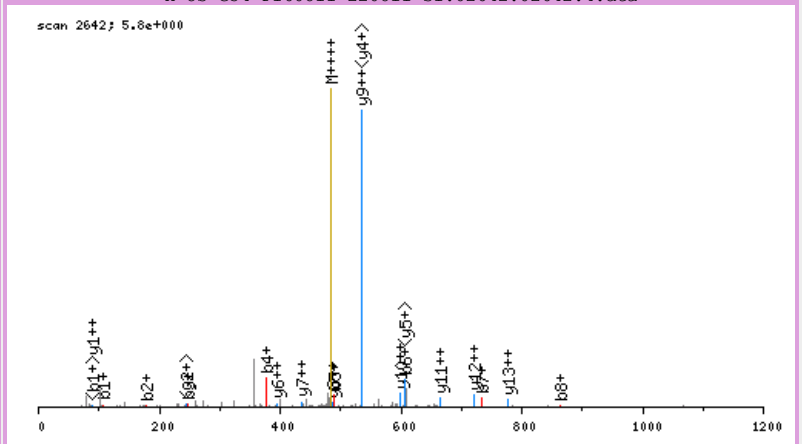
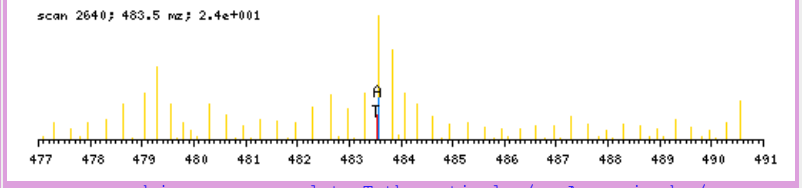
X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAAEIDEEPVSKAKQSR, MH+ 1931.1298, m/z 483.5379
H OS G34 P160811 220811-s1.02642.02642.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



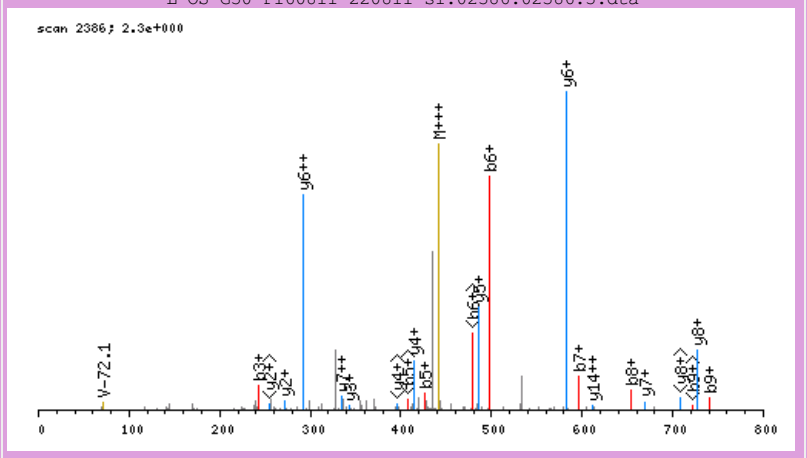
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
177.1451	2	A	16	1826.0296	913.5187
248.1822	3	A	15	1754.9925	878.0002
377.2248	4	E	14	1683.9554	842.4816
490.3089	5	I	13	1554.9128	777.9603
605.3358	6	D	12	1441.8288	721.4183
734.3784	7	E	11	1326.8018	663.9048
863.4210	8	E	10	1197.7592	599.3835
960.4738	9	P	9	1068.7166	534.8622
1059.5422	10	V	8	971.6639	486.3358
1146.5742	11	S	7	872.5954	436.8016
1308.7323	12	K	6	785.5634	393.2856
1379.7694	13	A	5	623.4053	312.2066
1541.9275	14	K	4	552.3682	276.6880
1669.9861	15	Q	3	390.2101	195.6090
1757.0182	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

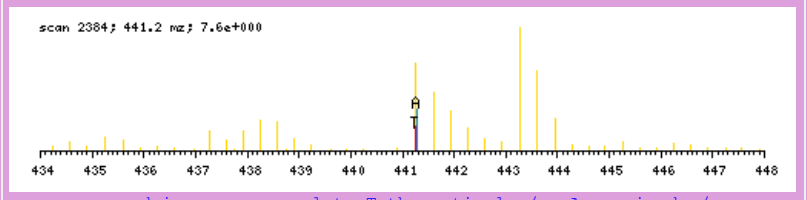
N-term:+35.07 K(12):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAAPSAVGSPAAAPR, MH+ 1321.7228, m/z 441.2458
L OS G30 P160811 220811-s1.02386.02386.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



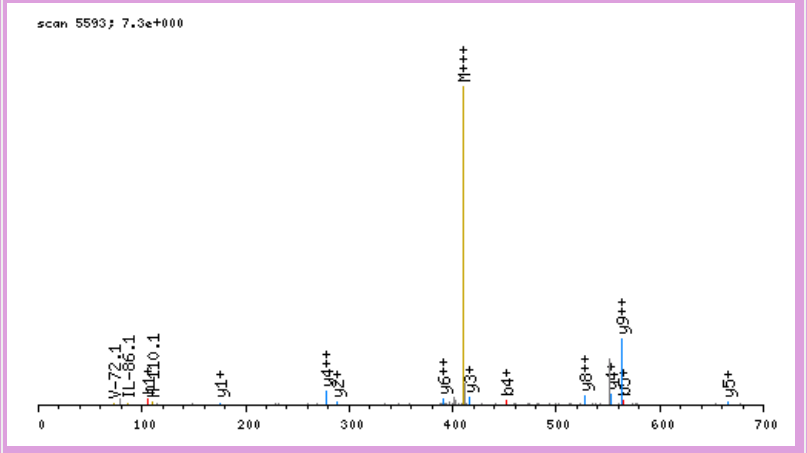
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
171.1133	2	A	14	1222.6544	**611.8311**
242.1504	3	A	13	1151.6173	576.3126
339.2032	4	P	12	1080.5802	540.7940
426.2352	5	S	11	983.5274	492.2676
497.2723	6	A	10	896.4954	448.7516
596.3408	7	V	9	825.4583	413.2331
653.3622	8	G	8	**726.3899**	363.6988
740.3943	9	S	7	**669.3684**	**335.1881**
837.4470	10	P	6	**582.3364**	**291.6721**
908.4841	11	A	5	**485.2836**	243.1457
979.5212	12	A	4	**414.2465**	207.6272
1050.5584	13	A	3	**343.2094**	172.1086
1147.6111	14	P	2	**272.1723**	136.5900
	15	R	1	175.1195	88.0637

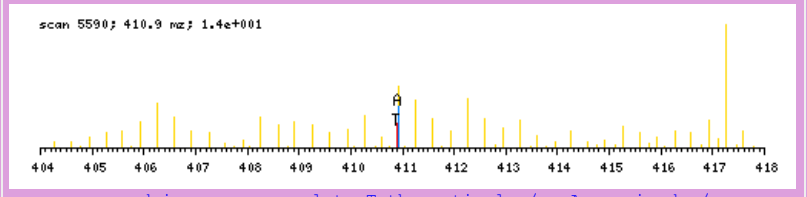
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AACDLLHQLR, MH+ 1230.6840, m/z 410.8995
H OS G34 P160811 220811-s1.05593.05593.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



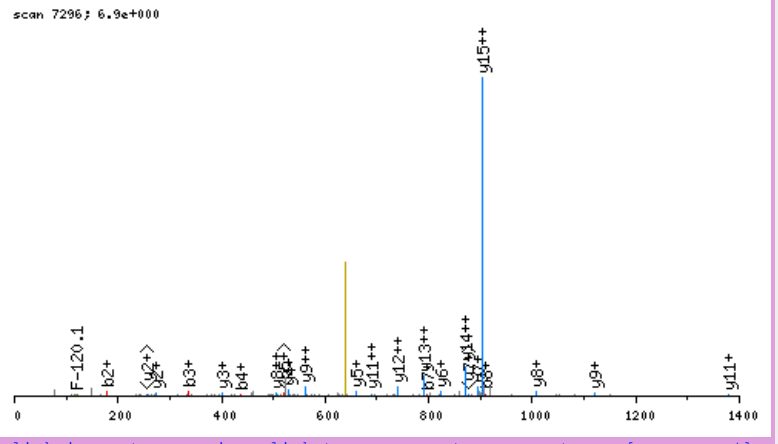
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
177.1451	2	A	9	1125.5838	563.2958
337.1757	3	C	8	1054.5467	527.7773
452.2027	4	D	7	894.5161	447.7620
565.2867	5	L	6	779.4892	390.2485
678.3708	6	L	5	666.4051	333.7065
815.4297	7	H	4	553.3211	277.1644
943.4883	8	Q	3	416.2621	208.6350
1056.5724	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

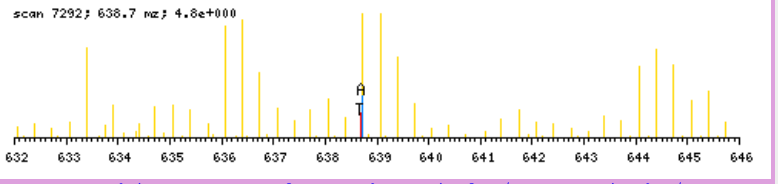
N-term:+35.07 C(3):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AACTVEEILAKMEQPR, MH+ 1914.0464, m/z 638.6870
H OS G33 P160811 220811-s1.07296.07296.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



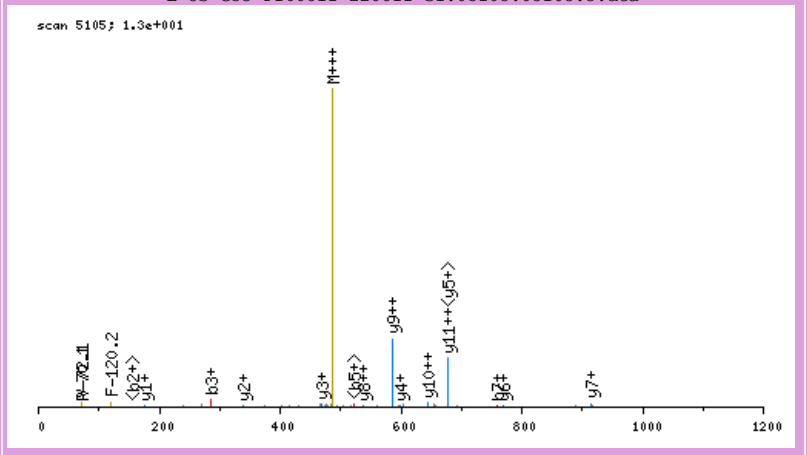
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
177.1451	2	A	15	1808.9463	**904.9770**
337.1757	3	C	14	1737.9091	**869.4585**
438.2234	4	T	13	1577.8785	**789.4432**
537.2918	5	V	12	1476.8309	**738.9193**
666.3344	6	E	11	**1377.7624**	**689.3851**
795.3770	7	E	10	1248.7199	624.8638
908.4611	8	I	9	**1119.6773**	**560.3425**
1021.5451	9	L	8	**1006.5932**	**503.8005**
1092.5822	10	A	7	**893.5091**	447.2585
1254.7403	11	K	6	**822.4720**	411.7399
1385.7808	12	M	5	**660.3139**	330.6609
1514.8234	13	E	4	**529.2734**	265.1406
1642.8820	14	Q	3	**400.2308**	200.6193
1739.9348	15	P	2	**272.1723**	136.5900
	16	R	1	175.1195	88.0637

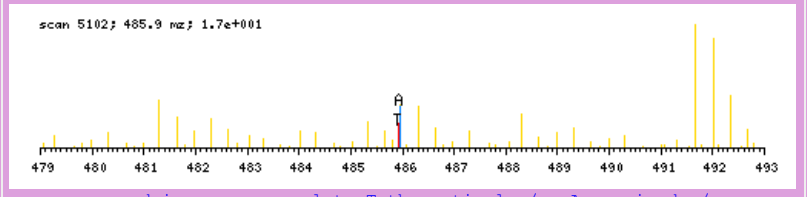
N-term:+35.07 C(3):+160.03
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AADVKFAVEMYR, MH+ 1455.7670, m/z 485.9272
L OS G33 P160811 220811-s1.05105.05105.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



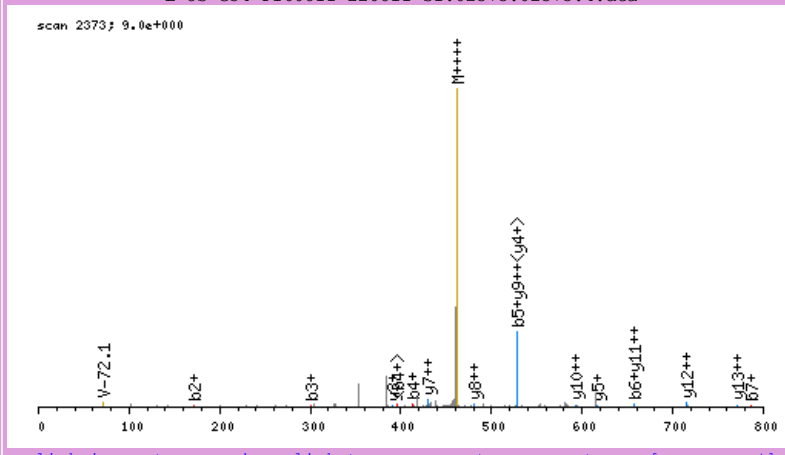
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
171.1133	2	A	11	1356.6986	**678.8532**
286.1403	3	D	10	1285.6615	**643.3347**
385.2087	4	V	9	1170.6346	**585.8212**
541.3350	5	K	8	1071.5661	**536.2870**
688.4034	6	F	7	**915.4398**	458.2238
759.4405	7	A	6	**768.3714**	384.6896
858.5089	8	V	5	697.3343	349.1711
987.5515	9	E	4	**598.2659**	299.6369
1118.5920	10	M	3	**469.2233**	235.1156
1281.6553	11	Y	2	**338.1828**	169.5953
	12	R	1	**175.1195**	88.0637

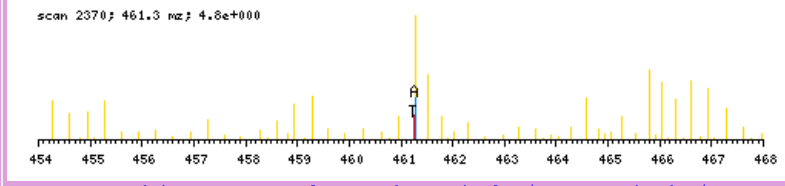
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ] [2+] [3+]
b [✓] [2+] [3+]
c [ ] [2+] [3+]
x [ ] [2+] [3+]
y [✓] [✓2+] [3+]
z [ ] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AAEIDEEPVSKAKQSR, MH+ 1841.9973, m/z 461.2548
L OS G34 P160811 220811-s1.02373.02373.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



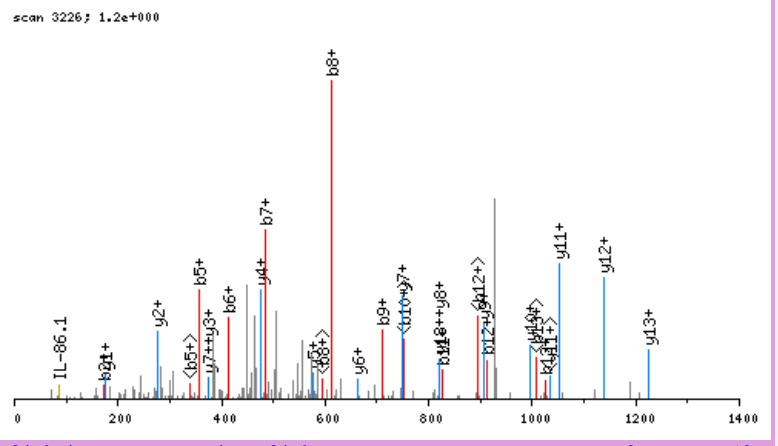
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
171.1133	2	A	15	1742.9289	871.9684
300.1559	3	E	14	1671.8918	836.4498
413.2400	4	I	13	1542.8492	**771.9285**
528.2669	5	D	12	1429.7652	**715.3865**
657.3095	6	E	11	1314.7382	**657.8730**
786.3521	7	E	10	1185.6956	**593.3517**
883.4049	8	P	9	1056.6530	**528.8304**
982.4733	9	V	8	959.6003	**480.3040**
1069.5053	10	S	7	860.5318	**430.7698**
1225.6316	11	K	6	773.4998	387.2538
1296.6687	12	A	5	**617.3735**	309.1907
1452.7950	13	K	4	546.3364	273.6721
1580.8536	14	Q	3	**390.2101**	195.6090
1667.8856	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

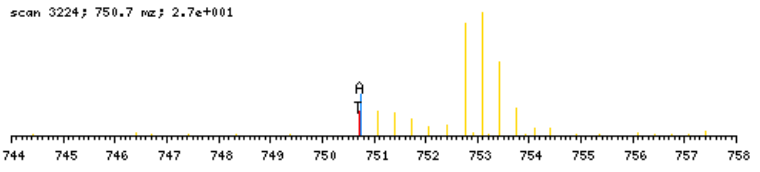
N-term:+29.04 K(11):+156.13
K(13):+156.13

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AAGGAGAQVGGSISSGSSASSVTVTR, MH+ 2250.1326, m/z 750.7157
L OS G30 P160811 220811-s1.03226.03226.3.dta



click image to zoom in; click top corners to zoom out [precursor+]



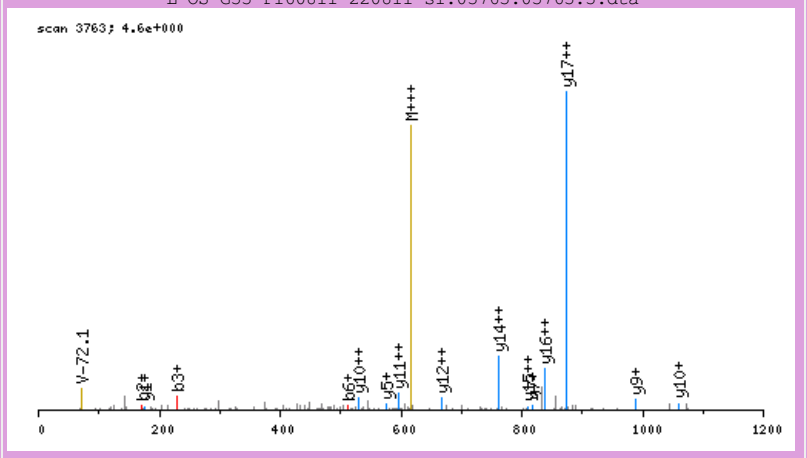
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	26		
171.1133	2	A	25	2151.0642	1076.0360
228.1348	3	G	24	2080.0271	1040.5174
285.1563	4	G	23	2023.0056	1012.0067
356.1934	5	A	22	1965.9841	983.4960
413.2148	6	G	21	1894.9470	947.9774
484.2519	7	A	20	1837.9256	919.4667
612.3105	8	Q	19	1766.8884	883.9481
711.3789	9	V	18	1638.8299	819.9188
768.4004	10	G	17	1539.7615	770.3846
825.4219	11	G	16	1482.7400	741.8739
912.4539	12	S	15	1425.7185	713.3632
1025.5380	13	I	14	1338.6865	669.8472
1112.5700	14	S	13	1225.6024	613.3051
1199.6020	15	S	12	1138.5704	569.7891
1256.6235	16	G	11	1051.5384	526.2731
1343.6555	17	S	10	994.5169	497.7624
1430.6875	18	S	9	907.4849	454.2464
1501.7246	19	A	8	820.4529	410.7303
1588.7567	20	S	7	749.4157	375.2118
1675.7887	21	S	6	662.3837	331.6958
1774.8571	22	V	5	575.3517	288.1798
1875.9048	23	T	4	476.2833	238.6455
1974.9732	24	V	3	375.2356	188.1217
2076.0209	25	T	2	276.1672	138.5875
	26	R	1	175.1195	88.0637

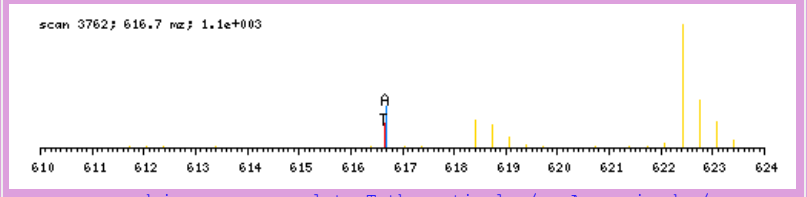
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAGVGEFEAGISKNGQTR, MH+ 1847.9616, m/z 616.6587
L OS G33 P160811 220811-s1.03763.03763.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



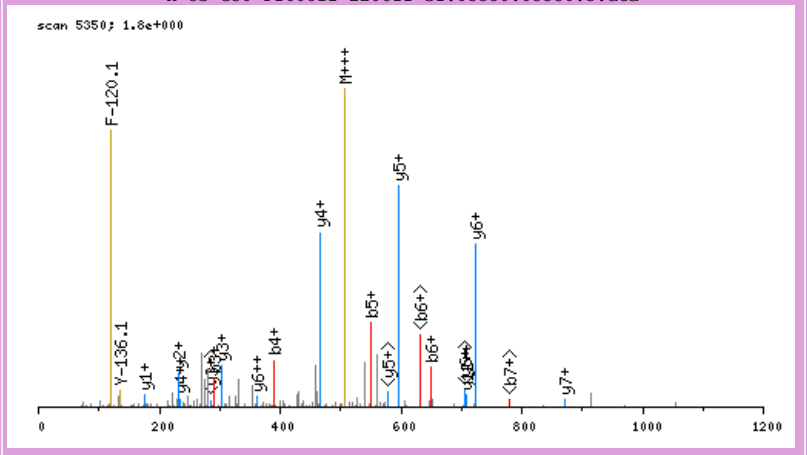
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
171.1133	2	A	17	1748.8932	**874.9505**
228.1348	3	G	16	1677.8561	**839.4319**
327.2032	4	V	15	1620.8346	**810.9212**
384.2247	5	G	14	1521.7662	**761.3870**
513.2673	6	E	13	1464.7447	732.8763
660.3357	7	F	12	1335.7021	**668.3550**
789.3783	8	E	11	1188.6337	**594.8208**
860.4154	9	A	10	**1059.5911**	**530.2995**
917.4368	10	G	9	**988.5540**	494.7809
1030.5209	11	I	8	931.5325	466.2702
1117.5529	12	S	7	**818.4485**	409.7282
1273.6792	13	K	6	731.4164	366.2121
1387.7222	14	N	5	**575.2901**	288.1490
1444.7436	15	G	4	461.2472	231.1275
1572.8022	16	Q	3	404.2258	202.6168
1673.8499	17	T	2	276.1672	138.5875
	18	R	1	**175.1195**	88.0637

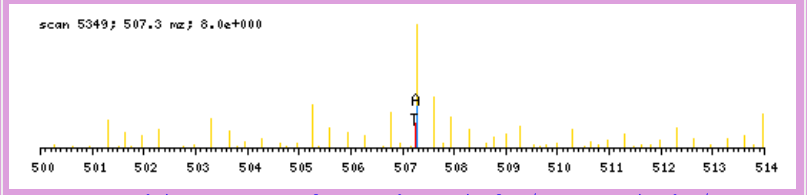
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAIVCTFQEYAGR, MH+ 1519.7791, m/z 507.2645
H OS G30 P160811 220811-s1.05350.05350.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



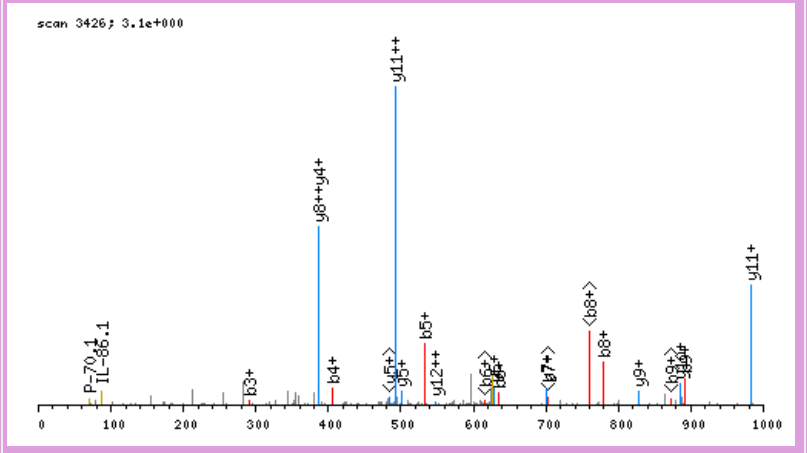
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
177.1451	2	A	12	1414.6789	**707.8433**
290.2292	3	I	11	1343.6417	672.3248
389.2976	4	V	10	1230.5577	615.7828
549.3282	5	C	9	1131.4893	566.2485
650.3759	6	T	8	971.4587	486.2332
797.4443	7	F	7	**870.4110**	435.7094
925.5029	8	Q	6	**723.3426**	**362.1752**
1054.5455	9	E	5	**595.2840**	298.1459
1217.6088	10	Y	4	**466.2414**	**233.6246**
1288.6459	11	A	3	**303.1781**	152.0930
1345.6674	12	G	2	**232.1410**	116.5744
	13	R	1	**175.1195**	88.0637

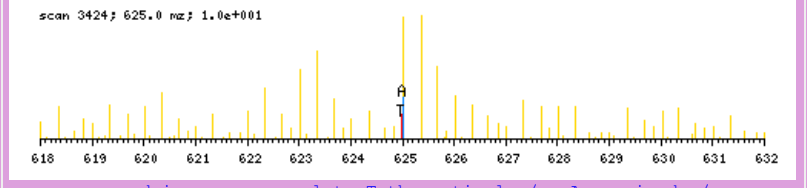
N-term:+35.07 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AALDQTSGLPGGAAQDPGGR, MH+ 1872.9628, m/z 624.9924
H OS G30 P160811 220811-s1.03426.03426.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



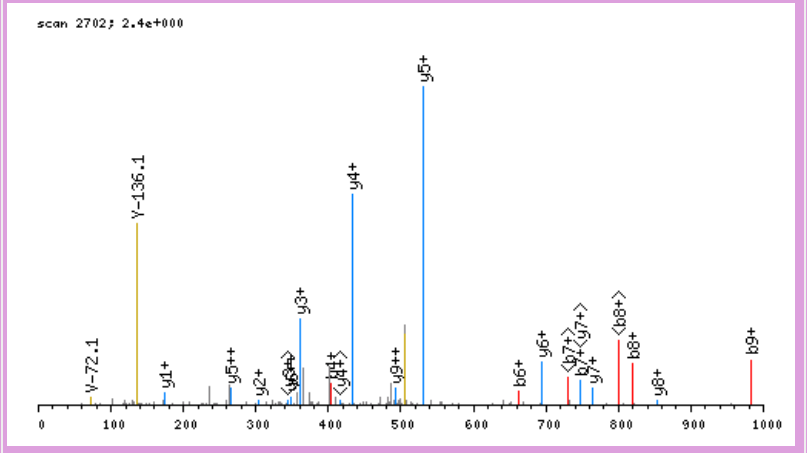
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
177.1451	2	A	19	1767.8626	884.4352
290.2292	3	L	18	1696.8255	848.9166
405.2561	4	D	17	1583.7414	792.3746
533.3147	5	Q	16	1468.7144	734.8611
634.3624	6	T	15	1340.6559	670.8318
721.3944	7	S	14	1239.6082	620.3080
778.4159	8	G	13	1152.5762	576.7920
891.4999	9	L	12	1095.5547	**548.2813**
988.5527	10	P	11	**982.4706**	**491.7392**
1045.5742	11	G	10	**885.4179**	443.2128
1102.5956	12	G	9	**828.3964**	414.7021
1173.6328	13	A	8	771.3749	**386.1914**
1244.6699	14	A	7	**700.3378**	350.6728
1372.7284	15	Q	6	**629.3007**	315.1543
1487.7554	16	D	5	**501.2421**	251.1250
1584.8082	17	P	4	**386.2152**	193.6115
1641.8296	18	G	3	289.1624	145.0851
1698.8511	19	G	2	232.1410	116.5744
	20	R	1	175.1195	88.0637

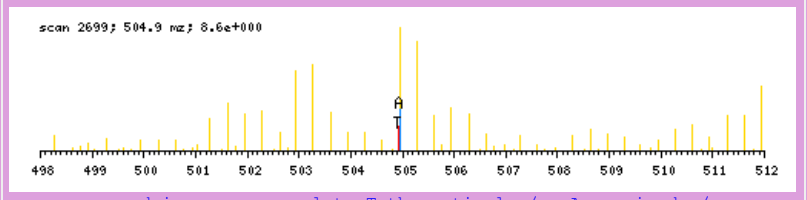
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAPEEESAYVAGER, MH+ 1512.7394, m/z 504.9180
H OS G30 P160811 220811-s1.02702.02702.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



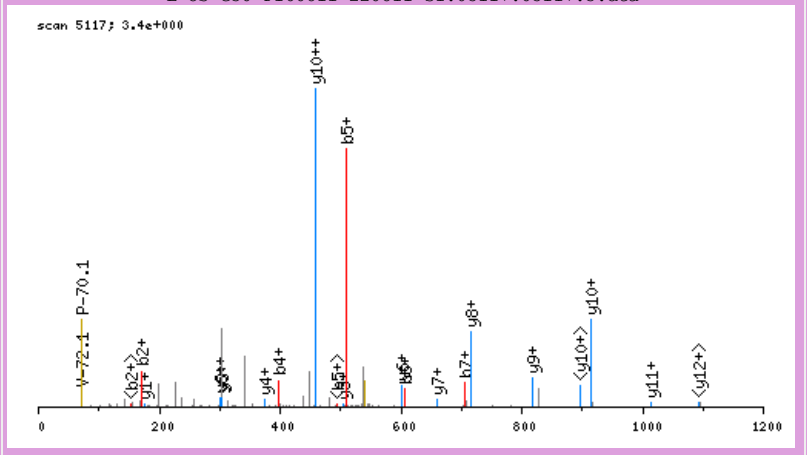
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
177.1451	2	A	13	1407.6392	704.3235
274.1979	3	P	12	1336.6021	668.8050
403.2405	4	E	11	1239.5493	620.2786
532.2831	5	E	10	1110.5067	555.7573
661.3257	6	E	9	981.4641	**491.2360**
748.3577	7	S	8	**852.4216**	426.7147
819.3948	8	A	7	**765.3895**	383.1987
982.4581	9	Y	6	**694.3524**	**347.6801**
1081.5266	10	V	5	**531.2891**	**266.1485**
1152.5637	11	A	4	**432.2207**	216.6142
1209.5851	12	G	3	**361.1836**	181.0957
1338.6277	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

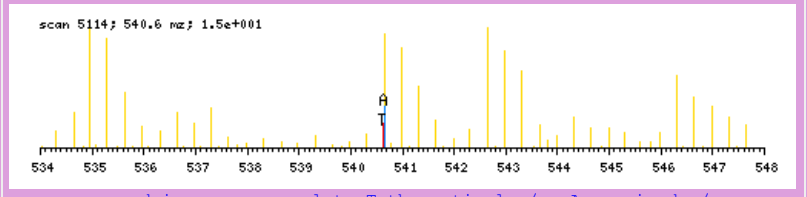
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAPELPVPTGGPMAGAR, MH+ 1619.8579, m/z 540.6242
L OS G30 P160811 220811-s1.05117.05117.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



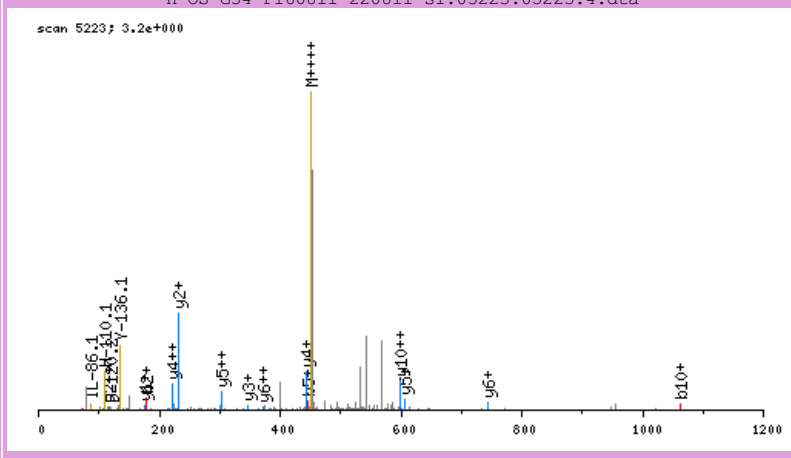
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
171.1133	2	A	16	1520.7895	760.8987
268.1661	3	P	15	1449.7524	725.3801
397.2087	4	E	14	1352.6996	676.8537
510.2927	5	L	13	1223.6571	612.3324
607.3455	6	P	12	1110.5730	555.7904
706.4139	7	V	11	**1013.5202**	507.2640
803.4667	8	P	10	**914.4518**	**457.7298**
904.5144	9	T	9	**817.3990**	409.2034
961.5358	10	G	8	**716.3514**	358.6796
1018.5573	11	G	7	**659.3299**	330.1689
1115.6101	12	P	6	**602.3084**	**301.6581**
1246.6505	13	M	5	**505.2557**	253.1318
1317.6877	14	A	4	**374.2152**	187.6115
1374.7091	15	G	3	**303.1781**	152.0930
1445.7462	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

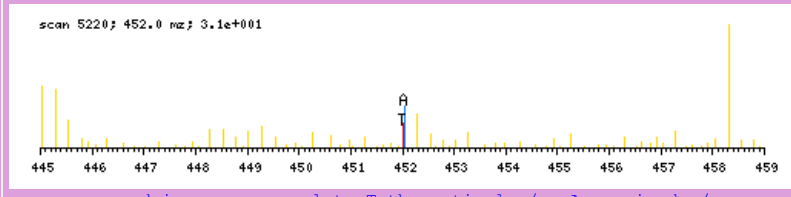
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAPGDKNLLLHYPDGR, MH+ 1805.0346, m/z 452.0141
H OS G34 P160811 220811-s1.05223.05223.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



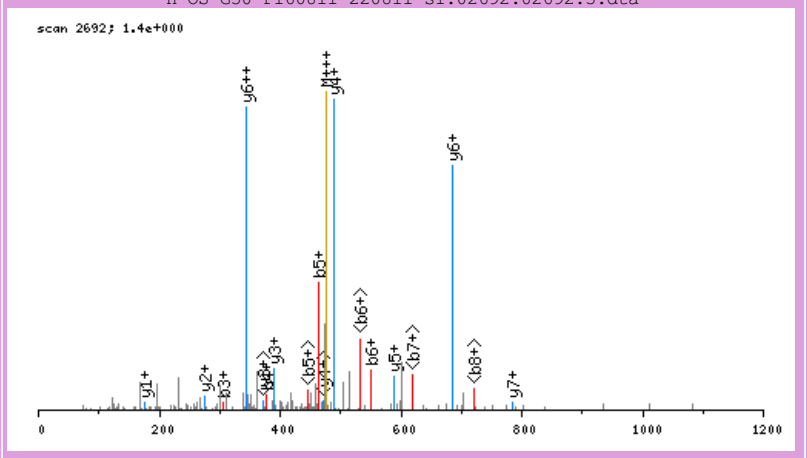
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
177.1451	2	A	15	1699.9344	850.4711
274.1979	3	P	14	1628.8973	814.9526
331.2194	4	G	13	1531.8445	766.4262
446.2463	5	D	12	1474.8231	737.9154
608.4044	6	K	11	1359.7961	680.4020
722.4473	7	N	10	1197.6380	**599.3229**
835.5314	8	L	9	1083.5951	542.3015
948.6155	9	L	8	970.5110	485.7594
1061.6995	10	L	7	857.4270	429.2174
1198.7584	11	H	6	**744.3429**	**372.6754**
1361.8218	12	Y	5	**607.2840**	**304.1459**
1458.8745	13	P	4	**444.2207**	**222.6142**
1573.9015	14	D	3	**347.1679**	174.0879
1630.9229	15	G	2	**232.1410**	**116.5744**
	16	R	1	**175.1195**	88.0637

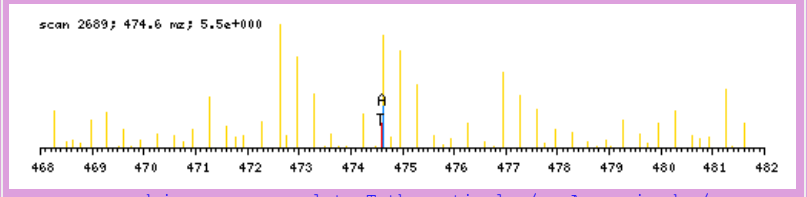
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAQASSSTPVVITR, MH+ 1421.8176, m/z 474.6107
H OS G30 P160811 220811-s1.02692.02692.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



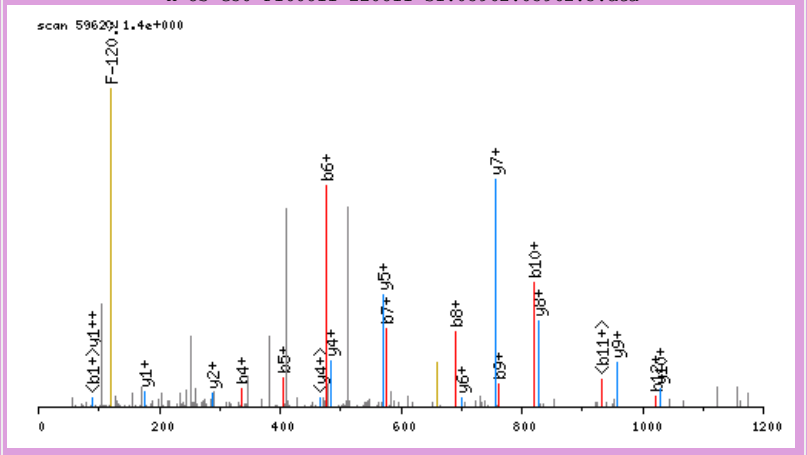
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
177.1451	2	A	13	1316.7174	658.8626
305.2037	3	Q	12	1245.6803	623.3441
376.2408	4	A	11	1117.6217	559.3148
463.2728	5	S	10	1046.5846	523.7962
550.3049	6	S	9	959.5526	480.2802
637.3369	7	S	8	872.5205	436.7642
738.3846	8	T	7	**785.4885**	393.2482
835.4373	9	P	6	**684.4408**	**342.7243**
934.5058	10	V	5	**587.3881**	294.1979
1033.5742	11	V	4	**488.3197**	244.6637
1146.6582	12	I	3	**389.2512**	195.1295
1247.7059	13	T	2	**276.1672**	138.5875
	14	R	1	**175.1195**	88.0637

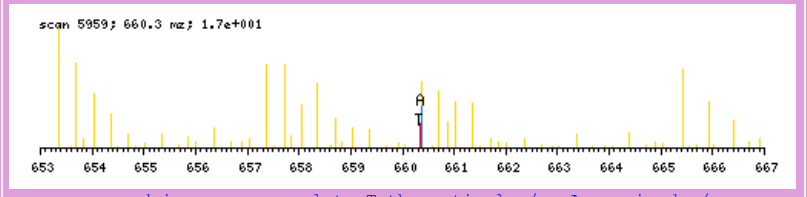
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AASAAAVDAGMAMAGQSPVLR, MH+ 1979.0266, m/z 660.3471
H OS G30 P160811 220811-s1.05962.05962.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



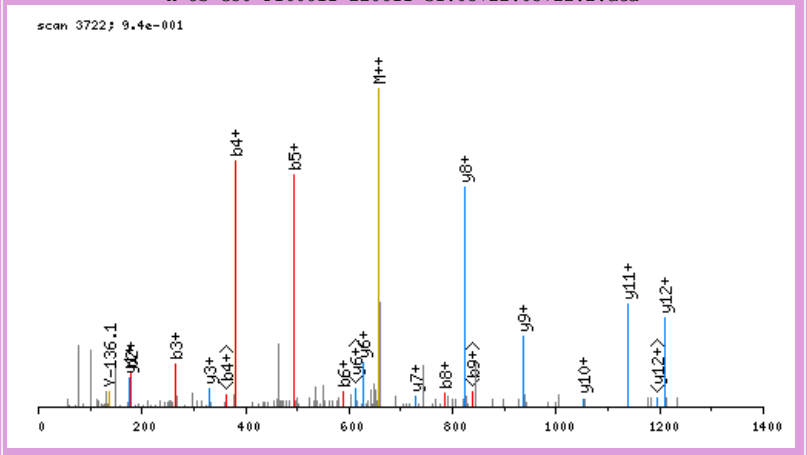
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	21		
177.1451	2	A	20	1873.9264	937.4671
264.1772	3	S	19	1802.8893	901.9486
335.2143	4	A	18	1715.8573	858.4326
406.2514	5	A	17	1644.8202	822.9140
477.2885	6	A	16	1573.7831	787.3954
576.3569	7	V	15	1502.7459	751.8769
691.3839	8	D	14	1403.6775	702.3427
762.4210	9	A	13	1288.6506	644.8292
819.4424	10	G	12	1217.6135	609.3106
950.4829	11	M	11	1160.5920	580.7999
1021.5200	12	A	10	**1029.5515**	515.2797
1152.5605	13	M	9	**958.5144**	479.7611
1223.5976	14	A	8	**827.4739**	414.2409
1280.6191	15	G	7	**756.4368**	378.7223
1408.6777	16	Q	6	**699.4153**	350.2116
1495.7097	17	S	5	**571.3568**	286.1823
1592.7625	18	P	4	**484.3247**	242.6663
1691.8309	19	V	3	387.2720	194.1399
1804.9149	20	L	2	**288.2036**	144.6057
	21	R	1	**175.1195**	**88.0637**

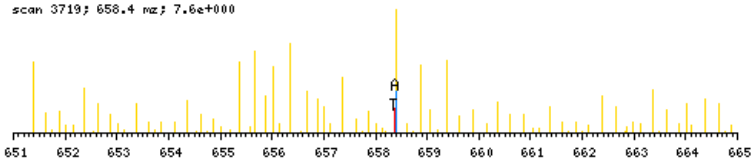
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AASDLPVPAEGVR, MH+ 1315.7434, m/z 658.3753
H OS G30 P160811 220811-s1.03722.03722.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



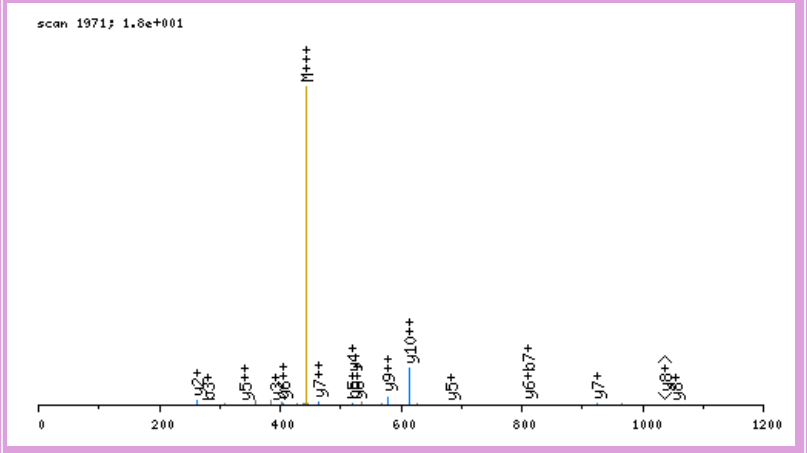
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
177.1451	2	A	12	1210.6432	605.8255
264.1772	3	S	11	1139.6061	570.3069
379.2041	4	D	10	1052.5740	526.7909
492.2882	5	L	9	937.5471	469.2775
589.3409	6	P	8	824.4630	412.7354
688.4093	7	V	7	727.4103	364.2090
785.4621	8	P	6	628.3418	314.6748
856.4992	9	A	5	531.2891	266.1485
985.5418	10	E	4	460.2520	230.6299
1042.5633	11	G	3	331.2094	166.1086
1141.6317	12	V	2	274.1879	137.5979
	13	R	1	175.1195	88.0637

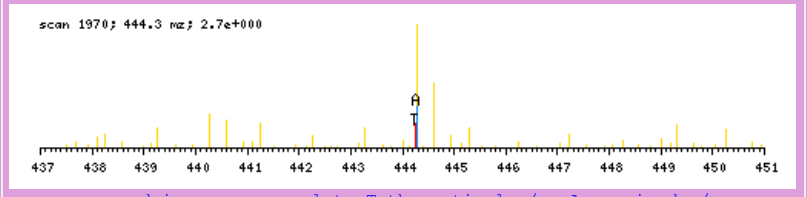
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AATELEKEESR, MH+ 1330.7490, m/z 444.2545
H OS G34 P160811 220811-s1.01971.01971.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



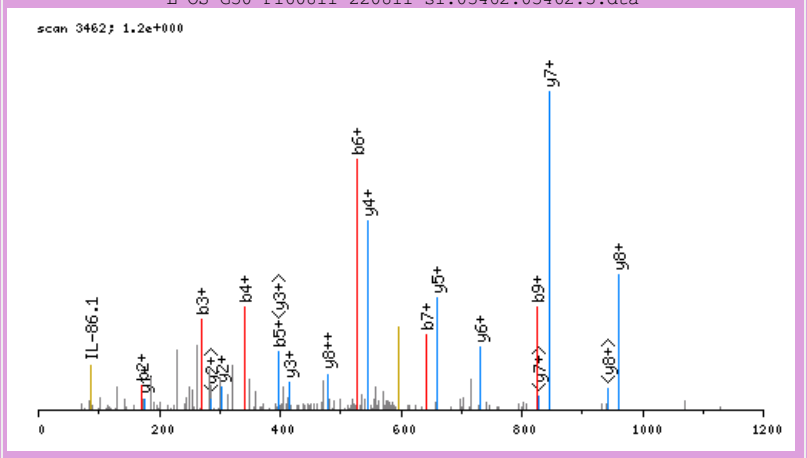
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
177.1451	2	A	10	1225.6489	613.3283
278.1928	3	T	9	1154.6117	577.8098
407.2354	4	E	8	1053.5641	527.2859
520.3195	5	L	7	924.5215	462.7646
649.3621	6	E	6	811.4374	406.2226
811.5202	7	K	5	682.3948	341.7013
940.5627	8	E	4	520.2367	260.6223
1069.6053	9	E	3	391.1941	196.1010
1156.6374	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

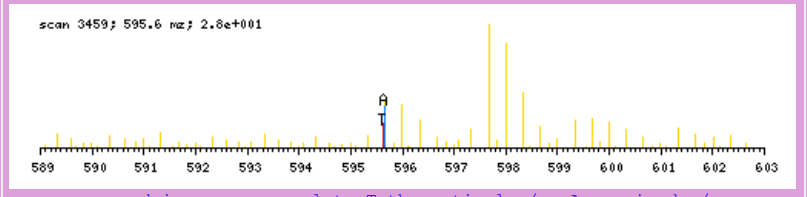
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AAVAGQDGQIDADELQR, MH+ 1784.8779, m/z 595.6308
L OS G30 P160811 220811-s1.03462.03462.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



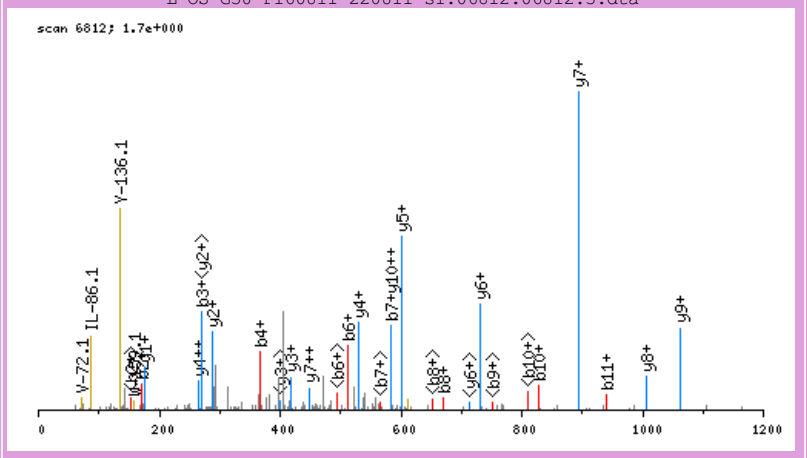
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
171.1133	2	A	16	1685.8095	843.4086
270.1817	3	V	15	1614.7724	807.8901
341.2189	4	A	14	1515.7039	758.3559
398.2403	5	G	13	1444.6668	722.8373
526.2989	6	Q	12	1387.6454	694.3266
641.3258	7	D	11	1259.5868	630.2973
698.3473	8	G	10	1144.5598	572.7838
826.4059	9	Q	9	1087.5384	544.2731
939.4899	10	I	8	959.4798	480.2438
1054.5169	11	D	7	846.3957	423.7018
1125.5540	12	A	6	731.3688	366.1883
1240.5809	13	D	5	660.3317	330.6698
1369.6235	14	E	4	545.3047	273.1563
1482.7076	15	L	3	416.2621	208.6350
1610.7662	16	Q	2	303.1781	152.0930
	17	R	1	175.1195	88.0637

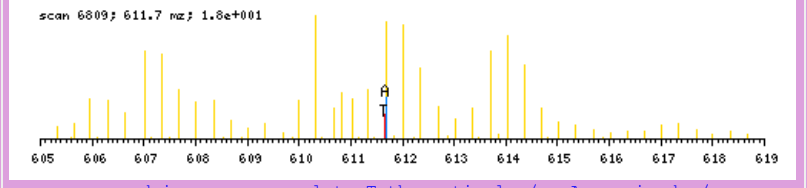
N-term:+29.04

AAVPSGASTGIYEALELR, MH+ 1832.9758, m/z 611.6634
L OS G30 P160811 220811-s1.06812.06812.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



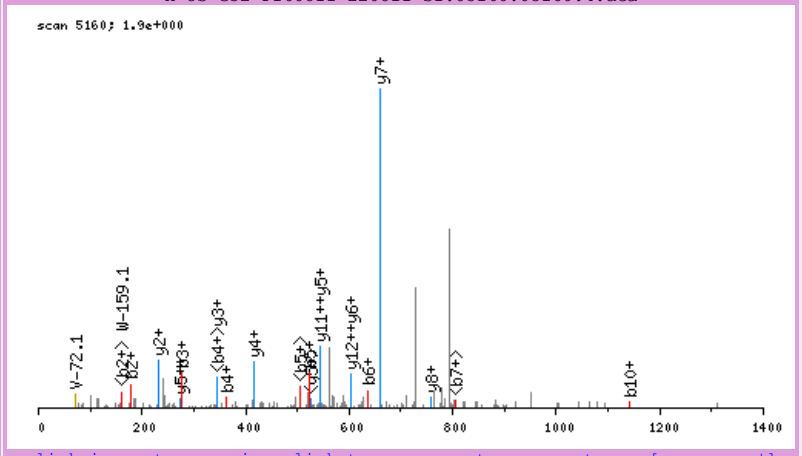
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
171.1133	2	A	17	1733.9074	867.4576
270.1817	3	V	16	1662.8703	831.9391
367.2345	4	P	15	1563.8019	782.4048
454.2665	5	S	14	1466.7491	733.8785
511.2880	6	G	13	1379.7171	690.3624
582.3251	7	A	12	1322.6956	661.8517
669.3571	8	S	11	1251.6585	626.3332
770.4048	9	T	10	1164.6265	**582.8171**
827.4263	10	G	9	**1063.5788**	532.2933
940.5103	11	I	8	**1006.5573**	503.7826
1103.5737	12	Y	7	**893.4733**	**447.2405**
1232.6163	13	E	6	**730.4099**	365.7089
1303.6534	14	A	5	**601.3673**	301.1876
1416.7374	15	L	4	**530.3302**	**265.6690**
1545.7800	16	E	3	**417.2462**	209.1270
1658.8641	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

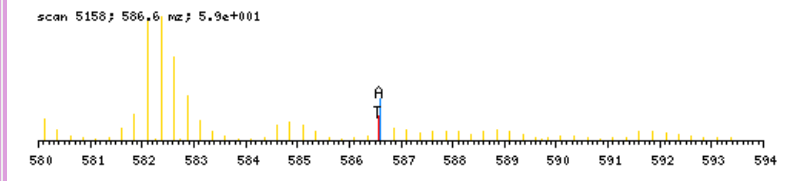
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAVSCLWGKVNSDEVGGEALGR, MH+ 2343.2403, m/z 586.5655
H OS G32 P160811 220811-s1.05160.05160.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



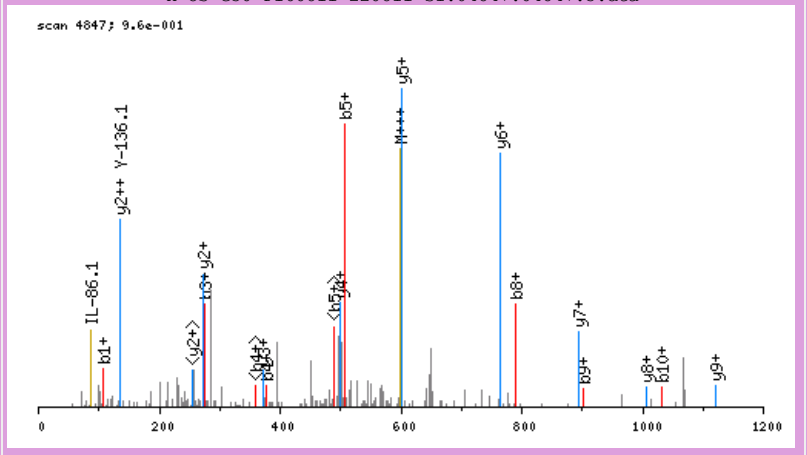
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	22		
177.1451	2	A	21	2238.1401	1119.5740
276.2135	3	V	20	2167.1030	1084.0554
363.2456	4	S	19	2068.0346	1034.5212
523.2762	5	C	18	1981.0025	991.0052
636.3602	6	L	17	1820.9719	910.9899
822.4395	7	W	16	1707.8879	854.4478
879.4610	8	G	15	1521.8085	761.4082
1041.6191	9	K	14	1464.7871	732.8975
1140.6875	10	V	13	1302.6290	651.8184
1254.7305	11	N	12	1203.5606	**602.2842**
1341.7625	12	S	11	1089.5176	**545.2627**
1456.7894	13	D	10	1002.4856	501.7467
1585.8320	14	E	9	887.4587	444.2332
1684.9004	15	V	8	**758.4161**	379.7120
1741.9219	16	G	7	**659.3477**	330.1777
1798.9434	17	G	6	**602.3262**	301.6670
1927.9860	18	E	5	**545.3047**	**273.1563**
1999.0231	19	A	4	**416.2621**	208.6350
2112.1071	20	L	3	**345.2250**	173.1164
2169.1286	21	G	2	**232.1410**	116.5744
	22	R	1	175.1195	88.0637

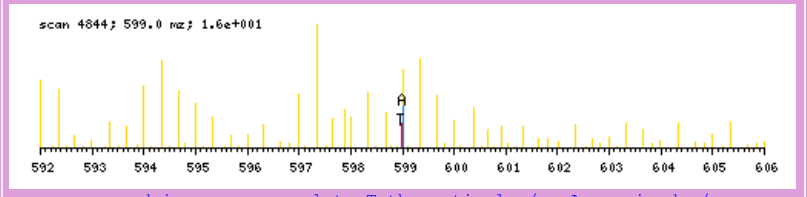
N-term:+35.07 C(5):+160.03
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAVTEPADLEYTEVPR, MH+ 1794.9337, m/z 598.9828
H OS G30 P160811 220811-s1.04847.04847.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



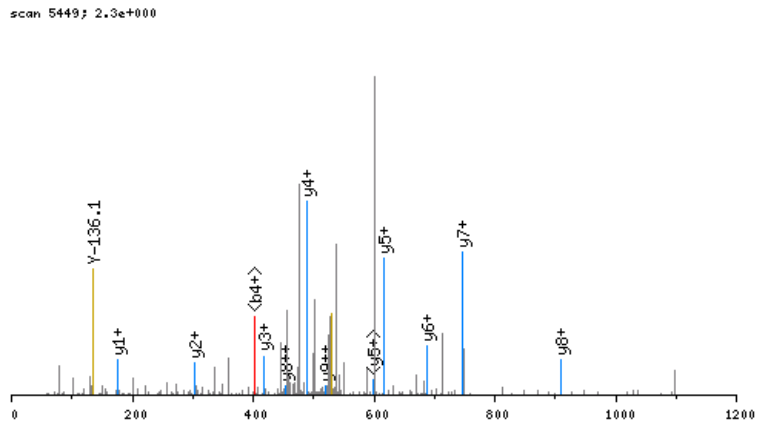
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
177.1451	2	A	15	1689.8336	845.4207
276.2135	3	V	14	1618.7964	809.9021
377.2612	4	T	13	1519.7280	760.3679
506.3038	5	E	12	1418.6803	709.8441
603.3566	6	P	11	1289.6378	645.3228
674.3937	7	A	10	1192.5850	596.7964
789.4206	8	D	9	1121.5479	561.2779
902.5047	9	L	8	1006.5209	503.7644
1031.5473	10	E	7	893.4369	447.2223
1194.6106	11	Y	6	764.3943	382.7011
1295.6583	12	T	5	601.3310	301.1694
1424.7009	13	E	4	500.2833	250.6455
1523.7693	14	V	3	371.2407	186.1243
1620.8221	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

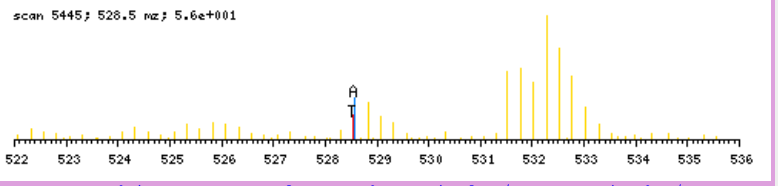
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAWGKIGGHGAEYGAEALER, MH+ 2111.1310, m/z 528.5382
H OS G34 P160811 220811-s1.05449.05449.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



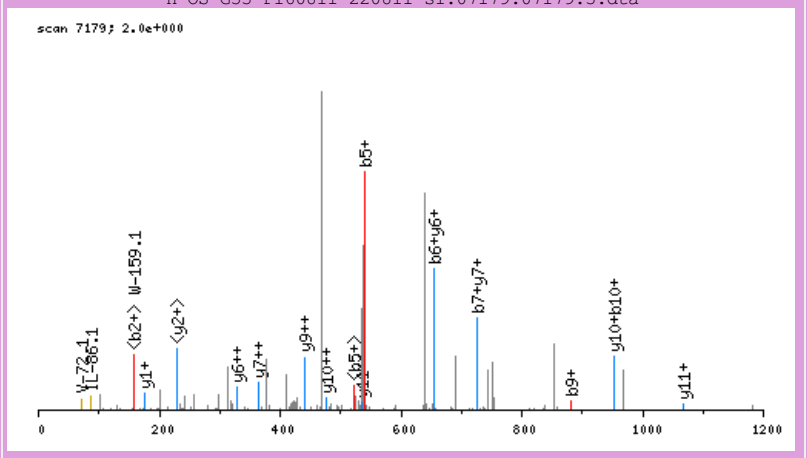
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
177.1451	2	A	19	2006.0308	1003.5193
363.2244	3	W	18	1934.9937	968.0008
420.2459	4	G	17	1748.9144	874.9611
582.4040	5	K	16	1691.8929	846.4504
695.4881	6	I	15	1529.7348	765.3713
752.5095	7	G	14	1416.6508	708.8293
809.5310	8	G	13	1359.6293	680.3186
946.5899	9	H	12	1302.6079	651.8078
1003.6114	10	G	11	1165.5489	583.2784
1074.6485	11	A	10	1108.5275	554.7677
1203.6911	12	E	9	1037.4904	**519.2491**
1366.7544	13	Y	8	**908.4478**	**454.7278**
1423.7759	14	G	7	**745.3844**	373.1961
1494.8130	15	A	6	**688.3630**	344.6854
1623.8556	16	E	5	**617.3259**	309.1668
1694.8927	17	A	4	**488.2833**	244.6455
1807.9768	18	L	3	**417.2462**	209.1270
1937.0193	19	E	2	**304.1621**	152.5850
	20	R	1	**175.1195**	88.0637

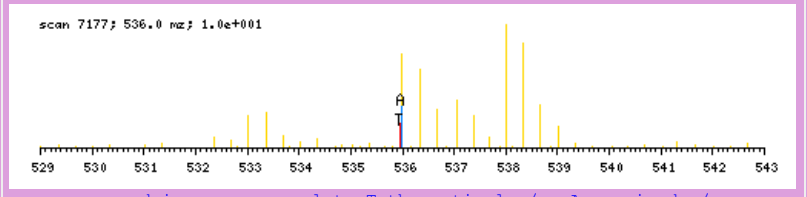
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AAYISNAVGAAYSSAR, MH+ 1605.8449, m/z 535.9531
H OS G33 P160811 220811-s1.07179.07179.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



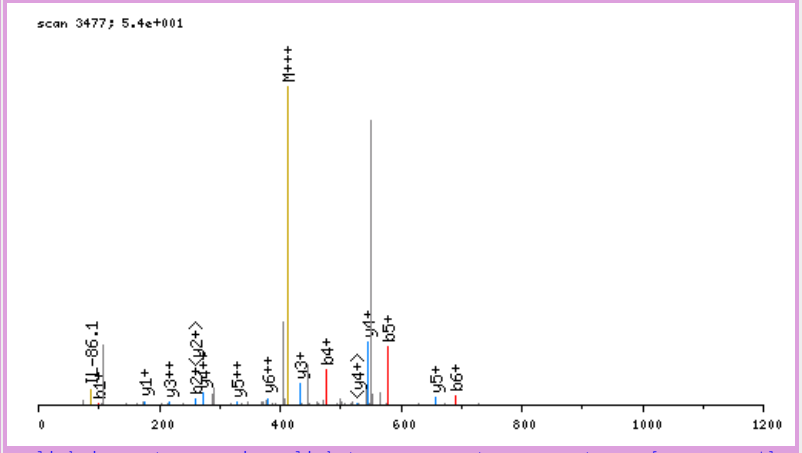
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
177.1451	2	A	15	1500.7447	750.8763
340.2085	3	Y	14	1429.7076	715.3577
453.2925	4	I	13	1266.6442	633.8260
540.3245	5	S	12	1153.5602	577.2840
654.3675	6	N	11	**1066.5281**	**533.7680**
725.4046	7	A	10	**952.4852**	**476.7465**
824.4730	8	V	9	881.4481	**441.2280**
881.4945	9	G	8	782.3797	391.6938
952.5316	10	A	7	**725.3582**	**363.1830**
1023.5687	11	A	6	**654.3211**	**327.6645**
1186.6320	12	Y	5	583.2840	292.1459
1273.6641	13	S	4	420.2207	210.6142
1360.6961	14	S	3	333.1886	167.0982
1431.7332	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

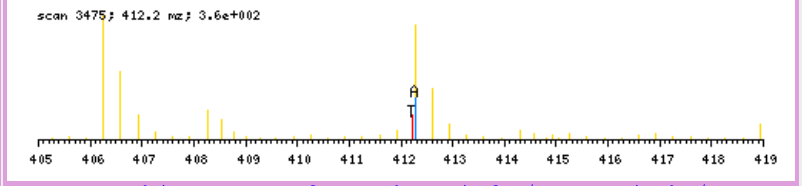
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ACDTTILKTR, MH+ 1234.6829, m/z 412.2325
L OS G34 P160811 220811-s1.03477.03477.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



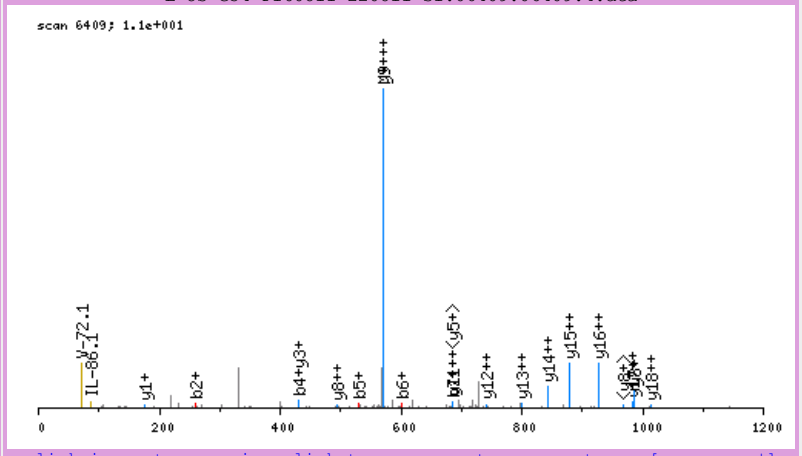
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	**1**	**A**	**10**		
260.1068	**2**	**C**	**9**	1135.6145	568.3112
375.1338	**3**	**D**	**8**	975.5839	488.2959
476.1814	**4**	**T**	**7**	860.5570	430.7824
577.2291	**5**	**T**	**6**	759.5093	**380.2586**
690.3132	**6**	**I**	**5**	**658.4616**	**329.7347**
803.3972	**7**	**L**	**4**	**545.3775**	**273.1927**
959.5235	**8**	**K**	**3**	**432.2935**	**216.6507**
1060.5712	**9**	**T**	**2**	276.1672	138.5875
	10	**R**	**1**	**175.1195**	88.0637

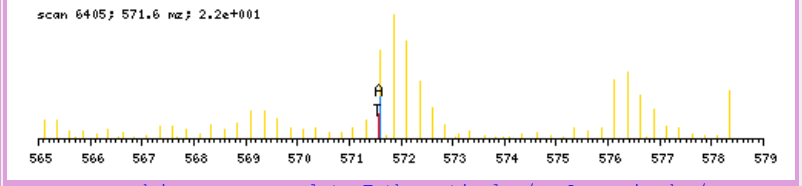
N-term:+29.04 C(2):+160.03
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ACGLVASNLNLKPGECLKVR, MH+ 2283.2681, m/z 571.5725
L OS G34 P160811 220811-s1.06409.06409.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



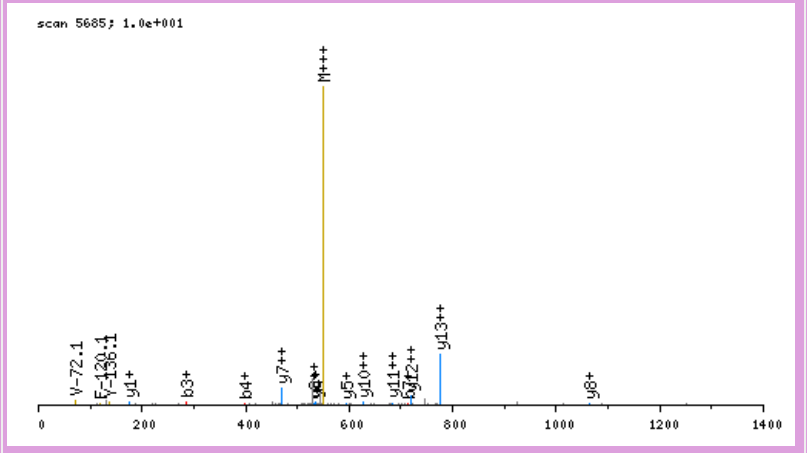
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
260.1068	2	C	19	2184.1997	1092.6037
317.1283	3	G	18	2024.1691	**1012.5884**
430.2123	4	L	17	1967.1476	**984.0777**
529.2808	5	V	16	1854.0635	**927.5357**
600.3179	6	A	15	1754.9951	**878.0015**
687.3499	7	S	14	1683.9580	**842.4829**
801.3928	8	N	13	1596.9260	**798.9669**
914.4769	9	L	12	1482.8831	**741.9454**
1028.5198	10	N	11	1369.7990	**685.4034**
1141.6039	11	L	10	1255.7561	628.3819
1297.7302	12	K	9	1142.6720	**571.8399**
1394.7829	13	P	8	**986.5457**	**493.7768**
1451.8044	14	G	7	889.4929	445.2504
1580.8470	15	E	6	832.4715	416.7396
1740.8776	16	C	5	703.4289	352.2184
1853.9617	17	L	4	543.3983	272.2031
2010.0880	18	K	3	**430.3142**	215.6610
2109.1564	19	V	2	274.1879	137.5979
	20	R	1	**175.1195**	88.0637

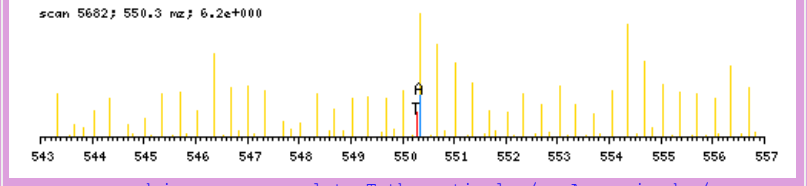
N-term:+29.04 C(2):+160.03
K(12):+156.13 C(16):+160.03
K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADALGEEWKGYVVR, MH+ 1648.8699, m/z 550.2948
L OS G33 P160811 220811-s1.05685.05685.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



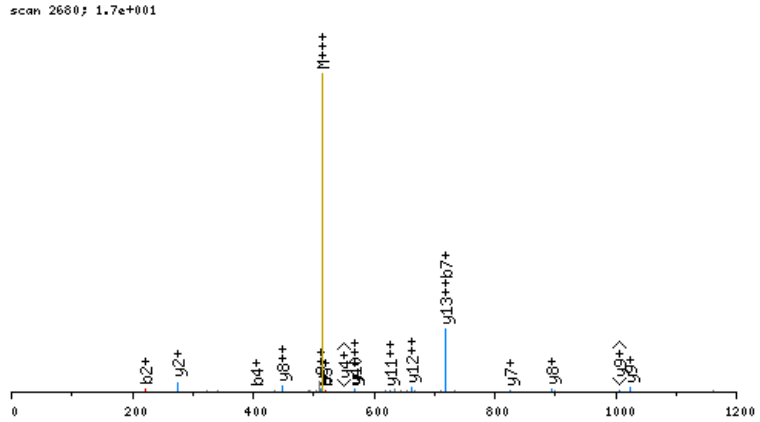
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
215.1032	2	D	13	1549.8015	**775.4047**
286.1403	3	A	12	1434.7746	**717.8912**
399.2243	4	L	11	1363.7374	**682.3726**
456.2458	5	G	10	1250.6534	**625.8306**
585.2884	6	E	9	1193.6319	597.3199
714.3310	7	E	8	**1064.5893**	**532.7986**
900.4103	8	W	7	935.5467	**468.2773**
1056.5366	9	K	6	749.4674	375.2376
1113.5581	10	G	5	**593.3411**	297.1745
1276.6214	11	Y	4	**536.3197**	268.6637
1375.6898	12	V	3	373.2563	187.1321
1474.7582	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

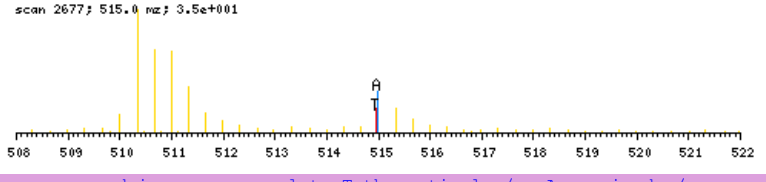
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADANLEAGSLKETR, MH+ 1542.8764, m/z 514.9636
H OS G33 P160811 220811-s1.02680.02680.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



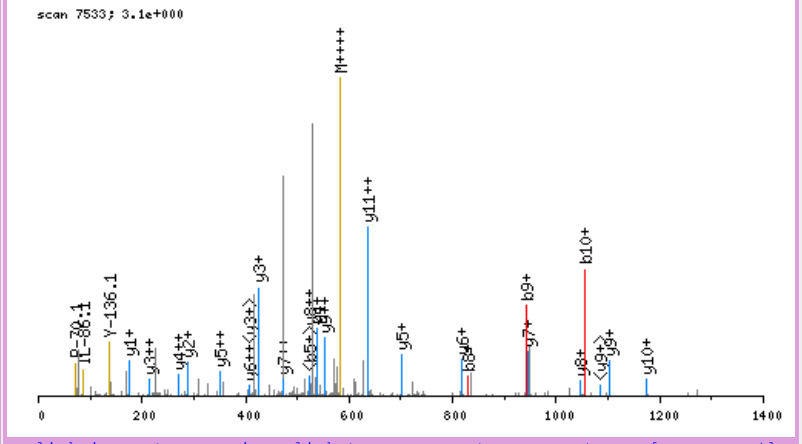
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
221.1350	2	D	13	1437.7762	**719.3920**
292.1721	3	A	12	1322.7492	**661.8785**
406.2150	4	N	11	1251.7121	**626.3600**
519.2991	5	L	10	1137.6692	**569.3385**
648.3417	6	E	9	**1024.5851**	**512.7965**
719.3788	7	A	8	**895.5425**	**448.2752**
776.4002	8	G	7	**824.5054**	412.7566
863.4323	9	S	6	767.4840	384.2459
976.5163	10	L	5	680.4519	340.7299
1138.6744	11	K	4	**567.3679**	284.1878
1267.7170	12	E	3	405.2098	203.1088
1368.7647	13	T	2	**276.1672**	138.5875
	14	R	1	175.1195	88.0637

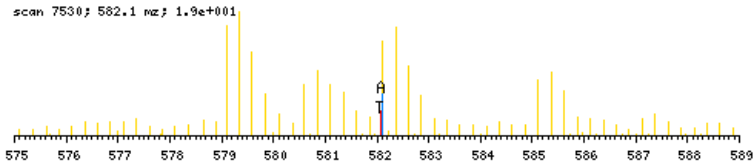
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ADASKGDDLLPAGTEDYIHIR, MH+ 2325.2363, m/z 582.0645
H OS G34 P160811 220811-s1.07533.07533.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



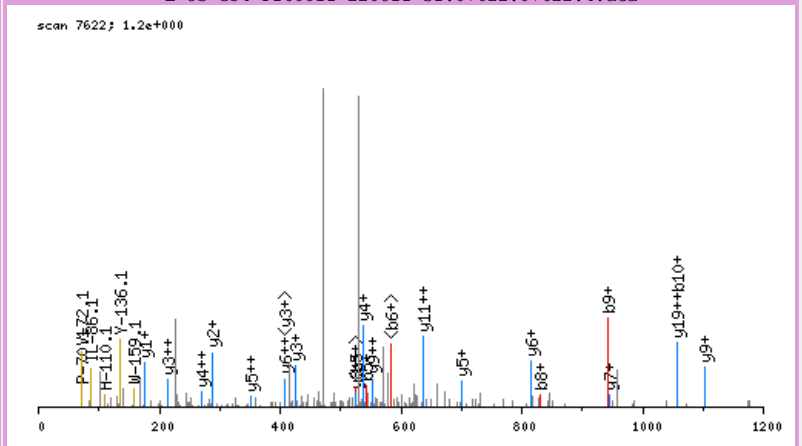
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	21		
221.1350	2	D	20	2220.1361	1110.5720
292.1721	3	A	19	2105.1091	1053.0585
379.2041	4	S	18	2034.0720	1017.5399
541.3622	5	K	17	1947.0400	974.0239
598.3837	6	G	16	1784.8819	892.9449
713.4106	7	D	15	1727.8604	864.4341
828.4375	8	D	14	1612.8335	806.9207
941.5216	9	L	13	1497.8066	749.4072
1054.6057	10	L	12	1384.7225	692.8652
1151.6584	11	P	11	1271.6384	**636.3231**
1222.6956	12	A	10	**1174.5857**	587.7967
1279.7170	13	G	9	**1103.5485**	**552.2782**
1380.7647	14	T	8	**1046.5271**	**523.7675**
1509.8073	15	E	7	**945.4794**	**473.2436**
1624.8342	16	D	6	**816.4368**	**408.7223**
1787.8976	17	Y	5	**701.4099**	**351.2088**
1900.9816	18	I	4	**538.3465**	**269.6772**
2038.0405	19	H	3	**425.2625**	**213.1352**
2151.1246	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

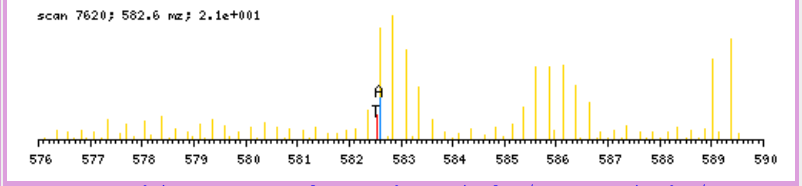
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ADATKGDDLLPAGTEDYIHIR, MH+ 2327.1883, m/z 582.5525
L OS G34 P160811 220811-s1.07622.07622.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



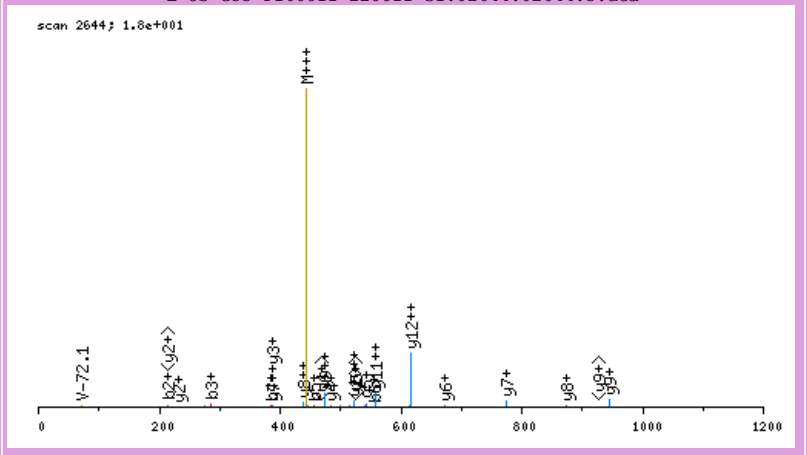
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
215.1032	2	D	20	2228.1199	1114.5639
286.1403	3	A	19	2113.0930	**1057.0504**
387.1879	4	T	18	2042.0559	1021.5319
543.3142	5	K	17	1941.0082	971.0080
600.3357	6	G	16	1784.8819	892.9449
715.3627	7	D	15	1727.8604	864.4341
830.3896	8	D	14	1612.8335	806.9207
943.4737	9	L	13	1497.8066	749.4072
1056.5577	10	L	12	1384.7225	692.8652
1153.6105	11	P	11	1271.6384	**636.3231**
1224.6476	12	A	10	1174.5857	587.7967
1281.6691	13	G	9	**1103.5485**	**552.2782**
1382.7167	14	T	8	1046.5271	**523.7675**
1511.7593	15	E	7	**945.4794**	473.2436
1626.7863	16	D	6	**816.4368**	**408.7223**
1789.8496	17	Y	5	**701.4099**	**351.2088**
1902.9337	18	I	4	**538.3465**	**269.6772**
2039.9926	19	H	3	**425.2625**	**213.1352**
2153.0767	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

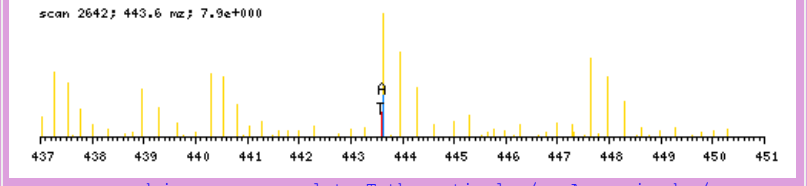
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADAVAVTMGPKGR, MH+ 1328.7360, m/z 443.5835
L OS G33 P160811 220811-s1.02644.02644.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



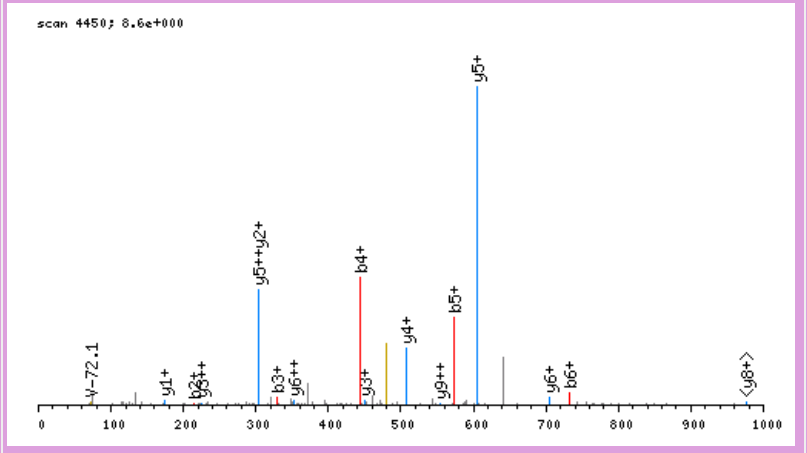
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
215.1032	2	D	12	1229.6677	615.3377
286.1403	3	A	11	1114.6407	557.8243
385.2087	4	V	10	1043.6036	522.3057
456.2458	5	A	9	944.5352	472.7715
555.3142	6	V	8	873.4981	437.2529
656.3619	7	T	7	774.4297	387.7187
787.4024	8	M	6	673.3820	337.1949
844.4238	9	G	5	542.3415	271.6747
941.4766	10	P	4	485.3200	243.1639
1097.6029	11	K	3	388.2673	194.6375
1154.6244	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

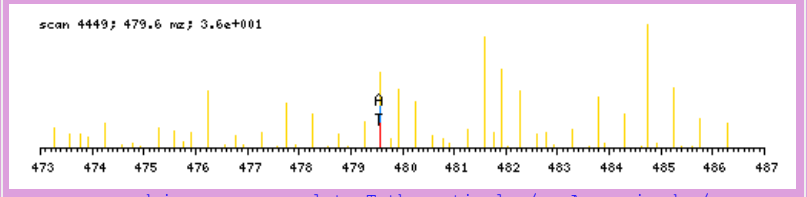
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADDLECTPGFQR, MH+ 1436.6479, m/z 479.5542
L OS G31 P160811 220811-s1.04450.04450.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



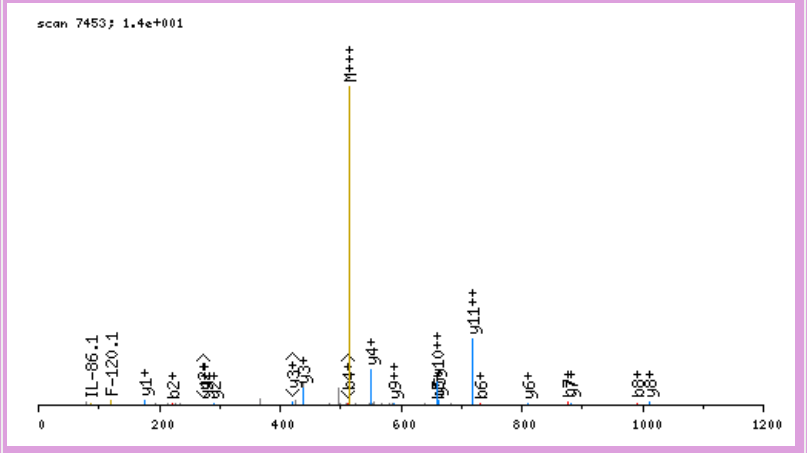
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
215.1032	2	D	11	1337.5795	669.2937
330.1301	3	D	10	1222.5526	611.7802
443.2142	4	L	9	1107.5257	**554.2667**
572.2568	5	E	8	994.4416	497.7247
732.2874	6	C	7	865.3990	433.2034
833.3350	7	T	6	**705.3684**	**353.1881**
930.3878	8	P	5	**604.3207**	**302.6643**
987.4093	9	G	4	**507.2680**	254.1379
1134.4777	10	F	3	**450.2465**	**225.6272**
1262.5363	11	Q	2	**303.1781**	152.0930
	12	R	1	**175.1195**	88.0637

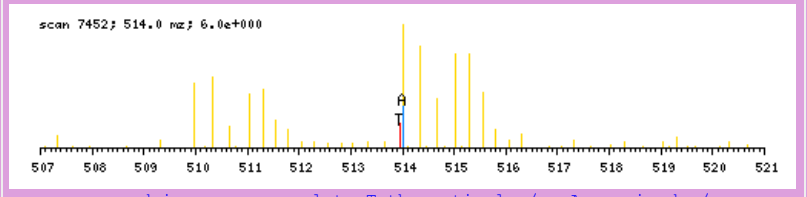
N-term:+29.04 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADFKEAFLLFDR, MH+ 1539.8848, m/z 513.9664
H OS G33 P160811 220811-s1.07453.07453.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

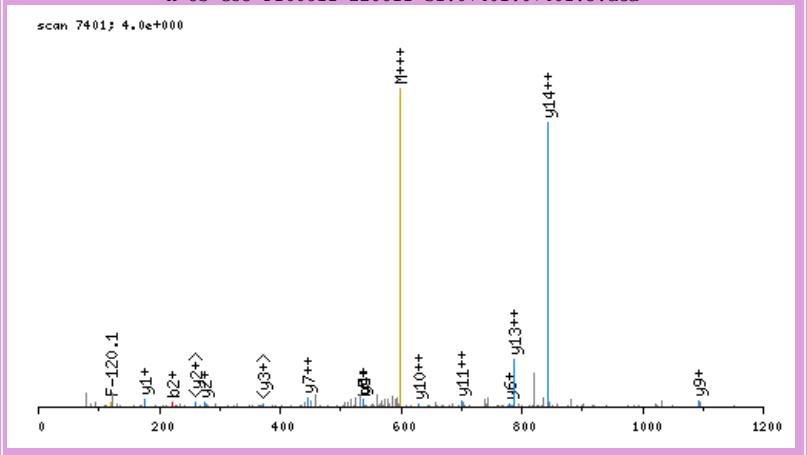


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

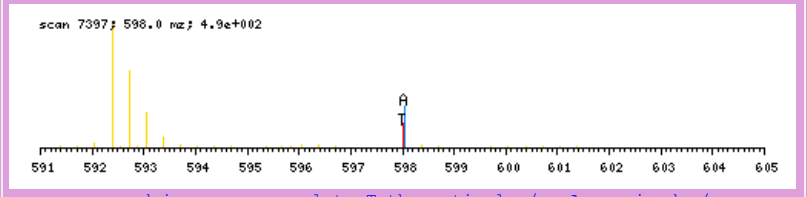
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	12		
221.1350	2	D	11	1434.7846	**717.8962**
368.2034	3	F	10	1319.7576	**660.3827**
530.3615	4	K	9	1172.6892	**586.8485**
659.4041	5	E	8	**1010.5311**	505.7695
730.4412	6	A	7	**881.4885**	441.2482
877.5096	7	F	6	**810.4514**	405.7296
990.5937	8	L	5	**663.3830**	332.1954
1103.6777	9	L	4	**550.2989**	**275.6534**
1250.7461	10	F	3	**437.2149**	219.1113
1365.7731	11	D	2	**290.1464**	145.5771
	12	R	1	**175.1195**	88.0637

N-term:+35.07 K(4):+162.16

ADGIFKAELNEFLTR, MH+ 1792.0281, m/z 598.0142
H OS G33 P160811 220811-s1.07401.07401.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

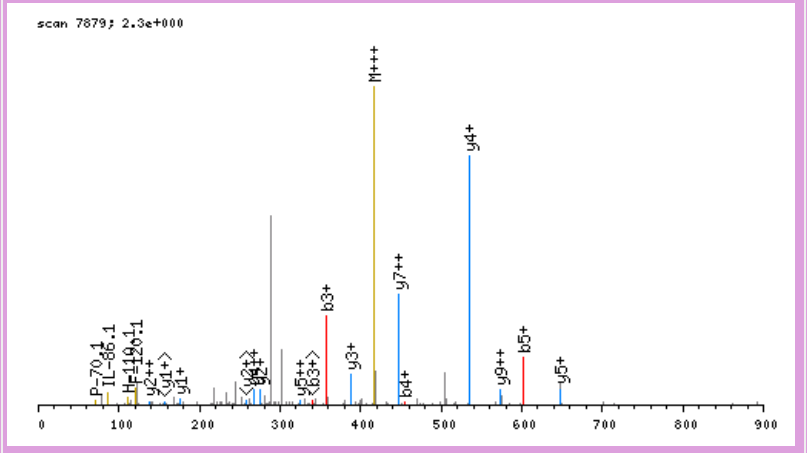
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
221.1350	2	D	14	1686.9279	**843.9679**
278.1564	3	G	13	1571.9010	**786.4544**
391.2405	4	I	12	1514.8795	757.9437
538.3089	5	F	11	1401.7955	**701.4016**
700.4670	6	K	10	1254.7270	**627.8674**
771.5041	7	A	9	**1092.5689**	546.7884
900.5467	8	E	8	1021.5318	511.2698
1013.6308	9	L	7	892.4892	**446.7485**
1127.6737	10	N	6	**779.4052**	390.2065
1256.7163	11	E	5	665.3623	333.1850
1403.7847	12	F	4	**536.3197**	268.6637
1516.8688	13	L	3	389.2512	195.1295
1617.9164	14	T	2	**276.1672**	138.5875
	15	R	1	**175.1195**	88.0637

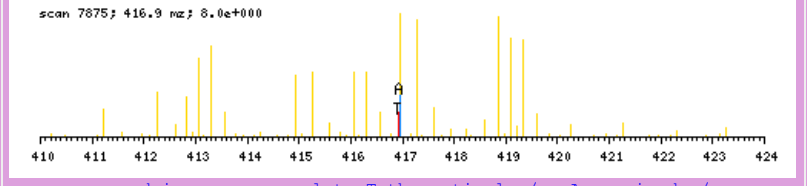
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADHPFIFLVR, MH+ 1248.7317, m/z 416.9154
H OS G34 P160811 220811-s1.07879.07879.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



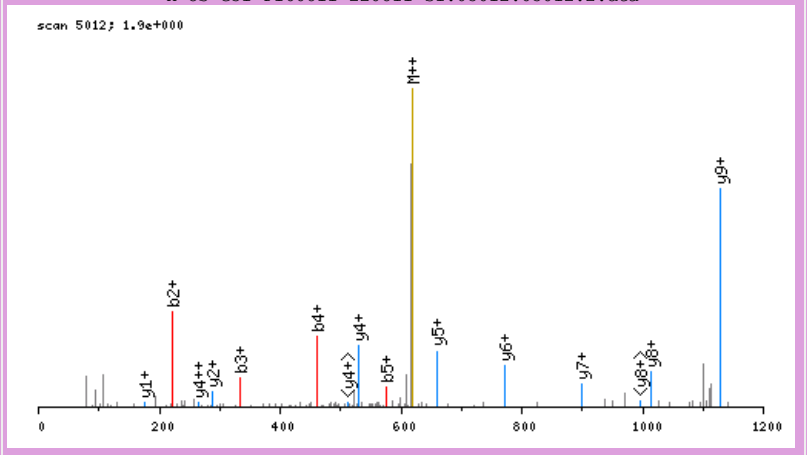
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
221.1350	2	D	9	1143.6315	**572.3197**
358.1939	3	H	8	1028.6045	514.8062
455.2466	4	P	7	891.5456	**446.2767**
602.3150	5	F	6	794.4929	397.7503
715.3991	6	I	5	**647.4245**	**324.2161**
862.4675	7	F	4	**534.3404**	**267.6741**
975.5516	8	L	3	**387.2720**	194.1399
1074.6200	9	V	2	**274.1879**	**137.5979**
	10	R	1	**175.1195**	88.0637

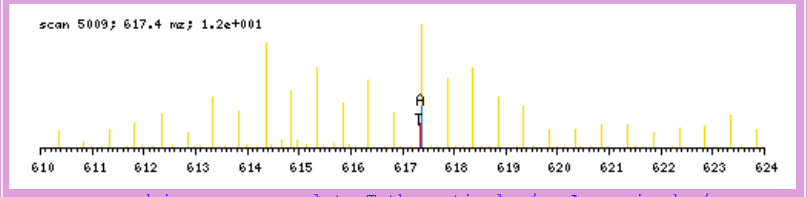
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADIQIEQLNR, MH+ 1233.7015, m/z 617.3544
H OS G31 P160811 220811-s1.05012.05012.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



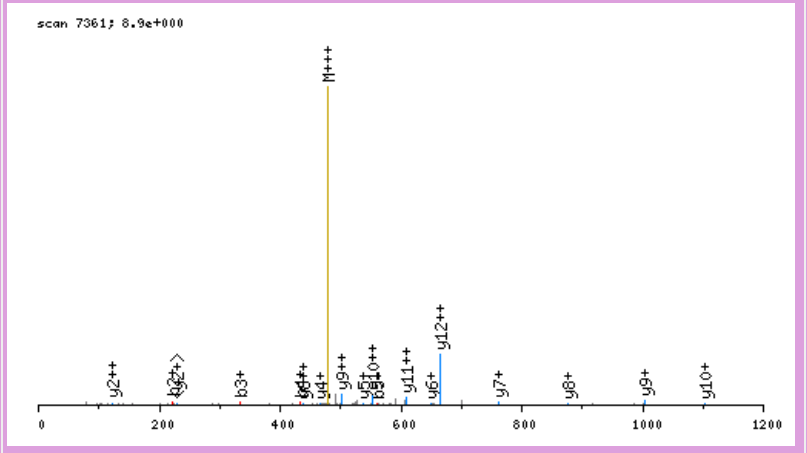
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
221.1350	2	D	9	1128.6013	564.8046
334.2190	3	I	8	1013.5744	507.2911
462.2776	4	Q	7	900.4903	450.7491
575.3617	5	I	6	772.4317	386.7198
704.4043	6	E	5	659.3477	330.1777
832.4628	7	Q	4	530.3051	265.6564
945.5469	8	L	3	402.2465	201.6272
1059.5898	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

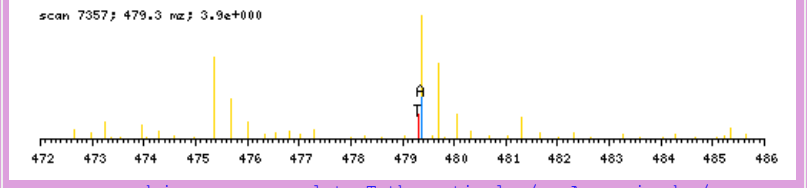
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADIVQLLLAKGAR, MH+ 1435.9637, m/z 479.3261
H OS G33 P160811 220811-s1.07361.07361.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



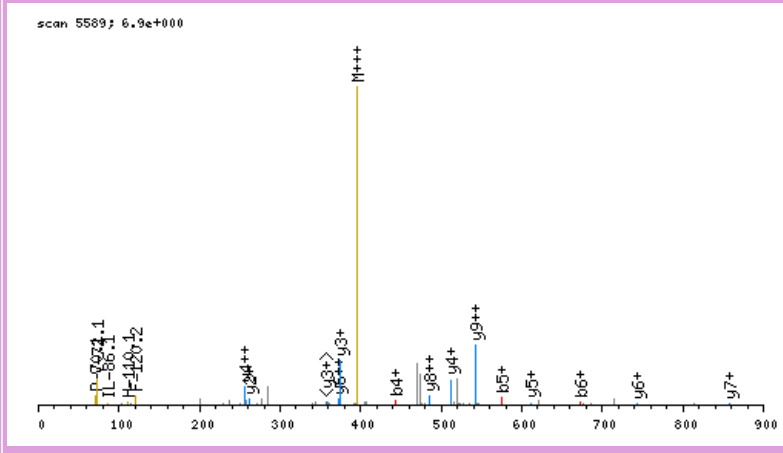
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
221.1350	2	D	12	1330.8635	**665.9357**
334.2190	3	I	11	1215.8365	**608.4222**
433.2874	4	V	10	**1102.7525**	**551.8802**
561.3460	5	Q	9	**1003.6841**	**502.3459**
674.4301	6	L	8	**875.6255**	**438.3167**
787.5141	7	L	7	**762.5414**	381.7746
900.5982	8	L	6	**649.4574**	325.2326
971.6353	9	A	5	**536.3733**	268.6906
1133.7934	10	K	4	**465.3362**	233.1720
1190.8149	11	G	3	303.1781	152.0930
1261.8520	12	A	2	246.1566	**123.5822**
	13	R	1	175.1195	88.0637

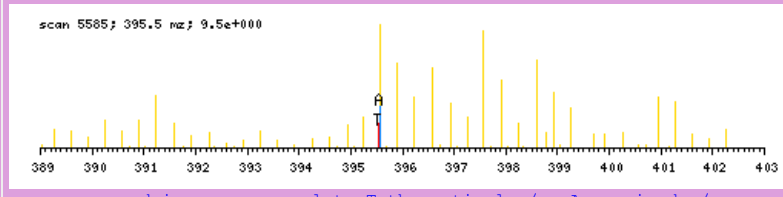
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADLDMVHLSR, MH+ 1184.6097, m/z 395.5414
L OS G34 P160811 220811-s1.05589.05589.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



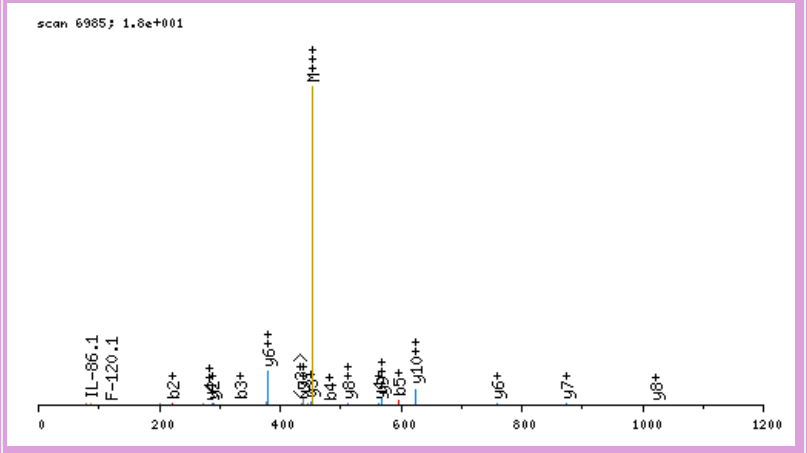
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	10		
215.1032	2	D	9	1085.5414	**543.2746**
328.1872	3	L	8	970.5144	**485.7611**
443.2142	4	D	7	**857.4303**	429.2191
574.2546	5	M	6	**742.4034**	**371.7056**
673.3231	6	V	5	**611.3629**	306.1854
810.3820	7	H	4	**512.2945**	**256.6512**
923.4660	8	L	3	**375.2356**	188.1217
1010.4981	9	S	2	**262.1515**	131.5797
	10	R	1	175.1195	88.0637

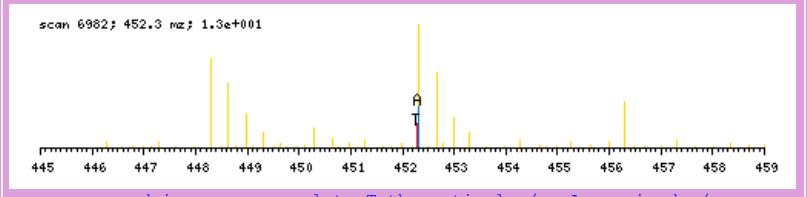
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADLFDPVIKLR, MH+ 1354.8735, m/z 452.2960
H OS G33 P160811 220811-s1.06985.06985.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



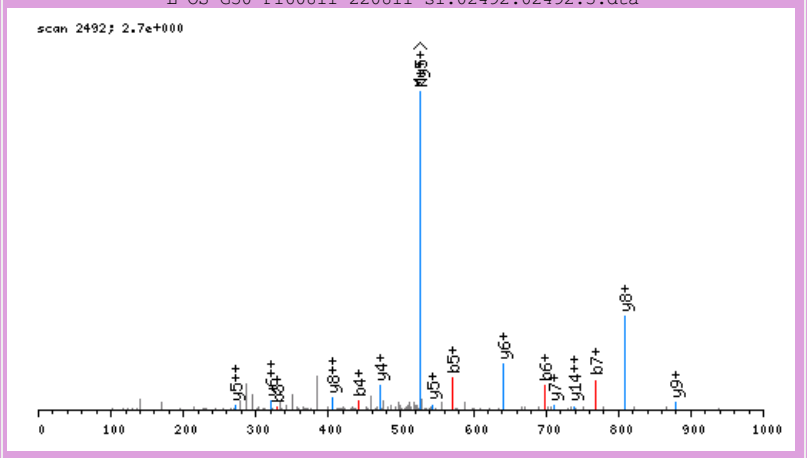
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
221.1350	2	D	10	1249.7733	**625.3905**
334.2190	3	L	9	1134.7463	**567.8771**
481.2874	4	F	8	**1021.6623**	**511.3350**
596.3144	5	D	7	**874.5938**	**437.8008**
693.3671	6	P	6	**759.5669**	**380.2874**
792.4356	7	V	5	662.5141	331.7610
905.5196	8	I	4	**563.4457**	**282.2268**
1067.6777	9	K	3	**450.3617**	225.6847
1180.7618	10	L	2	**288.2036**	144.6057
	11	R	1	175.1195	88.0637

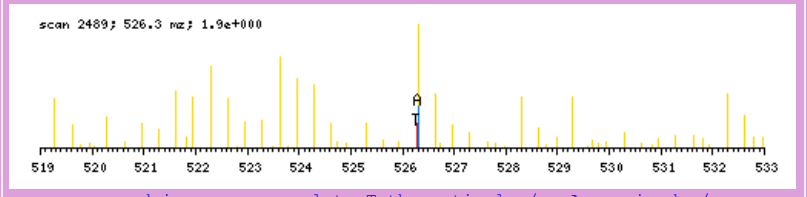
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADLNQQAPAPAPAER, MH+ 1576.8083, m/z 526.2743
L OS G30 P160811 220811-s1.02492.02492.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



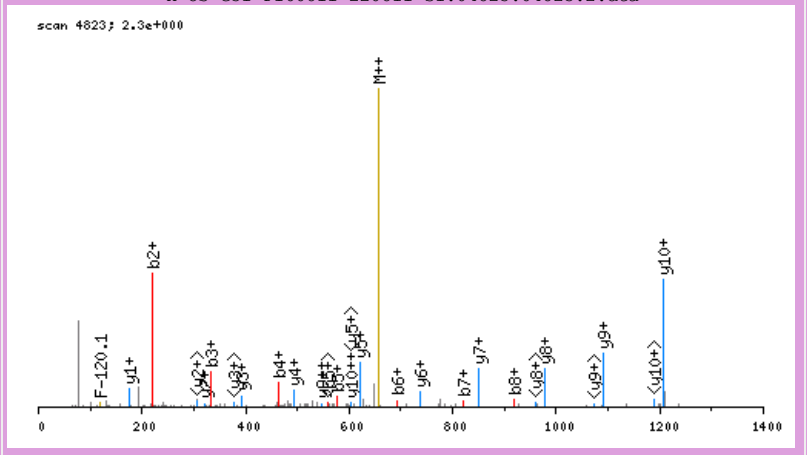
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
215.1032	2	D	14	1477.7399	**739.3739**
328.1872	3	L	13	1362.7130	681.8604
442.2301	4	N	12	1249.6289	625.3184
570.2887	5	Q	11	1135.5860	568.2969
698.3473	6	Q	10	1007.5274	504.2676
769.3844	7	A	9	**879.4688**	440.2383
866.4372	8	P	8	**808.4317**	**404.7198**
937.4743	9	A	7	**711.3790**	356.1934
1034.5271	10	P	6	**640.3418**	**320.6748**
1105.5642	11	A	5	**543.2891**	**272.1485**
1202.6169	12	P	4	**472.2520**	236.6299
1273.6541	13	A	3	375.1992	188.1035
1402.6966	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

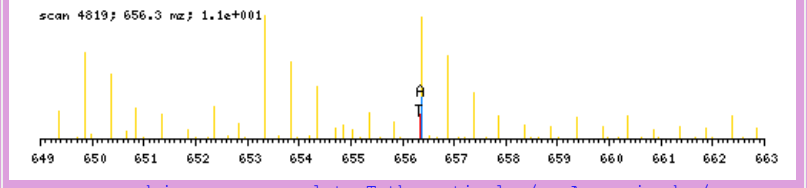
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADLQNDEVAFR, MH+ 1311.6757, m/z 656.3415
H OS G31 P160811 220811-s1.04823.04823.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



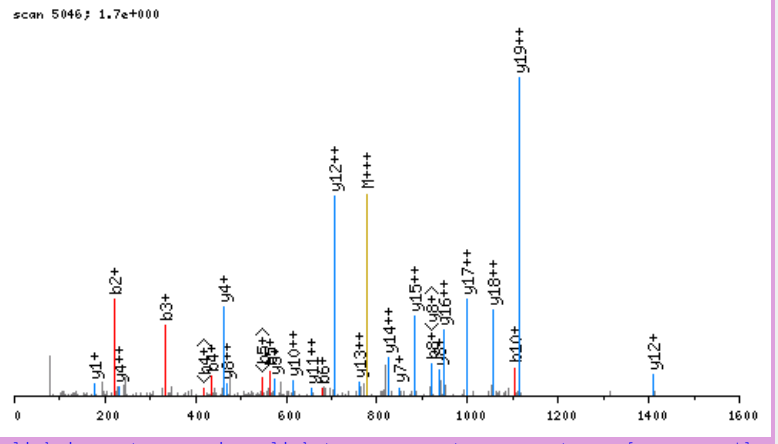
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
221.1350	2	D	10	1206.5755	603.7917
334.2190	3	L	9	1091.5485	546.2782
462.2776	4	Q	8	978.4645	489.7362
576.3205	5	N	7	850.4059	425.7069
691.3475	6	D	6	736.3630	368.6854
820.3901	7	E	5	621.3360	311.1719
919.4585	8	V	4	492.2934	246.6506
990.4956	9	A	3	393.2250	197.1164
1137.5640	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

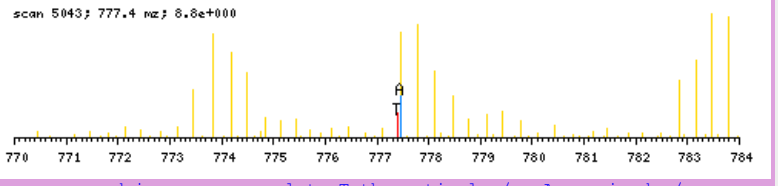
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ADLTEDQLPSCESLKDTIAR, MH+ 2330.2185, m/z 777.4110
H OS G32 P160811 220811-s1.05046.05046.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



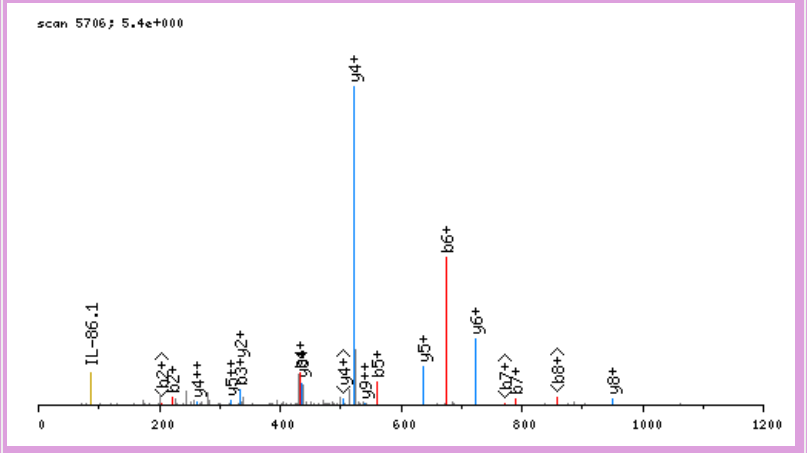
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
221.1350	2	D	19	2225.1183	**1113.0631**
334.2190	3	L	18	2110.0914	**1055.5496**
435.2667	4	T	17	1997.0073	**999.0076**
564.3093	5	E	16	1895.9597	**948.4837**
679.3362	6	D	15	1766.9171	**883.9624**
807.3948	7	Q	14	1651.8901	**826.4490**
920.4789	8	L	13	1523.8315	**762.4197**
1017.5316	9	P	12	**1410.7475**	**705.8777**
1104.5637	10	S	11	1313.6947	**657.3513**
1264.5943	11	C	10	1226.6627	**613.8353**
1393.6369	12	E	9	1066.6321	533.8200
1480.6689	13	S	8	**937.5895**	**469.2987**
1593.7530	14	L	7	**850.5575**	425.7826
1755.9111	15	K	6	737.4734	369.2406
1870.9380	16	D	5	**575.3153**	288.1616
1971.9857	17	T	4	**460.2884**	**230.6481**
2085.0697	18	I	3	359.2407	180.1243
2156.1069	19	A	2	246.1566	123.5822
	20	R	1	**175.1195**	88.0637

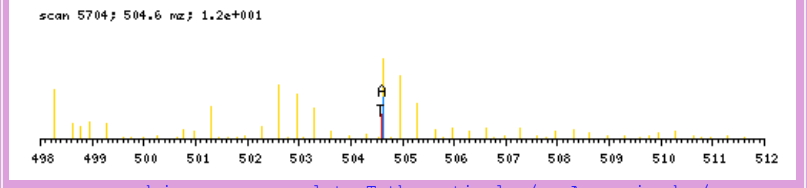
N-term:+35.07 C(11):+160.03
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADLVQDLSISTCR, MH+ 1511.7951, m/z 504.6032
H OS G30 P160811 220811-s1.05706.05706.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



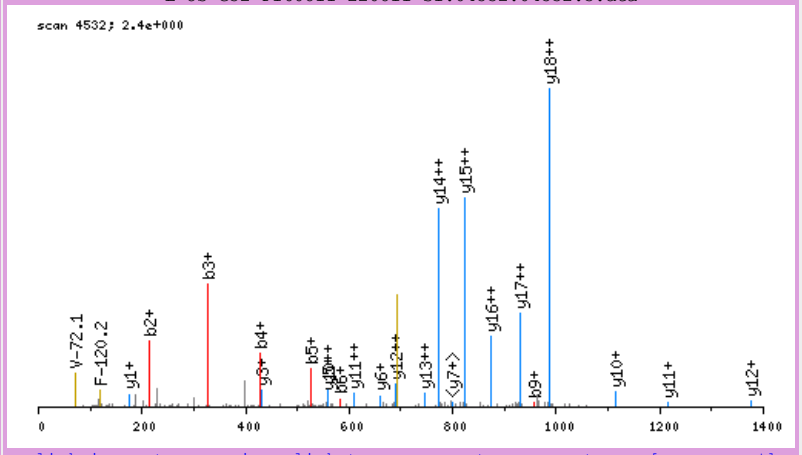
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
221.1350	2	D	12	1406.6949	703.8514
334.2190	3	L	11	1291.6680	646.3379
433.2874	4	V	10	1178.5839	589.7959
561.3460	5	Q	9	1079.5155	540.2617
676.3730	6	D	8	951.4569	476.2324
789.4570	7	L	7	836.4300	418.7189
876.4890	8	S	6	723.3459	362.1769
989.5731	9	I	5	636.3139	318.6608
1076.6051	10	S	4	523.2298	262.1188
1177.6528	11	T	3	436.1978	218.6028
1337.6834	12	C	2	335.1501	168.0790
	13	R	1	175.1195	88.0637

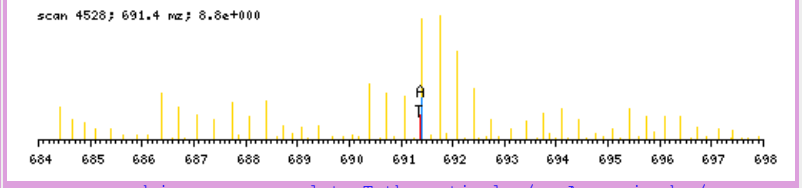
N-term:+35.07 C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ADLVVGLCTGQIKTGAPCR, MH+ 2072.0996, m/z 691.3714
L OS G32 P160811 220811-s1.04532.04532.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



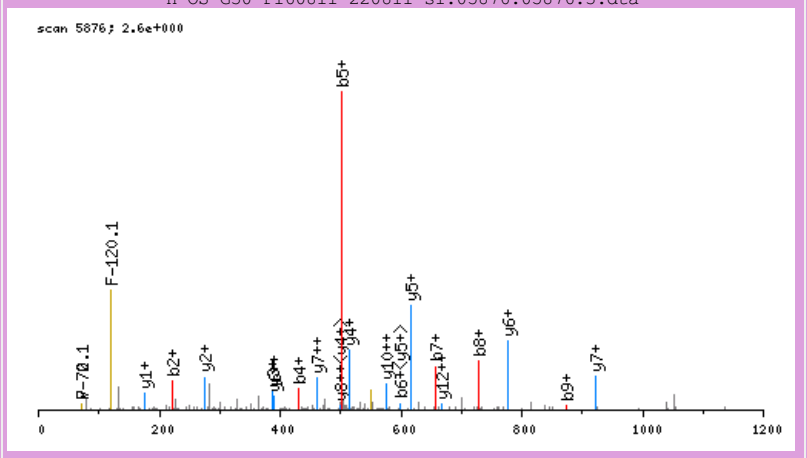
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
215.1032	2	D	18	1973.0312	**987.0195**
328.1872	3	L	17	1858.0042	**929.5060**
427.2556	4	V	16	1744.9202	**872.9640**
526.3240	5	V	15	1645.8517	**823.4298**
583.3455	6	G	14	1546.7833	**773.8956**
696.4296	7	L	13	1489.7619	**745.3848**
856.4602	8	C	12	**1376.6778**	**688.8428**
957.5079	9	T	11	**1216.6472**	**608.8275**
1014.5293	10	G	10	**1115.5995**	**558.3037**
1142.5879	11	Q	9	1058.5781	529.7929
1255.6720	12	I	8	930.5195	465.7637
1411.7983	13	K	7	817.4354	409.2216
1512.8459	14	T	6	**661.3091**	331.1585
1569.8674	15	G	5	**560.2614**	280.6346
1640.9045	16	A	4	503.2400	252.1239
1737.9573	17	P	3	**432.2029**	216.6053
1897.9879	18	C	2	335.1501	168.0790
	19	R	1	**175.1195**	88.0637

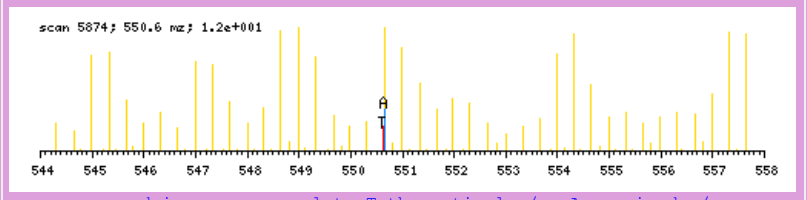
N-term:+29.04 C(8):+160.03
K(13):+156.13 C(18):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADPLAPGAFCTQIVR, MH+ 1649.8897, m/z 550.6347
H OS G30 P160811 220811-s1.05876.05876.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



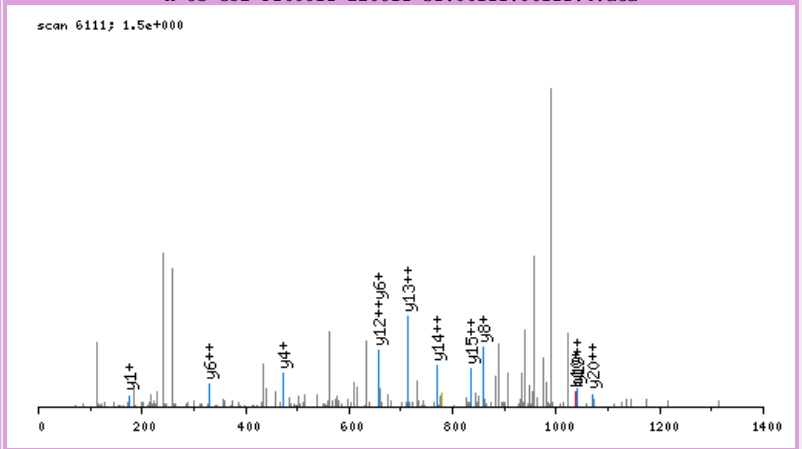
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
221.1350	2	D	14	1544.7895	772.8986
318.1877	3	P	13	1429.7625	715.3852
431.2718	4	L	12	1332.7098	**666.8588**
502.3089	5	A	11	1219.6257	610.3168
599.3617	6	P	10	1148.5886	**574.7982**
656.3831	7	G	9	1051.5358	526.2718
727.4202	8	A	8	994.5144	**497.7611**
874.4887	9	F	7	**923.4772**	**462.2425**
1034.5193	10	C	6	**776.4088**	**388.7083**
1135.5669	11	T	5	**616.3782**	308.6930
1263.6255	12	Q	4	**515.3306**	258.1692
1376.7096	13	I	3	**387.2720**	194.1399
1475.7780	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

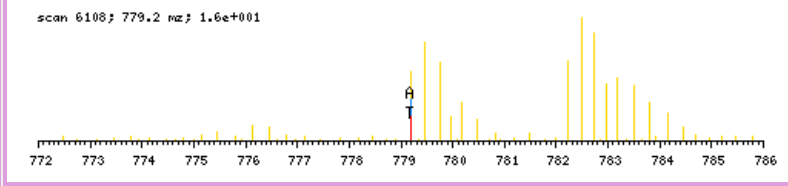
N-term:+35.07 C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ADSADELENGALLLQILQLSQLSSPIGQR, MH+ 3113.6906, m/z 779.1781
H OS G32 P160811 220811-s1.06111.06111.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



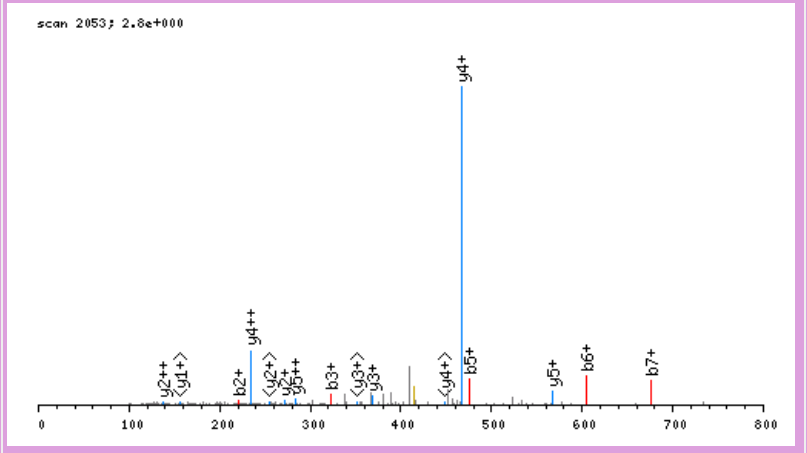
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	29		
221.1350	2	D	28	3008.5904	1504.7991
308.1670	3	S	27	2893.5635	1447.2857
379.2041	4	A	26	2806.5314	1403.7696
494.2310	5	D	25	2735.4943	1368.2511
623.2736	6	E	24	2620.4674	1310.7376
736.3577	7	L	23	2491.4248	1246.2163
865.4003	8	E	22	2378.3407	1189.6743
979.4432	9	N	21	2249.2981	1125.1530
1036.4647	10	G	20	2135.2552	**1068.1315**
1107.5018	11	A	19	2078.2337	**1039.6208**
1220.5859	12	L	18	2007.1966	1004.1022
1333.6699	13	L	17	1894.1126	947.5602
1446.7540	14	L	16	1781.0285	891.0182
1574.8126	15	Q	15	1667.9444	**834.4761**
1687.8966	16	I	14	1539.8859	**770.4468**
1800.9807	17	L	13	1426.8018	**713.9048**
1929.0393	18	Q	12	1313.7177	**657.3628**
2042.1233	19	L	11	1185.6592	593.3335
2129.1554	20	S	10	1072.5751	536.7915
2257.2139	21	Q	9	985.5431	493.2754
2370.2980	22	L	8	**857.4845**	429.2462
2457.3300	23	S	7	744.4004	372.7041
2544.3621	24	S	6	**657.3684**	**329.1881**
2641.4148	25	P	5	570.3364	285.6721
2754.4989	26	I	4	**473.2836**	237.1457
2811.5204	27	G	3	360.1995	180.6037
2939.5789	28	Q	2	303.1781	152.0930
	29	R	1	**175.1195**	88.0637

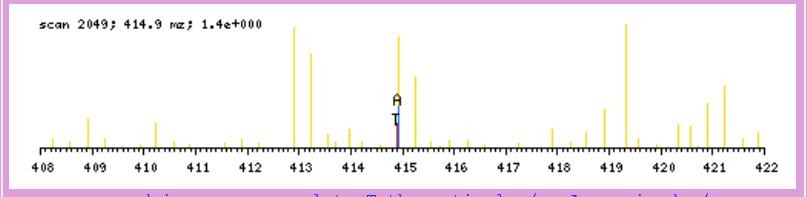
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADTPGEATPPPR, MH+ 1242.6542, m/z 414.8896
H OS G31 P160811 220811-s1.02053.02053.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



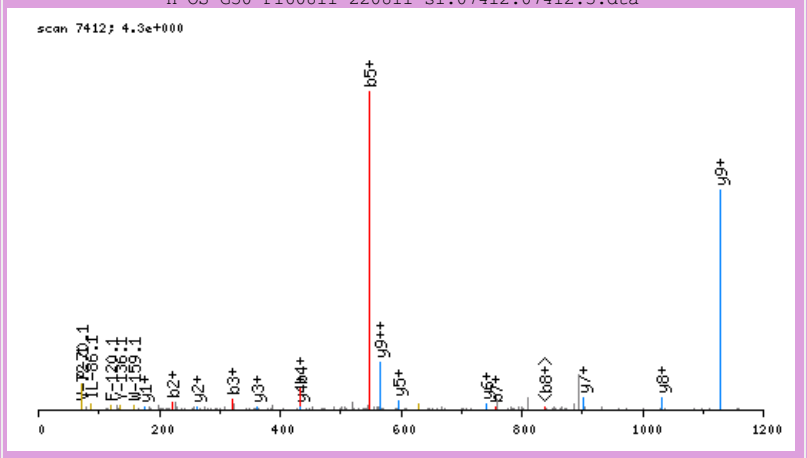
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	12		
221.1350	2	D	11	1137.5540	569.2809
322.1826	3	T	10	1022.5271	511.7675
419.2354	4	P	9	921.4794	461.2436
476.2569	5	G	8	824.4266	412.7172
605.2995	6	E	7	767.4052	384.2065
676.3366	7	A	6	638.3626	319.6852
777.3842	8	T	5	567.3255	284.1666
874.4370	9	P	4	466.2778	233.6428
971.4898	10	P	3	369.2250	185.1164
1068.5425	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

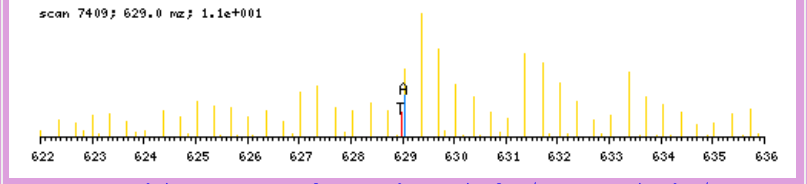
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADVLNPLPECFYAVSR, MH+ 1884.9741, m/z 628.9962
H OS G30 P160811 220811-s1.07412.07412.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



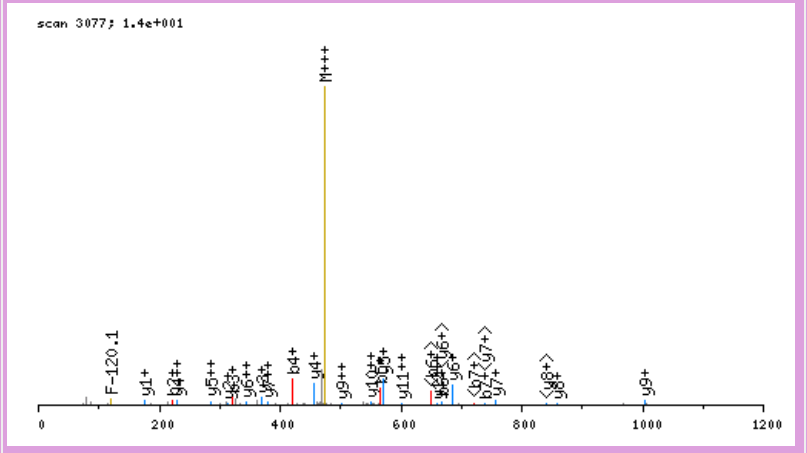
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
221.1350	2	D	15	1779.8739	890.4409
320.2034	3	V	14	1664.8470	832.9274
433.2874	4	L	13	1565.7786	783.3932
547.3304	5	N	12	1452.6945	726.8512
644.3831	6	P	11	1338.6516	669.8297
757.4672	7	L	10	1241.5988	621.3033
854.5200	8	P	9	**1128.5148**	**564.7613**
983.5625	9	E	8	**1031.4620**	516.2349
1143.5931	10	C	7	**902.4194**	451.7136
1290.6616	11	F	6	**742.3888**	371.6983
1453.7249	12	Y	5	**595.3204**	298.1641
1524.7620	13	A	4	**432.2571**	216.6324
1623.8304	14	V	3	**361.2199**	181.1139
1710.8624	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

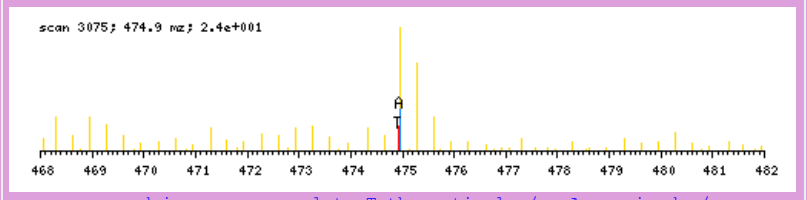
N-term:+35.07 C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ADVVFTANDSGHR, MH+ 1422.7189, m/z 474.9112
H OS G34 P160811 220811-s1.03077.03077.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



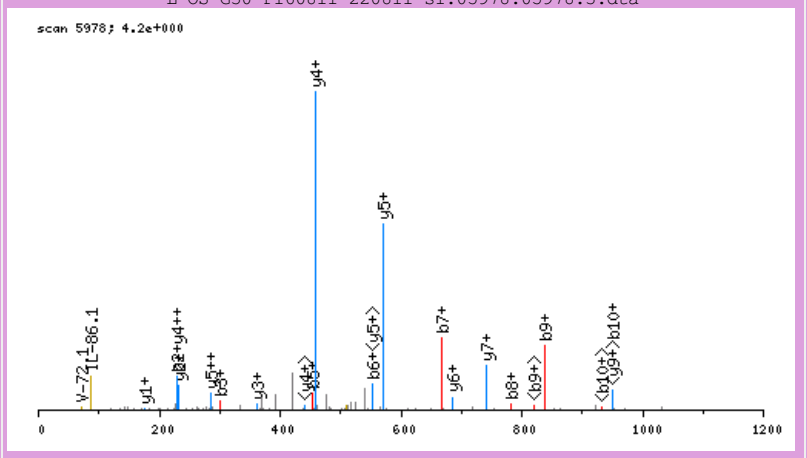
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
221.1350	2	D	12	1317.6188	659.3133
320.2034	3	V	11	1202.5918	601.7998
419.2718	4	V	10	1103.5234	552.2656
566.3402	5	F	9	1004.4550	502.7314
667.3879	6	T	8	857.3866	429.1972
738.4250	7	A	7	756.3389	378.6734
852.4679	8	N	6	685.3018	343.1548
967.4949	9	D	5	571.2588	286.1333
1054.5269	10	S	4	456.2319	228.6199
1111.5484	11	G	3	369.1999	185.1039
1248.6073	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

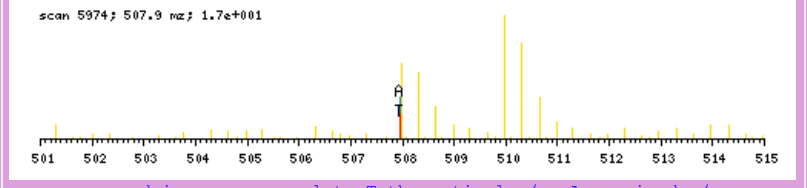
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEAPGVDLGILPEGR, MH+ 1521.8277, m/z 507.9474
L OS G30 P160811 220811-s1.05978.05978.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



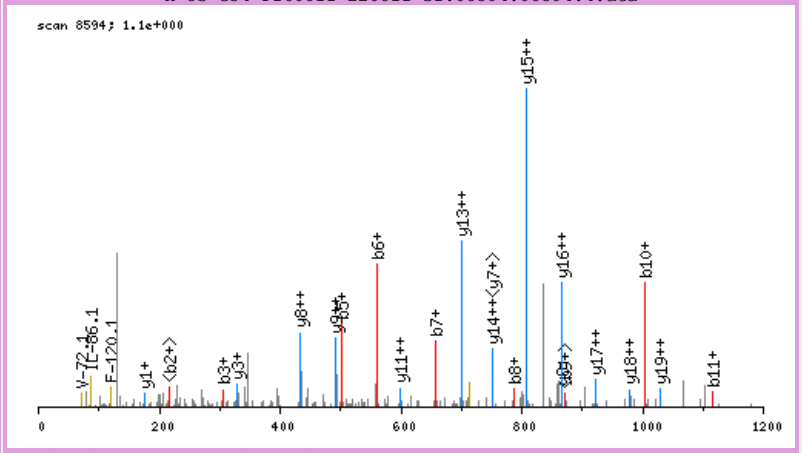
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
229.1188	2	E	14	1422.7593	711.8835
300.1559	3	A	13	1293.7167	647.3623
397.2087	4	P	12	1222.6796	611.8437
454.2301	5	G	11	1125.6268	563.3173
553.2986	6	V	10	1068.6053	534.8066
668.3255	7	D	9	969.5369	485.2724
781.4096	8	L	8	854.5100	427.7589
838.4310	9	G	7	741.4259	371.2169
951.5151	10	I	6	684.4044	342.7061
1064.5992	11	L	5	571.3204	286.1641
1161.6519	12	P	4	458.2363	229.6221
1290.6945	13	E	3	361.1836	181.0957
1347.7160	14	G	2	232.1410	116.5744
	15	R	1	175.1195	88.0637

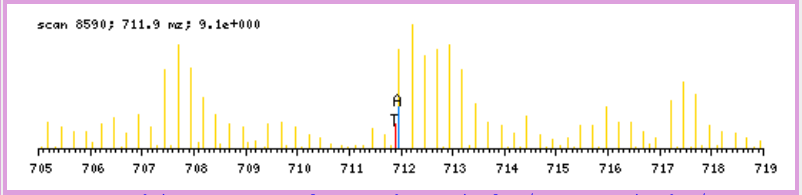
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEAPVGVETDLIDVGFTDDVKKGGPGR, MH+ 2844.5844, m/z 711.9015
H OS G34 P160811 220811-s1.08594.08594.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



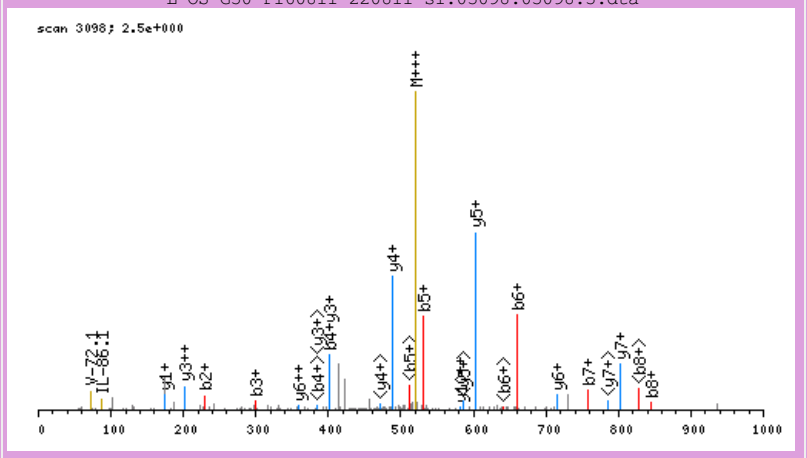
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	27		
235.1506	2	E	26	2739.4842	1370.2460
306.1877	3	A	25	2610.4416	1305.7247
403.2405	4	P	24	2539.4045	1270.2061
502.3089	5	V	23	2442.3517	1221.6798
559.3304	6	G	22	2343.2833	1172.1456
658.3988	7	V	21	2286.2618	1143.6348
787.4414	8	E	20	2187.1934	1094.1006
888.4890	9	T	19	2058.1508	**1029.5793**
1003.5160	10	D	18	1957.1031	**979.0555**
1116.6001	11	L	17	1842.0762	**921.5420**
1229.6841	12	I	16	1728.9921	**865.0000**
1344.7111	13	D	15	1615.9081	**808.4579**
1443.7795	14	V	14	1500.8811	**750.9445**
1500.8009	15	G	13	1401.8127	**701.4103**
1647.8694	16	F	12	1344.7912	672.8995
1748.9170	17	T	11	1197.7228	**599.3653**
1863.9440	18	D	10	1096.6752	548.8415
1978.9709	19	D	9	981.6482	**491.3280**
2078.0393	20	V	8	**866.6213**	**433.8145**
2240.1974	21	K	7	767.5529	384.2803
2402.3555	22	K	6	605.3948	303.2013
2459.3770	23	G	5	443.2367	222.1222
2516.3985	24	G	4	386.2152	193.6115
2613.4512	25	P	3	**329.1937**	165.1008
2670.4727	26	G	2	232.1410	116.5744
	27	R	1	**175.1195**	88.0637

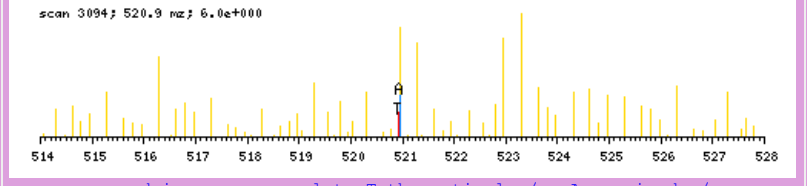
N-term:+35.07 K(21):+162.16
K(22):+162.16

AEATEEVSLDSPER, MH+ 1560.7393, m/z 520.9179
L OS G30 P160811 220811-s1.03098.03098.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



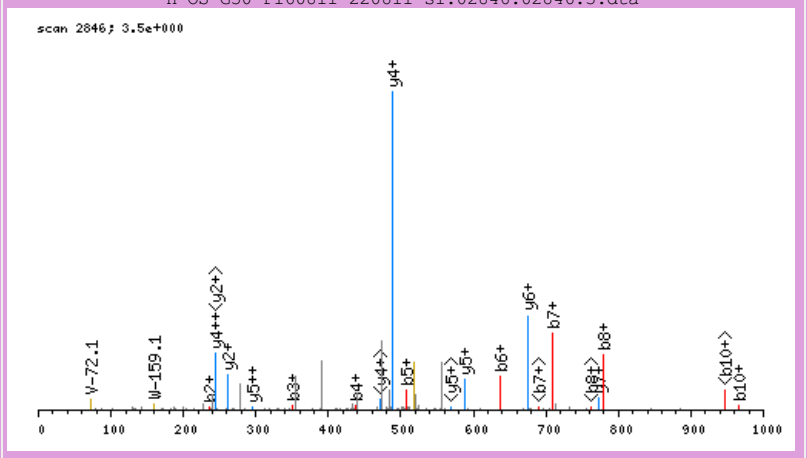
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
229.1188	2	E	13	1461.6709	731.3394
300.1559	3	A	12	1332.6283	666.8181
401.2036	4	T	11	1261.5912	631.2995
530.2462	5	E	10	1160.5435	580.7757
659.2888	6	E	9	1031.5009	516.2544
758.3572	7	V	8	902.4583	451.7331
845.3892	8	S	7	803.3899	402.1989
958.4733	9	L	6	716.3579	358.6829
1073.5002	10	D	5	603.2738	302.1408
1160.5323	11	S	4	488.2469	244.6274
1257.5850	12	P	3	401.2149	201.1113
1386.6276	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

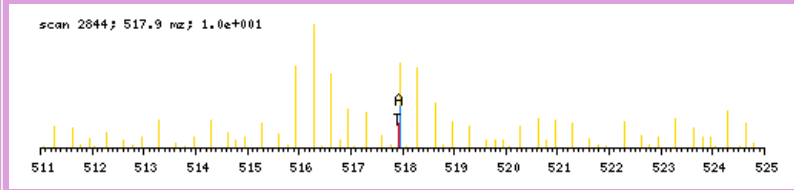
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AEDSAEAAVSVPESR, MH+ 1551.7714, m/z 517.9287
H OS G30 P160811 220811-s1.02846.02846.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



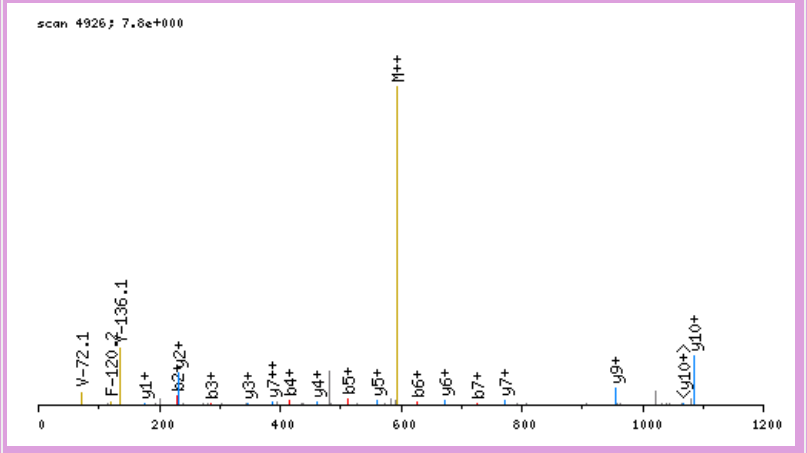
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
235.1506	2	E	14	1446.6712	723.8395
350.1776	3	D	13	1317.6286	659.3182
437.2096	4	S	12	1202.6017	601.8048
508.2467	5	A	11	1115.5697	558.2888
637.2893	6	E	10	1044.5326	522.7702
708.3264	7	A	9	915.4900	458.2489
779.3635	8	A	8	844.4529	422.7303
878.4319	9	V	7	**773.4157**	387.2118
965.4640	10	S	6	**674.3473**	337.6776
1064.5324	11	V	5	**587.3153**	**294.1616**
1161.5851	12	P	4	**488.2469**	**244.6274**
1290.6277	13	E	3	391.1941	196.1010
1377.6598	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

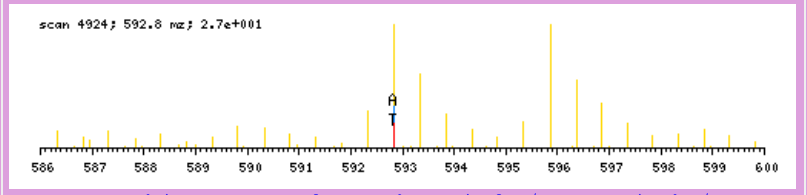
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEGQVLVLDGR, MH+ 1184.6639, m/z 592.8356
L OS G31 P160811 220811-s1.04926.04926.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



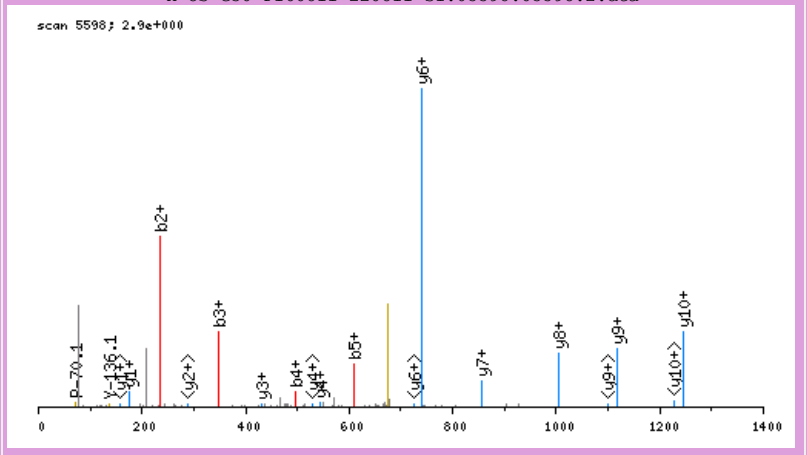
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	11		
229.1188	2	E	10	1085.5955	543.3017
286.1403	3	G	9	956.5529	478.7804
414.1988	4	Q	8	899.5314	450.2696
513.2673	5	V	7	771.4729	386.2403
626.3513	6	L	6	672.4044	336.7061
725.4197	7	V	5	559.3204	280.1641
838.5038	8	L	4	460.2520	230.6299
953.5307	9	D	3	347.1679	174.0879
1010.5522	10	G	2	232.1410	116.5744
	11	R	1	175.1195	88.0637

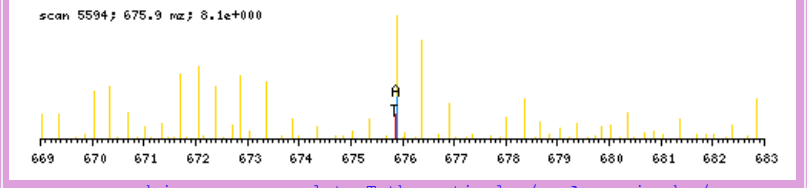
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AELFDPVIQER, MH+ 1350.7481, m/z 675.8777
H OS G30 P160811 220811-s1.05598.05598.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



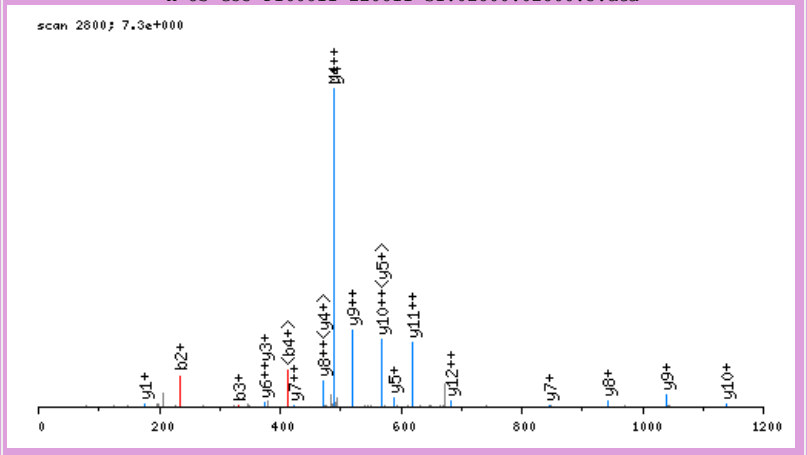
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
235.1506	2	E	10	1245.6479	623.3279
348.2347	3	L	9	1116.6053	558.8066
495.3031	4	F	8	1003.5213	502.2645
610.3300	5	D	7	856.4529	428.7303
707.3828	6	P	6	741.4259	371.2169
806.4512	7	V	5	644.3731	322.6905
919.5353	8	I	4	545.3047	273.1563
1047.5938	9	Q	3	432.2207	216.6142
1176.6364	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

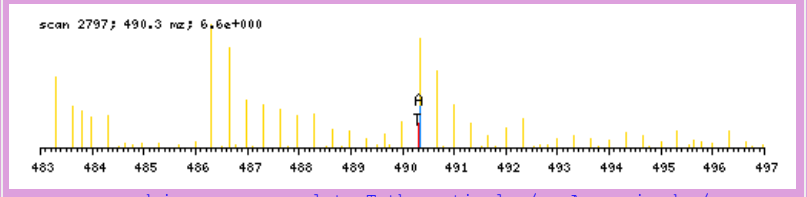
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEPPPPPKPDLSR, MH+ 1468.8800, m/z 490.2982
H OS G33 P160811 220811-s1.02800.02800.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



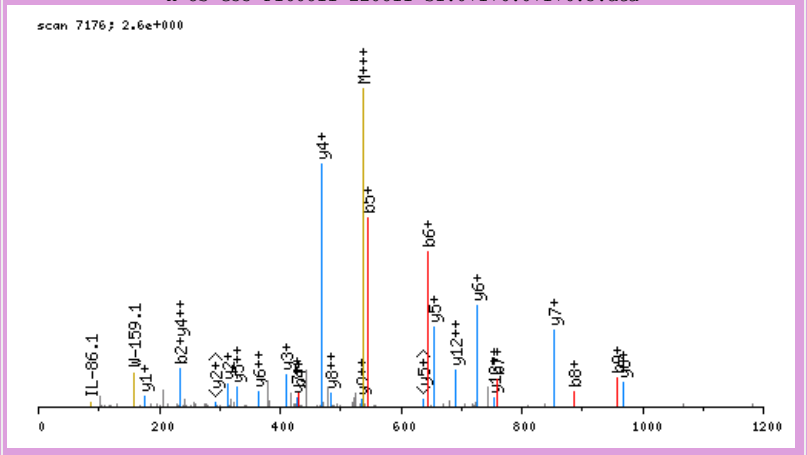
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
235.1506	2	E	12	1363.7798	682.3938
332.2034	3	P	11	1234.7372	617.8725
429.2561	4	P	10	1137.6845	569.3461
526.3089	5	P	9	1040.6317	520.8198
623.3617	6	P	8	943.5789	472.2934
720.4144	7	P	7	846.5262	423.7670
882.5725	8	K	6	749.4734	375.2406
979.6253	9	P	5	587.3153	294.1616
1094.6522	10	D	4	490.2625	245.6352
1207.7363	11	L	3	375.2356	188.1217
1294.7683	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

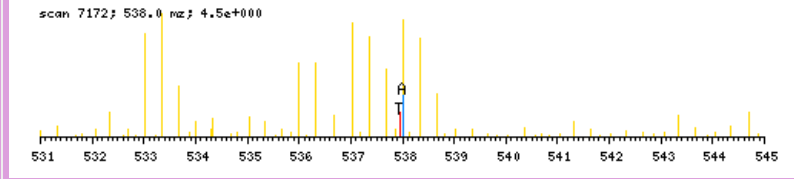
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEPVDVLEAWGVHR, MH+ 1611.8707, m/z 537.9617
H OS G33 P160811 220811-s1.07176.07176.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



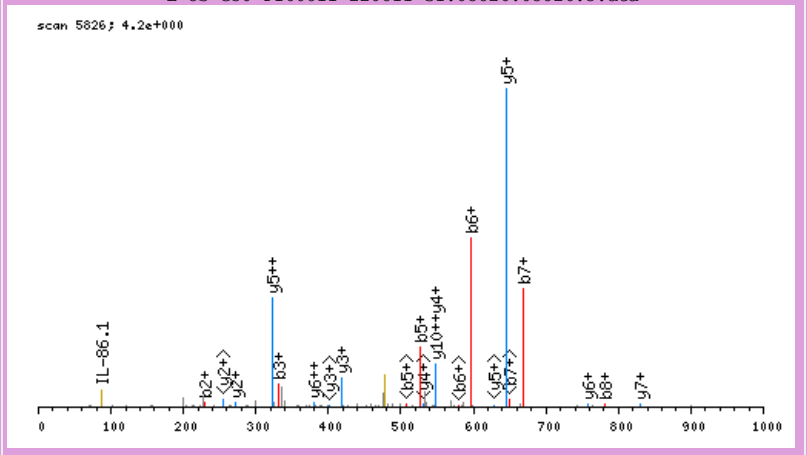
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
235.1506	2	E	13	1506.7705	753.8892
332.2034	3	P	12	1377.7279	689.3679
431.2718	4	V	11	1280.6751	640.8415
546.2987	5	D	10	1181.6067	591.3073
645.3671	6	V	9	1066.5798	533.7938
758.4512	7	L	8	967.5114	484.2596
887.4938	8	E	7	854.4273	427.7176
958.5309	9	A	6	725.3847	363.1963
1144.6102	10	W	5	654.3476	327.6777
1201.6317	11	G	4	468.2683	234.6381
1300.7001	12	V	3	411.2468	206.1273
1437.7590	13	H	2	312.1784	156.5931
	14	R	1	175.1195	88.0637

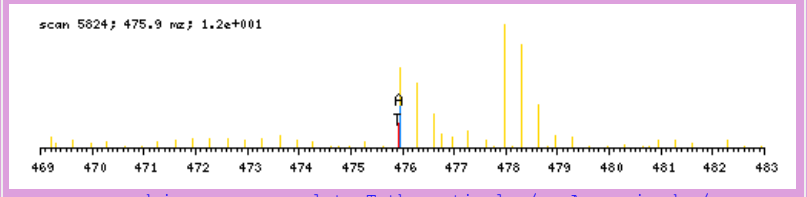
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AETPVAALPEFPR, MH+ 1425.7742, m/z 475.9296
L OS G30 P160811 220811-s1.05826.05826.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



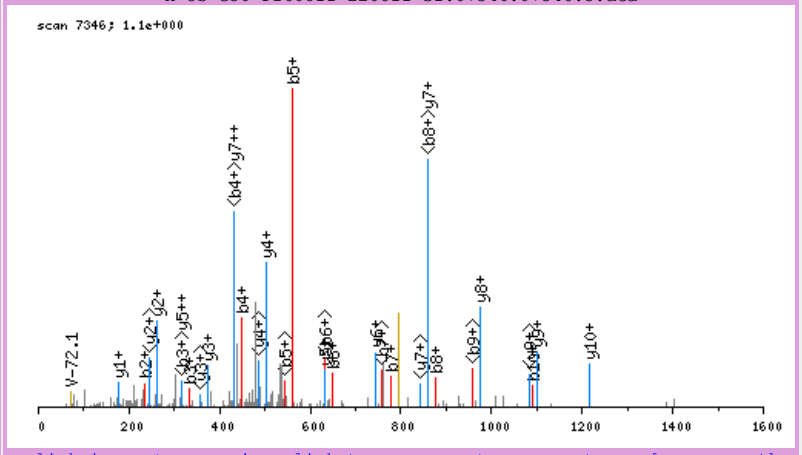
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
229.1188	2	E	12	1326.7058	663.8568
330.1665	3	T	11	1197.6632	599.3355
427.2192	4	P	10	1096.6155	**548.8117**
526.2877	5	V	9	999.5627	500.2853
597.3248	6	A	8	900.4943	450.7511
668.3619	7	A	7	**829.4572**	415.2325
781.4460	8	L	6	**758.4201**	**379.7140**
878.4987	9	P	5	**645.3360**	**323.1719**
1007.5413	10	E	4	**548.2833**	274.6455
1154.6097	11	F	3	**419.2407**	210.1243
1251.6625	12	P	2	**272.1723**	136.5900
	13	R	1	175.1195	88.0637

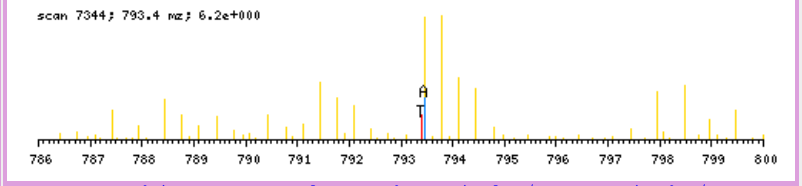
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AEVNLSQTVDADQLDLEQLSR, MH+ 2378.2263, m/z 793.4136
H OS G30 P160811 220811-s1.07346.07346.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



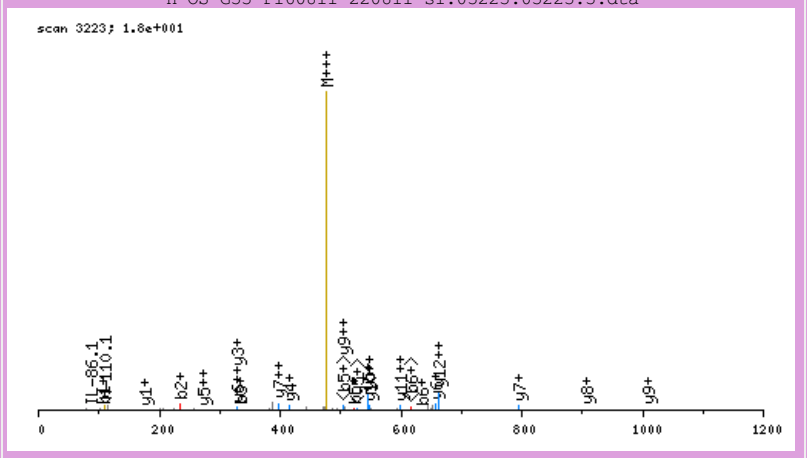
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	21		
235.1506	2	E	20	2273.1261	1137.0670
334.2190	3	V	19	2144.0835	1072.5457
448.2619	4	N	18	2045.0151	1023.0115
561.3460	5	L	17	1930.9722	965.9900
648.3780	6	S	16	1817.8881	909.4480
776.4366	7	Q	15	1730.8561	865.9320
877.4843	8	T	14	1602.7975	801.9027
976.5527	9	V	13	1501.7498	751.3788
1091.5797	10	D	12	1402.6814	701.8446
1162.6168	11	A	11	1287.6545	644.3311
1277.6437	12	D	10	**1216.6174**	608.8126
1405.7023	13	Q	9	**1101.5904**	551.2991
1518.7864	14	L	8	**973.5318**	487.2698
1633.8133	15	D	7	**860.4478**	**430.7278**
1746.8974	16	L	6	**745.4208**	373.2143
1875.9400	17	E	5	**632.3368**	**316.6723**
2003.9985	18	Q	4	**503.2942**	252.1510
2117.0826	19	L	3	**375.2356**	188.1217
2204.1146	20	S	2	**262.1515**	131.5797
	21	R	1	**175.1195**	88.0637

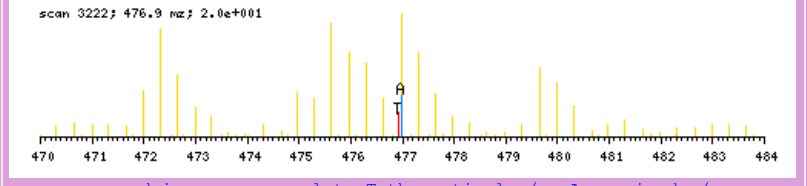
N-term:+35.07

AEVSTIHLQSPGR, MH+ 1428.8023, m/z 476.9389
H_OS_G33_P160811_220811-s1.03223.03223.3.dta

X-range: 0 - 0
MassTol: **Y-zoom:** 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



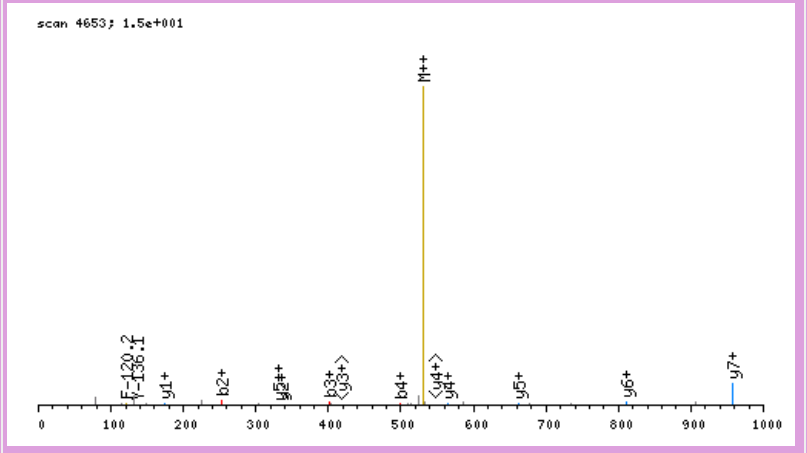
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
235.1506	2	E	12	1323.7021	662.3550
334.2190	3	V	11	1194.6595	597.8337
421.2510	4	S	10	1095.5911	548.2995
522.2987	5	T	9	1008.5591	504.7834
635.3828	6	I	8	907.5114	454.2596
772.4417	7	H	7	794.4273	397.7176
885.5258	8	L	6	657.3684	329.1881
1013.5843	9	Q	5	544.2843	272.6461
1100.6164	10	S	4	416.2258	208.6168
1197.6691	11	P	3	329.1937	165.1008
1254.6906	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

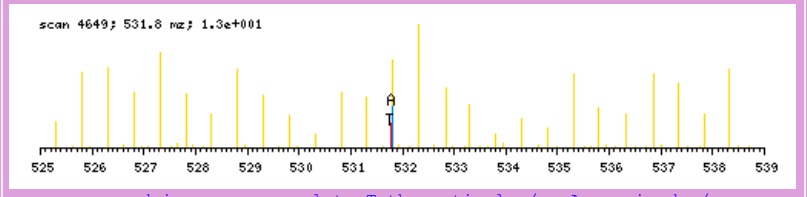
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AFFVQTCR, MH+ 1062.5618, m/z 531.7845
H OS G31 P160811 220811-s1.04653.04653.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



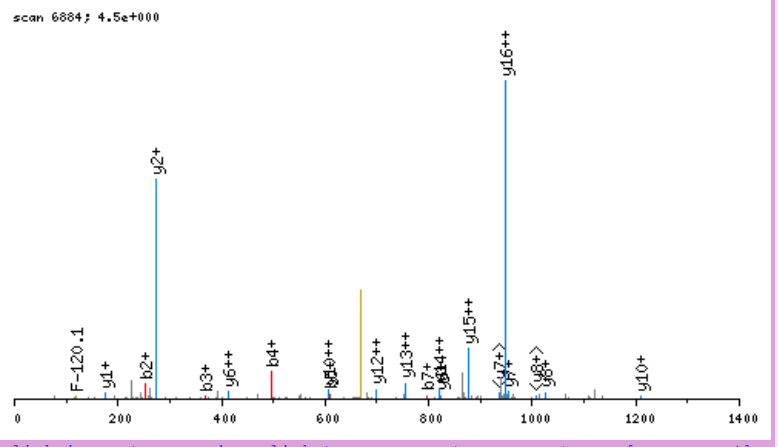
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	8		
253.1764	2	F	7	957.4616	479.2347
400.2448	3	F	6	810.3932	405.7005
499.3133	4	V	5	663.3248	332.1663
627.3718	5	Q	4	564.2564	282.6321
728.4195	6	T	3	436.1978	218.6028
888.4501	7	C	2	335.1501	168.0790
	8	R	1	175.1195	88.0637

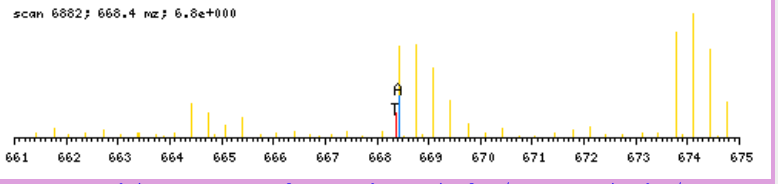
N-term:+35.07 C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AFNELGEALAECKLDVR, MH+ 2003.0908, m/z 668.3684
H OS G33 P160811 220811-s1.06884.06884.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



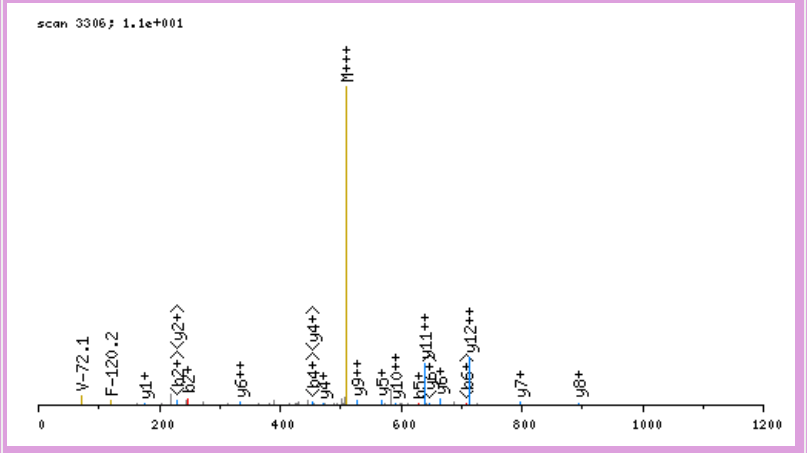
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
253.1764	2	F	16	1897.9906	**949.4992**
367.2194	3	N	15	1750.9221	**875.9650**
496.2619	4	E	14	1636.8792	**818.9435**
609.3460	5	L	13	1507.8366	**754.4222**
666.3675	6	G	12	1394.7526	**697.8802**
795.4101	7	E	11	1337.7311	669.3695
866.4472	8	A	10	**1208.6885**	**604.8482**
979.5312	9	L	9	1137.6514	569.3296
1050.5684	10	A	8	**1024.5673**	512.7876
1179.6110	11	E	7	**953.5302**	477.2690
1339.6416	12	C	6	**824.4876**	**412.7477**
1501.7997	13	K	5	664.4570	332.7324
1614.8837	14	L	4	502.2989	251.6534
1729.9107	15	D	3	389.2149	195.1113
1828.9791	16	V	2	**274.1879**	137.5979
	17	R	1	**175.1195**	88.0637

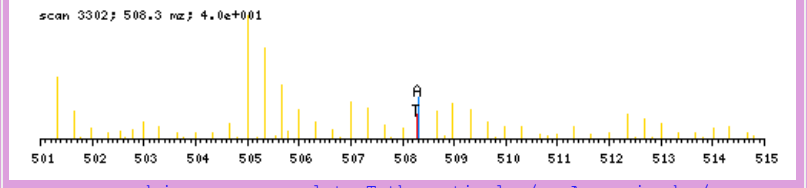
N-term:+35.07 C(12):+160.03
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AFPQKVMPPPQAR, MH+ 1522.8568, m/z 508.2905
L OS G33 P160811 220811-s1.03306.03306.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



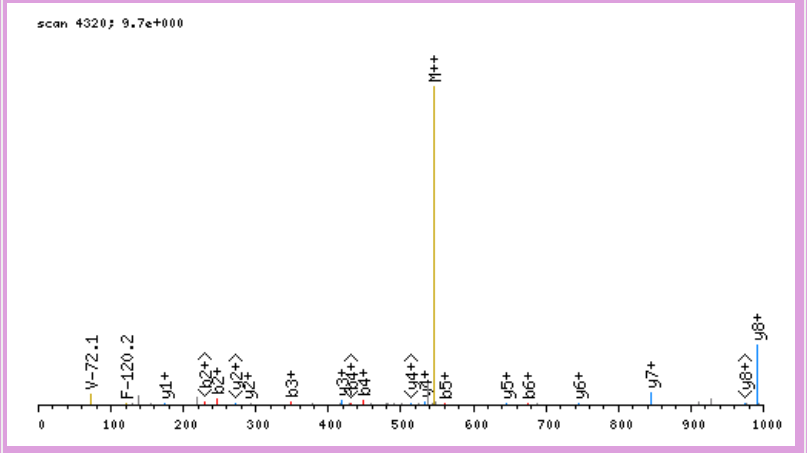
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
247.1446	2	F	12	1423.7884	712.3981
344.1974	3	P	11	1276.7200	638.8639
472.2560	4	Q	10	1179.6673	590.3375
628.3823	5	K	9	1051.6087	526.3083
727.4507	6	V	8	895.4824	448.2451
858.4912	7	M	7	796.4140	398.7109
955.5439	8	P	6	665.3735	333.1907
1052.5967	9	P	5	568.3207	284.6643
1149.6495	10	P	4	471.2680	236.1379
1277.7080	11	Q	3	374.2152	187.6115
1348.7452	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

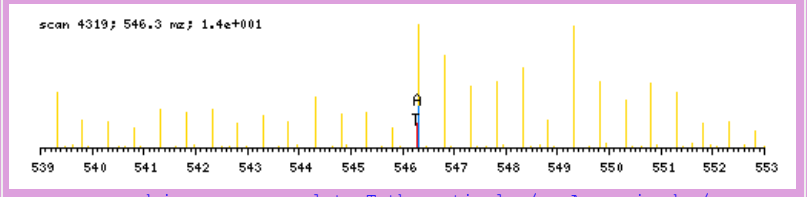
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AFTVIDQNR, MH+ 1091.5849, m/z 546.2961
L OS G31 P160811 220811-s1.04320.04320.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



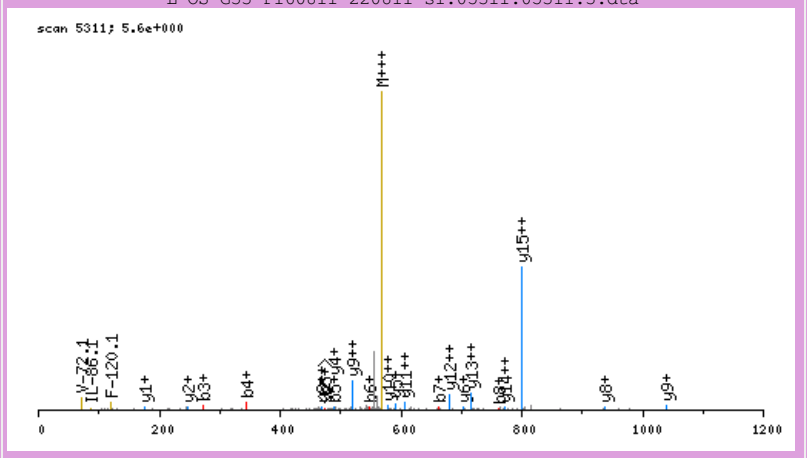
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	9		
247.1446	2	F	8	992.5165	496.7622
348.1923	3	T	7	845.4481	423.2280
447.2607	4	V	6	744.4004	372.7041
560.3448	5	I	5	645.3320	323.1699
675.3717	6	D	4	532.2479	266.6279
803.4303	7	Q	3	417.2210	209.1144
917.4732	8	N	2	289.1624	145.0851
	9	R	1	175.1195	88.0637

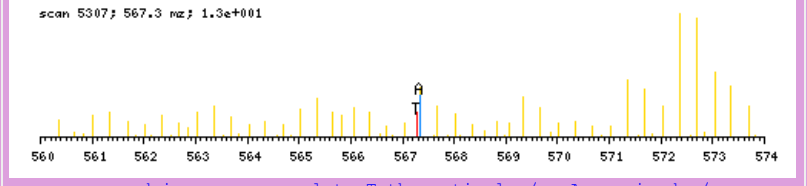
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGDAFGDTSFLTSKAR, MH+ 1699.8655, m/z 567.2934
L OS G33 P160811 220811-s1.05311.05311.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



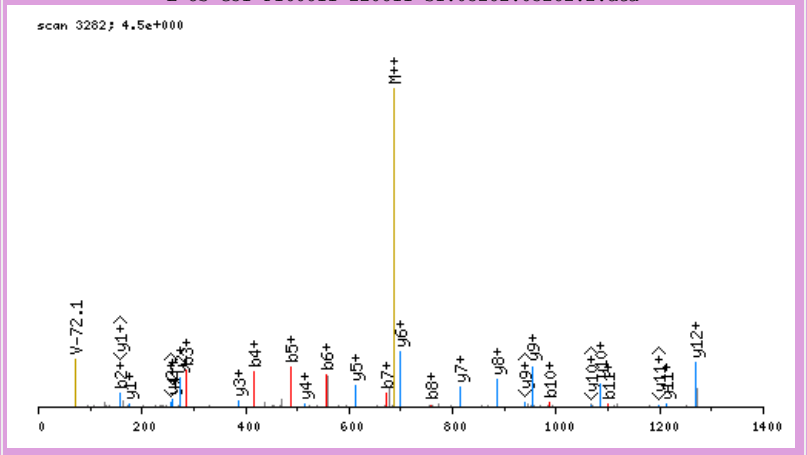
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
157.0977	2	G	15	1600.7971	**800.9025**
272.1246	3	D	14	1543.7757	**772.3918**
343.1617	4	A	13	1428.7487	**714.8783**
490.2301	5	F	12	1357.7116	**679.3597**
547.2516	6	G	11	1210.6432	**605.8255**
662.2786	7	D	10	1153.6217	**577.3148**
763.3262	8	T	9	**1038.5948**	**519.8013**
850.3583	9	S	8	**937.5471**	**469.2775**
997.4267	10	F	7	850.5151	425.7615
1110.5107	11	L	6	**703.4467**	352.2273
1211.5584	12	T	5	**590.3626**	295.6852
1298.5904	13	S	4	**489.3149**	245.1614
1454.7167	14	K	3	402.2829	201.6454
1525.7539	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

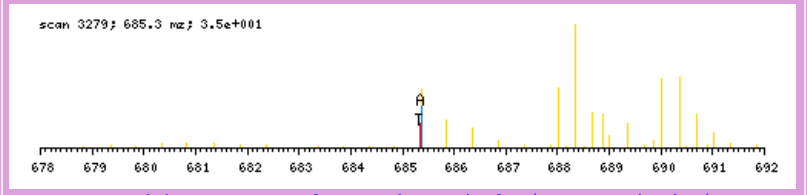
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGEEAADSPELPR, MH+ 1369.6599, m/z 685.3336
L OS G31 P160811 220811-s1.03282.03282.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



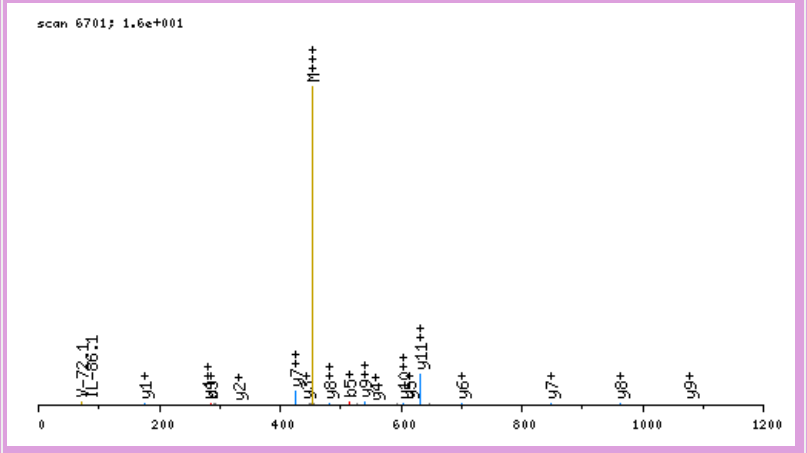
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
157.0977	2	G	12	1270.5915	635.7997
286.1403	3	E	11	1213.5701	607.2889
415.1829	4	E	10	1084.5275	542.7677
486.2200	5	A	9	955.4849	478.2464
557.2571	6	A	8	884.4478	442.7278
672.2840	7	D	7	813.4107	407.2092
759.3161	8	S	6	698.3837	349.6958
856.3688	9	P	5	611.3517	306.1798
985.4114	10	E	4	514.2989	257.6534
1098.4955	11	L	3	385.2563	193.1321
1195.5482	12	P	2	272.1723	136.5900
	13	R	1	175.1195	88.0637

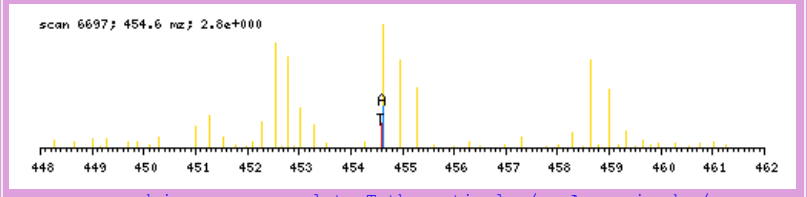
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGELDFSGLLKR, MH+ 1361.7793, m/z 454.5979
L OS G33 P160811 220811-s1.06701.06701.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



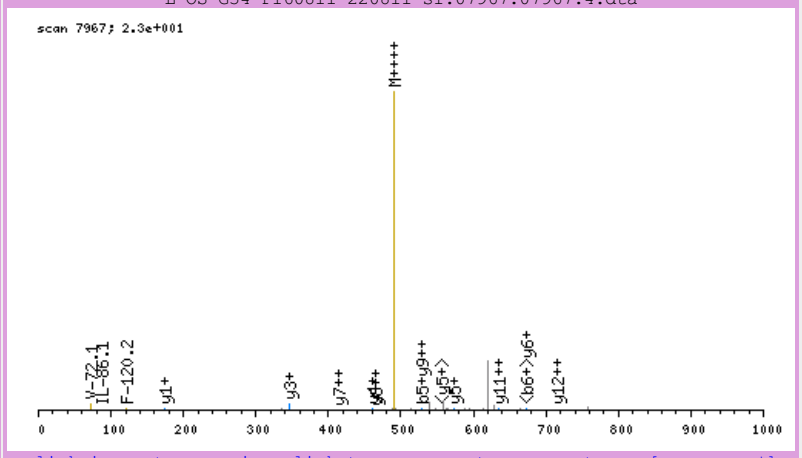
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
157.0977	2	G	11	1262.7109	631.8594
286.1403	3	E	10	1205.6894	603.3486
399.2243	4	L	9	1076.6468	538.8273
514.2513	5	D	8	963.5628	482.2853
661.3197	6	F	7	848.5358	424.7718
748.3517	7	S	6	701.4674	351.2376
805.3732	8	G	5	614.4354	307.7216
918.4572	9	L	4	557.4139	279.2109
1031.5413	10	L	3	444.3299	222.6688
1187.6676	11	K	2	331.2458	166.1268
	12	R	1	175.1195	88.0637

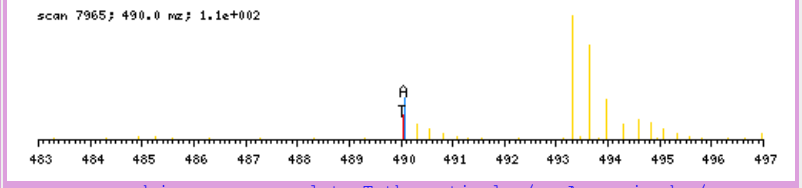
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AGESKCPLMVKVLDAVR, MH+ 1957.0979, m/z 490.0299
L OS G34 P160811 220811-s1.07967.07967.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



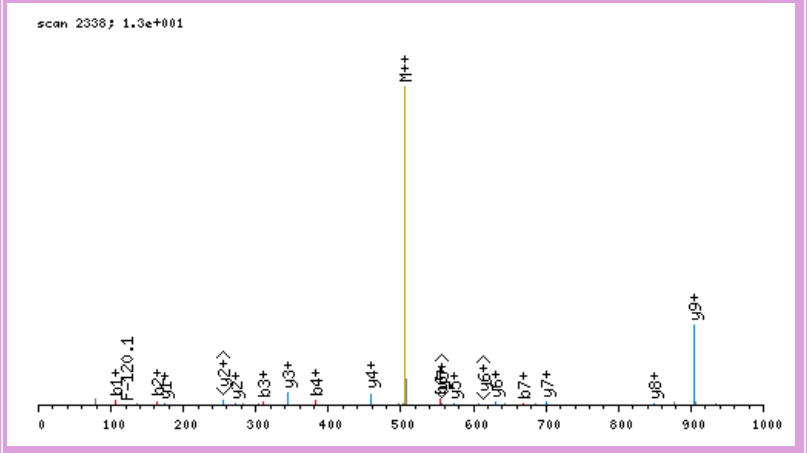
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
157.0977	2	G	16	1858.0295	929.5186
286.1403	3	E	15	1801.0080	901.0079
373.1723	4	S	14	1671.9654	836.4866
529.2986	5	K	13	1584.9334	792.9706
689.3292	6	C	12	1428.8071	**714.9075**
786.3820	7	P	11	1268.7765	**634.8922**
899.4660	8	L	10	1171.7237	586.3658
1030.5065	9	M	9	1058.6396	**529.8237**
1129.5749	10	V	8	927.5992	**464.3035**
1285.7012	11	K	7	828.5307	**414.7693**
1384.7696	12	V	6	**672.4044**	336.7061
1497.8537	13	L	5	**573.3360**	287.1719
1612.8806	14	D	4	**460.2520**	230.6299
1683.9178	15	A	3	**345.2250**	173.1164
1782.9862	16	V	2	274.1879	137.5979
	17	R	1	**175.1195**	88.0637

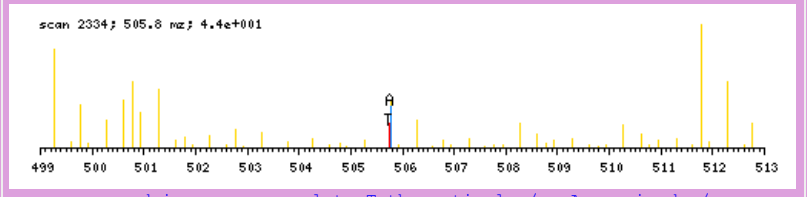
N-term:+29.04 K(5):+156.13
C(6):+160.03 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGFAGDDAPR, MH+ 1010.5119, m/z 505.7596
H OS G31 P160811 220811-s1.02338.02338.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



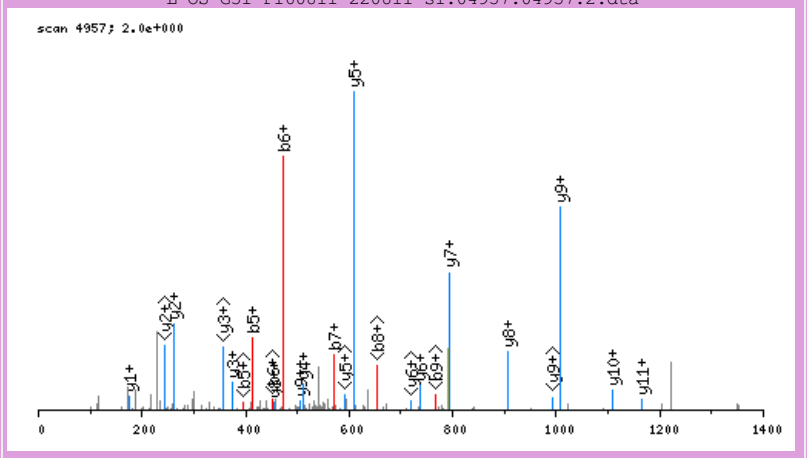
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
163.1295	2	G	9	905.4117	453.2098
310.1979	3	F	8	848.3903	424.6990
381.2350	4	A	7	701.3218	351.1648
438.2565	5	G	6	630.2847	315.6463
553.2834	6	D	5	573.2633	287.1355
668.3104	7	D	4	458.2363	229.6221
739.3475	8	A	3	343.2094	172.1086
836.4002	9	P	2	272.1723	136.5900
	10	R	1	175.1195	88.0637

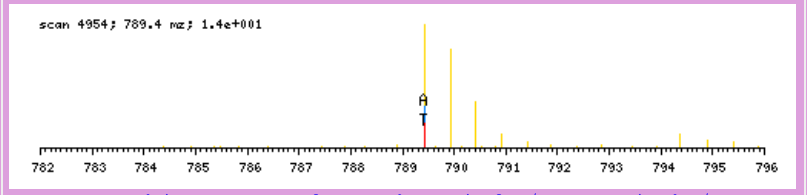
N-term:+35.07

AGGEAGVTLGQPHLSR, MH+ 1577.8400, m/z 789.4236
L OS G31 P160811 220811-s1.04957.04957.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
157.0977	2	G	15	1478.7716	739.8897
214.1191	3	G	14	1421.7501	711.3790
343.1617	4	E	13	1364.7286	682.8682
414.1988	5	A	12	1235.6860	618.3469
471.2203	6	G	11	**1164.6489**	582.8284
570.2887	7	V	10	**1107.6275**	554.3176
671.3364	8	T	9	**1008.5591**	**504.7834**
784.4205	9	L	8	**907.5114**	**454.2596**
841.4419	10	G	7	**794.4273**	397.7176
969.5005	11	Q	6	**737.4058**	369.2068
1066.5533	12	P	5	**609.3473**	305.1775
1203.6122	13	H	4	**512.2945**	256.6512
1316.6962	14	L	3	**375.2356**	188.1217
1403.7283	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

N-term:+29.04

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: ○AVG ◉MONO

Axis: ◉1 ○2

Label: ◉I ○M ○-

Ions:

a ☐+ ☐2+ ☐3+

b ☑+ ☐2+ ☐3+

c ☐+ ☐2+ ☐3+

x ☐+ ☐2+ ☐3+

y ☑+ ☑2+ ☐3+

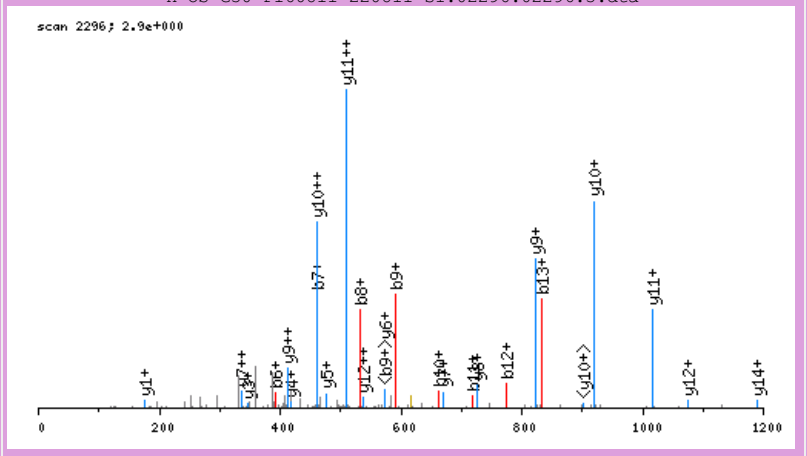
z ☐+ ☐2+ ☐3+

hide H_2O/NH_3 ☐

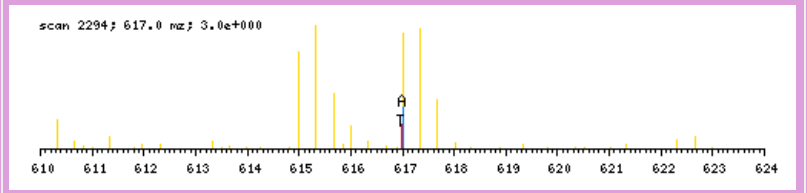
zoom 112-122 ☐

GO

AGGGGGAAGAGGGPPPGPPGAGDR, MH+ 1848.9165, m/z 616.9770
H_OS_G30_P160811_220811-s1.02296.02296.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



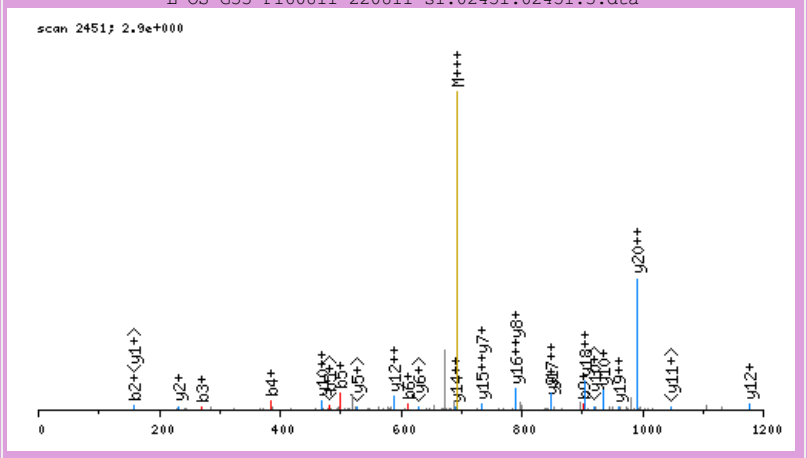
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	24		
163.1295	2	G	23	1743.8163	872.4121
220.1509	3	G	22	1686.7948	843.9013
277.1724	4	G	21	1629.7734	815.3906
334.1939	5	G	20	1572.7519	786.8799
391.2153	6	G	19	1515.7304	758.3691
462.2524	7	A	18	1458.7090	729.8584
533.2896	8	A	17	1387.6719	694.3398
590.3110	9	G	16	1316.6347	658.8213
661.3481	10	A	15	1259.6133	630.3105
718.3696	11	G	14	**1188.5762**	594.7920
775.3911	12	G	13	1131.5547	566.2813
832.4125	13	G	12	**1074.5332**	**537.7705**
929.4653	14	P	11	**1017.5118**	**509.2598**
1026.5181	15	P	10	**920.4590**	**460.7334**
1123.5708	16	P	9	**823.4062**	**412.2070**
1180.5923	17	G	8	**726.3535**	363.6807
1277.6450	18	P	7	**669.3320**	**335.1699**
1374.6978	19	P	6	**572.2792**	286.6435
1431.7193	20	G	5	**475.2265**	238.1172
1502.7564	21	A	4	**418.2050**	209.6064
1559.7779	22	G	3	**347.1679**	174.0879
1674.8048	23	D	2	290.1464	145.5771
	24	R	1	**175.1195**	88.0637

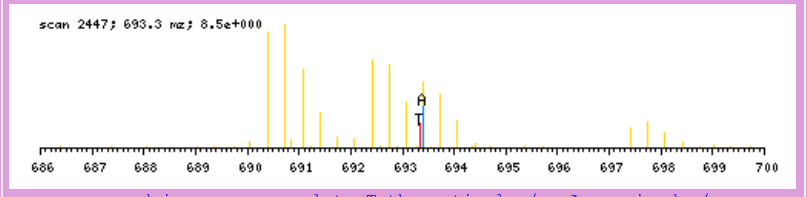
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGLDLNSSDNQSGGSTASKGR, MH+ 2078.0114, m/z 693.3420
L OS G33 P160811 220811-s1.02451.02451.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



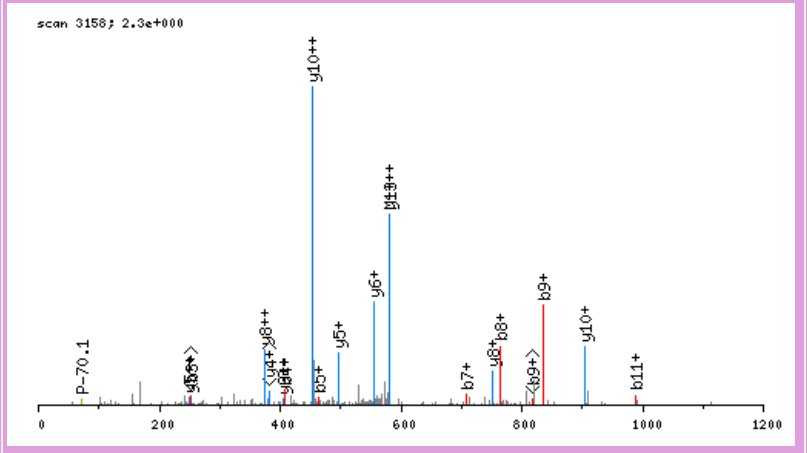
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
157.0977	2	G	20	1978.9430	**989.9754**
270.1817	3	L	19	1921.9216	**961.4647**
385.2087	4	D	18	1808.8375	**904.9227**
498.2927	5	L	17	1693.8106	**847.4092**
612.3357	6	N	16	1580.7265	**790.8672**
699.3677	7	S	15	1466.6836	**733.8457**
786.3997	8	S	14	1379.6515	**690.3297**
901.4267	9	D	13	1292.6195	646.8137
1015.4696	10	N	12	**1177.5926**	**589.3002**
1143.5282	11	Q	11	1063.5496	532.2787
1230.5602	12	S	10	**935.4911**	**468.2494**
1287.5817	13	G	9	**848.4590**	424.7334
1344.6031	14	G	8	**791.4376**	396.2227
1431.6352	15	S	7	**734.4161**	367.7120
1532.6828	16	T	6	647.3841	324.1960
1603.7200	17	A	5	546.3364	273.6721
1690.7520	18	S	4	475.2993	238.1536
1846.8783	19	K	3	388.2673	194.6375
1903.8997	20	G	2	**232.1410**	116.5744
	21	R	1	175.1195	88.0637

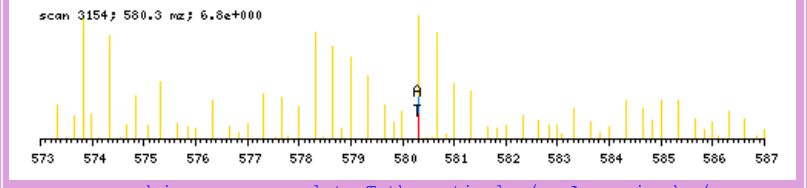
N-term:+29.04 K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGLHGDQGAPGPVGPAGPR, MH+ 1738.8989, m/z 580.3045
L OS G30 P160811 220811-s1.03158.03158.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



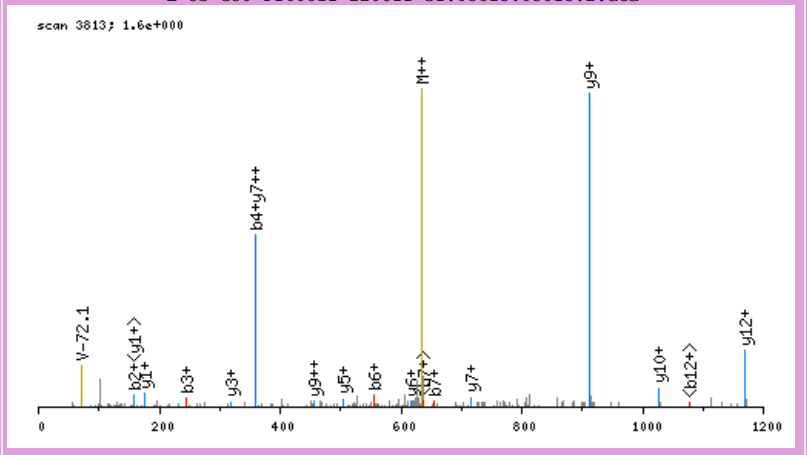
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
157.0977	2	G	18	1639.8305	820.4192
270.1817	3	L	17	1582.8090	791.9084
407.2407	4	H	16	1469.7249	735.3664
464.2621	5	G	15	1332.6660	666.8369
579.2891	6	D	14	1275.6446	638.3262
707.3476	7	Q	13	1160.6176	**580.8127**
764.3691	8	G	12	1032.5591	516.7834
835.4062	9	A	11	975.5376	488.2727
932.4590	10	P	10	**904.5005**	**452.7542**
989.4804	11	G	9	807.4477	**404.2278**
1086.5332	12	P	8	**750.4262**	**375.7170**
1185.6016	13	V	7	653.3735	327.1907
1242.6231	14	G	6	**554.3051**	277.6564
1339.6758	15	P	5	**497.2836**	**249.1457**
1410.7130	16	A	4	400.2308	200.6193
1467.7344	17	G	3	329.1937	165.1008
1564.7872	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

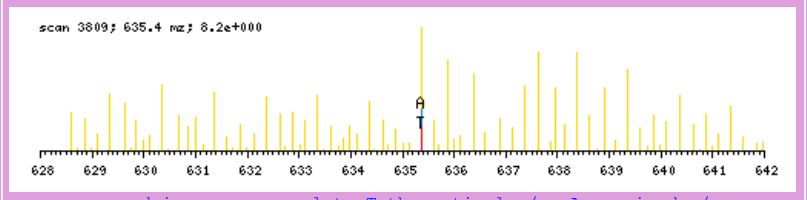
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGSDPVVIVSAAR, MH+ 1269.7167, m/z 635.3620
L OS G30 P160811 220811-s1.03813.03813.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



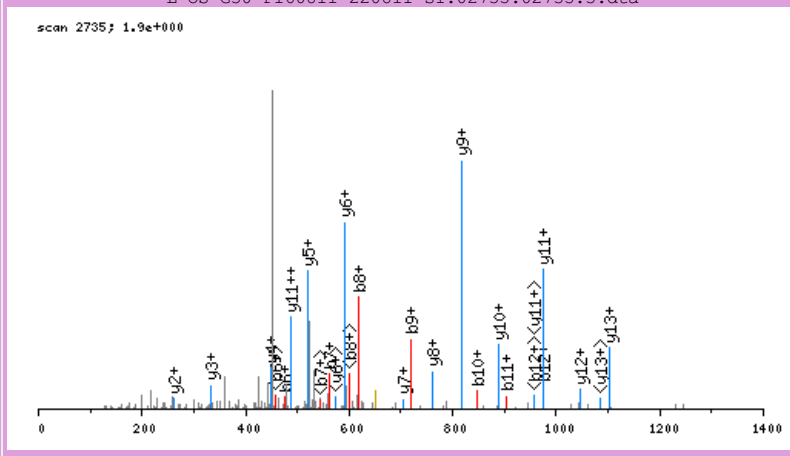
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
157.0977	2	G	12	1170.6483	585.8280
244.1297	3	S	11	1113.6268	557.3173
359.1566	4	D	10	1026.5948	513.8013
456.2094	5	P	9	911.5678	456.2878
555.2778	6	V	8	814.5151	407.7614
654.3462	7	V	7	715.4466	358.2272
767.4303	8	I	6	616.3782	308.6930
866.4987	9	V	5	503.2942	252.1510
953.5307	10	S	4	404.2258	202.6168
1024.5679	11	A	3	317.1937	159.1008
1095.6050	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

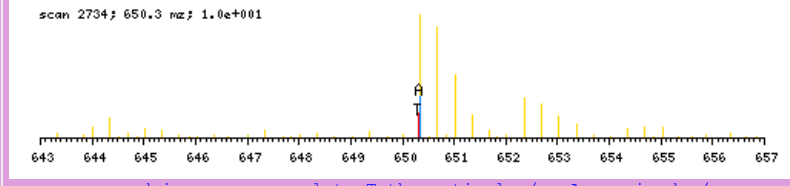
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGSSSGSGVQGASAGGLAADASR, MH+ 1948.9324, m/z 650.3157
L OS G30 P160811 220811-s1.02735.02735.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



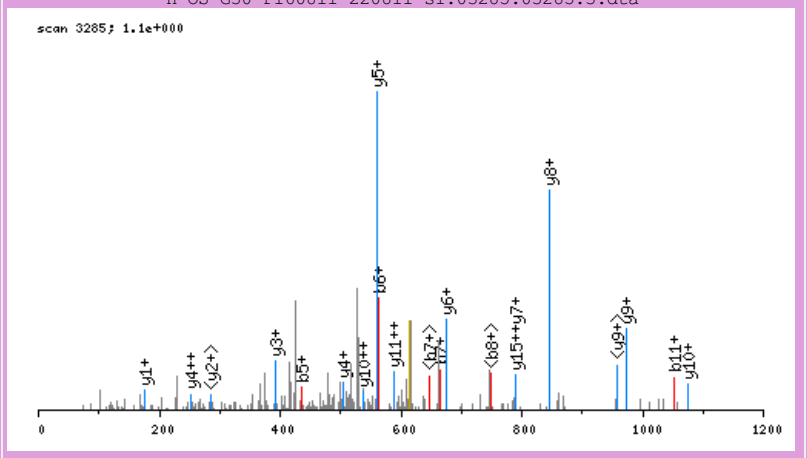
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	23		
157.0977	2	G	22	1849.8640	925.4359
244.1297	3	S	21	1792.8426	896.9252
331.1617	4	S	20	1705.8105	853.4092
418.1938	5	S	19	1618.7785	809.8932
475.2152	6	G	18	1531.7465	766.3771
562.2473	7	S	17	1474.7250	737.8664
619.2687	8	G	16	1387.6930	694.3504
718.3371	9	V	15	1330.6715	665.8397
846.3957	10	Q	14	1231.6031	616.3055
903.4172	11	G	13	1103.5445	552.2762
974.4543	12	A	12	1046.5231	523.7654
1061.4863	13	S	11	975.4859	488.2469
1132.5234	14	A	10	888.4539	444.7309
1189.5449	15	G	9	817.4168	409.2123
1246.5664	16	G	8	760.3953	380.7016
1359.6504	17	L	7	703.3739	352.1909
1430.6875	18	A	6	590.2898	295.6488
1501.7246	19	A	5	519.2527	260.1303
1616.7516	20	D	4	448.2156	224.6117
1687.7887	21	A	3	333.1886	167.0982
1774.8207	22	S	2	262.1515	131.5797
	23	R	1	175.1195	88.0637

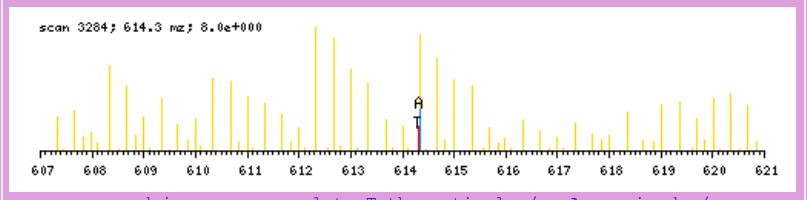
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGTNGETTTQGLDGLSER, MH+ 1840.9100, m/z 614.3082
H OS G30 P160811 220811-s1.03285.03285.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



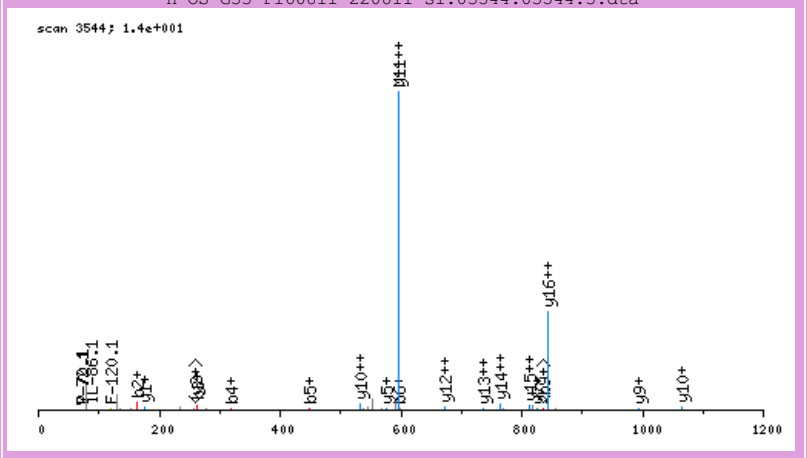
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
163.1295	2	G	17	1735.8099	868.4088
264.1772	3	T	16	1678.7884	839.8981
378.2201	4	N	15	1577.7407	**789.3743**
435.2415	5	G	14	1463.6978	732.3528
564.2841	6	E	13	1406.6763	703.8421
665.3318	7	T	12	1277.6337	639.3208
766.3795	8	T	11	1176.5861	**588.7969**
867.4272	9	T	10	**1075.5384**	**538.2731**
995.4858	10	Q	9	**974.4907**	487.7493
1052.5072	11	G	8	**846.4321**	423.7200
1165.5913	12	L	7	**789.4107**	395.2092
1280.6182	13	D	6	**676.3266**	338.6672
1337.6397	14	G	5	**561.2997**	281.1537
1450.7238	15	L	4	**504.2782**	**252.6430**
1537.7558	16	S	3	**391.1941**	196.1010
1666.7984	17	E	2	304.1621	152.5850
	18	R	1	**175.1195**	88.0637

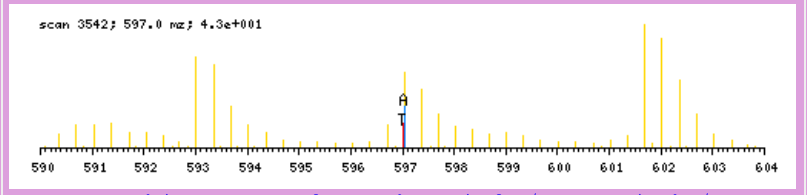
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGVGEFEAGISKNGQTR, MH+ 1788.9880, m/z 597.0009
H OS G33 P160811 220811-s1.03544.03544.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



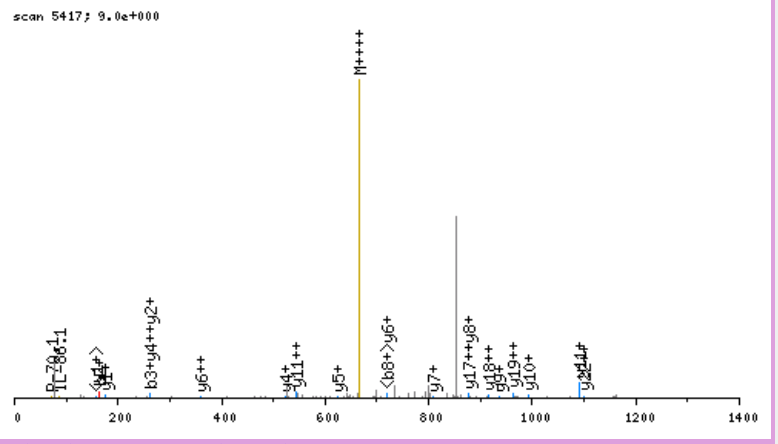
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
163.1295	2	G	16	1683.8879	**842.4478**
262.1979	3	V	15	1626.8664	**813.9371**
319.2194	4	G	14	1527.7980	**764.4029**
448.2619	5	E	13	1470.7765	**735.8922**
595.3304	6	F	12	1341.7339	**671.3709**
724.3730	7	E	11	1194.6655	**597.8367**
795.4101	8	A	10	**1065.6229**	**533.3154**
852.4315	9	G	9	**994.5858**	497.7968
965.5156	10	I	8	937.5643	469.2861
1052.5476	11	S	7	**824.4803**	412.7441
1214.7057	12	K	6	737.4482	369.2280
1328.7487	13	N	5	**575.2901**	288.1490
1385.7701	14	G	4	461.2472	231.1275
1513.8287	15	Q	3	404.2258	202.6168
1614.8764	16	T	2	276.1672	138.5875
	17	R	1	**175.1195**	88.0637

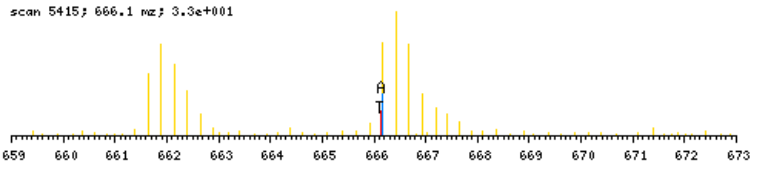
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGVSDGSEVAKAQKAAPGGASPTIFSR, MH+ 2661.5061, m/z 666.1320
H OS G34 P160811 220811-s1.05417.05417.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



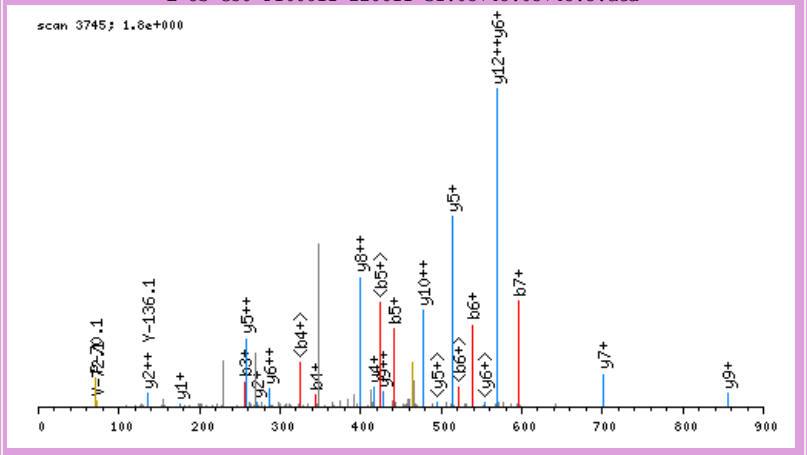
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	27		
163.1295	2	G	26	2556.4059	1278.7068
262.1979	3	V	25	2499.3844	1250.1961
349.2299	4	S	24	2400.3160	1200.6619
464.2569	5	D	23	2313.2840	1157.1459
521.2783	6	G	22	2198.2570	**1099.6324**
608.3104	7	S	21	2141.2356	1071.1217
737.3529	8	E	20	2054.2035	1027.6057
836.4214	9	V	19	1925.1609	**963.0844**
907.4585	10	A	18	1826.0925	**913.5502**
1069.6166	11	K	17	1755.0554	**878.0316**
1140.6537	12	A	16	1592.8973	796.9526
1268.7123	13	Q	15	1521.8602	761.4340
1430.8704	14	K	14	1393.8016	697.4047
1501.9075	15	A	13	1231.6435	616.3257
1572.9446	16	A	12	1160.6064	580.8071
1669.9974	17	P	11	**1089.5693**	**545.2886**
1727.0188	18	G	10	**992.5165**	496.7622
1784.0403	19	G	9	**935.4951**	468.2514
1855.0774	20	A	8	**878.4736**	439.7407
1942.1094	21	S	7	**807.4365**	404.2222
2039.1622	22	P	6	**720.4044**	**360.7061**
2140.2099	23	T	5	**623.3517**	312.1798
2253.2939	24	I	4	**522.3040**	**261.6559**
2400.3623	25	F	3	409.2199	205.1139
2487.3944	26	S	2	**262.1515**	131.5797
	27	R	1	**175.1195**	88.0637

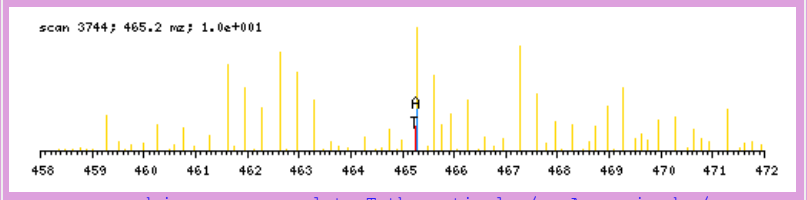
N-term:+35.07 K(11):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGVSVPGPMGPSGPR, MH+ 1393.7262, m/z 465.2469
L OS G30 P160811 220811-s1.03745.03745.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



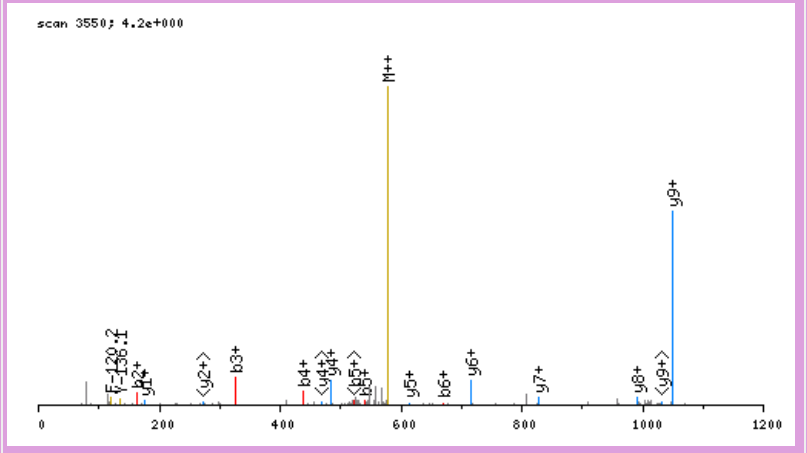
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
157.0977	2	G	14	1294.6578	647.8328
256.1661	3	V	13	1237.6363	619.3221
343.1981	4	S	12	1138.5679	**569.7879**
442.2665	5	V	11	1051.5359	526.2718
539.3193	6	P	10	952.4675	**476.7376**
596.3408	7	G	9	**855.4147**	**428.2113**
693.3935	8	P	8	798.3932	**399.7005**
824.4340	9	M	7	**701.3405**	351.1741
881.4555	10	G	6	**570.3000**	**285.6539**
978.5082	11	P	5	**513.2785**	**257.1432**
1065.5403	12	S	4	**416.2258**	208.6168
1122.5617	13	G	3	329.1937	165.1008
1219.6145	14	P	2	**272.1723**	**136.5900**
	15	R	1	**175.1195**	88.0637

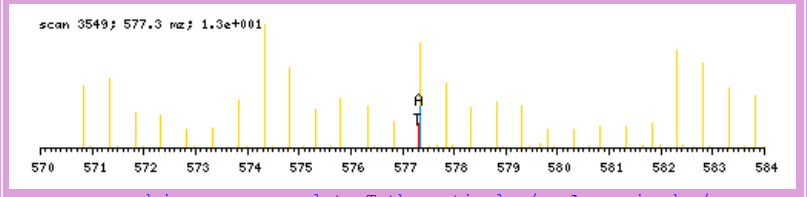
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AGYLTEPVNR, MH+ 1153.6429, m/z 577.3251
H OS G31 P160811 220811-s1.03550.03550.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



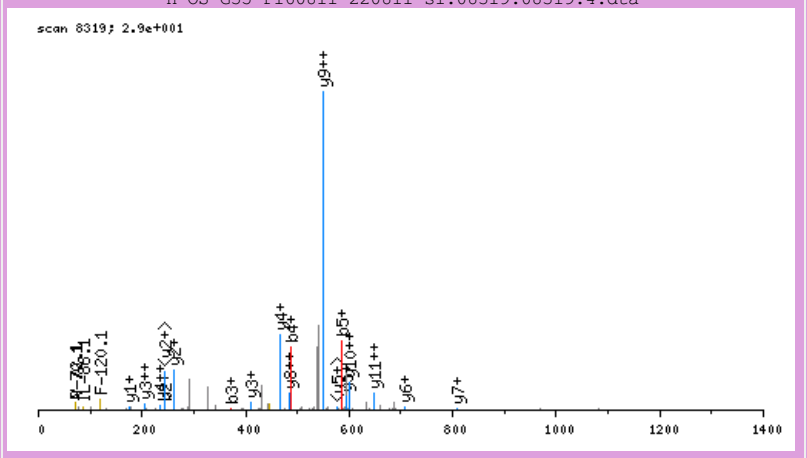
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
163.1295	2	G	9	1048.5427	524.7753
326.1928	3	Y	8	991.5213	496.2645
439.2769	4	L	7	828.4579	414.7329
540.3245	5	T	6	715.3739	358.1909
669.3671	6	E	5	614.3262	307.6670
766.4199	7	P	4	485.2836	243.1457
865.4883	8	V	3	388.2308	194.6193
979.5312	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

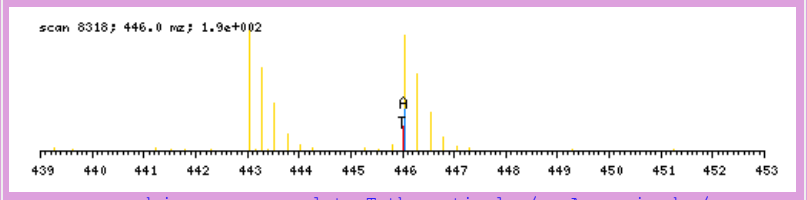
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AHEDPVEKVIEGFSR, MH+ 1780.9870, m/z 446.0022
H OS G35 P160811 220811-s1.08319.08319.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



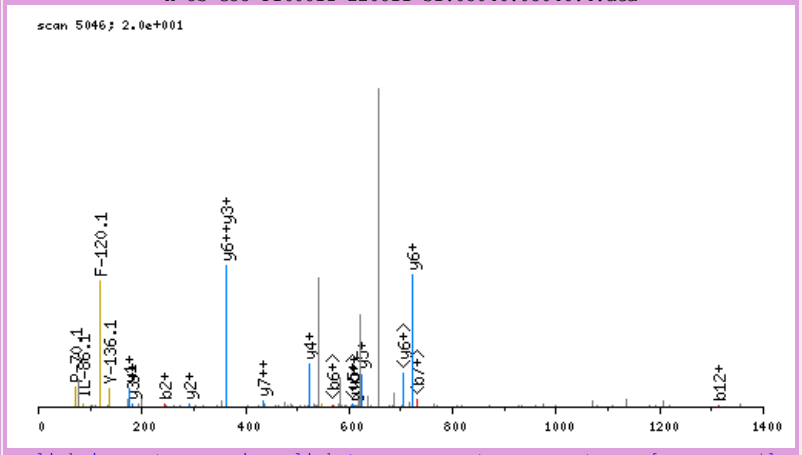
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
243.1669	2	H	14	1675.8868	838.4473
372.2095	3	E	13	1538.8279	769.9179
487.2365	4	D	12	1409.7853	705.3966
584.2892	5	P	11	1294.7583	**647.8831**
683.3576	6	V	10	1197.7056	**599.3567**
812.4002	7	E	9	1098.6372	**549.8225**
974.5583	8	K	8	969.5946	**485.3012**
1073.6267	9	V	7	**807.4365**	404.2222
1186.7108	10	I	6	**708.3681**	354.6879
1315.7534	11	E	5	**595.2840**	298.1459
1372.7749	12	G	4	**466.2414**	**233.6246**
1519.8433	13	F	3	**409.2199**	**205.1139**
1606.8753	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

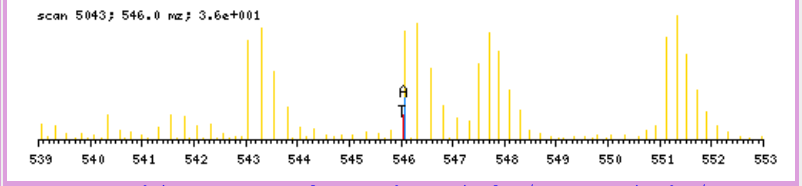
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AHGSVVKSEDYAFPTYADR, MH+ 2181.1253, m/z 546.0368
H OS G35 P160811 220811-s1.05046.05046.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



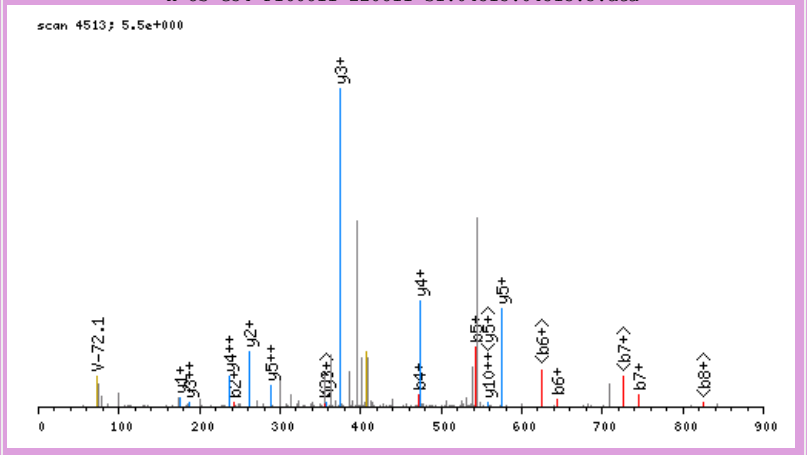
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
243.1669	2	H	18	2076.0251	1038.5165
300.1884	3	G	17	1938.9662	969.9870
387.2204	4	S	16	1881.9447	941.4763
486.2888	5	V	15	1794.9127	897.9603
585.3572	6	V	14	1695.8443	848.4260
747.5153	7	K	13	1596.7758	798.8918
834.5474	8	S	12	1434.6177	717.8128
963.5900	9	E	11	1347.5857	674.2968
1078.6169	10	D	10	1218.5431	**609.7755**
1241.6802	11	Y	9	1103.5162	552.2620
1312.7174	12	A	8	940.4529	470.7303
1459.7858	13	F	7	869.4157	**435.2118**
1556.8385	14	P	6	**722.3473**	**361.6776**
1657.8862	15	T	5	**625.2946**	313.1512
1820.9495	16	Y	4	**524.2469**	262.6274
1891.9867	17	A	3	**361.1836**	**181.0957**
2007.0136	18	D	2	**290.1464**	145.5771
	19	R	1	**175.1195**	88.0637

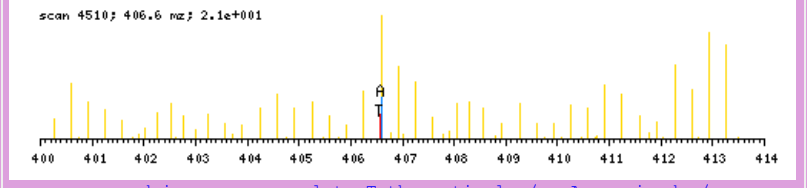
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AHLDATTVLSR, MH+ 1217.7066, m/z 406.5737
H OS G34 P160811 220811-s1.04513.04513.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



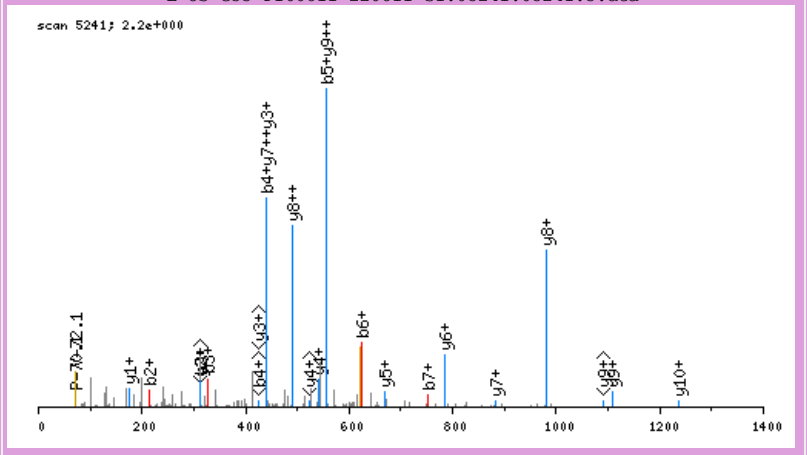
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
243.1669	2	H	10	1112.6064	556.8071
356.2510	3	L	9	975.5475	488.2777
471.2779	4	D	8	862.4634	431.7356
542.3150	5	A	7	747.4365	374.2222
643.3627	6	T	6	676.3994	338.7036
744.4104	7	T	5	575.3517	288.1798
843.4788	8	V	4	474.3040	237.6559
956.5629	9	L	3	375.2356	188.1217
1043.5949	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

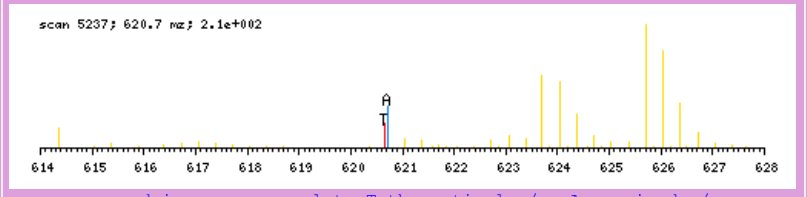
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AIDLIAQQPVNEVEHR, MH+ 1859.9979, m/z 620.6708
L OS G33 P160811 220811-s1.05241.05241.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



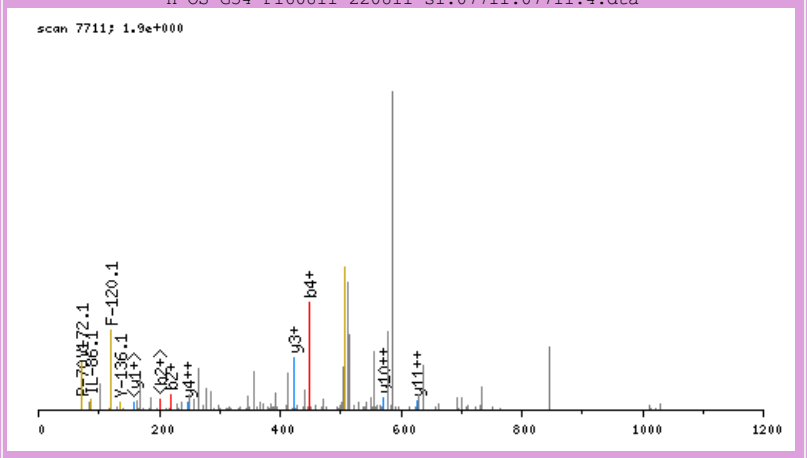
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
213.1603	2	I	15	1760.9295	880.9687
328.1872	3	D	14	1647.8455	824.4266
441.2713	4	L	13	1532.8185	766.9132
554.3553	5	I	12	1419.7345	710.3711
625.3925	6	A	11	1306.6504	653.8291
753.4510	7	Q	10	1235.6133	618.3105
881.5096	8	Q	9	1107.5547	554.2813
978.5624	9	P	8	979.4961	490.2520
1077.6308	10	V	7	882.4434	441.7256
1191.6737	11	N	6	783.3749	392.1914
1320.7163	12	E	5	669.3320	335.1699
1419.7847	13	V	4	540.2894	270.6486
1548.8273	14	E	3	441.2210	221.1144
1685.8862	15	H	2	312.1784	156.5931
	16	R	1	175.1195	88.0637

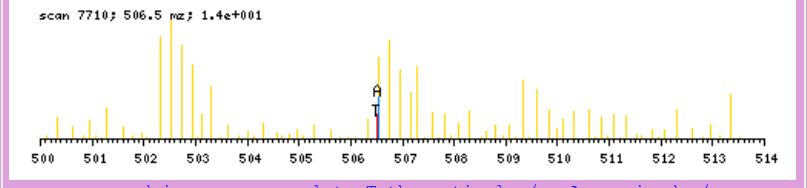
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AIETSAKDSSNVEEAFTR, MH+ 2023.0620, m/z 506.5210
H OS G34 P160811 220811-s1.07711.07711.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



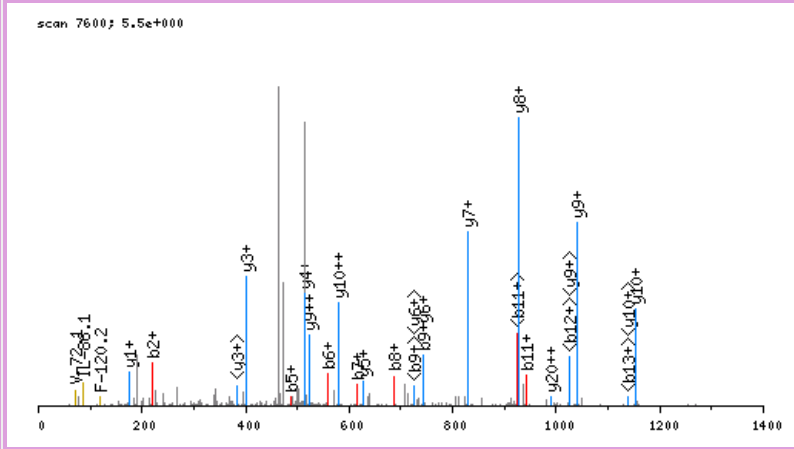
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
219.1921	2	I	17	1917.9618	959.4848
348.2347	3	E	16	1804.8777	902.9428
449.2823	4	T	15	1675.8352	838.4215
536.3144	5	S	14	1574.7875	787.8977
607.3515	6	A	13	1487.7554	744.3816
769.5096	7	K	12	1416.7183	708.8631
884.5365	8	D	11	1254.5602	**627.7840**
971.5686	9	S	10	1139.5333	**570.2706**
1058.6006	10	S	9	1052.5013	526.7545
1172.6435	11	N	8	965.4692	483.2385
1271.7119	12	V	7	851.4263	426.2171
1400.7545	13	E	6	752.3579	376.6829
1529.7971	14	E	5	623.3153	312.1616
1600.8342	15	A	4	494.2727	**247.6403**
1747.9026	16	F	3	**423.2356**	212.1217
1848.9503	17	T	2	276.1672	138.5875
	18	R	1	175.1195	88.0637

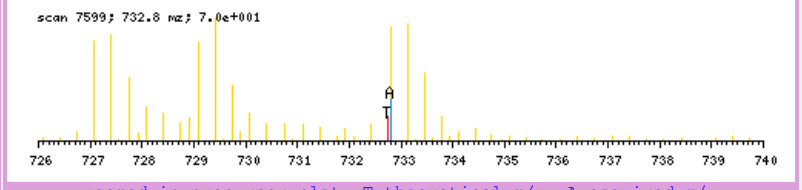
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AIPGLAGAGNSVLLVSNLNPER, MH+ 2196.2564, m/z 732.7570
H OS G30 P160811 220811-s1.07600.07600.3.dta



click image to zoom in; click top corners to zoom out [precursor]



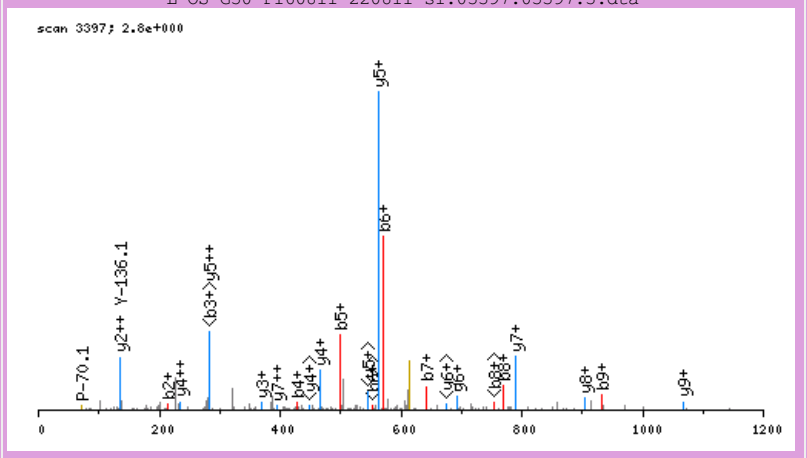
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	22		
219.1921	2	I	21	2091.1562	1046.0820
316.2448	3	P	20	1978.0722	**989.5400**
373.2663	4	G	19	1881.0194	941.0136
486.3504	5	L	18	1823.9979	912.5029
557.3875	6	A	17	1710.9139	855.9608
614.4089	7	G	16	1639.8768	820.4423
685.4461	8	A	15	1582.8553	791.9316
742.4675	9	G	14	1511.8182	756.4130
856.5105	10	N	13	1454.7967	727.9023
943.5425	11	S	12	1340.7538	670.8808
1042.6109	12	V	11	1253.7218	627.3648
1155.6950	13	L	10	**1154.6533**	**577.8306**
1268.7790	14	L	9	**1041.5693**	**521.2886**
1367.8474	15	V	8	**928.4852**	464.7465
1454.8795	16	S	7	**829.4168**	415.2123
1568.9224	17	N	6	**742.3848**	371.6963
1682.0065	18	L	5	**628.3418**	314.6748
1796.0494	19	N	4	**515.2578**	258.1328
1893.1021	20	P	3	**401.2149**	201.1113
2022.1447	21	E	2	304.1621	152.5850
	22	R	1	**175.1195**	88.0637

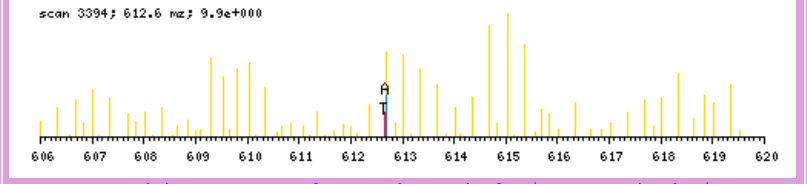
N-term:+35.07

AISEAAAQYNPEPPPPR, MH+ 1835.9292, m/z 612.6479
L OS G30 P160811 220811-s1.03397.03397.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



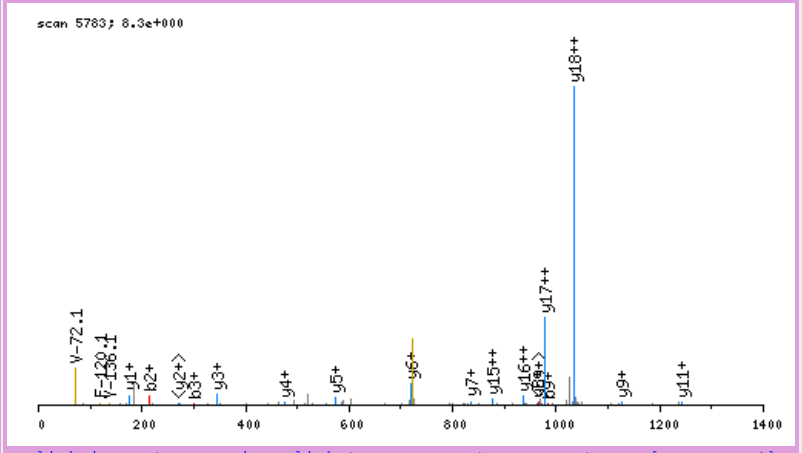
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
213.1603	2	I	16	1736.8608	868.9343
300.1923	3	S	15	1623.7767	812.3923
429.2349	4	E	14	1536.7447	768.8763
500.2720	5	A	13	1407.7021	704.3550
571.3091	6	A	12	1336.6650	668.8364
642.3462	7	A	11	1265.6279	633.3178
770.4048	8	Q	10	1194.5907	597.7993
933.4681	9	Y	9	**1066.5322**	533.7700
1047.5111	10	N	8	**903.4688**	452.2383
1144.5638	11	P	7	**789.4259**	**395.2169**
1273.6064	12	E	6	**692.3731**	346.6905
1370.6592	13	P	5	**563.3306**	**282.1692**
1467.7120	14	P	4	**466.2778**	**233.6428**
1564.7647	15	P	3	**369.2250**	185.1164
1661.8175	16	P	2	272.1723	**136.5900**
	17	R	1	175.1195	88.0637

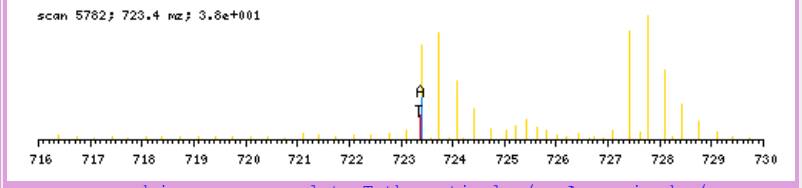
N-term:+29.04

AISNNKDQGGYEDFVEGLR, MH+ 2168.0624, m/z 723.3590
L OS G33 P160811 220811-s1.05783.05783.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



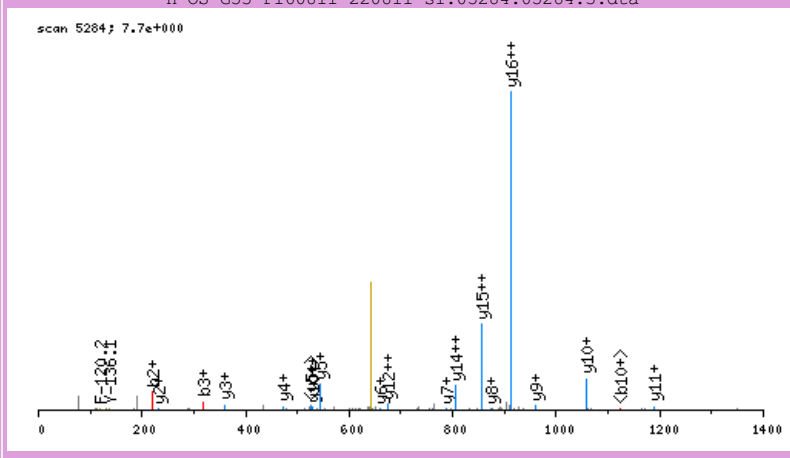
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
213.1603	2	I	18	2068.9940	**1035.0009**
300.1923	3	S	17	1955.9099	**978.4589**
414.2352	4	N	16	1868.8779	**934.9429**
528.2782	5	N	15	1754.8350	**877.9214**
684.4045	6	K	14	1640.7921	820.8999
799.4314	7	D	13	1484.6658	742.8368
927.4900	8	Q	12	1369.6388	685.3233
984.5114	9	G	11	**1241.5802**	621.2940
1041.5329	10	G	10	1184.5588	592.7833
1204.5962	11	Y	9	**1127.5373**	564.2726
1333.6388	12	E	8	**964.4740**	482.7409
1448.6658	13	D	7	**835.4314**	418.2196
1595.7342	14	F	6	**720.4044**	360.7061
1694.8026	15	V	5	**573.3360**	287.1719
1823.8452	16	E	4	**474.2676**	237.6377
1880.8667	17	G	3	**345.2250**	173.1164
1993.9507	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

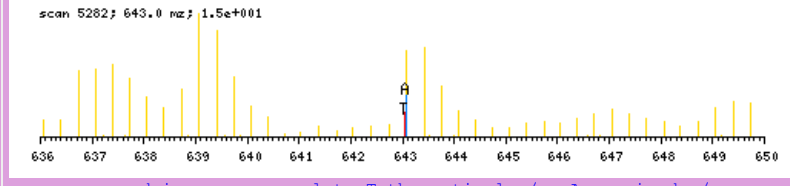
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AIVFIKEPSSQDALQGR, MH+ 1927.1289, m/z 643.0478
H OS G33 P160811 220811-s1.05284.05284.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



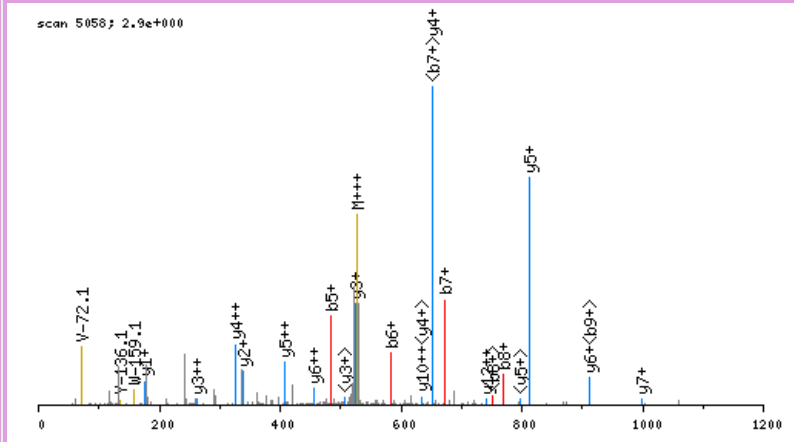
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
219.1921	2	I	16	1822.0287	911.5183
318.2605	3	V	15	1708.9446	854.9762
465.3289	4	F	14	1609.8762	805.4420
578.4130	5	I	13	1462.8078	731.9078
740.5711	6	K	12	1349.7238	675.3658
869.6137	7	E	11	1187.5657	594.2867
966.6664	8	P	10	1058.5231	529.7654
1053.6985	9	S	9	961.4703	481.2391
1140.7305	10	S	8	874.4383	437.7230
1268.7891	11	Q	7	787.4062	394.2070
1383.8160	12	D	6	659.3477	330.1777
1454.8531	13	A	5	544.3207	272.6643
1567.9372	14	L	4	473.2836	237.1457
1695.9958	15	Q	3	360.1995	180.6037
1753.0172	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

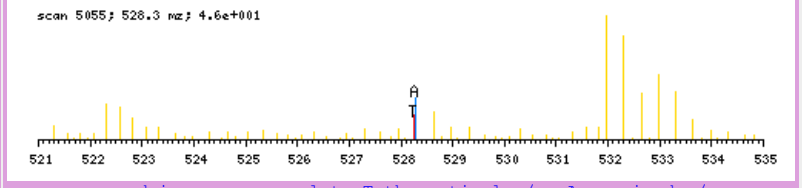
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AKGGDVSVCEWYR, MH+ 1582.7688, m/z 528.2611
L OS G34 P160811 220811-s1.05058.05058.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



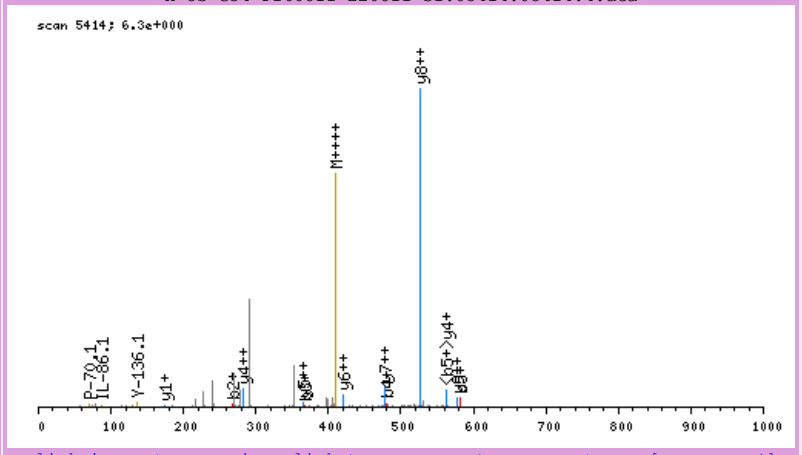
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
256.2025	2	K	12	1483.7004	**742.3541**
313.2240	3	G	11	1327.5741	664.2909
370.2454	4	G	10	1270.5526	**635.7802**
485.2724	5	D	9	1213.5311	607.2695
584.3408	6	V	8	1098.5042	549.7560
671.3728	7	S	7	**999.4358**	500.2218
770.4412	8	V	6	**912.4037**	**456.7058**
930.4718	9	C	5	**813.3353**	**407.1716**
1059.5144	10	E	4	**653.3047**	**327.1563**
1245.5937	11	W	3	**524.2621**	**262.6350**
1408.6571	12	Y	2	**338.1828**	169.5953
	13	R	1	**175.1195**	88.0637

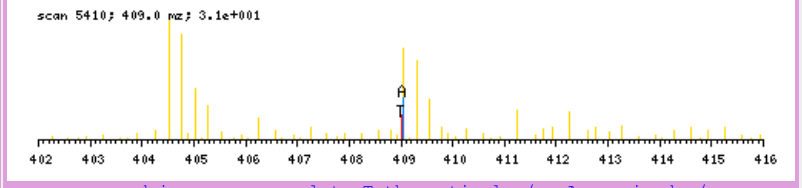
N-term:+29.04 K(2):+156.13
C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AKVLTPDLYNKLR, MH+ 1633.0901, m/z 409.0280
H OS G34 P160811 220811-s1.05414.05414.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



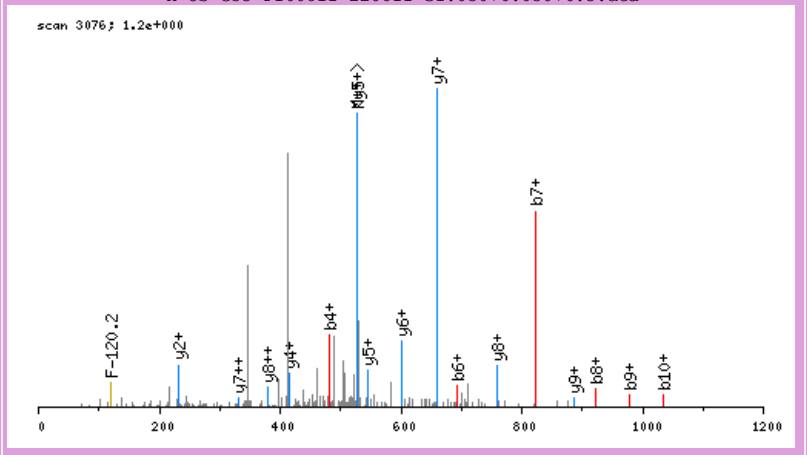
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
268.2661	2	K	12	1527.9899	764.4989
367.3345	3	V	11	1365.8318	683.4198
480.4186	4	L	10	1266.7634	633.8856
581.4663	5	T	9	1153.6794	**577.3436**
678.5190	6	P	8	1052.6317	**526.8198**
793.5460	7	D	7	955.5789	**478.2934**
906.6300	8	L	6	840.5520	**420.7799**
1069.6934	9	Y	5	727.4679	**364.2379**
1183.7363	10	N	4	**564.4046**	**282.7062**
1345.8944	11	K	3	450.3617	225.6847
1458.9785	12	L	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

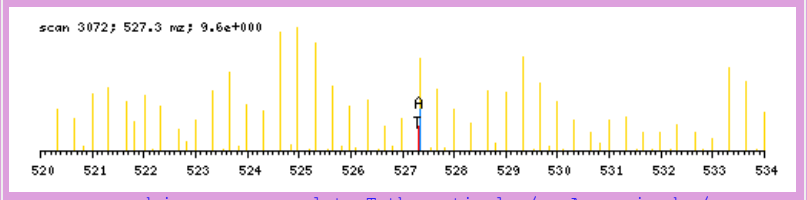
N-term:+35.07 K(2):+162.16
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AKVNPDEVGGEALGR, MH+ 1579.9080, m/z 527.3075
H OS G33 P160811 220811-s1.03076.03076.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



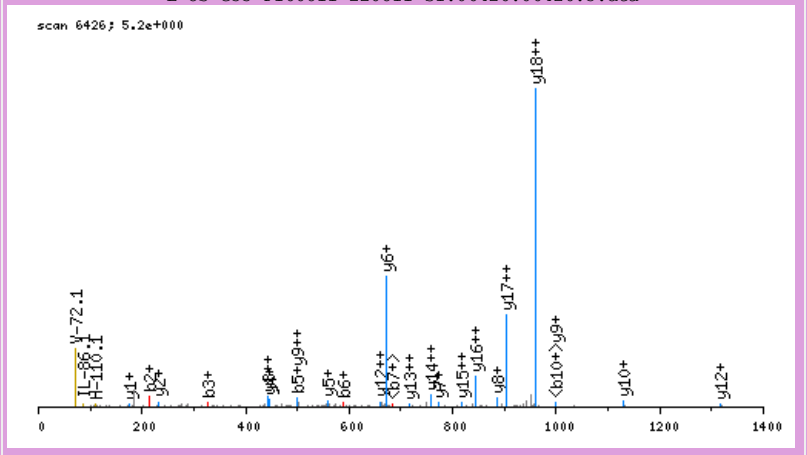
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
268.2661	2	K	14	1474.8078	737.9078
367.3345	3	V	13	1312.6497	656.8288
481.3775	4	N	12	1213.5813	607.2946
578.4302	5	P	11	1099.5384	550.2731
693.4572	6	D	10	1002.4856	501.7467
822.4998	7	E	9	**887.4587**	444.2332
921.5682	8	V	8	**758.4161**	**379.7120**
978.5896	9	G	7	**659.3477**	**330.1777**
1035.6111	10	G	6	**602.3262**	301.6670
1164.6537	11	E	5	**545.3047**	273.1563
1235.6908	12	A	4	**416.2621**	208.6350
1348.7749	13	L	3	345.2250	173.1164
1405.7963	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

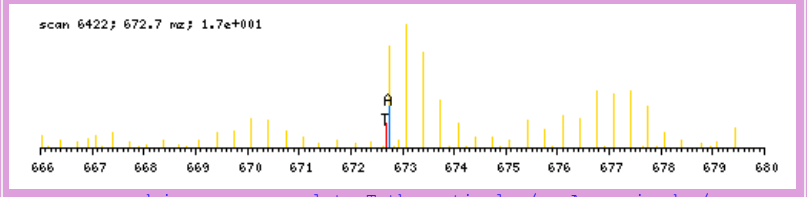
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALDGDSLSTEDLVNLGKGR, MH+ 2016.0613, m/z 672.6920
L OS G33 P160811 220811-s1.06426.06426.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
213.1603	2	L	18	1916.9929	959.0004
328.1872	3	D	17	1803.9089	902.4584
385.2087	4	G	16	1688.8819	844.9449
500.2356	5	D	15	1631.8605	816.4342
587.2677	6	S	14	1516.8335	758.9207
700.3517	7	L	13	1429.8015	715.4047
787.3837	8	S	12	1316.7174	658.8626
888.4314	9	T	11	1229.6854	615.3466
1017.4740	10	E	10	1128.6377	564.8228
1132.5010	11	D	9	999.5951	500.3015
1245.5850	12	L	8	884.5682	442.7880
1344.6534	13	V	7	771.4841	386.2460
1458.6964	14	N	6	672.4157	336.7118
1571.7804	15	L	5	558.3728	279.6903
1628.8019	16	G	4	445.2887	223.1483
1784.9282	17	K	3	388.2673	194.6375
1841.9497	18	G	2	232.1410	116.5744
	19	R	1	175.1195	88.0637

N-term:+29.04 K(17):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [ ]+ [ ]2+ [ ]3+

b [x]+ [ ]2+ [ ]3+

c [ ]+ [ ]2+ [ ]3+

x [ ]+ [ ]2+ [ ]3+

y [x]+ [x]2+ [ ]3+

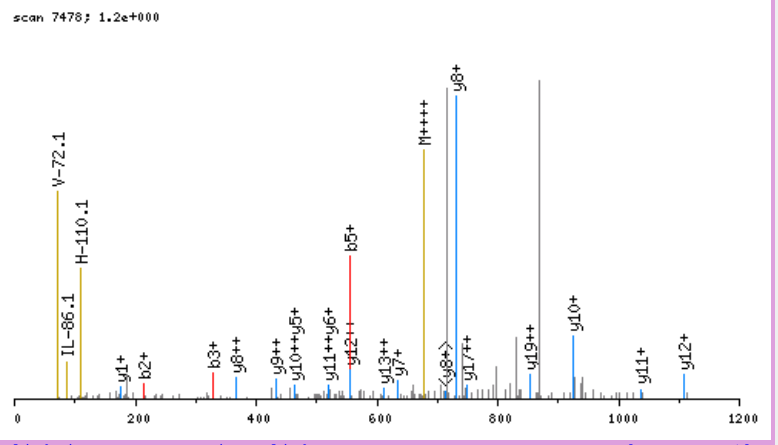
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

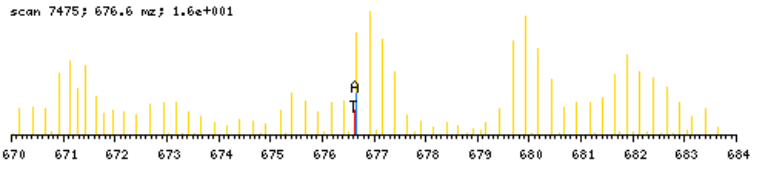
zoom 112-122 [ ]

GO

ALDLDPSKTNVSGGAIALGHPLGGSGSR, MH+ 2703.4430, m/z 676.6162
L_OS_G34_P160811_220811-s1.07478.07478.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



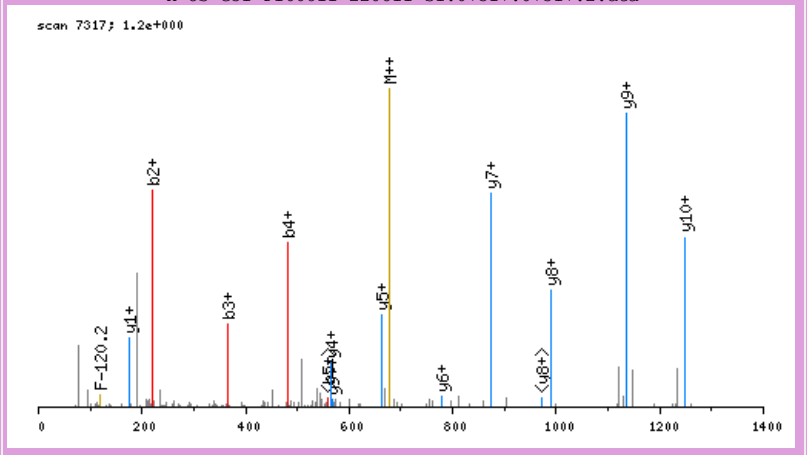
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	28		
213.1603	2	L	27	2604.3746	1302.6912
328.1872	3	D	26	2491.2905	1246.1492
441.2713	4	L	25	2376.2636	1188.6357
556.2982	5	D	24	2263.1795	1132.0937
653.3510	6	P	23	2148.1526	1074.5802
740.3830	7	S	22	2051.0998	1026.0538
896.5093	8	K	21	1964.0678	982.5378
997.5570	9	T	20	1807.9415	904.4747
1111.5999	10	N	19	1706.8938	**853.9508**
1210.6683	11	V	18	1592.8509	796.9294
1297.7004	12	S	17	1493.7825	**747.3951**
1354.7218	13	G	16	1406.7504	703.8791
1411.7433	14	G	15	1349.7290	675.3684
1482.7804	15	A	14	1292.7075	646.8577
1595.8645	16	I	13	1221.6704	**611.3391**
1666.9016	17	A	12	**1108.5863**	**554.7971**
1779.9857	18	L	11	**1037.5492**	**519.2785**
1837.0071	19	G	10	**924.4652**	**462.7365**
1974.0660	20	H	9	867.4437	**434.2258**
2071.1188	21	P	8	**730.3848**	**365.6963**
2184.2029	22	L	7	**633.3320**	317.1699
2241.2243	23	G	6	**520.2479**	260.6279
2298.2458	24	G	5	**463.2265**	232.1172
2385.2778	25	S	4	406.2050	203.6064
2442.2993	26	G	3	319.1730	160.0904
2529.3313	27	S	2	262.1515	131.5797
	28	R	1	**175.1195**	88.0637

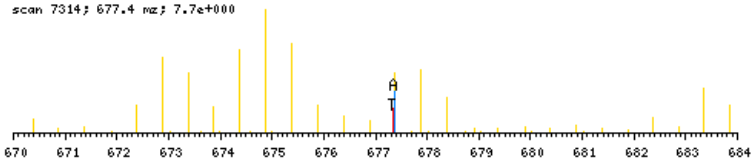
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALFNPDVSWDR, MH+ 1353.7015, m/z 677.3544
H OS G31 P160811 220811-s1.07317.07317.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



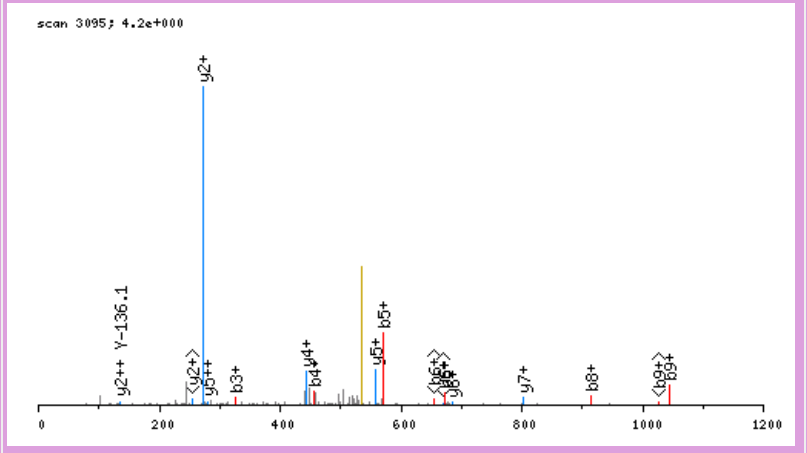
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
219.1921	2	L	10	1248.6013	624.8046
366.2605	3	F	9	1135.5172	568.2625
480.3034	4	N	8	988.4488	494.7283
577.3562	5	P	7	874.4059	437.7069
692.3831	6	D	6	777.3531	389.1805
791.4515	7	V	5	662.3262	331.6670
878.4836	8	S	4	563.2578	282.1328
1064.5629	9	W	3	476.2258	238.6168
1179.5898	10	D	2	290.1464	145.5771
	11	R	1	175.1195	88.0637

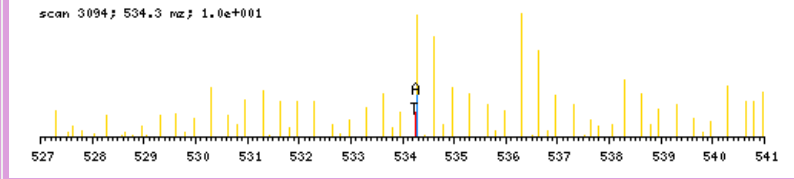
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALNEDTQDELGDPR, MH+ 1600.7454, m/z 534.2533
L OS G30 P160811 220811-s1.03095.03095.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



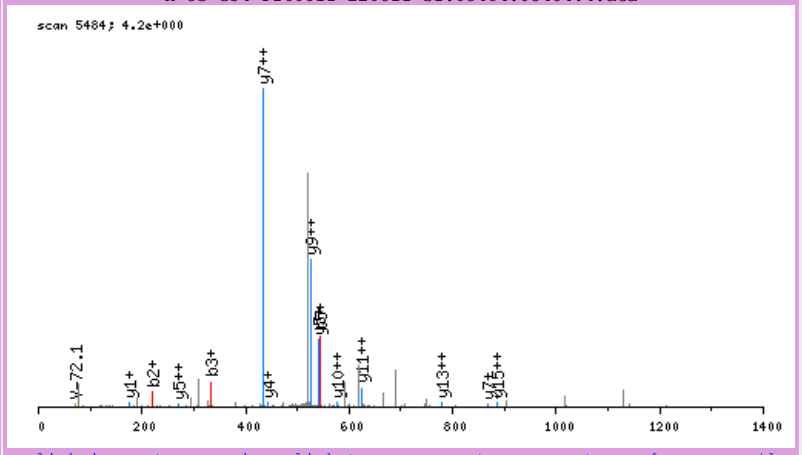
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
213.1603	2	L	13	1501.6771	751.3424
327.2032	3	N	12	1388.5930	694.8004
456.2458	4	E	11	1274.5501	637.7789
571.2727	5	D	10	1145.5075	573.2576
672.3204	6	T	9	1030.4805	515.7442
800.3790	7	Q	8	929.4328	465.2203
915.4059	8	D	7	**801.3743**	401.1910
1044.4485	9	E	6	**686.3473**	343.6776
1157.5326	10	L	5	**557.3047**	**279.1563**
1214.5541	11	G	4	**444.2207**	222.6142
1329.5810	12	D	3	387.1992	194.1035
1426.6338	13	P	2	**272.1723**	**136.5900**
	14	R	1	175.1195	88.0637

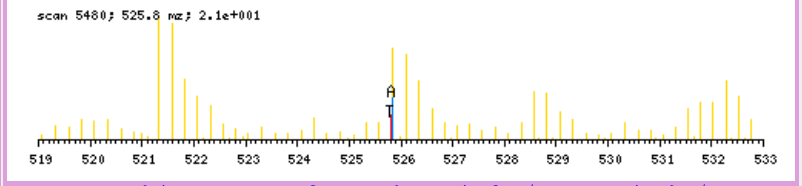
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALNPDFKPPADYKPPATR, MH+ 2100.2342, m/z 525.8140
H OS G34 P160811 220811-s1.05484.05484.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



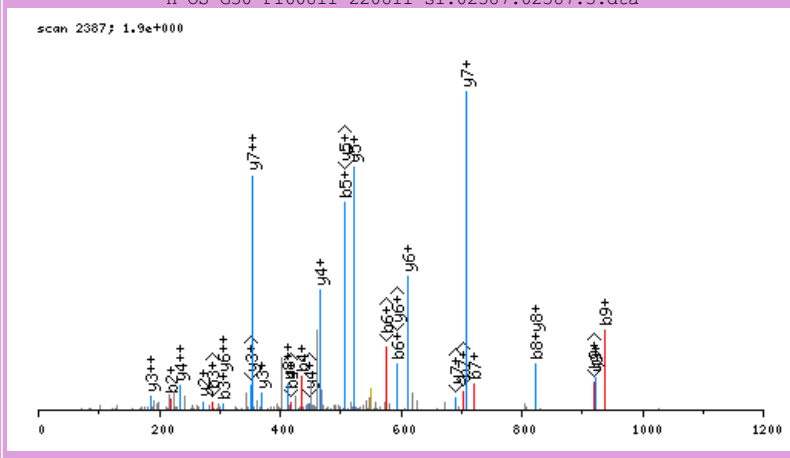
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
219.1921	2	L	17	1995.1340	998.0709
333.2350	3	N	16	1882.0500	941.5289
430.2878	4	P	15	1768.0071	**884.5074**
545.3147	5	D	14	1670.9543	835.9811
692.3831	6	F	13	1555.9273	**778.4676**
854.5412	7	K	12	1408.8589	704.9334
951.5940	8	P	11	1246.7008	**623.8543**
1048.6468	9	P	10	1149.6481	**575.3279**
1119.6839	10	A	9	1052.5953	**526.8016**
1234.7108	11	D	8	981.5582	491.2830
1397.7741	12	Y	7	**866.5312**	**433.7695**
1559.9322	13	K	6	703.4679	352.2379
1656.9850	14	P	5	**541.3098**	**271.1588**
1754.0378	15	P	4	**444.2571**	222.6324
1825.0749	16	A	3	347.2043	174.1061
1926.1226	17	T	2	276.1672	138.5875
	18	R	1	**175.1195**	88.0637

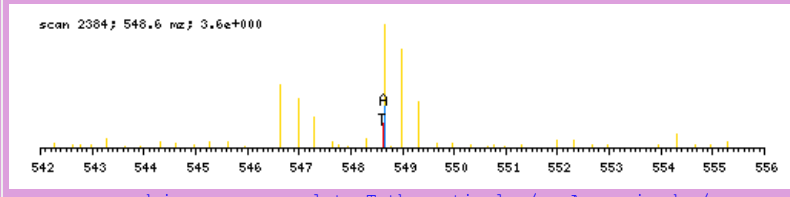
N-term:+35.07 K(7):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALSEASQTDPSGPPPR, MH+ 1643.8453, m/z 548.6199
H OS G30 P160811 220811-s1.02387.02387.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



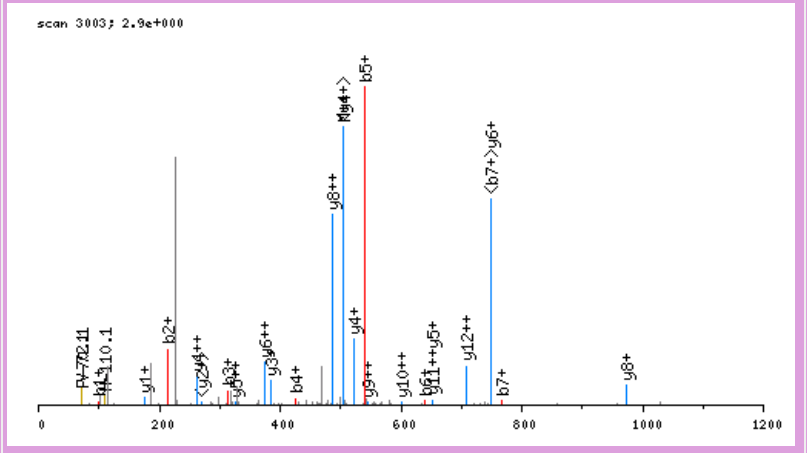
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
219.1921	2	L	15	1538.7451	769.8765
306.2241	3	S	14	1425.6610	713.3344
435.2667	4	E	13	1338.6290	669.8184
506.3038	5	A	12	1209.5864	605.2971
593.3358	6	S	11	1138.5493	569.7786
721.3944	7	Q	10	1051.5172	526.2625
822.4421	8	T	9	923.4587	462.2332
937.4690	9	D	8	822.4110	411.7094
1034.5218	10	P	7	707.3840	354.1959
1121.5538	11	S	6	610.3313	305.6696
1178.5753	12	G	5	523.2993	262.1535
1275.6281	13	P	4	466.2778	233.6428
1372.6808	14	P	3	369.2250	185.1164
1469.7336	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

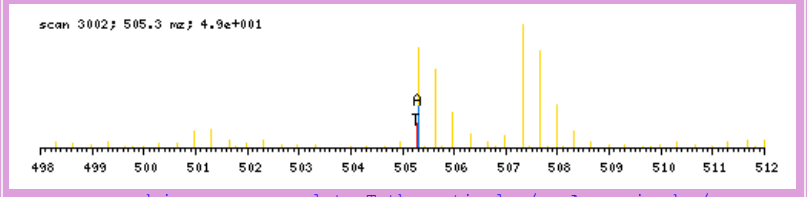
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALVNDPQPEHPLR, MH+ 1513.8127, m/z 505.2757
L OS G33 P160811 220811-s1.03003.03003.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



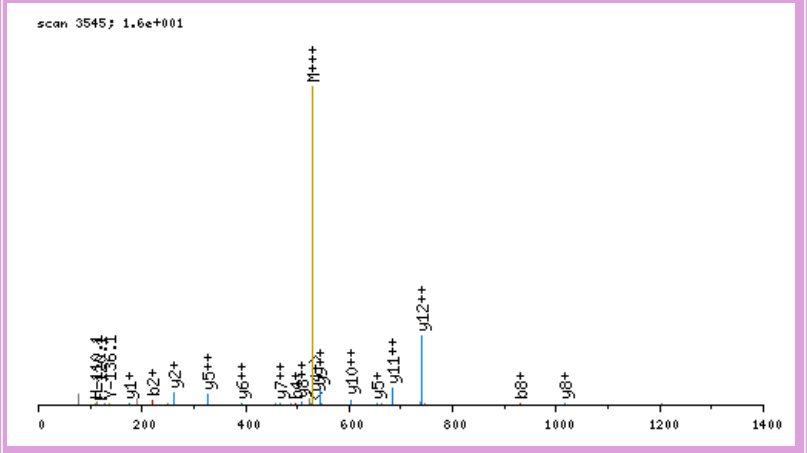
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
213.1603	2	L	12	1414.7443	707.8761
312.2287	3	V	11	1301.6602	651.3340
426.2716	4	N	10	1202.5918	601.7998
541.2986	5	D	9	1088.5489	544.7784
638.3513	6	P	8	973.5219	487.2649
766.4099	7	Q	7	876.4692	438.7385
863.4627	8	P	6	748.4106	374.7092
992.5053	9	E	5	651.3578	326.1828
1129.5642	10	H	4	522.3152	261.6615
1226.6169	11	P	3	385.2563	193.1321
1339.7010	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

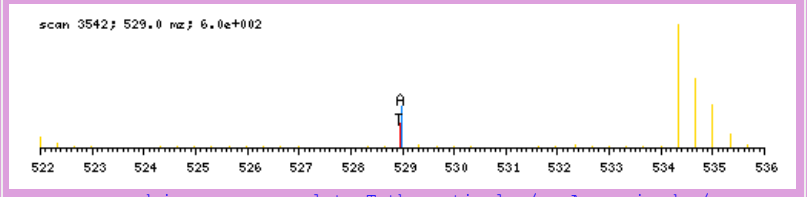
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ALYDASFETKESR, MH+ 1584.8546, m/z 528.9564
H OS G33 P160811 220811-s1.03545.03545.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



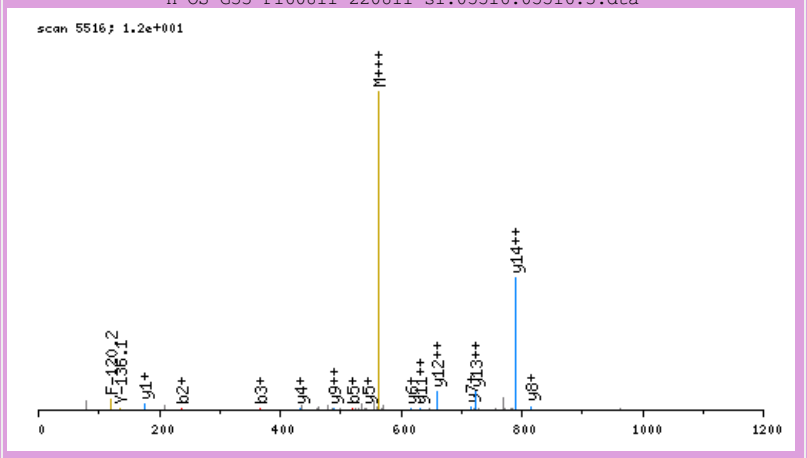
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
219.1921	2	L	12	1479.7544	**740.3811**
382.2554	3	Y	11	1366.6703	**683.8391**
497.2823	4	D	10	1203.6070	**602.3074**
568.3195	5	A	9	1088.5801	**544.7939**
655.3515	6	S	8	**1017.5429**	**509.2754**
802.4199	7	F	7	930.5109	**465.7594**
931.4625	8	E	6	783.4425	**392.2252**
1032.5102	9	T	5	**654.3999**	**327.7039**
1194.6683	10	K	4	553.3522	277.1800
1323.7109	11	E	3	391.1941	196.1010
1410.7429	12	S	2	**262.1515**	131.5797
	13	R	1	**175.1195**	88.0637

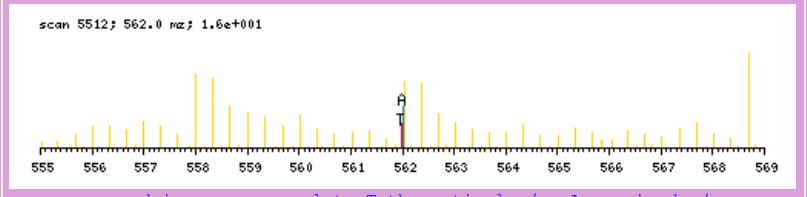
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AMEGPWKTVAIAADR, MH+ 1683.9528, m/z 561.9891
H OS G33 P160811 220811-s1.05516.05516.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



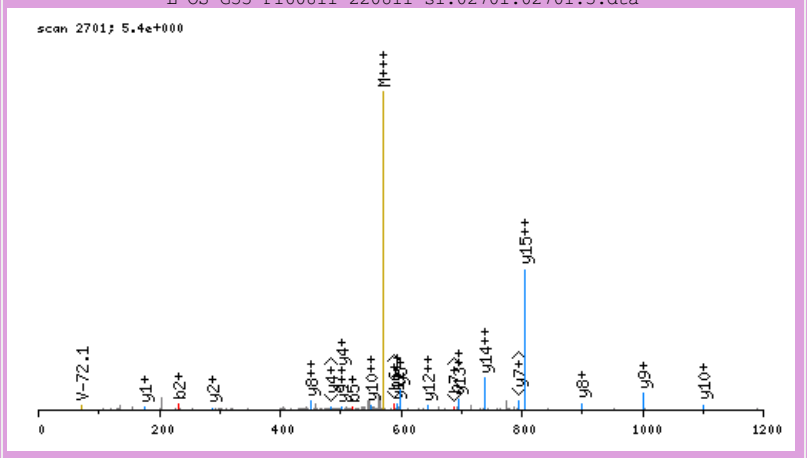
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
237.1485	2	M	14	1578.8527	**789.9302**
366.1911	3	E	13	1447.8122	**724.4100**
423.2126	4	G	12	1318.7696	**659.8887**
520.2653	5	P	11	1261.7481	**631.3780**
706.3446	6	W	10	1164.6954	582.8516
868.5027	7	K	9	978.6160	**489.8119**
969.5504	8	T	8	**816.4579**	408.7329
1068.6188	9	V	7	**715.4103**	358.2090
1139.6559	10	A	6	**616.3418**	308.6748
1252.7400	11	I	5	**545.3047**	273.1563
1323.7771	12	A	4	**432.2207**	216.6142
1394.8142	13	A	3	361.1836	181.0957
1509.8412	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

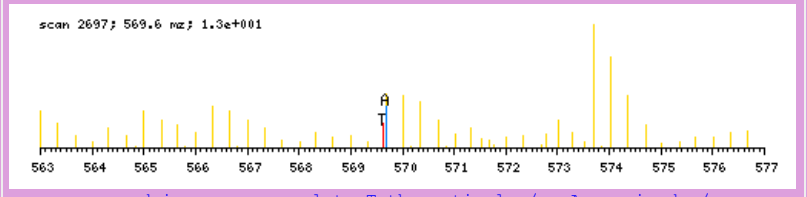
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AMSTTSVTSSQPGKLR, MH+ 1706.9111, m/z 569.6419
L OS G33 P160811 220811-s1.02701.02701.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



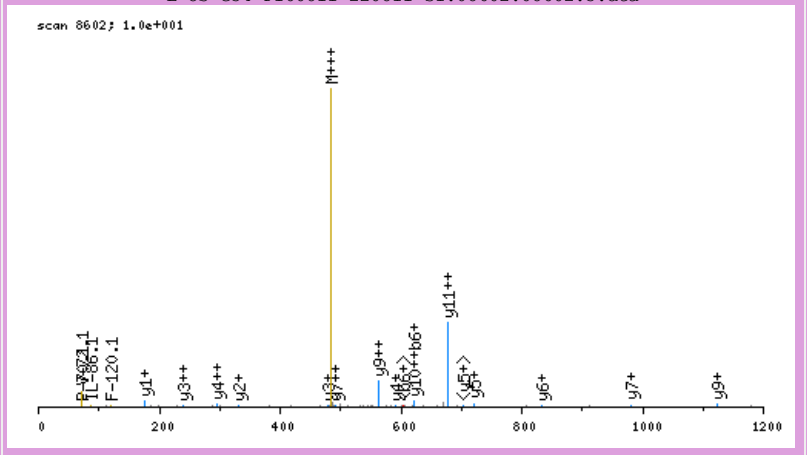
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
231.1167	2	M	15	1607.8427	804.4253
318.1487	3	S	14	1476.8022	738.9050
419.1964	4	T	13	1389.7702	695.3890
520.2441	5	T	12	1288.7225	644.8652
607.2761	6	S	11	1187.6748	594.3413
706.3445	7	V	10	1100.6428	550.8253
807.3922	8	T	9	1001.5744	501.2911
894.4242	9	S	8	900.5267	450.7673
981.4563	10	S	7	813.4947	407.2513
1109.5148	11	Q	6	726.4627	363.7352
1206.5676	12	P	5	598.4041	299.7060
1263.5891	13	G	4	501.3513	251.1796
1419.7154	14	K	3	444.3299	222.6688
1532.7994	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

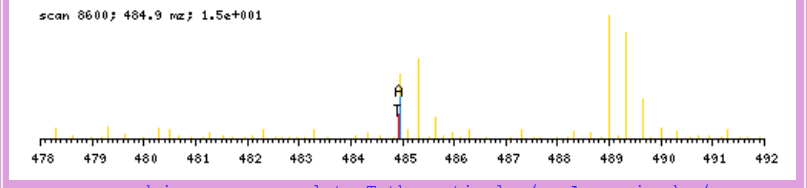
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANDGSFLELFKR, MH+ 1452.7851, m/z 484.9332
L OS G34 P160811 220811-s1.08602.08602.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



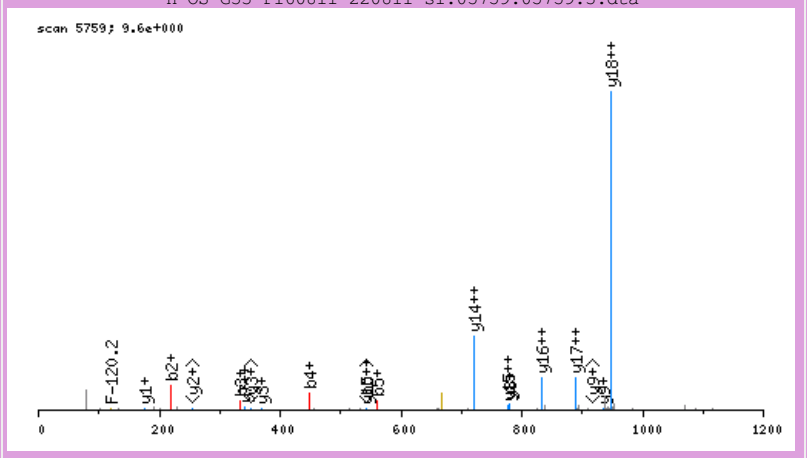
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
214.1191	2	N	11	1353.7167	**677.3623**
329.1461	3	D	10	1239.6738	**620.3408**
386.1675	4	G	9	**1124.6468**	**562.8273**
473.1996	5	S	8	1067.6254	534.3166
620.2680	6	F	7	**980.5933**	**490.8006**
733.3521	7	L	6	**833.5249**	417.2664
862.3946	8	E	5	**720.4409**	360.7243
975.4787	9	L	4	**591.3983**	**296.2031**
1122.5471	10	F	3	**478.3142**	**239.6610**
1278.6734	11	K	2	**331.2458**	166.1268
	12	R	1	**175.1195**	88.0637

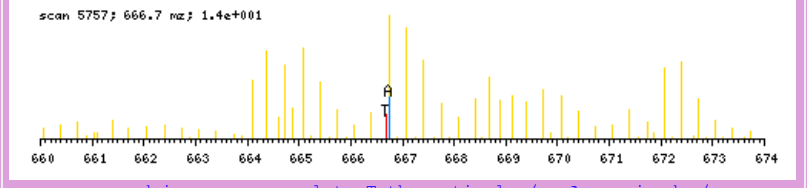
N-term:+29.04 K(11):+156.13

ANINIPMGAFRPGAGQPPR, MH+ 1998.0919, m/z 666.7022
H OS G33 P160811 220811-s1.05759.05759.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



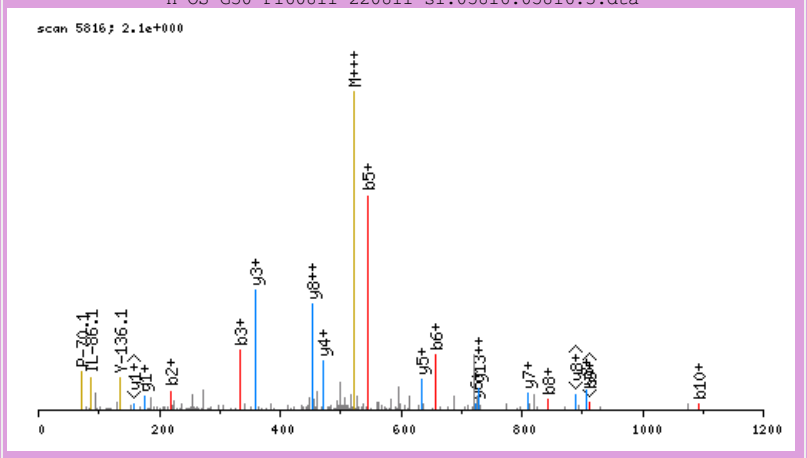
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
220.1509	2	N	18	1892.9917	**946.9998**
333.2350	3	I	17	1778.9488	**889.9783**
447.2779	4	N	16	1665.8648	**833.4363**
560.3620	5	I	15	1551.8218	**776.4148**
657.4148	6	P	14	1438.7378	**719.8728**
788.4552	7	M	13	1341.6850	671.3464
845.4767	8	G	12	1210.6445	605.8262
916.5138	9	A	11	1153.6231	577.3154
1063.5822	10	F	10	1082.5859	**541.7969**
1219.6833	11	R	9	**935.5175**	468.2627
1316.7361	12	P	8	**779.4164**	390.2121
1373.7576	13	G	7	682.3636	**341.6857**
1444.7947	14	A	6	625.3422	313.1750
1501.8162	15	G	5	554.3051	277.6564
1629.8747	16	Q	4	497.2836	249.1457
1726.9275	17	P	3	**369.2250**	185.1164
1823.9803	18	P	2	272.1723	136.5900
	19	R	1	**175.1195**	88.0637

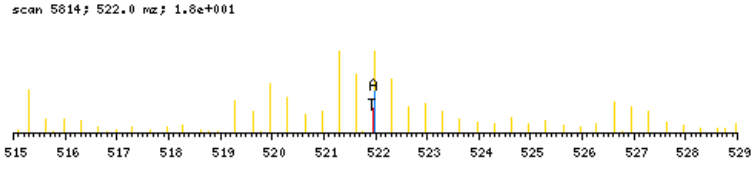
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANIPDLPSSYIPSR, MH+ 1563.8595, m/z 521.9580
H OS G30 P160811 220811-s1.05816.05816.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



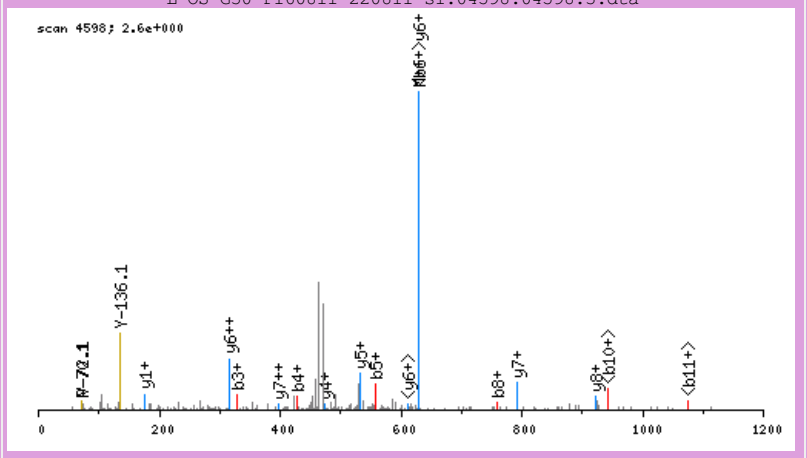
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
220.1509	2	N	13	1458.7593	729.8835
333.2350	3	I	12	1344.7163	672.8621
430.2878	4	P	11	1231.6323	616.3201
545.3147	5	D	10	1134.5795	567.7937
658.3988	6	L	9	1019.5526	510.2802
755.4515	7	P	8	906.4685	453.7382
842.4836	8	S	7	809.4157	405.2118
929.5156	9	S	6	722.3837	361.6958
1092.5789	10	Y	5	635.3517	318.1798
1205.6630	11	I	4	472.2884	236.6481
1302.7158	12	P	3	359.2043	180.1061
1389.7478	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

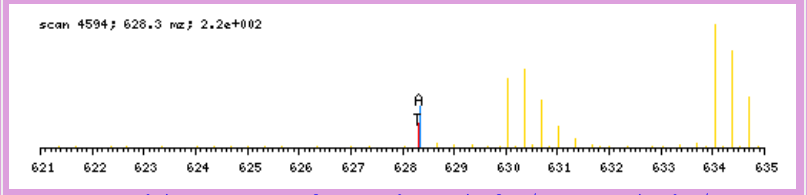
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANNVMSGGTTMYPGIADR, MH+ 1882.8791, m/z 628.2979
L OS G30 P160811 220811-s1.04598.04598.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



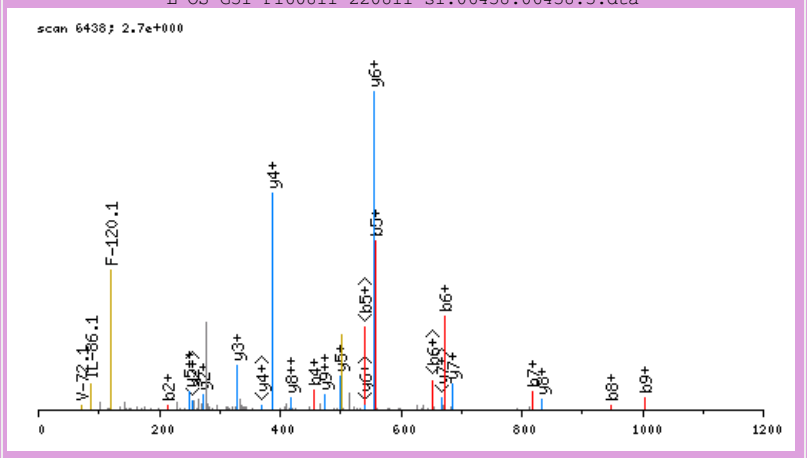
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
214.1191	2	N	17	1783.8107	892.4093
328.1621	3	N	16	1669.7678	835.3878
427.2305	4	V	15	1555.7249	778.3663
558.2710	5	M	14	1456.6565	728.8321
645.3030	6	S	13	1325.6160	663.3119
702.3245	7	G	12	1238.5839	619.7959
759.3459	8	G	11	1181.5625	591.2852
860.3936	9	T	10	1124.5410	562.7744
961.4413	10	T	9	1023.4933	512.2506
1092.4818	11	M	8	**922.4457**	461.7267
1255.5451	12	Y	7	**791.4052**	**396.2065**
1352.5979	13	P	6	**628.3418**	**314.6748**
1409.6193	14	G	5	**531.2891**	266.1485
1522.7034	15	I	4	**474.2676**	237.6377
1593.7405	16	A	3	361.1836	181.0957
1708.7674	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

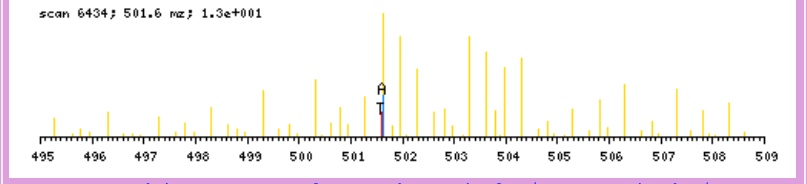
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANQDTIFEGIGGPR, MH+ 1502.7603, m/z 501.5916
L OS G31 P160811 220811-s1.06438.06438.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



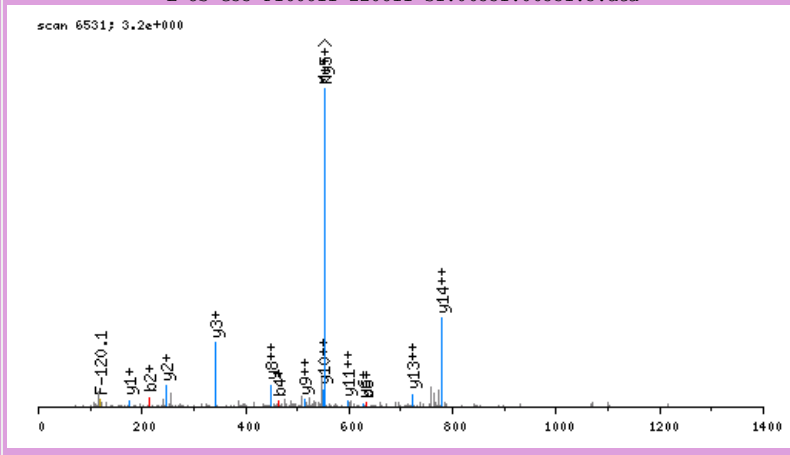
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
214.1191	2	N	13	1403.6919	702.3499
342.1777	3	Q	12	1289.6490	645.3284
457.2047	4	D	11	1161.5904	581.2991
558.2523	5	T	10	1046.5635	523.7856
671.3364	6	I	9	945.5158	**473.2618**
818.4048	7	F	8	**832.4317**	**416.7198**
947.4474	8	E	7	**685.3633**	343.1856
1004.4689	9	G	6	**556.3207**	278.6643
1117.5529	10	I	5	**499.2993**	**250.1535**
1174.5744	11	G	4	**386.2152**	193.6115
1231.5959	12	G	3	**329.1937**	165.1008
1328.6486	13	P	2	**272.1723**	136.5900
	14	R	1	175.1195	88.0637

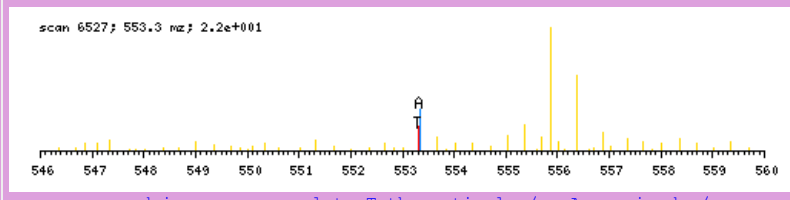
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ANTFVAELKGLDPAR, MH+ 1657.9277, m/z 553.3141
L OS G33 P160811 220811-s1.06531.06531.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



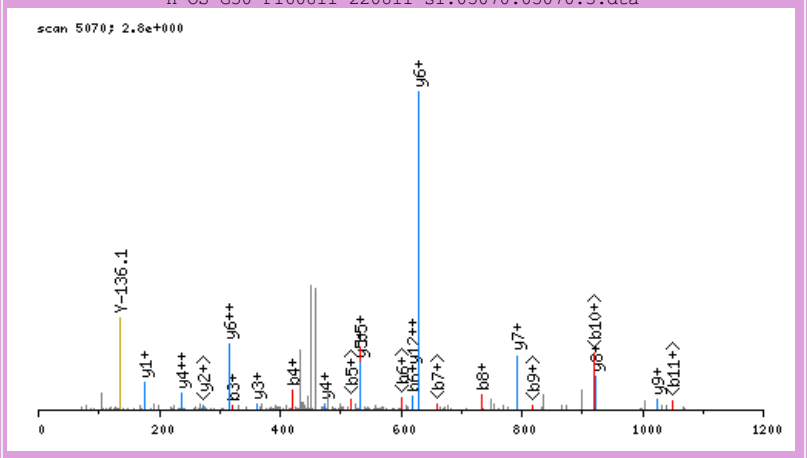
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
214.1191	2	N	14	1558.8594	**779.9336**
315.1668	3	T	13	1444.8164	**722.9121**
462.2352	4	F	12	1343.7687	672.3883
561.3036	5	V	11	1196.7003	**598.8541**
632.3408	6	A	10	1097.6319	**549.3199**
761.3834	7	E	9	1026.5948	**513.8013**
874.4674	8	L	8	897.5522	**449.2800**
1030.5937	9	K	7	784.4681	392.7380
1087.6152	10	G	6	**628.3418**	314.6748
1200.6992	11	L	5	571.3204	286.1641
1315.7262	12	D	4	458.2363	229.6221
1412.7790	13	P	3	**343.2094**	172.1086
1483.8161	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

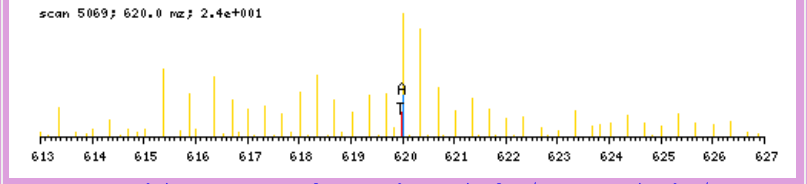
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANTVLSGGTTMYPGIADR, MH+ 1857.9592, m/z 619.9913
H OS G30 P160811 220811-s1.05070.05070.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



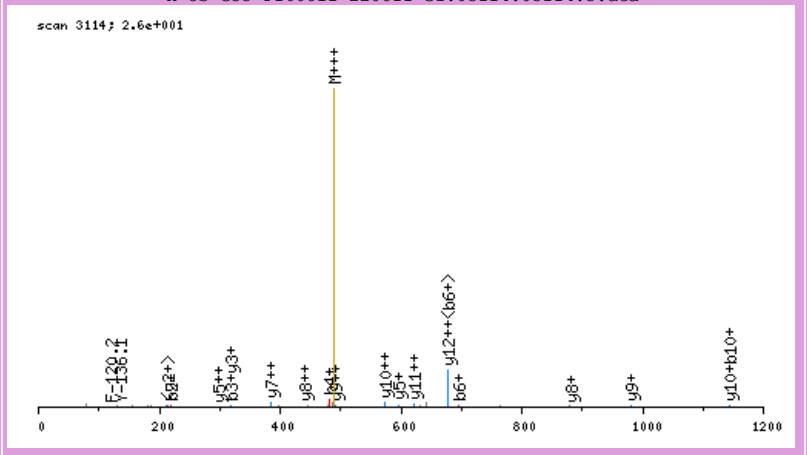
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
220.1509	2	N	17	1752.8591	876.9334
321.1986	3	T	16	1638.8161	819.9120
420.2670	4	V	15	1537.7685	769.3881
533.3511	5	L	14	1438.7000	719.8539
620.3831	6	S	13	1325.6160	663.3119
677.4046	7	G	12	1238.5839	**619.7959**
734.4261	8	G	11	1181.5625	591.2852
835.4737	9	T	10	1124.5410	562.7744
936.5214	10	T	9	**1023.4933**	512.2506
1067.5619	11	M	8	**922.4457**	461.7267
1230.6252	12	Y	7	**791.4052**	396.2065
1327.6780	13	P	6	**628.3418**	**314.6748**
1384.6995	14	G	5	**531.2891**	266.1485
1497.7835	15	I	4	**474.2676**	**237.6377**
1568.8206	16	A	3	**361.1836**	181.0957
1683.8476	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

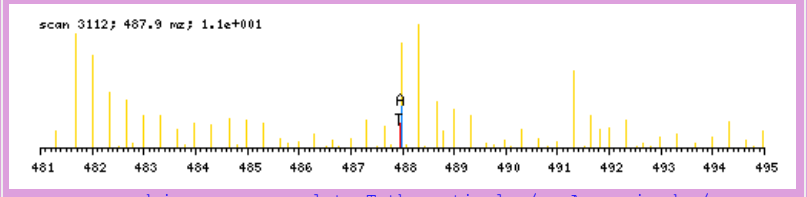
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ANVYVDAVKDSGR, MH+ 1461.8338, m/z 487.9494
H OS G33 P160811 220811-s1.03114.03114.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



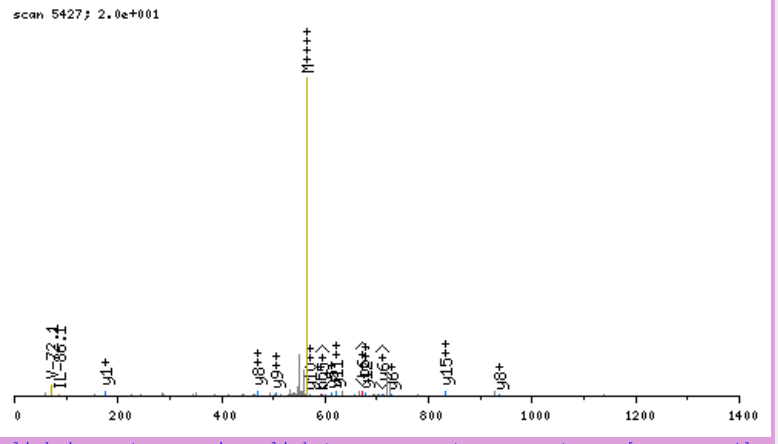
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
220.1509	2	N	12	1356.7336	**678.8707**
319.2194	3	V	11	1242.6907	**621.8492**
482.2827	4	Y	10	**1143.6222**	**572.3150**
581.3511	5	V	9	**980.5589**	**490.7834**
696.3780	6	D	8	**881.4905**	**441.2492**
767.4152	7	A	7	766.4636	**383.7357**
866.4836	8	V	6	695.4264	348.2171
1028.6417	9	K	5	**596.3580**	**298.6829**
1143.6686	10	D	4	434.1999	217.6039
1230.7006	11	S	3	**319.1730**	160.0904
1287.7221	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

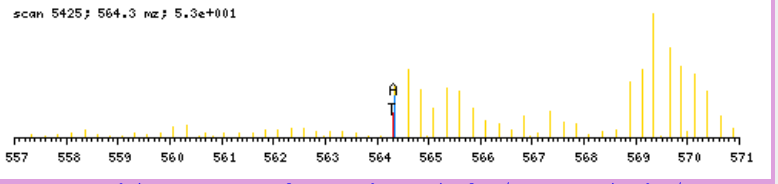
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

APEEHPTLLTEAPLNPKANR, MH+ 2254.2196, m/z 564.3103
L OS G34 P160811 220811-s1.05427.05427.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
197.1290	2	P	19	2155.1512	1078.0795
326.1716	3	E	18	2058.0984	1029.5531
455.2142	4	E	17	1929.0558	965.0318
592.2731	5	H	16	1800.0132	900.5105
689.3258	6	P	15	1662.9543	**831.9811**
790.3735	7	T	14	1565.9016	783.4547
903.4576	8	L	13	1464.8539	732.9308
1016.5416	9	L	12	1351.7698	**676.3888**
1117.5893	10	T	11	1238.6857	**619.8468**
1246.6319	11	E	10	1137.6381	**569.3229**
1317.6690	12	A	9	1008.5955	**504.8017**
1414.7218	13	P	8	**937.5584**	**469.2831**
1527.8059	14	L	7	840.5056	420.7567
1641.8488	15	N	6	**727.4215**	364.2147
1738.9016	16	P	5	**613.3786**	307.1932
1895.0279	17	K	4	516.3258	258.6668
1966.0650	18	A	3	360.1995	180.6037
2080.1079	19	N	2	289.1624	145.0851
	20	R	1	**175.1195**	88.0637

N-term:+29.04 K(17):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

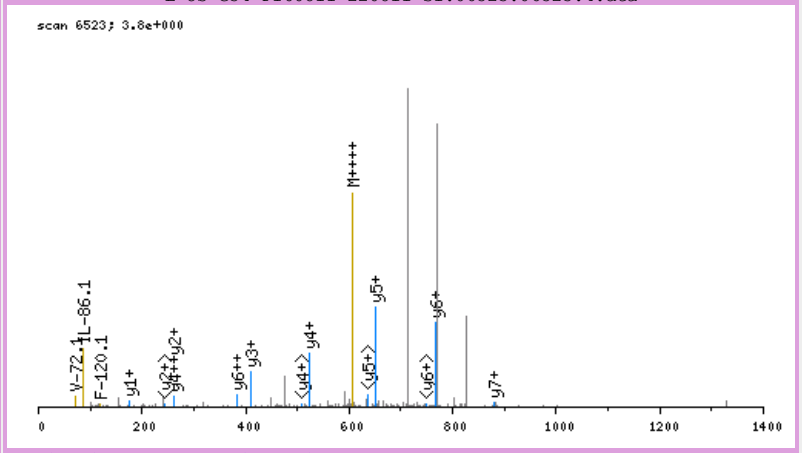
z [+] [2+] [3+]

hide H_2O/NH_3

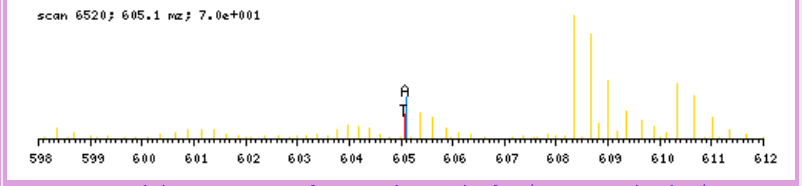
zoom 112-122

GO

APKGGSKQQSEEDLLLQDFSR, MH+ 2417.2677, m/z 605.0724
L OS G34 P160811 220811-s1.06523.06523.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



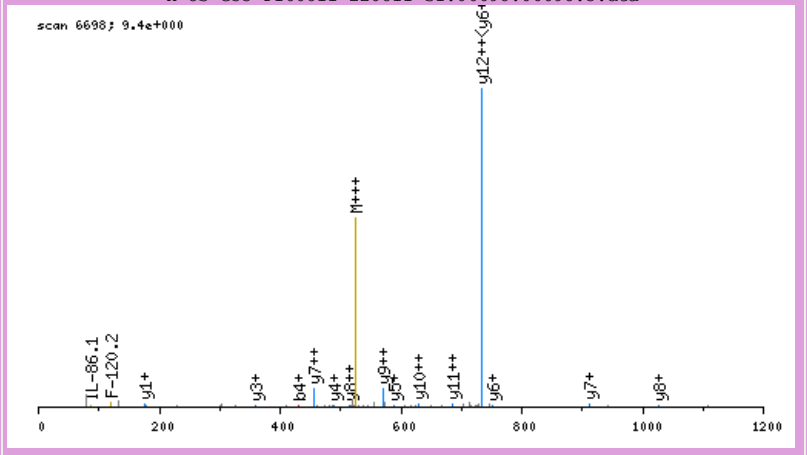
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
197.1290	2	P	20	2318.1993	1159.6036
353.2553	3	K	19	2221.1465	1111.0772
410.2767	4	G	18	2065.0202	1033.0140
467.2982	5	G	17	2007.9988	1004.5033
554.3302	6	S	16	1950.9773	975.9926
710.4565	7	K	15	1863.9453	932.4765
838.5151	8	Q	14	1707.8190	854.4134
966.5737	9	Q	13	1579.7604	790.3841
1053.6057	10	S	12	1451.7018	726.3548
1182.6483	11	E	11	1364.6698	682.8388
1311.6909	12	E	10	1235.6272	618.3175
1426.7178	13	D	9	1106.5846	553.7962
1539.8019	14	L	8	991.5577	496.2827
1652.8860	15	L	7	**878.4736**	439.7407
1765.9700	16	L	6	**765.3895**	**383.1987**
1894.0286	17	Q	5	**652.3055**	326.6566
2009.0556	18	D	4	**524.2469**	**262.6274**
2156.1240	19	F	3	**409.2199**	205.1139
2243.1560	20	S	2	**262.1515**	131.5797
	21	R	1	**175.1195**	88.0637

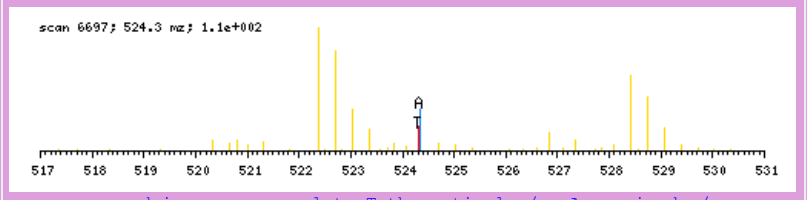
N-term:+29.04 K(3):+156.13
K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

APLDLDKYVEIAR, MH+ 1570.9481, m/z 524.3209
H OS G33 P160811 220811-s1.06698.06698.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



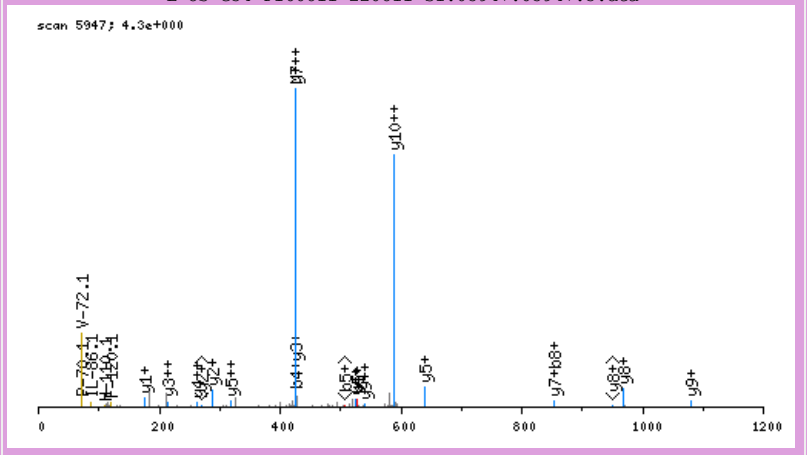
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
203.1608	2	P	12	1465.8479	**733.4279**
316.2448	3	L	11	1368.7951	**684.9015**
431.2718	4	D	10	1255.7111	**628.3594**
544.3558	5	L	9	1140.6841	**570.8460**
659.3828	6	D	8	**1027.6001**	**514.3039**
821.5409	7	K	7	**912.5731**	**456.7905**
984.6042	8	Y	6	**750.4150**	375.7114
1083.6726	9	V	5	**587.3517**	294.1798
1212.7152	10	E	4	**488.2833**	244.6455
1325.7993	11	I	3	**359.2407**	180.1243
1396.8364	12	A	2	246.1566	123.5822
	13	R	1	**175.1195**	88.0637

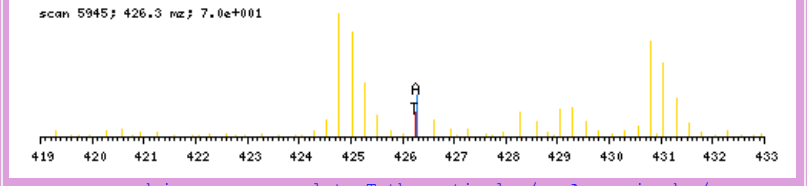
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

APLDTINVHLR, MH+ 1276.7377, m/z 426.2508
L OS G34 P160811 220811-s1.05947.05947.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



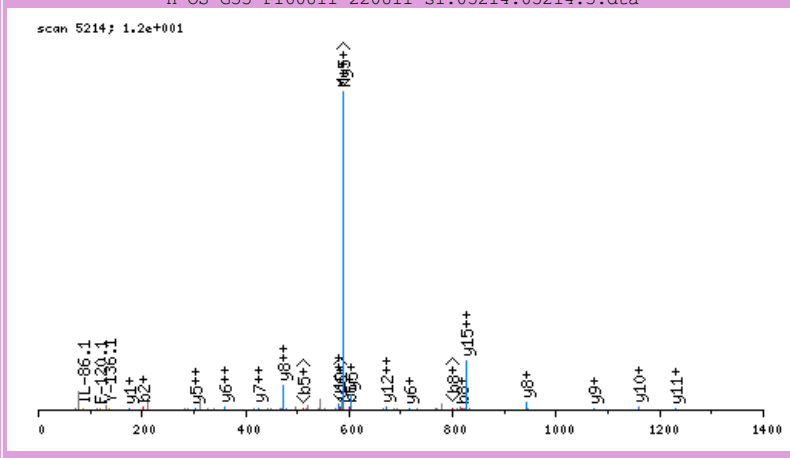
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	11		
197.1290	2	P	10	1177.6693	589.3386
310.2130	3	L	9	1080.6166	540.8122
425.2400	4	D	8	967.5325	484.2702
526.2877	5	T	7	852.5056	426.7567
639.3717	6	I	6	751.4579	376.2329
753.4147	7	N	5	638.3738	319.6908
852.4831	8	V	4	524.3309	262.6694
989.5420	9	H	3	425.2625	213.1352
1102.6260	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

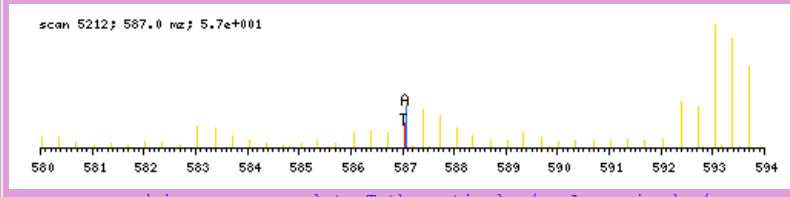
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

APNVLASEPEIPKGIR, MH+ 1759.0754, m/z 587.0300
H OS G33 P160811 220811-s1.05214.05214.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



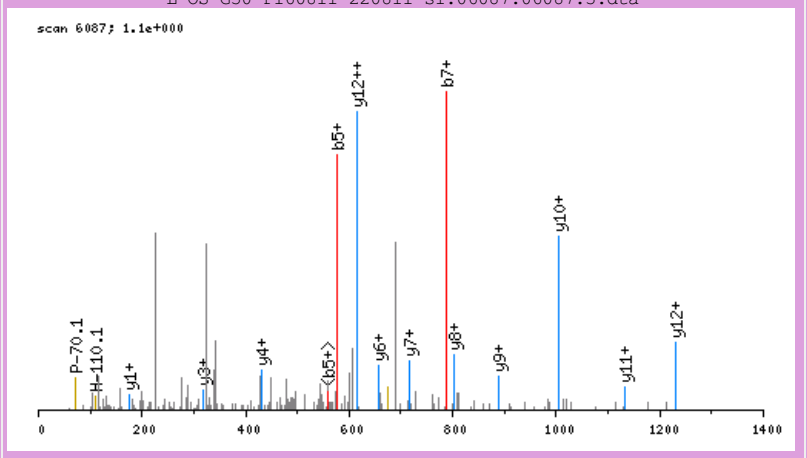
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
203.1608	2	P	15	1653.9752	**827.4915**
317.2037	3	N	14	1556.9225	778.9651
416.2721	4	V	13	1442.8795	721.9437
529.3562	5	L	12	1343.8111	**672.4095**
600.3933	6	A	11	**1230.7270**	615.8674
687.4253	7	S	10	**1159.6899**	**580.3489**
816.4679	8	E	9	**1072.6579**	536.8329
913.5207	9	P	8	**943.6153**	**472.3116**
1042.5633	10	E	7	846.5625	**423.7852**
1155.6473	11	I	6	**717.5200**	**359.2639**
1252.7001	12	P	5	**604.4359**	**302.7219**
1414.8582	13	K	4	507.3831	254.1955
1471.8797	14	G	3	345.2250	173.1164
1584.9637	15	I	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

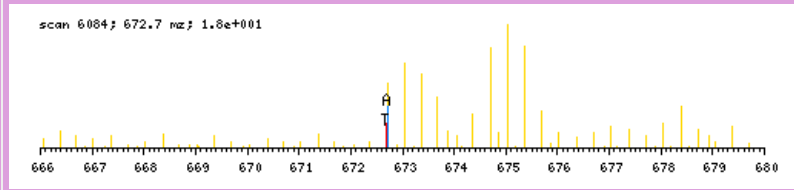
N-term:+35.07 K(13):+162.16

APPPWPIPQDSSGPELGSR, MH+ 2016.0190, m/z 672.6779
L OS G30 P160811 220811-s1.06087.06087.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



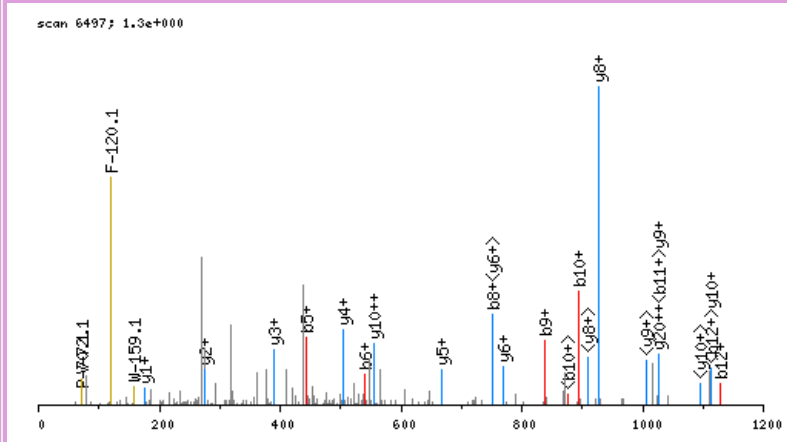
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
197.1290	2	P	18	1916.9507	958.9792
294.1817	3	P	17	1819.8979	910.4529
391.2345	4	P	16	1722.8451	861.9265
577.3138	5	W	15	1625.7924	813.4001
674.3666	6	P	14	1439.7130	720.3604
787.4506	7	I	13	1342.6603	671.8341
884.5034	8	P	12	**1229.5762**	**615.2920**
1012.5620	9	Q	11	**1132.5235**	566.7656
1127.5889	10	D	10	**1004.4649**	502.7364
1214.6210	11	S	9	**889.4379**	445.2229
1301.6530	12	S	8	**802.4059**	401.7069
1358.6745	13	G	7	**715.3739**	358.1909
1455.7272	14	P	6	**658.3524**	329.6801
1584.7698	15	E	5	561.2997	281.1537
1697.8539	16	L	4	**432.2571**	216.6324
1754.8753	17	G	3	**319.1730**	160.0904
1841.9074	18	S	2	262.1515	131.5797
	19	R	1	**175.1195**	88.0637

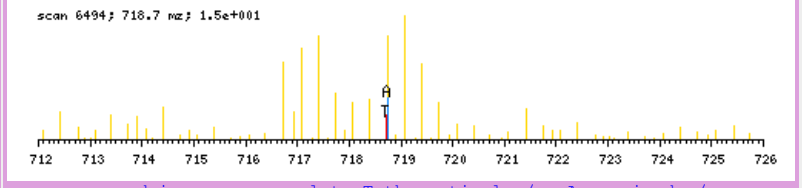
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

APPSGPPISGFSVGTTYDITR, MH+ 2154.1295, m/z 718.7147
H OS G30 P160811 220811-s1.06497.06497.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



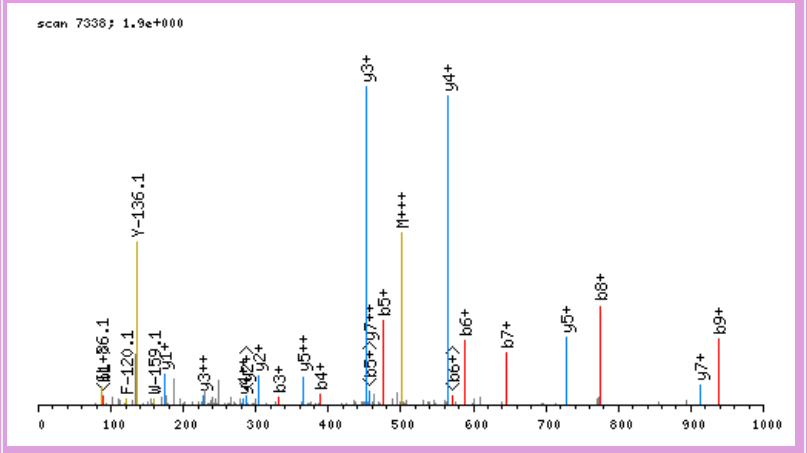
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	21		
203.1608	2	P	20	2049.0293	**1025.0186**
300.2135	3	P	19	1951.9765	976.4922
387.2456	4	S	18	1854.9238	927.9658
444.2670	5	G	17	1767.8917	884.4498
541.3198	6	P	16	1710.8703	855.9391
638.3726	7	P	15	1613.8175	807.4127
751.4566	8	I	14	1516.7647	758.8863
838.4887	9	S	13	1403.6807	702.3443
895.5101	10	G	12	1316.6487	658.8282
1042.5785	11	F	11	1259.6272	630.3175
1129.6106	12	S	10	**1112.5588**	**556.7833**
1228.6790	13	V	9	**1025.5267**	513.2673
1285.7004	14	G	8	**926.4583**	463.7331
1386.7481	15	T	7	869.4369	435.2223
1487.7958	16	T	6	**768.3892**	384.6985
1650.8591	17	Y	5	**667.3415**	334.1747
1765.8861	18	D	4	**504.2782**	252.6430
1878.9701	19	I	3	**389.2512**	195.1295
1980.0178	20	T	2	**276.1672**	138.5875
	21	R	1	**175.1195**	88.0637

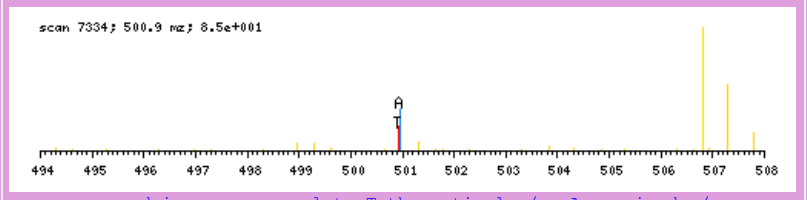
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

APQGSLGEYLFER, MH+ 1500.7910, m/z 500.9352
H OS G31 P160811 220811-s1.07338.07338.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

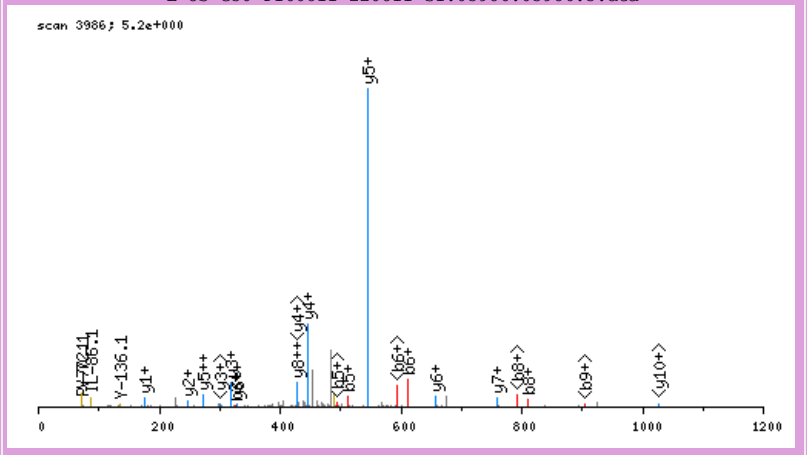


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

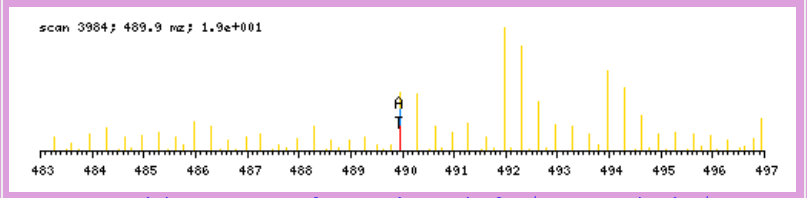
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
203.1608	2	P	12	1395.6909	698.3493
331.2194	3	Q	11	1298.6381	649.8230
388.2408	4	G	10	1170.5795	585.7937
475.2728	5	S	9	1113.5580	557.2829
588.3569	6	L	8	1026.5260	513.7669
645.3784	7	G	7	913.4420	457.2249
774.4210	8	E	6	856.4205	428.7142
937.4843	9	Y	5	727.3779	364.1929
1050.5684	10	L	4	564.3146	282.6612
1197.6368	11	F	3	451.2305	226.1192
1326.6794	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

N-term:+35.07

APQVSTPTLVEAAR, MH+ 1467.8171, m/z 489.9439
L OS G30 P160811 220811-s1.03986.03986.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



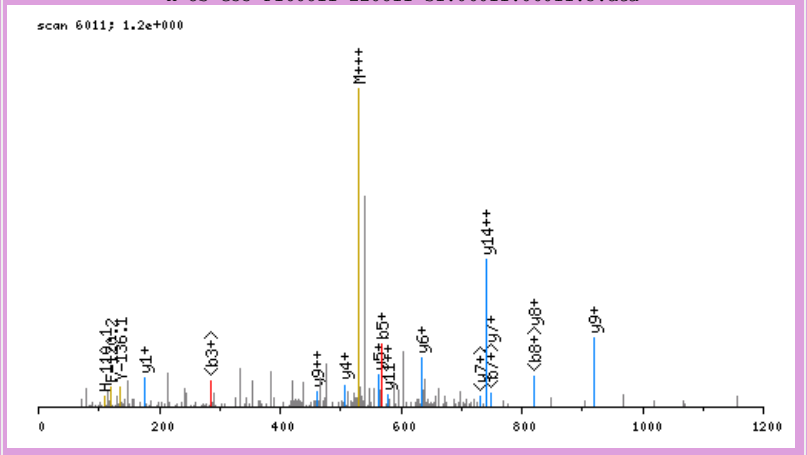
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

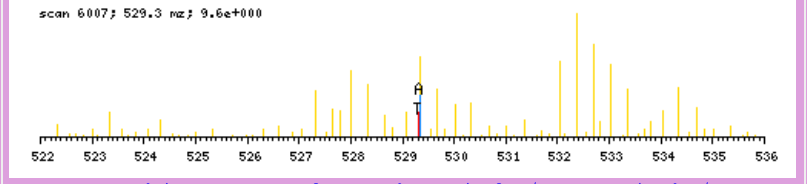
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
197.1290	2	P	13	1368.7487	684.8783
325.1876	3	Q	12	1271.6959	636.3519
424.2560	4	V	11	1143.6374	572.3226
511.2880	5	S	10	1044.5689	522.7884
612.3357	6	T	9	957.5369	479.2724
709.3884	7	P	8	856.4892	**428.7485**
810.4361	8	T	7	**759.4365**	380.2222
923.5202	9	L	6	**658.3888**	**329.6983**
1022.5886	10	V	5	**545.3047**	**273.1563**
1151.6312	11	E	4	**446.2363**	223.6221
1222.6683	12	A	3	**317.1937**	159.1008
1293.7054	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

N-term:+29.04

APVEHVVADAGAFLR, MH+ 1585.8914, m/z 529.3020
H OS G33 P160811 220811-s1.06011.06011.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

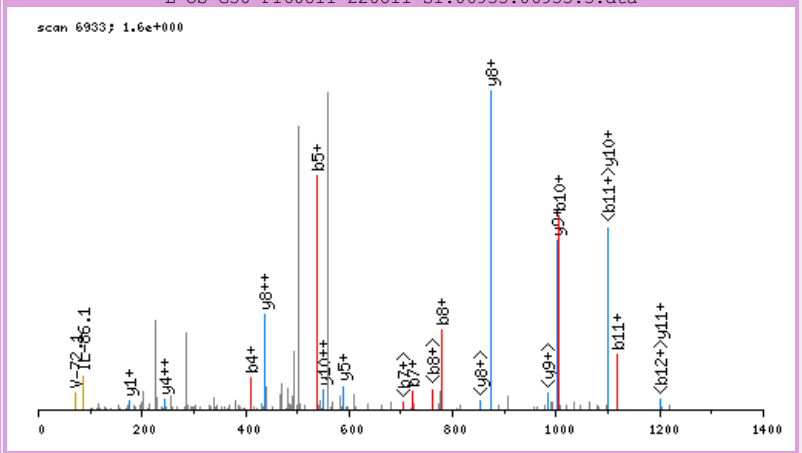
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
203.1608	2	P	14	1480.7912	**740.8995**
302.2292	3	V	13	1383.7385	692.3731
431.2718	4	E	12	1284.6701	642.8389
568.3307	5	H	11	1155.6275	**578.3176**
667.3991	6	V	10	1018.5686	509.7882
766.4675	7	V	9	**919.5001**	**460.2540**
837.5046	8	A	8	**820.4317**	410.7198
952.5316	9	D	7	**749.3946**	375.2012
1023.5687	10	A	6	**634.3677**	317.6877
1080.5902	11	G	5	**563.3306**	282.1692
1151.6273	12	A	4	**506.3091**	253.6585
1298.6957	13	F	3	435.2720	218.1399
1411.7798	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

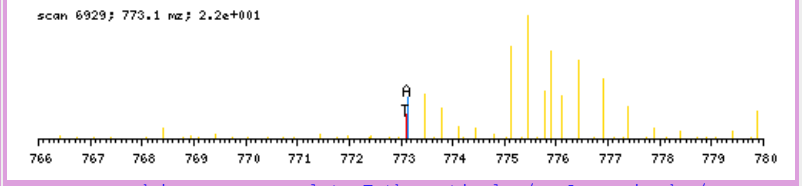
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

APVIEPSGPELVVEPGETVTLR, MH+ 2317.2655, m/z 773.0933
L OS G30 P160811 220811-s1.06933.06933.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



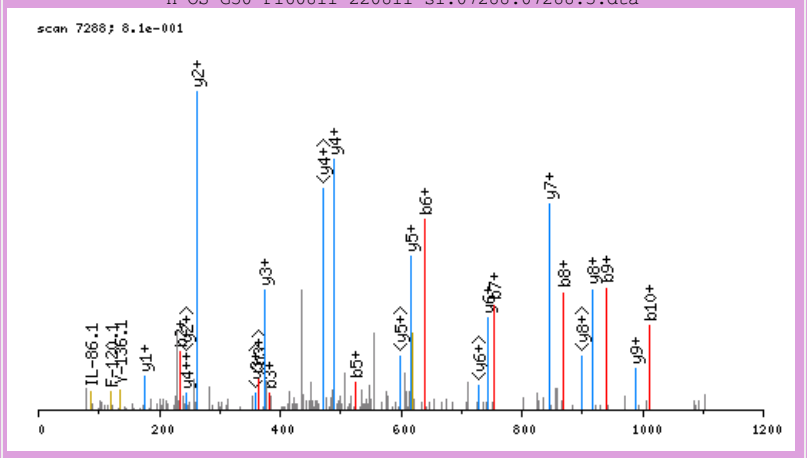
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	22		
197.1290	2	P	21	2218.1971	1109.6025
296.1974	3	V	20	2121.1443	1061.0761
409.2815	4	I	19	2022.0759	1011.5419
538.3240	5	E	18	1908.9918	954.9998
635.3768	6	P	17	1779.9493	890.4785
722.4088	7	S	16	1682.8965	841.9522
779.4303	8	G	15	1595.8645	798.4361
876.4831	9	P	14	1538.8430	769.9254
1005.5257	10	E	13	1441.7902	721.3990
1118.6097	11	L	12	1312.7476	656.8777
1217.6781	12	V	11	**1199.6636**	600.3357
1316.7466	13	V	10	**1100.5952**	**550.8015**
1445.7891	14	E	9	**1001.5267**	501.2673
1542.8419	15	P	8	**872.4842**	**436.7460**
1599.8634	16	G	7	775.4314	388.2196
1728.9060	17	E	6	718.4099	359.7089
1829.9536	18	T	5	**589.3673**	295.1876
1929.0221	19	V	4	488.3197	**244.6637**
2030.0697	20	T	3	389.2512	195.1295
2143.1538	21	L	2	288.2036	144.6057
	22	R	1	**175.1195**	88.0637

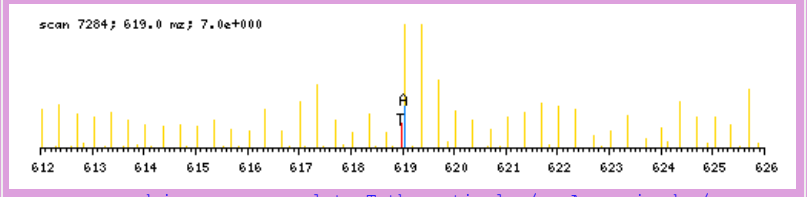
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AQFGSDLDAATQQLLSR, MH+ 1854.9773, m/z 618.9973
H OS G30 P160811 220811-s1.07288.07288.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



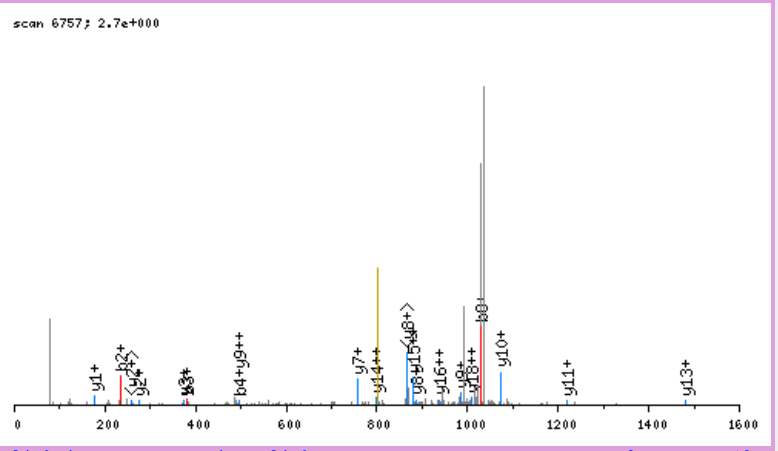
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
234.1666	2	Q	16	1749.8772	875.4425
381.2350	3	F	15	1621.8186	811.4132
438.2565	4	G	14	1474.7502	737.8790
525.2885	5	S	13	1417.7287	709.3683
640.3154	6	D	12	1330.6967	665.8522
753.3995	7	L	11	1215.6697	608.3388
868.4264	8	D	10	1102.5857	551.7967
939.4636	9	A	9	987.5587	494.2833
1010.5007	10	A	8	916.5216	458.7647
1111.5484	11	T	7	845.4845	423.2462
1239.6069	12	Q	6	744.4368	372.7223
1367.6655	13	Q	5	616.3782	308.6930
1480.7496	14	L	4	488.3197	244.6637
1593.8336	15	L	3	375.2356	188.1217
1680.8657	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

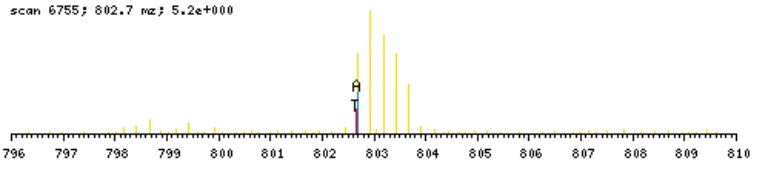
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AQFLDTCCKAADKDTCFSTEGPNLVTR, MH+ 3207.5972, m/z 802.6548
H OS G34 P160811 220811-s1.06757.06757.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



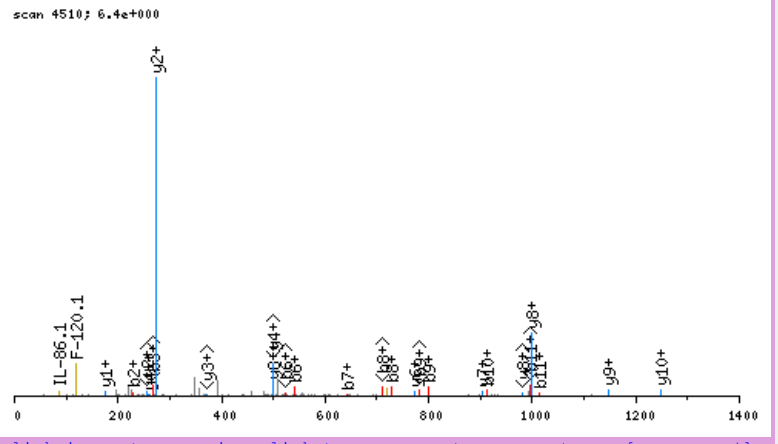
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	27		
234.1666	2	Q	26	3102.4970	1551.7524
381.2350	3	F	25	2974.4384	1487.7231
494.3191	4	L	24	2827.3700	1414.1889
609.3460	5	D	23	2714.2859	1357.6469
710.3937	6	T	22	2599.2590	1300.1334
870.4243	7	C	21	2498.2113	1249.6096
1030.4549	8	C	20	2338.1807	1169.5943
1192.6130	9	K	19	2178.1501	1089.5790
1263.6501	10	A	18	2015.9920	**1008.4999**
1334.6872	11	A	17	1944.9549	972.9814
1449.7142	12	D	16	1873.9178	**937.4628**
1611.8723	13	K	15	1758.8908	**879.9493**
1726.8992	14	D	14	1596.7327	**798.8703**
1827.9469	15	T	13	**1481.7058**	741.3568
1987.9775	16	C	12	1380.6581	690.8330
2135.0459	17	F	11	**1220.6275**	610.8177
2222.0779	18	S	10	**1073.5591**	537.2835
2323.1256	19	T	9	**986.5271**	**493.7675**
2452.1682	20	E	8	**885.4794**	443.2436
2509.1897	21	G	7	**756.4368**	378.7223
2606.2424	22	P	6	699.4153	350.2116
2720.2854	23	N	5	602.3626	301.6852
2833.3694	24	L	4	488.3197	244.6637
2932.4378	25	V	3	**375.2356**	188.1217
3033.4855	26	T	2	**276.1672**	138.5875
	27	R	1	**175.1195**	88.0637

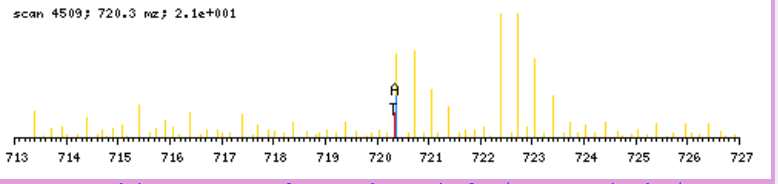
N-term:+35.07 C(7):+160.03
C(8):+160.03 K(9):+162.16
K(13):+162.16 C(16):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AQGPGTTSAITFPEEQEDPR, MH+ 2159.0256, m/z 720.3467
L OS G30 P160811 220811-s1.04510.04510.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



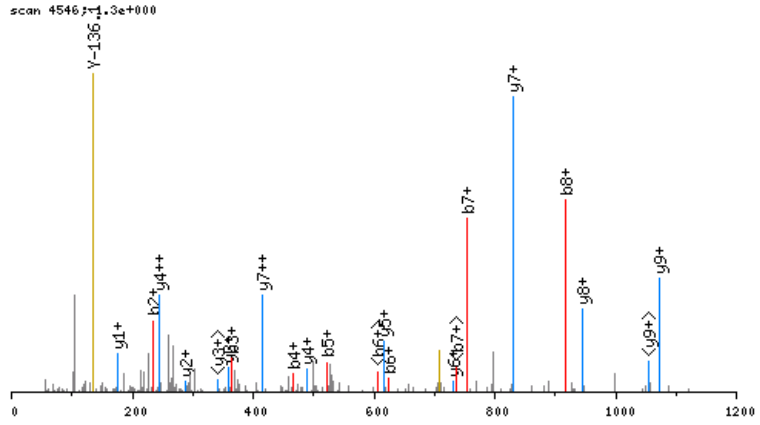
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
228.1348	2	Q	19	2059.9573	1030.4825
285.1563	3	G	18	1931.8987	966.4533
382.2090	4	P	17	1874.8772	937.9425
439.2305	5	G	16	1777.8244	889.4161
540.2782	6	T	15	1720.8030	860.9054
641.3258	7	T	14	1619.7553	810.3816
728.3579	8	S	13	1518.7076	759.8577
799.3950	9	A	12	1431.6756	716.3417
912.4790	10	I	11	1360.6385	680.8232
1013.5267	11	T	10	**1247.5544**	624.2811
1160.5951	12	F	9	**1146.5067**	573.7573
1257.6479	13	P	8	**999.4383**	**500.2231**
1386.6905	14	E	7	**902.3856**	451.6967
1515.7331	15	E	6	**773.3430**	387.1754
1643.7917	16	Q	5	644.3004	322.6541
1772.8343	17	E	4	516.2418	**258.6248**
1887.8612	18	D	3	387.1992	194.1035
1984.9140	19	P	2	**272.1723**	136.5900
	20	R	1	**175.1195**	88.0637

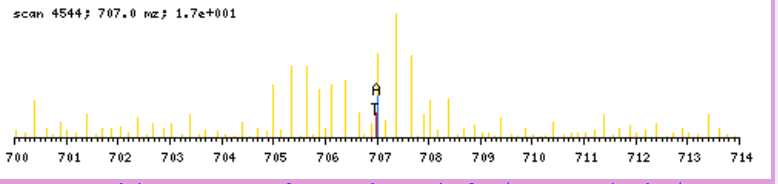
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AQMTGTEYMQDPDEEALR, MH+ 2118.9536, m/z 706.9894
H OS G30 P160811 220811-s1.04546.04546.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



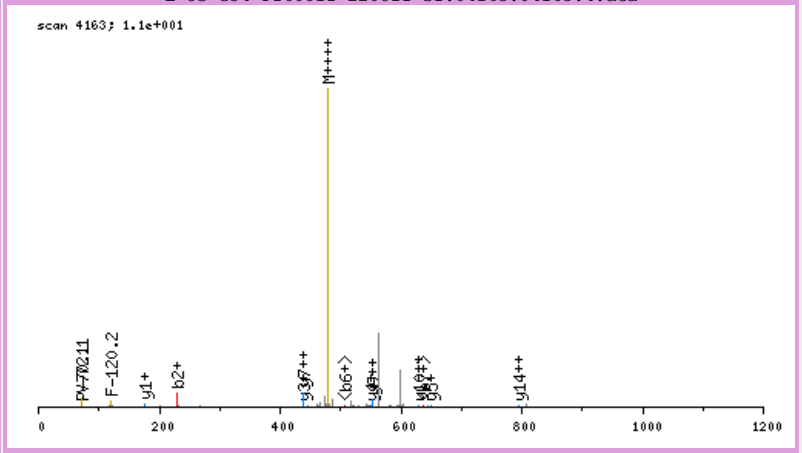
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
234.1666	2	Q	17	2013.8534	1007.4306
365.2071	3	M	16	1885.7948	943.4013
466.2548	4	T	15	1754.7543	877.8811
523.2762	5	G	14	1653.7066	827.3572
624.3239	6	T	13	1596.6852	798.8465
753.3665	7	E	12	1495.6375	748.3227
916.4298	8	Y	11	1366.5949	683.8014
1047.4703	9	M	10	1203.5316	602.2697
1175.5289	10	Q	9	**1072.4911**	536.7495
1290.5558	11	D	8	**944.4325**	472.7202
1387.6086	12	P	7	**829.4056**	**415.2067**
1502.6355	13	D	6	**732.3528**	366.6803
1631.6781	14	E	5	**617.3259**	309.1668
1760.7207	15	E	4	**488.2833**	**244.6455**
1831.7578	16	A	3	**359.2407**	180.1243
1944.8419	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

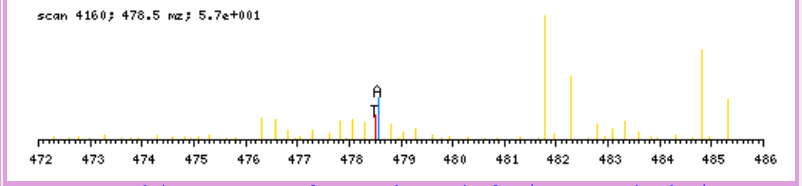
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AQPAGAEKPEAKVLFDR, MH+ 1911.0704, m/z 478.5231
L OS G34 P160811 220811-s1.04163.04163.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



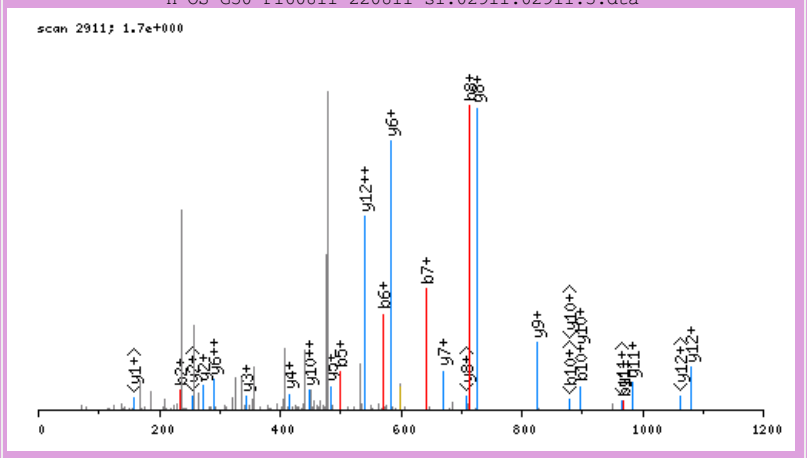
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
228.1348	2	Q	16	1812.0020	906.5049
325.1876	3	P	15	1683.9435	842.4756
396.2247	4	A	14	1586.8907	**793.9493**
453.2461	5	G	13	1515.8536	758.4307
524.2832	6	A	12	1458.8321	729.9200
653.3258	7	E	11	1387.7950	694.4014
809.4521	8	K	10	1258.7524	**629.8801**
906.5049	9	P	9	1102.6261	**551.8170**
1035.5475	10	E	8	1005.5733	503.2906
1106.5846	11	A	7	876.5307	**438.7693**
1262.7109	12	K	6	805.4936	403.2507
1361.7793	13	V	5	**649.3673**	325.1876
1474.8634	14	L	4	**550.2989**	275.6534
1621.9318	15	F	3	**437.2149**	219.1113
1736.9587	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

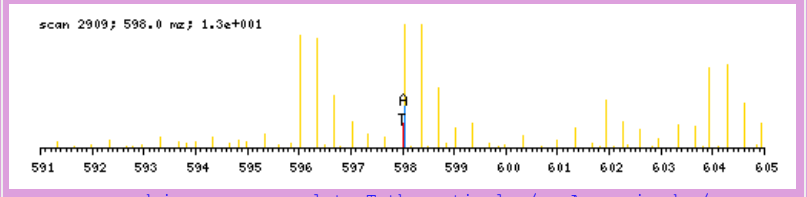
N-term:+29.04 K(8):+156.13
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

AQPPAAAAPSAVGSPAAAPR, MH+ 1791.9929, m/z 598.0025
H OS G30 P160811 220811-s1.02911.02911.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



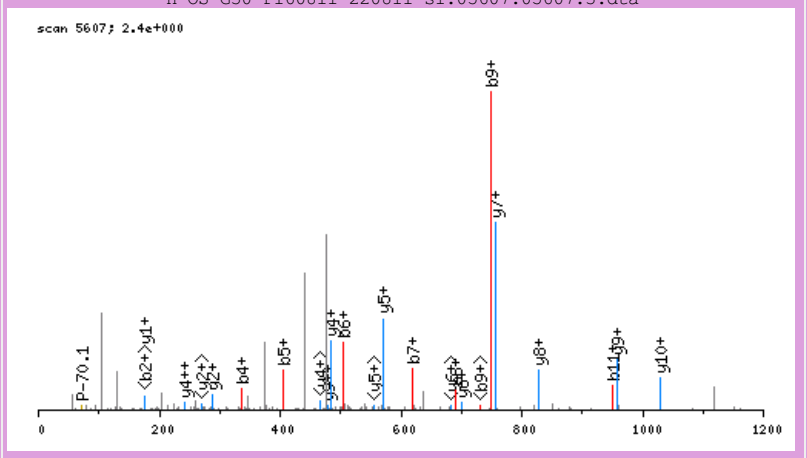
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
234.1666	2	Q	19	1686.8927	843.9503
331.2194	3	P	18	1558.8342	779.9210
428.2721	4	P	17	1461.7814	731.3946
499.3092	5	A	16	1364.7286	682.8682
570.3463	6	A	15	1293.6915	647.3497
641.3835	7	A	14	1222.6544	611.8311
712.4206	8	A	13	1151.6173	576.3126
809.4733	9	P	12	1080.5802	540.7940
896.5054	10	S	11	983.5274	492.2676
967.5425	11	A	10	896.4954	448.7516
1066.6109	12	V	9	825.4583	413.2331
1123.6324	13	G	8	726.3899	363.6988
1210.6644	14	S	7	669.3684	335.1881
1307.7172	15	P	6	582.3364	291.6721
1378.7543	16	A	5	485.2836	243.1457
1449.7914	17	A	4	414.2465	207.6272
1520.8285	18	A	3	343.2094	172.1086
1617.8813	19	P	2	272.1723	136.5900
	20	R	1	175.1195	88.0637

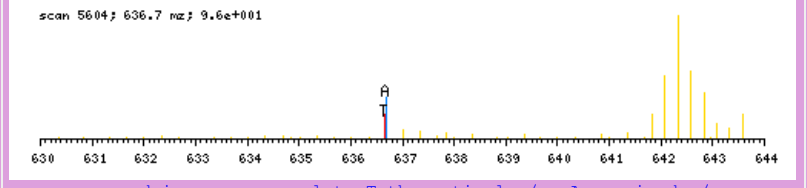
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASAAAVDAGMAMAGQSPVLR, MH+ 1907.9895, m/z 636.6680
H OS G30 P160811 220811-s1.05607.05607.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



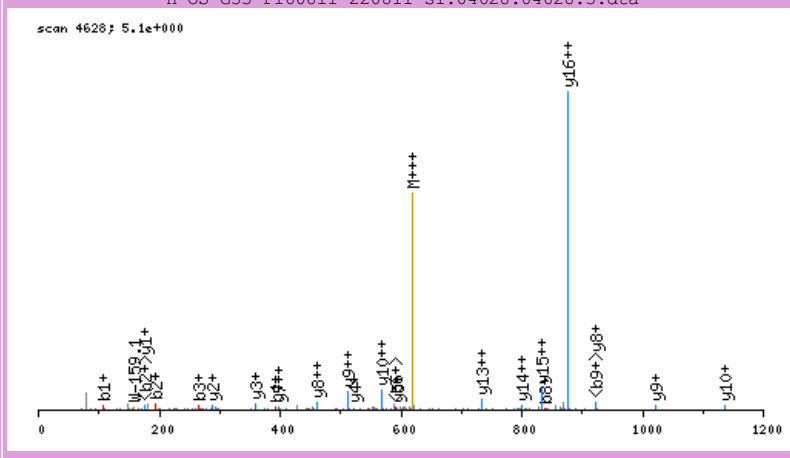
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
193.1400	2	S	19	1802.8893	901.9486
264.1772	3	A	18	1715.8573	858.4326
335.2143	4	A	17	1644.8202	822.9140
406.2514	5	A	16	1573.7831	787.3954
505.3198	6	V	15	1502.7459	751.8769
620.3467	7	D	14	1403.6775	702.3427
691.3839	8	A	13	1288.6506	644.8292
748.4053	9	G	12	1217.6135	609.3106
879.4458	10	M	11	1160.5920	580.7999
950.4829	11	A	10	**1029.5515**	515.2797
1081.5234	12	M	9	**958.5144**	**479.7611**
1152.5605	13	A	8	**827.4739**	414.2409
1209.5820	14	G	7	**756.4368**	378.7223
1337.6406	15	Q	6	**699.4153**	350.2116
1424.6726	16	S	5	**571.3568**	286.1823
1521.7253	17	P	4	**484.3247**	**242.6663**
1620.7938	18	V	3	387.2720	194.1399
1733.8778	19	L	2	**288.2036**	144.6057
	20	R	1	**175.1195**	88.0637

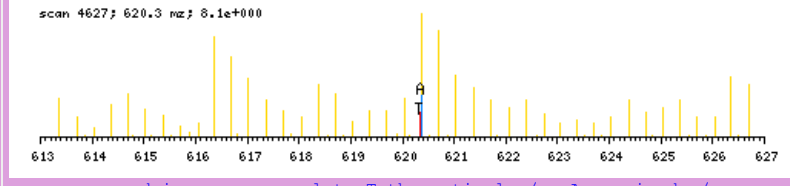
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASAESEDDVEEAAKALR, MH+ 1858.9670, m/z 620.3272
H OS G33 P160811 220811-s1.04628.04628.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



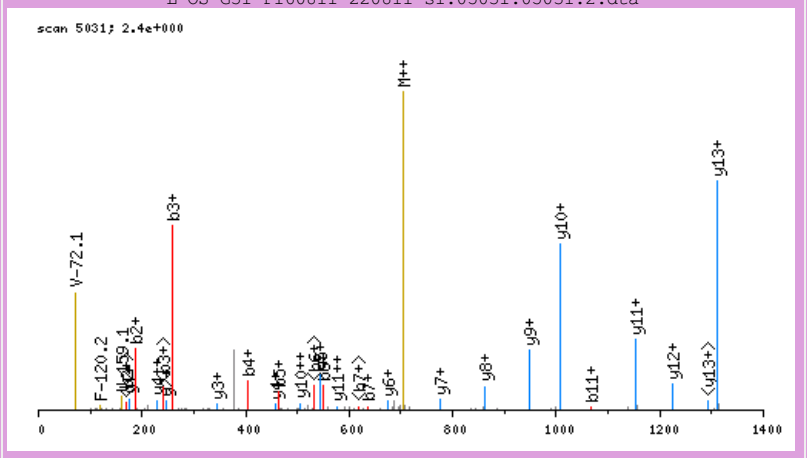
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
193.1400	2	S	16	1753.8668	877.4373
264.1772	3	A	15	1666.8348	833.9213
393.2197	4	E	14	1595.7977	798.4028
480.2518	5	S	13	1466.7551	733.8815
609.2944	6	E	12	1379.7231	690.3655
724.3213	7	D	11	1250.6805	625.8442
839.3483	8	D	10	1135.6535	568.3307
938.4167	9	V	9	1020.6266	510.8172
1067.4593	10	E	8	921.5582	461.2830
1196.5019	11	E	7	792.5156	396.7617
1267.5390	12	A	6	663.4730	332.2404
1338.5761	13	A	5	592.4359	296.7219
1500.7342	14	K	4	521.3988	261.2033
1571.7713	15	A	3	359.2407	180.1243
1684.8554	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

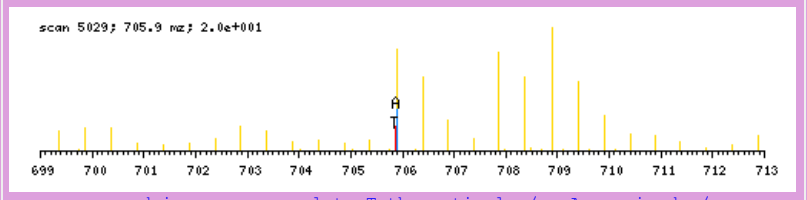
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASAFGSSTESLVAR, MH+ 1410.7229, m/z 705.8651
L OS G31 P160811 220811-s1.05031.05031.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



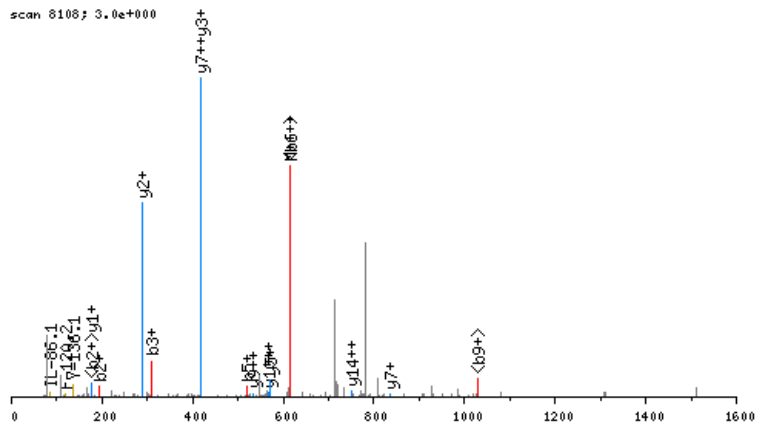
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
187.1082	2	S	13	1311.6545	656.3311
258.1454	3	A	12	1224.6224	612.8151
405.2138	4	F	11	1153.5853	577.2966
462.2352	5	G	10	1006.5169	503.7624
549.2673	6	S	9	949.4954	475.2516
636.2993	7	S	8	862.4634	431.7356
737.3470	8	T	7	775.4314	388.2196
866.3896	9	E	6	674.3837	337.6958
953.4216	10	S	5	545.3411	273.1745
1066.5057	11	L	4	458.3091	229.6585
1165.5741	12	V	3	345.2250	173.1164
1236.6112	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

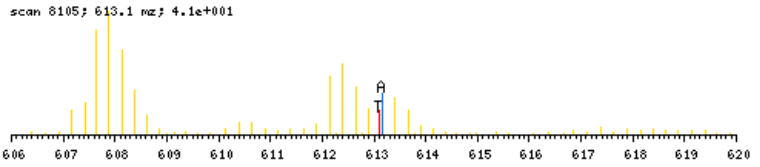
N-term:+29.04

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ASDPILYRPVAVALDTKGPEIR, MH+ 2449.4455, m/z 613.1168
H OS G34 P160811 220811-s1.08108.08108.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



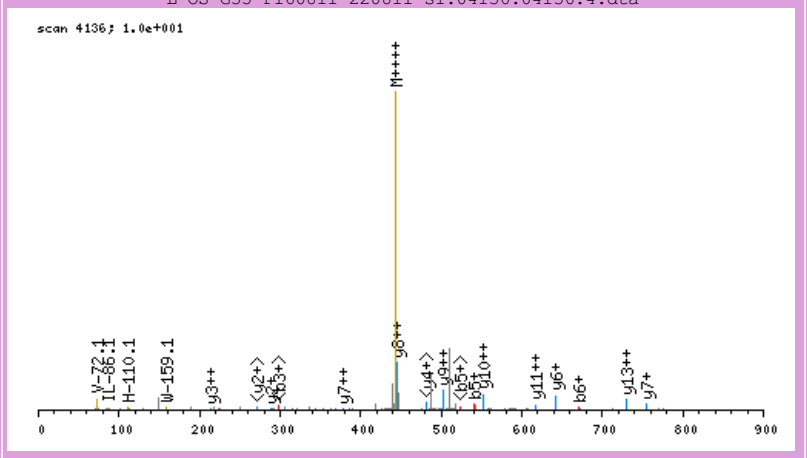
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	22		
193.1400	2	S	21	2344.3453	1172.6766
308.1670	3	D	20	2257.3133	1129.1605
405.2197	4	P	19	2142.2863	1071.6471
518.3038	5	I	18	2045.2336	1023.1207
631.3879	6	L	17	1932.1495	966.5787
794.4512	7	Y	16	1819.0654	910.0366
950.5523	8	R	15	1656.0021	828.5050
1047.6051	9	P	14	1499.9010	**750.4544**
1146.6735	10	V	13	1402.8482	701.9280
1217.7106	11	A	12	1303.7798	652.3938
1316.7790	12	V	11	1232.7427	616.8753
1387.8161	13	A	10	1133.6743	**567.3411**
1500.9002	14	L	9	1062.6372	**531.8225**
1615.9271	15	D	8	949.5531	475.2805
1716.9748	16	T	7	**834.5262**	**417.7670**
1879.1329	17	K	6	733.4785	367.2432
1936.1544	18	G	5	**571.3204**	286.1641
2033.2071	19	P	4	514.2989	257.6534
2162.2497	20	E	3	**417.2462**	209.1270
2275.3338	21	I	2	**288.2036**	144.6057
	22	R	1	**175.1195**	88.0637

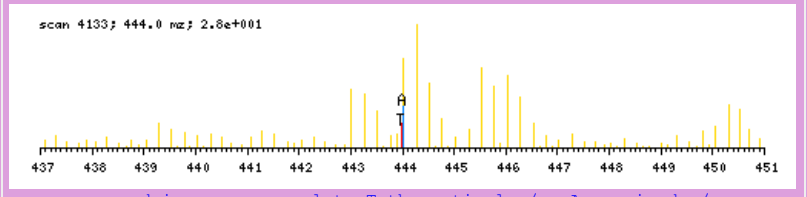
N-term:+35.07 K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASEPQEVLHIGSAHNR, MH+ 1772.9043, m/z 443.9815
L OS G35 P160811 220811-s1.04136.04136.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



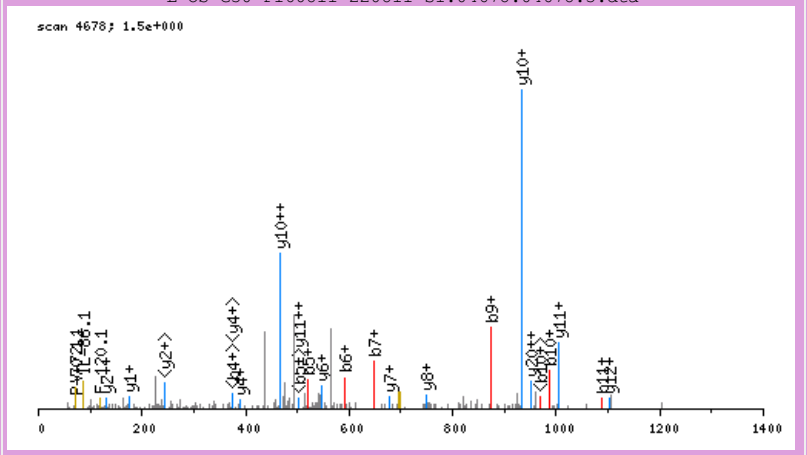
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
187.1082	2	S	15	1673.8360	837.4219
316.1508	3	E	14	1586.8039	793.9059
413.2036	4	P	13	1457.7613	**729.3846**
541.2622	5	Q	12	1360.7086	680.8582
670.3048	6	E	11	1232.6500	**616.8289**
769.3732	7	V	10	1103.6074	**552.3076**
882.4572	8	L	9	1004.5390	**502.7734**
1019.5162	9	H	8	891.4549	**446.2314**
1132.6002	10	I	7	**754.3960**	**377.7019**
1189.6217	11	G	6	**641.3119**	321.1599
1276.6537	12	S	5	584.2905	292.6492
1347.6908	13	A	4	497.2585	249.1331
1484.7497	14	H	3	426.2213	**213.6146**
1598.7927	15	N	2	**289.1624**	145.0851
	16	R	1	175.1195	88.0637

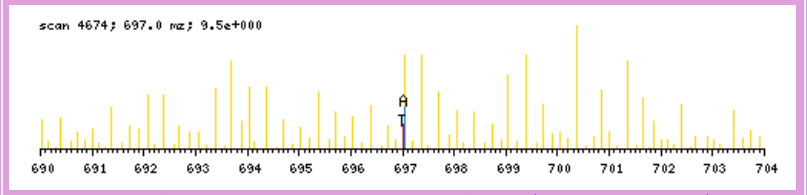
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ASFGEAGPEIVAPSAEGTAGSR, MH+ 2089.0202, m/z 697.0116
L OS G30 P160811 220811-s1.04678.04678.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



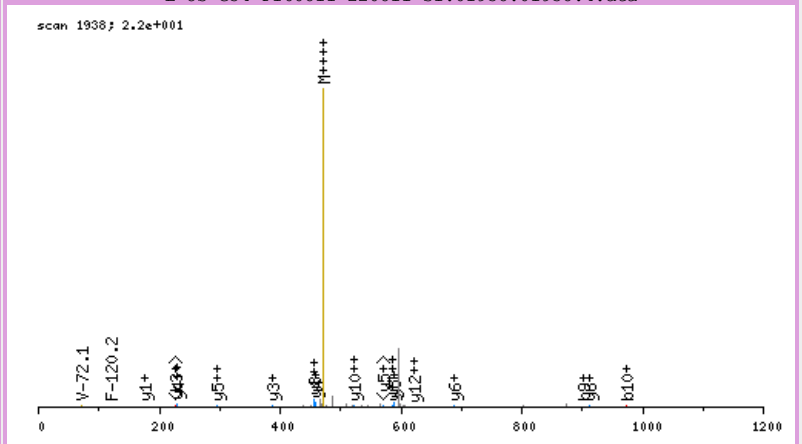
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	22		
187.1082	2	S	21	1989.9518	995.4798
334.1767	3	F	20	1902.9197	**951.9638**
391.1981	4	G	19	1755.8513	878.4296
520.2407	5	E	18	1698.8299	849.9188
591.2778	6	A	17	1569.7873	785.3975
648.2993	7	G	16	1498.7502	749.8790
745.3521	8	P	15	1441.7287	721.3683
874.3946	9	E	14	1344.6759	672.8419
987.4787	10	I	13	1215.6333	608.3206
1086.5471	11	V	12	**1102.5493**	551.7786
1157.5842	12	A	11	**1003.4809**	**502.2443**
1254.6370	13	P	10	**932.4437**	**466.7258**
1341.6690	14	S	9	835.3910	418.1994
1412.7061	15	A	8	**748.3590**	374.6834
1541.7487	16	E	7	**677.3218**	339.1648
1598.7702	17	G	6	**548.2792**	274.6435
1699.8179	18	T	5	491.2578	246.1328
1770.8550	19	A	4	**390.2101**	195.6090
1827.8765	20	G	3	319.1730	160.0904
1914.9085	21	S	2	262.1515	**131.5797**
	22	R	1	**175.1195**	88.0637

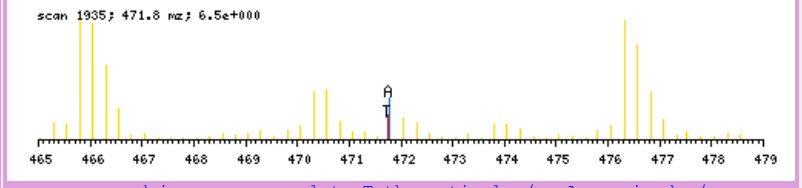
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASGDKEAEGAPQVEAGKR, MH+ 1883.9827, m/z 471.7511
L OS G34 P160811 220811-s1.01938.01938.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



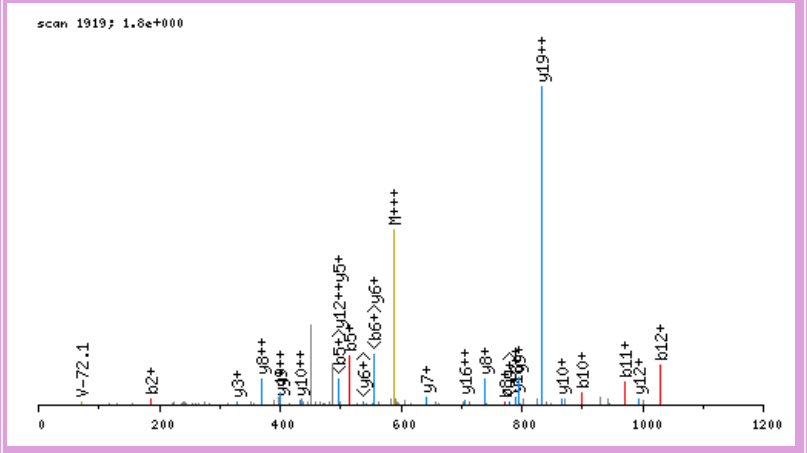
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
187.1082	2	S	17	1784.9143	892.9611
244.1297	3	G	16	1697.8823	849.4451
359.1566	4	D	15	1640.8608	820.9343
515.2829	5	K	14	1525.8339	763.4209
644.3255	6	E	13	1369.7076	685.3577
715.3627	7	A	12	1240.6650	**620.8364**
844.4052	8	E	11	1169.6279	**585.3179**
901.4267	9	G	10	1040.5853	**520.7966**
972.4638	10	A	9	983.5638	492.2858
1069.5166	11	P	8	**912.5267**	**456.7673**
1197.5752	12	Q	7	815.4740	408.2409
1296.6436	13	V	6	**687.4154**	344.2116
1425.6862	14	E	5	**588.3470**	**294.6774**
1496.7233	15	A	4	**459.3044**	**230.1561**
1553.7448	16	G	3	**388.2673**	194.6375
1709.8711	17	K	2	331.2458	166.1268
	18	R	1	**175.1195**	88.0637

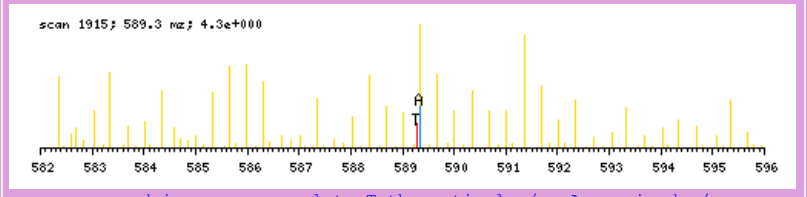
N-term:+29.04 K(5):+156.13
K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASGDRGEAGAAGPSGPAGPR, MH+ 1765.8581, m/z 589.2909
L OS G34 P160811 220811-s1.01919.01919.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



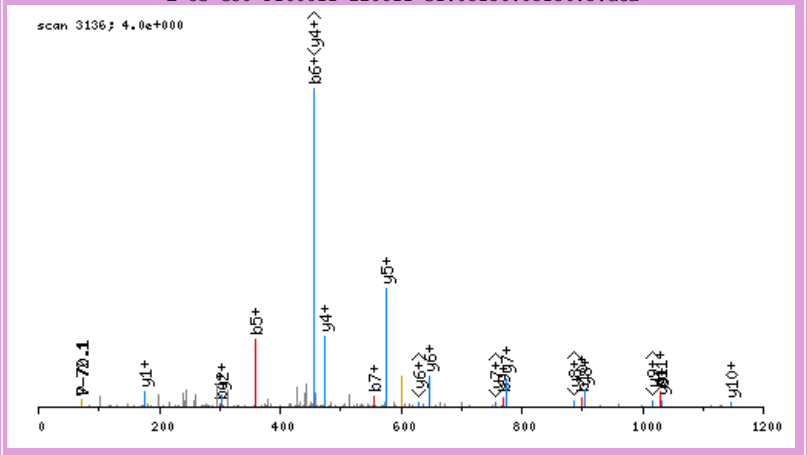
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
187.1082	2	S	19	1666.7897	**833.8988**
244.1297	3	G	18	1579.7577	**790.3828**
359.1566	4	D	17	1522.7362	761.8720
515.2578	5	R	16	1407.7093	**704.3586**
572.2792	6	G	15	1251.6082	626.3080
701.3218	7	E	14	1194.5867	597.7973
772.3589	8	A	13	1065.5441	533.2760
829.3804	9	G	12	**994.5070**	**497.7574**
900.4175	10	A	11	937.4856	469.2467
971.4546	11	A	10	**866.4484**	**433.7281**
1028.4761	12	G	9	**795.4113**	**398.2096**
1125.5288	13	P	8	**738.3899**	**369.6988**
1212.5609	14	S	7	**641.3371**	321.1725
1269.5823	15	G	6	**554.3051**	277.6564
1366.6351	16	P	5	**497.2836**	249.1457
1437.6722	17	A	4	**400.2308**	200.6193
1494.6937	18	G	3	**329.1937**	165.1008
1591.7464	19	P	2	272.1723	136.5900
	20	R	1	175.1195	88.0637

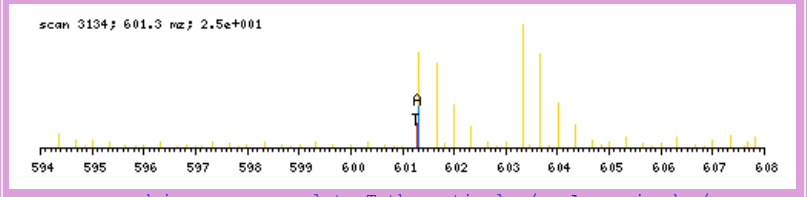
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASGGGVPTDEEQATGLER, MH+ 1801.8568, m/z 601.2904
L OS G30 P160811 220811-s1.03136.03136.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



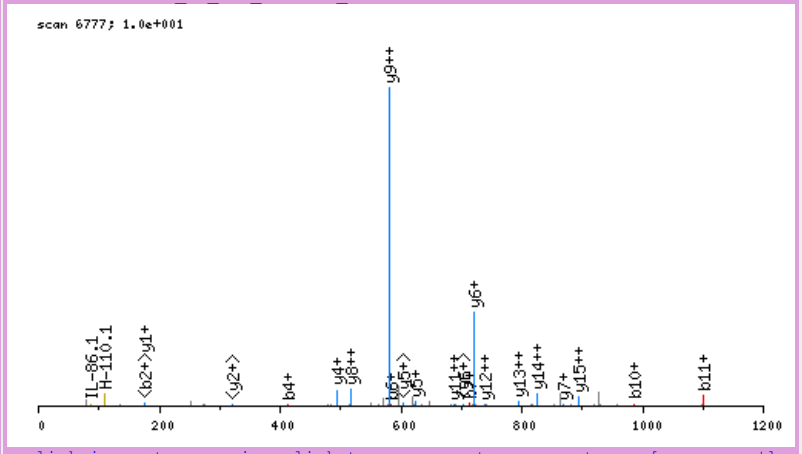
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
187.1082	2	S	17	1702.7884	851.8981
244.1297	3	G	16	1615.7564	808.3821
301.1512	4	G	15	1558.7349	779.8714
358.1726	5	G	14	1501.7134	751.3606
457.2410	6	V	13	1444.6920	722.8499
554.2938	7	P	12	1345.6236	673.3157
655.3415	8	T	11	1248.5708	624.7893
770.3684	9	D	10	**1147.5231**	574.2655
899.4110	10	E	9	**1032.4962**	516.7520
1028.4536	11	E	8	**903.4536**	452.2307
1156.5122	12	Q	7	**774.4110**	387.7094
1227.5493	13	A	6	**646.3524**	323.6801
1328.5970	14	T	5	**575.3153**	288.1616
1385.6185	15	G	4	**474.2676**	237.6377
1498.7025	16	L	3	417.2462	209.1270
1627.7451	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

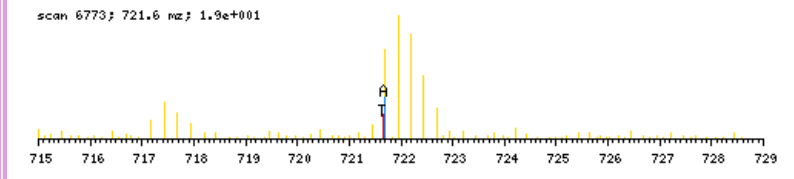
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASGKTAESGELHGLTTDEKFVEGVYR, MH+ 2883.5589, m/z 721.6452
H_OS_G35_P160811_220811-s1.06777.06777.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

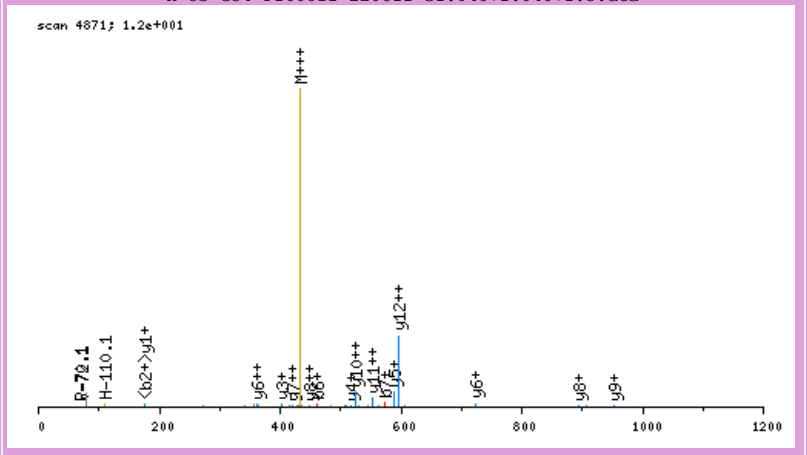


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

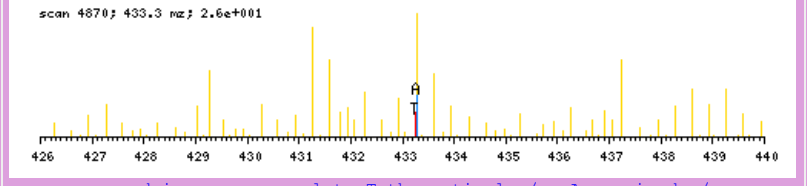
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	26		
193.1400	2	S	25	2778.4587	1389.7333
250.1615	3	G	24	2691.4267	1346.2172
412.3196	4	K	23	2634.4052	1317.7065
513.3673	5	T	22	2472.2471	1236.6275
584.4044	6	A	21	2371.1994	1186.1036
713.4470	7	E	20	2300.1623	1150.5851
800.4790	8	S	19	2171.1197	1086.0638
857.5005	9	G	18	2084.0877	1042.5478
986.5431	10	E	17	2027.0662	1014.0370
1099.6271	11	L	16	1898.0236	949.5157
1236.6861	12	H	15	1784.9396	**892.9737**
1293.7075	13	G	14	1647.8806	**824.4442**
1406.7916	14	L	13	1590.8592	**795.9335**
1507.8393	15	T	12	1477.7751	**739.3915**
1608.8869	16	T	11	1376.7274	**688.8676**
1723.9139	17	D	10	1275.6798	638.3438
1852.9565	18	E	9	1160.6528	**580.8303**
2015.1146	19	K	8	1031.6102	**516.3090**
2162.1830	20	F	7	**869.4521**	435.2300
2261.2514	21	V	6	**722.3837**	361.6958
2390.2940	22	E	5	**623.3153**	312.1616
2447.3155	23	G	4	**494.2727**	247.6403
2546.3839	24	V	3	437.2512	219.1295
2709.4472	25	Y	2	338.1828	169.5953
	26	R	1	**175.1195**	88.0637

N-term:+35.07 K(4):+162.16
K(19):+162.16

ASGPGGLHADLLR, MH+ 1297.7440, m/z 433.2529
H_OS_G34_P160811_220811-s1.04871.04871.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

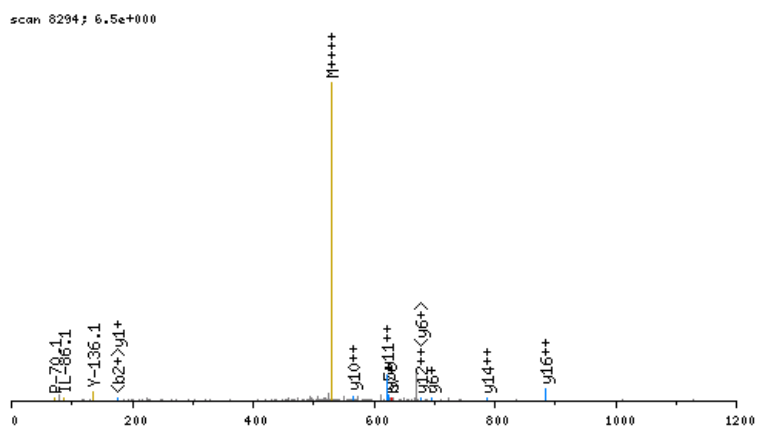
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
193.1400	2	S	12	1192.6438	**596.8258**
250.1615	3	G	11	1105.6118	**553.3098**
347.2143	4	P	10	1048.5904	**524.7991**
404.2357	5	G	9	**951.5376**	476.2727
461.2572	6	G	8	**894.5161**	**447.7620**
574.3413	7	L	7	837.4947	**419.2512**
711.4002	8	H	6	**724.4106**	**362.7092**
782.4373	9	A	5	**587.3517**	294.1798
897.4642	10	D	4	**516.3146**	258.6612
1010.5483	11	L	3	**401.2876**	201.1477
1123.6324	12	L	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

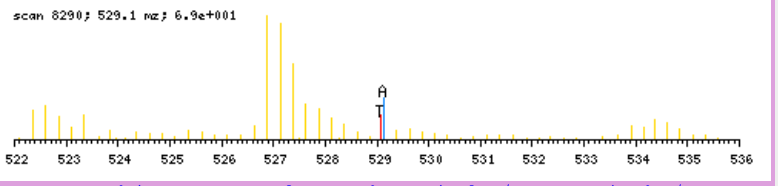
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ASGPPVSELITKAVAASKER, MH+ 2113.3081, m/z 529.0825
H OS G34 P160811 220811-s1.08294.08294.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



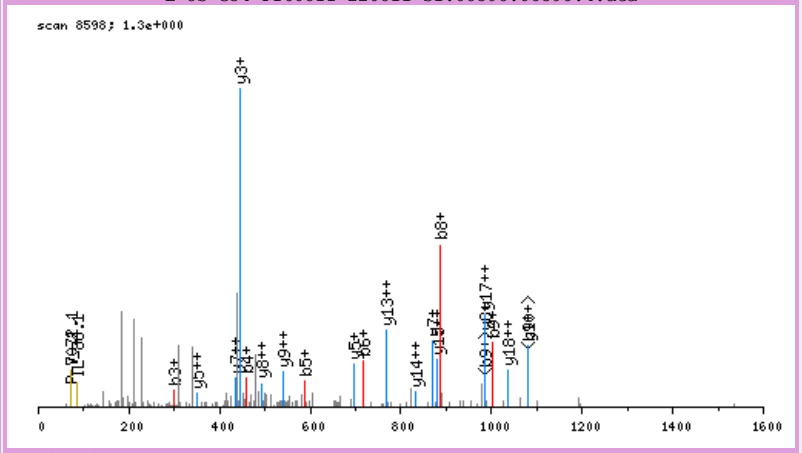
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
193.1400	2	S	19	2008.2079	1004.6079
250.1615	3	G	18	1921.1759	961.0919
347.2143	4	P	17	1864.1544	932.5811
444.2670	5	P	16	1767.1017	**884.0548**
543.3354	6	V	15	1670.0489	835.5284
630.3675	7	S	14	1570.9805	**785.9942**
759.4101	8	E	13	1483.9485	742.4782
872.4941	9	L	12	1354.9059	**677.9569**
985.5782	10	I	11	1241.8218	**621.4148**
1086.6259	11	T	10	1128.7378	**564.8728**
1248.7840	12	K	9	1027.6901	514.3490
1319.8211	13	A	8	865.5320	433.2699
1418.8895	14	V	7	794.4949	397.7513
1489.9266	15	A	6	**695.4264**	348.2171
1560.9637	16	A	5	**624.3893**	312.6986
1647.9958	17	S	4	553.3522	277.1800
1810.1539	18	K	3	466.3202	233.6640
1939.1965	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

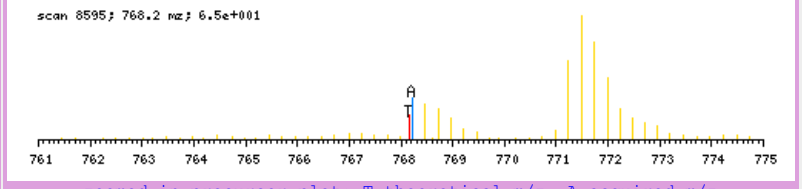
N-term:+35.07 K(12):+162.16
K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASICQQNGIVPIVEPEILPDGDHDLKR, MH+ 3069.6043, m/z 768.1565
L OS G34 P160811 220811-s1.08598.08598.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



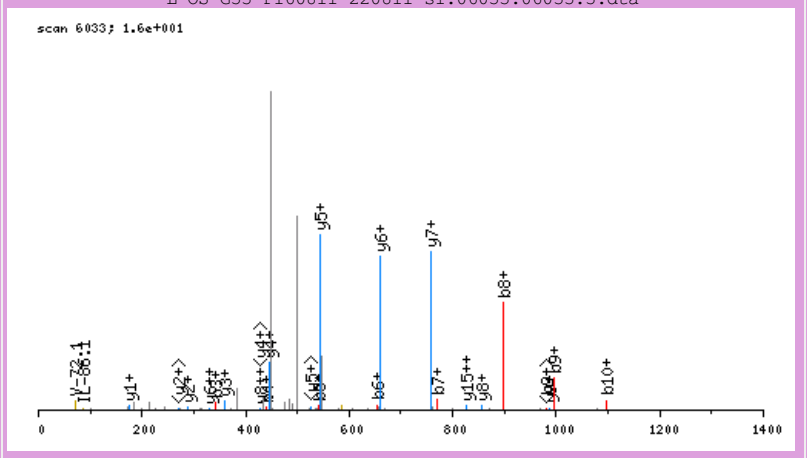
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	27		
187.1082	2	S	26	2970.5359	1485.7718
300.1923	3	I	25	2883.5038	1442.2558
460.2229	4	C	24	2770.4198	1385.7138
588.2815	5	Q	23	2610.3892	1305.6985
716.3401	6	Q	22	2482.3306	1241.6692
830.3830	7	N	21	2354.2720	1177.6399
887.4045	8	G	20	2240.2291	1120.6185
1000.4885	9	I	19	2183.2076	1092.1077
1099.5569	10	V	18	2070.1236	**1035.5657**
1196.6097	11	P	17	1971.0552	**986.0315**
1309.6938	12	I	16	1874.0024	937.5051
1408.7622	13	V	15	1760.9183	**880.9631**
1537.8048	14	E	14	1661.8499	**831.4289**
1634.8575	15	P	13	1532.8073	**766.9076**
1763.9001	16	E	12	1435.7546	718.3812
1876.9842	17	I	11	1306.7120	653.8599
1990.0683	18	L	10	1193.6279	597.3179
2087.1210	19	P	9	**1080.5438**	**540.7758**
2202.1480	20	D	8	**983.4911**	**492.2494**
2259.1694	21	G	7	**868.4641**	**434.7360**
2374.1964	22	D	6	811.4427	406.2252
2511.2553	23	H	5	**696.4157**	**348.7118**
2626.2822	24	D	4	559.3568	280.1823
2739.3663	25	L	3	**444.3299**	222.6688
2895.4926	26	K	2	331.2458	166.1268
	27	R	1	175.1195	88.0637

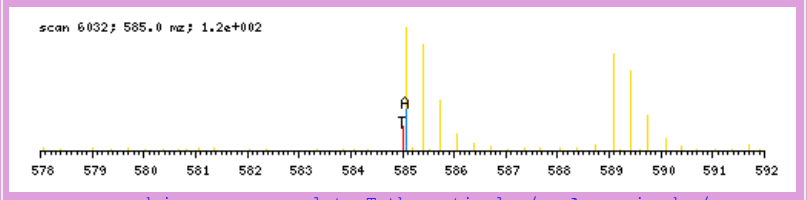
N-term:+29.04 C(4):+160.03
K(26):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASKPTLNEVVIVSAIR, MH+ 1753.0588, m/z 585.0244
L OS G33 P160811 220811-s1.06033.06033.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



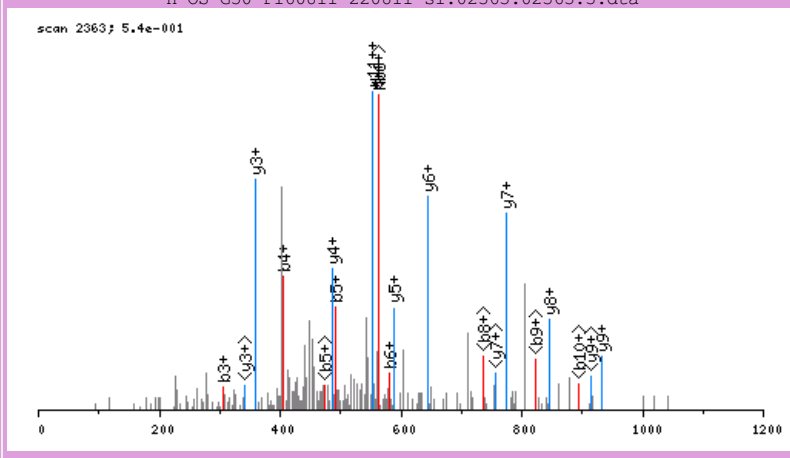
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
187.1082	2	S	15	1653.9904	**827.4991**
343.2345	3	K	14	1566.9583	783.9831
440.2873	4	P	13	1410.8320	705.9199
541.3350	5	T	12	1313.7793	657.3936
654.4190	6	L	11	1212.7316	606.8697
768.4620	7	N	10	1099.6475	550.3277
897.5046	8	E	9	**985.6046**	493.3062
996.5730	9	V	8	**856.5620**	**428.7849**
1095.6414	10	V	7	**757.4936**	379.2507
1208.7255	11	I	6	**658.4252**	**329.7165**
1307.7939	12	V	5	**545.3411**	273.1745
1394.8259	13	S	4	**446.2727**	223.6403
1465.8630	14	A	3	**359.2407**	180.1243
1578.9471	15	I	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

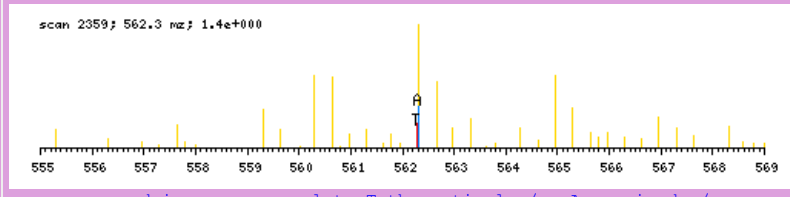
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASLVSSSSSAEGTQPSR, MH+ 1684.8566, m/z 562.2904
H OS G30 P160811 220811-s1.02363.02363.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



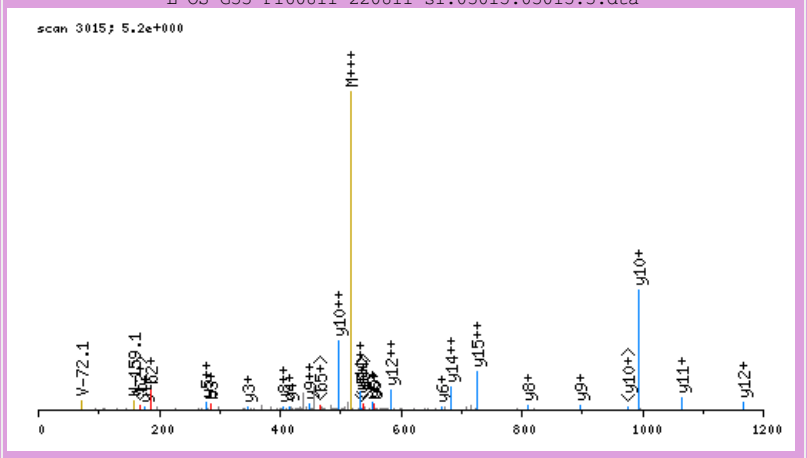
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
193.1400	2	S	16	1579.7564	790.3821
306.2241	3	L	15	1492.7243	746.8661
405.2925	4	V	14	1379.6403	690.3241
492.3245	5	S	13	1280.5719	640.7898
579.3566	6	S	12	1193.5398	597.2738
666.3886	7	S	11	1106.5078	**553.7578**
753.4206	8	S	10	1019.4758	510.2418
840.4527	9	S	9	**932.4437**	466.7258
911.4898	10	A	8	**845.4117**	423.2098
1040.5324	11	E	7	**774.3746**	387.6912
1097.5538	12	G	6	**645.3320**	323.1699
1198.6015	13	T	5	**588.3105**	294.6592
1326.6601	14	Q	4	**487.2629**	244.1353
1423.7129	15	P	3	**359.2043**	180.1061
1510.7449	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

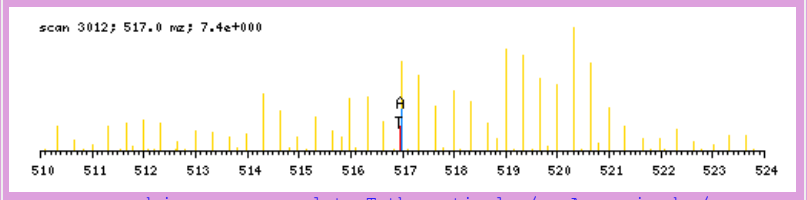
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASPVTAPSSGLHAAVR, MH+ 1548.8498, m/z 516.9548
L OS G33 P160811 220811-s1.03015.03015.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



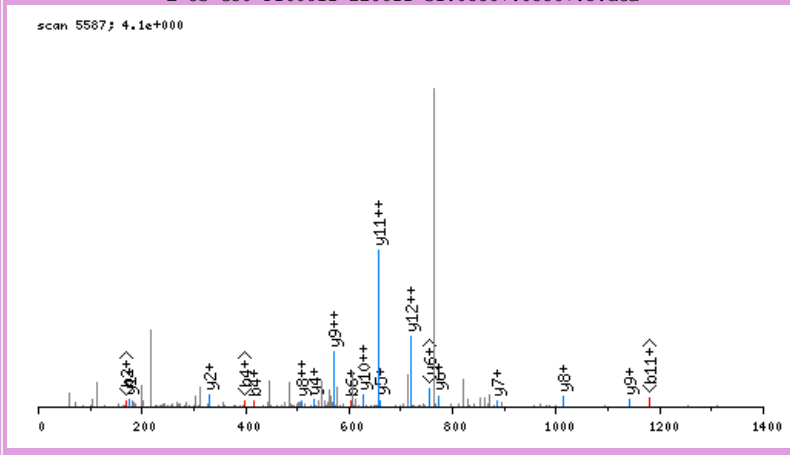
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
187.1082	2	S	15	1449.7814	725.3946
284.1610	3	P	14	1362.7494	681.8786
383.2294	4	V	13	1265.6966	633.3522
484.2771	5	T	12	1166.6282	583.8180
555.3142	6	A	11	1065.5805	533.2942
652.3670	7	P	10	994.5434	497.7756
739.3990	8	S	9	897.4906	449.2492
826.4310	9	S	8	810.4586	405.7332
883.4525	10	G	7	723.4266	362.2172
996.5366	11	L	6	666.4051	333.7065
1133.5955	12	H	5	553.3211	277.1644
1204.6326	13	A	4	416.2621	208.6350
1275.6697	14	A	3	345.2250	173.1164
1374.7381	15	V	2	274.1879	137.5979
	16	R	1	175.1195	88.0637

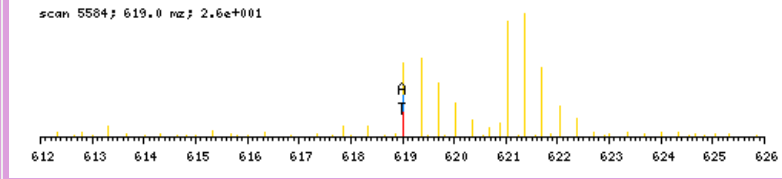
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASQTQGIQQLLQAEKR, MH+ 1855.0401, m/z 619.0182
L OS G30 P160811 220811-s1.05587.05587.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



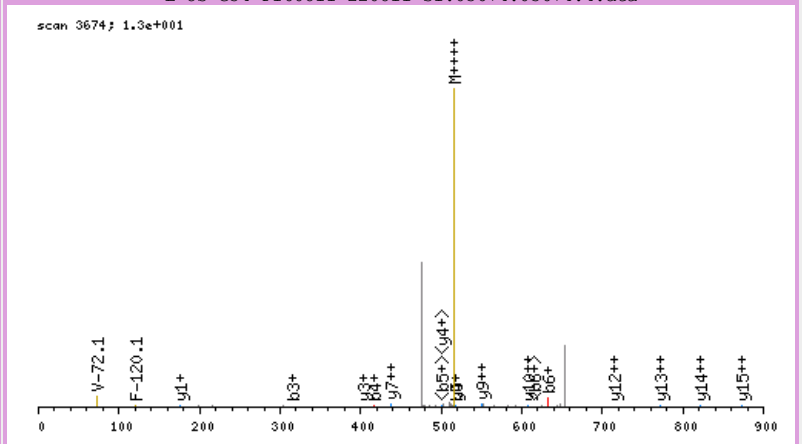
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
187.1082	2	S	15	1755.9718	878.4898
315.1668	3	Q	14	1668.9397	834.9738
416.2145	4	T	13	1540.8812	770.9445
544.2731	5	Q	12	1439.8335	**720.4206**
601.2945	6	G	11	1311.7749	**656.3914**
714.3786	7	I	10	1254.7534	**627.8806**
842.4372	8	Q	9	**1141.6694**	**571.3386**
970.4958	9	Q	8	**1013.6108**	**507.3093**
1083.5798	10	L	7	**885.5522**	443.2800
1196.6639	11	L	6	**772.4681**	386.7380
1324.7225	12	Q	5	**659.3841**	330.1960
1395.7596	13	A	4	**531.3255**	266.1667
1524.8022	14	E	3	460.2884	230.6481
1680.9285	15	K	2	**331.2458**	166.1268
	16	R	1	**175.1195**	88.0637

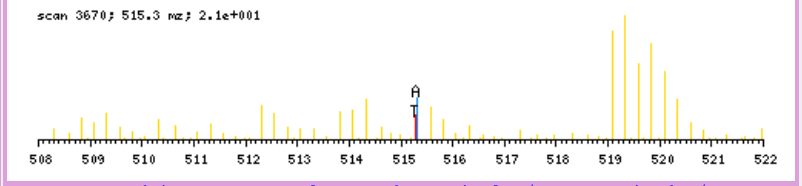
N-term:+29.04 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ASQTTDGKLPEVTKDVER, MH+ 2058.1083, m/z 515.2825
L OS G34 P160811 220811-s1.03674.03674.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



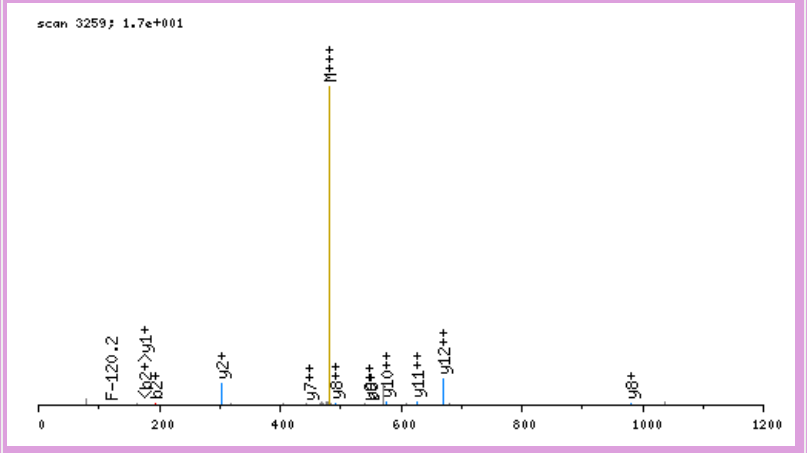
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
187.1082	2	S	17	1959.0399	980.0239
315.1668	3	Q	16	1872.0079	936.5079
416.2145	4	T	15	1743.9493	**872.4786**
517.2622	5	T	14	1642.9016	**821.9547**
632.2891	6	D	13	1541.8540	**771.4309**
689.3106	7	G	12	1426.8270	**713.9174**
845.4369	8	K	11	1369.8056	685.4067
958.5209	9	L	10	1213.6793	**607.3435**
1055.5737	10	P	9	1100.5952	**550.8015**
1184.6163	11	E	8	1003.5424	502.2751
1283.6847	12	V	7	874.4998	**437.7538**
1384.7324	13	T	6	775.4314	388.2196
1540.8587	14	K	5	674.3838	337.6958
1655.8856	15	D	4	**518.2575**	259.6326
1754.9541	16	V	3	**403.2305**	202.1192
1883.9966	17	E	2	304.1621	152.5850
	18	R	1	**175.1195**	88.0637

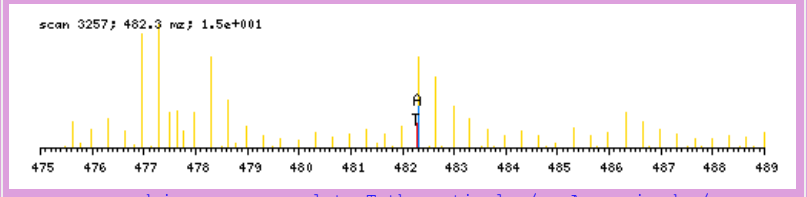
N-term:+29.04 K(8):+156.13
K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASTGLSLTKVDER, MH+ 1444.8647, m/z 482.2931
H OS G33 P160811 220811-s1.03259.03259.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



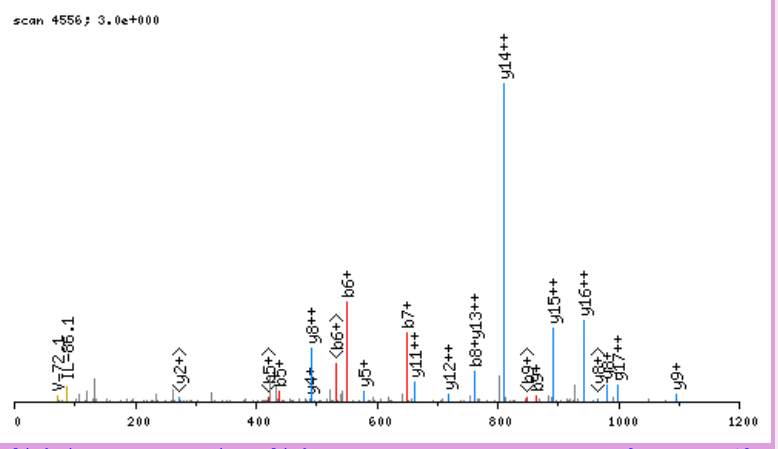
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
193.1400	2	S	12	1339.7646	**670.3862**
294.1877	3	T	11	1252.7325	**626.8702**
351.2092	4	G	10	1151.6848	**576.3463**
464.2932	5	L	9	1094.6634	**547.8356**
551.3253	6	S	8	**981.5793**	**491.2936**
664.4093	7	L	7	894.5473	**447.7776**
765.4570	8	T	6	781.4632	391.2355
927.6151	9	K	5	680.4156	340.7117
1026.6835	10	V	4	518.2575	259.6326
1141.7105	11	D	3	419.1890	210.0984
1270.7531	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

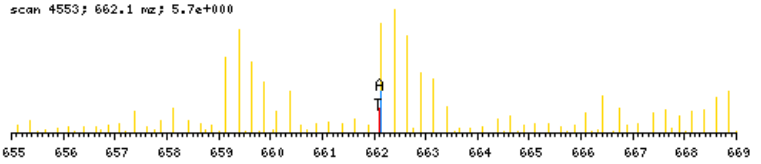
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASTGSLVITCPSNLNDLKESSNNR, MH+ 2645.3840, m/z 662.1015
H OS G32 P160811 220811-s1.04556.04556.4.dta



click image to zoom in; click top corners to zoom out [precursor]



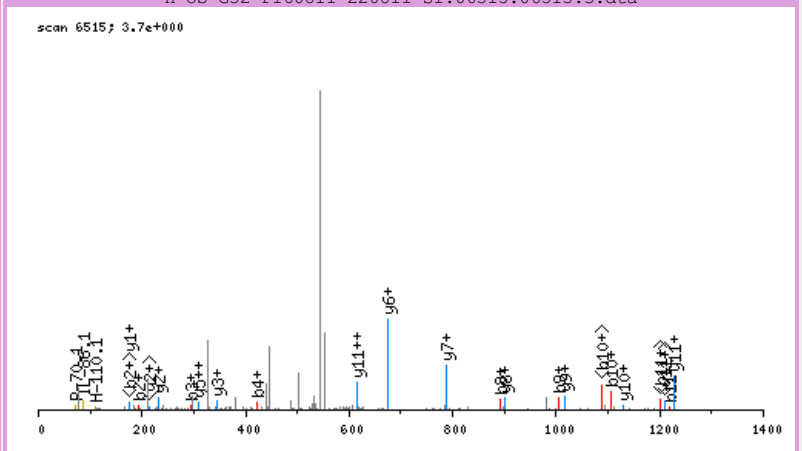
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	24		
193.1400	2	S	23	2540.2838	1270.6458
294.1877	3	T	22	2453.2518	1227.1298
351.2092	4	G	21	2352.2041	1176.6060
438.2412	5	S	20	2295.1827	1148.0952
551.3253	6	L	19	2208.1506	1104.5792
650.3937	7	V	18	2095.0666	1048.0372
763.4778	8	I	17	1995.9982	**998.5030**
864.5254	9	T	16	1882.9141	**941.9610**
1024.5560	10	C	15	1781.8664	**891.4371**
1121.6088	11	P	14	1621.8358	**811.4218**
1208.6408	12	S	13	1524.7831	**762.8954**
1322.6838	13	N	12	1437.7510	**719.3794**
1435.7678	14	L	11	1323.7081	**662.3580**
1549.8107	15	N	10	1210.6240	605.8159
1664.8377	16	D	9	**1096.5811**	548.7945
1777.9218	17	L	8	**981.5542**	**491.2810**
1940.0799	18	K	7	868.4701	434.7390
2069.1224	19	E	6	706.3120	353.6599
2156.1545	20	S	5	**577.2694**	289.1386
2243.1865	21	S	4	**490.2374**	245.6226
2357.2294	22	N	3	403.2054	202.1066
2471.2724	23	N	2	289.1624	145.0851
	24	R	1	175.1195	88.0637

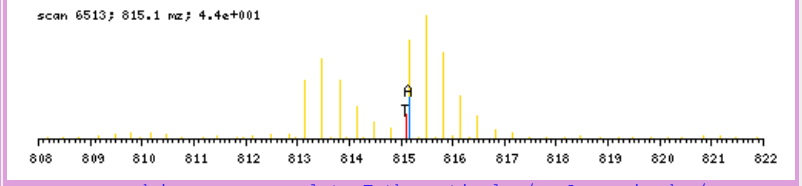
N-term:+35.07 C(10):+160.03
K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASTQTTHELTIPNNLIGCIIGR, MH+ 2443.3190, m/z 815.1112
H OS G32 P160811 220811-s1.06515.06515.3.dta



click image to zoom in; click top corners to zoom out [precursor]



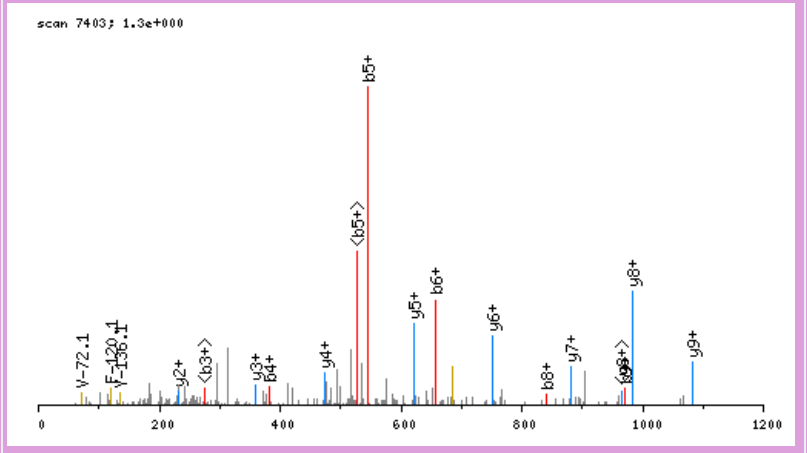
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	22		
193.1400	2	S	21	2338.2189	1169.6133
294.1877	3	T	20	2251.1868	1126.0973
422.2463	4	Q	19	2150.1391	1075.5735
523.2940	5	T	18	2022.0806	1011.5442
624.3417	6	T	17	1921.0329	961.0204
761.4006	7	H	16	1819.9852	910.4965
890.4432	8	E	15	1682.9263	841.9671
1003.5272	9	L	14	1553.8837	777.4458
1104.5749	10	T	13	1440.7996	720.9037
1217.6590	11	I	12	1339.7520	670.3799
1314.7117	12	P	11	**1226.6679**	**613.8379**
1428.7547	13	N	10	**1129.6151**	565.3115
1542.7976	14	N	9	**1015.5722**	508.2900
1655.8816	15	L	8	**901.5293**	451.2686
1768.9657	16	I	7	**788.4452**	394.7265
1825.9872	17	G	6	**675.3612**	338.1845
1986.0178	18	C	5	618.3397	**309.6738**
2099.1018	19	I	4	458.3091	229.6585
2212.1859	20	I	3	**345.2250**	173.1164
2269.2074	21	G	2	**232.1410**	116.5744
	22	R	1	**175.1195**	88.0637

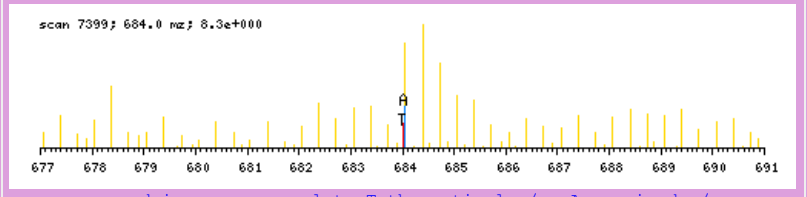
N-term:+35.07 C(18):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASTSYLPSQVTEMFNQGR, MH+ 2050.0127, m/z 684.0091
H OS G30 P160811 220811-s1.07403.07403.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



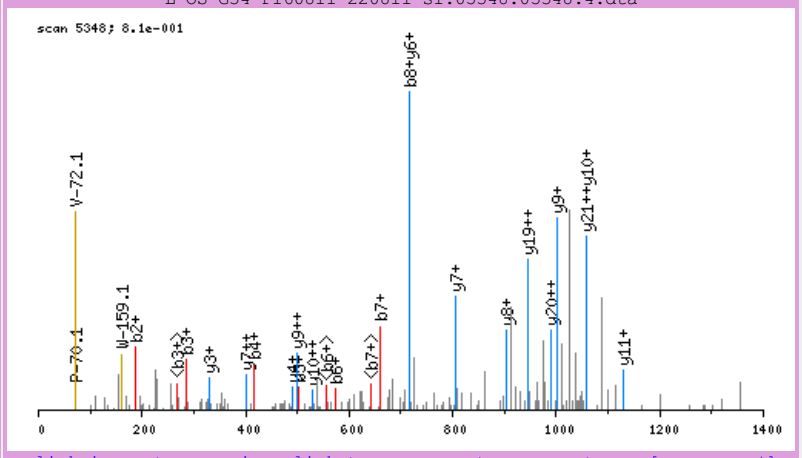
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
193.1400	2	S	17	1944.9126	972.9602
294.1877	3	T	16	1857.8805	929.4442
381.2197	4	S	15	1756.8328	878.9203
544.2831	5	Y	14	1669.8008	835.4043
657.3671	6	L	13	1506.7375	753.8727
754.4199	7	P	12	1393.6534	697.3306
841.4519	8	S	11	1296.6007	648.8042
969.5105	9	Q	10	1209.5686	605.2882
1068.5789	10	V	9	**1081.5101**	541.2589
1169.6266	11	T	8	**982.4416**	491.7247
1298.6692	12	E	7	**881.3940**	441.2009
1429.7097	13	M	6	**752.3514**	376.6796
1576.7781	14	F	5	**621.3109**	311.1594
1690.8210	15	N	4	**474.2425**	237.6251
1818.8796	16	Q	3	**360.1995**	180.6037
1875.9011	17	G	2	**232.1410**	116.5744
	18	R	1	175.1195	88.0637

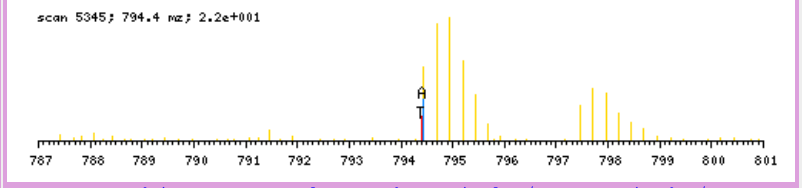
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASVESASGETLHSPKVGQPGAAGPVSPMCPGR, MH+ 3174.5676, m/z 794.3973
L OS G34 P160811 220811-s1.05348.05348.4.dta



click image to zoom in; click top corners to zoom out [precursor]



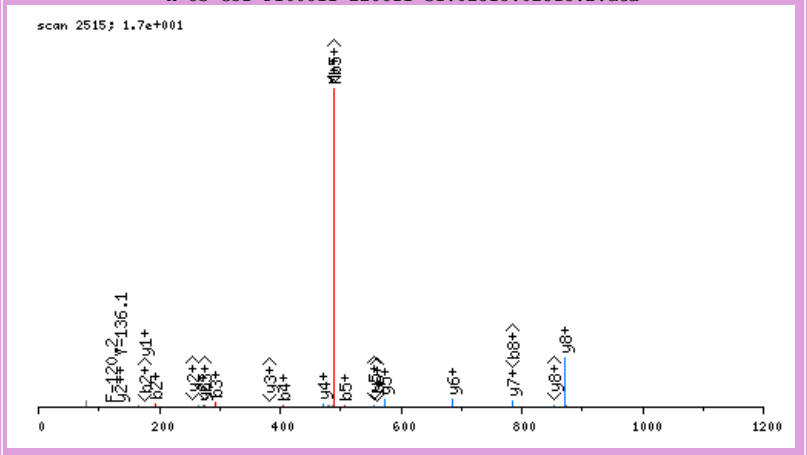
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	32		
187.1082	2	S	31	3075.4992	1538.2535
286.1767	3	V	30	2988.4671	1494.7375
415.2192	4	E	29	2889.3987	1445.2033
502.2513	5	S	28	2760.3561	1380.6820
573.2884	6	A	27	2673.3241	1337.1660
660.3204	7	S	26	2602.2870	1301.6474
717.3419	8	G	25	2515.2550	1258.1314
846.3845	9	E	24	2458.2335	1229.6207
947.4322	10	T	23	2329.1909	1165.0994
1060.5162	11	L	22	2228.1432	1114.5755
1197.5751	12	H	21	2115.0592	**1058.0335**
1284.6072	13	S	20	1978.0002	**989.5040**
1381.6599	14	P	19	1890.9682	**945.9880**
1537.7862	15	K	18	1793.9155	897.4616
1636.8546	16	V	17	1637.7892	819.3985
1693.8761	17	G	16	1538.7207	769.8643
1821.9347	18	Q	15	1481.6993	741.3536
1918.9874	19	P	14	1353.6407	677.3243
1976.0089	20	G	13	1256.5879	628.7979
2047.0460	21	A	12	1199.5665	600.2871
2118.0831	22	A	11	**1128.5294**	564.7686
2175.1046	23	G	10	**1057.4922**	**529.2500**
2272.1574	24	P	9	**1000.4708**	**500.7393**
2371.2258	25	V	8	**903.4180**	452.2129
2458.2578	26	S	7	**804.3496**	**402.6787**
2555.3106	27	P	6	**717.3176**	359.1627
2686.3511	28	M	5	620.2648	310.6363
2846.3817	29	C	4	**489.2243**	245.1161
2943.4344	30	P	3	**329.1937**	165.1008
3000.4559	31	G	2	232.1410	116.5744
	32	R	1	175.1195	88.0637

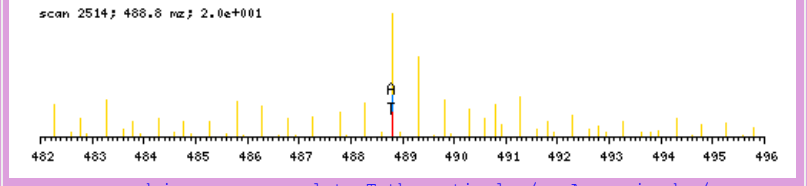
N-term:+29.04 K(15):+156.13
C(29):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ASVLTAQPR, MH+ 976.6003, m/z 488.8038
H OS G31 P160811 220811-s1.02515.02515.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



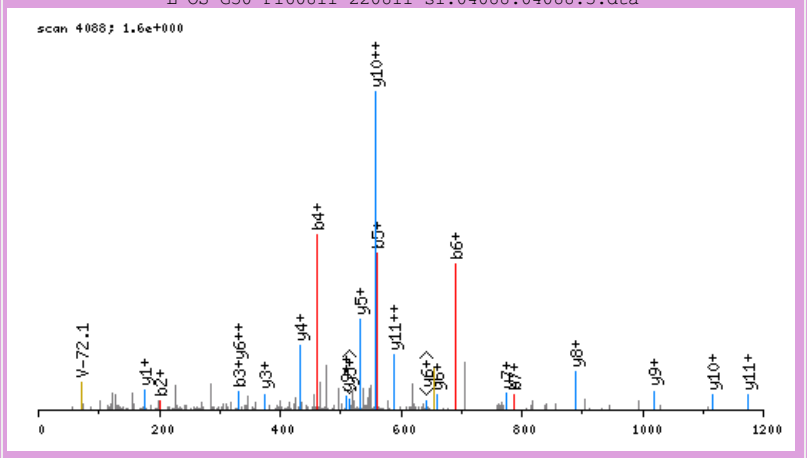
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	9		
193.1400	2	S	8	871.5001	436.2540
292.2085	3	V	7	784.4681	392.7380
405.2925	4	L	6	685.3997	343.2038
506.3402	5	T	5	572.3156	286.6617
577.3773	6	A	4	471.2680	236.1379
705.4359	7	Q	3	400.2308	200.6193
802.4887	8	P	2	272.1723	136.5900
	9	R	1	175.1195	88.0637

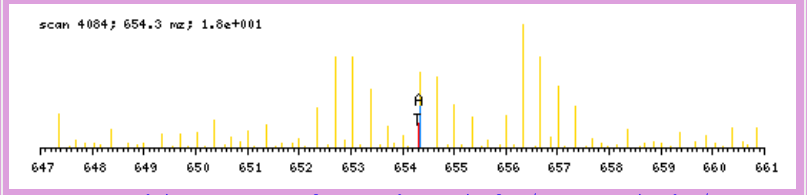
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ATEMVEVGPEDDEVGAER, MH+ 1960.8810, m/z 654.2985
L OS G30 P160811 220811-s1.04088.04088.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

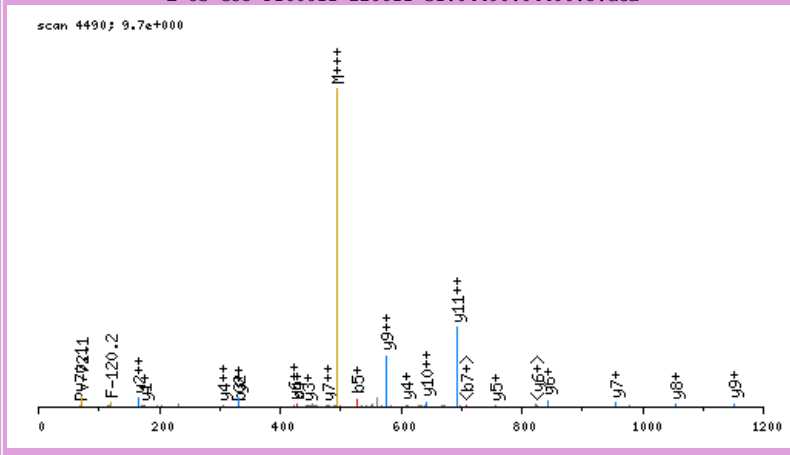


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

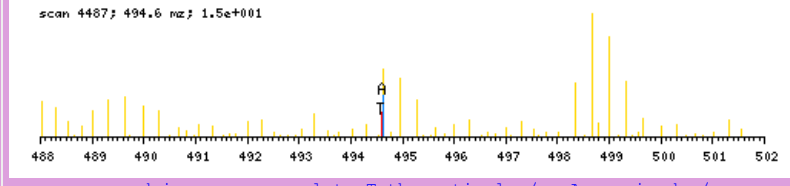
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
201.1239	2	T	17	1861.8126	931.4102
330.1665	3	E	16	1760.7649	880.8864
461.2070	4	M	15	1631.7223	816.3651
560.2754	5	V	14	1500.6818	750.8448
689.3180	6	E	13	1401.6134	701.3106
788.3864	7	V	12	1272.5708	636.7893
845.4079	8	G	11	1173.5024	587.2551
942.4606	9	P	10	1116.4809	558.7444
1071.5032	10	E	9	1019.4282	510.2180
1186.5302	11	D	8	890.3856	445.6967
1301.5571	12	D	7	775.3586	388.1832
1430.5997	13	E	6	660.3317	330.6698
1529.6681	14	V	5	531.2891	266.1485
1586.6896	15	G	4	432.2207	216.6142
1657.7267	16	A	3	375.1992	188.1035
1786.7693	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

N-term:+29.04

ATEPVISFYDKR, MH+ 1481.8004, m/z 494.6050
L OS G33 P160811 220811-s1.04490.04490.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

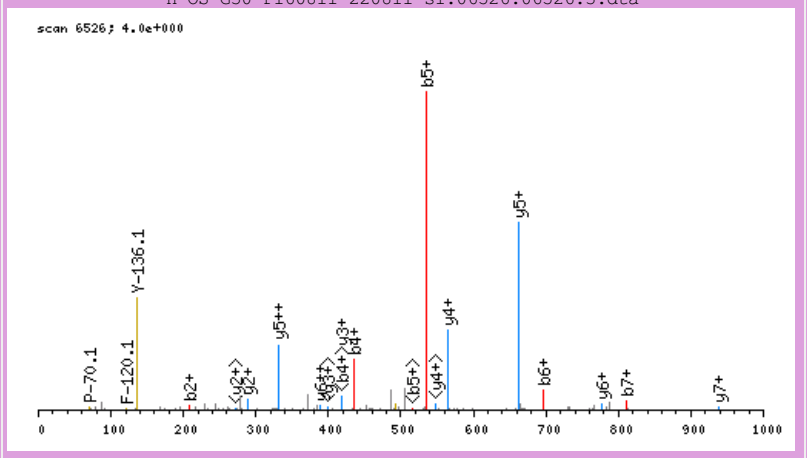
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
201.1239	2	T	11	1382.7320	**691.8699**
330.1665	3	E	10	1281.6843	**641.3461**
427.2192	4	P	9	**1152.6418**	**576.8248**
526.2877	5	V	8	**1055.5890**	528.2984
639.3717	6	I	7	**956.5206**	**478.7642**
726.4038	7	S	6	**843.4365**	**422.2222**
873.4722	8	F	5	**756.4045**	378.7062
1036.5355	9	Y	4	**609.3361**	**305.1719**
1151.5624	10	D	3	**446.2727**	223.6403
1307.6887	11	K	2	**331.2458**	**166.1268**
	12	R	1	**175.1195**	88.0637

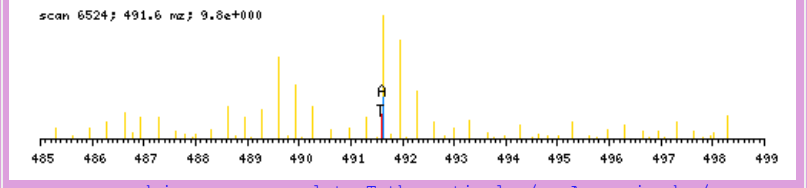
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ATLDVYNPFENR, MH+ 1472.7597, m/z 491.5914
H OS G30 P160811 220811-s1.06526.06526.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



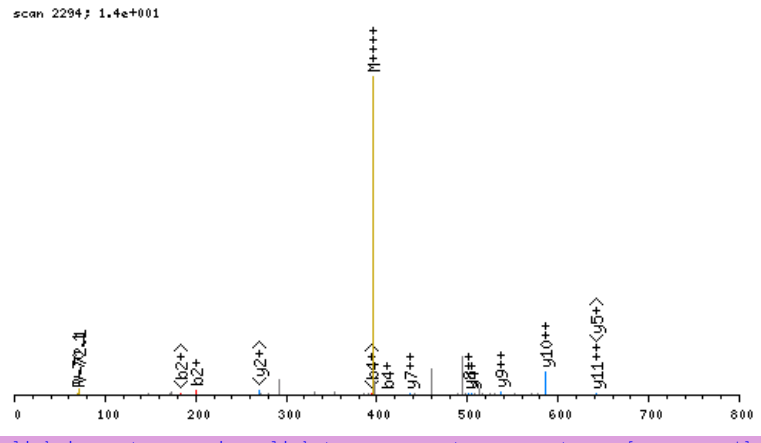
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	12		
207.1557	2	T	11	1367.6596	684.3337
320.2398	3	L	10	1266.6119	633.8099
435.2667	4	D	9	1153.5278	577.2678
534.3351	5	V	8	1038.5009	519.7543
697.3984	6	Y	7	**939.4325**	470.2201
811.4414	7	N	6	**776.3691**	**388.6885**
908.4941	8	P	5	**662.3262**	**331.6670**
1055.5625	9	F	4	**565.2734**	283.1406
1184.6051	10	E	3	**418.2050**	209.6064
1298.6481	11	N	2	**289.1624**	145.0851
	12	R	1	175.1195	88.0637

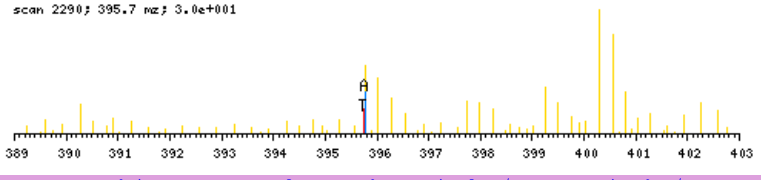
N-term:+35.07

ATPLPAEGKKNTLR, MH+ 1579.9536, m/z 395.7439
L OS G34 P160811 220811-s1.02294.02294.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor]



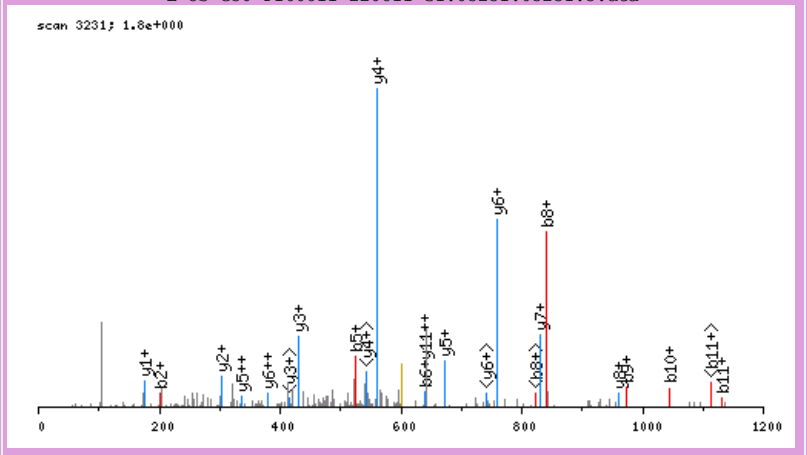
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
201.1239	2	T	13	1480.8852	740.9465
298.1767	3	P	12	1379.8375	690.4227
411.2607	4	L	11	1282.7848	**641.8963**
508.3135	5	P	10	1169.7007	**585.3543**
579.3506	6	A	9	1072.6479	**536.8279**
708.3932	7	E	8	1001.6108	**501.3093**
765.4147	8	G	7	872.5682	**436.7880**
921.5410	9	K	6	815.5468	408.2773
1077.6673	10	K	5	659.4205	330.2141
1191.7102	11	N	4	**503.2942**	252.1510
1292.7579	12	T	3	389.2512	195.1295
1405.8419	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

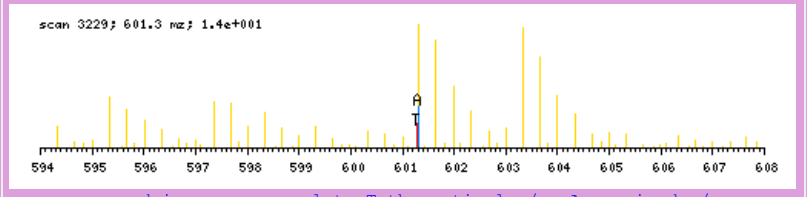
N-term:+29.04 K(9):+156.13
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ATPPEDSDMASLQQQR, MH+ 1801.8390, m/z 601.2845
L OS G30 P160811 220811-s1.03231.03231.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



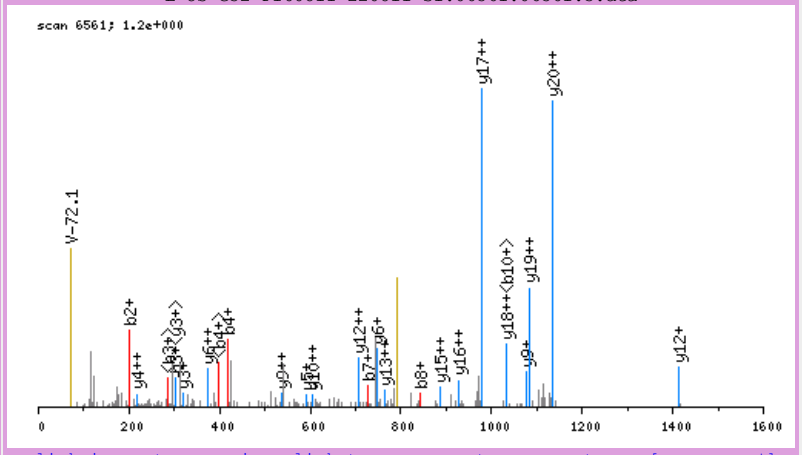
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
201.1239	2	T	15	1702.7706	851.8892
298.1767	3	P	14	1601.7230	801.3654
395.2294	4	P	13	1504.6702	752.8390
524.2720	5	E	12	1407.6174	704.3126
639.2990	6	D	11	1278.5748	639.7913
726.3310	7	S	10	1163.5479	582.2779
841.3579	8	D	9	1076.5159	538.7618
972.3984	9	M	8	961.4889	481.2484
1043.4355	10	A	7	830.4484	415.7281
1130.4676	11	S	6	759.4113	380.2096
1243.5516	12	L	5	672.3793	336.6936
1371.6102	13	Q	4	559.2952	280.1515
1499.6688	14	Q	3	431.2367	216.1222
1627.7274	15	Q	2	303.1781	152.0930
	16	R	1	175.1195	88.0637

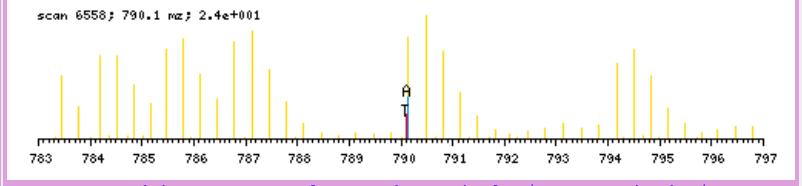
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ATTNPSQLLPLELVDKCIGSR, MH+ 2368.2910, m/z 790.1018
L OS G32 P160811 220811-s1.06561.06561.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



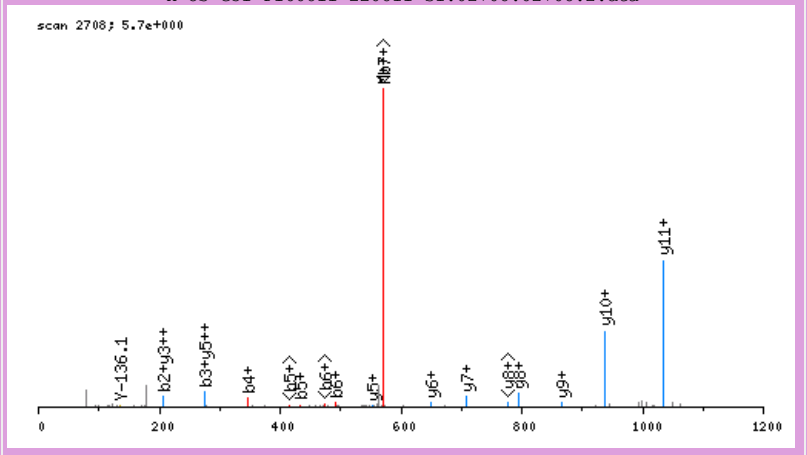
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
201.1239	2	T	20	2269.2226	**1135.1152**
302.1716	3	T	19	2168.1749	**1084.5914**
416.2145	4	N	18	2067.1272	**1034.0675**
513.2673	5	P	17	1953.0843	**977.0461**
600.2993	6	S	16	1856.0315	**928.5197**
728.3579	7	Q	15	1768.9995	**885.0037**
841.4419	8	L	14	1640.9409	820.9744
954.5260	9	L	13	1527.8569	**764.4323**
1051.5788	10	P	12	**1414.7728**	**707.8903**
1164.6628	11	L	11	1317.7200	659.3639
1293.7054	12	E	10	1204.6360	**602.8219**
1406.7895	13	L	9	**1075.5934**	**538.3006**
1505.8579	14	V	8	962.5093	481.7586
1620.8848	15	D	7	863.4409	432.2244
1777.0111	16	K	6	**748.4140**	**374.7109**
1937.0417	17	C	5	**592.2877**	296.6477
2050.1258	18	I	4	432.2571	**216.6324**
2107.1473	19	G	3	**319.1730**	160.0904
2194.1793	20	S	2	262.1515	131.5797
	21	R	1	175.1195	88.0637

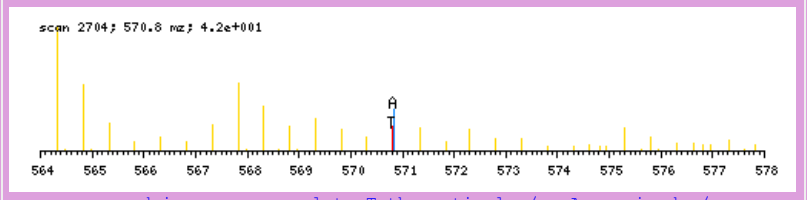
N-term:+29.04 K(16):+156.13
C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVAASGPGSSFR, MH+ 1140.6225, m/z 570.8149
H OS G31 P160811 220811-s1.02708.02708.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



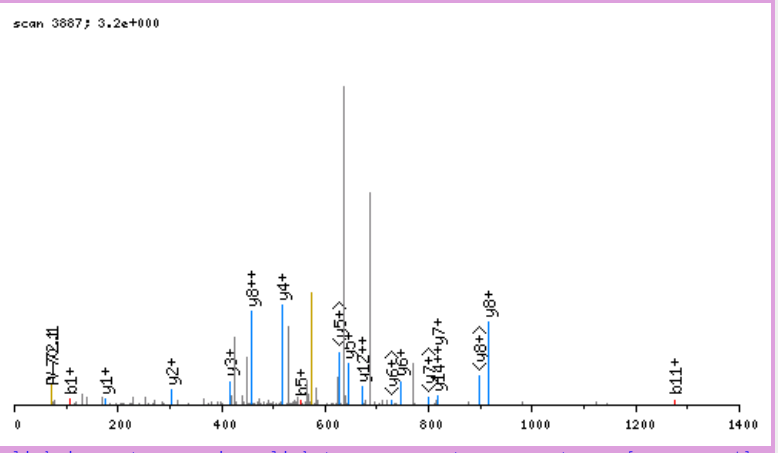
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	12		
205.1764	2	V	11	1035.5223	518.2651
276.2135	3	A	10	936.4539	468.7309
347.2507	4	A	9	865.4168	433.2123
434.2827	5	S	8	794.3797	397.6938
491.3041	6	G	7	707.3477	354.1777
588.3569	7	P	6	650.3262	325.6670
645.3784	8	G	5	553.2734	277.1406
732.4104	9	S	4	496.2520	248.6299
819.4424	10	S	3	409.2199	205.1139
966.5108	11	F	2	322.1879	161.5979
	12	R	1	175.1195	88.0637

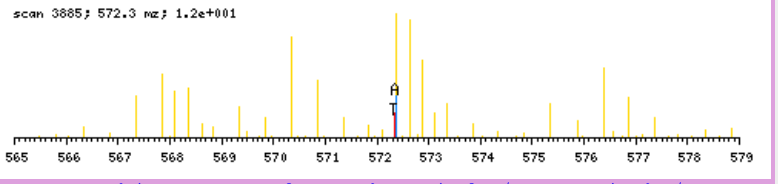
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVADKVKEDSQVPATQTLQR, MH+ 2286.3518, m/z 572.3434
H OS G34 P160811 220811-s1.03887.03887.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



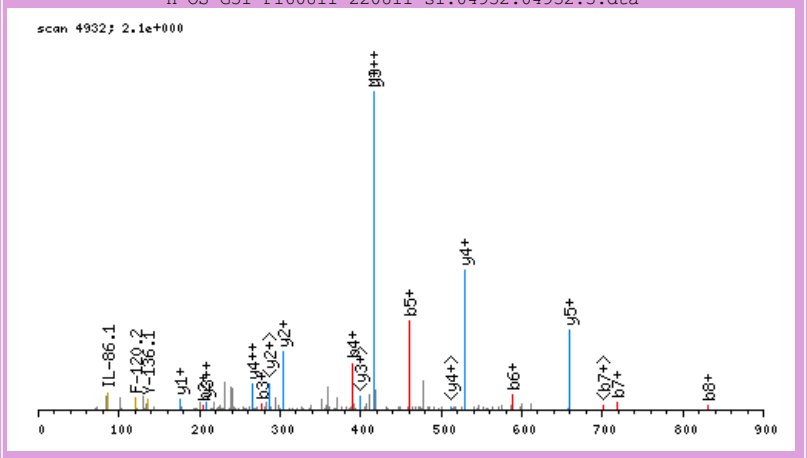
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	**1**	**A**	**20**		
205.1764	**2**	**V**	**19**	2181.2516	1091.1297
276.2135	**3**	**A**	**18**	2082.1832	1041.5955
391.2405	**4**	**D**	**17**	2011.1461	1006.0769
553.3986	**5**	**K**	**16**	1896.1191	948.5635
652.4670	**6**	**V**	**15**	1733.9610	867.4844
814.6251	**7**	**K**	**14**	1634.8926	**817.9502**
943.6677	**8**	**E**	**13**	1472.7345	736.8712
1058.6946	**9**	**D**	**12**	1343.6919	**672.3499**
1145.7267	**10**	**S**	**11**	1228.6650	614.8364
1273.7852	**11**	**Q**	**10**	1141.6329	571.3204
1372.8537	**12**	**V**	**9**	1013.5744	507.2911
1469.9064	**13**	**P**	**8**	**914.5060**	**457.7569**
1540.9435	**14**	**A**	**7**	**817.4532**	409.2305
1641.9912	**15**	**T**	**6**	**746.4161**	373.7120
1770.0498	**16**	**Q**	**5**	**645.3684**	323.1881
1871.0975	**17**	**T**	**4**	**517.3098**	259.1588
1984.1815	**18**	**L**	**3**	**416.2621**	208.6350
2112.2401	**19**	**Q**	**2**	**303.1781**	152.0930
	20	**R**	**1**	**175.1195**	88.0637

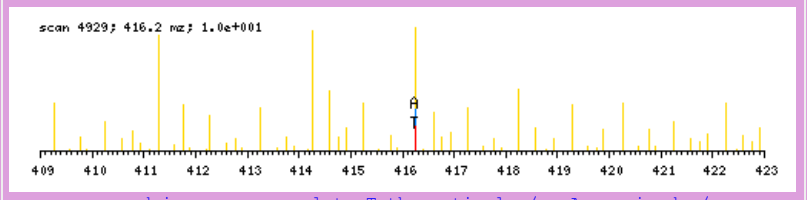
N-term:+35.07 K(5):+162.16
K(7):+162.16

AVANAQELLQR, MH+ 1246.7331, m/z 416.2492
H OS G31 P160811 220811-s1.04932.04932.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



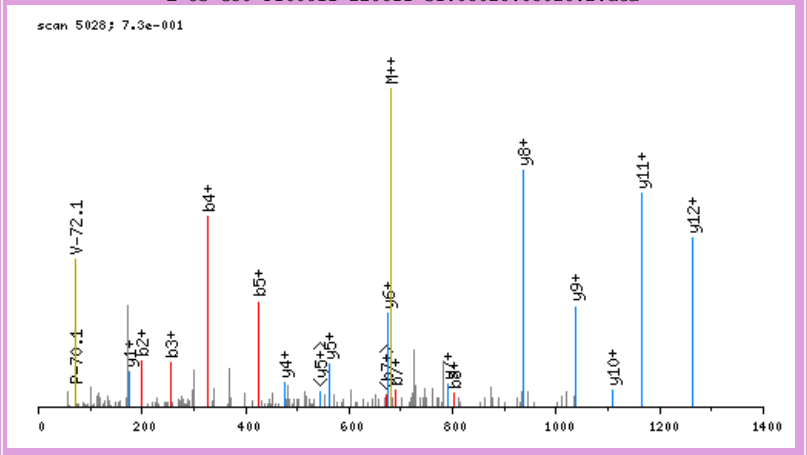
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
205.1764	2	V	10	1141.6329	571.3204
276.2135	3	A	9	1042.5645	521.7862
390.2565	4	N	8	971.5274	486.2676
461.2936	5	A	7	857.4845	429.2462
589.3522	6	Q	6	786.4474	393.7276
718.3948	7	E	5	658.3888	329.6983
831.4788	8	L	4	529.3462	265.1770
944.5629	9	L	3	416.2621	208.6350
1072.6215	10	Q	2	303.1781	152.0930
	11	R	1	175.1195	88.0637

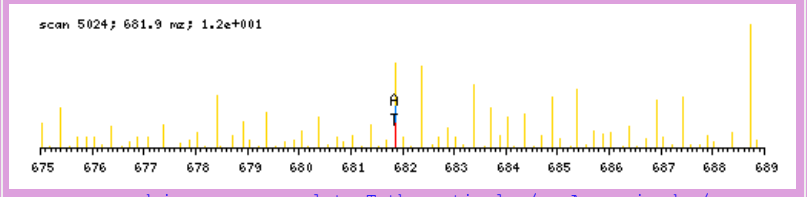
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVGAVFDISNADR, MH+ 1362.7017, m/z 681.8545
L OS G30 P160811 220811-s1.05028.05028.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



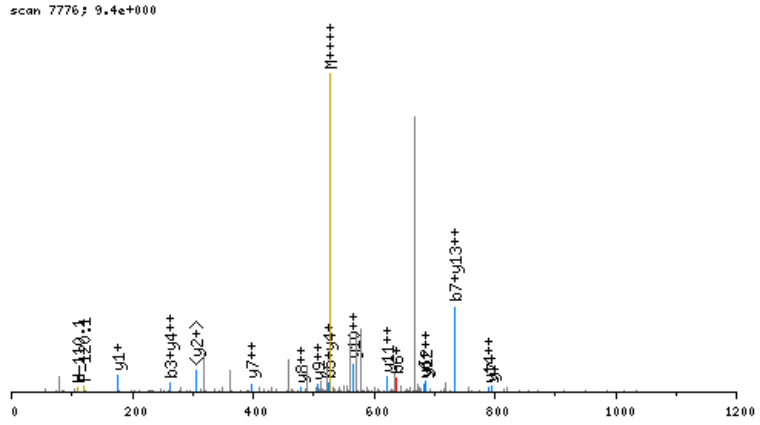
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
199.1446	2	V	12	1263.6333	632.3206
256.1661	3	G	11	1164.5649	582.7864
327.2032	4	A	10	1107.5435	554.2756
426.2716	5	V	9	1036.5063	518.7571
573.3400	6	F	8	937.4379	469.2229
688.3670	7	D	7	790.3695	395.6887
801.4510	8	I	6	675.3426	338.1752
888.4831	9	S	5	562.2585	281.6332
1002.5260	10	N	4	475.2265	238.1172
1073.5631	11	A	3	361.1836	181.0957
1188.5901	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

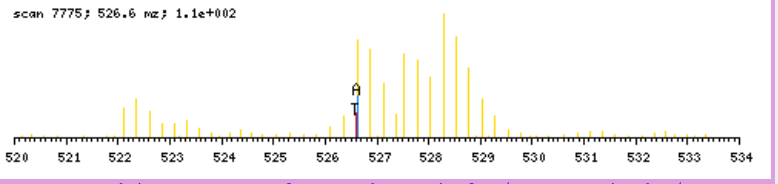
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVGKVIPELNGKLTGMAFR, MH+ 2103.3213, m/z 526.5858
H OS G34 P160811 220811-s1.07776.07776.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



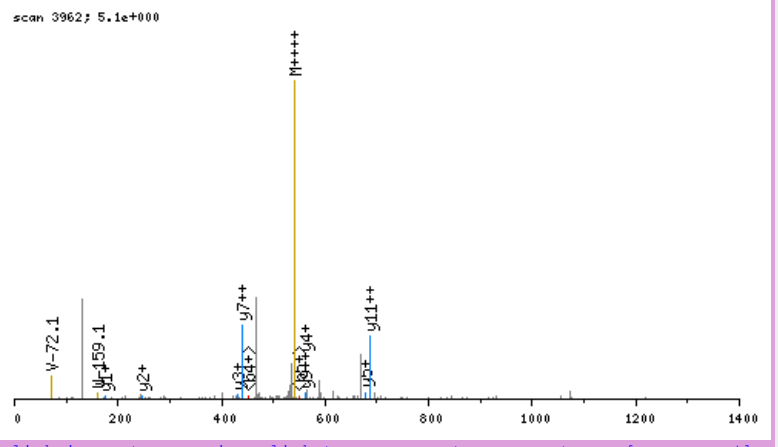
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
205.1764	2	V	18	1998.2211	999.6145
262.1979	3	G	17	1899.1527	950.0802
424.3560	4	K	16	1842.1312	921.5695
523.4244	5	V	15	1679.9731	840.4905
636.5085	6	I	14	1580.9047	**790.9563**
733.5612	7	P	13	1467.8206	**734.4142**
862.6038	8	E	12	1370.7679	**685.8878**
975.6879	9	L	11	1241.7253	**621.3665**
1089.7308	10	N	10	1128.6412	**564.8245**
1146.7523	11	G	9	1014.5983	**507.8031**
1308.9104	12	K	8	957.5768	**479.2923**
1421.9944	13	L	7	**795.4187**	**398.2133**
1523.0421	14	T	6	**682.3347**	341.6712
1580.0636	15	G	5	581.2870	291.1474
1711.1041	16	M	4	**524.2655**	**262.6367**
1782.1412	17	A	3	393.2250	197.1164
1929.2096	18	F	2	322.1879	161.5979
	19	R	1	**175.1195**	88.0637

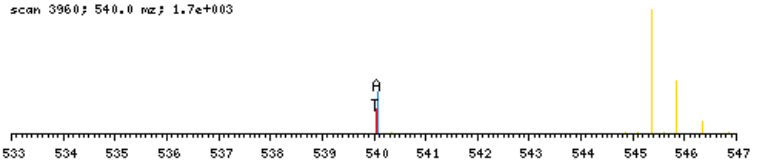
N-term:+35.07 K(4):+162.16
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVIKTQSKPEDEADEWAR, MH+ 2157.1192, m/z 540.0353
L OS G34 P160811 220811-s1.03962.03962.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



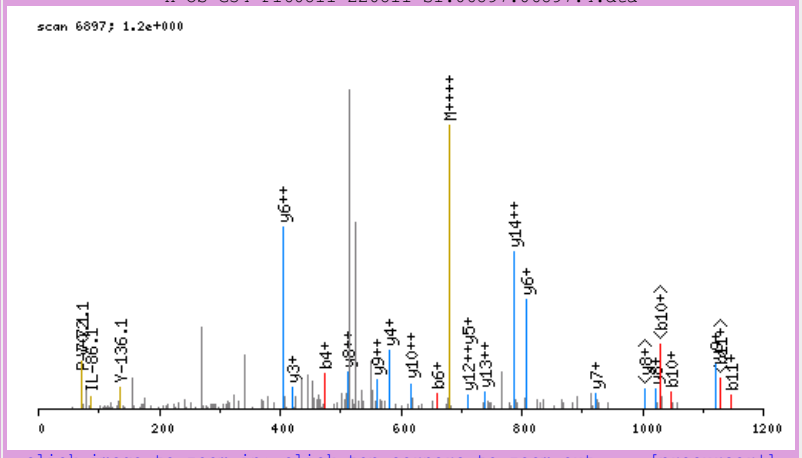
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
199.1446	2	V	17	2058.0508	1029.5293
312.2287	3	I	16	1958.9824	979.9951
468.3550	4	K	15	1845.8984	923.4531
569.4027	5	T	14	1689.7721	845.3899
697.4612	6	Q	13	1588.7244	794.8661
784.4933	7	S	12	1460.6658	730.8368
940.6196	8	K	11	1373.6338	**687.3208**
1037.6723	9	P	10	1217.5075	609.2576
1166.7149	10	E	9	1120.4547	**560.7313**
1281.7419	11	D	8	991.4121	496.2100
1410.7845	12	E	7	876.3852	**438.6965**
1481.8216	13	A	6	747.3426	374.1752
1596.8485	14	D	5	**676.3055**	338.6566
1725.8911	15	E	4	**561.2785**	281.1432
1911.9704	16	W	3	**432.2359**	216.6219
1983.0075	17	A	2	**246.1566**	123.5822
	18	R	1	**175.1195**	88.0637

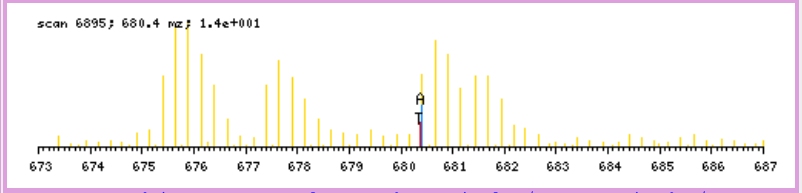
N-term:+29.04 K(4):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVMHGETEGTVPGNALVVDPEKPFR, MH+ 2718.4561, m/z 680.3695
H OS G34 P160811 220811-s1.06897.06897.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



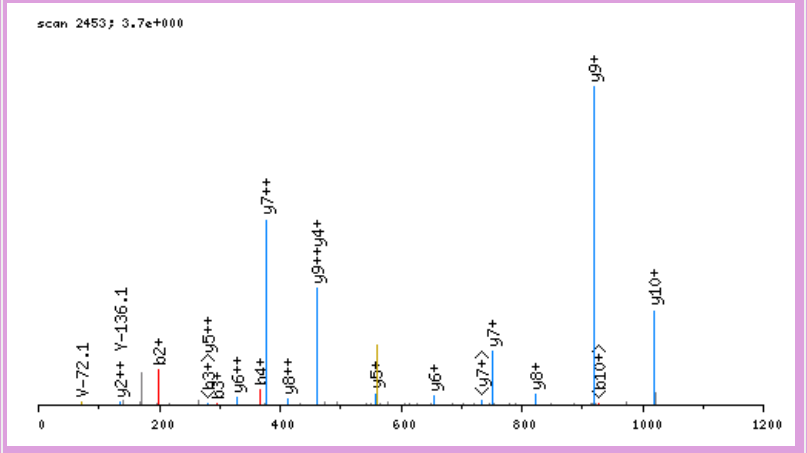
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	25		
205.1764	2	V	24	2613.3559	1307.1819
336.2169	3	M	23	2514.2875	1257.6477
473.2758	4	H	22	2383.2470	1192.1274
530.2973	5	G	21	2246.1881	1123.5980
659.3399	6	E	20	2189.1667	1095.0872
760.3876	7	T	19	2060.1241	1030.5659
889.4302	8	E	18	1959.0764	980.0421
946.4516	9	G	17	1830.0338	915.5208
1047.4993	10	T	16	1773.0123	887.0101
1146.5677	11	V	15	1671.9647	836.4862
1243.6205	12	P	14	1572.8962	**786.9520**
1300.6419	13	G	13	1475.8435	**738.4257**
1414.6849	14	N	12	1418.8220	**709.9149**
1485.7220	15	A	11	1304.7791	652.8935
1598.8060	16	L	10	1233.7420	**617.3749**
1697.8745	17	V	9	**1120.6579**	**560.8329**
1796.9429	18	V	8	**1021.5895**	**511.2987**
1911.9698	19	D	7	**922.5211**	461.7645
2009.0226	20	P	6	**807.4941**	**404.2510**
2138.0652	21	E	5	**710.4414**	355.7246
2300.2233	22	K	4	**581.3988**	291.2033
2397.2760	23	P	3	**419.2407**	210.1243
2544.3444	24	F	2	322.1879	161.5979
	25	R	1	175.1195	88.0637

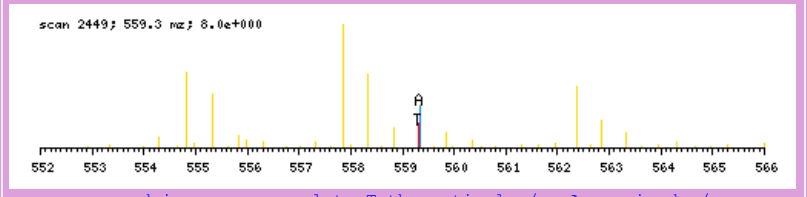
N-term:+35.07 K(22):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVPAPPPTSPR, MH+ 1117.6369, m/z 559.3221
L OS G30 P160811 220811-s1.02453.02453.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



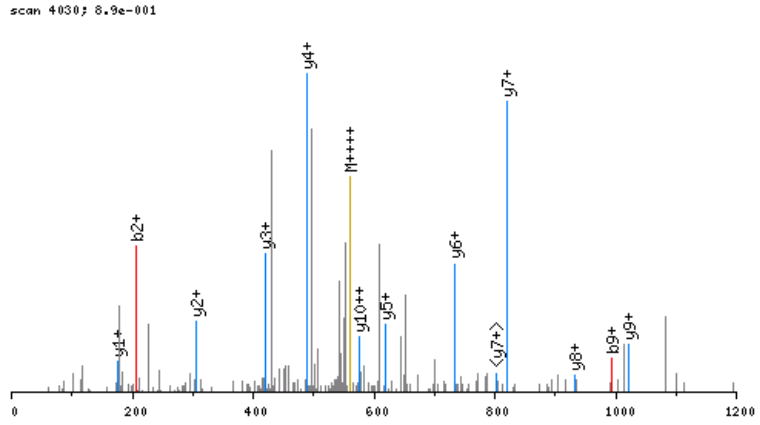
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	11		
199.1446	2	V	10	1018.5686	509.7882
296.1974	3	P	9	919.5001	460.2540
367.2345	4	A	8	822.4474	411.7276
464.2873	5	P	7	751.4103	376.2090
561.3400	6	P	6	654.3575	327.6827
658.3928	7	P	5	557.3047	279.1563
759.4405	8	T	4	460.2520	230.6299
846.4725	9	S	3	359.2043	180.1061
943.5253	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

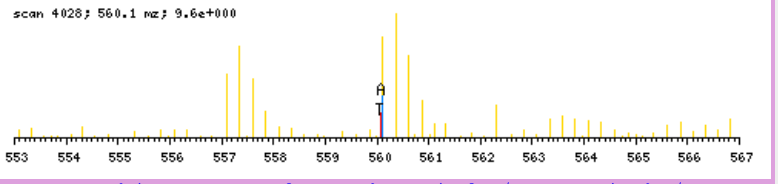
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVPIAQKSEPQSLSNEALMR, MH+ 2237.2600, m/z 560.0705
H OS G32 P160811 220811-s1.04030.04030.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



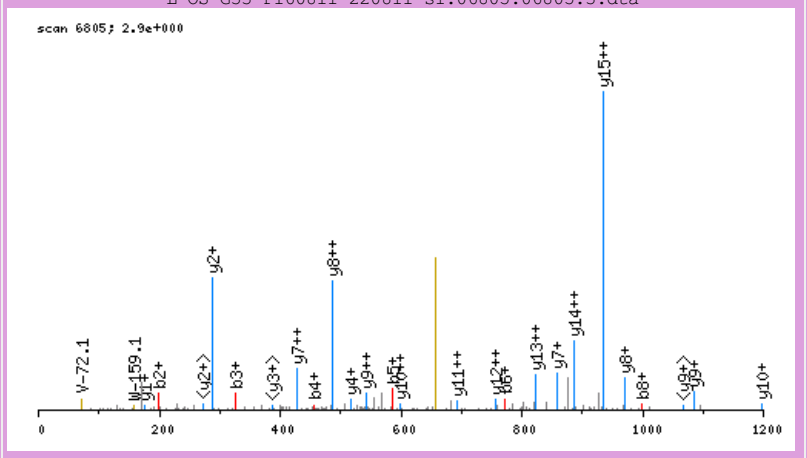
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
205.1764	2	V	19	2132.1598	1066.5838
302.2292	3	P	18	2033.0914	1017.0496
415.3133	4	I	17	1936.0386	968.5232
486.3504	5	A	16	1822.9546	911.9812
614.4089	6	Q	15	1751.9174	876.4626
776.5670	7	K	14	1623.8589	812.4333
863.5991	8	S	13	1461.7008	731.3543
992.6417	9	E	12	1374.6687	687.8383
1089.6944	10	P	11	1245.6261	623.3170
1217.7530	11	Q	10	1148.5734	**574.7906**
1304.7850	12	S	9	**1020.5148**	510.7613
1417.8691	13	L	8	**933.4828**	467.2453
1504.9011	14	S	7	**820.3987**	410.7033
1618.9441	15	N	6	**733.3667**	367.1873
1747.9867	16	E	5	**619.3238**	310.1658
1819.0238	17	A	4	**490.2812**	245.6445
1932.1078	18	L	3	**419.2440**	210.1259
2063.1483	19	M	2	**306.1600**	153.5839
	20	R	1	**175.1195**	88.0637

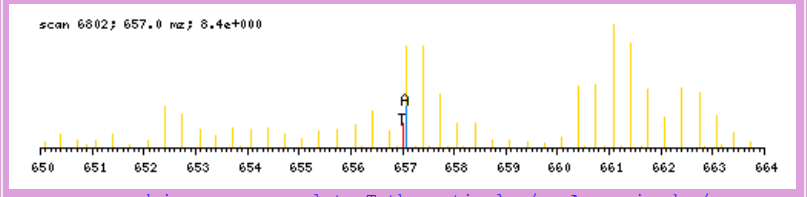
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVQEEWLDIPSKLDNR, MH+ 1969.0395, m/z 657.0180
L OS G33 P160811 220811-s1.06805.06805.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



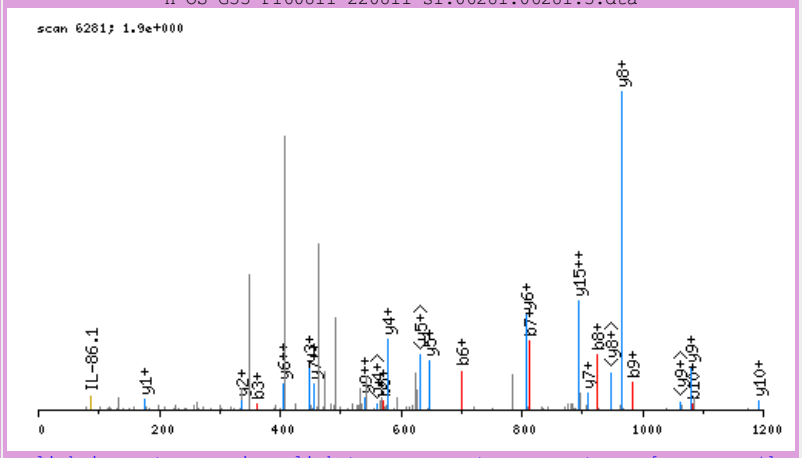
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
199.1446	2	V	15	1869.9711	**935.4895**
327.2032	3	Q	14	1770.9027	**885.9553**
456.2458	4	E	13	1642.8441	**821.9260**
585.2884	5	E	12	1513.8015	**757.4047**
771.3677	6	W	11	1384.7589	**692.8834**
884.4518	7	L	10	**1198.6796**	**599.8437**
999.4787	8	D	9	**1085.5955**	**543.3017**
1112.5628	9	I	8	**970.5686**	**485.7882**
1209.6155	10	P	7	**857.4845**	**429.2462**
1296.6476	11	S	6	760.4318	380.7198
1452.7739	12	K	5	673.3997	337.2038
1565.8579	13	L	4	**517.2734**	259.1406
1680.8849	14	D	3	404.1894	202.5986
1794.9278	15	N	2	**289.1624**	145.0851
	16	R	1	**175.1195**	88.0637

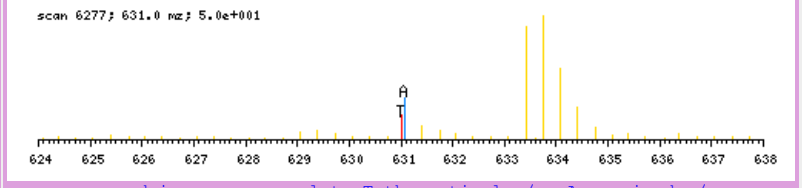
N-term:+29.04 K(12):+156.13

AVRPLQLLGTCAELCR, MH+ 1891.0469, m/z 631.0205
H OS G33 P160811 220811-s1.06281.06281.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [1+] [2+] [3+]
b [1+] [2+] [3+]
c [1+] [2+] [3+]
x [1+] [2+] [3+]
y [1+] [2+] [3+]
z [1+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



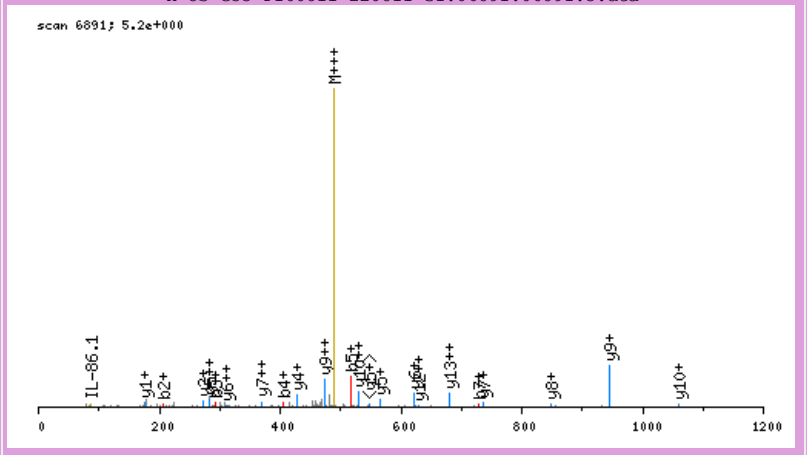
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
205.1764	2	V	15	1785.9467	**893.4772**
361.2775	3	R	14	1686.8783	843.9430
458.3303	4	P	13	1530.7771	765.8925
571.4144	5	L	12	1433.7244	717.3661
699.4729	6	Q	11	1320.6403	660.8241
812.5570	7	L	10	**1192.5817**	596.7948
925.6411	8	L	9	**1079.4977**	**540.2528**
982.6625	9	G	8	**966.4136**	483.7107
1083.7102	10	T	7	**909.3922**	**455.2000**
1243.7408	11	C	6	**808.3445**	**404.6761**
1314.7779	12	A	5	**648.3139**	324.6608
1443.8205	13	E	4	**577.2768**	289.1423
1556.9046	14	L	3	**448.2342**	224.6210
1716.9352	15	C	2	**335.1501**	168.0790
	16	R	1	**175.1195**	88.0637

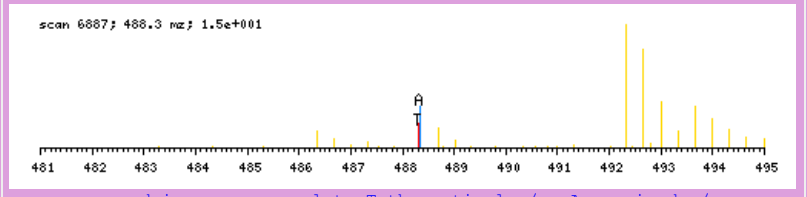
N-term:+35.07 C(11):+160.03
C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVSILPLLGHGVPR, MH+ 1462.9322, m/z 488.3156
H OS G33 P160811 220811-s1.06891.06891.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



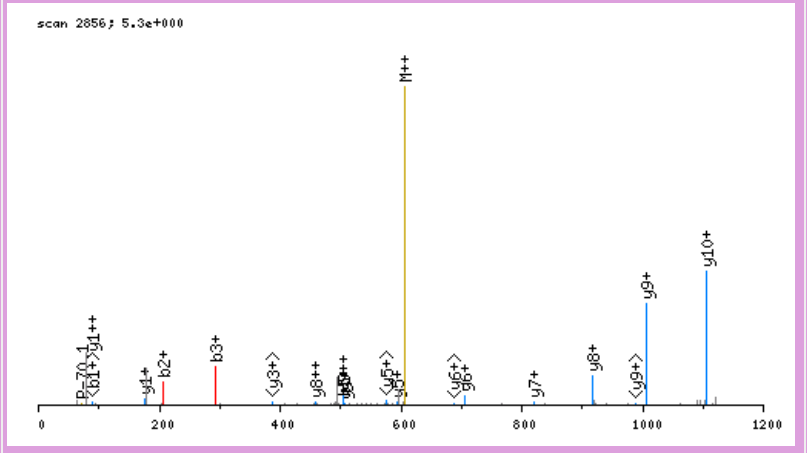
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
205.1764	2	V	13	1357.8320	679.4199
292.2085	3	S	12	1258.7636	629.8857
405.2925	4	I	11	1171.7315	586.3697
518.3766	5	L	10	1058.6475	529.8276
615.4293	6	P	9	945.5634	473.2856
728.5134	7	L	8	848.5106	424.7592
841.5975	8	L	7	735.4266	368.2172
898.6189	9	G	6	622.3425	311.6752
1035.6779	10	H	5	565.3211	283.1644
1092.6993	11	G	4	428.2621	214.6350
1191.7677	12	V	3	371.2407	186.1243
1288.8205	13	P	2	272.1723	136.5900
	14	R	1	175.1195	88.0637

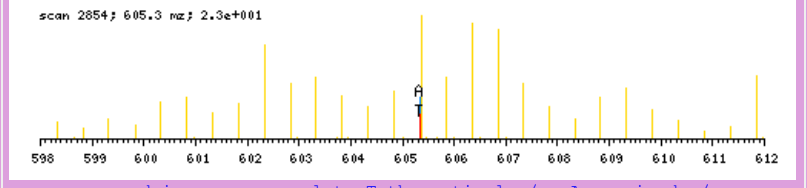
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVSPDISTTER, MH+ 1209.6539, m/z 605.3306
H OS G31 P160811 220811-s1.02856.02856.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



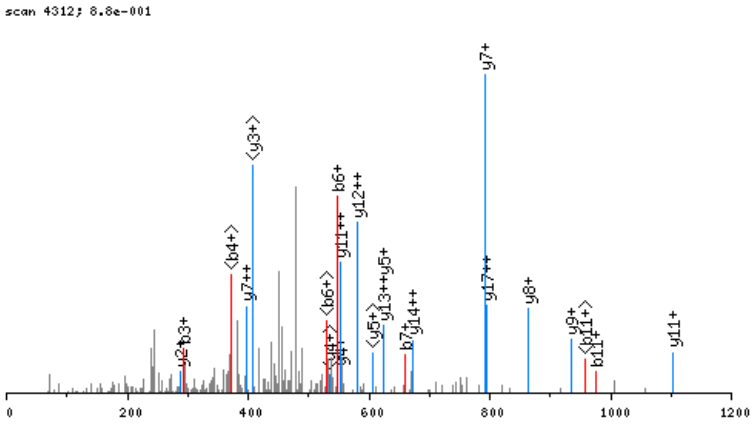
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	11		
205.1764	2	V	10	1104.5537	552.7808
292.2085	3	S	9	1005.4853	503.2466
389.2612	4	P	8	918.4533	459.7305
504.2882	5	D	7	821.4005	411.2042
617.3722	6	I	6	706.3735	353.6907
704.4043	7	S	5	593.2895	297.1487
805.4519	8	T	4	506.2575	253.6326
906.4996	9	T	3	405.2098	203.1088
1035.5422	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

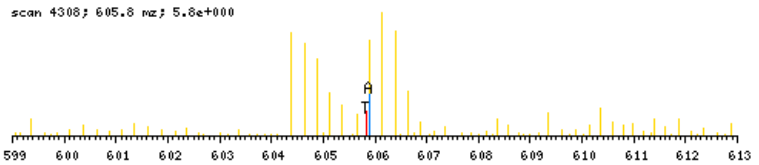
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVSPGTLTASGVVSGPAAAPAAQHLR, MH+ 2420.3474, m/z 605.8423
H OS G32 P160811 220811-s1.04312.04312.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



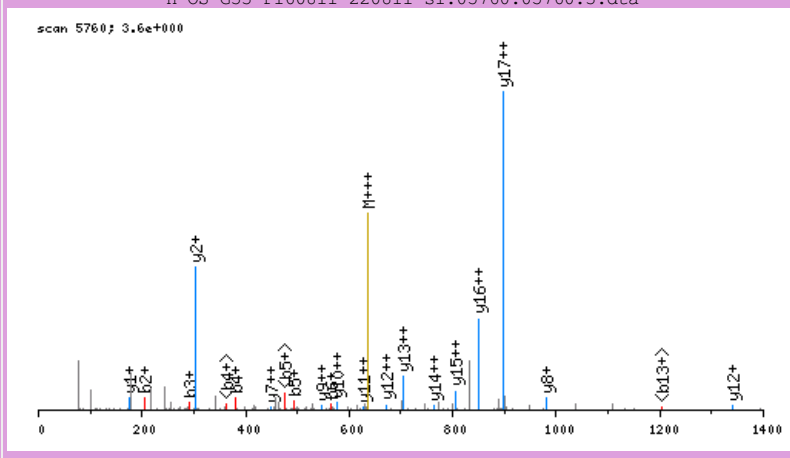
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	26		
205.1764	2	V	25	2315.2472	1158.1275
292.2085	3	S	24	2216.1788	1108.5933
389.2612	4	P	23	2129.1467	1065.0773
446.2827	5	G	22	2032.0940	1016.5509
547.3304	6	T	21	1975.0725	988.0402
660.4144	7	L	20	1874.0248	937.5163
761.4621	8	T	19	1760.9408	880.9743
832.4992	9	A	18	1659.8931	830.4505
919.5312	10	S	17	1588.8560	**794.9319**
976.5527	11	G	16	1501.8239	751.4159
1075.6211	12	V	15	1444.8025	722.9051
1174.6895	13	V	14	1345.7341	**673.3709**
1261.7216	14	S	13	1246.6656	**623.8367**
1318.7430	15	G	12	1159.6336	**580.3207**
1415.7958	16	P	11	**1102.6122**	**551.8100**
1486.8329	17	A	10	1005.5594	503.2836
1557.8700	18	A	9	**934.5223**	467.7650
1628.9071	19	A	8	**863.4852**	432.2465
1725.9599	20	P	7	**792.4480**	**396.7279**
1796.9970	21	A	6	695.3953	348.2016
1868.0341	22	A	5	**624.3582**	312.6830
1996.0927	23	Q	4	**553.3211**	277.1644
2133.1516	24	H	3	425.2625	213.1352
2246.2357	25	L	2	**288.2036**	144.6057
	26	R	1	175.1195	88.0637

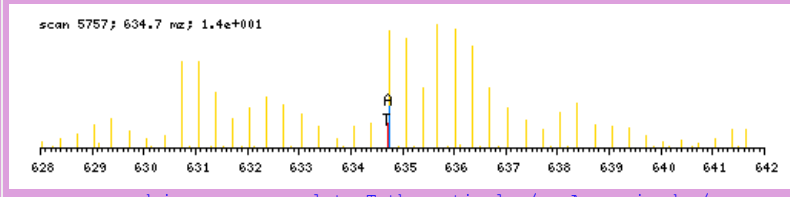
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVSSLASTGLSLTKVDER, MH+ 1902.1184, m/z 634.7110
H OS G33 P160811 220811-s1.05760.05760.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

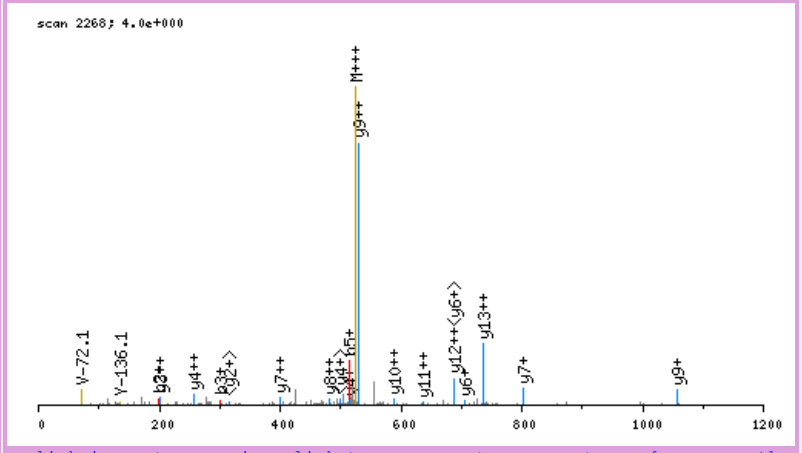


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

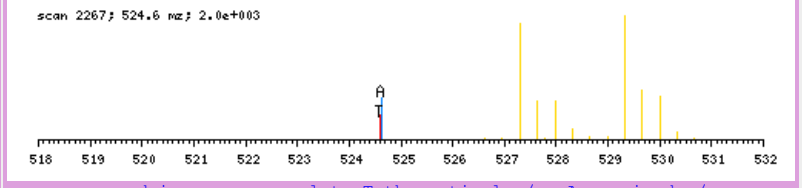
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
205.1764	2	V	17	1797.0182	899.0130
292.2085	3	S	16	1697.9498	849.4788
379.2405	4	S	15	1610.9178	805.9628
492.3245	5	L	14	1523.8857	762.4468
563.3617	6	A	13	1410.8017	705.9047
650.3937	7	S	12	1339.7646	670.3862
751.4414	8	T	11	1252.7325	626.8702
808.4628	9	G	10	1151.6848	576.3463
921.5469	10	L	9	1094.6634	547.8356
1008.5789	11	S	8	981.5793	491.2936
1121.6630	12	L	7	894.5473	447.7776
1222.7107	13	T	6	781.4632	391.2355
1384.8688	14	K	5	680.4156	340.7117
1483.9372	15	V	4	518.2575	259.6326
1598.9641	16	D	3	419.1890	210.0984
1728.0067	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

N-term:+35.07 K(14):+162.16

AVTVDPCPSTNAKR, MH+ 1571.8215, m/z 524.6120
L OS G33 P160811 220811-s1.02268.02268.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

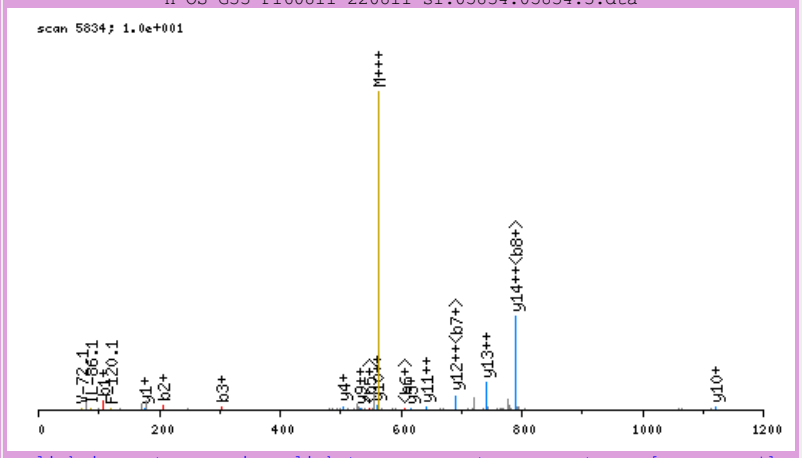
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b+	#	AA	#	y+	y2+
100.0762	1	A	14		
199.1446	2	V	13	1472.7531	**736.8805**
300.1923	3	T	12	1373.6847	**687.3463**
399.2607	4	V	11	1272.6370	**636.8224**
514.2877	5	D	10	1173.5686	**587.2882**
611.3404	6	P	9	**1058.5417**	**529.7748**
771.3710	7	C	8	961.4889	**481.2484**
868.4238	8	P	7	**801.4583**	**401.2331**
955.4558	9	S	6	**704.4055**	352.7067
1056.5035	10	T	5	617.3735	309.1907
1170.5464	11	N	4	**516.3258**	**258.6668**
1241.5835	12	A	3	402.2829	**201.6454**
1397.7098	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

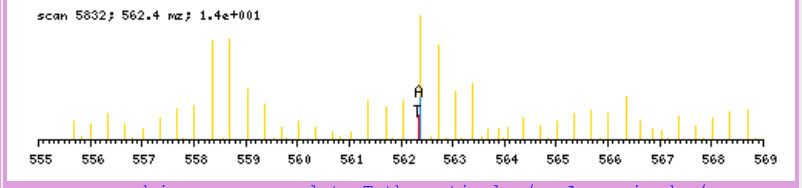
N-term:+29.04 C(7):+160.03
K(13):+156.13

AVVTCGSVVKLLNTR, MH+ 1685.0420, m/z 562.3522
H OS G33 P160811 220811-s1.05834.05834.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



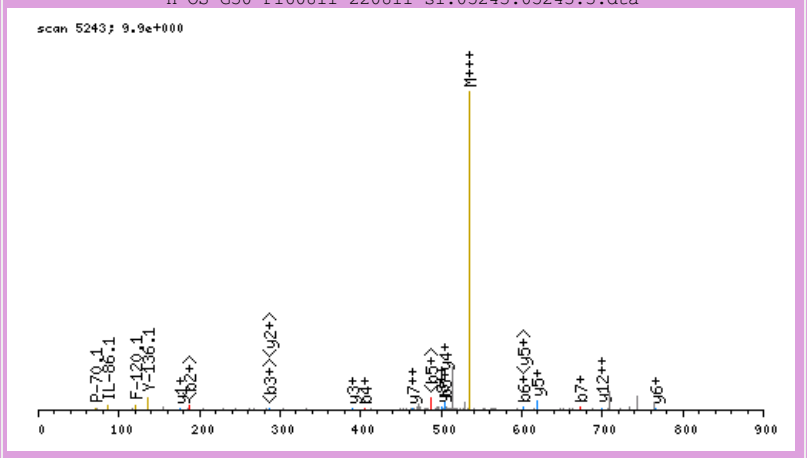
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
205.1764	2	V	14	1579.9418	790.4748
304.2448	3	V	13	1480.8733	740.9406
405.2925	4	T	12	1381.8049	691.4064
565.3231	5	C	11	1280.7573	640.8825
622.3446	6	G	10	1120.7267	560.8672
709.3766	7	S	9	1063.7052	532.3565
808.4450	8	V	8	976.6732	488.8405
907.5134	9	V	7	877.6047	439.3063
1069.6715	10	K	6	778.5363	389.7721
1182.7556	11	L	5	616.3782	308.6930
1295.8397	12	L	4	503.2942	252.1510
1409.8826	13	N	3	390.2101	195.6090
1510.9303	14	T	2	276.1672	138.5875
	15	R	1	175.1195	88.0637

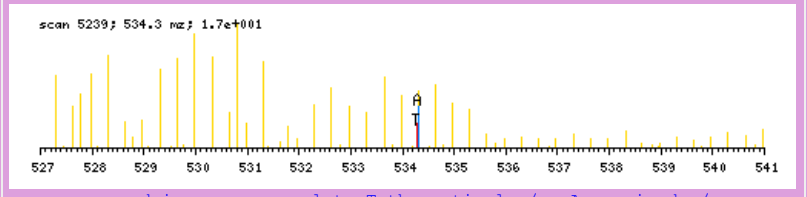
N-term:+35.07 C(5):+160.03
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

AVVTVPAYFNDSQR, MH+ 1600.8547, m/z 534.2898
H OS G30 P160811 220811-s1.05243.05243.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

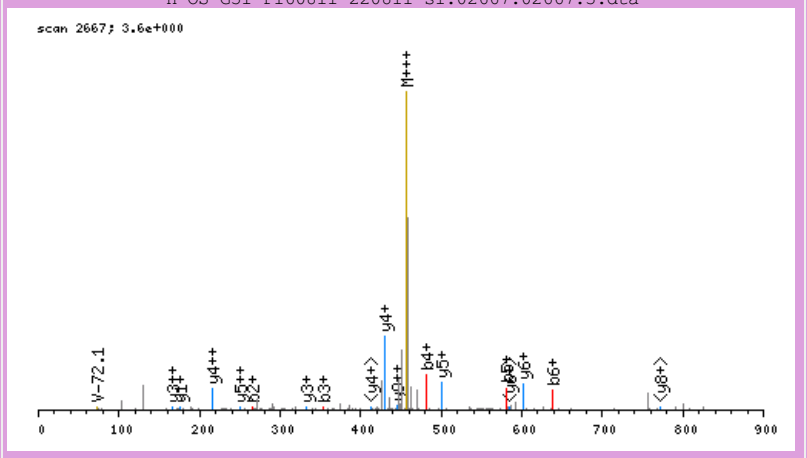


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

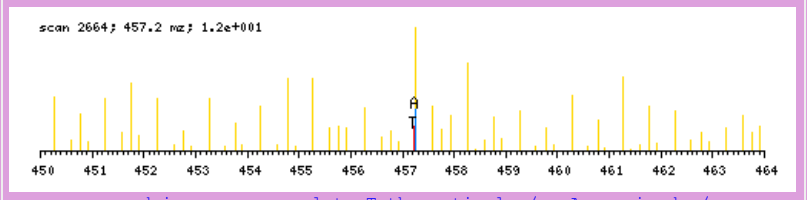
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
205.1764	2	V	13	1495.7545	748.3812
304.2448	3	V	12	1396.6861	**698.8470**
405.2925	4	T	11	1297.6177	649.3128
504.3609	5	V	10	1196.5700	598.7889
601.4137	6	P	9	1097.5016	549.2547
672.4508	7	A	8	1000.4488	**500.7283**
835.5141	8	Y	7	929.4117	**465.2098**
982.5826	9	F	6	**766.3484**	383.6781
1096.6255	10	N	5	**619.2800**	310.1439
1211.6524	11	D	4	**505.2370**	253.1224
1298.6845	12	S	3	**390.2101**	195.6090
1426.7430	13	Q	2	303.1781	152.0930
	14	R	1	**175.1195**	88.0637

N-term:+35.07

CASQVGMTAPGTR, MH+ 1369.6780, m/z 457.2308
H OS G31 P160811 220811-s1.02667.02667.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

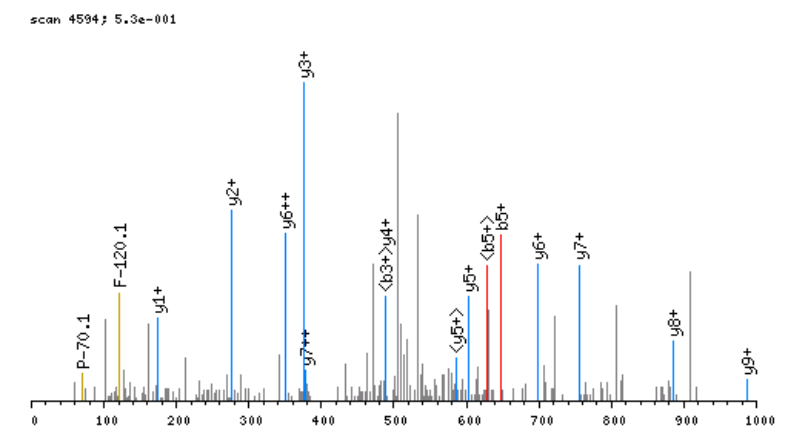
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	13		
266.1386	2	A	12	1175.5843	588.2961
353.1706	3	S	11	1104.5472	552.7775
481.2292	4	Q	10	1017.5151	509.2615
580.2976	5	V	9	889.4566	**445.2322**
637.3191	6	G	8	790.3881	395.6980
768.3596	7	M	7	733.3667	367.1873
869.4073	8	T	6	**602.3262**	301.6670
940.4444	9	A	5	**501.2785**	**251.1432**
1037.4971	10	P	4	**430.2414**	**215.6246**
1094.5186	11	G	3	**333.1886**	**167.0982**
1195.5663	12	T	2	276.1672	138.5875
	13	R	1	**175.1195**	88.0637

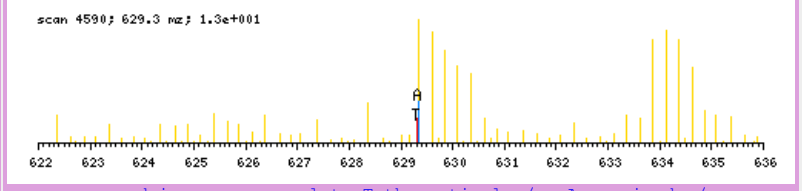
N-term:+35.07 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

CCKAADKDTCFSTEGPNLVTR, MH+ 2514.1790, m/z 629.3002
L_OS_G34_P160811_220811-s1.04594.04594.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



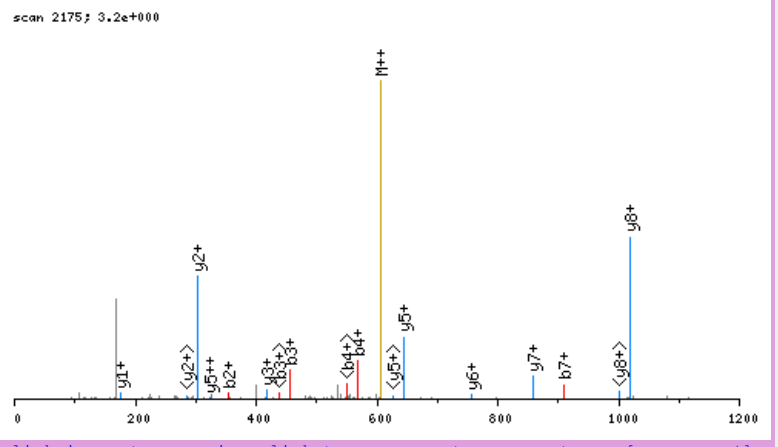
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	21		
349.1003	2	C	20	2326.1171	1163.5625
505.2266	3	K	19	2166.0865	1083.5472
576.2637	4	A	18	2009.9602	1005.4840
647.3008	5	A	17	1938.9231	969.9655
762.3278	6	D	16	1867.8860	934.4469
918.4541	7	K	15	1752.8590	876.9334
1033.4810	8	D	14	1596.7327	798.8703
1134.5287	9	T	13	1481.7058	741.3568
1294.5593	10	C	12	1380.6581	690.8330
1441.6277	11	F	11	1220.6275	610.8177
1528.6597	12	S	10	1073.5591	537.2835
1629.7074	13	T	9	**986.5271**	493.7675
1758.7500	14	E	8	**885.4794**	443.2436
1815.7715	15	G	7	**756.4368**	**378.7223**
1912.8242	16	P	6	**699.4153**	**350.2116**
2026.8672	17	N	5	**602.3626**	301.6852
2139.9512	18	L	4	**488.3197**	244.6637
2239.0196	19	V	3	**375.2356**	188.1217
2340.0673	20	T	2	**276.1672**	138.5875
	21	R	1	**175.1195**	88.0637

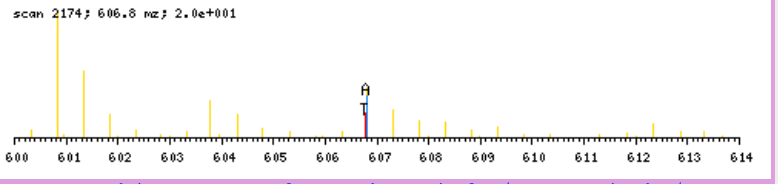
N-term:+29.04 C(1):+160.03
C(2):+160.03 K(3):+156.13 K(7):+156.13
C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CCTLPEDQR, MH+ 1212.5564, m/z 606.7818
H OS G31 P160811 220811-s1.02175.02175.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



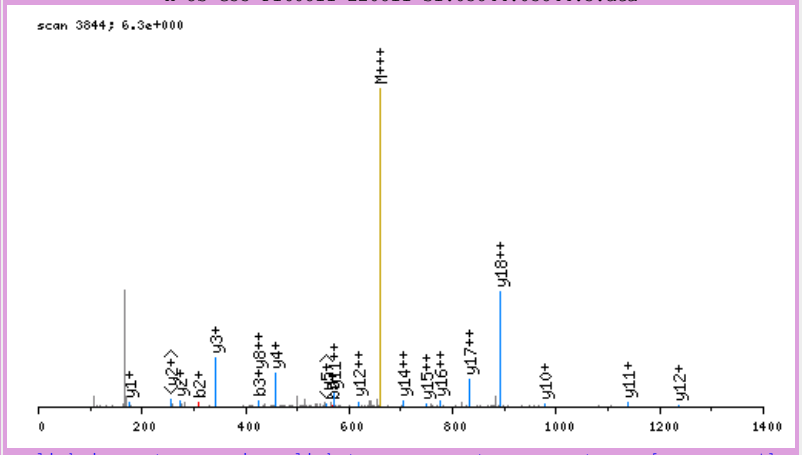
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	9		
355.1321	2	C	8	**1018.4627**	509.7353
456.1798	3	T	7	**858.4321**	429.7200
569.2638	4	L	6	**757.3844**	379.1961
666.3166	5	P	5	**644.3004**	**322.6541**
795.3592	6	E	4	547.2476	274.1277
910.3861	7	D	3	**418.2050**	209.6064
1038.4447	8	Q	2	**303.1781**	152.0930
	9	R	1	**175.1195**	88.0637

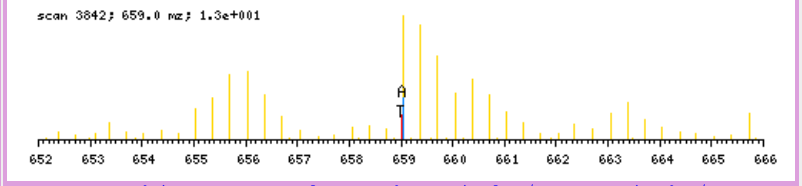
N-term:+35.07 C(1):+160.03
C(2):+160.03

CDNGSGLVKAGFAGDDAPR, MH+ 1974.9979, m/z 659.0042
H OS G33 P160811 220811-s1.03844.03844.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



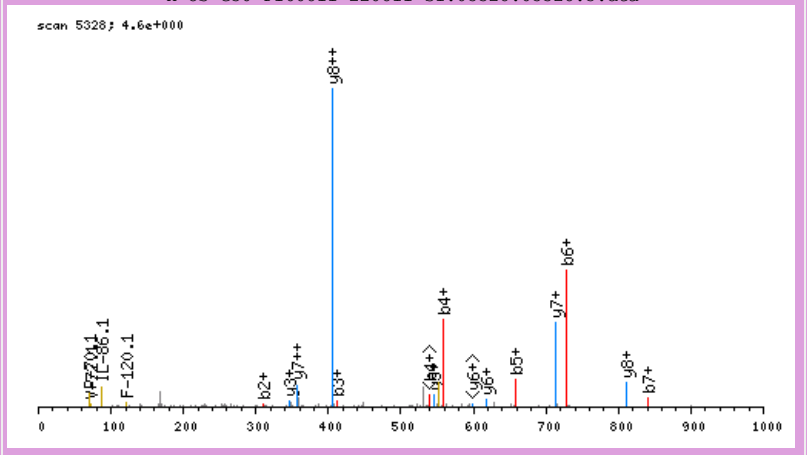
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	19		
310.1284	2	D	18	1780.9042	**890.9560**
424.1714	3	N	17	1665.8773	**833.4426**
481.1928	4	G	16	1551.8344	**776.4211**
568.2249	5	S	15	1494.8129	**747.9104**
625.2463	6	G	14	1407.7809	**704.3944**
738.3304	7	L	13	1350.7594	675.8836
837.3988	8	V	12	**1237.6753**	**619.3416**
999.5569	9	K	11	**1138.6069**	**569.8074**
1070.5940	10	A	10	**976.4488**	488.7283
1127.6155	11	G	9	905.4117	453.2098
1274.6839	12	F	8	848.3903	**424.6990**
1345.7210	13	A	7	701.3218	351.1648
1402.7425	14	G	6	630.2847	315.6463
1517.7694	15	D	5	573.2633	287.1355
1632.7964	16	D	4	**458.2363**	229.6221
1703.8335	17	A	3	**343.2094**	172.1086
1800.8862	18	P	2	**272.1723**	136.5900
	19	R	1	**175.1195**	88.0637

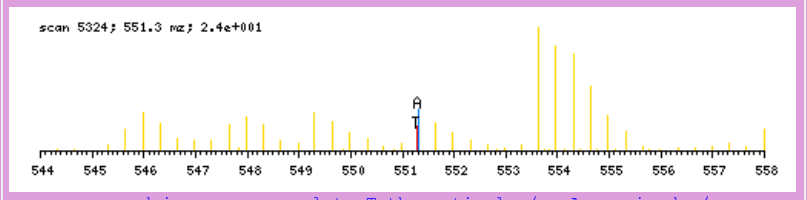
N-term:+35.07 C(1):+160.03
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CDTFVALPPATVGNR, MH+ 1651.8689, m/z 551.2945
H OS G30 P160811 220811-s1.05328.05328.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



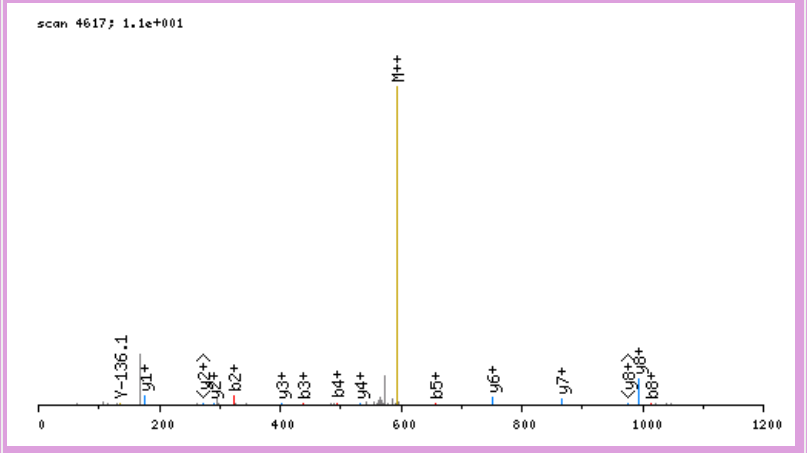
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	15		
310.1284	2	D	14	1457.7753	729.3915
411.1761	3	T	13	1342.7483	671.8781
558.2445	4	F	12	1241.7006	621.3542
657.3129	5	V	11	1094.6322	547.8200
728.3501	6	A	10	995.5638	498.2858
841.4341	7	L	9	924.5267	462.7673
938.4869	8	P	8	**811.4426**	**406.2252**
1035.5397	9	P	7	**714.3899**	**357.6988**
1106.5768	10	A	6	**617.3371**	309.1725
1207.6244	11	T	5	**546.3000**	273.6539
1306.6929	12	V	4	445.2523	223.1301
1363.7143	13	G	3	**346.1839**	173.5959
1477.7573	14	N	2	289.1624	145.0851
	15	R	1	175.1195	88.0637

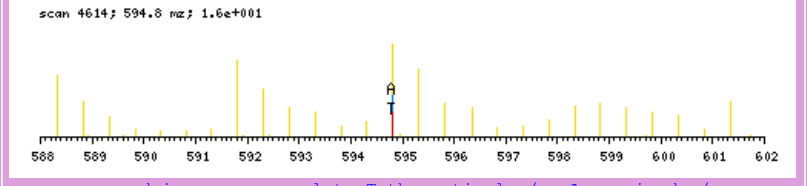
N-term:+35.07 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CEIGYELDR, MH+ 1188.5782, m/z 594.7928
H OS G31 P160811 220811-s1.04617.04617.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



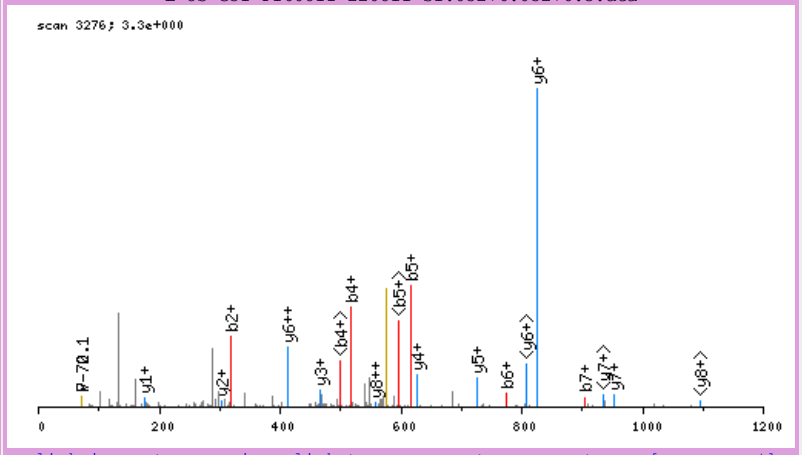
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	9		
324.1441	2	E	8	**994.4846**	497.7462
437.2282	3	I	7	**865.4420**	433.2249
494.2496	4	G	6	**752.3579**	376.6829
657.3129	5	Y	5	695.3364	348.1721
786.3555	6	E	4	**532.2731**	266.6405
899.4396	7	L	3	**403.2305**	202.1192
1014.4665	8	D	2	**290.1464**	145.5771
	9	R	1	**175.1195**	88.0637

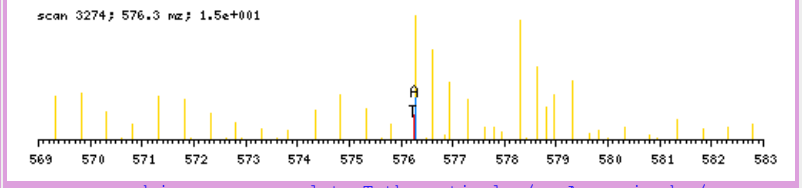
N-term:+35.07 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CEPTVCQPTCYQR, MH+ 1726.7350, m/z 576.2498
L_OS_G31_P160811_220811-s1.03276.03276.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

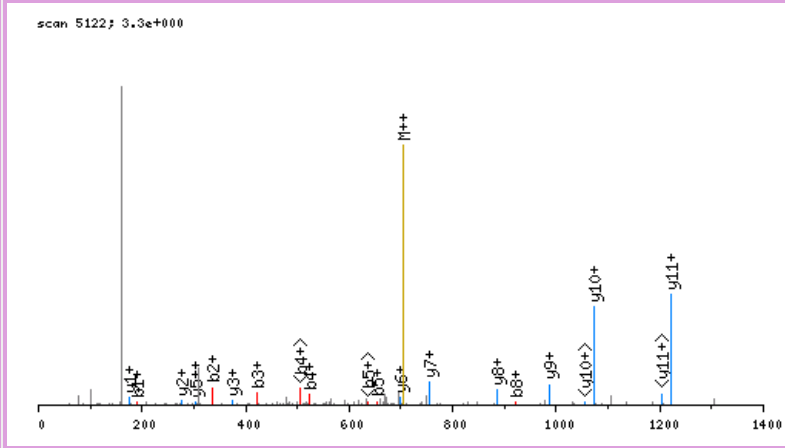


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

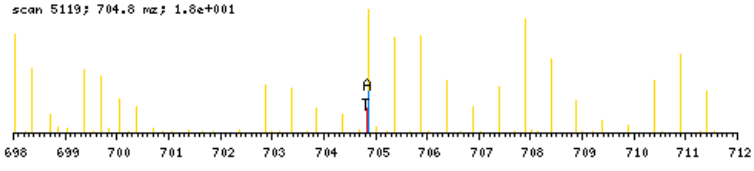
b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	13		
318.1123	2	E	12	1538.6731	769.8405
415.1651	3	P	11	1409.6305	705.3192
516.2127	4	T	10	1312.5777	656.7928
615.2811	5	V	9	1211.5300	606.2689
775.3117	6	C	8	1112.4616	**556.7347**
903.3703	7	Q	7	**952.4310**	476.7194
1000.4231	8	P	6	**824.3724**	**412.6901**
1101.4708	9	T	5	**727.3197**	364.1638
1261.5014	10	C	4	**626.2720**	313.6399
1424.5647	11	Y	3	**466.2414**	233.6246
1552.6233	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

N-term:+29.04 C(1):+160.03
C(6):+160.03 C(10):+160.03

CFSTEGPNLVTR, MH+ 1408.6894, m/z 704.8483
L OS G31 P160811 220811-s1.05122.05122.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

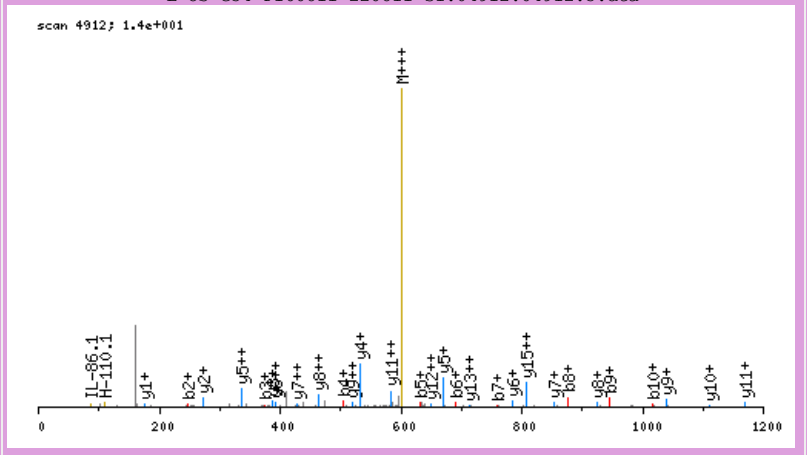
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	12		
336.1381	2	F	11	1220.6275	610.8177
423.1701	3	S	10	1073.5591	537.2835
524.2178	4	T	9	986.5271	493.7675
653.2604	5	E	8	885.4794	443.2436
710.2819	6	G	7	756.4368	378.7223
807.3346	7	P	6	699.4153	350.2116
921.3776	8	N	5	602.3626	301.6852
1034.4616	9	L	4	488.3197	244.6637
1133.5300	10	V	3	375.2356	188.1217
1234.5777	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

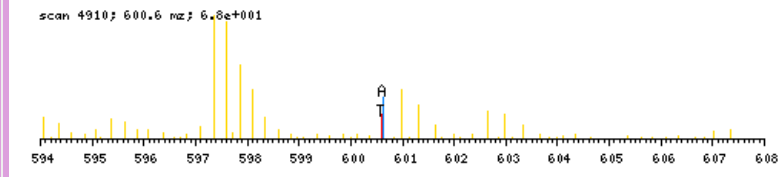
N-term:+29.04 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CGEEQGADAALHFNPR, MH+ 1799.8134, m/z 600.6093
L OS G34 P160811 220811-s1.04912.04912.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



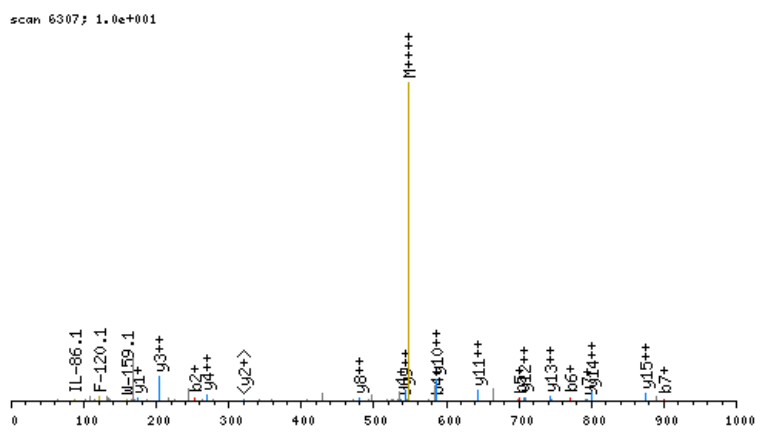
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	16		
246.0912	2	G	15	1611.7516	806.3797
375.1338	3	E	14	1554.7301	777.8690
504.1764	4	E	13	1425.6875	713.3477
632.2349	5	Q	12	1296.6449	648.8264
689.2564	6	G	11	1168.5863	584.7971
760.2935	7	A	10	1111.5649	556.2863
875.3204	8	D	9	1040.5278	520.7678
946.3576	9	A	8	925.5008	463.2543
1017.3947	10	A	7	854.4637	427.7358
1130.4787	11	L	6	783.4266	392.2172
1267.5377	12	H	5	670.3425	335.6752
1414.6061	13	F	4	533.2836	267.1457
1528.6490	14	N	3	386.2152	193.6115
1625.7018	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

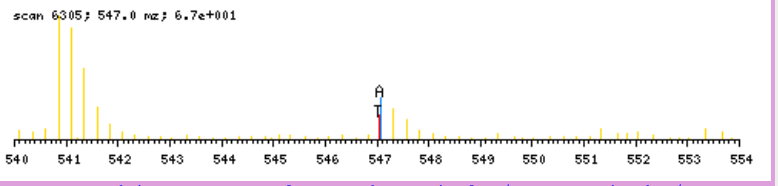
N-term:+29.04 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CGWFDAELSEKGAEEAKR, MH+ 2185.1448, m/z 547.0417
H OS G34 P160811 220811-s1.06307.06307.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

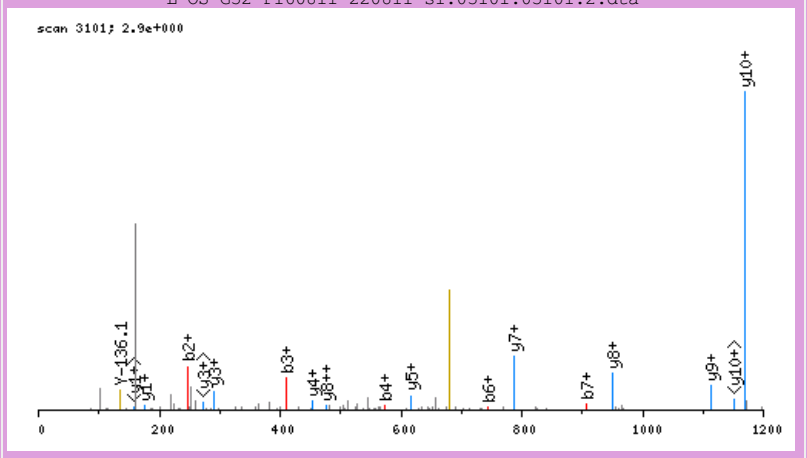


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

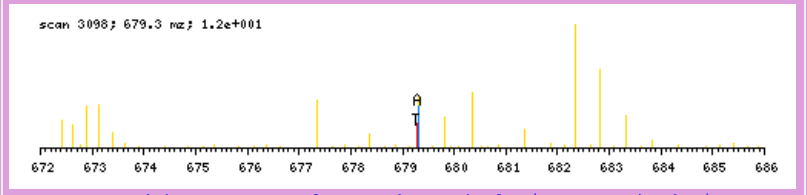
b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	18		
252.1230	2	G	17	1991.0511	996.0295
438.2023	3	W	16	1934.0296	967.5187
585.2707	4	F	15	1747.9503	**874.4791**
700.2976	5	D	14	1600.8819	**800.9449**
771.3347	6	A	13	1485.8550	**743.4314**
900.3773	7	E	12	1414.8179	**707.9128**
1013.4614	8	L	11	1285.7753	**643.3915**
1100.4934	9	S	10	1172.6912	**586.8495**
1229.5360	10	E	9	1085.6592	**543.3335**
1391.6941	11	K	8	956.6166	**478.8122**
1448.7156	12	G	7	**794.4585**	397.7332
1519.7527	13	A	6	737.4370	369.2224
1648.7953	14	E	5	666.3999	333.7039
1777.8379	15	E	4	**537.3573**	**269.1826**
1848.8750	16	A	3	408.3147	**204.6613**
2011.0331	17	K	2	337.2776	169.1427
	18	R	1	**175.1195**	88.0637

N-term:+35.07 C(1):+160.03
K(11):+162.16 K(17):+162.16

CGYYGNYYGGR, MH+ 1357.5635, m/z 679.2854
L OS G32 P160811 220811-s1.03101.03101.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

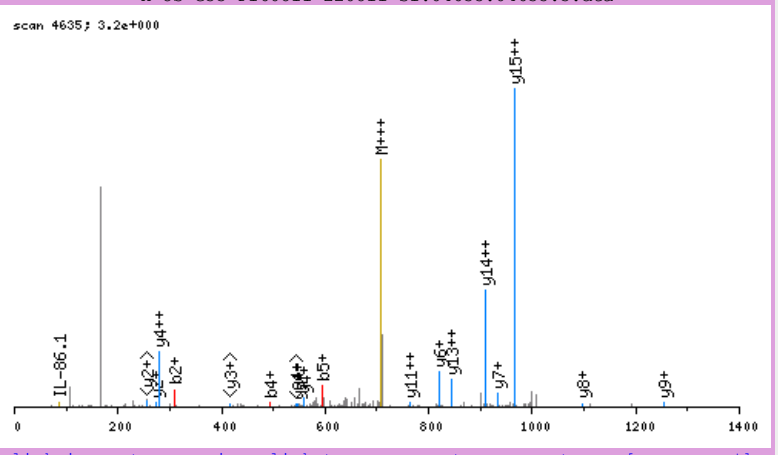
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	11		
246.0912	2	G	10	**1169.5016**	585.2547
409.1545	3	Y	9	**1112.4801**	556.7440
572.2178	4	Y	8	**949.4168**	**475.2123**
629.2393	5	G	7	**786.3535**	393.6807
743.2822	6	N	6	729.3320	365.1699
906.3455	7	Y	5	**615.2891**	308.1485
1069.4089	8	Y	4	**452.2258**	226.6168
1126.4303	9	G	3	**289.1624**	145.0851
1183.4518	10	G	2	232.1410	116.5744
	11	R	1	**175.1195**	88.0637

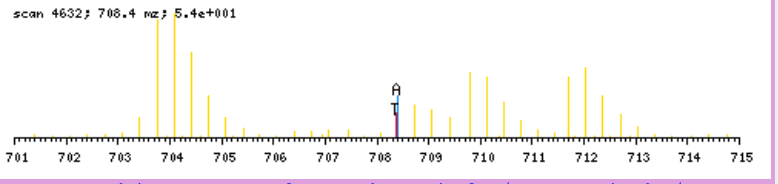
N-term:+29.04 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CIEGTCICKLPYQCPR, MH+ 2123.0544, m/z 708.3563
H OS G33 P160811 220811-s1.04635.04635.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



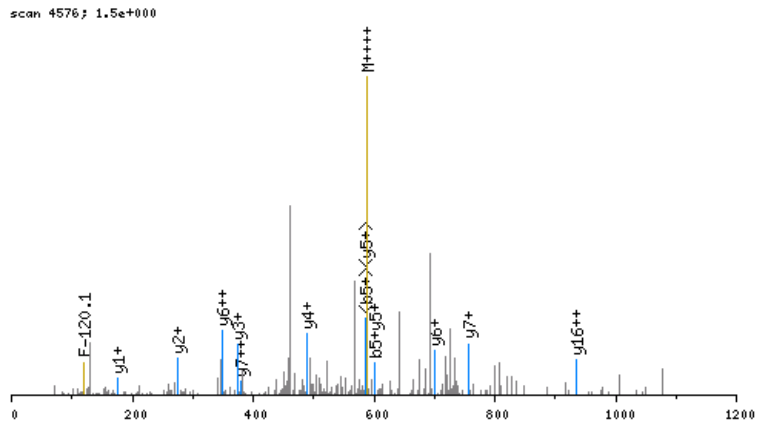
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	16		
308.1856	2	I	15	1928.9608	**964.9843**
437.2282	3	E	14	1815.8767	**908.4423**
494.2496	4	G	13	1686.8341	**843.9210**
595.2973	5	T	12	1629.8126	815.4102
755.3279	6	C	11	1528.7650	**764.8864**
868.4120	7	I	10	1368.7344	684.8711
1028.4426	8	C	9	**1255.6503**	628.3291
1190.6007	9	K	8	**1095.6197**	**548.3138**
1303.6847	10	L	7	**933.4616**	467.2347
1400.7375	11	P	6	**820.3775**	410.6927
1563.8008	12	Y	5	723.3248	362.1663
1691.8594	13	Q	4	**560.2614**	**280.6346**
1851.8900	14	C	3	432.2029	216.6053
1948.9428	15	P	2	**272.1723**	136.5900
	16	R	1	175.1195	88.0637

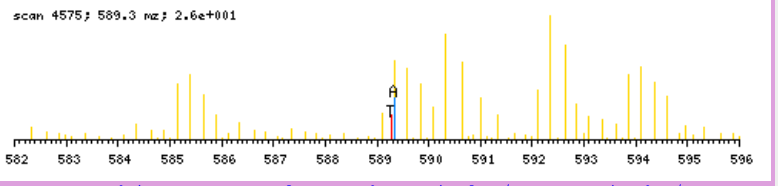
N-term:+35.07 C(1):+160.03
C(6):+160.03 C(8):+160.03 K(9):+162.16
C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

CKAADKDTCFSTEGPNLVTR, MH+ 2354.1484, m/z 589.2926
L OS G34 P160811 220811-s1.04576.04576.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



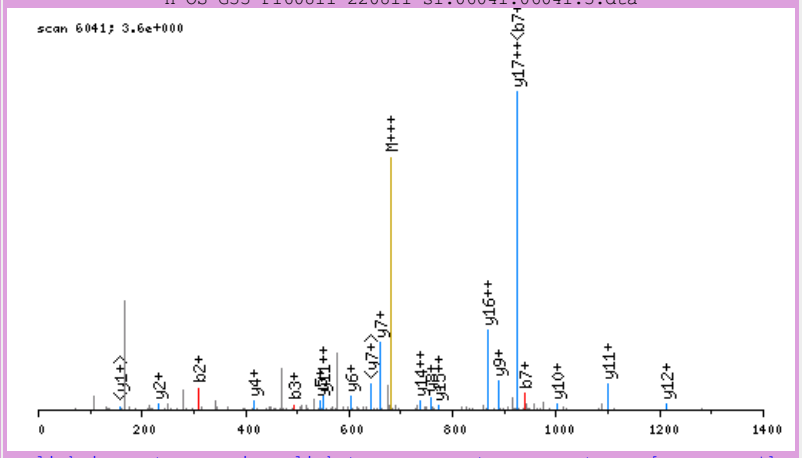
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	20		
345.1960	2	K	19	2166.0865	1083.5472
416.2331	3	A	18	2009.9602	1005.4840
487.2702	4	A	17	1938.9231	969.9655
602.2972	5	D	16	1867.8860	**934.4469**
758.4235	6	K	15	1752.8590	876.9334
873.4504	7	D	14	1596.7327	798.8703
974.4981	8	T	13	1481.7058	741.3568
1134.5287	9	C	12	1380.6581	690.8330
1281.5971	10	F	11	1220.6275	610.8177
1368.6291	11	S	10	1073.5591	537.2835
1469.6768	12	T	9	986.5271	493.7675
1598.7194	13	E	8	885.4794	443.2436
1655.7409	14	G	7	**756.4368**	**378.7223**
1752.7936	15	P	6	**699.4153**	**350.2116**
1866.8366	16	N	5	**602.3626**	301.6852
1979.9206	17	L	4	**488.3197**	244.6637
2078.9890	18	V	3	**375.2356**	188.1217
2180.0367	19	T	2	**276.1672**	138.5875
	20	R	1	**175.1195**	88.0637

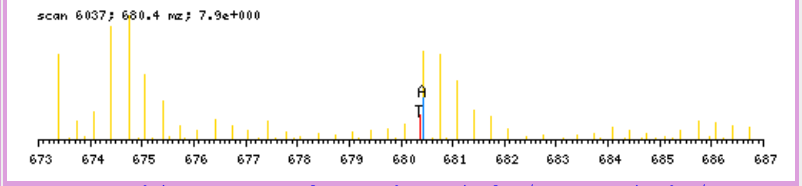
N-term:+29.04 C(1):+160.03
K(2):+156.13 K(6):+156.13 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CLWAKVNPDEVGGEALGR, MH+ 2039.1020, m/z 680.3722
H OS G33 P160811 220811-s1.06041.06041.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



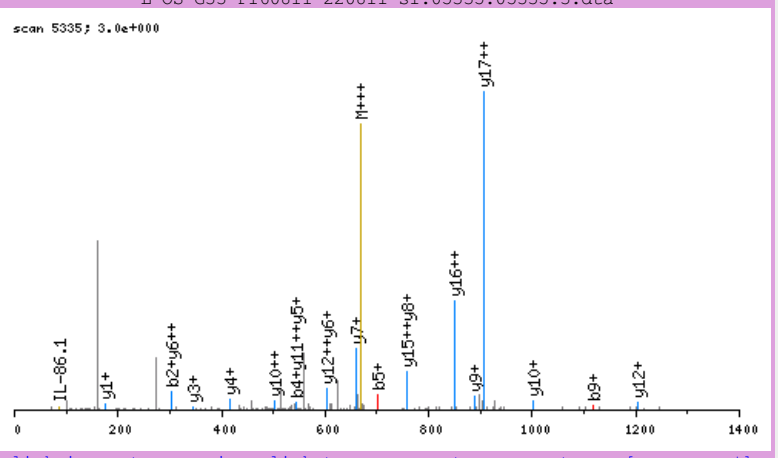
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	18		
308.1856	2	L	17	1845.0083	**923.0081**
494.2649	3	W	16	1731.9242	**866.4660**
565.3020	4	A	15	1545.8449	**773.4264**
727.4601	5	K	14	1474.8078	**737.9078**
826.5285	6	V	13	1312.6497	656.8288
940.5714	7	N	12	**1213.5813**	607.2946
1037.6242	8	P	11	**1099.5384**	**550.2731**
1152.6511	9	D	10	**1002.4856**	501.7467
1281.6937	10	E	9	**887.4587**	444.2332
1380.7621	11	V	8	**758.4161**	379.7120
1437.7836	12	G	7	**659.3477**	330.1777
1494.8051	13	G	6	**602.3262**	301.6670
1623.8477	14	E	5	**545.3047**	273.1563
1694.8848	15	A	4	**416.2621**	208.6350
1807.9688	16	L	3	345.2250	173.1164
1864.9903	17	G	2	**232.1410**	116.5744
	18	R	1	175.1195	88.0637

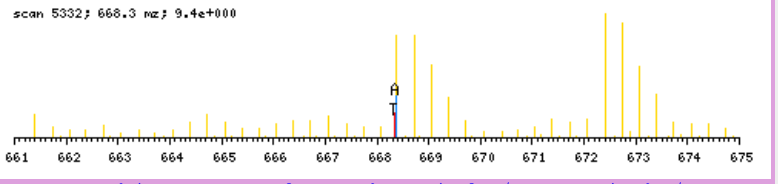
N-term:+35.07 C(1):+160.03
K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CLWGKVNSDEVGGEALGR, MH+ 2003.0020, m/z 668.3389
L OS G33 P160811 220811-s1.05335.05335.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



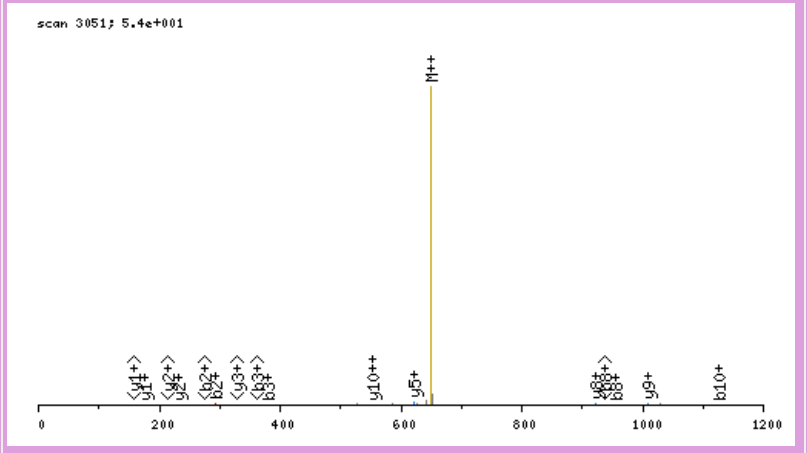
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	18		
302.1538	2	L	17	1814.9401	**907.9740**
488.2331	3	W	16	1701.8561	**851.4319**
545.2545	4	G	15	1515.7767	**758.3923**
701.3808	5	K	14	1458.7553	729.8816
800.4493	6	V	13	1302.6290	651.8184
914.4922	7	N	12	**1203.5606**	**602.2842**
1001.5242	8	S	11	1089.5176	**545.2627**
1116.5512	9	D	10	**1002.4856**	**501.7467**
1245.5937	10	E	9	**887.4587**	444.2332
1344.6622	11	V	8	**758.4161**	379.7120
1401.6836	12	G	7	**659.3477**	330.1777
1458.7051	13	G	6	**602.3262**	**301.6670**
1587.7477	14	E	5	**545.3047**	273.1563
1658.7848	15	A	4	**416.2621**	208.6350
1771.8689	16	L	3	**345.2250**	173.1164
1828.8903	17	G	2	232.1410	116.5744
	18	R	1	**175.1195**	88.0637

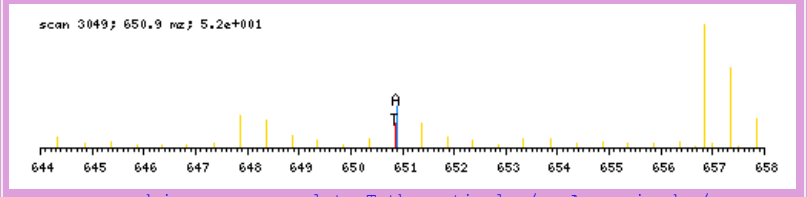
N-term:+29.04 C(1):+160.03
K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CPSTSLLYLGR, MH+ 1300.7147, m/z 650.8610
H OS G31 P160811 220811-s1.03051.03051.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



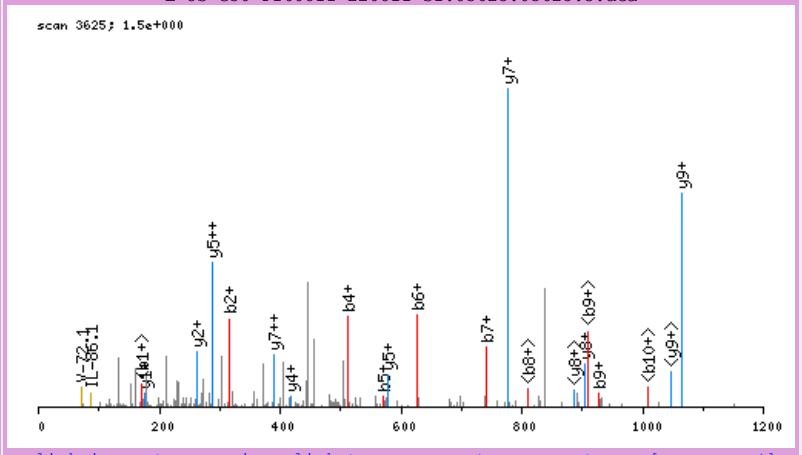
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	11		
292.1543	2	P	10	1106.6210	553.8144
379.1863	3	S	9	1009.5682	505.2880
480.2340	4	T	8	922.5362	461.7720
567.2660	5	S	7	821.4885	411.2482
680.3501	6	L	6	734.4565	367.7322
793.4341	7	L	5	621.3724	311.1901
956.4975	8	Y	4	508.2884	254.6481
1069.5815	9	L	3	345.2250	173.1164
1126.6030	10	G	2	232.1410	116.5744
	11	R	1	175.1195	88.0637

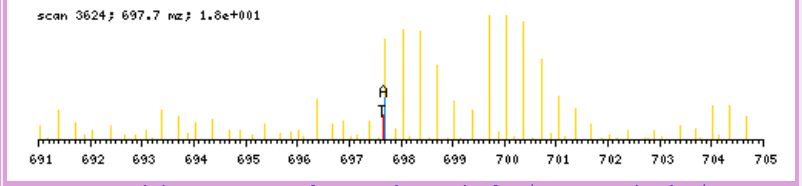
N-term:+35.07 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

CQPVGGISTVCQPTCGVSR, MH+ 2090.9784, m/z 697.6643
L OS G30 P160811 220811-s1.03625.03625.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



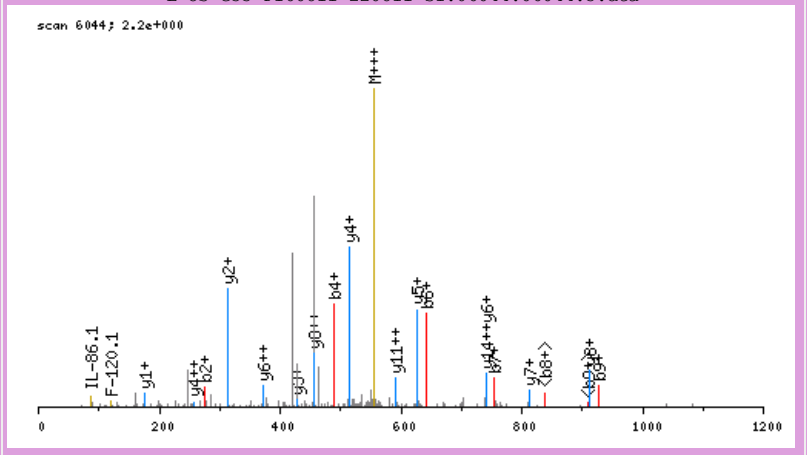
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	19		
317.1283	2	Q	18	1902.9165	951.9622
414.1810	3	P	17	1774.8579	887.9329
513.2495	4	V	16	1677.8052	839.4065
570.2709	5	G	15	1578.7367	789.8723
627.2924	6	G	14	1521.7153	761.3616
740.3764	7	I	13	1464.6938	732.8508
827.4085	8	S	12	1351.6097	676.3088
928.4562	9	T	11	1264.5777	632.7928
1027.5246	10	V	10	1163.5300	582.2689
1187.5552	11	C	9	**1064.4616**	532.7347
1315.6137	12	Q	8	**904.4310**	452.7194
1412.6665	13	P	7	**776.3724**	**388.6901**
1513.7142	14	T	6	679.3197	340.1638
1673.7448	15	C	5	**578.2720**	**289.6399**
1730.7663	16	G	4	**418.2414**	209.6246
1829.8347	17	V	3	361.2199	181.1139
1916.8667	18	S	2	**262.1515**	131.5797
	19	R	1	**175.1195**	88.0637

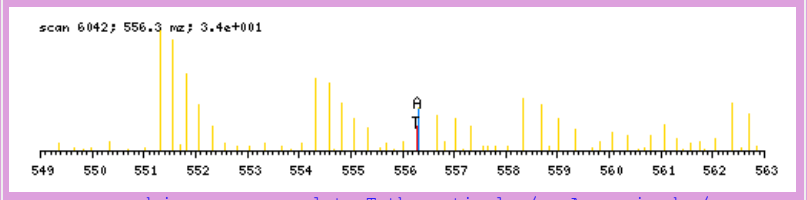
N-term:+29.04 C(1):+160.03
C(11):+160.03 C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CSPDPGLTALLSDHR, MH+ 1666.8222, m/z 556.2789
L OS G33 P160811 220811-s1.06044.06044.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



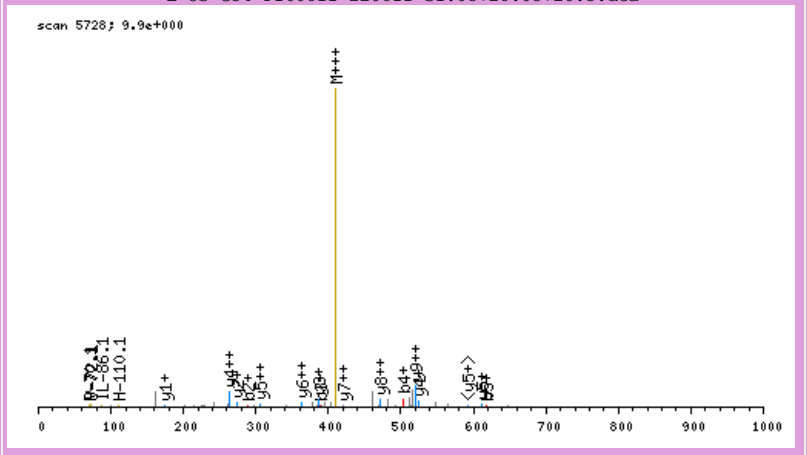
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	15		
276.1017	2	S	14	1478.7603	**739.8841**
373.1545	3	P	13	1391.7283	696.3681
488.1814	4	D	12	1294.6755	647.8417
585.2342	5	P	11	1179.6486	**590.3282**
642.2557	6	G	10	1082.5958	541.8018
755.3397	7	L	9	1025.5744	513.2911
856.3874	8	T	8	**912.4903**	**456.7491**
927.4245	9	A	7	**811.4426**	406.2252
1040.5086	10	L	6	**740.4055**	**370.7067**
1153.5926	11	L	5	**627.3214**	314.1646
1240.6247	12	S	4	**514.2374**	**257.6226**
1355.6516	13	D	3	**427.2054**	214.1066
1492.7105	14	H	2	**312.1784**	156.5931
	15	R	1	**175.1195**	88.0637

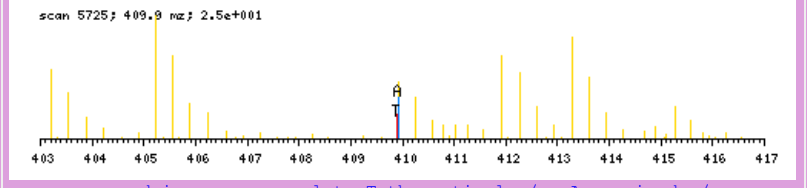
N-term:+29.04 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

CVTDISHLVR, MH+ 1227.6519, m/z 409.8888
L OS G34 P160811 220811-s1.05728.05728.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



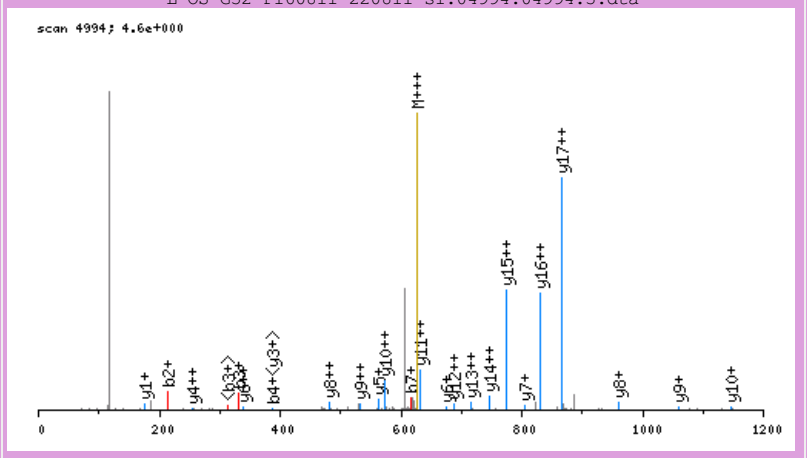
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	10		
288.1381	2	V	9	1039.5900	520.2989
389.1858	3	T	8	940.5216	470.7647
504.2127	4	D	7	839.4739	420.2409
617.2968	5	I	6	724.4470	362.7274
704.3288	6	S	5	611.3629	306.1854
841.3877	7	H	4	524.3309	262.6694
954.4718	8	L	3	387.2720	194.1399
1053.5402	9	V	2	274.1879	137.5979
	10	R	1	175.1195	88.0637

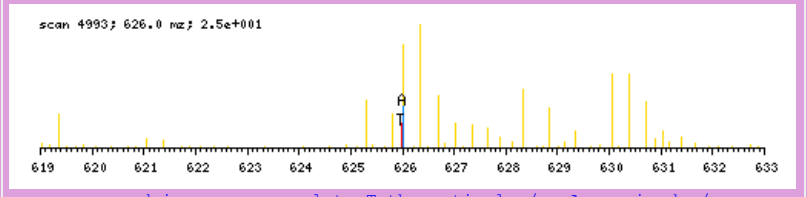
N-term:+29.04 C(1):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DADGGGDISVKELGTVMR, MH+ 1875.9486, m/z 625.9877
L OS G32 P160811 220811-s1.04994.04994.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



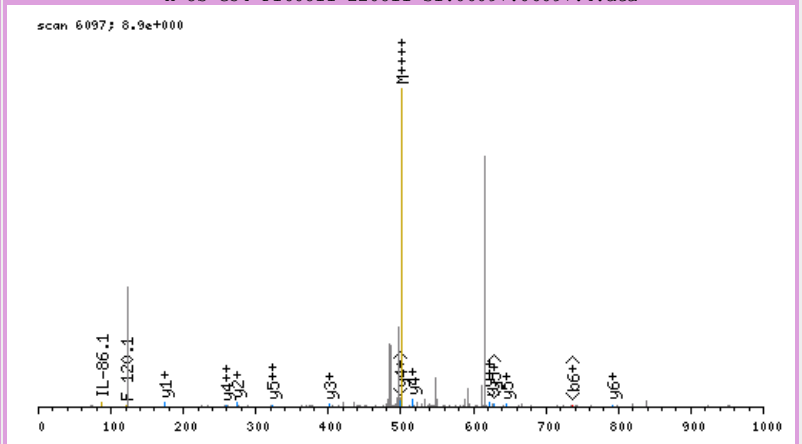
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
215.1032	2	A	17	1732.8904	**866.9491**
330.1301	3	D	16	1661.8533	**831.4306**
387.1516	4	G	15	1546.8263	**773.9171**
444.1730	5	G	14	1489.8049	**745.4064**
501.1945	6	G	13	1432.7834	**716.8956**
616.2214	7	D	12	1375.7619	**688.3849**
729.3055	8	I	11	1260.7350	**630.8714**
816.3375	9	S	10	**1147.6509**	**574.3294**
915.4059	10	V	9	**1060.6189**	**530.8134**
1071.5322	11	K	8	**961.5505**	**481.2792**
1200.5748	12	E	7	**805.4242**	403.2160
1313.6589	13	L	6	**676.3816**	**338.6947**
1370.6804	14	G	5	**563.2975**	282.1527
1471.7280	15	T	4	506.2761	**253.6420**
1570.7965	16	V	3	405.2284	203.1181
1701.8369	17	M	2	306.1600	153.5839
	18	R	1	**175.1195**	88.0637

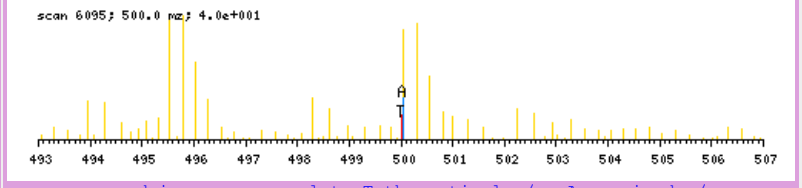
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DAEKELCKEFENQVR, MH+ 1997.0862, m/z 500.0270
H OS G34 P160811 220811-s1.06097.06097.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



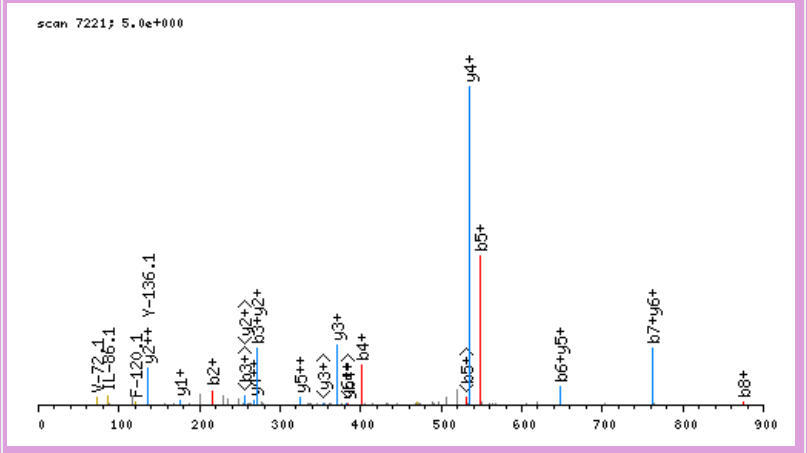
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
221.1350	2	A	14	1847.9962	924.5020
350.1776	3	E	13	1776.9591	888.9834
512.3357	4	K	12	1647.9165	824.4622
641.3782	5	E	11	1485.7584	743.3831
754.4623	6	L	10	1356.7158	678.8618
914.4929	7	C	9	1243.6317	**622.3198**
1076.6510	8	K	8	1083.6011	542.3045
1205.6936	9	E	7	921.4430	461.2254
1352.7620	10	F	6	**792.4004**	396.7041
1481.8046	11	E	5	**645.3320**	**323.1699**
1595.8475	12	N	4	**516.2894**	**258.6486**
1723.9061	13	Q	3	**402.2465**	201.6272
1822.9745	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

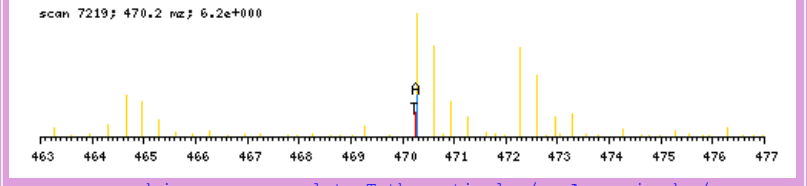
N-term:+35.07 K(4):+162.16
C(7):+160.03 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DAGEFVDLYVPR, MH+ 1408.7112, m/z 470.2419
L OS G30 P160811 220811-s1.07221.07221.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



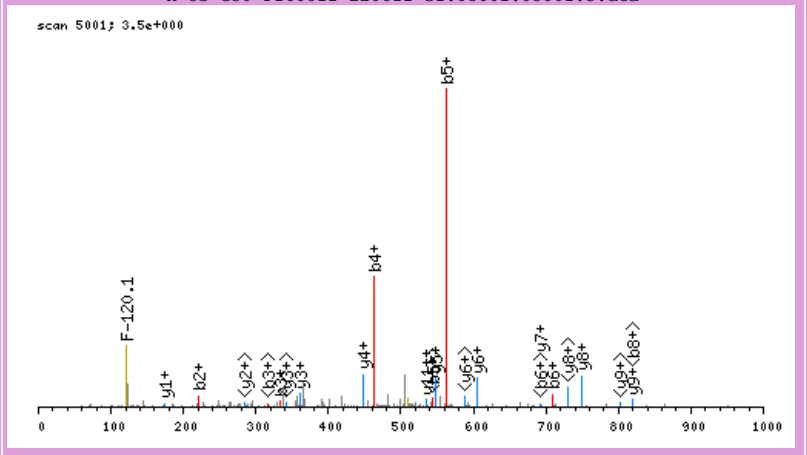
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
215.1032	2	A	11	1265.6530	633.3304
272.1246	3	G	10	1194.6159	597.8119
401.1672	4	E	9	1137.5944	569.3011
548.2356	5	F	8	1008.5518	504.7798
647.3040	6	V	7	861.4834	431.2456
762.3310	7	D	6	762.4150	381.7114
875.4150	8	L	5	647.3881	324.1979
1038.4784	9	Y	4	534.3040	267.6559
1137.5468	10	V	3	371.2407	186.1243
1234.5996	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

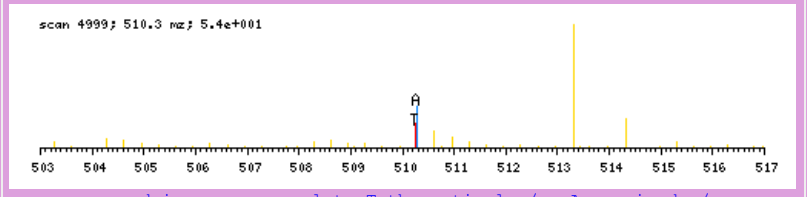
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DALEVFAGSGTSGQR, MH+ 1528.7819, m/z 510.2655
H OS G30 P160811 220811-s1.05001.05001.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



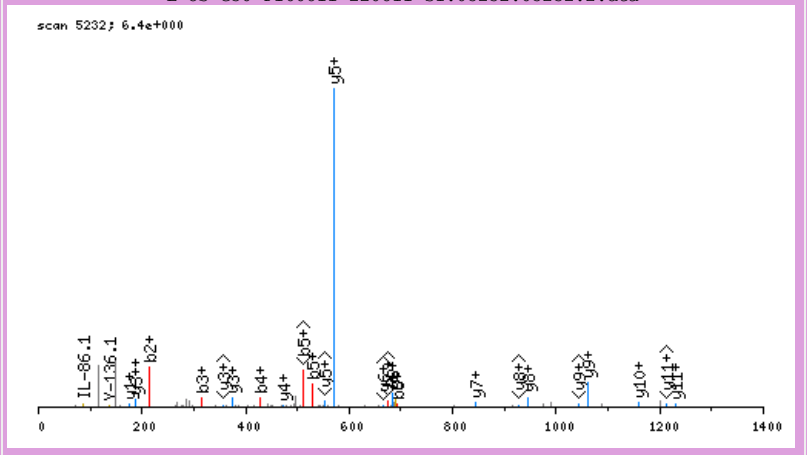
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
221.1350	2	A	14	1379.6919	690.3499
334.2190	3	L	13	1308.6548	654.8313
463.2616	4	E	12	1195.5707	598.2893
562.3300	5	V	11	1066.5281	**533.7680**
709.3984	6	F	10	967.4597	484.2338
780.4356	7	A	9	**820.3913**	410.6996
837.4570	8	G	8	**749.3542**	375.1810
924.4890	9	S	7	**692.3327**	346.6703
981.5105	10	G	6	**605.3007**	303.1543
1082.5582	11	T	5	**548.2792**	274.6435
1169.5902	12	S	4	**447.2316**	224.1197
1226.6117	13	G	3	**360.1995**	180.6037
1354.6703	14	Q	2	303.1781	152.0930
	15	R	1	**175.1195**	88.0637

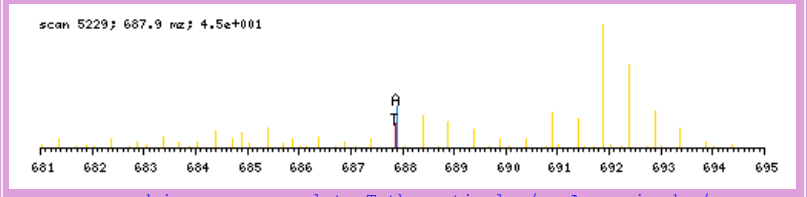
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DAVDTYIPVPTR, MH+ 1374.7269, m/z 687.8671
L OS G30 P160811 220811-s1.05232.05232.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



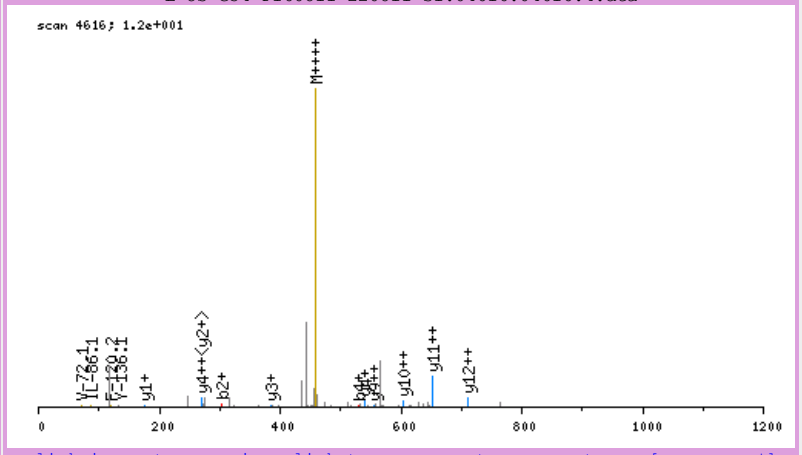
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
215.1032	2	A	11	1231.6687	616.3382
314.1716	3	V	10	1160.6315	580.8197
429.1985	4	D	9	1061.5631	531.2855
530.2462	5	T	8	946.5362	473.7720
693.3095	6	Y	7	845.4885	423.2482
806.3936	7	I	6	682.4252	341.7165
903.4463	8	P	5	569.3411	285.1745
1002.5148	9	V	4	472.2884	236.6481
1099.5675	10	P	3	373.2199	187.1139
1200.6152	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

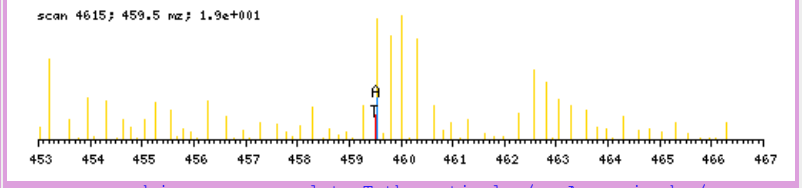
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DCILPPTRPTDKPLR, MH+ 1835.0213, m/z 459.5108
L OS G34 P160811 220811-s1.04616.04616.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



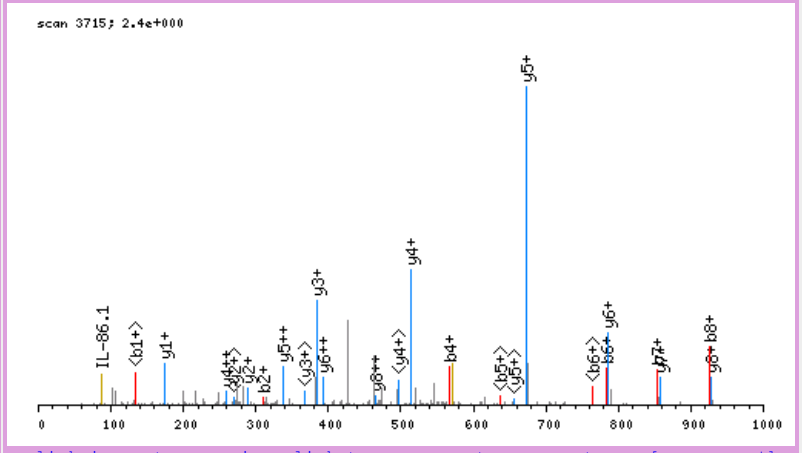
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
304.0966	2	C	14	1691.9631	846.4854
417.1807	3	I	13	1531.9325	766.4701
530.2648	4	L	12	1418.8484	**709.9281**
627.3175	5	P	11	1305.7643	**653.3861**
724.3703	6	P	10	1208.7116	**604.8597**
825.4180	7	T	9	1111.6588	**556.3333**
981.5191	8	R	8	1010.6111	505.8095
1078.5719	9	P	7	854.5100	427.7589
1179.6195	10	T	6	757.4573	379.2325
1294.6465	11	D	5	656.4096	328.7087
1450.7728	12	K	4	**541.3826**	**271.1952**
1547.8255	13	P	3	**385.2563**	193.1321
1660.9096	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

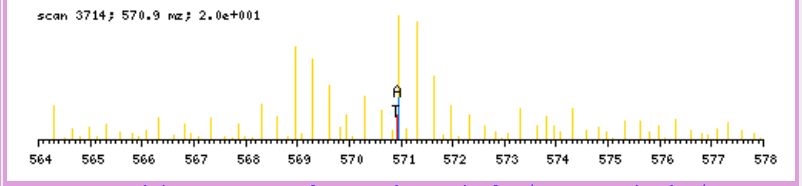
N-term:+29.04 C(2):+160.03
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DCPCSEAALCQPIR, MH+ 1710.7824, m/z 570.9323
H OS G30 P160811 220811-s1.03715.03715.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

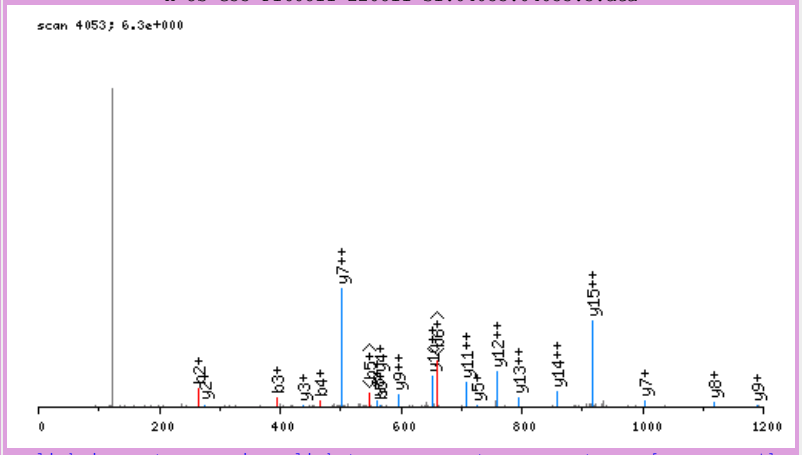


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

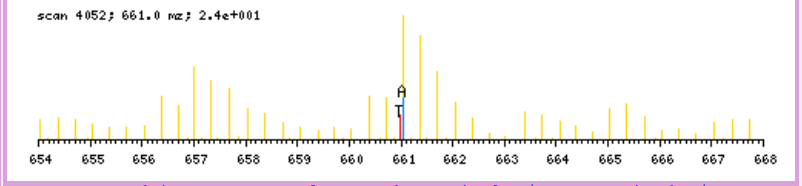
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
310.1284	2	C	13	1561.6924	781.3501
407.1812	3	P	12	1401.6618	701.3348
567.2118	4	C	11	1304.6090	652.8084
654.2438	5	S	10	1144.5784	572.7931
783.2864	6	E	9	1057.5464	529.2771
854.3235	7	A	8	**928.5038**	**464.7558**
925.3607	8	A	7	**857.4667**	429.2373
1038.4447	9	L	6	**786.4296**	**393.7187**
1198.4753	10	C	5	**673.3455**	**337.1767**
1326.5339	11	Q	4	**513.3149**	**257.1614**
1423.5867	12	P	3	**385.2563**	193.1321
1536.6707	13	I	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

N-term:+35.07 C(2):+160.03
C(4):+160.03 C(10):+160.03

DDEATILADNKCMCTR, MH+ 1980.9464, m/z 660.9870
H OS G33 P160811 220811-s1.04053.04053.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



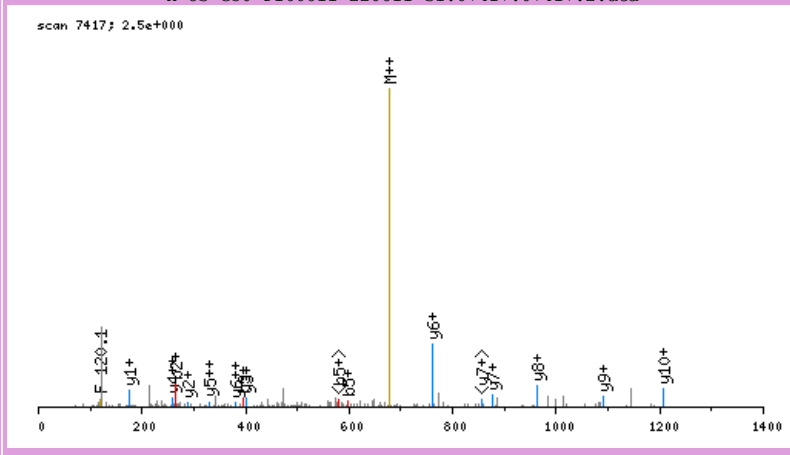
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

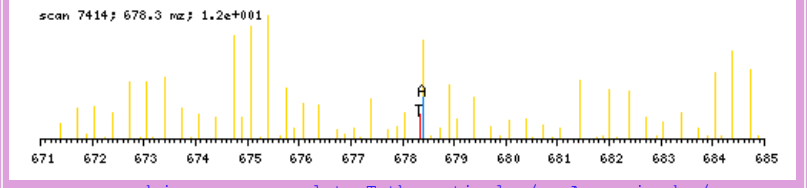
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	16		
265.1248	2	D	15	1831.8564	**916.4321**
394.1674	3	E	14	1716.8295	**858.9186**
465.2045	4	A	13	1587.7869	**794.3973**
566.2522	5	T	12	1516.7498	**758.8788**
679.3362	6	I	11	1415.7021	**708.3550**
792.4203	7	L	10	1302.6180	**651.8129**
863.4574	8	A	9	**1189.5339**	**595.2709**
978.4844	9	D	8	**1118.4968**	**559.7523**
1092.5273	10	N	7	**1003.4699**	**502.2389**
1254.6854	11	K	6	889.4270	445.2174
1414.7160	12	C	5	**727.2689**	364.1383
1545.7565	13	M	4	**567.2383**	284.1230
1705.7871	14	C	3	**436.1978**	218.6028
1806.8347	15	T	2	**276.1672**	138.5875
	16	R	1	175.1195	88.0637

N-term:+35.07 K(11):+162.16
C(12):+160.03 C(14):+160.03

DDESDPFDILR, MH+ 1355.6543, m/z 678.3308
H OS G30 P160811 220811-s1.07417.07417.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

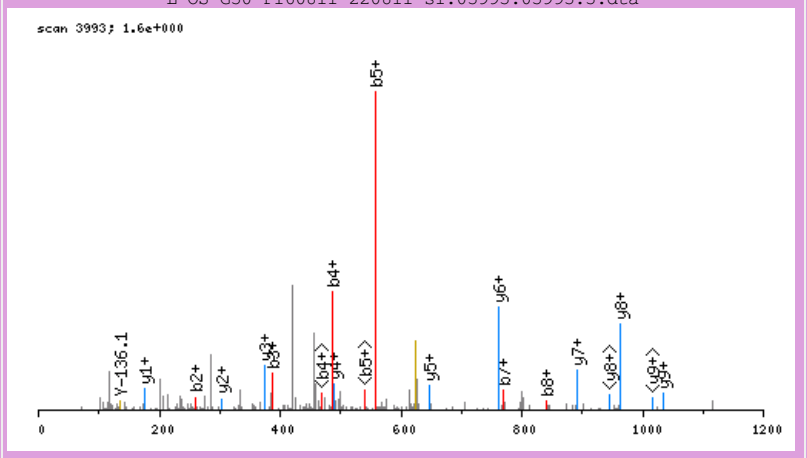
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
265.1248	2	D	10	1206.5643	603.7860
394.1674	3	E	9	1091.5373	546.2726
481.1994	4	S	8	962.4947	481.7513
596.2264	5	D	7	875.4627	438.2353
693.2791	6	P	6	760.4357	380.7218
840.3475	7	F	5	663.3830	332.1954
955.3745	8	D	4	516.3146	258.6612
1068.4585	9	I	3	401.2876	201.1477
1181.5426	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

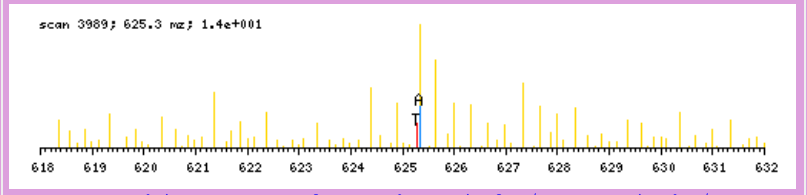
N-term:+35.07

DDEVAPDAAAENCLAER, MH+ 1873.8237, m/z 625.2794
L OS G30 P160811 220811-s1.03993.03993.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



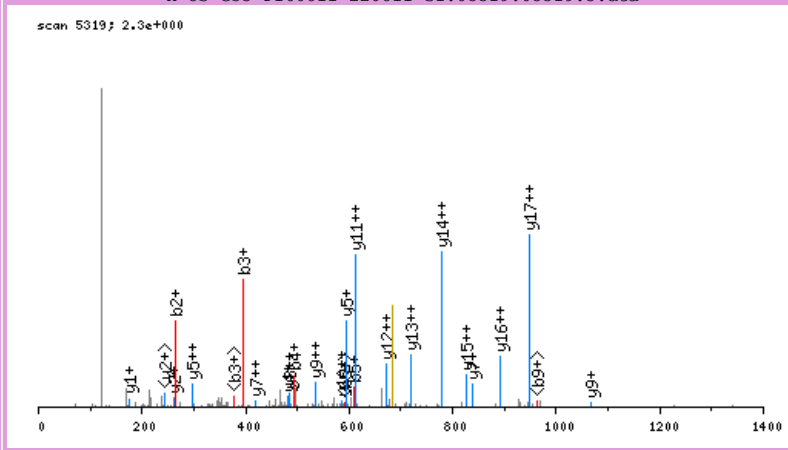
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	17		
259.0930	2	D	16	1730.7655	865.8867
388.1356	3	E	15	1615.7386	808.3732
487.2040	4	V	14	1486.6960	743.8519
558.2411	5	A	13	1387.6276	694.3177
655.2939	6	P	12	1316.5904	658.7991
770.3208	7	D	11	1219.5377	610.2728
841.3579	8	A	10	1104.5107	552.7593
912.3950	9	A	9	**1033.4736**	517.2407
983.4322	10	A	8	**962.4365**	481.7222
1112.4747	11	E	7	**891.3994**	446.2036
1226.5177	12	N	6	**762.3568**	381.6823
1386.5483	13	C	5	**648.3139**	324.6608
1499.6323	14	L	4	**488.2833**	244.6455
1570.6695	15	A	3	**375.1992**	188.1035
1699.7120	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

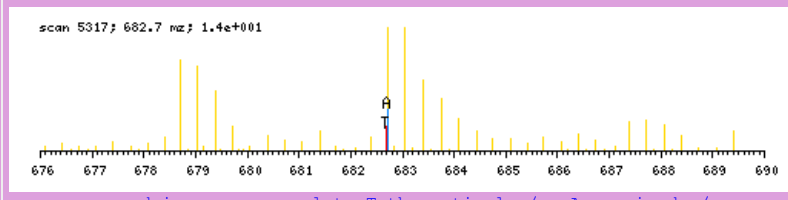
N-term:+29.04 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DDEVDVDGTVEEDLGKSR, MH+ 2046.0151, m/z 682.6766
H OS G33 P160811 220811-s1.05319.05319.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



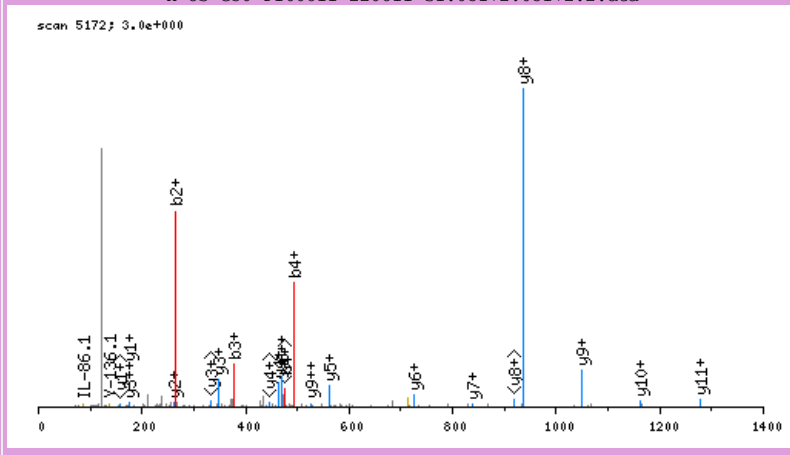
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	18		
265.1248	2	D	17	1896.9251	948.9665
394.1674	3	E	16	1781.8981	891.4530
493.2358	4	V	15	1652.8556	826.9317
608.2627	5	D	14	1553.7871	777.3975
707.3312	6	V	13	1438.7602	719.8840
822.3581	7	D	12	1339.6918	670.3498
879.3796	8	G	11	1224.6648	612.8363
980.4272	9	T	10	1167.6434	584.3256
1079.4956	10	V	9	1066.5957	533.8018
1208.5382	11	E	8	967.5273	484.2676
1337.5808	12	E	7	838.4847	419.7463
1452.6078	13	D	6	709.4421	355.2250
1565.6918	14	L	5	594.4152	297.7115
1622.7133	15	G	4	481.3311	241.1695
1784.8714	16	K	3	424.3096	212.6587
1871.9034	17	S	2	262.1515	131.5797
	18	R	1	175.1195	88.0637

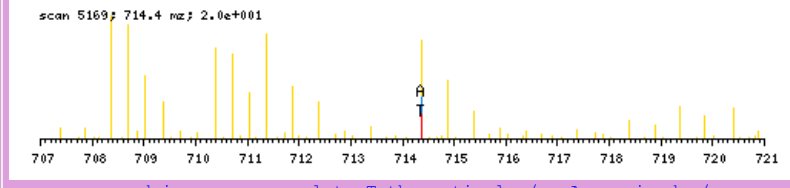
N-term:+35.07 K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DDLDPNYVLSSR, MH+ 1427.7230, m/z 714.3651
H OS G30 P160811 220811-s1.05172.05172.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



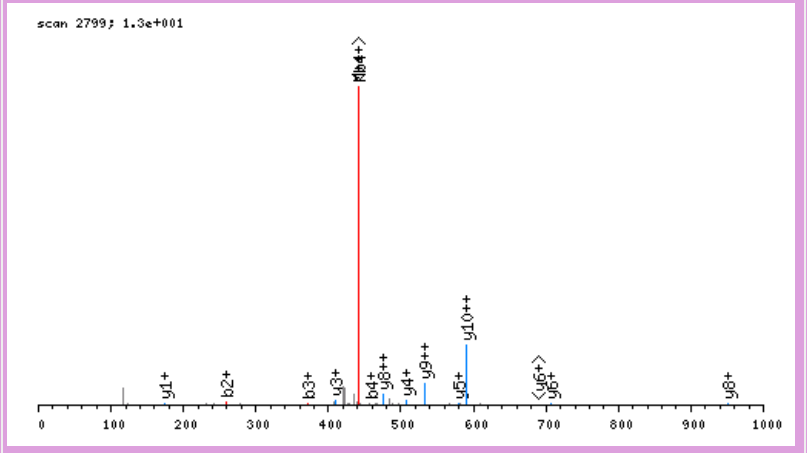
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	12		
265.1248	2	D	11	1278.6330	639.8204
378.2089	3	L	10	1163.6061	582.3069
493.2358	4	D	9	1050.5220	525.7649
590.2886	5	P	8	935.4951	468.2514
704.3315	6	N	7	838.4423	419.7251
867.3948	7	Y	6	724.3994	362.7036
966.4632	8	V	5	561.3360	281.1719
1079.5473	9	L	4	462.2676	231.6377
1166.5793	10	S	3	349.1836	175.0957
1253.6113	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

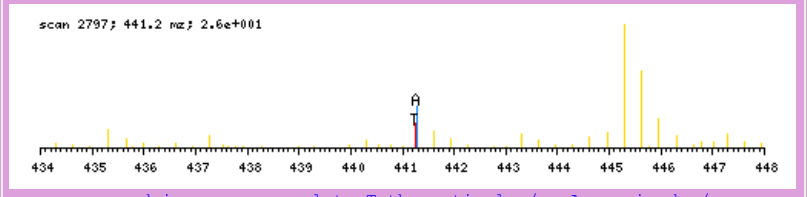
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DDLSKQAVAYR, MH+ 1321.7116, m/z 441.2421
L OS G33 P160811 220811-s1.02799.02799.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



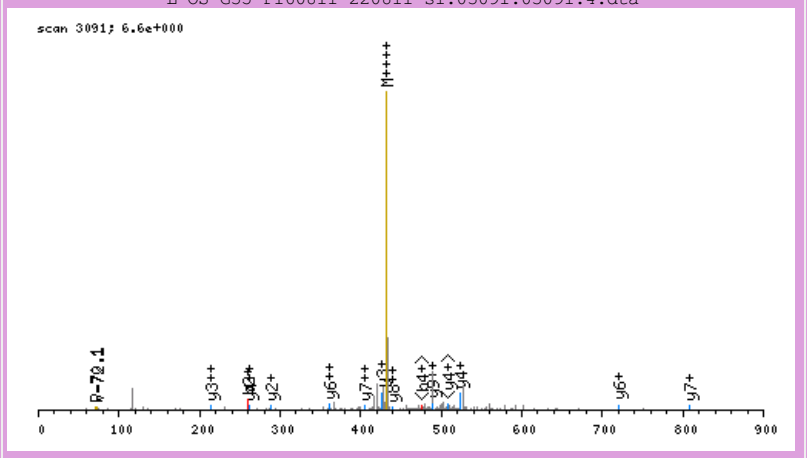
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	11		
259.0930	2	D	10	1178.6534	589.8306
372.1771	3	L	9	1063.6264	532.3171
459.2091	4	S	8	950.5424	475.7751
615.3354	5	K	7	863.5103	432.2591
743.3940	6	Q	6	707.3840	354.1959
814.4311	7	A	5	579.3255	290.1666
913.4995	8	V	4	508.2884	254.6481
984.5366	9	A	3	409.2199	205.1139
1147.5999	10	Y	2	338.1828	169.5953
	11	R	1	175.1195	88.0637

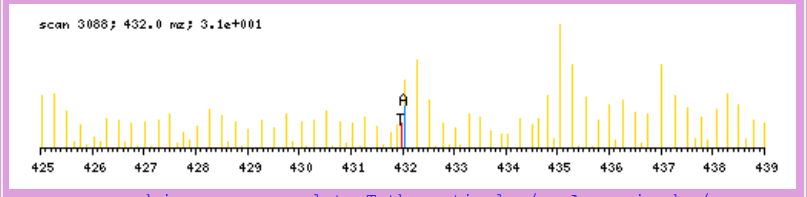
N-term:+29.04 K(5):+156.13

DDPHKTPASPVVHIR, MH+ 1724.9448, m/z 431.9917
L OS G35 P160811 220811-s1.03091.03091.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



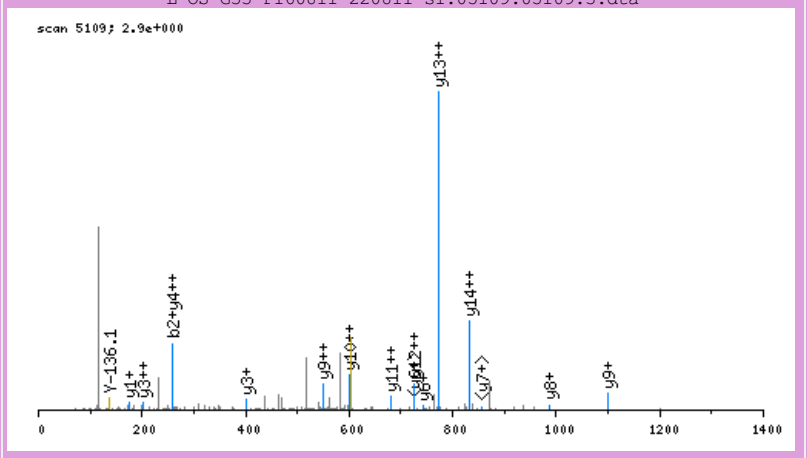
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
259.0930	2	D	14	1581.8866	791.4472
356.1458	3	P	13	1466.8596	733.9337
493.2047	4	H	12	1369.8069	685.4073
649.3310	5	K	11	1232.7480	616.8779
750.3786	6	T	10	1076.6217	538.8147
847.4314	7	P	9	975.5740	**488.2909**
918.4685	8	A	8	878.5212	**439.7645**
1005.5005	9	S	7	**807.4841**	**404.2460**
1102.5533	10	P	6	**720.4521**	**360.7299**
1201.6217	11	V	5	623.3993	312.2036
1300.6901	12	V	4	**524.3309**	**262.6694**
1437.7491	13	H	3	**425.2625**	**213.1352**
1550.8331	14	I	2	**288.2036**	144.6057
	15	R	1	175.1195	88.0637

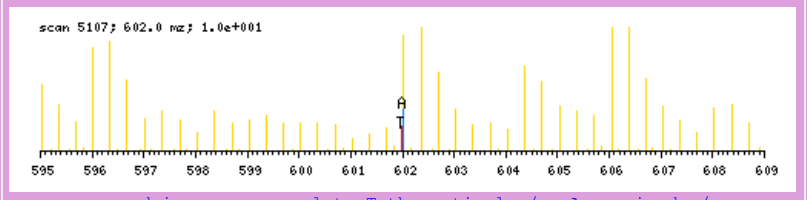
N-term:+29.04 K(5):+156.13

DDPSYVNIQNLDKAR, MH+ 1803.9241, m/z 601.9796
L OS G33 P160811 220811-s1.05109.05109.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



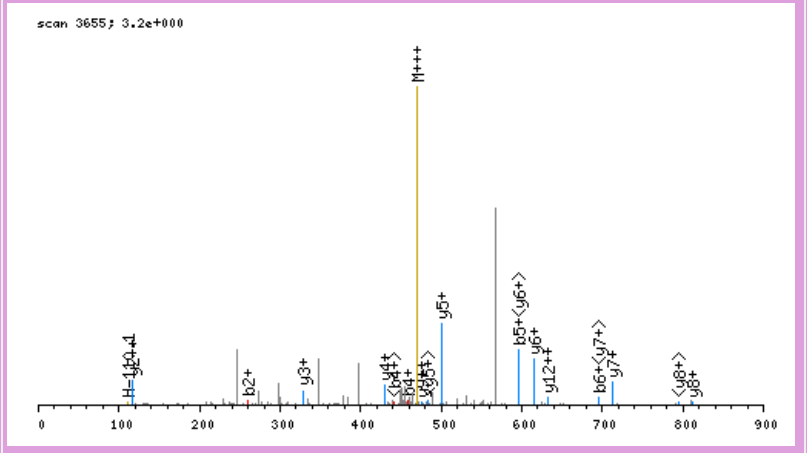
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
259.0930	2	D	14	1660.8659	**830.9369**
356.1458	3	P	13	1545.8390	**773.4234**
443.1778	4	S	12	1448.7862	**724.8970**
606.2411	5	Y	11	1361.7542	**681.3810**
705.3095	6	V	10	1198.6908	**599.8493**
819.3524	7	N	9	**1099.6224**	**550.3151**
932.4365	8	I	8	**985.5795**	493.2937
1060.4951	9	Q	7	872.4954	436.7516
1174.5380	10	N	6	**744.4368**	372.7223
1287.6221	11	L	5	630.3939	315.7009
1402.6490	12	D	4	517.3099	**259.1588**
1558.7753	13	K	3	**402.2829**	**201.6454**
1629.8124	14	A	2	246.1566	123.5822
	15	R	1	**175.1195**	88.0637

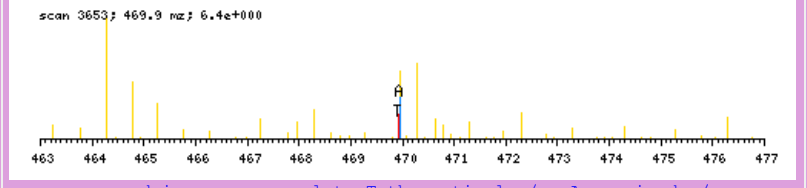
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DDTVHVVIATPGR, MH+ 1407.7596, m/z 469.9247
L OS G32 P160811 220811-s1.03655.03655.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



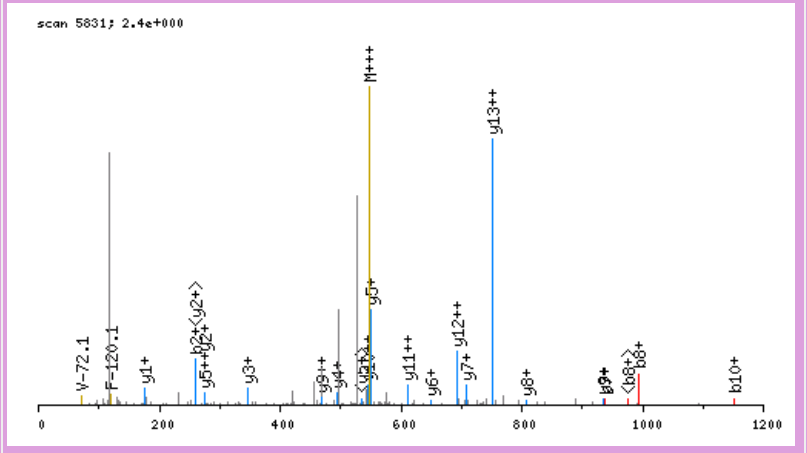
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
259.0930	2	D	12	1264.7014	**632.8546**
360.1407	3	T	11	1149.6744	575.3411
459.2091	4	V	10	1048.6267	524.8173
596.2680	5	H	9	949.5583	**475.2831**
695.3364	6	V	8	**812.4994**	406.7536
794.4048	7	V	7	**713.4310**	357.2194
907.4889	8	I	6	**614.3626**	307.6852
978.5260	9	A	5	**501.2785**	251.1432
1079.5737	10	T	4	**430.2414**	215.6246
1176.6264	11	P	3	**329.1937**	165.1008
1233.6479	12	G	2	232.1410	**116.5744**
	13	R	1	175.1195	88.0637

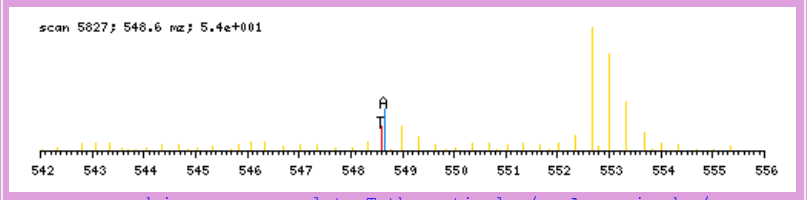
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DDYMKEVGVGFATR, MH+ 1643.8103, m/z 548.6083
L OS G33 P160811 220811-s1.05831.05831.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



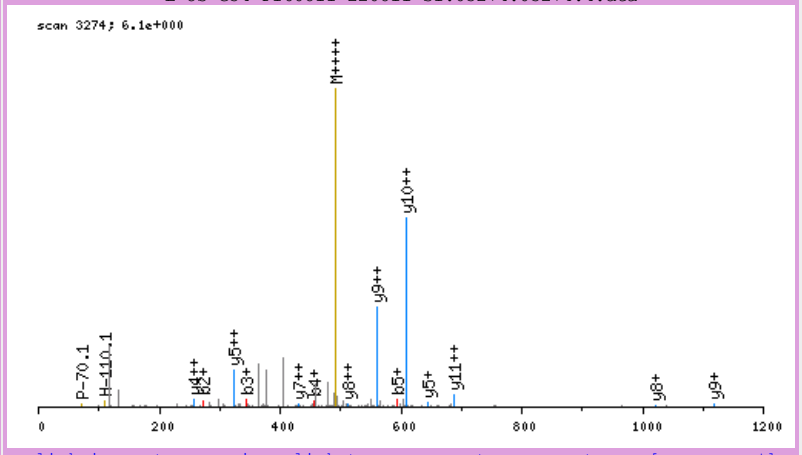
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
259.0930	2	D	13	1500.7521	750.8800
422.1563	3	Y	12	1385.7252	693.3665
553.1968	4	M	11	1222.6618	611.8348
709.3231	5	K	10	1091.6214	546.3146
838.3657	6	E	9	935.4951	468.2514
937.4341	7	V	8	806.4525	403.7301
994.4556	8	G	7	707.3840	354.1959
1093.5240	9	V	6	650.3626	325.6852
1150.5454	10	G	5	551.2942	276.1510
1297.6139	11	F	4	494.2727	247.6403
1368.6510	12	A	3	347.2043	174.1061
1469.6987	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

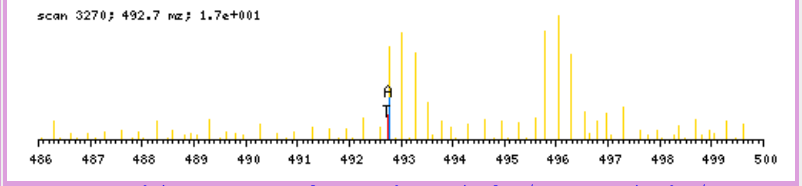
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEAIHCPPCSEEKLAR, MH+ 1967.9318, m/z 492.7384
L OS G34 P160811 220811-s1.03274.03274.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



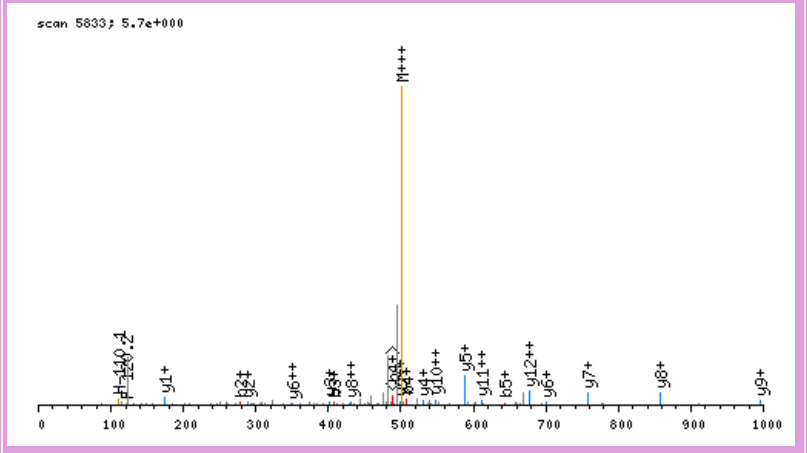
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	16		
273.1086	2	E	15	1824.8736	912.9407
344.1458	3	A	14	1695.8310	848.4194
457.2298	4	I	13	1624.7939	812.9009
594.2887	5	H	12	1511.7098	756.3588
754.3193	6	C	11	1374.6509	**687.8294**
851.3721	7	P	10	1214.6203	**607.8141**
948.4249	8	P	9	**1117.5676**	**559.2877**
1108.4555	9	C	8	**1020.5148**	**510.7613**
1195.4875	10	S	7	860.4842	**430.7460**
1324.5301	11	E	6	773.4522	387.2300
1453.5727	12	E	5	**644.4096**	**322.7087**
1609.6990	13	K	4	515.3670	**258.1874**
1722.7830	14	L	3	359.2407	180.1243
1793.8201	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

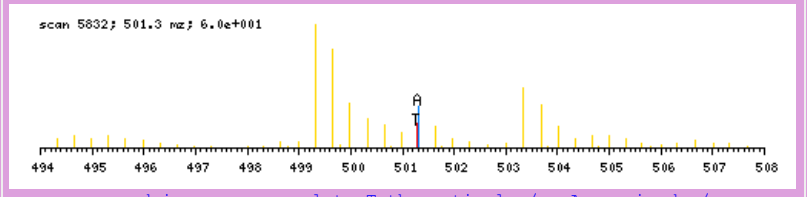
N-term:+29.04 C(6):+160.03
C(9):+160.03 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEEVHTGLGELLR, MH+ 1501.8074, m/z 501.2740
H OS G33 P160811 220811-s1.05833.05833.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



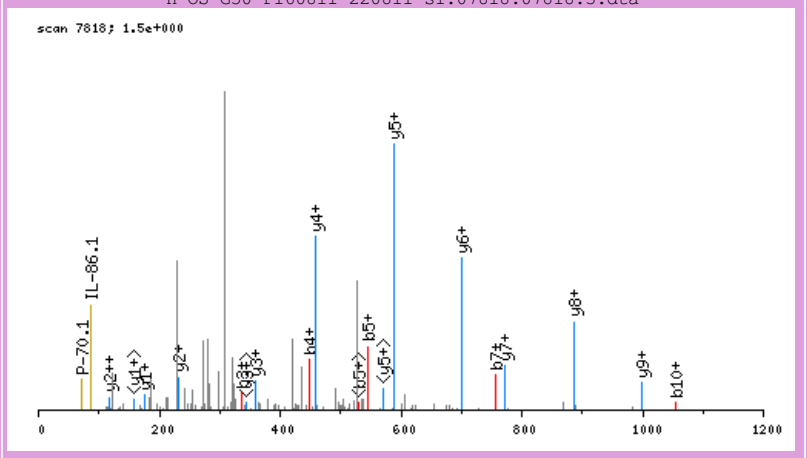
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
279.1404	2	E	12	1352.7174	676.8626
408.1830	3	E	11	1223.6748	612.3413
507.2514	4	V	10	1094.6322	547.8200
644.3104	5	H	9	995.5638	498.2858
745.3580	6	T	8	858.5049	429.7564
802.3795	7	G	7	757.4572	379.2325
915.4636	8	L	6	700.4357	350.7218
972.4850	9	G	5	587.3517	294.1798
1101.5276	10	E	4	530.3302	265.6690
1214.6117	11	L	3	401.2876	201.1477
1327.6957	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

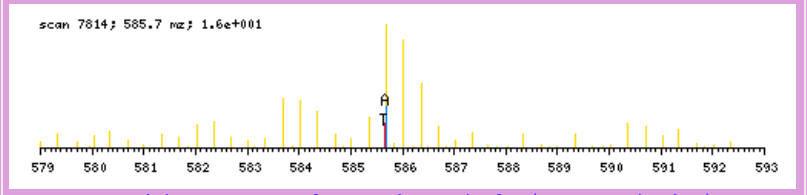
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEGLPPILNALEVQGR, MH+ 1754.9864, m/z 585.6670
H_OS_G30_P160811_220811-s1.07818.07818.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



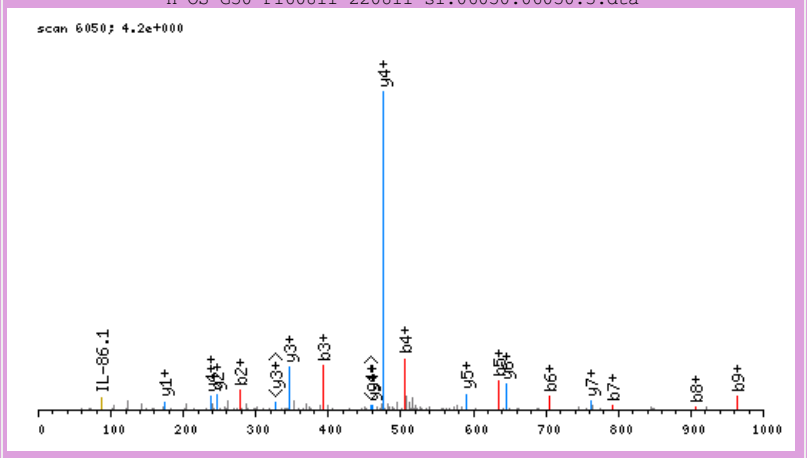
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	16		
279.1404	2	E	15	1605.8964	803.4521
336.1619	3	G	14	1476.8538	738.9308
449.2460	4	L	13	1419.8324	710.4201
546.2987	5	P	12	1306.7483	653.8781
643.3515	6	P	11	1209.6955	605.3517
756.4356	7	I	10	1112.6428	556.8253
869.5196	8	L	9	**999.5587**	500.2833
983.5625	9	N	8	**886.4747**	443.7412
1054.5997	10	A	7	**772.4317**	386.7198
1167.6837	11	L	6	**701.3946**	351.2012
1296.7263	12	E	5	**588.3105**	294.6592
1395.7947	13	V	4	**459.2680**	230.1379
1523.8533	14	Q	3	**360.1995**	180.6037
1580.8748	15	G	2	**232.1410**	**116.5744**
	16	R	1	**175.1195**	88.0637

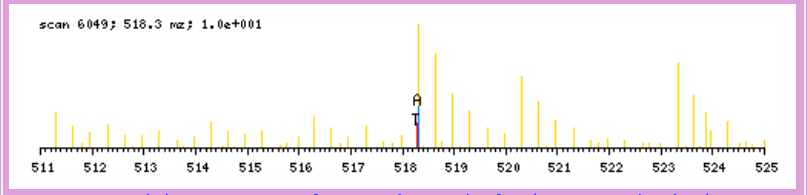
N-term:+35.07

DEILEASDGIMVAR, MH+ 1552.8105, m/z 518.2750
H OS G30 P160811 220811-s1.06050.06050.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



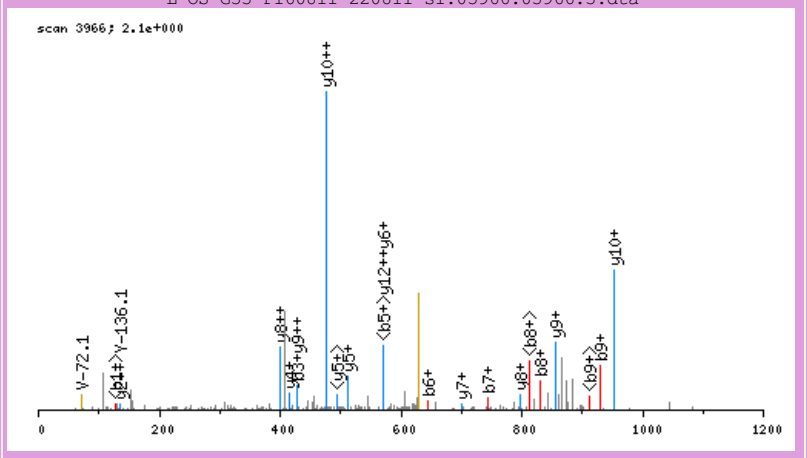
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
279.1404	2	E	13	1403.7204	702.3641
392.2245	3	I	12	1274.6778	637.8428
505.3086	4	L	11	1161.5938	581.3008
634.3512	5	E	10	1048.5097	524.7588
705.3883	6	A	9	919.4671	**460.2375**
792.4203	7	S	8	848.4300	424.7189
907.4472	8	D	7	**761.3980**	381.2029
964.4687	9	G	6	**646.3710**	323.6894
1077.5528	10	I	5	**589.3496**	295.1787
1208.5933	11	M	4	**476.2655**	**238.6367**
1307.6617	12	V	3	**345.2250**	173.1164
1378.6988	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

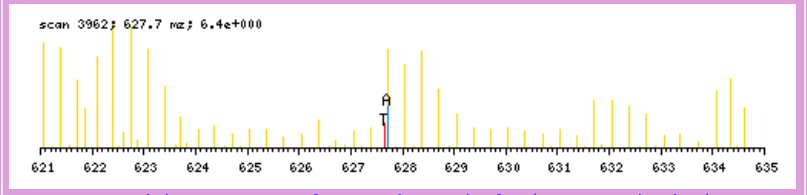
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEKSAGVSVPGPMGPSGPR, MH+ 1880.9540, m/z 627.6562
L OS G33 P160811 220811-s1.03966.03966.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



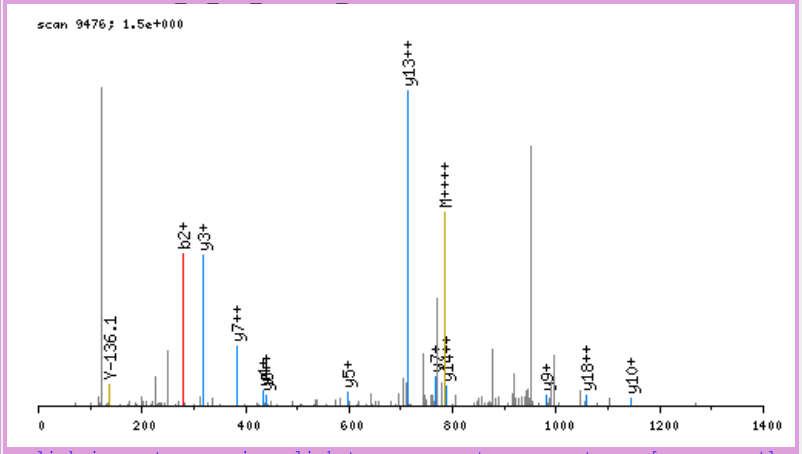
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
273.1086	2	E	18	1737.8958	869.4518
429.2349	3	K	17	1608.8532	804.9305
516.2670	4	S	16	1452.7269	726.8674
587.3041	5	A	15	1365.6949	683.3514
644.3255	6	G	14	1294.6578	647.8328
743.3940	7	V	13	1237.6363	619.3221
830.4260	8	S	12	1138.5679	**569.7879**
929.4944	9	V	11	1051.5359	526.2718
1026.5472	10	P	10	**952.4675**	**476.7376**
1083.5686	11	G	9	**855.4147**	**428.2113**
1180.6214	12	P	8	**798.3932**	**399.7005**
1311.6619	13	M	7	**701.3405**	351.1741
1368.6833	14	G	6	**570.3000**	285.6539
1465.7361	15	P	5	**513.2785**	257.1432
1552.7681	16	S	4	**416.2258**	208.6168
1609.7896	17	G	3	329.1937	165.1008
1706.8424	18	P	2	272.1723	**136.5900**
	19	R	1	175.1195	88.0637

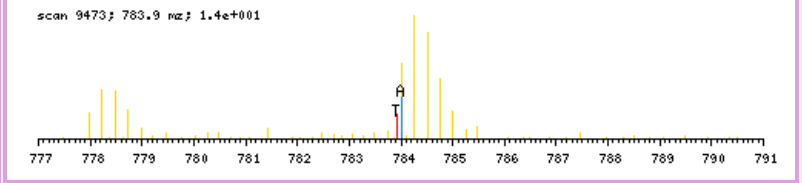
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEPQSQWDKVKDFANVYVDAVKDSGR, MH+ 3132.6915, m/z 783.9283
H_OS_G35_P160811_220811-s1.09476.09476.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



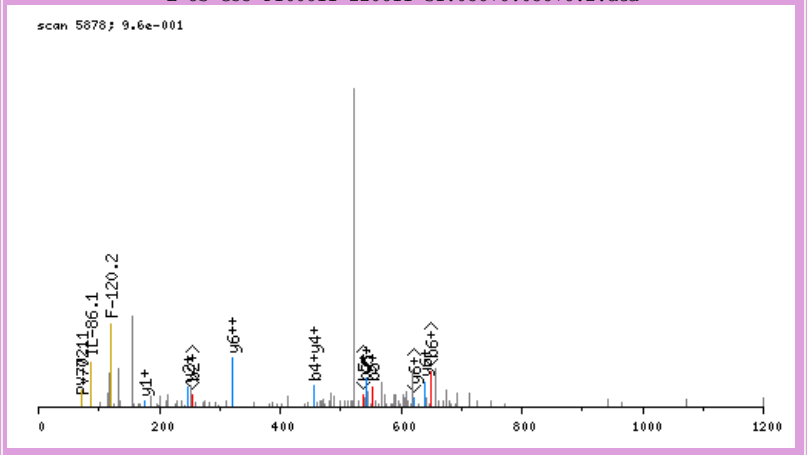
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	26		
279.1404	2	E	25	2983.6015	1492.3046
376.1932	3	P	24	2854.5589	1427.7834
504.2518	4	Q	23	2757.5061	1379.2570
591.2838	5	S	22	2629.4475	1315.2277
719.3424	6	Q	21	2542.4155	1271.7117
905.4217	7	W	20	2414.3569	1207.6824
1020.4486	8	D	19	2228.2776	1114.6427
1182.6067	9	K	18	2113.2507	**1057.1293**
1281.6752	10	V	17	1951.0926	976.0502
1443.8333	11	K	16	1852.0242	926.5160
1558.8602	12	D	15	1689.8661	845.4369
1705.9286	13	F	14	1574.8391	**787.9235**
1776.9657	14	A	13	1427.7707	**714.3893**
1891.0087	15	N	12	1356.7336	678.8707
1990.0771	16	V	11	1242.6907	621.8492
2153.1404	17	Y	10	**1143.6222**	572.3150
2252.2088	18	V	9	**980.5589**	490.7834
2367.2358	19	D	8	881.4905	**441.2492**
2438.2729	20	A	7	**766.4636**	**383.7357**
2537.3413	21	V	6	695.4264	348.2171
2699.4994	22	K	5	**596.3580**	298.6829
2814.5263	23	D	4	**434.1999**	217.6039
2901.5584	24	S	3	**319.1730**	160.0904
2958.5798	25	G	2	232.1410	116.5744
	26	R	1	175.1195	88.0637

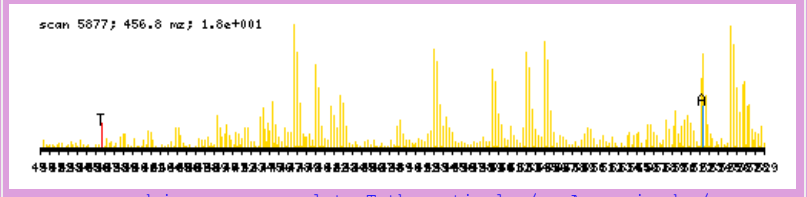
N-term:+35.07 K(9):+162.16
K(11):+162.16 K(22):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DEPSPLAK, MH+ 912.5042, m/z 456.7558
L OS G33 P160811 220811-s1.05878.05878.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



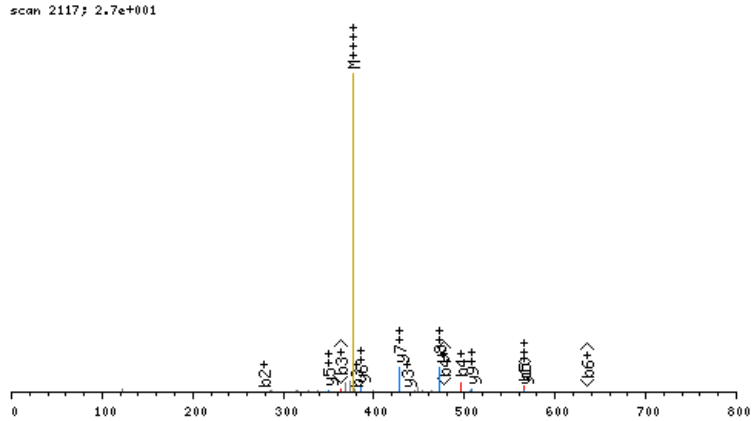
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	8		
273.1086	2	E	7	769.4460	385.2269
370.1614	3	P	6	640.4034	320.7056
457.1934	4	S	5	543.3507	272.1792
554.2462	5	P	4	456.3186	228.6632
667.3303	6	L	3	359.2659	180.1368
738.3674	7	A	2	246.1818	123.5948
	8	K	1	175.1447	88.0763

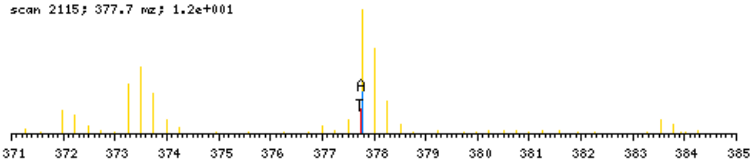
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DETDASSAVKVKR, MH+ 1507.9180, m/z 377.7350
H OS G34 P160811 220811-s1.02117.02117.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



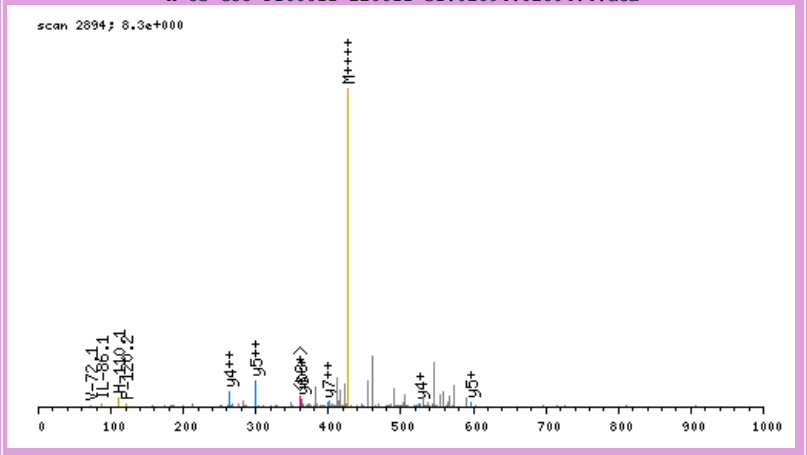
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
279.1404	2	E	12	1358.8280	679.9179
380.1881	3	T	11	1229.7854	615.3966
495.2151	4	D	10	1128.7378	**564.8728**
566.2522	5	A	9	1013.7108	**507.3593**
653.2842	6	S	8	942.6737	**471.8408**
740.3162	7	S	7	855.6417	**428.3247**
811.3533	8	A	6	768.6096	**384.8087**
910.4218	9	V	5	697.5725	**349.2902**
1072.5799	10	K	4	598.5041	299.7560
1171.6483	11	V	3	**436.3460**	218.6769
1333.8064	12	K	2	337.2776	169.1427
	13	R	1	175.1195	88.0637

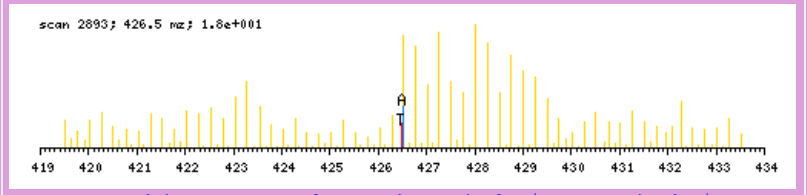
N-term:+35.07 K(10):+162.16
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

DEVAPFLTAQATHLR, MH+ 1702.9340, m/z 426.4890
H OS G35 P160811 220811-s1.02894.02894.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



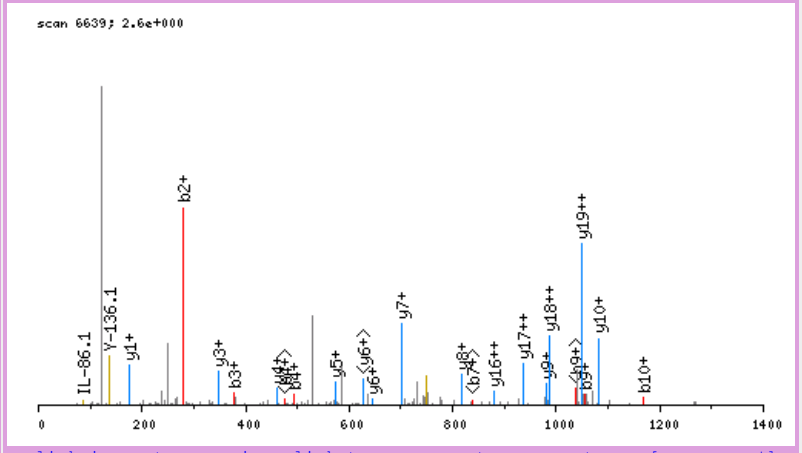
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
279.1404	2	E	14	1553.8440	777.4259
378.2089	3	V	13	1424.8014	712.9046
449.2460	4	A	12	1325.7330	663.3704
546.2987	5	P	11	1254.6959	627.8519
693.3671	6	F	10	1157.6431	579.3255
806.4512	7	L	9	1010.5747	505.7913
907.4989	8	T	8	897.4906	449.2492
978.5360	9	A	7	796.4430	**398.7254**
1106.5946	10	Q	6	725.4058	**363.2068**
1177.6317	11	A	5	**597.3473**	**299.1775**
1278.6794	12	T	4	**526.3102**	**263.6590**
1415.7383	13	H	3	425.2625	213.1352
1528.8223	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

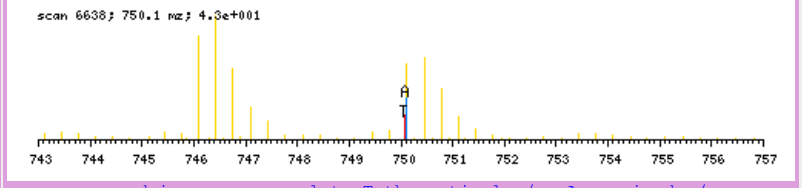
N-term:+35.07

DEVDSLKEALTYDGALLGDR, MH+ 2248.1985, m/z 750.0710
H OS G32 P160811 220811-s1.06639.06639.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



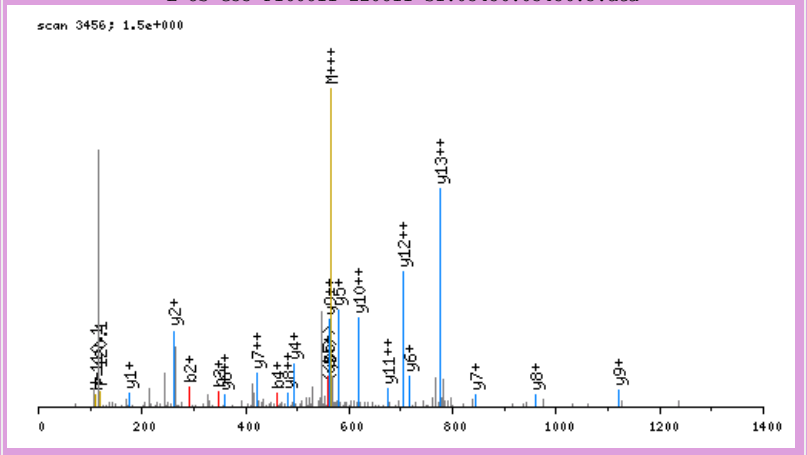
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	20		
279.1404	2	E	19	2099.1085	**1050.0582**
378.2089	3	V	18	1970.0659	**985.5369**
493.2358	4	D	17	1870.9975	**936.0026**
580.2678	5	S	16	1755.9705	**878.4892**
693.3519	6	L	15	1668.9385	834.9732
855.5100	7	K	14	1555.8544	778.4311
984.5526	8	E	13	1393.6963	697.3521
1055.5897	9	A	12	1264.6537	632.8308
1168.6738	10	L	11	1193.6166	597.3122
1269.7214	11	T	10	**1080.5326**	540.7702
1432.7848	12	Y	9	**979.4849**	490.2464
1547.8117	13	D	8	**816.4216**	408.7147
1604.8332	14	G	7	**701.3946**	351.2012
1675.8703	15	A	6	**644.3731**	322.6905
1788.9543	16	L	5	**573.3360**	287.1719
1902.0384	17	L	4	**460.2520**	230.6299
1959.0599	18	G	3	**347.1679**	174.0879
2074.0868	19	D	2	290.1464	145.5771
	20	R	1	**175.1195**	88.0637

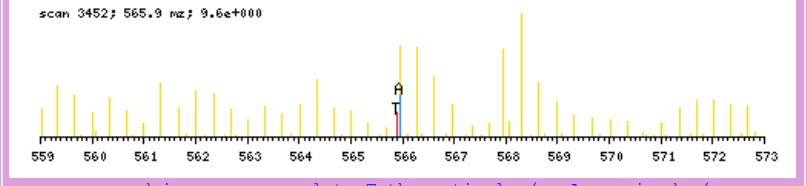
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DFGLDCDEHSTESR, MH+ 1695.6920, m/z 565.9022
L OS G33 P160811 220811-s1.03456.03456.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



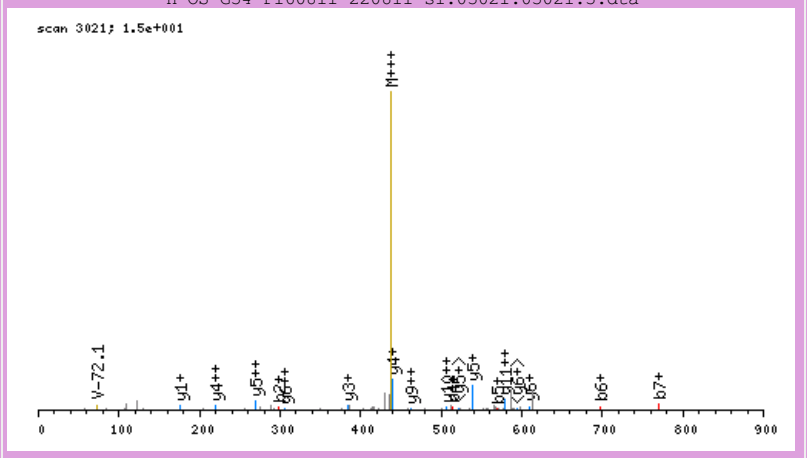
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
291.1345	2	F	13	1552.6338	**776.8208**
348.1559	3	G	12	1405.5653	**703.2866**
461.2400	4	L	11	1348.5439	**674.7759**
576.2669	5	D	10	1235.4598	**618.2338**
736.2975	6	C	9	**1120.4329**	**560.7204**
851.3245	7	D	8	**960.4023**	**480.7051**
980.3671	8	E	7	**845.3753**	**423.1916**
1117.4260	9	H	6	**716.3327**	**358.6703**
1204.4580	10	S	5	**579.2738**	290.1408
1305.5057	11	T	4	**492.2418**	246.6248
1434.5483	12	E	3	391.1941	196.1010
1521.5803	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

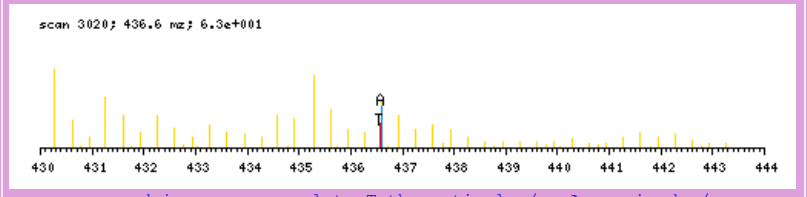
N-term:+29.04 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DFSEGQAVGAHR, MH+ 1307.6556, m/z 436.5567
H_OS_G34_P160811_220811-s1.03021.03021.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



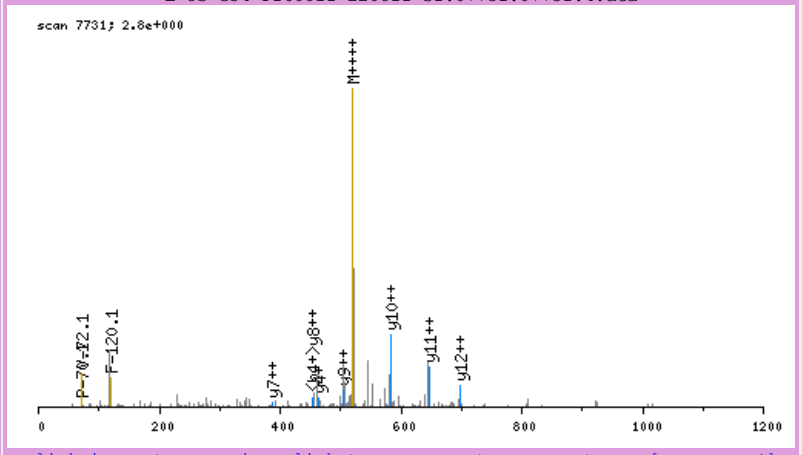
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	12		
297.1663	2	F	11	1158.5656	**579.7867**
384.1983	3	S	10	1011.4972	**506.2525**
513.2409	4	E	9	924.4652	**462.7365**
570.2623	5	G	8	795.4226	398.2152
698.3209	6	Q	7	738.4011	369.7045
769.3580	7	A	6	**610.3425**	**305.6752**
868.4264	8	V	5	**539.3054**	**270.1566**
925.4479	9	G	4	**440.2370**	**220.6224**
996.4850	10	A	3	**383.2155**	192.1117
1133.5439	11	H	2	312.1784	156.5931
	12	R	1	**175.1195**	88.0637

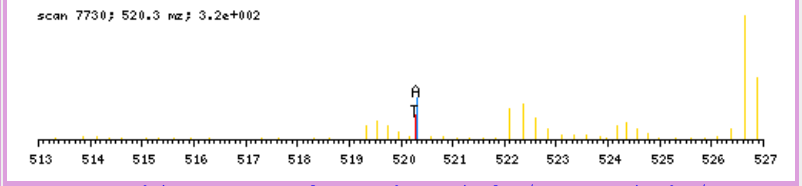
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DGDKLVVECVMKGVTSTR, MH+ 2078.0990, m/z 520.2802
L OS G34 P160811 220811-s1.07731.07731.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



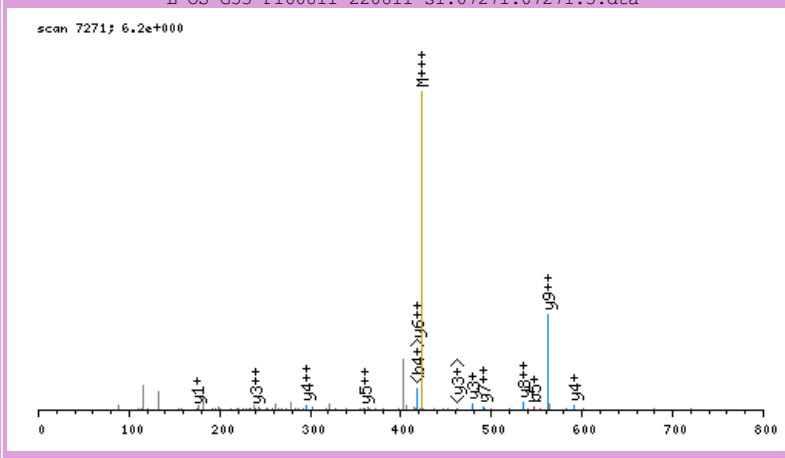
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
201.0875	2	G	17	1935.0408	968.0243
316.1144	3	D	16	1878.0193	939.5136
472.2407	4	K	15	1762.9923	882.0001
585.3248	5	L	14	1606.8660	803.9369
684.3932	6	V	13	1493.7820	747.3949
783.4616	7	V	12	1394.7136	**697.8607**
912.5042	8	E	11	1295.6452	**648.3265**
1072.5348	9	C	10	1166.6026	**583.8052**
1171.6032	10	V	9	1006.5720	**503.7899**
1302.6437	11	M	8	907.5035	**454.2557**
1458.7700	12	K	7	776.4631	**388.7354**
1515.7915	13	G	6	620.3368	310.6723
1614.8599	14	V	5	563.3153	282.1616
1715.9076	15	T	4	**464.2469**	232.6274
1802.9396	16	S	3	363.1992	182.1035
1903.9873	17	T	2	276.1672	138.5875
	18	R	1	175.1195	88.0637

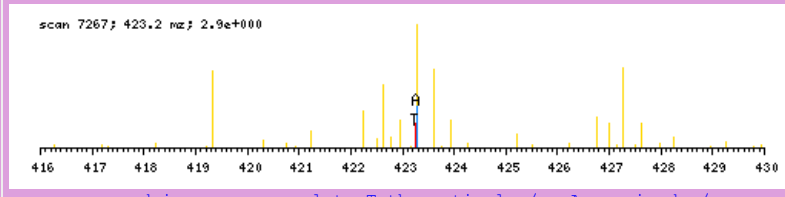
N-term:+29.04 K(4):+156.13
C(9):+160.03 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DGSFLELFKR, MH+ 1267.7051, m/z 423.2399
L OS G33 P160811 220811-s1.07271.07271.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



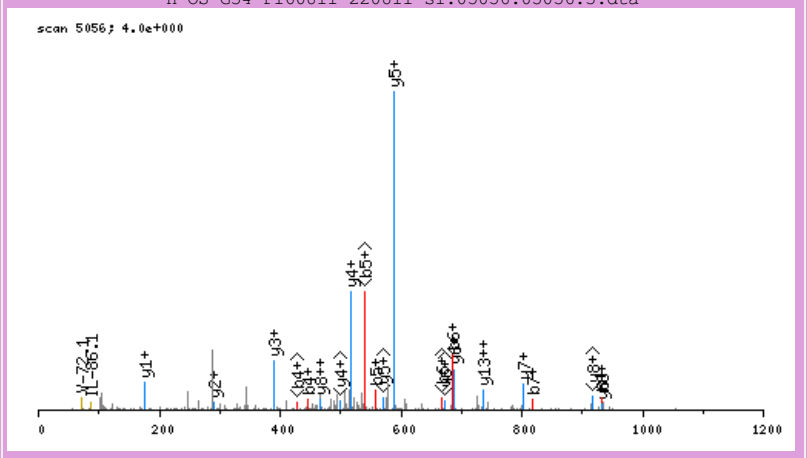
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	10		
201.0875	2	G	9	1124.6468	562.8273
288.1195	3	S	8	1067.6254	534.3166
435.1879	4	F	7	980.5933	490.8006
548.2720	5	L	6	833.5249	417.2664
677.3146	6	E	5	720.4409	360.7243
790.3987	7	L	4	591.3983	296.2031
937.4671	8	F	3	478.3142	239.6610
1093.5934	9	K	2	331.2458	166.1268
	10	R	1	175.1195	88.0637

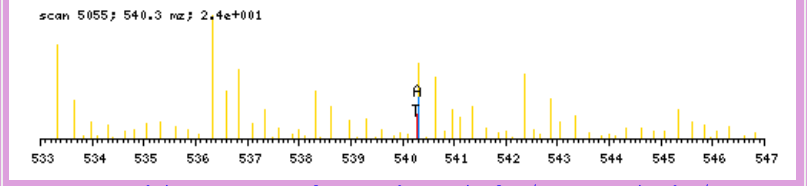
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DHASIQMNVAEVDR, MH+ 1618.8071, m/z 540.2739
H OS G34 P160811 220811-s1.05056.05056.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



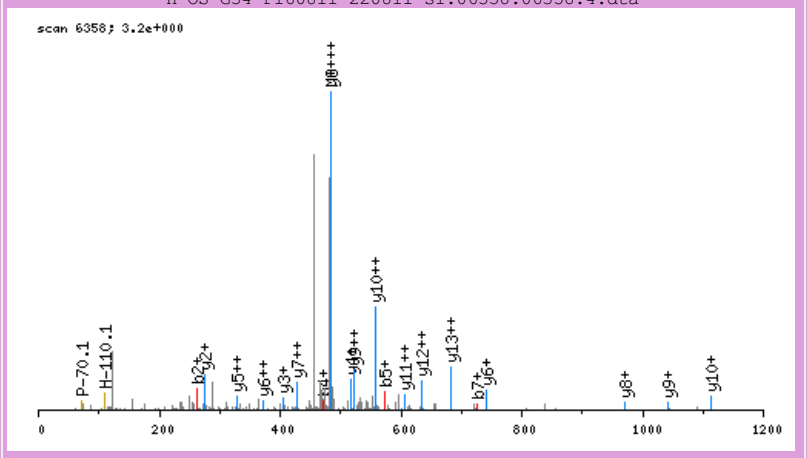
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
287.1568	2	H	13	1469.7171	**735.3625**
358.1939	3	A	12	1332.6582	666.8330
445.2259	4	S	11	1261.6211	631.3144
558.3100	5	I	10	1174.5890	587.7984
686.3685	6	Q	9	1061.5050	531.2564
817.4090	7	M	8	**933.4464**	**467.2271**
931.4520	8	N	7	**802.4059**	401.7069
1030.5204	9	V	6	**688.3630**	344.6854
1101.5575	10	A	5	**589.2946**	295.1512
1230.6001	11	E	4	**518.2575**	259.6326
1329.6685	12	V	3	**389.2149**	195.1113
1444.6954	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

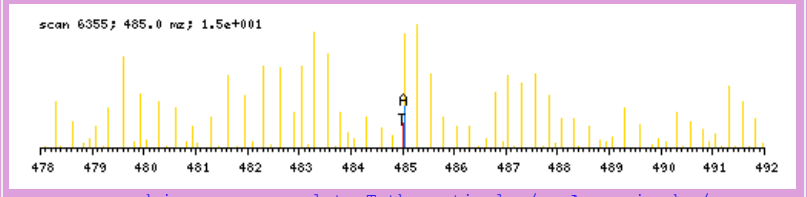
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DIAHTPGVAADLSHIETR, MH+ 1937.0304, m/z 485.0131
H OS G34 P160811 220811-s1.06358.06358.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



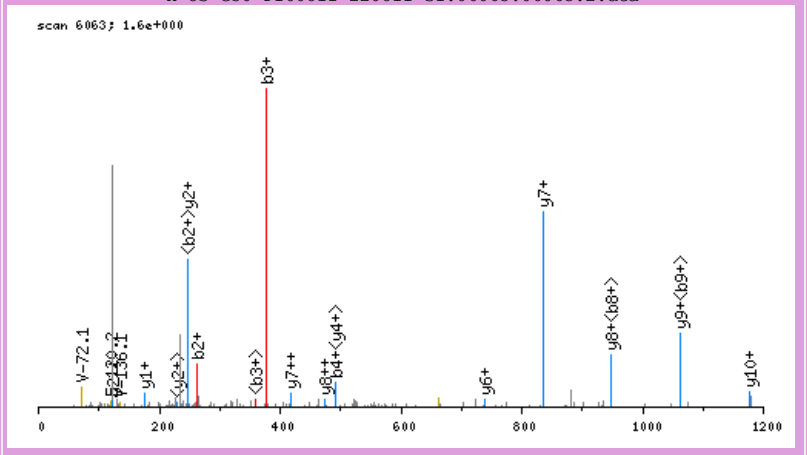
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	18		
263.1819	2	I	17	1787.9404	894.4741
334.2190	3	A	16	1674.8564	837.9321
471.2779	4	H	15	1603.8192	802.4135
572.3256	5	T	14	1466.7603	733.8841
669.3784	6	P	13	1365.7127	**683.3602**
726.3998	7	G	12	1268.6599	**634.8339**
825.4683	8	V	11	1211.6384	**606.3231**
896.5054	9	A	10	**1112.5700**	**556.7889**
967.5425	10	A	9	**1041.5329**	**521.2704**
1082.5694	11	D	8	**970.4958**	**485.7518**
1195.6535	12	L	7	855.4688	**428.2383**
1282.6855	13	S	6	**742.3848**	**371.6963**
1419.7444	14	H	5	655.3527	**328.1803**
1532.8285	15	I	4	**518.2938**	259.6508
1661.8711	16	E	3	**405.2098**	203.1088
1762.9188	17	T	2	**276.1672**	138.5875
	18	R	1	175.1195	88.0637

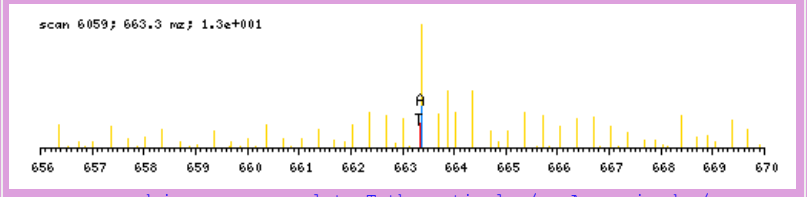
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DIDLPETFDAR, MH+ 1325.6801, m/z 663.3437
H OS G30 P160811 220811-s1.06063.06063.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



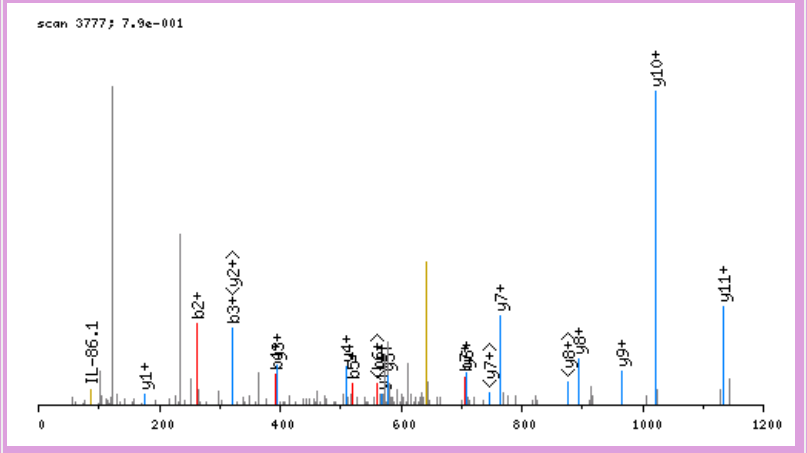
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
263.1819	2	I	10	**1176.5901**	588.7990
378.2089	3	D	9	**1063.5060**	532.2569
491.2929	4	L	8	**948.4791**	**474.7434**
588.3457	5	P	7	**835.3950**	**418.2014**
717.3883	6	E	6	**738.3422**	369.6750
818.4359	7	T	5	609.2997	305.1537
965.5044	8	F	4	508.2520	254.6299
1080.5313	9	D	3	361.1836	181.0957
1151.5684	10	A	2	**246.1566**	**123.5822**
	11	R	1	**175.1195**	88.0637

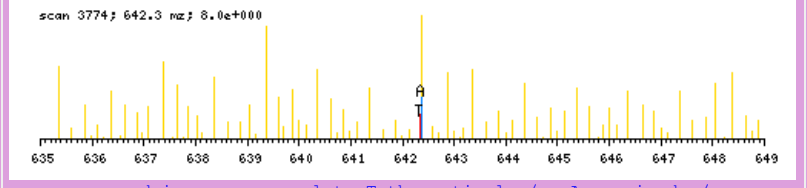
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DIGAQGEALGYR, MH+ 1283.6808, m/z 642.3440
H OS G30 P160811 220811-s1.03777.03777.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



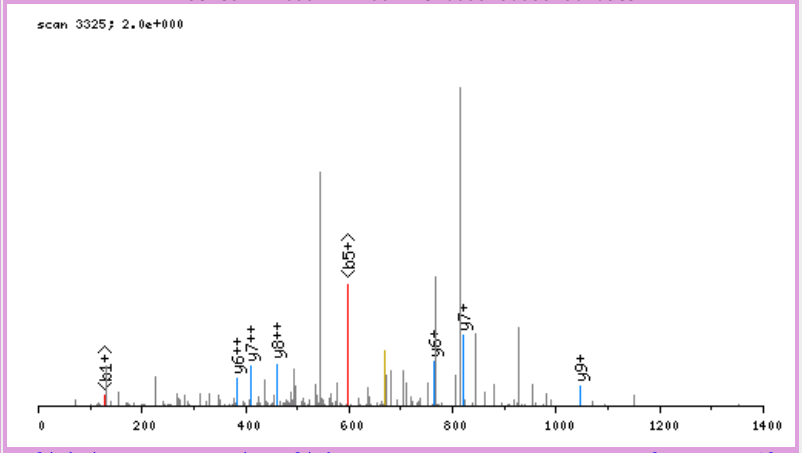
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	12		
263.1819	2	I	11	1134.5907	567.7993
320.2034	3	G	10	1021.5067	511.2573
391.2405	4	A	9	964.4852	482.7465
519.2991	5	Q	8	893.4481	447.2280
576.3205	6	G	7	765.3895	383.1987
705.3631	7	E	6	708.3681	354.6879
776.4002	8	A	5	579.3255	290.1666
889.4843	9	L	4	508.2884	254.6481
946.5058	10	G	3	395.2043	198.1061
1109.5691	11	Y	2	338.1828	169.5953
	12	R	1	175.1195	88.0637

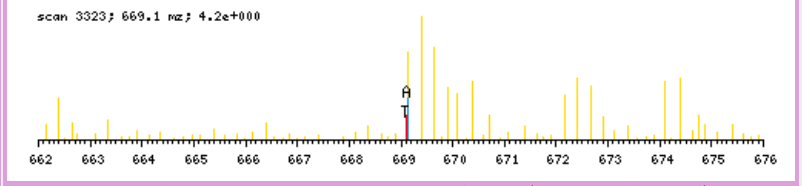
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DIISKWEQASKEQQPGKCEGSR, MH+ 2673.3671, m/z 669.0972
L OS G32 P160811 220811-s1.03325.03325.4.dta



click image to zoom in; click top corners to zoom out [precursor]

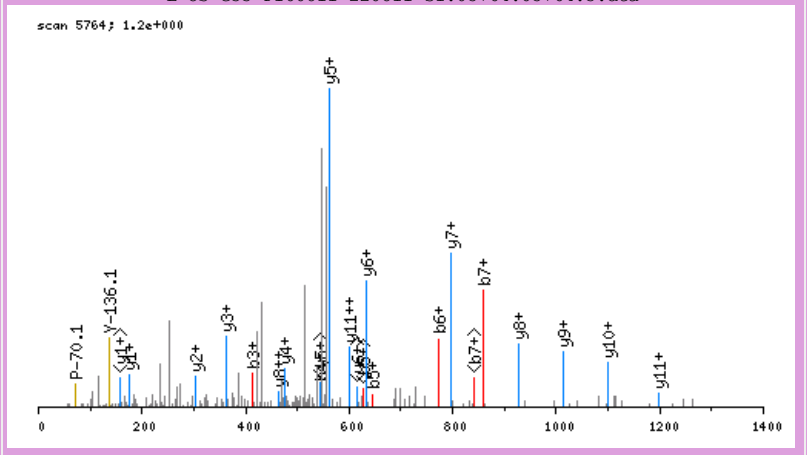


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

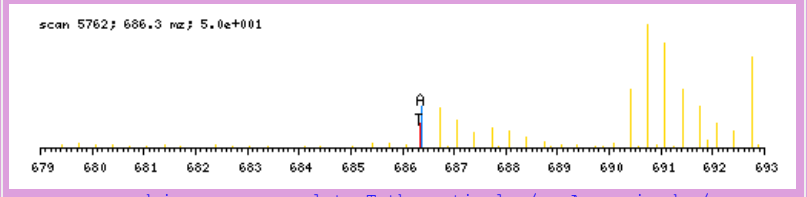
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	22		
257.1501	2	I	21	2530.3088	1265.6583
370.2342	3	I	20	2417.2248	1209.1163
457.2662	4	S	19	2304.1407	1152.5743
613.3925	5	K	18	2217.1087	1109.0583
799.4718	6	W	17	2060.9824	1030.9951
928.5144	7	E	16	1874.9031	937.9554
1056.5730	8	Q	15	1745.8605	873.4342
1127.6101	9	A	14	1617.8019	809.4049
1214.6421	10	S	13	1546.7648	773.8863
1370.7684	11	K	12	1459.7328	730.3703
1499.8110	12	E	11	1303.6065	652.3071
1627.8696	13	Q	10	1174.5639	587.7858
1755.9282	14	Q	9	**1046.5053**	523.7566
1852.9809	15	P	8	918.4467	**459.7273**
1910.0024	16	G	7	**821.3939**	**411.2009**
2066.1287	17	K	6	**764.3725**	**382.6902**
2226.1593	18	C	5	608.2462	304.6270
2355.2019	19	E	4	448.2156	224.6117
2412.2234	20	G	3	319.1730	160.0904
2499.2554	21	S	2	262.1515	131.5797
	22	R	1	175.1195	88.0637

N-term:+29.04 K(5):+156.13
K(11):+156.13 K(17):+156.13
C(18):+160.03

DIKMTQSPSSMYASLGER, MH+ 2057.0047, m/z 686.3398
L OS G33 P160811 220811-s1.05764.05764.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

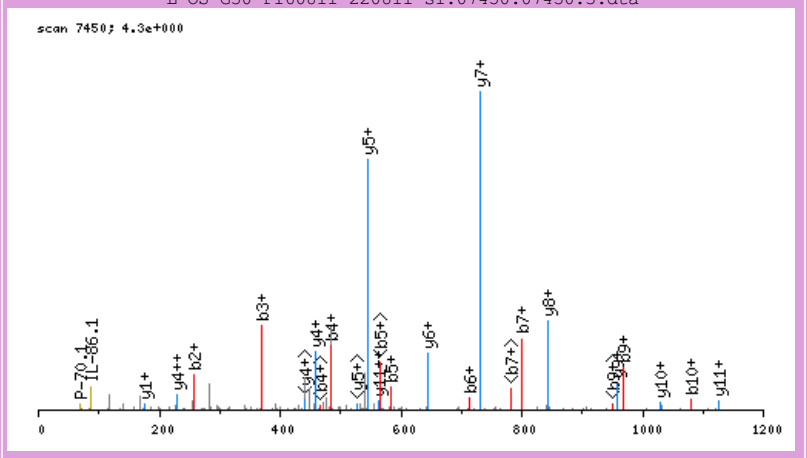
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	I	17	1913.9465	957.4772
413.2764	3	K	16	1800.8625	900.9351
544.3169	4	M	15	1644.7362	822.8720
645.3646	5	T	14	1513.6957	757.3518
773.4231	6	Q	13	1412.6480	706.8279
860.4552	7	S	12	1284.5894	642.7986
957.5079	8	P	11	**1197.5574**	**599.2826**
1044.5400	9	S	10	**1100.5046**	550.7562
1131.5720	10	S	9	**1013.4726**	507.2402
1262.6125	11	M	8	**926.4406**	**463.7242**
1425.6758	12	Y	7	**795.4001**	398.2040
1496.7129	13	A	6	**632.3368**	316.6723
1583.7450	14	S	5	**561.2997**	281.1537
1696.8290	15	L	4	**474.2676**	237.6377
1753.8505	16	G	3	**361.1836**	181.0957
1882.8931	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

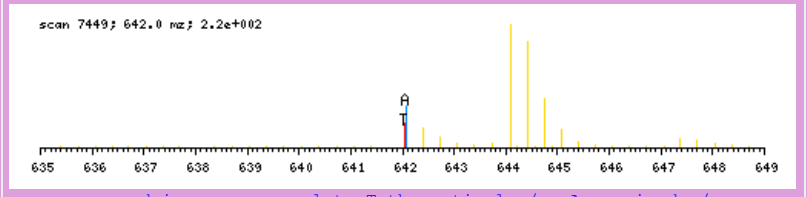
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DILLTQSPAILSVSPGER, MH+ 1924.0755, m/z 642.0300
L OS G30 P160811 220811-s1.07450.07450.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



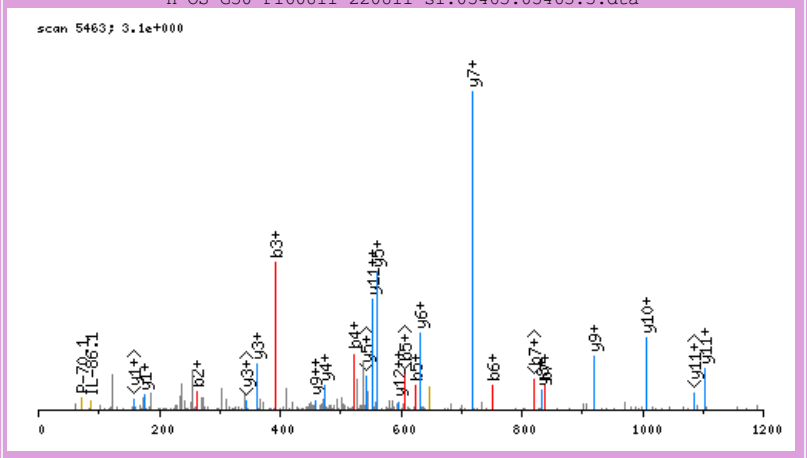
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	I	17	1781.0173	891.0125
370.2342	3	L	16	1667.9332	834.4705
483.3182	4	L	15	1554.8491	777.9285
584.3659	5	T	14	1441.7651	721.3865
712.4245	6	Q	13	1340.7174	670.8626
799.4565	7	S	12	1212.6588	606.8333
896.5093	8	P	11	1125.6268	563.3173
967.5464	9	A	10	1028.5740	514.7909
1080.6305	10	I	9	957.5369	479.2724
1193.7145	11	L	8	844.4529	422.7303
1280.7466	12	S	7	731.3688	366.1883
1379.8150	13	V	6	644.3368	322.6723
1466.8470	14	S	5	545.2683	273.1381
1563.8998	15	P	4	458.2363	229.6221
1620.9212	16	G	3	361.1836	181.0957
1749.9638	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

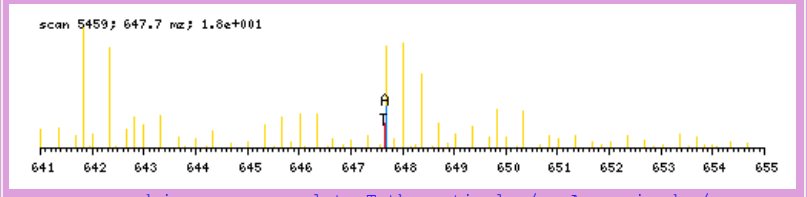
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DIQMTQSPSSLSASLGER, MH+ 1940.9811, m/z 647.6652
H OS G30 P160811 220811-s1.05463.05463.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



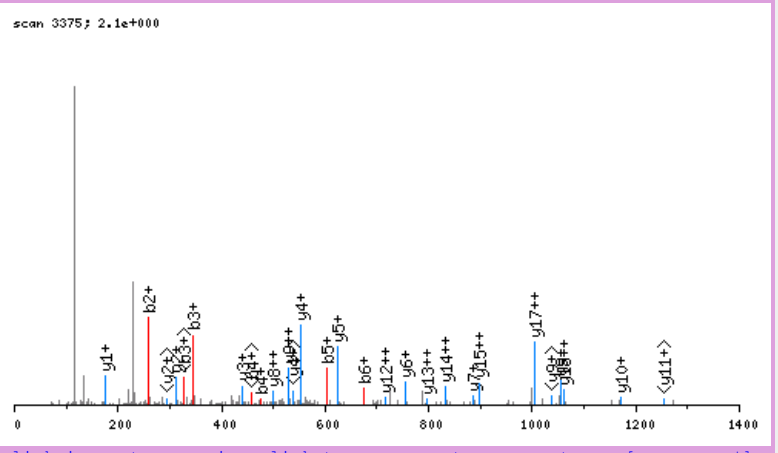
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	18		
263.1819	2	I	17	1791.8911	896.4495
391.2405	3	Q	16	1678.8070	839.9074
522.2810	4	M	15	1550.7484	775.8781
623.3286	5	T	14	1419.7080	710.3579
751.3872	6	Q	13	1318.6603	659.8341
838.4193	7	S	12	1190.6017	595.8048
935.4720	8	P	11	1103.5697	552.2888
1022.5040	9	S	10	1006.5169	503.7624
1109.5361	10	S	9	919.4849	460.2464
1222.6201	11	L	8	832.4529	416.7303
1309.6522	12	S	7	719.3688	360.1883
1380.6893	13	A	6	632.3368	316.6723
1467.7213	14	S	5	561.2997	281.1537
1580.8054	15	L	4	474.2676	237.6377
1637.8268	16	G	3	361.1836	181.0957
1766.8694	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

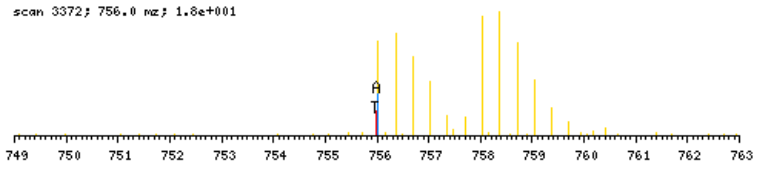
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DISMEACCTDGNQMANQHR, MH+ 2265.9108, m/z 755.9751
L OS G33 P160811 220811-s1.03375.03375.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



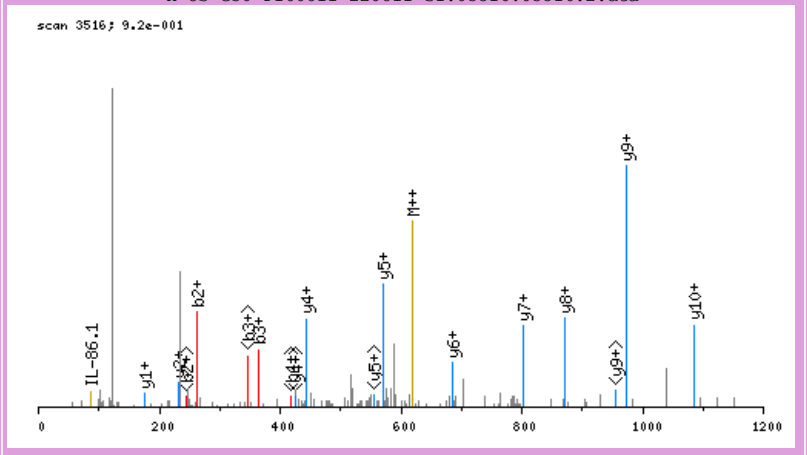
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
257.1501	2	I	18	2122.8526	**1061.9302**
344.1821	3	S	17	2009.7685	**1005.3882**
475.2226	4	M	16	1922.7365	961.8722
604.2652	5	E	15	1791.6960	**896.3519**
675.3023	6	A	14	1662.6534	**831.8306**
835.3329	7	C	13	1591.6163	**796.3121**
995.3635	8	C	12	1431.5857	**716.2968**
1096.4112	9	T	11	1271.5551	636.2815
1211.4381	10	D	10	**1170.5074**	585.7576
1268.4596	11	G	9	**1055.4805**	**528.2442**
1382.5025	12	N	8	998.4590	**499.7334**
1510.5611	13	Q	7	**884.4161**	442.7120
1641.6016	14	M	6	**756.3575**	378.6827
1712.6387	15	A	5	**625.3170**	313.1624
1826.6816	16	N	4	**554.2799**	277.6439
1954.7402	17	Q	3	**440.2370**	220.6224
2091.7991	18	H	2	**312.1784**	156.5931
	19	R	1	**175.1195**	88.0637

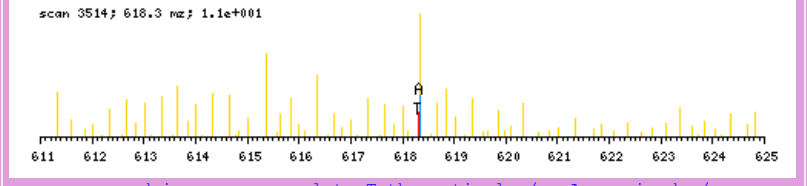
N-term:+29.04 C(7):+160.03
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DITADDEPLGR, MH+ 1235.6331, m/z 618.3202
H OS G30 P160811 220811-s1.03516.03516.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



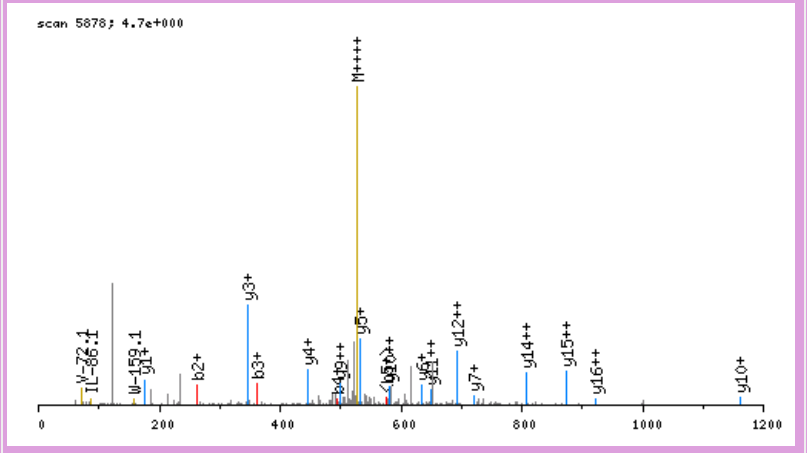
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
263.1819	2	I	10	**1086.5431**	543.7755
364.2296	3	T	9	**973.4591**	487.2334
435.2667	4	A	8	**872.4114**	436.7096
550.2936	5	D	7	**801.3743**	401.1910
665.3206	6	D	6	**686.3473**	343.6776
794.3632	7	E	5	**571.3204**	286.1641
891.4159	8	P	4	**442.2778**	221.6428
1004.5000	9	L	3	345.2250	173.1164
1061.5215	10	G	2	**232.1410**	116.5744
	11	R	1	**175.1195**	88.0637

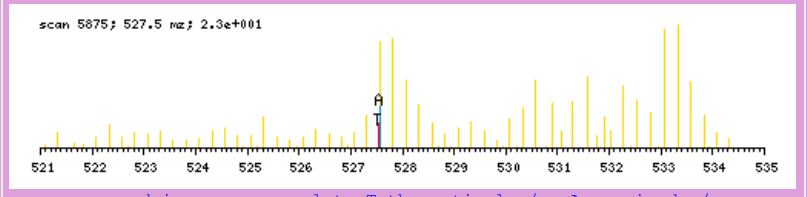
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DIVMTQSHKFMSTSVGDR, MH+ 2107.0952, m/z 527.5293
H OS G34 P160811 220811-s1.05878.05878.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



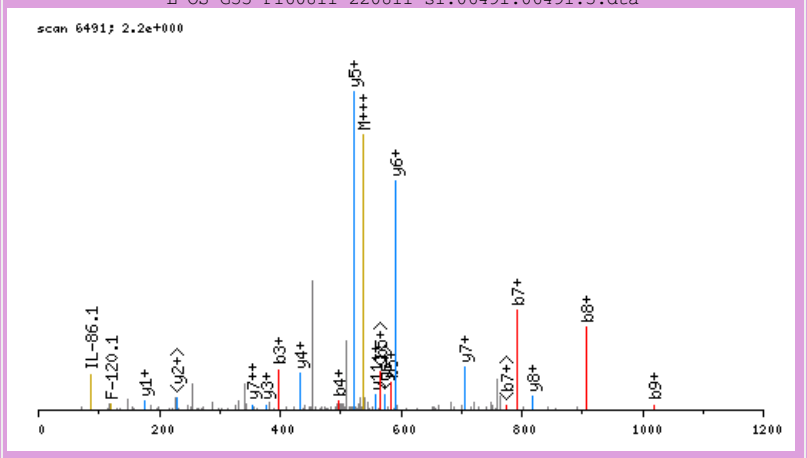
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	18		
263.1819	2	I	17	1958.0052	979.5065
362.2503	3	V	16	1844.9212	**922.9645**
493.2908	4	M	15	1745.8527	**873.4303**
594.3385	5	T	14	1614.8123	**807.9100**
722.3971	6	Q	13	1513.7646	757.3862
809.4291	7	S	12	1385.7060	**693.3569**
946.4880	8	H	11	1298.6740	**649.8409**
1108.6461	9	K	10	**1161.6151**	**581.3114**
1255.7145	10	F	9	999.4570	**500.2324**
1386.7550	11	M	8	852.3885	426.6982
1473.7870	12	S	7	**721.3481**	361.1779
1574.8347	13	T	6	**634.3160**	317.6619
1661.8667	14	S	5	**533.2683**	267.1381
1760.9351	15	V	4	**446.2363**	223.6221
1817.9566	16	G	3	**347.1679**	174.0879
1932.9836	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

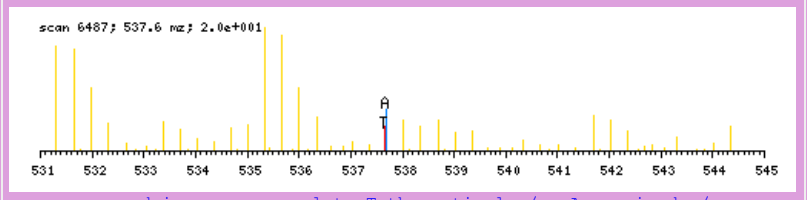
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DKPVSPLLLASGMAR, MH+ 1610.9304, m/z 537.6483
L OS G33 P160811 220811-s1.06491.06491.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



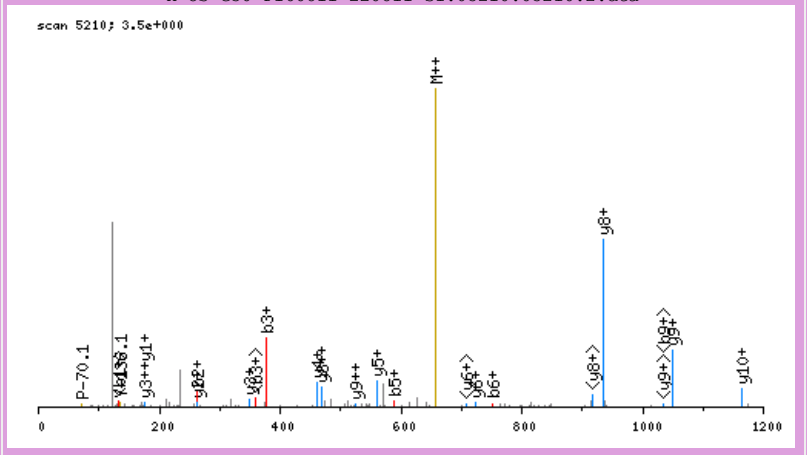
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
300.1923	2	K	14	1467.8722	734.4400
397.2451	3	P	13	1311.7459	656.3768
496.3135	4	V	12	1214.6931	607.8505
583.3455	5	S	11	1115.6247	**558.3163**
680.3983	6	P	10	1028.5927	514.8002
793.4824	7	L	9	931.5399	466.2739
906.5664	8	L	8	**818.4558**	409.7318
1019.6505	9	L	7	**705.3718**	**353.1898**
1090.6876	10	A	6	**592.2877**	296.6478
1177.7196	11	S	5	**521.2506**	261.1292
1234.7411	12	G	4	**434.2186**	217.6132
1365.7816	13	M	3	**377.1971**	189.1025
1436.8187	14	A	2	246.1566	123.5822
	15	R	1	**175.1195**	88.0637

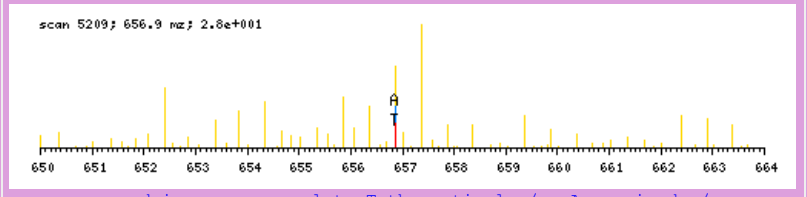
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLDPNYVLSSR, MH+ 1312.6961, m/z 656.8517
H OS G30 P160811 220811-s1.05210.05210.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



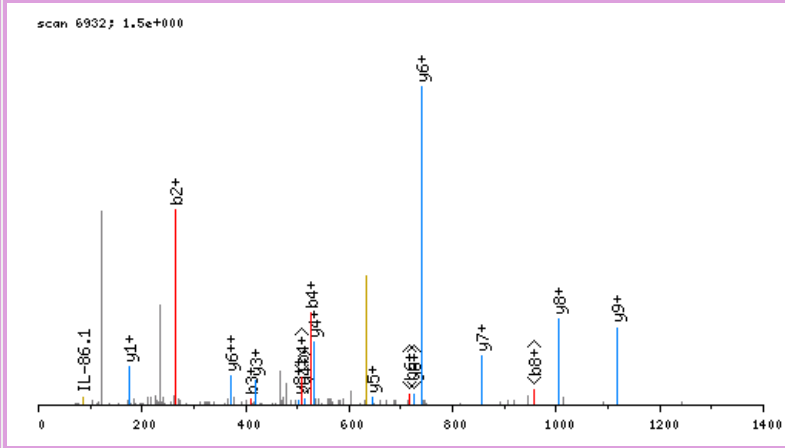
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
263.1819	2	L	10	**1163.6061**	582.3069
378.2089	3	D	9	**1050.5220**	**525.7649**
475.2616	4	P	8	**935.4951**	**468.2514**
589.3045	5	N	7	838.4423	419.7251
752.3679	6	Y	6	**724.3994**	362.7036
851.4363	7	V	5	**561.3360**	281.1719
964.5203	8	L	4	**462.2676**	231.6377
1051.5524	9	S	3	**349.1836**	**175.0957**
1138.5844	10	S	2	**262.1515**	131.5797
	11	R	1	**175.1195**	88.0637

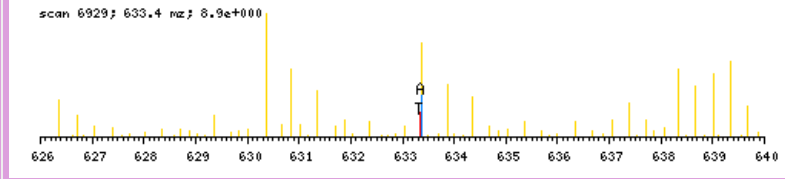
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLFDPIIQDR, MH+ 1265.6954, m/z 633.3513
H OS G30 P160811 220811-s1.06932.06932.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



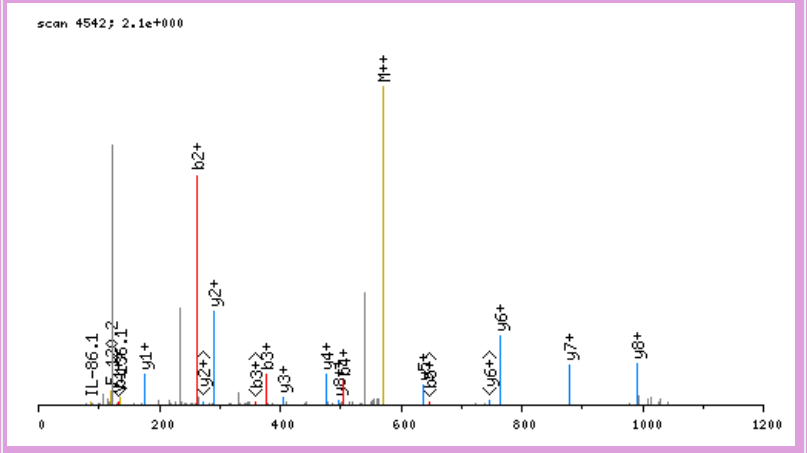
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
263.1819	2	L	9	1116.6053	558.8066
410.2503	3	F	8	1003.5213	502.2645
525.2773	4	D	7	856.4529	428.7303
622.3300	5	P	6	741.4259	371.2169
735.4141	6	I	5	644.3731	322.6905
848.4982	7	I	4	531.2891	266.1485
976.5567	8	Q	3	418.2050	209.6064
1091.5837	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

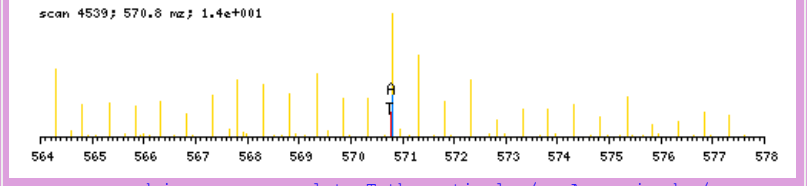
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLLECADDR, MH+ 1140.5418, m/z 570.7746
H OS G31 P160811 220811-s1.04542.04542.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



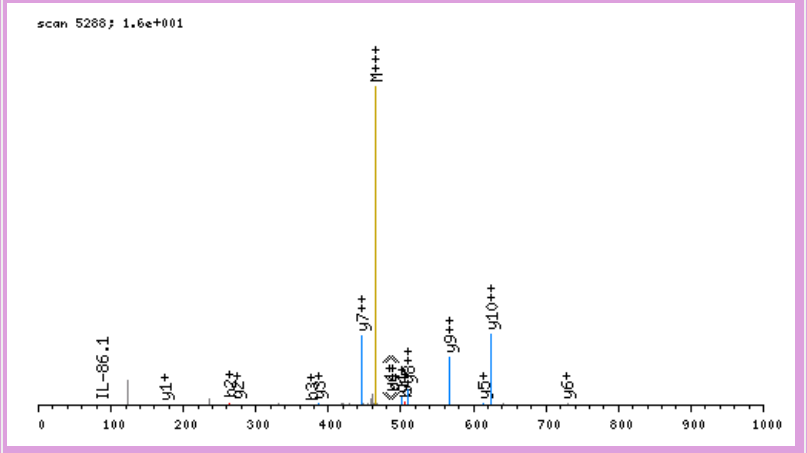
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	9		
263.1819	2	L	8	991.4518	496.2298
376.2660	3	L	7	878.3678	439.6878
505.3086	4	E	6	765.2837	383.1458
665.3392	5	C	5	636.2411	318.6245
736.3763	6	A	4	476.2105	238.6092
851.4032	7	D	3	405.1734	203.0906
966.4302	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

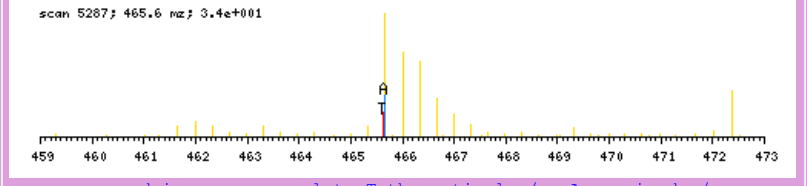
N-term:+35.07 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLLEKNINIVR, MH+ 1394.9007, m/z 465.6384
H OS G33 P160811 220811-s1.05288.05288.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



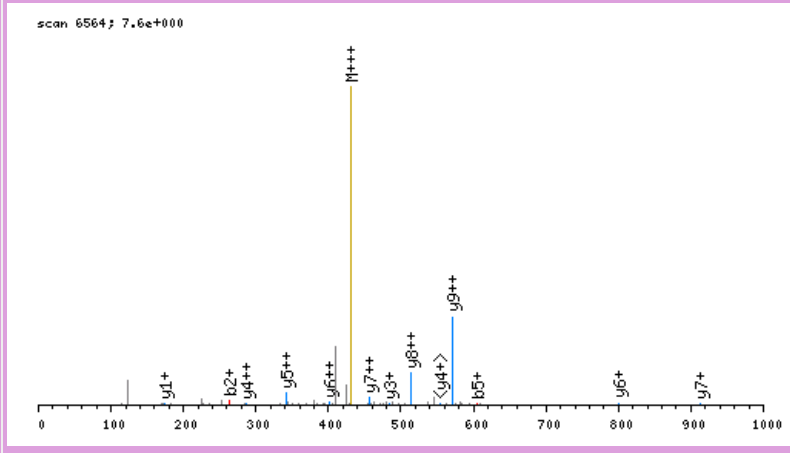
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
263.1819	2	L	10	1245.8107	623.4093
376.2660	3	L	9	1132.7267	566.8672
505.3086	4	E	8	1019.6426	510.3252
667.4667	5	K	7	890.6000	445.8039
781.5096	6	N	6	728.4419	364.7249
894.5937	7	I	5	614.3990	307.7034
1008.6366	8	N	4	501.3149	251.1614
1121.7206	9	I	3	387.2720	194.1399
1220.7891	10	V	2	274.1879	137.5979
	11	R	1	175.1195	88.0637

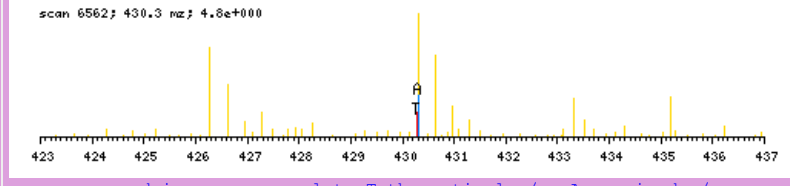
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLNLDLSKFR, MH+ 1288.7901, m/z 430.2682
H OS G33 P160811 220811-s1.06564.06564.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



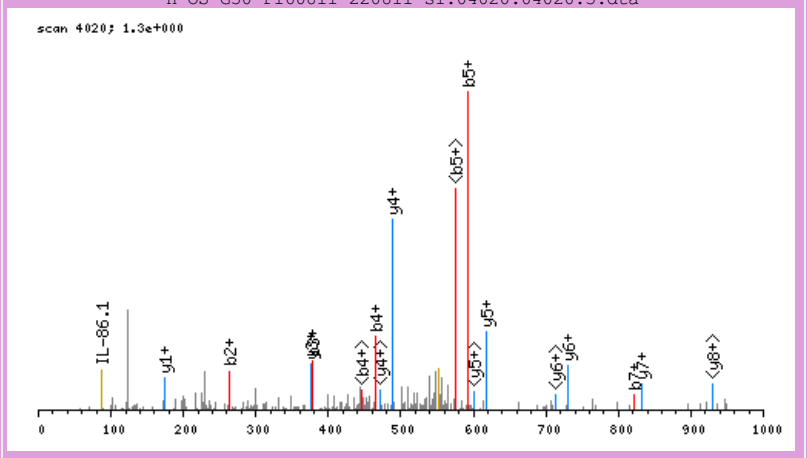
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
263.1819	2	L	9	1139.7001	570.3540
377.2248	3	N	8	1026.6160	513.8119
490.3089	4	L	7	912.5731	456.7905
605.3358	5	D	6	799.4891	400.2484
718.4199	6	L	5	684.4621	342.7350
805.4519	7	S	4	571.3780	286.1929
967.6100	8	K	3	484.3460	242.6769
1114.6784	9	F	2	322.1879	161.5979
	10	R	1	175.1195	88.0637

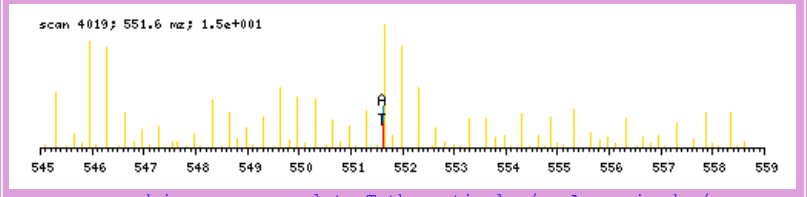
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLNSEIDTNQNSLR, MH+ 1652.8303, m/z 551.6150
H OS G30 P160811 220811-s1.04020.04020.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



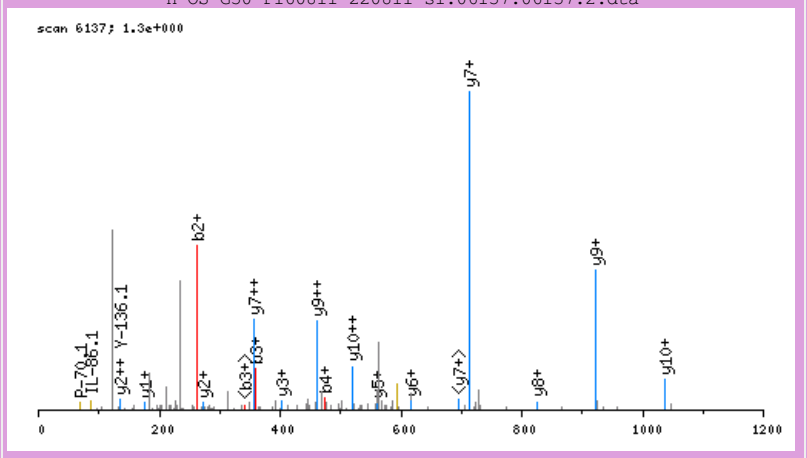
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
263.1819	2	L	13	1503.7403	752.3741
377.2248	3	N	12	1390.6563	695.8320
464.2569	4	S	11	1276.6133	638.8106
593.2995	5	E	10	1189.5813	595.2946
706.3835	6	I	9	1060.5387	530.7733
821.4105	7	D	8	947.4546	474.2312
922.4581	8	T	7	**832.4277**	416.7178
1036.5011	9	N	6	**731.3800**	366.1939
1164.5596	10	Q	5	**617.3371**	309.1725
1278.6026	11	N	4	**489.2785**	245.1432
1365.6346	12	S	3	**375.2356**	188.1217
1478.7187	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

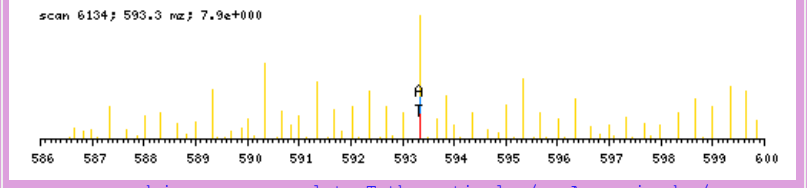
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLPLPGGVMPR, MH+ 1185.6878, m/z 593.3475
H OS G30 P160811 220811-s1.06137.06137.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

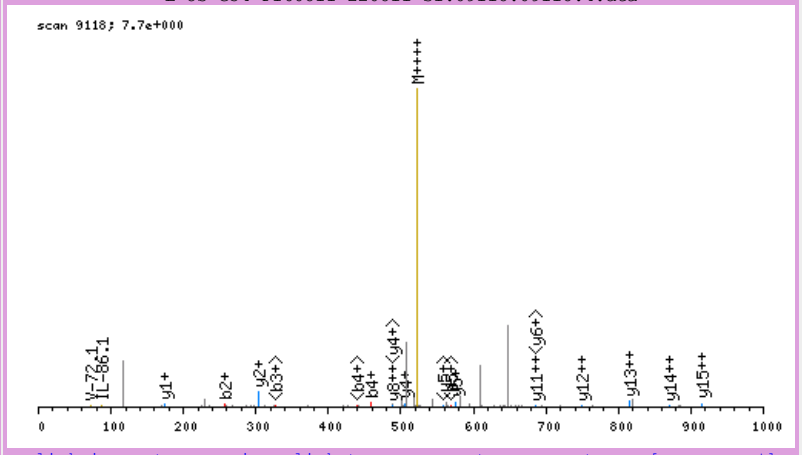


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

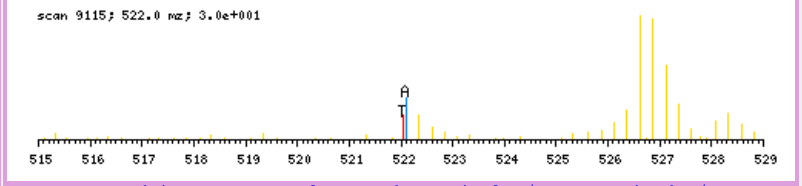
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
263.1819	2	L	10	1036.5977	518.8028
360.2347	3	P	9	923.5137	462.2608
473.3187	4	L	8	826.4609	413.7344
570.3715	5	P	7	713.3769	357.1923
627.3930	6	G	6	616.3241	308.6660
684.4144	7	G	5	559.3026	280.1552
783.4828	8	V	4	502.2812	251.6445
914.5233	9	M	3	403.2127	202.1103
1011.5761	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

N-term:+35.07

DLSLEEIQKKLEAAEER, MH+ 2085.1444, m/z 522.0416
L OS G34 P160811 220811-s1.09118.09118.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

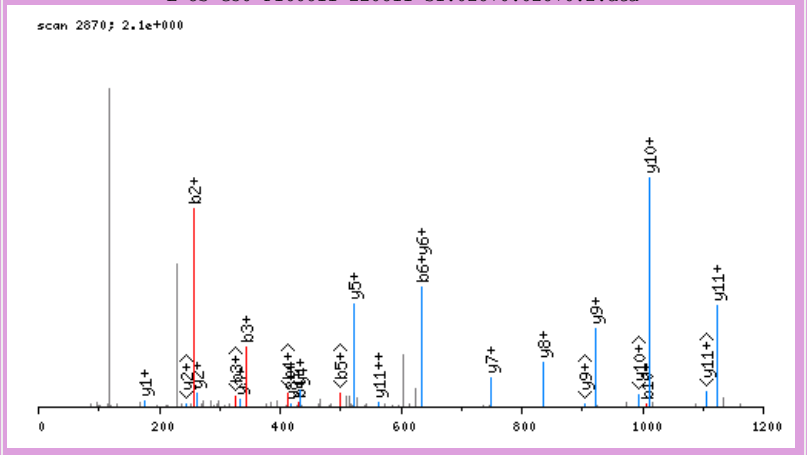
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	17		
257.1501	2	L	16	1942.0862	971.5470
344.1821	3	S	15	1829.0021	**915.0050**
457.2662	4	L	14	1741.9701	**871.4889**
586.3088	5	E	13	1628.8860	**814.9469**
715.3514	6	E	12	1499.8434	**750.4256**
828.4354	7	I	11	1370.8008	**685.9043**
956.4940	8	Q	10	1257.7167	629.3623
1112.6203	9	K	9	1129.6582	565.3330
1268.7466	10	K	8	973.5319	**487.2698**
1381.8307	11	L	7	817.4056	409.2067
1510.8733	12	E	6	704.3215	352.6647
1581.9104	13	A	5	**575.2789**	288.1434
1652.9475	14	A	4	**504.2418**	252.6248
1781.9901	15	E	3	433.2047	217.1063
1911.0327	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

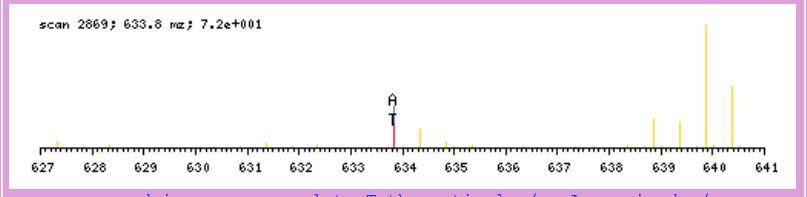
N-term:+29.04 K(9):+156.13
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DLSSSDLSTASK, MH+ 1266.6429, m/z 633.8251
L OS G30 P160811 220811-s1.02870.02870.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



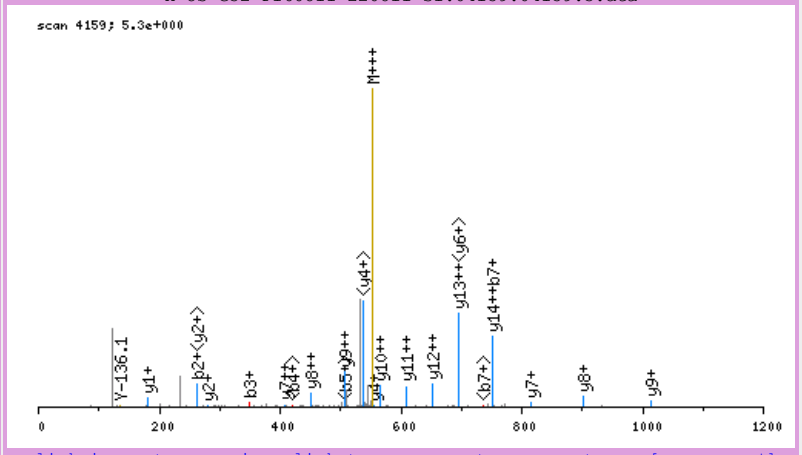
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
257.1501	2	L	11	1123.5847	562.2963
344.1821	3	S	10	1010.5006	505.7542
431.2142	4	S	9	923.4686	462.2382
518.2462	5	S	8	836.4366	418.7222
633.2731	6	D	7	749.4045	375.2062
746.3572	7	L	6	634.3776	317.6927
833.3892	8	S	5	521.2935	261.1507
934.4369	9	T	4	434.2615	217.6347
1005.4740	10	A	3	333.2138	167.1108
1092.5060	11	S	2	262.1767	131.5923
	12	K	1	175.1447	88.0763

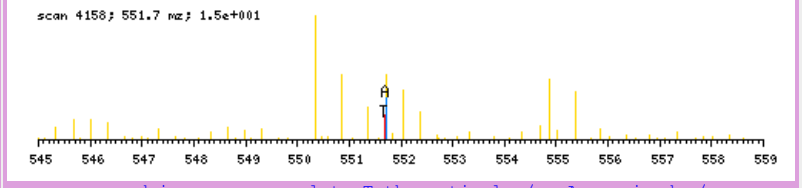
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DLSSSDLSTASKIVK, MH+ 1653.0171, m/z 551.6772
H OS G32 P160811 220811-s1.04159.04159.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



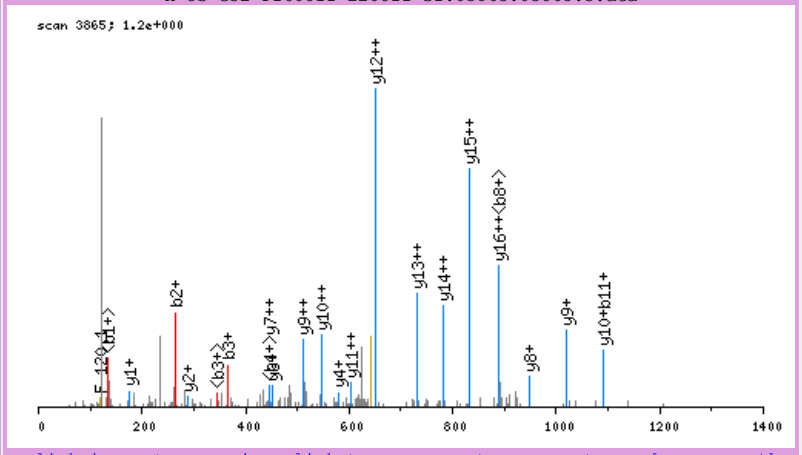
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
263.1819	2	L	14	1503.9271	**752.4674**
350.2139	3	S	13	1390.8430	**695.9254**
437.2460	4	S	12	1303.8110	**652.4094**
524.2780	5	S	11	1216.7790	**608.8934**
639.3049	6	D	10	1129.7469	**565.3774**
752.3890	7	L	9	**1014.7200**	**507.8639**
839.4210	8	S	8	**901.6359**	**451.3219**
940.4687	9	T	7	**814.6039**	**407.8059**
1011.5058	10	A	6	713.5562	357.2820
1098.5378	11	S	5	642.5191	321.7635
1260.6959	12	K	4	**555.4871**	278.2474
1373.7800	13	I	3	393.3290	197.1684
1472.8484	14	V	2	**280.2449**	140.6264
	15	K	1	**181.1765**	91.0922

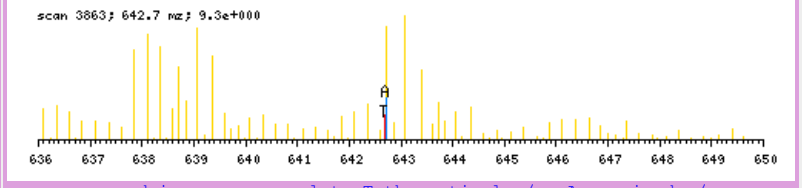
N-term:+35.07 K(12):+162.16
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DLTTCPLAAGGQQEKLR, MH+ 1926.0754, m/z 642.6967
H OS G32 P160811 220811-s1.03865.03865.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



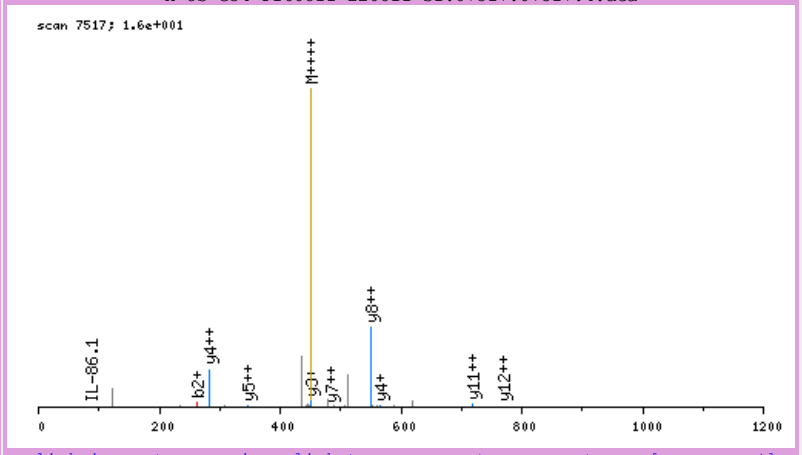
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	17		
263.1819	2	L	16	1776.9854	**888.9966**
364.2296	3	T	15	1663.9014	**832.4546**
465.2773	4	T	14	1562.8537	**781.9307**
625.3079	5	C	13	1461.8060	**731.4069**
722.3606	6	P	12	1301.7754	**651.3916**
835.4447	7	L	11	1204.7226	**602.8652**
906.4818	8	A	10	**1091.6386**	**546.3232**
977.5189	9	A	9	**1020.6015**	**510.8046**
1034.5404	10	G	8	**949.5643**	475.2861
1091.5618	11	G	7	892.5429	**446.7754**
1219.6204	12	Q	6	835.5214	418.2646
1347.6790	13	Q	5	707.4628	354.2353
1476.7216	14	E	4	**579.4043**	290.2060
1638.8797	15	K	3	**450.3617**	225.6847
1751.9638	16	L	2	**288.2036**	144.6057
	17	R	1	**175.1195**	88.0637

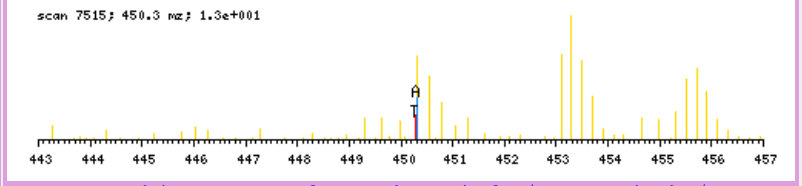
N-term:+35.07 C(5):+160.03
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DLVSSKMFEELKNR, MH+ 1798.0633, m/z 450.2713
H OS G34 P160811 220811-s1.07517.07517.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



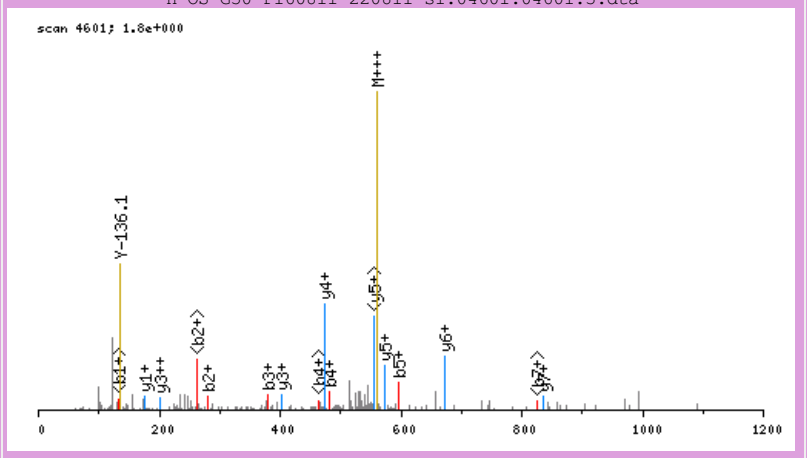
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
263.1819	2	L	13	1648.9733	824.9906
362.2503	3	V	12	1535.8892	**768.4485**
449.2823	4	S	11	1436.8208	**718.9143**
536.3144	5	S	10	1349.7888	675.3983
698.4725	6	K	9	1262.7568	631.8823
829.5130	7	M	8	1100.5987	**550.8033**
976.5814	8	F	7	969.5582	**485.2830**
1105.6240	9	E	6	822.4898	411.7488
1234.6666	10	E	5	693.4472	**347.2275**
1347.7506	11	L	4	**564.4046**	**282.7062**
1509.9087	12	K	3	**451.3205**	226.1642
1623.9517	13	N	2	289.1624	145.0851
	14	R	1	175.1195	88.0637

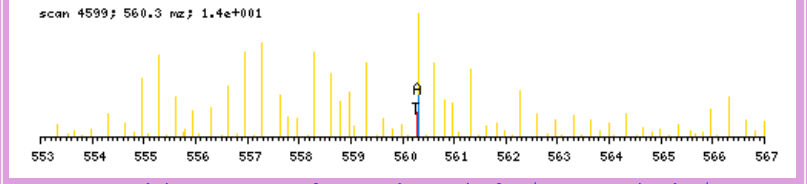
N-term:+35.07 K(6):+162.16
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DMVTDCSYTVAQVR, MH+ 1678.7992, m/z 560.2712
H OS G30 P160811 220811-s1.04601.04601.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



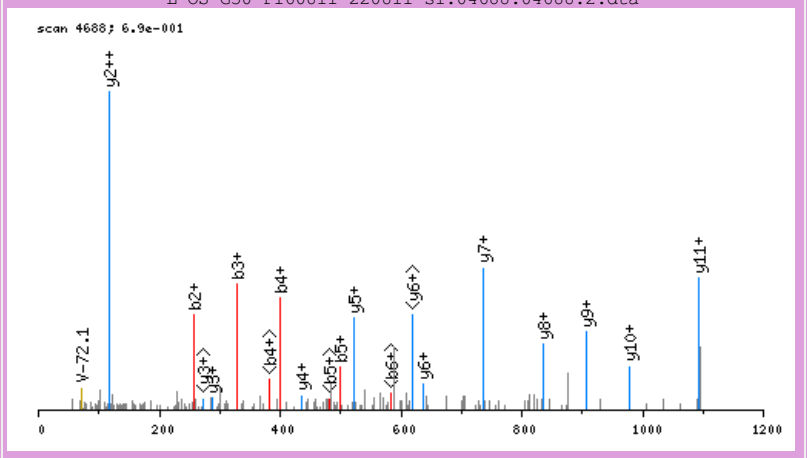
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	14		
281.1383	2	M	13	1529.7092	765.3585
380.2067	3	V	12	1398.6687	699.8383
481.2544	4	T	11	1299.6003	650.3041
596.2814	5	D	10	1198.5526	599.7802
756.3120	6	C	9	1083.5257	542.2667
843.3440	7	S	8	923.4951	462.2514
1006.4073	8	Y	7	**836.4630**	418.7354
1107.4550	9	T	6	**673.3997**	337.2038
1206.5234	10	V	5	**572.3520**	286.6799
1277.5605	11	A	4	**473.2836**	237.1457
1405.6191	12	Q	3	**402.2465**	**201.6272**
1504.6875	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

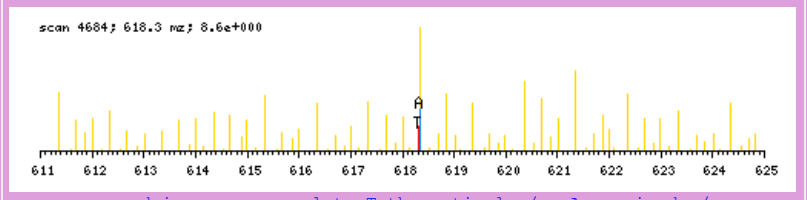
N-term:+35.07 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DNAAVTLSFGGR, MH+ 1235.6384, m/z 618.3228
L OS G30 P160811 220811-s1.04688.04688.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



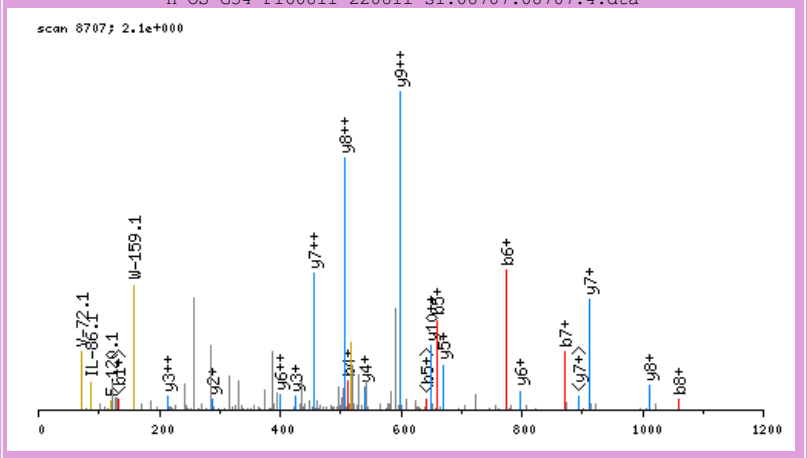
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
258.1090	2	N	11	1092.5802	546.7940
329.1461	3	A	10	978.5373	489.7725
400.1832	4	A	9	907.5001	454.2540
499.2516	5	V	8	836.4630	418.7354
600.2993	6	T	7	737.3946	369.2012
713.3834	7	L	6	636.3469	318.6774
800.4154	8	S	5	523.2629	262.1353
947.4838	9	F	4	436.2308	218.6193
1004.5053	10	G	3	289.1624	145.0851
1061.5267	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

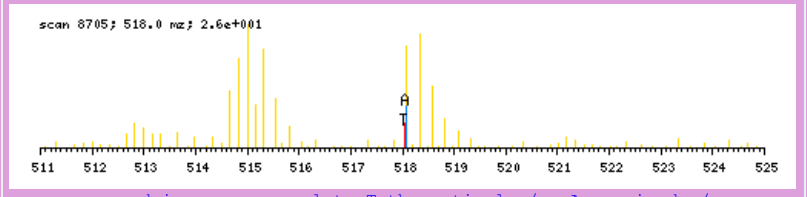
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DNKSFLVWVNEEDHLR, MH+ 2069.1092, m/z 518.0328
H OS G34 P160811 220811-s1.08707.08707.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



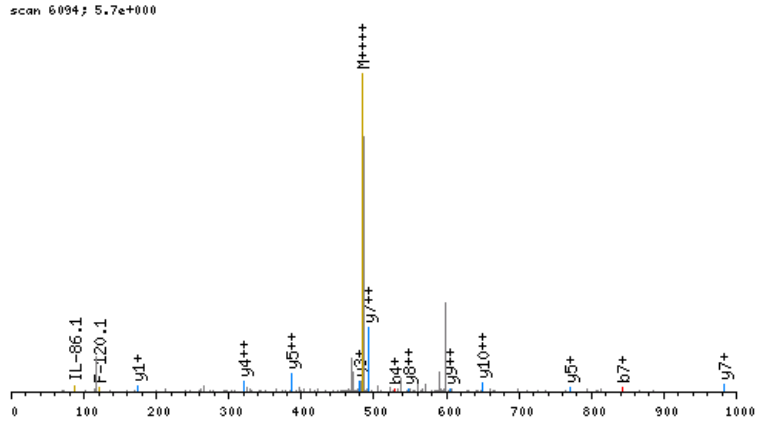
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	16		
264.1408	2	N	15	1920.0192	960.5135
426.2989	3	K	14	1805.9763	903.4921
513.3309	4	S	13	1643.8182	822.4130
660.3993	5	F	12	1556.7862	778.8970
773.4834	6	L	11	1409.7177	705.3628
872.5518	7	V	10	1296.6337	648.8207
1058.6311	8	W	9	1197.5653	599.2865
1157.6995	9	V	8	1011.4859	506.2469
1271.7424	10	N	7	912.4175	456.7127
1400.7850	11	E	6	798.3746	399.6912
1529.8276	12	E	5	669.3320	335.1699
1644.8546	13	D	4	540.2894	270.6486
1781.9135	14	H	3	425.2625	213.1352
1894.9976	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

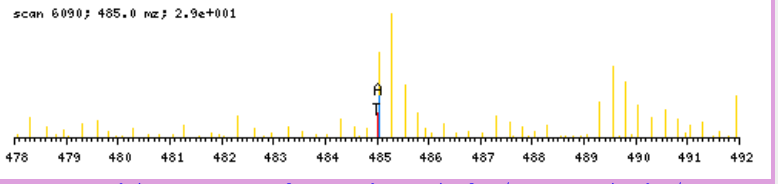
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DNNKISNIPDEYFKR, MH+ 1937.0133, m/z 485.0088
L OS G34 P160811 220811-s1.06094.06094.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



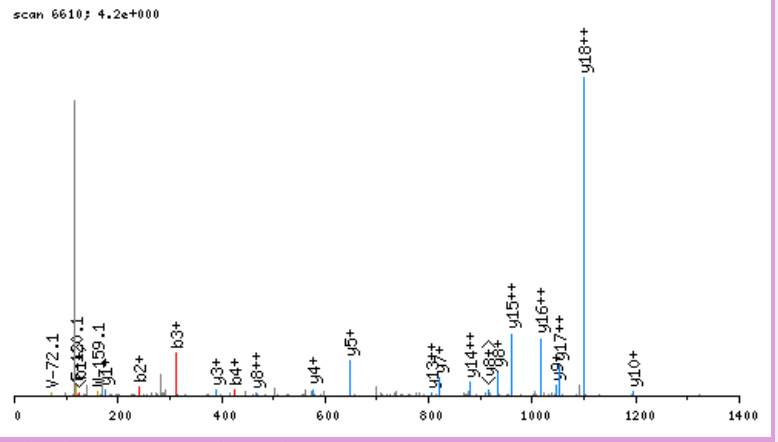
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
258.1090	2	N	14	1793.9551	897.4815
372.1519	3	N	13	1679.9122	840.4600
528.2782	4	K	12	1565.8692	783.4385
641.3623	5	I	11	1409.7429	705.3754
728.3943	6	S	10	1296.6589	**648.8333**
842.4372	7	N	9	1209.6268	**605.3173**
955.5213	8	I	8	1095.5839	**548.2959**
1052.5740	9	P	7	**982.4998**	**491.7538**
1167.6010	10	D	6	885.4471	443.2275
1296.6436	11	E	5	**770.4201**	**385.7140**
1459.7069	12	Y	4	641.3775	**321.1927**
1606.7753	13	F	3	**478.3142**	239.6610
1762.9016	14	K	2	331.2458	166.1268
	15	R	1	**175.1195**	88.0637

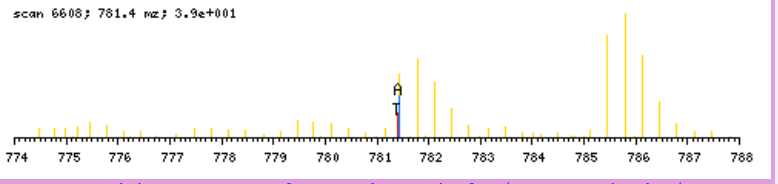
N-term:+29.04 K(4):+156.13
K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DPAIYFKEQFLDGDAWTNR, MH+ 2342.1457, m/z 781.3868
L OS G32 P160811 220811-s1.06610.06610.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



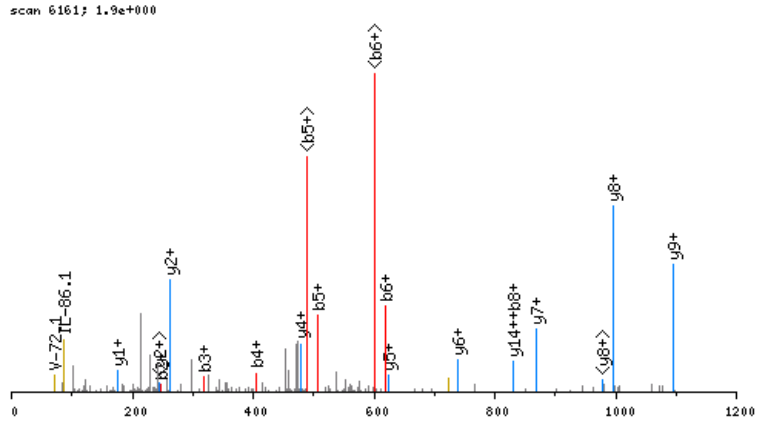
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
241.1188	2	P	18	2199.0875	**1100.0477**
312.1559	3	A	17	2102.0348	**1051.5213**
425.2400	4	I	16	2030.9976	**1016.0027**
588.3033	5	Y	15	1917.9136	**959.4607**
735.3717	6	F	14	1754.8502	**877.9290**
891.4980	7	K	13	1607.7818	**804.3948**
1020.5406	8	E	12	1451.6555	726.3317
1148.5992	9	Q	11	1322.6129	661.8104
1295.6676	10	F	10	**1194.5544**	597.7811
1408.7517	11	L	9	**1047.4859**	524.2469
1523.7786	12	D	8	**934.4019**	**467.7049**
1580.8001	13	G	7	**819.3749**	410.1914
1695.8270	14	D	6	762.3535	381.6807
1766.8641	15	A	5	**647.3265**	324.1672
1952.9435	16	W	4	**576.2894**	288.6486
2053.9911	17	T	3	**390.2101**	195.6090
2168.0341	18	N	2	289.1624	145.0851
	19	R	1	**175.1195**	88.0637

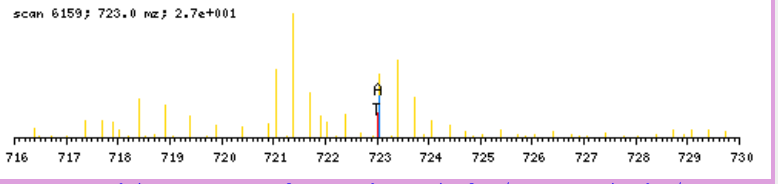
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DPASTLPDIQVQENFSESR, MH+ 2167.0731, m/z 723.0292
H OS G30 P160811 220811-s1.06161.06161.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



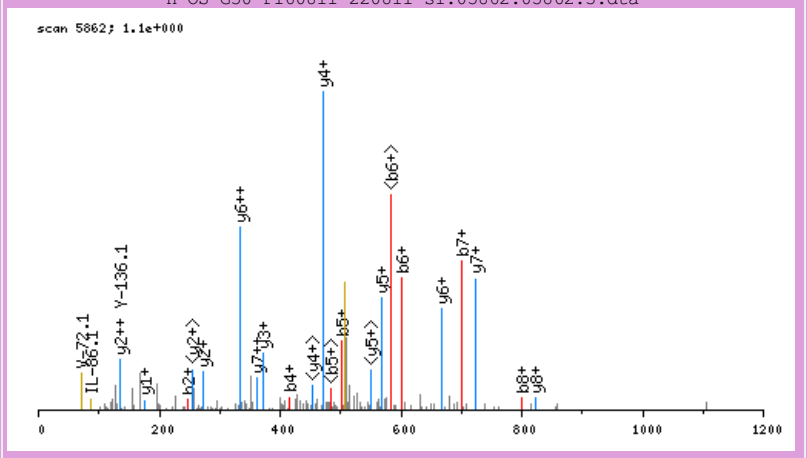
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	19		
247.1506	2	P	18	2017.9831	1009.4954
318.1877	3	A	17	1920.9303	960.9691
405.2197	4	S	16	1849.8932	925.4505
506.2674	5	T	15	1762.8612	881.9345
619.3515	6	L	14	1661.8135	**831.4107**
716.4043	7	P	13	1548.7294	774.8686
831.4312	8	D	12	1451.6767	726.3422
944.5153	9	I	11	1336.6497	668.8288
1072.5738	10	Q	10	1223.5657	612.2867
1171.6423	11	V	9	**1095.5071**	548.2575
1299.7008	12	Q	8	**996.4387**	498.7232
1428.7434	13	E	7	**868.3801**	434.6940
1542.7864	14	N	6	**739.3375**	370.1727
1689.8548	15	F	5	**625.2946**	313.1512
1776.8868	16	S	4	**478.2262**	239.6170
1905.9294	17	E	3	391.1941	196.1010
1992.9614	18	S	2	**262.1515**	131.5797
	19	R	1	**175.1195**	88.0637

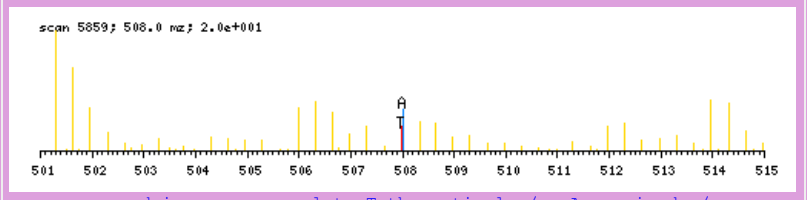
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DPPASVVVGPVVVPR, MH+ 1521.9217, m/z 507.9787
H OS G30 P160811 220811-s1.05862.05862.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



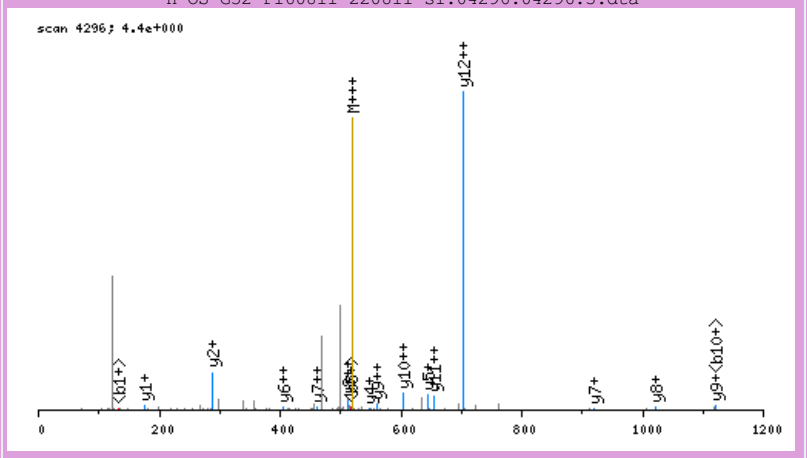
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
247.1506	2	P	14	1372.8316	686.9197
344.2034	3	P	13	1275.7789	638.3934
415.2405	4	A	12	1178.7261	589.8670
502.2725	5	S	11	1107.6890	554.3484
601.3409	6	V	10	1020.6570	510.8324
700.4093	7	V	9	921.5886	461.2982
799.4778	8	V	8	**822.5201**	411.7640
856.4992	9	G	7	**723.4517**	**362.2298**
953.5520	10	P	6	**666.4303**	**333.7190**
1052.6204	11	V	5	**569.3775**	285.1927
1151.6888	12	V	4	**470.3091**	235.6585
1250.7572	13	V	3	**371.2407**	186.1243
1347.8100	14	P	2	**272.1723**	**136.5900**
	15	R	1	**175.1195**	88.0637

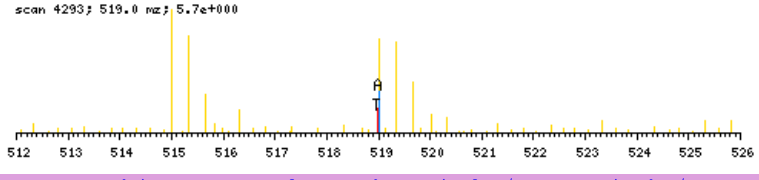
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DPTSVTLKPMEIR, MH+ 1554.9202, m/z 518.9782
H OS G32 P160811 220811-s1.04296.04296.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



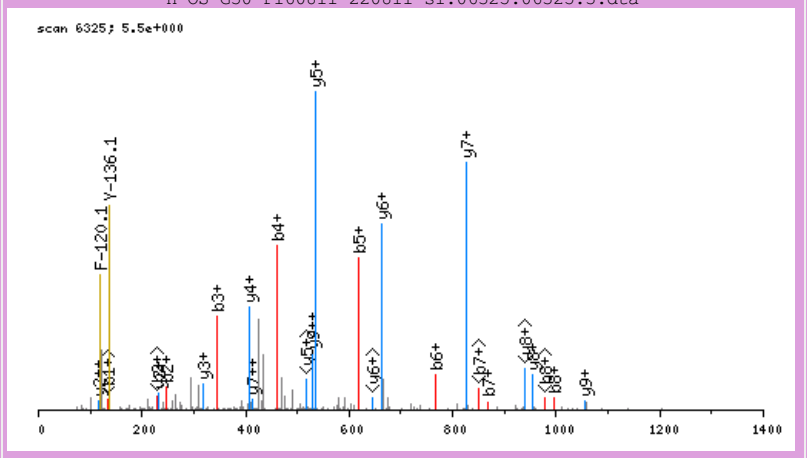
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
247.1506	2	P	12	1405.8301	**703.4190**
348.1983	3	T	11	1308.7774	**654.8926**
435.2303	4	S	10	1207.7297	**604.3688**
534.2987	5	V	9	**1120.6977**	**560.8527**
635.3464	6	T	8	**1021.6292**	**511.3185**
748.4305	7	L	7	**920.5816**	**460.7947**
910.5886	8	K	6	807.4975	**404.2527**
1007.6413	9	P	5	**645.3394**	323.1736
1138.6818	10	M	4	**548.2866**	274.6472
1267.7244	11	E	3	417.2462	209.1270
1380.8085	12	I	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

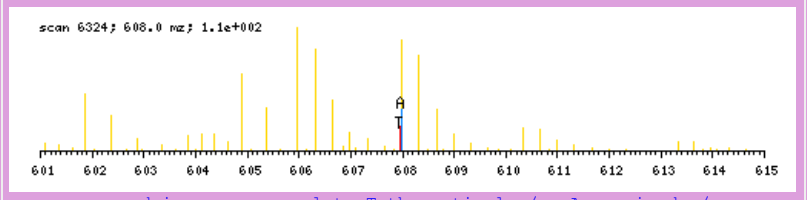
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DPVLCFTQYEESSGR, MH+ 1821.8541, m/z 607.9562
H OS G30 P160811 220811-s1.06325.06325.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



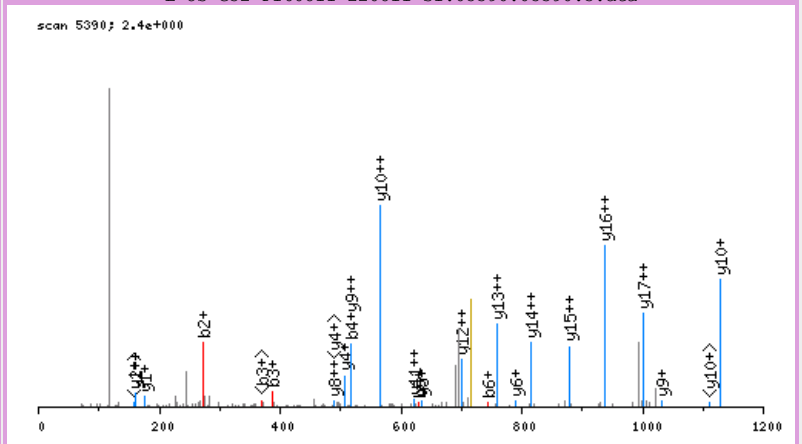
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
247.1506	2	P	14	1672.7640	836.8859
346.2190	3	V	13	1575.7113	788.3596
459.3031	4	L	12	1476.6429	738.8253
619.3337	5	C	11	1363.5588	682.2833
766.4021	6	F	10	1203.5282	602.2680
867.4498	7	T	9	**1056.4598**	**528.7338**
995.5084	8	Q	8	**955.4121**	478.2100
1158.5717	9	Y	7	**827.3535**	**414.1807**
1287.6143	10	E	6	**664.2902**	332.6490
1416.6569	11	E	5	**535.2476**	268.1277
1503.6889	12	S	4	**406.2050**	203.6064
1590.7209	13	S	3	**319.1730**	160.0904
1647.7424	14	G	2	**232.1410**	**116.5744**
	15	R	1	175.1195	88.0637

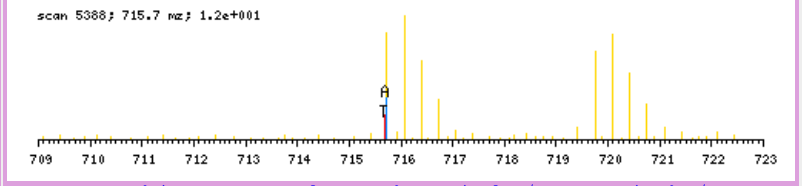
N-term:+35.07 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DQDEIDCLPGLAKQPSFR, MH+ 2145.0650, m/z 715.6932
L OS G32 P160811 220811-s1.05390.05390.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



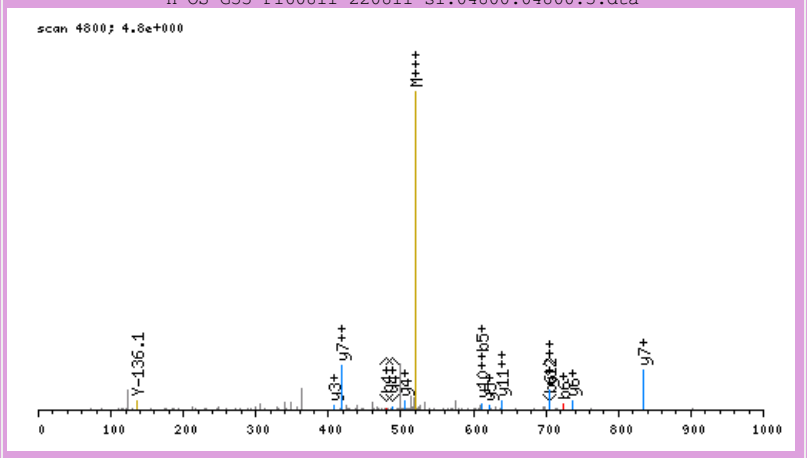
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
272.1246	2	Q	17	2002.0068	**1001.5073**
387.1516	3	D	16	1873.9482	**937.4780**
516.1942	4	E	15	1758.9213	**879.9645**
629.2782	5	I	14	1629.8787	**815.4432**
744.3052	6	D	13	1516.7946	**758.9012**
904.3358	7	C	12	1401.7677	**701.3877**
1017.4198	8	L	11	1241.7371	**621.3724**
1114.4726	9	P	10	**1128.6530**	**564.8304**
1171.4941	10	G	9	**1031.6002**	**516.3040**
1284.5781	11	L	8	974.5788	**487.7933**
1355.6152	12	A	7	861.4947	431.2513
1511.7415	13	K	6	**790.4576**	395.7327
1639.8001	14	Q	5	**634.3313**	317.6696
1736.8529	15	P	4	**506.2727**	253.6403
1823.8849	16	S	3	409.2199	205.1139
1970.9533	17	F	2	322.1879	**161.5979**
	18	R	1	**175.1195**	88.0637

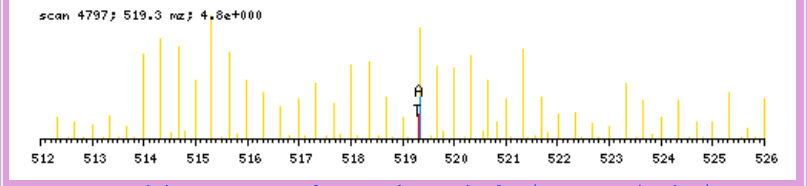
N-term:+29.04 C(7):+160.03
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DQGKLIPDDVMTR, MH+ 1555.8790, m/z 519.2979
H_OS_G33_P160811_220811-s1.04800.04800.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



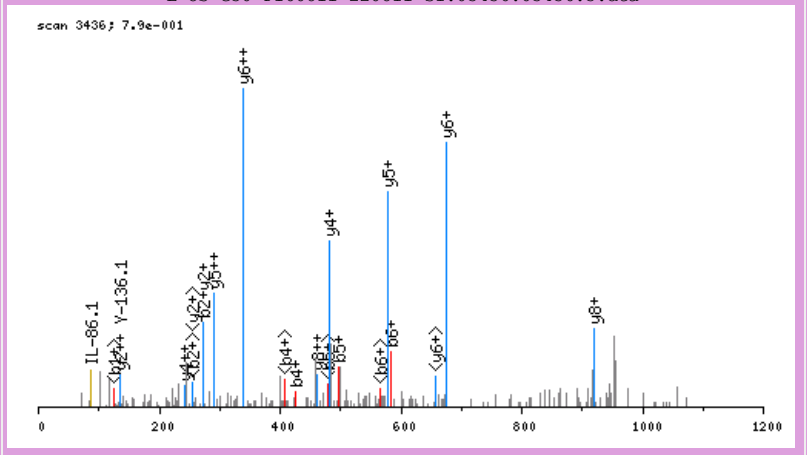
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
278.1564	2	Q	12	1406.7890	**703.8984**
335.1779	3	G	11	1278.7304	**639.8691**
497.3360	4	K	10	1221.7090	**611.3584**
610.4200	5	L	9	1059.5509	530.2793
723.5041	6	I	8	946.4668	473.7373
820.5569	7	P	7	**833.3827**	**417.1953**
935.5838	8	D	6	**736.3300**	368.6689
1050.6108	9	D	5	**621.3030**	311.1554
1149.6792	10	V	4	**506.2761**	253.6420
1280.7197	11	M	3	**407.2077**	204.1077
1381.7673	12	T	2	276.1672	138.5875
	13	R	1	175.1195	88.0637

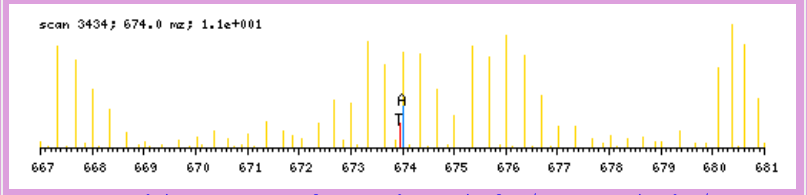
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DQPGASGDNDDDEPPPLPR, MH+ 2019.8895, m/z 673.9680
L OS G30 P160811 220811-s1.03436.03436.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



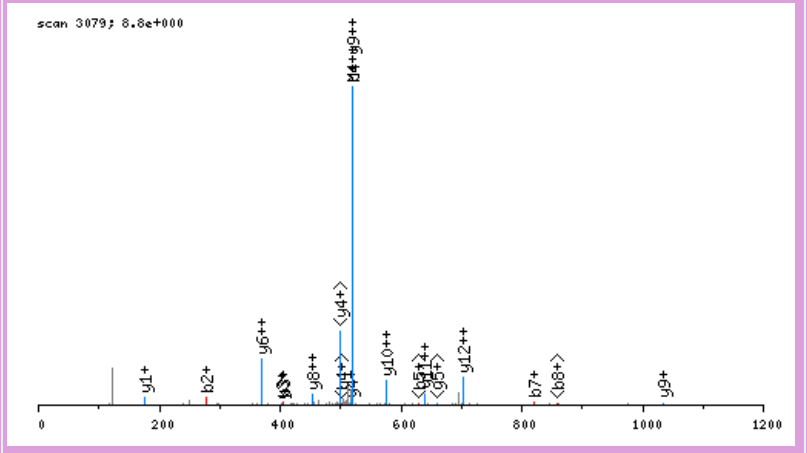
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
272.1246	2	Q	18	1876.8313	938.9196
369.1774	3	P	17	1748.7727	874.8903
426.1988	4	G	16	1651.7200	826.3639
497.2360	5	A	15	1594.6985	797.8532
584.2680	6	S	14	1523.6614	762.3346
641.2895	7	G	13	1436.6294	718.8186
756.3164	8	D	12	1379.6079	690.3079
870.3593	9	N	11	1264.5810	632.7944
985.3863	10	D	10	1150.5380	575.7729
1100.4132	11	D	9	1035.5111	518.2595
1215.4402	12	D	8	**920.4842**	**460.7460**
1344.4827	13	E	7	805.4572	403.2325
1441.5355	14	P	6	**676.4146**	**338.7112**
1538.5883	15	P	5	**579.3619**	**290.1848**
1635.6410	16	P	4	**482.3091**	**241.6585**
1748.7251	17	L	3	385.2563	193.1321
1845.7779	18	P	2	**272.1723**	**136.5900**
	19	R	1	175.1195	88.0637

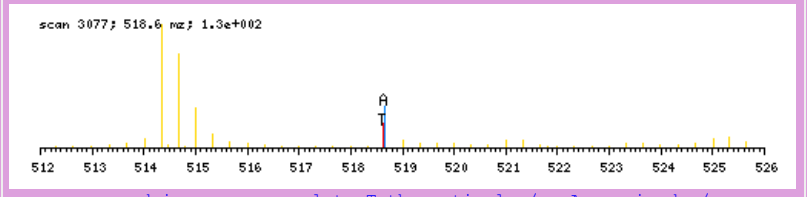
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DQQLQGDGKLIDR, MH+ 1553.8924, m/z 518.6356
H OS G33 P160811 220811-s1.03079.03079.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

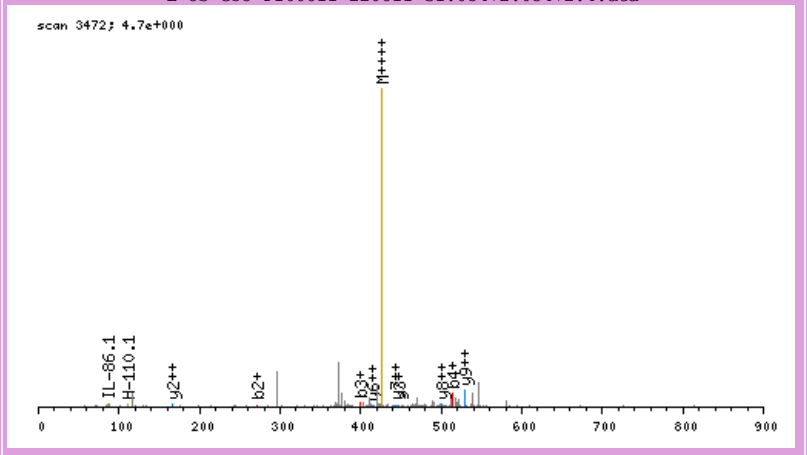


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

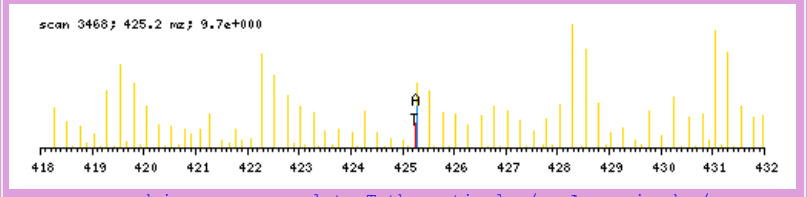
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
278.1564	2	Q	12	1404.8023	**702.9051**
406.2150	3	Q	11	1276.7438	**638.8758**
519.2991	4	L	10	1148.6852	**574.8465**
647.3576	5	Q	9	**1035.6011**	**518.3045**
704.3791	6	G	8	907.5425	**454.2752**
819.4060	7	D	7	850.5211	425.7645
876.4275	8	G	6	735.4941	**368.2510**
1038.5856	9	K	5	678.4727	339.7402
1151.6697	10	L	4	**516.3146**	258.6612
1264.7537	11	I	3	**403.2305**	202.1192
1379.7807	12	D	2	290.1464	145.5771
	13	R	1	**175.1195**	88.0637

N-term:+35.07 K(9):+162.16

DQQLQGDGKLIDRR, MH+ 1697.9299, m/z 425.2379
L OS G35 P160811 220811-s1.03472.03472.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

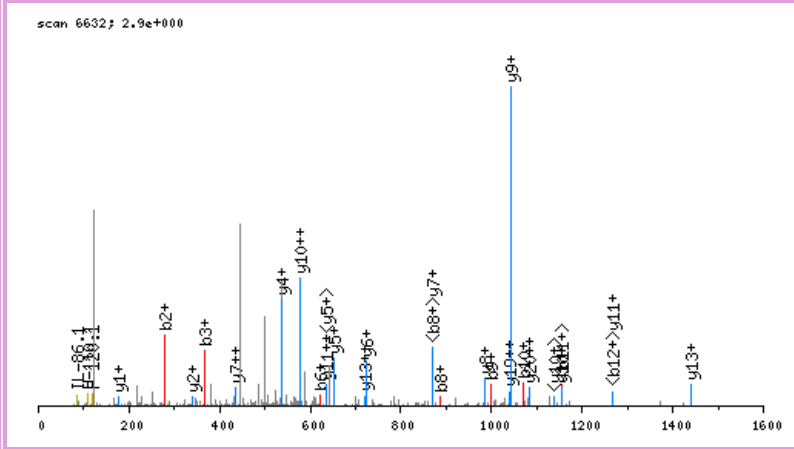
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
272.1246	2	Q	13	1554.8717	777.9397
400.1832	3	Q	12	1426.8131	713.9104
513.2673	4	L	11	1298.7545	649.8812
641.3258	5	Q	10	1185.6704	593.3391
698.3473	6	G	9	1057.6119	**529.3098**
813.3742	7	D	8	1000.5904	**500.7991**
870.3957	8	G	7	885.5634	**443.2856**
1026.5220	9	K	6	828.5420	**414.7749**
1139.6061	10	L	5	672.4157	336.7118
1252.6901	11	I	4	559.3316	280.1697
1367.7171	12	D	3	**446.2476**	223.6277
1523.8182	13	R	2	331.2206	**166.1142**
	14	R	1	175.1195	88.0637

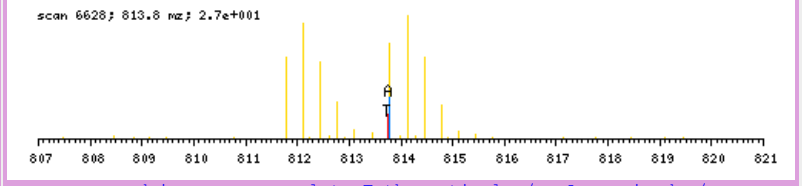
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DQSPASHEIATNLGDFAISLYR, MH+ 2439.2368, m/z 813.7505
H OS G32 P160811 220811-s1.06632.06632.3.dta



click image to zoom in; click top corners to zoom out [precursor]



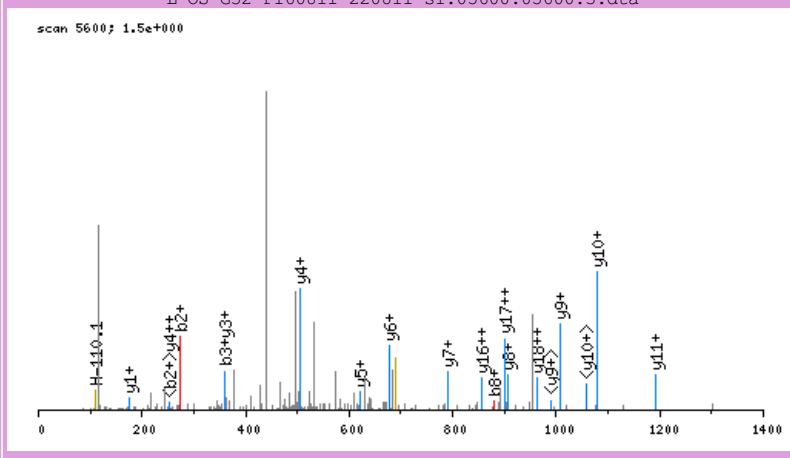
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	22		
278.1564	2	Q	21	2290.1468	1145.5773
365.1884	3	S	20	2162.0882	**1081.5480**
462.2412	4	P	19	2075.0562	**1038.0320**
533.2783	5	A	18	1978.0034	989.5056
620.3104	6	S	17	1906.9663	953.9871
757.3693	7	H	16	1819.9343	910.4710
886.4119	8	E	15	1682.8754	841.9416
999.4959	9	I	14	1553.8328	777.4203
1070.5330	10	A	13	**1440.7487**	**720.8783**
1171.5807	11	T	12	1369.7116	685.3597
1285.6236	12	N	11	**1268.6639**	**634.8359**
1398.7077	13	L	10	**1154.6210**	**577.8144**
1455.7292	14	G	9	**1041.5369**	521.2724
1570.7561	15	D	8	**984.5155**	492.7616
1717.8245	16	F	7	**869.4885**	**435.2482**
1788.8616	17	A	6	**722.4201**	361.7140
1901.9457	18	I	5	**651.3830**	326.1954
1988.9777	19	S	4	**538.2989**	269.6534
2102.0618	20	L	3	451.2669	226.1374
2265.1251	21	Y	2	**338.1828**	169.5953
	22	R	1	**175.1195**	88.0637

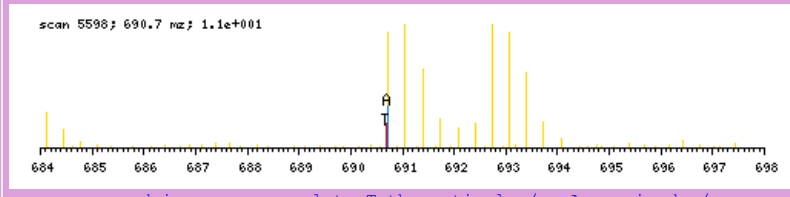
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DQSPASHEIATNLGDFALR, MH+ 2070.0256, m/z 690.6800
L OS G32 P160811 220811-s1.05600.05600.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



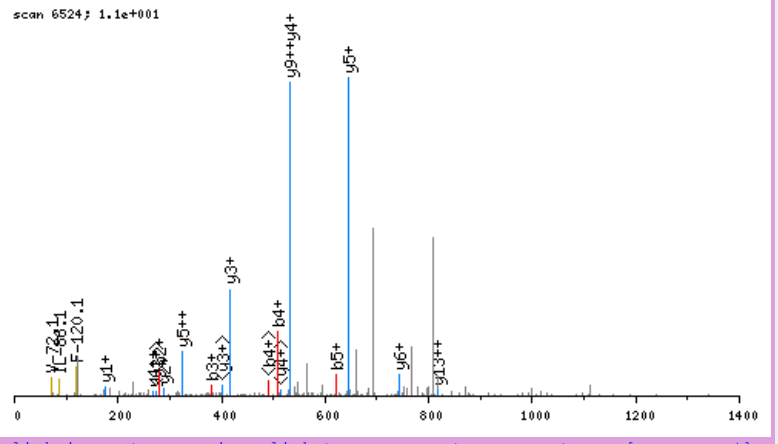
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
272.1246	2	Q	18	1926.9674	963.9876
359.1566	3	S	17	1798.9088	899.9583
456.2094	4	P	16	1711.8768	856.4423
527.2465	5	A	15	1614.8240	807.9159
614.2786	6	S	14	1543.7869	772.3974
751.3375	7	H	13	1456.7549	728.8813
880.3801	8	E	12	1319.6959	660.3519
993.4641	9	I	11	1190.6533	595.8306
1064.5012	10	A	10	1077.5693	539.2886
1165.5489	11	T	9	1006.5322	503.7700
1279.5918	12	N	8	905.4845	453.2462
1392.6759	13	L	7	791.4416	396.2247
1449.6974	14	G	6	678.3575	339.6827
1564.7243	15	D	5	621.3360	311.1719
1711.7927	16	F	4	506.3091	253.6585
1782.8298	17	A	3	359.2407	180.1243
1895.9139	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

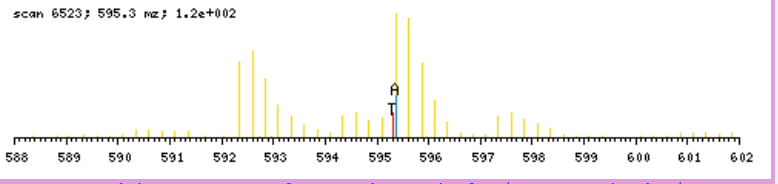
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DQTQIQEFKEAFTVIDQNR, MH+ 2378.2628, m/z 595.3212
H OS G32 P160811 220811-s1.06524.06524.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

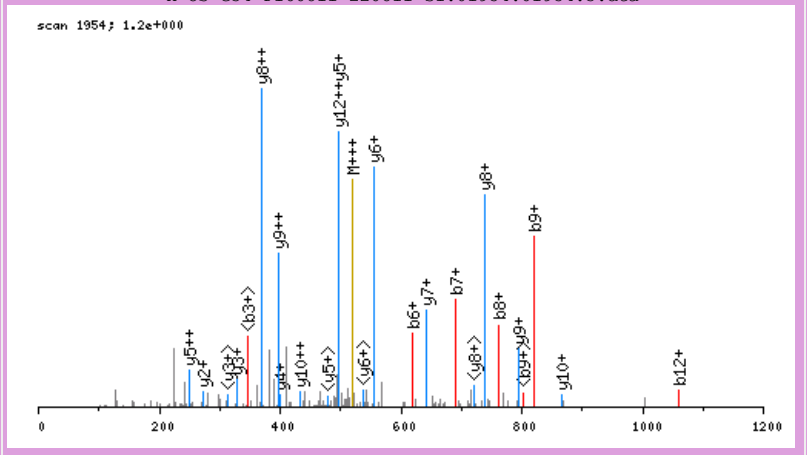


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

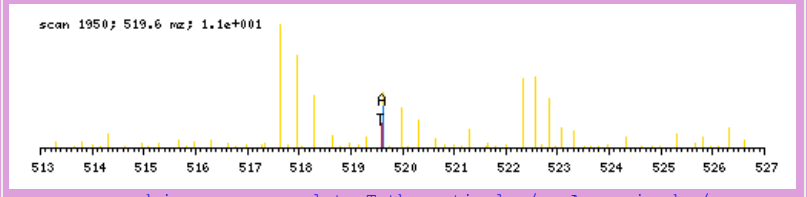
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	19		
278.1564	2	Q	18	2229.1728	1115.0903
379.2041	3	T	17	2101.1142	1051.0610
507.2627	4	Q	16	2000.0666	1000.5372
620.3467	5	I	15	1872.0080	936.5079
748.4053	6	Q	14	1758.9239	879.9659
877.4479	7	E	13	1630.8653	**815.9366**
1024.5163	8	F	12	1501.8227	751.4153
1186.6744	9	K	11	1354.7543	677.8811
1315.7170	10	E	10	1192.5962	596.8020
1386.7541	11	A	9	1063.5536	**532.2807**
1533.8225	12	F	8	992.5165	496.7622
1634.8702	13	T	7	845.4481	423.2280
1733.9386	14	V	6	**744.4004**	372.7041
1847.0227	15	I	5	**645.3320**	**323.1699**
1962.0496	16	D	4	**532.2479**	**266.6279**
2090.1082	17	Q	3	**417.2210**	209.1144
2204.1512	18	N	2	**289.1624**	145.0851
	19	R	1	**175.1195**	88.0637

N-term:+35.07 K(9):+162.16

DRGEAGAAGPSGPAGPR, MH+ 1556.7993, m/z 519.6046
H OS G34 P160811 220811-s1.01954.01954.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

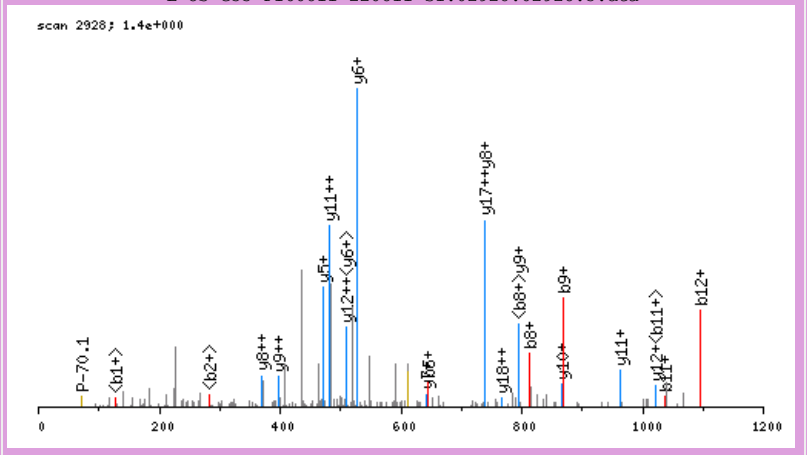
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	17		
306.1990	2	R	16	1407.7093	704.3586
363.2204	3	G	15	1251.6082	626.3080
492.2630	4	E	14	1194.5867	597.7973
563.3001	5	A	13	1065.5441	533.2760
620.3216	6	G	12	994.5070	**497.7574**
691.3587	7	A	11	937.4856	469.2467
762.3958	8	A	10	**866.4484**	**433.7281**
819.4173	9	G	9	**795.4113**	**398.2096**
916.4700	10	P	8	**738.3899**	**369.6988**
1003.5021	11	S	7	**641.3371**	321.1725
1060.5235	12	G	6	**554.3051**	277.6564
1157.5763	13	P	5	**497.2836**	**249.1457**
1228.6134	14	A	4	**400.2308**	200.6193
1285.6349	15	G	3	**329.1937**	165.1008
1382.6876	16	P	2	**272.1723**	136.5900
	17	R	1	175.1195	88.0637

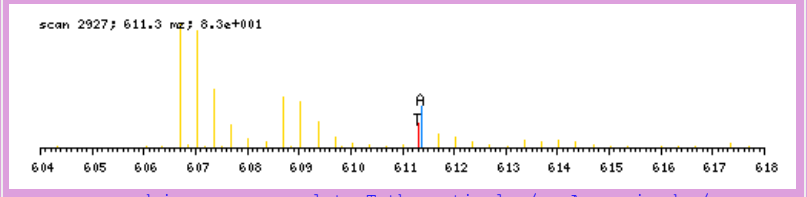
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DRGETGPAGPAGPIGPAGAR, MH+ 1831.9415, m/z 611.3187
L OS G33 P160811 220811-s1.02928.02928.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



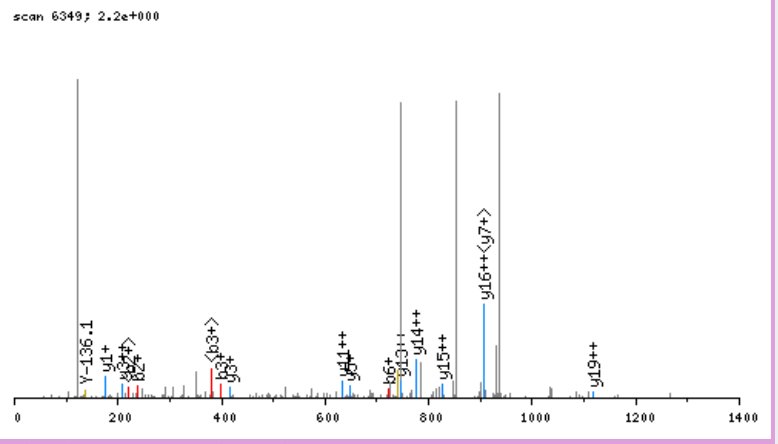
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	20		
300.1672	2	R	19	1688.8832	844.9455
357.1886	3	G	18	1532.7821	**766.8950**
486.2312	4	E	17	1475.7607	**738.3842**
587.2789	5	T	16	1346.7181	673.8629
644.3004	6	G	15	1245.6704	623.3391
741.3531	7	P	14	1188.6489	594.8284
812.3902	8	A	13	1091.5962	546.3020
869.4117	9	G	12	**1020.5591**	**510.7834**
966.4645	10	P	11	**963.5376**	**482.2727**
1037.5016	11	A	10	**866.4848**	433.7463
1094.5230	12	G	9	**795.4477**	**398.2278**
1191.5758	13	P	8	**738.4262**	**369.7170**
1304.6599	14	I	7	**641.3735**	321.1907
1361.6813	15	G	6	**528.2894**	264.6486
1458.7341	16	P	5	**471.2680**	236.1379
1529.7712	17	A	4	374.2152	187.6115
1586.7927	18	G	3	303.1781	152.0930
1657.8298	19	A	2	246.1566	123.5822
	20	R	1	175.1195	88.0637

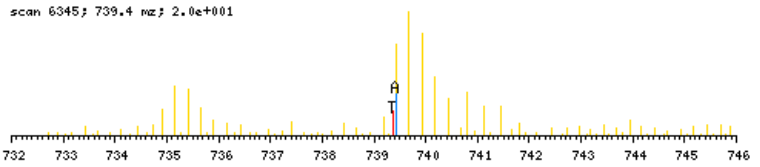
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DSCPLDCKVYVGNLGNNGNKTELER, MH+ 2954.5200, m/z 739.3854
H OS G34 P160811 220811-s1.06349.06349.4.dta



click image to zoom in; click top corners to zoom out [precursor]



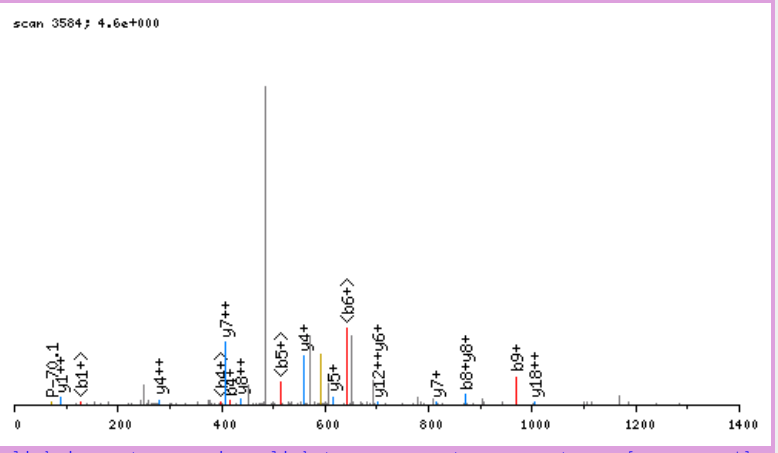
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	25		
237.1299	2	S	24	2805.4300	1403.2189
397.1605	3	C	23	2718.3979	1359.7029
494.2132	4	P	22	2558.3673	1279.6876
607.2973	5	L	21	2461.3146	1231.1612
722.3242	6	D	20	2348.2305	1174.6192
882.3548	7	C	19	2233.2036	**1117.1057**
1044.5129	8	K	18	2073.1730	1037.0904
1143.5814	9	V	17	1911.0149	956.0113
1306.6447	10	Y	16	1811.9464	**906.4771**
1405.7131	11	V	15	1648.8831	**824.9455**
1462.7346	12	G	14	1549.8147	**775.4113**
1576.7775	13	N	13	1492.7932	**746.9005**
1689.8616	14	L	12	1378.7503	689.8791
1746.8830	15	G	11	1265.6662	**633.3370**
1860.9259	16	N	10	1208.6448	604.8263
1974.9689	17	N	9	1094.6018	547.8048
2031.9903	18	G	8	980.5589	490.7834
2146.0333	19	N	7	923.5375	462.2726
2308.1914	20	K	6	809.4945	405.2512
2409.2390	21	T	5	**647.3364**	324.1721
2538.2816	22	E	4	546.2888	273.6483
2651.3657	23	L	3	**417.2462**	**209.1270**
2780.4083	24	E	2	304.1621	152.5850
	25	R	1	**175.1195**	88.0637

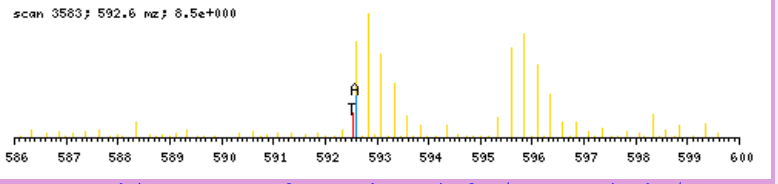
N-term:+35.07 C(3):+160.03
C(7):+160.03 K(8):+162.16
K(20):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DSEGNQVLPDQKEGLSGEPRR, MH+ 2367.1905, m/z 592.5531
L OS G32 P160811 220811-s1.03584.03584.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



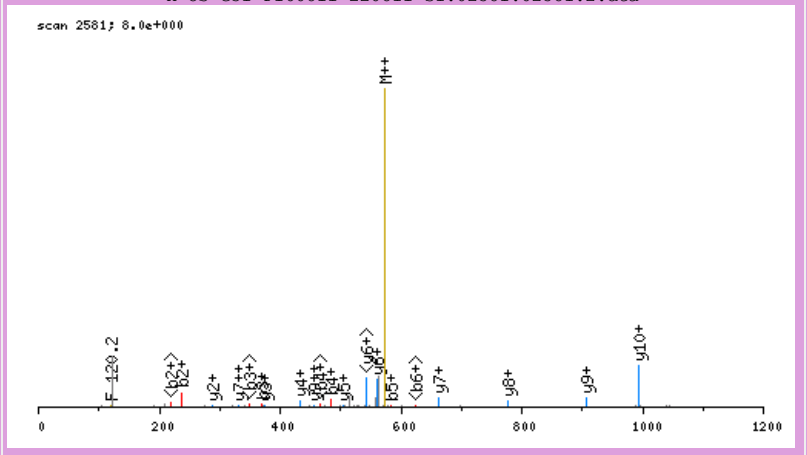
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	21		
231.0981	2	S	20	2224.1322	1112.5700
360.1407	3	E	19	2137.1002	1069.0540
417.1621	4	G	18	2008.0576	**1004.5327**
531.2051	5	N	17	1951.0361	976.0220
659.2636	6	Q	16	1836.9932	919.0005
758.3320	7	V	15	1708.9346	854.9712
871.4161	8	L	14	1609.8662	805.4370
968.4689	9	P	13	1496.7822	748.8950
1083.4958	10	D	12	1399.7294	**700.3686**
1211.5544	11	Q	11	1284.7025	642.8551
1367.6807	12	K	10	1156.6439	578.8259
1496.7233	13	E	9	1000.5176	500.7627
1553.7448	14	G	8	**871.4750**	**436.2414**
1666.8288	15	L	7	**814.4535**	**407.7307**
1753.8608	16	S	6	**701.3695**	351.1886
1810.8823	17	G	5	**614.3374**	307.6726
1939.9249	18	E	4	**557.3160**	**279.1619**
2036.9777	19	P	3	428.2734	214.6406
2193.0788	20	R	2	331.2206	166.1142
	21	R	1	175.1195	**88.0637**

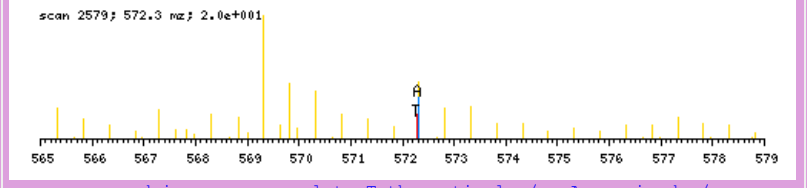
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DSMDTGAGSIR, MH+ 1143.5528, m/z 572.2800
H_OS_G31_P160811_220811-s1.02581.02581.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

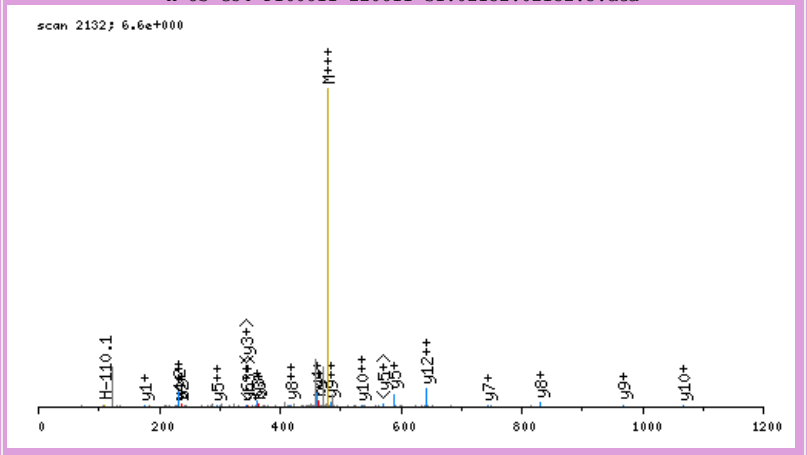


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

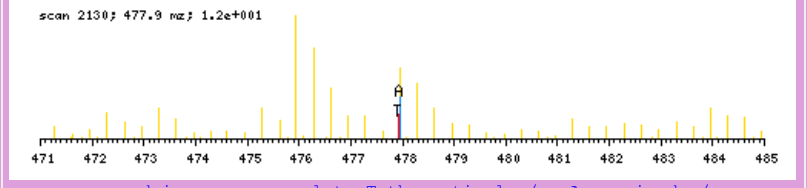
b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
237.1299	2	S	10	994.4628	497.7353
368.1704	3	M	9	907.4307	454.2193
483.1973	4	D	8	776.3903	388.6990
584.2450	5	T	7	661.3633	331.1856
641.2664	6	G	6	560.3156	280.6617
712.3036	7	A	5	503.2942	252.1510
769.3250	8	G	4	432.2571	216.6324
856.3570	9	S	3	375.2356	188.1217
969.4411	10	I	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

N-term:+35.07

DSQVHSGVQVEGR, MH+ 1431.7404, m/z 477.9183
H OS G34 P160811 220811-s1.02132.02132.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

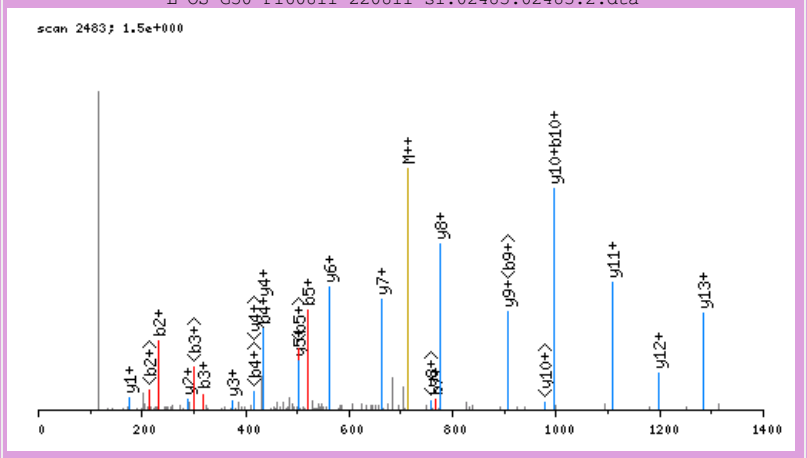
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	13		
237.1299	2	S	12	1282.6504	641.8291
365.1884	3	Q	11	1195.6184	598.3131
464.2569	4	V	10	1067.5598	534.2838
601.3158	5	H	9	968.4914	484.7496
688.3478	6	S	8	831.4325	416.2201
745.3693	7	G	7	744.4004	372.7041
844.4377	8	V	6	687.3790	344.1934
972.4963	9	Q	5	588.3105	294.6592
1071.5647	10	V	4	460.2520	230.6299
1200.6073	11	E	3	361.1836	181.0957
1257.6287	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

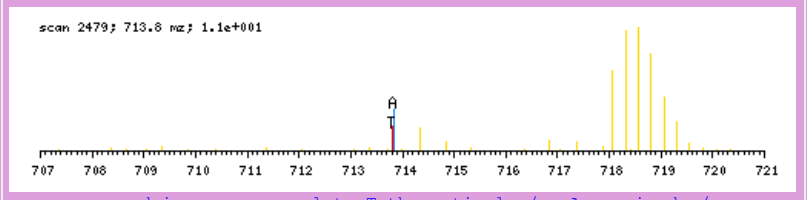
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DSSDSMDTGAGSIR, MH+ 1426.6120, m/z 713.8096
L OS G30 P160811 220811-s1.02483.02483.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

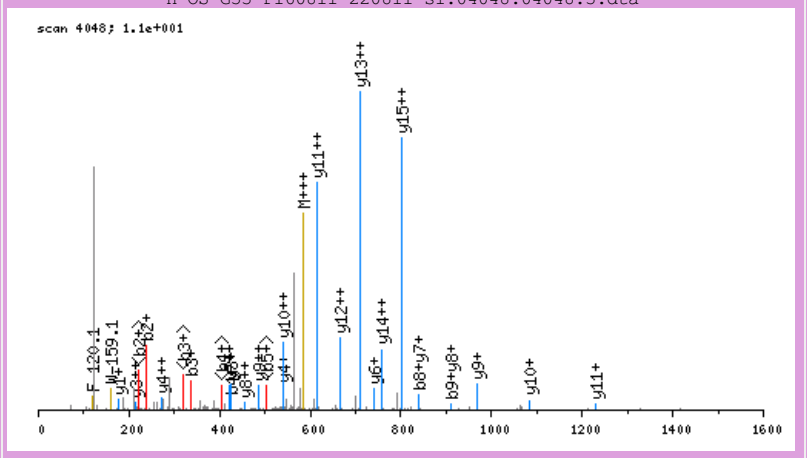


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

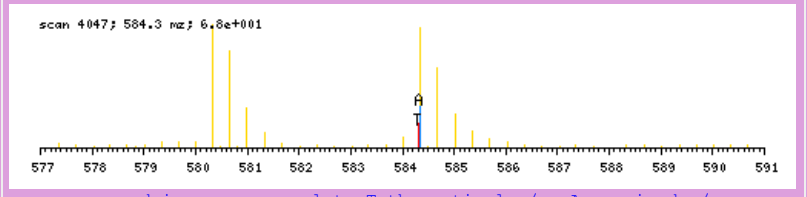
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
231.0981	2	S	13	1283.5538	642.2808
318.1301	3	S	12	1196.5217	598.7648
433.1570	4	D	11	1109.4897	555.2488
520.1891	5	S	10	994.4628	497.7353
651.2296	6	M	9	907.4307	454.2193
766.2565	7	D	8	776.3903	388.6990
867.3042	8	T	7	661.3633	331.1856
924.3256	9	G	6	560.3156	280.6617
995.3628	10	A	5	503.2942	252.1510
1052.3842	11	G	4	432.2571	216.6324
1139.4162	12	S	3	375.2356	188.1217
1252.5003	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

N-term:+29.04

DSVSVFNGAVSDDSKR, MH+ 1750.9248, m/z 584.3131
H_OS_G33_P160811_220811-s1.04048.04048.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

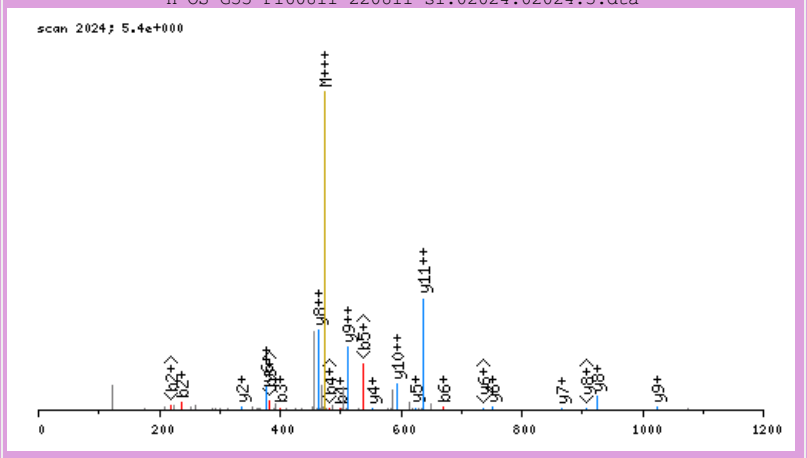
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	16		
237.1299	2	S	15	1601.8348	**801.4213**
336.1983	3	V	14	1514.8027	**757.9053**
423.2303	4	S	13	1415.7343	**708.3711**
522.2987	5	V	12	1328.7023	**664.8551**
669.3671	6	F	11	**1229.6339**	**615.3209**
783.4101	7	N	10	**1082.5655**	**541.7866**
840.4315	8	G	9	**968.5225**	**484.7652**
911.4686	9	A	8	**911.5011**	**456.2544**
1010.5371	10	V	7	**840.4640**	**420.7359**
1097.5691	11	S	6	**741.3955**	371.2017
1212.5960	12	D	5	654.3635	327.6857
1327.6230	13	D	4	**539.3366**	**270.1722**
1414.6550	14	S	3	**424.3096**	**212.6587**
1576.8131	15	K	2	337.2776	169.1427
	16	R	1	**175.1195**	88.0637

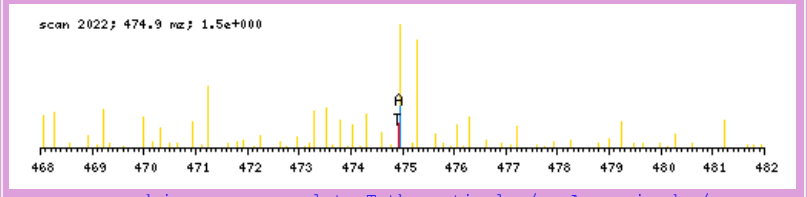
N-term:+35.07 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DSYVGDEAQSKR, MH+ 1422.7501, m/z 474.9216
H_OS_G33_P160811_220811-s1.02024.02024.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



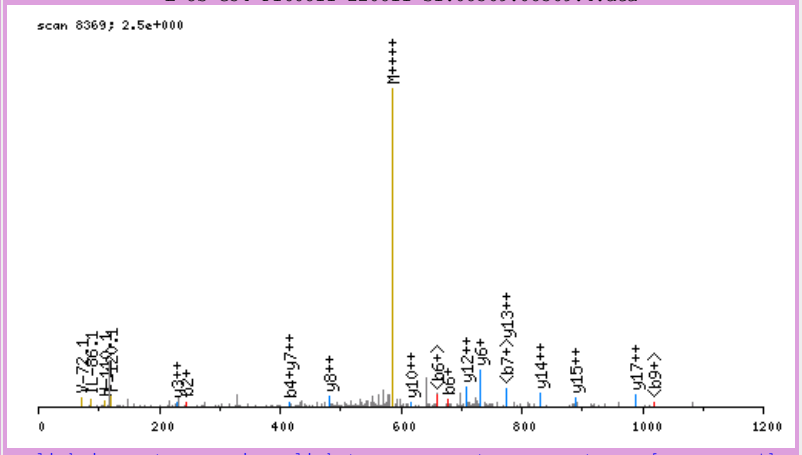
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	12		
237.1299	2	S	11	1273.6601	637.3340
400.1932	3	Y	10	1186.6281	593.8179
499.2616	4	V	9	1023.5647	512.2863
556.2831	5	G	8	924.4963	462.7521
671.3100	6	D	7	867.4749	434.2413
800.3526	7	E	6	752.4479	376.7279
871.3897	8	A	5	623.4053	312.2066
999.4483	9	Q	4	552.3682	276.6880
1086.4803	10	S	3	424.3096	212.6587
1248.6384	11	K	2	337.2776	169.1427
	12	R	1	175.1195	88.0637

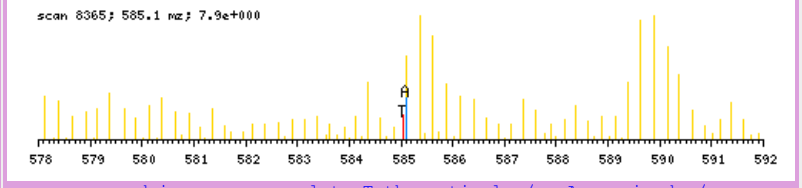
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DTDGFNLEDALKETSSVKQR, MH+ 2337.1938, m/z 585.0539
L OS G34 P160811 220811-s1.08369.08369.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



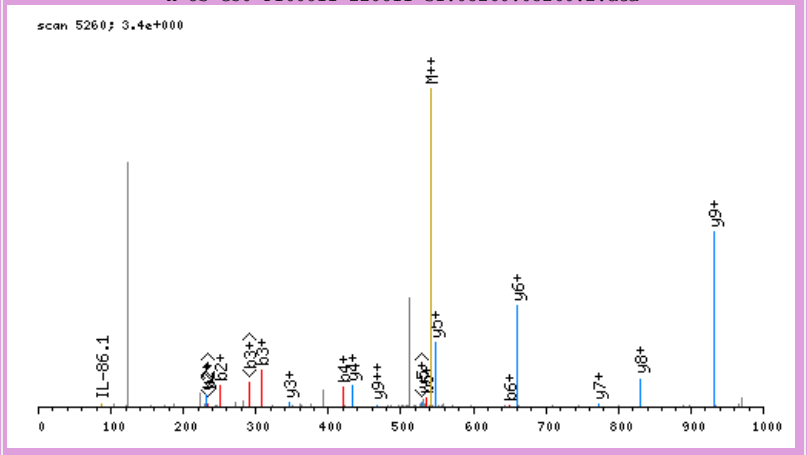
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	20		
245.1137	2	T	19	2194.1356	1097.5717
360.1407	3	D	18	2093.0879	1047.0479
417.1621	4	G	17	1978.0610	**989.5344**
564.2305	5	F	16	1921.0395	961.0237
678.2735	6	N	15	1773.9711	**887.4895**
791.3575	7	L	14	1659.9282	**830.4680**
920.4001	8	E	13	1546.8441	**773.9260**
1035.4271	9	D	12	1417.8015	**709.4047**
1106.4642	10	A	11	1302.7746	651.8912
1219.5482	11	L	10	1231.7375	**616.3727**
1375.6745	12	K	9	1118.6534	559.8306
1504.7171	13	E	8	962.5271	**481.7675**
1605.7648	14	T	7	833.4845	**417.2462**
1692.7968	15	S	6	**732.4368**	366.7223
1779.8289	16	S	5	645.4048	323.2063
1878.8973	17	V	4	558.3728	279.6903
2035.0236	18	K	3	459.3044	**230.1561**
2163.0822	19	Q	2	303.1781	152.0930
	20	R	1	175.1195	88.0637

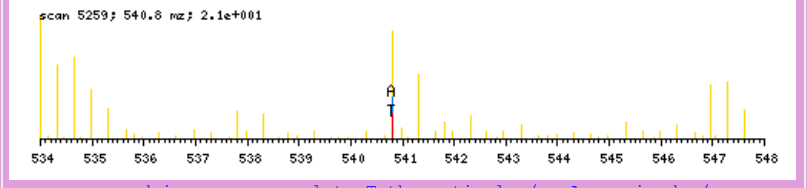
N-term:+29.04 K(12):+156.13
K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DTGILDSIGR, MH+ 1080.6113, m/z 540.8093
H_OS_G30_P160811_220811-s1.05260.05260.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



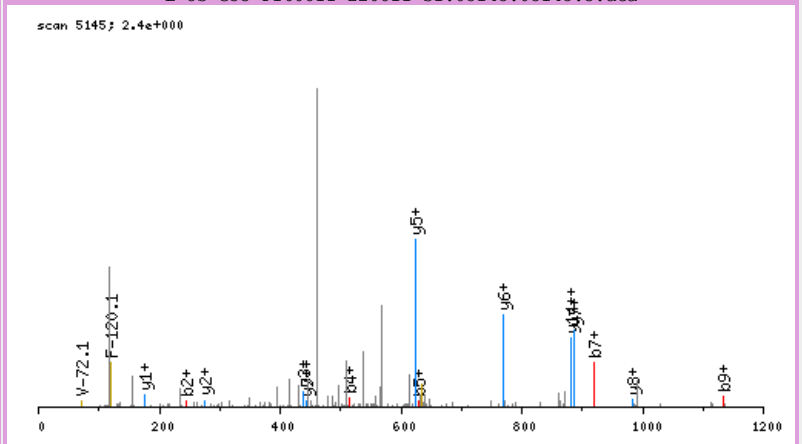
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
251.1455	2	T	9	931.5213	466.2645
308.1670	3	G	8	830.4736	415.7407
421.2510	4	I	7	773.4521	387.2300
534.3351	5	L	6	660.3681	330.6879
649.3621	6	D	5	547.2840	274.1459
736.3941	7	S	4	432.2571	216.6324
849.4781	8	I	3	345.2250	173.1164
906.4996	9	G	2	232.1410	116.5744
	10	R	1	175.1195	88.0637

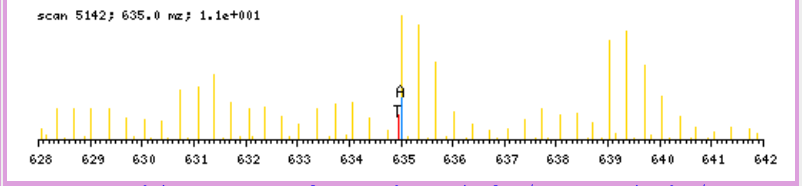
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DTNKDCEVDFGEYVR, MH+ 1902.8543, m/z 634.9563
L OS G33 P160811 220811-s1.05145.05145.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
245.1137	2	T	14	1759.7961	**880.4020**
359.1566	3	N	13	1658.7484	829.8781
515.2829	4	K	12	1544.7055	772.8567
630.3099	5	D	11	1388.5792	694.7935
790.3405	6	C	10	1273.5523	637.2800
919.3831	7	E	9	1113.5217	557.2647
1018.4515	8	V	8	**984.4791**	492.7434
1133.4784	9	D	7	**885.4107**	**443.2092**
1280.5469	10	F	6	**770.3837**	385.6958
1337.5683	11	G	5	**623.3153**	312.1616
1466.6109	12	E	4	566.2938	283.6508
1629.6742	13	Y	3	**437.2512**	219.1295
1728.7427	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

N-term:+29.04 K(4):+156.13
C(6):+160.03

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

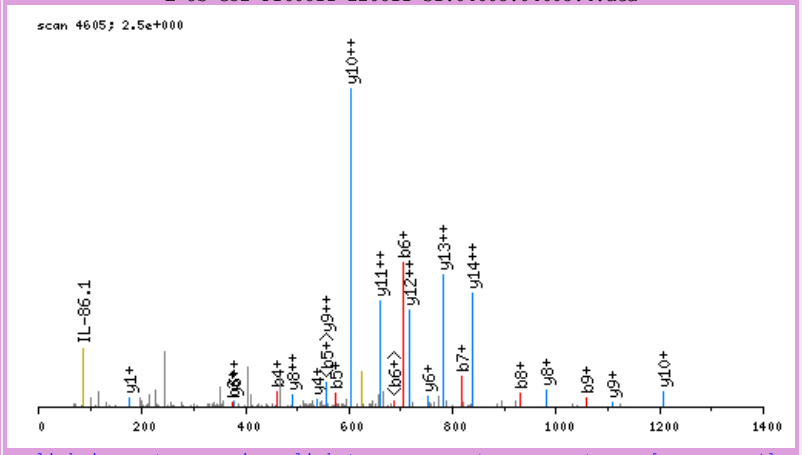
z [+] [2+] [3+]

hide H_2O/NH_3

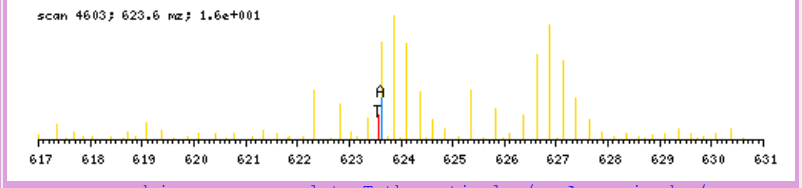
zoom 112-122

GO

DTQSNELIEINPQTEGKVYTR, MH+ 2491.2680, m/z 623.5725
L OS G32 P160811 220811-s1.04605.04605.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



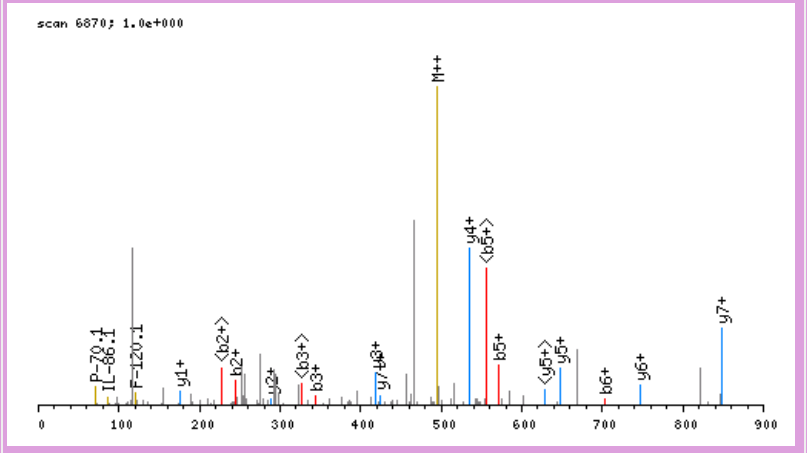
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	21		
245.1137	2	T	20	2348.2098	1174.6088
373.1723	3	Q	19	2247.1621	1124.0850
460.2043	4	S	18	2119.1036	1060.0557
574.2473	5	N	17	2032.0715	1016.5397
703.2898	6	E	16	1918.0286	959.5182
816.3739	7	L	15	1788.9860	894.9969
929.4580	8	I	14	1675.9019	**838.4549**
1058.5006	9	E	13	1562.8179	**781.9129**
1171.5846	10	I	12	1433.7753	**717.3916**
1285.6276	11	N	11	1320.6912	**660.8495**
1382.6803	12	P	10	**1206.6483**	**603.8281**
1510.7389	13	Q	9	**1109.5955**	**555.3017**
1611.7866	14	T	8	**981.5370**	**491.2724**
1740.8292	15	E	7	880.4893	440.7486
1797.8506	16	G	6	**751.4467**	**376.2273**
1953.9769	17	K	5	694.4252	347.7165
2053.0454	18	V	4	**538.2989**	269.6534
2216.1087	19	Y	3	439.2305	220.1192
2317.1564	20	T	2	276.1672	138.5875
	21	R	1	**175.1195**	88.0637

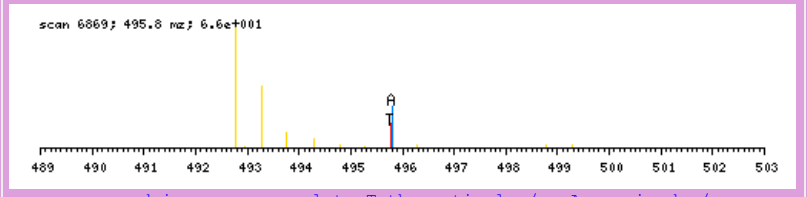
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DTVLDMLR, MH+ 990.5294, m/z 495.7683
L OS G30 P160811 220811-s1.06870.06870.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



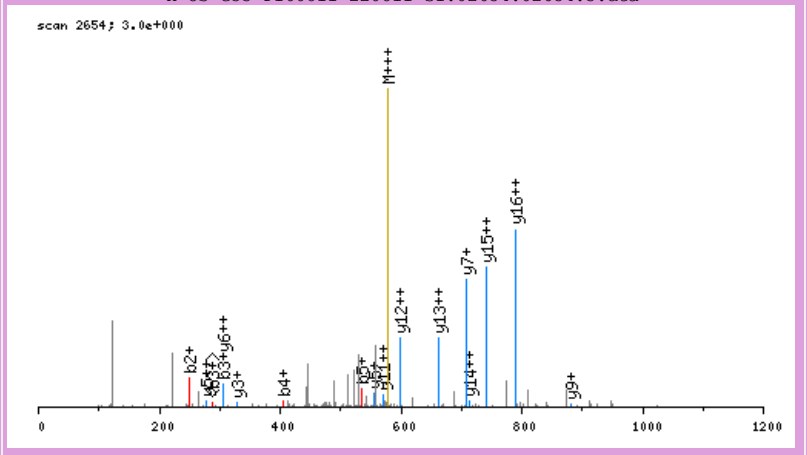
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	8		
245.1137	2	T	7	847.4711	424.2395
344.1821	3	V	6	746.4235	373.7156
457.2662	4	L	5	647.3551	324.1814
572.2931	5	D	4	534.2710	267.6394
703.3336	6	M	3	419.2440	210.1259
816.4177	7	L	2	288.2036	144.6057
	8	R	1	175.1195	88.0637

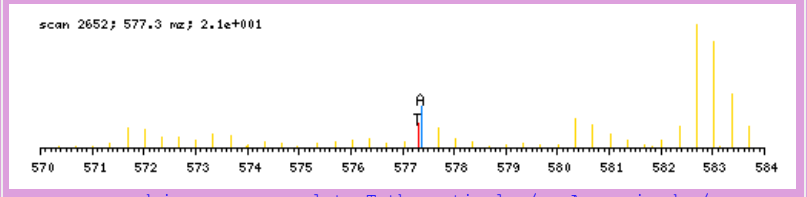
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DVGVEGPKGDPGPQGPR, MH+ 1729.9509, m/z 577.3218
H OS G33 P160811 220811-s1.02654.02654.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



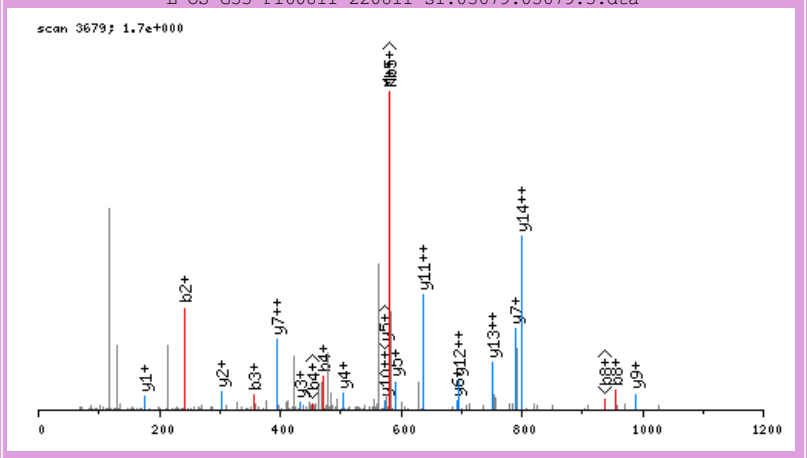
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	17		
249.1663	2	V	16	1580.8609	790.9344
306.1877	3	G	15	1481.7925	741.4002
405.2561	4	V	14	1424.7710	712.8894
534.2987	5	E	13	1325.7026	663.3552
591.3202	6	G	12	1196.6600	598.8339
688.3730	7	P	11	1139.6386	570.3232
850.5311	8	K	10	1042.5858	521.7968
907.5525	9	G	9	880.4277	440.7178
1022.5795	10	D	8	823.4062	412.2070
1119.6322	11	P	7	708.3793	354.6936
1176.6537	12	G	6	611.3265	306.1672
1273.7065	13	P	5	554.3051	277.6564
1401.7650	14	Q	4	457.2523	229.1301
1458.7865	15	G	3	329.1937	165.1008
1555.8393	16	P	2	272.1723	136.5900
	17	R	1	175.1195	88.0637

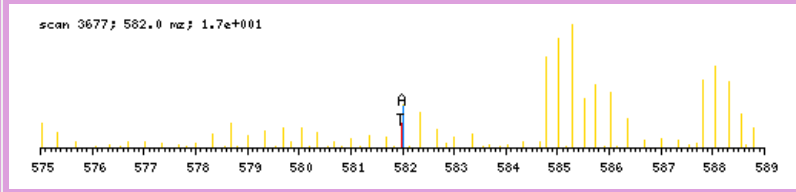
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DVIDQKSLPTSAEER, MH+ 1743.9129, m/z 581.9758
L OS G33 P160811 220811-s1.03679.03679.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



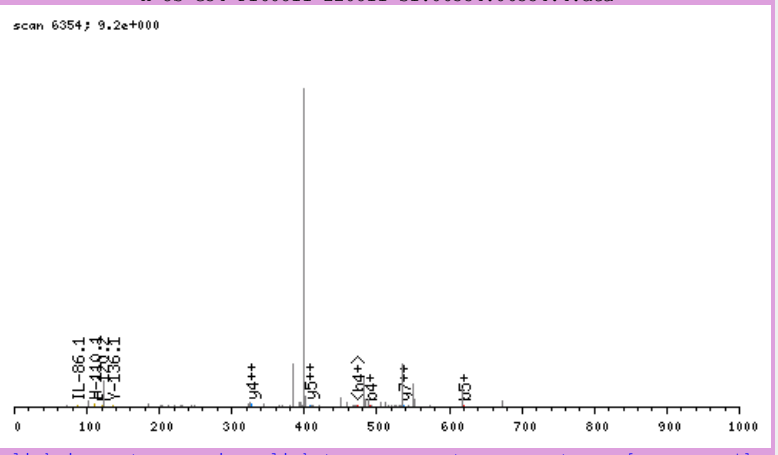
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
243.1345	2	V	14	1600.8547	**800.9312**
356.2185	3	I	13	1501.7862	**751.3970**
471.2455	4	D	12	1388.7022	**694.8550**
599.3040	5	Q	11	1273.6752	**637.3415**
755.4303	6	K	10	1145.6167	**573.3122**
842.4624	7	S	9	**989.4904**	495.2491
955.5464	8	L	8	902.4583	451.7331
1052.5992	9	P	7	**789.3743**	**395.1910**
1153.6469	10	T	6	**692.3215**	346.6647
1240.6789	11	S	5	**591.2738**	296.1408
1311.7160	12	A	4	**504.2418**	252.6248
1440.7586	13	E	3	**433.2047**	217.1063
1569.8012	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

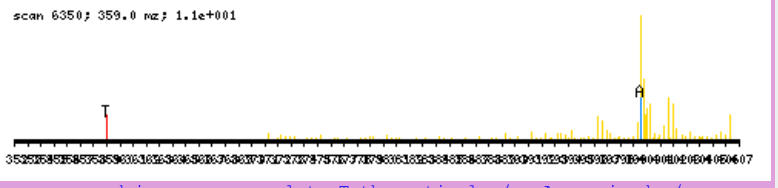
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DVIEEYFKCK, MH+ 1432.8246, m/z 358.9616
H OS G34 P160811 220811-s1.06354.06354.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



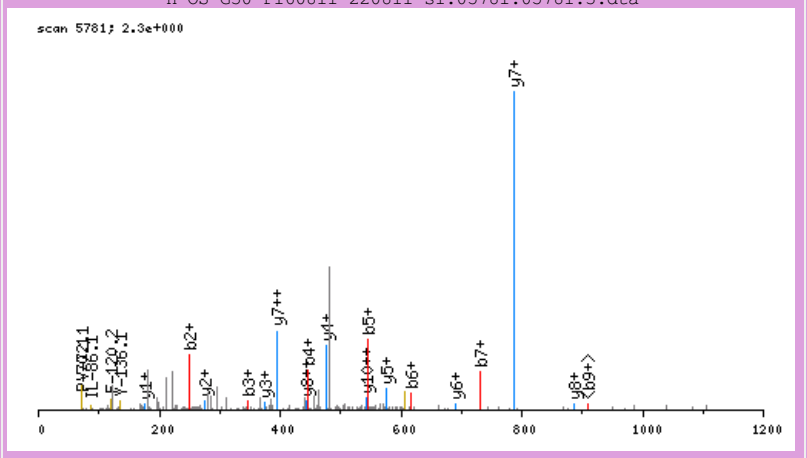
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
249.1663	2	V	9	1283.7346	642.3712
362.2503	3	I	8	1184.6662	592.8370
491.2929	4	E	7	1071.5821	**536.2950**
620.3355	5	E	6	942.5395	471.7737
783.3988	6	Y	5	813.4969	**407.2524**
930.4672	7	F	4	650.4336	**325.7207**
1092.6253	8	K	3	503.3652	252.1865
1252.6559	9	C	2	341.2071	171.1075
	10	K	1	181.1765	91.0922

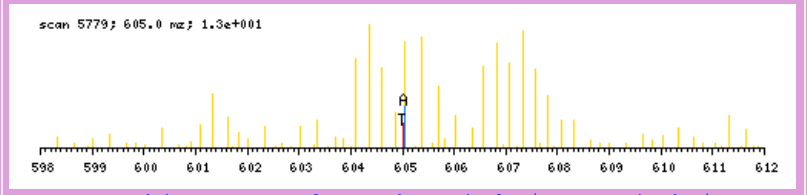
N-term:+35.07 K(8):+162.16
C(9):+160.03 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DVPVVADPTVPNVTVTR, MH+ 1813.0283, m/z 605.0143
H OS G30 P160811 220811-s1.05781.05781.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



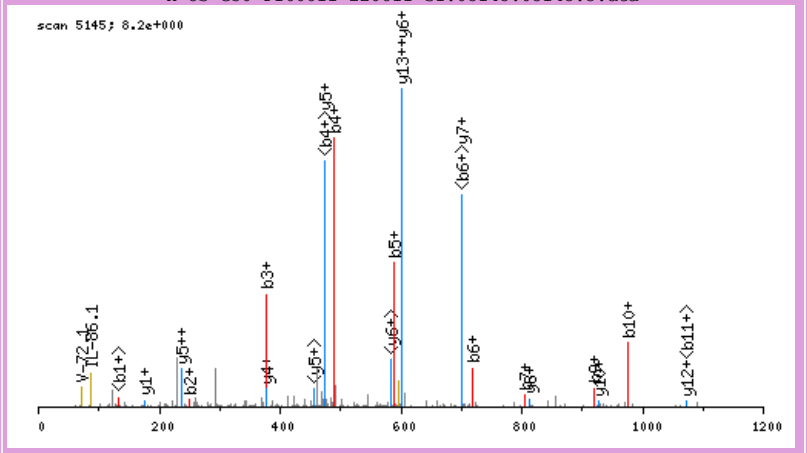
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	17		
249.1663	2	V	16	1663.9383	832.4731
346.2190	3	P	15	1564.8699	782.9389
445.2874	4	V	14	1467.8171	734.4125
544.3558	5	V	13	1368.7487	684.8783
615.3930	6	A	12	1269.6803	635.3441
730.4199	7	D	11	1198.6432	599.8255
827.4727	8	P	10	1083.6162	**542.3120**
928.5203	9	T	9	986.5635	493.7856
1027.5888	10	V	8	**885.5158**	**443.2618**
1124.6415	11	P	7	**786.4474**	**393.7276**
1238.6845	12	N	6	**689.3946**	345.2012
1337.7529	13	V	5	**575.3517**	288.1798
1438.8005	14	T	4	**476.2833**	238.6455
1537.8690	15	V	3	**375.2356**	188.1217
1638.9166	16	T	2	**276.1672**	138.5875
	17	R	1	**175.1195**	88.0637

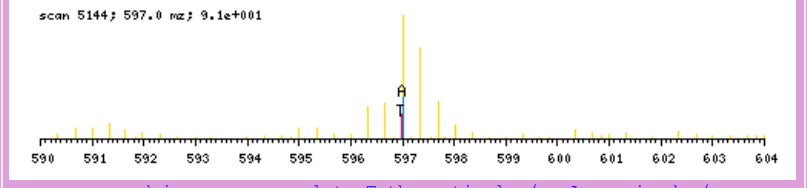
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DVQLVESGGGLVQPGGSR, MH+ 1788.9668, m/z 596.9938
H OS G30 P160811 220811-s1.05145.05145.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	18		
249.1663	2	V	17	1639.8768	820.4423
377.2248	3	Q	16	1540.8083	770.9081
490.3089	4	L	15	1412.7498	706.8788
589.3773	5	V	14	1299.6657	650.3368
718.4199	6	E	13	1200.5973	**600.8026**
805.4519	7	S	12	**1071.5547**	536.2813
862.4734	8	G	11	984.5227	492.7652
919.4949	9	G	10	**927.5012**	464.2545
976.5163	10	G	9	870.4797	435.7438
1089.6004	11	L	8	**813.4583**	407.2331
1188.6688	12	V	7	**700.3742**	350.6910
1316.7274	13	Q	6	**601.3058**	301.1568
1413.7801	14	P	5	**473.2472**	**237.1275**
1470.8016	15	G	4	**376.1945**	188.6011
1527.8231	16	G	3	319.1730	160.0904
1614.8551	17	S	2	262.1515	131.5797
	18	R	1	**175.1195**	88.0637

N-term:+35.07

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [ ]+ [ ]2+ [ ]3+

b [x]+ [ ]2+ [ ]3+

c [ ]+ [ ]2+ [ ]3+

x [ ]+ [ ]2+ [ ]3+

y [x]+ [x]2+ [ ]3+

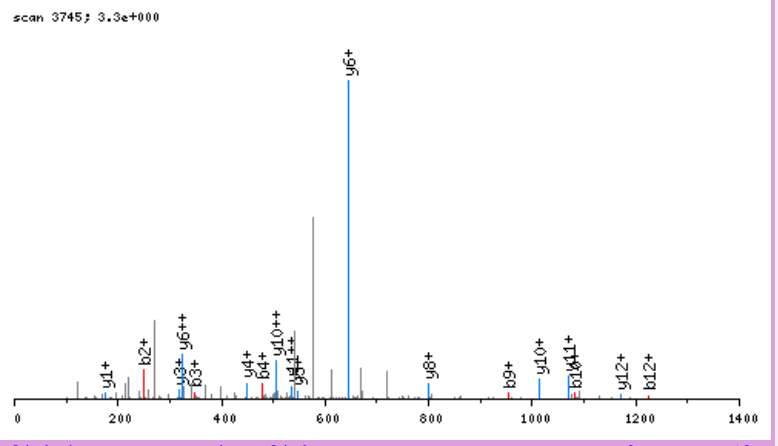
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

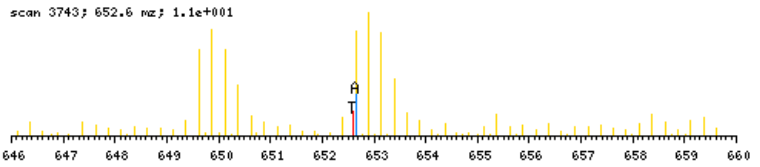
zoom 112-122 [ ]

GO

DVVEGEKGAEAANVTGPDGVPVEGSR, MH+ 2607.3538, m/z 652.5939
H OS G32 P160811 220811-s1.03745.03745.4.dta



click image to zoom in; click top corners to zoom out [precursor]



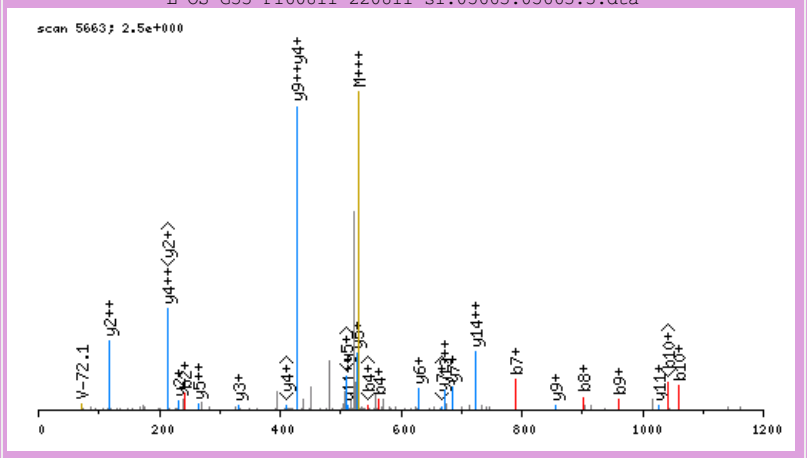
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	26		
249.1663	2	V	25	2458.2638	1229.6358
348.2347	3	V	24	2359.1954	1180.1016
477.2773	4	E	23	2260.1270	1130.5674
534.2987	5	G	22	2131.0844	1066.0461
663.3413	6	E	21	2074.0629	1037.5354
825.4994	7	K	20	1945.0203	973.0141
882.5209	8	G	19	1782.8622	891.9350
953.5580	9	A	18	1725.8408	863.4243
1082.6006	10	E	17	1654.8037	827.9057
1153.6377	11	A	16	1525.7611	763.3844
1224.6748	12	A	15	1454.7239	727.8659
1338.7177	13	N	14	1383.6868	692.3473
1437.7862	14	V	13	1269.6439	635.3259
1538.8338	15	T	12	**1170.5755**	585.7917
1595.8553	16	G	11	**1069.5278**	**535.2678**
1692.9081	17	P	10	**1012.5063**	**506.7571**
1807.9350	18	D	9	915.4536	458.2307
1864.9565	19	G	8	**800.4266**	400.7172
1964.0249	20	V	7	743.4052	372.2065
2061.0777	21	P	6	**644.3368**	**322.6723**
2160.1461	22	V	5	**547.2840**	274.1459
2289.1887	23	E	4	**448.2156**	224.6117
2346.2101	24	G	3	**319.1730**	160.0904
2433.2422	25	S	2	262.1515	131.5797
	26	R	1	**175.1195**	88.0637

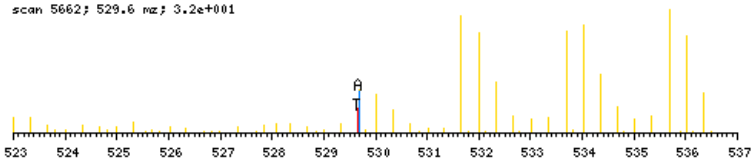
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

DVYKIGGIGTVPVGR, MH+ 1586.9270, m/z 529.6472
L OS G33 P160811 220811-s1.05663.05663.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

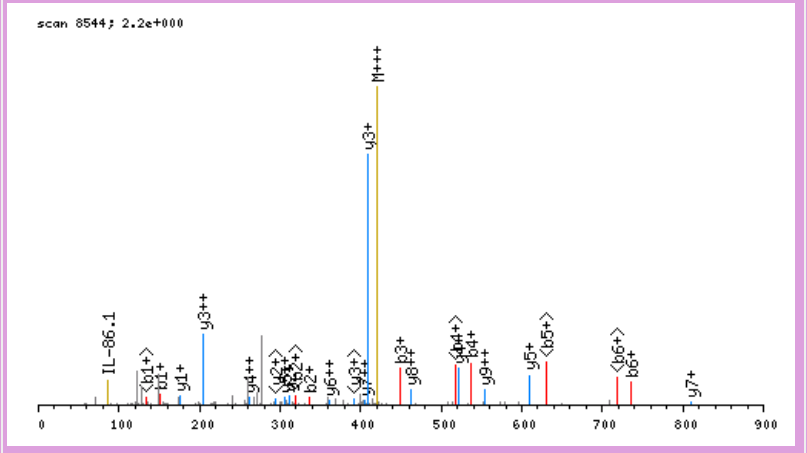


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

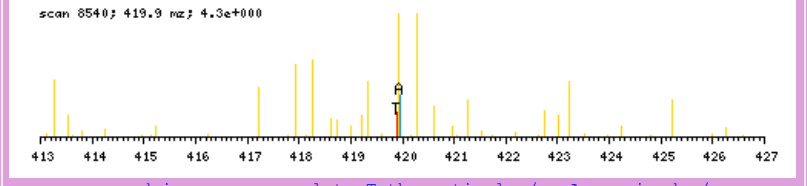
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
243.1345	2	V	14	1443.8688	**722.4383**
406.1978	3	Y	13	1344.8004	**672.9041**
562.3241	4	K	12	1181.7371	591.3724
675.4081	5	I	11	**1025.6108**	**513.3093**
732.4296	6	G	10	912.5267	456.7673
789.4511	7	G	9	**855.5052**	**428.2565**
902.5351	8	I	8	798.4838	399.7458
959.5566	9	G	7	**685.3997**	343.2038
1060.6043	10	T	6	**628.3782**	314.6930
1159.6727	11	V	5	**527.3306**	**264.1692**
1256.7255	12	P	4	**428.2621**	**214.6350**
1355.7939	13	V	3	**331.2094**	166.1086
1412.8153	14	G	2	**232.1410**	**116.5744**
	15	R	1	175.1195	88.0637

N-term:+29.04 K(4):+156.13

DWLSISLPHR, MH+ 1257.7168, m/z 419.9104
H OS G34 P160811 220811-s1.08544.08544.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

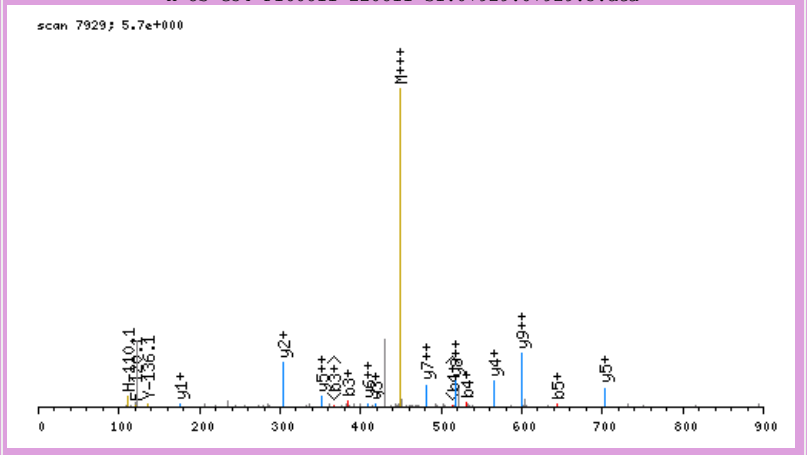
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
336.1772	2	W	9	1108.6267	554.8173
449.2612	3	L	8	922.5474	461.7776
536.2932	4	S	7	809.4634	405.2356
649.3773	5	I	6	722.4313	361.7196
736.4093	6	S	5	609.3473	305.1775
849.4934	7	L	4	522.3152	261.6615
946.5462	8	P	3	409.2312	205.1195
1083.6051	9	H	2	312.1784	156.5931
	10	R	1	175.1195	88.0637

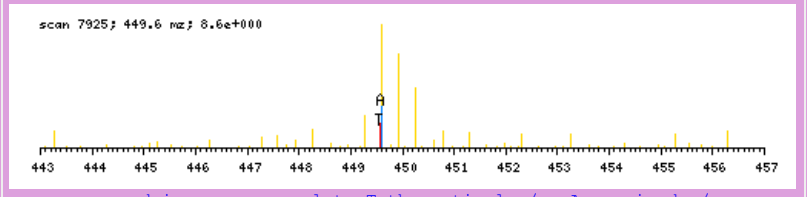
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

DYAFIHFDER, MH+ 1346.6593, m/z 449.5580
H OS G34 P160811 220811-s1.07929.07929.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



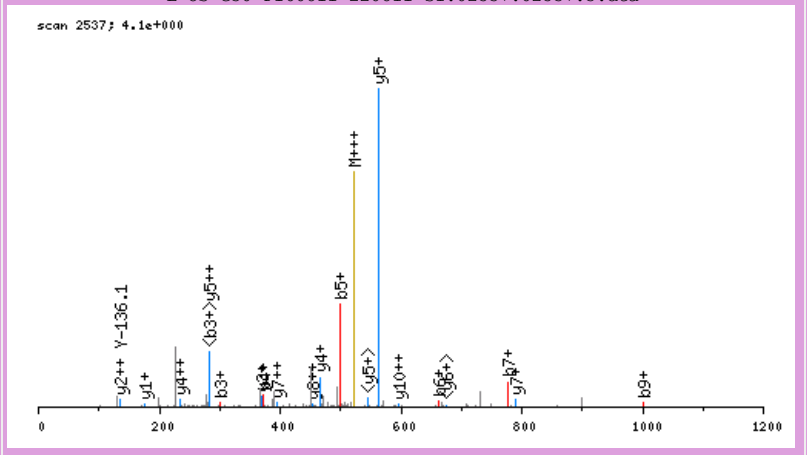
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	10		
313.1612	2	Y	9	1197.5693	**599.2886**
384.1983	3	A	8	1034.5060	**517.7569**
531.2667	4	F	7	963.4688	**482.2383**
644.3508	5	I	6	816.4004	**408.7041**
781.4097	6	H	5	**703.3164**	**352.1621**
928.4781	7	F	4	**566.2575**	283.6326
1043.5050	8	D	3	**419.1890**	210.0984
1172.5476	9	E	2	**304.1621**	152.5850
	10	R	1	**175.1195**	88.0637

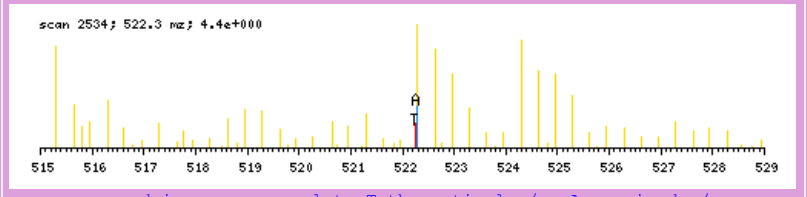
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EAAAQYNPEPPPPR, MH+ 1564.7760, m/z 522.2635
L OS G30 P160811 220811-s1.02537.02537.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



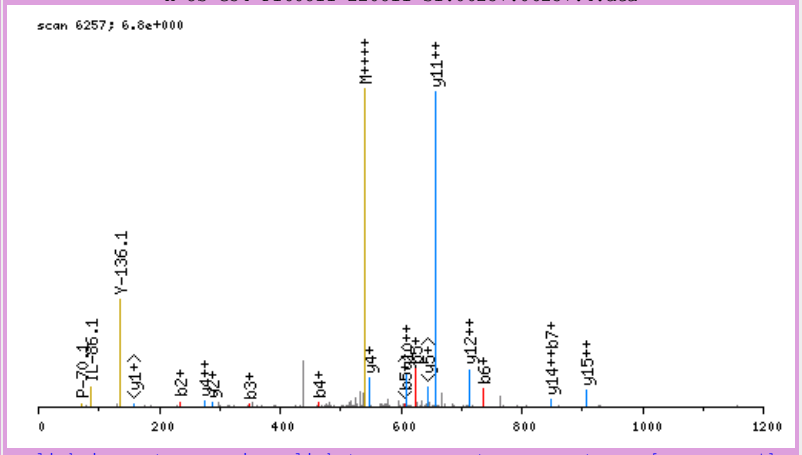
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
229.1188	2	A	13	1407.7021	704.3550
300.1559	3	A	12	1336.6650	668.8364
371.1930	4	A	11	1265.6279	633.3178
499.2516	5	Q	10	1194.5907	**597.7993**
662.3149	6	Y	9	1066.5322	533.7700
776.3579	7	N	8	903.4688	**452.2383**
873.4106	8	P	7	**789.4259**	**395.2169**
1002.4532	9	E	6	692.3731	346.6905
1099.5060	10	P	5	**563.3306**	**282.1692**
1196.5588	11	P	4	**466.2778**	**233.6428**
1293.6115	12	P	3	**369.2250**	185.1164
1390.6643	13	P	2	272.1723	**136.5900**
	14	R	1	**175.1195**	88.0637

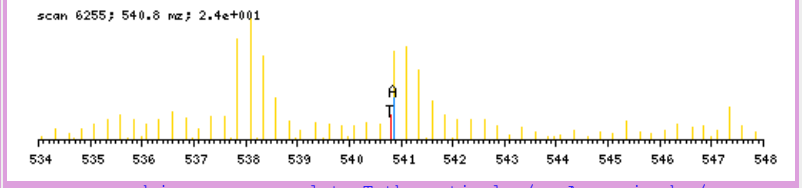
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EALDCILPPTRPTDKPLR, MH+ 2160.2486, m/z 540.8176
H OS G34 P160811 220811-s1.06257.06257.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



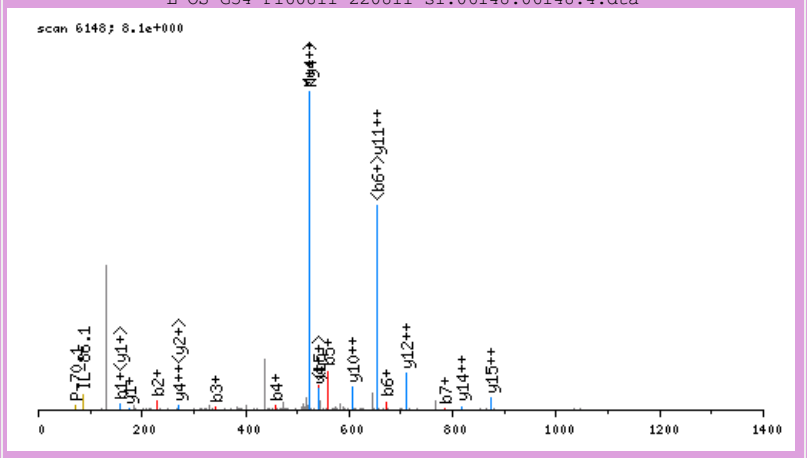
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
235.1506	2	A	17	1997.1430	999.0754
348.2347	3	L	16	1926.1059	963.5568
463.2616	4	D	15	1813.0218	**907.0148**
623.2922	5	C	14	1697.9949	**849.5013**
736.3763	6	I	13	1537.9643	769.4860
849.4603	7	L	12	1424.8802	**712.9440**
946.5131	8	P	11	1311.7961	**656.4020**
1043.5659	9	P	10	1214.7434	**607.8756**
1144.6135	10	T	9	1117.6906	559.3492
1300.7147	11	R	8	1016.6429	508.8254
1397.7674	12	P	7	860.5418	430.7748
1498.8151	13	T	6	763.4891	382.2484
1613.8420	14	D	5	662.4414	331.7246
1776.0001	15	K	4	**547.4144**	**274.2111**
1873.0529	16	P	3	385.2563	193.1321
1986.1370	17	L	2	**288.2036**	144.6057
	18	R	1	175.1195	88.0637

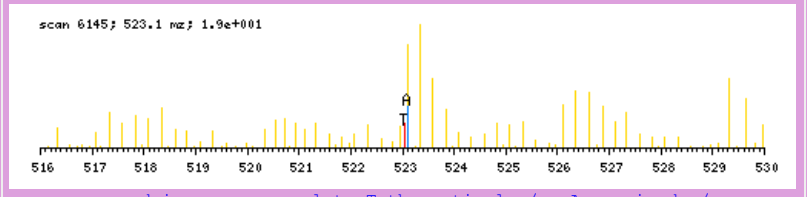
N-term:+35.07 C(5):+160.03
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EALDTILPPTRPTDKPLR, MH+ 2089.2021, m/z 523.0560
L OS G34 P160811 220811-s1.06148.06148.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



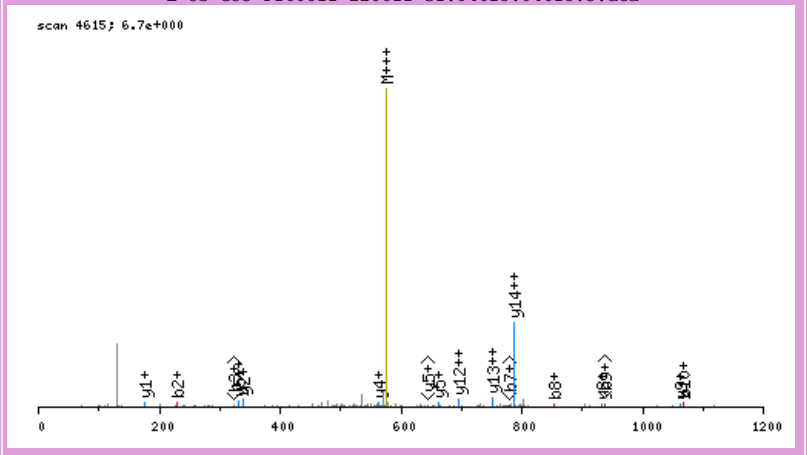
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
229.1188	2	A	17	1932.1283	966.5680
342.2029	3	L	16	1861.0911	931.0495
457.2298	4	D	15	1748.0071	874.5075
558.2775	5	T	14	1632.9801	816.9940
671.3616	6	I	13	1531.9325	766.4701
784.4456	7	L	12	1418.8484	709.9281
881.4984	8	P	11	1305.7643	653.3861
978.5511	9	P	10	1208.7116	604.8597
1079.5988	10	T	9	1111.6588	556.3333
1235.6999	11	R	8	1010.6111	505.8095
1332.7527	12	P	7	854.5100	427.7589
1433.8004	13	T	6	757.4573	379.2325
1548.8273	14	D	5	656.4096	328.7087
1704.9536	15	K	4	541.3826	271.1952
1802.0064	16	P	3	385.2563	193.1321
1915.0905	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

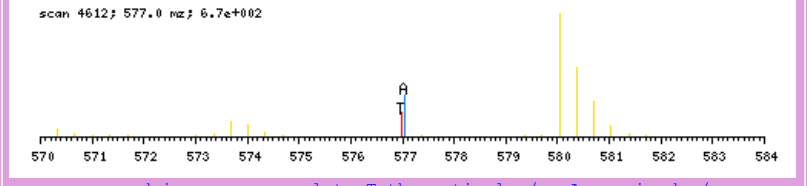
N-term:+29.04 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EALGIKEGTIPPEYR, MH+ 1728.9536, m/z 576.9894
L OS G33 P160811 220811-s1.04615.04615.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



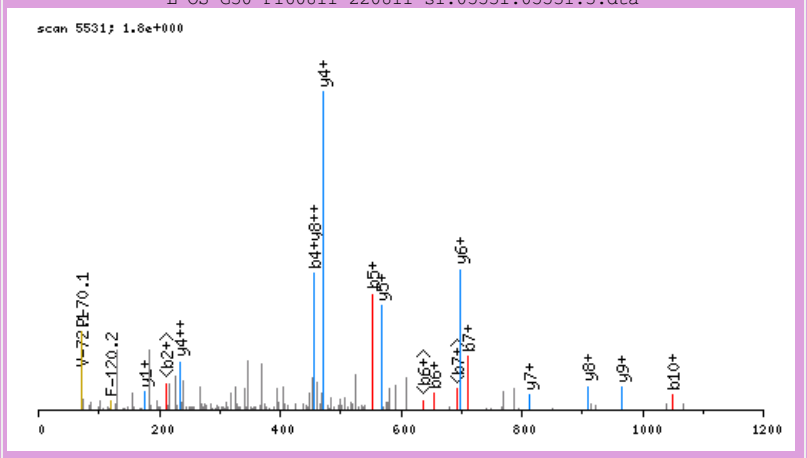
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
229.1188	2	A	14	1571.8798	786.4438
342.2029	3	L	13	1500.8426	750.9252
399.2243	4	G	12	1387.7586	694.3832
512.3084	5	I	11	1330.7371	665.8725
668.4347	6	K	10	1217.6530	609.3304
797.4773	7	E	9	1061.5267	531.2673
854.4988	8	G	8	932.4842	466.7460
955.5464	9	T	7	875.4627	438.2353
1068.6305	10	I	6	774.4150	387.7114
1165.6833	11	P	5	661.3310	331.1694
1262.7360	12	P	4	564.2782	282.6430
1391.7786	13	E	3	467.2254	234.1166
1554.8419	14	Y	2	338.1828	169.5953
	15	R	1	175.1195	88.0637

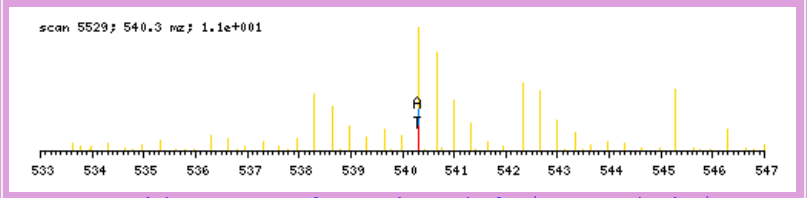
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EAPQVTGPIEVPVVR, MH+ 1618.9168, m/z 540.3105
L OS G30 P160811 220811-s1.05531.05531.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



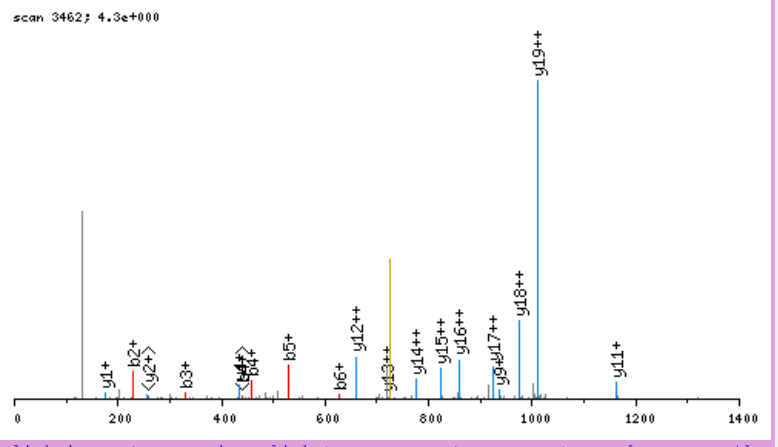
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
229.1188	2	A	14	1461.8429	731.4254
326.1716	3	P	13	1390.8058	695.9068
454.2301	4	Q	12	1293.7531	647.3804
553.2986	5	V	11	1165.6945	583.3512
654.3462	6	T	10	1066.6261	533.8169
711.3677	7	G	9	**965.5784**	483.2931
808.4205	8	P	8	**908.5569**	**454.7824**
921.5045	9	I	7	**811.5042**	406.2560
1050.5471	10	E	6	**698.4201**	349.7140
1149.6155	11	V	5	**569.3775**	285.1927
1246.6683	12	P	4	**470.3091**	**235.6585**
1345.7367	13	V	3	373.2563	187.1321
1444.8051	14	V	2	274.1879	137.5979
	15	R	1	**175.1195**	88.0637

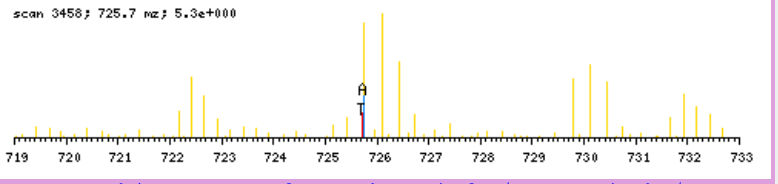
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EATQAVLDKPETLSSDASTR, MH+ 2175.1145, m/z 725.7097
L OS G32 P160811 220811-s1.03462.03462.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



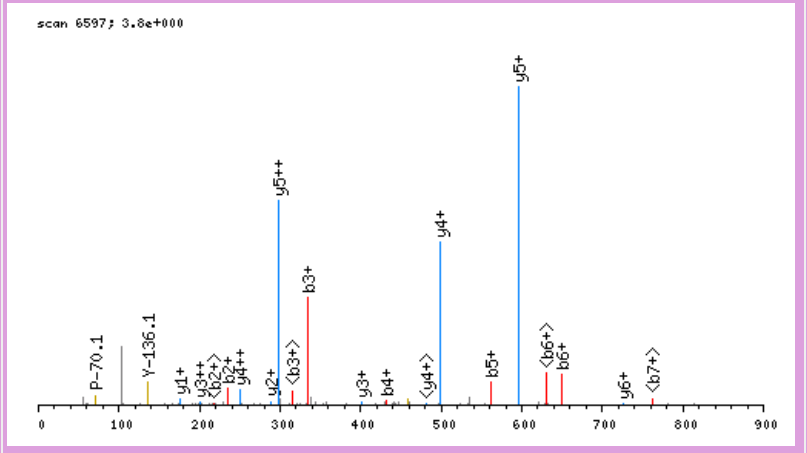
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
229.1188	2	A	19	2018.0406	1009.5242
330.1665	3	T	18	1947.0035	974.0057
458.2251	4	Q	17	1845.9558	923.4818
529.2622	5	A	16	1717.8973	859.4525
628.3306	6	V	15	1646.8601	823.9340
741.4147	7	L	14	1547.7917	774.3998
856.4416	8	D	13	1434.7077	717.8577
1012.5679	9	K	12	1319.6807	660.3443
1109.6207	10	P	11	1163.5544	582.2811
1238.6633	11	E	10	1066.5017	533.7547
1339.7109	12	T	9	937.4591	469.2334
1452.7950	13	L	8	836.4114	418.7096
1539.8270	14	S	7	723.3273	362.1676
1626.8591	15	S	6	636.2953	318.6516
1741.8860	16	D	5	549.2633	275.1355
1812.9231	17	A	4	434.2363	217.6221
1899.9551	18	S	3	363.1992	182.1035
2001.0028	19	T	2	276.1672	138.5875
	20	R	1	175.1195	88.0637

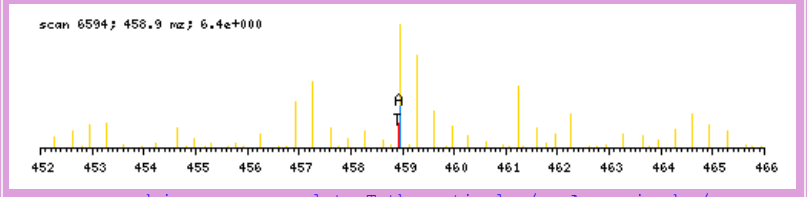
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EAVPMSMPPILR, MH+ 1374.7701, m/z 458.9282
H OS G30 P160811 220811-s1.06597.06597.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



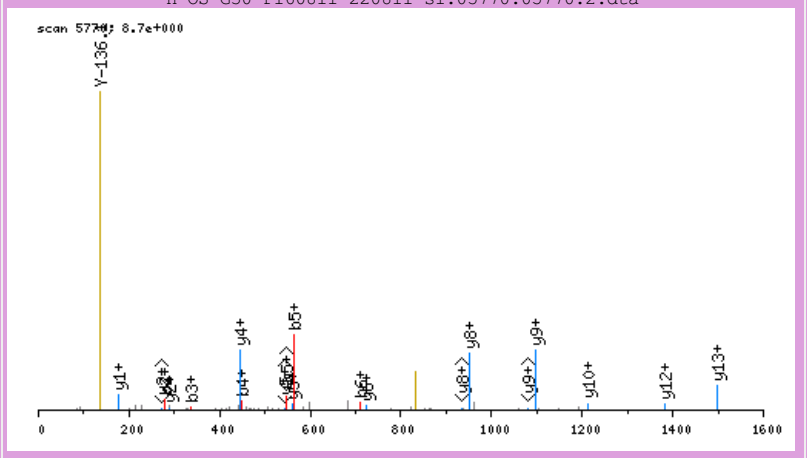
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	12		
235.1506	2	A	11	1211.6644	606.3361
334.2190	3	V	10	1140.6273	570.8176
431.2718	4	P	9	1041.5589	521.2834
562.3123	5	M	8	944.5062	472.7570
649.3443	6	S	7	813.4657	407.2367
780.3848	7	M	6	**726.4336**	363.7207
877.4375	8	P	5	**595.3932**	**298.2005**
974.4903	9	P	4	**498.3404**	**249.6741**
1087.5744	10	I	3	**401.2876**	**201.1477**
1200.6584	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

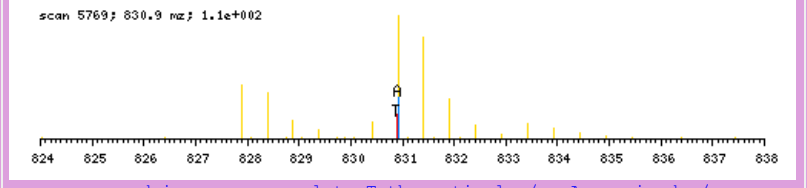
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDGLDFPEYDGVDR, MH+ 1660.7554, m/z 830.8814
H OS G30 P160811 220811-s1.05770.05770.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



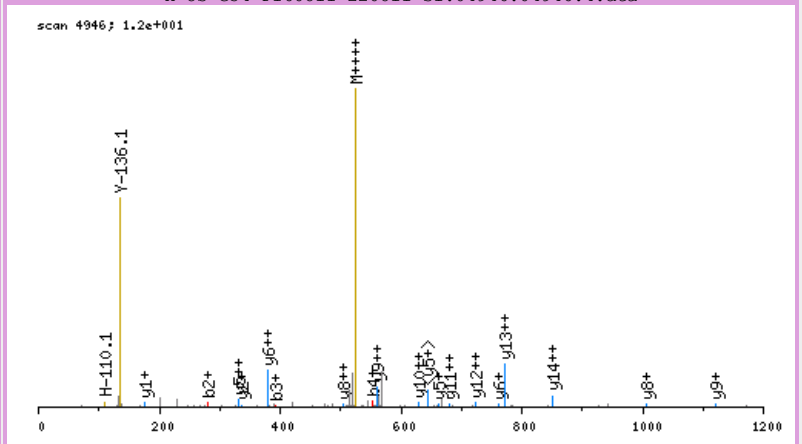
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
279.1404	2	D	13	1497.6498	749.3288
336.1619	3	G	12	1382.6228	691.8153
449.2460	4	L	11	1325.6014	663.3046
564.2729	5	D	10	1212.5173	606.7626
711.3413	6	F	9	1097.4904	549.2491
808.3941	7	P	8	950.4220	475.7149
937.4367	8	E	7	853.3692	427.1885
1100.5000	9	Y	6	724.3266	362.6672
1215.5269	10	D	5	561.2633	281.1355
1272.5484	11	G	4	446.2363	223.6221
1371.6168	12	V	3	389.2149	195.1113
1486.6438	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

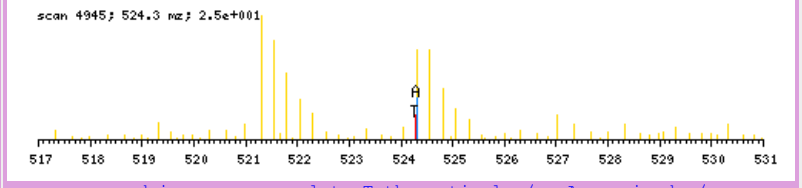
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDICPSTHNMDVPNIKR, MH+ 2094.0748, m/z 524.2742
H OS G34 P160811 220811-s1.04946.04946.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



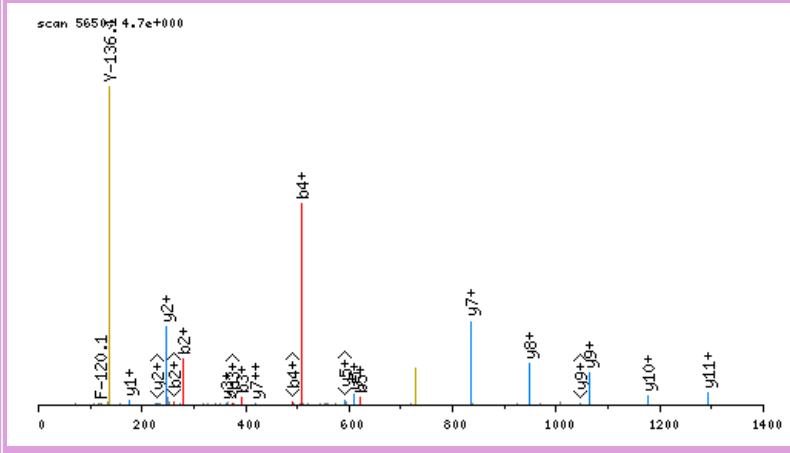
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	17		
279.1404	2	D	16	1930.9691	965.9885
392.2245	3	I	15	1815.9422	908.4750
552.2551	4	C	14	1702.8581	**851.9330**
649.3079	5	P	13	1542.8275	**771.9177**
736.3399	6	S	12	1445.7747	**723.3913**
837.3876	7	T	11	1358.7427	**679.8753**
974.4465	8	H	10	1257.6950	**629.3514**
1088.4894	9	N	9	**1120.6361**	**560.8220**
1219.5299	10	M	8	**1006.5932**	**503.8005**
1334.5568	11	D	7	875.5527	438.2803
1433.6253	12	V	6	**760.5258**	**380.7668**
1530.6780	13	P	5	**661.4574**	**331.2326**
1644.7209	14	N	4	564.4046	282.7062
1757.8050	15	I	3	450.3617	225.6847
1919.9631	16	K	2	**337.2776**	169.1427
	17	R	1	**175.1195**	88.0637

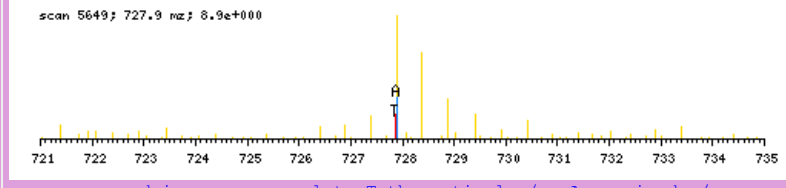
N-term:+35.07 C(4):+160.03
K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDIDLPETFDAR, MH+ 1454.7227, m/z 727.8650
H OS G30 P160811 220811-s1.05650.05650.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



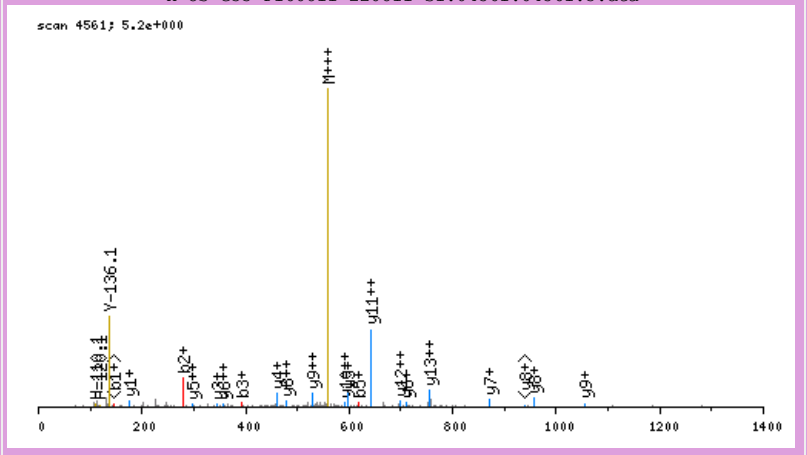
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	12		
279.1404	2	D	11	**1291.6170**	646.3124
392.2245	3	I	10	**1176.5901**	588.7990
507.2514	4	D	9	**1063.5060**	532.2569
620.3355	5	L	8	**948.4791**	474.7434
717.3883	6	P	7	**835.3950**	**418.2014**
846.4309	7	E	6	738.3422	369.6750
947.4785	8	T	5	**609.2997**	305.1537
1094.5470	9	F	4	508.2520	254.6299
1209.5739	10	D	3	**361.1836**	181.0957
1280.6110	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

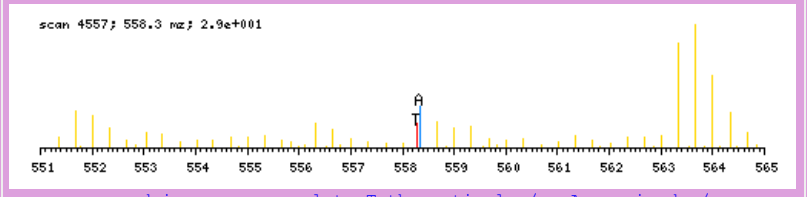
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDIPEVSCIHNGLR, MH+ 1672.8540, m/z 558.2895
H_OS_G33_P160811_220811-s1.04561.04561.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



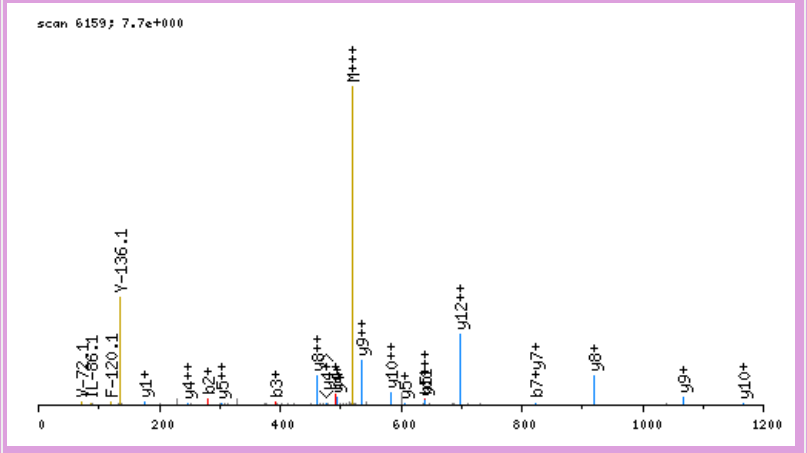
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
279.1404	2	D	13	1509.7483	**755.3781**
392.2245	3	I	12	1394.7214	**697.8646**
489.2773	4	P	11	1281.6373	**641.3226**
618.3199	5	E	10	1184.5846	**592.7962**
717.3883	6	V	9	**1055.5420**	**528.2749**
804.4203	7	S	8	**956.4736**	**478.7407**
964.4509	8	C	7	**869.4415**	435.2247
1077.5350	9	I	6	**709.4109**	**355.2094**
1214.5939	10	H	5	**596.3269**	**298.6673**
1328.6368	11	N	4	**459.2680**	230.1379
1385.6583	12	G	3	**345.2250**	173.1164
1498.7423	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

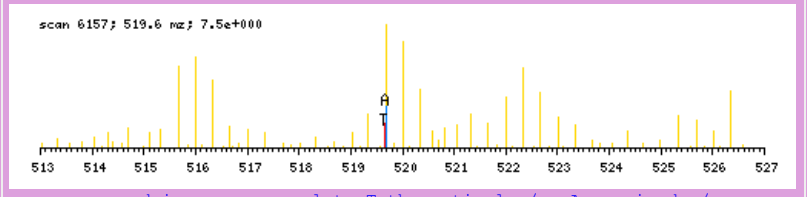
N-term:+35.07 C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDLVFPSEIVGKR, MH+ 1556.9324, m/z 519.6490
H OS G33 P160811 220811-s1.06159.06159.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
279.1404	2	D	12	1393.8268	697.4173
392.2245	3	L	11	1278.7998	639.9038
491.2929	4	V	10	1165.7158	583.3618
638.3613	5	F	9	1066.6473	533.8276
735.4141	6	P	8	919.5789	460.2934
822.4461	7	S	7	822.5262	411.7670
951.4887	8	E	6	735.4941	368.2510
1064.5728	9	I	5	606.4515	303.7297
1163.6412	10	V	4	493.3675	247.1877
1220.6627	11	G	3	394.2991	197.6534
1382.8208	12	K	2	337.2776	169.1427
	13	R	1	175.1195	88.0637

N-term:+35.07 K(12):+162.16

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

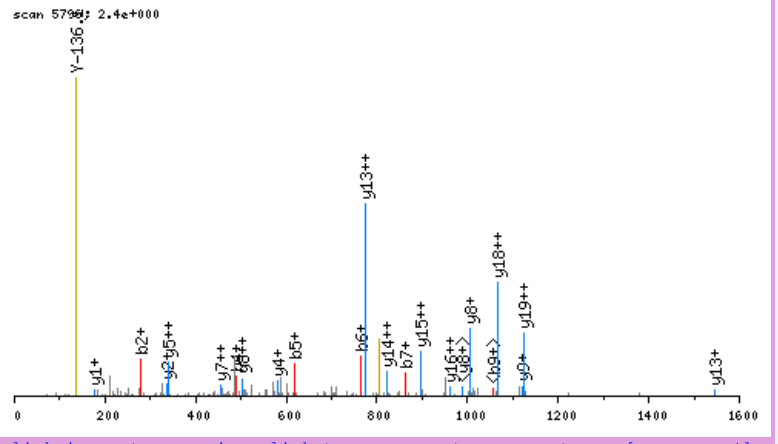
z [+] [2+] [3+]

hide H_2O/NH_3

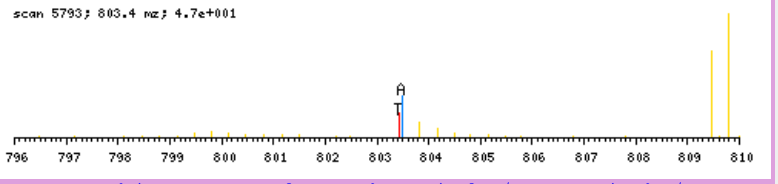
zoom 112-122

GO

EDPNQFVPLNTNPTEVLEKR, MH+ 2408.3098, m/z 803.4414
H OS G32 P160811 220811-s1.05796.05796.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



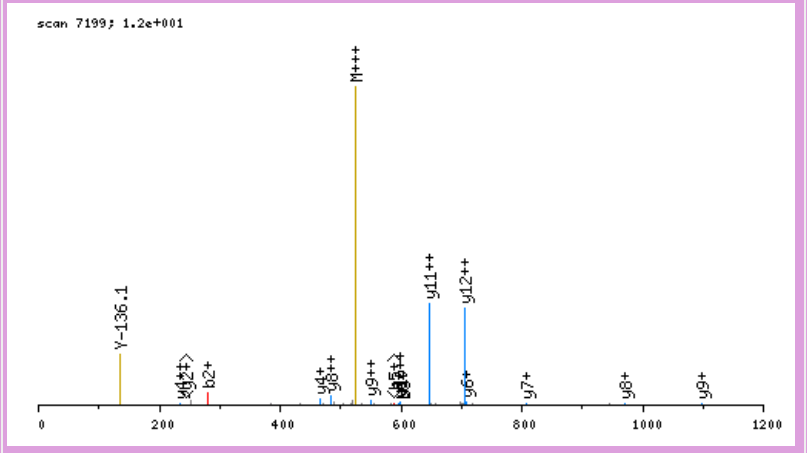
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	20		
279.1404	2	D	19	2245.2041	**1123.1060**
376.1932	3	P	18	2130.1772	**1065.5925**
490.2361	4	N	17	2033.1244	1017.0661
618.2947	5	Q	16	1919.0815	**960.0446**
765.3631	6	F	15	1791.0229	**896.0154**
864.4315	7	V	14	1643.9545	**822.4812**
961.4843	8	P	13	**1544.8861**	**772.9469**
1074.5684	9	L	12	1447.8333	724.4206
1188.6113	10	N	11	1334.7492	667.8785
1289.6590	11	T	10	1220.7063	610.8571
1403.7019	12	N	9	**1119.6586**	560.3332
1500.7547	13	P	8	**1005.6157**	**503.3118**
1601.8023	14	T	7	908.5629	**454.7854**
1730.8449	15	E	6	807.5153	404.2615
1829.9133	16	V	5	678.4727	**339.7402**
1942.9974	17	L	4	**579.4043**	290.2060
2072.0400	18	E	3	466.3202	233.6640
2234.1981	19	K	2	**337.2776**	169.1427
	20	R	1	**175.1195**	88.0637

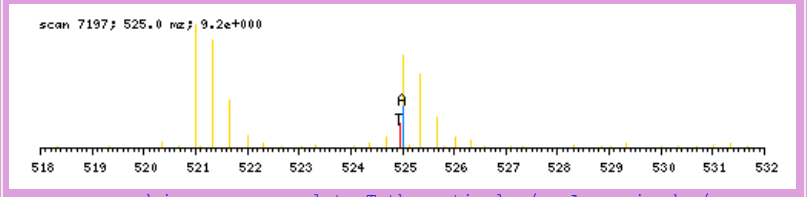
N-term:+35.07 K(19):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDPVEKVIEGFSR, MH+ 1572.8910, m/z 524.9685
H OS G33 P160811 220811-s1.07199.07199.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



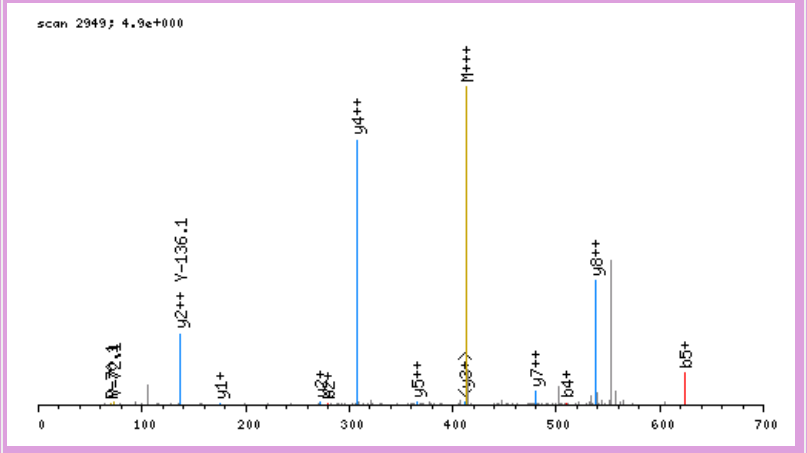
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
279.1404	2	D	12	1409.7853	**705.3966**
376.1932	3	P	11	1294.7583	**647.8831**
475.2616	4	V	10	1197.7056	**599.3567**
604.3042	5	E	9	**1098.6372**	**549.8225**
766.4623	6	K	8	**969.5946**	**485.3012**
865.5307	7	V	7	**807.4365**	404.2222
978.6148	8	I	6	**708.3681**	354.6879
1107.6574	9	E	5	**595.2840**	298.1459
1164.6788	10	G	4	**466.2414**	**233.6246**
1311.7473	11	F	3	409.2199	205.1139
1398.7793	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

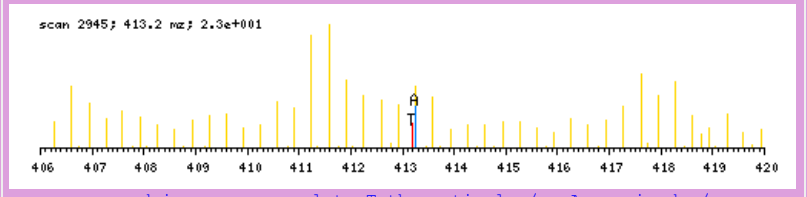
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDTEDWRPR, MH+ 1237.6025, m/z 413.2057
H OS G34 P160811 220811-s1.02949.02949.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



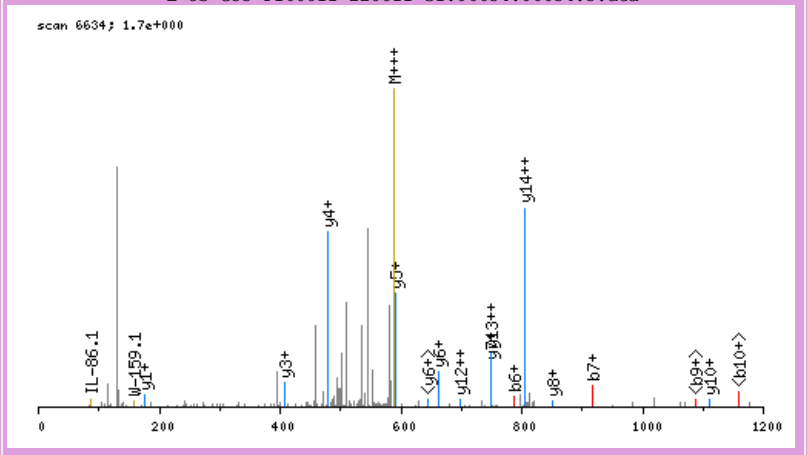
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	9		
279.1404	2	D	8	1074.4968	**537.7523**
380.1881	3	T	7	959.4699	**480.2389**
509.2307	4	E	6	858.4222	429.7150
624.2577	5	D	5	729.3796	**365.1937**
810.3370	6	W	4	614.3527	**307.6803**
966.4381	7	R	3	428.2734	214.6406
1063.4908	8	P	2	**272.1723**	**136.5900**
	9	R	1	**175.1195**	88.0637

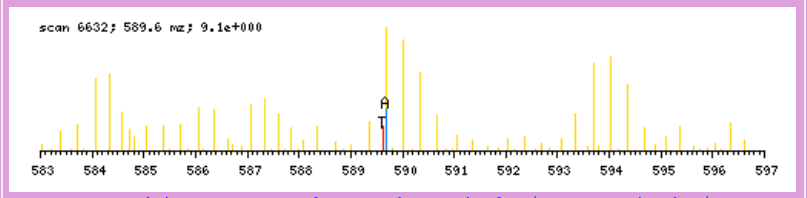
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDVKEEMTSALATMR, MH+ 1766.8669, m/z 589.6271
L OS G33 P160811 220811-s1.06634.06634.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



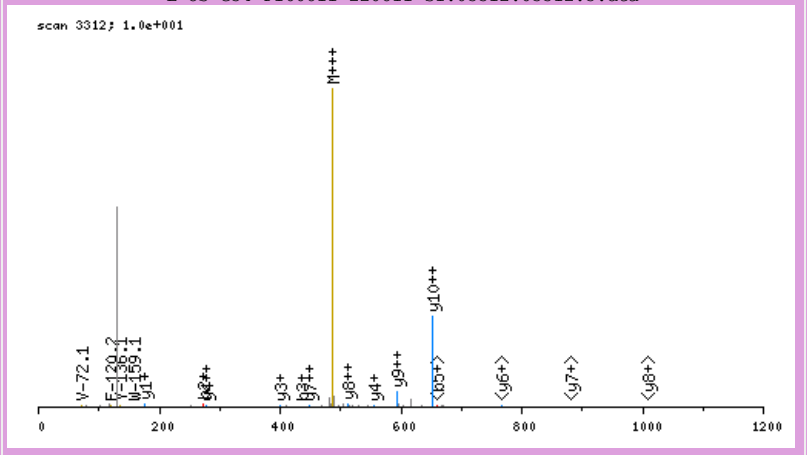
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
273.1086	2	D	14	1609.7930	**805.4004**
372.1771	3	V	13	1494.7660	**747.8869**
528.3034	4	K	12	1395.6976	**698.3527**
657.3459	5	E	11	1239.5713	620.2896
786.3885	6	E	10	**1110.5287**	555.7683
917.4290	7	M	9	981.4861	491.2470
1018.4767	8	T	8	**850.4457**	425.7267
1105.5087	9	S	7	**749.3980**	375.2029
1176.5458	10	A	6	**662.3660**	331.6869
1289.6299	11	L	5	**591.3288**	296.1683
1360.6670	12	A	4	**478.2448**	239.6263
1461.7147	13	T	3	**407.2077**	204.1077
1592.7552	14	M	2	306.1600	153.5839
	15	R	1	**175.1195**	88.0637

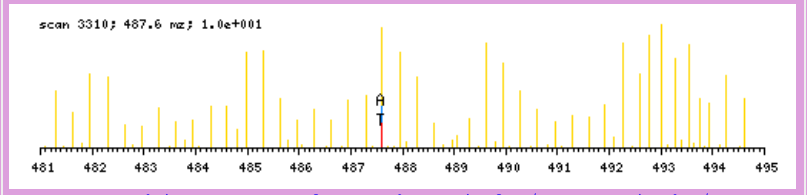
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDYQIVERPQR, MH+ 1460.7497, m/z 487.5881
L OS G34 P160811 220811-s1.03312.03312.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



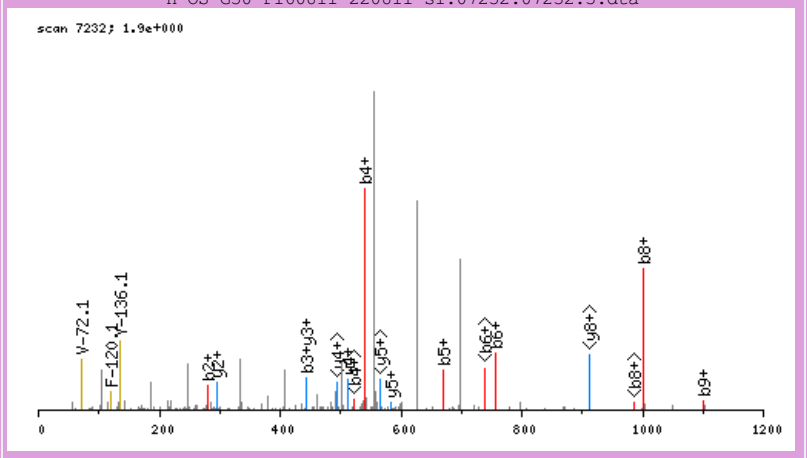
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
273.1086	2	D	10	1303.6759	**652.3418**
436.1720	3	Y	9	1188.6489	**594.8284**
564.2305	4	Q	8	1025.5856	**513.2967**
677.3146	5	I	7	897.5270	**449.2674**
776.3830	6	V	6	784.4430	392.7254
905.4256	7	E	5	685.3745	343.1912
1061.5267	8	R	4	**556.3320**	**278.6699**
1158.5795	9	P	3	**400.2308**	200.6193
1286.6381	10	Q	2	303.1781	152.0930
	11	R	1	**175.1195**	88.0637

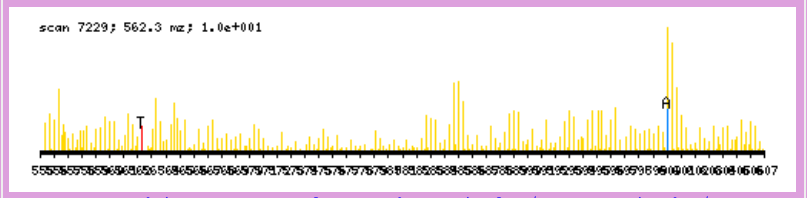
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EDYVQSMDVAAFNK, MH+ 1684.8529, m/z 562.2891
H OS G30 P160811 220811-s1.07232.07232.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



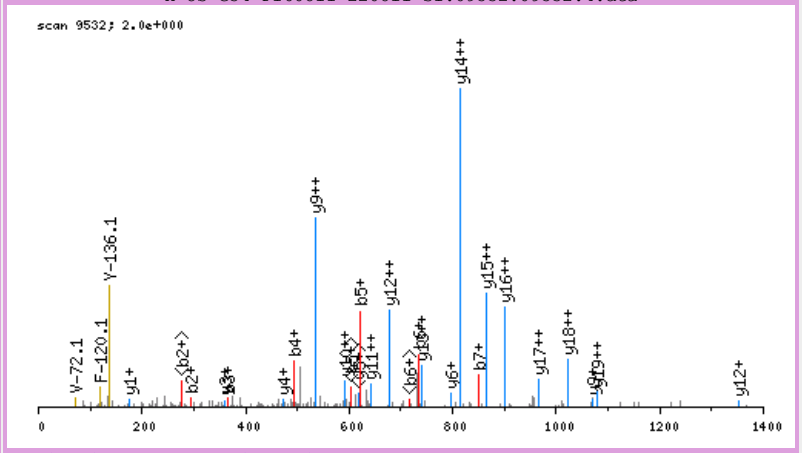
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
279.1404	2	D	13	1521.7472	761.3775
442.2038	3	Y	12	1406.7202	703.8640
541.2722	4	V	11	1243.6569	622.3324
669.3308	5	Q	10	1144.5885	572.7982
756.3628	6	S	9	1016.5299	508.7689
887.4033	7	M	8	929.4979	465.2529
1002.4302	8	D	7	798.4574	399.7326
1101.4986	9	V	6	683.4305	342.2191
1172.5357	10	A	5	**584.3621**	292.6849
1243.5729	11	A	4	**513.3249**	257.1664
1390.6413	12	F	3	**442.2878**	221.6478
1504.6842	13	N	2	**295.2194**	148.1136
	14	K	1	181.1765	91.0922

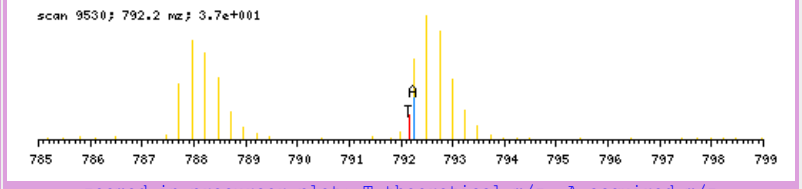
N-term:+35.07 K(14):+162.16

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EEAQEIDCNDEAVFQAVDASLKKLNAR, MH+ 3165.6586, m/z 792.1701
H OS G34 P160811 220811-s1.09532.09532.4.dta



click image to zoom in; click top corners to zoom out [precursor]



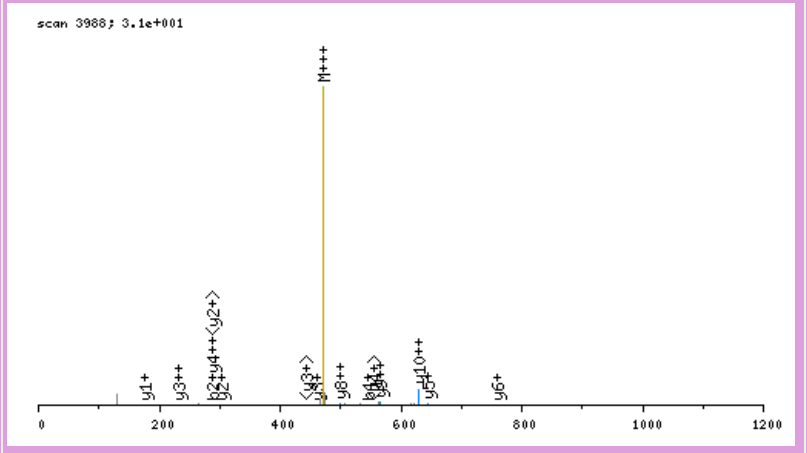
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	27		
293.1561	2	E	26	3002.5530	1501.7804
364.1932	3	A	25	2873.5104	1437.2591
492.2518	4	Q	24	2802.4732	1401.7405
621.2944	5	E	23	2674.4147	1337.7112
734.3784	6	I	22	2545.3721	1273.1899
849.4054	7	D	21	2432.2880	1216.6479
1009.4360	8	C	20	2317.2611	1159.1344
1123.4789	9	N	19	2157.2305	**1079.1191**
1238.5058	10	D	18	2043.1875	**1022.0977**
1367.5484	11	E	17	1928.1606	**964.5842**
1438.5856	12	A	16	1799.1180	**900.0629**
1537.6540	13	V	15	1728.0809	**864.5444**
1684.7224	14	F	14	1629.0125	**815.0101**
1812.7810	15	Q	13	1481.9441	**741.4759**
1883.8181	16	A	12	**1353.8855**	**677.4467**
1982.8865	17	V	11	1282.8484	**641.9281**
2097.9134	18	D	10	1183.7800	**592.3939**
2168.9505	19	A	9	**1068.7530**	**534.8804**
2255.9826	20	S	8	997.7159	499.3619
2369.0666	21	L	7	910.6839	455.8458
2531.2247	22	K	6	**797.5998**	399.3038
2693.3828	23	K	5	635.4417	318.2248
2806.4669	24	L	4	**473.2836**	237.1457
2920.5098	25	N	3	**360.1995**	180.6037
2991.5469	26	A	2	246.1566	123.5822
	27	R	1	**175.1195**	88.0637

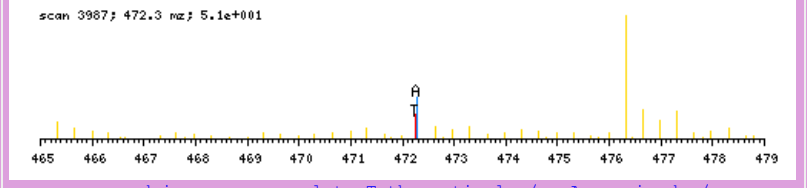
N-term:+35.07 C(8):+160.03
K(22):+162.16 K(23):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEEELIALKER, MH+ 1414.7793, m/z 472.2646
L OS G33 P160811 220811-s1.03988.03988.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

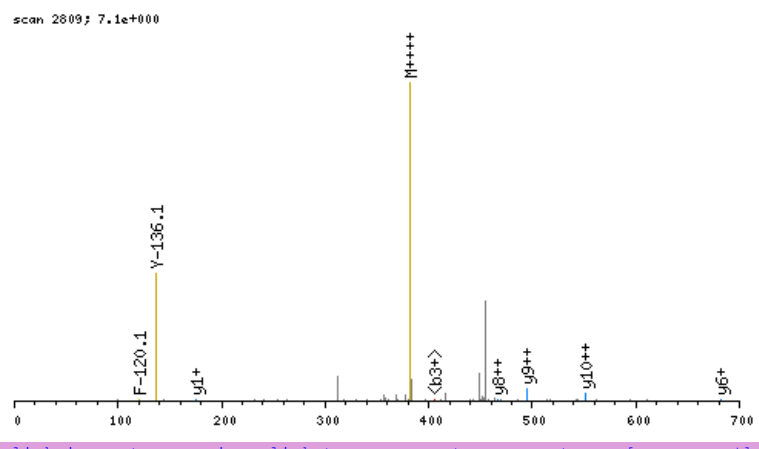


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

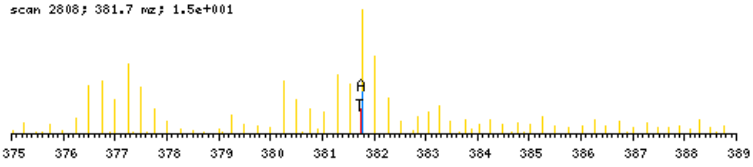
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
287.1243	2	E	10	1257.7055	629.3567
416.1669	3	E	9	1128.6629	564.8354
545.2095	4	E	8	999.6203	500.3141
658.2935	5	L	7	870.5777	435.7928
771.3776	6	I	6	757.4936	379.2507
842.4147	7	A	5	644.4096	322.7087
955.4988	8	L	4	573.3725	287.1901
1111.6251	9	K	3	460.2884	230.6481
1240.6677	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

N-term:+29.04 K(9):+156.13

EEELGSKAKFAGR, MH+ 1523.9282, m/z 381.7375
H OS G35 P160811 220811-s1.02809.02809.4.dta



click image to zoom in; click top corners to zoom out [precursor‡]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

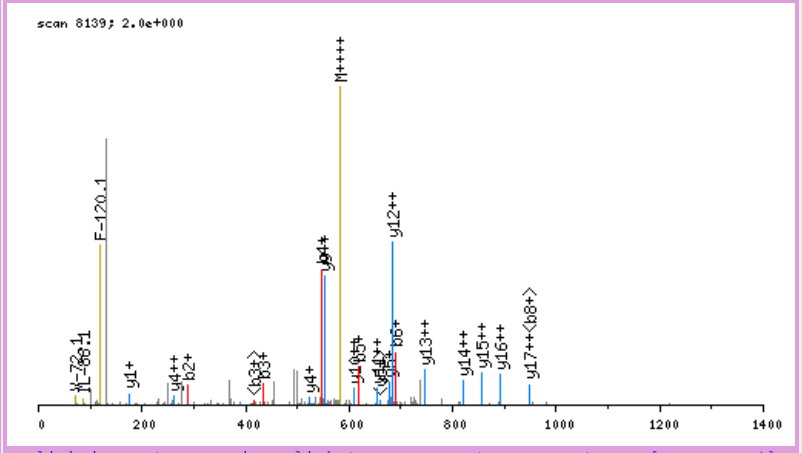
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
293.1561	2	E	12	1360.8225	680.9152
422.1987	3	E	11	1231.7800	616.3939
535.2827	4	L	10	1102.7374	**551.8726**
592.3042	5	G	9	989.6533	**495.3306**
679.3362	6	S	8	932.6318	**466.8198**
841.4943	7	K	7	845.5998	423.3038
912.5314	8	A	6	**683.4417**	342.2248
1074.6895	9	K	5	612.4046	306.7062
1221.7580	10	F	4	450.2465	225.6272
1292.7951	11	A	3	303.1781	152.0930
1349.8165	12	G	2	232.1410	116.5744
	13	R	1	**175.1195**	88.0637

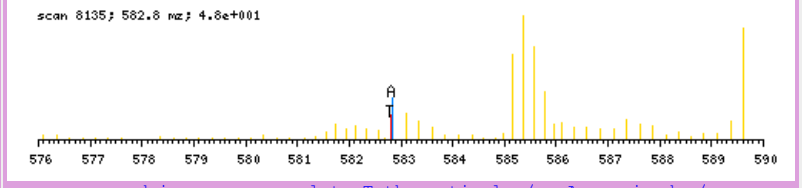
N-term:+35.07 K(7):+162.16
K(9):+162.16

EEFLAAFEGSDGNKVKTFVR, MH+ 2328.2240, m/z 582.8115
L OS G34 P160811 220811-s1.08139.08139.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



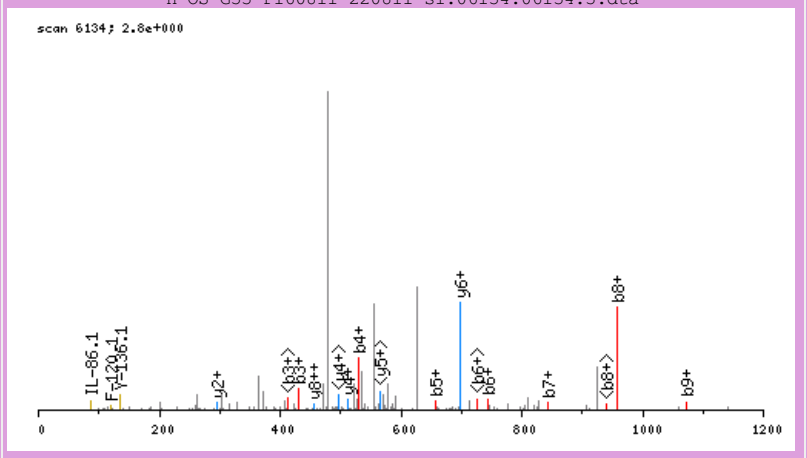
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
287.1243	2	E	19	2171.1502	1086.0790
434.1927	3	F	18	2042.1076	1021.5577
547.2768	4	L	17	1895.0391	**948.0235**
618.3139	5	A	16	1781.9551	**891.4815**
689.3510	6	A	15	1710.9180	**855.9629**
836.4194	7	F	14	1639.8809	**820.4443**
965.4620	8	E	13	1492.8124	**746.9101**
1022.4835	9	G	12	1363.7698	**682.3888**
1109.5155	10	S	11	1306.7484	**653.8781**
1224.5424	11	D	10	1219.7164	**610.3621**
1281.5639	12	G	9	1104.6894	**552.8486**
1395.6068	13	N	8	1047.6679	524.3379
1551.7331	14	K	7	933.6250	467.3164
1650.8015	15	V	6	777.4987	389.2533
1806.9278	16	K	5	**678.4303**	339.7191
1907.9755	17	T	4	**522.3040**	**261.6559**
2055.0439	18	F	3	421.2563	211.1321
2154.1123	19	V	2	274.1879	137.5979
	20	R	1	**175.1195**	88.0637

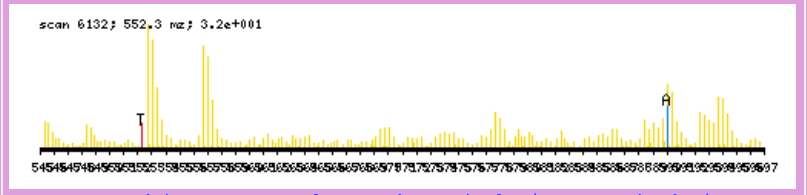
N-term:+29.04 K(14):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EEHVQSVDIAAFNK, MH+ 1654.9077, m/z 552.3074
H OS G33 P160811 220811-s1.06134.06134.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



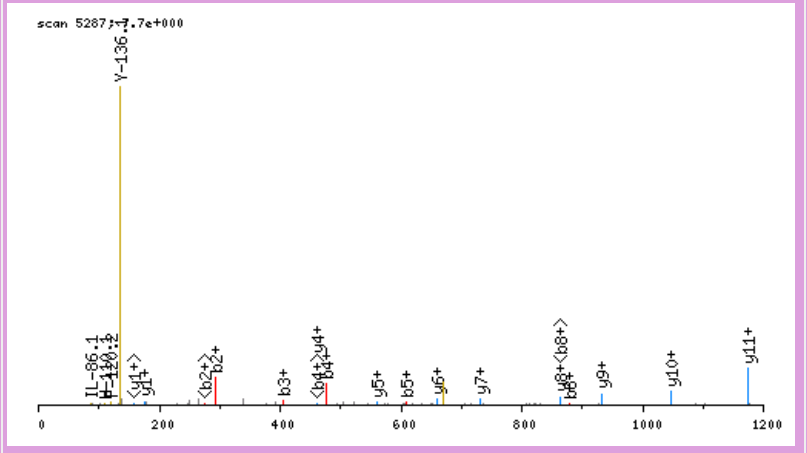
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
293.1561	2	E	13	1491.8020	746.4049
430.2150	3	H	12	1362.7594	681.8836
529.2834	4	V	11	1225.7005	613.3542
657.3420	5	Q	10	1126.6321	563.8200
744.3740	6	S	9	998.5735	499.7907
843.4424	7	V	8	911.5415	**456.2747**
958.4694	8	D	7	812.4731	406.7404
1071.5534	9	I	6	**697.4461**	349.2270
1142.5906	10	A	5	584.3621	292.6849
1213.6277	11	A	4	**513.3249**	257.1664
1360.6961	12	F	3	442.2878	221.6478
1474.7390	13	N	2	**295.2194**	148.1136
	14	K	1	181.1765	91.0922

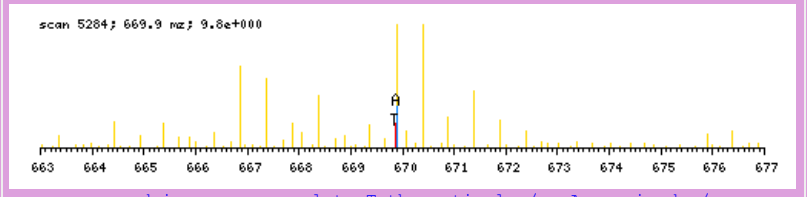
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEIAMATVTALR, MH+ 1338.7515, m/z 669.8794
H OS G30 P160811 220811-s1.05287.05287.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



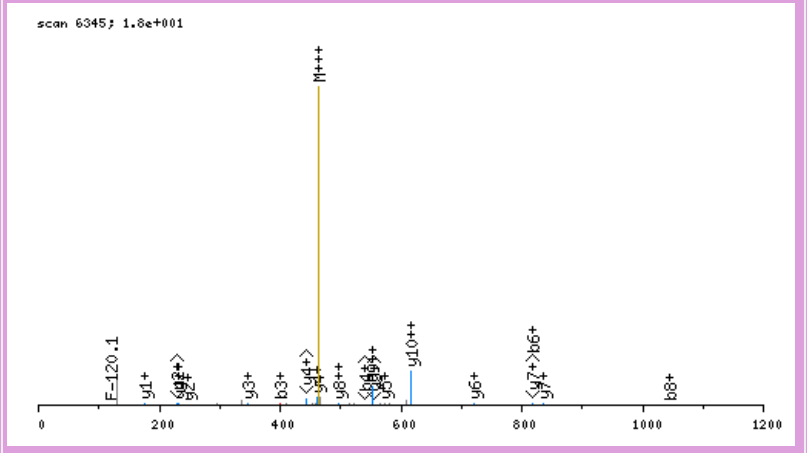
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	12		
293.1561	2	E	11	1175.6458	588.3268
406.2402	3	I	10	1046.6032	523.8055
477.2773	4	A	9	933.5192	467.2635
608.3177	5	M	8	862.4820	431.7449
679.3549	6	A	7	731.4416	366.2247
780.4025	7	T	6	660.4044	330.7061
879.4710	8	V	5	559.3568	280.1823
980.5186	9	T	4	460.2884	230.6481
1051.5557	10	A	3	359.2407	180.1243
1164.6398	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

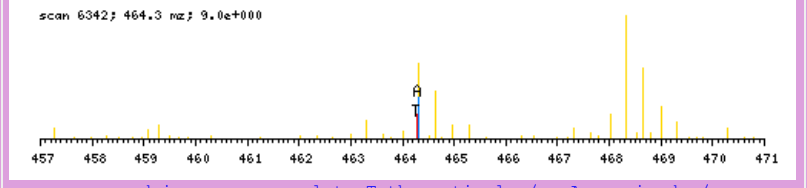
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEIKDFLLTAR, MH+ 1390.7946, m/z 464.2697
L OS G33 P160811 220811-s1.06345.06345.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



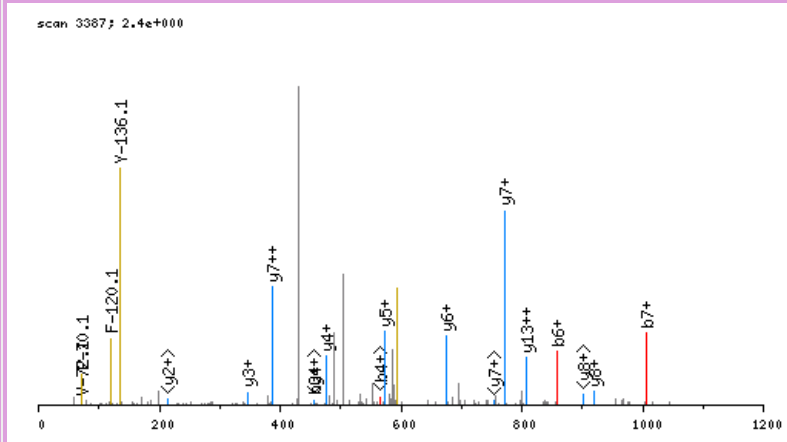
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
287.1243	2	E	10	1233.7207	**617.3643**
400.2084	3	I	9	1104.6781	**552.8430**
556.3347	4	K	8	991.5941	**496.3010**
671.3616	5	D	7	**835.4678**	418.2378
818.4300	6	F	6	**720.4408**	360.7243
931.5141	7	L	5	**573.3724**	287.1901
1044.5981	8	L	4	**460.2884**	**230.6481**
1145.6458	9	T	3	**347.2043**	174.1061
1216.6829	10	A	2	**246.1566**	123.5822
	11	R	1	**175.1195**	88.0637

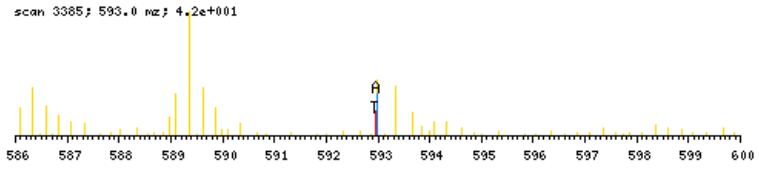
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EEKQCDFPTVENGR, MH+ 1776.8862, m/z 592.9669
H OS G34 P160811 220811-s1.03387.03387.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



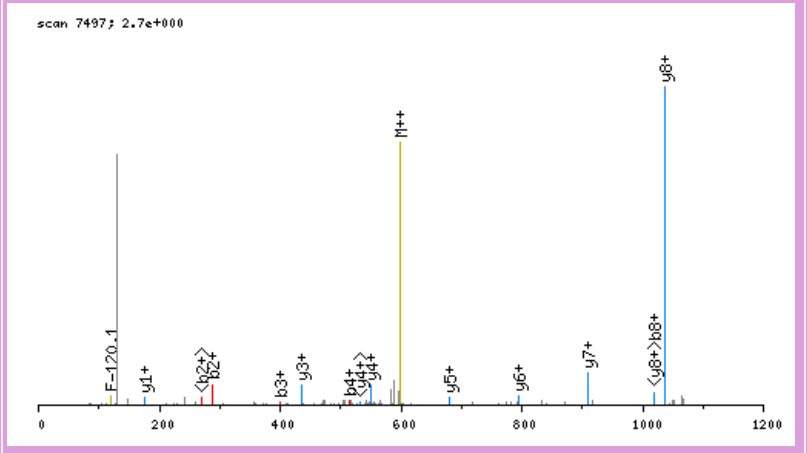
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
293.1561	2	E	13	1613.7806	**807.3942**
455.3142	3	K	12	1484.7380	742.8729
583.3728	4	Q	11	1322.5799	661.7939
743.4034	5	C	10	1194.5213	597.7646
858.4303	6	D	9	1034.4907	517.7493
1005.4987	7	F	8	**919.4638**	460.2358
1102.5515	8	P	7	**772.3953**	**386.7016**
1203.5992	9	T	6	**675.3426**	338.1752
1302.6676	10	V	5	**574.2949**	287.6514
1431.7102	11	E	4	**475.2265**	238.1172
1545.7531	12	N	3	**346.1839**	173.5959
1602.7746	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

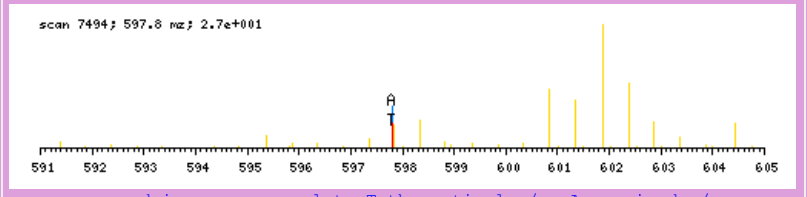
N-term:+35.07 K(3):+162.16
C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EELNMDLFR, MH+ 1194.5829, m/z 597.7951
L OS G31 P160811 220811-s1.07497.07497.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



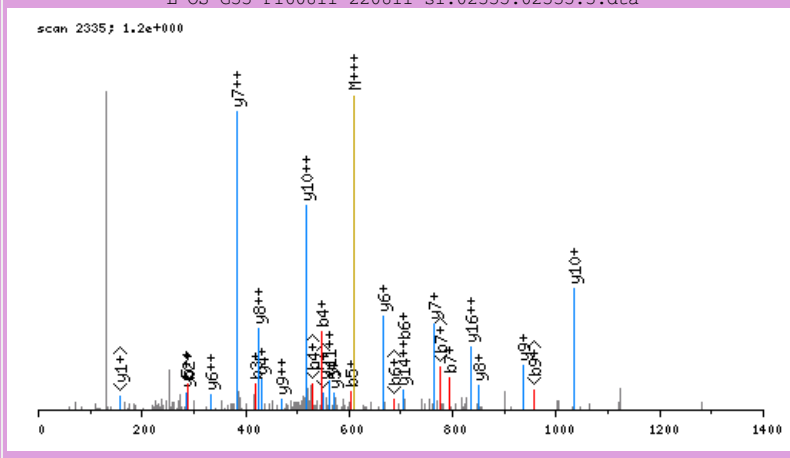
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	9		
287.1243	2	E	8	1037.5090	519.2584
400.2084	3	L	7	908.4664	454.7371
514.2513	4	N	6	795.3823	398.1951
645.2918	5	M	5	681.3394	341.1736
760.3187	6	D	4	550.2989	275.6534
873.4028	7	L	3	435.2720	218.1399
1020.4712	8	F	2	322.1879	161.5979
	9	R	1	175.1195	88.0637

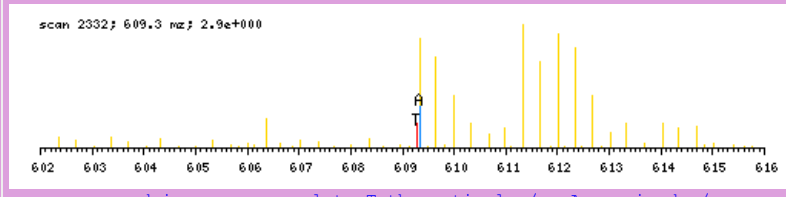
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEMEGTSPSSPPHSVAR, MH+ 1825.8390, m/z 609.2845
L OS G33 P160811 220811-s1.02335.02335.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



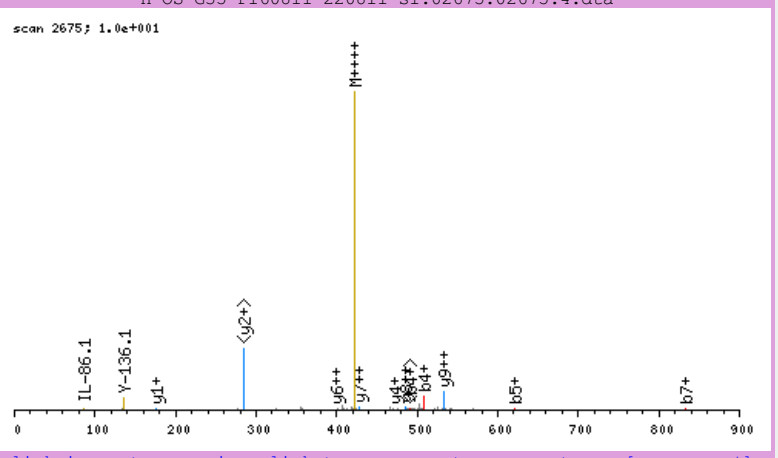
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
287.1243	2	E	16	1668.7652	**834.8865**
418.1648	3	M	15	1539.7226	770.3652
547.2074	4	E	14	1408.6821	**704.8450**
604.2288	5	G	13	1279.6395	640.3237
705.2765	6	T	12	1222.6180	611.8129
792.3085	7	S	11	1121.5703	**561.2891**
889.3613	8	P	10	**1034.5383**	**517.7731**
976.3933	9	S	9	**937.4856**	**469.2467**
1063.4254	10	S	8	**850.4535**	**425.7307**
1160.4781	11	P	7	**763.4215**	**382.2147**
1257.5309	12	P	6	**666.3687**	**333.6883**
1394.5898	13	H	5	**569.3160**	**285.1619**
1481.6218	14	S	4	**432.2571**	216.6324
1580.6902	15	V	3	345.2250	173.1164
1651.7274	16	A	2	246.1566	123.5822
	17	R	1	175.1195	88.0637

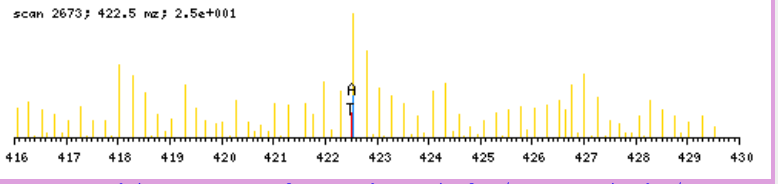
N-term:+29.04

EESQLPDGKKGLQR, MH+ 1687.0239, m/z 422.5114
H OS G35 P160811 220811-s1.02675.02675.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor+]



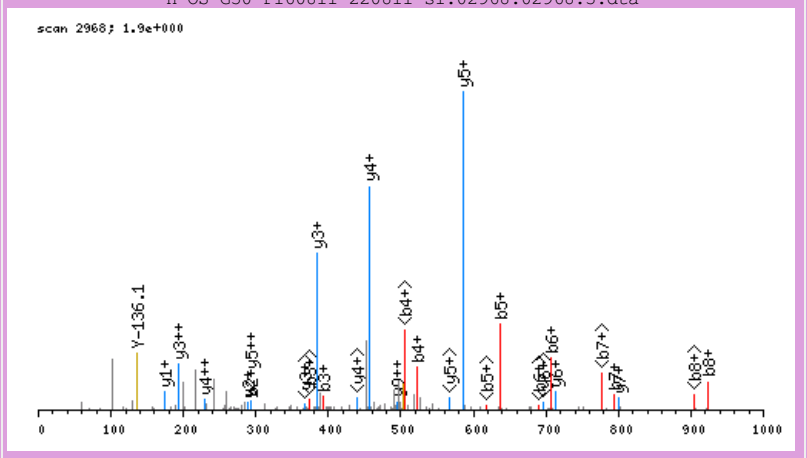
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
293.1561	2	E	13	1523.9182	762.4630
380.1881	3	S	12	1394.8756	697.9417
508.2467	4	Q	11	1307.8436	654.4257
621.3308	5	L	10	1179.7850	590.3964
718.3835	6	P	9	1066.7010	**533.8544**
833.4105	7	D	8	969.6482	**485.3280**
890.4319	8	G	7	854.6213	**427.8145**
1052.5900	9	K	6	797.5998	**399.3038**
1214.7481	10	K	5	635.4417	318.2248
1271.7696	11	G	4	**473.2836**	237.1457
1384.8537	12	L	3	416.2621	208.6350
1512.9122	13	Q	2	303.1781	152.0930
	14	R	1	**175.1195**	88.0637

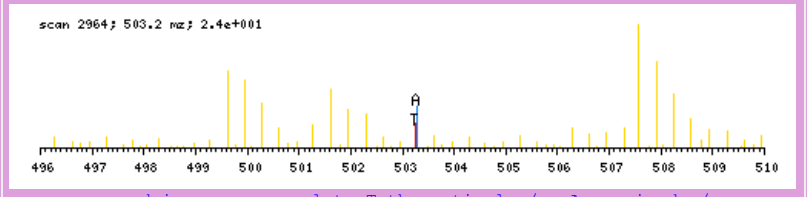
N-term:+35.07 K(9):+162.16
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEVEDASEEAPLR, MH+ 1507.7340, m/z 503.2495
H OS G30 P160811 220811-s1.02968.02968.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



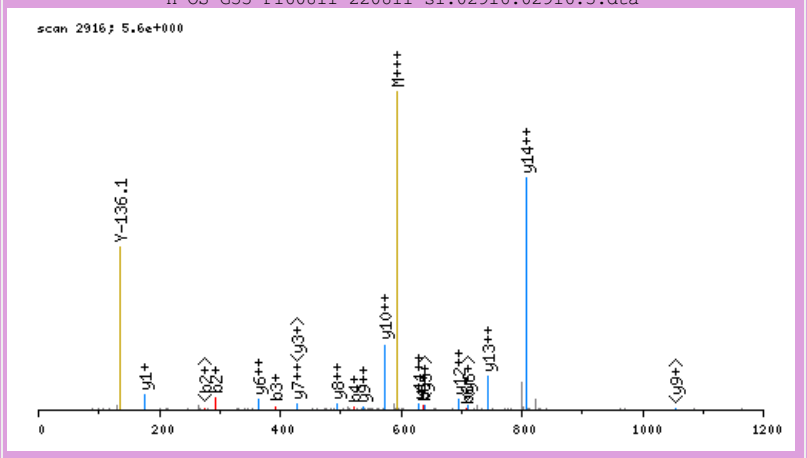
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
293.1561	2	E	12	1344.6283	672.8181
392.2245	3	V	11	1215.5857	608.2968
521.2671	4	E	10	1116.5173	558.7626
636.2940	5	D	9	987.4747	494.2413
707.3312	6	A	8	872.4478	436.7278
794.3632	7	S	7	801.4107	401.2092
923.4058	8	E	6	714.3786	357.6932
1052.4484	9	E	5	585.3360	293.1719
1123.4855	10	A	4	456.2934	228.6506
1220.5382	11	P	3	385.2563	193.1321
1333.6223	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

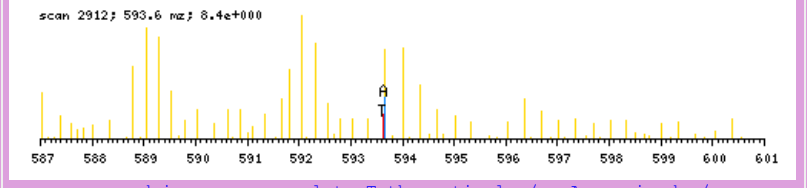
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEVEDASEEAPLRDR, MH+ 1778.8620, m/z 593.6255
H OS G33 P160811 220811-s1.02916.02916.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



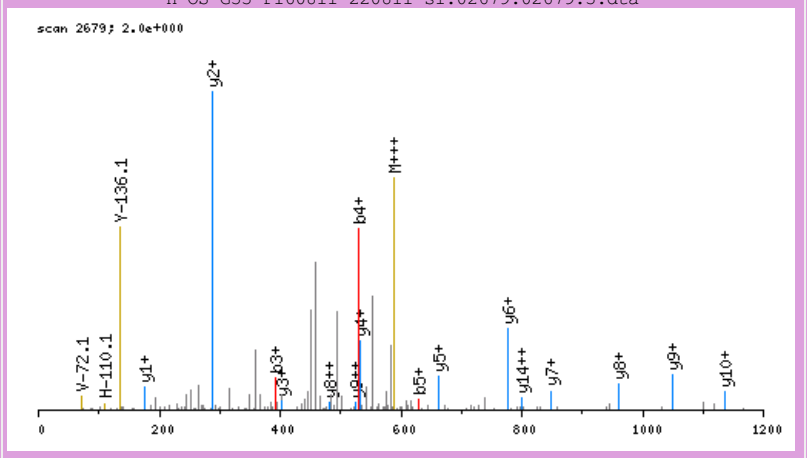
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
293.1561	2	E	14	1615.7564	808.3821
392.2245	3	V	13	1486.7138	743.8608
521.2671	4	E	12	1387.6454	694.3266
636.2940	5	D	11	1258.6028	629.8053
707.3312	6	A	10	1143.5758	572.2918
794.3632	7	S	9	1072.5387	536.7733
923.4058	8	E	8	985.5067	493.2573
1052.4484	9	E	7	856.4641	428.7360
1123.4855	10	A	6	727.4215	364.2147
1220.5382	11	P	5	656.3844	328.6961
1333.6223	12	L	4	559.3316	280.1697
1489.7234	13	R	3	446.2476	223.6277
1604.7504	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

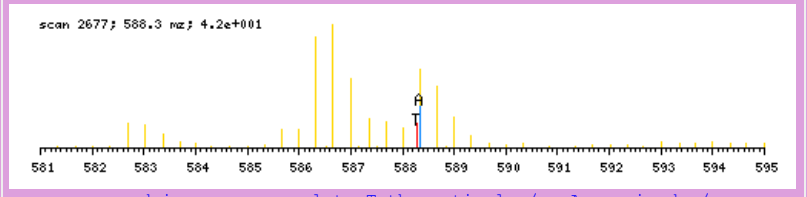
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEVHVSSNADEEDIR, MH+ 1762.8307, m/z 588.2818
H OS G33 P160811 220811-s1.02679.02679.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



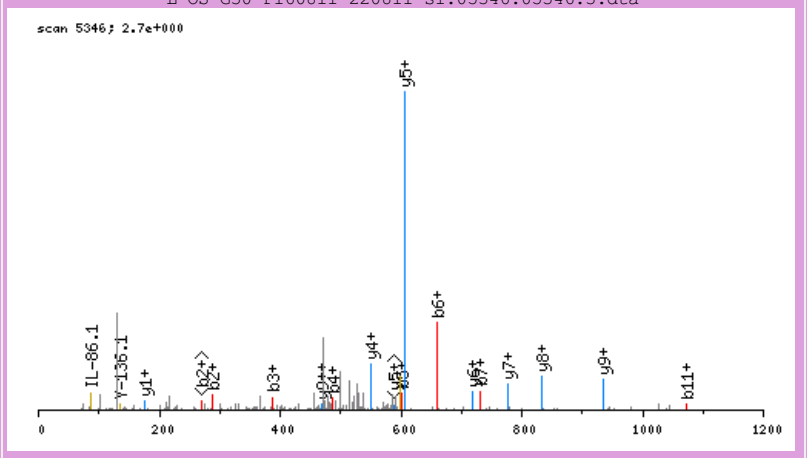
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
293.1561	2	E	14	1599.7251	**800.3664**
392.2245	3	V	13	1470.6825	735.8452
529.2834	4	H	12	1371.6141	686.3109
628.3518	5	V	11	1234.5551	617.7815
715.3839	6	S	10	**1135.4867**	568.2473
802.4159	7	S	9	**1048.4547**	**524.7313**
916.4588	8	N	8	**961.4227**	**481.2153**
987.4959	9	A	7	**847.3798**	424.1938
1102.5229	10	D	6	**776.3426**	388.6752
1231.5655	11	E	5	**661.3157**	331.1618
1360.6081	12	E	4	**532.2731**	266.6405
1475.6350	13	D	3	**403.2305**	202.1192
1588.7191	14	I	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

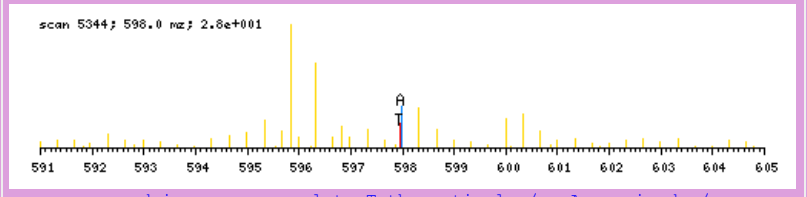
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEVTDGAQTGGLGFNLR, MH+ 1791.8877, m/z 597.9674
L OS G30 P160811 220811-s1.05346.05346.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



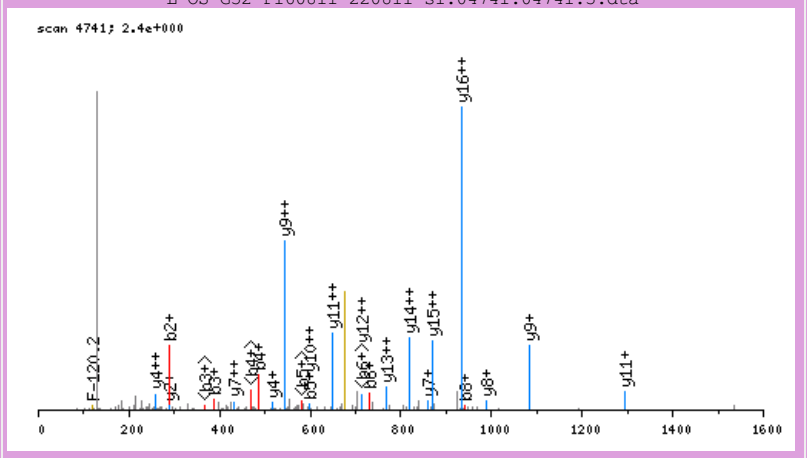
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
287.1243	2	E	16	1634.8138	817.9108
386.1927	3	V	15	1505.7712	753.3895
487.2404	4	T	14	1406.7028	703.8553
602.2673	5	D	13	1305.6551	653.3315
659.2888	6	G	12	1190.6282	595.8180
730.3259	7	A	11	1133.6067	567.3073
858.3845	8	Q	10	1062.5696	531.7887
959.4322	9	T	9	934.5110	467.7594
1016.4536	10	G	8	833.4634	417.2356
1073.4751	11	G	7	776.4419	388.7249
1186.5591	12	L	6	719.4204	360.2141
1243.5806	13	G	5	606.3364	303.6721
1390.6490	14	F	4	549.3149	275.1614
1504.6920	15	N	3	402.2465	201.6272
1617.7760	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

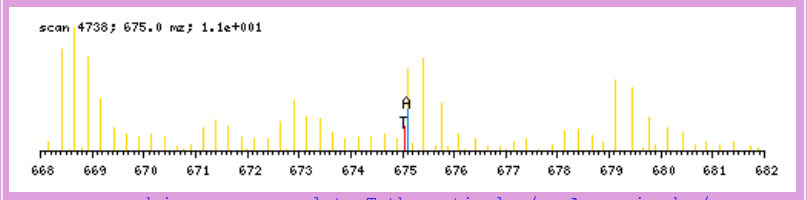
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EEVTLEPLPETLQAKNR, MH+ 2023.1076, m/z 675.0407
L OS G32 P160811 220811-s1.04741.04741.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



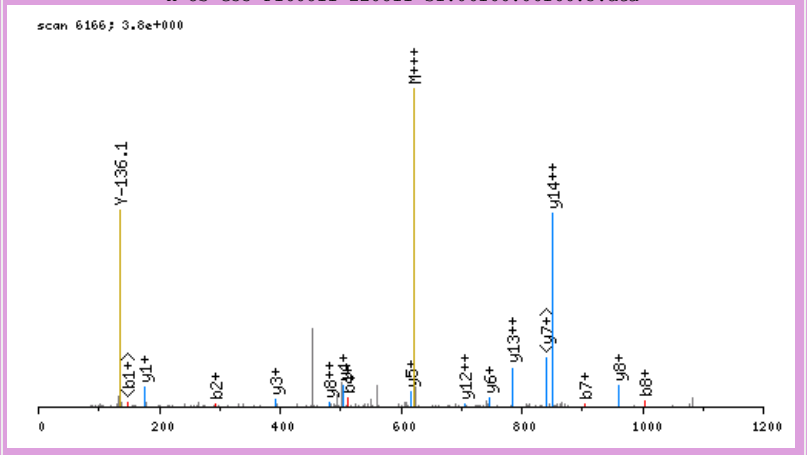
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
287.1243	2	E	16	1866.0337	**933.5208**
386.1927	3	V	15	1736.9911	**868.9995**
487.2404	4	T	14	1637.9227	**819.4653**
600.3244	5	L	13	1536.8750	**768.9414**
729.3670	6	E	12	1423.7909	**712.3994**
826.4198	7	P	11	**1294.7483**	**647.8781**
939.5039	8	L	10	1197.6956	**599.3517**
1036.5566	9	P	9	**1084.6115**	**542.8097**
1165.5992	10	E	8	**987.5588**	494.2833
1266.6469	11	T	7	**858.5162**	**429.7620**
1379.7310	12	L	6	757.4685	379.2382
1507.7895	13	Q	5	644.3844	322.6961
1578.8267	14	A	4	**516.3258**	**258.6668**
1734.9530	15	K	3	445.2887	223.1483
1848.9959	16	N	2	**289.1624**	145.0851
	17	R	1	175.1195	88.0637

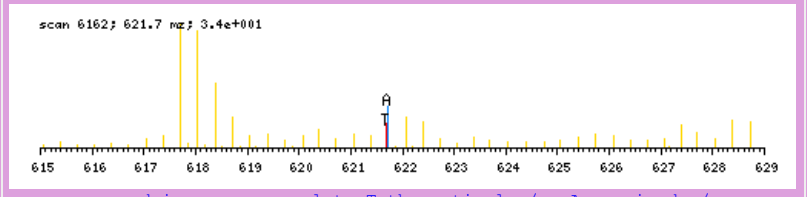
N-term:+29.04 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EEYGKIDTIEIITDR, MH+ 1863.0387, m/z 621.6844
H OS G33 P160811 220811-s1.06166.06166.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



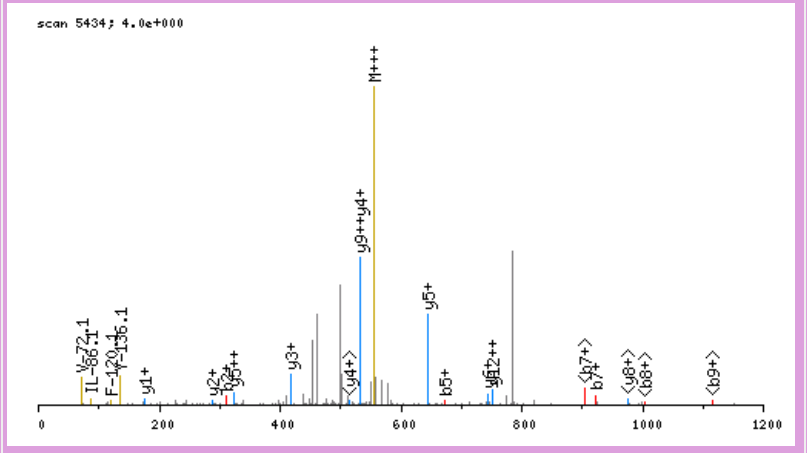
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
293.1561	2	E	14	1699.9331	**850.4705**
456.2194	3	Y	13	1570.8905	**785.9492**
513.2409	4	G	12	1407.8272	**704.4175**
675.3990	5	K	11	1350.8057	675.9068
788.4830	6	I	10	1188.6476	594.8277
903.5100	7	D	9	1075.5635	538.2857
1004.5577	8	T	8	**960.5366**	**480.7722**
1117.6417	9	I	7	859.4889	430.2484
1246.6843	10	E	6	**746.4048**	373.7063
1359.7684	11	I	5	**617.3623**	309.1850
1472.8524	12	I	4	**504.2782**	252.6430
1573.9001	13	T	3	**391.1941**	196.1010
1688.9271	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

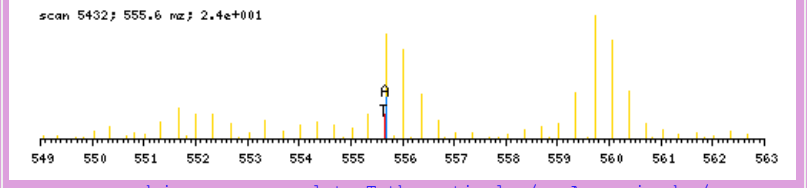
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EFKEAFTVIDQNR, MH+ 1664.9284, m/z 555.6477
H OS G33 P160811 220811-s1.05434.05434.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



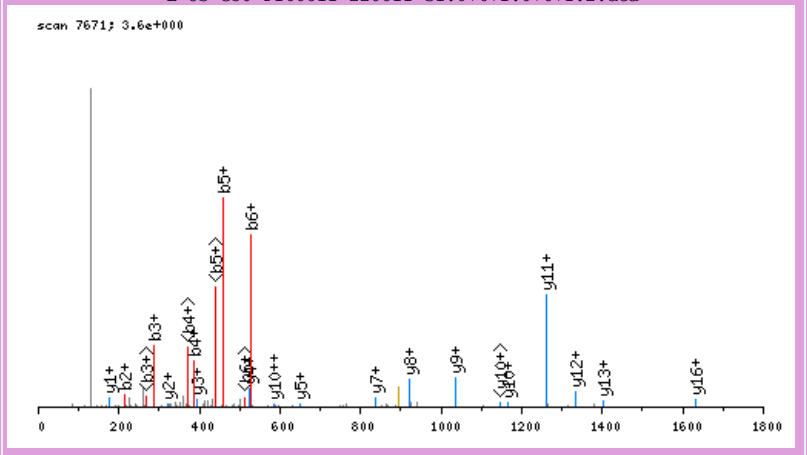
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
311.1819	2	F	12	1501.8227	**751.4153**
473.3400	3	K	11	1354.7543	677.8811
602.3826	4	E	10	1192.5962	596.8020
673.4197	5	A	9	1063.5536	**532.2807**
820.4881	6	F	8	992.5165	496.7622
921.5358	7	T	7	845.4481	423.2280
1020.6042	8	V	6	**744.4004**	372.7041
1133.6883	9	I	5	**645.3320**	**323.1699**
1248.7152	10	D	4	**532.2479**	266.6279
1376.7738	11	Q	3	**417.2210**	209.1144
1490.8167	12	N	2	**289.1624**	145.0851
	13	R	1	**175.1195**	88.0637

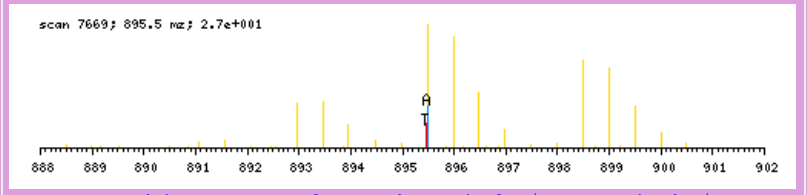
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EGATAAPELSALEEAFR, MH+ 1789.8972, m/z 895.4522
L OS G30 P160811 220811-s1.07671.07671.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



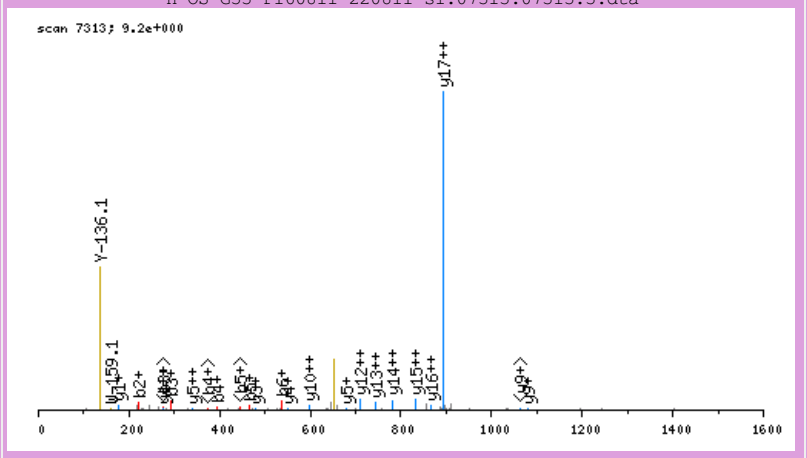
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
215.1032	2	G	16	1632.8233	816.9156
286.1403	3	A	15	1575.8019	788.4048
387.1879	4	T	14	1504.7647	752.8863
458.2251	5	A	13	1403.7171	702.3624
529.2622	6	A	12	1332.6800	666.8439
626.3149	7	P	11	1261.6428	631.3253
755.3575	8	E	10	1164.5901	582.7990
868.4416	9	L	9	1035.5475	518.2777
955.4736	10	S	8	922.4634	461.7356
1026.5107	11	A	7	835.4314	418.2196
1139.5948	12	L	6	764.3943	382.7011
1268.6374	13	E	5	651.3102	326.1590
1397.6800	14	E	4	522.2676	261.6377
1468.7171	15	A	3	393.2250	197.1164
1615.7855	16	F	2	322.1879	161.5979
	17	R	1	175.1195	88.0637

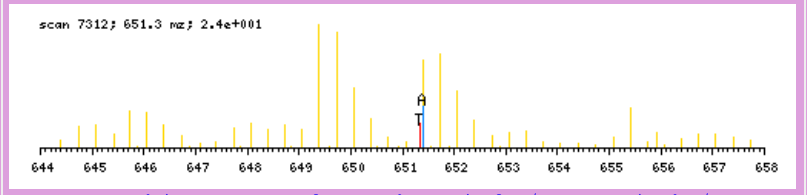
N-term:+29.04

EGATAAPELSALEEAFRR, MH+ 1952.0301, m/z 651.3482
H OS G33 P160811 220811-s1.07313.07313.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



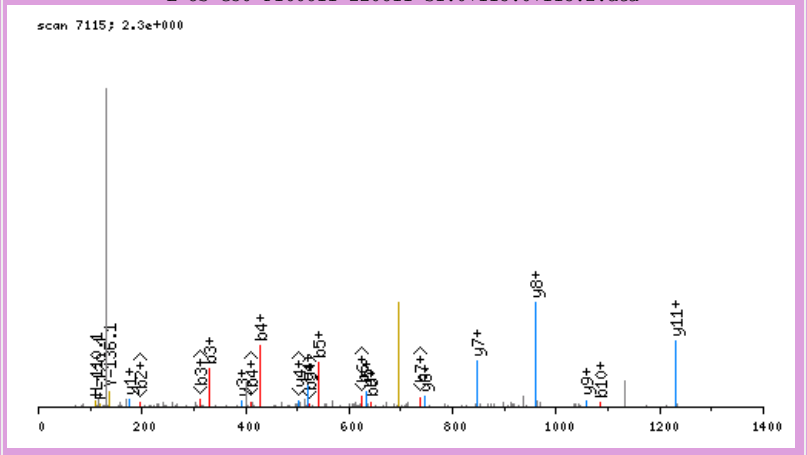
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
221.1350	2	G	17	1788.9244	894.9661
292.1721	3	A	16	1731.9030	866.4554
393.2197	4	T	15	1660.8659	830.9368
464.2569	5	A	14	1559.8182	780.4130
535.2940	6	A	13	1488.7811	744.8944
632.3467	7	P	12	1417.7440	709.3759
761.3893	8	E	11	1320.6912	660.8495
874.4734	9	L	10	1191.6486	596.3282
961.5054	10	S	9	1078.5645	539.7862
1032.5425	11	A	8	991.5325	496.2702
1145.6266	12	L	7	920.4954	460.7516
1274.6692	13	E	6	807.4113	404.2096
1403.7118	14	E	5	678.3687	339.6883
1474.7489	15	A	4	549.3261	275.1670
1621.8173	16	F	3	478.2890	239.6484
1777.9184	17	R	2	331.2206	166.1142
	18	R	1	175.1195	88.0637

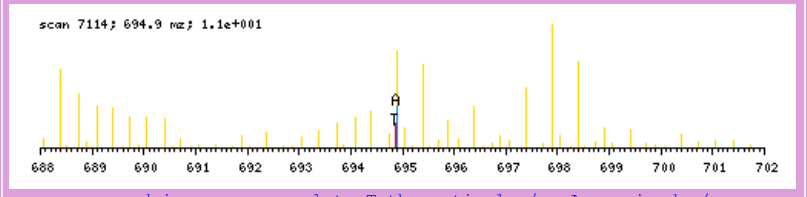
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EGDVLTLLESER, MH+ 1388.7273, m/z 694.8673
L OS G30 P160811 220811-s1.07115.07115.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



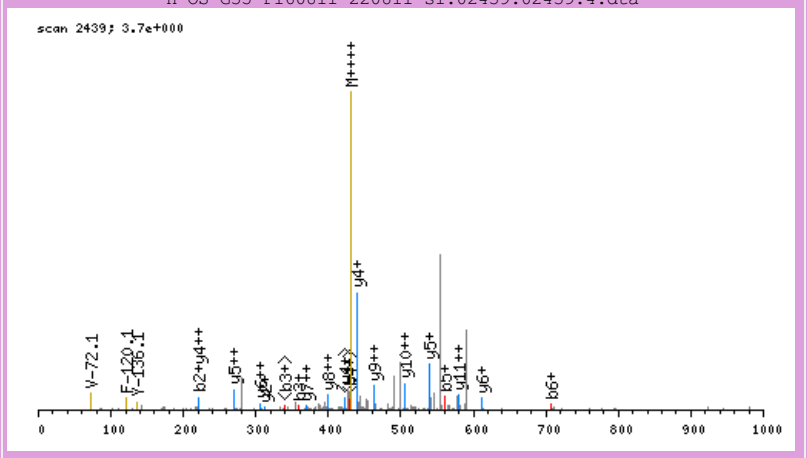
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
215.1032	2	G	11	1231.6534	616.3306
330.1301	3	D	10	1174.6319	587.8199
429.1985	4	V	9	1059.6050	530.3064
542.2826	5	L	8	960.5366	480.7722
643.3303	6	T	7	847.4525	424.2302
756.4143	7	L	6	746.4048	373.7063
869.4984	8	L	5	633.3208	317.1643
998.5410	9	E	4	520.2367	260.6223
1085.5730	10	S	3	391.1941	196.1010
1214.6156	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

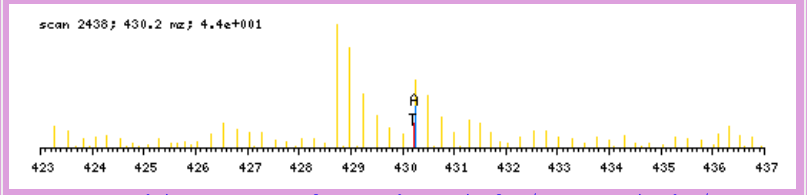
N-term:+29.04

EGHSDFSEGQAVGAHR, MH+ 1717.8106, m/z 430.2081
H_OS_G35_P160811_220811-s1.02439.02439.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



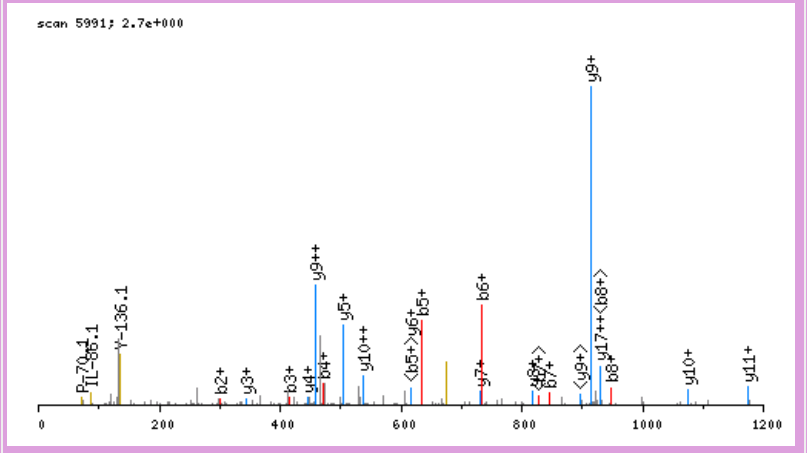
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	16		
221.1350	2	G	15	1554.7049	777.8564
358.1939	3	H	14	1497.6835	749.3457
445.2259	4	S	13	1360.6246	680.8162
560.2528	5	D	12	1273.5925	637.3002
707.3213	6	F	11	1158.5656	**579.7867**
794.3533	7	S	10	1011.4972	**506.2525**
923.3959	8	E	9	924.4652	**462.7365**
980.4173	9	G	8	795.4226	**398.2152**
1108.4759	10	Q	7	738.4011	**369.7045**
1179.5130	11	A	6	**610.3425**	**305.6752**
1278.5814	12	V	5	**539.3054**	**270.1566**
1335.6029	13	G	4	**440.2370**	**220.6224**
1406.6400	14	A	3	383.2155	192.1117
1543.6989	15	H	2	**312.1784**	156.5931
	16	R	1	175.1195	88.0637

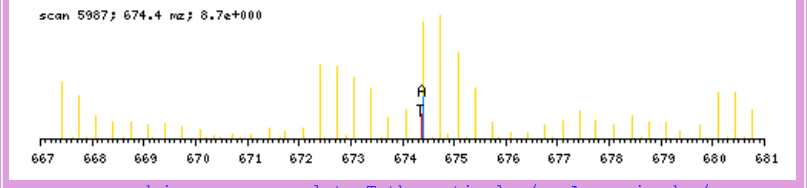
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EHLGYVLTCPSNLGTGLR, MH+ 2021.0701, m/z 674.3616
H OS G33 P160811 220811-s1.05991.05991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



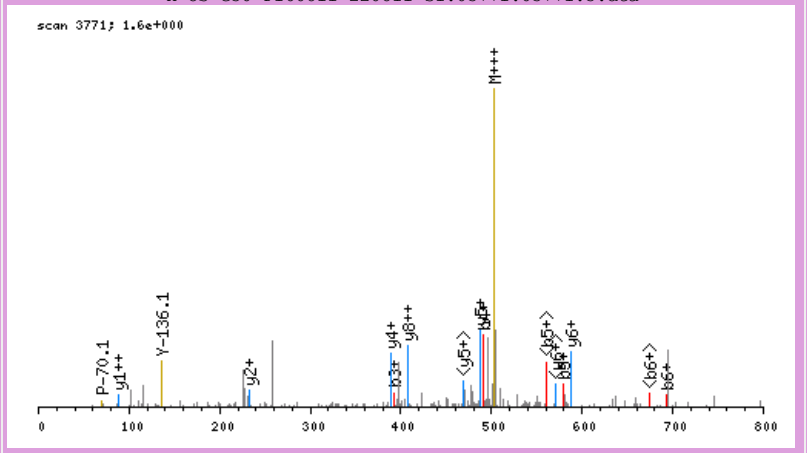
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
301.1724	2	H	17	1857.9645	**929.4862**
414.2565	3	L	16	1720.9056	860.9567
471.2779	4	G	15	1607.8215	804.4147
634.3413	5	Y	14	1550.8000	775.9039
733.4097	6	V	13	1387.7367	694.3723
846.4937	7	L	12	1288.6683	644.8381
947.5414	8	T	11	**1175.5842**	588.2960
1107.5720	9	C	10	**1074.5366**	**537.7722**
1204.6248	10	P	9	**914.5060**	**457.7569**
1291.6568	11	S	8	**817.4532**	409.2305
1405.6997	12	N	7	**730.4212**	365.7145
1518.7838	13	L	6	**616.3782**	308.6930
1575.8053	14	G	5	**503.2942**	252.1510
1676.8529	15	T	4	**446.2727**	223.6403
1733.8744	16	G	3	**345.2250**	173.1164
1846.9585	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

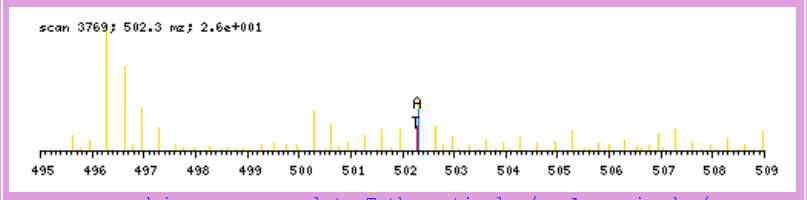
N-term:+35.07 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EIDVSNPQTVGVGR, MH+ 1504.8183, m/z 502.2776
H OS G30 P160811 220811-s1.03771.03771.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



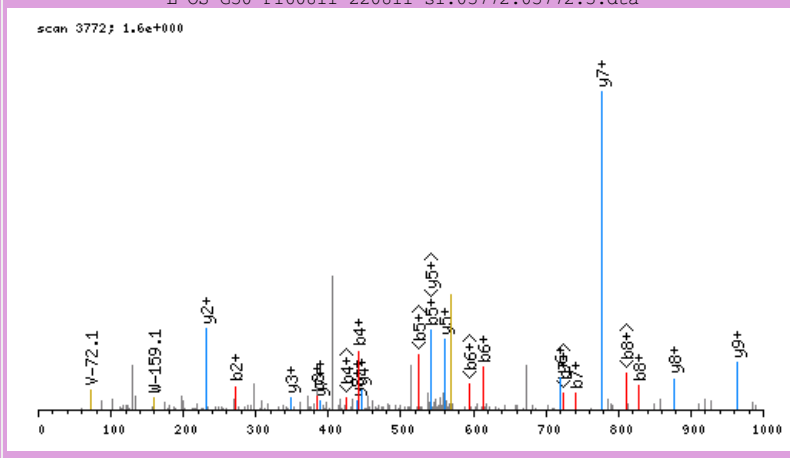
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
277.1976	2	I	13	1341.7127	671.3602
392.2245	3	D	12	1228.6286	614.8182
491.2929	4	V	11	1113.6016	557.3047
578.3249	5	S	10	1014.5332	507.7705
692.3679	6	N	9	927.5012	464.2545
789.4206	7	P	8	813.4583	**407.2331**
917.4792	8	Q	7	716.4055	358.7067
1018.5269	9	T	6	**588.3469**	294.6774
1117.5953	10	V	5	**487.2993**	244.1535
1174.6168	11	G	4	**388.2308**	194.6193
1273.6852	12	V	3	331.2094	166.1086
1330.7066	13	G	2	**232.1410**	116.5744
	14	R	1	175.1195	**88.0637**

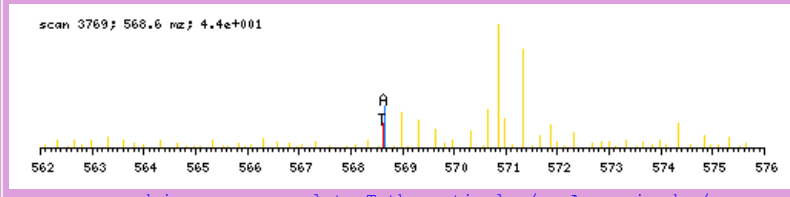
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EILGTAQSVGCNVDGR, MH+ 1703.8386, m/z 568.6177
L OS G30 P160811 220811-s1.03772.03772.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



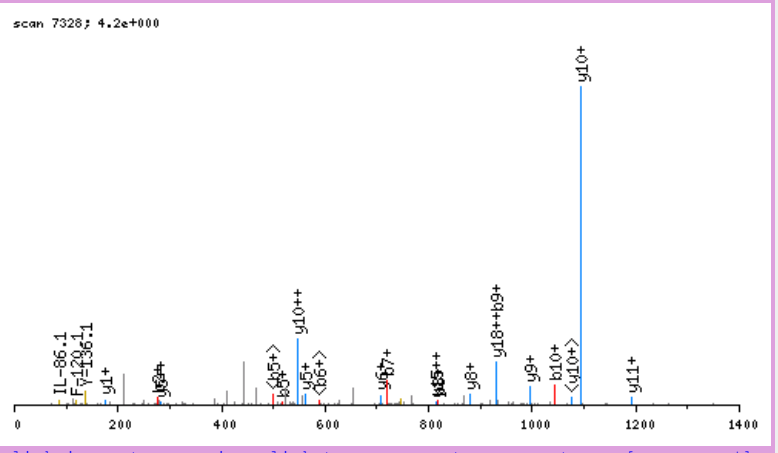
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
271.1658	2	I	15	1546.7647	773.8863
384.2498	3	L	14	1433.6807	717.3442
441.2713	4	G	13	1320.5966	660.8022
542.3190	5	T	12	1263.5751	632.2915
613.3561	6	A	11	1162.5274	581.7676
741.4147	7	Q	10	1091.4903	546.2491
828.4467	8	S	9	**963.4318**	482.2198
927.5151	9	V	8	**876.3997**	**438.7038**
984.5366	10	G	7	**777.3313**	**389.1696**
1144.5672	11	C	6	**720.3098**	360.6588
1258.6101	12	N	5	**560.2792**	280.6435
1357.6785	13	V	4	**446.2363**	223.6221
1472.7054	14	D	3	**347.1679**	174.0879
1529.7269	15	G	2	**232.1410**	116.5744
	16	R	1	175.1195	88.0637

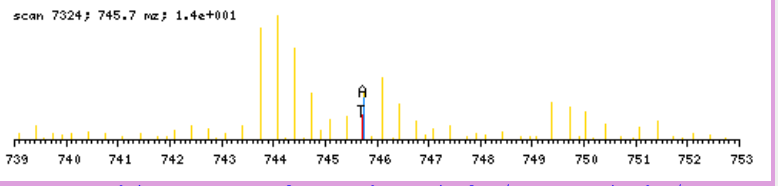
N-term:+29.04 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EIPGSSDPNIVPDGDFSSLVR, MH+ 2235.1357, m/z 745.7167
H OS G30 P160811 220811-s1.07328.07328.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



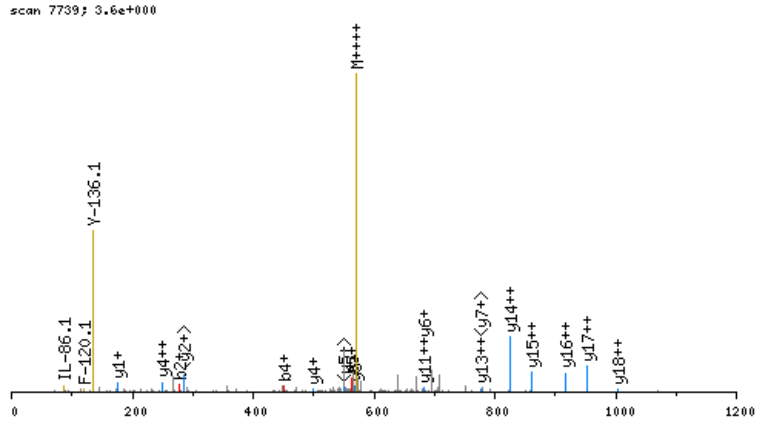
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	21		
277.1976	2	I	20	2072.0300	1036.5189
374.2503	3	P	19	1958.9460	979.9769
431.2718	4	G	18	1861.8932	**931.4505**
518.3038	5	S	17	1804.8717	902.9398
605.3358	6	S	16	1717.8397	859.4238
720.3628	7	D	15	1630.8077	**815.9078**
817.4155	8	P	14	1515.7807	758.3943
931.4585	9	N	13	1418.7280	709.8679
1044.5425	10	I	12	1304.6850	652.8464
1143.6110	11	V	11	**1191.6010**	596.3044
1240.6637	12	P	10	**1092.5326**	**546.7702**
1355.6907	13	D	9	**995.4798**	498.2438
1412.7121	14	G	8	**880.4529**	440.7303
1527.7391	15	D	7	823.4314	412.2196
1674.8075	16	F	6	**708.4044**	354.7061
1761.8395	17	S	5	**561.3360**	**281.1719**
1848.8715	18	S	4	474.3040	237.6559
1961.9556	19	L	3	387.2720	194.1399
2061.0240	20	V	2	274.1879	137.5979
	21	R	1	**175.1195**	88.0637

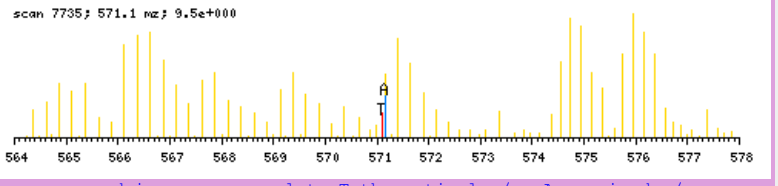
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EITALAPSTMKIKIIAPPER, MH+ 2281.4418, m/z 571.1159
H OS G34 P160811 220811-s1.07739.07739.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



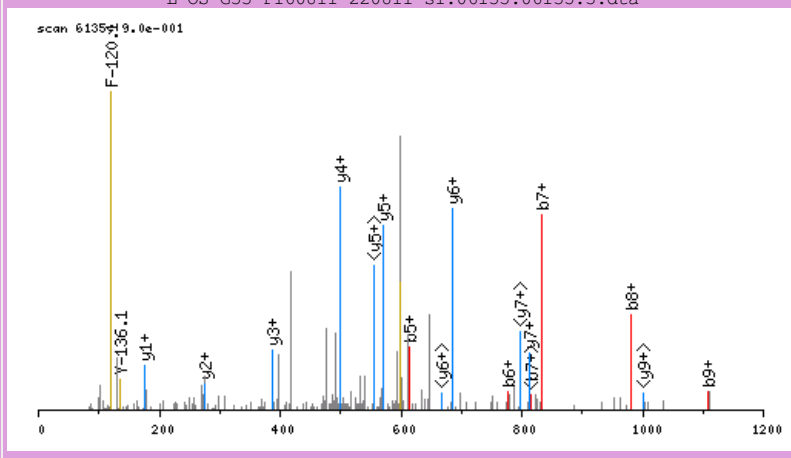
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	20		
277.1976	2	I	19	2118.3361	1059.6720
378.2452	3	T	18	2005.2521	**1003.1299**
449.2823	4	A	17	1904.2044	**952.6061**
562.3664	5	L	16	1833.1673	**917.0875**
633.4035	6	A	15	1720.0832	**860.5455**
730.4563	7	P	14	1649.0461	**825.0270**
817.4883	8	S	13	1551.9933	**776.5006**
918.5360	9	T	12	1464.9613	732.9846
1049.5765	10	M	11	1363.9136	**682.4607**
1211.7346	11	K	10	1232.8731	616.9405
1324.8186	12	I	9	1070.7150	535.8614
1486.9767	13	K	8	957.6310	479.3194
1600.0608	14	I	7	795.4729	398.2403
1713.1449	15	I	6	**682.3888**	341.6983
1784.1820	16	A	5	**569.3047**	285.1563
1881.2348	17	P	4	**498.2676**	**249.6377**
1978.2875	18	P	3	401.2149	201.1113
2107.3301	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

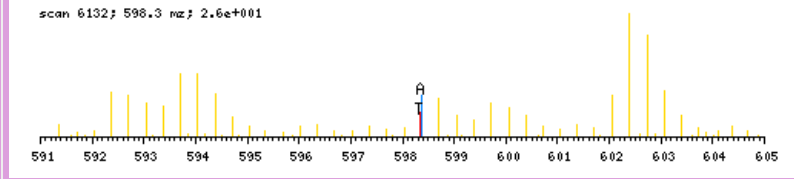
N-term:+35.07 K(11):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EKLGEYGFQNAILVR, MH+ 1792.9962, m/z 598.3369
L OS G33 P160811 220811-s1.06135.06135.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



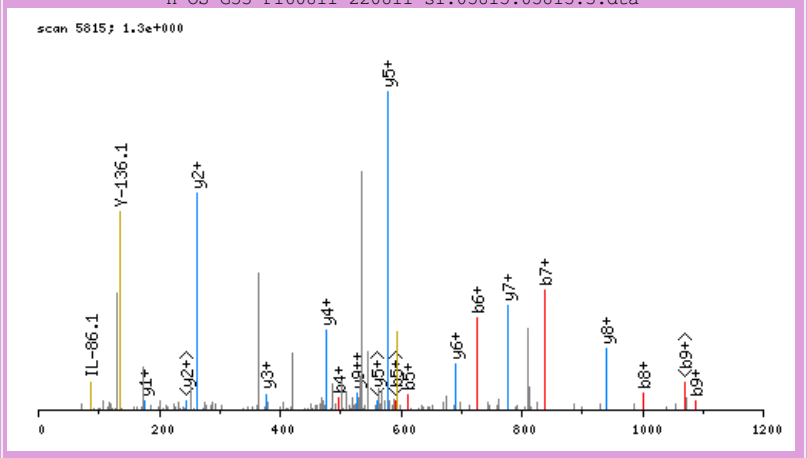
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
314.2080	2	K	14	1635.9223	818.4651
427.2921	3	L	13	1479.7960	740.4019
484.3135	4	G	12	1366.7119	683.8599
613.3561	5	E	11	1309.6905	655.3491
776.4194	6	Y	10	1180.6479	590.8278
833.4409	7	G	9	1017.5845	509.2962
980.5093	8	F	8	960.5631	480.7855
1108.5679	9	Q	7	**813.4947**	407.2512
1222.6108	10	N	6	**685.4361**	343.2220
1293.6479	11	A	5	**571.3932**	286.2005
1406.7320	12	I	4	**500.3560**	250.6819
1519.8161	13	L	3	**387.2720**	194.1399
1618.8845	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

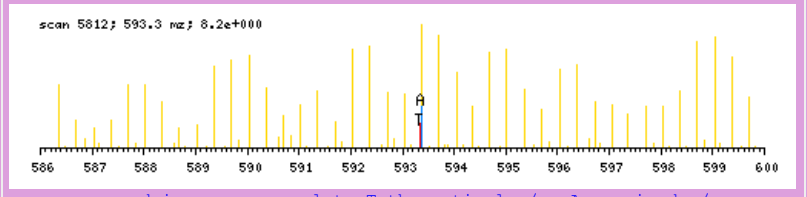
N-term:+29.04 K(2):+156.13

EKNGIDIYSLTVDSR, MH+ 1777.9972, m/z 593.3373
H OS G33 P160811 220811-s1.05815.05815.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



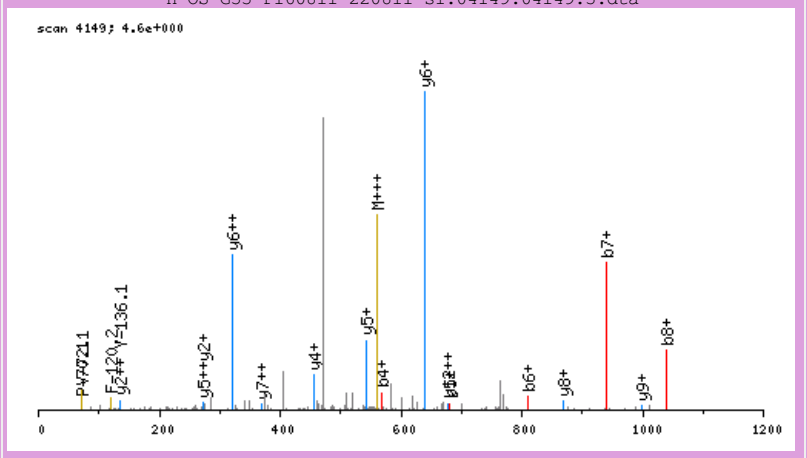
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
326.2716	2	K	14	1614.8915	807.9497
440.3145	3	N	13	1452.7334	726.8706
497.3360	4	G	12	1338.6905	669.8492
610.4200	5	I	11	1281.6691	641.3384
725.4470	6	D	10	1168.5850	584.7964
838.5311	7	I	9	1053.5580	**527.2829**
1001.5944	8	Y	8	**940.4740**	470.7409
1088.6264	9	S	7	**777.4107**	389.2092
1201.7105	10	L	6	**690.3786**	345.6932
1302.7582	11	T	5	**577.2946**	289.1512
1401.8266	12	V	4	**476.2469**	238.6274
1516.8535	13	D	3	**377.1785**	189.0931
1603.8855	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

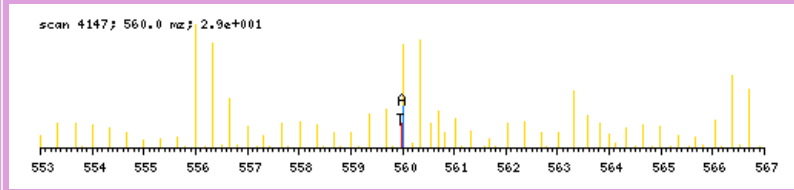
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EKNQLEEVPSALPR, MH+ 1677.9812, m/z 559.9986
H OS G33 P160811 220811-s1.04149.04149.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



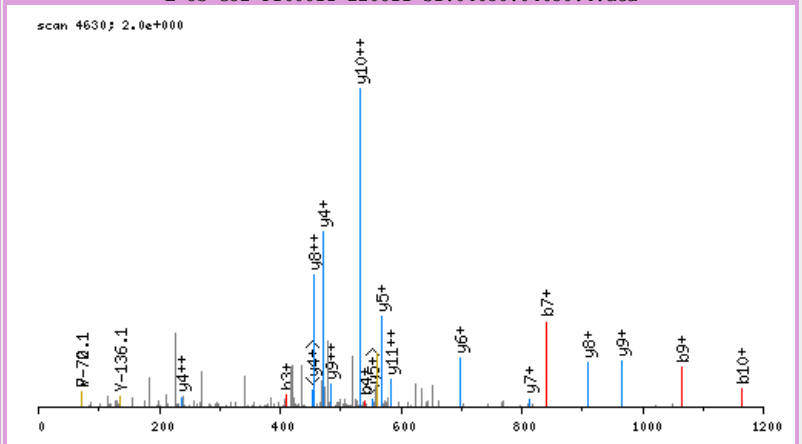
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
326.2716	2	K	13	1514.8755	757.9417
440.3145	3	N	12	1352.7174	**676.8626**
568.3731	4	Q	11	1238.6745	619.8412
681.4572	5	L	10	1110.6159	555.8119
810.4998	6	E	9	**997.5318**	499.2698
939.5423	7	E	8	**868.4892**	434.7485
1038.6108	8	V	7	739.4466	**370.2272**
1135.6635	9	P	6	**640.3782**	**320.6930**
1222.6956	10	S	5	**543.3255**	**272.1666**
1293.7327	11	A	4	**456.2934**	228.6506
1406.8167	12	L	3	385.2563	193.1321
1503.8695	13	P	2	**272.1723**	**136.5900**
	14	R	1	175.1195	88.0637

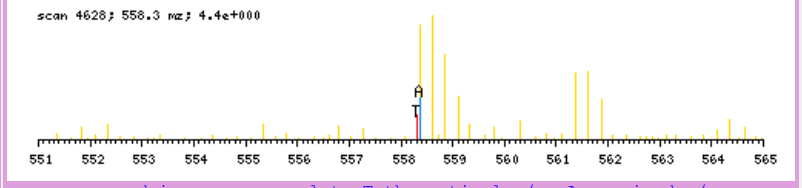
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EKPQTEAPQVTGPIEVPVVR, MH+ 2230.2447, m/z 558.3166
L OS G32 P160811 220811-s1.04630.04630.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

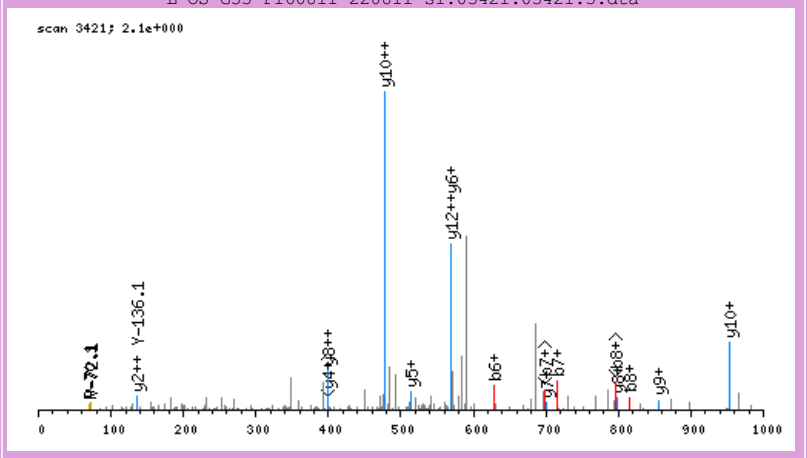


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

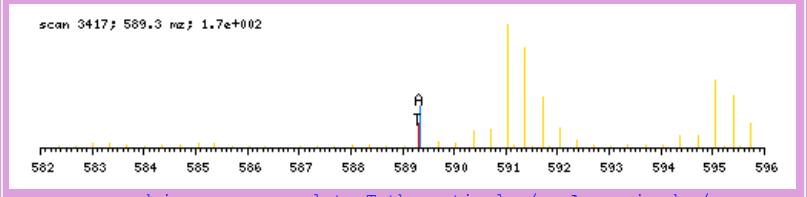
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
314.2080	2	K	19	2073.1709	1037.0893
411.2608	3	P	18	1917.0446	959.0262
539.3193	4	Q	17	1819.9918	910.4998
640.3670	5	T	16	1691.9332	846.4705
769.4096	6	E	15	1590.8855	795.9467
840.4467	7	A	14	1461.8429	731.4254
937.4995	8	P	13	1390.8058	695.9068
1065.5581	9	Q	12	1293.7531	647.3804
1164.6265	10	V	11	1165.6945	**583.3512**
1265.6742	11	T	10	1066.6261	**533.8169**
1322.6956	12	G	9	**965.5784**	**483.2931**
1419.7484	13	P	8	**908.5569**	**454.7824**
1532.8324	14	I	7	**811.5042**	406.2560
1661.8750	15	E	6	**698.4201**	349.7140
1760.9435	16	V	5	**569.3775**	285.1927
1857.9962	17	P	4	**470.3091**	**235.6585**
1957.0646	18	V	3	373.2563	187.1321
2056.1330	19	V	2	274.1879	137.5979
	20	R	1	175.1195	88.0637

N-term:+29.04 K(2):+156.13

EKSAGVSVPGPMGPSGPR, MH+ 1765.9271, m/z 589.3139
L OS G33 P160811 220811-s1.03421.03421.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

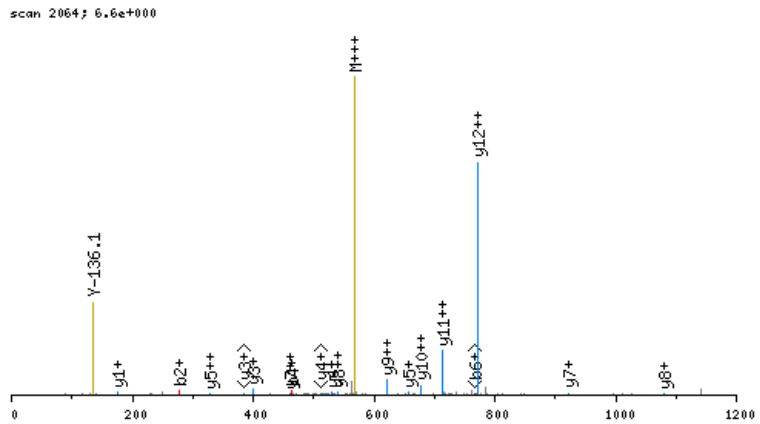
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
314.2080	2	K	17	1608.8532	804.9305
401.2400	3	S	16	1452.7269	726.8674
472.2771	4	A	15	1365.6949	683.3514
529.2986	5	G	14	1294.6578	647.8328
628.3670	6	V	13	1237.6363	619.3221
715.3990	7	S	12	1138.5679	**569.7879**
814.4675	8	V	11	1051.5359	526.2718
911.5202	9	P	10	**952.4675**	**476.7376**
968.5417	10	G	9	**855.4147**	428.2113
1065.5944	11	P	8	**798.3932**	**399.7005**
1196.6349	12	M	7	**701.3405**	351.1741
1253.6564	13	G	6	**570.3000**	285.6539
1350.7092	14	P	5	**513.2785**	257.1432
1437.7412	15	S	4	416.2258	208.6168
1494.7627	16	G	3	329.1937	165.1008
1591.8154	17	P	2	272.1723	**136.5900**
	18	R	1	175.1195	88.0637

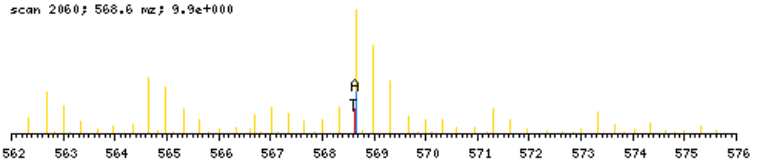
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ELADCCTKQEPER, MH+ 1703.8368, m/z 568.6171
H OS G34 P160811 220811-s1.02064.02064.3.dta



click image to zoom in; click top corners to zoom out [precursor‡]



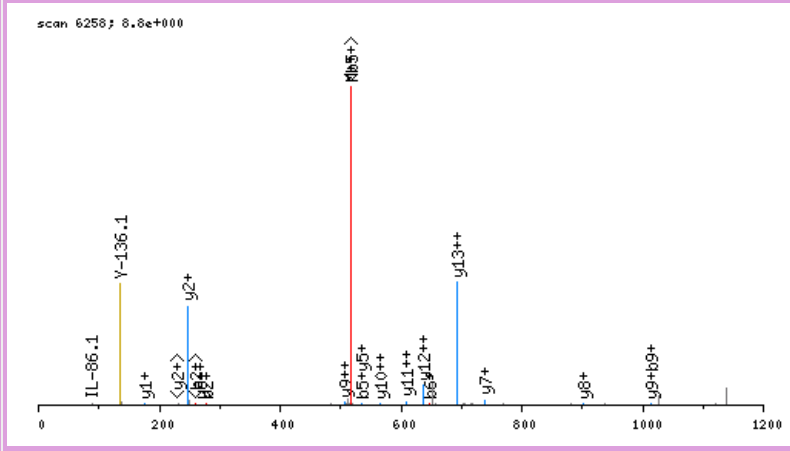
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
277.1976	2	L	12	1540.7311	**770.8695**
348.2347	3	A	11	1427.6471	**714.3274**
463.2616	4	D	10	1356.6100	**678.8089**
623.2922	5	C	9	1241.5830	**621.2954**
783.3228	6	C	8	**1081.5524**	**541.2801**
884.3705	7	T	7	**921.5218**	**461.2648**
1046.5286	8	K	6	820.4741	410.7410
1174.5872	9	Q	5	**658.3160**	**329.6619**
1303.6298	10	E	4	**530.2575**	265.6326
1400.6825	11	P	3	**401.2149**	201.1113
1529.7251	12	E	2	304.1621	152.5850
	13	R	1	**175.1195**	88.0637

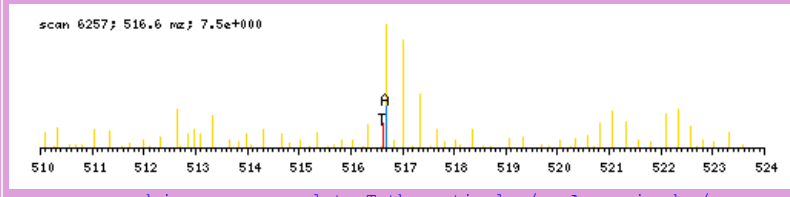
N-term:+35.07 C(5):+160.03
C(6):+160.03 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ELGSILKGFSSDAR, MH+ 1547.9069, m/z 516.6405
H OS G33 P160811 220811-s1.06258.06258.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



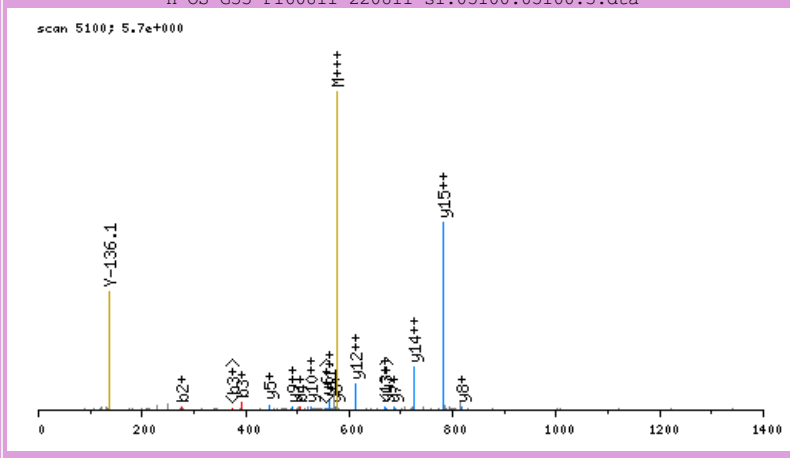
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
277.1976	2	L	13	1384.8013	692.9046
334.2190	3	G	12	1271.7172	636.3625
421.2510	4	S	11	1214.6957	607.8518
534.3351	5	I	10	1127.6637	564.3358
647.4192	6	L	9	1014.5797	507.7937
809.5773	7	K	8	901.4956	451.2517
866.5987	8	G	7	739.3375	370.1727
1013.6672	9	F	6	682.3160	341.6619
1100.6992	10	S	5	535.2476	268.1277
1187.7312	11	S	4	448.2156	224.6117
1302.7582	12	D	3	361.1836	181.0957
1373.7953	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

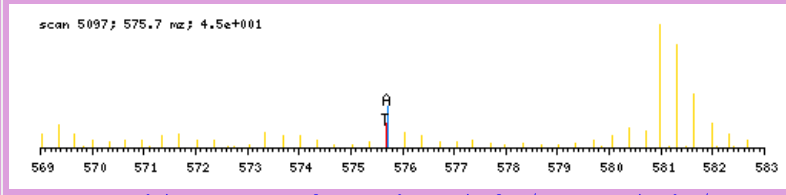
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ELNITAAKEIEVGGGR, MH+ 1725.0183, m/z 575.6776
H OS G33 P160811 220811-s1.05100.05100.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



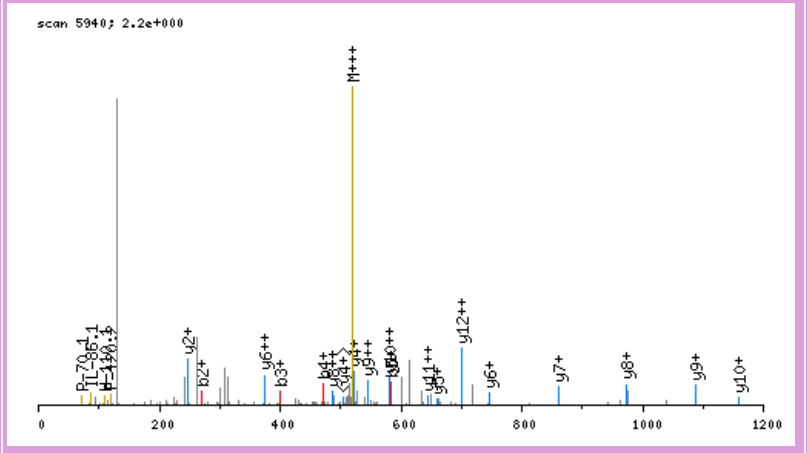
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	16		
277.1976	2	L	15	1561.9126	**781.4602**
391.2405	3	N	14	1448.8286	**724.9182**
504.3245	4	I	13	1334.7856	**667.8967**
605.3722	5	T	12	1221.7016	**611.3547**
676.4093	6	A	11	1120.6539	**560.8309**
747.4465	7	A	10	1049.6168	**525.3123**
909.6046	8	K	9	978.5797	**489.7937**
1038.6471	9	E	8	**816.4216**	408.7147
1151.7312	10	I	7	**687.3790**	344.1934
1280.7738	11	E	6	**574.2949**	287.6514
1379.8422	12	V	5	**445.2523**	223.1301
1436.8637	13	G	4	346.1839	173.5959
1493.8851	14	G	3	289.1624	145.0851
1550.9066	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

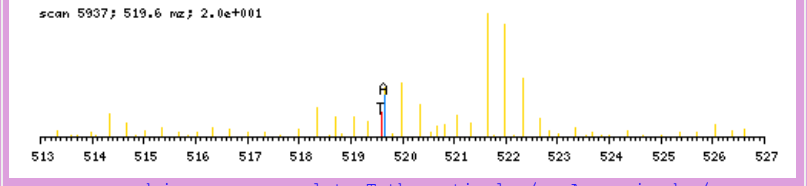
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ELQALIDSHFEAR, MH+ 1556.8073, m/z 519.6073
L OS G33 P160811 220811-s1.05940.05940.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



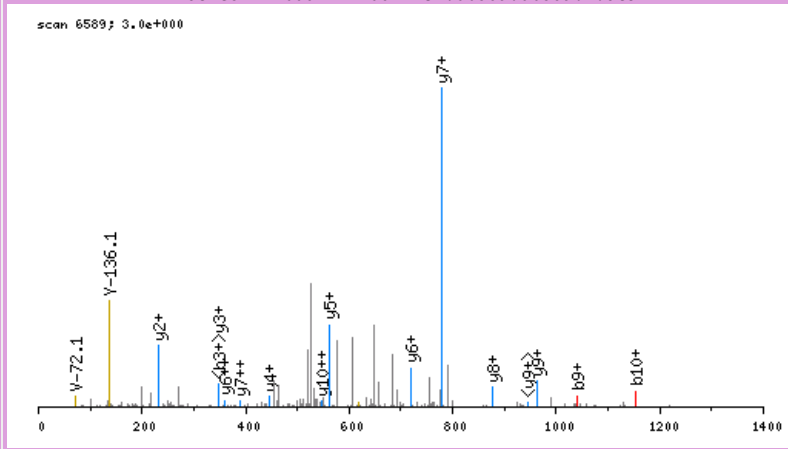
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
271.1658	2	L	12	1399.7334	**700.3706**
399.2243	3	Q	11	1286.6493	**643.8286**
470.2614	4	A	10	**1158.5907**	**579.7993**
583.3455	5	L	9	**1087.5536**	**544.2807**
696.4296	6	I	8	**974.4696**	**487.7387**
811.4565	7	D	7	**861.3855**	431.1967
898.4885	8	S	6	**746.3586**	**373.6832**
1035.5475	9	H	5	**659.3265**	330.1672
1182.6159	10	F	4	**522.2676**	261.6377
1311.6585	11	E	3	375.1992	188.1035
1382.6956	12	A	2	**246.1566**	123.5822
	13	R	1	175.1195	88.0637

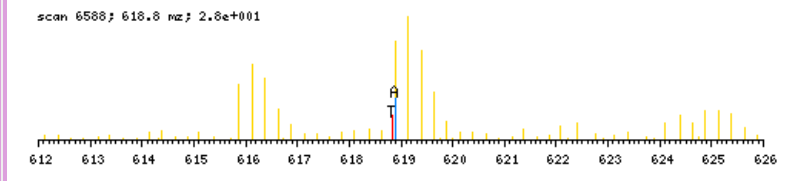
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ELSGTIKEILGTAQSVGCNVDGR, MH+ 2472.3404, m/z 618.8406
H OS G32 P160811 220811-s1.06589.06589.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



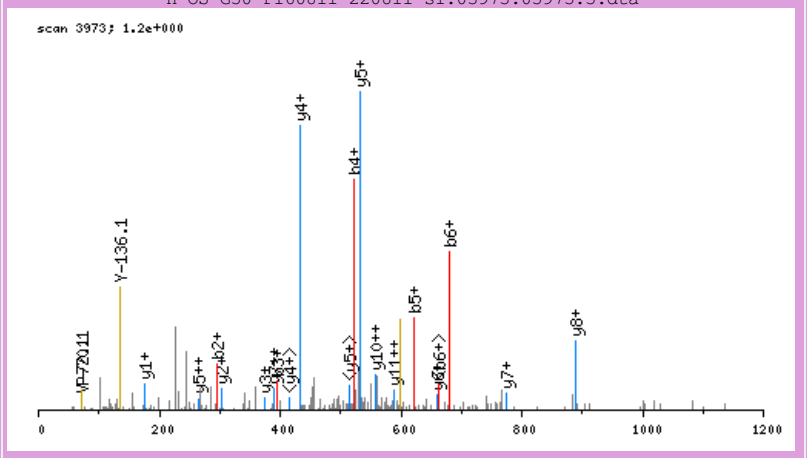
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	23		
277.1976	2	L	22	2309.2347	1155.1213
364.2296	3	S	21	2196.1506	1098.5792
421.2510	4	G	20	2109.1186	1055.0632
522.2987	5	T	19	2052.0972	1026.5525
635.3828	6	I	18	1951.0495	976.0286
797.5409	7	K	17	1837.9654	919.4866
926.5835	8	E	16	1675.8073	838.4076
1039.6675	9	I	15	1546.7647	773.8863
1152.7516	10	L	14	1433.6807	717.3442
1209.7731	11	G	13	1320.5966	660.8022
1310.8208	12	T	12	1263.5751	632.2915
1381.8579	13	A	11	1162.5274	581.7676
1509.9164	14	Q	10	1091.4903	**546.2491**
1596.9485	15	S	9	**963.4318**	482.2198
1696.0169	16	V	8	**876.3997**	438.7038
1753.0384	17	G	7	**777.3313**	**389.1696**
1913.0690	18	C	6	**720.3098**	**360.6588**
2027.1119	19	N	5	**560.2792**	280.6435
2126.1803	20	V	4	**446.2363**	223.6221
2241.2072	21	D	3	**347.1679**	174.0879
2298.2287	22	G	2	**232.1410**	116.5744
	23	R	1	175.1195	88.0637

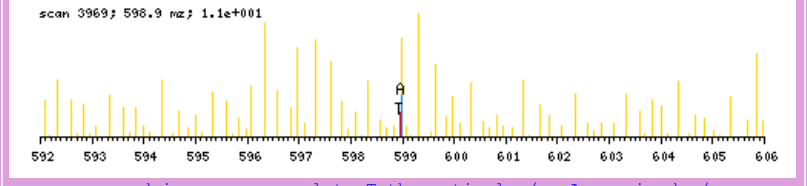
N-term:+35.07 K(7):+162.16
C(18):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EMVEVGPEDDEVGAER, MH+ 1794.8280, m/z 598.9475
H OS G30 P160811 220811-s1.03973.03973.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



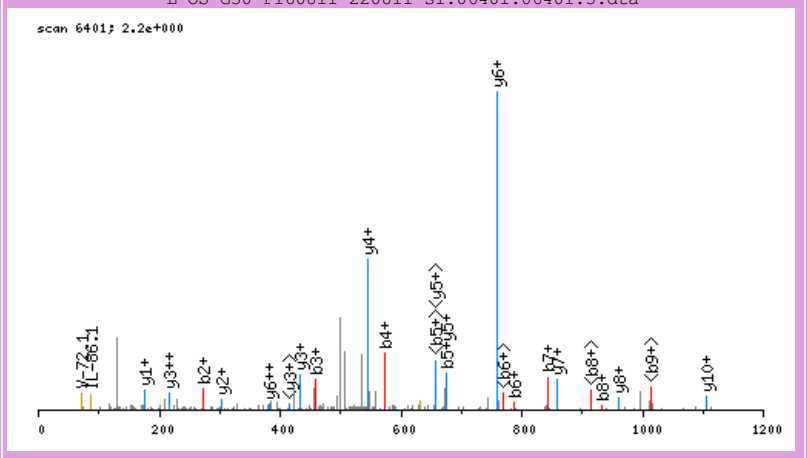
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	16		
295.1540	2	M	15	1631.7223	816.3651
394.2224	3	V	14	1500.6818	750.8448
523.2650	4	E	13	1401.6134	701.3106
622.3334	5	V	12	1272.5708	636.7893
679.3549	6	G	11	1173.5024	**587.2551**
776.4076	7	P	10	1116.4809	**558.7444**
905.4502	8	E	9	1019.4282	510.2180
1020.4772	9	D	8	**890.3856**	445.6967
1135.5041	10	D	7	**775.3586**	**388.1832**
1264.5467	11	E	6	**660.3317**	330.6698
1363.6151	12	V	5	**531.2891**	**266.1485**
1420.6366	13	G	4	**432.2207**	216.6142
1491.6737	14	A	3	**375.1992**	188.1035
1620.7163	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

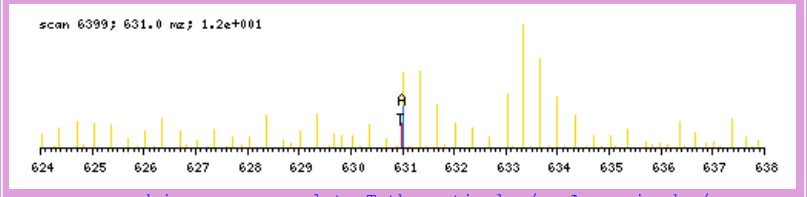
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ENWDTLGSTVSQLQER, MH+ 1890.9197, m/z 630.9781
L OS G30 P160811 220811-s1.06401.06401.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



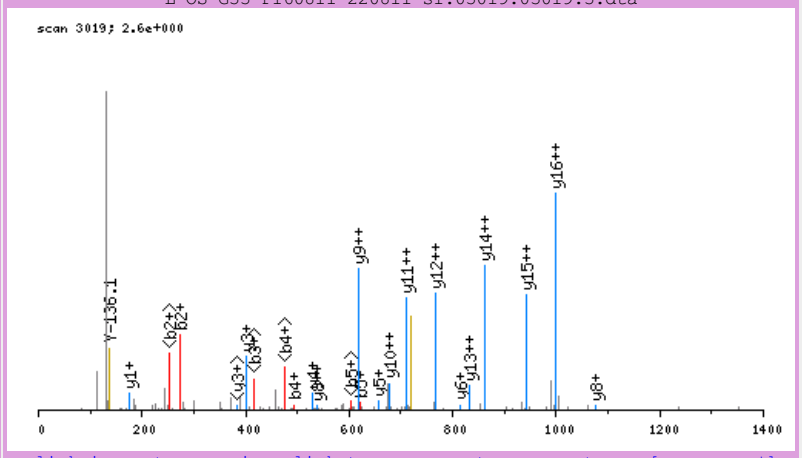
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
272.1246	2	N	15	1733.8459	867.4268
458.2039	3	W	14	1619.8029	810.4054
573.2309	4	D	13	1433.7236	717.3657
674.2786	5	T	12	1318.6967	659.8522
787.3626	6	L	11	1217.6490	609.3284
844.3841	7	G	10	**1104.5649**	552.7864
931.4161	8	S	9	1047.5435	524.2756
1032.4638	9	T	8	**960.5114**	480.7596
1131.5322	10	V	7	**859.4638**	430.2358
1218.5642	11	S	6	**760.3953**	**380.7016**
1346.6228	12	Q	5	**673.3633**	337.1856
1459.7069	13	L	4	**545.3047**	273.1563
1587.7655	14	Q	3	**432.2207**	**216.6142**
1716.8080	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

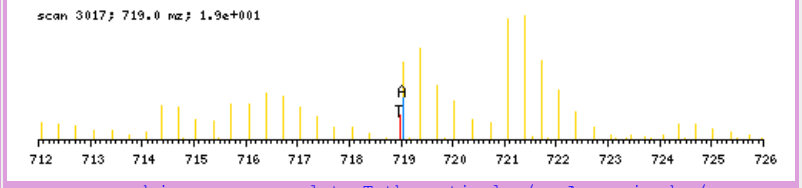
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ENYGELADCCTKQEPER, MH+ 2154.9435, m/z 718.9860
L OS G33 P160811 220811-s1.03019.03019.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



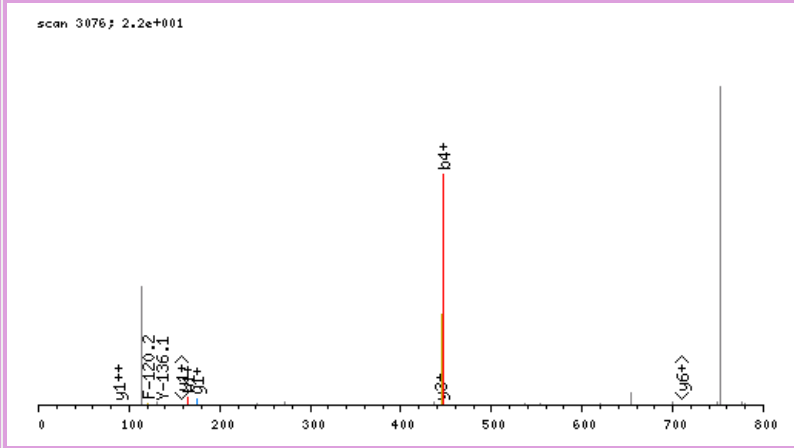
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
272.1246	2	N	16	1997.8696	**999.4387**
435.1879	3	Y	15	1883.8267	**942.4173**
492.2094	4	G	14	1720.7634	**860.8856**
621.2520	5	E	13	1663.7419	**832.3749**
734.3361	6	L	12	1534.6993	**767.8536**
805.3732	7	A	11	1421.6153	**711.3115**
920.4001	8	D	10	1350.5782	**675.7930**
1080.4307	9	C	9	1235.5512	**618.2795**
1240.4613	10	C	8	**1075.5206**	**538.2642**
1341.5090	11	T	7	915.4900	458.2489
1497.6353	12	K	6	**814.4423**	407.7251
1625.6939	13	Q	5	**658.3160**	329.6619
1754.7365	14	E	4	**530.2575**	265.6326
1851.7892	15	P	3	**401.2149**	201.1113
1980.8318	16	E	2	304.1621	152.5850
	17	R	1	**175.1195**	88.0637

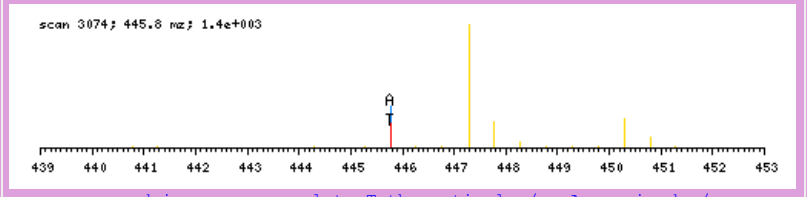
N-term:+29.04 C(9):+160.03
C(10):+160.03 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EPEGLRR, MH+ 890.5272, m/z 445.7672
H OS G31 P160811 220811-s1.03076.03076.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



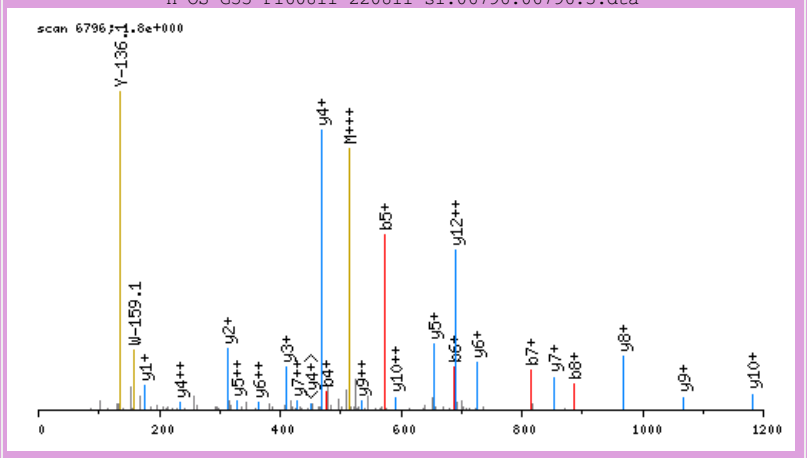
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	7		
261.1663	2	P	6	727.4215	364.2147
390.2089	3	E	5	630.3687	315.6883
447.2303	4	G	4	501.3261	251.1670
560.3144	5	L	3	444.3047	222.6563
716.4155	6	R	2	331.2206	166.1142
	7	R	1	175.1195	88.0637

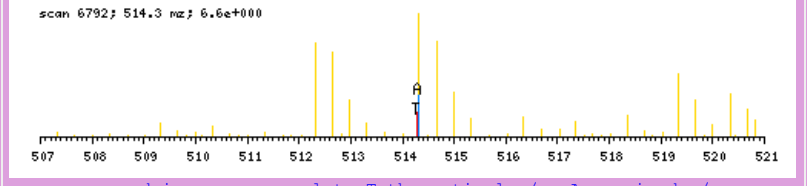
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EPVDVLEAWGVHR, MH+ 1540.8336, m/z 514.2827
H OS G33 P160811 220811-s1.06796.06796.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

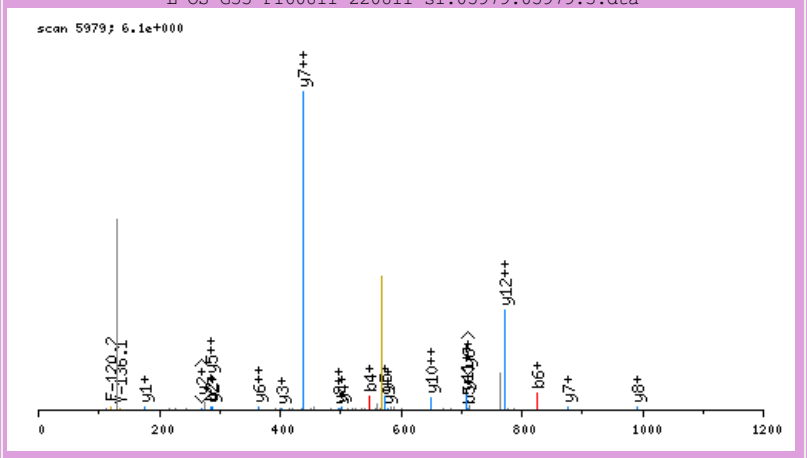


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

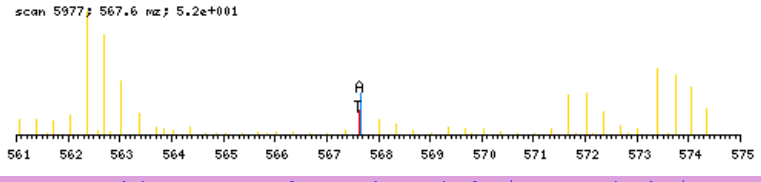
b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
261.1663	2	P	12	1377.7279	689.3679
360.2347	3	V	11	1280.6751	640.8415
475.2616	4	D	10	1181.6067	591.3073
574.3300	5	V	9	1066.5798	533.7938
687.4141	6	L	8	967.5114	484.2596
816.4567	7	E	7	854.4273	427.7176
887.4938	8	A	6	725.3847	363.1963
1073.5731	9	W	5	654.3476	327.6777
1130.5946	10	G	4	468.2683	234.6381
1229.6630	11	V	3	411.2468	206.1273
1366.7219	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

N-term:+35.07

EQDFYDFKAVNIR, MH+ 1700.8648, m/z 567.6265
L OS G33 P160811 220811-s1.05979.05979.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

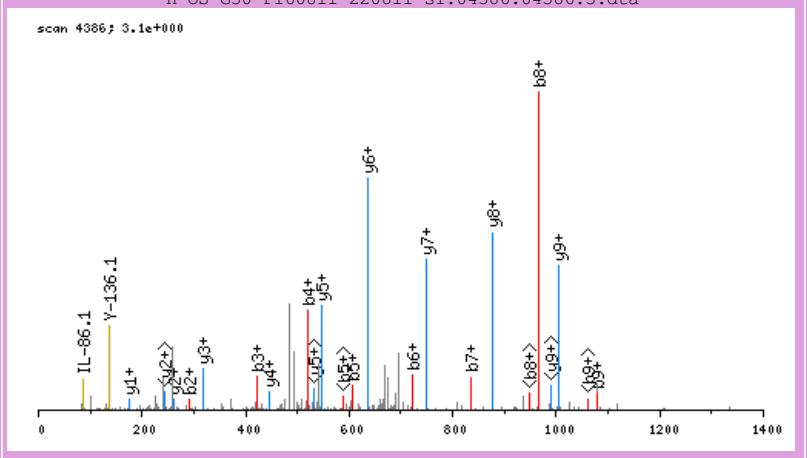
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
286.1403	2	Q	12	1543.7909	**772.3994**
401.1672	3	D	11	1415.7324	**708.3701**
548.2356	4	F	10	1300.7054	**650.8566**
711.2990	5	Y	9	1153.6370	**577.3224**
826.3259	6	D	8	**990.5737**	**495.7908**
973.3943	7	F	7	**875.5467**	**438.2773**
1129.5206	8	K	6	728.4783	**364.7431**
1200.5577	9	A	5	**572.3520**	**286.6799**
1299.6261	10	V	4	**501.3149**	251.1614
1413.6691	11	N	3	**402.2465**	201.6272
1526.7531	12	I	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

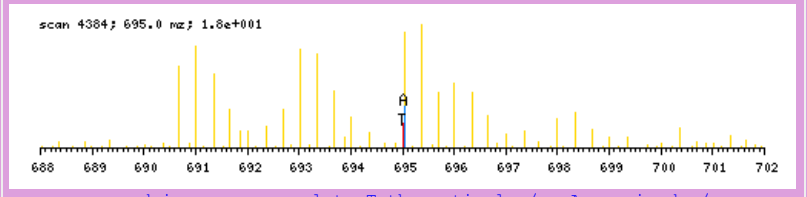
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EQEVSDNELQELSTQGSR, MH+ 2083.0003, m/z 695.0050
H OS G30 P160811 220811-s1.04386.04386.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



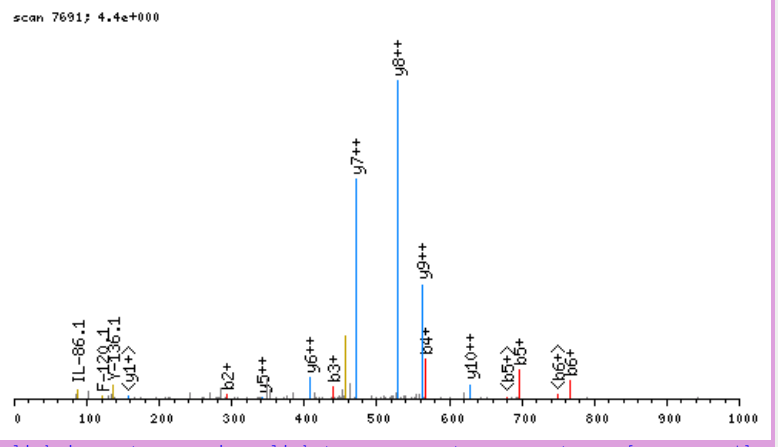
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
292.1721	2	Q	17	1919.8947	960.4512
421.2147	3	E	16	1791.8361	896.4220
520.2831	4	V	15	1662.7935	831.9007
607.3151	5	S	14	1563.7251	782.3664
722.3420	6	D	13	1476.6930	738.8504
836.3850	7	N	12	1361.6661	681.3370
965.4276	8	E	11	1247.6232	624.3155
1078.5116	9	L	10	1118.5806	559.7942
1206.5702	10	Q	9	1005.4965	503.2522
1335.6128	11	E	8	877.4379	439.2229
1448.6969	12	L	7	748.3953	374.7016
1535.7289	13	S	6	635.3113	318.1596
1636.7766	14	T	5	548.2792	274.6435
1764.8352	15	Q	4	447.2316	224.1197
1821.8566	16	G	3	319.1730	160.0904
1908.8886	17	S	2	262.1515	131.5797
	18	R	1	175.1195	88.0637

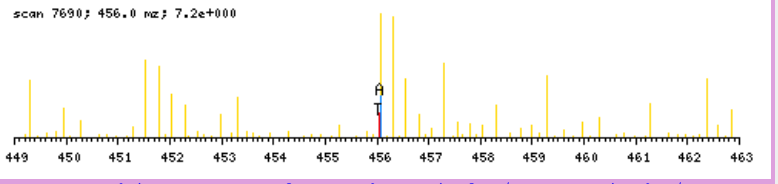
N-term:+35.07

EQFQEALEELAKKR, MH+ 1821.0971, m/z 456.0297
H OS G34 P160811 220811-s1.07691.07691.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
292.1721	2	Q	13	1657.9914	829.4996
439.2405	3	F	12	1529.9328	765.4703
567.2991	4	Q	11	1382.8644	691.9361
696.3417	5	E	10	1254.8058	627.9068
767.3788	6	A	9	1125.7632	563.3855
880.4628	7	L	8	1054.7261	527.8670
1009.5054	8	E	7	941.6421	471.3249
1138.5480	9	E	6	812.5995	406.8036
1251.6321	10	L	5	683.5569	342.2824
1322.6692	11	A	4	570.4728	285.7403
1484.8273	12	K	3	499.4357	250.2218
1646.9854	13	K	2	337.2776	169.1427
	14	R	1	175.1195	88.0637

N-term:+35.07 K(12):+162.16
K(13):+162.16

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: ○AVG ◉MONO

Axis: ◉1 ○2

Label: ◉I ○M ○-

Ions:

a ☐+ ☐2+ ☐3+

b ☑+ ☐2+ ☐3+

c ☐+ ☐2+ ☐3+

x ☐+ ☐2+ ☐3+

y ☑+ ☑2+ ☐3+

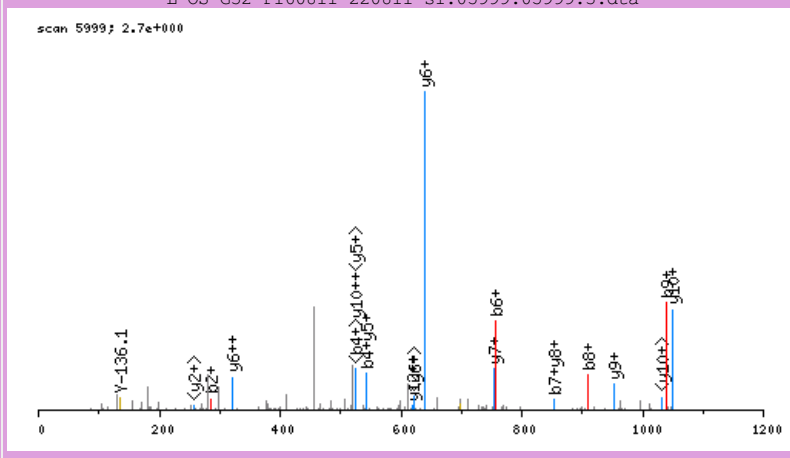
z ☐+ ☐2+ ☐3+

hide H_2O/NH_3 ☐

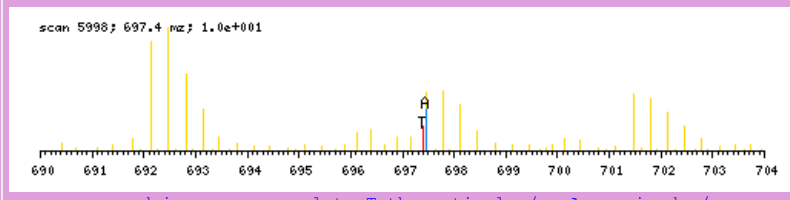
zoom 112-122 ☐

GO

EQKTVIPGMPTVIPPGLTR, MH+ 2090.2048, m/z 697.4064
L_OS_G32_P160811_220811-s1.05999.05999.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



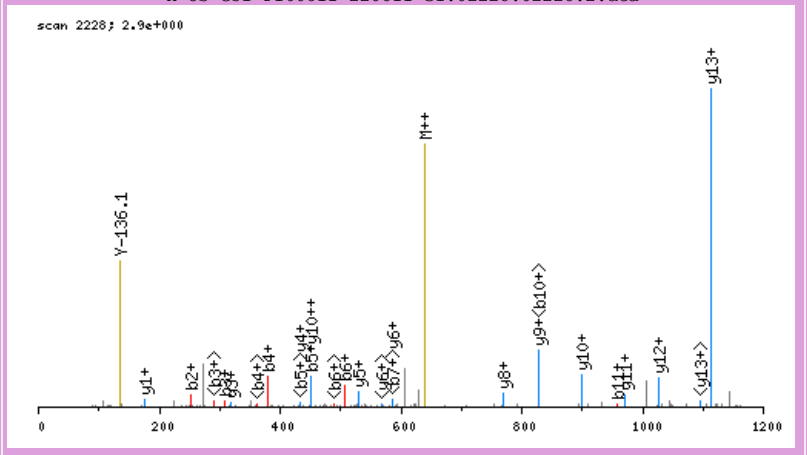
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	19		
286.1403	2	Q	18	1933.1309	967.0694
442.2666	3	K	17	1805.0723	903.0401
543.3142	4	T	16	1648.9460	824.9769
642.3827	5	V	15	1547.8983	774.4531
755.4667	6	I	14	1448.8299	724.9189
852.5195	7	P	13	1335.7459	668.3768
909.5410	8	G	12	1238.6931	**619.8505**
1040.5814	9	M	11	1181.6716	591.3397
1137.6342	10	P	10	**1050.6312**	**525.8195**
1238.6819	11	T	9	**953.5784**	477.2931
1337.7503	12	V	8	**852.5307**	426.7693
1450.8344	13	I	7	**753.4623**	377.2351
1547.8871	14	P	6	**640.3782**	**320.6930**
1644.9399	15	P	5	**543.3255**	272.1666
1701.9614	16	G	4	446.2727	223.6403
1815.0454	17	L	3	389.2512	195.1295
1916.0931	18	T	2	276.1672	138.5875
	19	R	1	175.1195	88.0637

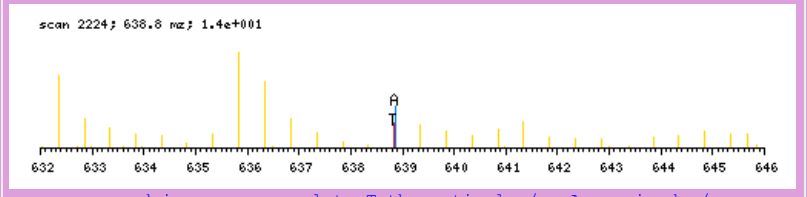
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ESGAAGPSGPIGSR, MH+ 1276.6709, m/z 638.8391
H OS G31 P160811 220811-s1.02228.02228.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



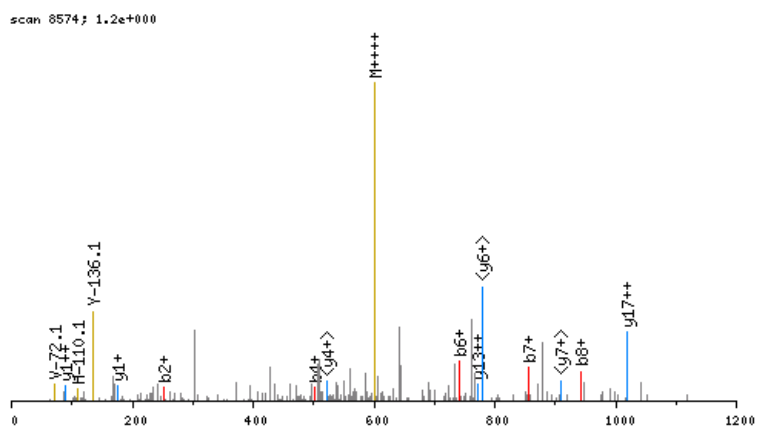
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
251.1455	2	S	13	**1113.5653**	557.2865
308.1670	3	G	12	**1026.5332**	513.7705
379.2041	4	A	11	**969.5118**	485.2598
450.2412	5	A	10	**898.4747**	**449.7412**
507.2627	6	G	9	**827.4375**	414.2227
604.3154	7	P	8	**770.4161**	385.7120
691.3475	8	S	7	673.3633	337.1856
748.3689	9	G	6	**586.3313**	293.6696
845.4217	10	P	5	**529.3098**	265.1588
958.5058	11	I	4	**432.2571**	216.6324
1015.5272	12	G	3	**319.1730**	160.0904
1102.5593	13	S	2	262.1515	131.5797
	14	R	1	**175.1195**	88.0637

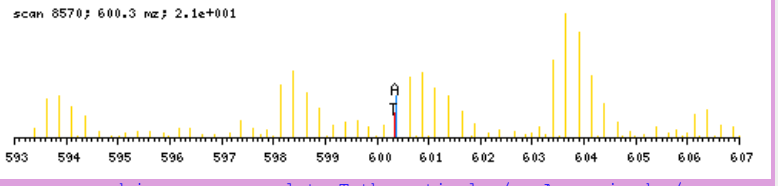
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ESIHLQLSSFPSLQEEDKSR, MH+ 2398.2890, m/z 600.3277
H OS G34 P160811 220811-s1.08574.08574.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



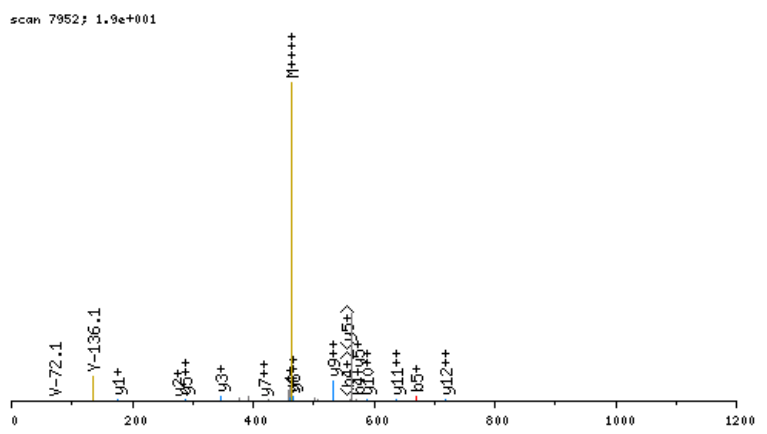
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	20		
251.1455	2	S	19	2235.1834	1118.0956
364.2296	3	I	18	2148.1513	1074.5796
501.2885	4	H	17	2035.0673	**1018.0376**
614.3726	5	L	16	1898.0084	949.5081
742.4311	6	Q	15	1784.9243	892.9661
855.5152	7	L	14	1656.8657	828.9368
942.5472	8	S	13	1543.7817	**772.3947**
1029.5793	9	S	12	1456.7496	728.8787
1176.6477	10	F	11	1369.7176	685.3627
1273.7004	11	P	10	1222.6492	611.8285
1360.7325	12	S	9	1125.5964	563.3021
1473.8165	13	L	8	1038.5644	519.7861
1601.8751	14	Q	7	925.4803	463.2441
1730.9177	15	E	6	797.4218	399.2148
1859.9603	16	E	5	668.3792	334.6935
1974.9872	17	D	4	539.3366	270.1722
2137.1453	18	K	3	424.3096	212.6587
2224.1774	19	S	2	262.1515	131.5797
	20	R	1	**175.1195**	**88.0637**

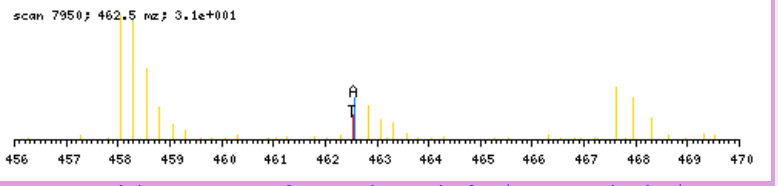
N-term:+35.07 K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ESKCPLMVKVLDAVR, MH+ 1847.1347, m/z 462.5391
H OS G34 P160811 220811-s1.07952.07952.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



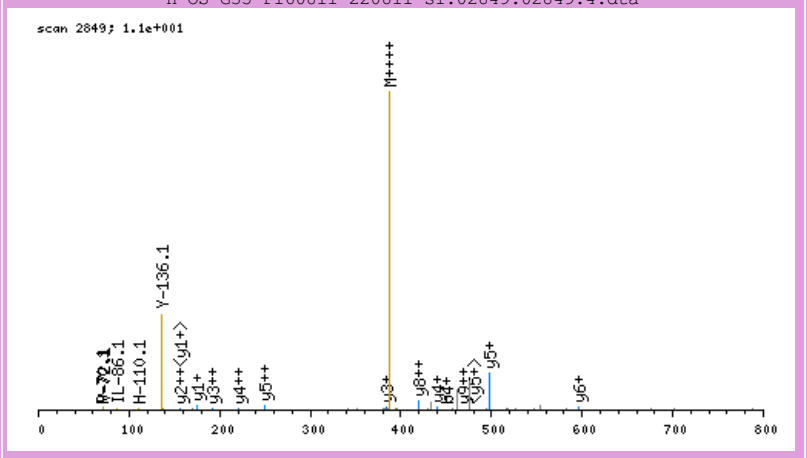
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
251.1455	2	S	14	1684.0290	842.5184
413.3036	3	K	13	1596.9970	799.0024
573.3342	4	C	12	1434.8389	**717.9234**
670.3870	5	P	11	1274.8083	**637.9081**
783.4710	6	L	10	1177.7555	**589.3817**
914.5115	7	M	9	1064.6714	**532.8396**
1013.5799	8	V	8	933.6310	**467.3194**
1175.7380	9	K	7	834.5625	**417.7852**
1274.8065	10	V	6	672.4044	336.7061
1387.8905	11	L	5	**573.3360**	**287.1719**
1502.9175	12	D	4	**460.2520**	230.6299
1573.9546	13	A	3	**345.2250**	173.1164
1673.0230	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

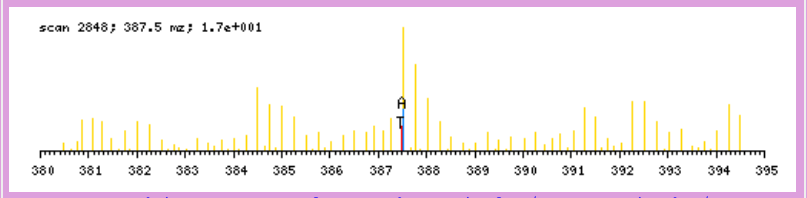
N-term:+35.07 K(3):+162.16
C(4):+160.03 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ESPTKVQLVGGAHR, MH+ 1546.9342, m/z 387.4890
H OS G35 P160811 220811-s1.02849.02849.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



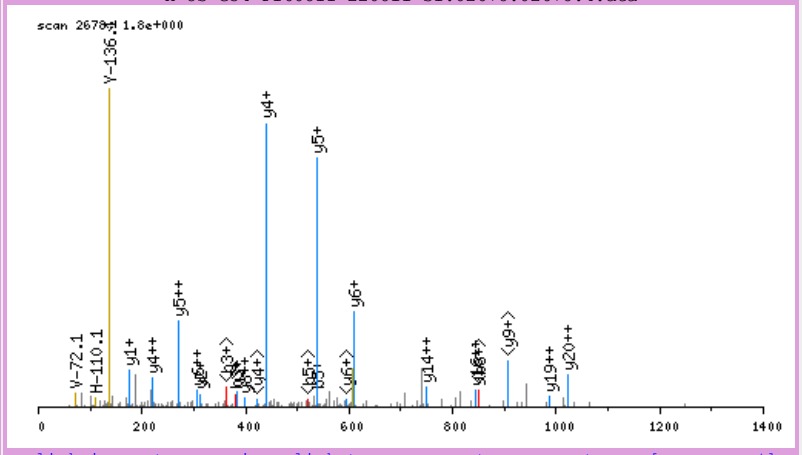
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
251.1455	2	S	13	1383.8285	692.4182
348.1983	3	P	12	1296.7965	648.9021
449.2460	4	T	11	1199.7437	600.3758
611.4041	5	K	10	1098.6960	549.8519
710.4725	6	V	9	936.5379	**468.7729**
838.5311	7	Q	8	837.4695	**419.2387**
951.6151	8	L	7	709.4109	355.2094
1050.6835	9	V	6	**596.3269**	298.6673
1107.7050	10	G	5	**497.2585**	**249.1331**
1164.7265	11	G	4	**440.2370**	**220.6224**
1235.7636	12	A	3	**383.2155**	**192.1117**
1372.8225	13	H	2	312.1784	**156.5931**
	14	R	1	**175.1195**	88.0637

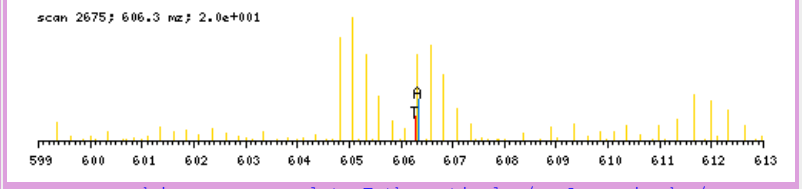
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ESQASDSEGHSDFSEGQAVGAHR, MH+ 2422.0719, m/z 606.2734
H OS G34 P160811 220811-s1.02678.02678.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



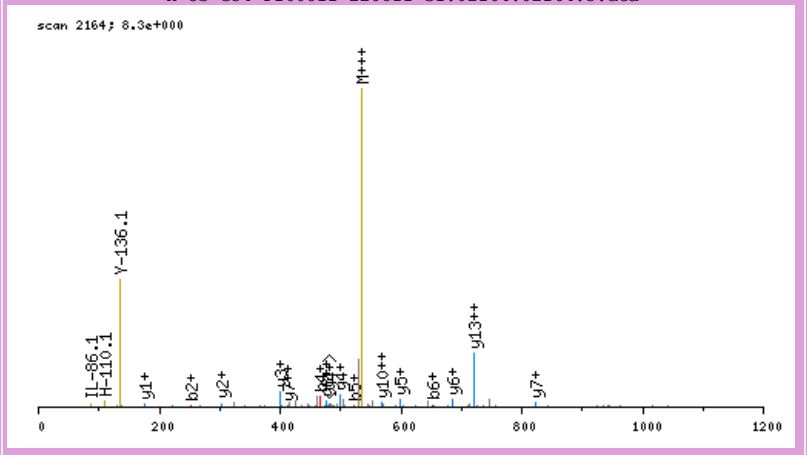
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	23		
251.1455	2	S	22	2258.9663	1129.9870
379.2041	3	Q	21	2171.9342	1086.4710
450.2412	4	A	20	2043.8756	**1022.4417**
537.2732	5	S	19	1972.8385	**986.9232**
652.3002	6	D	18	1885.8065	943.4072
739.3322	7	S	17	1770.7796	885.8937
868.3748	8	E	16	1683.7475	**842.3777**
925.3963	9	G	15	1554.7049	777.8564
1062.4552	10	H	14	1497.6835	**749.3457**
1149.4872	11	S	13	1360.6246	680.8162
1264.5142	12	D	12	1273.5925	637.3002
1411.5826	13	F	11	1158.5656	579.7867
1498.6146	14	S	10	1011.4972	506.2525
1627.6572	15	E	9	924.4652	462.7365
1684.6787	16	G	8	795.4226	**398.2152**
1812.7372	17	Q	7	738.4011	369.7045
1883.7743	18	A	6	**610.3425**	**305.6752**
1982.8428	19	V	5	**539.3054**	**270.1566**
2039.8642	20	G	4	**440.2370**	**220.6224**
2110.9013	21	A	3	**383.2155**	192.1117
2247.9602	22	H	2	**312.1784**	156.5931
	23	R	1	**175.1195**	88.0637

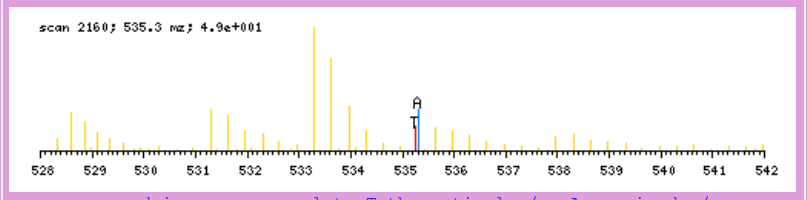
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ESSEGEEHSVVPQR, MH+ 1603.7776, m/z 535.2640
H OS G34 P160811 220811-s1.02164.02164.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



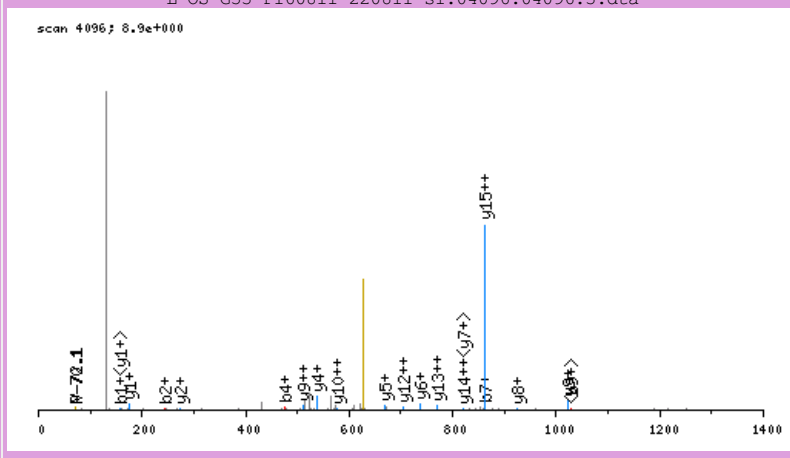
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	14		
251.1455	2	S	13	1440.6719	**720.8399**
338.1776	3	S	12	1353.6399	677.3239
467.2201	4	E	11	1266.6079	633.8078
524.2416	5	G	10	1137.5653	**569.2865**
653.2842	6	E	9	1080.5438	540.7758
782.3268	7	E	8	951.5012	**476.2545**
919.3857	8	H	7	**822.4586**	**411.7332**
1006.4177	9	S	6	**685.3997**	343.2038
1105.4861	10	V	5	**598.3677**	299.6877
1204.5546	11	V	4	**499.2993**	250.1535
1301.6073	12	P	3	**400.2308**	200.6193
1429.6659	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

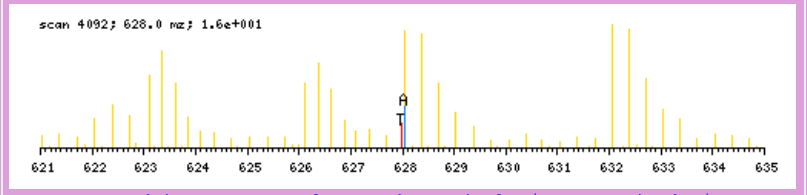
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ESVMKTEPSVAEYTVR, MH+ 1881.9632, m/z 627.9926
L OS G33 P160811 220811-s1.04096.04096.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



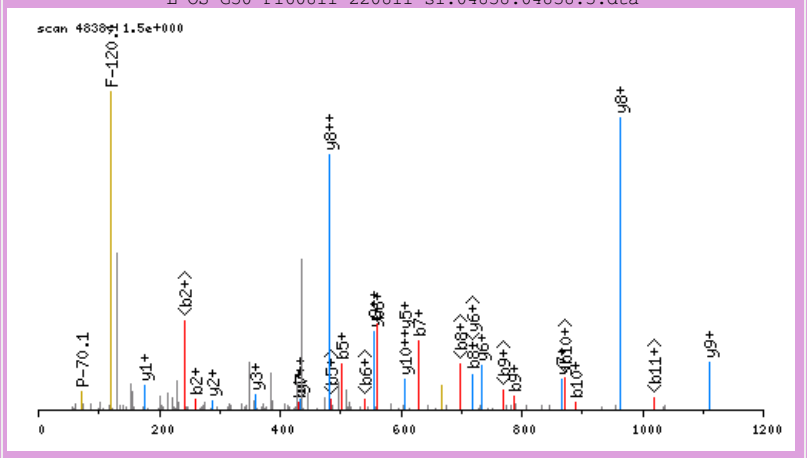
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
245.1137	2	S	15	1724.8893	862.9486
344.1821	3	V	14	1637.8573	819.4326
475.2226	4	M	13	1538.7889	769.8984
631.3489	5	K	12	1407.7484	704.3781
732.3966	6	T	11	1251.6221	626.3150
861.4392	7	E	10	1150.5744	575.7911
958.4920	8	P	9	1021.5318	511.2698
1045.5240	9	S	8	924.4791	462.7434
1144.5924	10	V	7	837.4470	419.2274
1215.6295	11	A	6	738.3786	369.6932
1344.6721	12	E	5	667.3415	334.1747
1507.7354	13	Y	4	538.2989	269.6534
1608.7831	14	T	3	375.2356	188.1217
1707.8515	15	V	2	274.1879	137.5979
	16	R	1	175.1195	88.0637

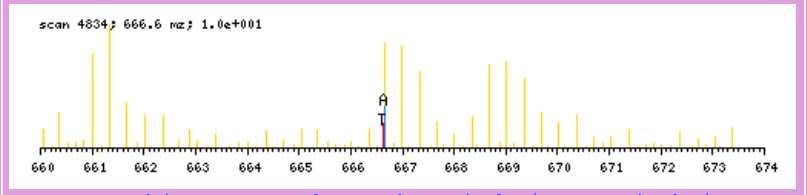
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ETGDAGASATFPMQCSALR, MH+ 1997.9060, m/z 666.6402
L OS G30 P160811 220811-s1.04838.04838.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



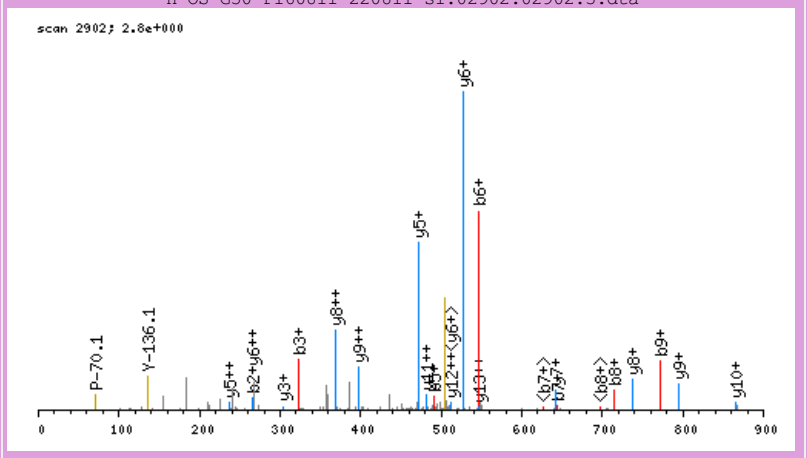
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	19		
259.1294	2	T	18	1840.8321	920.9200
316.1508	3	G	17	1739.7845	870.3961
431.1778	4	D	16	1682.7630	841.8854
502.2149	5	A	15	1567.7361	784.3719
559.2364	6	G	14	1496.6989	748.8534
630.2735	7	A	13	1439.6775	720.3427
717.3055	8	S	12	1368.6404	684.8241
788.3426	9	A	11	1281.6083	641.3081
889.3903	10	T	10	1210.5712	605.7895
1036.4587	11	F	9	1109.5235	555.2657
1133.5115	12	P	8	962.4551	481.7315
1264.5520	13	M	7	865.4024	433.2051
1392.6105	14	Q	6	734.3619	367.6849
1552.6411	15	C	5	606.3033	303.6556
1639.6732	16	S	4	446.2727	223.6403
1710.7103	17	A	3	359.2407	180.1243
1823.7943	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

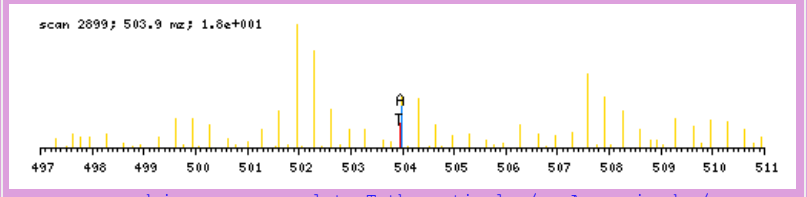
N-term:+29.04 C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ETGPAGPAGPIGPAGAR, MH+ 1509.8237, m/z 503.9461
H OS G30 P160811 220811-s1.02902.02902.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



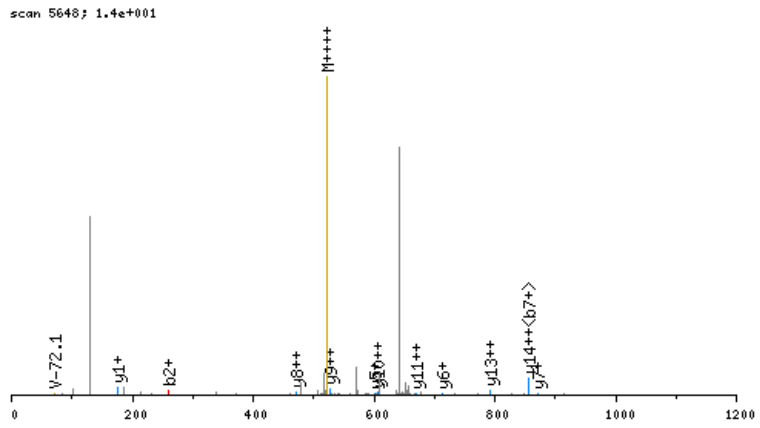
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	17		
265.1612	2	T	16	1346.7181	673.8629
322.1826	3	G	15	1245.6704	623.3391
419.2354	4	P	14	1188.6489	594.8284
490.2725	5	A	13	1091.5962	546.3020
547.2940	6	G	12	1020.5591	510.7834
644.3467	7	P	11	963.5376	482.2727
715.3839	8	A	10	866.4848	433.7463
772.4053	9	G	9	795.4477	398.2278
869.4581	10	P	8	738.4262	369.7170
982.5421	11	I	7	641.3735	321.1907
1039.5636	12	G	6	528.2894	264.6486
1136.6164	13	P	5	471.2680	236.1379
1207.6535	14	A	4	374.2152	187.6115
1264.6750	15	G	3	303.1781	152.0930
1335.7121	16	A	2	246.1566	123.5822
	17	R	1	175.1195	88.0637

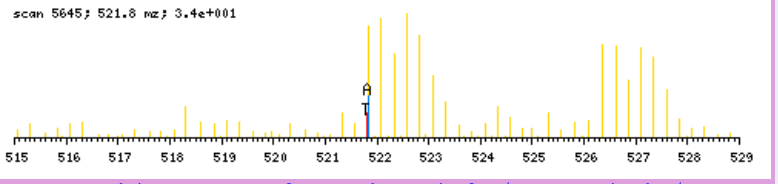
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ETIMNQEKLAKLQAQVR, MH+ 2084.1902, m/z 521.8030
L OS G34 P160811 220811-s1.05648.05648.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



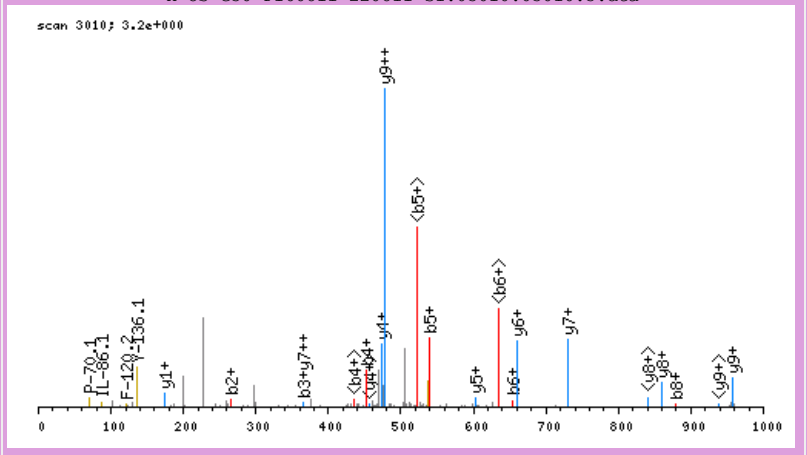
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
259.1294	2	T	16	1927.1164	964.0621
372.2134	3	I	15	1826.0687	913.5382
503.2539	4	M	14	1712.9846	**856.9962**
617.2968	5	N	13	1581.9441	**791.4760**
745.3554	6	Q	12	1467.9012	734.4545
874.3980	7	E	11	1339.8426	**670.4252**
1030.5243	8	K	10	1210.8000	**605.9039**
1143.6084	9	L	9	1054.6737	**527.8408**
1214.6455	10	A	8	941.5897	**471.2987**
1370.7718	11	K	7	**870.5525**	435.7802
1483.8559	12	L	6	**714.4262**	357.7170
1611.9144	13	Q	5	**601.3422**	301.1750
1682.9516	14	A	4	473.2836	237.1457
1811.0101	15	Q	3	402.2465	201.6272
1910.0785	16	V	2	274.1879	137.5979
	17	R	1	**175.1195**	88.0637

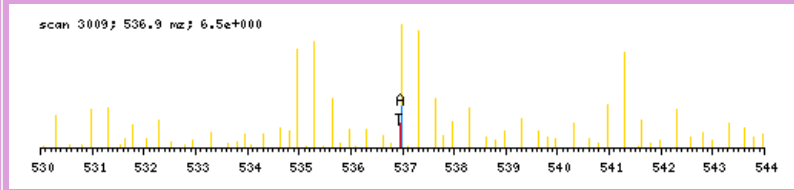
N-term:+29.04 K(8):+156.13
K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ETTSSIPEAGEGQIR, MH+ 1608.8293, m/z 536.9479
H OS G30 P160811 220811-s1.03010.03010.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



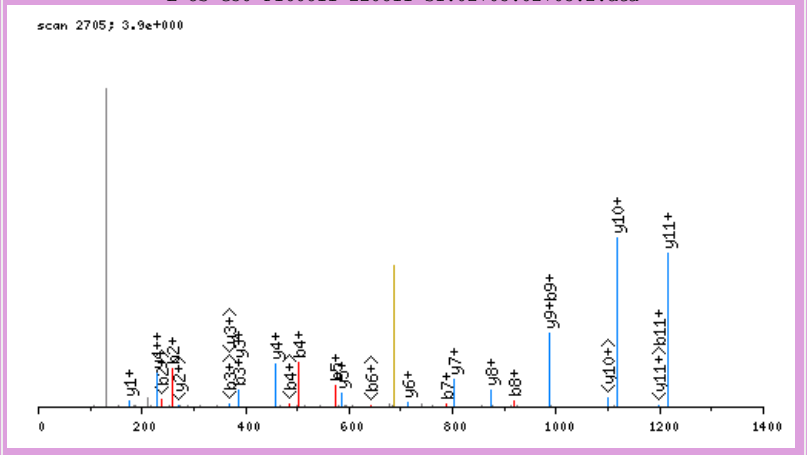
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
265.1612	2	T	14	1445.7236	723.3657
366.2089	3	T	13	1344.6759	672.8419
453.2409	4	S	12	1243.6283	622.3180
540.2729	5	S	11	1156.5962	578.8020
653.3570	6	I	10	1069.5642	535.2860
750.4097	7	P	9	956.4801	478.7440
879.4523	8	E	8	859.4274	430.2176
950.4894	9	A	7	730.3848	365.6963
1007.5109	10	G	6	659.3477	330.1777
1136.5535	11	E	5	602.3262	301.6670
1193.5750	12	G	4	473.2836	237.1457
1321.6335	13	Q	3	416.2621	208.6350
1434.7176	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

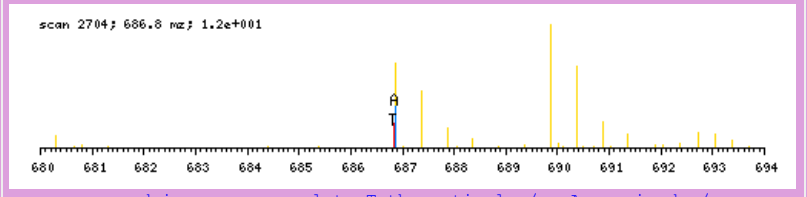
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EVEDASEEAPLR, MH+ 1372.6596, m/z 686.8334
L OS G30 P160811 220811-s1.02705.02705.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



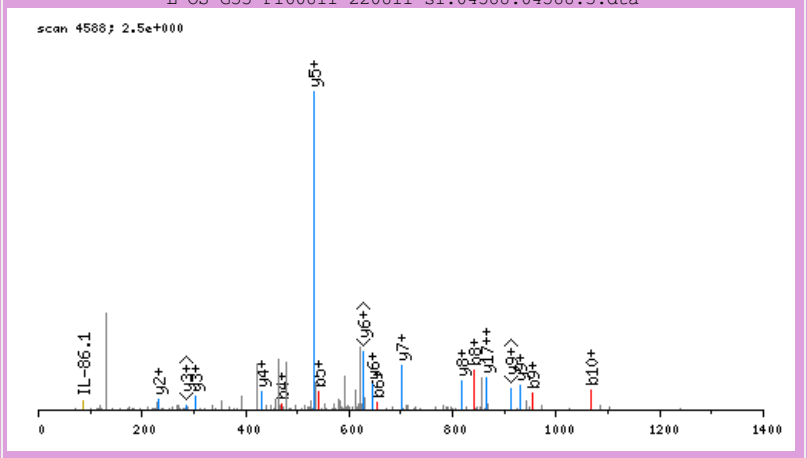
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
257.1501	2	V	11	1215.5857	608.2968
386.1927	3	E	10	1116.5173	558.7626
501.2196	4	D	9	987.4747	494.2413
572.2568	5	A	8	872.4478	436.7278
659.2888	6	S	7	801.4107	401.2092
788.3314	7	E	6	714.3786	357.6932
917.3740	8	E	5	585.3360	293.1719
988.4111	9	A	4	456.2934	228.6506
1085.4638	10	P	3	385.2563	193.1321
1198.5479	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

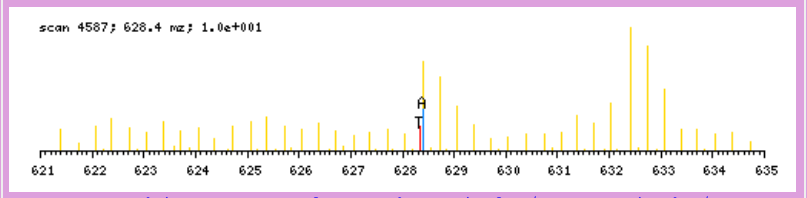
N-term:+29.04

EVGKALEGINNGITQAGR, MH+ 1883.0351, m/z 628.3499
L OS G33 P160811 220811-s1.04588.04588.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



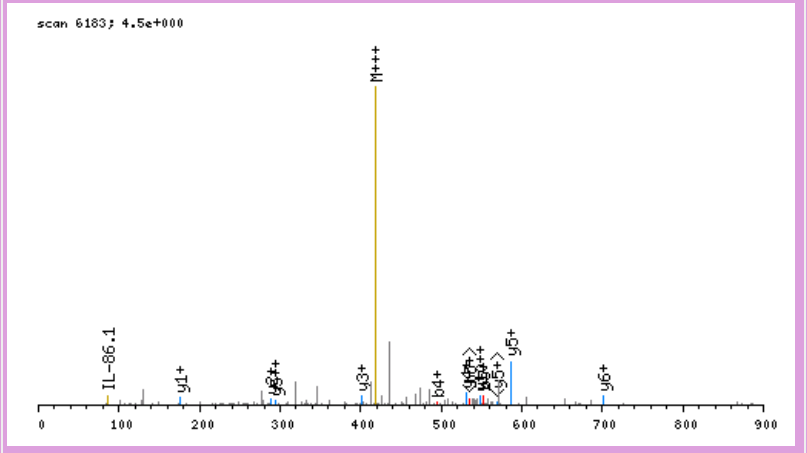
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
257.1501	2	V	17	1725.9612	**863.4845**
314.1716	3	G	16	1626.8928	813.9503
470.2979	4	K	15	1569.8713	785.4396
541.3350	5	A	14	1413.7450	707.3764
654.4190	6	L	13	1342.7079	671.8579
783.4616	7	E	12	1229.6238	615.3158
840.4831	8	G	11	1100.5812	550.7945
953.5672	9	I	10	1043.5598	522.2838
1067.6101	10	N	9	**930.4757**	465.7418
1181.6530	11	N	8	**816.4328**	408.7203
1238.6745	12	G	7	**702.3899**	351.6988
1351.7586	13	I	6	**645.3684**	323.1881
1452.8062	14	T	5	**532.2843**	266.6461
1580.8648	15	Q	4	**431.2367**	216.1222
1651.9019	16	A	3	**303.1781**	152.0930
1708.9234	17	G	2	**232.1410**	116.5744
	18	R	1	175.1195	88.0637

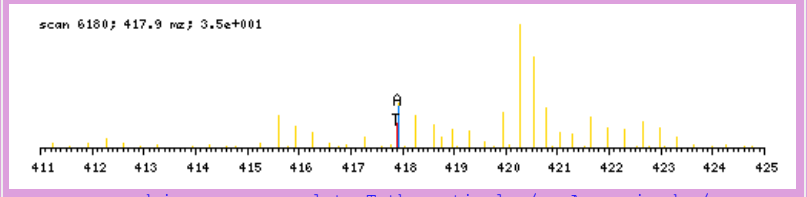
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EVHTGLGELLR, MH+ 1251.7061, m/z 417.9069
L OS G34 P160811 220811-s1.06183.06183.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



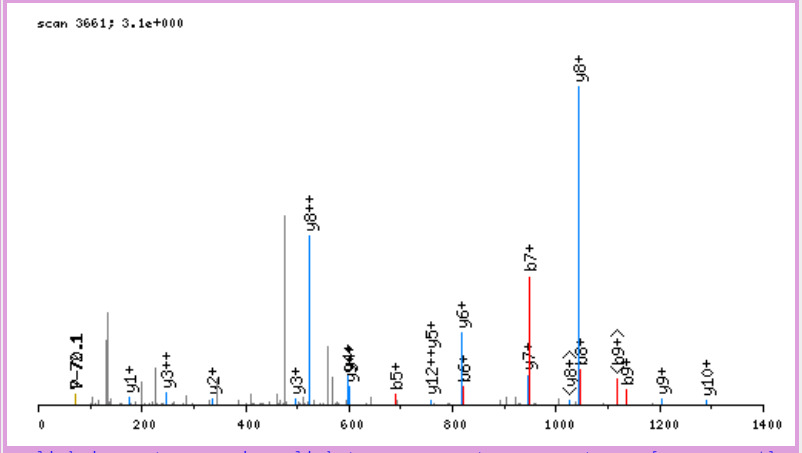
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
257.1501	2	V	10	1094.6322	**547.8200**
394.2090	3	H	9	995.5638	498.2858
495.2567	4	T	8	858.5049	429.7564
552.2782	5	G	7	757.4572	379.2325
665.3622	6	L	6	**700.4357**	350.7218
722.3837	7	G	5	**587.3517**	**294.1798**
851.4263	8	E	4	**530.3302**	265.6690
964.5103	9	L	3	**401.2876**	201.1477
1077.5944	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

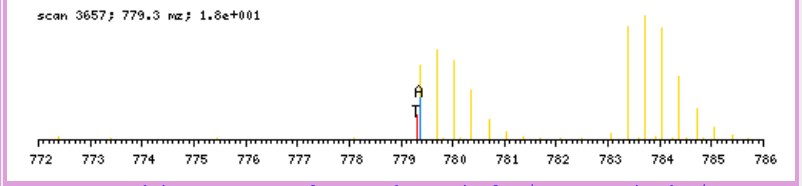
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EVKCDMEVSCPEGYTCCR, MH+ 2335.9488, m/z 779.3211
L OS G33 P160811 220811-s1.03661.03661.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



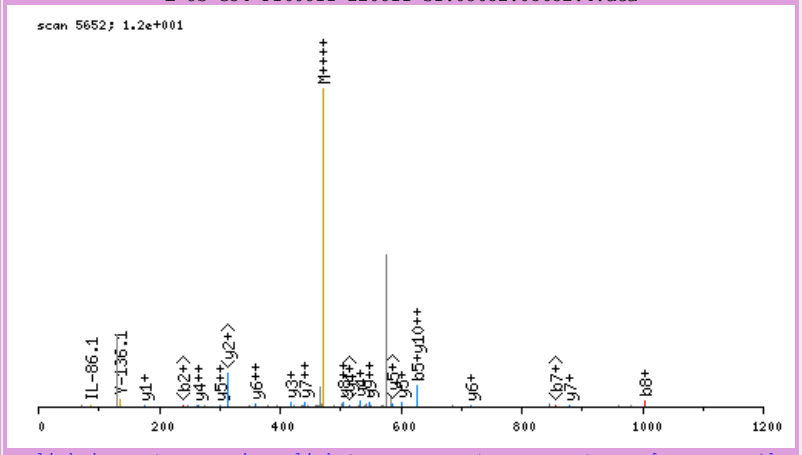
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
257.1501	2	V	17	2178.8749	1089.9414
413.2764	3	K	16	2079.8065	1040.4072
573.3070	4	C	15	1923.6802	962.3440
688.3340	5	D	14	1763.6496	882.3287
819.3744	6	M	13	1648.6226	824.8152
948.4170	7	E	12	1517.5822	**759.2950**
1047.4854	8	V	11	1388.5396	694.7737
1134.5175	9	S	10	**1289.4712**	645.2395
1294.5481	10	C	9	**1202.4391**	**601.7235**
1391.6008	11	P	8	**1042.4085**	**521.7082**
1520.6434	12	E	7	**945.3558**	473.1818
1577.6649	13	G	6	**816.3132**	408.6605
1740.7282	14	Y	5	**759.2917**	380.1498
1841.7759	15	T	4	**596.2284**	298.6181
2001.8065	16	C	3	**495.1807**	**248.0943**
2161.8371	17	C	2	**335.1501**	168.0790
	18	R	1	**175.1195**	88.0637

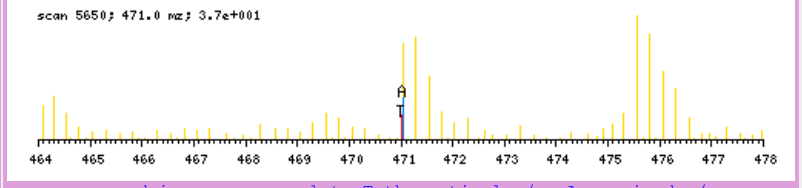
N-term:+29.04 K(3):+156.13
C(4):+160.03 C(10):+160.03
C(16):+160.03 C(17):+160.03

EVKVDCSEYLALSKR, MH+ 1881.0156, m/z 471.0093
L OS G34 P160811 220811-s1.05652.05652.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



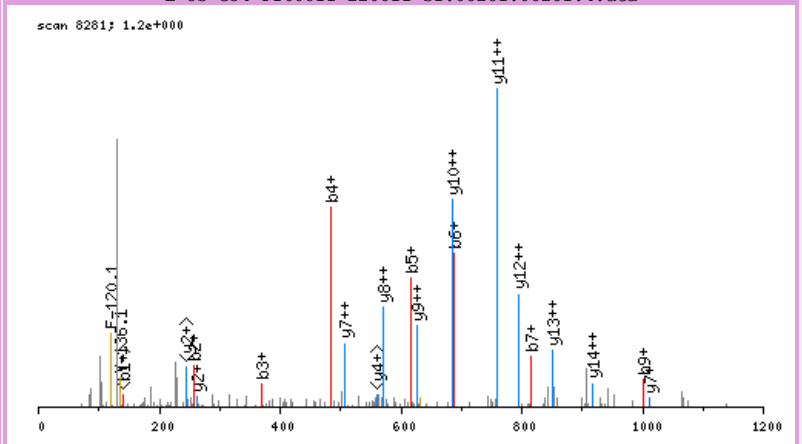
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
257.1501	2	V	14	1723.9417	862.4748
413.2764	3	K	13	1624.8733	812.9406
512.3448	4	V	12	1468.7470	734.8774
627.3718	5	D	11	1369.6786	685.3432
787.4024	6	C	10	1254.6516	**627.8297**
874.4344	7	S	9	1094.6210	**547.8144**
1003.4770	8	E	8	1007.5890	**504.2984**
1166.5403	9	Y	7	**878.5464**	**439.7771**
1279.6244	10	L	6	**715.4831**	**358.2454**
1350.6615	11	A	5	**602.3990**	**301.7034**
1463.7456	12	L	4	**531.3619**	**266.1849**
1550.7776	13	S	3	**418.2778**	209.6428
1706.9039	14	K	2	331.2458	166.1268
	15	R	1	**175.1195**	88.0637

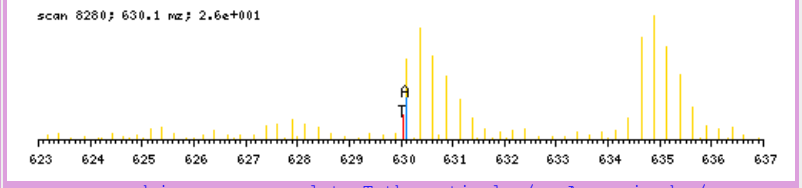
N-term:+29.04 K(3):+156.13
C(6):+160.03 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

EVLDMAENAFDDEYLKCKSR, MH+ 2517.2005, m/z 630.0556
L OS G34 P160811 220811-s1.08281.08281.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



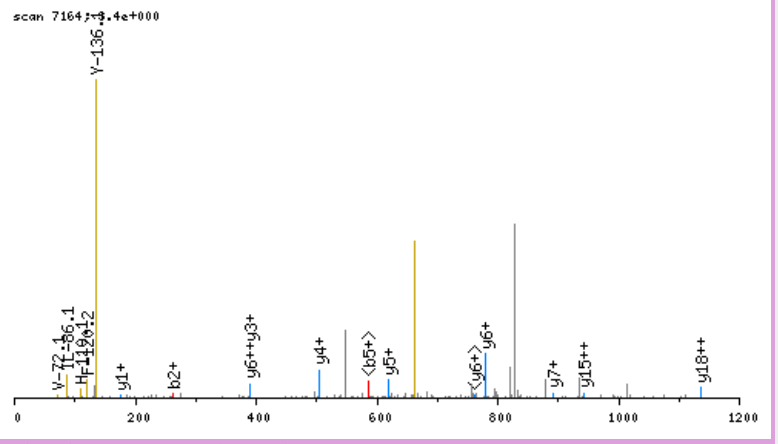
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
257.1501	2	V	19	2360.1267	1180.5672
370.2342	3	L	18	2261.0583	1131.0330
485.2611	4	D	17	2147.9742	1074.4910
616.3016	5	M	16	2032.9472	1016.9775
687.3387	6	A	15	1901.9068	951.4573
816.3813	7	E	14	1830.8696	**915.9387**
930.4242	8	N	13	1701.8271	**851.4174**
1001.4613	9	A	12	1587.7841	**794.3960**
1148.5298	10	F	11	1516.7470	**758.8774**
1263.5567	11	D	10	1369.6786	**685.3432**
1378.5836	12	D	9	1254.6517	**627.8297**
1507.6262	13	E	8	1139.6247	**570.3163**
1670.6896	14	Y	7	**1010.5821**	**505.7950**
1783.7736	15	L	6	847.5188	424.2633
1939.8999	16	K	5	734.4347	367.7213
2099.9305	17	C	4	578.3084	289.6581
2256.0568	18	K	3	418.2778	209.6428
2343.0889	19	S	2	**262.1515**	131.5797
	20	R	1	175.1195	88.0637

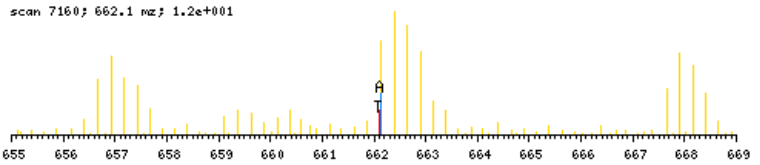
N-term:+29.04 K(16):+156.13
C(17):+160.03 K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EVLPEKADRDQYELLCLDNTR, MH+ 2645.3881, m/z 662.1025
H OS G34 P160811 220811-s1.07164.07164.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



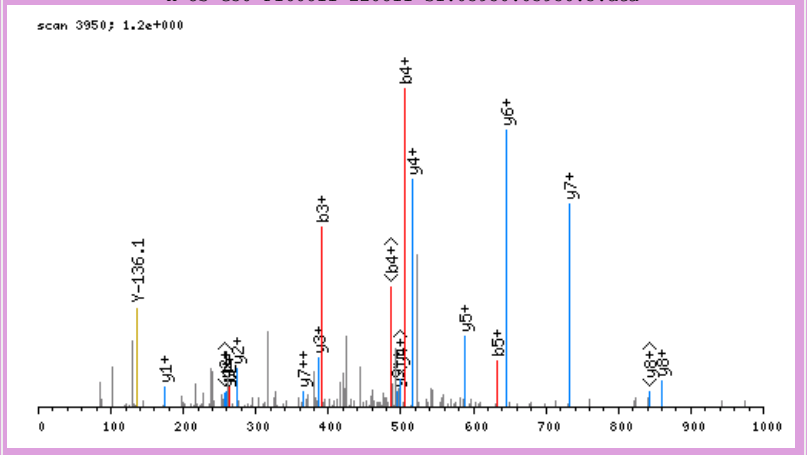
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	21		
263.1819	2	V	20	2482.2824	1241.6451
376.2660	3	L	19	2383.2140	1192.1109
473.3187	4	P	18	2270.1299	1135.5689
602.3613	5	E	17	2173.0771	1087.0425
764.5194	6	K	16	2044.0346	1022.5212
835.5565	7	A	15	1881.8765	941.4421
950.5835	8	D	14	1810.8393	905.9236
1106.6846	9	R	13	1695.8124	848.4101
1221.7115	10	D	12	1539.7113	770.3596
1349.7701	11	Q	11	1424.6843	712.8461
1512.8334	12	Y	10	1296.6258	648.8168
1641.8760	13	E	9	1133.5624	567.2851
1754.9601	14	L	8	1004.5198	502.7638
1868.0442	15	L	7	891.4358	446.2218
2028.0748	16	C	6	778.3517	389.6798
2141.1588	17	L	5	618.3211	309.6645
2256.1858	18	D	4	505.2370	253.1224
2370.2287	19	N	3	390.2101	195.6090
2471.2764	20	T	2	276.1672	138.5875
	21	R	1	175.1195	88.0637

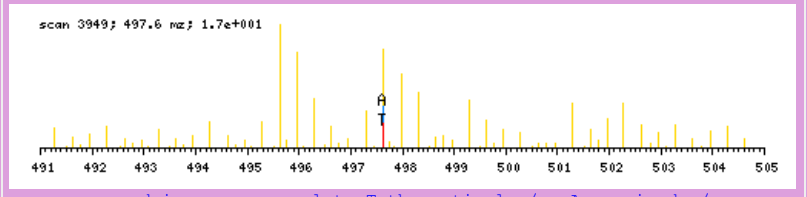
N-term:+35.07 K(6):+162.16
C(16):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EVQLQQSGAELVR, MH+ 1490.8391, m/z 497.6179
H OS G30 P160811 220811-s1.03950.03950.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



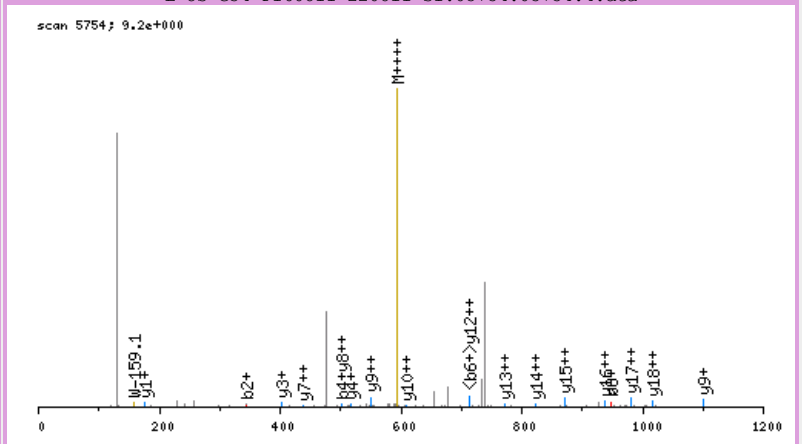
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
263.1819	2	V	12	1327.7334	664.3706
391.2405	3	Q	11	1228.6650	614.8364
504.3245	4	L	10	1100.6064	550.8071
632.3831	5	Q	9	987.5223	**494.2651**
760.4417	6	Q	8	**859.4638**	430.2358
847.4737	7	S	7	**731.4052**	**366.2065**
904.4952	8	G	6	**644.3731**	322.6905
975.5323	9	A	5	**587.3517**	294.1798
1104.5749	10	E	4	**516.3146**	**258.6612**
1217.6590	11	L	3	**387.2720**	194.1399
1316.7274	12	V	2	**274.1879**	137.5979
	13	R	1	**175.1195**	88.0637

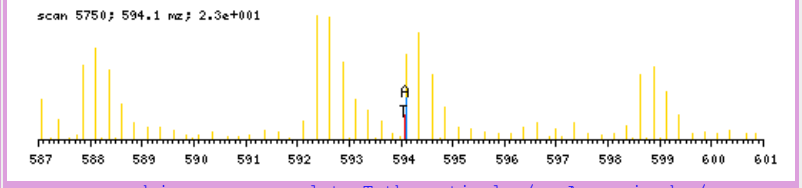
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EWASQTTDGKLPEVTKDVER, MH+ 2373.2302, m/z 594.0630
L OS G34 P160811 220811-s1.05754.05754.4.dta



click image to zoom in; click top corners to zoom out [precursor‡]



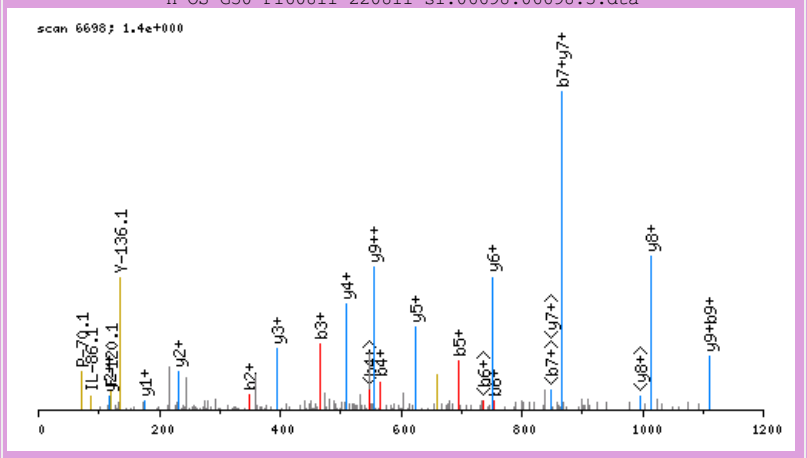
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
344.1610	2	W	19	2216.1564	1108.5821
415.1981	3	A	18	2030.0770	**1015.5424**
502.2301	4	S	17	1959.0399	**980.0239**
630.2887	5	Q	16	1872.0079	**936.5079**
731.3364	6	T	15	1743.9493	**872.4786**
832.3841	7	T	14	1642.9016	**821.9547**
947.4110	8	D	13	1541.8540	**771.4309**
1004.4325	9	G	12	1426.8270	**713.9174**
1160.5588	10	K	11	1369.8056	685.4067
1273.6429	11	L	10	1213.6793	**607.3435**
1370.6956	12	P	9	**1100.5952**	**550.8015**
1499.7382	13	E	8	1003.5424	**502.2751**
1598.8066	14	V	7	874.4998	**437.7538**
1699.8543	15	T	6	775.4314	388.2196
1855.9806	16	K	5	674.3838	337.6958
1971.0075	17	D	4	**518.2575**	259.6326
2070.0760	18	V	3	**403.2305**	202.1192
2199.1186	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

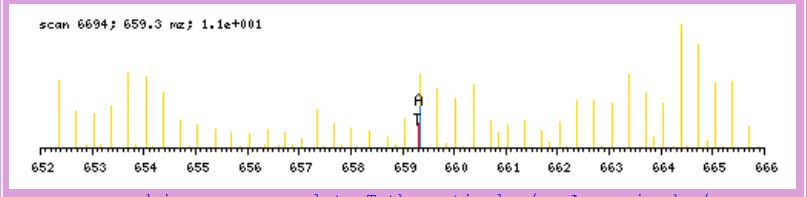
N-term:+29.04 K(10):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EWDTEGNPFDQDIYGR, MH+ 1975.8886, m/z 659.3010
H OS G30 P160811 220811-s1.06698.06698.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



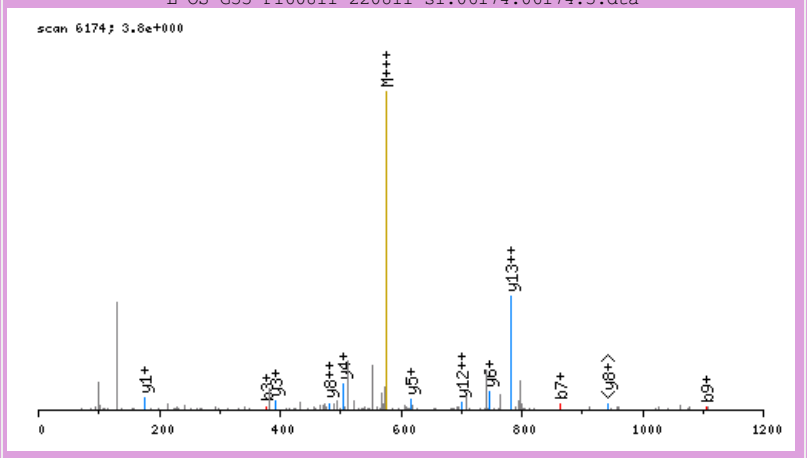
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	16		
350.1928	2	W	15	1812.7829	906.8954
465.2197	3	D	14	1626.7036	813.8557
566.2674	4	T	13	1511.6767	756.3422
695.3100	5	E	12	1410.6290	705.8184
752.3315	6	G	11	1281.5864	641.2971
866.3744	7	N	10	1224.5649	612.7864
963.4272	8	P	9	1110.5220	555.7649
1110.4956	9	F	8	1013.4692	507.2385
1225.5225	10	D	7	866.4008	433.7043
1353.5811	11	Q	6	751.3739	376.1909
1468.6081	12	D	5	623.3153	312.1616
1581.6921	13	I	4	508.2884	254.6481
1744.7554	14	Y	3	395.2043	198.1061
1801.7769	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

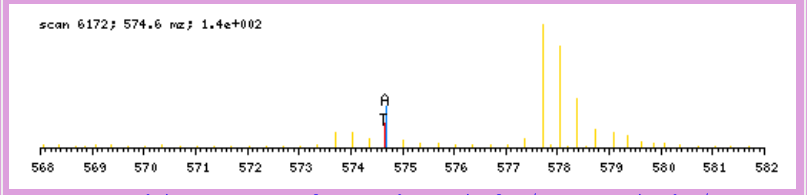
N-term:+35.07

EYGKIDTIEIITDR, MH+ 1721.9326, m/z 574.6490
L OS G33 P160811 220811-s1.06174.06174.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



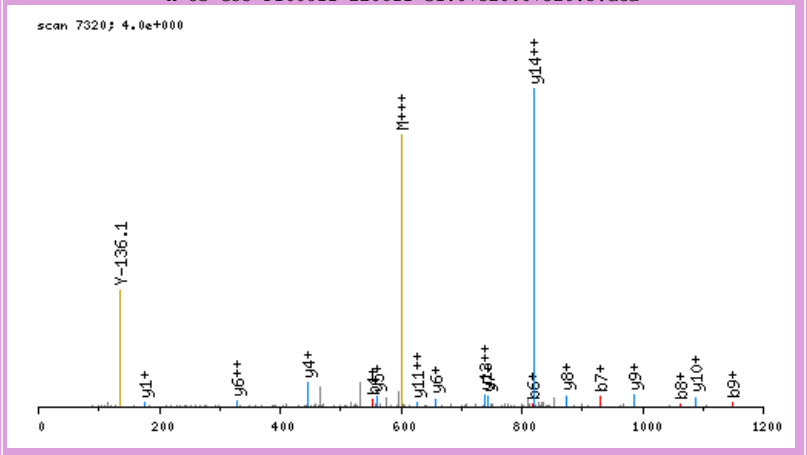
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
321.1450	2	Y	13	1564.8587	**782.9333**
378.1665	3	G	12	1401.7954	**701.4016**
534.2928	4	K	11	1344.7739	672.8909
647.3768	5	I	10	1188.6476	594.8277
762.4038	6	D	9	1075.5635	538.2857
863.4515	7	T	8	960.5366	**480.7722**
976.5355	8	I	7	859.4889	430.2484
1105.5781	9	E	6	**746.4048**	373.7063
1218.6622	10	I	5	**617.3623**	309.1850
1331.7463	11	I	4	**504.2782**	252.6430
1432.7939	12	T	3	**391.1941**	196.1010
1547.8209	13	D	2	290.1464	145.5771
	14	R	1	**175.1195**	88.0637

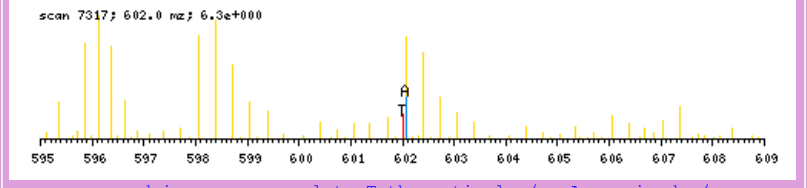
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

EYNLKTLMSPLGITR, MH+ 1804.0679, m/z 602.0275
H OS G33 P160811 220811-s1.07320.07320.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



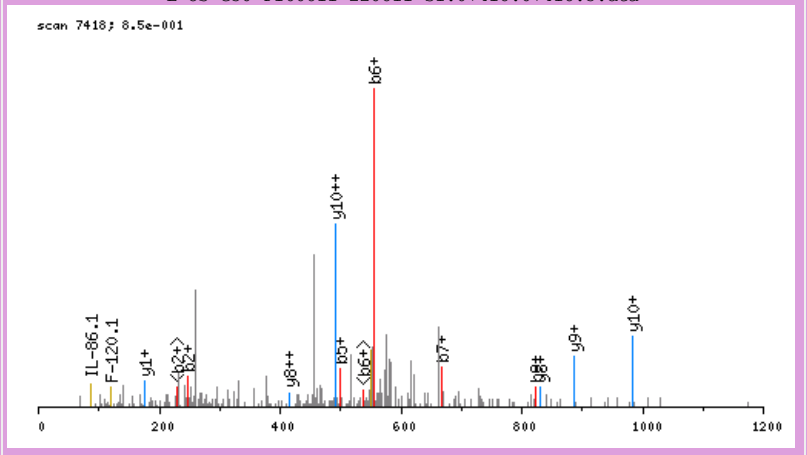
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
327.1768	2	Y	14	1640.9622	**820.9850**
441.2197	3	N	13	1477.8989	**739.4534**
554.3038	4	L	12	1363.8560	682.4319
716.4619	5	K	11	1250.7719	**625.8899**
817.5096	6	T	10	**1088.6138**	544.8108
930.5937	7	L	9	**987.5661**	494.2870
1061.6341	8	M	8	**874.4820**	437.7449
1148.6662	9	S	7	**743.4416**	372.2247
1245.7189	10	P	6	**656.4095**	**328.7087**
1358.8030	11	L	5	**559.3568**	280.1823
1415.8245	12	G	4	**446.2727**	223.6403
1528.9085	13	I	3	389.2512	195.1295
1629.9562	14	T	2	276.1672	138.5875
	15	R	1	**175.1195**	88.0637

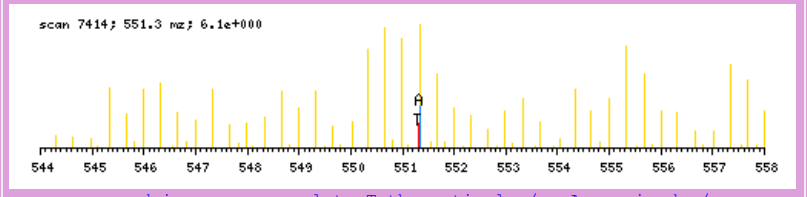
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FAGPPGLPGLPGHPGPR, MH+ 1651.9072, m/z 551.3073
L OS G30 P160811 220811-s1.07418.07418.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



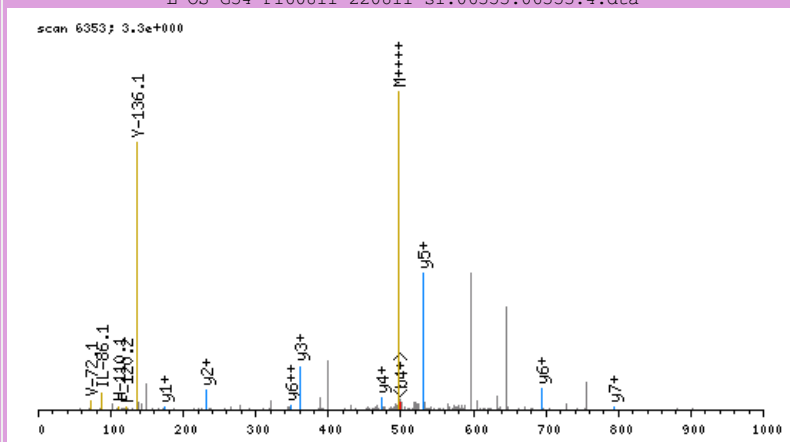
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	17		
247.1446	2	A	16	1476.8076	738.9077
304.1661	3	G	15	1405.7704	703.3891
401.2189	4	P	14	1348.7490	674.8784
498.2716	5	P	13	1251.6962	626.3520
555.2931	6	G	12	1154.6435	577.8256
668.3771	7	L	11	1097.6220	549.3149
765.4299	8	P	10	**984.5379**	**492.7729**
822.4514	9	G	9	**887.4852**	444.2465
935.5354	10	L	8	**830.4637**	**415.7358**
1032.5882	11	P	7	717.3796	359.1937
1089.6097	12	G	6	620.3269	310.6673
1226.6686	13	H	5	563.3054	282.1566
1323.7213	14	P	4	426.2465	213.6272
1380.7428	15	G	3	329.1937	165.1008
1477.7956	16	P	2	272.1723	136.5900
	17	R	1	**175.1195**	88.0637

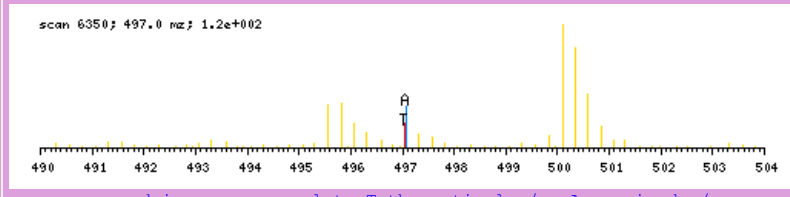
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FAKLVRPPVQVYGIEGR, MH+ 1985.1700, m/z 497.0480
L OS G34 P160811 220811-s1.06353.06353.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



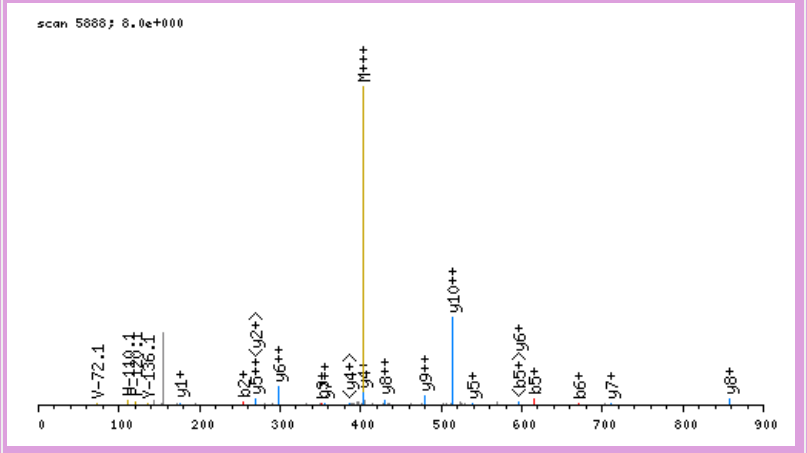
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	17		
247.1446	2	A	16	1810.0703	905.5391
403.2709	3	K	15	1739.0332	870.0205
516.3550	4	L	14	1582.9069	791.9574
615.4234	5	V	13	1469.8229	735.4153
771.5245	6	R	12	1370.7545	685.8811
868.5773	7	P	11	1214.6533	607.8306
965.6300	8	P	10	1117.6006	559.3042
1064.6985	9	V	9	1020.5478	510.7778
1192.7570	10	Q	8	921.4794	461.2436
1291.8254	11	V	7	**793.4208**	397.2143
1454.8888	12	Y	6	**694.3524**	**347.6801**
1511.9102	13	G	5	**531.2891**	266.1485
1624.9943	14	I	4	**474.2676**	237.6377
1754.0369	15	E	3	**361.1836**	181.0957
1811.0584	16	G	2	**232.1410**	116.5744
	17	R	1	**175.1195**	88.0637

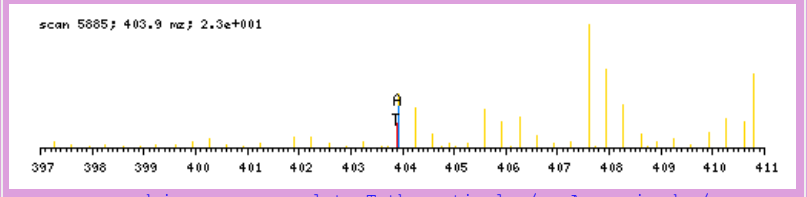
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FAVFDGHGGIR, MH+ 1209.6592, m/z 403.8913
H OS G34 P160811 220811-s1.05888.05888.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



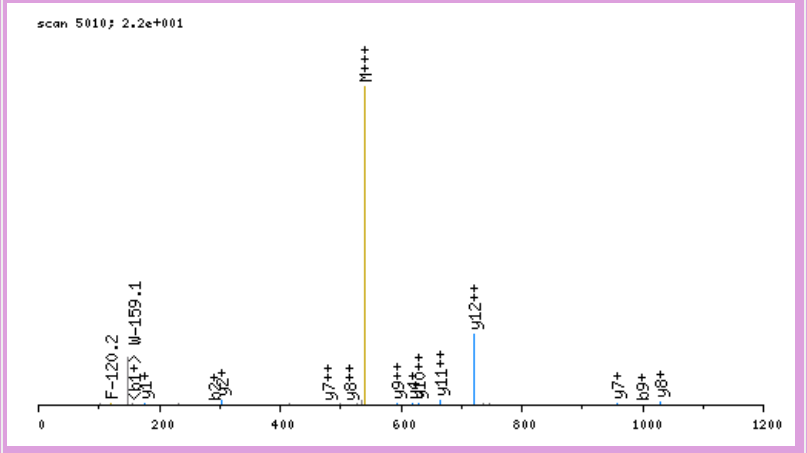
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	11		
253.1764	2	A	10	1028.5278	514.7678
352.2448	3	V	9	957.4906	479.2492
499.3133	4	F	8	858.4222	429.7150
614.3402	5	D	7	711.3538	356.1808
671.3617	6	G	6	596.3269	298.6673
808.4206	7	H	5	539.3054	270.1566
865.4420	8	G	4	402.2465	201.6272
922.4635	9	G	3	345.2250	173.1164
1035.5476	10	I	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

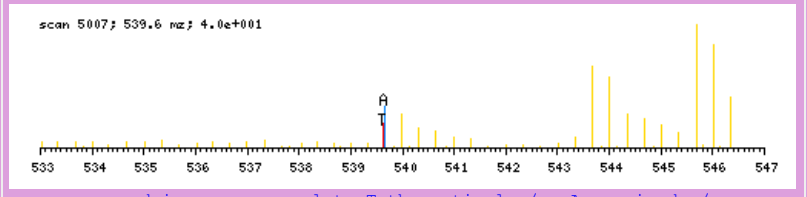
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDAAKAPIQWEER, MH+ 1616.8437, m/z 539.6194
L OS G33 P160811 220811-s1.05010.05010.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



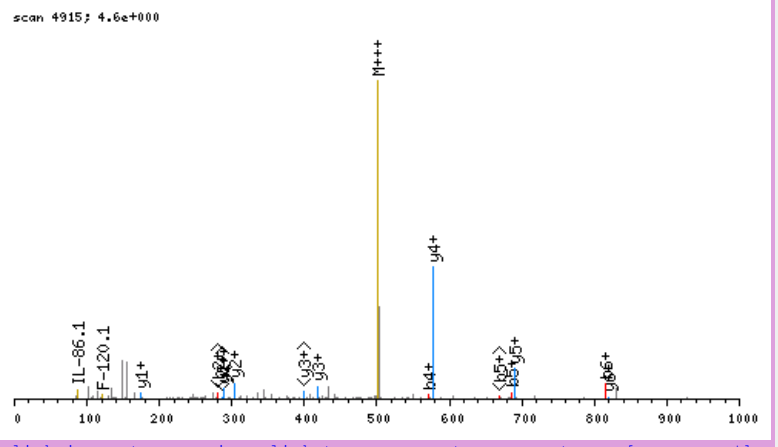
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
291.1345	2	D	12	1441.7440	**721.3759**
362.1716	3	A	11	1326.7170	**663.8624**
433.2087	4	A	10	1255.6799	**628.3439**
589.3350	5	K	9	1184.6428	**592.8253**
660.3721	6	A	8	**1028.5165**	**514.7622**
757.4249	7	P	7	**957.4794**	**479.2436**
870.5089	8	I	6	860.4266	430.7172
998.5675	9	Q	5	747.3426	374.1752
1184.6468	10	W	4	**619.2840**	310.1459
1313.6894	11	E	3	433.2047	217.1063
1442.7320	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

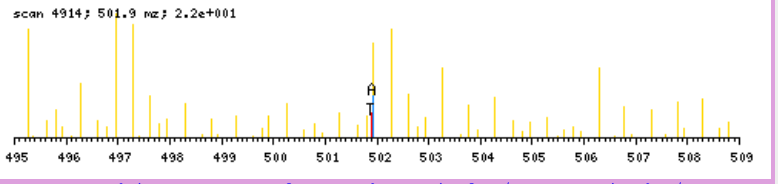
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDCNNEICIER, MH+ 1503.6783, m/z 501.8976
H OS G31 P160811 220811-s1.04915.04915.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



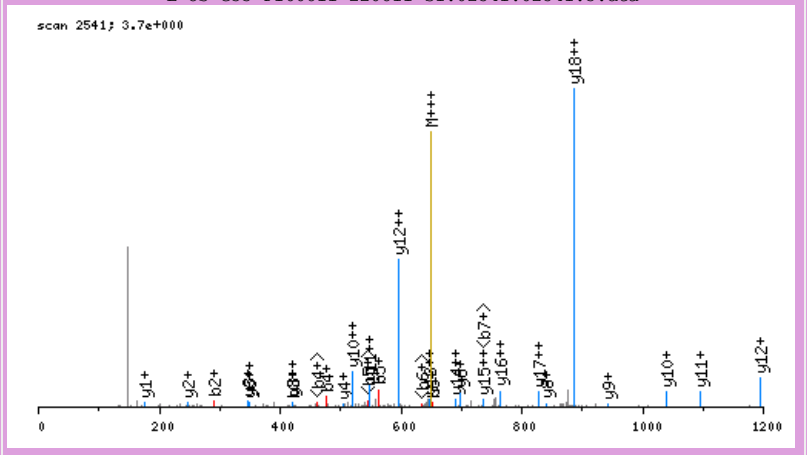
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	11		
297.1663	2	D	10	1322.5468	661.7773
457.1969	3	C	9	1207.5199	604.2638
571.2398	4	N	8	1047.4893	524.2485
685.2827	5	N	7	933.4463	467.2271
814.3253	6	E	6	**819.4034**	410.2056
927.4094	7	I	5	**690.3608**	345.6843
1087.4400	8	C	4	**577.2768**	**289.1423**
1200.5240	9	I	3	**417.2462**	209.1270
1329.5666	10	E	2	**304.1621**	152.5850
	11	R	1	**175.1195**	88.0637

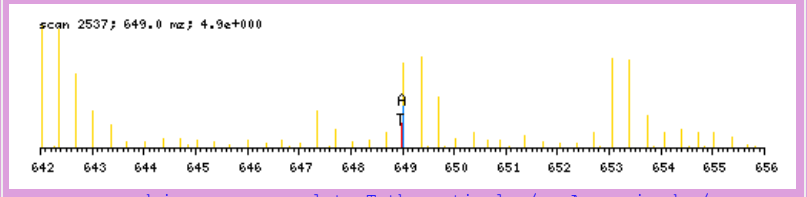
N-term:+35.07 C(3):+160.03
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDEGSSTPGPTSGPPKTAR, MH+ 1944.9667, m/z 648.9938
L OS G33 P160811 220811-s1.02541.02541.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



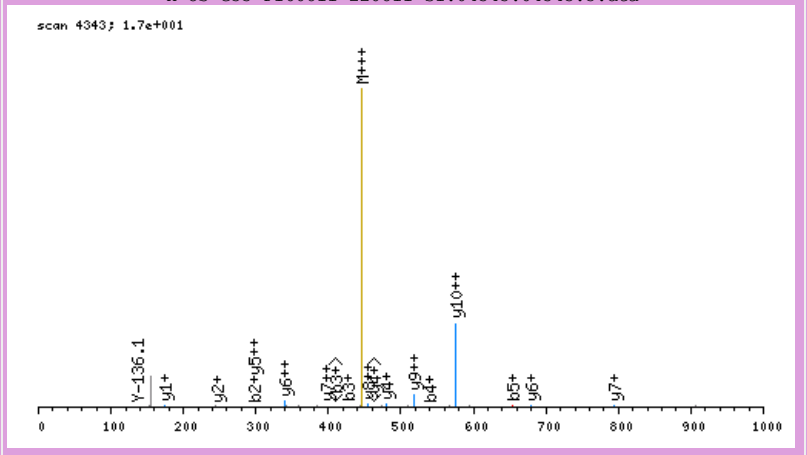
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	19		
291.1345	2	D	18	1769.8670	885.4374
420.1771	3	E	17	1654.8401	827.9240
477.1985	4	G	16	1525.7975	763.4027
564.2305	5	S	15	1468.7760	734.8919
651.2626	6	S	14	1381.7440	691.3759
752.3102	7	T	13	1294.7120	647.8599
849.3630	8	P	12	1193.6643	597.3361
906.3845	9	G	11	1096.6115	548.8097
1003.4372	10	P	10	1039.5901	520.2989
1104.4849	11	T	9	942.5373	471.7726
1191.5169	12	S	8	841.4896	421.2487
1248.5384	13	G	7	754.4576	377.7327
1345.5912	14	P	6	697.4361	349.2220
1442.6439	15	P	5	600.3834	300.6956
1598.7702	16	K	4	503.3306	252.1692
1699.8179	17	T	3	347.2043	174.1061
1770.8550	18	A	2	246.1566	123.5822
	19	R	1	175.1195	88.0637

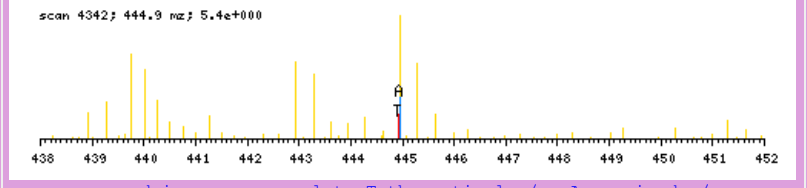
N-term:+29.04 K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDELDSIAKAR, MH+ 1332.7800, m/z 444.9315
H OS G33 P160811 220811-s1.04343.04343.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



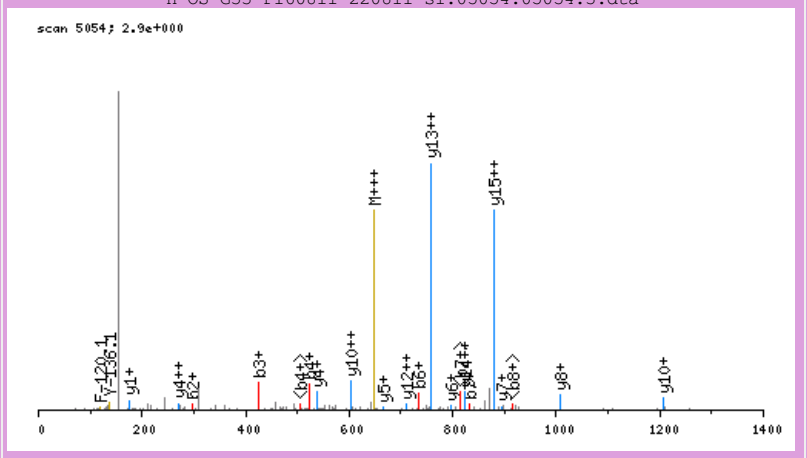
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	11		
297.1663	2	D	10	1151.6485	576.3281
426.2089	3	E	9	1036.6215	518.8147
539.2929	4	L	8	907.5789	454.2934
654.3199	5	D	7	794.4949	397.7513
741.3519	6	S	6	679.4679	340.2379
854.4359	7	I	5	592.4359	296.7219
925.4731	8	A	4	479.3518	240.1798
1087.6312	9	K	3	408.3147	204.6613
1158.6683	10	A	2	246.1566	123.5822
	11	R	1	175.1195	88.0637

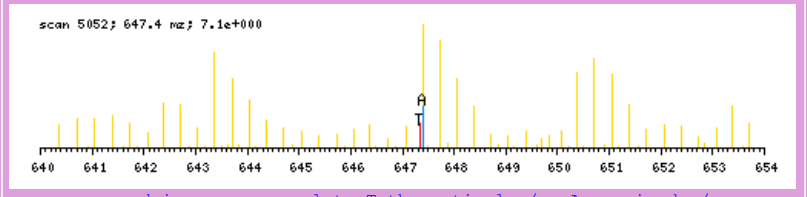
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDEPPNPTNVEESLKR, MH+ 1940.0401, m/z 647.3516
H OS G33 P160811 220811-s1.05054.05054.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



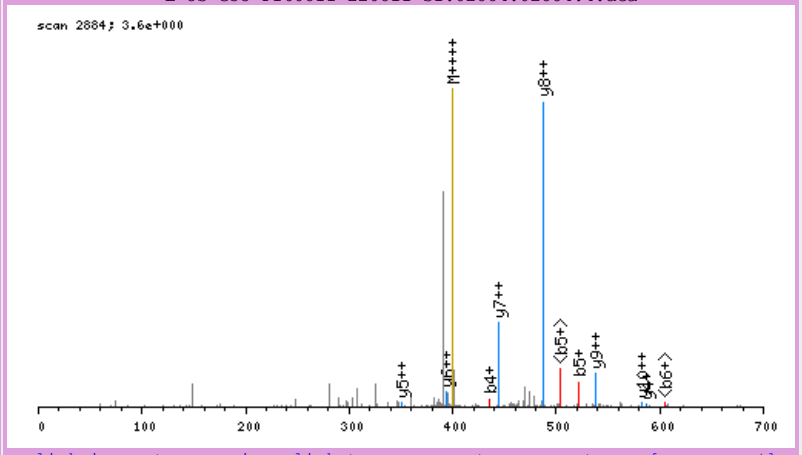
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	16		
297.1663	2	D	15	1758.9087	**879.9582**
426.2089	3	E	14	1643.8817	**822.4448**
523.2616	4	P	13	1514.8391	**757.9235**
620.3144	5	P	12	1417.7864	**709.3971**
734.3573	6	N	11	1320.7336	660.8707
831.4101	7	P	10	**1206.6907**	**603.8492**
932.4577	8	T	9	1109.6379	555.3229
1046.5007	9	N	8	**1008.5902**	504.7990
1145.5691	10	V	7	**894.5473**	447.7776
1274.6117	11	E	6	**795.4789**	398.2434
1403.6543	12	E	5	**666.4363**	333.7221
1490.6863	13	S	4	**537.3937**	**269.2008**
1603.7704	14	L	3	450.3617	225.6847
1765.9285	15	K	2	337.2776	169.1427
	16	R	1	**175.1195**	88.0637

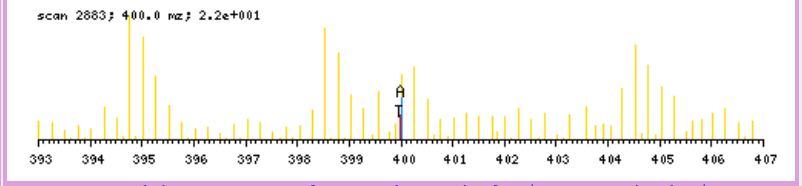
N-term:+35.07 K(15):+162.16

FDGSSTSTSIKVKR, MH+ 1596.8961, m/z 399.9795
L OS G35 P160811 220811-s1.02884.02884.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



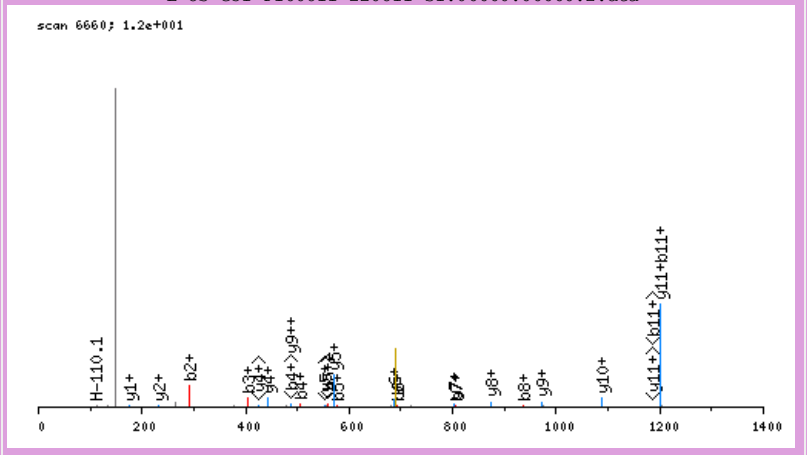
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
291.1345	2	D	13	1421.7965	711.4021
348.1559	3	G	12	1306.7695	653.8887
435.1879	4	S	11	1249.7480	625.3779
522.2200	5	S	10	1162.7160	**581.8619**
623.2677	6	T	9	1075.6840	**538.3459**
710.2997	7	S	8	974.6363	**487.8221**
811.3474	8	T	7	887.6043	**444.3061**
898.3794	9	S	6	786.5566	**393.7822**
1011.4635	10	I	5	699.5246	**350.2662**
1167.5898	11	K	4	**586.4405**	293.7242
1266.6582	12	V	3	430.3142	215.6610
1422.7845	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

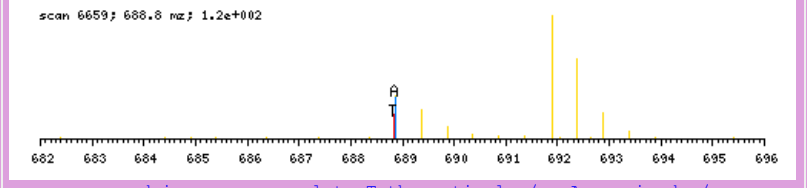
N-term:+29.04 K(11):+156.13
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDITADDEPLGR, MH+ 1376.6698, m/z 688.8385
L OS G31 P160811 220811-s1.06660.06660.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



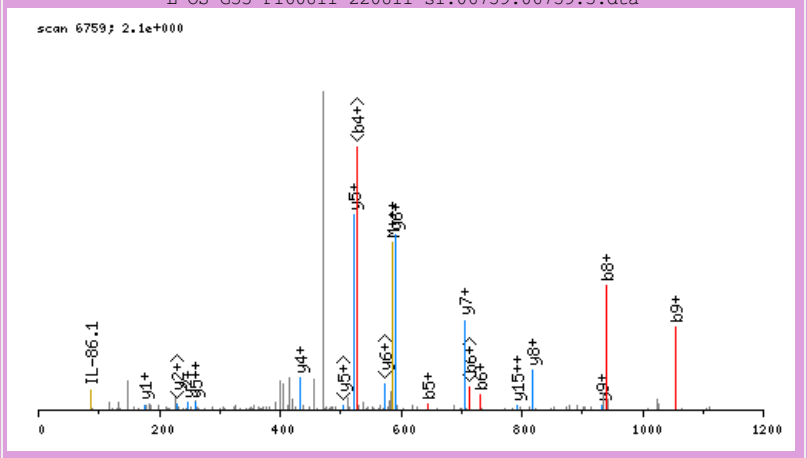
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
291.1345	2	D	11	1201.5701	601.2889
404.2185	3	I	10	1086.5431	543.7755
505.2662	4	T	9	973.4591	487.2334
576.3033	5	A	8	872.4114	436.7096
691.3303	6	D	7	801.3743	401.1910
806.3572	7	D	6	686.3473	343.6776
935.3998	8	E	5	571.3204	286.1641
1032.4526	9	P	4	442.2778	221.6428
1145.5366	10	L	3	345.2250	173.1164
1202.5581	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

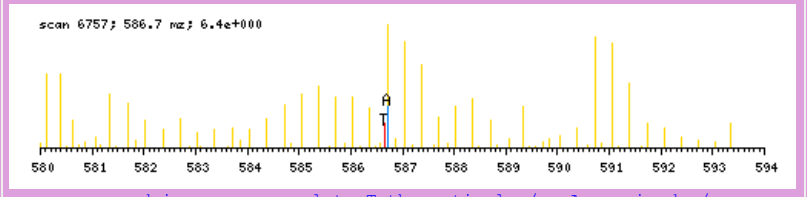
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDKPVSPLLLASGMAR, MH+ 1757.9988, m/z 586.6711
L OS G33 P160811 220811-s1.06759.06759.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

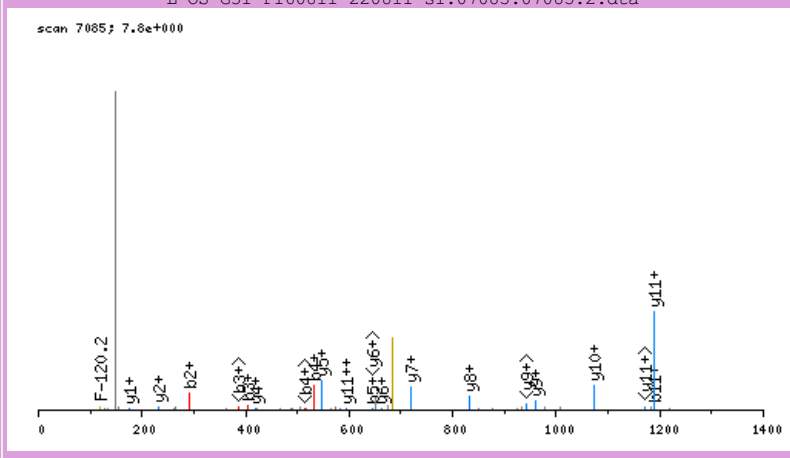


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

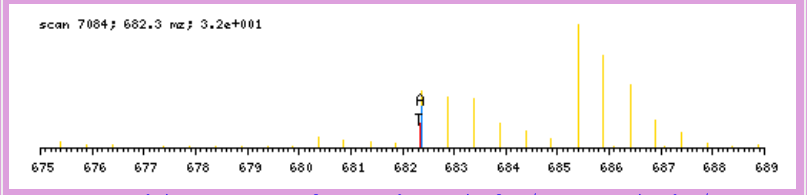
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
291.1345	2	D	15	1582.8991	**791.9535**
447.2608	3	K	14	1467.8722	734.4400
544.3135	4	P	13	1311.7459	656.3768
643.3819	5	V	12	1214.6931	607.8505
730.4140	6	S	11	1115.6247	558.3163
827.4667	7	P	10	1028.5927	514.8002
940.5508	8	L	9	**931.5399**	466.2739
1053.6349	9	L	8	**818.4558**	409.7318
1166.7189	10	L	7	**705.3718**	353.1898
1237.7560	11	A	6	**592.2877**	296.6478
1324.7881	12	S	5	**521.2506**	**261.1292**
1381.8095	13	G	4	**434.2186**	217.6132
1512.8500	14	M	3	377.1971	189.1025
1583.8871	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

N-term:+29.04 K(3):+156.13

FDLQIGDESVGR, MH+ 1363.6857, m/z 682.3465
L OS G31 P160811 220811-s1.07085.07085.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

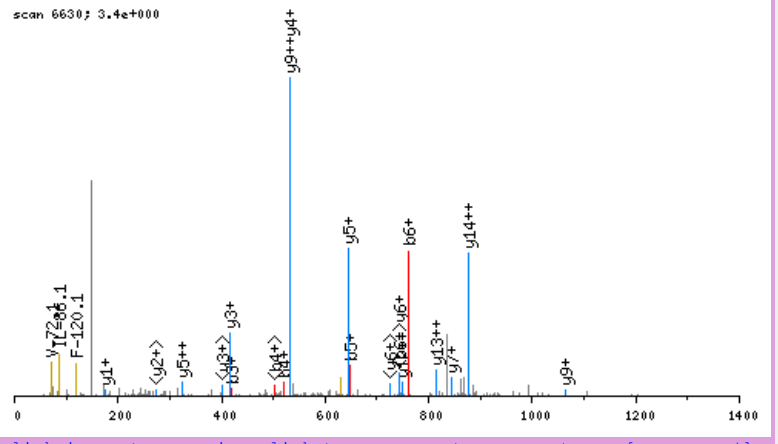
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
291.1345	2	D	11	1188.5861	594.7969
404.2185	3	L	10	1073.5591	537.2835
532.2771	4	Q	9	960.4750	480.7414
645.3612	5	I	8	832.4165	416.7121
702.3826	6	G	7	719.3324	360.1701
817.4096	7	D	6	662.3109	331.6594
946.4522	8	E	5	547.2840	274.1459
1033.4842	9	S	4	418.2414	209.6246
1132.5526	10	V	3	331.2094	166.1086
1189.5741	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

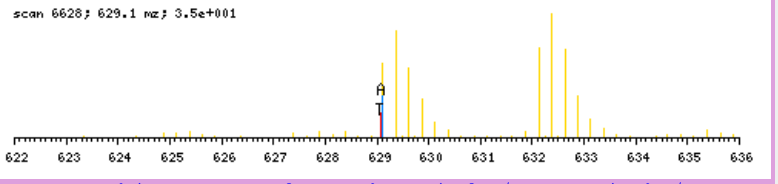
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDQTQIQEFKEAFTVIDQNR, MH+ 2513.2676, m/z 629.0724
L OS G32 P160811 220811-s1.06630.06630.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



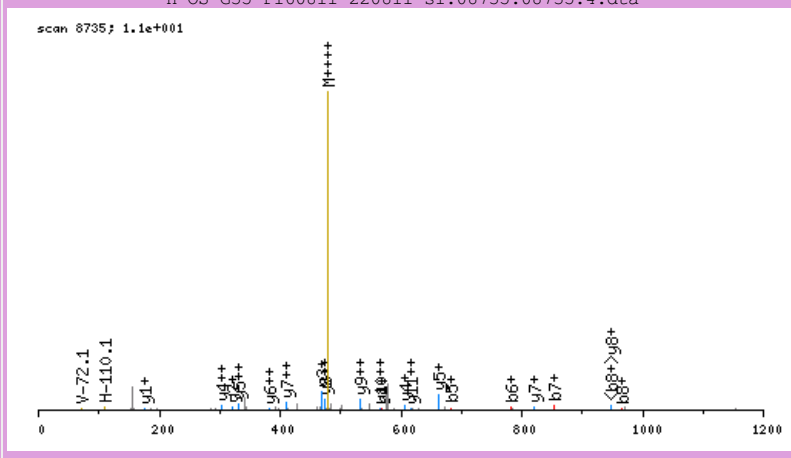
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	20		
291.1345	2	D	19	2338.1680	1169.5879
419.1930	3	Q	18	2223.1410	1112.0744
520.2407	4	T	17	2095.0824	1048.0451
648.2993	5	Q	16	1994.0348	997.5213
761.3834	6	I	15	1865.9762	933.4920
889.4419	7	Q	14	1752.8921	**876.9500**
1018.4845	8	E	13	1624.8335	**812.9207**
1165.5529	9	F	12	1495.7909	**748.3994**
1321.6792	10	K	11	1348.7225	674.8652
1450.7218	11	E	10	1192.5962	596.8020
1521.7589	12	A	9	**1063.5536**	**532.2807**
1668.8274	13	F	8	992.5165	496.7622
1769.8750	14	T	7	**845.4481**	423.2280
1868.9435	15	V	6	**744.4004**	372.7041
1982.0275	16	I	5	**645.3320**	**323.1699**
2097.0545	17	D	4	**532.2479**	266.6279
2225.1130	18	Q	3	**417.2210**	209.1144
2339.1560	19	N	2	289.1624	145.0851
	20	R	1	**175.1195**	88.0637

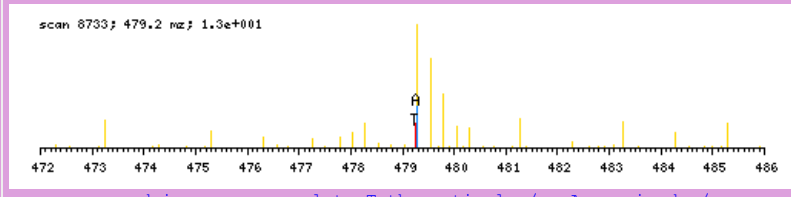
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDRDDVALEGVGHFFR, MH+ 1913.9722, m/z 479.2485
H OS G35 P160811 220811-s1.08735.08735.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



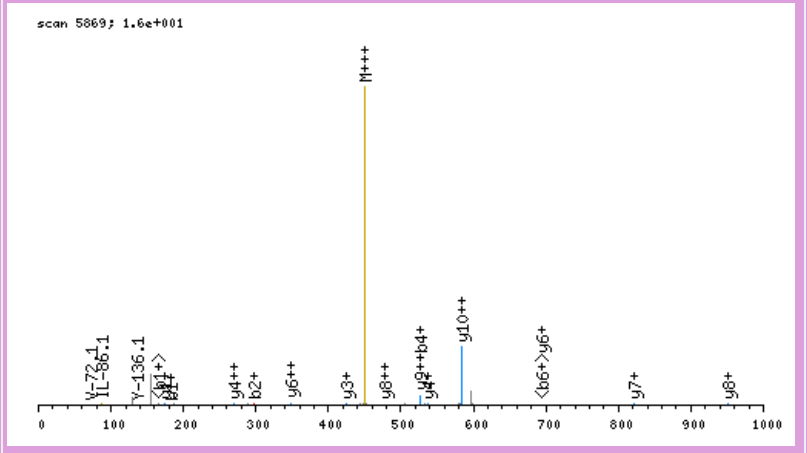
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	16		
297.1663	2	D	15	1732.8407	866.9243
453.2674	3	R	14	1617.8138	809.4108
568.2943	4	D	13	1461.7127	731.3602
683.3213	5	D	12	1346.6857	673.8468
782.3897	6	V	11	1231.6588	**616.3333**
853.4268	7	A	10	1132.5904	**566.7991**
966.5108	8	L	9	1061.5532	**531.2805**
1095.5534	9	E	8	**948.4692**	**474.7385**
1152.5749	10	G	7	**819.4266**	**410.2172**
1251.6433	11	V	6	762.4051	**381.7065**
1308.6648	12	G	5	**663.3367**	**332.1723**
1445.7237	13	H	4	**606.3152**	**303.6615**
1592.7921	14	F	3	**469.2563**	235.1321
1739.8605	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

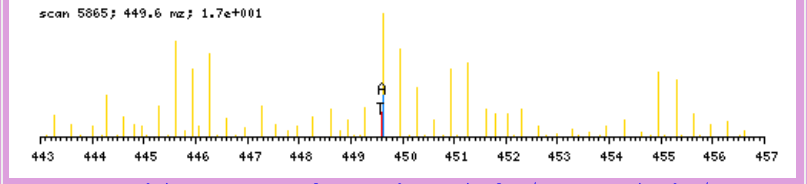
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDVEEGVLSKR, MH+ 1346.7956, m/z 449.6034
H OS G34 P160811 220811-s1.05869.05869.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



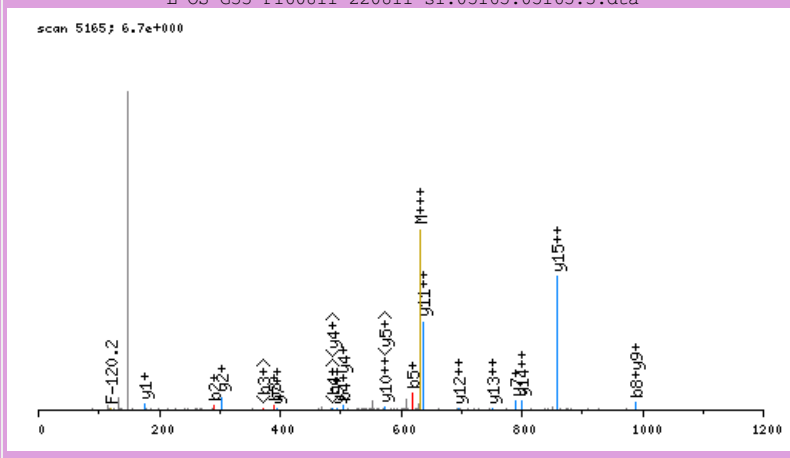
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	11		
297.1663	2	D	10	1165.6641	583.3360
396.2347	3	V	9	1050.6372	525.8225
525.2773	4	E	8	951.5688	476.2883
654.3199	5	E	7	822.5262	411.7670
711.3413	6	G	6	693.4836	347.2457
810.4097	7	V	5	636.4621	318.7350
923.4938	8	L	4	537.3937	269.2008
1010.5258	9	S	3	424.3096	212.6587
1172.6839	10	K	2	337.2776	169.1427
	11	R	1	175.1195	88.0637

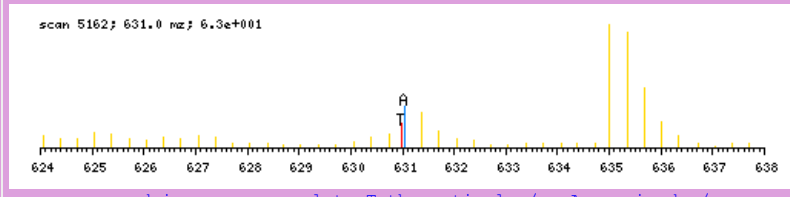
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDVIDQKSLPTSAEER, MH+ 1890.9813, m/z 630.9986
L OS G33 P160811 220811-s1.05165.05165.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



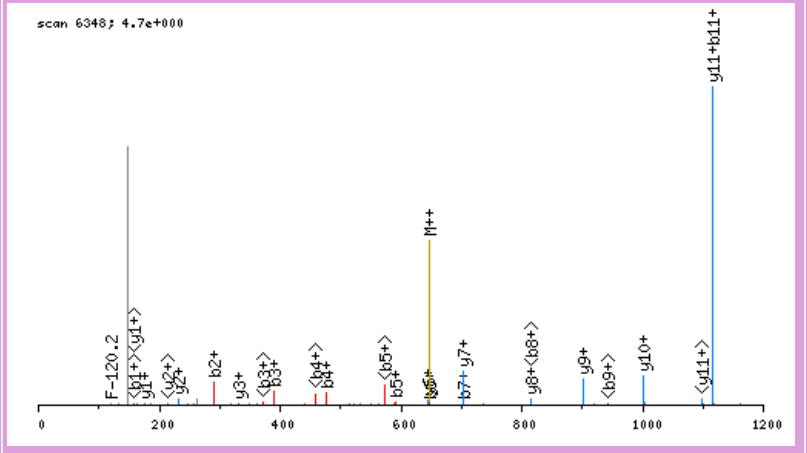
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
291.1345	2	D	15	1715.8816	858.4447
390.2029	3	V	14	1600.8547	800.9312
503.2869	4	I	13	1501.7862	751.3970
618.3139	5	D	12	1388.7022	694.8550
746.3725	6	Q	11	1273.6752	637.3415
902.4988	7	K	10	1145.6167	573.3122
989.5308	8	S	9	989.4904	495.2491
1102.6148	9	L	8	902.4583	451.7331
1199.6676	10	P	7	789.3743	395.1910
1300.7153	11	T	6	692.3215	346.6647
1387.7473	12	S	5	591.2738	296.1408
1458.7844	13	A	4	504.2418	252.6248
1587.8270	14	E	3	433.2047	217.1063
1716.8696	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

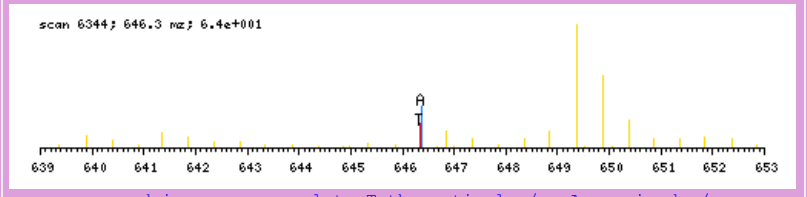
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FDVSIGGQEVGR, MH+ 1291.6646, m/z 646.3359
L OS G31 P160811 220811-s1.06348.06348.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



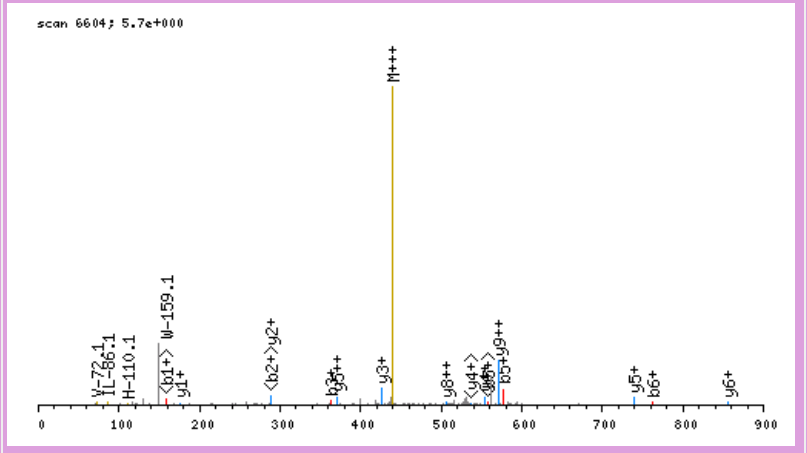
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
291.1345	2	D	11	1116.5649	558.7864
390.2029	3	V	10	1001.5380	501.2729
477.2349	4	S	9	902.4696	451.7387
590.3190	5	I	8	815.4375	408.2227
647.3404	6	G	7	702.3535	351.6807
704.3619	7	G	6	645.3320	323.1699
832.4205	8	Q	5	588.3105	294.6592
961.4631	9	E	4	460.2520	230.6299
1060.5315	10	V	3	331.2094	166.1086
1117.5529	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

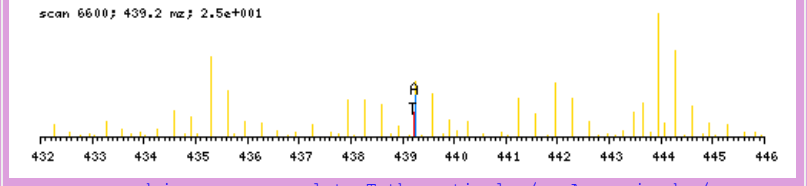
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FEGVDWEHIR, MH+ 1315.6435, m/z 439.2193
L OS G34 P160811 220811-s1.06604.06604.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



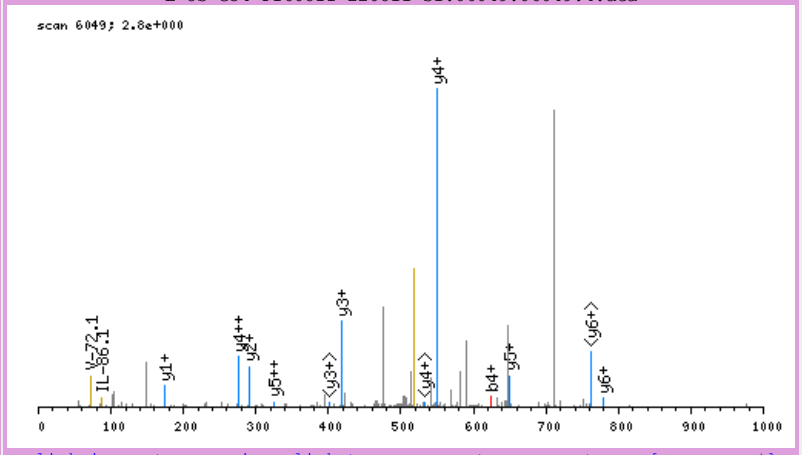
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	10		
305.1501	2	E	9	1140.5438	**570.7758**
362.1716	3	G	8	1011.5012	**506.2545**
461.2400	4	V	7	954.4797	477.7438
576.2669	5	D	6	**855.4113**	428.2096
762.3462	6	W	5	**740.3844**	**370.6961**
891.3888	7	E	4	**554.3051**	277.6564
1028.4477	8	H	3	**425.2625**	213.1352
1141.5318	9	I	2	**288.2036**	144.6057
	10	R	1	**175.1195**	88.0637

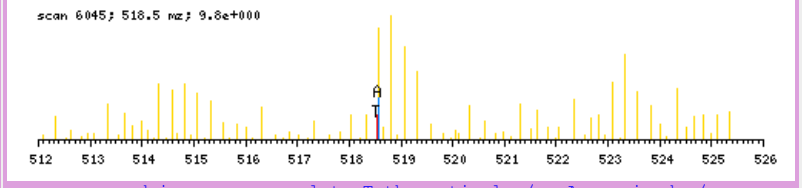
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

FEKYGKIETIEVMEDR, MH+ 2071.0786, m/z 518.5251
L OS G34 P160811 220811-s1.06049.06049.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



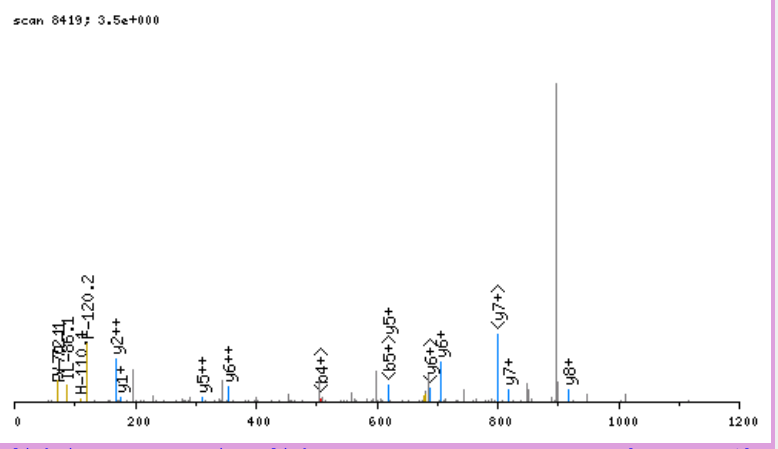
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
305.1501	2	E	15	1895.9789	948.4934
461.2764	3	K	14	1766.9363	883.9721
624.3397	4	Y	13	1610.8100	805.9089
681.3612	5	G	12	1447.7467	724.3773
837.4875	6	K	11	1390.7252	695.8665
950.5716	7	I	10	1234.5989	617.8034
1079.6142	8	E	9	1121.5149	561.2613
1180.6618	9	T	8	992.4723	496.7400
1293.7459	10	I	7	891.4246	446.2162
1422.7885	11	E	6	**778.3405**	389.6742
1521.8569	12	V	5	**649.2979**	**325.1529**
1652.8974	13	M	4	**550.2295**	**275.6187**
1781.9400	14	E	3	**419.1890**	210.0984
1896.9669	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

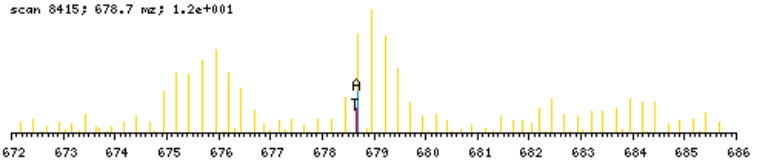
N-term:+29.04 K(3):+156.13
K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FEVILKSPSDLSPESPVLSSPPKR, MH+ 2711.6084, m/z 678.6576
H OS G34 P160811 220811-s1.08419.08419.4.dta



click image to zoom in; click top corners to zoom out [precursor]



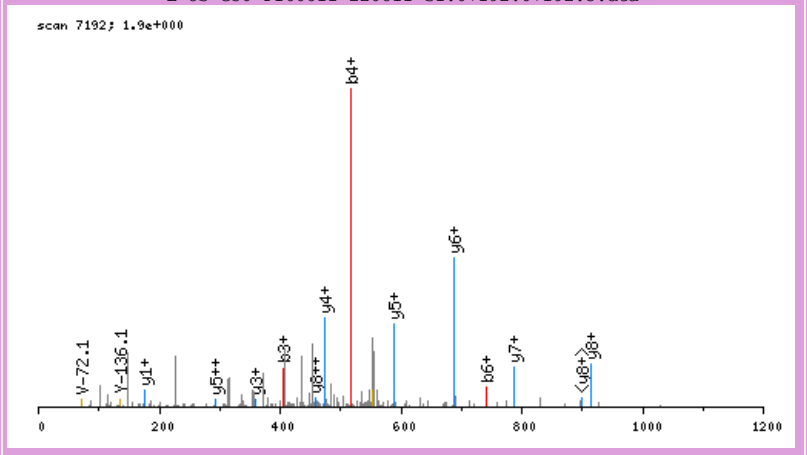
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	24		
311.1819	2	E	23	2530.4769	1265.7424
410.2503	3	V	22	2401.4343	1201.2211
523.3344	4	I	21	2302.3659	1151.6869
636.4184	5	L	20	2189.2818	1095.1448
798.5765	6	K	19	2076.1978	1038.6028
885.6086	7	S	18	1914.0397	957.5237
982.6613	8	P	17	1827.0076	914.0077
1069.6934	9	S	16	1729.9549	865.4814
1184.7203	10	D	15	1642.9228	821.9653
1297.8044	11	L	14	1527.8959	764.4519
1384.8364	12	S	13	1414.8118	707.9098
1481.8892	13	P	12	1327.7798	664.3938
1610.9318	14	E	11	1230.7270	615.8674
1697.9638	15	S	10	1101.6845	551.3461
1795.0166	16	P	9	1014.6524	507.8301
1894.0850	17	V	8	**917.5997**	459.3037
2007.1690	18	L	7	**818.5312**	409.7695
2094.2011	19	S	6	**705.4472**	**353.2275**
2181.2331	20	S	5	**618.4152**	**309.7115**
2278.2859	21	P	4	531.3831	266.1955
2375.3386	22	P	3	434.3304	217.6691
2537.4967	23	K	2	337.2776	**169.1427**
	24	R	1	**175.1195**	88.0637

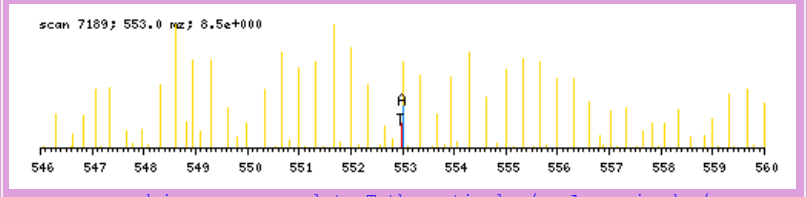
N-term:+35.07 K(6):+162.16
K(23):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FEVLPQQVTIDAIR, MH+ 1656.9325, m/z 552.9823
L OS G30 P160811 220811-s1.07192.07192.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



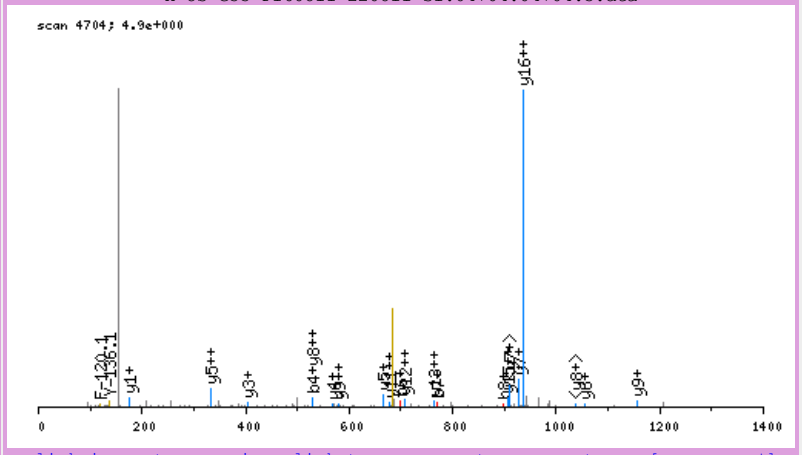
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
305.1501	2	E	13	1481.8328	741.4203
404.2185	3	V	12	1352.7902	676.8990
517.3026	4	L	11	1253.7218	627.3648
614.3553	5	P	10	1140.6377	570.8228
742.4139	6	Q	9	1043.5849	522.2964
870.4725	7	Q	8	**915.5264**	**458.2671**
969.5409	8	V	7	**787.4678**	394.2378
1070.5886	9	T	6	**688.3994**	344.7036
1183.6727	10	I	5	**587.3517**	**294.1798**
1298.6996	11	D	4	**474.2676**	237.6377
1369.7367	12	A	3	**359.2407**	180.1243
1482.8208	13	I	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

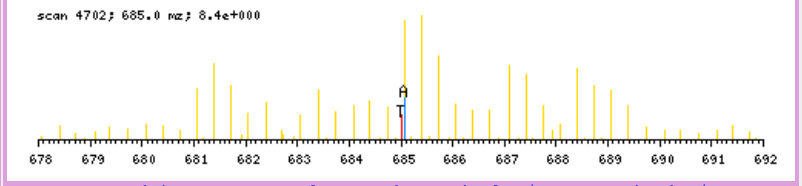
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

FGCELGAQTQFDVKNDR, MH+ 2053.0449, m/z 685.0198
H OS G33 P160811 220811-s1.04704.04704.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

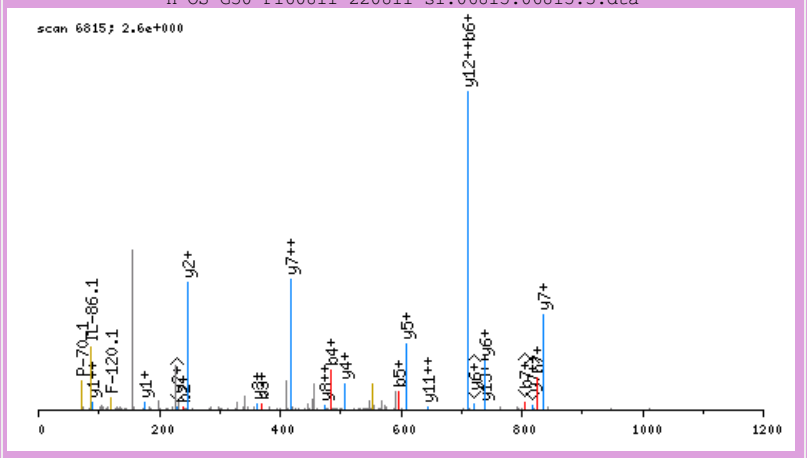


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

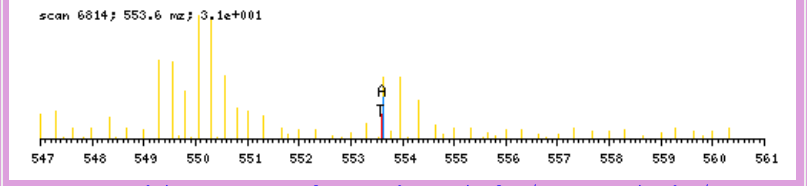
b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	17		
239.1608	2	G	16	1871.9134	**936.4606**
399.1914	3	C	15	1814.8919	**907.9499**
528.2340	4	E	14	1654.8613	827.9346
641.3180	5	L	13	1525.8187	**763.4133**
698.3395	6	G	12	1412.7347	**706.8712**
769.3766	7	A	11	1355.7132	**678.3605**
897.4352	8	Q	10	1284.6761	642.8420
998.4829	9	T	9	**1156.6175**	**578.8127**
1126.5414	10	Q	8	**1055.5698**	**528.2888**
1273.6099	11	F	7	**927.5112**	464.2595
1388.6368	12	D	6	780.4428	390.7253
1487.7052	13	V	5	**665.4159**	**333.2119**
1649.8633	14	K	4	**566.3475**	283.6776
1763.9062	15	N	3	**404.1894**	202.5986
1878.9332	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

N-term:+35.07 C(3):+160.03
K(14):+162.16

FGEDIDLPETFDAR, MH+ 1658.8126, m/z 553.6090
H OS G30 P160811 220811-s1.06815.06815.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

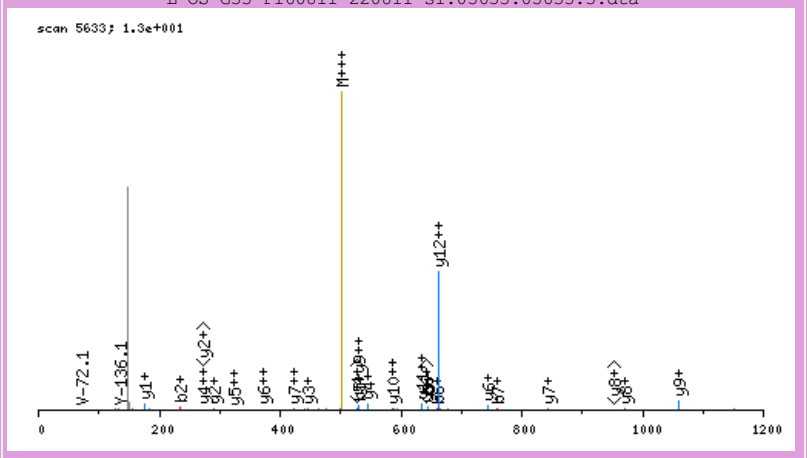
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	14		
239.1608	2	G	13	1477.6811	**739.3445**
368.2034	3	E	12	1420.6596	**710.8337**
483.2303	4	D	11	1291.6170	**646.3124**
596.3144	5	I	10	1176.5901	588.7990
711.3413	6	D	9	1063.5060	532.2569
824.4254	7	L	8	948.4791	**474.7434**
921.4781	8	P	7	**835.3950**	**418.2014**
1050.5207	9	E	6	**738.3422**	369.6750
1151.5684	10	T	5	**609.2997**	305.1537
1298.6368	11	F	4	**508.2520**	254.6299
1413.6638	12	D	3	**361.1836**	181.0957
1484.7009	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	**88.0637**

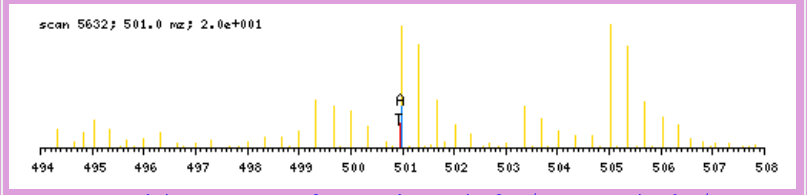
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FGPISEVVVVKDR, MH+ 1500.8790, m/z 500.9645
L OS G33 P160811 220811-s1.05633.05633.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

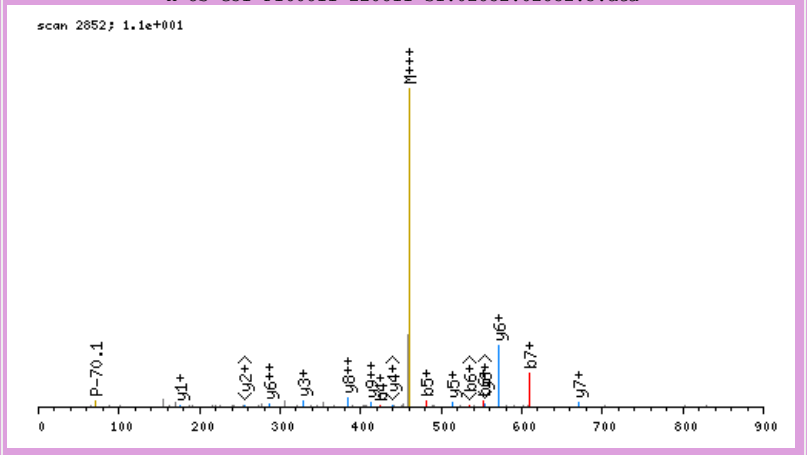


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

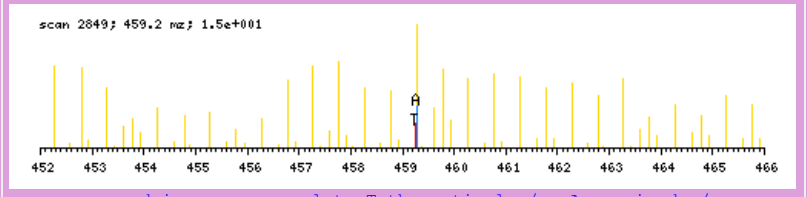
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
233.1290	2	G	12	1325.7793	**663.3936**
330.1817	3	P	11	1268.7578	**634.8828**
443.2658	4	I	10	1171.7051	**586.3565**
530.2978	5	S	9	**1058.6210**	**529.8144**
659.3404	6	E	8	**971.5890**	486.2984
758.4088	7	V	7	**842.5464**	**421.7771**
857.4773	8	V	6	**743.4780**	**372.2429**
956.5457	9	V	5	**644.4096**	**322.7087**
1055.6141	10	V	4	**545.3412**	**273.1745**
1211.7404	11	K	3	**446.2727**	223.6403
1326.7673	12	D	2	**290.1464**	145.5771
	13	R	1	**175.1195**	88.0637

N-term:+29.04 K(11):+156.13

FGQGGAGPVGGQGPR, MH+ 1375.7294, m/z 459.2480
H OS G31 P160811 220811-s1.02852.02852.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

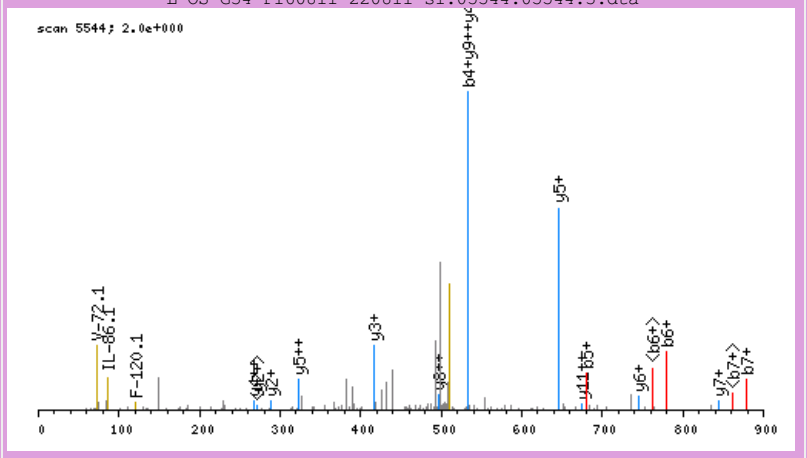
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	15		
239.1608	2	G	14	1194.5980	597.8029
367.2194	3	Q	13	1137.5765	569.2922
424.2408	4	G	12	1009.5179	505.2629
481.2623	5	G	11	952.4965	476.7521
552.2994	6	A	10	895.4750	448.2414
609.3209	7	G	9	824.4379	**412.7228**
706.3736	8	P	8	767.4164	**384.2121**
805.4420	9	V	7	**670.3636**	335.6857
862.4635	10	G	6	**571.2952**	**286.1515**
919.4850	11	G	5	**514.2738**	257.6408
1047.5435	12	Q	4	457.2523	229.1301
1104.5650	13	G	3	**329.1937**	165.1008
1201.6178	14	P	2	272.1723	136.5900
	15	R	1	**175.1195**	88.0637

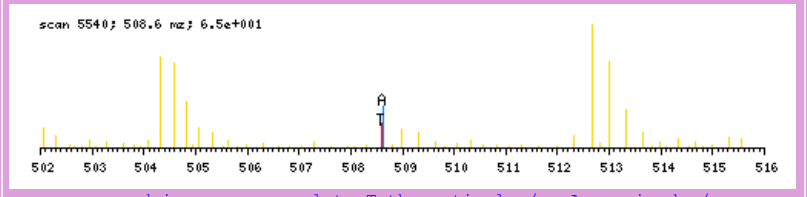
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FKEAFTVIDQNR, MH+ 1523.8222, m/z 508.6123
L OS G34 P160811 220811-s1.05544.05544.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



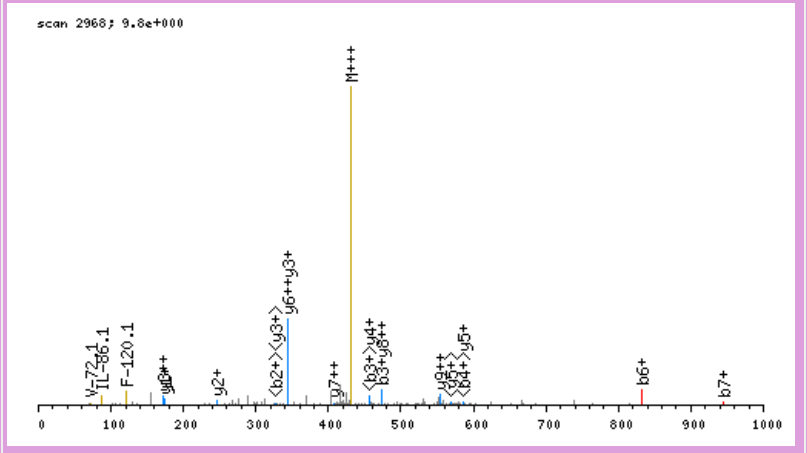
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
332.2338	2	K	11	1348.7225	**674.8652**
461.2764	3	E	10	1192.5962	596.8020
532.3135	4	A	9	1063.5536	**532.2807**
679.3819	5	F	8	992.5165	**496.7622**
780.4296	6	T	7	**845.4481**	423.2280
879.4980	7	V	6	**744.4004**	372.7041
992.5821	8	I	5	**645.3320**	**323.1699**
1107.6090	9	D	4	**532.2479**	**266.6279**
1235.6676	10	Q	3	**417.2210**	209.1144
1349.7105	11	N	2	**289.1624**	145.0851
	12	R	1	175.1195	88.0637

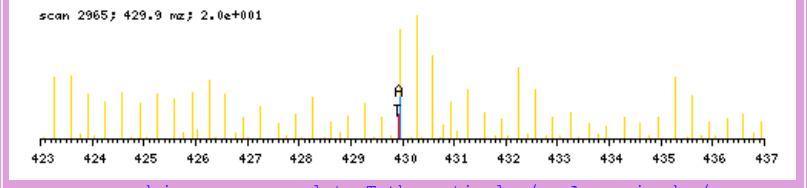
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FKEETEIPAR, MH+ 1287.7585, m/z 429.9243
H OS G34 P160811 220811-s1.02968.02968.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



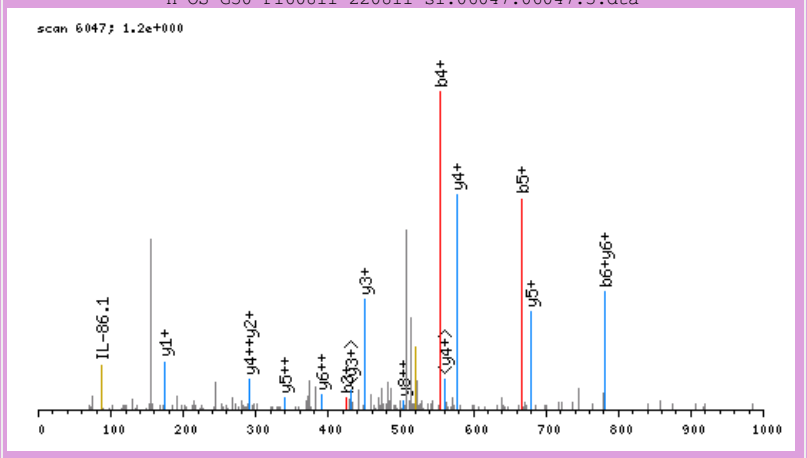
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	10		
344.2974	2	K	9	1106.6270	**553.8174**
473.3400	3	E	8	944.4689	**472.7384**
602.3826	4	E	7	815.4263	**408.2171**
703.4303	5	T	6	686.3837	**343.6958**
832.4729	6	E	5	**585.3360**	293.1719
945.5569	7	I	4	**456.2934**	228.6506
1042.6097	8	P	3	**343.2094**	**172.1086**
1113.6468	9	A	2	**246.1566**	123.5822
	10	R	1	**175.1195**	88.0637

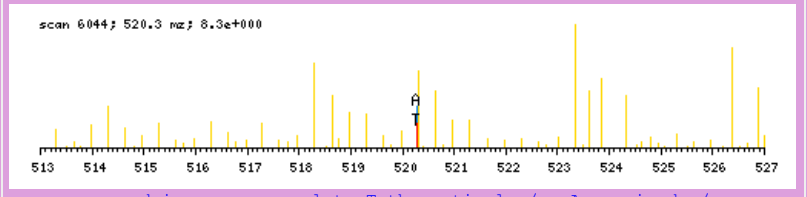
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FLEELLTTQCDR, MH+ 1558.7998, m/z 520.2715
H_OS_G30_P160811_220811-s1.06047.06047.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



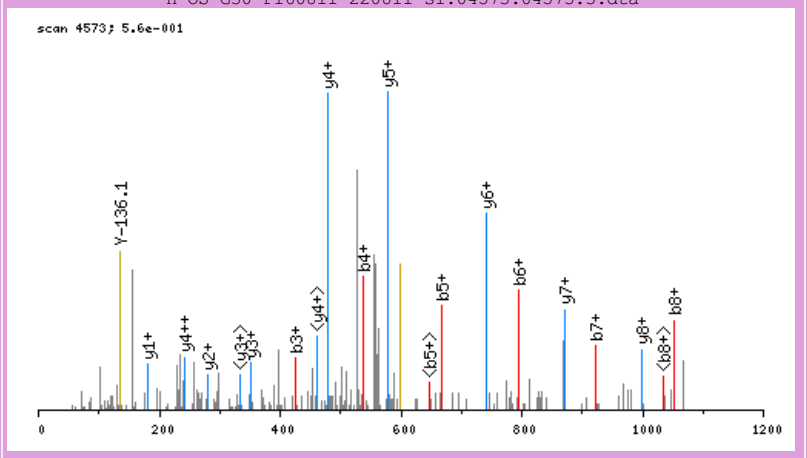
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	12		
295.2234	2	L	11	1377.6684	689.3381
424.2660	3	E	10	1264.5843	632.7961
553.3086	4	E	9	1135.5417	568.2748
666.3926	5	L	8	1006.4991	**503.7535**
779.4767	6	L	7	893.4150	447.2114
880.5244	7	T	6	**780.3310**	**390.6694**
981.5720	8	T	5	**679.2833**	**340.1456**
1109.6306	9	Q	4	**578.2356**	**289.6217**
1269.6612	10	C	3	**450.1770**	225.5924
1384.6882	11	D	2	**290.1464**	145.5771
	12	R	1	**175.1195**	88.0637

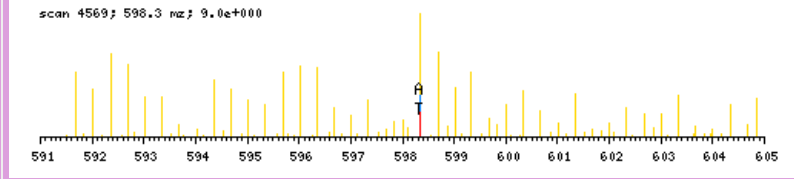
N-term:+35.07 C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FLENQEQEYVQAVK, MH+ 1792.9758, m/z 598.3301
H OS G30 P160811 220811-s1.04573.04573.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



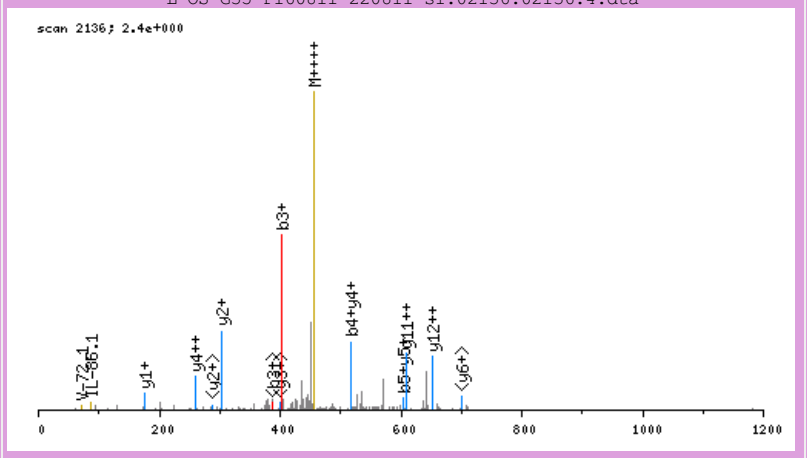
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	14		
295.2234	2	L	13	1611.8443	806.4260
424.2660	3	E	12	1498.7602	749.8840
538.3089	4	N	11	1369.7176	685.3627
666.3675	5	Q	10	1255.6747	628.3413
795.4101	6	E	9	1127.6161	564.3120
923.4686	7	Q	8	**998.5735**	499.7907
1052.5112	8	E	7	**870.5149**	435.7614
1215.5746	9	Y	6	**741.4723**	371.2401
1314.6430	10	V	5	**578.4090**	289.7084
1442.7016	11	Q	4	**479.3406**	**240.1742**
1513.7387	12	A	3	**351.2820**	176.1449
1612.8071	13	V	2	**280.2449**	140.6264
	14	K	1	**181.1765**	91.0922

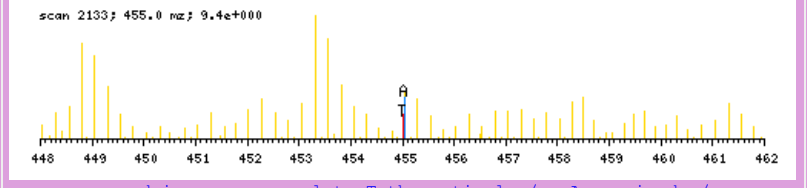
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FLNLSSNPLSLSVLER, MH+ 1817.0172, m/z 455.0098
L OS G35 P160811 220811-s1.02136.02136.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



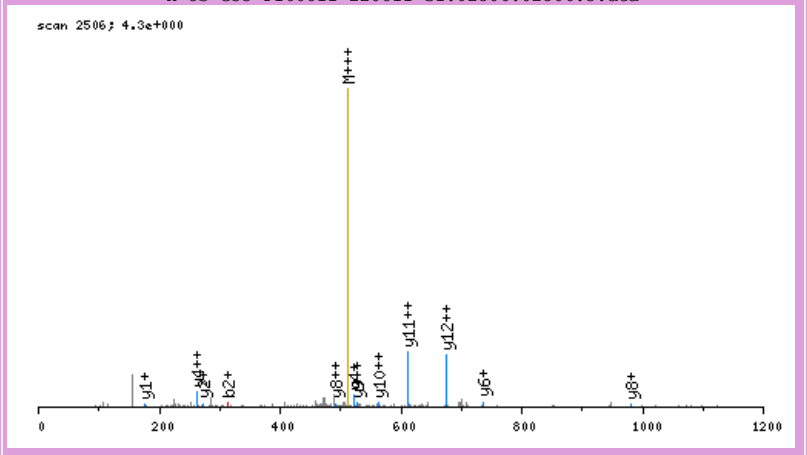
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
289.1916	2	L	15	1641.9176	821.4627
403.2345	3	N	14	1528.8335	764.9207
516.3186	4	L	13	1414.7906	707.8992
603.3506	5	S	12	1301.7065	**651.3572**
690.3826	6	S	11	1214.6745	**607.8412**
804.4256	7	N	10	1127.6424	564.3251
901.4783	8	P	9	1013.5995	507.3037
1014.5624	9	L	8	916.5468	458.7773
1101.5944	10	S	7	803.4627	402.2353
1214.6785	11	L	6	716.4307	358.7192
1301.7105	12	S	5	**603.3466**	302.1772
1400.7789	13	V	4	**516.3146**	**258.6612**
1513.8630	14	L	3	417.2462	209.1270
1642.9056	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

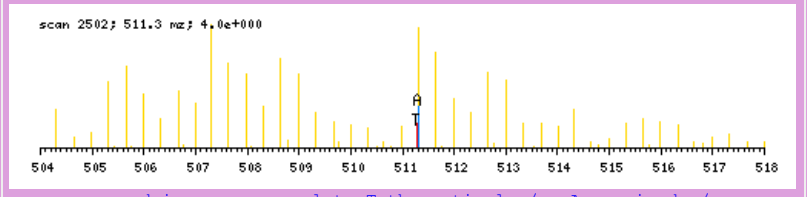
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FMPAAQDTDSKPR, MH+ 1531.8215, m/z 511.2787
H OS G33 P160811 220811-s1.02506.02506.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



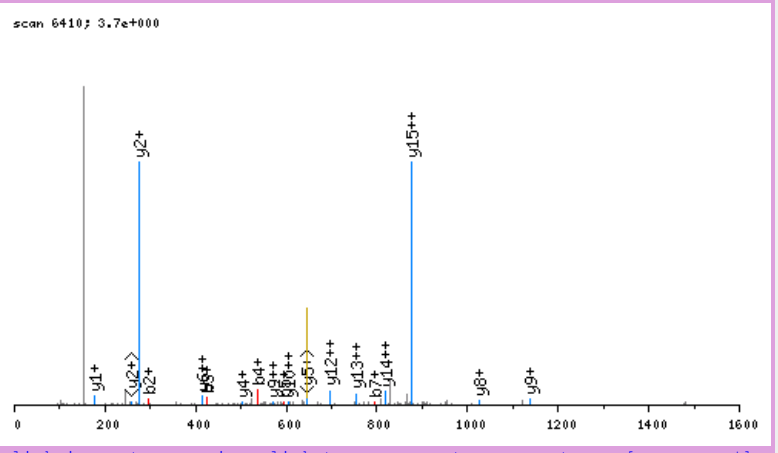
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	13		
313.1798	2	M	12	1350.6900	**675.8489**
410.2326	3	P	11	1219.6495	**610.3287**
481.2697	4	A	10	1122.5968	**561.8023**
552.3068	5	A	9	1051.5596	**526.2837**
680.3654	6	Q	8	**980.5225**	**490.7652**
795.3923	7	D	7	852.4640	426.7359
896.4400	8	T	6	**737.4370**	369.2224
1011.4669	9	D	5	636.3893	318.6986
1098.4990	10	S	4	**521.3624**	**261.1851**
1260.6571	11	K	3	434.3304	217.6691
1357.7098	12	P	2	**272.1723**	136.5900
	13	R	1	**175.1195**	88.0637

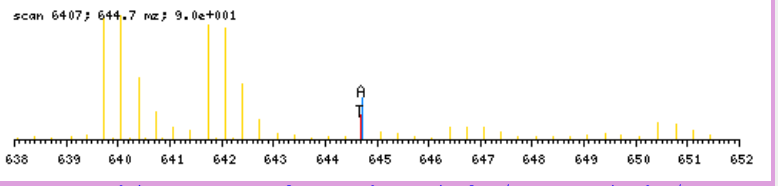
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FNELGEALAECKLDVR, MH+ 1932.0536, m/z 644.6894
H OS G33 P160811 220811-s1.06410.06410.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



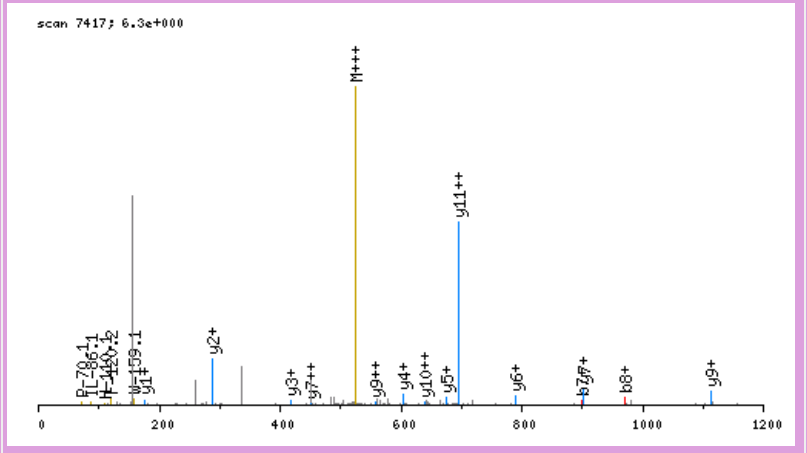
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	16		
296.1822	2	N	15	1750.9221	**875.9650**
425.2248	3	E	14	1636.8792	**818.9435**
538.3089	4	L	13	1507.8366	**754.4222**
595.3304	5	G	12	1394.7526	**697.8802**
724.3730	6	E	11	1337.7311	669.3695
795.4101	7	A	10	1208.6885	**604.8482**
908.4941	8	L	9	**1137.6514**	**569.3296**
979.5312	9	A	8	**1024.5673**	512.7876
1108.5738	10	E	7	953.5302	477.2690
1268.6044	11	C	6	824.4876	**412.7477**
1430.7625	12	K	5	664.4570	332.7324
1543.8466	13	L	4	**502.2989**	251.6534
1658.8735	14	D	3	389.2149	195.1113
1757.9420	15	V	2	**274.1879**	137.5979
	16	R	1	**175.1195**	88.0637

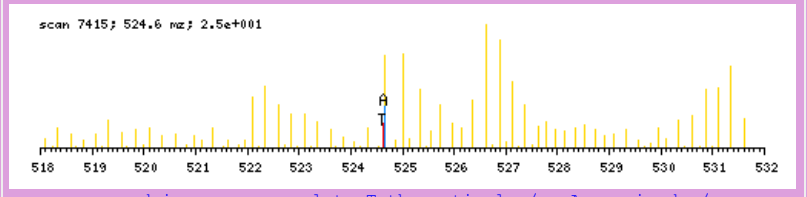
N-term:+35.07 C(11):+160.03
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FNKPDIDAWELR, MH+ 1571.8858, m/z 524.6335
H OS G34 P160811 220811-s1.07417.07417.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



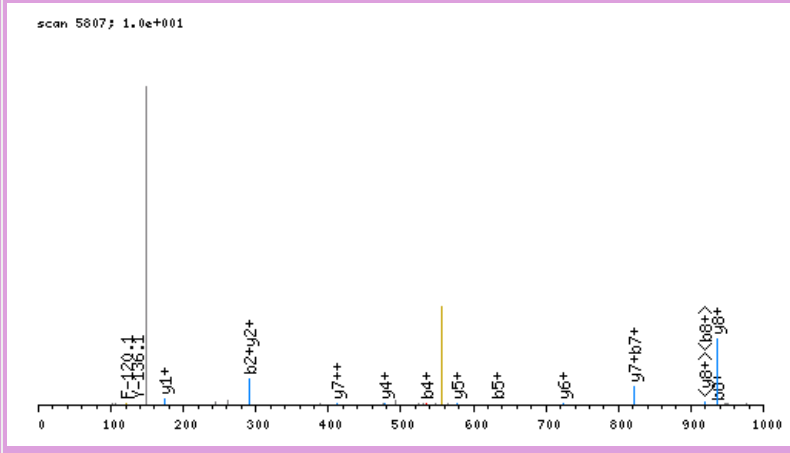
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	12		
296.1822	2	N	11	1390.7543	**695.8811**
458.3403	3	K	10	1276.7114	**638.8596**
555.3931	4	P	9	**1114.5533**	**557.7806**
670.4200	5	D	8	1017.5005	509.2542
783.5041	6	I	7	**902.4736**	**451.7407**
898.5311	7	D	6	**789.3895**	395.1987
969.5682	8	A	5	**674.3626**	337.6852
1155.6475	9	W	4	**603.3255**	302.1666
1284.6901	10	E	3	**417.2462**	209.1270
1397.7741	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

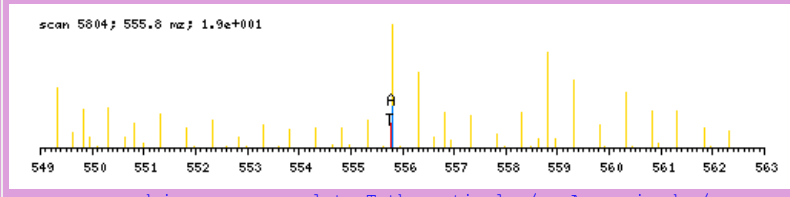
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FNPFVTSDR, MH+ 1110.5584, m/z 555.7828
L OS G31 P160811 220811-s1.05807.05807.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



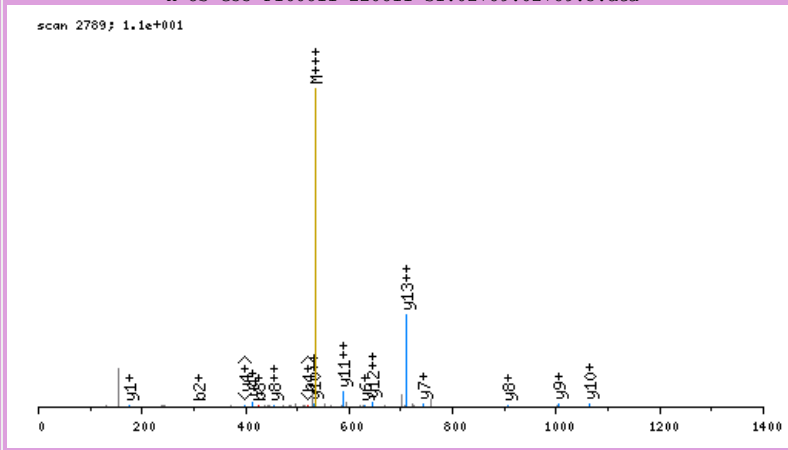
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	9		
290.1504	2	N	8	935.4587	468.2332
387.2032	3	P	7	821.4157	411.2118
534.2716	4	F	6	724.3630	362.6854
633.3400	5	V	5	577.2946	289.1512
734.3877	6	T	4	478.2262	239.6170
821.4197	7	S	3	377.1785	189.0931
936.4467	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

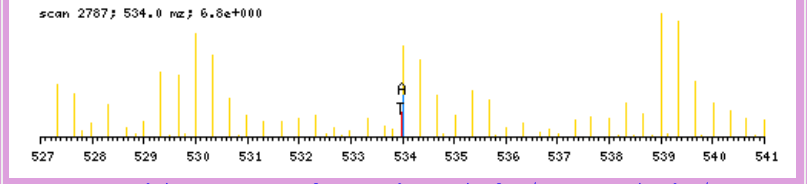
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FQDLGVKNSEPAAR, MH+ 1599.9131, m/z 533.9759
H OS G33 P160811 220811-s1.02789.02789.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



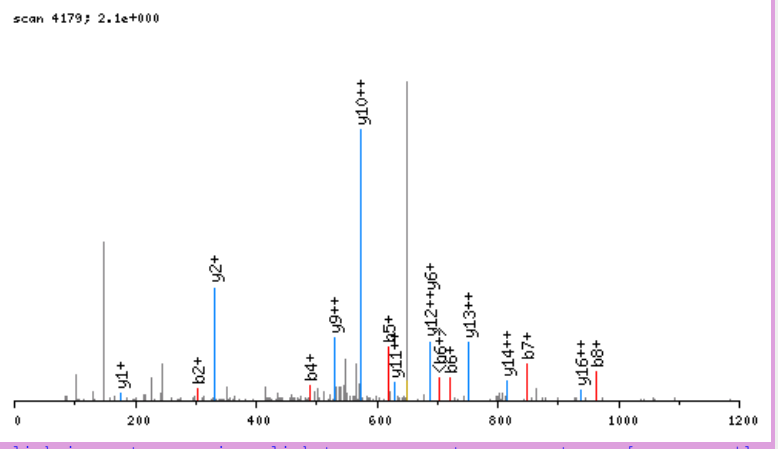
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	14		
310.1979	2	Q	13	1418.7816	709.8947
425.2248	3	D	12	1290.7230	645.8654
538.3089	4	L	11	1175.6961	588.3520
595.3304	5	G	10	1062.6120	531.8099
694.3988	6	V	9	1005.5906	503.2992
856.5569	7	K	8	906.5221	453.7650
970.5998	8	N	7	744.3640	372.6859
1057.6318	9	S	6	630.3211	315.6645
1186.6744	10	E	5	543.2891	272.1485
1283.7272	11	P	4	414.2465	207.6272
1354.7643	12	A	3	317.1937	159.1008
1425.8014	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

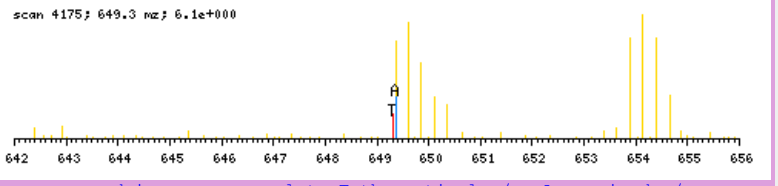
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FQGEETENEENLSSEKAGLDKR, MH+ 2594.2586, m/z 649.3201
L OS G34 P160811 220811-s1.04179.04179.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



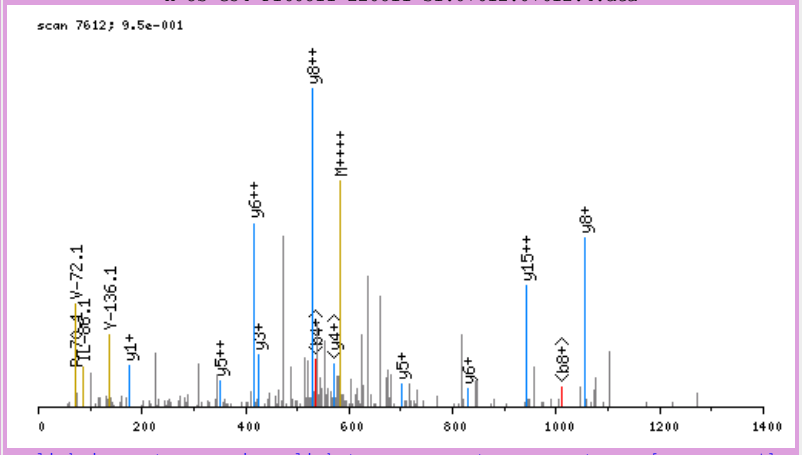
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	22		
304.1661	2	Q	21	2419.1589	1210.0834
361.1876	3	G	20	2291.1004	1146.0541
490.2301	4	E	19	2234.0789	1117.5434
619.2727	5	E	18	2105.0363	1053.0221
720.3204	6	T	17	1975.9937	988.5008
849.3630	7	E	16	1874.9460	**937.9769**
963.4059	8	N	15	1745.9034	873.4556
1092.4485	9	E	14	1631.8605	**816.4342**
1221.4911	10	E	13	1502.8179	**751.9129**
1335.5341	11	N	12	1373.7753	**687.3916**
1448.6181	12	L	11	1259.7324	**630.3701**
1535.6501	13	S	10	1146.6483	**573.8281**
1622.6822	14	S	9	1059.6163	**530.3121**
1751.7248	15	E	8	972.5843	486.7961
1907.8511	16	K	7	843.5417	422.2748
1978.8882	17	A	6	**687.4154**	344.2116
2035.9096	18	G	5	616.3783	308.6930
2148.9937	19	L	4	559.3568	280.1823
2264.0207	20	D	3	446.2727	223.6403
2420.1470	21	K	2	**331.2458**	166.1268
	22	R	1	**175.1195**	88.0637

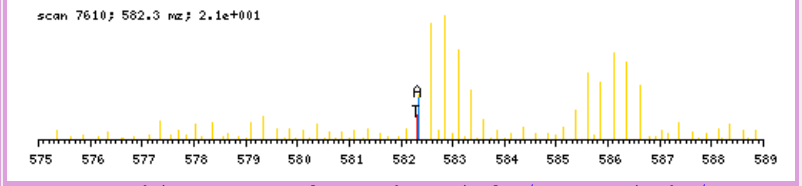
N-term:+29.04 K(16):+156.13
K(21):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

FQMLPLYTLEQVQIYYSR, MH+ 2326.2369, m/z 582.3147
H OS G34 P160811 220811-s1.07612.07612.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

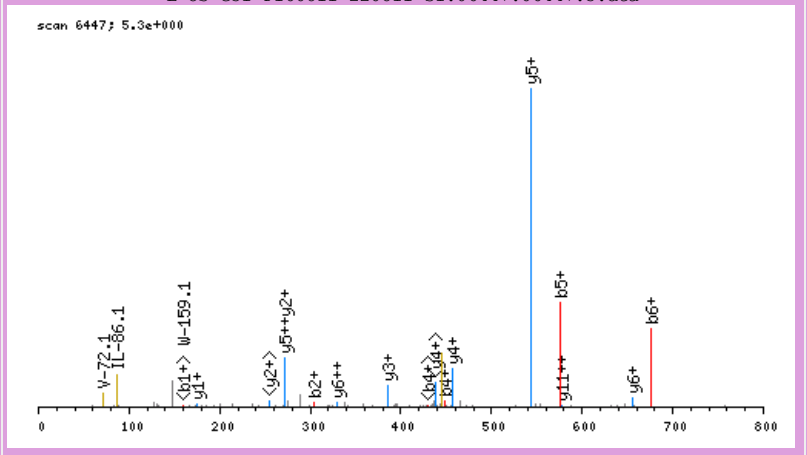


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

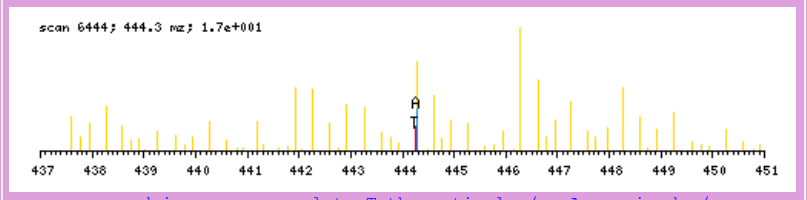
b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	18		
310.1979	2	Q	17	2145.1054	1073.0566
441.2384	3	M	16	2017.0469	1009.0273
554.3224	4	L	15	1886.0064	**943.5071**
651.3752	5	P	14	1772.9223	886.9651
764.4593	6	L	13	1675.8695	838.4387
927.5226	7	Y	12	1562.7855	781.8967
1028.5703	8	T	11	1399.7222	700.3650
1141.6543	9	L	10	1298.6745	649.8412
1270.6969	10	E	9	1185.5904	593.2991
1398.7555	11	Q	8	**1056.5478**	**528.7778**
1497.8239	12	V	7	928.4892	464.7485
1625.8825	13	Q	6	**829.4208**	**415.2143**
1738.9666	14	I	5	**701.3623**	**351.1850**
1902.0299	15	Y	4	588.2782	294.6430
2065.0932	16	Y	3	**425.2149**	213.1113
2152.1253	17	S	2	262.1515	131.5797
	18	R	1	**175.1195**	88.0637

N-term:+35.07

FQSGQVLSALPR, MH+ 1330.7483, m/z 444.2543
L OS G31 P160811 220811-s1.06447.06447.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

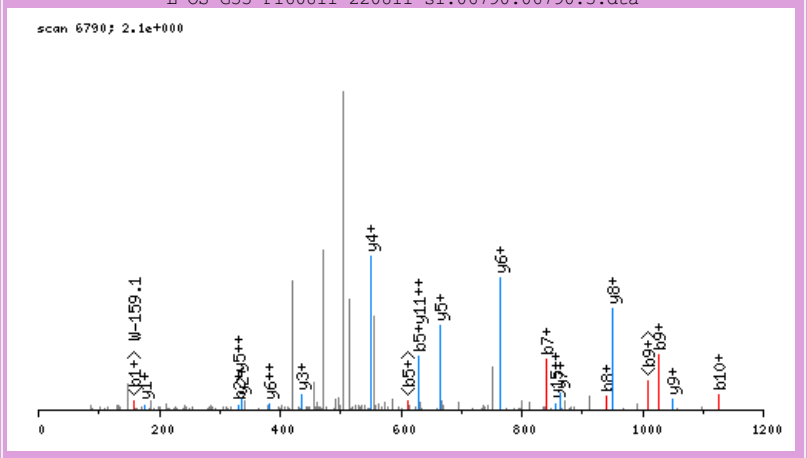
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
304.1661	2	Q	11	1155.6486	**578.3282**
391.1981	3	S	10	1027.5900	514.2989
448.2196	4	G	9	940.5580	470.7829
576.2782	5	Q	8	883.5365	442.2722
675.3466	6	V	7	755.4779	378.2429
788.4306	7	L	6	**656.4095**	**328.7087**
875.4627	8	S	5	**543.3255**	**272.1666**
946.4998	9	A	4	**456.2934**	228.6506
1059.5838	10	L	3	**385.2563**	193.1321
1156.6366	11	P	2	**272.1723**	136.5900
	12	R	1	**175.1195**	88.0637

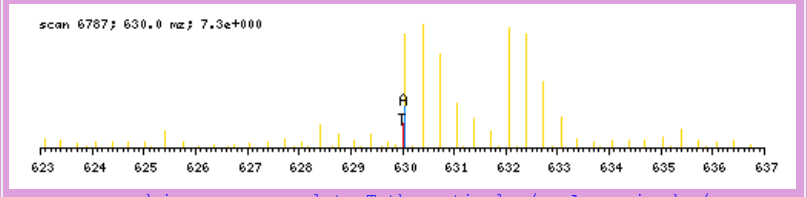
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FRVPTPNVSVVDLTCR, MH+ 1888.0114, m/z 630.0087
L OS G33 P160811 220811-s1.06790.06790.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



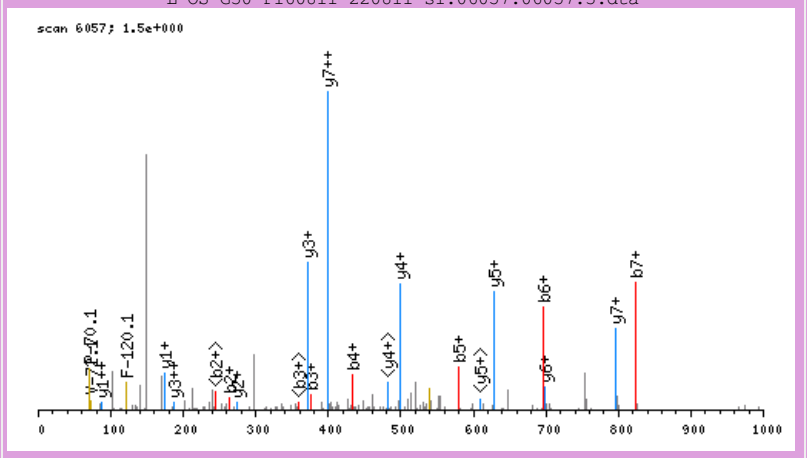
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
332.2086	2	R	15	1712.9117	856.9598
431.2770	3	V	14	1556.8106	778.9092
528.3298	4	P	13	1457.7422	729.3750
629.3775	5	T	12	1360.6894	680.8486
726.4302	6	P	11	1259.6417	630.3248
840.4732	7	N	10	1162.5890	581.7984
939.5416	8	V	9	1048.5461	524.7769
1026.5736	9	S	8	949.4776	475.2427
1125.6420	10	V	7	862.4456	431.7267
1224.7104	11	V	6	763.3772	382.1925
1339.7374	12	D	5	664.3088	332.6583
1452.8215	13	L	4	549.2818	275.1448
1553.8691	14	T	3	436.1978	218.6028
1713.8997	15	C	2	335.1501	168.0790
	16	R	1	175.1195	88.0637

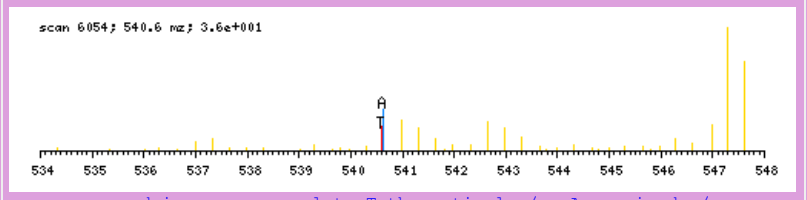
N-term:+29.04 C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FSLGFDEPAEQPVR, MH+ 1619.8069, m/z 540.6072
L OS G30 P160811 220811-s1.06057.06057.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



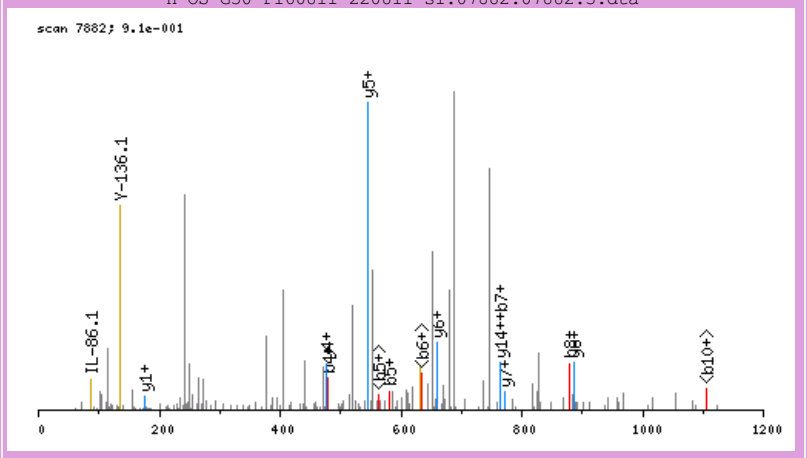
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
263.1395	2	S	13	1444.7072	722.8575
376.2236	3	L	12	1357.6752	679.3415
433.2451	4	G	11	1244.5911	622.7995
580.3135	5	F	10	1187.5697	594.2888
695.3404	6	D	9	1040.5013	520.7545
824.3830	7	E	8	925.4743	463.2411
921.4358	8	P	7	**796.4317**	**398.7198**
992.4729	9	A	6	**699.3790**	350.1934
1121.5155	10	E	5	**628.3418**	314.6748
1249.5741	11	Q	4	**499.2993**	250.1535
1346.6268	12	P	3	**371.2407**	**186.1243**
1445.6952	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	**88.0637**

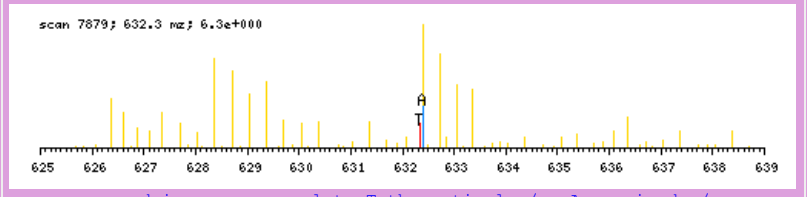
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FSPLTANLMNLLAENGR, MH+ 1895.0273, m/z 632.3473
H OS G30 P160811 220811-s1.07882.07882.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



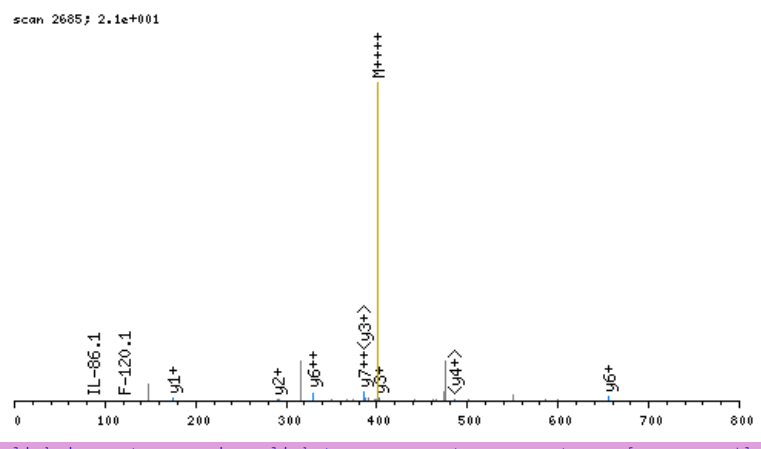
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	17		
269.1713	2	S	16	1713.8958	857.4518
366.2241	3	P	15	1626.8638	813.9358
479.3082	4	L	14	1529.8110	**765.4094**
580.3558	5	T	13	1416.7269	708.8674
651.3930	6	A	12	1315.6792	658.3435
765.4359	7	N	11	1244.6421	622.8250
878.5200	8	L	10	1130.5992	565.8035
1009.5604	9	M	9	1017.5151	509.2615
1123.6034	10	N	8	**886.4747**	443.7412
1236.6874	11	L	7	**772.4317**	386.7198
1349.7715	12	L	6	**659.3477**	330.1777
1420.8086	13	A	5	**546.2636**	273.6357
1549.8512	14	E	4	**475.2265**	238.1172
1663.8941	15	N	3	346.1839	173.5959
1720.9156	16	G	2	232.1410	116.5744
	17	R	1	**175.1195**	88.0637

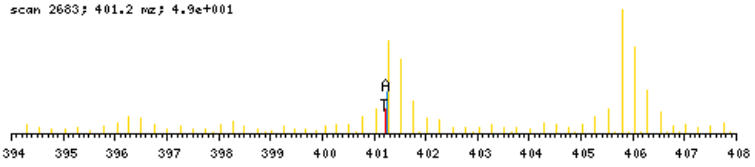
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

FTKNQKDPGVLDR, MH+ 1601.9016, m/z 401.2308
L OS G35 P160811 220811-s1.02685.02685.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



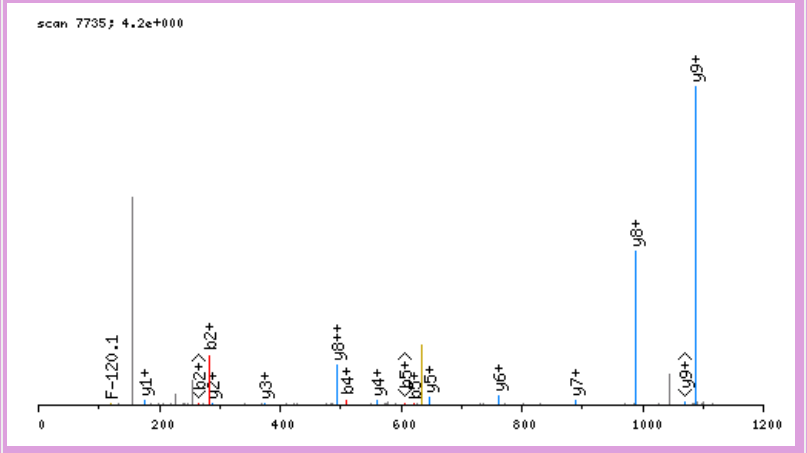
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
277.1552	2	T	12	1426.8019	713.9049
433.2815	3	K	11	1325.7542	663.3810
547.3244	4	N	10	1169.6279	585.3179
675.3830	5	Q	9	1055.5850	528.2964
831.5093	6	K	8	927.5264	464.2671
946.5362	7	D	7	771.4001	**386.2040**
1043.5890	8	P	6	**656.3731**	**328.6905**
1100.6105	9	G	5	559.3204	280.1641
1199.6789	10	V	4	502.2989	251.6534
1312.7629	11	L	3	**403.2305**	202.1192
1427.7899	12	D	2	**290.1464**	145.5771
	13	R	1	**175.1195**	88.0637

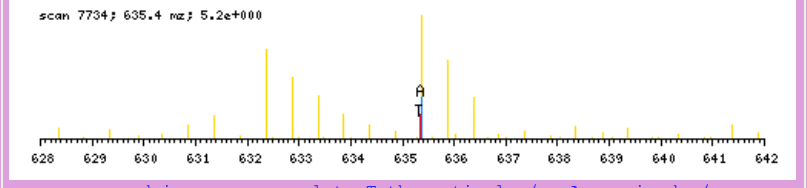
N-term:+29.04 K(3):+156.13
K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FTPEISWSLR, MH+ 1269.7055, m/z 635.3564
H OS G31 P160811 220811-s1.07735.07735.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



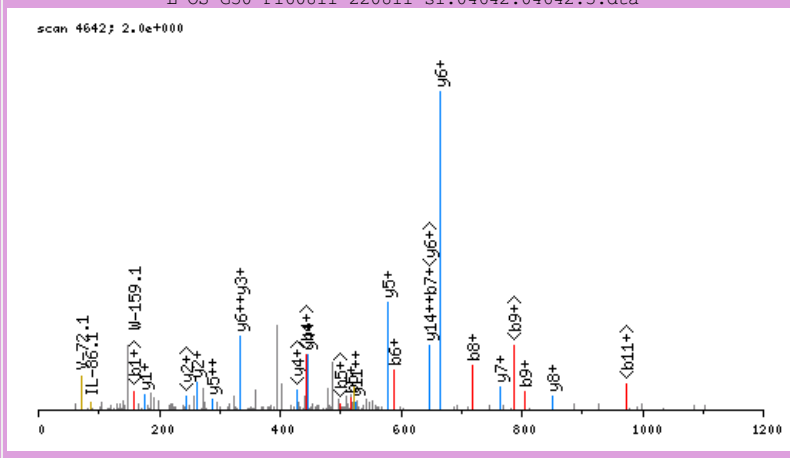
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	10		
283.1870	2	T	9	1088.5740	544.7909
380.2398	3	P	8	987.5264	494.2671
509.2823	4	E	7	890.4736	445.7407
622.3664	5	I	6	761.4310	381.2194
709.3984	6	S	5	648.3469	324.6774
895.4778	7	W	4	561.3149	281.1614
982.5098	8	S	3	375.2356	188.1217
1095.5938	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

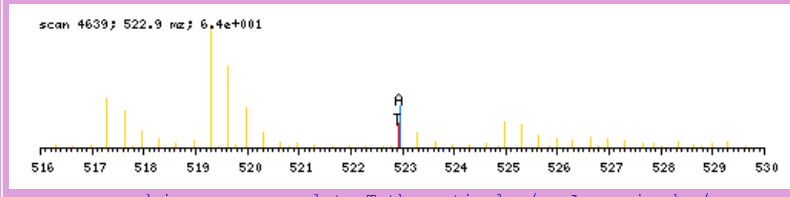
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FTPSGAGASVSMIASR, MH+ 1566.7950, m/z 522.9365
L OS G30 P160811 220811-s1.04642.04642.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



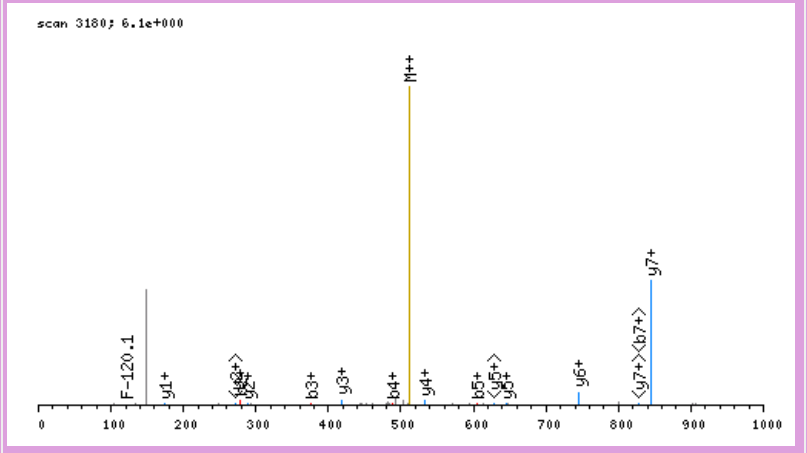
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
277.1552	2	T	15	1391.6953	696.3516
374.2080	3	P	14	1290.6476	**645.8277**
461.2400	4	S	13	1193.5948	597.3013
518.2614	5	G	12	1106.5628	553.7853
589.2986	6	A	11	1049.5414	**525.2746**
646.3200	7	G	10	978.5042	489.7560
717.3571	8	A	9	921.4828	461.2453
804.3892	9	S	8	**850.4457**	425.7267
903.4576	10	V	7	**763.4136**	382.2107
990.4896	11	S	6	**664.3452**	**332.6765**
1121.5301	12	M	5	**577.3132**	**289.1605**
1234.6142	13	I	4	**446.2727**	223.6403
1305.6513	14	A	3	**333.1886**	167.0982
1392.6833	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

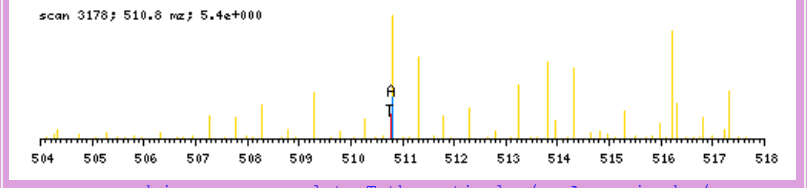
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FTVIDQNR, MH+ 1020.5478, m/z 510.7775
L OS G32 P160811 220811-s1.03180.03180.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



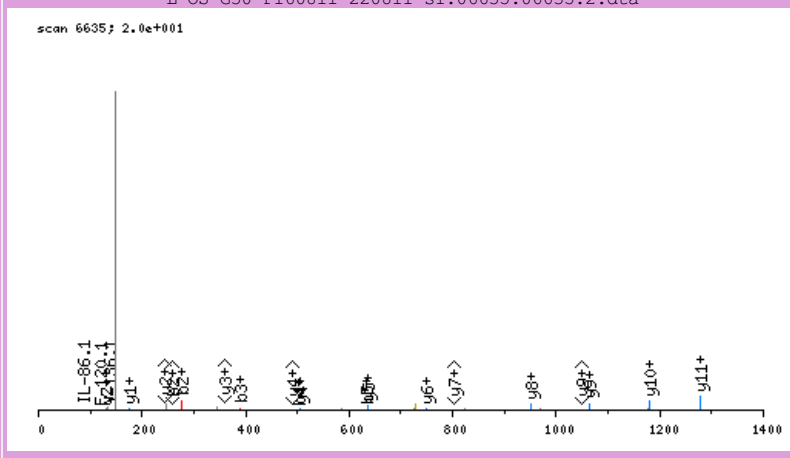
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	8		
277.1552	2	T	7	845.4481	423.2280
376.2236	3	V	6	744.4004	372.7041
489.3077	4	I	5	645.3320	323.1699
604.3346	5	D	4	532.2479	266.6279
732.3932	6	Q	3	417.2210	209.1144
846.4361	7	N	2	289.1624	145.0851
	8	R	1	175.1195	88.0637

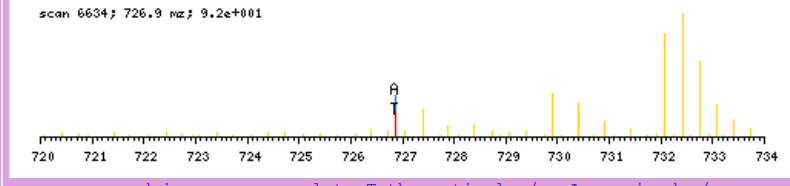
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FVLDEADEMLSR, MH+ 1452.7044, m/z 726.8559
L OS G30 P160811 220811-s1.06635.06635.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



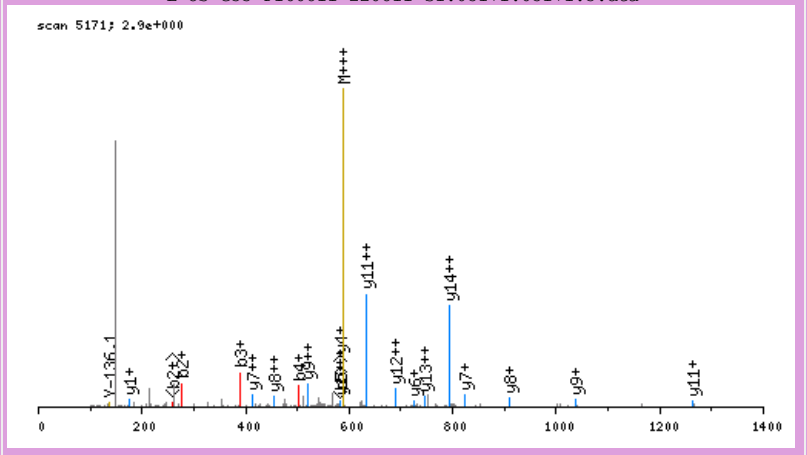
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
275.1759	2	V	11	1277.6047	639.3063
388.2600	3	L	10	1178.5363	589.7721
503.2869	4	D	9	1065.4523	533.2300
632.3295	5	E	8	950.4253	475.7166
703.3666	6	A	7	821.3827	411.1953
818.3936	7	D	6	750.3456	375.6767
947.4362	8	E	5	635.3187	318.1632
1078.4767	9	M	4	506.2761	253.6420
1191.5607	10	L	3	375.2356	188.1217
1278.5928	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

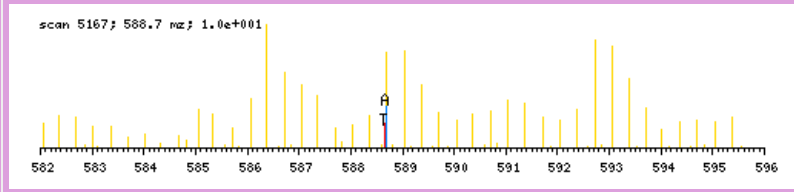
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FVLLPEQSPGSYSKR, MH+ 1763.9696, m/z 588.6614
L OS G33 P160811 220811-s1.05171.05171.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

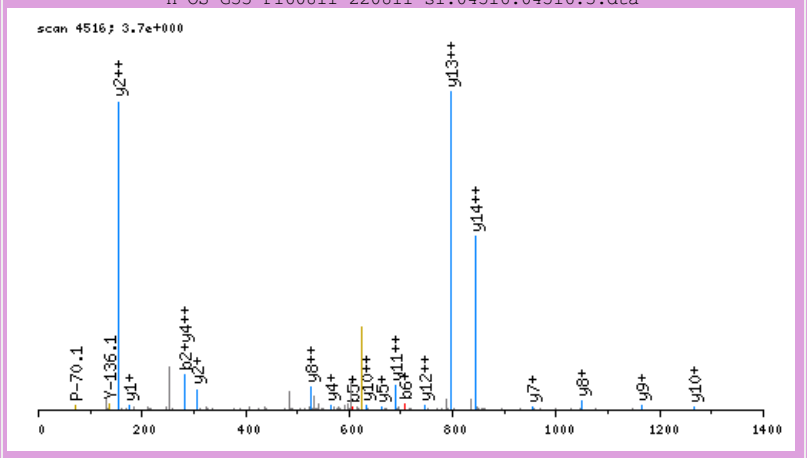


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

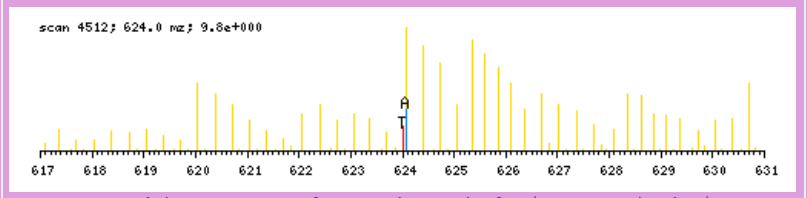
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
275.1759	2	V	14	1588.8699	794.9389
388.2600	3	L	13	1489.8015	745.4047
501.3441	4	L	12	1376.7174	688.8626
598.3968	5	P	11	1263.6334	632.3206
727.4394	6	E	10	1166.5806	583.7942
855.4980	7	Q	9	1037.5380	519.2729
942.5300	8	S	8	909.4794	455.2436
1039.5828	9	P	7	822.4474	411.7276
1096.6042	10	G	6	725.3946	363.2012
1183.6363	11	S	5	668.3732	334.6905
1346.6996	12	Y	4	581.3412	291.1745
1433.7316	13	S	3	418.2778	209.6428
1589.8579	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

N-term:+29.04 K(14):+156.13

FVPLNTNPKEVQEMR, MH+ 1870.0533, m/z 624.0226
H OS G33 P160811 220811-s1.04516.04516.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



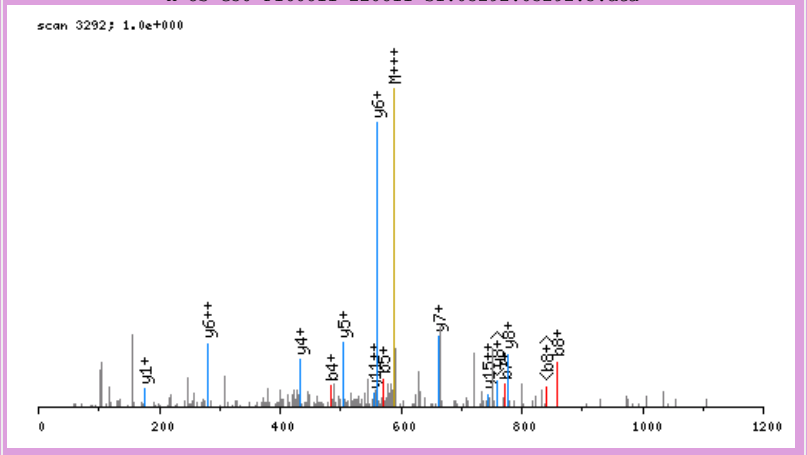
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

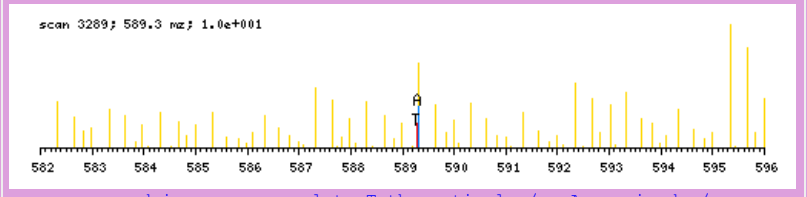
b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	15		
281.2077	2	V	14	1688.9218	**844.9648**
378.2605	3	P	13	1589.8534	**795.4306**
491.3446	4	L	12	1492.8006	**746.9042**
605.3875	5	N	11	1379.7166	**690.3622**
706.4352	6	T	10	**1265.6736**	**633.3407**
820.4781	7	N	9	**1164.6260**	582.8169
917.5309	8	P	8	**1050.5830**	**525.7954**
1079.6890	9	K	7	**953.5303**	477.2690
1208.7315	10	E	6	791.3722	396.1900
1307.8000	11	V	5	**662.3296**	331.6687
1435.8585	12	Q	4	**563.2612**	**282.1345**
1564.9011	13	E	3	435.2026	218.1052
1695.9416	14	M	2	**306.1600**	**153.5839**
	15	R	1	**175.1195**	88.0637

N-term:+35.07 K(9):+162.16

FVSDSSDSMDTGAGSIR, MH+ 1765.8126, m/z 589.2757
H OS G30 P160811 220811-s1.03292.03292.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

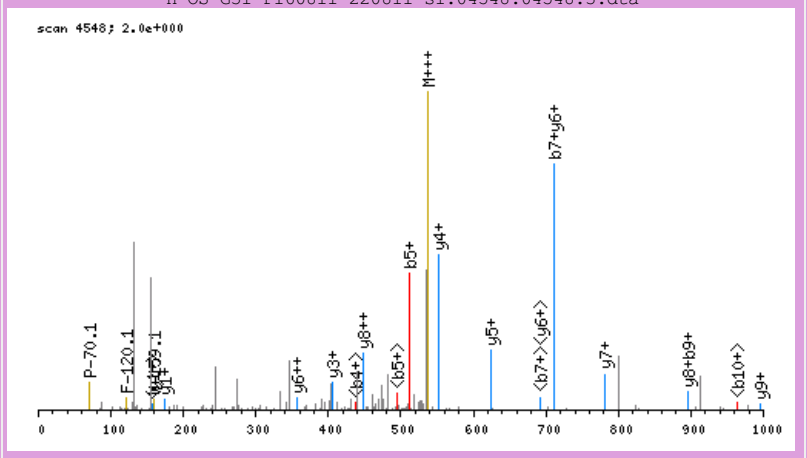
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	17		
281.2077	2	V	16	1584.6812	792.8445
368.2398	3	S	15	1485.6127	**743.3103**
483.2667	4	D	14	1398.5807	699.7943
570.2987	5	S	13	1283.5538	642.2808
657.3308	6	S	12	1196.5217	598.7648
772.3577	7	D	11	1109.4897	**555.2488**
859.3897	8	S	10	994.4628	497.7353
990.4302	9	M	9	907.4307	454.2193
1105.4572	10	D	8	**776.3903**	388.6990
1206.5048	11	T	7	**661.3633**	331.1856
1263.5263	12	G	6	**560.3156**	**280.6617**
1334.5634	13	A	5	**503.2942**	252.1510
1391.5849	14	G	4	**432.2571**	216.6324
1478.6169	15	S	3	375.2356	188.1217
1591.7010	16	I	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

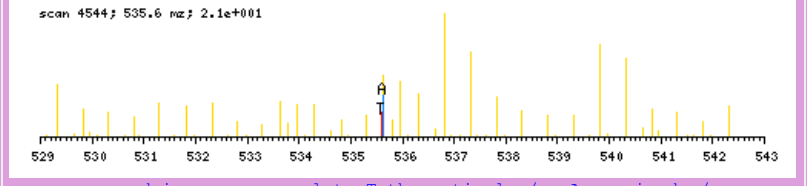
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

FVSSGPTNASAFTER, MH+ 1604.8132, m/z 535.6093
H OS G31 P160811 220811-s1.04548.04548.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



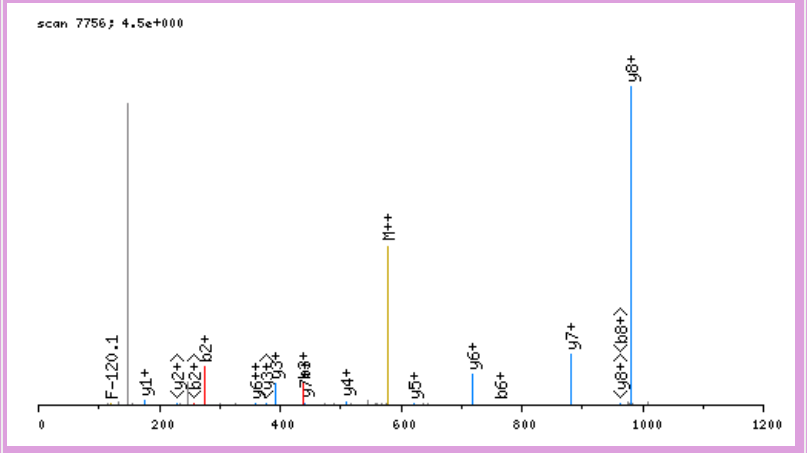
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	15		
281.2077	2	V	14	1423.6817	712.3448
368.2398	3	S	13	1324.6133	662.8106
455.2718	4	S	12	1237.5813	619.2946
512.2932	5	G	11	1150.5493	575.7786
609.3460	6	P	10	1093.5278	547.2678
710.3937	7	T	9	**996.4750**	498.7414
824.4366	8	N	8	**895.4274**	**448.2176**
895.4737	9	A	7	**781.3844**	391.1961
982.5058	10	S	6	**710.3473**	**355.6776**
1053.5429	11	A	5	**623.3153**	312.1616
1200.6113	12	F	4	**552.2782**	276.6430
1301.6590	13	T	3	**405.2098**	203.1088
1430.7016	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

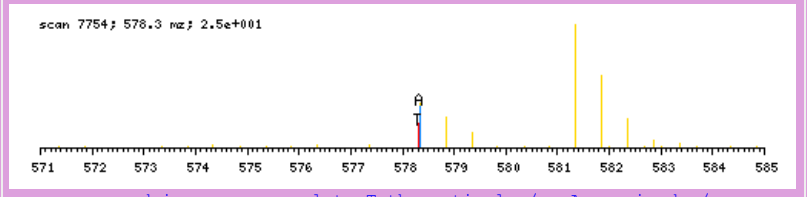
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FVYPLDFAR, MH+ 1155.6202, m/z 578.3138
L OS G31 P160811 220811-s1.07756.07756.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



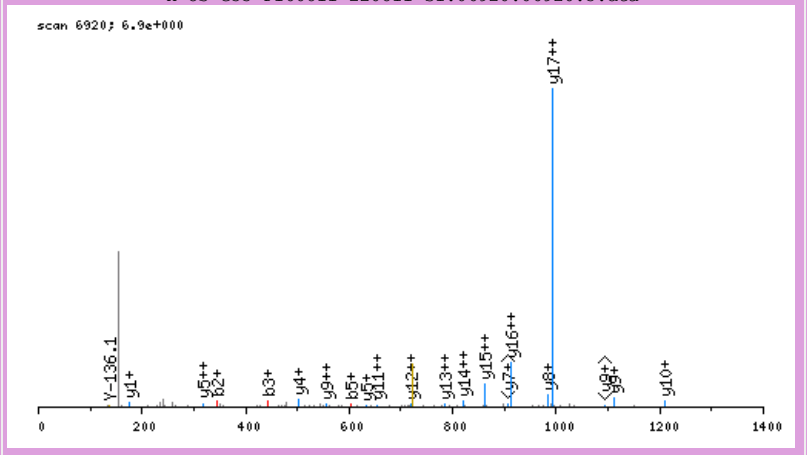
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	9		
275.1759	2	V	8	980.5205	490.7642
438.2393	3	Y	7	881.4521	441.2300
535.2920	4	P	6	718.3888	359.6983
648.3761	5	L	5	621.3360	311.1719
763.4030	6	D	4	508.2520	254.6299
910.4714	7	F	3	393.2250	197.1164
981.5086	8	A	2	246.1566	123.5822
	9	R	1	175.1195	88.0637

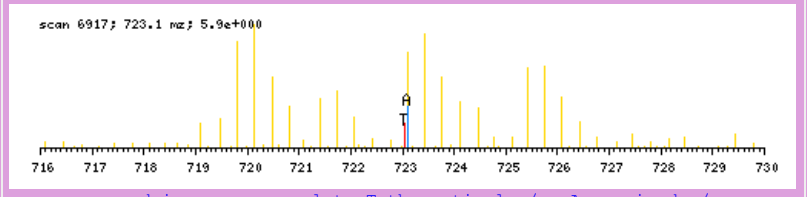
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FYVSAEQVVQGMKEAQER, MH+ 2167.1494, m/z 723.0546
H OS G33 P160811 220811-s1.06920.06920.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



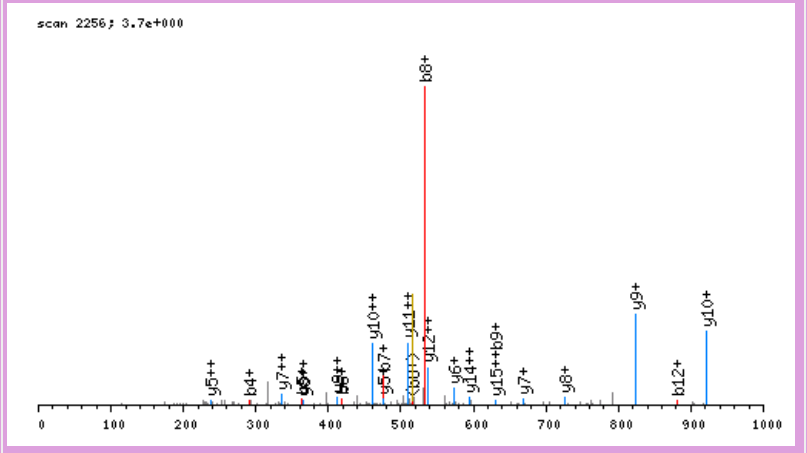
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	18		
345.2026	2	Y	17	1986.0179	**993.5129**
444.2711	3	V	16	1822.9546	**911.9812**
531.3031	4	S	15	1723.8861	**862.4470**
602.3402	5	A	14	1636.8541	**818.9310**
731.3828	6	E	13	1565.8170	**783.4124**
859.4414	7	Q	12	1436.7744	**718.8911**
958.5098	8	V	11	1308.7158	**654.8618**
1057.5782	9	V	10	**1209.6474**	605.3276
1185.6368	10	Q	9	**1110.5790**	**555.7934**
1242.6582	11	G	8	**982.5204**	491.7641
1373.6987	12	M	7	925.4990	463.2534
1535.8568	13	K	6	794.4585	397.7332
1664.8994	14	E	5	**632.3004**	**316.6541**
1735.9365	15	A	4	**503.2578**	252.1328
1863.9951	16	Q	3	432.2207	216.6142
1993.0377	17	E	2	304.1621	152.5850
	18	R	1	**175.1195**	88.0637

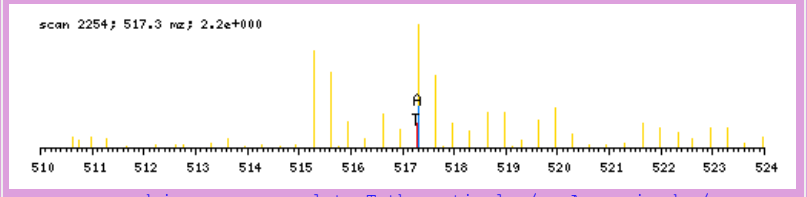
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAAGAGGGPPPGPPGAGDR, MH+ 1549.7935, m/z 517.2694
H OS G30 P160811 220811-s1.02256.02256.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



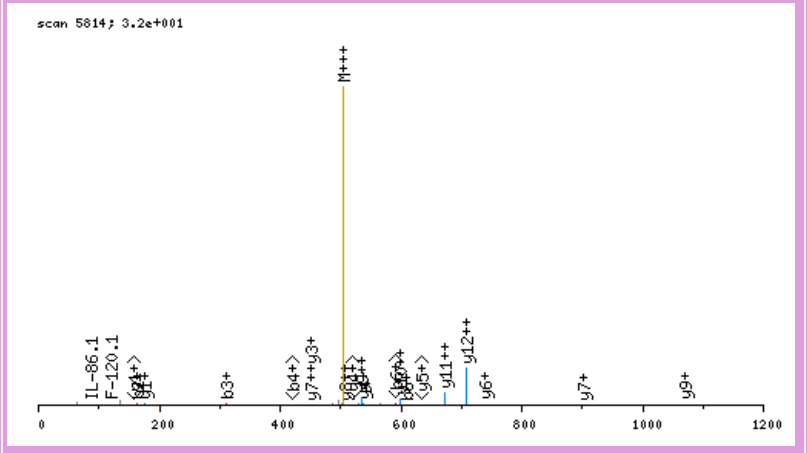
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
163.1295	2	A	18	1458.7090	729.8584
234.1666	3	A	17	1387.6719	694.3398
291.1881	4	G	16	1316.6347	658.8213
362.2252	5	A	15	1259.6133	**630.3105**
419.2466	6	G	14	1188.5762	**594.7920**
476.2681	7	G	13	1131.5547	566.2813
533.2896	8	G	12	1074.5332	**537.7705**
630.3423	9	P	11	1017.5118	**509.2598**
727.3951	10	P	10	**920.4590**	**460.7334**
824.4479	11	P	9	**823.4062**	**412.2070**
881.4693	12	G	8	**726.3535**	**363.6807**
978.5221	13	P	7	**669.3320**	**335.1699**
1075.5748	14	P	6	**572.2792**	286.6435
1132.5963	15	G	5	**475.2265**	**238.1172**
1203.6334	16	A	4	418.2050	209.6064
1260.6549	17	G	3	347.1679	174.0879
1375.6818	18	D	2	290.1464	145.5771
	19	R	1	175.1195	88.0637

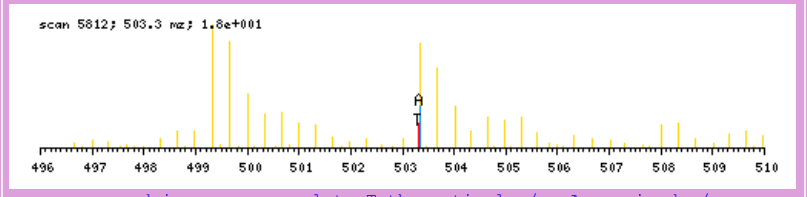
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAFQGLKSLSYIR, MH+ 1507.9273, m/z 503.3139
H OS G33 P160811 220811-s1.05814.05814.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



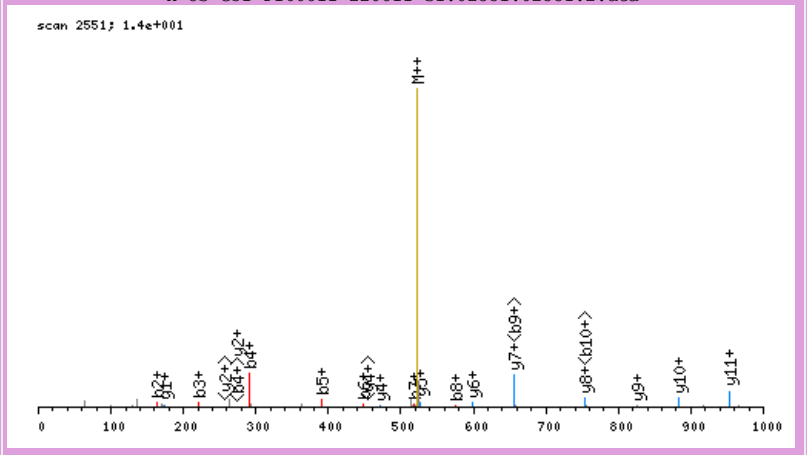
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
163.1295	2	A	12	1416.8427	708.9253
310.1979	3	F	11	1345.8056	673.4067
438.2565	4	Q	10	1198.7372	599.8725
495.2779	5	G	9	1070.6786	535.8432
608.3620	6	L	8	1013.6572	507.3325
770.5201	7	K	7	900.5731	450.7905
857.5521	8	S	6	738.4150	369.7114
970.6362	9	L	5	651.3830	326.1954
1057.6682	10	S	4	538.2989	269.6534
1220.7315	11	Y	3	451.2669	226.1374
1333.8156	12	I	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

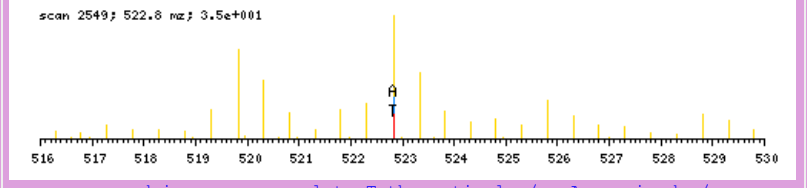
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAGAVGAGPVVR, MH+ 1044.6378, m/z 522.8225
H OS G31 P160811 220811-s1.02551.02551.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



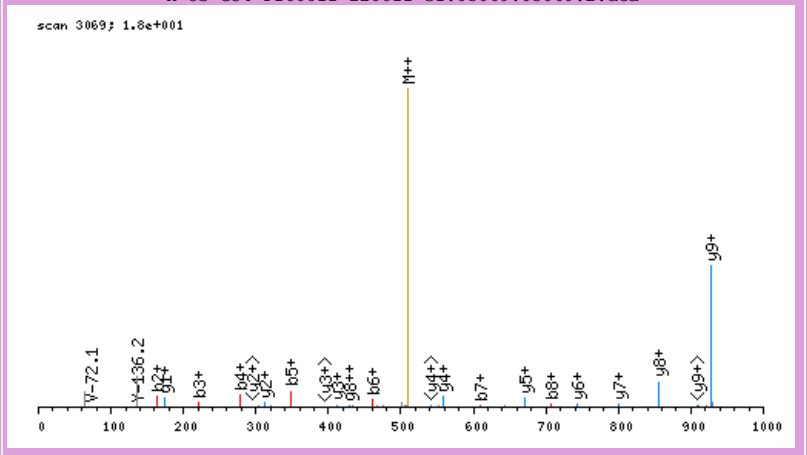
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
163.1295	2	A	11	953.5532	477.2805
220.1509	3	G	10	882.5161	441.7620
291.1881	4	A	9	825.4947	413.2512
390.2565	5	V	8	754.4575	377.7327
447.2779	6	G	7	655.3891	328.1985
518.3150	7	A	6	598.3677	299.6877
575.3365	8	G	5	527.3306	264.1692
672.3893	9	P	4	470.3091	235.6585
771.4577	10	V	3	373.2563	187.1321
870.5261	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

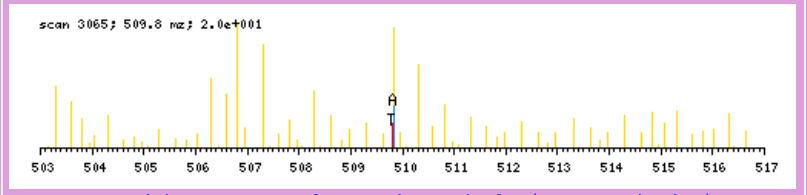
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GAGGALFVHR, MH+ 1018.6010, m/z 509.8041
H OS G34 P160811 220811-s1.03069.03069.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



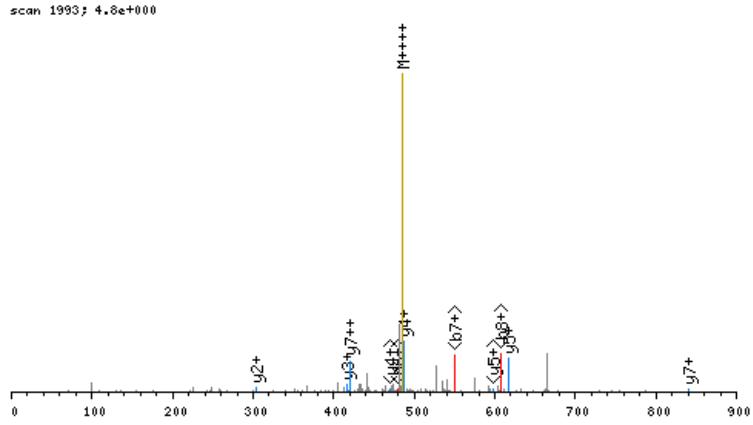
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
163.1295	2	A	9	927.5165	464.2621
220.1509	3	G	8	856.4793	428.7436
277.1724	4	G	7	799.4579	400.2329
348.2095	5	A	6	742.4364	371.7221
461.2936	6	L	5	671.3993	336.2036
608.3620	7	F	4	558.3152	279.6615
707.4304	8	V	3	411.2468	206.1273
844.4893	9	H	2	312.1784	156.5931
	10	R	1	175.1195	88.0637

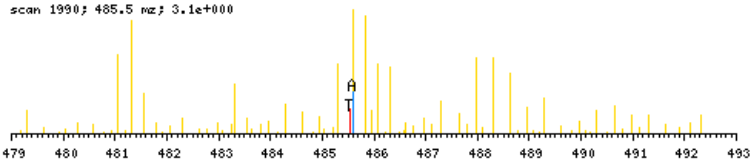
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAGGGKAGKGGPTPQEAIQR, MH+ 1939.1574, m/z 485.5448
H OS G34 P160811 220811-s1.01993.01993.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



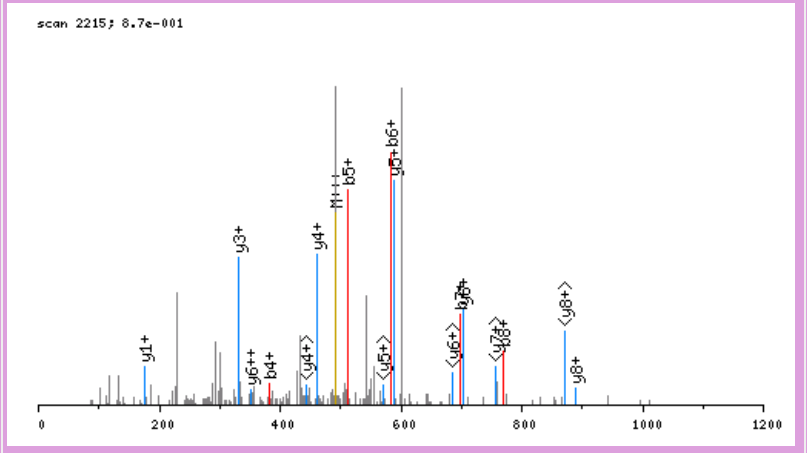
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	20		
163.1295	2	A	19	1848.0728	924.5403
220.1509	3	G	18	1777.0357	889.0218
277.1724	4	G	17	1720.0143	860.5110
334.1939	5	G	16	1662.9928	832.0003
496.3520	6	K	15	1605.9713	803.4896
567.3891	7	A	14	1443.8132	722.4105
624.4105	8	G	13	1372.7761	686.8920
786.5686	9	K	12	1315.7547	658.3812
843.5901	10	G	11	1153.5966	577.3022
900.6116	11	G	10	1096.5751	548.7915
997.6643	12	P	9	1039.5536	520.2807
1098.7120	13	T	8	942.5009	471.7543
1195.7648	14	P	7	**841.4532**	**421.2305**
1323.8234	15	Q	6	744.4004	372.7041
1452.8660	16	E	5	**616.3418**	308.6748
1523.9031	17	A	4	**487.2993**	244.1535
1636.9871	18	I	3	**416.2621**	208.6350
1765.0457	19	Q	2	**303.1781**	152.0930
	20	R	1	175.1195	88.0637

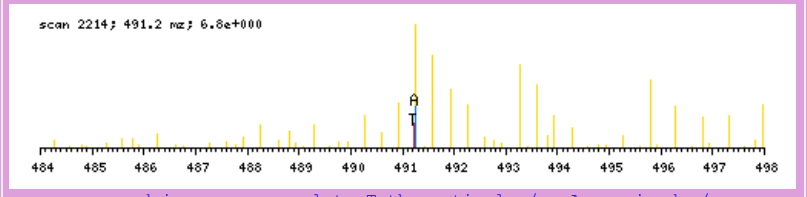
N-term:+35.07 K(6):+162.16
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAPEEADANEEGVR, MH+ 1471.6665, m/z 491.2270
L OS G31 P160811 220811-s1.02215.02215.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

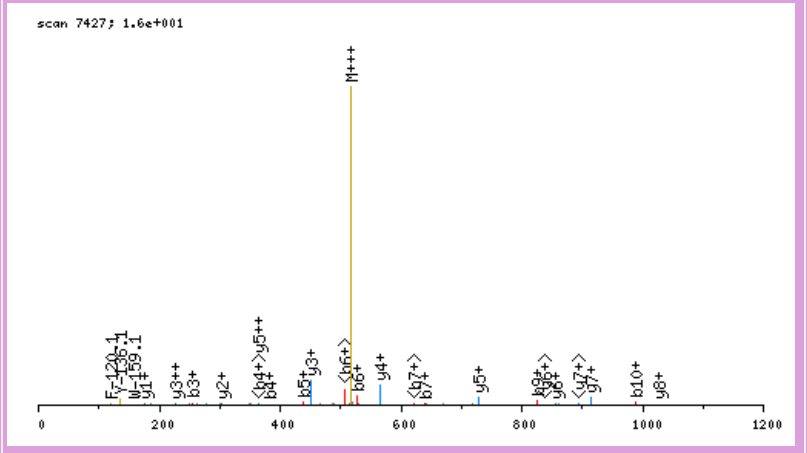


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

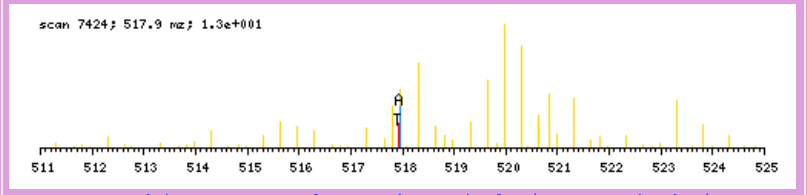
b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
157.0977	2	A	13	1386.6137	693.8108
254.1504	3	P	12	1315.5766	658.2922
383.1930	4	E	11	1218.5238	609.7658
512.2356	5	E	10	1089.4813	545.2445
583.2727	6	A	9	960.4387	480.7232
698.2997	7	D	8	**889.4015**	445.2047
769.3368	8	A	7	774.3746	387.6912
883.3797	9	N	6	**703.3375**	**352.1727**
1012.4223	10	E	5	**589.2946**	295.1512
1141.4649	11	E	4	**460.2520**	230.6299
1198.4864	12	G	3	**331.2094**	166.1086
1297.5548	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

N-term:+29.04

GAPQGSLGEYLFER, MH+ 1551.7807, m/z 517.9318
L OS G31 P160811 220811-s1.07427.07427.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

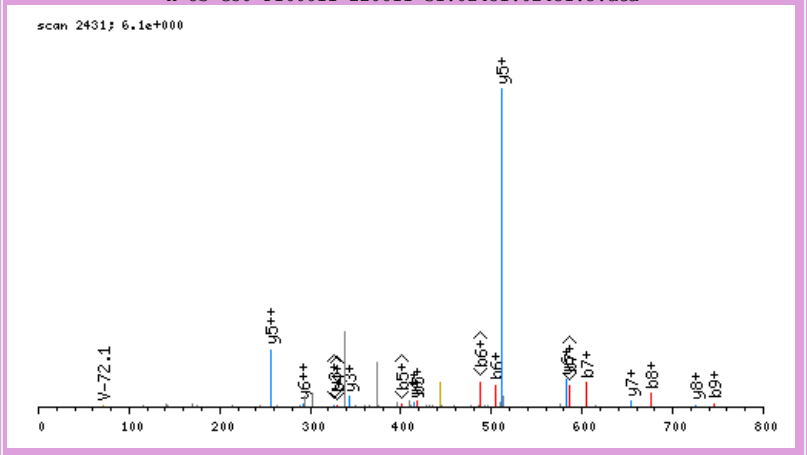
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
157.0977	2	A	13	1466.7280	733.8679
254.1504	3	P	12	1395.6909	698.3493
382.2090	4	Q	11	1298.6381	649.8230
439.2305	5	G	10	1170.5795	585.7937
526.2625	6	S	9	1113.5580	557.2829
639.3466	7	L	8	1026.5260	513.7669
696.3680	8	G	7	913.4420	457.2249
825.4106	9	E	6	856.4205	428.7142
988.4740	10	Y	5	727.3779	364.1929
1101.5580	11	L	4	564.3146	282.6612
1248.6264	12	F	3	451.2305	226.1192
1377.6690	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

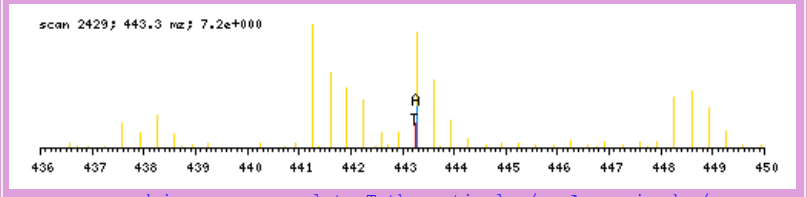
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAPSASVAAAPAPAR, MH+ 1327.7546, m/z 443.2564
H OS G30 P160811 220811-s1.02431.02431.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



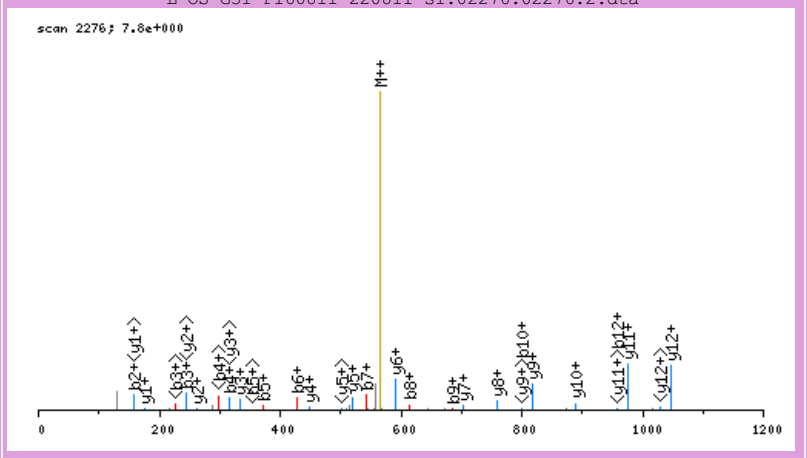
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
163.1295	2	A	14	1236.6701	618.8389
260.1822	3	P	13	1165.6329	583.3204
347.2143	4	S	12	1068.5802	534.7940
418.2514	5	A	11	981.5482	491.2780
505.2834	6	S	10	910.5110	455.7594
604.3518	7	V	9	823.4790	412.2434
675.3889	8	A	8	**724.4106**	362.7092
746.4261	9	A	7	**653.3735**	327.1907
817.4632	10	A	6	**582.3364**	**291.6721**
914.5159	11	P	5	**511.2993**	**256.1535**
985.5530	12	A	4	**414.2465**	207.6272
1082.6058	13	P	3	**343.2094**	172.1086
1153.6429	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

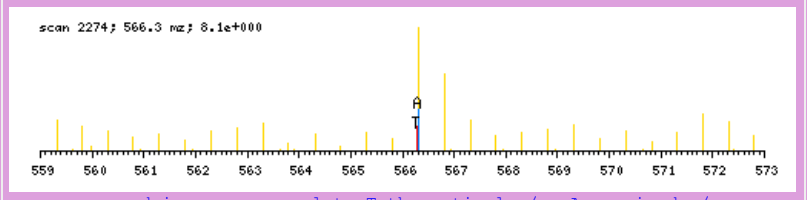
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GASAGGLAADASR, MH+ 1131.5758, m/z 566.2915
L OS G31 P160811 220811-s1.02276.02276.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



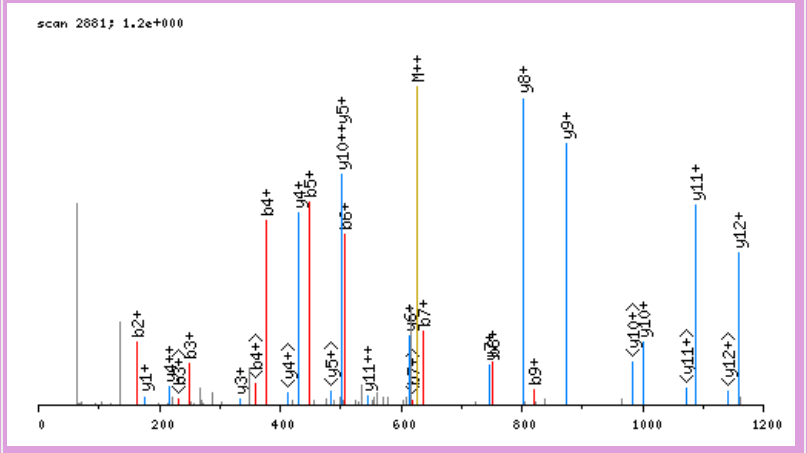
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
157.0977	2	A	12	1046.5231	523.7654
244.1297	3	S	11	975.4859	488.2469
315.1668	4	A	10	888.4539	444.7309
372.1883	5	G	9	817.4168	409.2123
429.2097	6	G	8	760.3953	380.7016
542.2938	7	L	7	703.3739	352.1909
613.3309	8	A	6	590.2898	295.6488
684.3680	9	A	5	519.2527	260.1303
799.3950	10	D	4	448.2156	224.6117
870.4321	11	A	3	333.1886	167.0982
957.4641	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

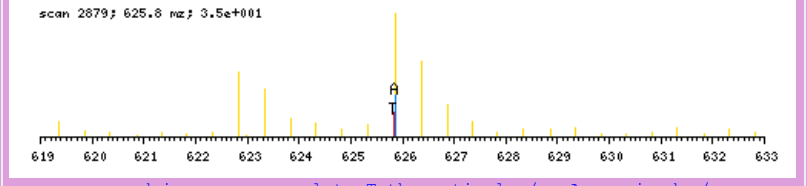
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GASQAGMLAPGTR, MH+ 1250.6739, m/z 625.8406
H OS G31 P160811 220811-s1.02881.02881.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



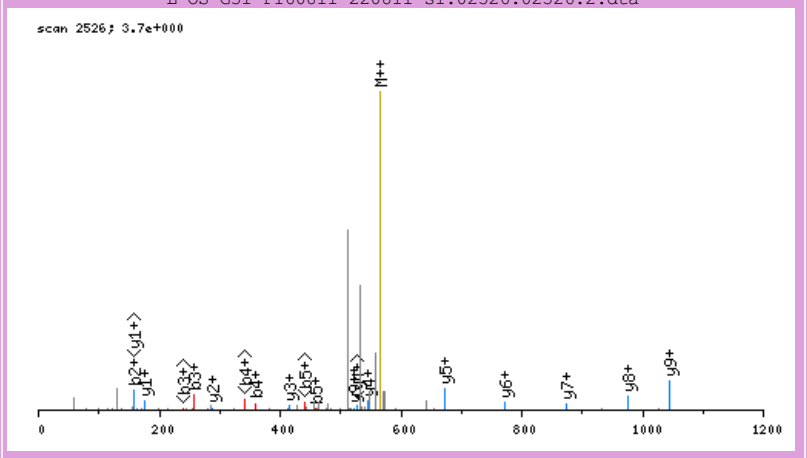
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
163.1295	2	A	12	1159.5894	580.2986
250.1615	3	S	11	1088.5523	544.7800
378.2201	4	Q	10	1001.5202	501.2640
449.2572	5	A	9	873.4616	437.2347
506.2787	6	G	8	802.4245	401.7162
637.3191	7	M	7	745.4031	373.2054
750.4032	8	L	6	614.3626	307.6852
821.4403	9	A	5	501.2785	251.1432
918.4931	10	P	4	430.2414	215.6246
975.5146	11	G	3	333.1886	167.0982
1076.5622	12	T	2	276.1672	138.5875
	13	R	1	175.1195	88.0637

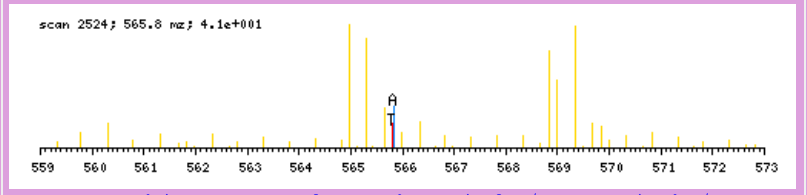
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GATTVQEQLR, MH+ 1130.6169, m/z 565.8121
L OS G31 P160811 220811-s1.02526.02526.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



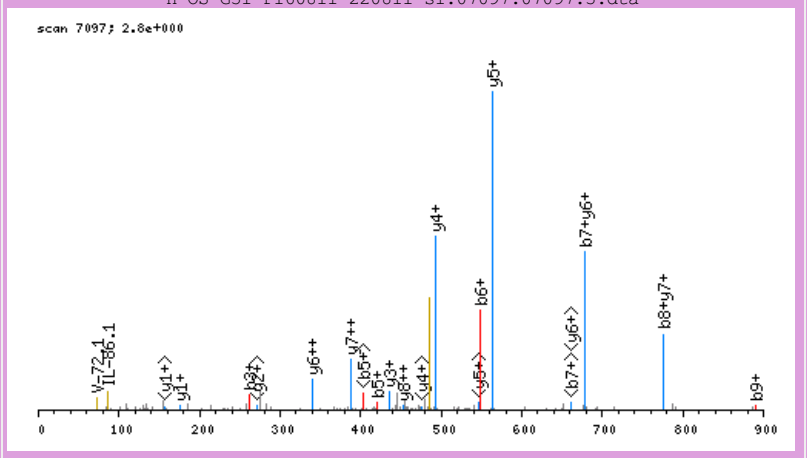
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
157.0977	2	A	9	1045.5642	523.2860
258.1454	3	T	8	974.5271	487.7675
359.1930	4	T	7	873.4794	437.2436
458.2614	5	V	6	772.4317	386.7198
586.3200	6	Q	5	673.3633	337.1856
715.3626	7	E	4	545.3047	273.1563
843.4212	8	Q	3	416.2621	208.6350
956.5053	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

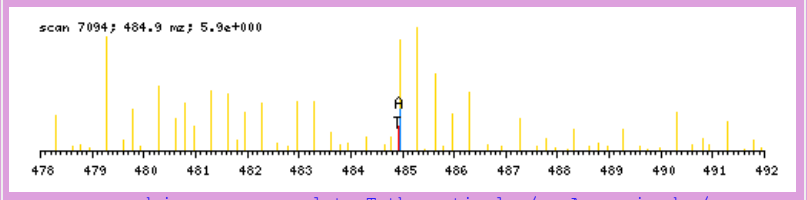
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GAVSAEQVIAGFNR, MH+ 1452.8023, m/z 484.9389
H OS G31 P160811 220811-s1.07097.07097.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



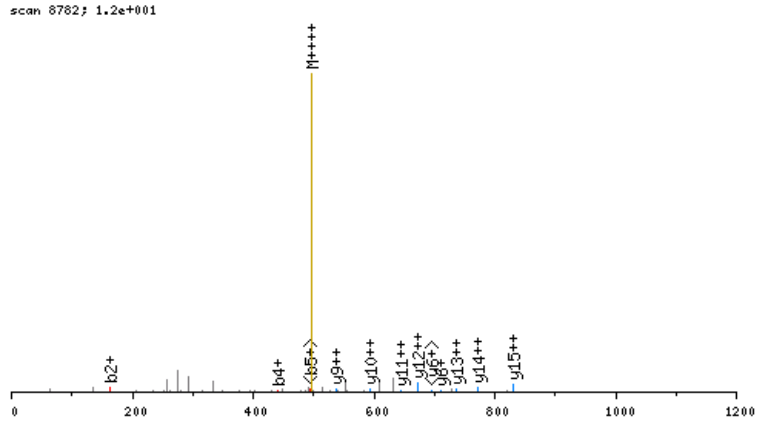
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
163.1295	2	A	13	1361.7177	681.3628
262.1979	3	V	12	1290.6806	645.8442
349.2299	4	S	11	1191.6122	596.3100
420.2670	5	A	10	1104.5802	552.7940
549.3096	6	E	9	1033.5431	517.2754
677.3682	7	Q	8	904.5005	**452.7542**
776.4366	8	V	7	**776.4419**	**388.7249**
889.5207	9	I	6	**677.3735**	**339.1907**
960.5578	10	A	5	**564.2894**	282.6486
1017.5793	11	G	4	**493.2523**	247.1301
1164.6477	12	F	3	**436.2308**	218.6193
1278.6906	13	N	2	289.1624	145.0851
	14	R	1	**175.1195**	88.0637

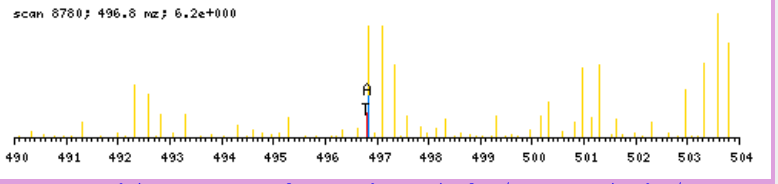
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GAYDAQGTLSKIFKLGGR, MH+ 1984.2080, m/z 496.8075
H OS G34 P160811 220811-s1.08782.08782.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



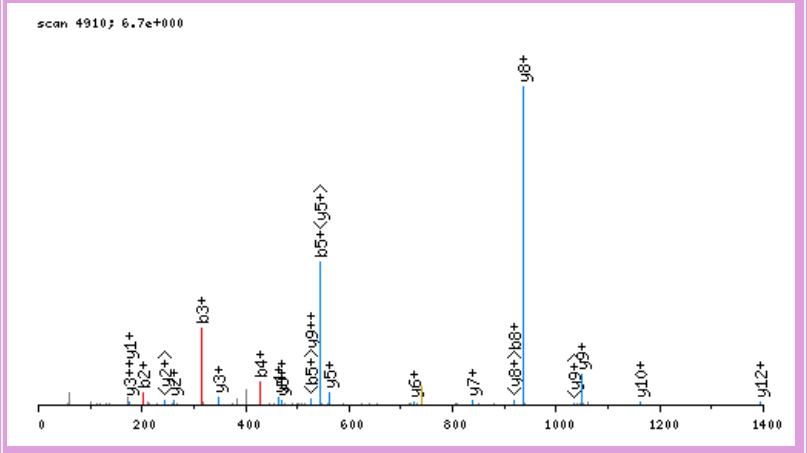
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	18		
163.1295	2	A	17	1893.1235	947.0657
326.1928	3	Y	16	1822.0864	911.5471
441.2197	4	D	15	1659.0230	**830.0154**
512.2569	5	A	14	1543.9961	**772.5020**
640.3154	6	Q	13	1472.9590	**736.9834**
697.3369	7	G	12	1344.9004	**672.9541**
798.3846	8	T	11	1287.8789	**644.4434**
911.4686	9	L	10	1186.8313	**593.9195**
998.5007	10	S	9	1073.7472	**537.3775**
1160.6588	11	K	8	986.7152	493.8615
1273.7428	12	I	7	824.5571	412.7824
1420.8113	13	F	6	**711.4730**	356.2404
1582.9694	14	K	5	564.4046	282.7062
1696.0534	15	L	4	402.2465	201.6272
1753.0749	16	G	3	289.1624	145.0851
1810.0963	17	G	2	232.1410	116.5744
	18	R	1	175.1195	88.0637

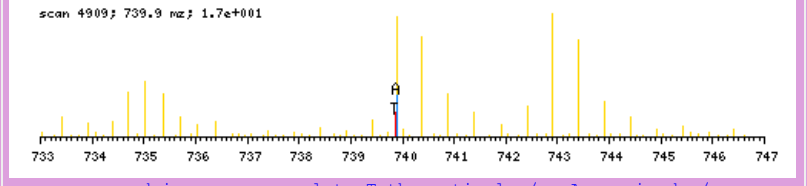
N-term:+35.07 K(11):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDDLDPNYVLSSR, MH+ 1478.7127, m/z 739.8600
L OS G30 P160811 220811-s1.04910.04910.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



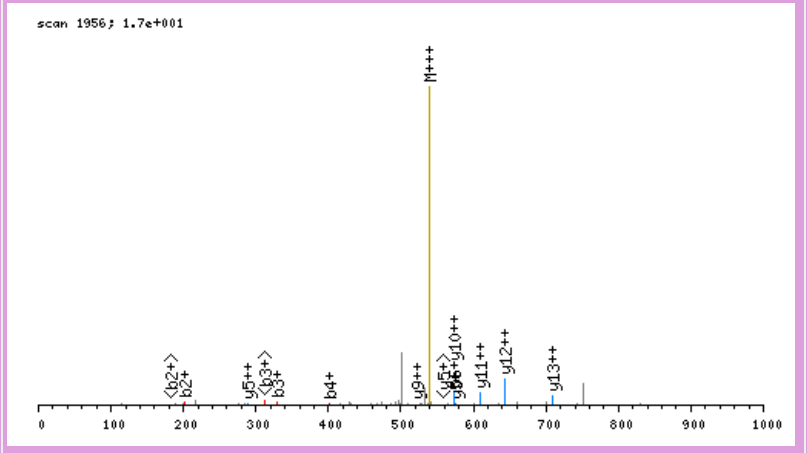
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
201.0875	2	D	12	1393.6599	697.3339
316.1144	3	D	11	1278.6330	639.8204
429.1985	4	L	10	1163.6061	582.3069
544.2255	5	D	9	1050.5220	525.7649
641.2782	6	P	8	935.4951	468.2514
755.3211	7	N	7	838.4423	419.7251
918.3845	8	Y	6	724.3994	362.7036
1017.4529	9	V	5	561.3360	281.1719
1130.5370	10	L	4	462.2676	231.6377
1217.5690	11	S	3	349.1836	175.0957
1304.6010	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

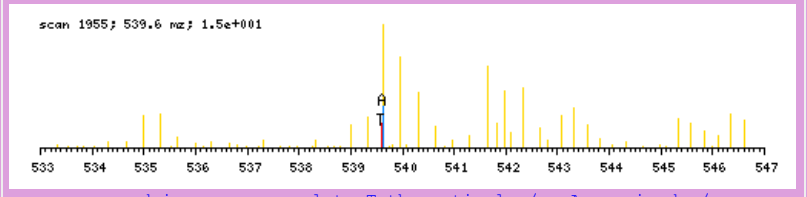
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDEAATLLENLASER, MH+ 1616.8131, m/z 539.6092
L OS G34 P160811 220811-s1.01956.01956.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



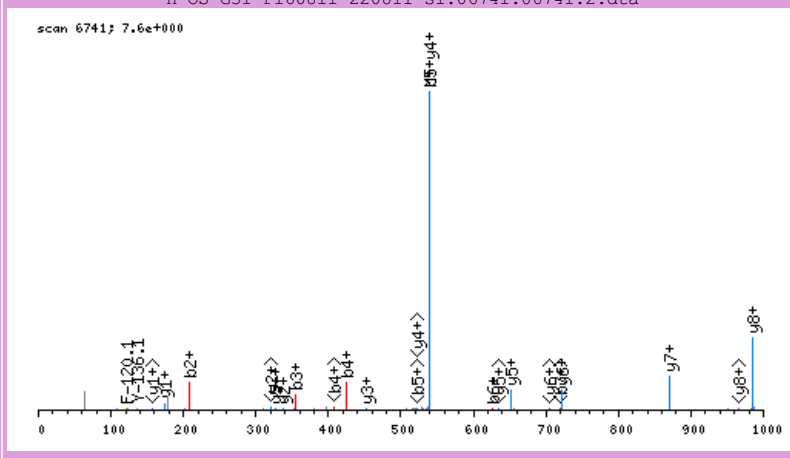
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
201.0875	2	D	14	1531.7604	766.3841
330.1301	3	E	13	1416.7334	708.8706
401.1672	4	A	12	1287.6909	644.3493
472.2043	5	A	11	1216.6537	608.8308
573.2520	6	T	10	1145.6166	573.3122
686.3361	7	L	9	1044.5689	522.7884
799.4201	8	L	8	931.4849	466.2464
928.4627	9	E	7	818.4008	409.7043
1042.5057	10	N	6	689.3582	345.1830
1155.5897	11	L	5	575.3153	288.1616
1226.6268	12	A	4	462.2312	231.6195
1313.6589	13	S	3	391.1941	196.1010
1442.7015	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

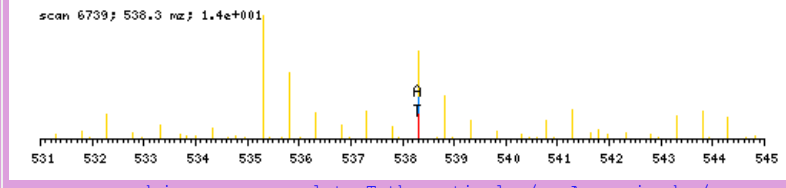
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDFAISLYR, MH+ 1075.6000, m/z 538.3036
H OS G31 P160811 220811-s1.06741.06741.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



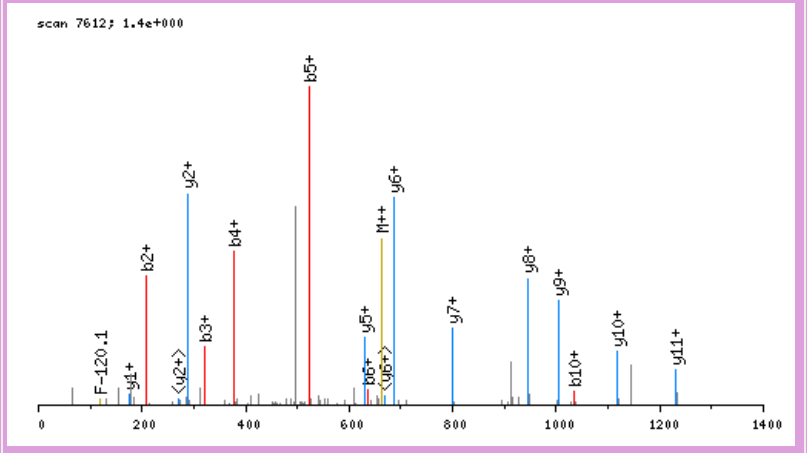
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	9		
207.1193	2	D	8	984.5155	492.7616
354.1877	3	F	7	869.4885	435.2482
425.2248	4	A	6	722.4201	361.7140
538.3089	5	I	5	651.3830	326.1954
625.3409	6	S	4	538.2989	269.6534
738.4250	7	L	3	451.2669	226.1374
901.4883	8	Y	2	338.1828	169.5953
	9	R	1	175.1195	88.0637

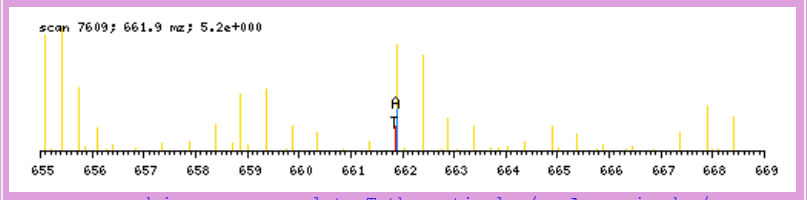
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDLGFLGPEDLR, MH+ 1322.7168, m/z 661.8620
H OS G31 P160811 220811-s1.07612.07612.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



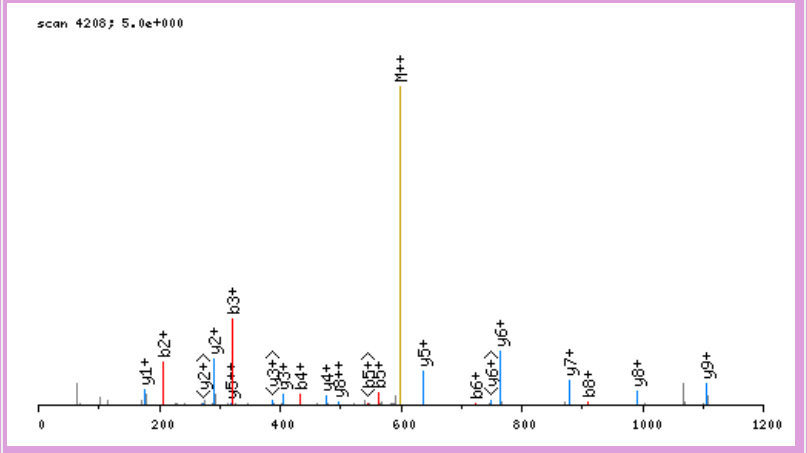
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
207.1193	2	D	11	1231.6323	616.3201
320.2034	3	L	10	1116.6053	558.8066
377.2248	4	G	9	1003.5213	502.2645
524.2932	5	F	8	946.4998	473.7538
637.3773	6	L	7	799.4314	400.2196
694.3988	7	G	6	686.3473	343.6776
791.4515	8	P	5	629.3259	315.1668
920.4941	9	E	4	532.2731	266.6405
1035.5211	10	D	3	403.2305	202.1192
1148.6051	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

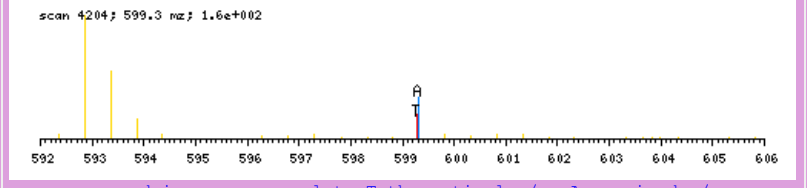
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDLLECADDR, MH+ 1197.5633, m/z 599.2853
H OS G31 P160811 220811-s1.04208.04208.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



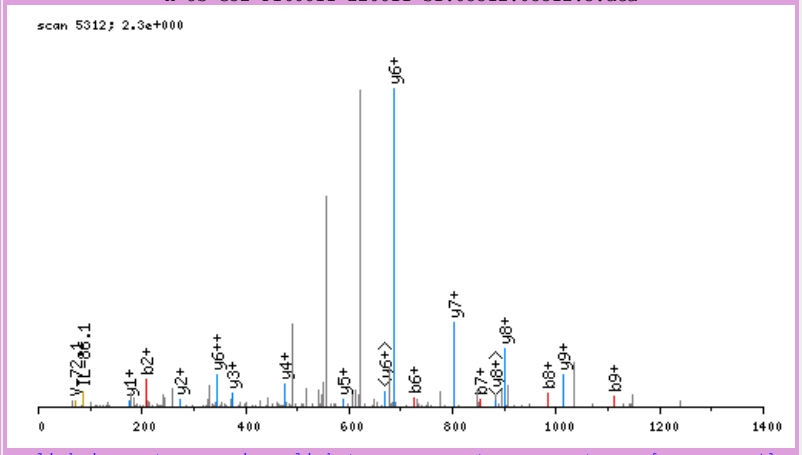
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
207.1193	2	D	9	1106.4788	553.7433
320.2034	3	L	8	991.4518	496.2298
433.2874	4	L	7	878.3678	439.6878
562.3300	5	E	6	765.2837	383.1458
722.3606	6	C	5	636.2411	318.6245
793.3977	7	A	4	476.2105	238.6092
908.4247	8	D	3	405.1734	203.0906
1023.4516	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

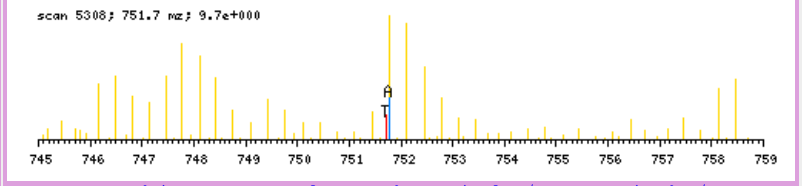
N-term:+35.07 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDPKEEEEEELVDPLTTVR, MH+ 2253.1774, m/z 751.7307
H OS G32 P160811 220811-s1.05312.05312.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



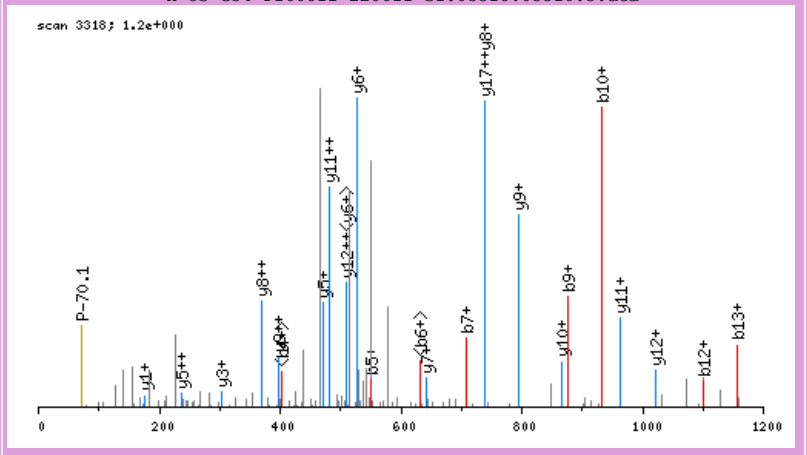
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
207.1193	2	D	18	2162.0929	1081.5504
304.1721	3	P	17	2047.0659	1024.0369
466.3302	4	K	16	1950.0132	975.5105
595.3728	5	E	15	1787.8551	894.4315
724.4154	6	E	14	1658.8125	829.9102
853.4580	7	E	13	1529.7699	765.3889
982.5005	8	E	12	1400.7273	700.8676
1111.5431	9	E	11	1271.6847	636.3463
1240.5857	10	E	10	1142.6421	571.8250
1353.6698	11	L	9	**1013.5995**	507.3037
1452.7382	12	V	8	**900.5155**	450.7616
1567.7652	13	D	7	**801.4470**	401.2274
1664.8179	14	P	6	**686.4201**	**343.7140**
1777.9020	15	L	5	**589.3673**	295.1876
1878.9497	16	T	4	**476.2833**	238.6455
1979.9973	17	T	3	**375.2356**	188.1217
2079.0657	18	V	2	**274.1879**	137.5979
	19	R	1	**175.1195**	88.0637

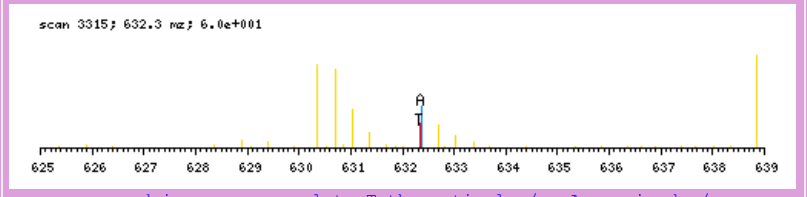
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDRGETGPAGPAGPIGPAGAR, MH+ 1894.9947, m/z 632.3364
H OS G34 P160811 220811-s1.03318.03318.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



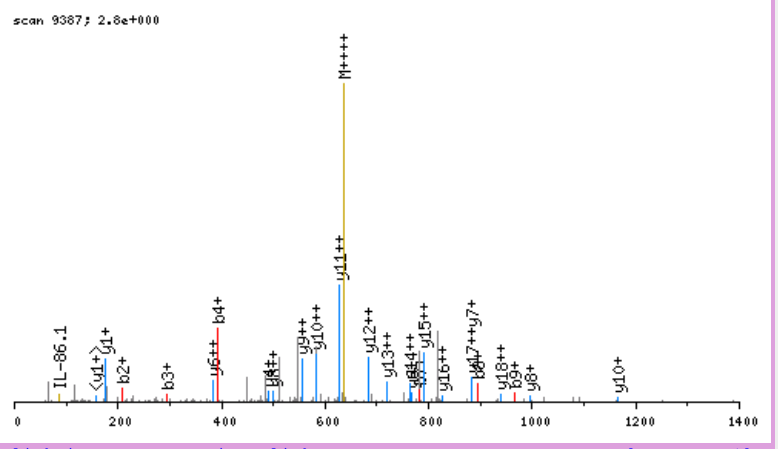
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	21		
207.1193	2	D	20	1803.9102	902.4590
363.2204	3	R	19	1688.8832	844.9455
420.2419	4	G	18	1532.7821	766.8950
549.2845	5	E	17	1475.7607	**738.3842**
650.3322	6	T	16	1346.7181	673.8629
707.3536	7	G	15	1245.6704	623.3391
804.4064	8	P	14	1188.6489	594.8284
875.4435	9	A	13	1091.5962	546.3020
932.4650	10	G	12	**1020.5591**	**510.7834**
1029.5177	11	P	11	**963.5376**	**482.2727**
1100.5548	12	A	10	**866.4848**	433.7463
1157.5763	13	G	9	**795.4477**	**398.2278**
1254.6291	14	P	8	**738.4262**	**369.7170**
1367.7131	15	I	7	**641.3735**	321.1907
1424.7346	16	G	6	**528.2894**	264.6486
1521.7874	17	P	5	**471.2680**	**236.1379**
1592.8245	18	A	4	374.2152	187.6115
1649.8459	19	G	3	**303.1781**	152.0930
1720.8830	20	A	2	246.1566	123.5822
	21	R	1	**175.1195**	88.0637

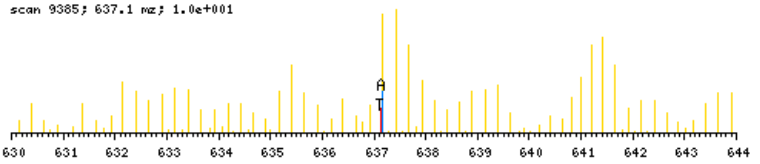
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDSPKIDLAGSALSGILDKDLSDR, MH+ 2545.4574, m/z 637.1198
H OS G34 P160811 220811-s1.09387.09387.4.dta



click image to zoom in; click top corners to zoom out [precursor]



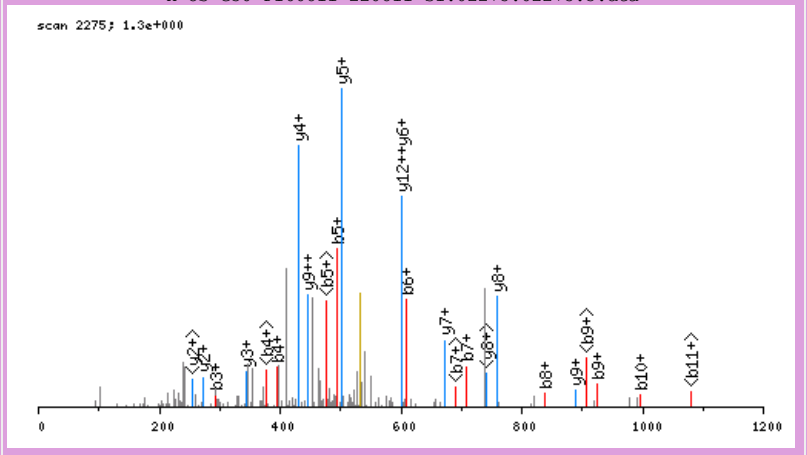
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	24		
207.1193	2	D	23	2454.3728	1227.6903
294.1513	3	S	22	2339.3459	1170.1769
391.2041	4	P	21	2252.3139	1126.6608
553.3622	5	K	20	2155.2611	1078.1345
666.4463	6	I	19	1993.1030	997.0554
781.4732	7	D	18	1880.0189	**940.5134**
894.5573	8	L	17	1764.9920	**882.9999**
965.5944	9	A	16	1651.9079	**826.4579**
1022.6158	10	G	15	1580.8708	**790.9393**
1109.6479	11	S	14	1523.8493	**762.4286**
1180.6850	12	A	13	1436.8173	**718.9126**
1293.7691	13	L	12	1365.7802	**683.3940**
1380.8011	14	S	11	1252.6961	**626.8520**
1437.8225	15	G	10	**1165.6641**	**583.3360**
1550.9066	16	I	9	1108.6427	**554.8252**
1663.9907	17	L	8	**995.5586**	**498.2832**
1779.0176	18	D	7	**882.4745**	441.7412
1941.1757	19	K	6	**767.4476**	**384.2277**
2056.2027	20	D	5	605.2895	303.1487
2169.2867	21	L	4	**490.2625**	245.6352
2256.3188	22	S	3	377.1785	189.0931
2371.3457	23	D	2	290.1464	145.5771
	24	R	1	**175.1195**	88.0637

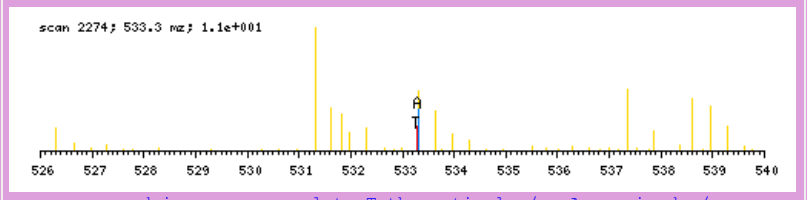
N-term:+35.07 K(5):+162.16
K(19):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDSTVNTESATASAPR, MH+ 1597.7881, m/z 533.2676
H OS G30 P160811 220811-s1.02275.02275.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



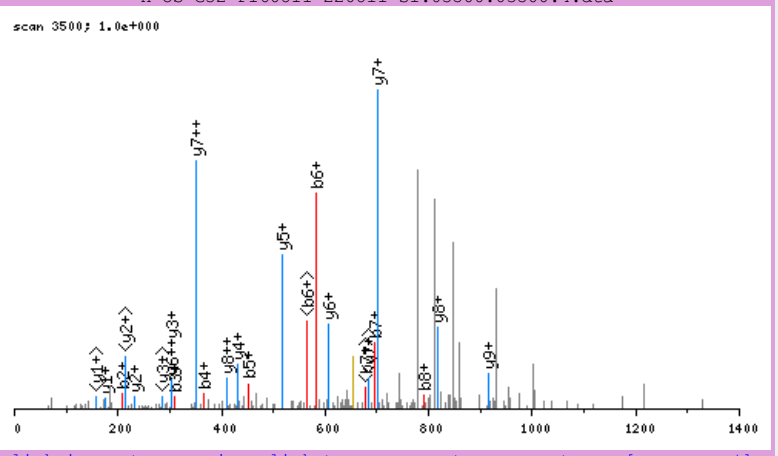
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
207.1193	2	D	15	1506.7036	753.8557
294.1513	3	S	14	1391.6767	696.3422
395.1990	4	T	13	1304.6446	652.8262
494.2674	5	V	12	1203.5970	**602.3024**
608.3104	6	N	11	1104.5285	552.7682
709.3580	7	T	10	990.4856	495.7467
838.4006	8	E	9	**889.4379**	**445.2229**
925.4327	9	S	8	**760.3953**	380.7016
996.4698	10	A	7	**673.3633**	337.1856
1097.5174	11	T	6	**602.3262**	301.6670
1168.5546	12	A	5	**501.2785**	251.1432
1255.5866	13	S	4	**430.2414**	215.6246
1326.6237	14	A	3	**343.2094**	172.1086
1423.6765	15	P	2	**272.1723**	136.5900
	16	R	1	175.1195	88.0637

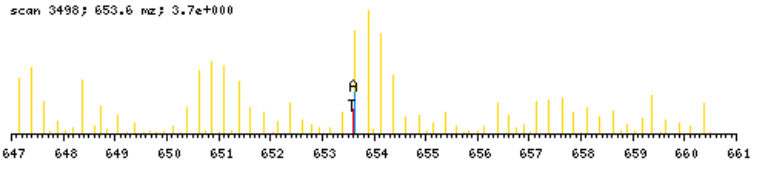
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDTGSEIPLKEQDDAAVDPSSQAGR, MH+ 2611.3124, m/z 653.5835
H OS G32 P160811 220811-s1.03500.03500.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



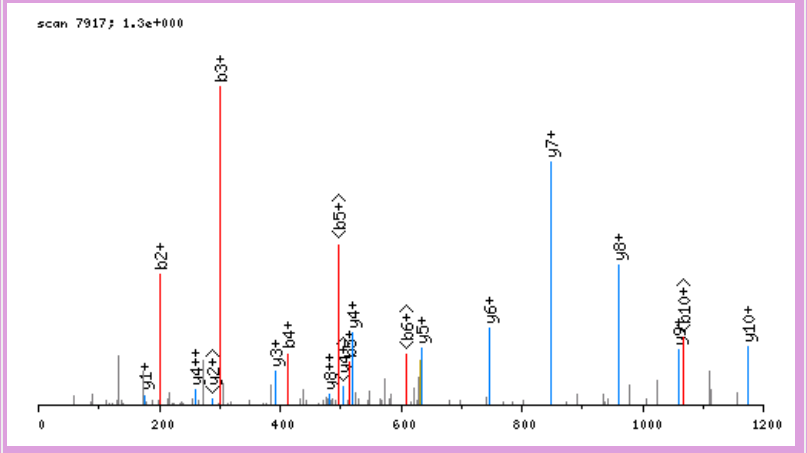
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	25		
207.1193	2	D	24	2520.2278	1260.6178
308.1670	3	T	23	2405.2009	1203.1043
365.1884	4	G	22	2304.1532	1152.5805
452.2205	5	S	21	2247.1317	1124.0698
581.2631	6	E	20	2160.0997	1080.5538
694.3471	7	I	19	2031.0571	1016.0325
791.3999	8	P	18	1917.9730	959.4904
904.4840	9	L	17	1820.9203	910.9641
1066.6421	10	K	16	1707.8362	854.4220
1195.6847	11	E	15	1545.6781	773.3430
1323.7432	12	Q	14	1416.6355	708.8217
1438.7702	13	D	13	1288.5769	644.7924
1553.7971	14	D	12	1173.5500	587.2789
1624.8342	15	A	11	1058.5231	529.7654
1695.8713	16	A	10	987.4859	494.2469
1794.9398	17	V	9	**916.4488**	458.7283
1909.9667	18	D	8	**817.3804**	**409.1941**
2007.0195	19	P	7	**702.3535**	**351.6807**
2094.0515	20	S	6	**605.3007**	**303.1543**
2181.0835	21	S	5	**518.2687**	259.6383
2309.1421	22	Q	4	**431.2367**	216.1222
2380.1792	23	A	3	**303.1781**	152.0930
2437.2007	24	G	2	**232.1410**	116.5744
	25	R	1	**175.1195**	88.0637

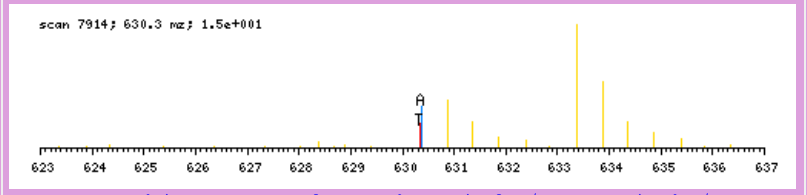
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDVLTLLESER, MH+ 1259.6847, m/z 630.3460
L OS G31 P160811 220811-s1.07917.07917.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



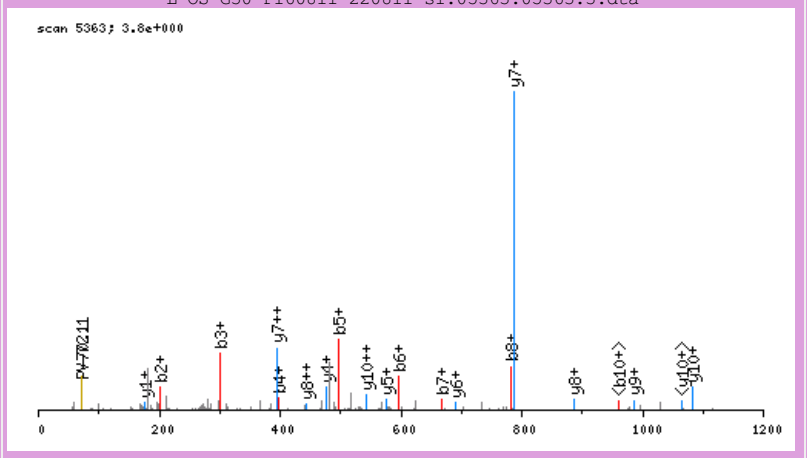
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
201.0875	2	D	10	1174.6319	587.8199
300.1559	3	V	9	1059.6050	530.3064
413.2400	4	L	8	960.5366	480.7722
514.2877	5	T	7	847.4525	424.2302
627.3717	6	L	6	746.4048	373.7063
740.4558	7	L	5	633.3208	317.1643
869.4984	8	E	4	520.2367	260.6223
956.5304	9	S	3	391.1941	196.1010
1085.5730	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

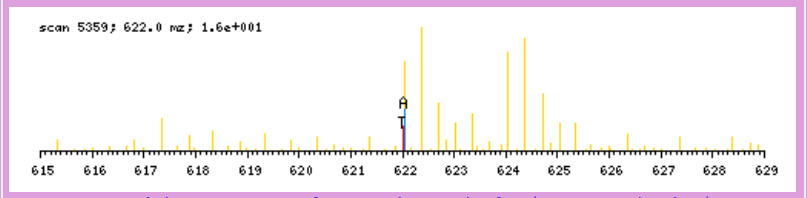
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDVPVVADPTVPNVTVTR, MH+ 1864.0180, m/z 622.0108
L OS G30 P160811 220811-s1.05363.05363.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



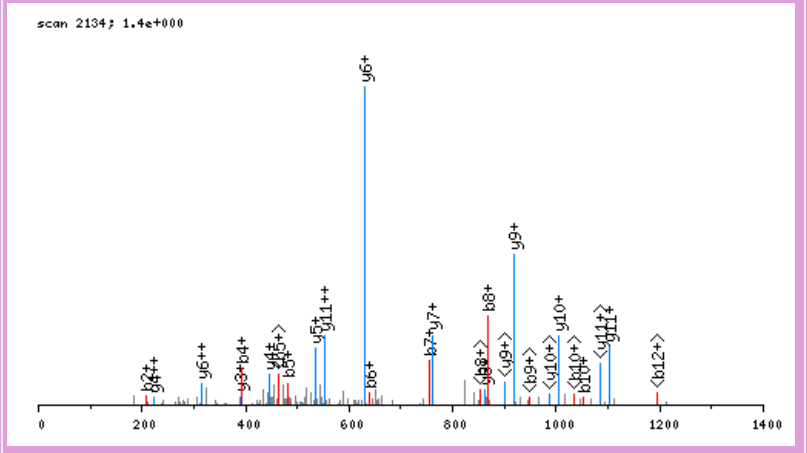
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1778.9652	889.9865
300.1559	3	V	16	1663.9383	832.4731
397.2087	4	P	15	1564.8699	782.9389
496.2771	5	V	14	1467.8171	734.4125
595.3455	6	V	13	1368.7487	684.8783
666.3826	7	A	12	1269.6803	635.3441
781.4096	8	D	11	1198.6432	599.8255
878.4623	9	P	10	**1083.6162**	**542.3120**
979.5100	10	T	9	**986.5635**	493.7856
1078.5784	11	V	8	**885.5158**	**443.2618**
1175.6312	12	P	7	**786.4474**	**393.7276**
1289.6741	13	N	6	**689.3946**	345.2012
1388.7425	14	V	5	**575.3517**	288.1798
1489.7902	15	T	4	**476.2833**	238.6455
1588.8586	16	V	3	375.2356	188.1217
1689.9063	17	T	2	276.1672	138.5875
	18	R	1	**175.1195**	88.0637

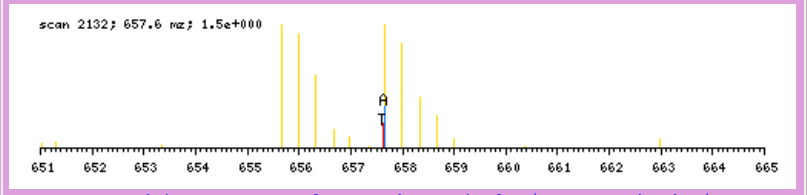
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GDVSSCDNPSGTEPSGTNR, MH+ 1970.8573, m/z 657.6240
H OS G30 P160811 220811-s1.02134.02134.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



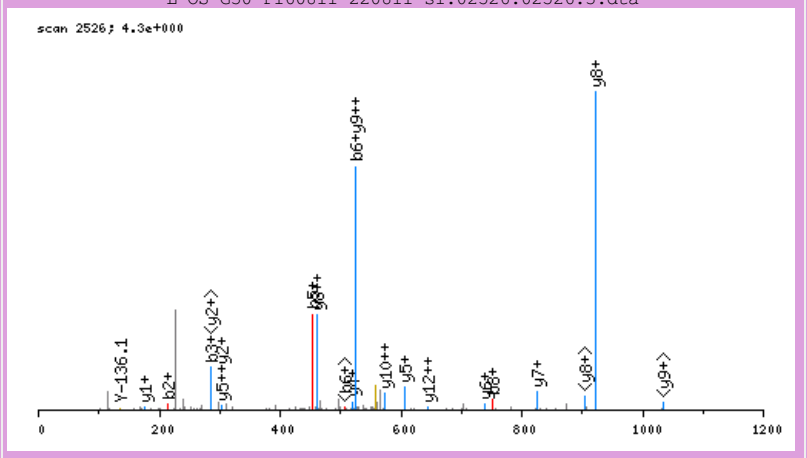
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
207.1193	2	D	18	1879.7728	940.3903
306.1877	3	V	17	1764.7458	882.8768
393.2197	4	S	16	1665.6774	833.3426
480.2518	5	S	15	1578.6454	789.8266
640.2824	6	C	14	1491.6134	746.3106
755.3093	7	D	13	1331.5828	666.2953
869.3522	8	N	12	1216.5558	608.7818
966.4050	9	P	11	1102.5129	551.7604
1053.4370	10	S	10	1005.4601	503.2340
1110.4585	11	G	9	918.4281	459.7180
1211.5062	12	T	8	861.4066	431.2072
1340.5488	13	E	7	760.3590	380.6834
1437.6015	14	P	6	631.3164	316.1621
1524.6336	15	S	5	534.2636	267.6357
1581.6550	16	G	4	447.2316	224.1197
1682.7027	17	T	3	390.2101	195.6090
1796.7456	18	N	2	289.1624	145.0851
	19	R	1	175.1195	88.0637

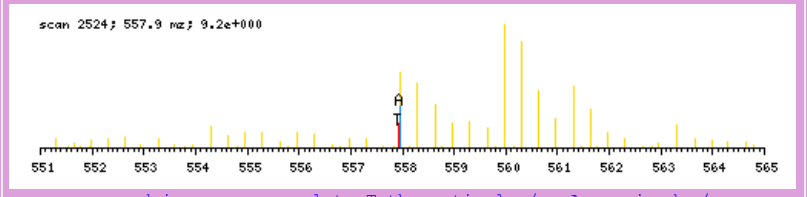
N-term:+35.07 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEAPAAPQPSMSSEER, MH+ 1671.7648, m/z 557.9265
L OS G30 P160811 220811-s1.02526.02526.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



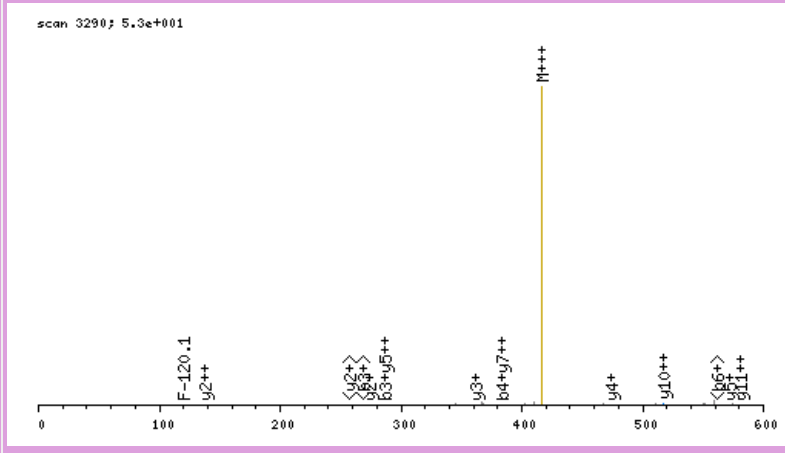
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
215.1032	2	E	15	1586.7121	793.8599
286.1403	3	A	14	1457.6695	729.3386
383.1930	4	P	13	1386.6324	693.8201
454.2301	5	A	12	1289.5796	**645.2937**
525.2673	6	A	11	1218.5425	609.7752
622.3200	7	P	10	1147.5054	**574.2566**
750.3786	8	Q	9	1050.4526	**525.7302**
847.4314	9	P	8	**922.3940**	**461.7009**
934.4634	10	S	7	**825.3413**	413.1745
1065.5039	11	M	6	**738.3092**	369.6585
1152.5359	12	S	5	**607.2687**	**304.1383**
1239.5679	13	S	4	**520.2367**	260.6223
1368.6105	14	E	3	433.2047	217.1063
1497.6531	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

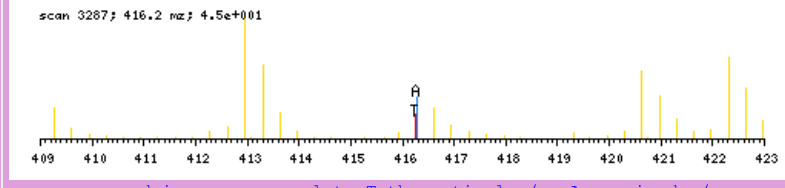
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEAPVPPPLSVR, MH+ 1246.7159, m/z 416.2435
L OS G33 P160811 220811-s1.03290.03290.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

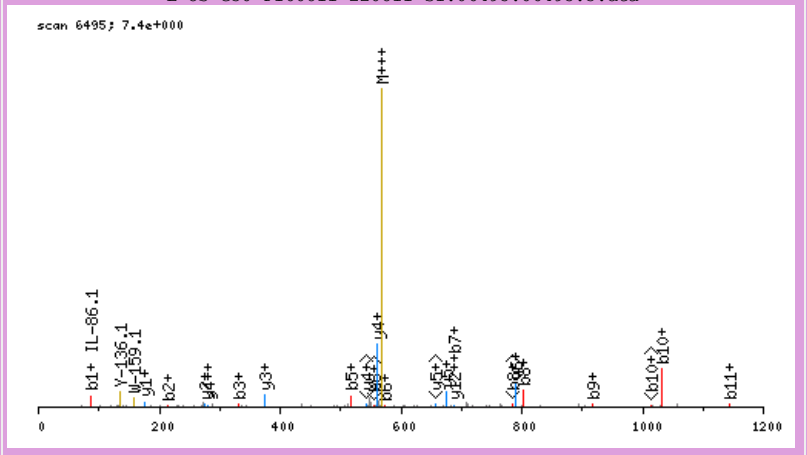


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

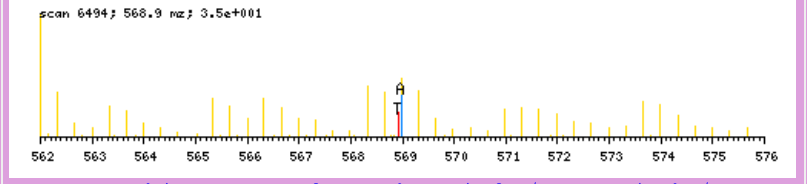
b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
215.1032	2	E	11	1161.6632	**581.3355**
286.1403	3	A	10	1032.6206	**516.8142**
383.1930	4	P	9	961.5835	481.2957
482.2614	5	V	8	864.5307	432.7693
579.3142	6	P	7	765.4623	**383.2351**
676.3670	7	P	6	668.4095	334.7087
773.4197	8	P	5	**571.3568**	**286.1823**
886.5038	9	L	4	**474.3040**	237.6559
973.5358	10	S	3	**361.2199**	181.1139
1072.6042	11	V	2	**274.1879**	**137.5979**
	12	R	1	175.1195	88.0637

N-term:+29.04

GEDGEGDDLDLWTVR, MH+ 1704.7717, m/z 568.9287
L OS G30 P160811 220811-s1.06495.06495.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

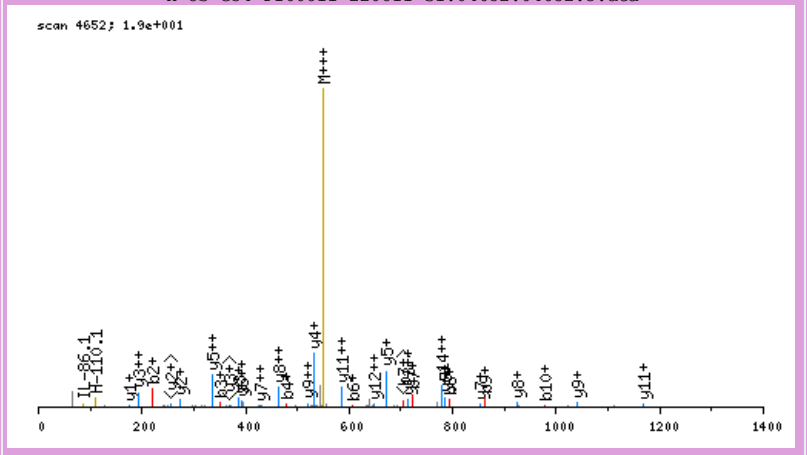
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
215.1032	2	E	14	1619.7189	810.3634
330.1301	3	D	13	1490.6763	745.8421
387.1516	4	G	12	1375.6494	688.3286
516.1942	5	E	11	1318.6279	659.8179
573.2156	6	G	10	1189.5853	595.2966
688.2426	7	D	9	1132.5639	566.7858
803.2695	8	D	8	1017.5369	509.2724
916.3536	9	L	7	902.5100	451.7589
1031.3805	10	D	6	789.4259	395.2169
1144.4646	11	L	5	674.3990	337.7034
1330.5439	12	W	4	561.3149	281.1614
1431.5916	13	T	3	375.2356	188.1217
1530.6600	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

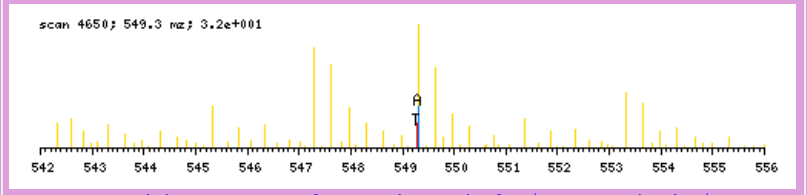
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEEQGADAALHFNPR, MH+ 1645.8146, m/z 549.2764
H OS G34 P160811 220811-s1.04652.04652.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



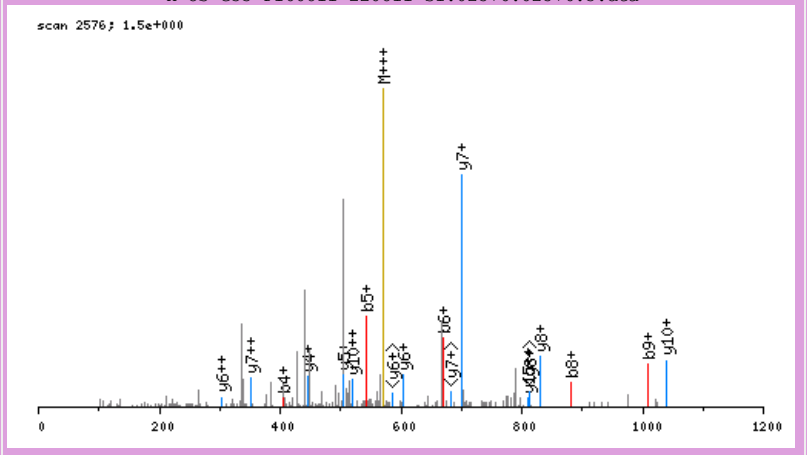
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
221.1350	2	E	14	1554.7301	777.8690
350.1776	3	E	13	1425.6875	713.3477
478.2361	4	Q	12	1296.6449	648.8264
535.2576	5	G	11	1168.5863	584.7971
606.2947	6	A	10	1111.5649	556.2863
721.3216	7	D	9	1040.5278	520.7678
792.3588	8	A	8	925.5008	463.2543
863.3959	9	A	7	854.4637	427.7358
976.4799	10	L	6	783.4266	392.2172
1113.5389	11	H	5	670.3425	335.6752
1260.6073	12	F	4	533.2836	267.1457
1374.6502	13	N	3	386.2152	193.6115
1471.7030	14	P	2	272.1723	136.5900
	15	R	1	175.1195	88.0637

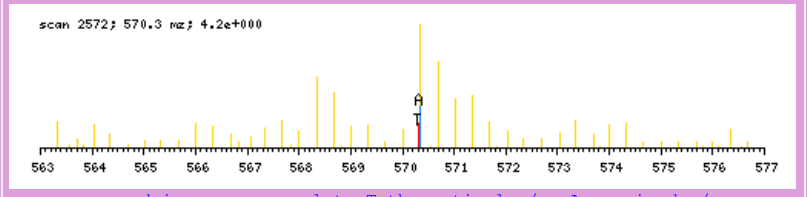
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEIAHQPLQPTGPSSR, MH+ 1708.9194, m/z 570.3113
H OS G33 P160811 220811-s1.02576.02576.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



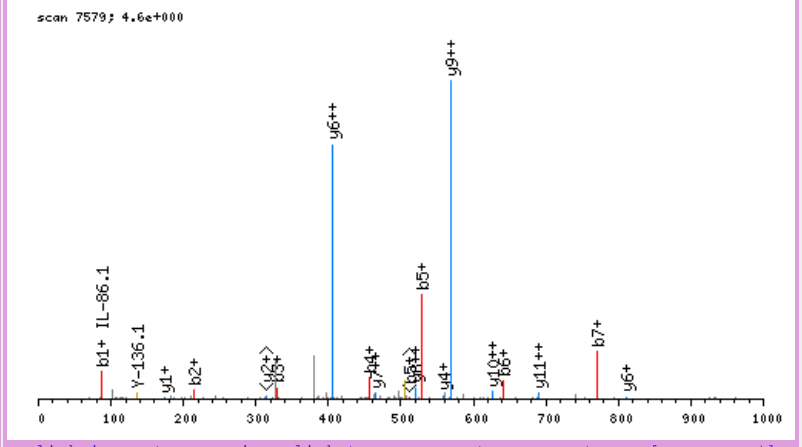
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
221.1350	2	E	15	1617.8349	**809.4214**
334.2190	3	I	14	1488.7923	744.9001
405.2561	4	A	13	1375.7082	688.3580
542.3150	5	H	12	1304.6711	652.8395
670.3736	6	Q	11	1167.6122	584.3100
767.4264	7	P	10	**1039.5536**	**520.2807**
880.5105	8	L	9	942.5009	471.7543
1008.5690	9	Q	8	**829.4168**	415.2123
1105.6218	10	P	7	**701.3582**	**351.1830**
1206.6695	11	T	6	**604.3055**	**302.6566**
1263.6909	12	G	5	**503.2578**	252.1328
1360.7437	13	P	4	**446.2363**	223.6221
1447.7757	14	S	3	349.1836	175.0957
1534.8078	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

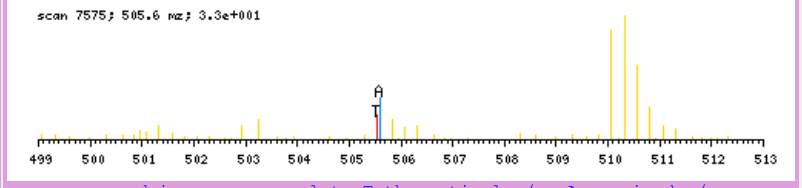
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEIEAIELPIDPKLNKR, MH+ 2019.1855, m/z 505.5518
L OS G34 P160811 220811-s1.07579.07579.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



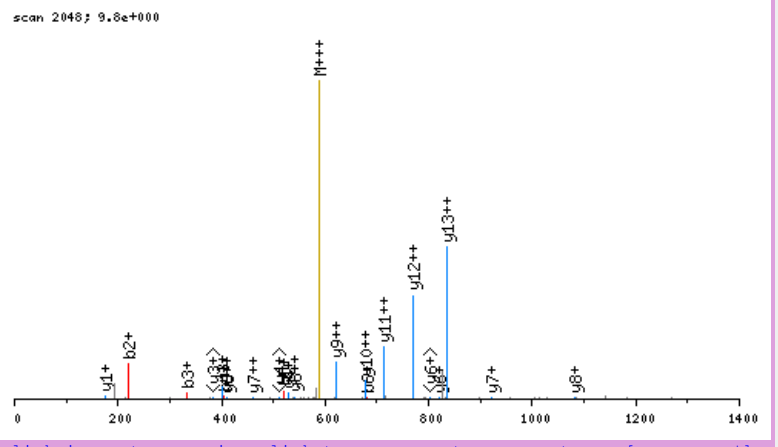
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**17**		
215.1032	**2**	**E**	**16**	1934.1327	967.5703
328.1872	**3**	**I**	**15**	1805.0901	903.0490
457.2298	**4**	**E**	**14**	1692.0061	846.5069
528.2669	**5**	**A**	**13**	1562.9635	781.9856
641.3510	**6**	**I**	**12**	1491.9263	746.4671
770.3936	**7**	**E**	**11**	1378.8423	**689.9251**
883.4776	**8**	**L**	**10**	1249.7997	**625.4038**
980.5304	**9**	**P**	**9**	1136.7156	**568.8617**
1093.6145	**10**	**I**	**8**	1039.6629	**520.3353**
1208.6414	**11**	**D**	**7**	926.5788	**463.7933**
1305.6942	**12**	**P**	**6**	**811.5519**	**406.2798**
1461.8205	**13**	**K**	**5**	714.4991	357.7535
1574.9045	**14**	**L**	**4**	**558.3728**	279.6903
1688.9475	**15**	**N**	**3**	445.2887	223.1483
1845.0738	**16**	**K**	**2**	331.2458	166.1268
	17	**R**	**1**	**175.1195**	88.0637

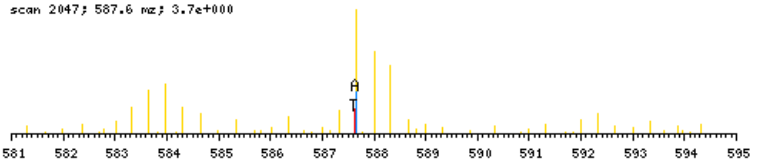
N-term:+29.04 K(13):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GELADCCTKQEPER, MH+ 1760.8583, m/z 587.6243
H OS G33 P160811 220811-s1.02048.02048.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



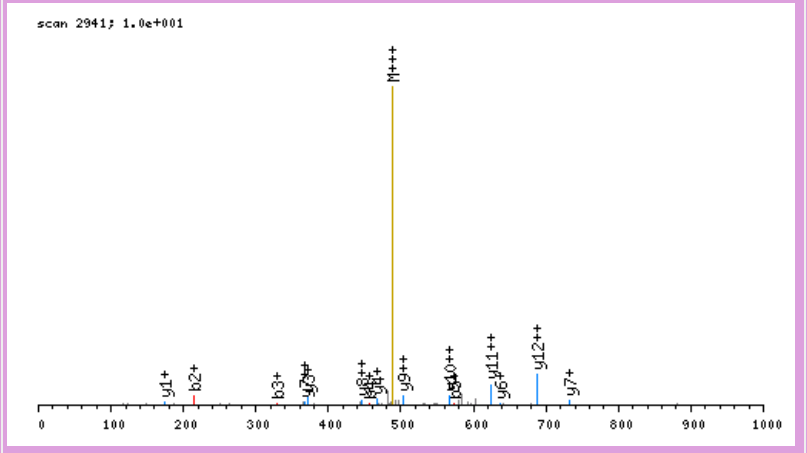
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
221.1350	2	E	13	1669.7737	835.3908
334.2190	3	L	12	1540.7311	770.8695
405.2561	4	A	11	1427.6471	714.3274
520.2831	5	D	10	1356.6100	678.8089
680.3137	6	C	9	1241.5830	621.2954
840.3443	7	C	8	1081.5524	541.2801
941.3920	8	T	7	921.5218	461.2648
1103.5501	9	K	6	820.4741	410.7410
1231.6086	10	Q	5	658.3160	329.6619
1360.6512	11	E	4	530.2575	265.6326
1457.7040	12	P	3	401.2149	201.1113
1586.7466	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

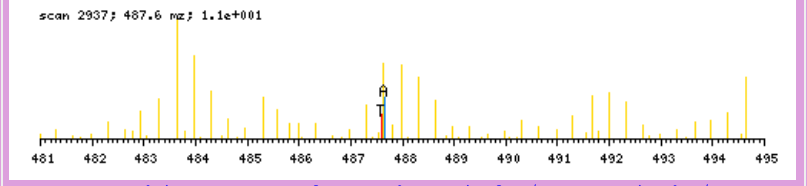
N-term:+35.07 C(6):+160.03
C(7):+160.03 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GELEDKPPAPPVR, MH+ 1460.8113, m/z 487.6086
L OS G33 P160811 220811-s1.02941.02941.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



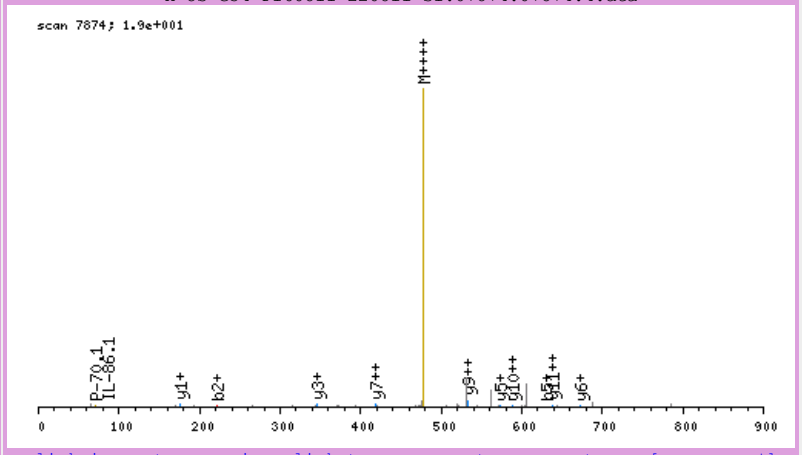
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
215.1032	2	E	12	1375.7586	**688.3832**
328.1872	3	L	11	1246.7160	**623.8619**
457.2298	4	E	10	1133.6319	**567.3199**
572.2568	5	D	9	1004.5893	**502.7986**
728.3831	6	K	8	889.5624	**445.2851**
825.4358	7	P	7	**733.4361**	**367.2220**
922.4886	8	P	6	**636.3833**	318.6956
993.5257	9	A	5	539.3306	270.1692
1090.5785	10	P	4	**468.2934**	234.6506
1187.6312	11	P	3	**371.2407**	186.1243
1286.6996	12	V	2	274.1879	137.5979
	13	R	1	**175.1195**	88.0637

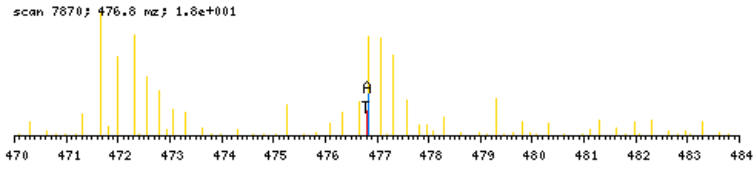
N-term:+29.04 K(6):+156.13

GESKCPLMVKVLDAVR, MH+ 1904.1561, m/z 476.7945
H OS G34 P160811 220811-s1.07874.07874.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



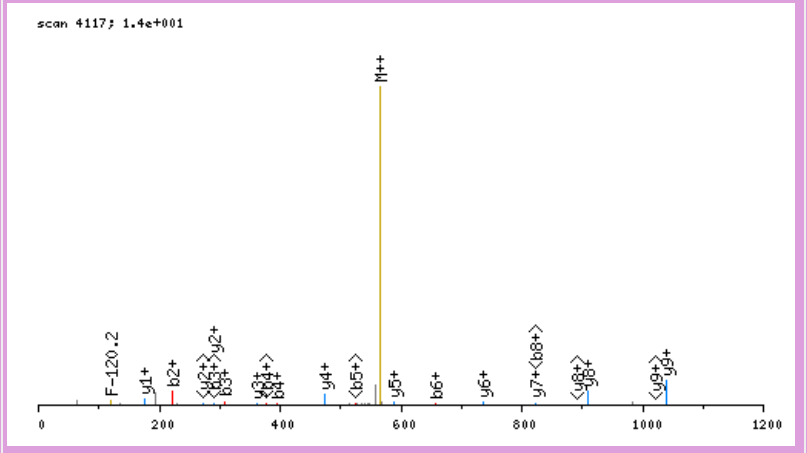
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
221.1350	2	E	15	1813.0716	907.0397
308.1670	3	S	14	1684.0290	842.5184
470.3251	4	K	13	1596.9970	799.0024
630.3557	5	C	12	1434.8389	717.9234
727.4084	6	P	11	1274.8083	**637.9081**
840.4925	7	L	10	1177.7555	**589.3817**
971.5330	8	M	9	1064.6714	**532.8396**
1070.6014	9	V	8	933.6310	467.3194
1232.7595	10	K	7	834.5625	**417.7852**
1331.8279	11	V	6	**672.4044**	336.7061
1444.9120	12	L	5	**573.3360**	287.1719
1559.9389	13	D	4	460.2520	230.6299
1630.9760	14	A	3	**345.2250**	173.1164
1730.0445	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

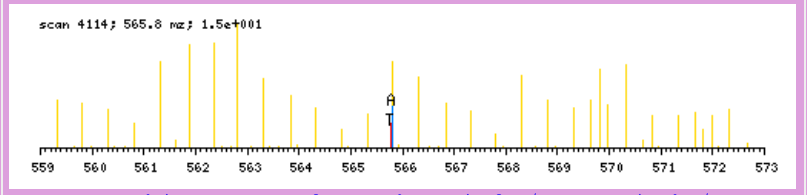
N-term:+35.07 K(4):+162.16
C(5):+160.03 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GESSFDLADR, MH+ 1130.5542, m/z 565.7807
H OS G31 P160811 220811-s1.04117.04117.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



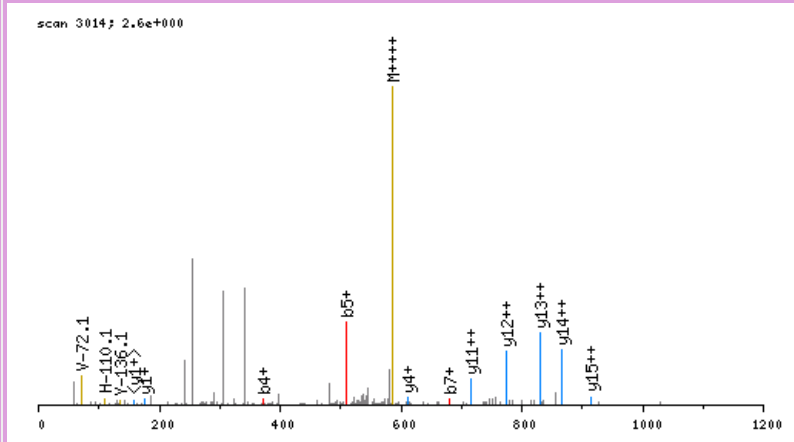
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
221.1350	2	E	9	1039.4696	520.2387
308.1670	3	S	8	910.4270	455.7174
395.1990	4	S	7	823.3950	412.2014
542.2674	5	F	6	736.3630	368.6854
657.2944	6	D	5	589.2946	295.1512
770.3784	7	L	4	474.2676	237.6377
841.4155	8	A	3	361.1836	181.0957
956.4425	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

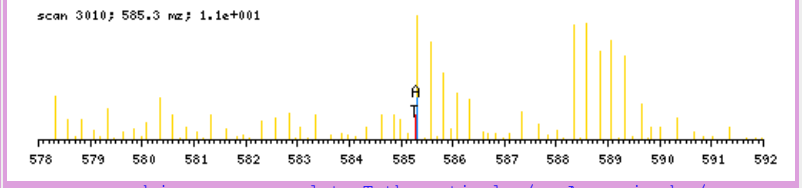
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GETGHVAINCSKTSEVNCYR, MH+ 2338.0919, m/z 585.2784
L OS G34 P160811 220811-s1.03014.03014.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



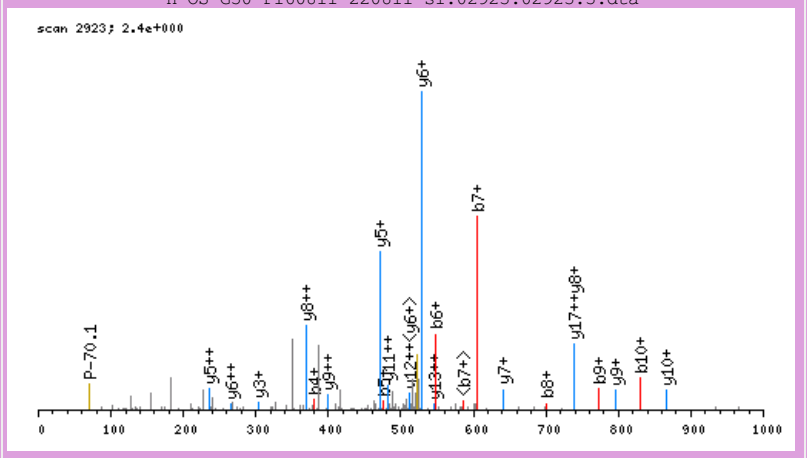
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
215.1032	2	E	19	2253.0392	1127.0235
316.1508	3	T	18	2123.9966	1062.5022
373.1723	4	G	17	2022.9489	1011.9784
510.2312	5	H	16	1965.9274	983.4676
609.2996	6	V	15	1828.8685	**914.9382**
680.3367	7	A	14	1729.8001	**865.4040**
793.4208	8	I	13	1658.7630	**829.8854**
907.4637	9	N	12	1545.6789	**773.3434**
1067.4943	10	C	11	1431.6360	**716.3219**
1154.5264	11	S	10	1271.6054	636.3066
1310.6527	12	K	9	1184.5734	592.7906
1411.7003	13	T	8	1028.4471	514.7274
1498.7324	14	S	7	927.3994	464.2036
1627.7750	15	E	6	840.3674	420.6876
1726.8434	16	V	5	711.3248	356.1663
1840.8863	17	N	4	**612.2564**	306.6321
2000.9169	18	C	3	498.2134	249.6106
2163.9802	19	Y	2	338.1828	169.5953
	20	R	1	**175.1195**	88.0637

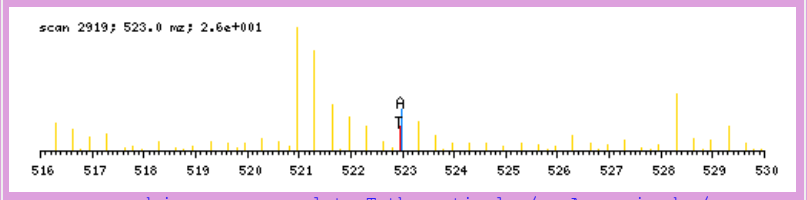
N-term:+29.04 C(10):+160.03
K(12):+156.13 C(18):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GETGPAGPAGPIGPAGAR, MH+ 1566.8452, m/z 522.9533
H OS G30 P160811 220811-s1.02923.02923.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



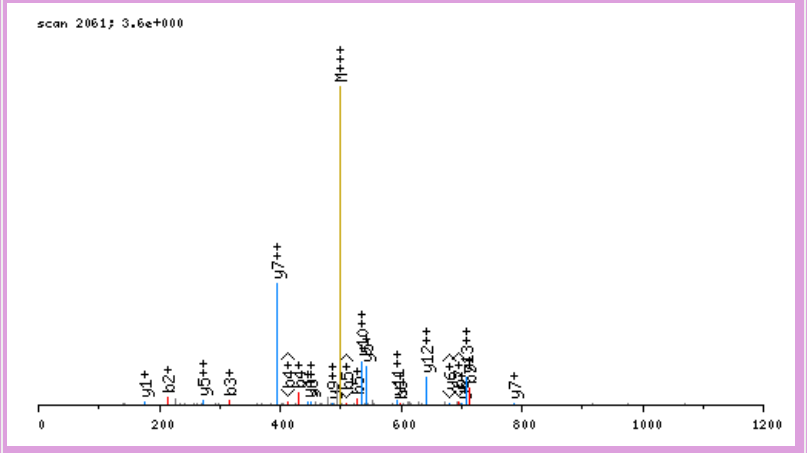
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	18		
221.1350	2	E	17	1475.7607	**738.3842**
322.1826	3	T	16	1346.7181	673.8629
379.2041	4	G	15	1245.6704	623.3391
476.2569	5	P	14	1188.6489	594.8284
547.2940	6	A	13	1091.5962	**546.3020**
604.3154	7	G	12	1020.5591	**510.7834**
701.3682	8	P	11	963.5376	**482.2727**
772.4053	9	A	10	**866.4848**	433.7463
829.4268	10	G	9	**795.4477**	**398.2278**
926.4795	11	P	8	**738.4262**	**369.7170**
1039.5636	12	I	7	**641.3735**	321.1907
1096.5851	13	G	6	**528.2894**	**264.6486**
1193.6378	14	P	5	**471.2680**	**236.1379**
1264.6750	15	A	4	374.2152	187.6115
1321.6964	16	G	3	**303.1781**	152.0930
1392.7335	17	A	2	246.1566	123.5822
	18	R	1	175.1195	88.0637

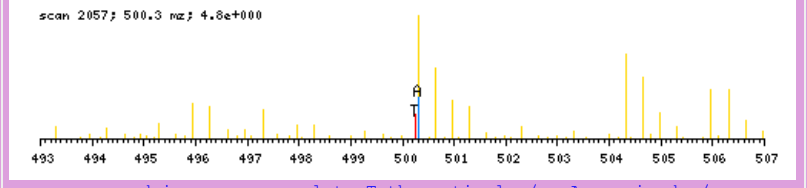
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GETNPADSKPGTIR, MH+ 1498.7866, m/z 500.2670
L OS G33 P160811 220811-s1.02061.02061.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



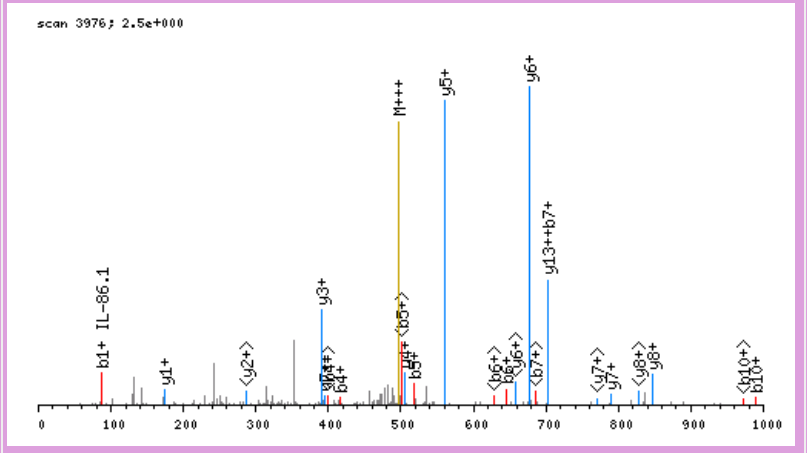
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
215.1032	2	E	13	1413.7338	707.3708
316.1508	3	T	12	1284.6912	642.8495
430.1938	4	N	11	1183.6435	592.3257
527.2465	5	P	10	1069.6006	535.3042
598.2836	6	A	9	972.5479	486.7778
713.3106	7	D	8	901.5107	451.2593
800.3426	8	S	7	786.4838	393.7458
956.4689	9	K	6	699.4518	350.2298
1053.5217	10	P	5	543.3255	272.1666
1110.5431	11	G	4	446.2727	223.6403
1211.5908	12	T	3	389.2512	195.1295
1324.6749	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

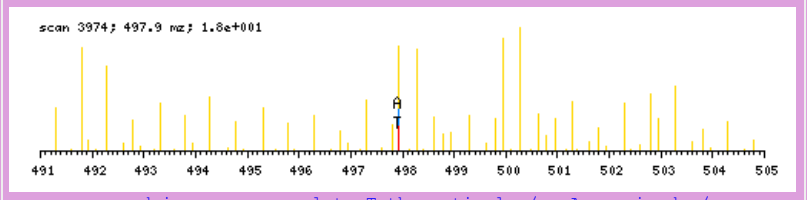
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GETTTQGLDGLSER, MH+ 1491.7291, m/z 497.9145
L OS G31 P160811 220811-s1.03976.03976.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



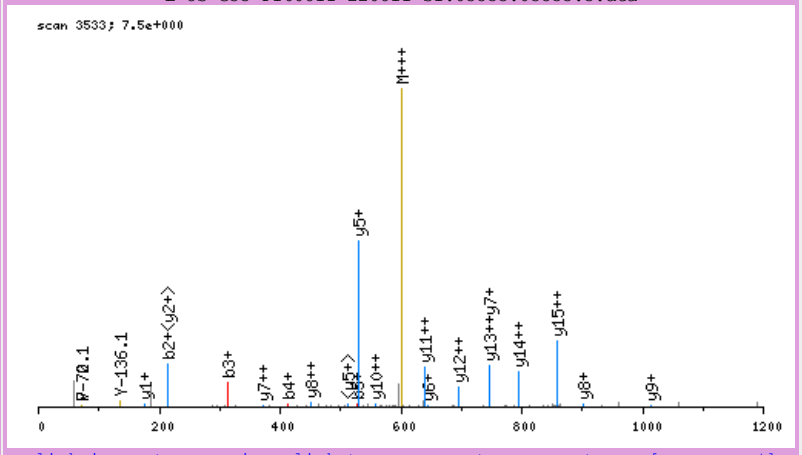
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**14**		
215.1032	**2**	**E**	**13**	1406.6763	**703.8421**
316.1508	**3**	**T**	**12**	1277.6337	639.3208
417.1985	**4**	**T**	**11**	1176.5861	588.7969
518.2462	**5**	**T**	**10**	1075.5384	538.2731
646.3048	**6**	**Q**	**9**	974.4907	487.7493
703.3262	**7**	**G**	**8**	**846.4321**	423.7200
816.4103	**8**	**L**	**7**	**789.4107**	**395.2092**
931.4372	**9**	**D**	**6**	**676.3266**	338.6672
988.4587	**10**	**G**	**5**	**561.2997**	281.1537
1101.5428	**11**	**L**	**4**	**504.2782**	252.6430
1188.5748	**12**	**S**	**3**	**391.1941**	196.1010
1317.6174	**13**	**E**	**2**	304.1621	152.5850
	14	**R**	**1**	**175.1195**	88.0637

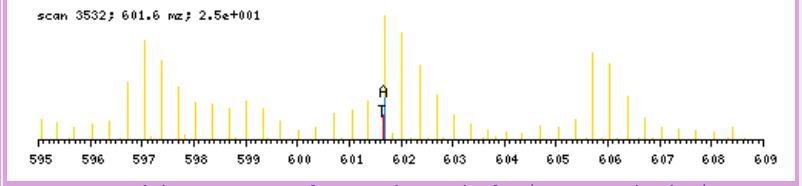
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEVVDCTIKTDPVTGR, MH+ 1802.9322, m/z 601.6489
L OS G33 P160811 220811-s1.03533.03533.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



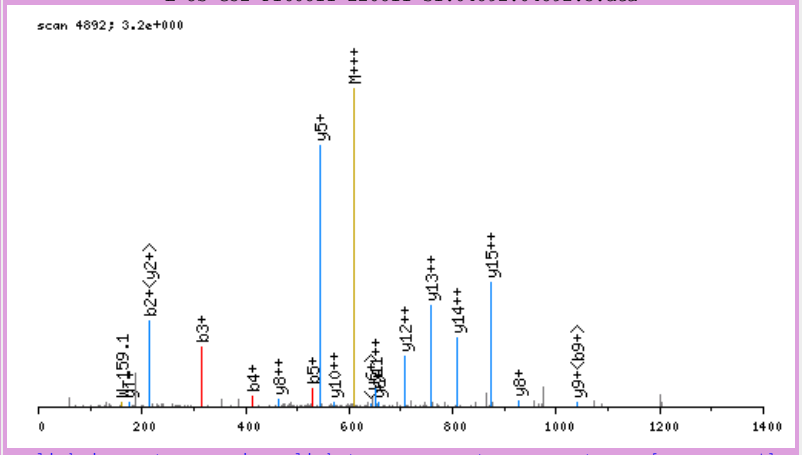
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
215.1032	2	E	15	1717.8794	**859.4436**
314.1716	3	V	14	1588.8369	**794.9223**
413.2400	4	V	13	1489.7684	**745.3881**
528.2669	5	D	12	1390.7000	**695.8539**
688.2975	6	C	11	1275.6731	**638.3405**
789.3452	7	T	10	1115.6425	**558.3252**
902.4293	8	I	9	**1014.5948**	507.8013
1058.5556	9	K	8	**901.5107**	**451.2593**
1159.6032	10	T	7	**745.3844**	**373.1961**
1274.6302	11	D	6	**644.3368**	322.6723
1371.6830	12	P	5	**529.3098**	265.1588
1470.7514	13	V	4	432.2571	216.6324
1571.7990	14	T	3	333.1886	167.0982
1628.8205	15	G	2	232.1410	116.5744
	16	R	1	**175.1195**	88.0637

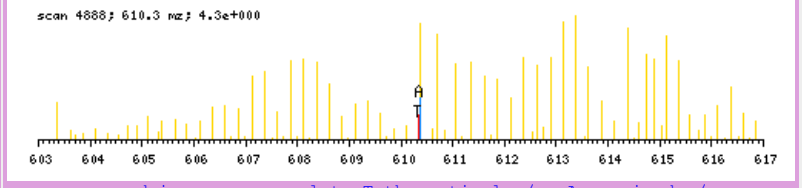
N-term:+29.04 C(6):+160.03
K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEVVDCTLKLDPITGR, MH+ 1828.9842, m/z 610.3329
L OS G32 P160811 220811-s1.04892.04892.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



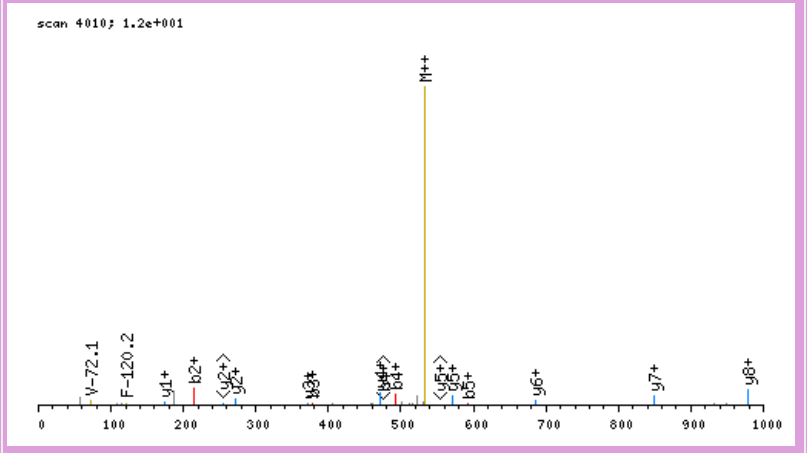
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
215.1032	2	E	15	1743.9315	**872.4697**
314.1716	3	V	14	1614.8889	**807.9484**
413.2400	4	V	13	1515.8205	**758.4142**
528.2669	5	D	12	1416.7521	**708.8799**
688.2975	6	C	11	1301.7251	**651.3665**
789.3452	7	T	10	1141.6945	**571.3512**
902.4293	8	L	9	**1040.6468**	520.8273
1058.5556	9	K	8	**927.5628**	**464.2853**
1171.6396	10	L	7	771.4365	386.2222
1286.6666	11	D	6	**658.3524**	329.6801
1383.7193	12	P	5	**543.3255**	272.1666
1496.8034	13	I	4	446.2727	223.6403
1597.8511	14	T	3	333.1886	167.0982
1654.8725	15	G	2	232.1410	116.5744
	16	R	1	**175.1195**	88.0637

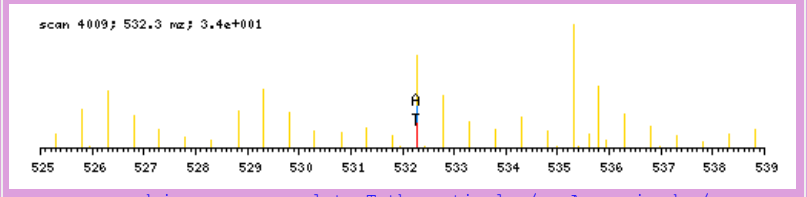
N-term:+29.04 C(6):+160.03
K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEYDVTVPR, MH+ 1063.5424, m/z 532.2748
L OS G31 P160811 220811-s1.04010.04010.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



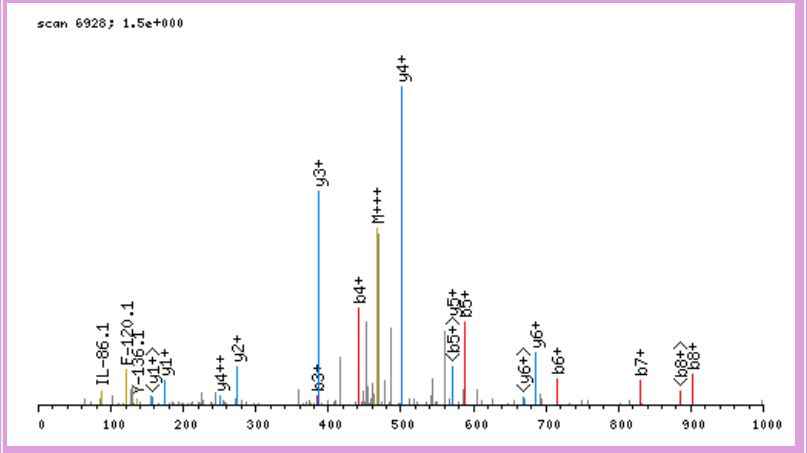
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	9		
215.1032	2	E	8	978.4896	489.7487
378.1665	3	Y	7	849.4470	425.2274
493.1934	4	D	6	686.3837	343.6958
592.2618	5	V	5	571.3568	286.1823
693.3095	6	T	4	472.2884	236.6481
792.3779	7	V	3	371.2407	186.1243
889.4307	8	P	2	272.1723	136.5900
	9	R	1	175.1195	88.0637

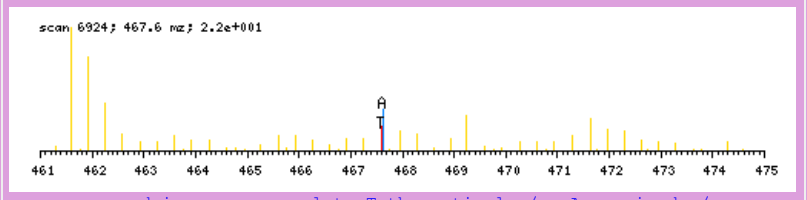
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GEYGFQNAILVR, MH+ 1400.7750, m/z 467.5965
H OS G31 P160811 220811-s1.06928.06928.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



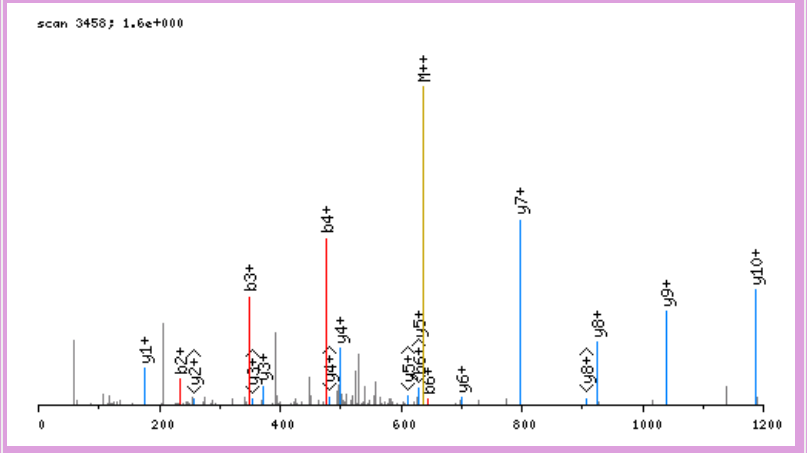
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
221.1350	2	E	11	1309.6905	655.3491
384.1983	3	Y	10	1180.6479	590.8278
441.2197	4	G	9	1017.5845	509.2962
588.2882	5	F	8	960.5631	480.7855
716.3467	6	Q	7	813.4947	407.2512
830.3897	7	N	6	**685.4361**	343.2220
901.4268	8	A	5	**571.3932**	286.2005
1014.5108	9	I	4	**500.3560**	**250.6819**
1127.5949	10	L	3	**387.2720**	194.1399
1226.6633	11	V	2	**274.1879**	137.5979
	12	R	1	**175.1195**	88.0637

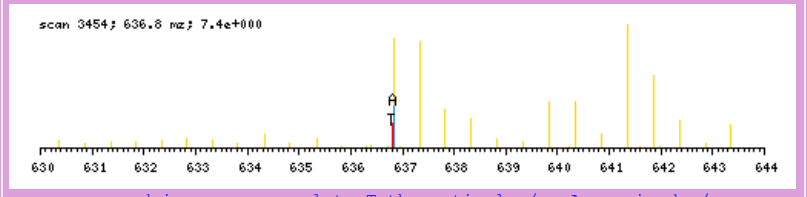
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GFDEPAEQPVR, MH+ 1272.6224, m/z 636.8148
L OS G31 P160811 220811-s1.03458.03458.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



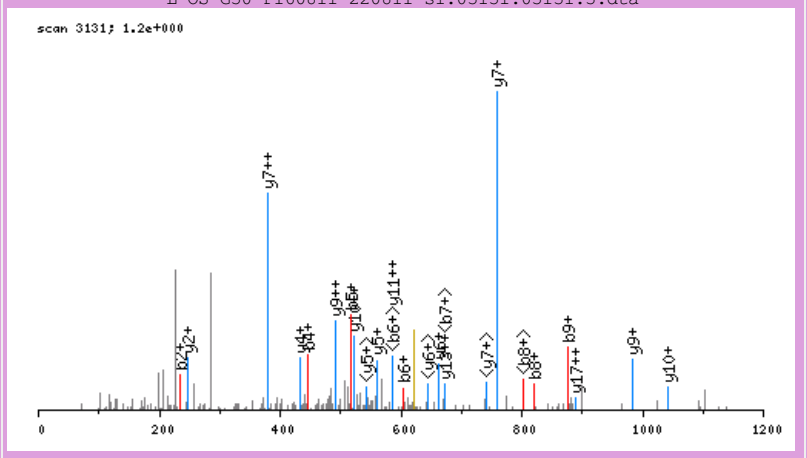
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
233.1290	2	F	10	1187.5697	594.2888
348.1559	3	D	9	1040.5013	520.7545
477.1985	4	E	8	925.4743	463.2411
574.2513	5	P	7	796.4317	398.7198
645.2884	6	A	6	699.3790	350.1934
774.3310	7	E	5	628.3418	314.6748
902.3896	8	Q	4	499.2993	250.1535
999.4423	9	P	3	371.2407	186.1243
1098.5107	10	V	2	274.1879	137.5979
	11	R	1	175.1195	88.0637

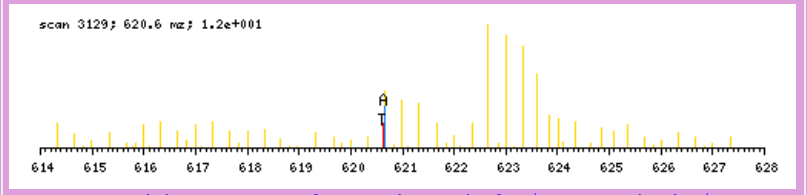
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GFPDASSEGPEPTQGEAR, MH+ 1859.8411, m/z 620.6186
L OS G30 P160811 220811-s1.03131.03131.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



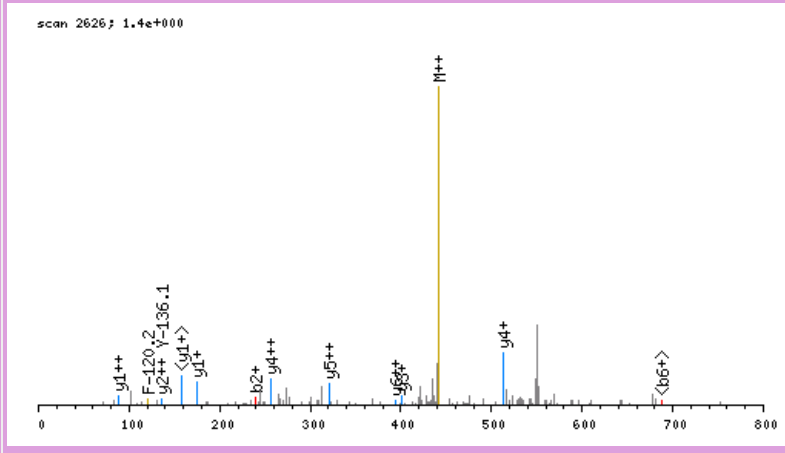
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
233.1290	2	F	17	1774.7884	**887.8981**
330.1817	3	P	16	1627.7200	814.3639
445.2087	4	D	15	1530.6672	765.8375
516.2458	5	A	14	1415.6403	708.3241
603.2778	6	S	13	1344.6032	**672.8055**
690.3099	7	S	12	1257.5711	629.2895
819.3524	8	E	11	1170.5391	**585.7735**
876.3739	9	G	10	**1041.4965**	**521.2522**
973.4267	10	P	9	**984.4750**	**492.7414**
1102.4693	11	E	8	887.4223	444.2151
1199.5220	12	P	7	**758.3797**	**379.6938**
1300.5697	13	T	6	**661.3269**	331.1674
1428.6283	14	Q	5	**560.2792**	280.6435
1485.6498	15	G	4	**432.2207**	216.6142
1614.6923	16	E	3	375.1992	188.1035
1685.7295	17	A	2	**246.1566**	123.5822
	18	R	1	175.1195	88.0637

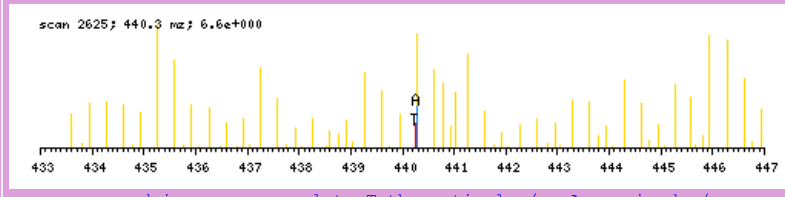
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GFQIQPR, MH+ 879.5264, m/z 440.2669
H OS G34 P160811 220811-s1.02626.02626.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



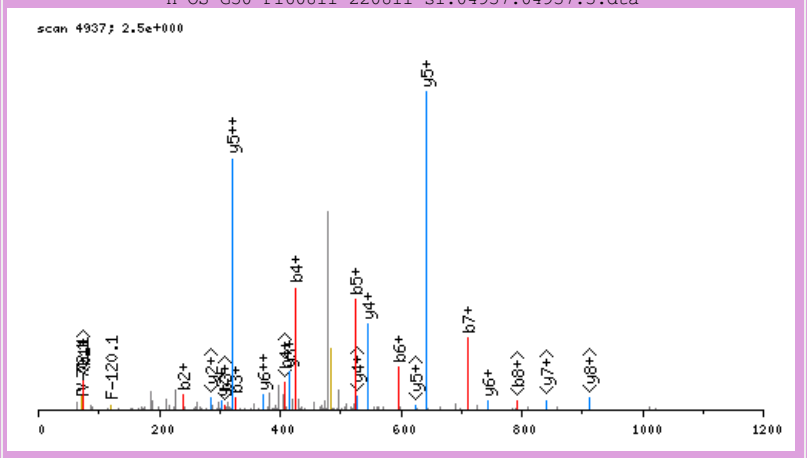
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	7		
239.1608	2	F	6	788.4419	394.7249
367.2194	3	Q	5	641.3735	321.1907
480.3034	4	I	4	513.3149	257.1614
608.3620	5	Q	3	400.2308	200.6193
705.4148	6	P	2	272.1723	136.5900
	7	R	1	175.1195	88.0637

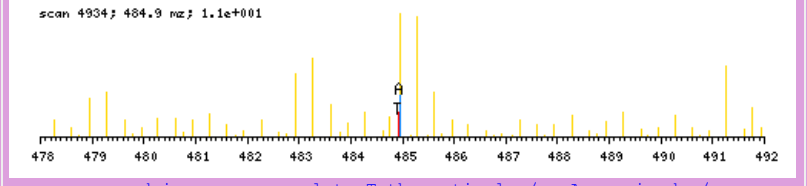
N-term:+35.07

GFSVVADTPELQR, MH+ 1452.7910, m/z 484.9352
H_OS_G30_P160811_220811-s1.04937.04937.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



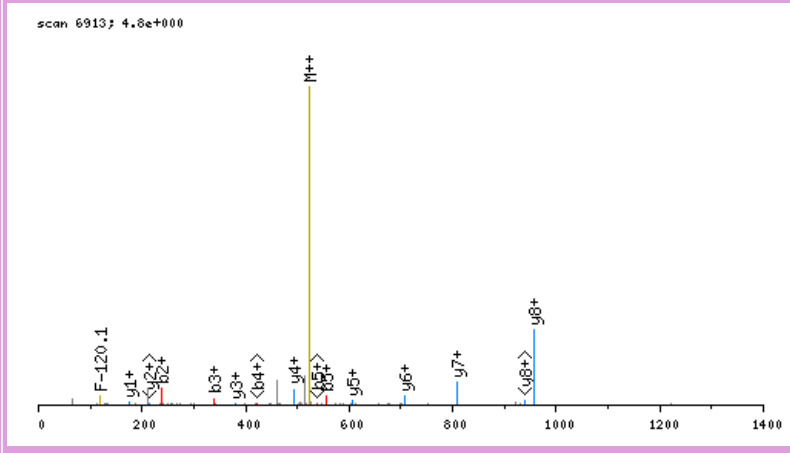
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
239.1608	2	F	12	1361.7065	681.3572
326.1928	3	S	11	1214.6381	607.8230
425.2612	4	V	10	1127.6061	564.3069
524.3296	5	V	9	1028.5376	514.7727
595.3667	6	A	8	929.4692	465.2385
710.3937	7	D	7	858.4321	429.7200
811.4414	8	T	6	**743.4052**	**372.2065**
908.4941	9	P	5	**642.3575**	**321.6827**
1037.5367	10	E	4	**545.3047**	273.1563
1150.6208	11	L	3	**416.2621**	208.6350
1278.6794	12	Q	2	**303.1781**	152.0930
	13	R	1	175.1195	88.0637

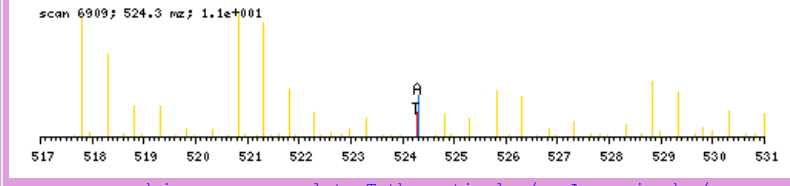
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GFTTDLFGR, MH+ 1047.5687, m/z 524.2880
H OS G31 P160811 220811-s1.06913.06913.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



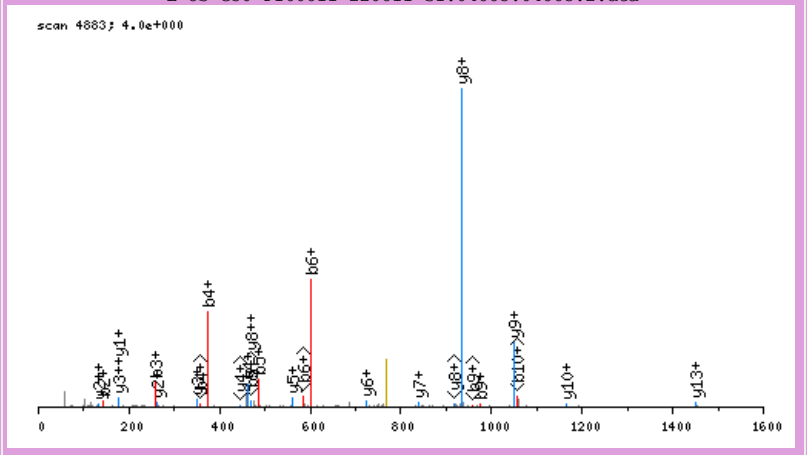
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	9		
239.1608	2	F	8	956.4842	478.7460
340.2085	3	T	7	809.4157	405.2118
441.2561	4	T	6	708.3681	354.6879
556.2831	5	D	5	607.3204	304.1641
669.3671	6	L	4	492.2934	246.6506
816.4356	7	F	3	379.2094	190.1086
873.4570	8	G	2	232.1410	116.5744
	9	R	1	175.1195	88.0637

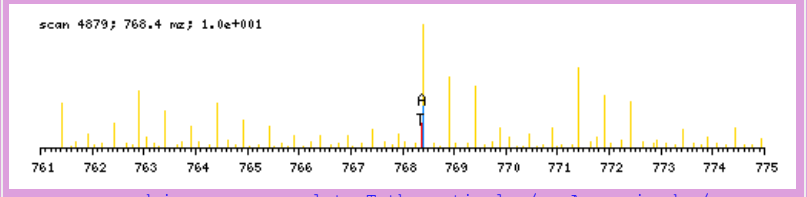
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGDDLDPNYVLSSR, MH+ 1535.7342, m/z 768.3707
L OS G30 P160811 220811-s1.04883.04883.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



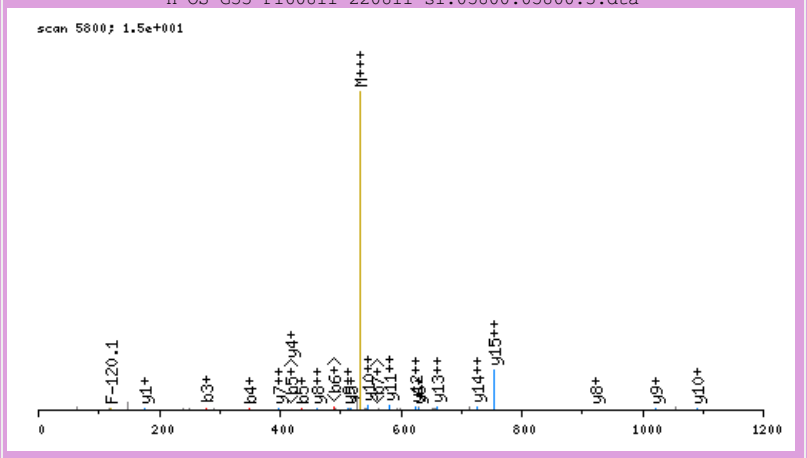
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
143.0820	2	G	13	1450.6814	725.8446
258.1090	3	D	12	1393.6599	697.3339
373.1359	4	D	11	1278.6330	639.8204
486.2200	5	L	10	1163.6061	582.3069
601.2469	6	D	9	1050.5220	525.7649
698.2997	7	P	8	935.4951	468.2514
812.3426	8	N	7	838.4423	419.7251
975.4059	9	Y	6	724.3994	362.7036
1074.4744	10	V	5	561.3360	281.1719
1187.5584	11	L	4	462.2676	231.6377
1274.5904	12	S	3	349.1836	175.0957
1361.6225	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

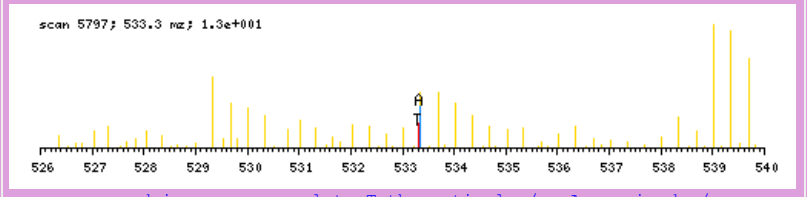
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGEASAAVEKLVSGVR, MH+ 1597.9550, m/z 533.3232
H_OS_G33_P160811_220811-s1.05800.05800.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



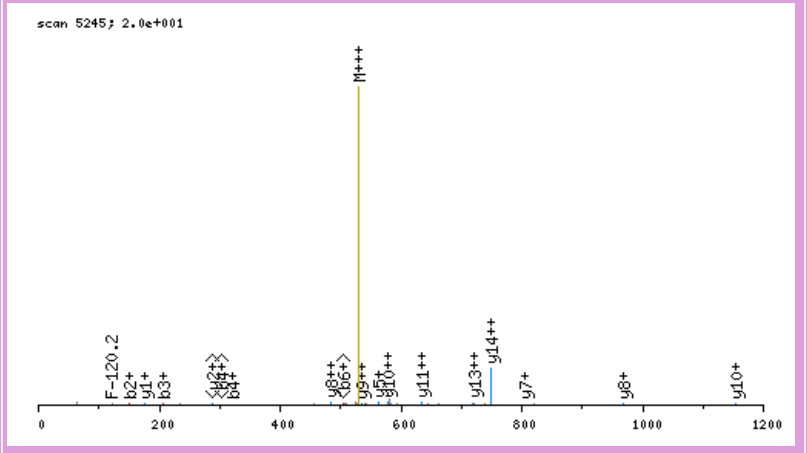
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
149.1138	2	G	15	1506.8704	**753.9391**
278.1564	3	E	14	1449.8490	**725.4284**
349.1935	4	A	13	1320.8064	**660.9071**
436.2256	5	S	12	1249.7692	**625.3885**
507.2627	6	A	11	1162.7372	**581.8725**
578.2998	7	A	10	**1091.7001**	**546.3540**
677.3682	8	V	9	**1020.6630**	**510.8354**
806.4108	9	E	8	**921.5946**	**461.3012**
968.5689	10	K	7	792.5520	**396.7799**
1081.6530	11	L	6	**630.3939**	315.7009
1180.7214	12	V	5	**517.3098**	259.1588
1267.7534	13	S	4	**418.2414**	209.6246
1324.7749	14	G	3	331.2094	166.1086
1423.8433	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

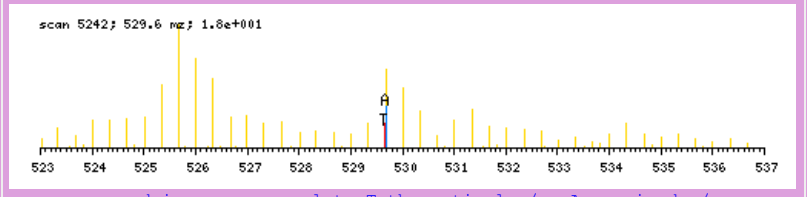
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGGDISVKELGTVMR, MH+ 1586.9212, m/z 529.6453
H OS G33 P160811 220811-s1.05245.05245.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



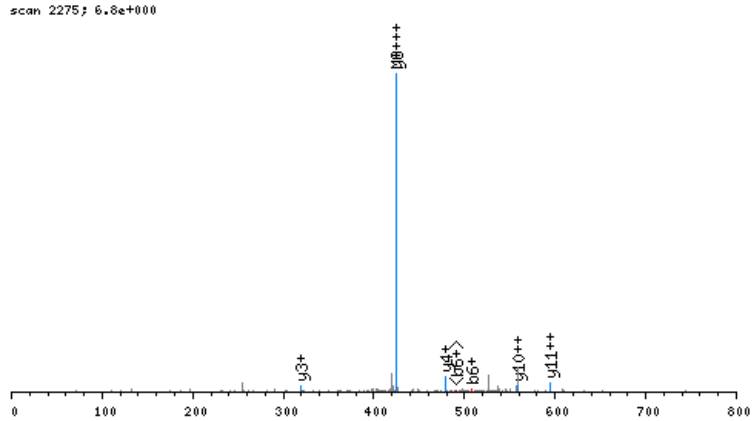
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
149.1138	2	G	14	1495.8367	**748.4223**
206.1353	3	G	13	1438.8152	**719.9115**
321.1622	4	D	12	1381.7937	691.4008
434.2463	5	I	11	1266.7668	**633.8873**
521.2783	6	S	10	**1153.6827**	**577.3453**
620.3467	7	V	9	1066.6507	**533.8293**
782.5048	8	K	8	**967.5823**	**484.2951**
911.5474	9	E	7	**805.4242**	403.2160
1024.6315	10	L	6	676.3816	338.6947
1081.6530	11	G	5	**563.2975**	282.1527
1182.7006	12	T	4	506.2761	253.6420
1281.7691	13	V	3	405.2284	203.1181
1412.8095	14	M	2	306.1600	153.5839
	15	R	1	**175.1195**	88.0637

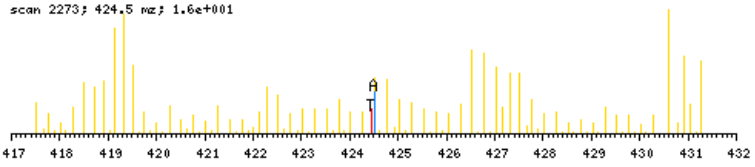
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GGGGHDALKGPNVCGSR, MH+ 1694.8396, m/z 424.4654
L OS G35 P160811 220811-s1.02275.02275.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



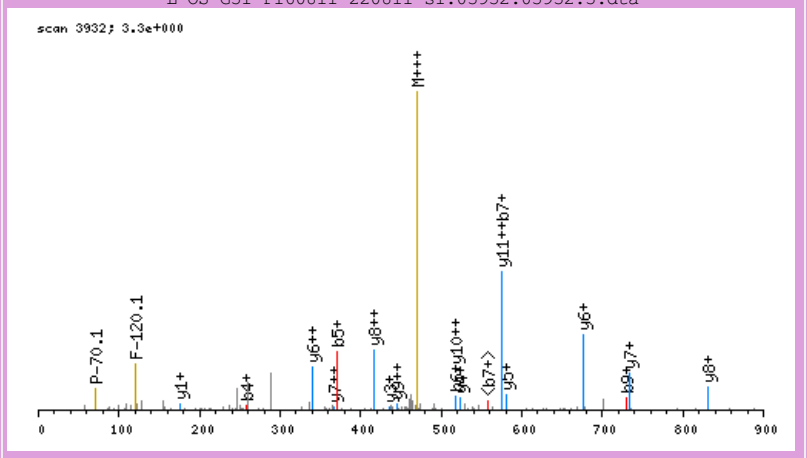
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
143.0820	2	G	16	1609.7869	805.3974
200.1035	3	G	15	1552.7654	776.8866
257.1250	4	G	14	1495.7440	748.3759
394.1839	5	H	13	1438.7225	719.8652
509.2108	6	D	12	1301.6636	651.3357
580.2479	7	A	11	1186.6366	**593.8222**
693.3320	8	L	10	1115.5995	**558.3037**
849.4583	9	K	9	1002.5155	501.7616
906.4798	10	G	8	846.3892	**423.6985**
1003.5325	11	P	7	789.3677	395.1878
1117.5754	12	N	6	692.3149	346.6614
1216.6439	13	V	5	578.2720	289.6399
1376.6745	14	C	4	**479.2036**	240.1057
1433.6959	15	G	3	**319.1730**	160.0904
1520.7279	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

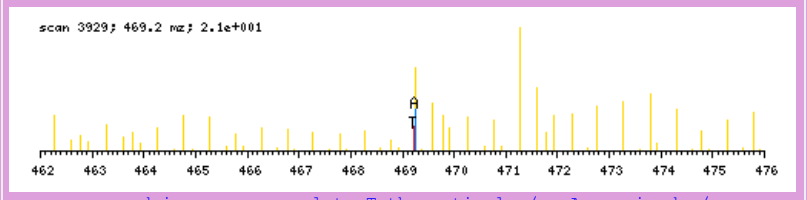
N-term:+29.04 K(9):+156.13
C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGGGNFGPGPGSNFR, MH+ 1405.6613, m/z 469.2253
L OS G31 P160811 220811-s1.03932.03932.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



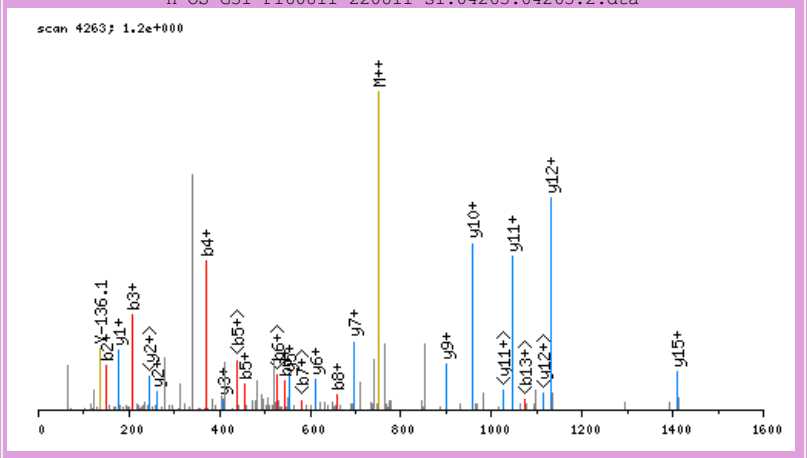
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
143.0820	2	G	14	1320.6085	660.8082
200.1035	3	G	13	1263.5871	632.2974
257.1250	4	G	12	1206.5656	603.7867
371.1679	5	N	11	1149.5441	**575.2760**
518.2363	6	F	10	1035.5012	**518.2545**
575.2578	7	G	9	888.4328	**444.7203**
672.3105	8	P	8	**831.4113**	**416.2096**
729.3320	9	G	7	**734.3586**	**367.6832**
826.3848	10	P	6	**677.3371**	**339.1725**
883.4062	11	G	5	**580.2843**	290.6461
970.4382	12	S	4	**523.2629**	262.1353
1084.4812	13	N	3	**436.2308**	218.6193
1231.5496	14	F	2	322.1879	161.5979
	15	R	1	**175.1195**	88.0637

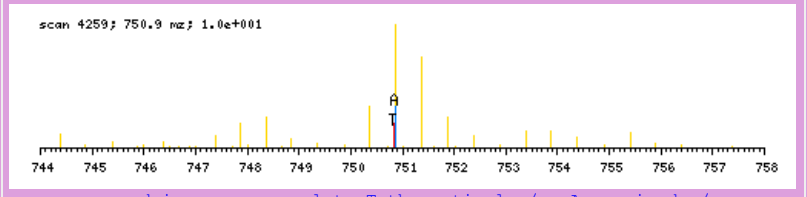
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GGGYSSGGFSGGSFSR, MH+ 1500.6931, m/z 750.8502
H OS G31 P160811 220811-s1.04263.04263.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



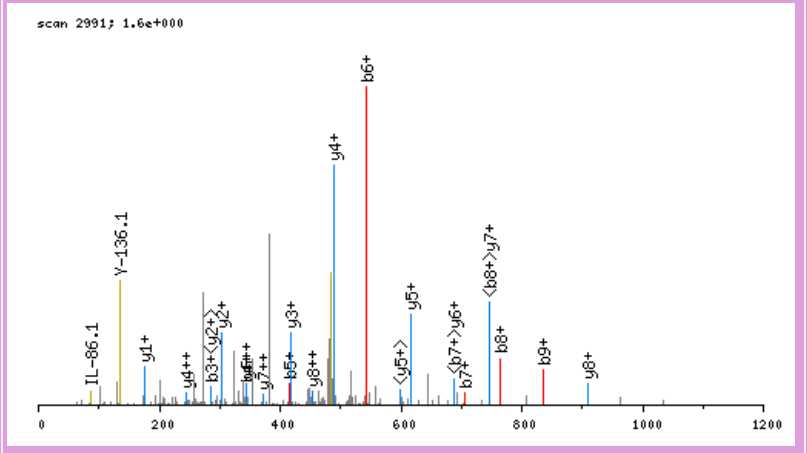
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
149.1138	2	G	15	1409.6086	705.3082
206.1353	3	G	14	1352.5871	676.7975
369.1986	4	Y	13	1295.5657	648.2867
456.2306	5	S	12	1132.5023	566.7551
543.2627	6	S	11	1045.4703	523.2391
600.2841	7	G	10	958.4383	479.7230
657.3056	8	G	9	901.4168	451.2123
804.3740	9	F	8	844.3953	422.7016
891.4060	10	S	7	697.3269	349.1674
948.4275	11	G	6	610.2949	305.6514
1005.4490	12	G	5	553.2734	277.1406
1092.4810	13	S	4	496.2520	248.6299
1239.5494	14	F	3	409.2199	205.1139
1326.5814	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

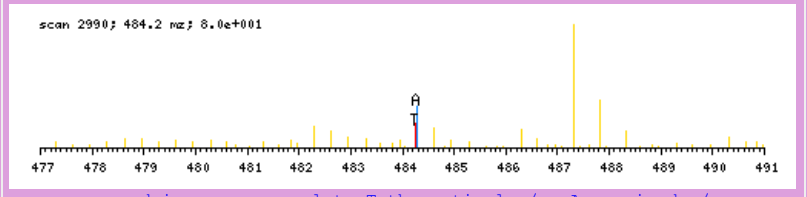
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGHGAEYGAEALER, MH+ 1450.7139, m/z 484.2428
H OS G34 P160811 220811-s1.02991.02991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



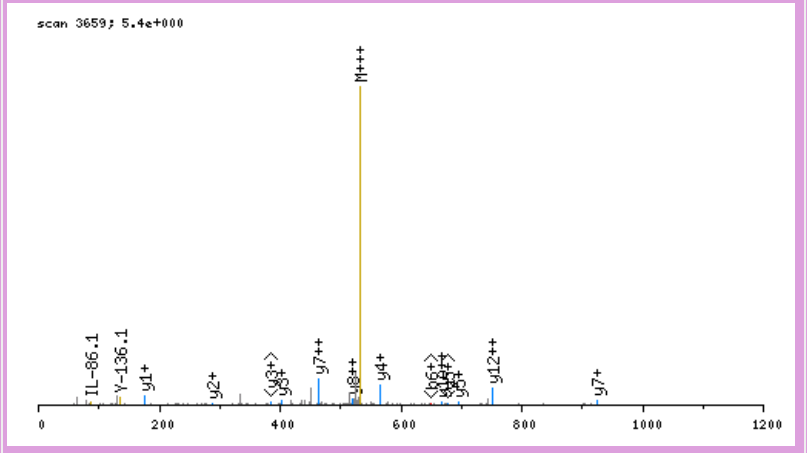
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
149.1138	2	G	13	1359.6293	680.3186
286.1727	3	H	12	1302.6079	651.8078
343.1942	4	G	11	1165.5489	583.2784
414.2313	5	A	10	1108.5275	554.7677
543.2739	6	E	9	1037.4904	519.2491
706.3372	7	Y	8	**908.4478**	**454.7278**
763.3587	8	G	7	**745.3844**	**373.1961**
834.3958	9	A	6	**688.3630**	**344.6854**
963.4384	10	E	5	**617.3259**	309.1668
1034.4755	11	A	4	**488.2833**	**244.6455**
1147.5596	12	L	3	**417.2462**	209.1270
1276.6022	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

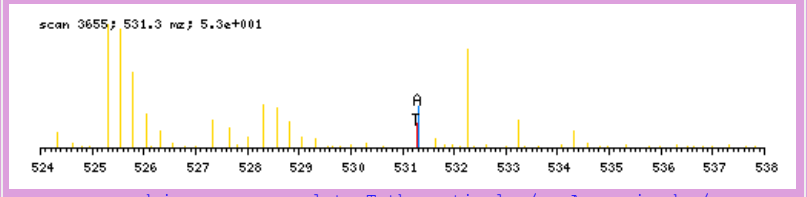
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGIKEDTEEYNLR, MH+ 1591.8604, m/z 531.2916
H OS G34 P160811 220811-s1.03659.03659.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



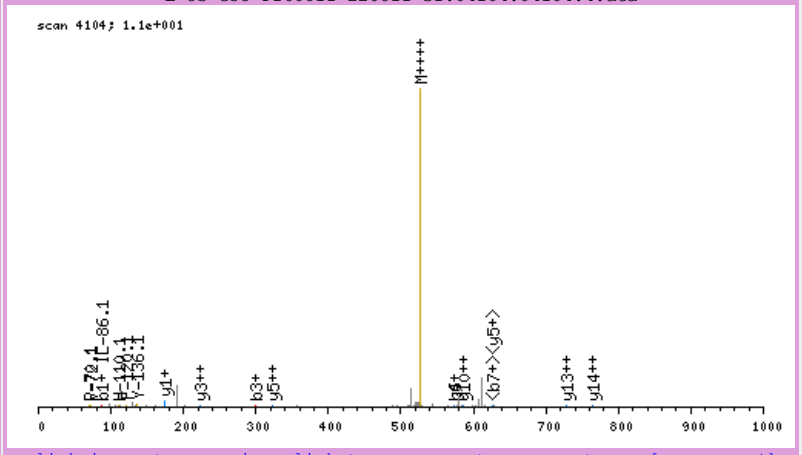
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
149.1138	2	G	12	1500.7758	**750.8918**
262.1979	3	I	11	1443.7544	722.3811
424.3560	4	K	10	1330.6703	**665.8391**
553.3986	5	E	9	1168.5122	584.7600
668.4255	6	D	8	1039.4696	**520.2387**
769.4732	7	T	7	**924.4427**	**462.7253**
898.5158	8	E	6	823.3950	412.2014
1027.5584	9	E	5	**694.3524**	347.6801
1190.6217	10	Y	4	**565.3098**	283.1588
1304.6646	11	N	3	**402.2465**	201.6272
1417.7487	12	L	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

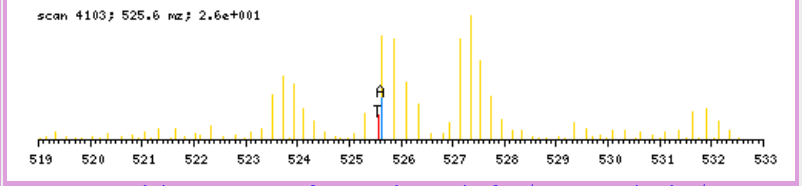
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGKATTASQAKAVLSAEKLR, MH+ 2099.2553, m/z 525.5693
L OS G35 P160811 220811-s1.04104.04104.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



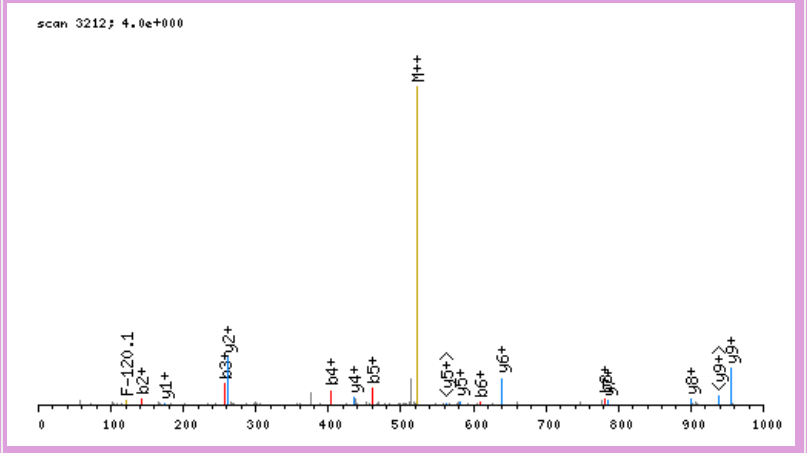
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
143.0820	2	G	19	2014.2026	1007.6052
299.2083	3	K	18	1957.1811	979.0945
370.2454	4	A	17	1801.0548	901.0313
471.2931	5	T	16	1730.0177	865.5128
572.3408	6	T	15	1628.9700	814.9889
643.3779	7	A	14	1527.9223	**764.4651**
730.4099	8	S	13	1456.8852	**728.9465**
858.4685	9	Q	12	1369.8532	685.4305
929.5056	10	A	11	1241.7946	621.4012
1085.6319	11	K	10	1170.7575	**585.8827**
1156.6690	12	A	9	1014.6312	507.8195
1255.7375	13	V	8	943.5941	472.3010
1368.8215	14	L	7	844.5257	422.7667
1455.8536	15	S	6	731.4416	366.2247
1526.8907	16	A	5	644.4096	**322.7087**
1655.9333	17	E	4	**573.3725**	287.1901
1812.0596	18	K	3	444.3299	**222.6688**
1925.1436	19	L	2	288.2036	144.6057
	20	R	1	**175.1195**	88.0637

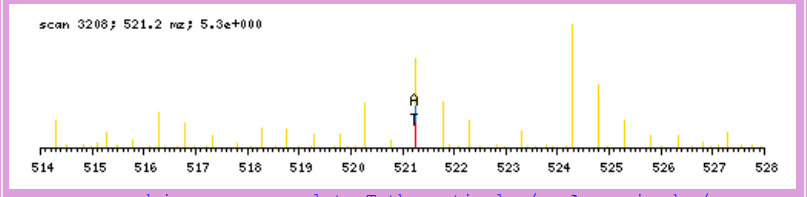
N-term:+29.04 K(3):+156.13
K(11):+156.13 K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGNFGFGDSR, MH+ 1041.4754, m/z 521.2413
L OS G32 P160811 220811-s1.03212.03212.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



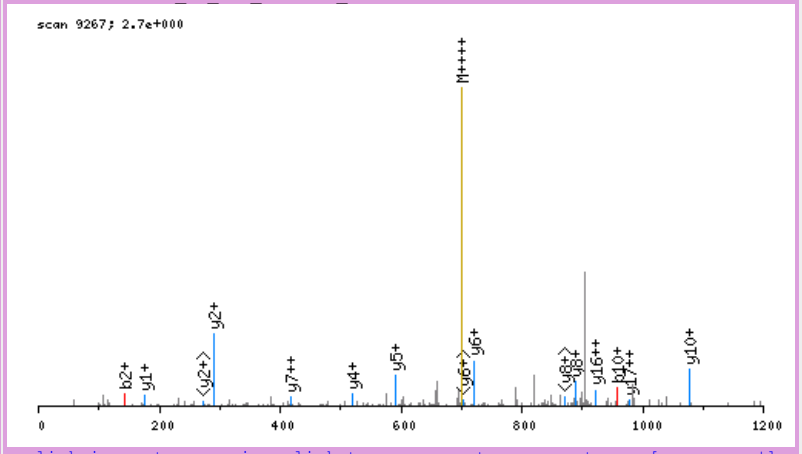
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
143.0820	2	G	9	956.4226	478.7152
257.1250	3	N	8	899.4012	450.2045
404.1934	4	F	7	785.3582	393.1830
461.2148	5	G	6	638.2898	319.6488
608.2832	6	F	5	581.2683	291.1381
665.3047	7	G	4	434.1999	217.6039
780.3317	8	D	3	377.1785	189.0931
867.3637	9	S	2	262.1515	131.5797
	10	R	1	175.1195	88.0637

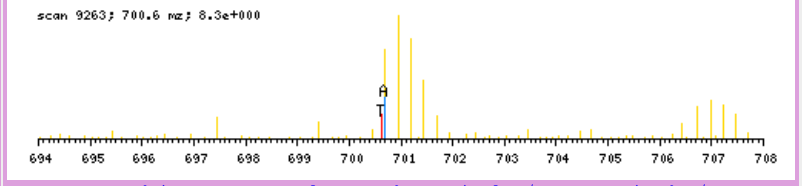
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGNSSPSAKDIKKILDSVGIEADDDR, MH+ 2799.4741, m/z 700.6240
L_OS_G35_P160811_220811-s1.09267.09267.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



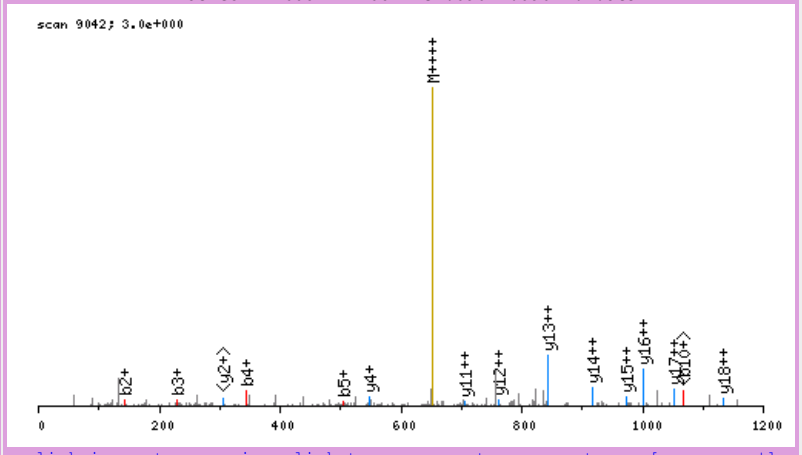
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	26		
143.0820	2	G	25	2714.4213	1357.7146
257.1250	3	N	24	2657.3999	1329.2039
344.1570	4	S	23	2543.3569	1272.1824
431.1890	5	S	22	2456.3249	1228.6664
528.2418	6	P	21	2369.2929	1185.1504
615.2738	7	S	20	2272.2401	1136.6240
686.3109	8	A	19	2185.2081	1093.1080
842.4372	9	K	18	2114.1710	1057.5894
957.4642	10	D	17	1958.0447	**979.5263**
1070.5482	11	I	16	1843.0177	**922.0128**
1226.6745	12	K	15	1729.9337	865.4708
1382.8008	13	K	14	1573.8074	787.4076
1495.8849	14	I	13	1417.6811	709.3445
1608.9690	15	L	12	1304.5970	652.8024
1723.9959	16	D	11	1191.5130	596.2604
1811.0279	17	S	10	**1076.4860**	538.7469
1910.0963	18	V	9	989.4540	495.2309
1967.1178	19	G	8	**890.3856**	445.6967
2080.2019	20	I	7	833.3641	**417.1860**
2209.2445	21	E	6	**720.2800**	360.6439
2280.2816	22	A	5	**591.2374**	296.1226
2395.3085	23	D	4	**520.2003**	260.6041
2510.3355	24	D	3	405.1734	203.0906
2625.3624	25	D	2	**290.1464**	145.5771
	26	R	1	**175.1195**	88.0637

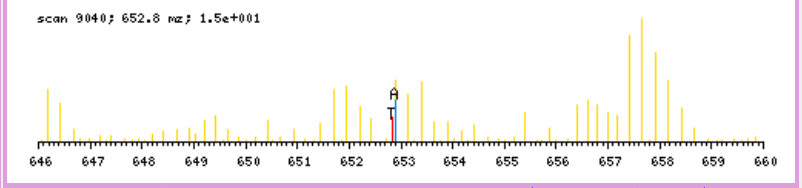
N-term:+29.04 K(9):+156.13
K(12):+156.13 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GGSDCTGNFCLFKSTTKDLLFR, MH+ 2608.2903, m/z 652.8280
L OS G34 P160811 220811-s1.09042.09042.4.dta



click image to zoom in; click top corners to zoom out [precursor]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	22		
143.0820	2	G	21	2523.2376	1262.1227
230.1141	3	S	20	2466.2161	1233.6120
345.1410	4	D	19	2379.1841	1190.0960
505.1716	5	C	18	2264.1571	**1132.5825**
606.2193	6	T	17	2104.1265	**1052.5672**
663.2407	7	G	16	2003.0789	**1002.0433**
777.2837	8	N	15	1946.0574	**973.5326**
924.3521	9	F	14	1832.0145	**916.5111**
1084.3827	10	C	13	1684.9460	**842.9769**
1197.4667	11	L	12	1524.9154	**762.9616**
1344.5352	12	F	11	1411.8314	**706.4196**
1500.6615	13	K	10	1264.7630	632.8854
1587.6935	14	S	9	1108.6367	554.8222
1688.7412	15	T	8	1021.6046	511.3062
1789.7888	16	T	7	920.5570	460.7824
1945.9151	17	K	6	819.5093	410.2586
2060.9421	18	D	5	663.3830	332.1954
2174.0262	19	L	4	**548.3560**	274.6819
2287.1102	20	L	3	435.2720	218.1399
2434.1786	21	F	2	322.1879	161.5979
	22	R	1	175.1195	88.0637

N-term:+29.04 C(5):+160.03
C(10):+160.03 K(13):+156.13
K(17):+156.13

X-range:
0 - 0

MassTol: Y-zoom:
0. 1.

MassType:
AVG MONO

Axis:
1 2

Label:
I M -

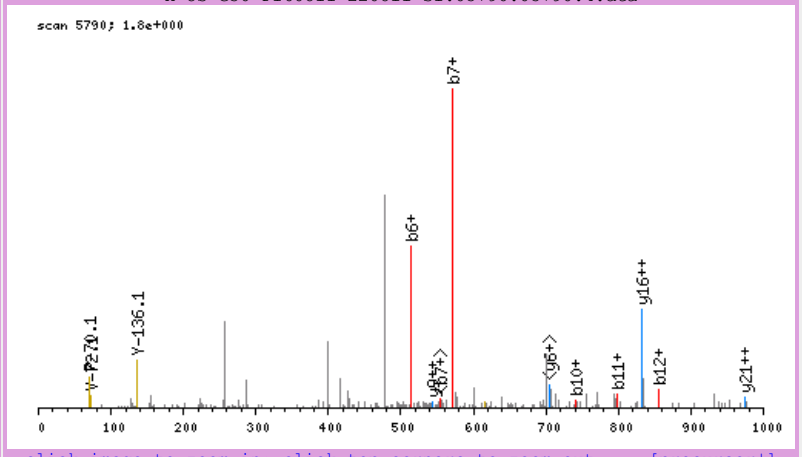
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]

hide H_2O/NH_3

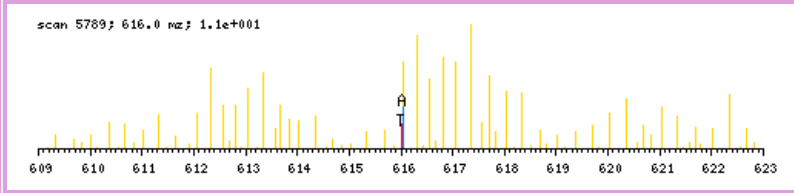
zoom 112-122

GO

GGSGGYGGGGGGYGGGEGYSISPNSYR, MH+ 2461.0868, m/z 616.0272
H OS G30 P160811 220811-s1.05790.05790.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



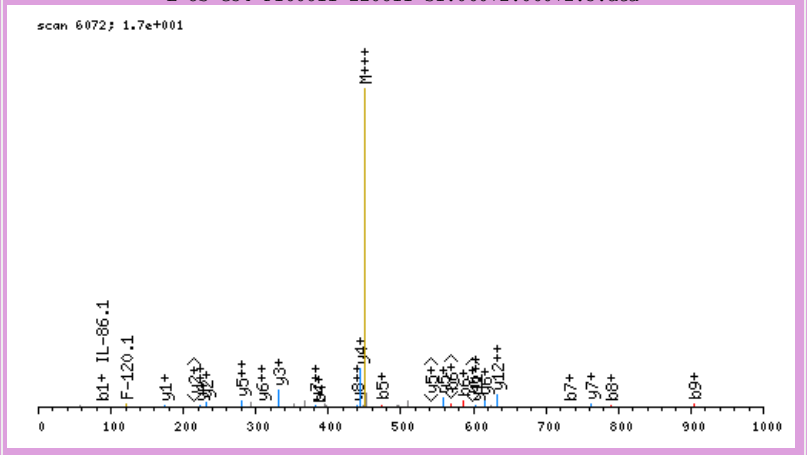
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	27		
149.1138	2	G	26	2370.0023	1185.5051
236.1459	3	S	25	2312.9808	1156.9943
293.1673	4	G	24	2225.9488	1113.4783
350.1888	5	G	23	2168.9273	1084.9676
513.2521	6	Y	22	2111.9059	1056.4569
570.2736	7	G	21	1948.8426	**974.9252**
627.2950	8	G	20	1891.8211	946.4145
684.3165	9	G	19	1834.7996	917.9037
741.3380	10	G	18	1777.7782	889.3930
798.3594	11	G	17	1720.7567	860.8823
855.3809	12	G	16	1663.7352	**832.3715**
1018.4442	13	Y	15	1606.7138	803.8608
1075.4657	14	G	14	1443.6504	722.3291
1132.4872	15	G	13	1386.6290	693.8184
1189.5086	16	G	12	1329.6075	665.3077
1318.5512	17	E	11	1272.5861	636.7969
1375.5727	18	G	10	1143.5435	572.2756
1538.6360	19	Y	9	1086.5220	**543.7649**
1625.6680	20	S	8	923.4587	462.2332
1738.7521	21	I	7	836.4266	418.7172
1825.7841	22	S	6	723.3426	362.1752
1922.8369	23	P	5	636.3105	318.6592
2036.8798	24	N	4	539.2578	270.1328
2123.9118	25	S	3	425.2149	213.1113
2286.9752	26	Y	2	338.1828	169.5953
	27	R	1	175.1195	88.0637

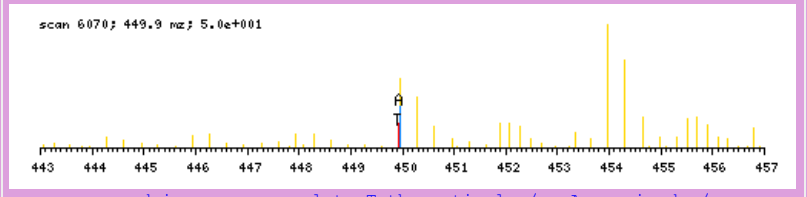
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGSKSIFGNLVGR, MH+ 1347.7749, m/z 449.9298
L OS G34 P160811 220811-s1.06072.06072.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



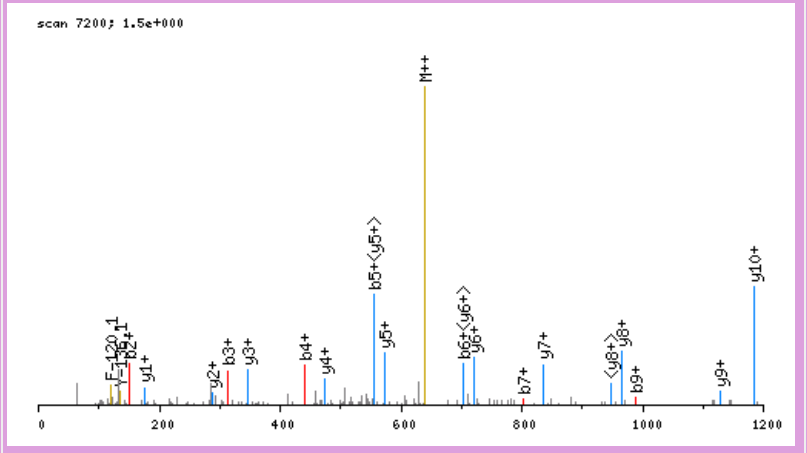
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
143.0820	2	G	12	1262.7221	631.8650
230.1141	3	S	11	1205.7007	603.3542
386.2404	4	K	10	1118.6686	559.8382
473.2724	5	S	9	962.5423	481.7751
586.3564	6	I	8	875.5103	438.2591
733.4249	7	F	7	762.4262	381.7170
790.4463	8	G	6	615.3578	308.1828
904.4893	9	N	5	558.3364	279.6721
1017.5733	10	L	4	444.2934	222.6506
1116.6417	11	V	3	331.2094	166.1086
1173.6632	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

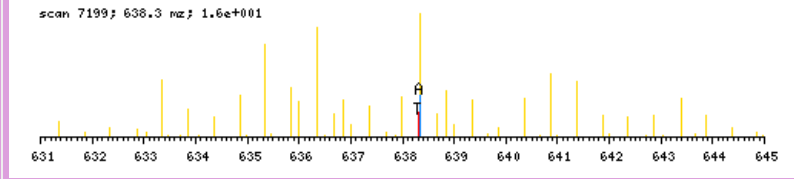
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGYEDFVEGLR, MH+ 1275.6433, m/z 638.3253
H OS G31 P160811 220811-s1.07200.07200.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



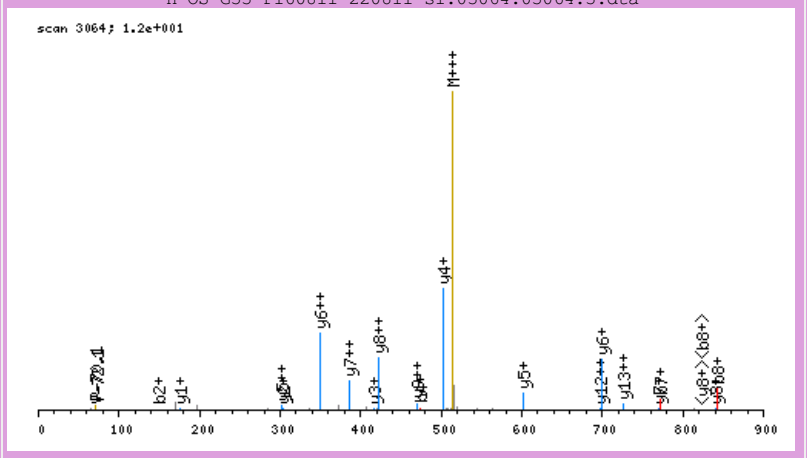
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
149.1138	2	G	10	1184.5588	592.7833
312.1772	3	Y	9	1127.5373	564.2726
441.2197	4	E	8	964.4740	482.7409
556.2467	5	D	7	835.4314	418.2196
703.3151	6	F	6	720.4044	360.7061
802.3835	7	V	5	573.3360	287.1719
931.4261	8	E	4	474.2676	237.6377
988.4476	9	G	3	345.2250	173.1164
1101.5316	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

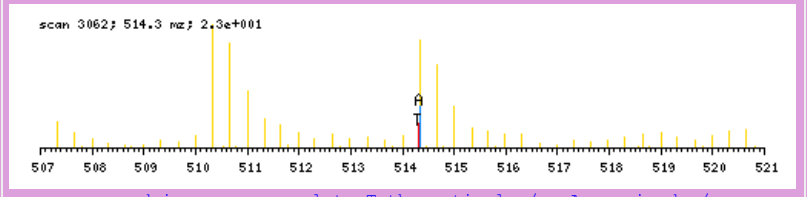
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GGYKEPAAPVSIQR, MH+ 1540.9124, m/z 514.3090
H OS G33 P160811 220811-s1.03064.03064.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



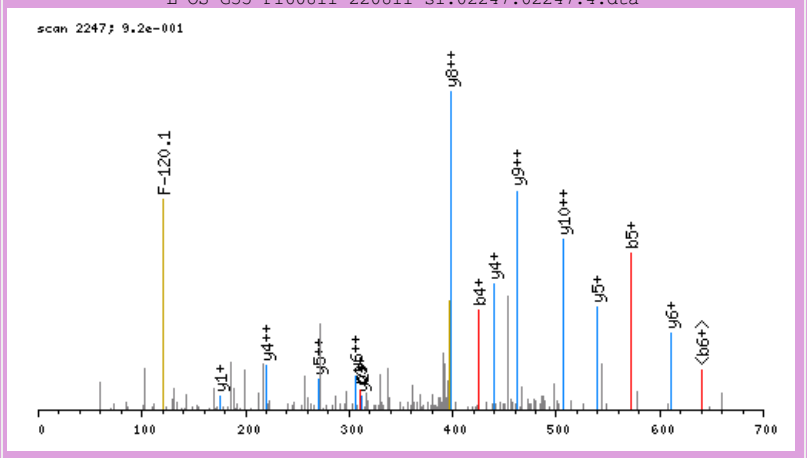
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
149.1138	2	G	13	1449.8278	**725.4178**
312.1772	3	Y	12	1392.8064	**696.9071**
474.3353	4	K	11	1229.7430	615.3754
603.3778	5	E	10	1067.5849	534.2964
700.4306	6	P	9	938.5423	**469.7751**
771.4677	7	A	8	**841.4896**	**421.2487**
842.5048	8	A	7	**770.4525**	**385.7301**
939.5576	9	P	6	**699.4153**	**350.2116**
1038.6260	10	V	5	**602.3626**	**301.6852**
1125.6580	11	S	4	**503.2942**	252.1510
1238.7421	12	I	3	**416.2621**	208.6350
1366.8007	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

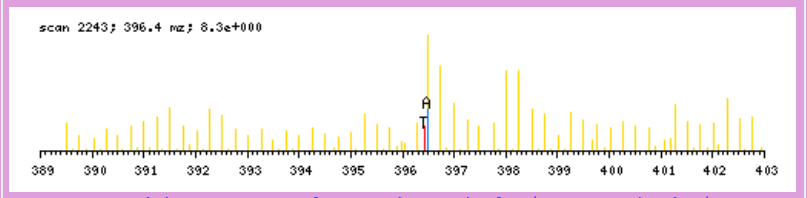
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GHSDFSEGQAVGAHR, MH+ 1582.7362, m/z 396.4395
L OS G35 P160811 220811-s1.02247.02247.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



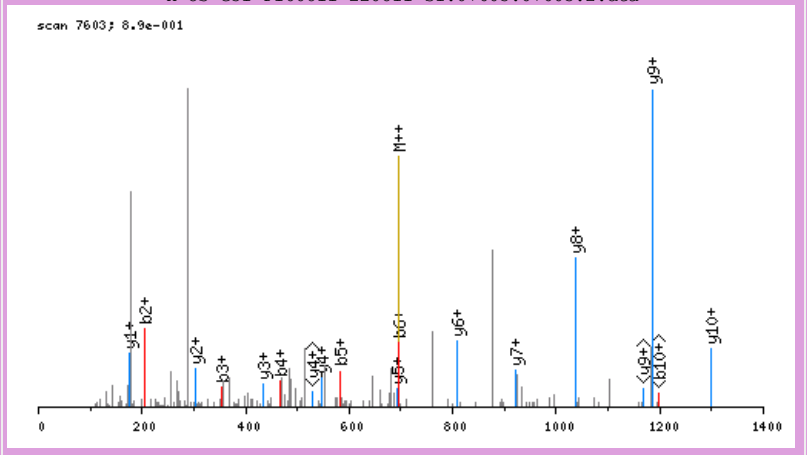
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
223.1195	2	H	14	1497.6835	749.3457
310.1515	3	S	13	1360.6246	680.8162
425.1784	4	D	12	1273.5925	637.3002
572.2469	5	F	11	1158.5656	579.7867
659.2789	6	S	10	1011.4972	**506.2525**
788.3215	7	E	9	924.4652	**462.7365**
845.3429	8	G	8	795.4226	**398.2152**
973.4015	9	Q	7	738.4011	369.7045
1044.4386	10	A	6	**610.3425**	**305.6752**
1143.5071	11	V	5	**539.3054**	**270.1566**
1200.5285	12	G	4	**440.2370**	**220.6224**
1271.5656	13	A	3	383.2155	192.1117
1408.6245	14	H	2	**312.1784**	156.5931
	15	R	1	**175.1195**	88.0637

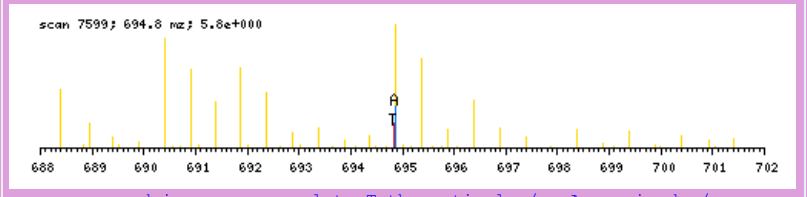
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GIFDDNFIEER, MH+ 1388.6910, m/z 694.8491
H OS G31 P160811 220811-s1.07603.07603.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



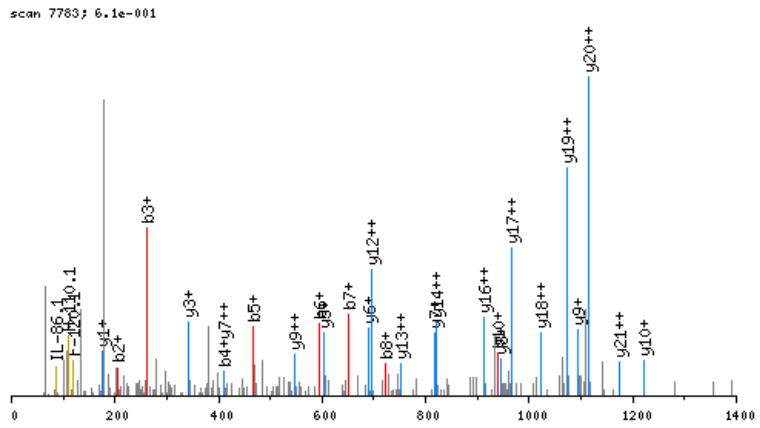
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
205.1764	2	I	10	1297.6065	649.3071
352.2448	3	F	9	1184.5224	592.7651
467.2718	4	D	8	1037.4540	519.2309
582.2987	5	D	7	922.4270	461.7174
696.3417	6	N	6	807.4001	404.2040
843.4101	7	F	5	693.3572	347.1825
956.4941	8	I	4	546.2888	273.6483
1085.5367	9	E	3	433.2047	217.1063
1214.5793	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

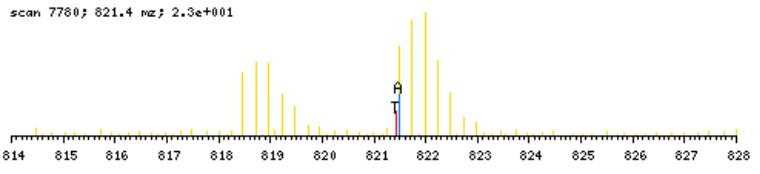
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GIGFGQGAGCLSTDTGEHLGLQFQQSPKPAR, MH+ 3282.6965, m/z 821.4296
H OS G34 P160811 220811-s1.07783.07783.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



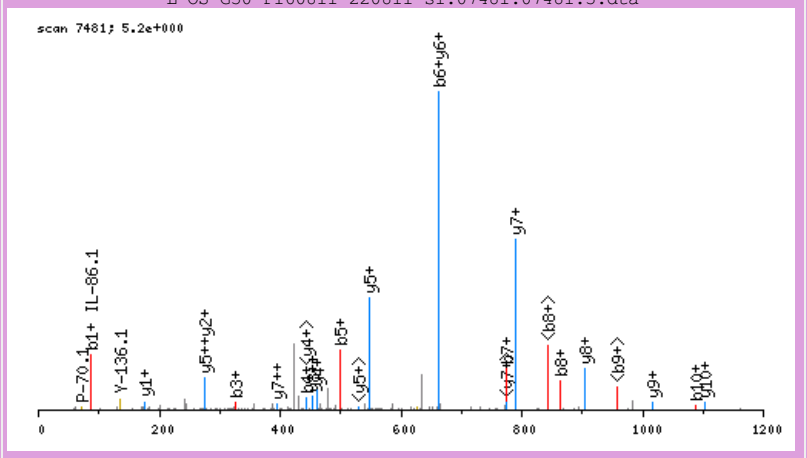
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	31		
205.1764	2	I	30	3191.6120	1596.3099
262.1979	3	G	29	3078.5279	1539.7679
409.2663	4	F	28	3021.5065	1511.2571
466.2878	5	G	27	2874.4381	1437.7229
594.3463	6	Q	26	2817.4166	1409.2122
651.3678	7	G	25	2689.3580	1345.1829
722.4049	8	A	24	2632.3365	1316.6722
779.4264	9	G	23	2561.2994	1281.1536
939.4570	10	C	22	2504.2780	1252.6429
1052.5411	11	L	21	2344.2474	**1172.6276**
1139.5731	12	S	20	2231.1633	**1116.0856**
1240.6208	13	T	19	2144.1313	**1072.5696**
1355.6477	14	D	18	2043.0836	**1022.0457**
1456.6954	15	T	17	1928.0567	**964.5322**
1513.7168	16	G	16	1827.0090	**914.0084**
1642.7594	17	E	15	1769.9875	885.4977
1779.8183	18	H	14	1640.9449	**820.9764**
1892.9024	19	L	13	1503.8860	**752.4469**
1949.9239	20	G	12	1390.8019	**695.9049**
2063.0079	21	L	11	1333.7805	667.3942
2191.0665	22	Q	10	**1220.6964**	610.8521
2338.1349	23	F	9	**1092.6378**	**546.8228**
2466.1935	24	Q	8	**945.5694**	473.2886
2594.2521	25	Q	7	**817.5108**	**409.2593**
2681.2841	26	S	6	**689.4523**	345.2300
2778.3369	27	P	5	**602.4202**	301.7140
2940.4950	28	K	4	505.3675	253.1877
3037.5477	29	P	3	**343.2094**	172.1086
3108.5849	30	A	2	246.1566	123.5822
	31	R	1	**175.1195**	88.0637

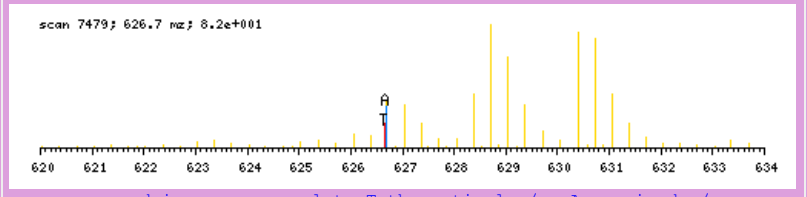
N-term:+35.07 C(10):+160.03
K(28):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GIQDGYLSLLQDSGEVR, MH+ 1877.9609, m/z 626.6585
L OS G30 P160811 220811-s1.07481.07481.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



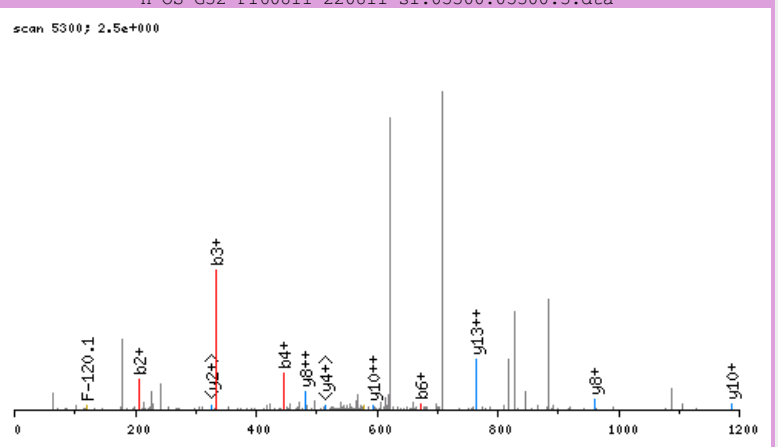
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
199.1446	2	I	16	1792.9081	896.9580
327.2032	3	Q	15	1679.8241	840.4159
442.2301	4	D	14	1551.7655	776.3867
499.2516	5	G	13	1436.7385	718.8732
662.3149	6	Y	12	1379.7171	690.3624
775.3990	7	L	11	1216.6537	608.8308
862.4310	8	S	10	1103.5697	552.2888
975.5151	9	L	9	1016.5376	508.7727
1088.5992	10	L	8	903.4536	452.2307
1216.6577	11	Q	7	790.3695	395.6887
1331.6847	12	D	6	662.3109	331.6594
1418.7167	13	S	5	547.2840	274.1459
1475.7382	14	G	4	460.2520	230.6299
1604.7808	15	E	3	403.2305	202.1192
1703.8492	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

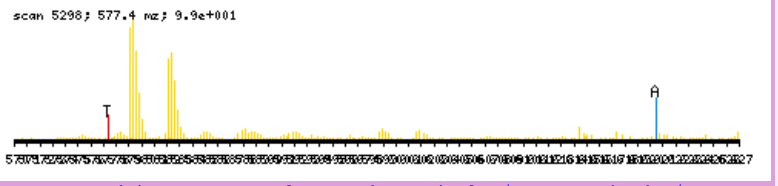
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GIQLPEVELSVSTKK, MH+ 1730.1164, m/z 577.3770
H OS G32 P160811 220811-s1.05300.05300.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



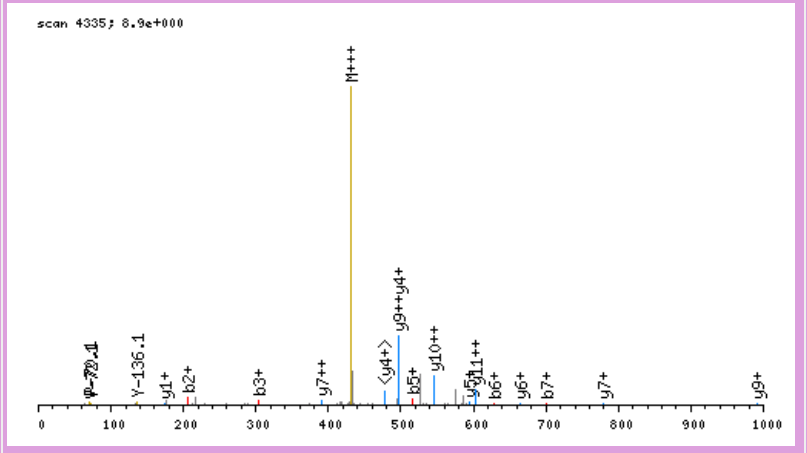
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
205.1764	2	I	14	1639.0319	820.0198
333.2350	3	Q	13	1525.9478	**763.4778**
446.3191	4	L	12	1397.8892	699.4485
543.3718	5	P	11	1284.8052	642.9065
672.4144	6	E	10	**1187.7524**	**594.3801**
771.4828	7	V	9	1058.7098	529.8588
900.5254	8	E	8	**959.6414**	**480.3246**
1013.6095	9	L	7	830.5988	415.8033
1100.6415	10	S	6	717.5147	359.2613
1199.7099	11	V	5	630.4827	315.7453
1286.7420	12	S	4	531.4143	266.2111
1387.7896	13	T	3	444.3823	222.6950
1549.9477	14	K	2	343.3346	172.1712
	15	K	1	181.1765	91.0922

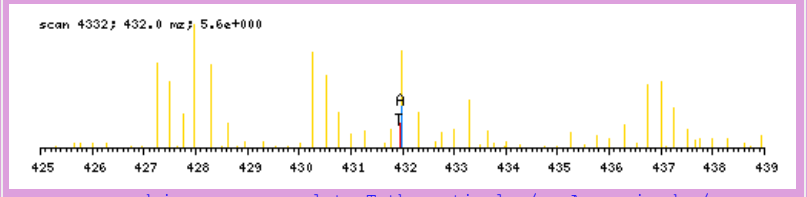
N-term:+35.07 K(14):+162.16
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GIVPDIAVGTKR, MH+ 1293.8531, m/z 431.9559
H OS G33 P160811 220811-s1.04335.04335.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



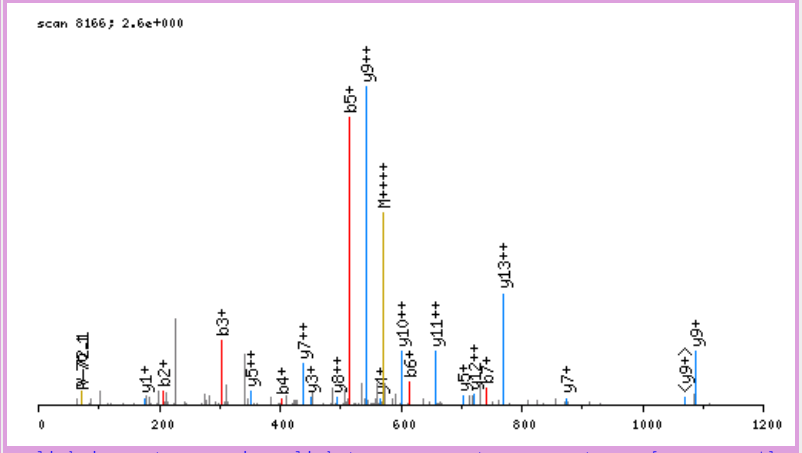
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
205.1764	2	I	11	1202.7685	601.8882
304.2448	3	V	10	1089.6845	545.3461
401.2976	4	P	9	990.6160	495.8119
516.3245	5	D	8	893.5633	447.2856
629.4086	6	I	7	778.5363	389.7721
700.4457	7	A	6	665.4523	333.2300
799.5141	8	V	5	594.4152	297.7115
856.5356	9	G	4	495.3467	248.1773
957.5833	10	T	3	438.3253	219.6666
1119.7414	11	K	2	337.2776	169.1427
	12	R	1	175.1195	88.0637

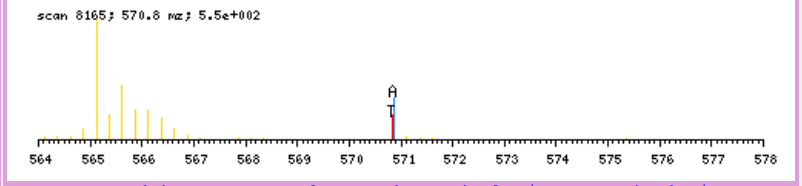
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GIVPIVEPEILPDGDHDLKR, MH+ 2280.3240, m/z 570.8364
H OS G34 P160811 220811-s1.08166.08166.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



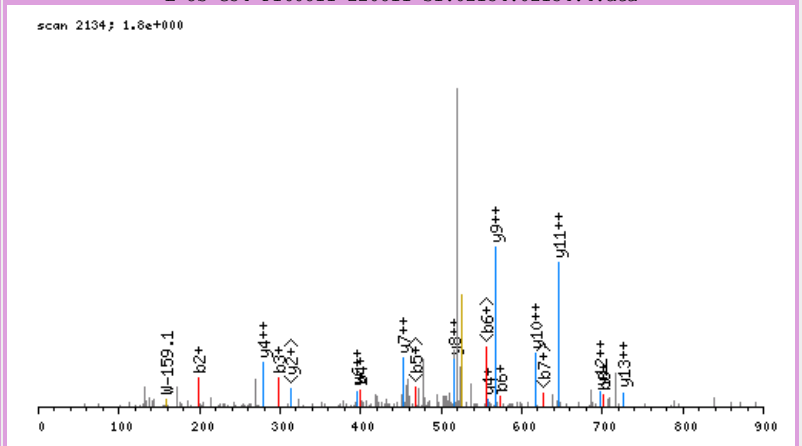
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	20		
205.1764	2	I	19	2189.2394	1095.1236
304.2448	3	V	18	2076.1554	1038.5816
401.2976	4	P	17	1977.0870	989.0474
514.3817	5	I	16	1880.0342	940.5210
613.4501	6	V	15	1766.9501	883.9790
742.4927	7	E	14	1667.8817	834.4448
839.5454	8	P	13	1538.8391	**769.9235**
968.5880	9	E	12	1441.7864	**721.3971**
1081.6721	10	I	11	1312.7438	**656.8758**
1194.7562	11	L	10	1199.6597	**600.3338**
1291.8089	12	P	9	**1086.5756**	**543.7917**
1406.8359	13	D	8	989.5229	**495.2653**
1463.8573	14	G	7	**874.4959**	**437.7519**
1578.8843	15	D	6	817.4745	409.2411
1715.9432	16	H	5	**702.4475**	**351.7277**
1830.9701	17	D	4	**565.3886**	283.1982
1944.0542	18	L	3	**450.3617**	225.6847
2106.2123	19	K	2	337.2776	169.1427
	20	R	1	**175.1195**	88.0637

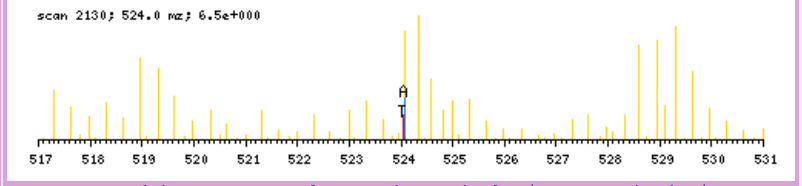
N-term:+35.07 K(19):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GIVTSSAGTGTTEDTEAKKR, MH+ 2093.1091, m/z 524.0327
L OS G34 P160811 220811-s1.02134.02134.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



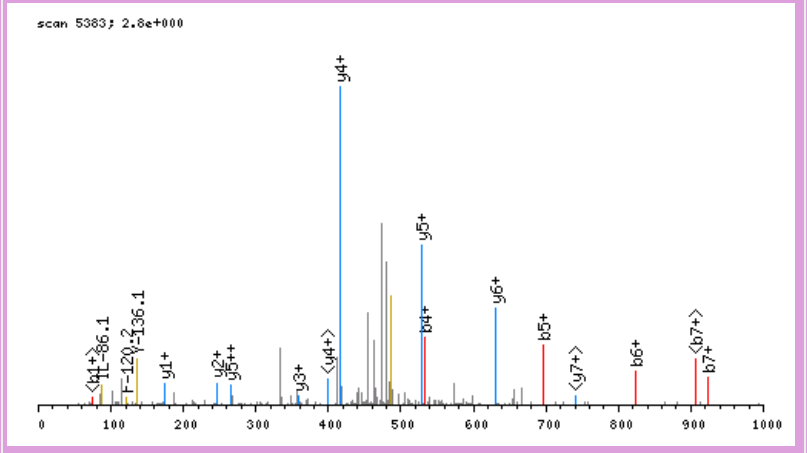
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
199.1446	2	I	19	2008.0563	1004.5321
298.2130	3	V	18	1894.9722	947.9900
399.2607	4	T	17	1795.9038	898.4558
486.2927	5	S	16	1694.8562	847.9320
573.3248	6	S	15	1607.8241	804.4160
644.3619	7	A	14	1520.7921	760.9000
701.3834	8	G	13	1449.7550	**725.3814**
802.4310	9	T	12	1392.7335	**696.8707**
859.4525	10	G	11	1291.6858	**646.3468**
960.5002	11	T	10	1234.6644	**617.8361**
1061.5479	12	T	9	1133.6167	**567.3123**
1190.5904	13	E	8	1032.5690	**516.7884**
1305.6174	14	D	7	903.5264	**452.2671**
1406.6651	15	T	6	788.4995	**394.7537**
1535.7077	16	E	5	687.4518	344.2298
1606.7448	17	A	4	**558.4092**	**279.7085**
1762.8711	18	K	3	487.3721	244.1900
1918.9974	19	K	2	331.2458	166.1268
	20	R	1	175.1195	88.0637

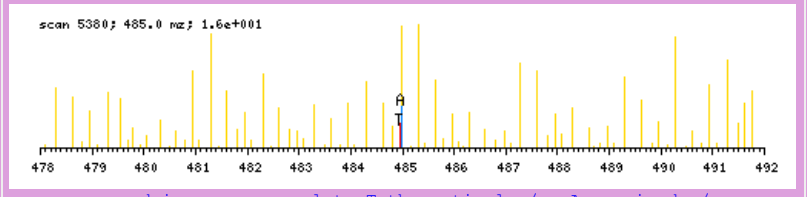
N-term:+29.04 K(18):+156.13
K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GKDYYQTLGLAR, MH+ 1452.8487, m/z 484.9544
H OS G34 P160811 220811-s1.05383.05383.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



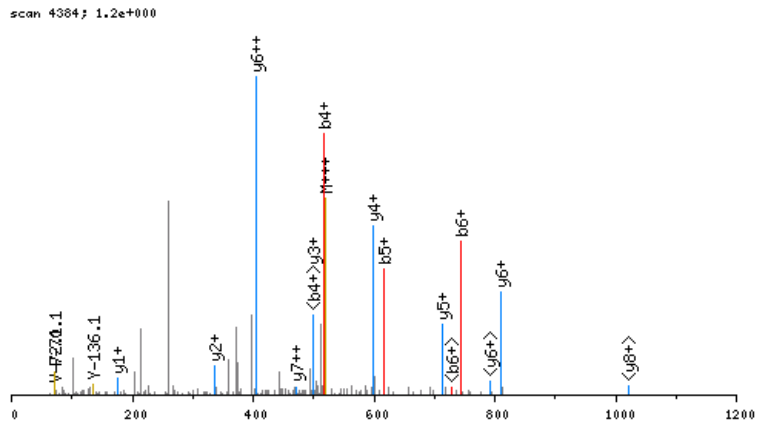
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
254.2505	2	K	11	1361.7642	681.3860
369.2774	3	D	10	1199.6061	600.3069
532.3407	4	Y	9	1084.5791	542.7935
695.4041	5	Y	8	921.5158	461.2618
823.4626	6	Q	7	758.4525	379.7301
924.5103	7	T	6	**630.3939**	315.7009
1037.5944	8	L	5	**529.3462**	**265.1770**
1094.6158	9	G	4	**416.2621**	208.6350
1207.6999	10	L	3	**359.2407**	180.1243
1278.7370	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

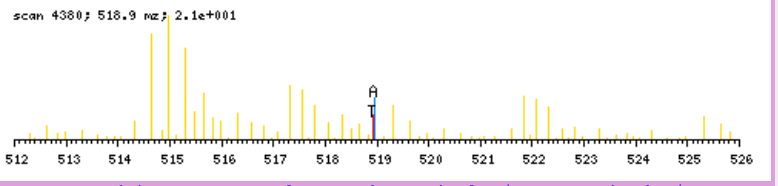
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GKFDVEPDTYCR, MH+ 1554.7898, m/z 518.9348
H OS G34 P160811 220811-s1.04384.04384.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



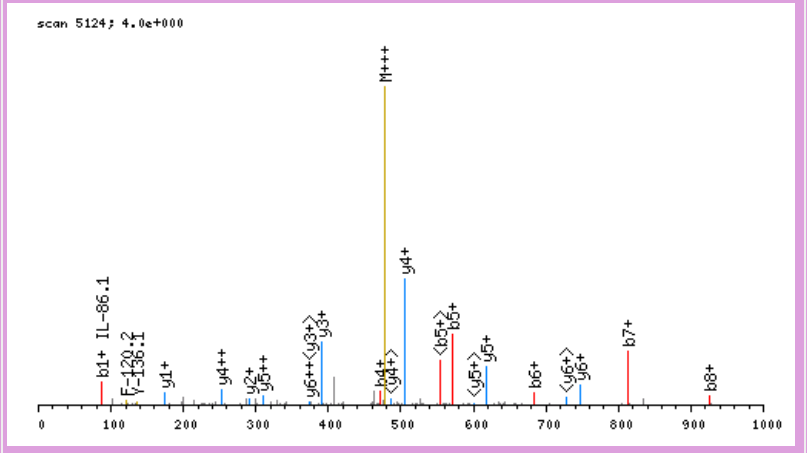
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
254.2505	2	K	11	1463.7053	732.3566
401.3189	3	F	10	1301.5472	651.2775
516.3458	4	D	9	1154.4788	577.7433
615.4142	5	V	8	1039.4518	520.2298
744.4568	6	E	7	940.3834	**470.6956**
841.5096	7	P	6	**811.3408**	**406.1743**
956.5365	8	D	5	**714.2881**	357.6479
1057.5842	9	T	4	**599.2611**	300.1345
1220.6475	10	Y	3	**498.2134**	249.6106
1380.6781	11	C	2	**335.1501**	168.0790
	12	R	1	**175.1195**	88.0637

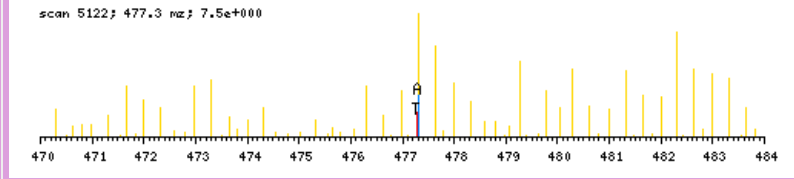
N-term:+35.07 K(2):+162.16
C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GKIDTIEIITDR, MH+ 1429.8266, m/z 477.2804
L OS G33 P160811 220811-s1.05124.05124.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



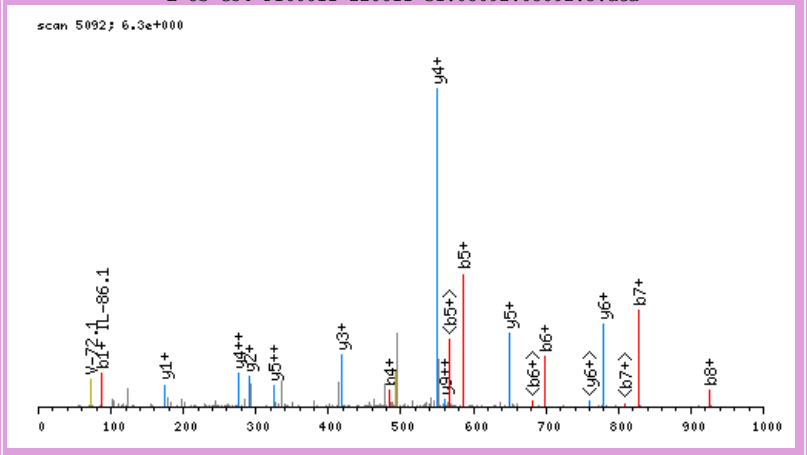
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**12**		
242.1869	**2**	**K**	**11**	1344.7739	672.8909
355.2709	**3**	**I**	**10**	1188.6476	594.8277
470.2979	**4**	**D**	**9**	1075.5635	538.2857
571.3455	**5**	**T**	**8**	960.5366	480.7722
684.4296	**6**	**I**	**7**	859.4889	430.2484
813.4722	**7**	**E**	**6**	**746.4048**	**373.7063**
926.5563	**8**	**I**	**5**	**617.3623**	**309.1850**
1039.6403	**9**	**I**	**4**	**504.2782**	**252.6430**
1140.6880	**10**	**T**	**3**	**391.1941**	196.1010
1255.7150	**11**	**D**	**2**	**290.1464**	145.5771
	12	**R**	**1**	**175.1195**	88.0637

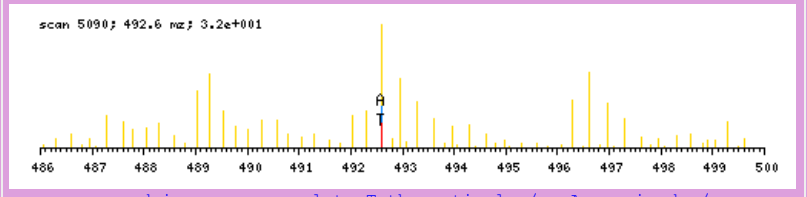
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GKIETIEVMEDR, MH+ 1475.7780, m/z 492.5975
L OS G34 P160811 220811-s1.05092.05092.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



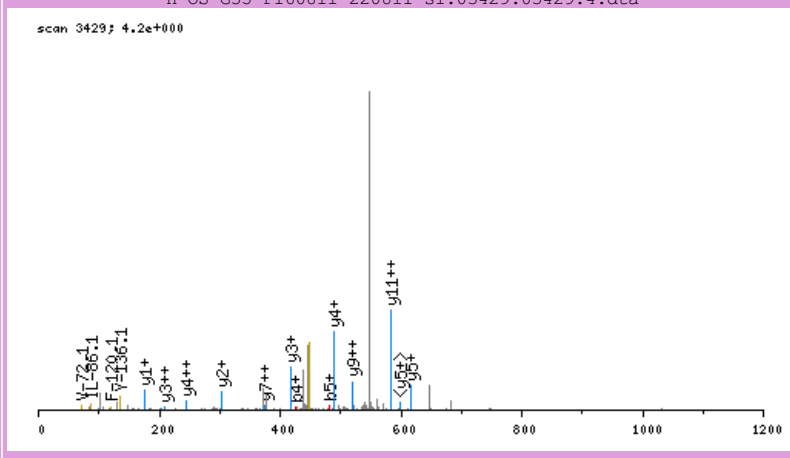
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
242.1869	2	K	11	1390.7252	695.8665
355.2709	3	I	10	1234.5989	617.8034
484.3135	4	E	9	1121.5149	561.2613
585.3612	5	T	8	992.4723	496.7400
698.4453	6	I	7	891.4246	446.2162
827.4879	7	E	6	778.3405	389.6742
926.5563	8	V	5	649.2979	325.1529
1057.5968	9	M	4	550.2295	275.6187
1186.6393	10	E	3	419.1890	210.0984
1301.6663	11	D	2	290.1464	145.5771
	12	R	1	175.1195	88.0637

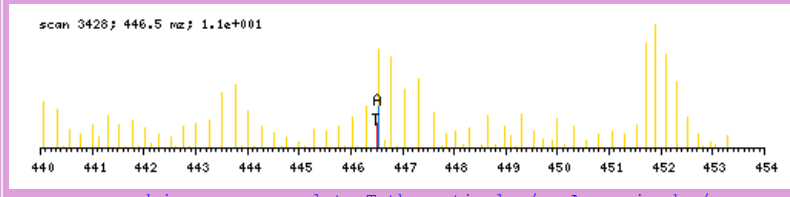
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GKIGGHGAEYGAEALER, MH+ 1782.9775, m/z 446.4998
H OS G35 P160811 220811-s1.03429.03429.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



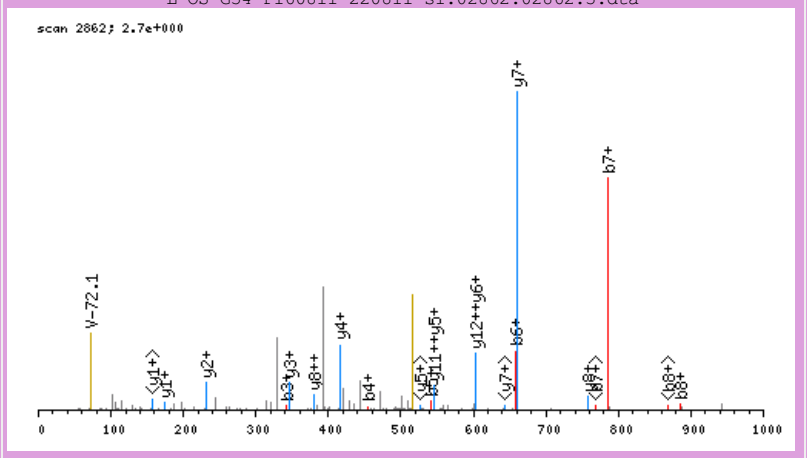
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
254.2505	2	K	16	1691.8929	846.4504
367.3345	3	I	15	1529.7348	765.3713
424.3560	4	G	14	1416.6508	708.8293
481.3775	5	G	13	1359.6293	680.3186
618.4364	6	H	12	1302.6079	651.8078
675.4578	7	G	11	1165.5489	**583.2784**
746.4949	8	A	10	1108.5275	554.7677
875.5375	9	E	9	1037.4904	**519.2491**
1038.6009	10	Y	8	908.4478	454.7278
1095.6223	11	G	7	745.3844	**373.1961**
1166.6594	12	A	6	688.3630	344.6854
1295.7020	13	E	5	**617.3259**	309.1668
1366.7392	14	A	4	**488.2833**	**244.6455**
1479.8232	15	L	3	**417.2462**	**209.1270**
1608.8658	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

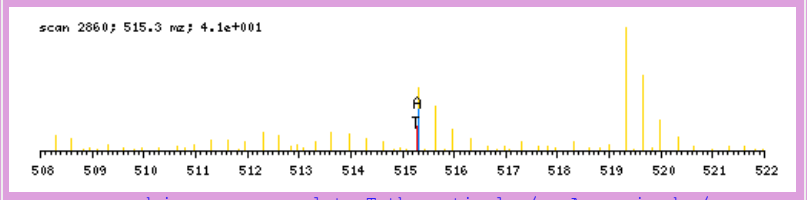
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GKVNSDEVGGEALGR, MH+ 1543.8080, m/z 515.2742
L OS G34 P160811 220811-s1.02862.02862.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



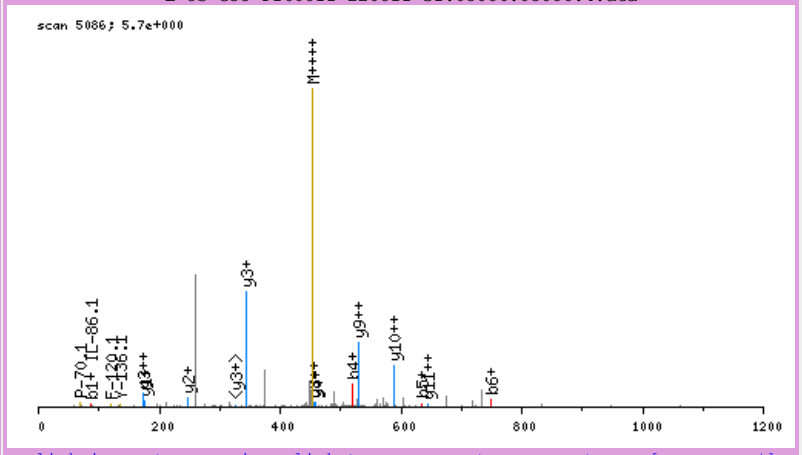
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
242.1869	2	K	14	1458.7553	729.8816
341.2553	3	V	13	1302.6290	651.8184
455.2982	4	N	12	1203.5606	**602.2842**
542.3302	5	S	11	1089.5176	**545.2627**
657.3572	6	D	10	1002.4856	501.7467
786.3998	7	E	9	887.4587	444.2332
885.4682	8	V	8	**758.4161**	**379.7120**
942.4896	9	G	7	**659.3477**	330.1777
999.5111	10	G	6	**602.3262**	301.6670
1128.5537	11	E	5	**545.3047**	273.1563
1199.5908	12	A	4	**416.2621**	208.6350
1312.6749	13	L	3	**345.2250**	173.1164
1369.6963	14	G	2	**232.1410**	116.5744
	15	R	1	**175.1195**	88.0637

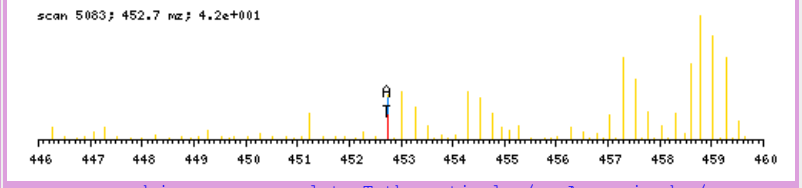
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GKYDLDFKSPDDPAR, MH+ 1807.9231, m/z 452.7362
L OS G35 P160811 220811-s1.05086.05086.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



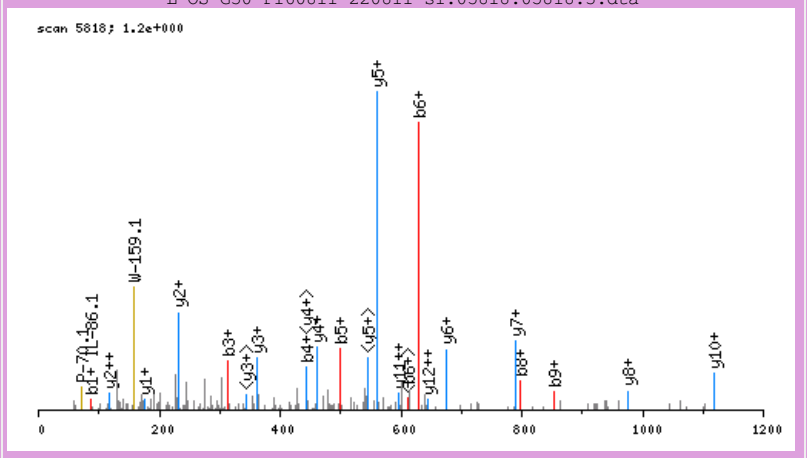
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**15**		
242.1869	**2**	**K**	**14**	1722.8703	861.9391
405.2502	**3**	**Y**	**13**	1566.7440	783.8759
520.2771	**4**	**D**	**12**	1403.6807	702.3443
633.3612	**5**	**L**	**11**	1288.6538	**644.8308**
748.3881	**6**	**D**	**10**	1175.5697	**588.2888**
895.4566	**7**	**F**	**9**	1060.5428	**530.7753**
1051.5829	**8**	**K**	**8**	913.4744	**457.2411**
1138.6149	**9**	**S**	**7**	757.3481	379.1779
1235.6676	**10**	**P**	**6**	670.3160	335.6619
1350.6946	**11**	**D**	**5**	573.2633	287.1355
1465.7215	**12**	**D**	**4**	**458.2363**	229.6221
1562.7743	**13**	**P**	**3**	**343.2094**	**172.1086**
1633.8114	**14**	**A**	**2**	**246.1566**	123.5822
	15	**R**	**1**	**175.1195**	88.0637

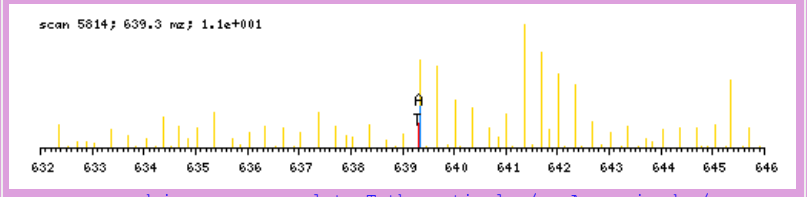
N-term:+29.04 K(2):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLDEGEPAGSWDLTVEGR, MH+ 1915.9037, m/z 639.3061
L OS G30 P160811 220811-s1.05818.05818.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



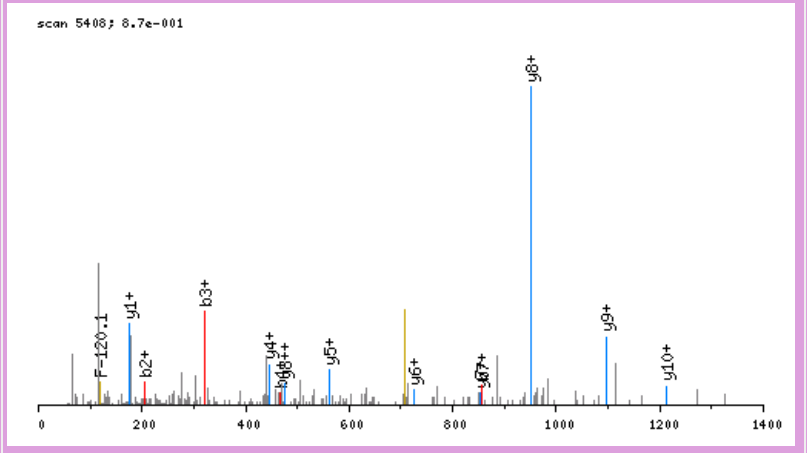
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**18**		
199.1446	**2**	**L**	**17**	1830.8510	915.9294
314.1716	**3**	**D**	**16**	1717.7669	859.3874
443.2142	**4**	**E**	**15**	1602.7400	801.8739
500.2356	**5**	**G**	**14**	1473.6974	737.3526
629.2782	**6**	**E**	**13**	1416.6759	708.8419
726.3310	**7**	**P**	**12**	1287.6333	**644.3206**
797.3681	**8**	**A**	**11**	1190.5806	**595.7942**
854.3896	**9**	**G**	**10**	**1119.5435**	560.2756
941.4216	**10**	**S**	**9**	1062.5220	531.7649
1127.5009	**11**	**W**	**8**	**975.4900**	488.2489
1242.5278	**12**	**D**	**7**	**789.4107**	395.2092
1355.6119	**13**	**L**	**6**	**674.3837**	337.6958
1456.6596	**14**	**T**	**5**	**561.2997**	281.1537
1555.7280	**15**	**V**	**4**	**460.2520**	230.6299
1684.7706	**16**	**E**	**3**	**361.1836**	181.0957
1741.7921	**17**	**G**	**2**	**232.1410**	**116.5744**
	18	**R**	**1**	**175.1195**	88.0637

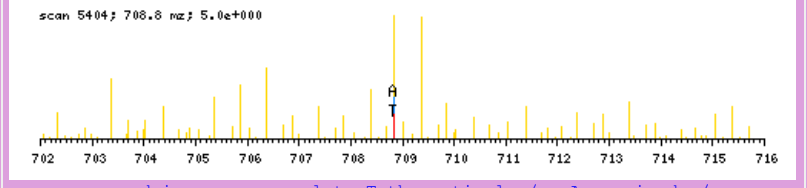
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLDFPEYDGVDR, MH+ 1416.6859, m/z 708.8466
H OS G30 P160811 220811-s1.05408.05408.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



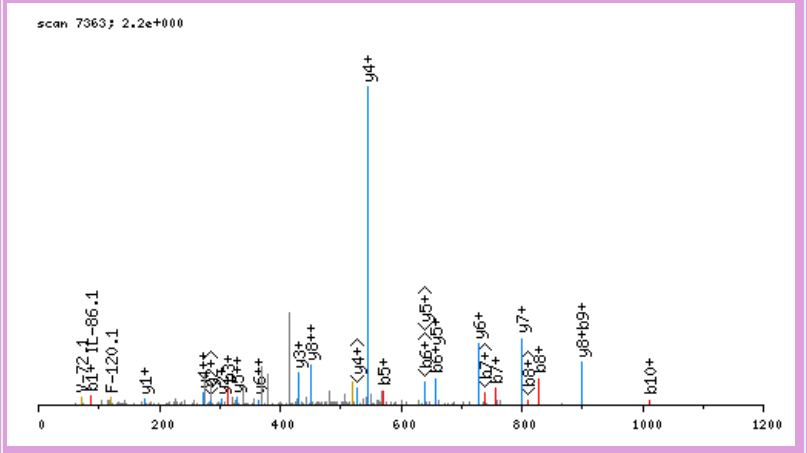
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
205.1764	2	L	11	1325.6014	663.3046
320.2034	3	D	10	**1212.5173**	606.7626
467.2718	4	F	9	**1097.4904**	549.2491
564.3245	5	P	8	**950.4220**	**475.7149**
693.3671	6	E	7	**853.3692**	427.1885
856.4305	7	Y	6	**724.3266**	362.6672
971.4574	8	D	5	**561.2633**	281.1355
1028.4789	9	G	4	**446.2363**	223.6221
1127.5473	10	V	3	389.2149	195.1113
1242.5742	11	D	2	290.1464	145.5771
	12	R	1	**175.1195**	88.0637

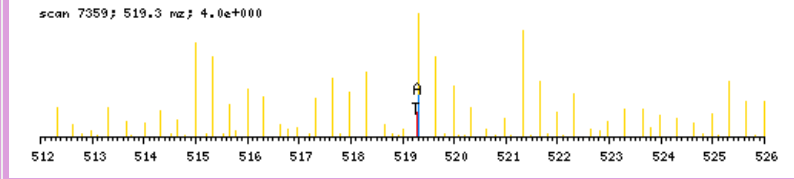
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLDPCSVAAILQQR, MH+ 1555.8266, m/z 519.2804
L OS G30 P160811 220811-s1.07363.07363.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



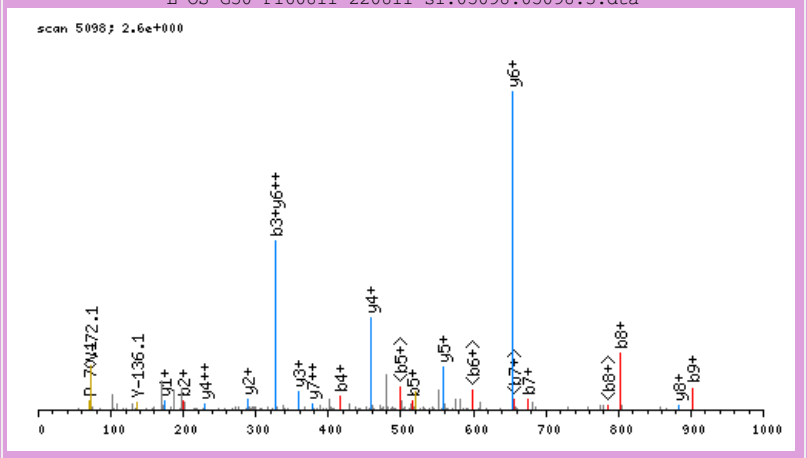
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
199.1446	2	L	13	1470.7738	735.8908
314.1716	3	D	12	1357.6898	679.3488
411.2243	4	P	11	1242.6628	621.8353
571.2549	5	C	10	1145.6101	573.3089
658.2870	6	S	9	985.5795	493.2936
757.3554	7	V	8	898.5474	449.7776
828.3925	8	A	7	799.4790	400.2434
899.4296	9	A	6	728.4419	364.7249
1012.5137	10	I	5	657.4048	329.2063
1125.5977	11	L	4	544.3207	272.6643
1253.6563	12	Q	3	431.2367	216.1222
1381.7149	13	Q	2	303.1781	152.0930
	14	R	1	175.1195	88.0637

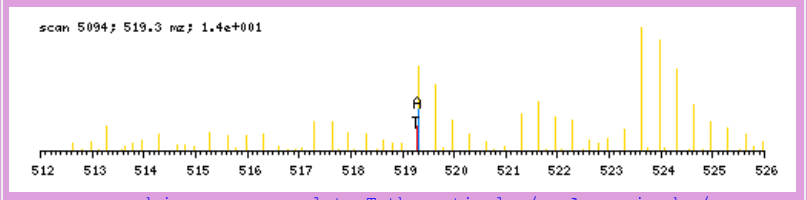
N-term:+29.04 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLESTTGEVPVVAIR, MH+ 1555.8695, m/z 519.2947
L OS G30 P160811 220811-s1.05098.05098.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



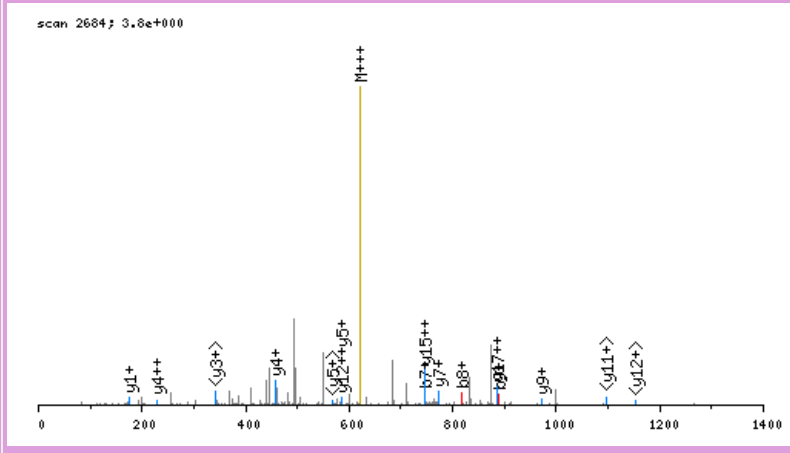
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
199.1446	2	L	14	1470.8168	735.9123
328.1872	3	E	13	1357.7327	679.3703
415.2192	4	S	12	1228.6901	614.8490
516.2669	5	T	11	1141.6581	571.3330
617.3146	6	T	10	1040.6104	520.8091
674.3361	7	G	9	939.5627	470.2853
803.3787	8	E	8	**882.5413**	441.7746
902.4471	9	V	7	753.4987	**377.2533**
999.4998	10	P	6	**654.4303**	**327.7190**
1098.5683	11	V	5	**557.3775**	279.1927
1197.6367	12	V	4	**458.3091**	**229.6585**
1268.6738	13	A	3	**359.2407**	180.1243
1381.7578	14	I	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

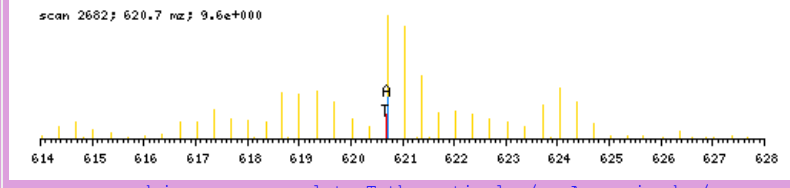
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLKPPEGAAAEGEEPPSR, MH+ 1860.0139, m/z 620.6762
H OS G33 P160811 220811-s1.02684.02684.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



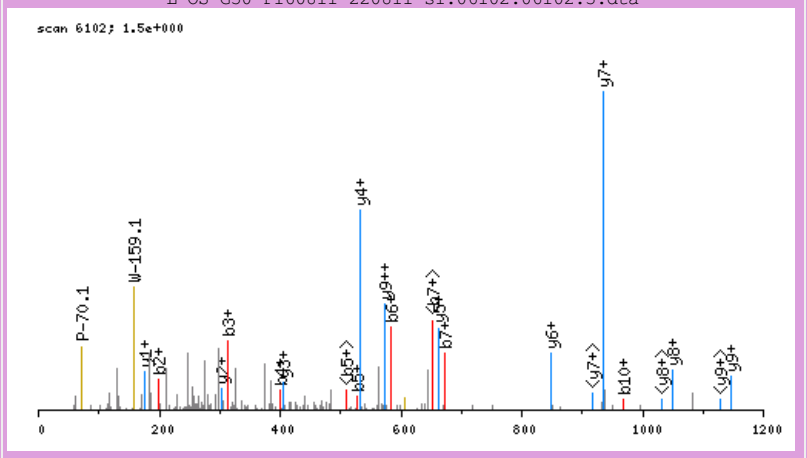
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	18		
205.1764	2	L	17	1768.9294	**884.9686**
367.3345	3	K	16	1655.8453	828.4266
464.3873	4	P	15	1493.6872	**747.3475**
561.4401	5	P	14	1396.6345	698.8211
690.4826	6	E	13	1299.5817	650.2948
747.5041	7	G	12	1170.5391	**585.7735**
818.5412	8	A	11	1113.5176	557.2627
889.5783	9	A	10	1042.4805	521.7442
960.6155	10	A	9	**971.4434**	486.2256
1089.6580	11	E	8	900.4063	450.7071
1146.6795	12	G	7	**771.3637**	386.1858
1275.7221	13	E	6	714.3422	357.6750
1404.7647	14	E	5	**585.2997**	293.1537
1501.8175	15	P	4	**456.2571**	**228.6324**
1598.8702	16	P	3	359.2043	180.1061
1685.9023	17	S	2	262.1515	131.5797
	18	R	1	**175.1195**	88.0637

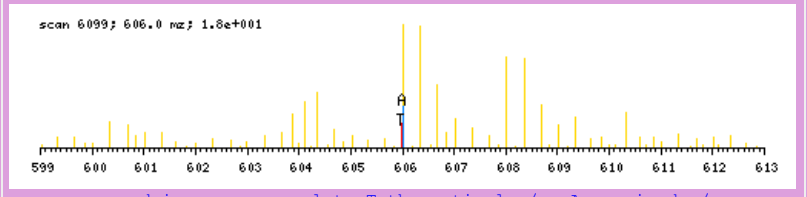
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLLSQGSPLSWEETQR, MH+ 1815.9241, m/z 605.9795
L OS G30 P160811 220811-s1.06102.06102.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



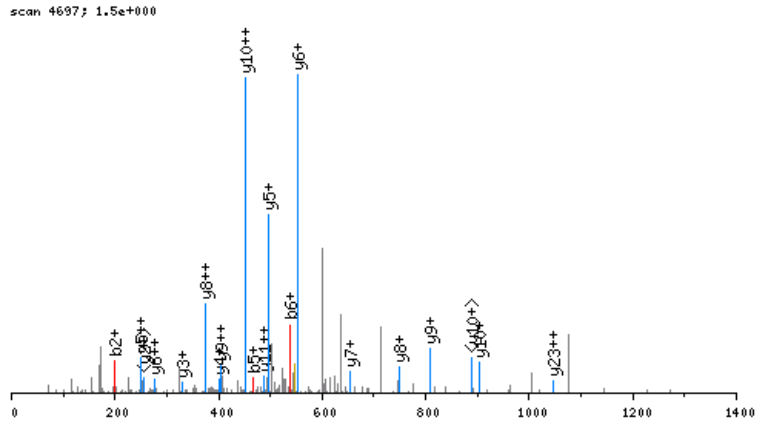
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
199.1446	2	L	15	1730.8713	865.9396
312.2287	3	L	14	1617.7873	809.3975
399.2607	4	S	13	1504.7032	752.8555
527.3193	5	Q	12	1417.6712	709.3395
584.3408	6	G	11	1289.6126	645.3102
671.3728	7	S	10	1232.5911	616.7995
768.4256	8	P	9	**1145.5591**	**573.2835**
881.5096	9	L	8	**1048.5063**	524.7571
968.5416	10	S	7	**935.4223**	468.2151
1154.6210	11	W	6	**848.3903**	424.6990
1283.6636	12	E	5	**662.3109**	331.6594
1412.7061	13	E	4	**533.2683**	267.1381
1513.7538	14	T	3	**404.2258**	202.6168
1641.8124	15	Q	2	**303.1781**	152.0930
	16	R	1	**175.1195**	88.0637

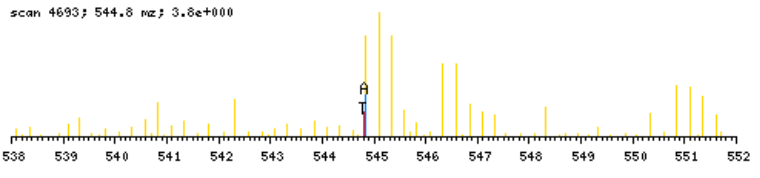
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLPGLAGLHGDQGAPGPVGPAGPR, MH+ 2176.1627, m/z 544.7961
L OS G32 P160811 220811-s1.04697.04697.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



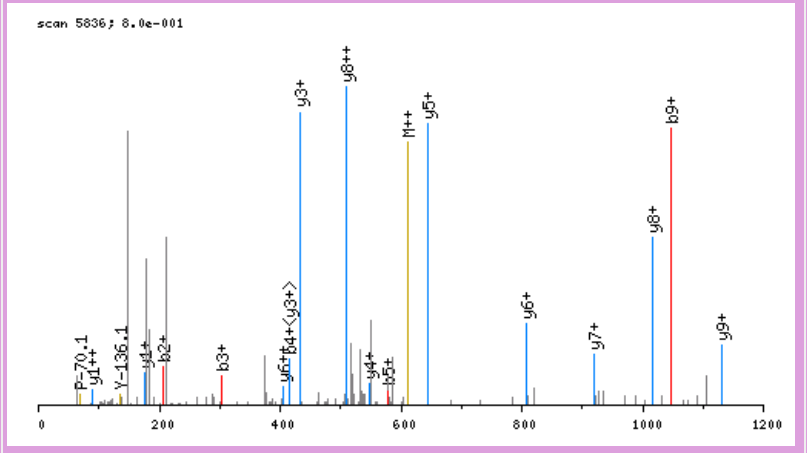
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	24		
199.1446	2	L	23	2091.1099	**1046.0589**
296.1974	3	P	22	1978.0259	989.5169
353.2189	4	G	21	1880.9731	940.9905
466.3029	5	L	20	1823.9517	912.4797
537.3400	6	A	19	1710.8676	855.9377
594.3615	7	G	18	1639.8305	820.4192
707.4456	8	L	17	1582.8090	791.9084
844.5045	9	H	16	1469.7249	735.3664
901.5259	10	G	15	1332.6660	666.8369
1016.5529	11	D	14	1275.6446	638.3262
1144.6115	12	Q	13	1160.6176	580.8127
1201.6329	13	G	12	1032.5591	516.7834
1272.6700	14	A	11	975.5376	**488.2727**
1369.7228	15	P	10	**904.5005**	**452.7542**
1426.7443	16	G	9	**807.4477**	**404.2278**
1523.7970	17	P	8	**750.4262**	**375.7170**
1622.8654	18	V	7	**653.3735**	327.1907
1679.8869	19	G	6	**554.3051**	**277.6564**
1776.9397	20	P	5	**497.2836**	**249.1457**
1847.9768	21	A	4	**400.2308**	200.6193
1904.9982	22	G	3	**329.1937**	165.1008
2002.0510	23	P	2	272.1723	136.5900
	24	R	1	175.1195	88.0637

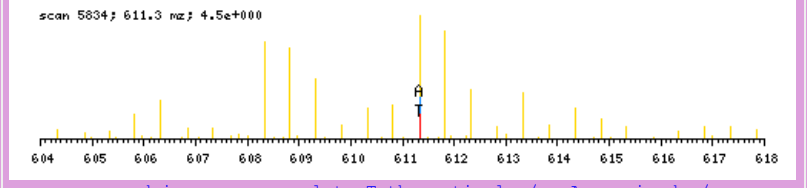
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLPLYPDPCR, MH+ 1221.6513, m/z 611.3293
H OS G31 P160811 220811-s1.05836.05836.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



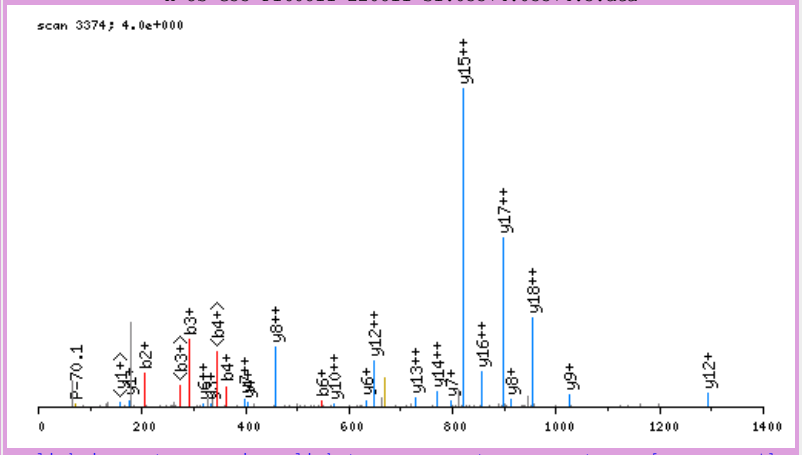
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
205.1764	2	L	9	1130.5668	565.7873
302.2292	3	P	8	1017.4827	509.2453
415.3133	4	L	7	920.4300	460.7189
578.3766	5	Y	6	807.3459	404.1769
675.4293	6	P	5	644.2826	322.6452
790.4563	7	D	4	547.2298	274.1188
887.5091	8	P	3	432.2029	216.6053
1047.5397	9	C	2	335.1501	168.0790
	10	R	1	175.1195	88.0637

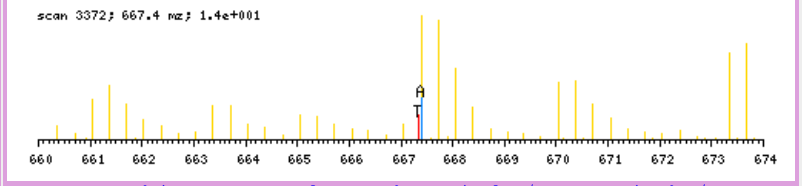
N-term:+35.07 C(9):+160.03

GLSAPSCPGLDDKTEASAR, MH+ 2000.0394, m/z 667.3513
H OS G33 P160811 220811-s1.03374.03374.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



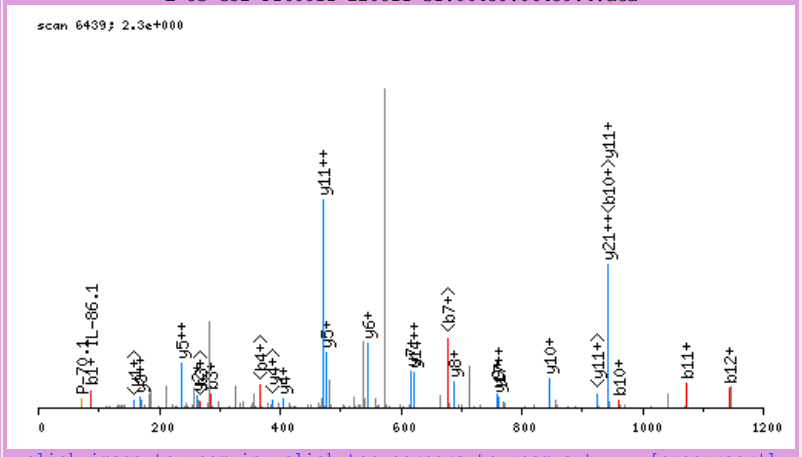
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
205.1764	2	L	18	1908.9549	**954.9814**
292.2085	3	S	17	1795.8708	**898.4393**
363.2456	4	A	16	1708.8388	**854.9233**
460.2983	5	P	15	1637.8017	**819.4048**
547.3304	6	S	14	1540.7489	**770.8784**
707.3610	7	C	13	1453.7169	**727.3624**
804.4137	8	P	12	**1293.6863**	**647.3471**
861.4352	9	G	11	1196.6335	598.8207
974.5193	10	L	10	1139.6121	**570.3100**
1089.5462	11	D	9	**1026.5280**	513.7679
1204.5731	12	D	8	**911.5011**	**456.2544**
1366.7312	13	K	7	**796.4741**	**398.7410**
1467.7789	14	T	6	**634.3160**	**317.6619**
1596.8215	15	E	5	533.2683	267.1381
1667.8586	16	A	4	**404.2258**	202.6168
1754.8907	17	S	3	**333.1886**	167.0982
1825.9278	18	A	2	246.1566	123.5822
	19	R	1	**175.1195**	88.0637

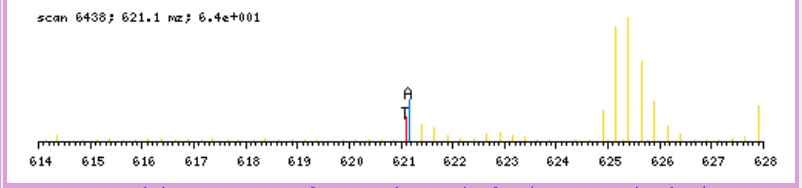
N-term:+35.07 C(7):+160.03
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GLSVPNVHGALAPLAIPSAAAAAAASR, MH+ 2481.3941, m/z 621.1040
L OS G32 P160811 220811-s1.06439.06439.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



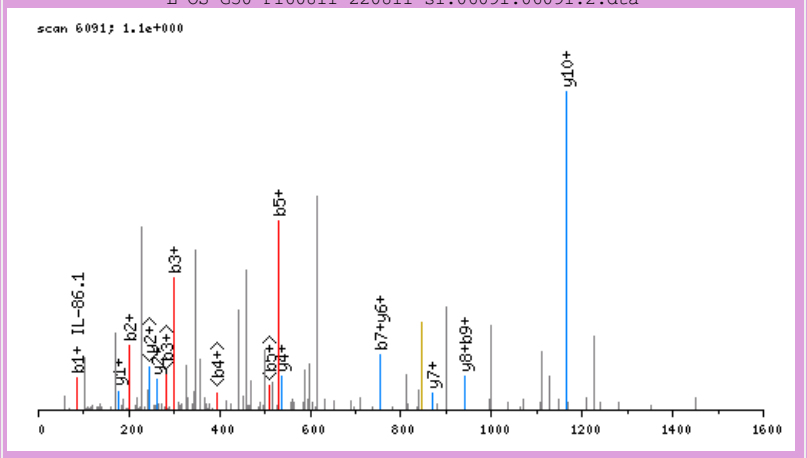
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**27**		
199.1446	**2**	**L**	**26**	2396.3414	1198.6746
286.1767	**3**	**S**	**25**	2283.2573	1142.1326
385.2451	**4**	**V**	**24**	2196.2253	1098.6166
482.2978	**5**	**P**	**23**	2097.1569	1049.0824
596.3408	**6**	**N**	**22**	2000.1041	1000.5560
695.4092	**7**	**V**	**21**	1886.0612	**943.5345**
832.4681	**8**	**H**	**20**	1786.9928	894.0003
889.4896	**9**	**G**	**19**	1649.9339	825.4709
960.5267	**10**	**A**	**18**	1592.9124	796.9601
1073.6107	**11**	**L**	**17**	1521.8753	**761.4416**
1144.6478	**12**	**A**	**16**	1408.7912	704.8995
1241.7006	**13**	**P**	**15**	1337.7541	669.3810
1354.7847	**14**	**L**	**14**	1240.7014	**620.8546**
1425.8218	**15**	**A**	**13**	1127.6173	564.3126
1538.9058	**16**	**I**	**12**	1056.5802	528.7940
1635.9586	**17**	**P**	**11**	**943.4961**	**472.2520**
1722.9906	**18**	**S**	**10**	**846.4434**	423.7256
1794.0278	**19**	**A**	**9**	**759.4113**	380.2096
1865.0649	**20**	**A**	**8**	**688.3742**	344.6910
1936.1020	**21**	**A**	**7**	**617.3371**	309.1725
2007.1391	**22**	**A**	**6**	**546.3000**	273.6539
2078.1762	**23**	**A**	**5**	**475.2629**	**238.1353**
2149.2133	**24**	**A**	**4**	**404.2258**	202.6168
2220.2504	**25**	**A**	**3**	333.1886	**167.0982**
2307.2825	**26**	**S**	**2**	**262.1515**	131.5797
	27	**R**	**1**	175.1195	88.0637

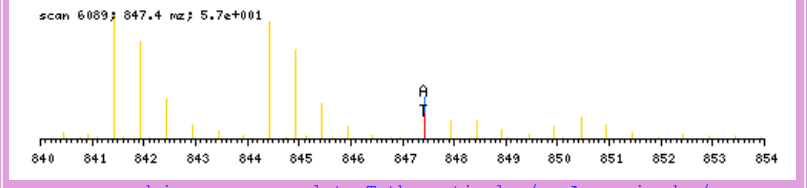
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLTLDPEADSEYLSR, MH+ 1693.8284, m/z 847.4179
L OS G30 P160811 220811-s1.06091.06091.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



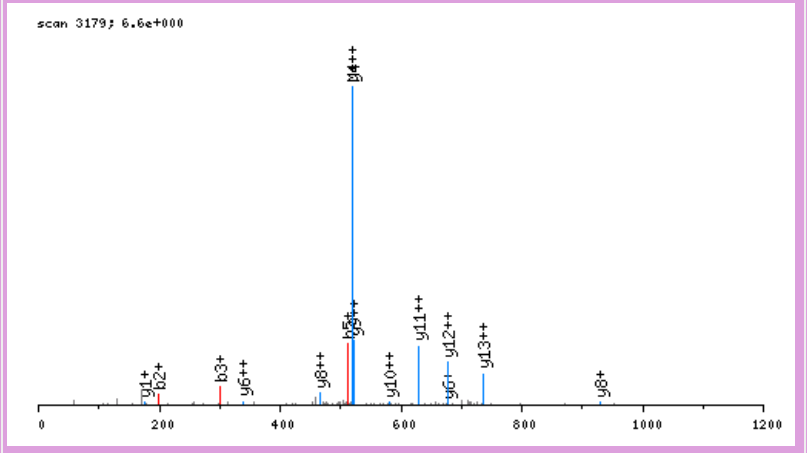
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
199.1446	2	L	14	1608.7757	804.8918
300.1923	3	T	13	1495.6916	748.3497
413.2764	4	L	12	1394.6440	697.8259
528.3033	5	D	11	1281.5599	641.2839
625.3561	6	P	10	1166.5330	583.7704
754.3987	7	E	9	1069.4802	535.2440
825.4358	8	A	8	940.4376	470.7227
940.4627	9	D	7	869.4005	435.2042
1027.4948	10	S	6	754.3735	377.6907
1156.5373	11	E	5	667.3415	334.1747
1319.6007	12	Y	4	538.2989	269.6534
1432.6847	13	L	3	375.2356	188.1217
1519.7168	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

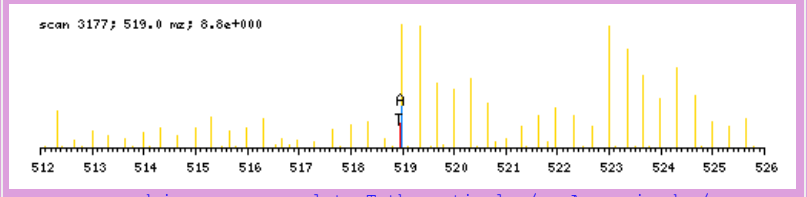
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GLTPDLPKSASQER, MH+ 1554.8492, m/z 518.9546
L OS G33 P160811 220811-s1.03179.03179.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



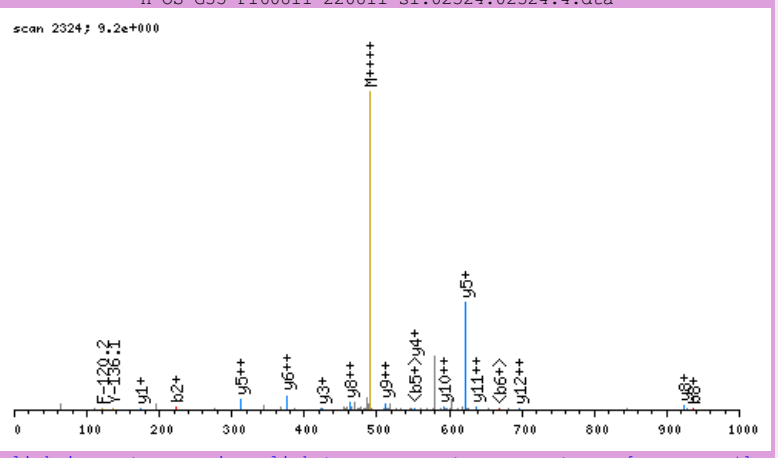
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
199.1446	2	L	13	1469.7964	**735.4021**
300.1923	3	T	12	1356.7124	**678.8601**
397.2451	4	P	11	1255.6647	**628.3363**
512.2720	5	D	10	1158.6119	**579.8099**
625.3561	6	L	9	1043.5850	**522.2964**
722.4088	7	P	8	**930.5009**	**465.7544**
878.5351	8	K	7	833.4481	417.2280
965.5672	9	S	6	**677.3218**	**339.1648**
1036.6043	10	A	5	590.2898	295.6488
1123.6363	11	S	4	**519.2527**	260.1303
1251.6949	12	Q	3	432.2207	216.6142
1380.7375	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

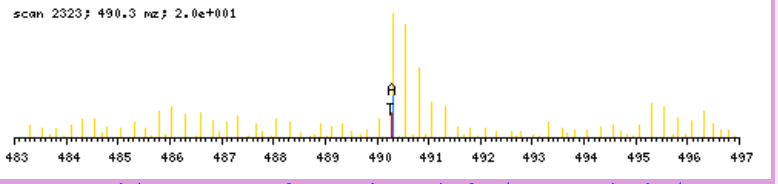
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GMGQKDSYVGDEAQSKR, MH+ 1958.0502, m/z 490.2680
H OS G35 P160811 220811-s1.02324.02324.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



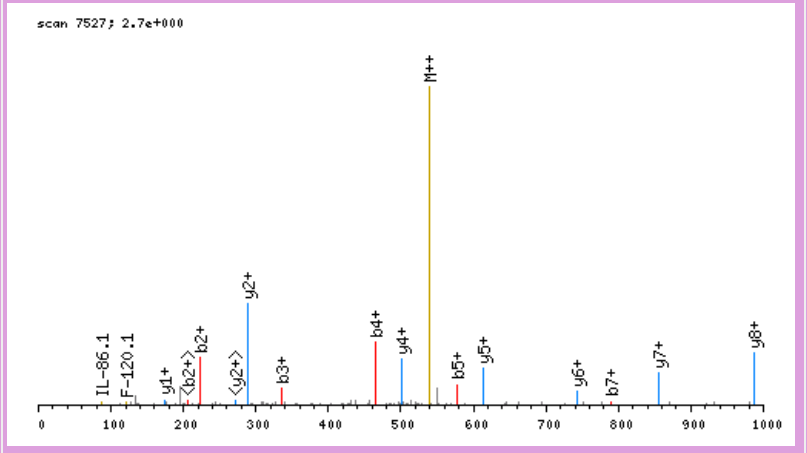
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
223.1328	2	M	16	1866.9657	933.9867
280.1543	3	G	15	1735.9252	868.4665
408.2129	4	Q	14	1678.9037	839.9558
570.3710	5	K	13	1550.8451	775.9265
685.3979	6	D	12	1388.6870	**694.8474**
772.4300	7	S	11	1273.6601	**637.3340**
935.4933	8	Y	10	1186.6281	**593.8179**
1034.5617	9	V	9	1023.5647	**512.2863**
1091.5832	10	G	8	**924.4963**	**462.7521**
1206.6101	11	D	7	867.4749	434.2413
1335.6527	12	E	6	752.4479	**376.7279**
1406.6898	13	A	5	**623.4053**	**312.2066**
1534.7484	14	Q	4	**552.3682**	276.6880
1621.7804	15	S	3	**424.3096**	212.6587
1783.9385	16	K	2	337.2776	169.1427
	17	R	1	**175.1195**	88.0637

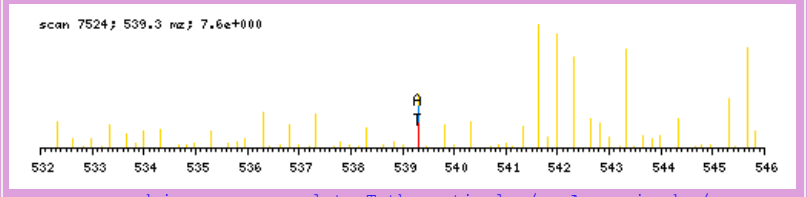
N-term:+35.07 K(5):+162.16
K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GMLEIPDLR, MH+ 1077.6190, m/z 539.3131
H OS G31 P160811 220811-s1.07527.07527.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



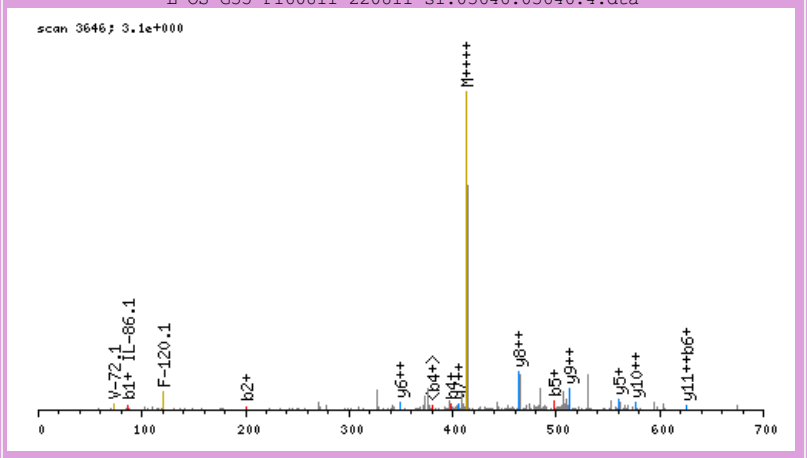
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	9		
223.1328	2	M	8	986.5345	493.7712
336.2169	3	L	7	855.4940	428.2509
465.2595	4	E	6	742.4099	371.7089
578.3436	5	I	5	613.3673	307.1876
675.3963	6	P	4	500.2833	250.6455
790.4233	7	D	3	403.2305	202.1192
903.5073	8	L	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

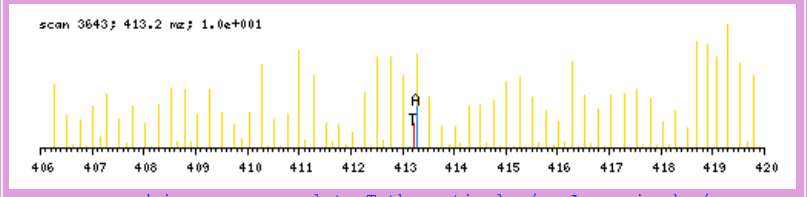
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GNPTVEVDLHTAKGR, MH+ 1649.8975, m/z 413.2298
L OS G35 P160811 220811-s1.03646.03646.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



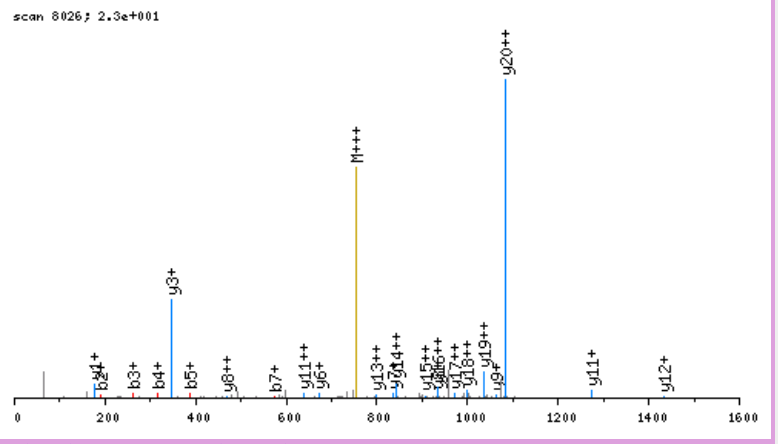
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**15**		
200.1035	**2**	**N**	**14**	1564.8448	782.9263
297.1563	**3**	**P**	**13**	1450.8018	725.9048
398.2039	**4**	**T**	**12**	1353.7491	677.3785
497.2723	**5**	**V**	**11**	1252.7014	**626.8546**
626.3149	**6**	**E**	**10**	1153.6330	**577.3204**
725.3834	**7**	**V**	**9**	1024.5904	**512.7991**
840.4103	**8**	**D**	**8**	925.5220	**463.2649**
953.4944	**9**	**L**	**7**	810.4950	**405.7514**
1090.5533	**10**	**H**	**6**	697.4110	**349.2094**
1191.6010	**11**	**T**	**5**	**560.3521**	280.6799
1262.6381	**12**	**A**	**4**	459.3044	230.1561
1418.7644	**13**	**K**	**3**	388.2673	194.6375
1475.7858	**14**	**G**	**2**	232.1410	116.5744
	15	**R**	**1**	175.1195	88.0637

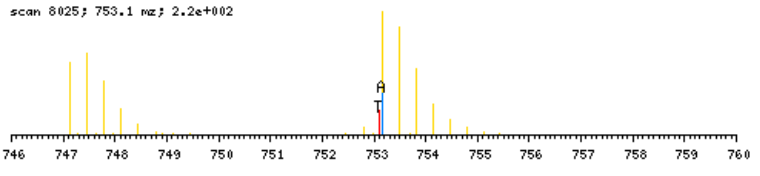
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GPAGAGESKCPLMVKVLDAVR, MH+ 2257.3261, m/z 753.1135
H OS G34 P160811 220811-s1.08026.08026.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



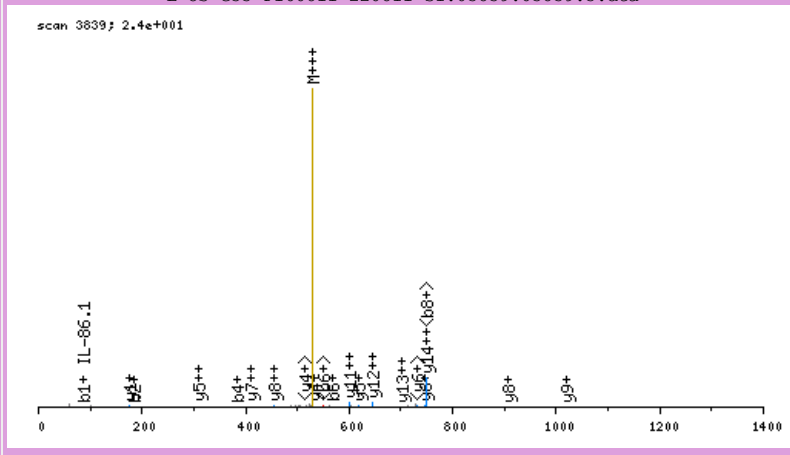
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	21		
189.1451	2	P	20	2166.2415	**1083.6247**
260.1822	3	A	19	2069.1888	**1035.0983**
317.2037	4	G	18	1998.1516	**999.5797**
388.2408	5	A	17	1941.1302	**971.0690**
445.2623	6	G	16	1870.0931	**935.5504**
574.3049	7	E	15	1813.0716	**907.0397**
661.3369	8	S	14	1684.0290	**842.5184**
823.4950	9	K	13	1596.9970	**799.0024**
983.5256	10	C	12	**1434.8389**	717.9234
1080.5784	11	P	11	**1274.8083**	**637.9081**
1193.6624	12	L	10	1177.7555	589.3817
1324.7029	13	M	9	**1064.6714**	532.8396
1423.7713	14	V	8	**933.6310**	**467.3194**
1585.9294	15	K	7	**834.5625**	417.7852
1684.9978	16	V	6	**672.4044**	336.7061
1798.0819	17	L	5	573.3360	287.1719
1913.1089	18	D	4	460.2520	230.6299
1984.1460	19	A	3	**345.2250**	173.1164
2083.2144	20	V	2	274.1879	137.5979
	21	R	1	**175.1195**	88.0637

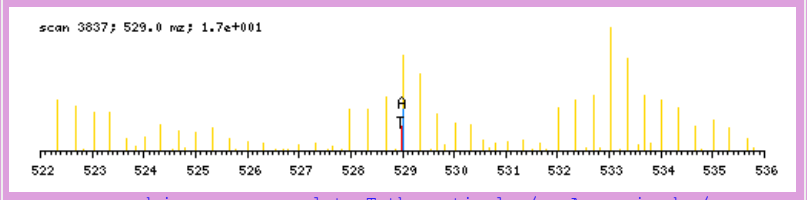
N-term:+35.07 K(9):+162.16
C(10):+160.03 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GPLSPSLSAESSLKR, MH+ 1584.8961, m/z 528.9702
L OS G33 P160811 220811-s1.03839.03839.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

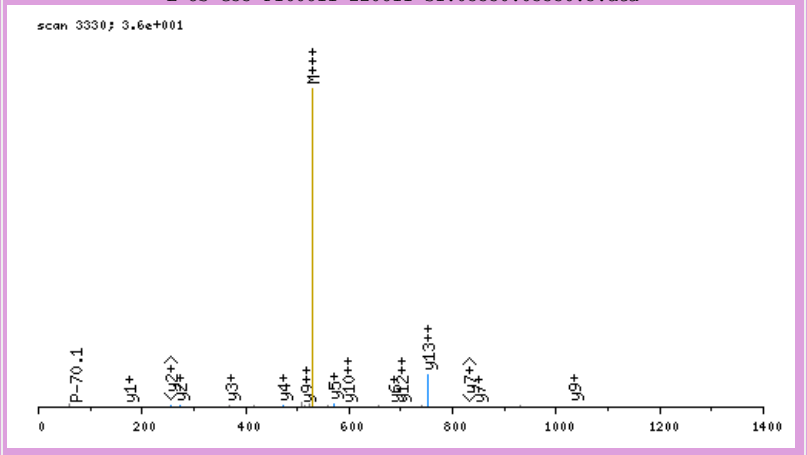


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

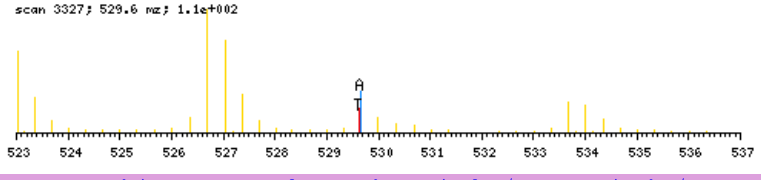
b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**15**		
183.1133	**2**	**P**	**14**	1499.8434	**750.4256**
296.1974	**3**	**L**	**13**	1402.7906	**701.8992**
383.2294	**4**	**S**	**12**	1289.7065	**645.3572**
480.2822	**5**	**P**	**11**	1202.6745	**601.8412**
567.3142	**6**	**S**	**10**	1105.6217	553.3148
680.3983	**7**	**L**	**9**	**1018.5897**	509.7988
767.4303	**8**	**S**	**8**	**905.5057**	**453.2567**
838.4674	**9**	**A**	**7**	818.4736	**409.7407**
967.5100	**10**	**E**	**6**	**747.4365**	374.2222
1054.5420	**11**	**S**	**5**	**618.3939**	**309.7009**
1141.5741	**12**	**S**	**4**	**531.3619**	266.1849
1254.6581	**13**	**L**	**3**	444.3299	222.6688
1410.7844	**14**	**K**	**2**	331.2458	166.1268
	15	**R**	**1**	**175.1195**	88.0637

N-term:+29.04 K(14):+156.13

GPNVKGEYDVTVPR, MH+ 1586.8542, m/z 529.6229
L OS G33 P160811 220811-s1.03330.03330.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

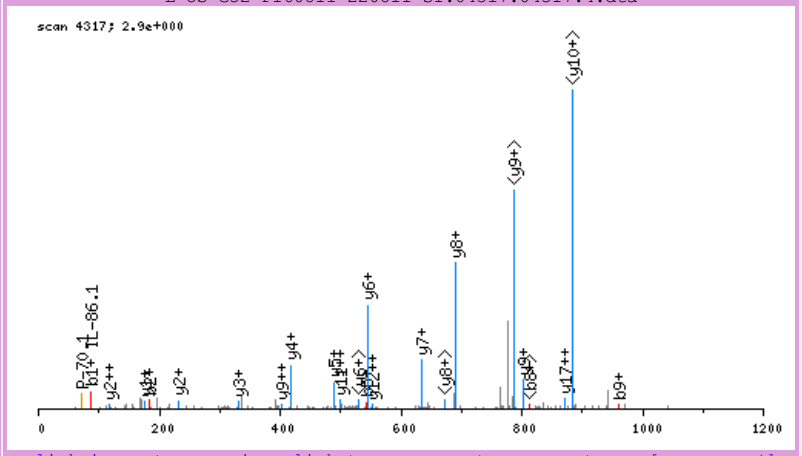
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
183.1133	2	P	13	1501.8015	**751.4047**
297.1563	3	N	12	1404.7487	**702.8783**
396.2247	4	V	11	1290.7058	645.8568
552.3510	5	K	10	1191.6374	**596.3226**
609.3724	6	G	9	**1035.5111**	**518.2595**
738.4150	7	E	8	978.4896	489.7487
901.4784	8	Y	7	**849.4470**	425.2274
1016.5053	9	D	6	**686.3837**	343.6958
1115.5737	10	V	5	**571.3568**	286.1823
1216.6214	11	T	4	**472.2884**	236.6481
1315.6898	12	V	3	**371.2407**	186.1243
1412.7426	13	P	2	**272.1723**	136.5900
	14	R	1	**175.1195**	88.0637

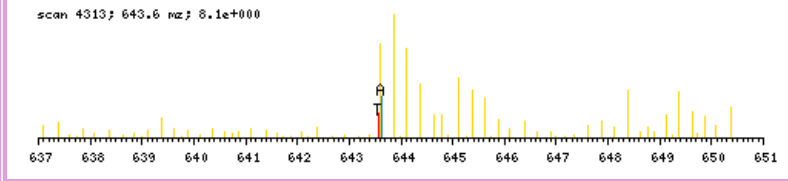
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GPPDFSSDEEREPTPVLGSGASVGR, MH+ 2571.2327, m/z 643.5636
L OS G32 P160811 220811-s1.04317.04317.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



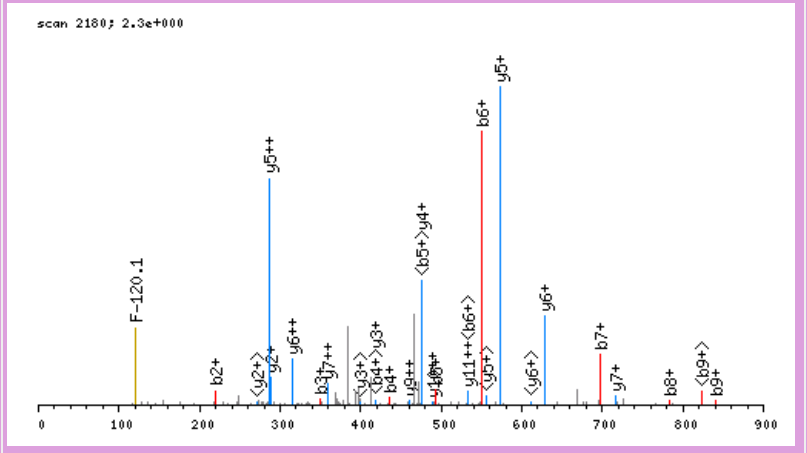
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**25**		
183.1133	**2**	**P**	**24**	2486.1799	1243.5939
280.1661	**3**	**P**	**23**	2389.1272	1195.0675
395.1930	**4**	**D**	**22**	2292.0744	1146.5411
542.2614	**5**	**F**	**21**	2177.0475	1089.0276
629.2935	**6**	**S**	**20**	2029.9791	1015.4934
716.3255	**7**	**S**	**19**	1942.9470	971.9774
831.3524	**8**	**D**	**18**	1855.9150	928.4614
960.3950	**9**	**E**	**17**	1740.8881	**870.9479**
1089.4376	**10**	**E**	**16**	1611.8455	806.4266
1245.5387	**11**	**R**	**15**	1482.8029	741.9053
1374.5813	**12**	**E**	**14**	1326.7018	663.8548
1471.6341	**13**	**P**	**13**	1197.6592	599.3335
1572.6818	**14**	**T**	**12**	1100.6064	**550.8071**
1669.7345	**15**	**P**	**11**	999.5587	**500.2833**
1768.8030	**16**	**V**	**10**	902.5060	451.7569
1881.8870	**17**	**L**	**9**	**803.4375**	**402.2227**
1938.9085	**18**	**G**	**8**	**690.3535**	345.6807
2025.9405	**19**	**S**	**7**	**633.3320**	317.1699
2082.9620	**20**	**G**	**6**	**546.3000**	273.6539
2153.9991	**21**	**A**	**5**	**489.2785**	245.1432
2241.0311	**22**	**S**	**4**	**418.2414**	209.6246
2340.0995	**23**	**V**	**3**	**331.2094**	166.1086
2397.1210	**24**	**G**	**2**	**232.1410**	**116.5744**
	25	**R**	**1**	**175.1195**	88.0637

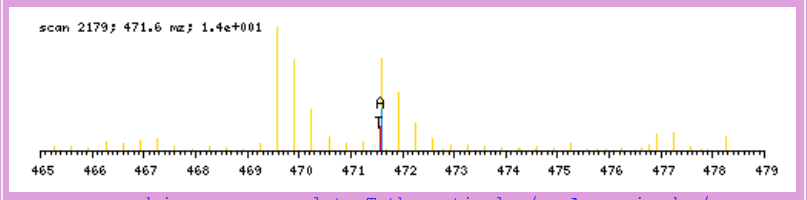
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQESGGFSGPGENR, MH+ 1412.6618, m/z 471.5588
H OS G31 P160811 220811-s1.02180.02180.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



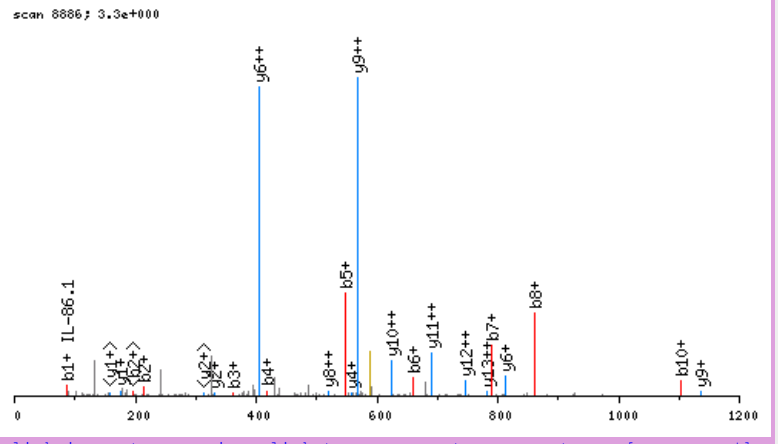
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
220.1509	2	Q	13	1321.5773	661.2926
349.1935	3	E	12	1193.5187	597.2633
436.2256	4	S	11	1064.4761	532.7420
493.2470	5	G	10	977.4441	489.2260
550.2685	6	G	9	920.4226	460.7152
697.3369	7	F	8	863.4012	432.2045
784.3689	8	S	7	716.3327	358.6703
841.3904	9	G	6	629.3007	315.1543
938.4432	10	P	5	572.2792	286.6435
995.4646	11	G	4	475.2265	238.1172
1124.5072	12	E	3	418.2050	209.6064
1238.5501	13	N	2	289.1624	145.0851
	14	R	1	175.1195	88.0637

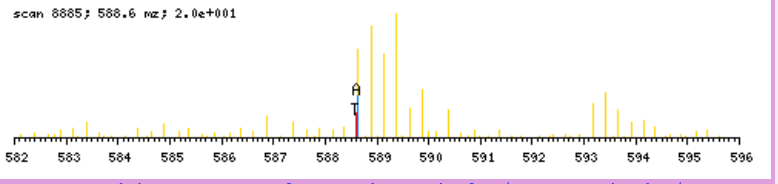
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQFGEIEAIELPIDPKLNKR, MH+ 2351.3339, m/z 588.5889
L OS G34 P160811 220811-s1.08886.08886.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



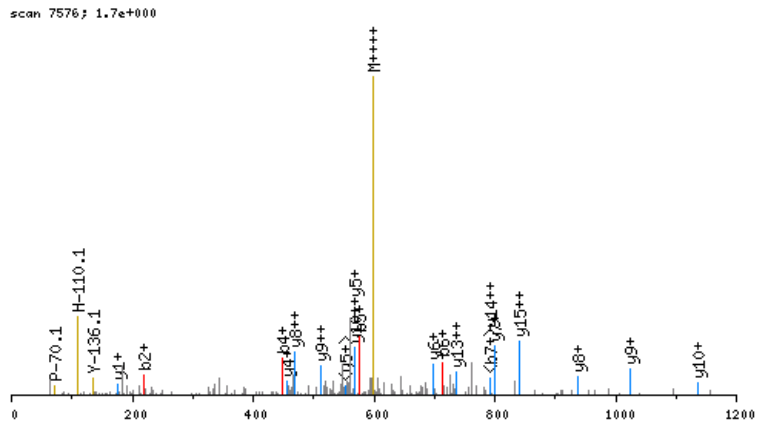
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
214.1191	2	Q	19	2266.2812	1133.6445
361.1876	3	F	18	2138.2226	1069.6152
418.2090	4	G	17	1991.1542	996.0810
547.2516	5	E	16	1934.1327	967.5703
660.3357	6	I	15	1805.0901	903.0490
789.3783	7	E	14	1692.0061	846.5069
860.4154	8	A	13	1562.9635	**781.9856**
973.4994	9	I	12	1491.9263	**746.4671**
1102.5420	10	E	11	1378.8423	**689.9251**
1215.6261	11	L	10	1249.7997	**625.4038**
1312.6789	12	P	9	**1136.7156**	**568.8617**
1425.7629	13	I	8	1039.6629	**520.3353**
1540.7899	14	D	7	926.5788	463.7933
1637.8426	15	P	6	**811.5519**	**406.2798**
1793.9689	16	K	5	714.4991	357.7535
1907.0530	17	L	4	**558.3728**	279.6903
2021.0959	18	N	3	445.2887	223.1483
2177.2222	19	K	2	**331.2458**	166.1268
	20	R	1	**175.1195**	88.0637

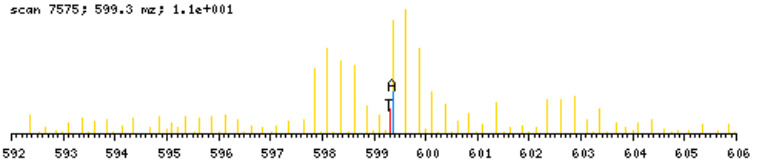
N-term:+29.04 K(16):+156.13
K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GQLDQHPIDGYLSHTELAPLR, MH+ 2394.2630, m/z 599.3212
H OS G34 P160811 220811-s1.07576.07576.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



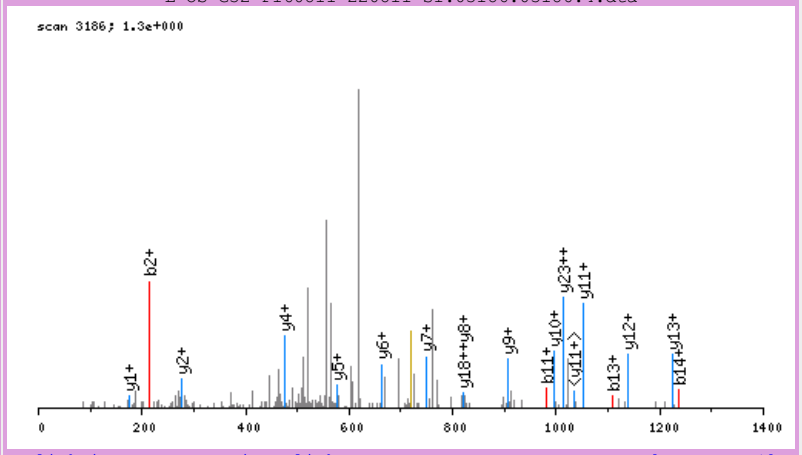
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	21		
220.1509	2	Q	20	2303.1784	1152.0931
333.2350	3	L	19	2175.1198	1088.0638
448.2619	4	D	18	2062.0358	1031.5218
576.3205	5	Q	17	1947.0088	974.0083
713.3794	6	H	16	1818.9503	909.9790
810.4322	7	P	15	1681.8913	**841.4496**
923.5163	8	I	14	1584.8386	**792.9232**
1038.5432	9	D	13	1471.7545	**736.3812**
1095.5647	10	G	12	1356.7276	678.8677
1258.6280	11	Y	11	1299.7061	650.3570
1371.7121	12	L	10	**1136.6428**	**568.8253**
1458.7441	13	S	9	**1023.5587**	**512.2833**
1595.8030	14	H	8	**936.5267**	**468.7673**
1696.8507	15	T	7	**799.4678**	400.2378
1825.8933	16	E	6	**698.4201**	349.7140
1938.9773	17	L	5	**569.3775**	285.1927
2010.0145	18	A	4	**456.2934**	228.6506
2107.0672	19	P	3	385.2563	193.1321
2220.1513	20	L	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

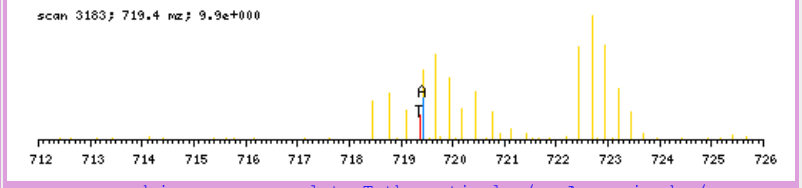
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQPADKAAGGAGAQVGGSISSGSSASSVTVTR, MH+ 2874.4557, m/z 719.3694
L OS G32 P160811 220811-s1.03186.03186.4.dta



click image to zoom in; click top corners to zoom out [precursor]



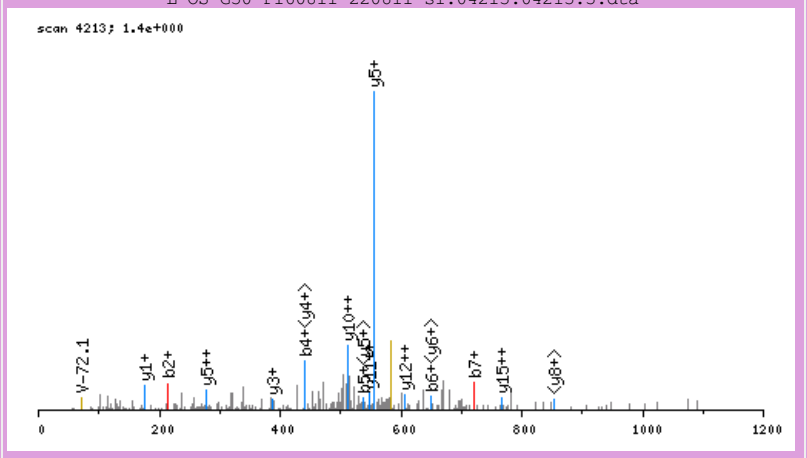
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	32		
214.1191	2	Q	31	2789.4030	1395.2054
311.1719	3	P	30	2661.3444	1331.1761
382.2090	4	A	29	2564.2916	1282.6497
497.2360	5	D	28	2493.2545	1247.1312
653.3623	6	K	27	2378.2276	1189.6177
724.3994	7	A	26	2222.1013	1111.5546
795.4365	8	A	25	2151.0642	1076.0360
852.4580	9	G	24	2080.0271	1040.5174
909.4794	10	G	23	2023.0056	**1012.0067**
980.5165	11	A	22	1965.9841	983.4960
1037.5380	12	G	21	1894.9470	947.9774
1108.5751	13	A	20	1837.9256	919.4667
1236.6337	14	Q	19	1766.8884	883.9481
1335.7021	15	V	18	1638.8299	**819.9188**
1392.7236	16	G	17	1539.7615	770.3846
1449.7450	17	G	16	1482.7400	741.8739
1536.7771	18	S	15	1425.7185	713.3632
1649.8611	19	I	14	1338.6865	669.8472
1736.8931	20	S	13	**1225.6024**	613.3051
1823.9252	21	S	12	**1138.5704**	569.7891
1880.9466	22	G	11	**1051.5384**	526.2731
1967.9787	23	S	10	**994.5169**	497.7624
2055.0107	24	S	9	**907.4849**	454.2464
2126.0478	25	A	8	**820.4529**	410.7303
2213.0798	26	S	7	**749.4157**	375.2118
2300.1119	27	S	6	**662.3837**	331.6958
2399.1803	28	V	5	**575.3517**	288.1798
2500.2280	29	T	4	**476.2833**	238.6455
2599.2964	30	V	3	375.2356	188.1217
2700.3441	31	T	2	**276.1672**	138.5875
	32	R	1	**175.1195**	88.0637

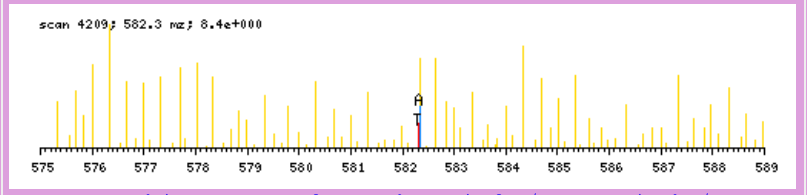
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQPEPLAPGTTLPAPDR, MH+ 1744.9233, m/z 582.3126
L OS G30 P160811 220811-s1.04213.04213.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



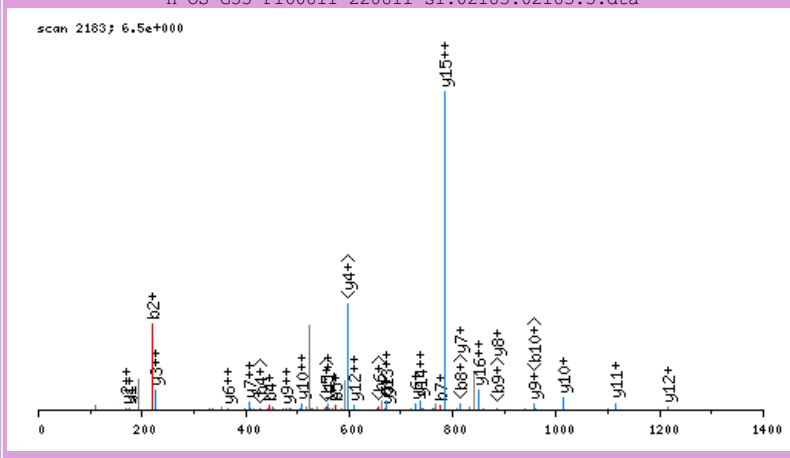
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
214.1191	2	Q	16	1659.8706	830.4392
311.1719	3	P	15	1531.8120	**766.4099**
440.2145	4	E	14	1434.7593	717.8835
537.2673	5	P	13	1305.7167	653.3623
650.3513	6	L	12	1208.6639	**604.8359**
721.3884	7	A	11	1095.5798	**548.2938**
818.4412	8	P	10	1024.5427	**512.7753**
875.4627	9	G	9	927.4900	464.2489
976.5103	10	T	8	870.4685	435.7382
1077.5580	11	T	7	769.4208	385.2143
1190.6421	12	L	6	668.3731	334.6905
1287.6949	13	P	5	**555.2891**	**278.1485**
1358.7320	14	A	4	458.2363	229.6221
1455.7847	15	P	3	**387.1992**	194.1035
1570.8117	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

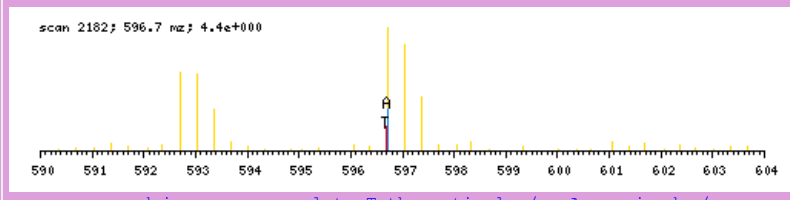
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQPQQTTGAASGGYIKR, MH+ 1788.0040, m/z 596.6729
H OS G33 P160811 220811-s1.02183.02183.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



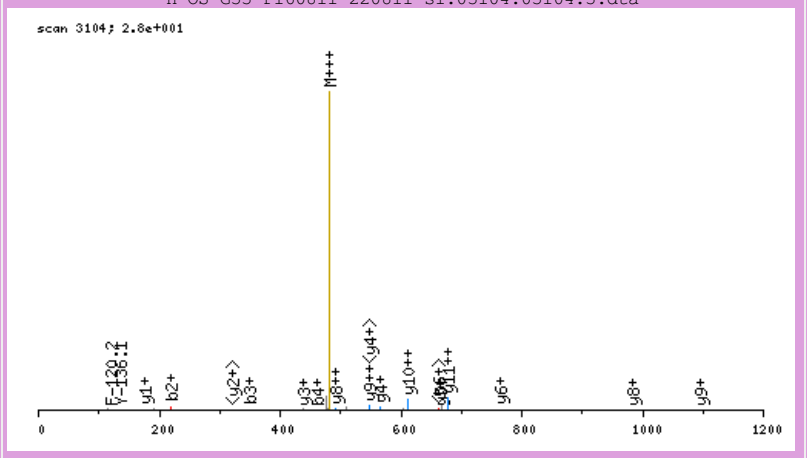
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
220.1509	2	Q	16	1696.9195	**848.9637**
317.2037	3	P	15	1568.8609	**784.9344**
445.2623	4	Q	14	1471.8082	**736.4080**
573.3209	5	Q	13	1343.7496	**672.3787**
674.3685	6	T	12	**1215.6910**	**608.3494**
775.4162	7	T	11	**1114.6433**	**557.8256**
832.4377	8	G	10	**1013.5956**	**507.3017**
903.4748	9	A	9	**956.5742**	**478.7910**
974.5119	10	A	8	**885.5371**	443.2724
1061.5439	11	S	7	**814.4999**	**407.7539**
1118.5654	12	G	6	**727.4679**	**364.2379**
1175.5869	13	G	5	**670.4465**	335.7271
1338.6502	14	Y	4	613.4250	307.2164
1451.7343	15	I	3	450.3617	**225.6847**
1613.8924	16	K	2	337.2776	**169.1427**
	17	R	1	**175.1195**	88.0637

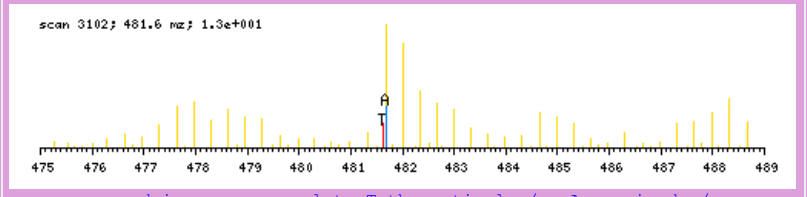
N-term:+35.07 K(16):+162.16

GQQIGKVVQVYR, MH+ 1442.9120, m/z 481.6422
H OS G33 P160811 220811-s1.03104.03104.3.dta

X-range: 0 - 0
MassTol: **Y-zoom:** 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



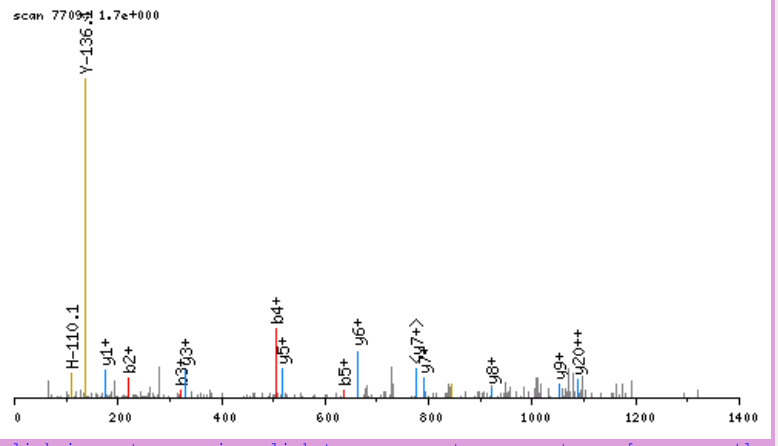
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
220.1509	2	Q	11	1351.8274	676.4176
348.2095	3	Q	10	1223.7689	612.3883
461.2936	4	I	9	1095.7103	548.3591
518.3150	5	G	8	982.6262	491.8170
680.4731	6	K	7	925.6047	463.3063
779.5416	7	V	6	763.4466	382.2272
878.6100	8	V	5	664.3782	332.6930
1006.6686	9	Q	4	565.3098	283.1588
1105.7370	10	V	3	437.2512	219.1295
1268.8003	11	Y	2	338.1828	169.5953
	12	R	1	175.1195	88.0637

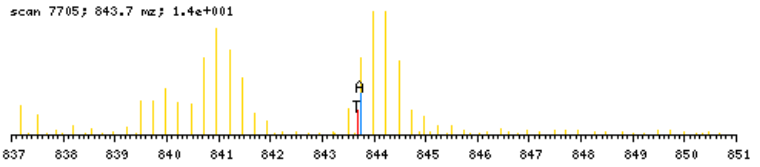
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQTWQEGDKVIRPGVSQAGEEMEQFGQGVR, MH+ 3371.7079, m/z 843.6824
H OS G34 P160811 220811-s1.07709.07709.4.dta



click image to zoom in; click top corners to zoom out [precursor]



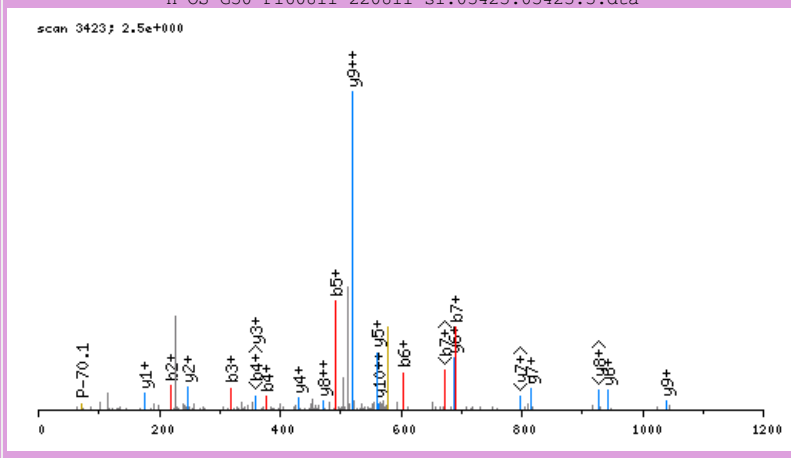
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	30		
220.1509	2	Q	29	3280.6233	1640.8156
321.1986	3	T	28	3152.5648	1576.7863
507.2779	4	W	27	3051.5171	1526.2625
635.3365	5	Q	26	2865.4378	1433.2228
764.3791	6	E	25	2737.3792	1369.1935
821.4006	7	G	24	2608.3366	1304.6722
936.4275	8	D	23	2551.3151	1276.1615
1098.5856	9	K	22	2436.2882	1218.6480
1197.6540	10	V	21	2274.1301	1137.5690
1310.7381	11	I	20	2175.0617	1088.0348
1466.8392	12	R	19	2061.9776	1031.4927
1563.8920	13	P	18	1905.8765	953.4422
1620.9134	14	G	17	1808.8237	904.9158
1719.9818	15	V	16	1751.8023	876.4050
1807.0139	16	S	15	1652.7339	826.8708
1935.0724	17	Q	14	1565.7018	783.3548
2006.1096	18	A	13	1437.6433	719.3255
2063.1310	19	G	12	1366.6061	683.8070
2192.1736	20	E	11	1309.5847	655.2963
2321.2162	21	E	10	1180.5421	590.7750
2452.2567	22	M	9	1051.4995	526.2537
2581.2993	23	E	8	920.4590	460.7334
2709.3579	24	Q	7	791.4164	396.2121
2856.4263	25	F	6	663.3578	332.1828
2913.4477	26	G	5	516.2894	258.6486
3041.5063	27	Q	4	459.2680	230.1379
3098.5278	28	G	3	331.2094	166.1086
3197.5962	29	V	2	274.1879	137.5979
	30	R	1	175.1195	88.0637

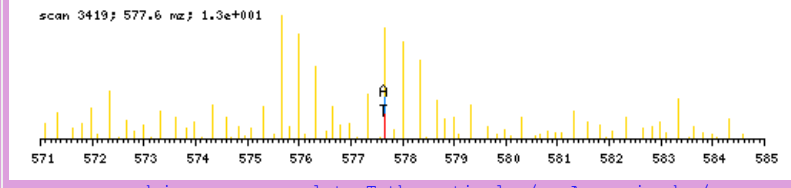
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQVGDLSPQQQEALAR, MH+ 1730.9249, m/z 577.6465
H OS G30 P160811 220811-s1.03423.03423.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



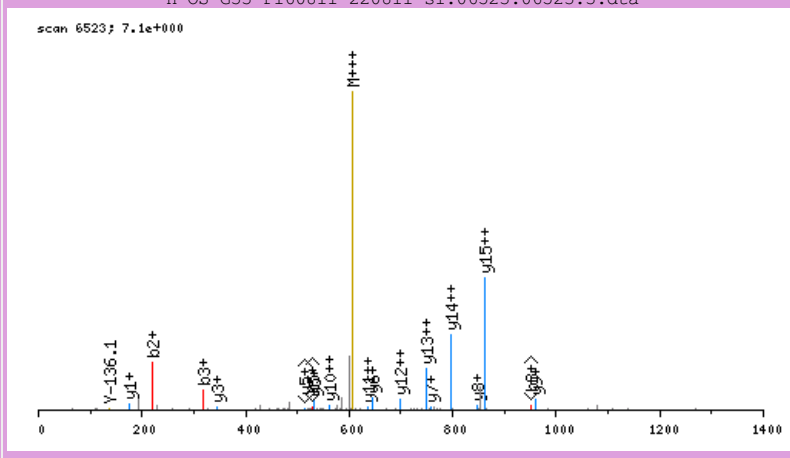
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
220.1509	2	Q	15	1639.8404	820.4241
319.2194	3	V	14	1511.7818	756.3948
376.2408	4	G	13	1412.7134	706.8606
491.2678	5	D	12	1355.6919	678.3499
604.3518	6	L	11	1240.6650	620.8364
691.3839	7	S	10	1127.5809	**564.2944**
788.4366	8	P	9	**1040.5489**	**520.7784**
916.4952	9	Q	8	**943.4961**	**472.2520**
1044.5538	10	Q	7	**815.4375**	408.2227
1172.6124	11	Q	6	**687.3790**	344.1934
1301.6549	12	E	5	**559.3204**	280.1641
1372.6921	13	A	4	**430.2778**	215.6428
1485.7761	14	L	3	**359.2407**	180.1243
1556.8132	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

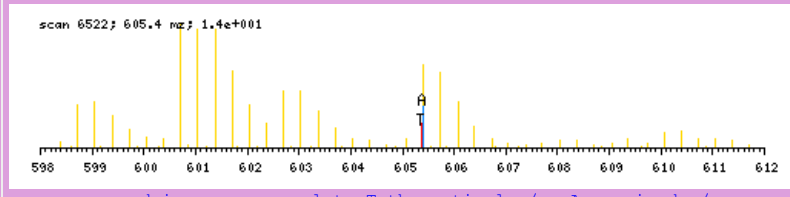
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GQVVQFKLSDIGEGIR, MH+ 1814.0812, m/z 605.3653
H OS G33 P160811 220811-s1.06523.06523.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



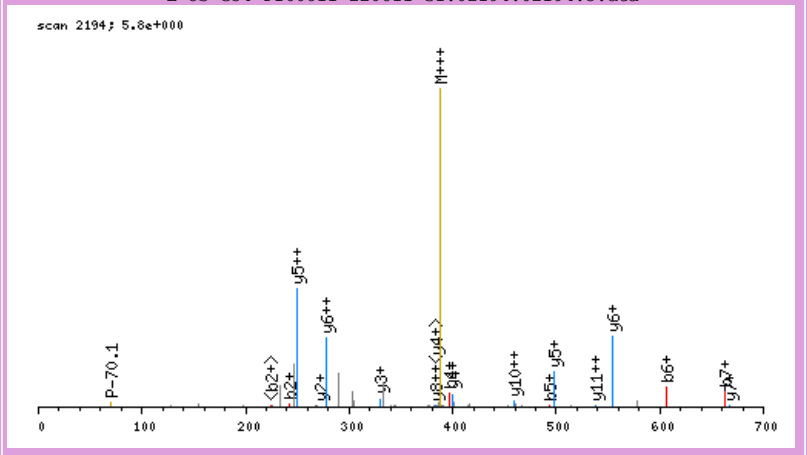
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
220.1509	2	Q	15	1722.9967	**862.0023**
319.2194	3	V	14	1594.9381	**797.9730**
418.2878	4	V	13	1495.8697	**748.4388**
546.3463	5	Q	12	1396.8013	**698.9046**
693.4148	6	F	11	1268.7427	**634.8753**
855.5729	7	K	10	1121.6743	**561.3411**
968.6569	8	L	9	**959.5162**	480.2620
1055.6890	9	S	8	**846.4321**	423.7200
1170.7159	10	D	7	**759.4001**	380.2040
1283.8000	11	I	6	**644.3731**	322.6905
1340.8214	12	G	5	**531.2891**	266.1485
1469.8640	13	E	4	474.2676	237.6377
1526.8855	14	G	3	**345.2250**	173.1164
1639.9695	15	I	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

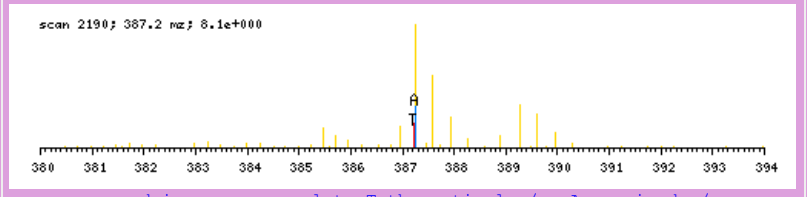
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GRPGPIGPAGPR, MH+ 1159.6700, m/z 387.2282
L OS G34 P160811 220811-s1.02194.02194.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



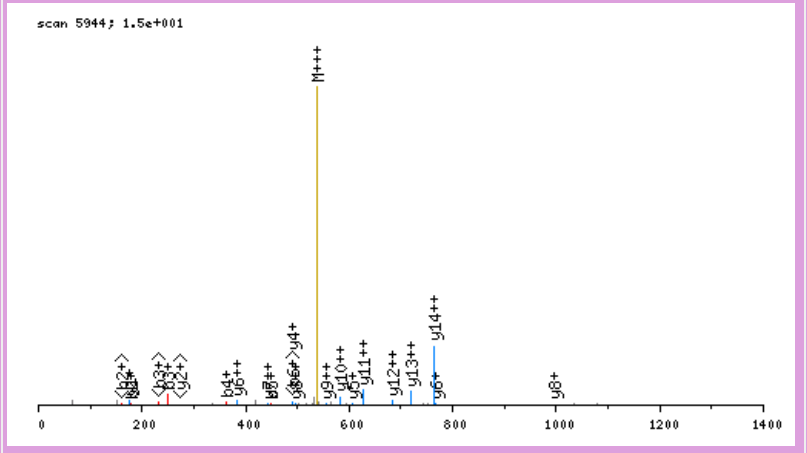
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
242.1617	2	R	11	1074.6172	**537.8125**
339.2144	3	P	10	918.5161	**459.7620**
396.2359	4	G	9	821.4634	411.2356
493.2887	5	P	8	764.4419	**382.7249**
606.3727	6	I	7	**667.3891**	334.1985
663.3942	7	G	6	**554.3051**	**277.6564**
760.4470	8	P	5	**497.2836**	**249.1457**
831.4841	9	A	4	**400.2308**	200.6193
888.5055	10	G	3	**329.1937**	165.1008
985.5583	11	P	2	**272.1723**	136.5900
	12	R	1	175.1195	88.0637

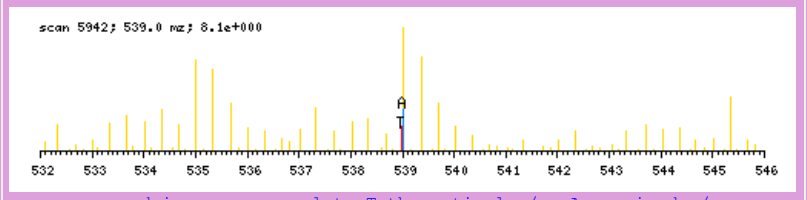
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSALSGILDKDLSDR, MH+ 1614.9339, m/z 538.9828
H OS G33 P160811 220811-s1.05944.05944.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



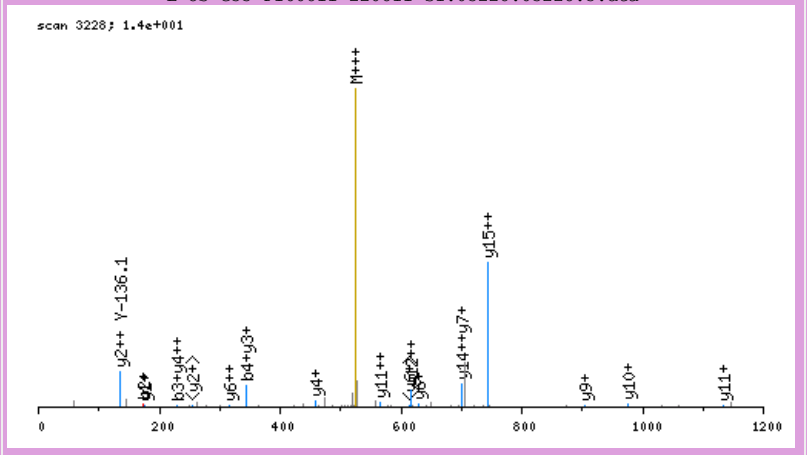
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
179.1244	2	S	14	1523.8493	**762.4286**
250.1615	3	A	13	1436.8173	**718.9126**
363.2456	4	L	12	1365.7802	**683.3940**
450.2776	5	S	11	1252.6961	**626.8520**
507.2991	6	G	10	1165.6641	**583.3360**
620.3831	7	I	9	1108.6427	**554.8252**
733.4672	8	L	8	**995.5586**	**498.2832**
848.4941	9	D	7	882.4745	**441.7412**
1010.6522	10	K	6	**767.4476**	**384.2277**
1125.6792	11	D	5	**605.2895**	303.1487
1238.7632	12	L	4	**490.2625**	245.6352
1325.7953	13	S	3	377.1785	189.0931
1440.8222	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

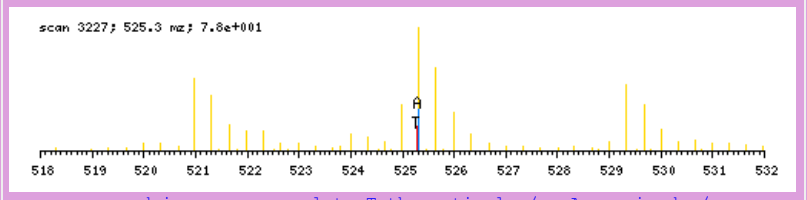
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSGLVKAGFAGDDAPR, MH+ 1573.8338, m/z 525.2828
L OS G33 P160811 220811-s1.03228.03228.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



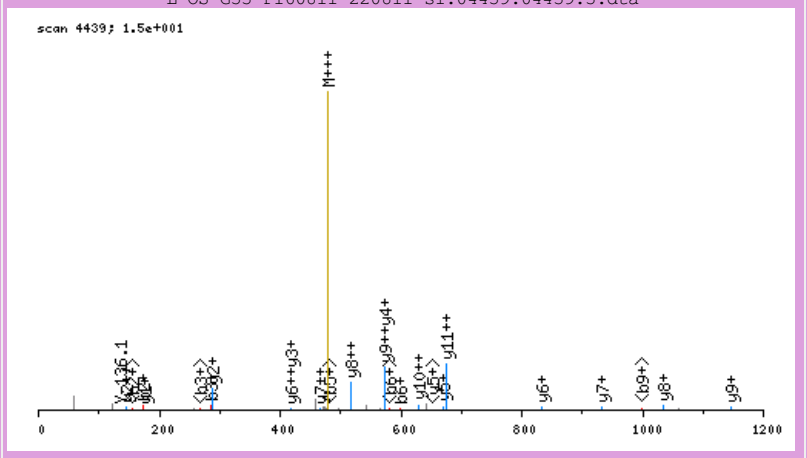
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
173.0926	2	S	15	1488.7811	**744.8945**
230.1141	3	G	14	1401.7491	**701.3785**
343.1981	4	L	13	1344.7276	672.8677
442.2665	5	V	12	1231.6435	**616.3257**
598.3928	6	K	11	**1132.5751**	**566.7915**
669.4299	7	A	10	**976.4488**	488.7283
726.4514	8	G	9	**905.4117**	453.2098
873.5198	9	F	8	848.3903	424.6990
944.5569	10	A	7	**701.3218**	351.1648
1001.5784	11	G	6	**630.2847**	**315.6463**
1116.6053	12	D	5	573.2633	287.1355
1231.6323	13	D	4	**458.2363**	**229.6221**
1302.6694	14	A	3	**343.2094**	172.1086
1399.7222	15	P	2	272.1723	**136.5900**
	16	R	1	**175.1195**	88.0637

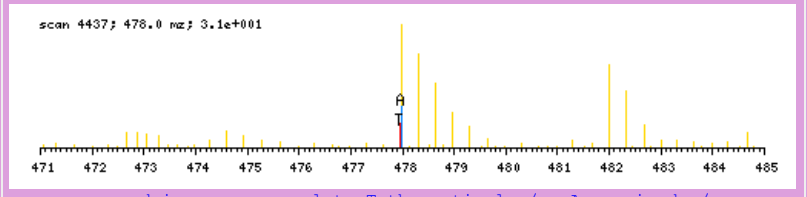
N-term:+29.04 K(6):+156.13

GSIITVYPKEIR, MH+ 1431.8575, m/z 477.9574
L OS G33 P160811 220811-s1.04439.04439.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



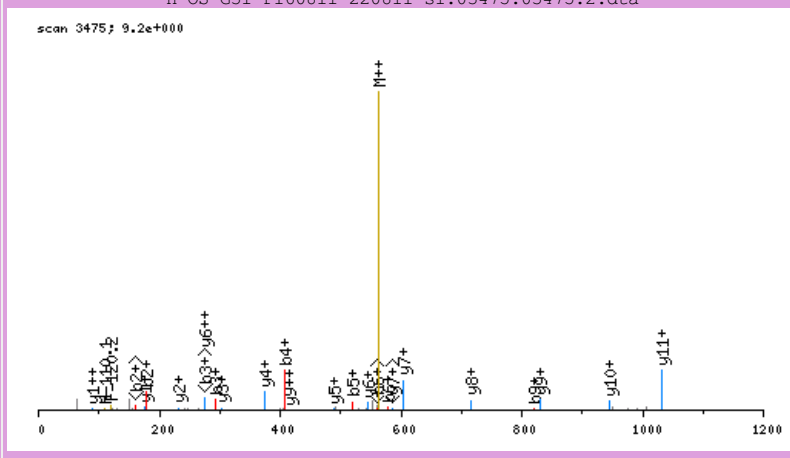
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
173.0926	2	S	11	1346.8048	**673.9063**
286.1767	3	I	10	1259.7728	**630.3903**
399.2607	4	I	9	**1146.6887**	**573.8483**
500.3084	5	T	8	**1033.6046**	**517.3062**
599.3768	6	V	7	**932.5570**	**466.7824**
762.4401	7	Y	6	**833.4886**	**417.2482**
859.4929	8	P	5	**670.4252**	335.7165
1015.6192	9	K	4	**573.3725**	287.1901
1144.6618	10	E	3	**417.2462**	209.1270
1257.7459	11	I	2	**288.2036**	**144.6057**
	12	R	1	**175.1195**	88.0637

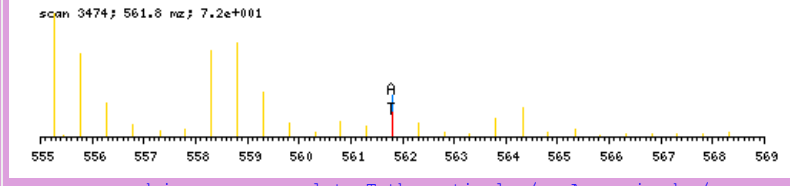
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSLDLGGDAAGR, MH+ 1122.5967, m/z 561.8020
H_OS_G31_P160811_220811-s1.03475.03475.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



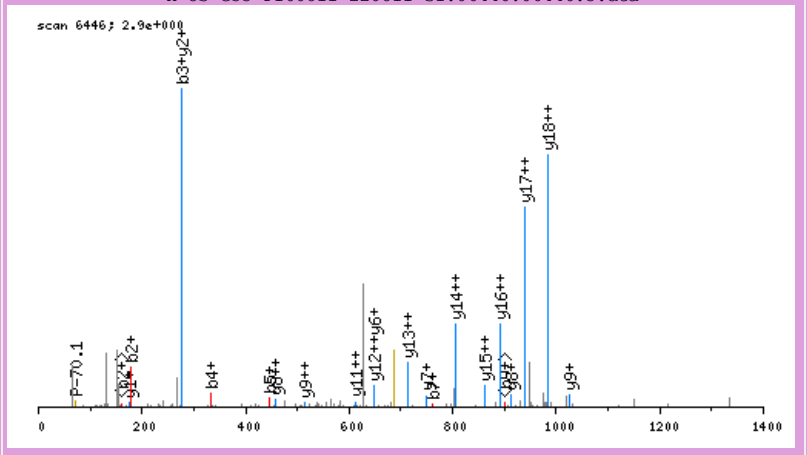
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
179.1244	2	S	11	**1031.5122**	516.2600
292.2085	3	L	10	**944.4801**	472.7440
407.2354	4	D	9	**831.3961**	**416.2019**
520.3195	5	L	8	**716.3691**	358.6885
577.3409	6	G	7	**603.2851**	302.1464
634.3624	7	G	6	**546.2636**	**273.6357**
749.3893	8	D	5	**489.2421**	245.1250
820.4264	9	A	4	**374.2152**	187.6115
891.4636	10	A	3	**303.1781**	152.0930
948.4850	11	G	2	**232.1410**	116.5744
	12	R	1	**175.1195**	**88.0637**

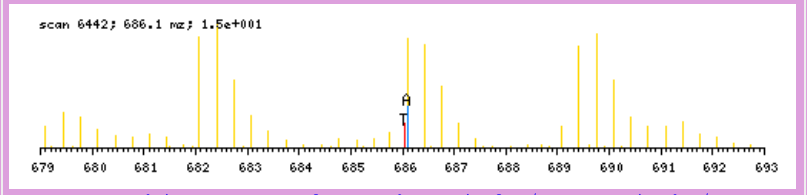
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSPGLWEASILKTGAEDTR, MH+ 2056.1351, m/z 686.0499
H OS G33 P160811 220811-s1.06446.06446.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



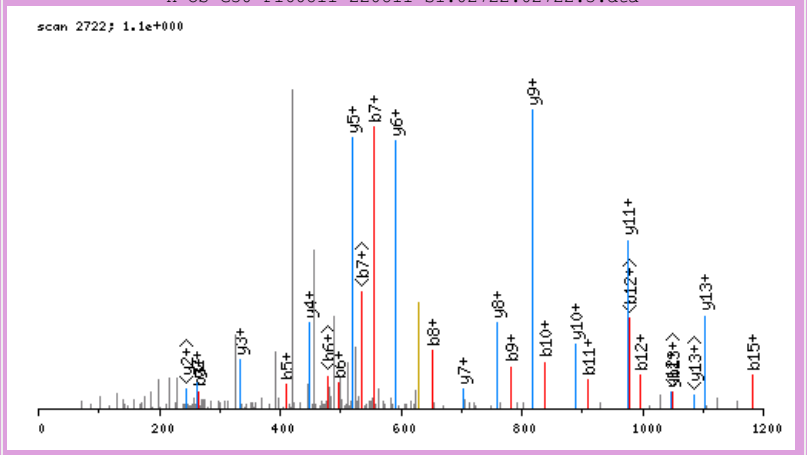
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
179.1244	2	S	18	1965.0506	**983.0292**
276.1772	3	P	17	1878.0185	**939.5132**
333.1986	4	G	16	1780.9658	**890.9868**
446.2827	5	L	15	1723.9443	**862.4761**
632.3620	6	W	14	1610.8602	**805.9340**
761.4046	7	E	13	1424.7809	**712.8944**
832.4417	8	A	12	1295.7383	**648.3731**
919.4737	9	S	11	1224.7012	**612.8545**
1032.5578	10	I	10	1137.6692	569.3385
1145.6419	11	L	9	**1024.5851**	**512.7965**
1307.8000	12	K	8	**911.5011**	**456.2544**
1408.8476	13	T	7	**749.3430**	375.1754
1465.8691	14	G	6	**648.2953**	324.6516
1536.9062	15	A	5	591.2738	296.1408
1665.9488	16	E	4	520.2367	260.6223
1780.9758	17	D	3	391.1941	196.1010
1882.0234	18	T	2	**276.1672**	138.5875
	19	R	1	**175.1195**	88.0637

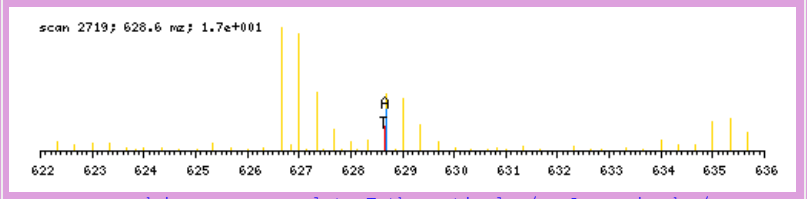
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSSSGSGVQGASAGGLAADASR, MH+ 1883.9271, m/z 628.6472
H OS G30 P160811 220811-s1.02722.02722.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



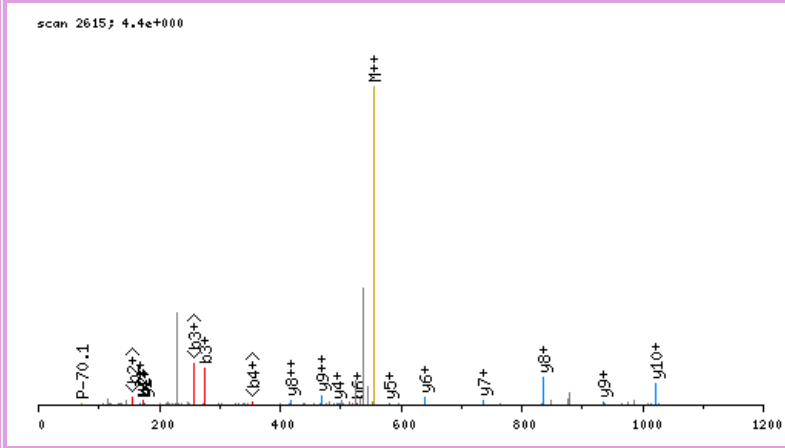
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	22		
179.1244	2	S	21	1792.8426	896.9252
266.1564	3	S	20	1705.8105	853.4092
353.1884	4	S	19	1618.7785	809.8932
410.2099	5	G	18	1531.7465	766.3771
497.2419	6	S	17	1474.7250	737.8664
554.2634	7	G	16	1387.6930	694.3504
653.3318	8	V	15	1330.6715	665.8397
781.3904	9	Q	14	1231.6031	616.3055
838.4119	10	G	13	1103.5445	552.2762
909.4490	11	A	12	1046.5231	523.7654
996.4810	12	S	11	975.4859	488.2469
1067.5181	13	A	10	888.4539	444.7309
1124.5396	14	G	9	817.4168	409.2123
1181.5610	15	G	8	760.3953	380.7016
1294.6451	16	L	7	703.3739	352.1909
1365.6822	17	A	6	590.2898	295.6488
1436.7193	18	A	5	519.2527	260.1303
1551.7463	19	D	4	448.2156	224.6117
1622.7834	20	A	3	333.1886	167.0982
1709.8154	21	S	2	262.1515	131.5797
	22	R	1	175.1195	88.0637

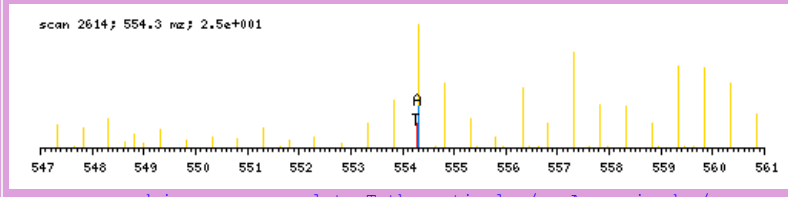
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSTPVGSGVYR, MH+ 1107.5798, m/z 554.2935
L OS G31 P160811 220811-s1.02615.02615.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



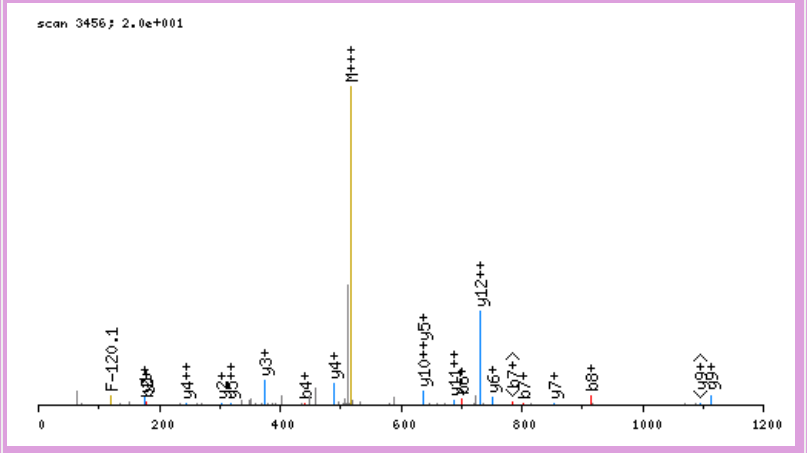
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
173.0926	2	S	10	1022.5271	511.7675
274.1403	3	T	9	935.4951	468.2514
371.1930	4	P	8	834.4474	417.7276
470.2614	5	V	7	737.3946	369.2012
527.2829	6	G	6	638.3262	319.6670
614.3149	7	S	5	581.3047	291.1563
671.3364	8	G	4	494.2727	247.6403
770.4048	9	V	3	437.2512	219.1295
933.4681	10	Y	2	338.1828	169.5953
	11	R	1	175.1195	88.0637

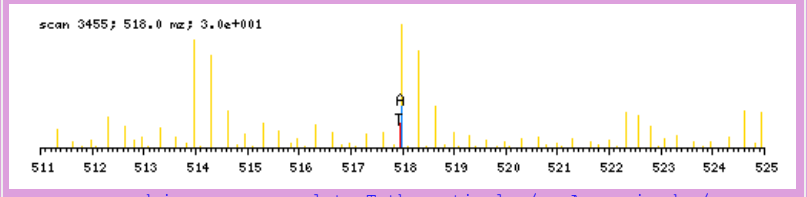
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSVKPYTNFDAER, MH+ 1551.8443, m/z 517.9530
H OS G34 P160811 220811-s1.03456.03456.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

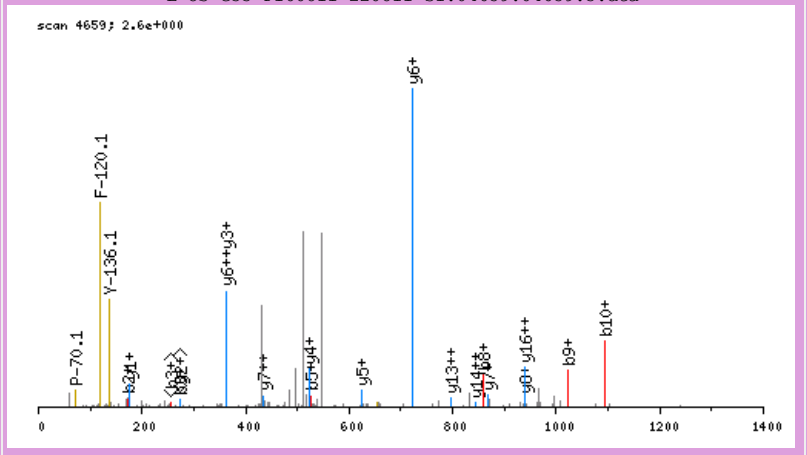


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

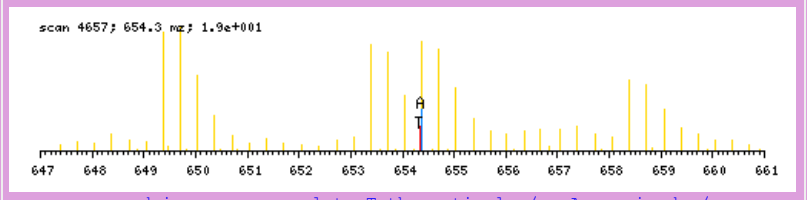
b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
179.1244	2	S	12	1460.7598	730.8838
278.1928	3	V	11	1373.7278	687.3678
440.3509	4	K	10	1274.6594	637.8336
537.4037	5	P	9	1112.5013	556.7545
700.4670	6	Y	8	1015.4485	508.2282
801.5147	7	T	7	852.3852	426.6965
915.5576	8	N	6	751.3375	376.1727
1062.6260	9	F	5	637.2946	319.1512
1177.6530	10	D	4	490.2262	245.6170
1248.6901	11	A	3	375.1992	188.1035
1377.7327	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

N-term:+35.07 K(4):+162.16

GSVVKSEDYAFPTYADR, MH+ 1960.9656, m/z 654.3267
L OS G33 P160811 220811-s1.04659.04659.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

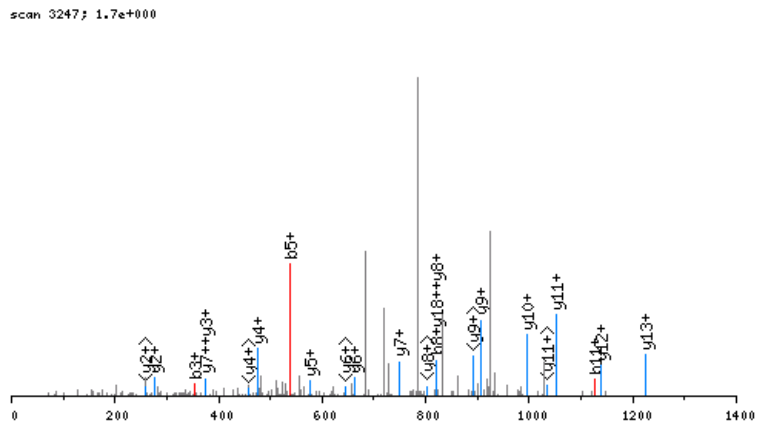
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
173.0926	2	S	16	1875.9129	938.4604
272.1610	3	V	15	1788.8809	894.9444
371.2294	4	V	14	1689.8125	845.4101
527.3557	5	K	13	1590.7440	795.8759
614.3877	6	S	12	1434.6177	717.8128
743.4303	7	E	11	1347.5857	674.2968
858.4573	8	D	10	1218.5431	609.7755
1021.5206	9	Y	9	1103.5162	552.2620
1092.5577	10	A	8	940.4529	470.7303
1239.6261	11	F	7	869.4157	435.2118
1336.6789	12	P	6	722.3473	361.6776
1437.7266	13	T	5	625.2946	313.1512
1600.7899	14	Y	4	524.2469	262.6274
1671.8270	15	A	3	361.1836	181.0957
1786.8540	16	D	2	290.1464	145.5771
	17	R	1	175.1195	88.0637

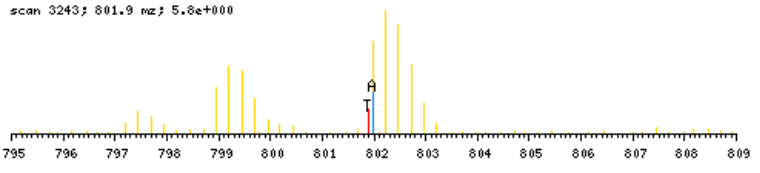
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GTCGQPADKAAGGAGAQVGGSISSGSSASSVTVTR, MH+ 3204.6191, m/z 801.9102
H OS G32 P160811 220811-s1.03247.03247.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



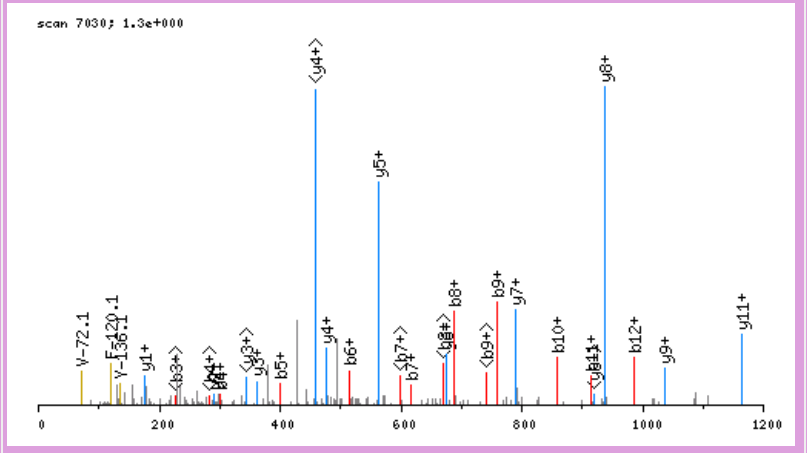
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	35		
193.1400	2	T	34	3113.5345	1557.2712
353.1706	3	C	33	3012.4869	1506.7473
410.1921	4	G	32	2852.4563	1426.7320
538.2507	5	Q	31	2795.4348	1398.2213
635.3034	6	P	30	2667.3762	1334.1920
706.3406	7	A	29	2570.3234	1285.6656
821.3675	8	D	28	2499.2863	1250.1471
983.5256	9	K	27	2384.2594	1192.6336
1054.5627	10	A	26	2222.1013	1111.5546
1125.5998	11	A	25	2151.0642	1076.0360
1182.6213	12	G	24	2080.0271	1040.5174
1239.6428	13	G	23	2023.0056	1012.0067
1310.6799	14	A	22	1965.9841	983.4960
1367.7013	15	G	21	1894.9470	947.9774
1438.7385	16	A	20	1837.9256	919.4667
1566.7970	17	Q	19	1766.8884	883.9481
1665.8654	18	V	18	1638.8299	**819.9188**
1722.8869	19	G	17	1539.7615	770.3846
1779.9084	20	G	16	1482.7400	741.8739
1866.9404	21	S	15	1425.7185	713.3632
1980.0245	22	I	14	1338.6865	669.8472
2067.0565	23	S	13	**1225.6024**	613.3051
2154.0885	24	S	12	**1138.5704**	569.7891
2211.1100	25	G	11	**1051.5384**	526.2731
2298.1420	26	S	10	**994.5169**	497.7624
2385.1740	27	S	9	**907.4849**	454.2464
2456.2112	28	A	8	**820.4529**	410.7303
2543.2432	29	S	7	**749.4157**	**375.2118**
2630.2752	30	S	6	**662.3837**	331.6958
2729.3436	31	V	5	**575.3517**	288.1798
2830.3913	32	T	4	**476.2833**	238.6455
2929.4597	33	V	3	**375.2356**	188.1217
3030.5074	34	T	2	**276.1672**	138.5875
	35	R	1	175.1195	88.0637

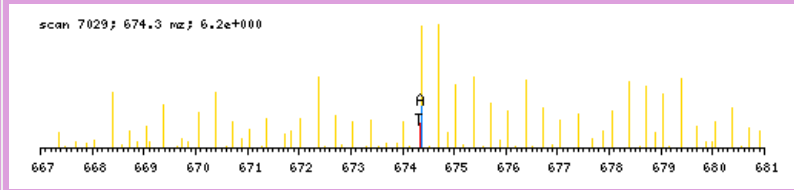
N-term:+35.07 C(3):+160.03
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GTGGVDTAAVGAVFDISNADR, MH+ 2020.9939, m/z 674.3362
L OS G30 P160811 220811-s1.07030.07030.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



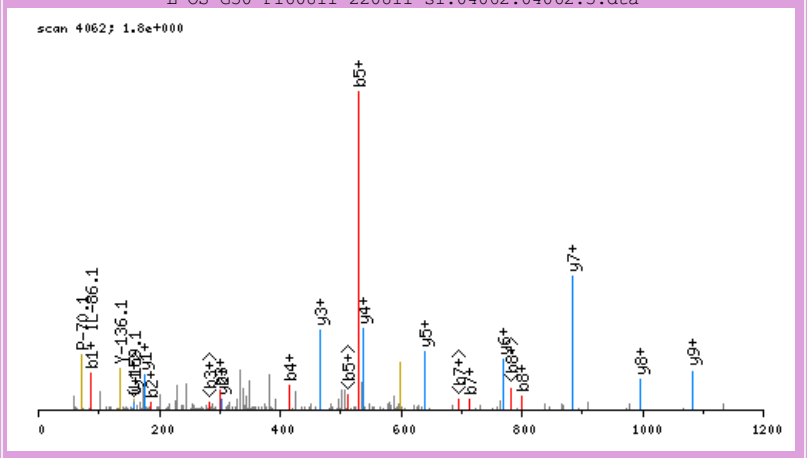
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
187.1082	2	T	20	1935.9412	968.4745
244.1297	3	G	19	1834.8935	917.9507
301.1512	4	G	18	1777.8721	889.4399
400.2196	5	V	17	1720.8506	860.9292
515.2465	6	D	16	1621.7822	811.3950
616.2942	7	T	15	1506.7552	753.8815
687.3313	8	A	14	1405.7076	703.3577
758.3684	9	A	13	1334.6705	667.8391
857.4368	10	V	12	1263.6333	632.3206
914.4583	11	G	11	**1164.5649**	582.7864
985.4954	12	A	10	1107.5435	554.2756
1084.5638	13	V	9	**1036.5063**	518.7571
1231.6323	14	F	8	**937.4379**	469.2229
1346.6592	15	D	7	**790.3695**	395.6887
1459.7433	16	I	6	**675.3426**	338.1752
1546.7753	17	S	5	**562.2585**	281.6332
1660.8182	18	N	4	**475.2265**	238.1172
1731.8553	19	A	3	**361.1836**	181.0957
1846.8823	20	D	2	**290.1464**	145.5771
	21	R	1	**175.1195**	88.0637

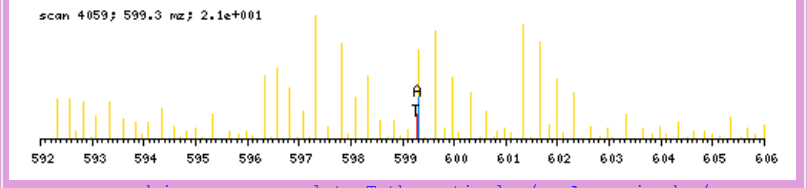
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GTLDNPSSLDETAYER, MH+ 1795.8350, m/z 599.2832
L OS G30 P160811 220811-s1.04062.04062.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



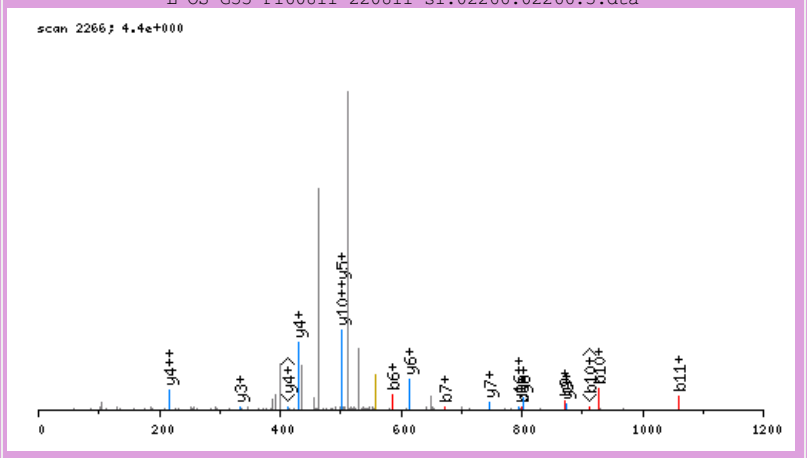
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**16**		
187.1082	**2**	**T**	**15**	1710.7822	855.8950
300.1923	**3**	**L**	**14**	1609.7346	805.3712
415.2192	**4**	**D**	**13**	1496.6505	748.8292
529.2622	**5**	**N**	**12**	1381.6236	691.3157
626.3149	**6**	**P**	**11**	1267.5806	634.2942
713.3470	**7**	**S**	**10**	1170.5279	585.7678
800.3790	**8**	**S**	**9**	**1083.4958**	542.2518
913.4631	**9**	**L**	**8**	**996.4638**	498.7358
1028.4900	**10**	**D**	**7**	**883.3798**	442.1938
1157.5326	**11**	**E**	**6**	**768.3528**	384.6803
1258.5803	**12**	**T**	**5**	**639.3102**	320.1590
1329.6174	**13**	**A**	**4**	**538.2625**	269.6352
1492.6807	**14**	**Y**	**3**	**467.2254**	234.1166
1621.7233	**15**	**E**	**2**	**304.1621**	152.5850
	16	**R**	**1**	**175.1195**	88.0637

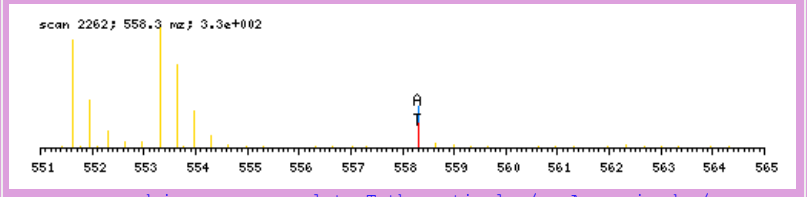
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GTNKGASQAGMLAPGTR, MH+ 1672.8805, m/z 558.2983
L OS G33 P160811 220811-s1.02266.02266.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



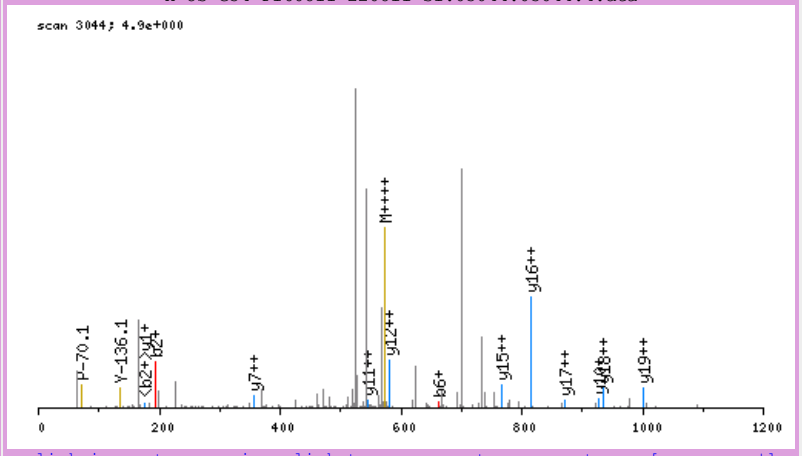
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
187.1082	2	T	16	1587.8277	**794.4178**
301.1512	3	N	15	1486.7801	743.8939
457.2775	4	K	14	1372.7371	686.8725
514.2989	5	G	13	1216.6108	608.8093
585.3360	6	A	12	1159.5894	580.2986
672.3681	7	S	11	1088.5523	544.7800
800.4267	8	Q	10	1001.5202	**501.2640**
871.4638	9	A	9	**873.4616**	437.2347
928.4852	10	G	8	**802.4245**	401.7162
1059.5257	11	M	7	**745.4031**	373.2054
1172.6098	12	L	6	**614.3626**	307.6852
1243.6469	13	A	5	**501.2785**	251.1432
1340.6997	14	P	4	**430.2414**	**215.6246**
1397.7211	15	G	3	**333.1886**	167.0982
1498.7688	16	T	2	276.1672	138.5875
	17	R	1	175.1195	88.0637

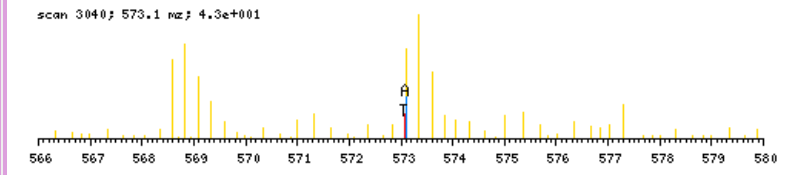
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GTPEENPPSWAKSAGSKSSGGR, MH+ 2289.2324, m/z 573.0636
H OS G34 P160811 220811-s1.03044.03044.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



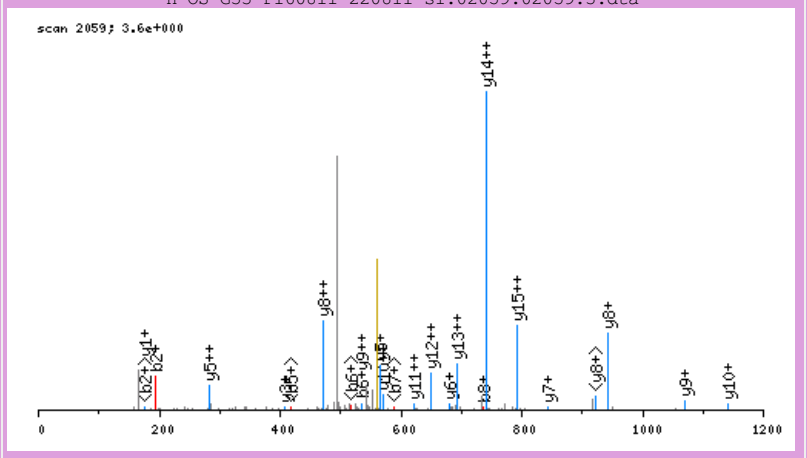
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	22		
193.1400	2	T	21	2198.1479	1099.5778
290.1928	3	P	20	2097.1002	1049.0540
419.2354	4	E	19	2000.0474	**1000.5276**
548.2780	5	E	18	1871.0048	**936.0063**
662.3209	6	N	17	1741.9622	**871.4850**
759.3737	7	P	16	1627.9193	**814.4636**
856.4264	8	P	15	1530.8665	**765.9372**
943.4585	9	S	14	1433.8138	717.4108
1129.5378	10	W	13	1346.7817	673.8948
1200.5749	11	A	12	1160.7024	**580.8551**
1362.7330	12	K	11	1089.6653	**545.3366**
1449.7650	13	S	10	**927.5072**	464.2575
1520.8021	14	A	9	840.4752	420.7415
1577.8236	15	G	8	769.4381	385.2230
1664.8556	16	S	7	712.4166	**356.7122**
1827.0137	17	K	6	625.3846	313.1962
1914.0458	18	S	5	463.2265	232.1172
2001.0778	19	S	4	376.1945	188.6011
2058.0993	20	G	3	289.1624	145.0851
2115.1207	21	G	2	232.1410	116.5744
	22	R	1	**175.1195**	88.0637

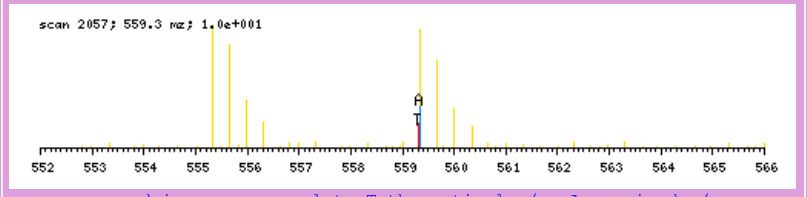
N-term:+35.07 K(12):+162.16
K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GTPSGTAEPYDGTKAR, MH+ 1675.8928, m/z 559.3024
H OS G33 P160811 220811-s1.02059.02059.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



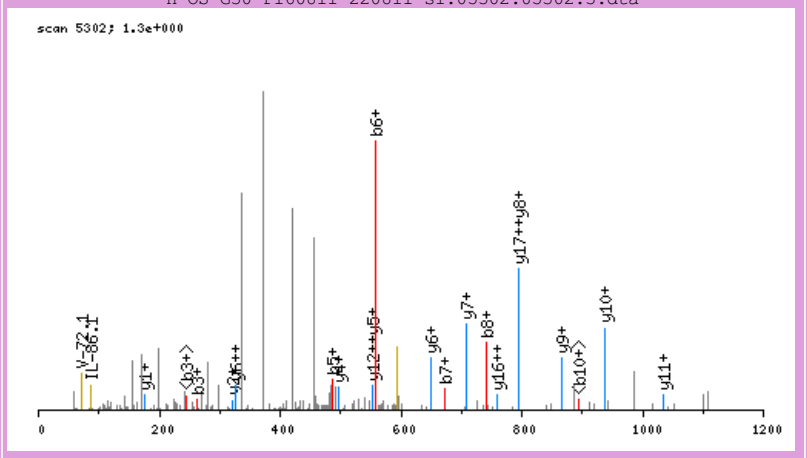
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
193.1400	2	T	15	1584.8082	**792.9080**
290.1928	3	P	14	1483.7605	**742.3842**
377.2248	4	S	13	1386.7078	**693.8578**
434.2463	5	G	12	1299.6757	**650.3418**
535.2940	6	T	11	1242.6543	**621.8311**
606.3311	7	A	10	**1141.6066**	**571.3072**
735.3737	8	E	9	**1070.5695**	**535.7887**
832.4264	9	P	8	**941.5269**	**471.2674**
995.4898	10	Y	7	**844.4741**	422.7410
1110.5167	11	D	6	**681.4108**	341.2093
1167.5382	12	G	5	**566.3839**	**283.6958**
1268.5859	13	T	4	509.3624	255.1851
1430.7440	14	K	3	**408.3147**	204.6613
1501.7811	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

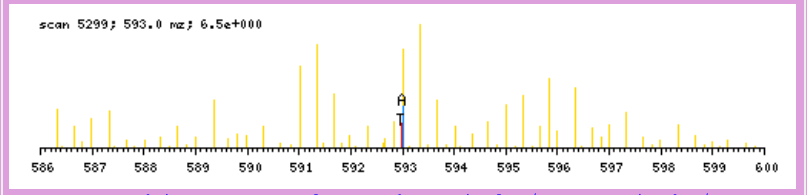
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVAPQALAVAASGPGSSFR, MH+ 1776.9820, m/z 592.9989
H OS G30 P160811 220811-s1.05302.05302.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



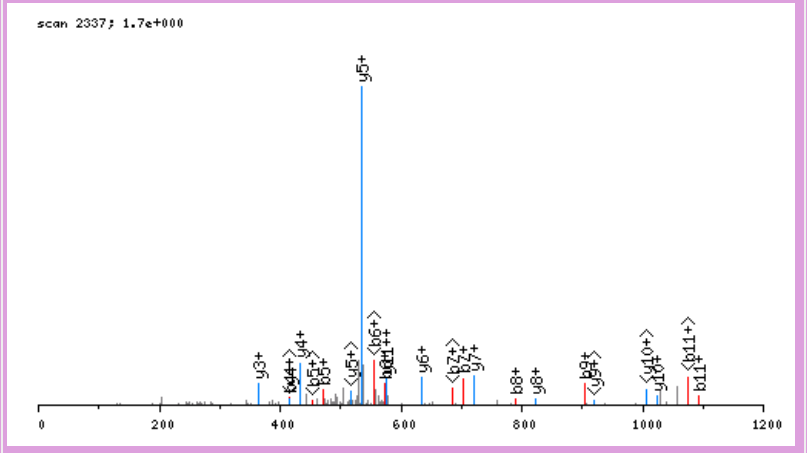
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
191.1608	2	V	18	1685.8975	843.4527
262.1979	3	A	17	1586.8291	**793.9185**
359.2507	4	P	16	1515.7920	**758.3999**
487.3092	5	Q	15	1418.7392	709.8735
558.3463	6	A	14	1290.6806	645.8442
671.4304	7	L	13	1219.6435	610.3257
742.4675	8	A	12	1106.5594	**553.7836**
841.5359	9	V	11	**1035.5223**	518.2651
912.5731	10	A	10	**936.4539**	468.7309
983.6102	11	A	9	**865.4168**	433.2123
1070.6422	12	S	8	**794.3797**	397.6938
1127.6637	13	G	7	**707.3477**	354.1777
1224.7164	14	P	6	**650.3262**	**325.6670**
1281.7379	15	G	5	**553.2734**	277.1406
1368.7699	16	S	4	**496.2520**	248.6299
1455.8019	17	S	3	409.2199	205.1139
1602.8704	18	F	2	**322.1879**	161.5979
	19	R	1	**175.1195**	88.0637

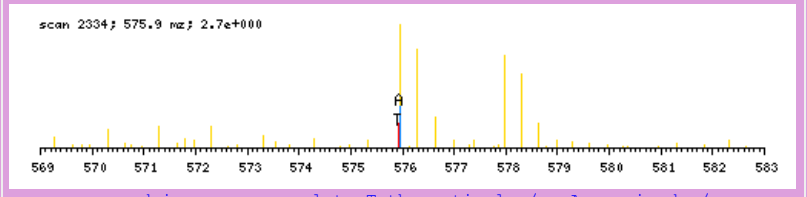
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVDDGTESDTSVTATSR, MH+ 1725.7779, m/z 575.9308
L OS G30 P160811 220811-s1.02337.02337.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



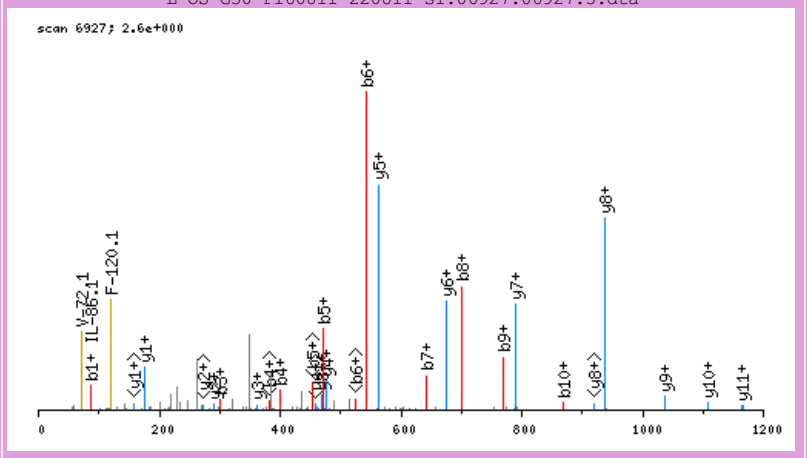
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
185.1290	2	V	16	1640.7251	820.8665
300.1559	3	D	15	1541.6567	771.3323
415.1829	4	D	14	1426.6298	713.8188
472.2043	5	G	13	1311.6028	656.3053
573.2520	6	T	12	1254.5814	627.7946
702.2946	7	E	11	1153.5337	**577.2708**
789.3266	8	S	10	**1024.4911**	512.7495
904.3536	9	D	9	937.4591	469.2334
1005.4012	10	T	8	**822.4321**	411.7200
1092.4333	11	S	7	**721.3844**	361.1961
1191.5017	12	V	6	**634.3524**	317.6801
1292.5494	13	T	5	**535.2840**	268.1459
1363.5865	14	A	4	**434.2363**	217.6221
1464.6342	15	T	3	**363.1992**	182.1035
1551.6662	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

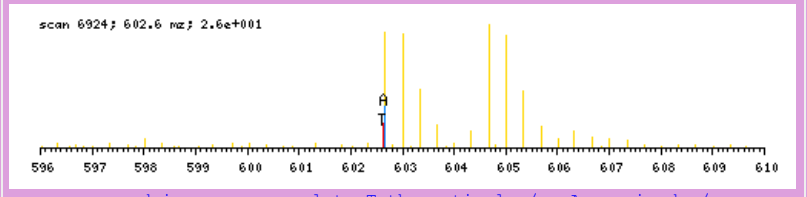
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVDTAAVGAVFDISNADR, MH+ 1805.9033, m/z 602.6393
L OS G30 P160811 220811-s1.06927.06927.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



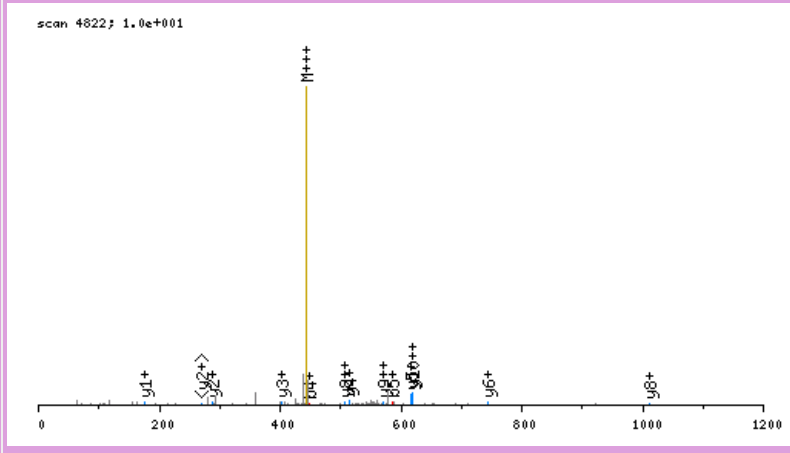
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
185.1290	2	V	17	1720.8506	860.9292
300.1559	3	D	16	1621.7822	811.3950
401.2036	4	T	15	1506.7552	753.8815
472.2407	5	A	14	1405.7076	703.3577
543.2778	6	A	13	1334.6705	667.8391
642.3462	7	V	12	1263.6333	632.3206
699.3677	8	G	11	1164.5649	582.7864
770.4048	9	A	10	1107.5435	554.2756
869.4732	10	V	9	1036.5063	518.7571
1016.5416	11	F	8	937.4379	469.2229
1131.5686	12	D	7	790.3695	395.6887
1244.6527	13	I	6	675.3426	338.1752
1331.6847	14	S	5	562.2585	281.6332
1445.7276	15	N	4	475.2265	238.1172
1516.7647	16	A	3	361.1836	181.0957
1631.7917	17	D	2	290.1464	145.5771
	18	R	1	175.1195	88.0637

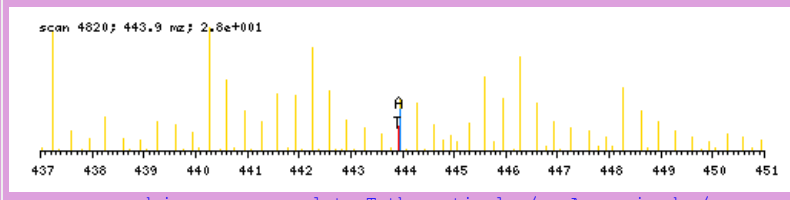
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVEEHETLLLR, MH+ 1329.7590, m/z 443.9245
H OS G34 P160811 220811-s1.04822.04822.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



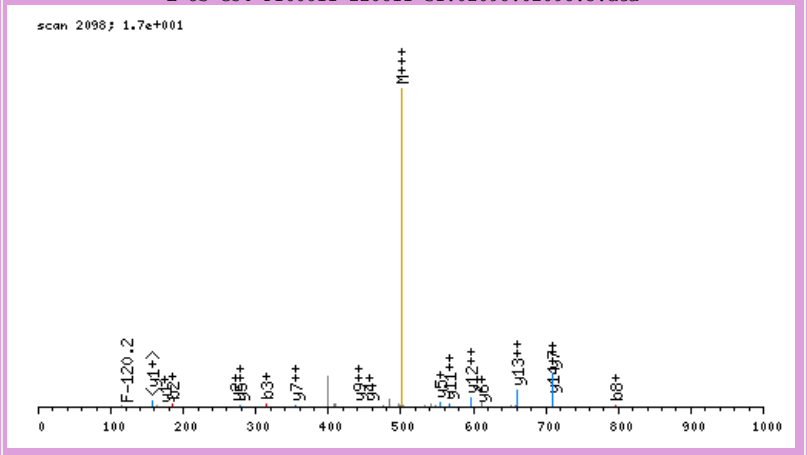
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
191.1608	2	V	10	1238.6745	**619.8412**
320.2034	3	E	9	1139.6061	**570.3069**
449.2460	4	E	8	**1010.5635**	**505.7856**
586.3049	5	H	7	881.5209	441.2644
715.3475	6	E	6	**744.4620**	372.7349
816.3951	7	T	5	**615.4194**	308.2136
929.4792	8	L	4	**514.3717**	257.6898
1042.5633	9	L	3	**401.2876**	201.1477
1155.6473	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

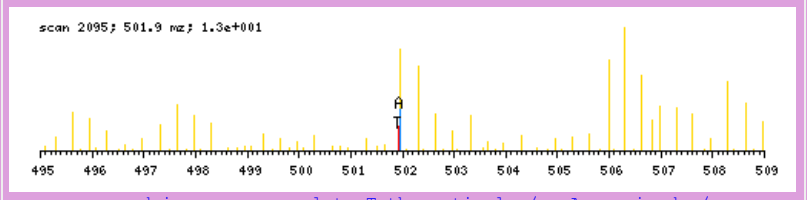
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVEGPKGDPGPQGPR, MH+ 1503.7920, m/z 501.9355
L OS G34 P160811 220811-s1.02098.02098.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



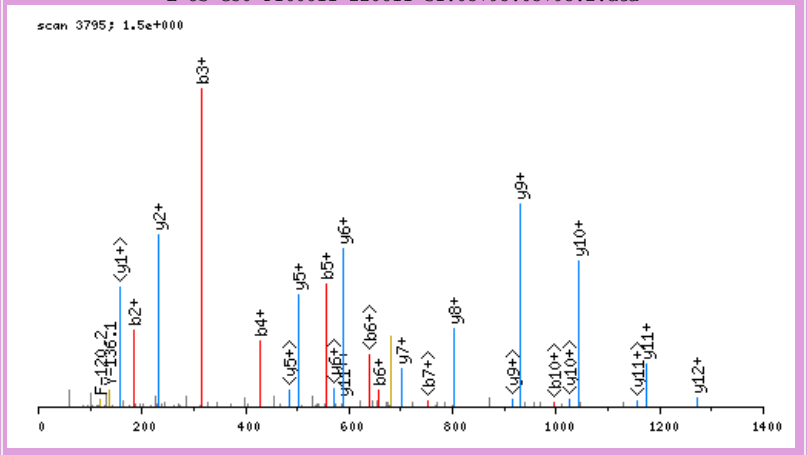
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
185.1290	2	V	14	1418.7392	**709.8735**
314.1716	3	E	13	1319.6708	**660.3393**
371.1930	4	G	12	1190.6282	**595.8180**
468.2458	5	P	11	1133.6068	**567.3073**
624.3721	6	K	10	1036.5540	518.7809
681.3936	7	G	9	880.4277	**440.7178**
796.4205	8	D	8	823.4062	412.2070
893.4733	9	P	7	**708.3793**	**354.6936**
950.4947	10	G	6	**611.3265**	306.1672
1047.5475	11	P	5	**554.3051**	**277.6564**
1175.6061	12	Q	4	**457.2523**	229.1301
1232.6275	13	G	3	329.1937	165.1008
1329.6803	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

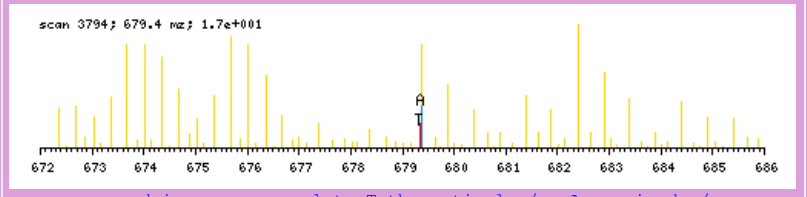
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVEIETISPGDGR, MH+ 1357.6963, m/z 679.3518
L OS G30 P160811 220811-s1.03795.03795.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



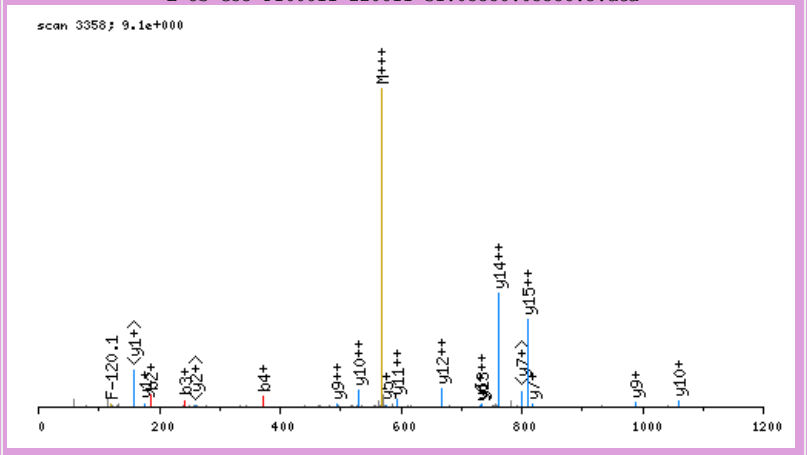
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
185.1290	2	V	12	**1272.6436**	636.8257
314.1716	3	E	11	**1173.5752**	**587.2915**
427.2556	4	I	10	**1044.5326**	522.7702
556.2982	5	E	9	**931.4485**	466.2282
657.3459	6	T	8	**802.4059**	401.7069
770.4300	7	I	7	**701.3582**	351.1830
857.4620	8	S	6	**588.2742**	294.6410
954.5148	9	P	5	**501.2421**	251.1250
1011.5362	10	G	4	404.1894	202.5986
1126.5632	11	D	3	347.1679	174.0879
1183.5846	12	G	2	**232.1410**	116.5744
	13	R	1	175.1195	88.0637

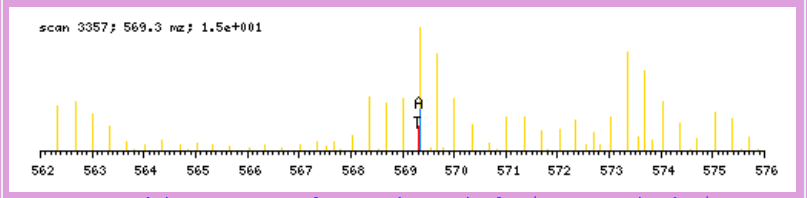
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVGEFEAGISKNGQTR, MH+ 1705.8873, m/z 569.3006
L OS G33 P160811 220811-s1.03358.03358.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



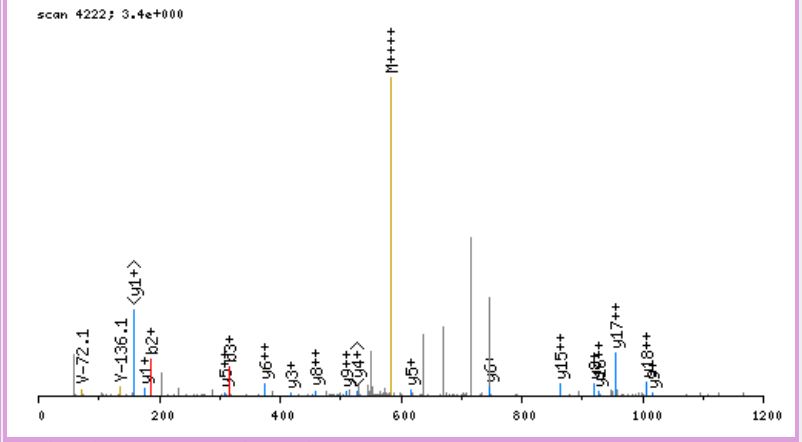
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
185.1290	2	V	15	1620.8346	**810.9212**
242.1504	3	G	14	1521.7662	**761.3870**
371.1930	4	E	13	1464.7447	**732.8763**
518.2614	5	F	12	1335.7021	**668.3550**
647.3040	6	E	11	1188.6337	**594.8208**
718.3412	7	A	10	**1059.5911**	**530.2995**
775.3626	8	G	9	**988.5540**	**494.7809**
888.4467	9	I	8	931.5325	466.2702
975.4787	10	S	7	**818.4485**	409.7282
1131.6050	11	K	6	**731.4164**	366.2121
1245.6479	12	N	5	**575.2901**	288.1490
1302.6694	13	G	4	461.2472	231.1275
1430.7280	14	Q	3	404.2258	202.6168
1531.7757	15	T	2	276.1672	138.5875
	16	R	1	**175.1195**	88.0637

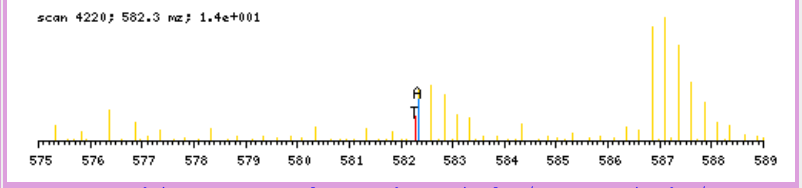
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVMVGMGQKDSYVGDEAQSKR, MH+ 2326.1536, m/z 582.2939
L OS G34 P160811 220811-s1.04222.04222.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



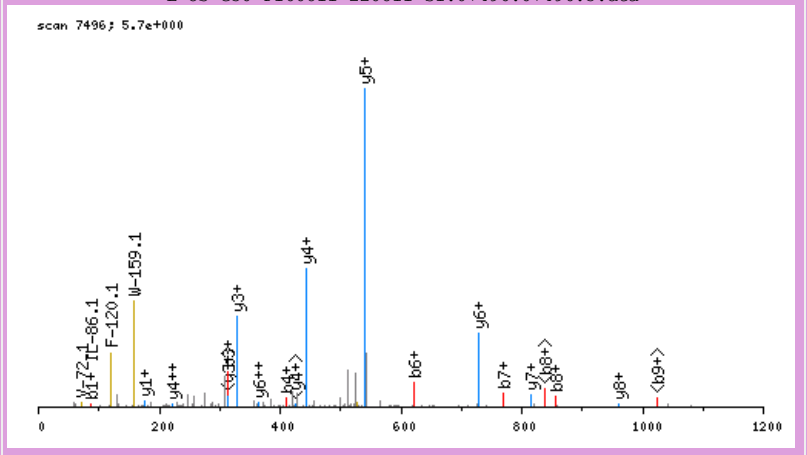
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
185.1290	2	V	20	2241.1008	1121.0543
316.1695	3	M	19	2142.0324	1071.5201
415.2379	4	V	18	2010.9919	**1005.9999**
472.2593	5	G	17	1911.9235	**956.4657**
603.2998	6	M	16	1854.9021	**927.9549**
660.3213	7	G	15	1723.8616	**862.4347**
788.3799	8	Q	14	1666.8401	833.9240
944.5062	9	K	13	1538.7815	769.8947
1059.5331	10	D	12	1382.6552	691.8315
1146.5651	11	S	11	1267.6283	634.3181
1309.6285	12	Y	10	1180.5963	590.8020
1408.6969	13	V	9	**1017.5329**	**509.2704**
1465.7183	14	G	8	**918.4645**	**459.7362**
1580.7453	15	D	7	861.4431	431.2254
1709.7879	16	E	6	**746.4161**	**373.7120**
1780.8250	17	A	5	**617.3735**	**309.1907**
1908.8836	18	Q	4	546.3364	273.6721
1995.9156	19	S	3	**418.2778**	209.6428
2152.0419	20	K	2	331.2458	166.1268
	21	R	1	**175.1195**	88.0637

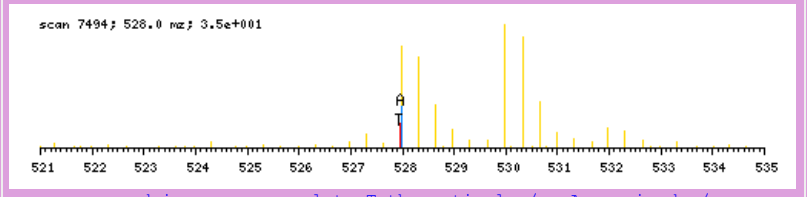
N-term:+29.04 K(9):+156.13
K(20):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVQPPNFSWVLPGR, MH+ 1581.8541, m/z 527.9562
L OS G30 P160811 220811-s1.07496.07496.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

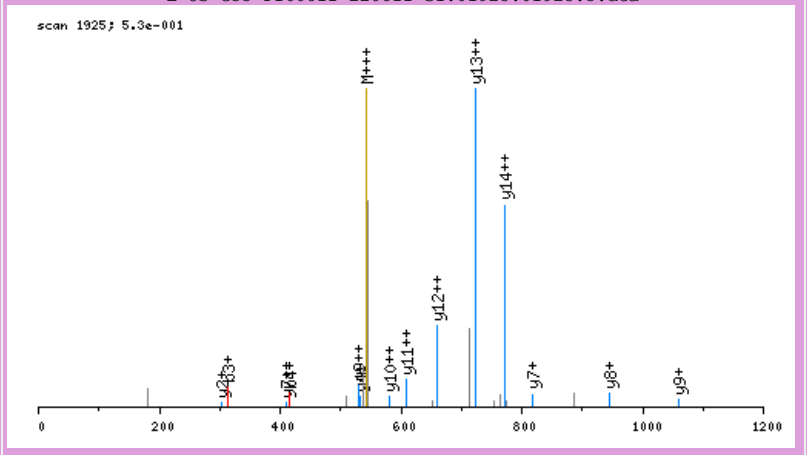


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

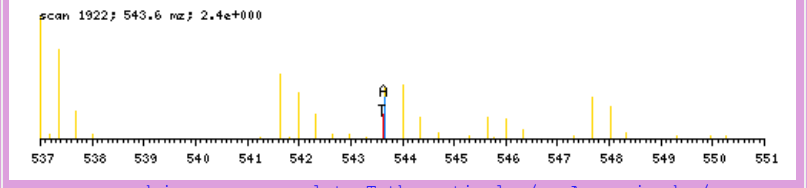
b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**14**		
185.1290	**2**	**V**	**13**	1496.8014	748.9046
313.1876	**3**	**Q**	**12**	1397.7330	699.3704
410.2403	**4**	**P**	**11**	1269.6744	635.3411
507.2931	**5**	**P**	**10**	1172.6217	586.8147
621.3360	**6**	**N**	**9**	1075.5689	538.2884
768.4044	**7**	**F**	**8**	**961.5260**	481.2669
855.4365	**8**	**S**	**7**	**814.4575**	407.7327
1041.5158	**9**	**W**	**6**	**727.4255**	**364.2167**
1140.5842	**10**	**V**	**5**	**541.3462**	271.1770
1253.6682	**11**	**L**	**4**	**442.2778**	**221.6428**
1350.7210	**12**	**P**	**3**	**329.1937**	165.1008
1407.7425	**13**	**G**	**2**	232.1410	116.5744
	14	**R**	**1**	**175.1195**	88.0637

N-term:+29.04

GVQTGVNQAGKETQR, MH+ 1628.8720, m/z 543.6289
L OS G33 P160811 220811-s1.01925.01925.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

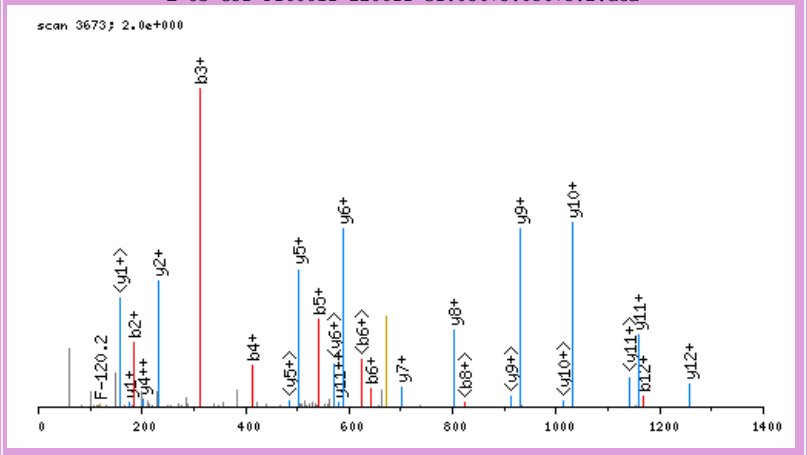
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
185.1290	2	V	14	1543.8193	**772.4136**
313.1876	3	Q	13	1444.7509	**722.8793**
414.2352	4	T	12	1316.6923	**658.8501**
471.2567	5	G	11	1215.6446	**608.3262**
570.3251	6	V	10	1158.6231	**579.8155**
684.3680	7	N	9	**1059.5547**	**530.2813**
812.4266	8	Q	8	**945.5118**	473.2598
883.4637	9	A	7	**817.4532**	**409.2305**
940.4852	10	G	6	746.4161	373.7120
1096.6115	11	K	5	689.3946	345.2012
1225.6541	12	E	4	**533.2683**	267.1381
1326.7018	13	T	3	404.2258	202.6168
1454.7603	14	Q	2	**303.1781**	152.0930
	15	R	1	175.1195	88.0637

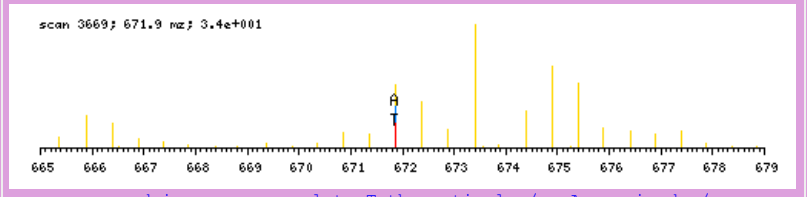
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVQVETISPGDGR, MH+ 1342.6966, m/z 671.8520
L OS G31 P160811 220811-s1.03673.03673.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



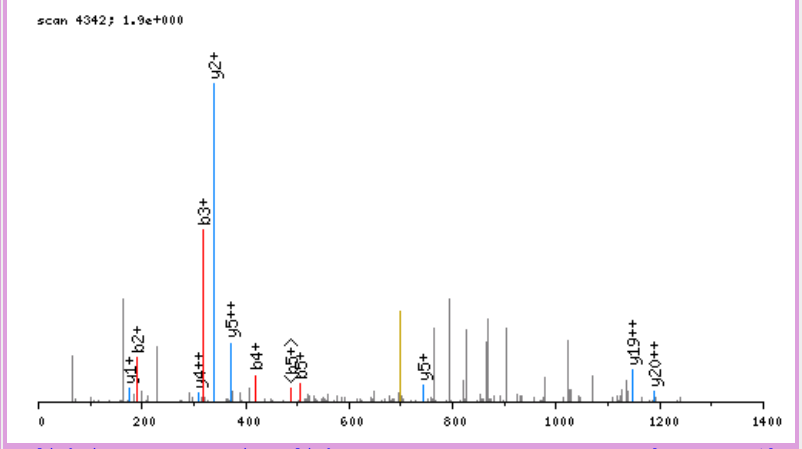
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
185.1290	2	V	12	1257.6439	629.3259
313.1876	3	Q	11	1158.5755	579.7917
412.2560	4	V	10	1030.5169	515.7624
541.2986	5	E	9	931.4485	466.2282
642.3462	6	T	8	802.4059	401.7069
755.4303	7	I	7	701.3582	351.1830
842.4623	8	S	6	588.2742	294.6410
939.5151	9	P	5	501.2421	251.1250
996.5366	10	G	4	404.1894	202.5986
1111.5635	11	D	3	347.1679	174.0879
1168.5850	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

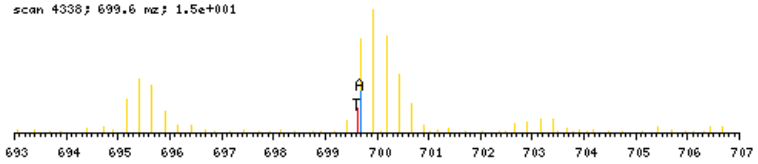
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

GVQVSPSGEKITHTGQVYDEKDYR, MH+ 2795.5064, m/z 699.6321
H OS G35 P160811 220811-s1.04342.04342.4.dta



click image to zoom in; click top corners to zoom out [precursor]



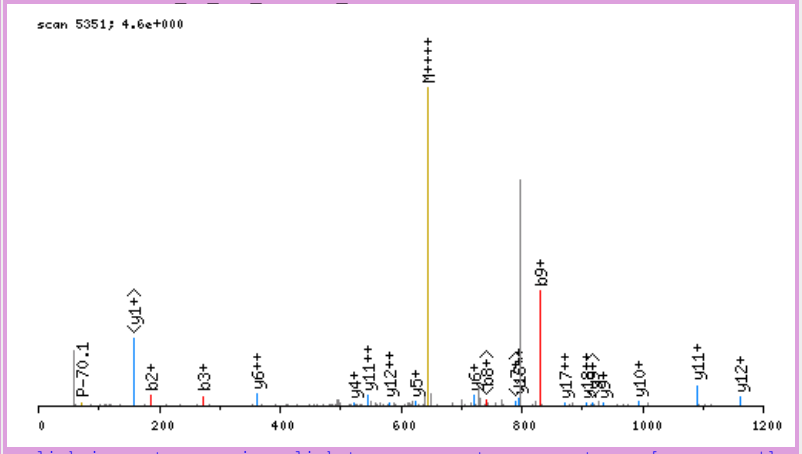
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	24		
191.1608	2	V	23	2704.4219	1352.7149
319.2194	3	Q	22	2605.3535	1303.1807
418.2878	4	V	21	2477.2949	1239.1514
505.3198	5	S	20	2378.2265	**1189.6172**
602.3726	6	P	19	2291.1945	**1146.1011**
689.4046	7	S	18	2194.1417	1097.5748
746.4261	8	G	17	2107.1097	1054.0588
875.4686	9	E	16	2050.0882	1025.5480
1037.6267	10	K	15	1921.0456	961.0267
1150.7108	11	I	14	1758.8875	879.9477
1251.7585	12	T	13	1645.8035	823.4056
1388.8174	13	H	12	1544.7558	772.8818
1489.8651	14	T	11	1407.6969	704.3523
1546.8865	15	G	10	1306.6492	653.8285
1674.9451	16	Q	9	1249.6277	625.3178
1774.0135	17	V	8	1121.5692	561.2885
1937.0769	18	Y	7	1022.5007	511.7543
2052.1038	19	D	6	859.4374	430.2226
2181.1464	20	E	5	**744.4105**	**372.7091**
2343.3045	21	K	4	615.3679	**308.1878**
2458.3314	22	D	3	453.2098	227.1088
2621.3948	23	Y	2	**338.1828**	169.5953
	24	R	1	**175.1195**	88.0637

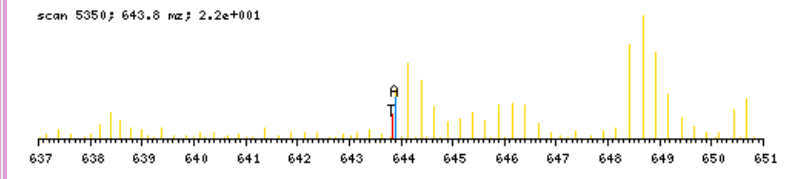
N-term:+35.07 K(10):+162.16
K(21):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVSDGSEVAKAQKAAPGGASPTIFSR, MH+ 2572.3735, m/z 643.8488
L_OS_G34_P160811_220811-s1.05351.05351.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



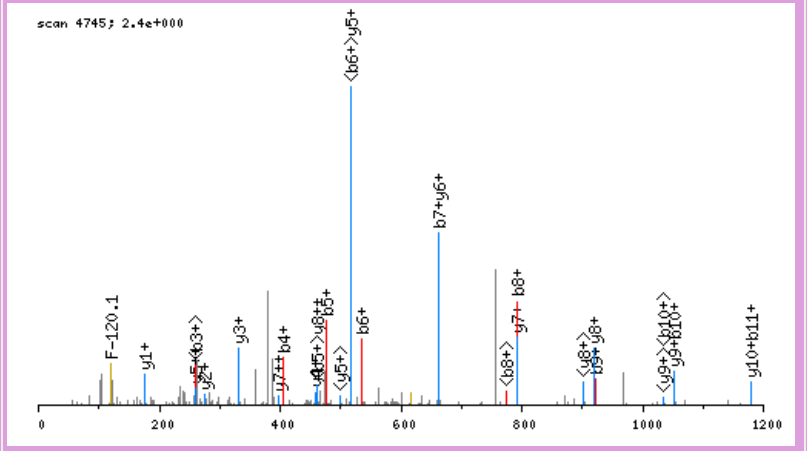
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	26		
185.1290	2	V	25	2487.3208	1244.1643
272.1610	3	S	24	2388.2524	1194.6301
387.1879	4	D	23	2301.2204	1151.1141
444.2094	5	G	22	2186.1934	1093.6006
531.2414	6	S	21	2129.1720	1065.0899
660.2840	7	E	20	2042.1399	1021.5739
759.3524	8	V	19	1913.0973	957.0526
830.3896	9	A	18	1814.0289	**907.5184**
986.5159	10	K	17	1742.9918	**871.9998**
1057.5530	11	A	16	1586.8655	**793.9367**
1185.6116	12	Q	15	1515.8284	758.4181
1341.7379	13	K	14	1387.7698	694.3888
1412.7750	14	A	13	1231.6435	616.3257
1483.8121	15	A	12	**1160.6064**	**580.8071**
1580.8648	16	P	11	**1089.5693**	**545.2886**
1637.8863	17	G	10	**992.5165**	496.7622
1694.9078	18	G	9	**935.4951**	468.2514
1765.9449	19	A	8	878.4736	439.7407
1852.9769	20	S	7	807.4365	404.2222
1950.0297	21	P	6	**720.4044**	**360.7061**
2051.0774	22	T	5	**623.3517**	312.1798
2164.1614	23	I	4	**522.3040**	261.6559
2311.2298	24	F	3	409.2199	205.1139
2398.2619	25	S	2	262.1515	131.5797
	26	R	1	175.1195	88.0637

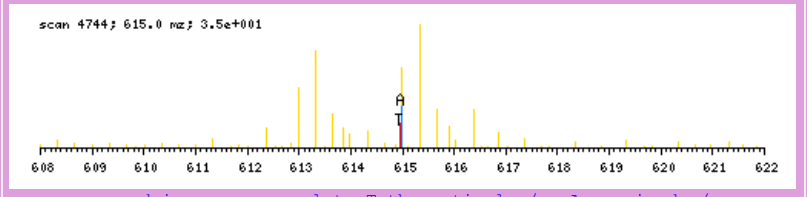
N-term:+29.04 K(10):+156.13
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVSQAGEEMEQFGQGVR, MH+ 1842.8868, m/z 614.9671
H OS G30 P160811 220811-s1.04745.04745.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



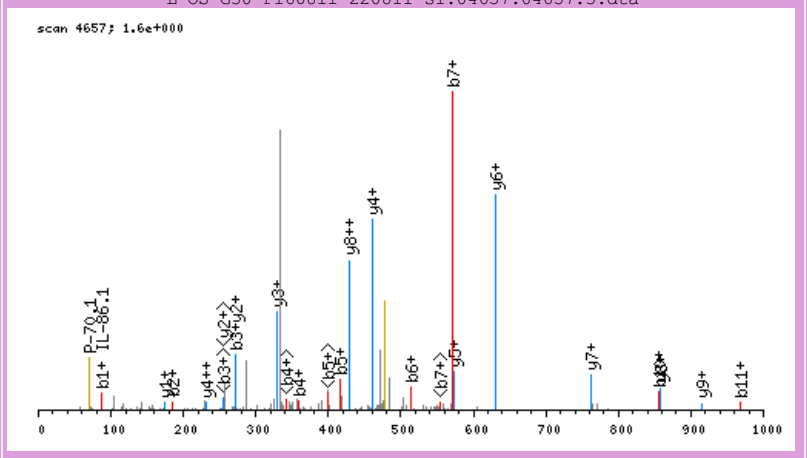
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
191.1608	2	V	16	1751.8023	876.4050
278.1928	3	S	15	1652.7339	826.8708
406.2514	4	Q	14	1565.7018	783.3548
477.2885	5	A	13	1437.6433	719.3255
534.3100	6	G	12	1366.6061	683.8070
663.3526	7	E	11	1309.5847	655.2963
792.3951	8	E	10	1180.5421	590.7750
923.4356	9	M	9	1051.4995	526.2537
1052.4782	10	E	8	920.4590	460.7334
1180.5368	11	Q	7	791.4164	396.2121
1327.6052	12	F	6	663.3578	332.1828
1384.6267	13	G	5	516.2894	258.6486
1512.6853	14	Q	4	459.2680	230.1379
1569.7067	15	G	3	331.2094	166.1086
1668.7751	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

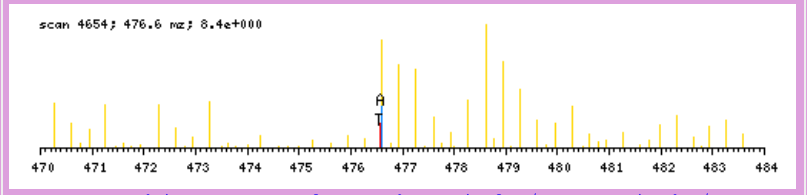
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVSSGPGPMGLMGPR, MH+ 1427.7139, m/z 476.5761
L OS G30 P160811 220811-s1.04657.04657.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



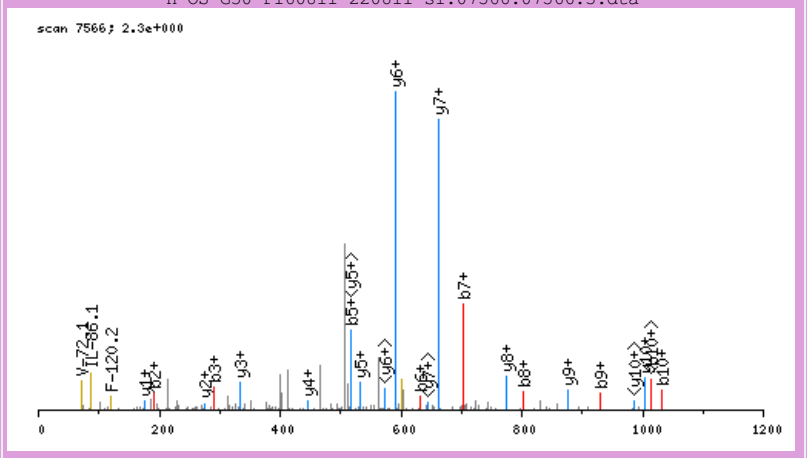
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
185.1290	2	V	14	1342.6612	671.8345
272.1610	3	S	13	1243.5927	622.3003
359.1930	4	S	12	1156.5607	578.7843
416.2145	5	G	11	1069.5287	535.2683
513.2673	6	P	10	1012.5072	506.7575
570.2887	7	G	9	915.4545	458.2311
667.3415	8	P	8	858.4330	429.7204
798.3820	9	M	7	761.3802	381.1940
855.4034	10	G	6	630.3397	315.6738
968.4875	11	L	5	573.3183	287.1631
1099.5280	12	M	4	460.2342	230.6210
1156.5495	13	G	3	329.1937	165.1008
1253.6022	14	P	2	272.1723	136.5900
	15	R	1	175.1195	88.0637

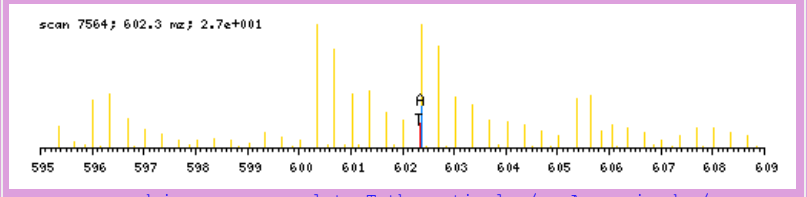
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GVVPEDAVETLAGSLGTR, MH+ 1804.9868, m/z 602.3338
H OS G30 P160811 220811-s1.07566.07566.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



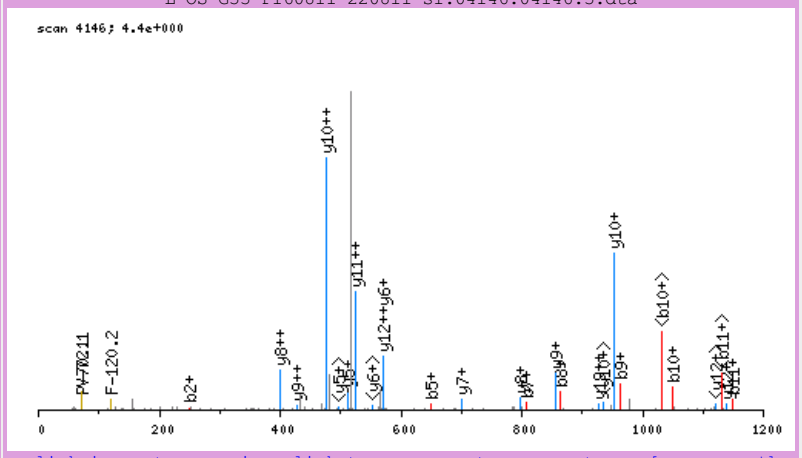
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	18		
191.1608	2	V	17	1713.9023	857.4551
290.2292	3	V	16	1614.8339	807.9209
387.2820	4	P	15	1515.7655	758.3867
516.3245	5	E	14	1418.7127	709.8603
631.3515	6	D	13	1289.6701	645.3390
702.3886	7	A	12	1174.6432	587.8255
801.4570	8	V	11	1103.6061	552.3069
930.4996	9	E	10	**1004.5376**	502.7727
1031.5473	10	T	9	**875.4951**	438.2514
1144.6314	11	L	8	**774.4474**	387.7276
1215.6685	12	A	7	**661.3633**	331.1856
1272.6899	13	G	6	**590.3262**	295.6670
1359.7220	14	S	5	**533.3047**	267.1563
1472.8060	15	L	4	**446.2727**	223.6403
1529.8275	16	G	3	**333.1886**	167.0982
1630.8752	17	T	2	**276.1672**	138.5875
	18	R	1	**175.1195**	88.0637

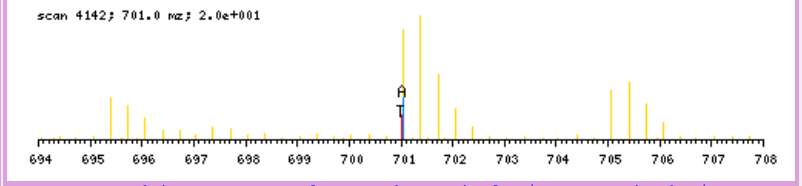
N-term:+35.07

GYDEKSAGVSVPGPMGPSGPR, MH+ 2101.0388, m/z 701.0178
L OS G33 P160811 220811-s1.04146.04146.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



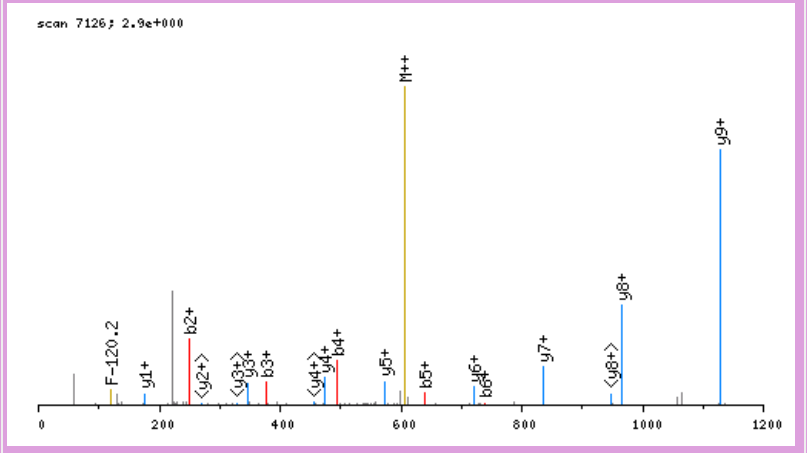
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
249.1239	2	Y	20	2015.9861	1008.4970
364.1508	3	D	19	1852.9228	**926.9653**
493.1934	4	E	18	1737.8958	869.4518
649.3197	5	K	17	1608.8532	804.9305
736.3518	6	S	16	1452.7269	726.8674
807.3889	7	A	15	1365.6949	683.3514
864.4103	8	G	14	1294.6578	647.8328
963.4787	9	V	13	1237.6363	619.3221
1050.5108	10	S	12	**1138.5679**	**569.7879**
1149.5792	11	V	11	1051.5359	**526.2718**
1246.6320	12	P	10	**952.4675**	**476.7376**
1303.6534	13	G	9	**855.4147**	**428.2113**
1400.7062	14	P	8	**798.3932**	**399.7005**
1531.7467	15	M	7	**701.3405**	351.1741
1588.7681	16	G	6	**570.3000**	285.6539
1685.8209	17	P	5	**513.2785**	257.1432
1772.8529	18	S	4	416.2258	208.6168
1829.8744	19	G	3	329.1937	165.1008
1926.9272	20	P	2	272.1723	136.5900
	21	R	1	175.1195	88.0637

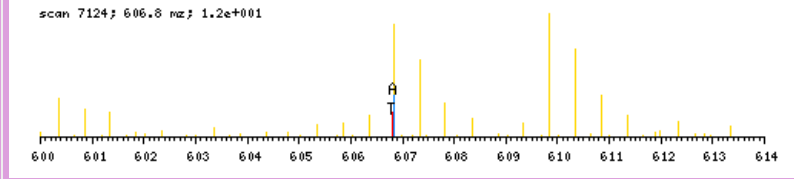
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYEDFVEGLR, MH+ 1212.5901, m/z 606.7987
L OS G31 P160811 220811-s1.07126.07126.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



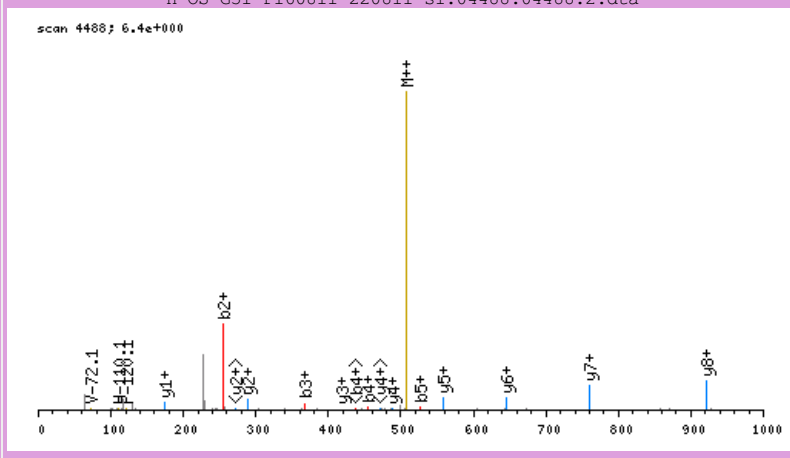
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
249.1239	2	Y	9	1127.5373	564.2726
378.1665	3	E	8	964.4740	482.7409
493.1934	4	D	7	835.4314	418.2196
640.2618	5	F	6	720.4044	360.7061
739.3303	6	V	5	573.3360	287.1719
868.3728	7	E	4	474.2676	237.6377
925.3943	8	G	3	345.2250	173.1164
1038.4784	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

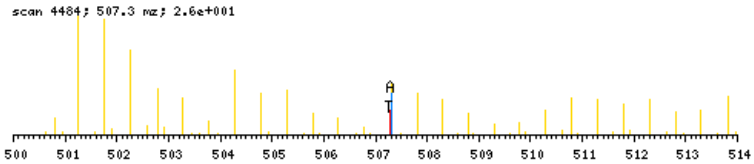
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYISAAELR, MH+ 1013.5843, m/z 507.2958
H OS G31 P160811 220811-s1.04488.04488.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



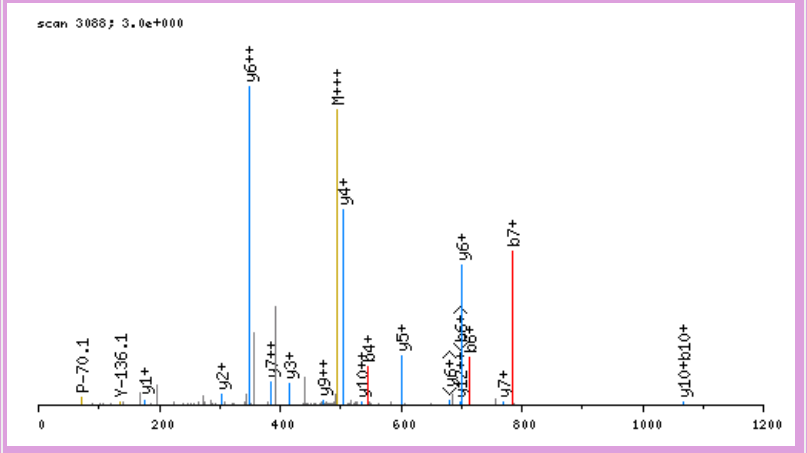
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	9		
255.1557	2	Y	8	922.4998	461.7538
368.2398	3	I	7	759.4365	380.2222
455.2718	4	S	6	646.3524	323.6801
526.3089	5	A	5	559.3204	280.1641
597.3460	6	A	4	488.2833	244.6455
726.3886	7	E	3	417.2462	209.1270
839.4727	8	L	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

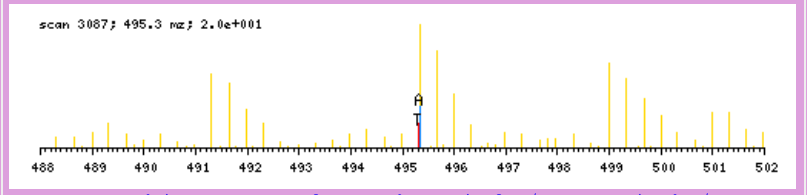
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYKEPAAPVSIQR, MH+ 1483.8909, m/z 495.3018
H OS G33 P160811 220811-s1.03088.03088.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



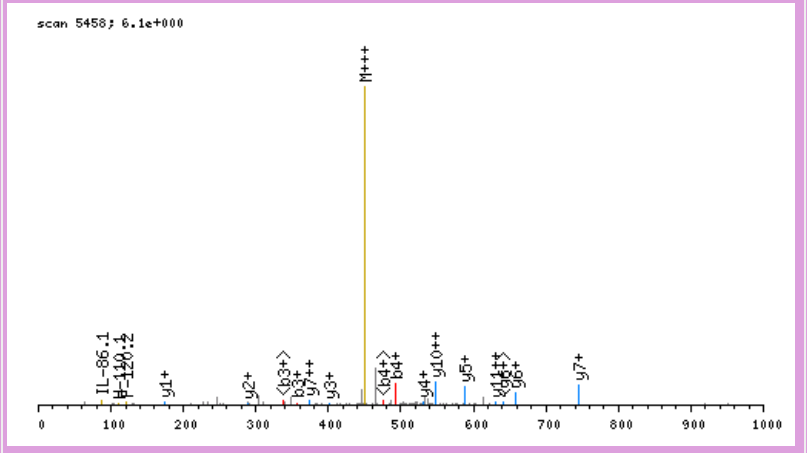
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
255.1557	2	Y	12	1392.8064	**696.9071**
417.3138	3	K	11	1229.7430	615.3754
546.3564	4	E	10	**1067.5849**	**534.2964**
643.4091	5	P	9	938.5423	**469.7751**
714.4463	6	A	8	841.4896	421.2487
785.4834	7	A	7	**770.4525**	**385.7301**
882.5361	8	P	6	**699.4153**	**350.2116**
981.6046	9	V	5	**602.3626**	301.6852
1068.6366	10	S	4	**503.2942**	252.1510
1181.7206	11	I	3	**416.2621**	208.6350
1309.7792	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

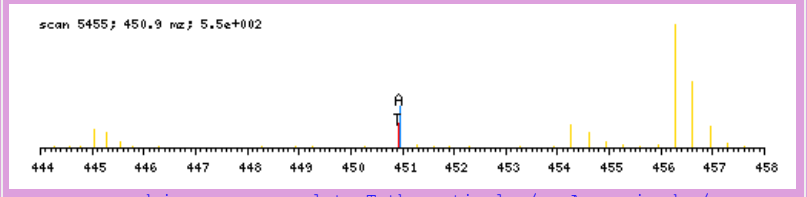
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYTHLSAGELLR, MH+ 1350.7593, m/z 450.9246
H OS G34 P160811 220811-s1.05458.05458.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



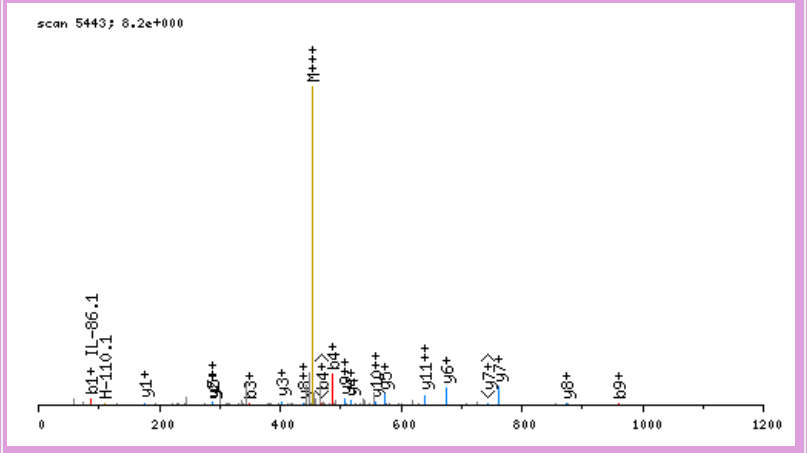
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
255.1557	2	Y	11	1259.6748	**630.3413**
356.2034	3	T	10	1096.6115	**548.8097**
493.2623	4	H	9	995.5638	498.2858
606.3463	5	L	8	858.5049	429.7564
693.3784	6	S	7	**745.4208**	**373.2143**
764.4155	7	A	6	**658.3888**	329.6983
821.4370	8	G	5	**587.3517**	294.1798
950.4795	9	E	4	**530.3302**	265.6690
1063.5636	10	L	3	**401.2876**	201.1477
1176.6477	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

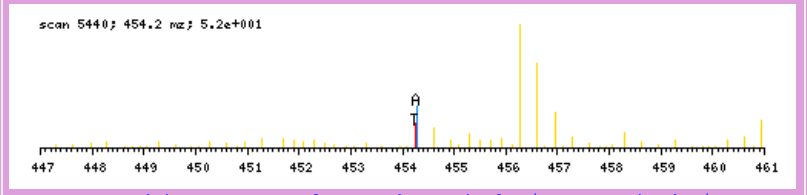
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYTHLSTGDLLR, MH+ 1360.7225, m/z 454.2457
L OS G34 P160811 220811-s1.05443.05443.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



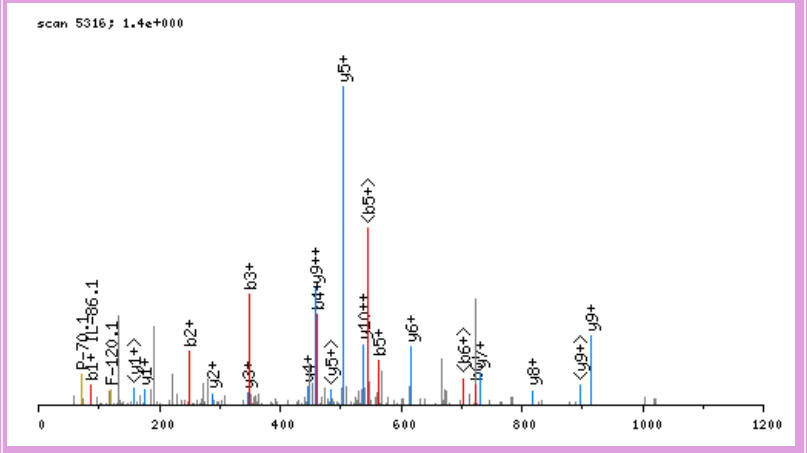
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
249.1239	2	Y	11	1275.6697	638.3388
350.1716	3	T	10	1112.6064	556.8071
487.2305	4	H	9	1011.5587	506.2833
600.3145	5	L	8	874.4998	437.7538
687.3466	6	S	7	761.4157	381.2118
788.3943	7	T	6	674.3837	337.6958
845.4157	8	G	5	573.3360	287.1719
960.4427	9	D	4	516.3146	258.6612
1073.5267	10	L	3	401.2876	201.1477
1186.6108	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

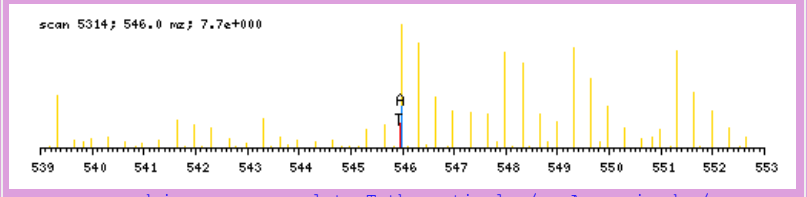
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GYVLTCPSNLGTGLR, MH+ 1635.8528, m/z 545.9558
L OS G30 P160811 220811-s1.05316.05316.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



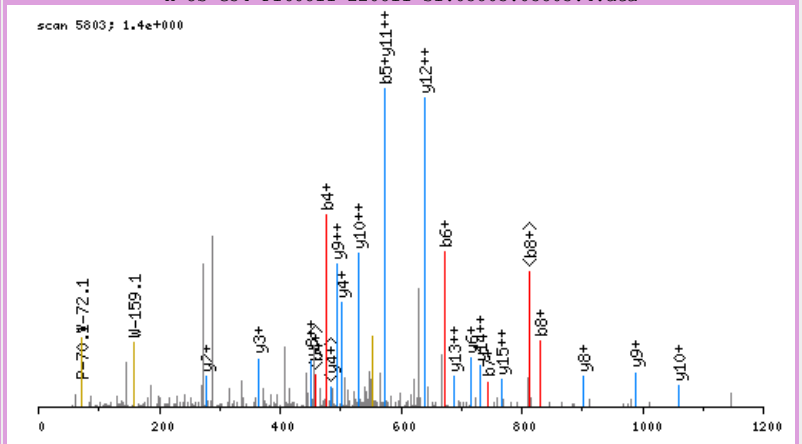
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**15**		
249.1239	**2**	**Y**	**14**	1550.8000	775.9039
348.1923	**3**	**V**	**13**	1387.7367	694.3723
461.2764	**4**	**L**	**12**	1288.6683	644.8381
562.3240	**5**	**T**	**11**	1175.5842	588.2960
722.3546	**6**	**C**	**10**	1074.5366	**537.7722**
819.4074	**7**	**P**	**9**	**914.5060**	**457.7569**
906.4394	**8**	**S**	**8**	**817.4532**	409.2305
1020.4824	**9**	**N**	**7**	**730.4212**	365.7145
1133.5664	**10**	**L**	**6**	**616.3782**	308.6930
1190.5879	**11**	**G**	**5**	**503.2942**	252.1510
1291.6356	**12**	**T**	**4**	**446.2727**	223.6403
1348.6570	**13**	**G**	**3**	**345.2250**	173.1164
1461.7411	**14**	**L**	**2**	**288.2036**	144.6057
	15	**R**	**1**	**175.1195**	88.0637

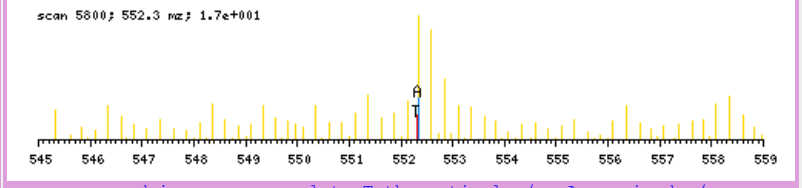
N-term:+29.04 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

HAFSPVASVESASGETLHSPK, MH+ 2206.1780, m/z 552.3000
H OS G34 P160811 220811-s1.05803.05803.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



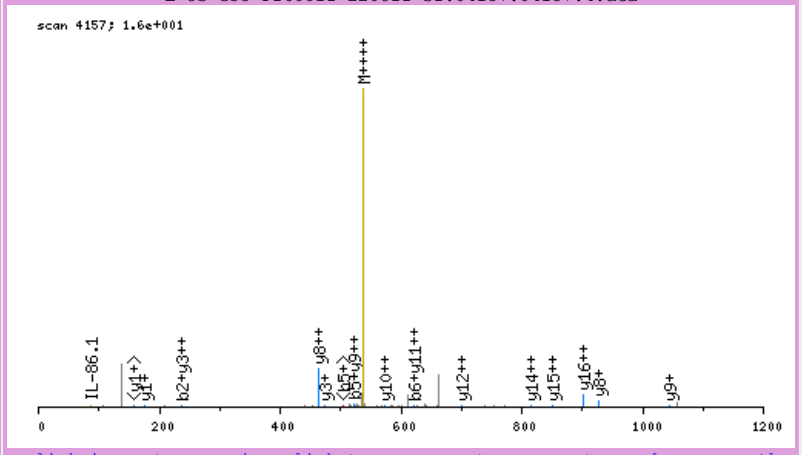
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	21		
243.1669	2	A	20	2035.0560	1018.0319
390.2353	3	F	19	1964.0189	982.5134
477.2674	4	S	18	1816.9505	908.9792
574.3201	5	P	17	1729.9185	865.4632
673.3885	6	V	16	1632.8657	816.9368
744.4257	7	A	15	1533.7973	**767.4026**
831.4577	8	S	14	1462.7602	**731.8840**
930.5261	9	V	13	1375.7282	**688.3680**
1059.5687	10	E	12	1276.6598	**638.8338**
1146.6007	11	S	11	1147.6172	**574.3125**
1217.6378	12	A	10	**1060.5851**	**530.7965**
1304.6699	13	S	9	**989.5480**	**495.2779**
1361.6913	14	G	8	**902.5160**	**451.7619**
1490.7339	15	E	7	845.4945	423.2512
1591.7816	16	T	6	**716.4519**	358.7299
1704.8657	17	L	5	615.4043	308.2060
1841.9246	18	H	4	**502.3202**	251.6640
1928.9566	19	S	3	**365.2613**	183.1346
2026.0094	20	P	2	**278.2293**	139.6185
	21	K	1	181.1765	91.0922

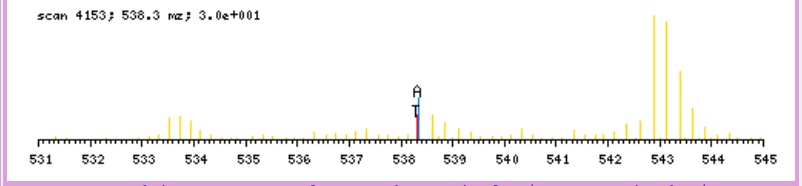
N-term:+35.07 K(21):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

HAITATQKTVDGPSGKLWR, MH+ 2150.2086, m/z 538.3076
L OS G35 P160811 220811-s1.04157.04157.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



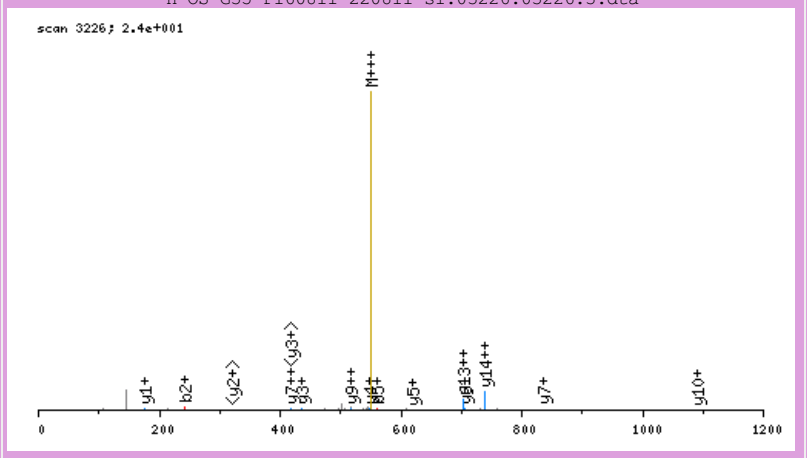
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	19		
237.1351	2	A	18	1985.1185	993.0631
350.2192	3	I	17	1914.0813	957.5446
451.2669	4	T	16	1800.9973	**901.0026**
522.3040	5	A	15	1699.9496	**850.4787**
623.3517	6	T	14	1628.9125	**814.9602**
751.4102	7	Q	13	1527.8648	764.4363
907.5365	8	K	12	1399.8062	**700.4070**
1008.5842	9	T	11	1243.6799	**622.3439**
1107.6526	10	V	10	1142.6323	**571.8200**
1222.6796	11	D	9	**1043.5638**	**522.2858**
1279.7010	12	G	8	**928.5369**	**464.7724**
1376.7538	13	P	7	871.5154	436.2616
1463.7858	14	S	6	774.4627	387.7352
1520.8073	15	G	5	687.4306	344.2192
1676.9336	16	K	4	630.4092	315.7085
1790.0177	17	L	3	**474.2829**	**237.6454**
1976.0970	18	W	2	361.1988	181.1033
	19	R	1	**175.1195**	88.0637

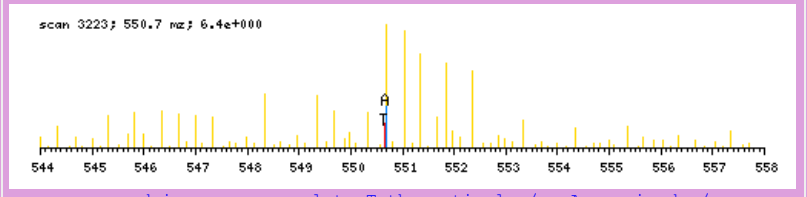
N-term:+29.04 K(8):+156.13
K(16):+156.13

HAPGKGLSQSALPYR, MH+ 1649.9764, m/z 550.6636
H OS G35 P160811 220811-s1.03226.03226.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



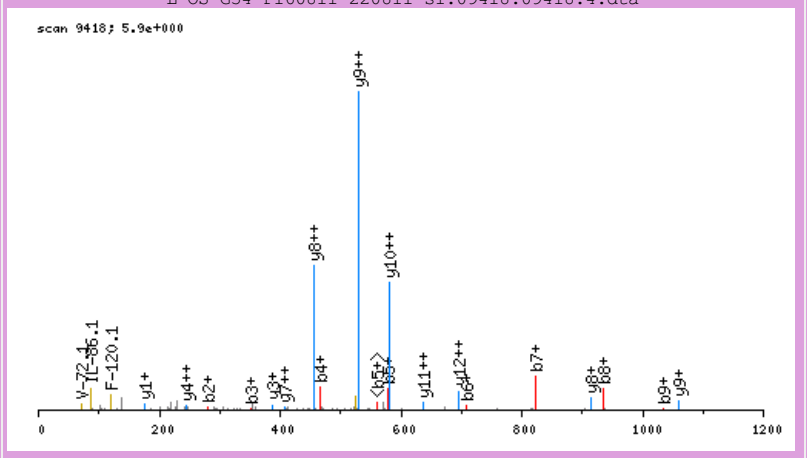
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	15		
243.1669	2	A	14	1478.8544	**739.9311**
340.2197	3	P	13	1407.8173	**704.4125**
397.2412	4	G	12	1310.7645	655.8862
559.3993	5	K	11	1253.7430	627.3754
616.4207	6	G	10	**1091.5849**	546.2964
729.5048	7	L	9	1034.5635	**517.7856**
816.5368	8	S	8	921.4794	461.2436
944.5954	9	Q	7	**834.4474**	**417.7276**
1031.6274	10	S	6	**706.3888**	353.6983
1102.6645	11	A	5	**619.3568**	310.1823
1215.7486	12	L	4	**548.3197**	274.6637
1312.8014	13	P	3	**435.2356**	218.1217
1475.8647	14	Y	2	338.1828	169.5953
	15	R	1	**175.1195**	88.0637

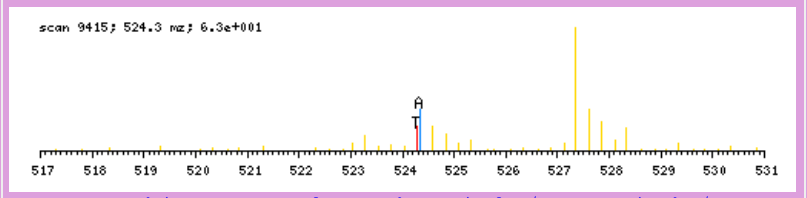
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HDAILEDLVFPSEIVGKR, MH+ 2094.1599, m/z 524.2954
L OS G34 P160811 220811-s1.09418.09418.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



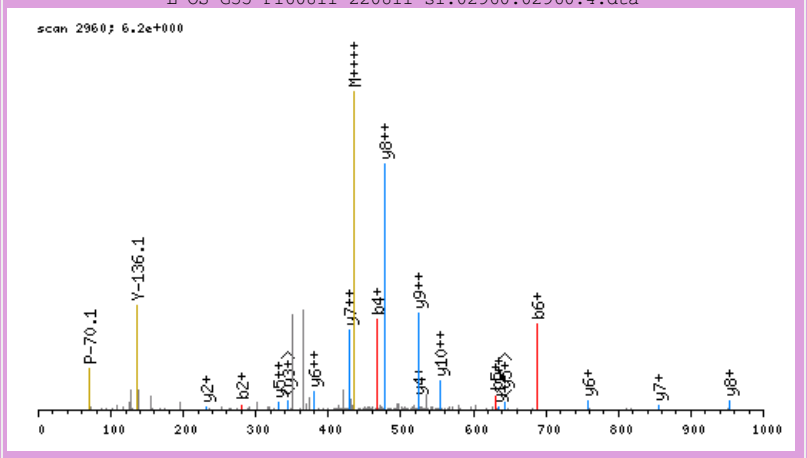
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	18		
281.1250	2	D	17	1929.0697	965.0388
352.1621	3	A	16	1814.0428	907.5253
465.2461	4	I	15	1743.0057	872.0068
578.3302	5	L	14	1629.9216	815.4647
707.3728	6	E	13	1516.8376	758.9227
822.3997	7	D	12	1387.7950	**694.4014**
935.4838	8	L	11	1272.7680	**636.8879**
1034.5522	9	V	10	1159.6840	**580.3459**
1181.6206	10	F	9	**1060.6155**	**530.8117**
1278.6734	11	P	8	**913.5471**	**457.2775**
1365.7054	12	S	7	816.4944	**408.7511**
1494.7480	13	E	6	729.4623	365.2351
1607.8321	14	I	5	600.4197	300.7138
1706.9005	15	V	4	487.3357	**244.1718**
1763.9220	16	G	3	**388.2673**	194.6375
1920.0483	17	K	2	331.2458	166.1268
	18	R	1	**175.1195**	88.0637

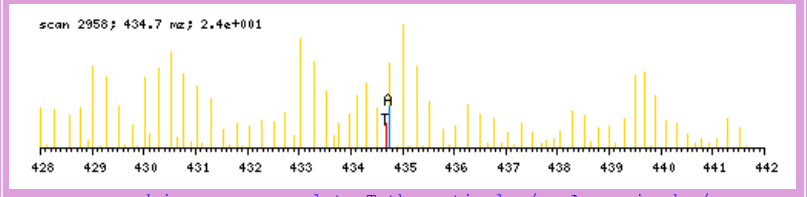
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HDEGYGPPPPHYEGR, MH+ 1735.7828, m/z 434.7012
L OS G35 P160811 220811-s1.02960.02960.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



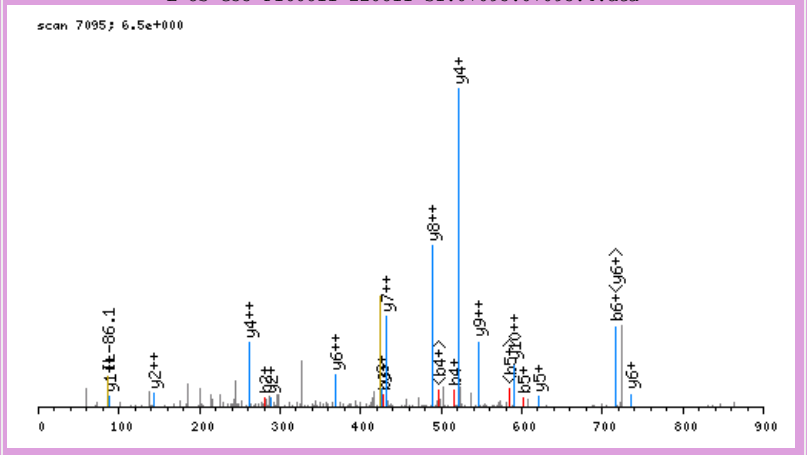
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	15		
281.1250	2	D	14	1570.6926	785.8502
410.1675	3	E	13	1455.6657	728.3368
467.1890	4	G	12	1326.6231	663.8155
630.2523	5	Y	11	1269.6016	**635.3047**
687.2738	6	G	10	1106.5383	**553.7731**
784.3266	7	P	9	1049.5169	**525.2623**
881.3793	8	P	8	**952.4641**	**476.7360**
978.4321	9	P	7	**855.4113**	**428.2096**
1075.4849	10	P	6	**758.3586**	**379.6832**
1212.5438	11	H	5	661.3058	**331.1568**
1375.6071	12	Y	4	**524.2469**	262.6274
1504.6497	13	E	3	361.1836	181.0957
1561.6712	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

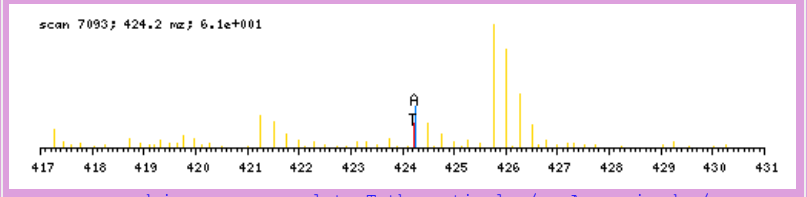
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HDFSSDLENVPHLR, MH+ 1693.8298, m/z 424.2129
L OS G35 P160811 220811-s1.07095.07095.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



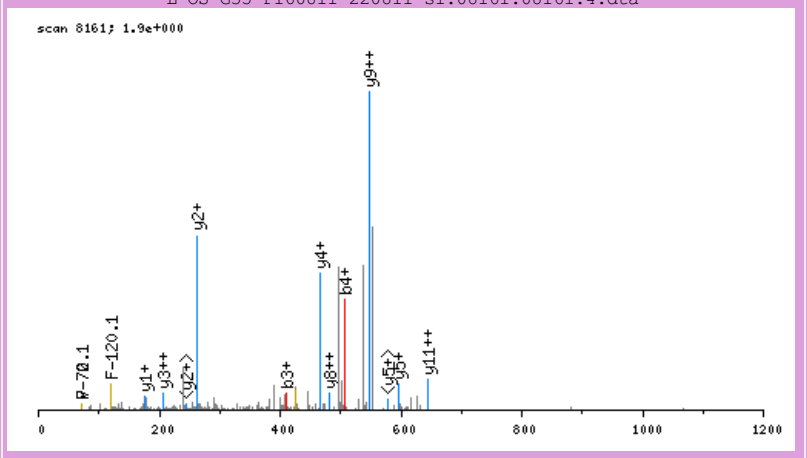
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
281.1250	2	D	13	1528.7396	764.8737
428.1934	3	F	12	1413.7127	707.3602
515.2254	4	S	11	1266.6442	633.8260
602.2574	5	S	10	1179.6122	**590.3100**
717.2844	6	D	9	1092.5802	**546.7940**
830.3684	7	L	8	977.5532	**489.2805**
959.4110	8	E	7	864.4692	**432.7385**
1073.4540	9	N	6	**735.4266**	**368.2172**
1172.5224	10	V	5	**621.3837**	311.1957
1269.5751	11	P	4	**522.3152**	**261.6615**
1406.6340	12	H	3	**425.2625**	213.1352
1519.7181	13	L	2	**288.2036**	**144.6057**
	14	R	1	175.1195	**88.0637**

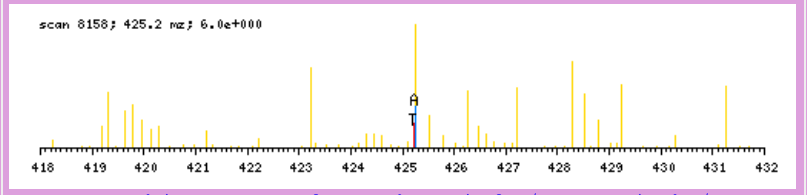
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HEDPVEKVIEGFSR, MH+ 1697.8863, m/z 425.2270
L OS G35 P160811 220811-s1.08161.08161.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

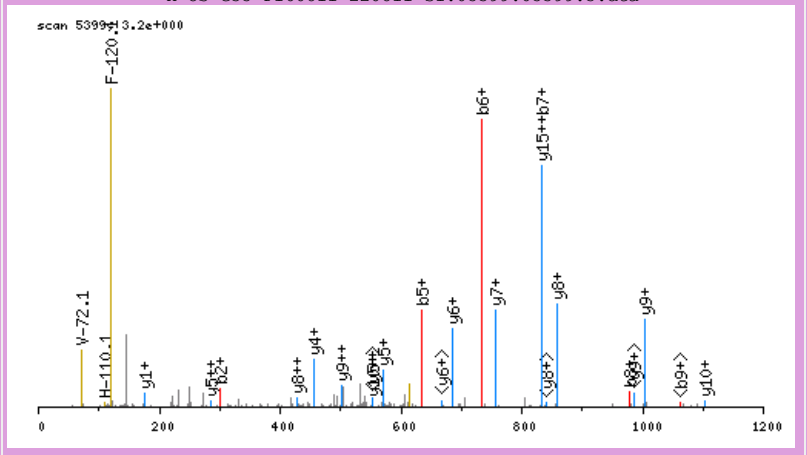


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

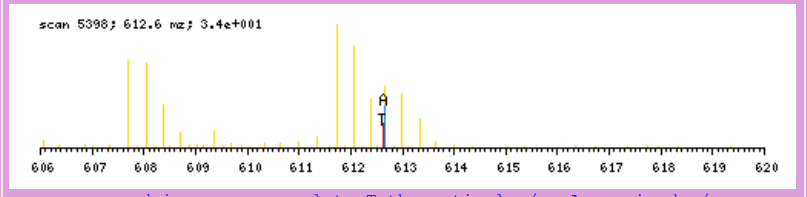
b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
295.1406	2	E	13	1532.7961	766.9020
410.1675	3	D	12	1403.7535	702.3807
507.2203	4	P	11	1288.7265	**644.8672**
606.2887	5	V	10	1191.6738	596.3408
735.3313	6	E	9	1092.6054	**546.8066**
891.4576	7	K	8	963.5628	**482.2853**
990.5260	8	V	7	807.4365	404.2222
1103.6101	9	I	6	708.3681	354.6879
1232.6527	10	E	5	**595.2840**	298.1459
1289.6742	11	G	4	**466.2414**	233.6246
1436.7426	12	F	3	409.2199	**205.1139**
1523.7746	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

N-term:+29.04 K(7):+156.13

HEFADVVFTANDSGHR, MH+ 1835.8889, m/z 612.6345
H OS G35 P160811 220811-s1.05399.05399.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

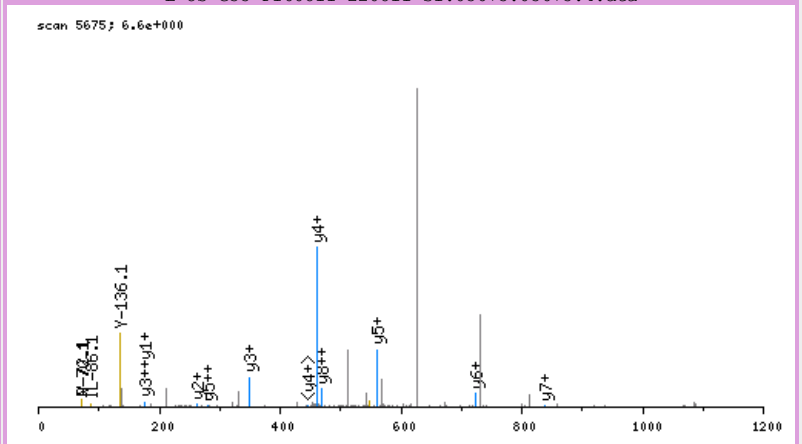
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	16		
301.1724	2	E	15	1664.7669	**832.8873**
448.2408	3	F	14	1535.7243	768.3661
519.2779	4	A	13	1388.6559	694.8318
634.3049	5	D	12	1317.6188	659.3133
733.3733	6	V	11	1202.5918	601.7998
832.4417	7	V	10	**1103.5234**	**552.2656**
979.5101	8	F	9	**1004.4550**	**502.7314**
1080.5578	9	T	8	**857.3866**	**429.1972**
1151.5949	10	A	7	**756.3389**	378.6734
1265.6378	11	N	6	**685.3018**	343.1548
1380.6648	12	D	5	**571.2588**	**286.1333**
1467.6968	13	S	4	**456.2319**	228.6199
1524.7183	14	G	3	369.1999	185.1039
1661.7772	15	H	2	312.1784	156.5931
	16	R	1	**175.1195**	88.0637

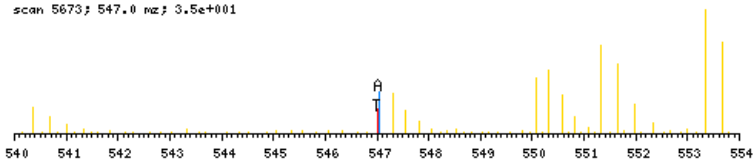
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HENLKGGDDLDPNYVLSSR, MH+ 2185.0889, m/z 547.0277
L OS G35 P160811 220811-s1.05675.05675.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



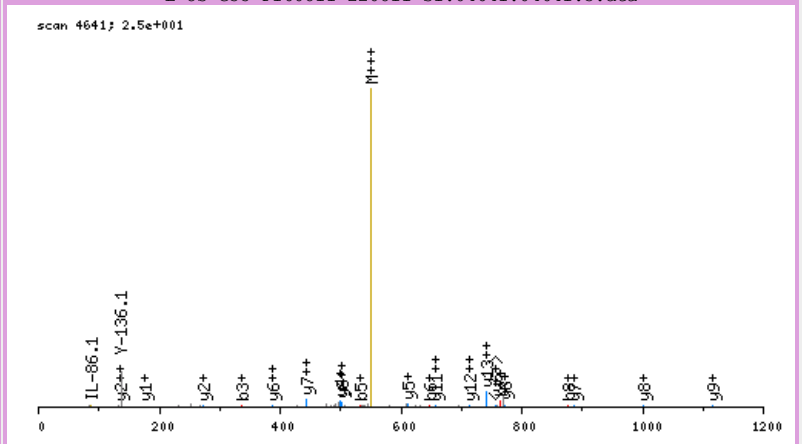
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	19		
295.1406	2	E	18	2019.9988	1010.5033
409.1835	3	N	17	1890.9562	945.9820
522.2676	4	L	16	1776.9132	888.9605
678.3939	5	K	15	1663.8292	832.4185
735.4154	6	G	14	1507.7029	754.3554
792.4368	7	G	13	1450.6814	725.8446
907.4638	8	D	12	1393.6599	697.3339
1022.4907	9	D	11	1278.6330	639.8204
1135.5748	10	L	10	1163.6061	582.3069
1250.6017	11	D	9	1050.5220	525.7649
1347.6545	12	P	8	935.4951	**468.2514**
1461.6974	13	N	7	**838.4423**	419.7251
1624.7607	14	Y	6	**724.3994**	362.7036
1723.8292	15	V	5	**561.3360**	**281.1719**
1836.9132	16	L	4	**462.2676**	231.6377
1923.9452	17	S	3	**349.1836**	**175.0957**
2010.9773	18	S	2	**262.1515**	131.5797
	19	R	1	**175.1195**	88.0637

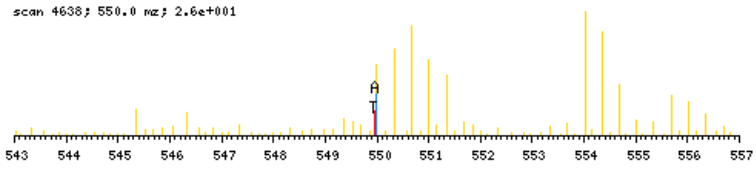
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HGNPVDDICIAKPR, MH+ 1647.8640, m/z 549.9595
L OS G35 P160811 220811-s1.04641.04641.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



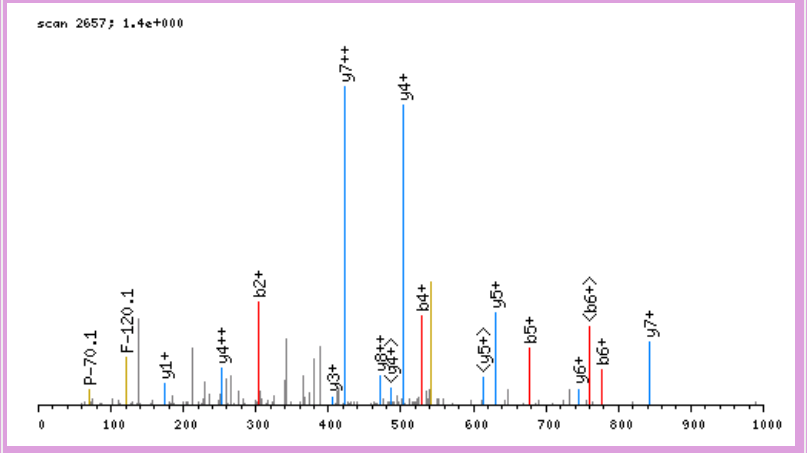
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
223.1195	2	G	13	1482.7739	**741.8908**
337.1624	3	N	12	1425.7524	**713.3801**
434.2152	4	P	11	1311.7095	**656.3586**
533.2836	5	V	10	1214.6567	607.8323
648.3105	6	D	9	**1115.5883**	558.2981
763.3375	7	D	8	**1000.5613**	**500.7846**
876.4215	8	I	7	**885.5344**	**443.2711**
1036.4521	9	C	6	**772.4503**	**386.7291**
1149.5362	10	I	5	**612.4197**	306.7138
1220.5733	11	A	4	**499.3357**	250.1718
1376.6996	12	K	3	428.2986	214.6532
1473.7524	13	P	2	**272.1723**	**136.5900**
	14	R	1	**175.1195**	88.0637

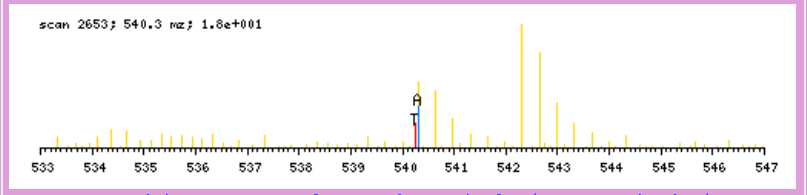
N-term:+29.04 C(9):+160.03
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HHPEFTPDQPTER, MH+ 1618.7614, m/z 540.2586
L OS G35 P160811 220811-s1.02657.02657.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



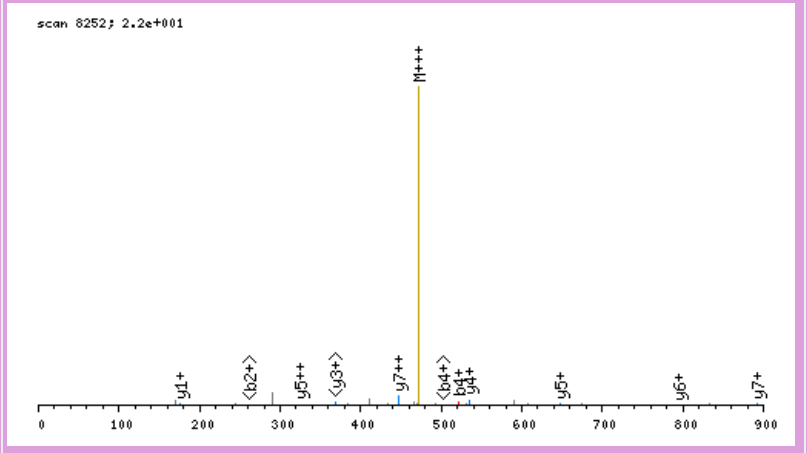
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	13		
303.1569	2	H	12	1453.6712	727.3395
400.2097	3	P	11	1316.6123	658.8100
529.2523	4	E	10	1219.5595	610.2837
676.3207	5	F	9	1090.5169	545.7624
777.3684	6	T	8	943.4485	**472.2282**
874.4211	7	P	7	**842.4008**	**421.7043**
989.4481	8	D	6	**745.3481**	373.1779
1117.5067	9	Q	5	**630.3211**	315.6645
1214.5594	10	P	4	**502.2625**	**251.6352**
1315.6071	11	T	3	**405.2098**	203.1088
1444.6497	12	E	2	304.1621	152.5850
	13	R	1	**175.1195**	88.0637

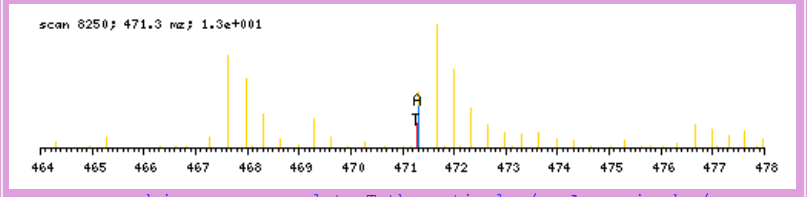
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HLNQPFLFVLR, MH+ 1411.8214, m/z 471.2786
L OS G34 P160811 220811-s1.08252.08252.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



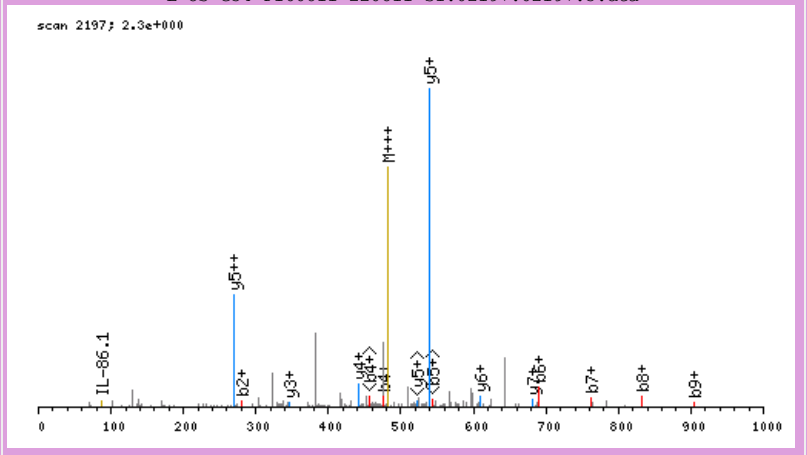
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	11		
279.1821	2	L	10	1246.7312	623.8695
393.2250	3	N	9	1133.6471	567.3275
521.2836	4	Q	8	1019.6042	510.3060
618.3363	5	P	7	**891.5456**	**446.2767**
765.4048	6	F	6	**794.4929**	397.7503
878.4888	7	L	5	**647.4245**	**324.2161**
1025.5572	8	F	4	**534.3404**	267.6741
1124.6257	9	V	3	387.2720	194.1399
1237.7097	10	L	2	288.2036	144.6057
	11	R	1	**175.1195**	88.0637

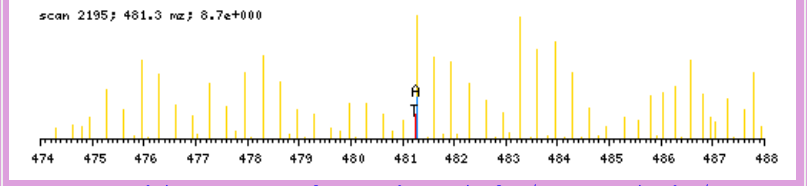
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HNPPSEAAAPPVAR, MH+ 1441.7552, m/z 481.2566
L OS G34 P160811 220811-s1.02197.02197.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

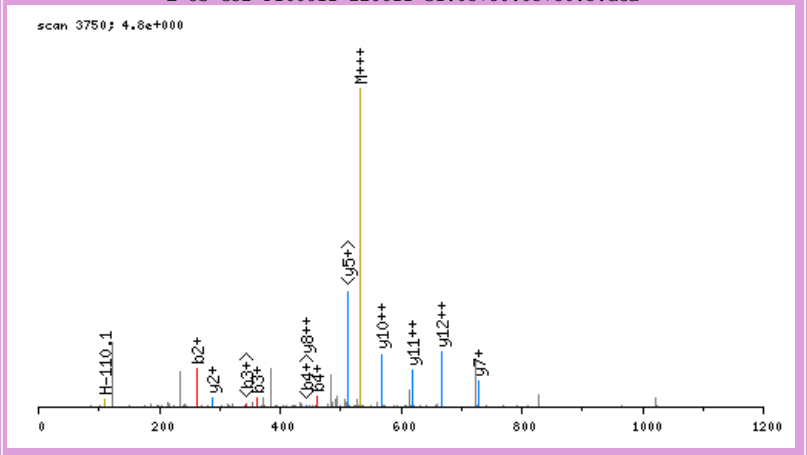


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

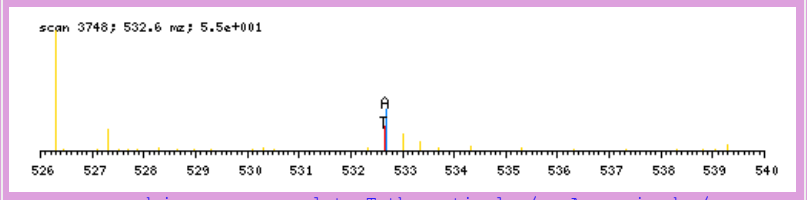
b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
280.1409	2	N	13	1276.6650	638.8364
377.1937	3	P	12	1162.6220	581.8149
474.2465	4	P	11	1065.5693	533.2886
561.2785	5	S	10	968.5165	484.7622
690.3211	6	E	9	881.4845	441.2462
761.3582	7	A	8	752.4419	376.7249
832.3953	8	A	7	**681.4048**	341.2063
903.4324	9	A	6	**610.3677**	305.6877
1000.4852	10	P	5	**539.3306**	**270.1692**
1097.5380	11	P	4	**442.2778**	221.6428
1196.6064	12	V	3	**345.2250**	173.1164
1267.6435	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

N-term:+29.04

HPVVSYKVTSPGLR, MH+ 1595.9273, m/z 532.6473
L OS G32 P160811 220811-s1.03750.03750.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

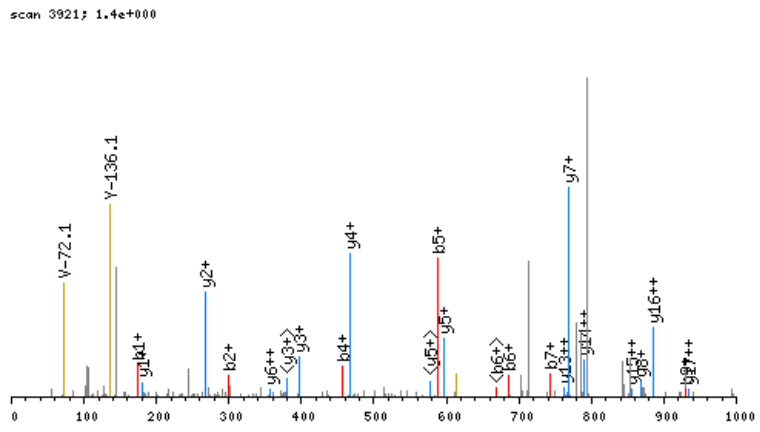
b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
263.1508	2	P	13	1430.8372	715.9225
362.2192	3	V	12	1333.7844	**667.3961**
461.2876	4	V	11	1234.7160	**617.8619**
548.3196	5	S	10	1135.6476	**568.3277**
711.3830	6	Y	9	1048.6155	524.8117
867.5093	7	K	8	885.5522	**443.2800**
966.5777	8	V	7	**729.4259**	365.2169
1067.6254	9	T	6	630.3575	315.6827
1154.6574	10	S	5	529.3098	265.1588
1251.7101	11	P	4	442.2778	221.6428
1308.7316	12	G	3	345.2250	173.1164
1421.8157	13	L	2	**288.2036**	144.6057
	14	R	1	175.1195	88.0637

N-term:+29.04 K(7):+156.13

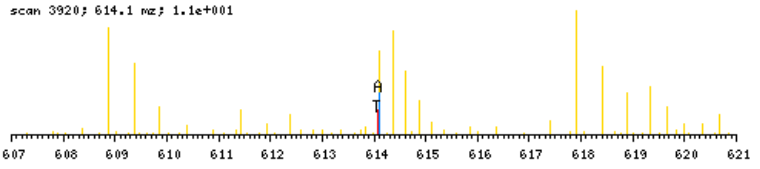
X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HQGVMVGMGQKDSYVGDEAQSK, MH+ 2453.2654, m/z 614.0718
H OS G34 P160811 220811-s1.03921.03921.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



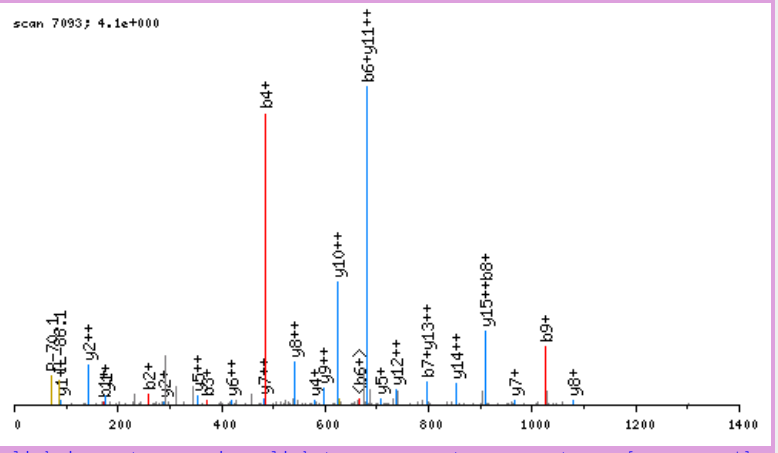
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	22		
300.1884	2	Q	21	2282.1434	1141.5756
357.2099	3	G	20	2154.0848	1077.5463
456.2783	4	V	19	2097.0633	1049.0356
587.3188	5	M	18	1997.9949	999.5014
686.3872	6	V	17	1866.9544	**933.9811**
743.4086	7	G	16	1767.8860	**884.4469**
874.4491	8	M	15	1710.8645	**855.9362**
931.4706	9	G	14	1579.8241	**790.4159**
1059.5292	10	Q	13	1522.8026	**761.9052**
1221.6873	11	K	12	1394.7440	697.8759
1336.7142	12	D	11	1232.5859	616.7969
1423.7462	13	S	10	1117.5590	559.2834
1586.8096	14	Y	9	1030.5270	515.7674
1685.8780	15	V	8	**867.4636**	434.2357
1742.8994	16	G	7	**768.3952**	384.7015
1857.9264	17	D	6	711.3737	**356.1908**
1986.9690	18	E	5	**596.3468**	298.6773
2058.0061	19	A	4	**467.3042**	234.1560
2186.0647	20	Q	3	**396.2671**	198.6375
2273.0967	21	S	2	**268.2085**	134.6082
	22	K	1	**181.1765**	91.0922

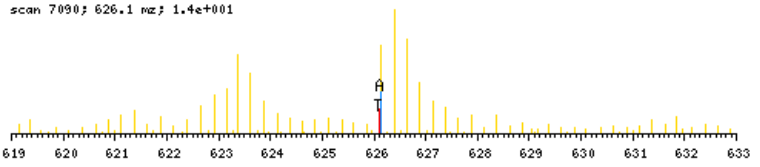
N-term:+35.07 K(11):+162.16
K(22):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

HSILPVDDDINGLNEEQKQLR, MH+ 2501.3636, m/z 626.0964
H OS G34 P160811 220811-s1.07093.07093.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



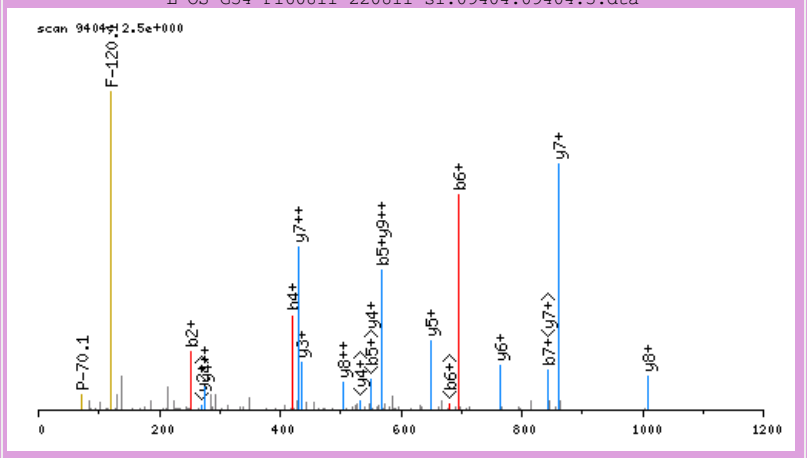
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	21		
259.1618	2	S	20	2330.2416	1165.6247
372.2459	3	I	19	2243.2096	1122.1087
485.3300	4	L	18	2130.1255	1065.5667
582.3827	5	P	17	2017.0415	1009.0246
681.4511	6	V	16	1919.9887	960.4983
796.4781	7	D	15	1820.9203	**910.9641**
911.5050	8	D	14	1705.8933	**853.4506**
1026.5320	9	D	13	1590.8664	**795.9371**
1139.6160	10	I	12	1475.8395	**738.4236**
1253.6590	11	N	11	1362.7554	**681.8816**
1310.6804	12	G	10	1248.7125	**624.8601**
1423.7645	13	L	9	1191.6910	**596.3494**
1537.8074	14	N	8	**1078.6069**	**539.8074**
1666.8500	15	E	7	**964.5640**	**482.7859**
1795.8926	16	E	6	835.5214	**418.2646**
1923.9512	17	Q	5	**706.4788**	**353.7433**
2086.1093	18	K	4	**578.4202**	289.7140
2214.1679	19	Q	3	416.2621	208.6350
2327.2519	20	L	2	**288.2036**	**144.6057**
	21	R	1	**175.1195**	**88.0637**

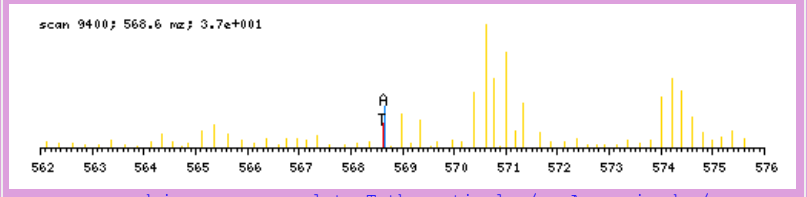
N-term:+35.07 K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HSPAFQFPDVDFLR, MH+ 1703.8545, m/z 568.6230
L OS G34 P160811 220811-s1.09404.09404.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



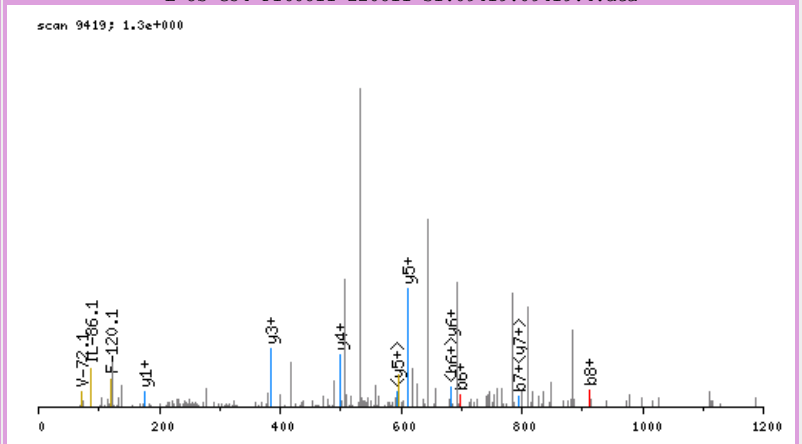
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
253.1300	2	S	13	1538.7644	769.8861
350.1828	3	P	12	1451.7323	726.3701
421.2199	4	A	11	1354.6796	677.8437
568.2883	5	F	10	1283.6424	642.3251
696.3469	6	Q	9	1136.5740	**568.7909**
843.4153	7	F	8	**1008.5155**	**504.7616**
940.4681	8	P	7	**861.4470**	**431.2274**
1055.4950	9	D	6	**764.3943**	382.7011
1154.5634	10	V	5	**649.3673**	325.1876
1269.5904	11	D	4	**550.2989**	**275.6534**
1416.6588	12	F	3	**435.2720**	218.1399
1529.7429	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

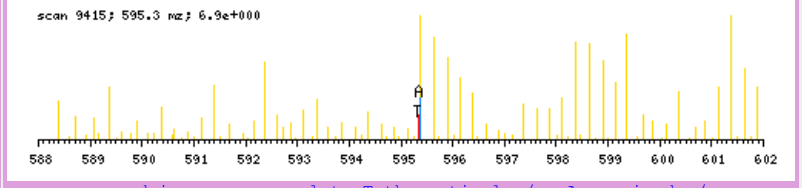
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

HSSLMDPDTKLIGNMALLPLR, MH+ 2378.2940, m/z 595.3290
L OS G34 P160811 220811-s1.09419.09419.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



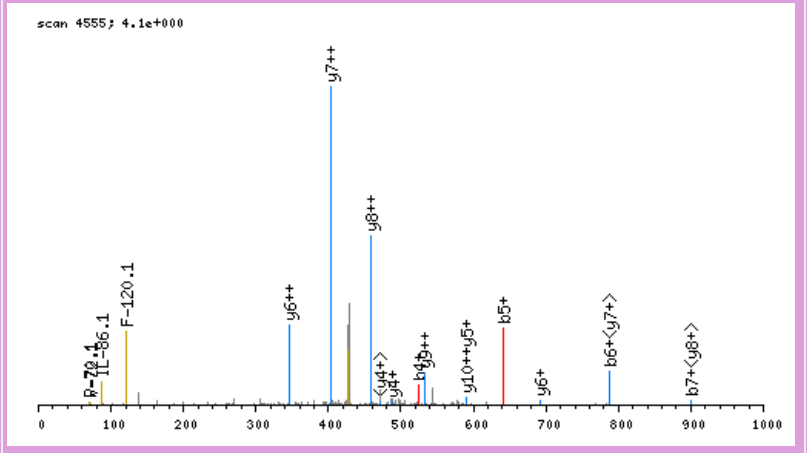
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	21		
253.1300	2	S	20	2213.2038	1107.1058
340.1621	3	S	19	2126.1718	1063.5898
453.2461	4	L	18	2039.1398	1020.0738
584.2866	5	M	17	1926.0557	963.5318
699.3136	6	D	16	1795.0152	898.0115
796.3663	7	P	15	1679.9883	840.4980
911.3933	8	D	14	1582.9355	791.9717
1012.4409	9	T	13	1467.9086	734.4582
1168.5672	10	K	12	1366.8609	683.9343
1281.6513	11	L	11	1210.7346	605.8712
1394.7354	12	I	10	1097.6505	549.3292
1451.7568	13	G	9	984.5664	492.7871
1565.7998	14	N	8	927.5450	464.2764
1696.8402	15	M	7	813.5021	407.2549
1767.8774	16	A	6	**682.4616**	341.7347
1880.9614	17	L	5	**611.4245**	306.2161
1994.0455	18	L	4	**498.3404**	249.6741
2091.0983	19	P	3	**385.2563**	193.1321
2204.1823	20	L	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

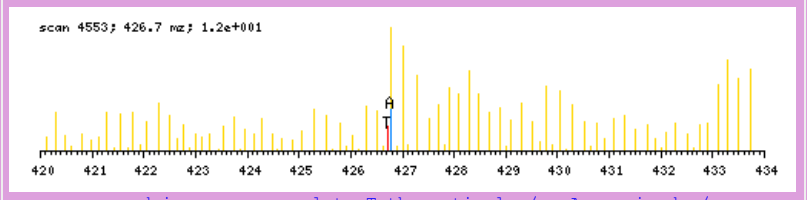
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HTEEDFIITTKTGR, MH+ 1703.8968, m/z 426.7297
L OS G35 P160811 220811-s1.04555.04555.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



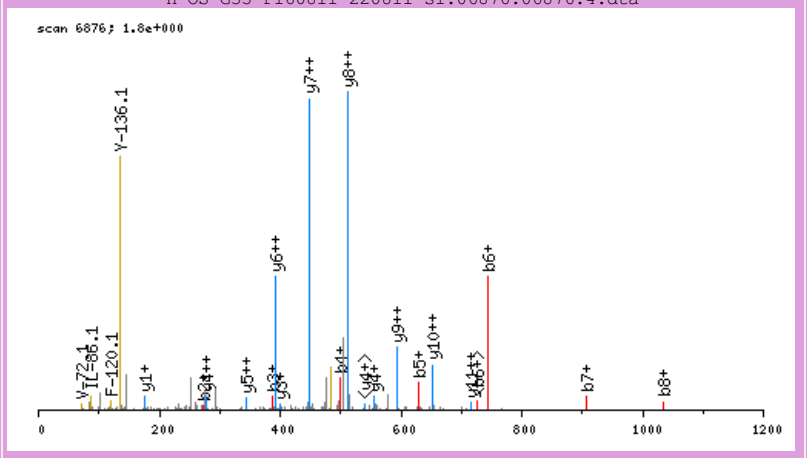
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
267.1457	2	T	13	1538.8066	769.9072
396.1883	3	E	12	1437.7590	719.3834
525.2309	4	E	11	1308.7164	654.8621
640.2578	5	D	10	1179.6738	**590.3408**
787.3262	6	F	9	1064.6468	**532.8273**
900.4103	7	I	8	917.5784	**459.2931**
1013.4944	8	I	7	804.4944	**402.7511**
1114.5420	9	T	6	**691.4103**	**346.2091**
1215.5897	10	T	5	**590.3626**	295.6852
1371.7160	11	K	4	**489.3149**	245.1614
1472.7637	12	T	3	333.1886	167.0982
1529.7852	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

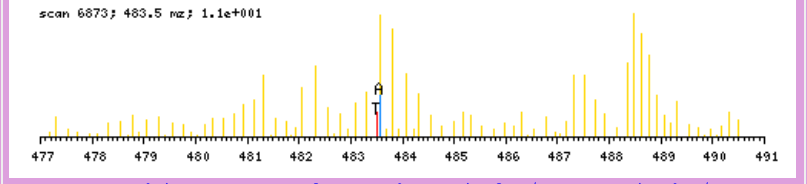
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HTLLEDYQIVERPQR, MH+ 1931.0563, m/z 483.5195
H OS G35 P160811 220811-s1.06876.06876.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



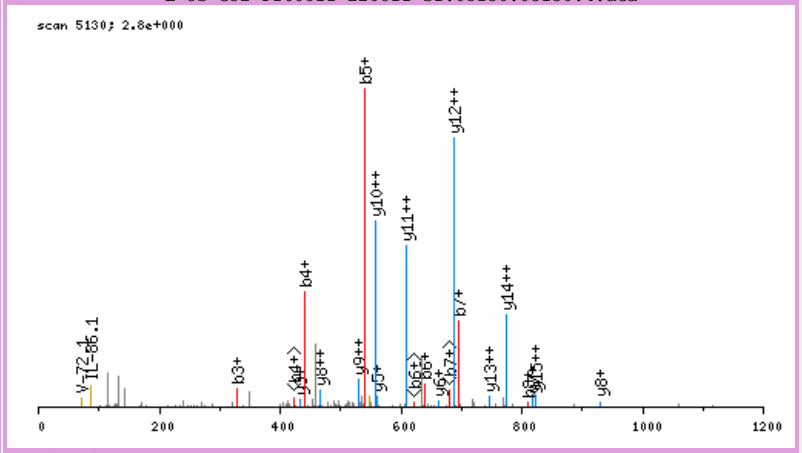
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	15		
273.1775	2	T	14	1759.9343	880.4710
386.2616	3	L	13	1658.8866	829.9472
499.3456	4	L	12	1545.8025	773.4052
628.3882	5	E	11	1432.7185	716.8631
743.4152	6	D	10	1303.6759	652.3418
906.4785	7	Y	9	1188.6489	594.8284
1034.5371	8	Q	8	1025.5856	513.2967
1147.6211	9	I	7	897.5270	449.2674
1246.6895	10	V	6	784.4430	392.7254
1375.7321	11	E	5	685.3745	343.1912
1531.8332	12	R	4	556.3320	278.6699
1628.8860	13	P	3	400.2308	200.6193
1756.9446	14	Q	2	303.1781	152.0930
	15	R	1	175.1195	88.0637

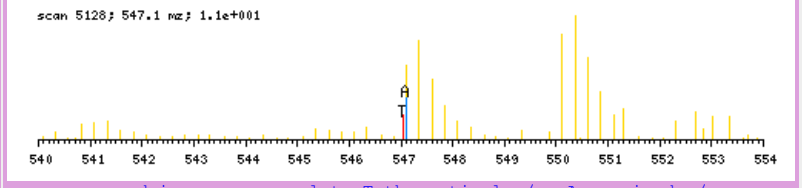
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IADLVVGLCTGQIKTGAPCR, MH+ 2185.1836, m/z 547.0514
L OS G32 P160811 220811-s1.05130.05130.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



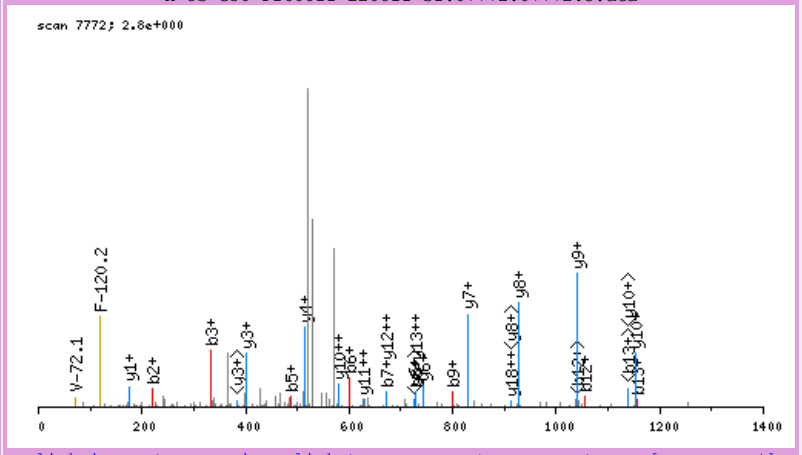
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	20		
213.1603	2	A	19	2044.0683	1022.5381
328.1872	3	D	18	1973.0312	987.0195
441.2713	4	L	17	1858.0042	929.5060
540.3397	5	V	16	1744.9202	872.9640
639.4081	6	V	15	1645.8517	**823.4298**
696.4296	7	G	14	1546.7833	**773.8956**
809.5136	8	L	13	1489.7619	**745.3848**
969.5442	9	C	12	1376.6778	**688.8428**
1070.5919	10	T	11	1216.6472	**608.8275**
1127.6134	11	G	10	1115.5995	**558.3037**
1255.6720	12	Q	9	1058.5781	**529.7929**
1368.7560	13	I	8	**930.5195**	**465.7637**
1524.8823	14	K	7	**817.4354**	409.2216
1625.9300	15	T	6	**661.3091**	331.1585
1682.9515	16	G	5	**560.2614**	280.6346
1753.9886	17	A	4	503.2400	252.1239
1851.0413	18	P	3	**432.2029**	216.6053
2011.0719	19	C	2	335.1501	168.0790
	20	R	1	175.1195	88.0637

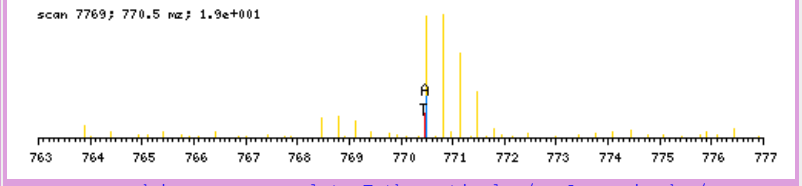
N-term:+29.04 C(9):+160.03
K(14):+156.13 C(19):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IAIPGLAGAGNSVLLVSNLNPER, MH+ 2309.3405, m/z 770.4517
H OS G30 P160811 220811-s1.07772.07772.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



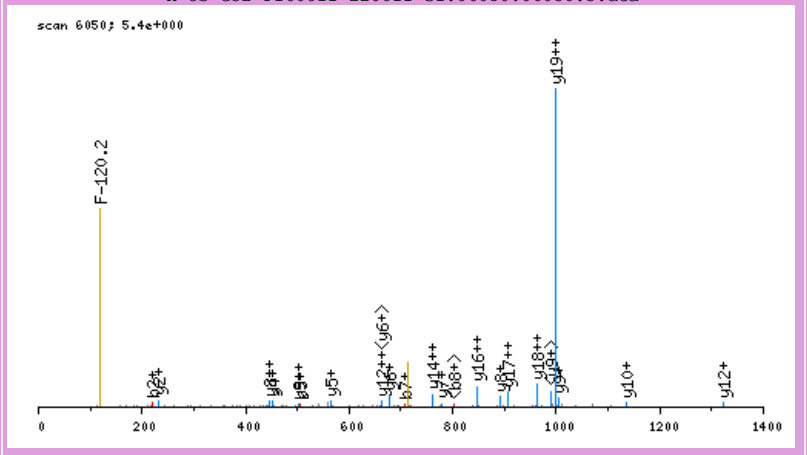
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	23		
219.1921	2	A	22	2162.1933	1081.6006
332.2761	3	I	21	2091.1562	1046.0820
429.3289	4	P	20	1978.0722	989.5400
486.3504	5	G	19	1881.0194	941.0136
599.4344	6	L	18	1823.9979	**912.5029**
670.4715	7	A	17	1710.9139	855.9608
727.4930	8	G	16	1639.8768	820.4423
798.5301	9	A	15	1582.8553	791.9316
855.5516	10	G	14	1511.8182	756.4130
969.5945	11	N	13	1454.7967	**727.9023**
1056.6265	12	S	12	1340.7538	**670.8808**
1155.6950	13	V	11	1253.7218	**627.3648**
1268.7790	14	L	10	**1154.6533**	**577.8306**
1381.8631	15	L	9	**1041.5693**	521.2886
1480.9315	16	V	8	**928.4852**	464.7465
1567.9635	17	S	7	**829.4168**	415.2123
1682.0065	18	N	6	**742.3848**	371.6963
1795.0905	19	L	5	628.3418	314.6748
1909.1334	20	N	4	**515.2578**	258.1328
2006.1862	21	P	3	**401.2149**	201.1113
2135.2288	22	E	2	304.1621	152.5850
	23	R	1	**175.1195**	88.0637

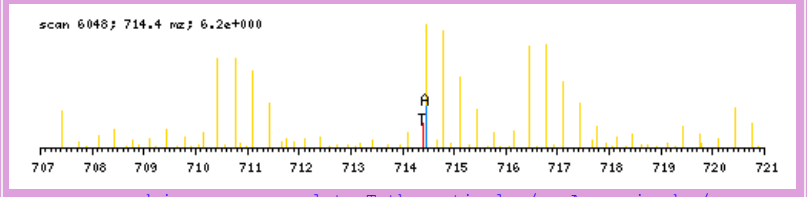
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IALDGDSLSTEDLVNLGKGR, MH+ 2141.2090, m/z 714.4079
H OS G32 P160811 220811-s1.06050.06050.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



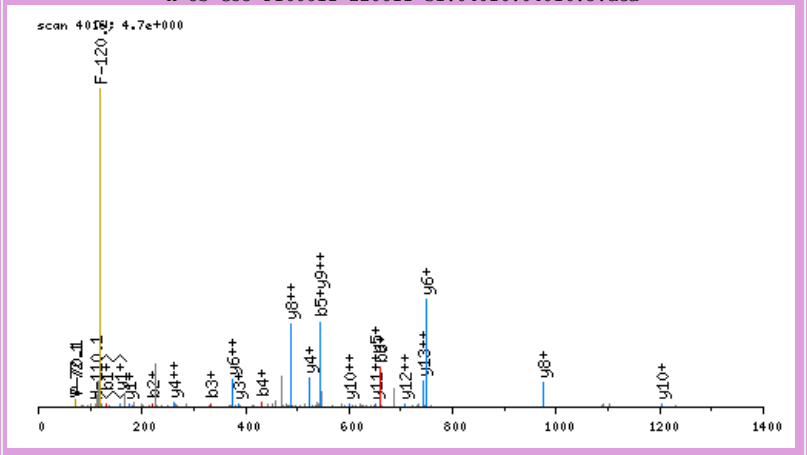
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	20		
219.1921	2	A	19	1994.0619	**997.5348**
332.2761	3	L	18	1923.0247	**962.0163**
447.3031	4	D	17	1809.9407	**905.4743**
504.3245	5	G	16	1694.9137	**847.9608**
619.3515	6	D	15	1637.8923	819.4501
706.3835	7	S	14	1522.8653	**761.9366**
819.4676	8	L	13	1435.8333	718.4206
906.4996	9	S	12	**1322.7492**	**661.8785**
1007.5473	10	T	11	1235.7172	618.3625
1136.5899	11	E	10	**1134.6695**	567.8387
1251.6168	12	D	9	**1005.6269**	**503.3174**
1364.7009	13	L	8	**890.6000**	**445.8039**
1463.7693	14	V	7	**777.5159**	389.2619
1577.8122	15	N	6	**678.4475**	339.7277
1690.8963	16	L	5	**564.4046**	282.7062
1747.9178	17	G	4	**451.3205**	226.1642
1910.0759	18	K	3	394.2991	197.6534
1967.0973	19	G	2	**232.1410**	116.5744
	20	R	1	175.1195	88.0637

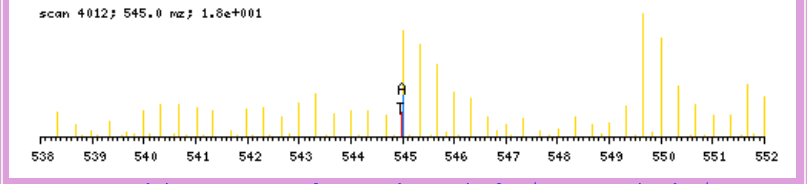
N-term:+35.07 K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IALVNDPQPEHPLR, MH+ 1632.9285, m/z 544.9810
H OS G33 P160811 220811-s1.04016.04016.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



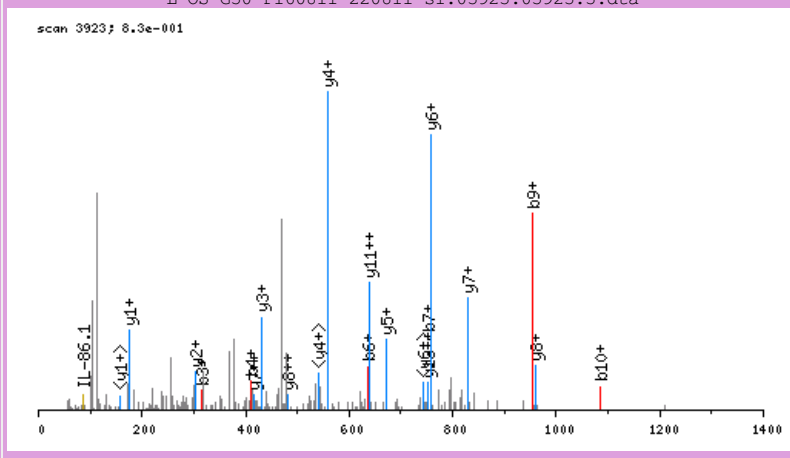
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
219.1921	2	A	13	1485.7814	743.3946
332.2761	3	L	12	1414.7443	707.8761
431.3446	4	V	11	1301.6602	651.3340
545.3875	5	N	10	1202.5918	601.7998
660.4144	6	D	9	1088.5489	544.7784
757.4672	7	P	8	973.5219	487.2649
885.5258	8	Q	7	876.4692	438.7385
982.5785	9	P	6	748.4106	374.7092
1111.6211	10	E	5	651.3578	326.1828
1248.6800	11	H	4	522.3152	261.6615
1345.7328	12	P	3	385.2563	193.1321
1458.8169	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

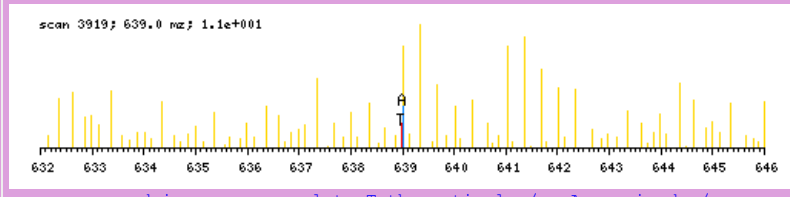
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IATPPEDSDMASLQQQR, MH+ 1914.9231, m/z 638.9792
L OS G30 P160811 220811-s1.03923.03923.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



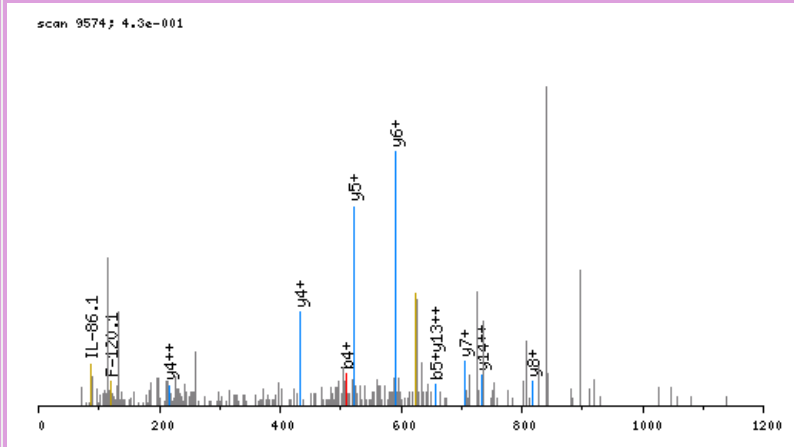
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	17		
213.1603	2	A	16	1773.8078	887.4078
314.2080	3	T	15	1702.7706	851.8892
411.2607	4	P	14	1601.7230	801.3654
508.3135	5	P	13	1504.6702	**752.8390**
637.3561	6	E	12	1407.6174	704.3126
752.3830	7	D	11	1278.5748	**639.7913**
839.4150	8	S	10	1163.5479	582.2779
954.4420	9	D	9	1076.5159	538.7618
1085.4825	10	M	8	**961.4889**	**481.2484**
1156.5196	11	A	7	**830.4484**	**415.7281**
1243.5516	12	S	6	**759.4113**	380.2096
1356.6357	13	L	5	**672.3793**	336.6936
1484.6943	14	Q	4	**559.2952**	280.1515
1612.7528	15	Q	3	**431.2367**	216.1222
1740.8114	16	Q	2	**303.1781**	152.0930
	17	R	1	**175.1195**	88.0637

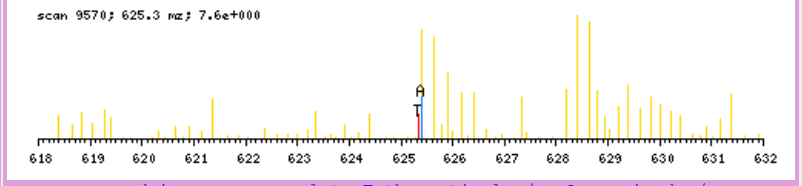
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDDHFLFDKPVSPLLLASGMAR, MH+ 2498.3481, m/z 625.3425
L OS G34 P160811 220811-s1.09574.09574.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



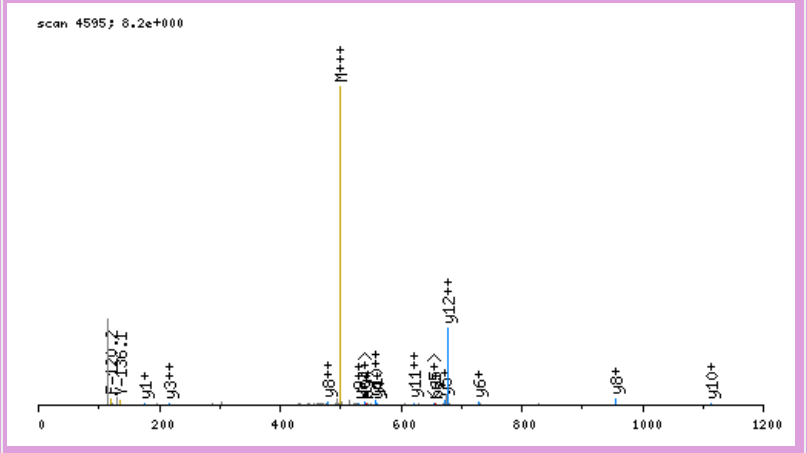
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	22		
257.1501	2	D	21	2357.2328	1179.1203
372.1771	3	D	20	2242.2059	1121.6068
509.2360	4	H	19	2127.1789	1064.0934
656.3044	5	F	18	1990.1200	995.5639
769.3884	6	L	17	1843.0516	922.0297
916.4569	7	F	16	1729.9675	865.4877
1031.4838	8	D	15	1582.8991	791.9535
1187.6101	9	K	14	1467.8722	**734.4400**
1284.6629	10	P	13	1311.7459	**656.3768**
1383.7313	11	V	12	1214.6931	607.8505
1470.7633	12	S	11	1115.6247	558.3163
1567.8161	13	P	10	1028.5927	514.8002
1680.9001	14	L	9	931.5399	466.2739
1793.9842	15	L	8	**818.4558**	409.7318
1907.0683	16	L	7	**705.3718**	353.1898
1978.1054	17	A	6	**592.2877**	296.6478
2065.1374	18	S	5	**521.2506**	261.1292
2122.1589	19	G	4	**434.2186**	**217.6132**
2253.1993	20	M	3	377.1971	189.1025
2324.2365	21	A	2	246.1566	123.5822
	22	R	1	175.1195	88.0637

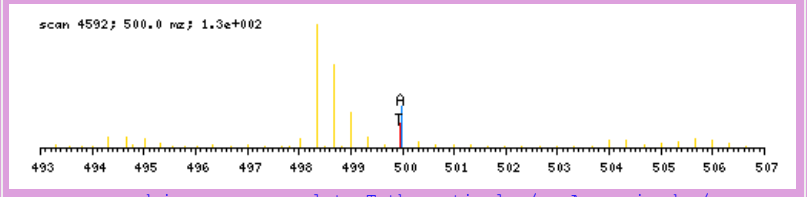
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDEGVNIGLEVKR, MH+ 1497.8641, m/z 499.9595
L OS G33 P160811 220811-s1.04595.04595.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



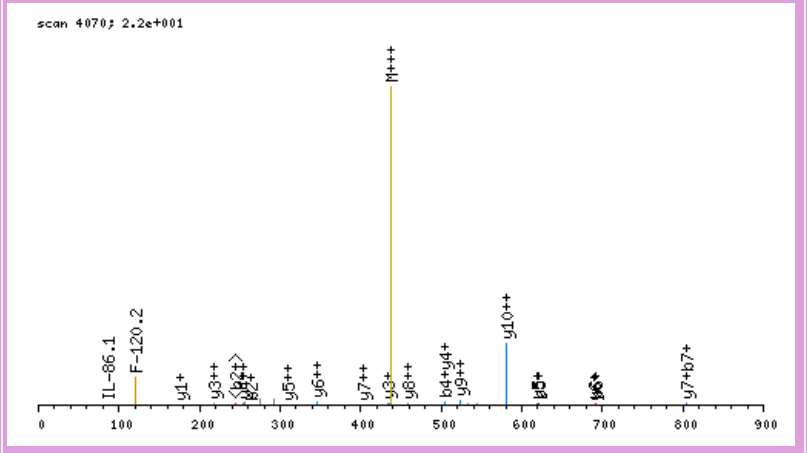
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	13		
257.1501	2	D	12	1356.7487	**678.8783**
386.1927	3	E	11	1241.7218	**621.3648**
443.2142	4	G	10	**1112.6792**	**556.8435**
542.2826	5	V	9	1055.6577	**528.3328**
656.3255	6	N	8	**956.5893**	**478.7986**
769.4096	7	I	7	842.5464	421.7771
826.4310	8	G	6	**729.4623**	365.2351
939.5151	9	L	5	**672.4409**	336.7243
1068.5577	10	E	4	**559.3568**	280.1823
1167.6261	11	V	3	430.3142	**215.6610**
1323.7524	12	K	2	331.2458	166.1268
	13	R	1	**175.1195**	88.0637

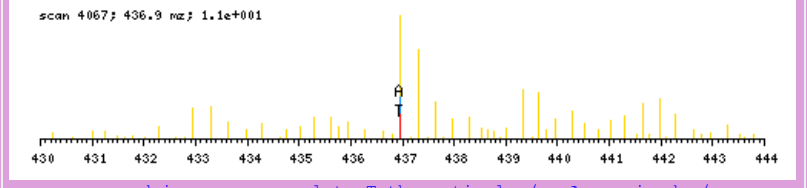
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDELDAIAPKR, MH+ 1308.8163, m/z 436.9436
H OS G33 P160811 220811-s1.04070.04070.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



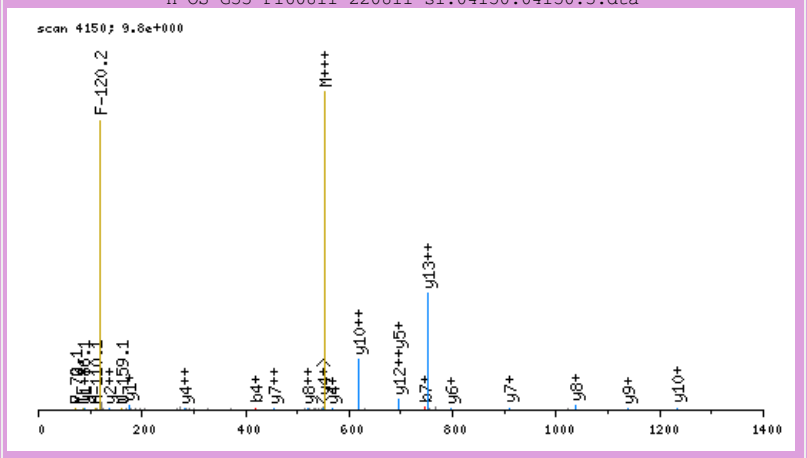
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	11		
263.1819	2	D	10	1161.6692	581.3385
392.2245	3	E	9	1046.6423	523.8250
505.3086	4	L	8	917.5997	459.3037
620.3355	5	D	7	804.5156	402.7617
691.3726	6	A	6	689.4887	345.2482
804.4567	7	I	5	618.4515	309.7297
875.4938	8	A	4	505.3675	253.1877
972.5466	9	P	3	434.3304	217.6691
1134.7047	10	K	2	337.2776	169.1427
	11	R	1	175.1195	88.0637

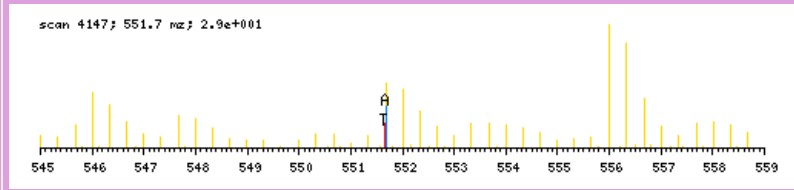
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDGVPVEITEKQTR, MH+ 1652.9859, m/z 551.6668
H OS G33 P160811 220811-s1.04150.04150.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



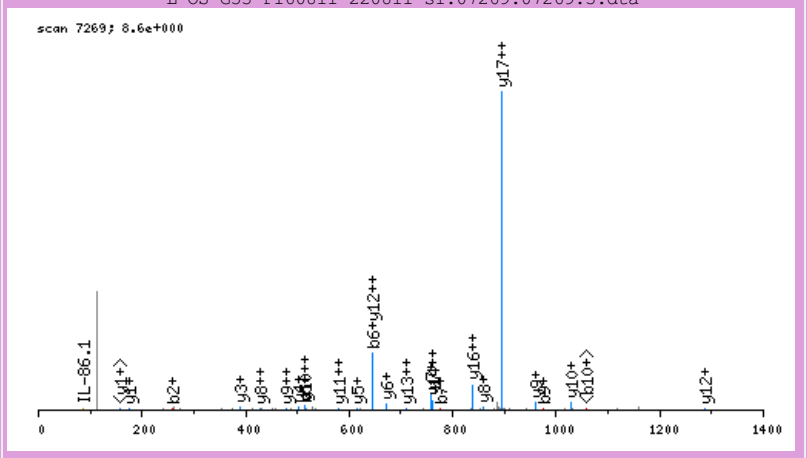
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
263.1819	2	D	13	1505.8388	**753.4233**
320.2034	3	G	12	1390.8118	**695.9098**
419.2718	4	V	11	1333.7904	667.3991
516.3245	5	P	10	**1234.7220**	**617.8649**
615.3930	6	V	9	**1137.6692**	569.3385
744.4356	7	E	8	**1038.6008**	**519.8043**
857.5196	8	I	7	**909.5582**	**455.2830**
958.5673	9	T	6	**796.4741**	398.7410
1087.6099	10	E	5	**695.4264**	348.2171
1249.7680	11	K	4	**566.3839**	**283.6958**
1377.8266	12	Q	3	404.2258	202.6168
1478.8742	13	T	2	276.1672	**138.5875**
	14	R	1	**175.1195**	**88.0637**

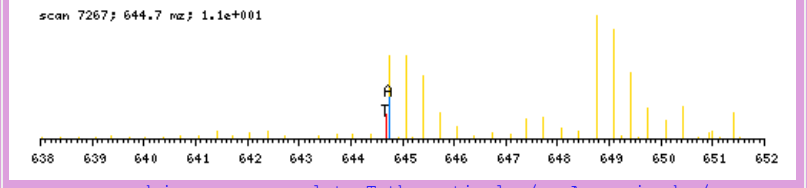
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDGVTMEEATVSGILGKR, MH+ 1932.0476, m/z 644.6874
L OS G33 P160811 220811-s1.07269.07269.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



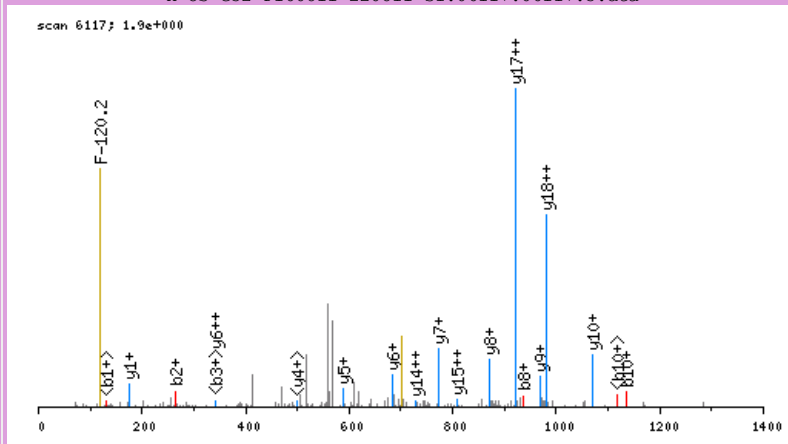
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	18		
257.1501	2	D	17	1790.9323	**895.9700**
314.1716	3	G	16	1675.9053	**838.4566**
413.2400	4	V	15	1618.8839	809.9458
514.2877	5	T	14	1519.8154	**760.4116**
645.3281	6	M	13	1418.7678	**709.8878**
774.3707	7	E	12	**1287.7273**	**644.3676**
903.4133	8	E	11	1158.6847	**579.8463**
974.4504	9	A	10	**1029.6421**	**515.3250**
1075.4981	10	T	9	**958.6050**	**479.8064**
1174.5665	11	V	8	**857.5573**	**429.2826**
1261.5986	12	S	7	**758.4889**	379.7484
1318.6200	13	G	6	**671.4569**	336.2323
1431.7041	14	I	5	**614.4354**	307.7216
1544.7882	15	L	4	**501.3513**	251.1796
1601.8096	16	G	3	**388.2673**	194.6375
1757.9359	17	K	2	331.2458	166.1268
	18	R	1	**175.1195**	88.0637

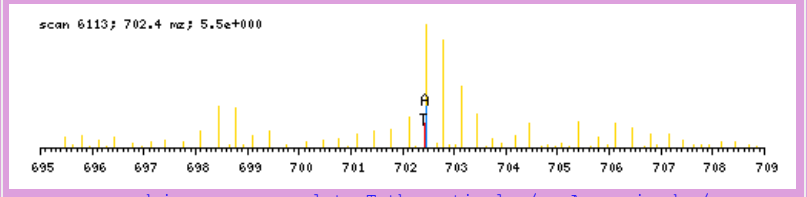
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDPEKGDIVTVVSPALLDR, MH+ 2105.2494, m/z 702.4213
H OS G32 P160811 220811-s1.06117.06117.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



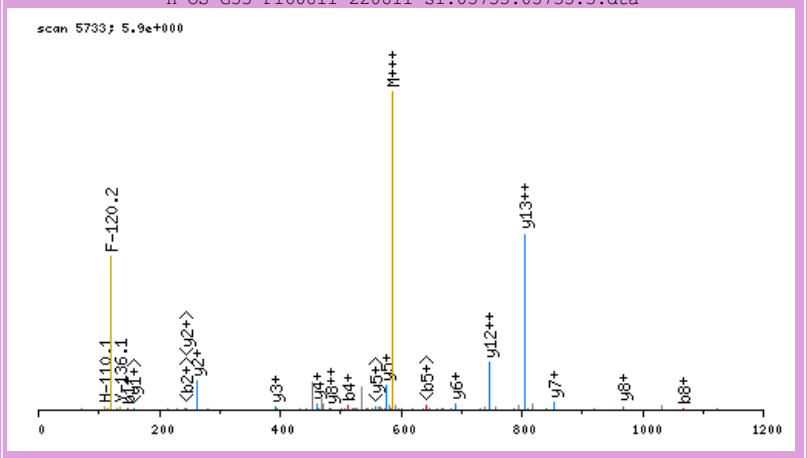
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	19		
263.1819	2	D	18	1958.1023	**979.5550**
360.2347	3	P	17	1843.0753	**922.0416**
489.2773	4	E	16	1746.0226	873.5152
651.4354	5	K	15	1616.9800	**808.9939**
708.4568	6	G	14	1454.8219	**727.9148**
823.4838	7	D	13	1397.8004	699.4041
936.5678	8	I	12	1282.7735	641.8906
1035.6362	9	V	11	1169.6894	585.3486
1136.6839	10	T	10	**1070.6210**	535.8144
1235.7523	11	V	9	**969.5733**	485.2906
1334.8208	12	V	8	**870.5049**	435.7564
1421.8528	13	S	7	**771.4365**	386.2222
1518.9055	14	P	6	**684.4044**	**342.7061**
1589.9427	15	A	5	**587.3517**	294.1798
1703.0267	16	L	4	516.3146	258.6612
1816.1108	17	L	3	403.2305	202.1192
1931.1377	18	D	2	290.1464	145.5771
	19	R	1	**175.1195**	88.0637

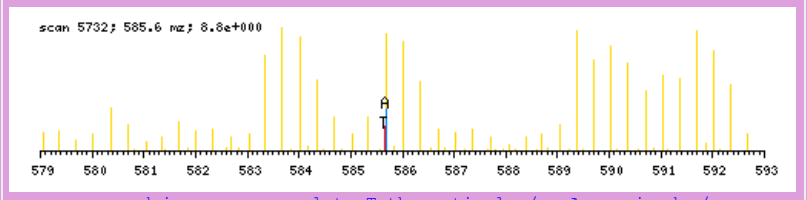
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDSKFEDYLNAESR, MH+ 1754.9237, m/z 585.6461
H_OS_G33_P160811_220811-s1.05733.05733.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



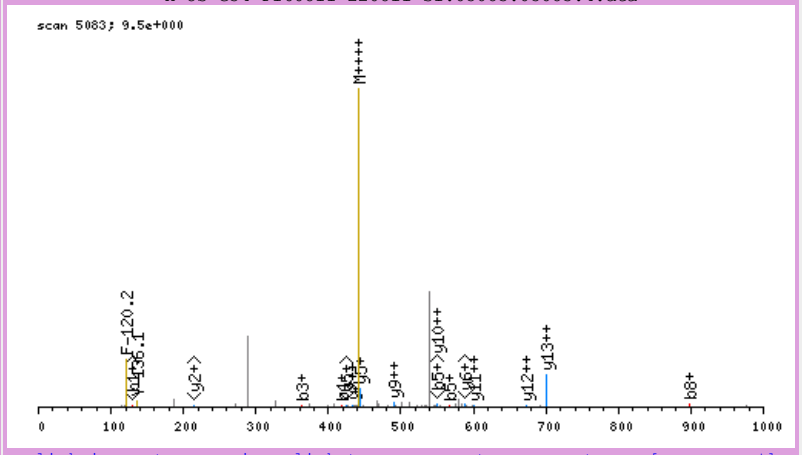
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	**1**	**I**	**14**		
263.1819	**2**	**D**	**13**	1607.7766	**804.3922**
350.2139	**3**	**S**	**12**	1492.7496	**746.8787**
512.3720	**4**	**K**	**11**	1405.7176	703.3627
659.4404	**5**	**F**	**10**	1243.5595	622.2837
788.4830	**6**	**E**	**9**	1096.4911	548.7495
903.5100	**7**	**D**	**8**	**967.4485**	**484.2282**
1066.5733	**8**	**Y**	**7**	**852.4216**	426.7147
1179.6574	**9**	**L**	**6**	**689.3582**	345.1830
1293.7003	**10**	**N**	**5**	**576.2742**	288.6410
1364.7374	**11**	**A**	**4**	**462.2312**	231.6195
1493.7800	**12**	**E**	**3**	**391.1941**	196.1010
1580.8120	**13**	**S**	**2**	**262.1515**	131.5797
	14	**R**	**1**	175.1195	88.0637

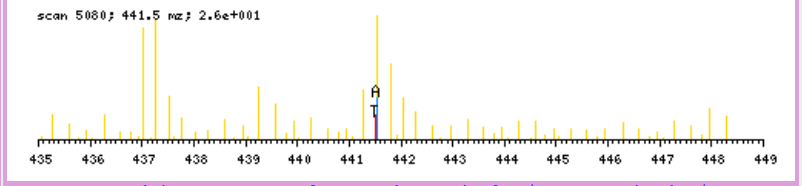
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IDVGFTDDVKKGGPGR, MH+ 1763.0552, m/z 441.5193
H OS G34 P160811 220811-s1.05083.05083.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



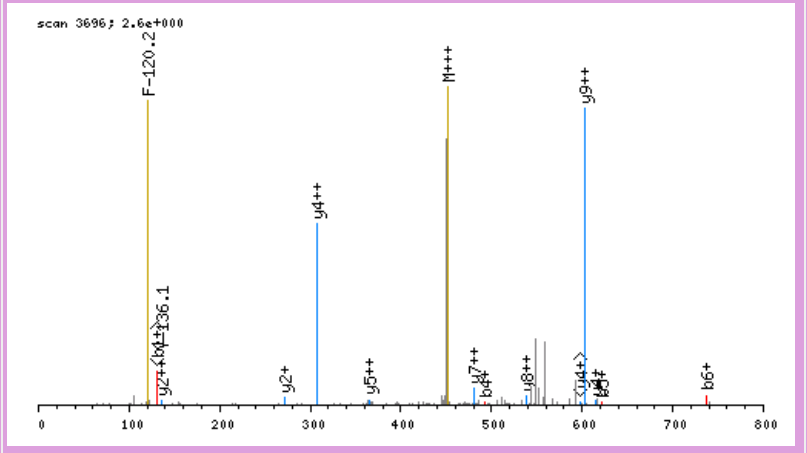
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
263.1819	2	D	15	1615.9081	808.4579
362.2503	3	V	14	1500.8811	750.9445
419.2718	4	G	13	1401.8127	**701.4103**
566.3402	5	F	12	1344.7912	**672.8995**
667.3879	6	T	11	1197.7228	**599.3653**
782.4148	7	D	10	1096.6752	**548.8415**
897.4418	8	D	9	981.6482	**491.3280**
996.5102	9	V	8	866.6213	**433.8145**
1158.6683	10	K	7	767.5529	384.2803
1320.8264	11	K	6	605.3948	303.2013
1377.8478	12	G	5	**443.2367**	222.1222
1434.8693	13	G	4	386.2152	193.6115
1531.9221	14	P	3	329.1937	165.1008
1588.9435	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

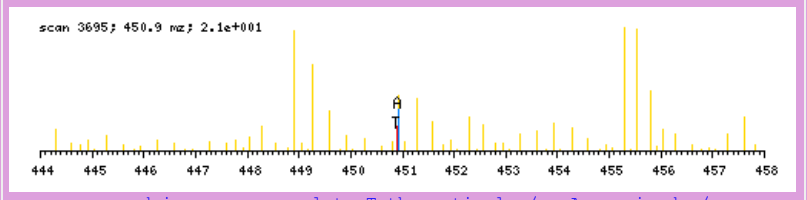
N-term:+35.07 K(10):+162.16
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IEDTEDWRPR, MH+ 1350.6866, m/z 450.9004
H OS G34 P160811 220811-s1.03696.03696.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



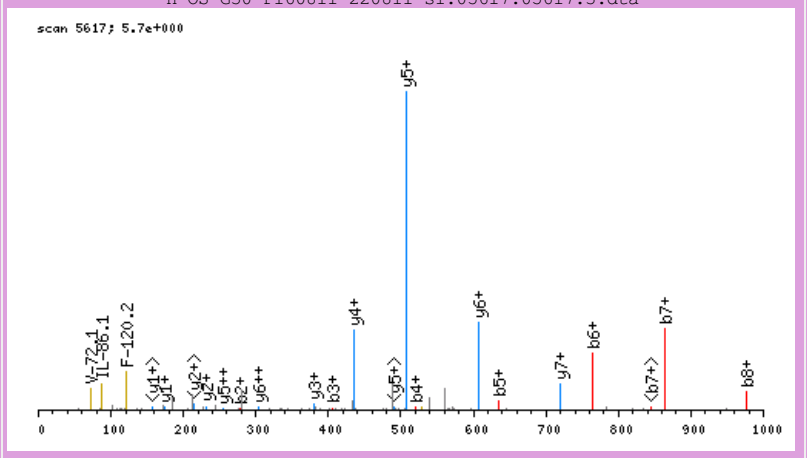
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	10		
277.1976	2	E	9	1203.5394	**602.2736**
392.2245	3	D	8	1074.4968	**537.7523**
493.2722	4	T	7	959.4699	**480.2389**
622.3148	5	E	6	858.4222	429.7150
737.3417	6	D	5	729.3796	**365.1937**
923.4210	7	W	4	**614.3527**	**307.6803**
1079.5221	8	R	3	428.2734	214.6406
1176.5749	9	P	2	**272.1723**	**136.5900**
	10	R	1	175.1195	88.0637

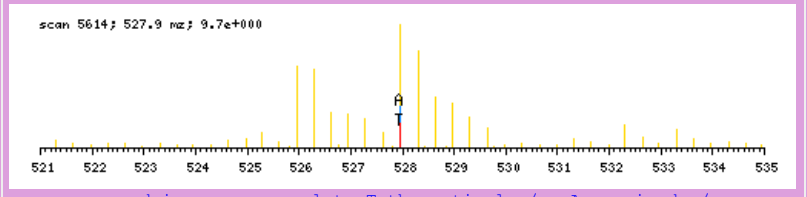
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IEENDEVLVAGFGR, MH+ 1581.8336, m/z 527.9494
H OS G30 P160811 220811-s1.05617.05617.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



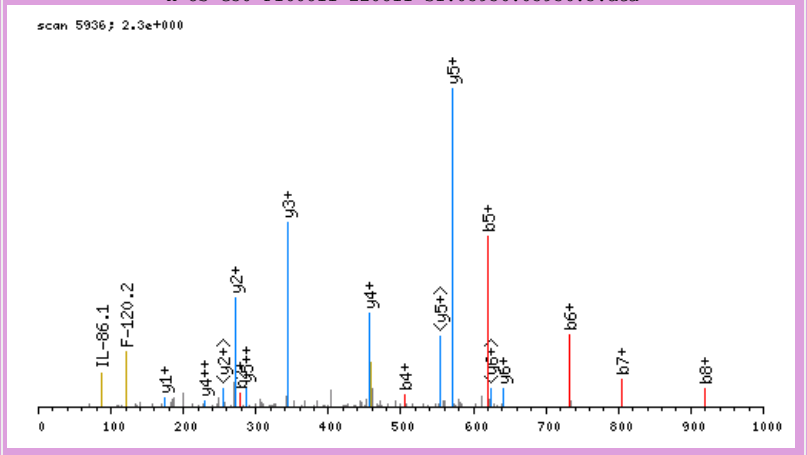
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
277.1976	2	E	13	1434.6865	717.8472
406.2402	3	E	12	1305.6439	653.3259
520.2831	4	N	11	1176.6013	588.8046
635.3100	5	D	10	1062.5584	531.7831
764.3526	6	E	9	947.5314	474.2696
863.4210	7	V	8	818.4888	409.7483
976.5051	8	L	7	**719.4204**	360.2141
1075.5735	9	V	6	**606.3364**	**303.6721**
1146.6106	10	A	5	**507.2680**	**254.1379**
1203.6321	11	G	4	**436.2308**	218.6193
1350.7005	12	F	3	**379.2094**	190.1086
1407.7220	13	G	2	**232.1410**	116.5744
	14	R	1	**175.1195**	88.0637

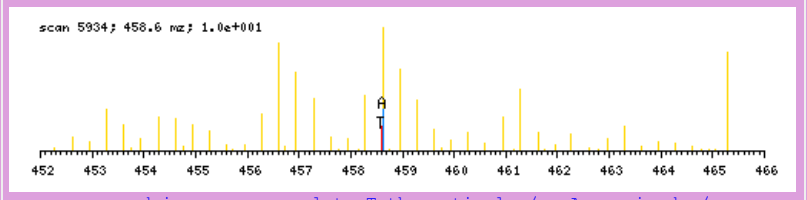
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IEEVDLANLAPR, MH+ 1373.7852, m/z 458.5999
H OS G30 P160811 220811-s1.05936.05936.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



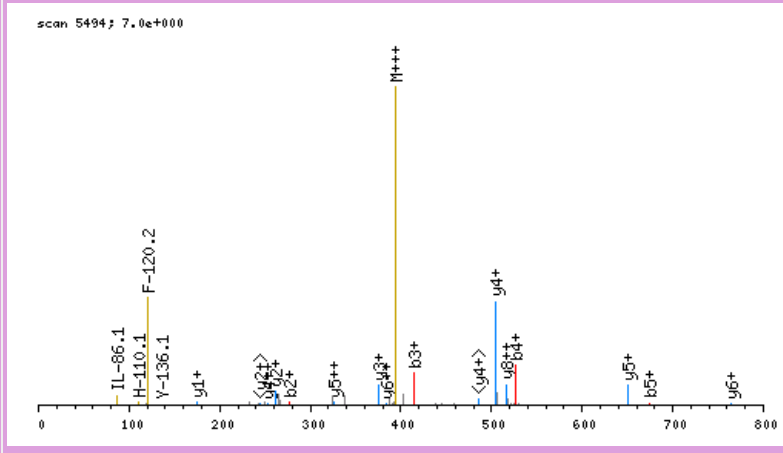
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	12		
277.1976	2	E	11	1226.6381	613.8230
406.2402	3	E	10	1097.5955	549.3017
505.3086	4	V	9	968.5529	484.7804
620.3355	5	D	8	869.4845	435.2462
733.4196	6	L	7	754.4575	377.7327
804.4567	7	A	6	**641.3735**	321.1907
918.4996	8	N	5	**570.3364**	**285.6721**
1031.5837	9	L	4	**456.2934**	**228.6506**
1102.6208	10	A	3	**343.2094**	172.1086
1199.6736	11	P	2	**272.1723**	136.5900
	12	R	1	**175.1195**	88.0637

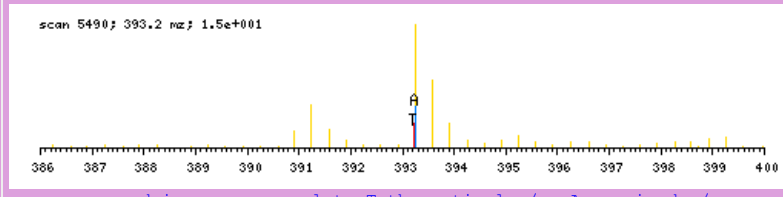
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IEHIFEISR, MH+ 1177.6793, m/z 393.2313
H OS G34 P160811 220811-s1.05494.05494.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



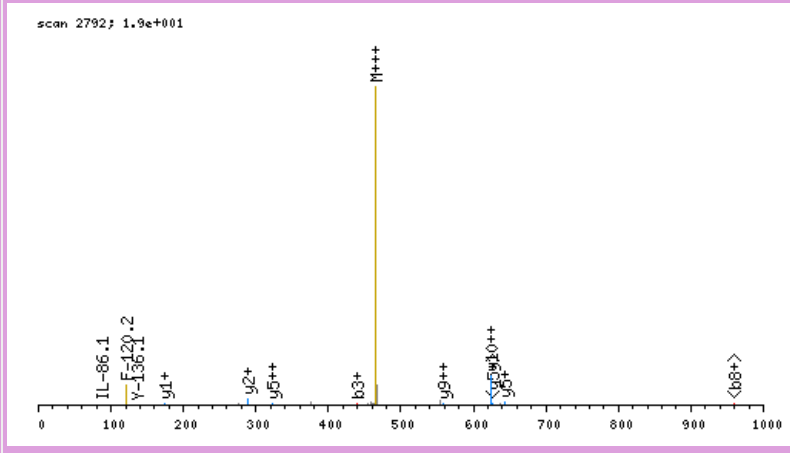
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	9		
277.1976	2	E	8	1030.5322	515.7700
414.2565	3	H	7	901.4896	451.2487
527.3405	4	I	6	764.4307	382.7192
674.4089	5	F	5	651.3466	326.1772
803.4515	6	E	4	504.2782	252.6430
916.5356	7	I	3	375.2356	188.1217
1003.5676	8	S	2	262.1515	131.5797
	9	R	1	175.1195	88.0637

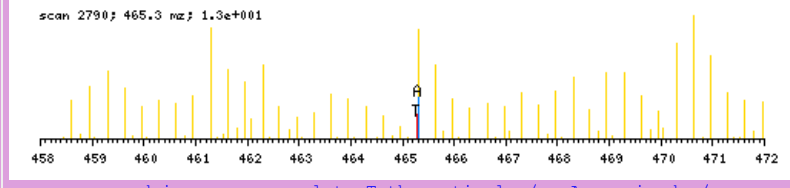
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IEKQPSPEELR, MH+ 1393.8327, m/z 465.2824
H OS G34 P160811 220811-s1.02792.02792.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



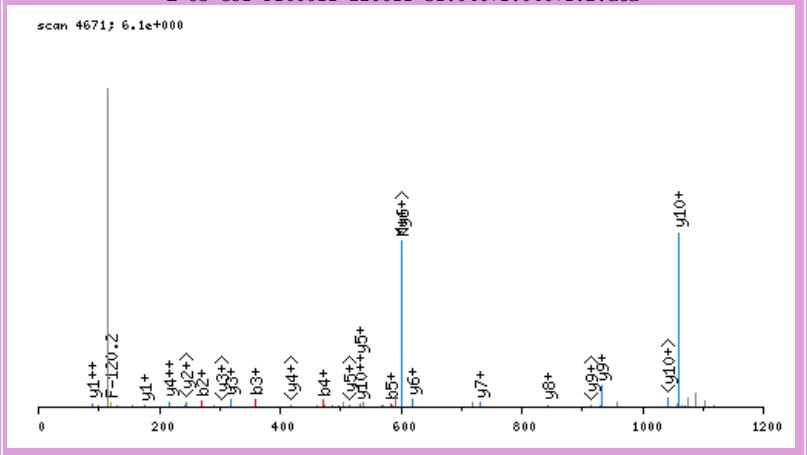
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	11		
277.1976	2	E	10	1246.6856	**623.8467**
439.3557	3	K	9	1117.6430	**559.3254**
567.4142	4	Q	8	955.4849	478.2464
664.4670	5	P	7	827.4263	414.2171
751.4990	6	S	6	730.3735	365.6907
848.5518	7	P	5	**643.3415**	**322.1747**
977.5944	8	E	4	546.2888	273.6483
1106.6370	9	E	3	417.2462	209.1270
1219.7210	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

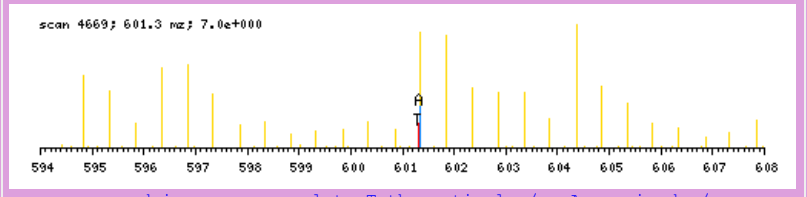
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IESLISPDGSR, MH+ 1201.6428, m/z 601.3250
L OS G31 P160811 220811-s1.04671.04671.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



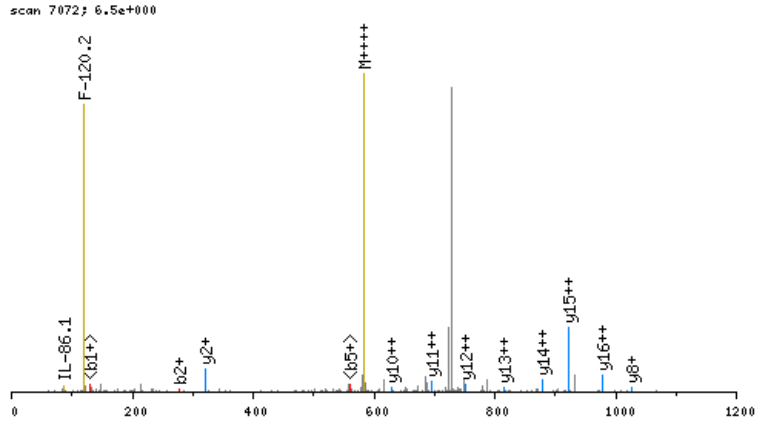
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	11		
271.1658	2	E	10	1060.5275	530.7677
358.1978	3	S	9	931.4849	466.2464
471.2818	4	L	8	844.4529	422.7303
584.3659	5	I	7	731.3688	366.1883
671.3979	6	S	6	618.2847	309.6463
768.4507	7	P	5	531.2527	266.1303
883.4776	8	D	4	434.1999	217.6039
940.4991	9	G	3	319.1730	160.0904
1027.5311	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

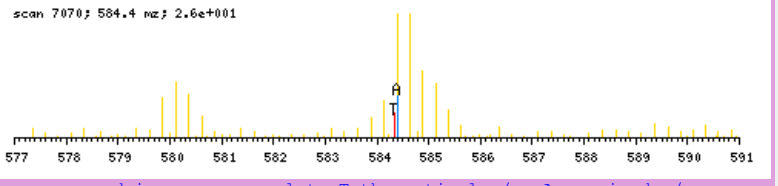
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IETLSQQLQAKGKELNEFR, MH+ 2334.3882, m/z 584.3525
H OS G34 P160811 220811-s1.07072.07072.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



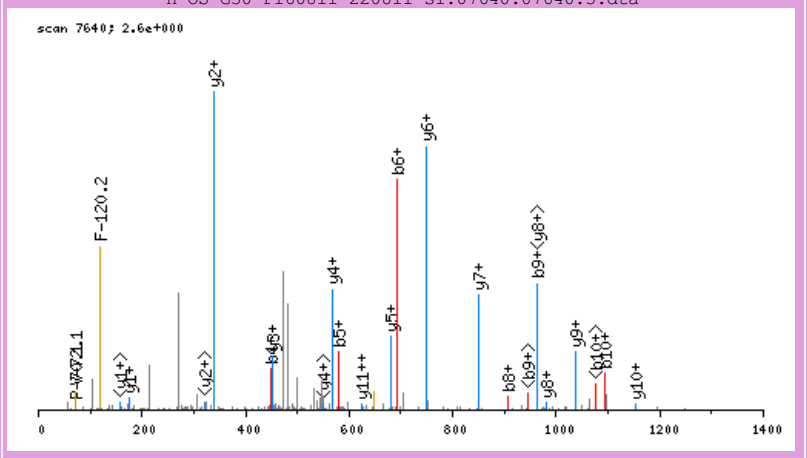
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	19		
277.1976	2	E	18	2187.2410	1094.1244
378.2452	3	T	17	2058.1984	1029.6031
491.3293	4	L	16	1957.1508	**979.0793**
578.3613	5	S	15	1844.0667	**922.5373**
706.4199	6	Q	14	1757.0347	**879.0212**
834.4785	7	Q	13	1628.9761	**814.9920**
947.5625	8	L	12	1500.9175	**750.9627**
1075.6211	9	Q	11	1387.8334	**694.4206**
1146.6582	10	A	10	1259.7749	**630.3913**
1308.8163	11	K	9	1188.7378	594.8728
1365.8378	12	G	8	**1026.5797**	513.7937
1527.9959	13	K	7	969.5582	485.2830
1657.0385	14	E	6	807.4001	404.2040
1770.1226	15	L	5	678.3575	339.6827
1884.1655	16	N	4	565.2734	283.1406
2013.2081	17	E	3	451.2305	226.1192
2160.2765	18	F	2	**322.1879**	161.5979
	19	R	1	175.1195	88.0637

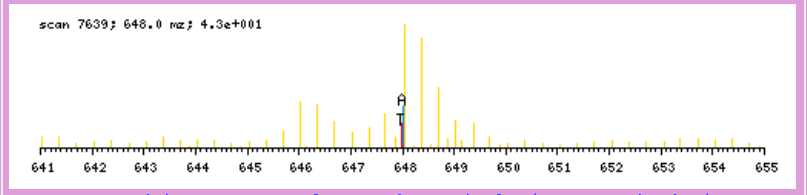
N-term:+35.07 K(11):+162.16
K(13):+162.16

IGENMNPDGMVALLDYR, MH+ 1941.9626, m/z 647.9924
H_OS_G30_P160811_220811-s1.07640.07640.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



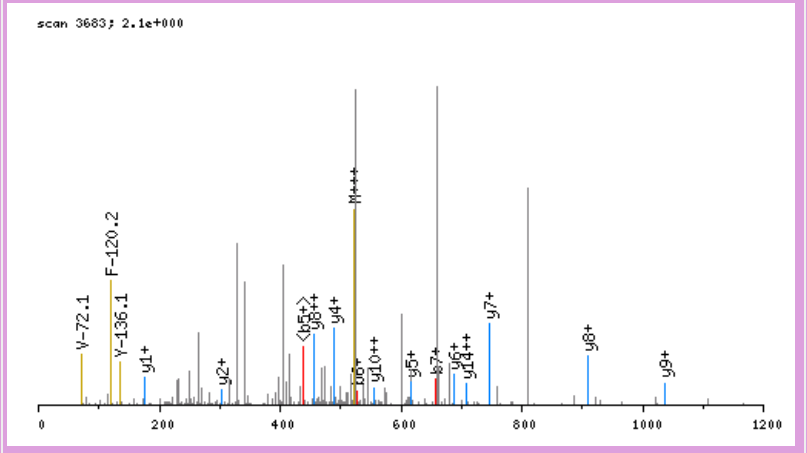
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
205.1764	2	G	16	1794.8155	897.9117
334.2190	3	E	15	1737.7940	869.4009
448.2619	4	N	14	1608.7514	804.8796
579.3024	5	M	13	1494.7085	747.8582
693.3454	6	N	12	1363.6680	682.3379
790.3981	7	P	11	1249.6251	**625.3165**
905.4251	8	D	10	**1152.5723**	576.7901
962.4465	9	G	9	**1037.5454**	519.2766
1093.4870	10	M	8	**980.5239**	490.7659
1192.5554	11	V	7	**849.4834**	425.2456
1263.5925	12	A	6	**750.4150**	375.7114
1376.6766	13	L	5	**679.3779**	340.1929
1489.7607	14	L	4	**566.2938**	283.6508
1604.7876	15	D	3	**453.2098**	227.1088
1767.8509	16	Y	2	**338.1828**	169.5953
	17	R	1	**175.1195**	88.0637

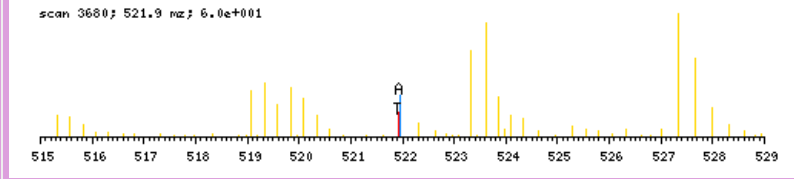
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IGGHGAEYGAEALER, MH+ 1563.7979, m/z 521.9375
H OS G34 P160811 220811-s1.03683.03683.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



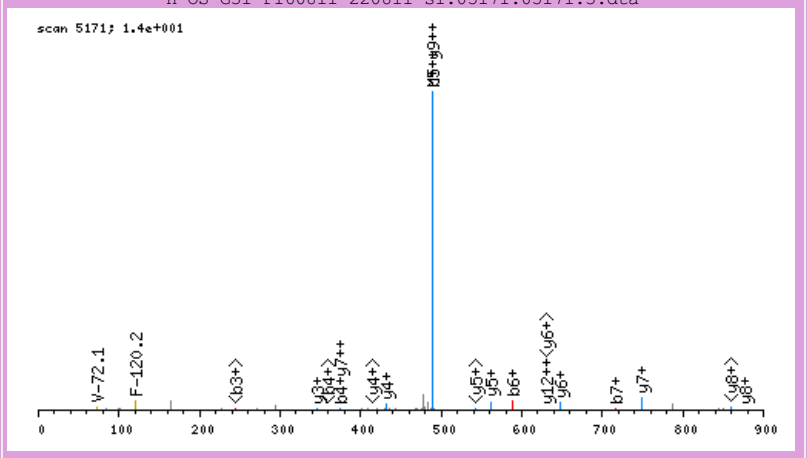
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	15		
205.1764	2	G	14	1416.6508	**708.8293**
262.1979	3	G	13	1359.6293	680.3186
399.2568	4	H	12	1302.6079	651.8078
456.2783	5	G	11	1165.5489	583.2784
527.3154	6	A	10	1108.5275	**554.7677**
656.3580	7	E	9	**1037.4904**	519.2491
819.4213	8	Y	8	**908.4478**	**454.7278**
876.4428	9	G	7	**745.3844**	373.1961
947.4799	10	A	6	**688.3630**	344.6854
1076.5225	11	E	5	**617.3259**	309.1668
1147.5596	12	A	4	**488.2833**	244.6455
1260.6437	13	L	3	417.2462	209.1270
1389.6862	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

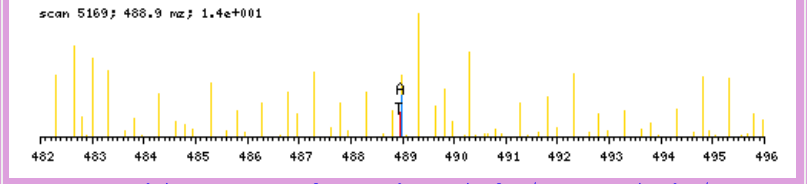
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IGGLNVQTSESGLR, MH+ 1464.8234, m/z 488.9460
H OS G31 P160811 220811-s1.05171.05171.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

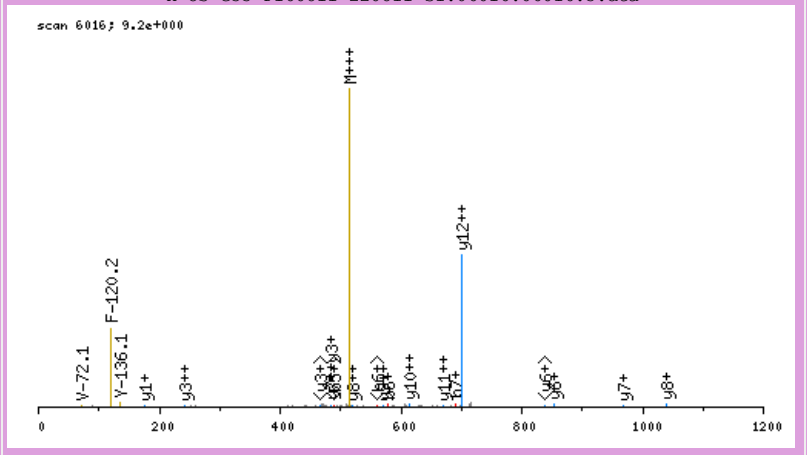


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

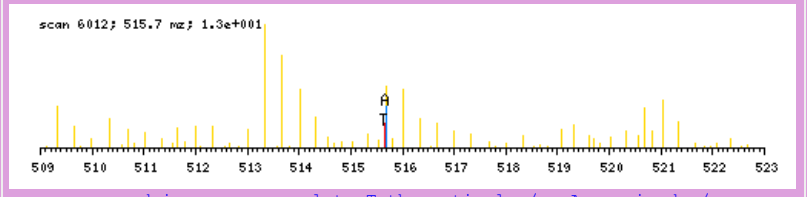
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
205.1764	2	G	13	1317.6763	659.3420
262.1979	3	G	12	1260.6548	**630.8313**
375.2820	4	L	11	1203.6333	602.3206
489.3249	5	N	10	1090.5493	545.7786
588.3933	6	V	9	976.5063	**488.7571**
716.4519	7	Q	8	**877.4379**	439.2229
817.4996	8	T	7	**749.3794**	**375.1936**
904.5316	9	S	6	**648.3317**	324.6698
1033.5742	10	E	5	**561.2997**	281.1537
1120.6062	11	S	4	**432.2571**	216.6324
1177.6277	12	G	3	**345.2250**	173.1164
1290.7117	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

N-term:+35.07

IGNSTAIQELFKR, MH+ 1544.9437, m/z 515.6527
H OS G33 P160811 220811-s1.06016.06016.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

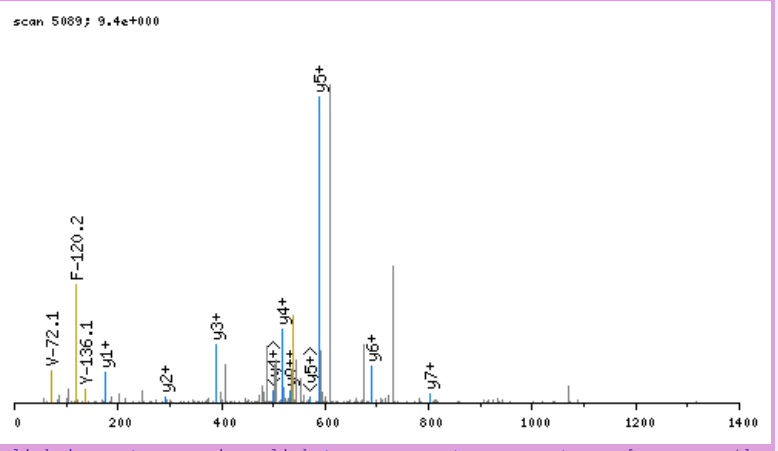
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	13		
205.1764	2	G	12	1397.7965	**699.4022**
319.2194	3	N	11	1340.7751	**670.8914**
406.2514	4	S	10	1226.7321	**613.8700**
507.2991	5	T	9	1139.7001	**570.3540**
578.3362	6	A	8	**1038.6524**	**519.8301**
691.4202	7	I	7	**967.6153**	**484.3116**
819.4788	8	Q	6	**854.5312**	427.7695
948.5214	9	E	5	726.4727	363.7402
1061.6055	10	L	4	597.4301	299.2190
1208.6739	11	F	3	**484.3460**	**242.6769**
1370.8320	12	K	2	337.2776	169.1427
	13	R	1	**175.1195**	88.0637

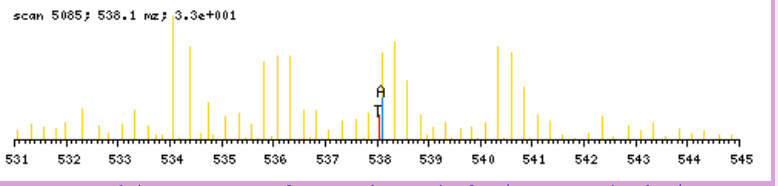
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IIAAKDHASIQMNVAEVDR, MH+ 2149.2076, m/z 538.0573
H OS G34 P160811 220811-s1.05089.05089.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



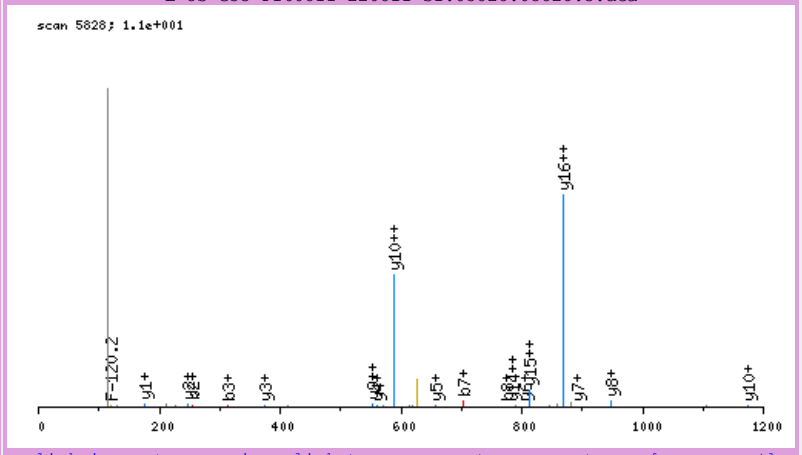
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	19		
261.2390	2	I	18	2002.0604	1001.5341
332.2761	3	A	17	1888.9764	944.9921
403.3133	4	A	16	1817.9392	909.4735
565.4714	5	K	15	1746.9021	873.9550
680.4983	6	D	14	1584.7440	792.8759
817.5572	7	H	13	1469.7171	735.3625
888.5943	8	A	12	1332.6582	666.8330
975.6264	9	S	11	1261.6211	631.3144
1088.7104	10	I	10	1174.5890	587.7984
1216.7690	11	Q	9	1061.5050	**531.2564**
1347.8095	12	M	8	933.4464	467.2271
1461.8524	13	N	7	**802.4059**	401.7069
1560.9208	14	V	6	**688.3630**	344.6854
1631.9579	15	A	5	**589.2946**	295.1512
1761.0005	16	E	4	**518.2575**	259.6326
1860.0689	17	V	3	**389.2149**	195.1113
1975.0959	18	D	2	**290.1464**	145.5771
	19	R	1	**175.1195**	88.0637

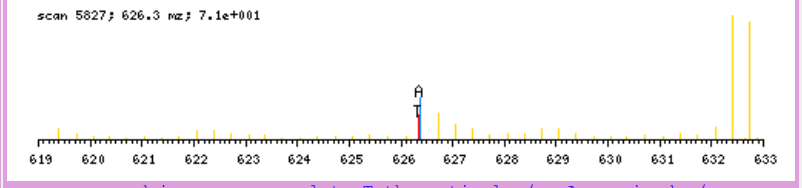
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

IIGGSMDAKGSFPWQAK, MH+ 1876.9996, m/z 626.3380
L OS G33 P160811 220811-s1.05828.05828.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



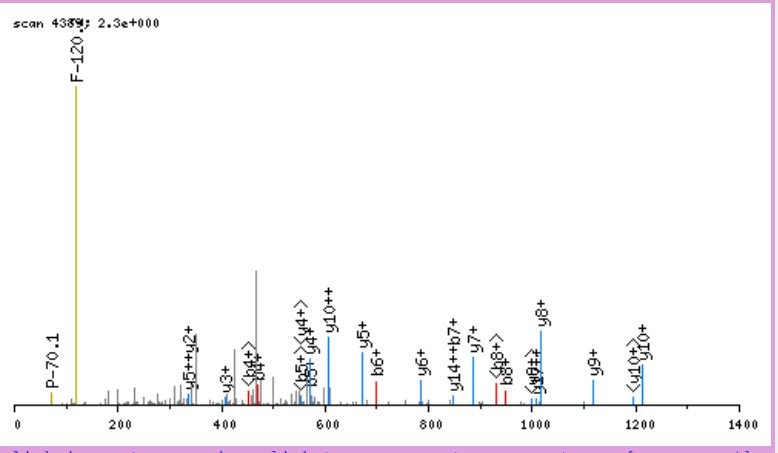
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	17		
255.2072	2	I	16	1735.8842	**868.4460**
312.2287	3	G	15	1622.8002	**811.9040**
369.2502	4	G	14	1565.7787	**783.3933**
456.2822	5	S	13	1508.7572	754.8825
587.3227	6	M	12	1421.7252	711.3665
702.3496	7	D	11	1290.6847	645.8463
773.3867	8	A	10	**1175.6578**	**588.3328**
929.5130	9	K	9	1104.6207	**552.8142**
986.5345	10	G	8	**948.4944**	474.7511
1073.5665	11	S	7	**891.4729**	446.2404
1220.6349	12	F	6	**804.4409**	402.7243
1317.6877	13	P	5	**657.3725**	329.1901
1503.7670	14	W	4	**560.3197**	280.6638
1631.8256	15	Q	3	**374.2404**	187.6241
1702.8627	16	A	2	**246.1818**	123.5948
	17	K	1	**175.1447**	88.0763

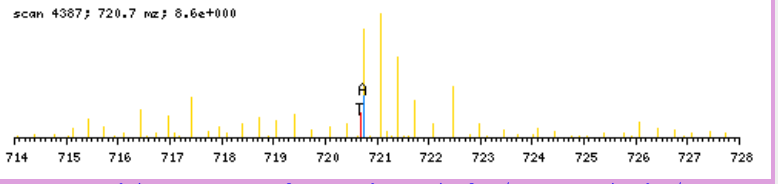
N-term:+29.04 K(9):+156.13
K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ILAHTEFTPTETDTYACR, MH+ 2160.0495, m/z 720.6880
H OS G33 P160811 220811-s1.04389.04389.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



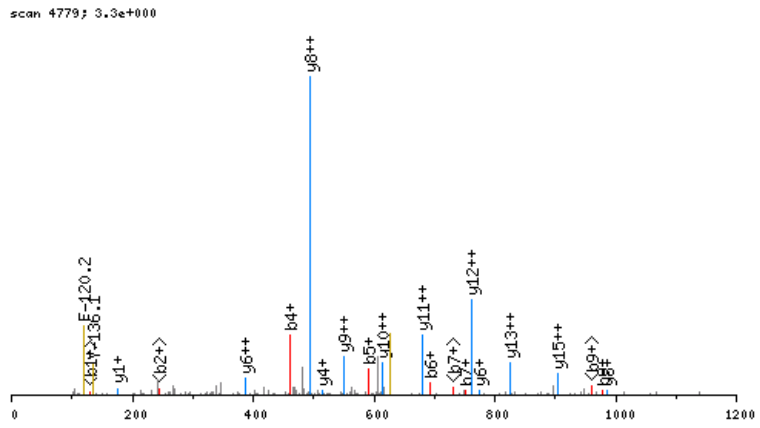
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	18		
261.2390	2	L	17	2012.9023	**1006.9551**
332.2761	3	A	16	1899.8183	950.4130
469.3351	4	H	15	1828.7812	914.8945
570.3827	5	T	14	1691.7222	**846.3650**
699.4253	6	E	13	1590.6746	795.8412
846.4937	7	F	12	1461.6320	731.3199
947.5414	8	T	11	1314.5636	657.7857
1044.5942	9	P	10	**1213.5159**	**607.2619**
1145.6419	10	T	9	**1116.4631**	558.7355
1274.6845	11	E	8	**1015.4154**	508.2116
1375.7321	12	T	7	**886.3728**	443.6903
1490.7591	13	D	6	**785.3252**	393.1665
1591.8068	14	T	5	**670.2982**	**335.6530**
1754.8701	15	Y	4	**569.2505**	285.1292
1825.9072	16	A	3	**406.1872**	203.5975
1985.9378	17	C	2	**335.1501**	168.0790
	18	R	1	175.1195	88.0637

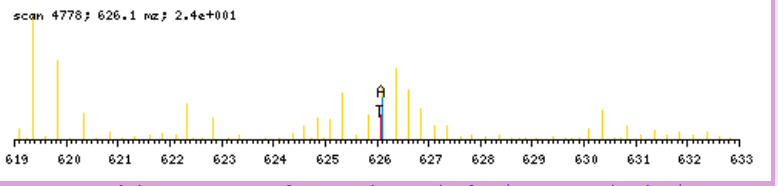
N-term:+35.07 C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ILAQMTGTEYMQDPDEEALRR, MH+ 2501.2228, m/z 626.0612
H OS G32 P160811 220811-s1.04779.04779.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



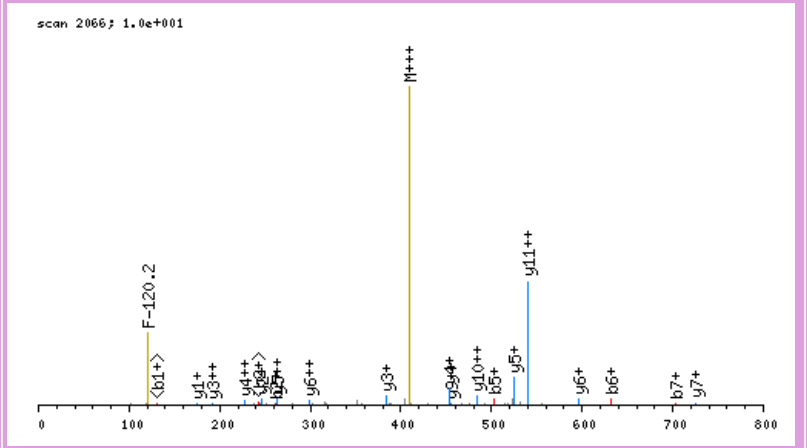
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	21		
261.2390	2	L	20	2354.0757	1177.5417
332.2761	3	A	19	2240.9916	1120.9997
460.3347	4	Q	18	2169.9545	1085.4812
591.3752	5	M	17	2041.8959	1021.4519
692.4229	6	T	16	1910.8554	955.9316
749.4443	7	G	15	1809.8078	**905.4078**
850.4920	8	T	14	1752.7863	876.8971
979.5346	9	E	13	1651.7386	**826.3732**
1142.5979	10	Y	12	1522.6960	**761.8519**
1273.6384	11	M	11	1359.6327	**680.3203**
1401.6970	12	Q	10	1228.5922	**614.8000**
1516.7240	13	D	9	1100.5336	**550.7707**
1613.7767	14	P	8	**985.5067**	**493.2573**
1728.8037	15	D	7	888.4539	444.7309
1857.8463	16	E	6	**773.4270**	**387.2174**
1986.8888	17	E	5	644.3844	322.6961
2057.9260	18	A	4	**515.3418**	258.1748
2171.0100	19	L	3	444.3047	222.6563
2327.1111	20	R	2	331.2206	166.1142
	21	R	1	**175.1195**	88.0637

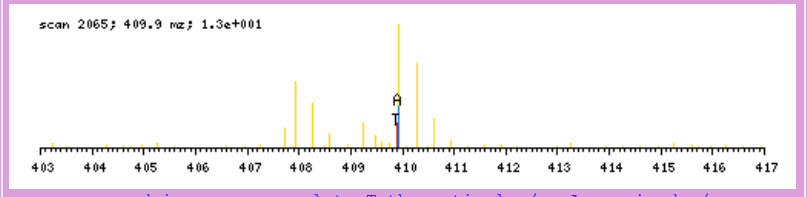
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

ILGGQEAAAHAR, MH+ 1227.7022, m/z 409.9056
H OS G34 P160811 220811-s1.02066.02066.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



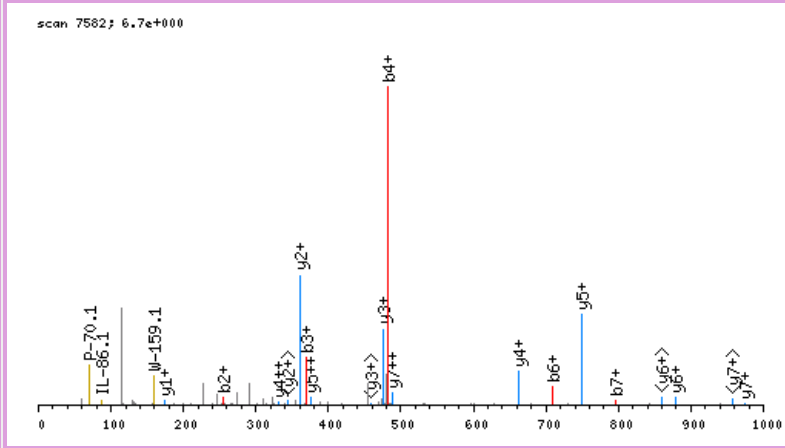
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	12		
261.2390	2	L	11	1080.5550	**540.7814**
318.2605	3	G	10	967.4710	**484.2394**
375.2820	4	G	9	910.4495	**455.7287**
503.3405	5	Q	8	853.4280	427.2179
632.3831	6	E	7	**725.3695**	363.1886
703.4202	7	A	6	**596.3269**	**298.6673**
774.4574	8	A	5	**525.2898**	**263.1488**
845.4945	9	A	4	**454.2526**	**227.6302**
982.5534	10	H	3	**383.2155**	**192.1117**
1053.5905	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

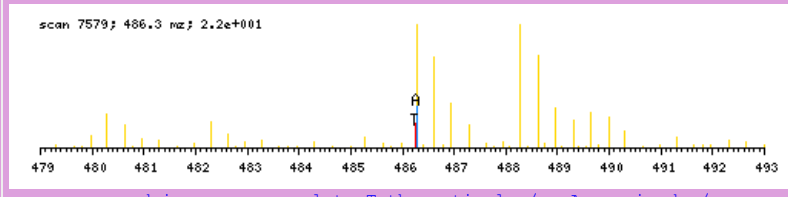
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ILNLPESWDWR, MH+ 1456.7588, m/z 486.2578
L OS G30 P160811 220811-s1.07582.07582.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



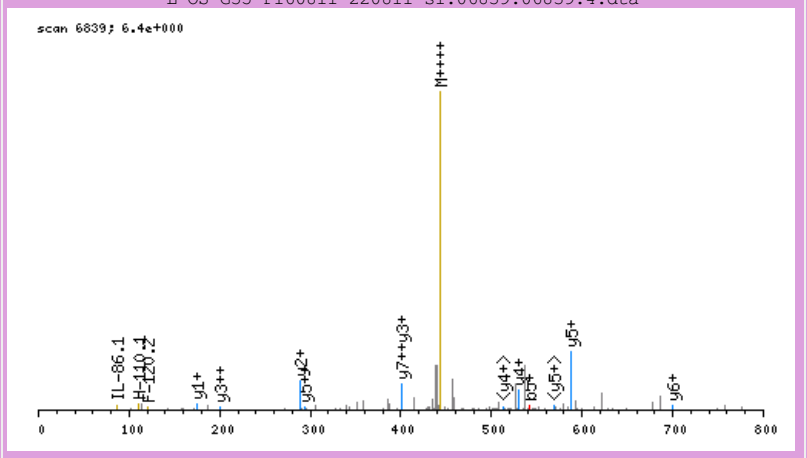
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	11		
255.2072	2	L	10	1315.6435	658.3257
369.2502	3	N	9	1202.5594	601.7836
482.3342	4	L	8	1088.5165	544.7622
579.3870	5	P	7	975.4325	488.2201
708.4296	6	E	6	878.3797	439.6938
795.4616	7	S	5	749.3371	375.1725
981.5409	8	W	4	662.3051	331.6564
1096.5679	9	D	3	476.2258	238.6168
1282.6472	10	W	2	361.1988	181.1033
	11	R	1	175.1195	88.0637

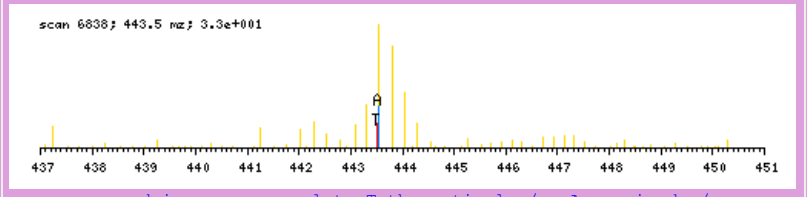
N-term:+29.04

ILSISADIETIGEILK, MH+ 1771.0469, m/z 443.5172
L OS G35 P160811 220811-s1.06839.06839.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



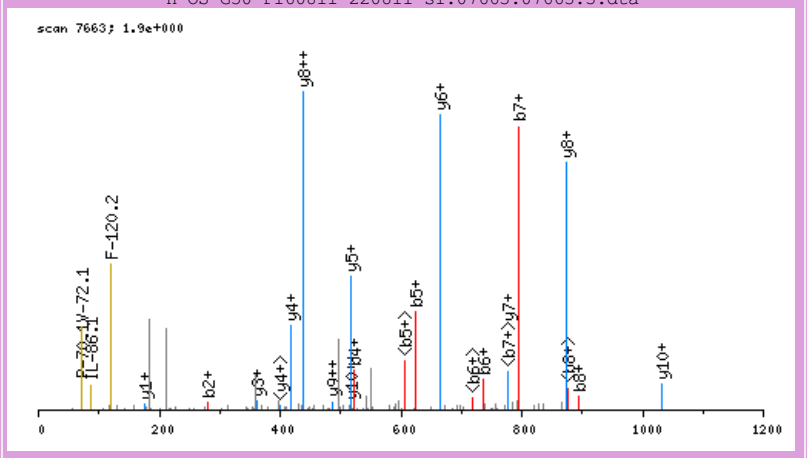
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
255.2072	2	L	15	1629.9315	815.4697
342.2393	3	S	14	1516.8475	758.9276
455.3233	4	I	13	1429.8154	715.4116
542.3553	5	S	12	1316.7314	658.8696
613.3925	6	A	11	1229.6993	615.3536
728.4194	7	D	10	1158.6622	579.8350
841.5035	8	I	9	1043.6353	522.3215
970.5461	9	E	8	930.5512	465.7795
1071.5937	10	T	7	801.5086	**401.2582**
1184.6778	11	I	6	**700.4609**	350.7344
1241.6993	12	G	5	**587.3769**	**294.1923**
1370.7419	13	E	4	**530.3554**	265.6816
1483.8259	14	I	3	**401.3128**	**201.1603**
1596.9100	15	L	2	**288.2288**	144.6183
	16	K	1	**175.1447**	88.0763

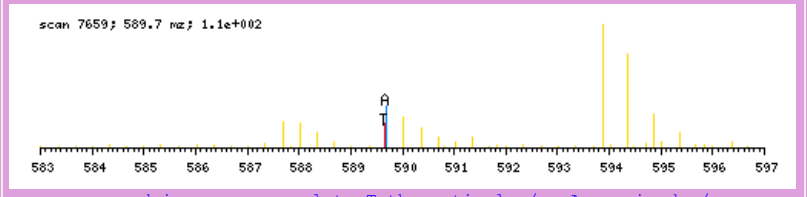
N-term:+29.04 K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IMEDTIGVPLFVGSVR, MH+ 1766.9938, m/z 589.6695
H OS G30 P160811 220811-s1.07663.07663.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



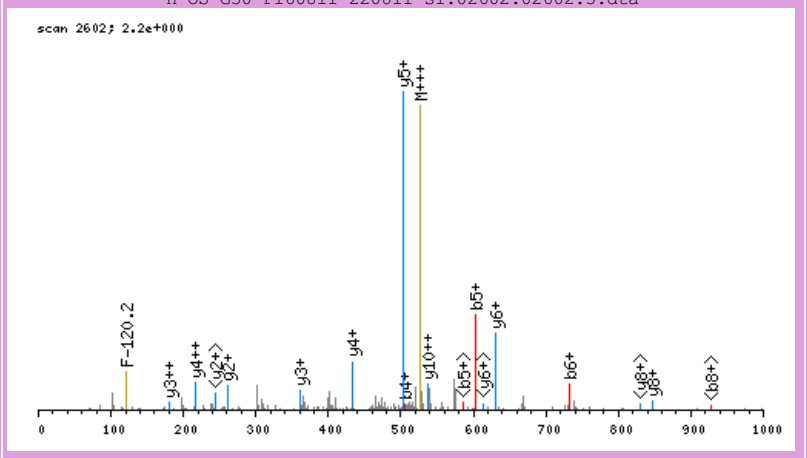
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
279.1954	2	M	15	1619.8467	810.4273
408.2380	3	E	14	1488.8062	744.9070
523.2650	4	D	13	1359.7636	680.3857
624.3127	5	T	12	1244.7367	622.8723
737.3967	6	I	11	1143.6890	572.3484
794.4182	7	G	10	1030.6049	515.8064
893.4866	8	V	9	973.5835	487.2957
990.5394	9	P	8	874.5151	437.7614
1103.6234	10	L	7	777.4623	389.2351
1250.6918	11	F	6	664.3782	332.6930
1349.7603	12	V	5	517.3098	259.1588
1406.7817	13	G	4	418.2414	209.6246
1493.8138	14	S	3	361.2199	181.1139
1592.8822	15	V	2	274.1879	137.5979
	16	R	1	175.1195	88.0637

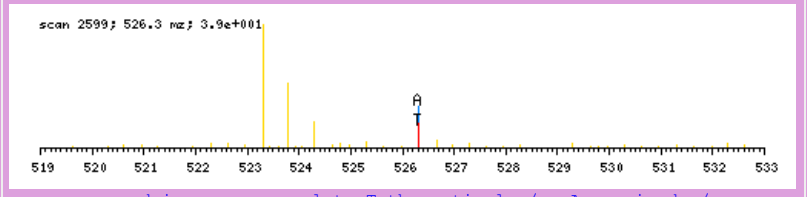
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IQEVVQSQQAAVSR, MH+ 1576.8871, m/z 526.3005
H OS G30 P160811 220811-s1.02602.02602.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



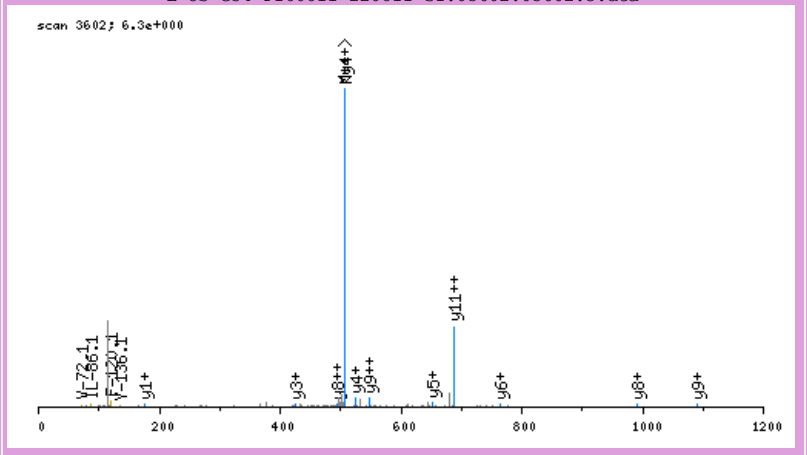
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
276.2135	2	Q	13	1429.7399	715.3739
405.2561	3	E	12	1301.6814	651.3446
504.3245	4	V	11	1172.6388	586.8233
603.3930	5	V	10	1073.5703	**537.2891**
731.4515	6	Q	9	974.5019	487.7549
818.4836	7	S	8	**846.4434**	423.7256
946.5421	8	Q	7	759.4113	380.2096
1074.6007	9	Q	6	**631.3527**	316.1803
1145.6378	10	A	5	**503.2942**	252.1510
1216.6750	11	A	4	**432.2571**	**216.6324**
1315.7434	12	V	3	**361.2199**	**181.1139**
1402.7754	13	S	2	**262.1515**	131.5797
	14	R	1	175.1195	88.0637

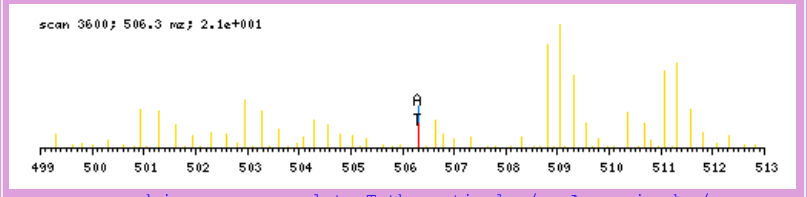
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

IQKTPQIQVYSR, MH+ 1516.8851, m/z 506.2999
L OS G34 P160811 220811-s1.03602.03602.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



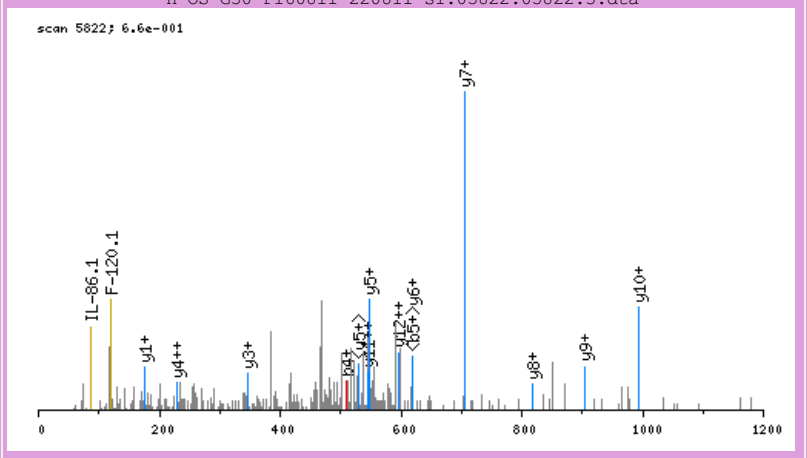
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	12		
270.1817	2	Q	11	1375.7698	**688.3888**
426.3080	3	K	10	1247.7112	624.3595
527.3557	4	T	9	**1091.5849**	**546.2964**
624.4085	5	P	8	**990.5373**	**495.7725**
752.4671	6	Q	7	893.4845	447.2462
865.5511	7	I	6	**765.4259**	383.2169
993.6097	8	Q	5	**652.3418**	326.6748
1092.6781	9	V	4	**524.2833**	262.6455
1255.7414	10	Y	3	**425.2149**	213.1113
1342.7735	11	S	2	262.1515	131.5797
	12	R	1	**175.1195**	88.0637

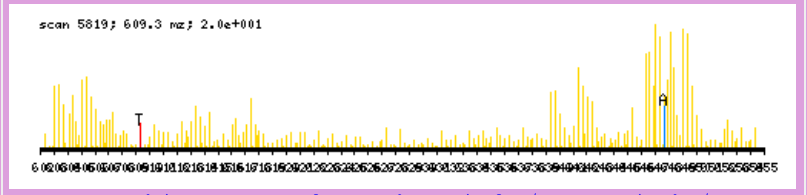
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

IQMTQTPSSLSASLGDR, MH+ 1825.9542, m/z 609.3229
H OS G30 P160811 220811-s1.05822.05822.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



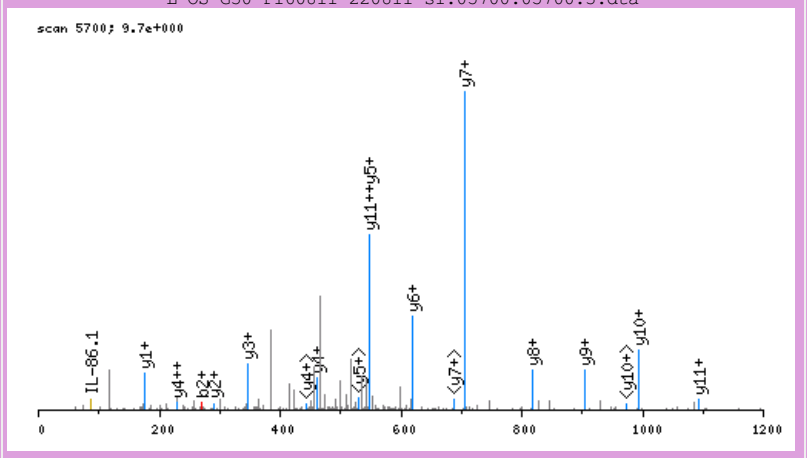
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
276.2135	2	Q	16	1678.8070	839.9074
407.2540	3	M	15	1550.7484	775.8781
508.3017	4	T	14	1419.7080	710.3579
636.3603	5	Q	13	1318.6603	659.8341
737.4080	6	T	12	1190.6017	**595.8048**
834.4607	7	P	11	1089.5540	**545.2809**
921.4928	8	S	10	**992.5013**	496.7545
1008.5248	9	S	9	**905.4692**	453.2385
1121.6088	10	L	8	**818.4372**	409.7225
1208.6409	11	S	7	**705.3531**	353.1805
1279.6780	12	A	6	**618.3211**	309.6645
1366.7100	13	S	5	**547.2840**	274.1459
1479.7941	14	L	4	460.2520	**230.6299**
1536.8155	15	G	3	**347.1679**	174.0879
1651.8425	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

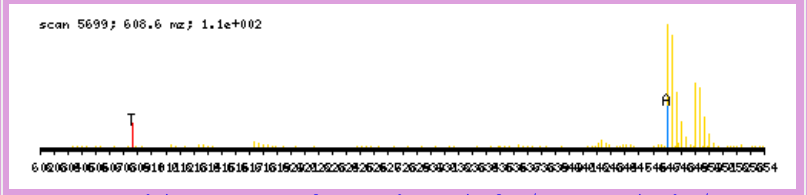
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IQMTQTTSSLSASLGDR, MH+ 1823.9173, m/z 608.6439
L OS G30 P160811 220811-s1.05700.05700.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



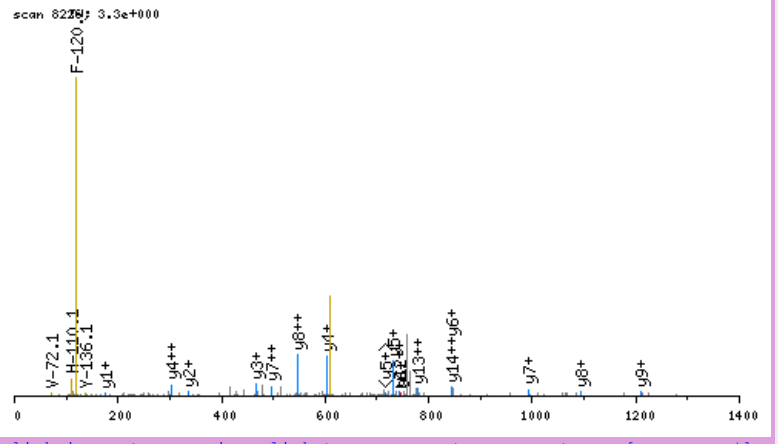
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	17		
270.1817	2	Q	16	1682.8019	841.9049
401.2222	3	M	15	1554.7434	777.8756
502.2699	4	T	14	1423.7029	712.3554
630.3285	5	Q	13	1322.6552	661.8315
731.3762	6	T	12	1194.5966	597.8022
832.4238	7	T	11	**1093.5489**	**547.2784**
919.4559	8	S	10	**992.5013**	496.7545
1006.4879	9	S	9	**905.4692**	453.2385
1119.5720	10	L	8	**818.4372**	409.7225
1206.6040	11	S	7	**705.3531**	353.1805
1277.6411	12	A	6	**618.3211**	309.6645
1364.6731	13	S	5	**547.2840**	274.1459
1477.7572	14	L	4	**460.2520**	**230.6299**
1534.7787	15	G	3	**347.1679**	174.0879
1649.8056	16	D	2	**290.1464**	145.5771
	17	R	1	**175.1195**	88.0637

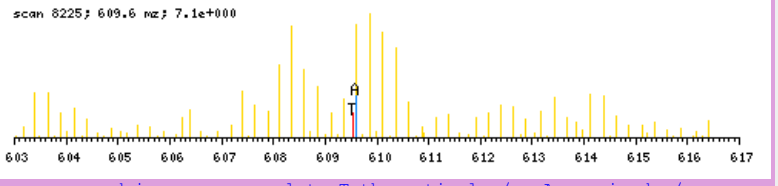
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

IQTQQLHAAMADTFLEHMCR, MH+ 2435.1845, m/z 609.5516
H OS G34 P160811 220811-s1.08226.08226.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



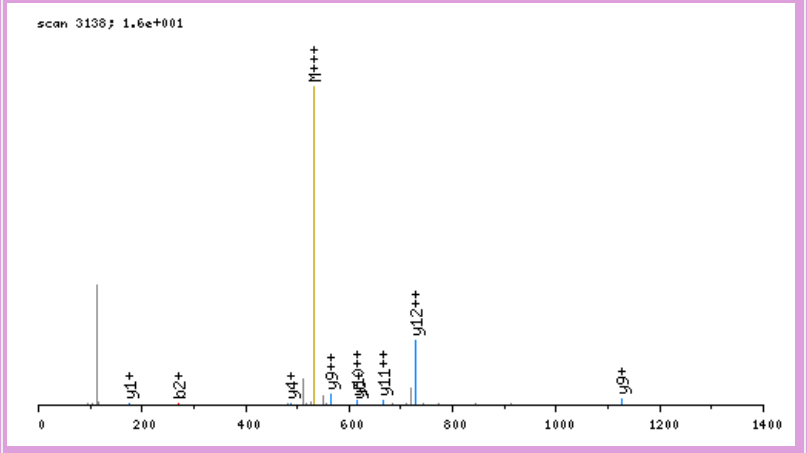
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	20		
276.2135	2	Q	19	2288.0374	1144.5226
377.2612	3	T	18	2159.9788	1080.4933
505.3198	4	Q	17	2058.9311	1029.9695
633.3784	5	Q	16	1930.8726	965.9402
746.4624	6	L	15	1802.8140	901.9109
883.5214	7	H	14	1689.7299	**845.3689**
954.5585	8	A	13	1552.6710	**776.8394**
1025.5956	9	A	12	1481.6339	**741.3209**
1156.6361	10	M	11	1410.5968	705.8023
1227.6732	11	A	10	1279.5563	640.2821
1342.7001	12	D	9	**1208.5192**	604.7635
1443.7478	13	T	8	**1093.4922**	**547.2500**
1590.8162	14	F	7	**992.4446**	**496.7262**
1703.9003	15	L	6	**845.3762**	423.1920
1832.9429	16	E	5	**732.2921**	366.6500
1970.0018	17	H	4	**603.2495**	**302.1287**
2101.0423	18	M	3	**466.1906**	233.5992
2261.0729	19	C	2	**335.1501**	168.0790
	20	R	1	**175.1195**	88.0637

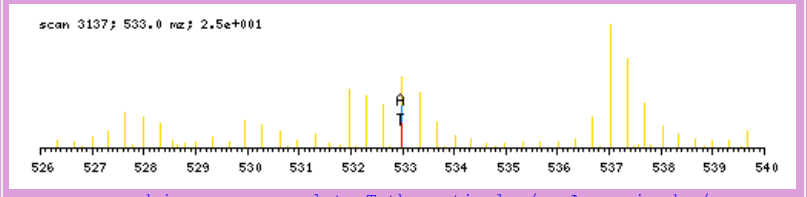
N-term:+35.07 C(19):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IQVTPQEKEAIER, MH+ 1596.8961, m/z 532.9702
L OS G33 P160811 220811-s1.03138.03138.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



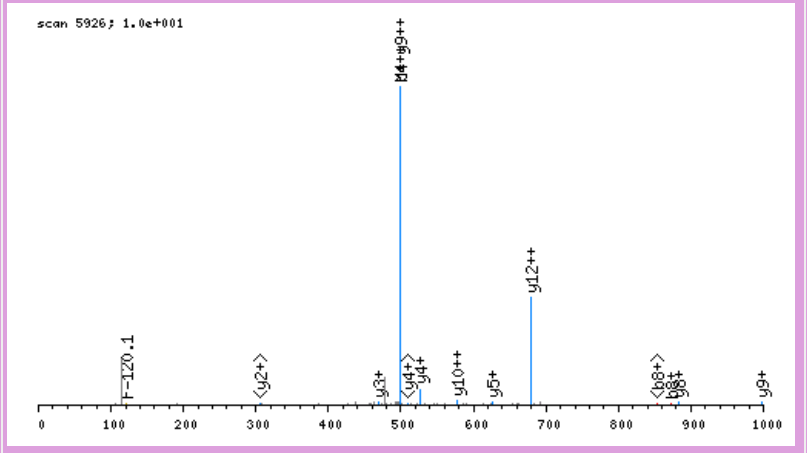
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	13		
270.1817	2	Q	12	1455.7808	728.3943
369.2502	3	V	11	1327.7222	664.3650
470.2978	4	T	10	1228.6538	614.8308
567.3506	5	P	9	1127.6061	564.3070
695.4092	6	Q	8	1030.5533	515.7806
824.4518	7	E	7	902.4948	451.7513
980.5781	8	K	6	773.4522	387.2300
1109.6207	9	E	5	617.3259	309.1668
1180.6578	10	A	4	488.2833	244.6455
1293.7418	11	I	3	417.2462	209.1270
1422.7844	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

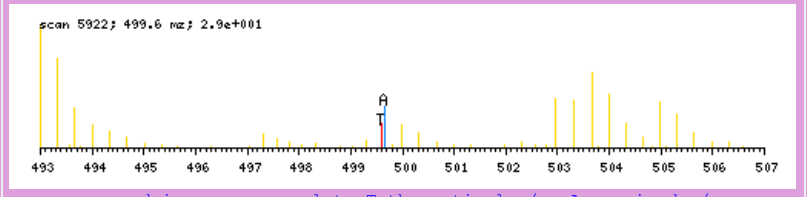
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISDKDASVVGFFR, MH+ 1496.8113, m/z 499.6086
L OS G33 P160811 220811-s1.05926.05926.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



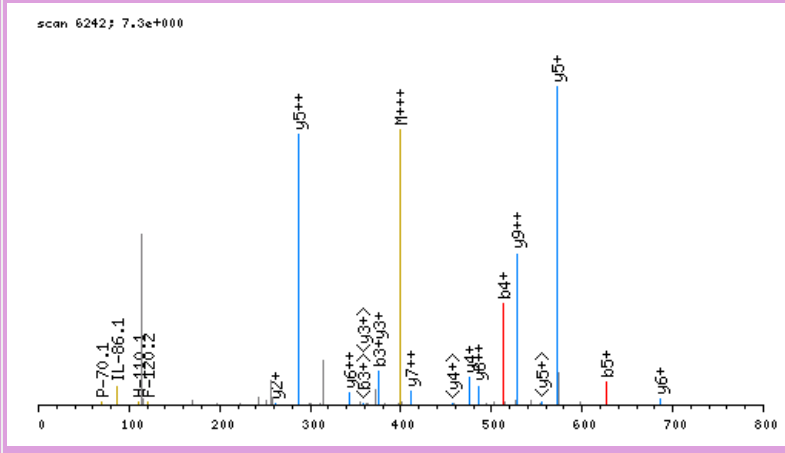
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	13		
229.1552	2	S	12	1355.6960	**678.3519**
344.1821	3	D	11	1268.6639	634.8359
500.3084	4	K	10	1153.6370	**577.3224**
615.3354	5	D	9	**997.5107**	**499.2593**
686.3725	6	A	8	**882.4838**	441.7458
773.4045	7	S	7	811.4466	406.2272
872.4729	8	V	6	724.4146	362.7112
971.5413	9	V	5	**625.3462**	313.1770
1028.5628	10	G	4	**526.2778**	263.6428
1175.6312	11	F	3	**469.2563**	235.1321
1322.6996	12	F	2	322.1879	161.5979
	13	R	1	175.1195	88.0637

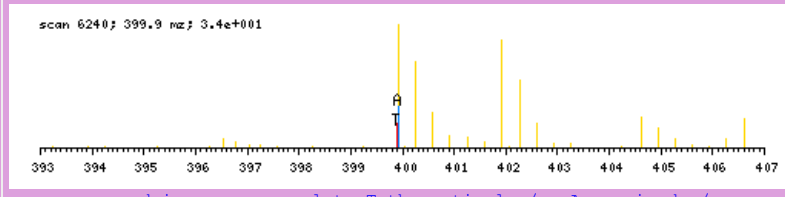
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISFHLPVNSR, MH+ 1197.6744, m/z 399.8963
L OS G34 P160811 220811-s1.06242.06242.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



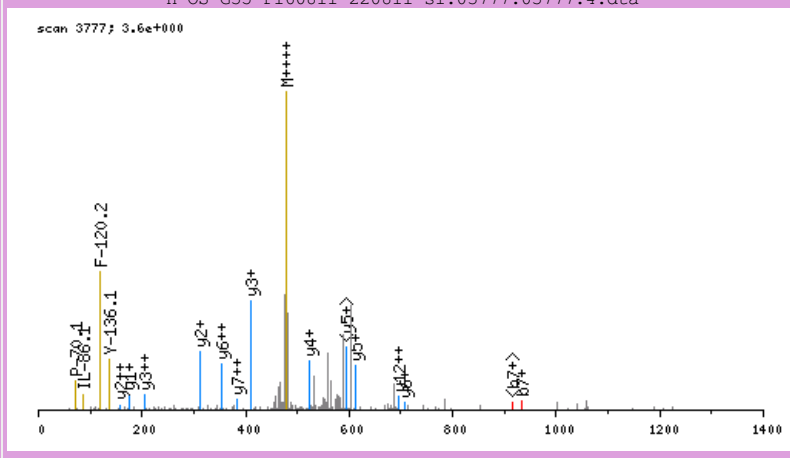
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	10		
229.1552	2	S	9	1056.5591	**528.7834**
376.2236	3	F	8	969.5270	**485.2674**
513.2825	4	H	7	822.4586	**411.7332**
626.3666	5	L	6	**685.3997**	**343.2038**
723.4193	6	P	5	**572.3156**	**286.6617**
822.4878	7	V	4	**475.2629**	238.1353
936.5307	8	N	3	**376.1945**	188.6011
1023.5627	9	S	2	**262.1515**	131.5797
	10	R	1	175.1195	88.0637

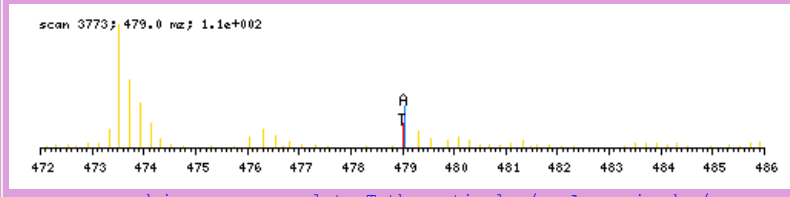
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISKQEYDESGPSIVHR, MH+ 1913.0405, m/z 479.0156
H OS G35 P160811 220811-s1.03777.03777.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



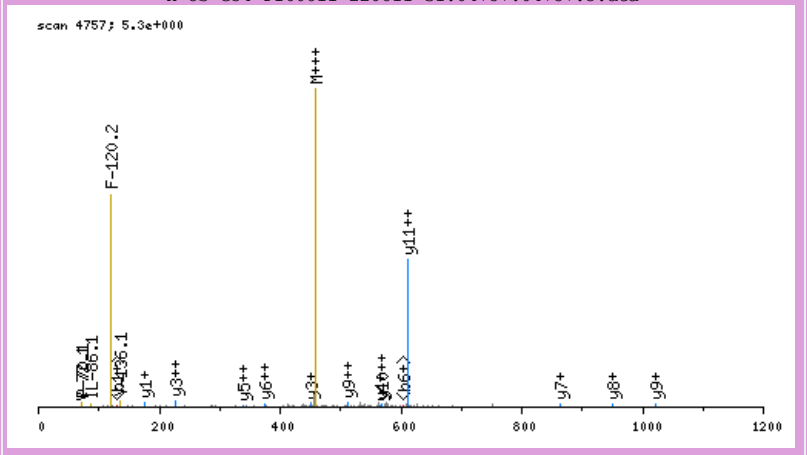
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
235.1870	2	S	15	1765.8933	883.4506
397.3451	3	K	14	1678.8613	839.9346
525.4037	4	Q	13	1516.7032	758.8555
654.4463	5	E	12	1388.6446	**694.8262**
817.5096	6	Y	11	1259.6020	630.3049
932.5365	7	D	10	1096.5387	548.7733
1061.5791	8	E	9	981.5118	491.2598
1148.6112	9	S	8	852.4692	426.7385
1205.6326	10	G	7	765.4371	**383.2225**
1302.6854	11	P	6	**708.4157**	**354.7118**
1389.7174	12	S	5	**611.3629**	306.1854
1502.8015	13	I	4	**524.3309**	262.6694
1601.8699	14	V	3	**411.2468**	**206.1273**
1738.9288	15	H	2	**312.1784**	**156.5931**
	16	R	1	**175.1195**	88.0637

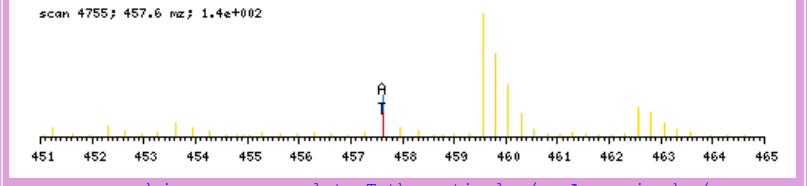
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISNASDALDKIR, MH+ 1370.8280, m/z 457.6142
H_OS_G34_P160811_220811-s1.04757.04757.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



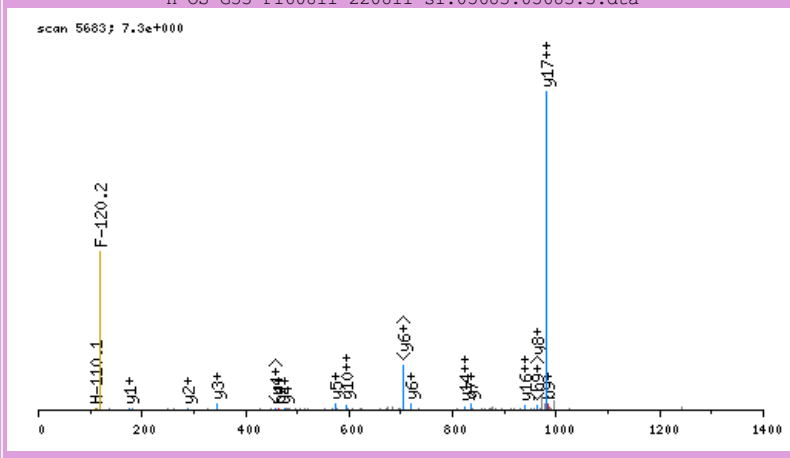
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	12		
235.1870	2	S	11	1223.6808	**612.3443**
349.2299	3	N	10	1136.6488	**568.8283**
420.2670	4	A	9	**1022.6059**	**511.8068**
507.2991	5	S	8	**951.5688**	476.2883
622.3260	6	D	7	**864.5367**	432.7723
693.3631	7	A	6	749.5098	**375.2588**
806.4472	8	L	5	678.4727	**339.7402**
921.4741	9	D	4	**565.3886**	283.1982
1083.6322	10	K	3	**450.3617**	**225.6847**
1196.7163	11	I	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

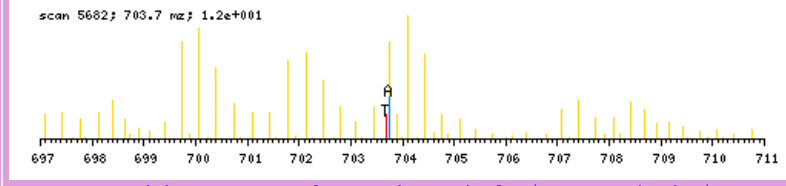
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISNNKDQGGYEDFVEGLR, MH+ 2109.0889, m/z 703.7011
H OS G33 P160811 220811-s1.05683.05683.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



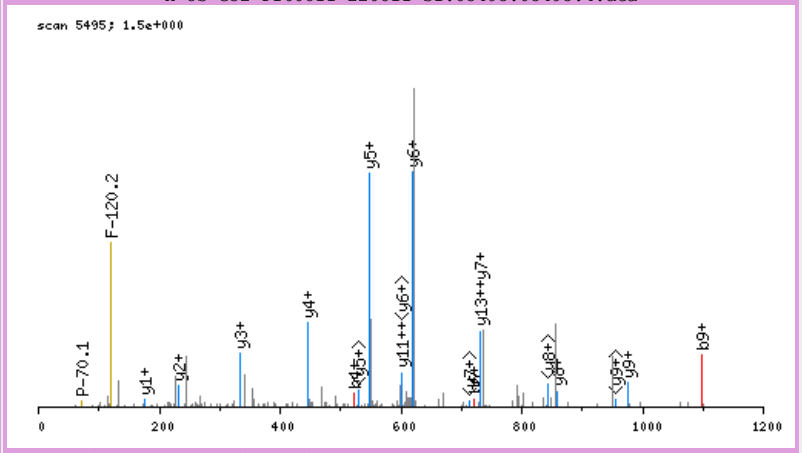
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	18		
235.1870	2	S	17	1961.9417	**981.4748**
349.2299	3	N	16	1874.9097	**937.9588**
463.2728	4	N	15	1760.8668	880.9373
625.4309	5	K	14	1646.8239	**823.9158**
740.4579	6	D	13	1484.6658	742.8368
868.5165	7	Q	12	1369.6388	685.3233
925.5379	8	G	11	1241.5802	621.2940
982.5594	9	G	10	1184.5588	**592.7833**
1145.6227	10	Y	9	1127.5373	564.2726
1274.6653	11	E	8	**964.4740**	482.7409
1389.6923	12	D	7	**835.4314**	418.2196
1536.7607	13	F	6	**720.4044**	360.7061
1635.8291	14	V	5	**573.3360**	287.1719
1764.8717	15	E	4	**474.2676**	237.6377
1821.8931	16	G	3	**345.2250**	173.1164
1934.9772	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

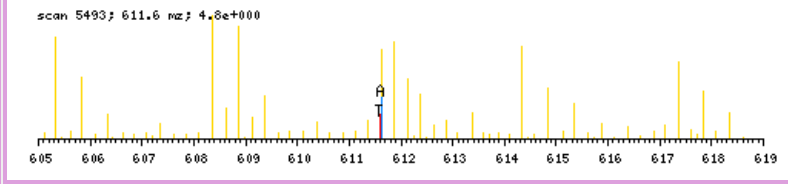
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISQCTPKVDFPQDQLATLTGR, MH+ 2443.3291, m/z 611.5877
H OS G32 P160811 220811-s1.05495.05495.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



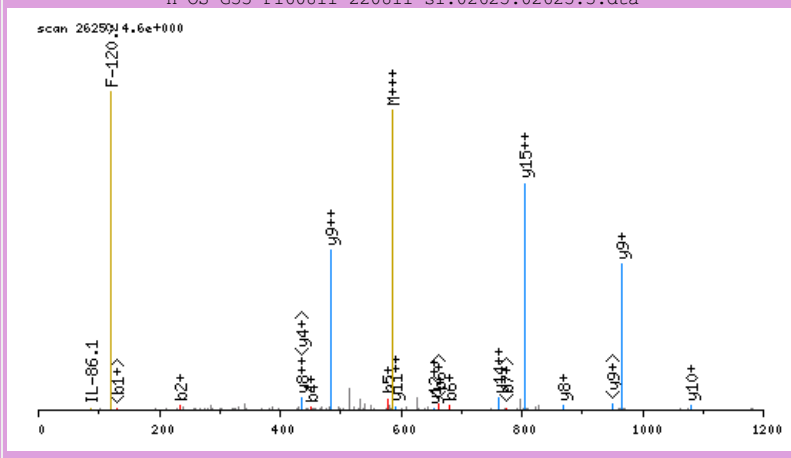
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	21		
235.1870	2	S	20	2296.1819	1148.5949
363.2456	3	Q	19	2209.1499	1105.0789
523.2762	4	C	18	2081.0913	1041.0496
624.3238	5	T	17	1921.0607	961.0343
721.3766	6	P	16	1820.0131	910.5104
883.5347	7	K	15	1722.9603	861.9841
982.6031	8	V	14	1560.8022	780.9050
1097.6301	9	D	13	1461.7338	**731.3708**
1244.6985	10	F	12	1346.7068	673.8573
1341.7512	11	P	11	1199.6384	**600.3231**
1469.8098	12	Q	10	1102.5857	551.7967
1584.8368	13	D	9	**974.5271**	487.7675
1712.8953	14	Q	8	**859.5001**	430.2540
1825.9794	15	L	7	**731.4416**	366.2247
1897.0165	16	A	6	**618.3575**	309.6827
1998.0642	17	T	5	**547.3204**	274.1641
2111.1483	18	L	4	**446.2727**	223.6403
2212.1959	19	T	3	**333.1886**	167.0982
2269.2174	20	G	2	**232.1410**	116.5744
	21	R	1	**175.1195**	88.0637

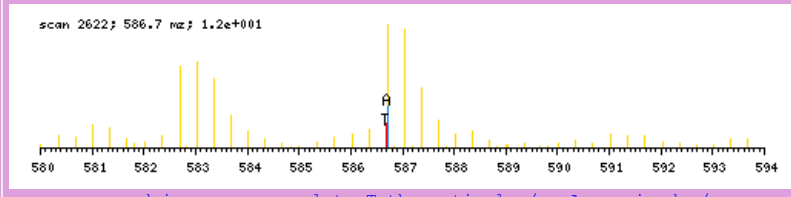
N-term:+35.07 C(4):+160.03
K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISSQQTIPPSAKYGGR, MH+ 1758.0186, m/z 586.6777
H OS G33 P160811 220811-s1.02625.02625.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



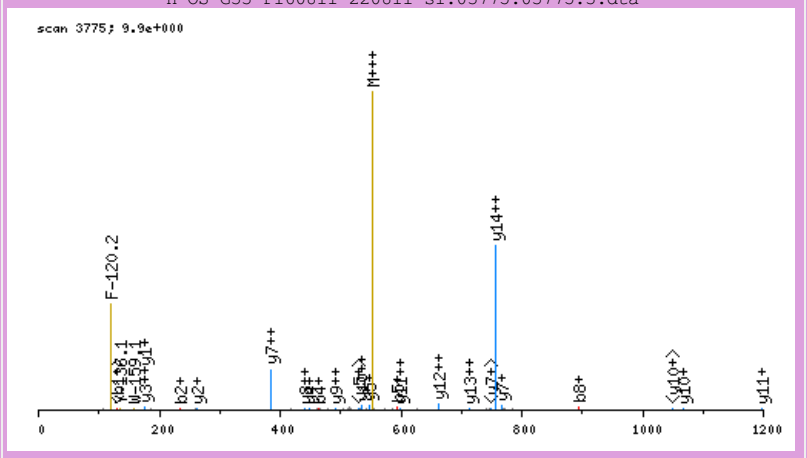
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
235.1870	2	S	15	1610.8715	**805.9397**
322.2190	3	S	14	1523.8395	**762.4236**
450.2776	4	Q	13	1436.8074	718.9076
578.3362	5	Q	12	1308.7488	**654.8783**
679.3839	6	T	11	1180.6903	**590.8490**
792.4679	7	I	10	**1079.6426**	540.3252
889.5207	8	P	9	**966.5585**	**483.7832**
986.5734	9	P	8	**869.5058**	**435.2568**
1073.6055	10	S	7	772.4530	386.7304
1144.6426	11	A	6	685.4210	343.2144
1306.8007	12	K	5	614.3839	307.6958
1469.8640	13	Y	4	452.2258	226.6168
1526.8855	14	G	3	289.1624	145.0851
1583.9069	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

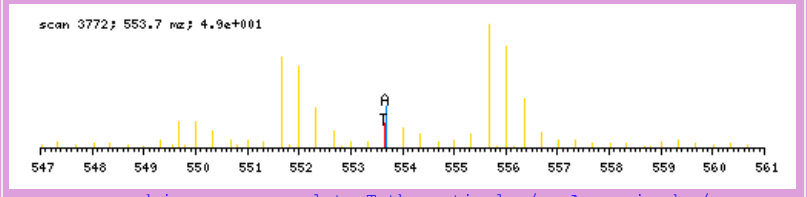
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISVEESVDGKVVSSR, MH+ 1658.9601, m/z 553.6582
H OS G33 P160811 220811-s1.03775.03775.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



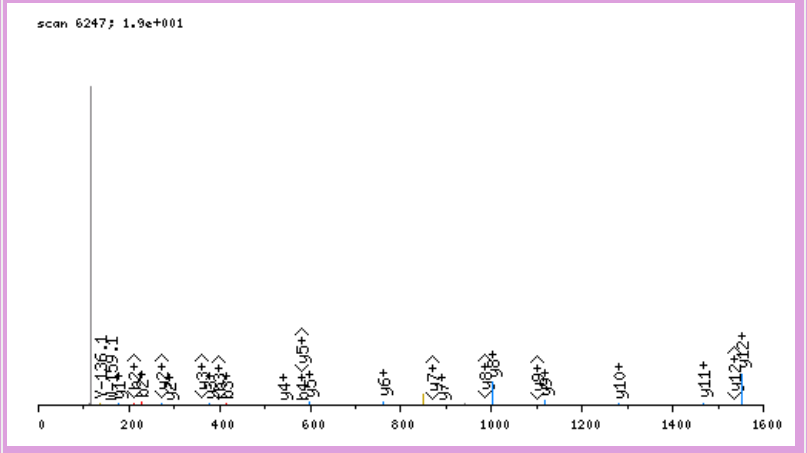
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	15		
235.1870	2	S	14	1511.8130	**756.4104**
334.2554	3	V	13	1424.7809	**712.8944**
463.2980	4	E	12	1325.7125	**663.3602**
592.3406	5	E	11	**1196.6699**	**598.8389**
679.3726	6	S	10	**1067.6273**	**534.3176**
778.4410	7	V	9	980.5953	**490.8016**
893.4680	8	D	8	881.5269	**441.2674**
950.4894	9	G	7	**766.4999**	**383.7539**
1112.6475	10	K	6	709.4785	355.2432
1211.7160	11	V	5	**547.3204**	274.1641
1310.7844	12	V	4	**448.2520**	224.6299
1397.8164	13	S	3	349.1836	**175.0957**
1484.8484	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

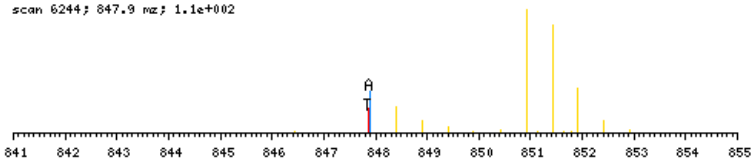
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ISWYDNEYGYSNR, MH+ 1694.7451, m/z 847.8762
L OS G31 P160811 220811-s1.06247.06247.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



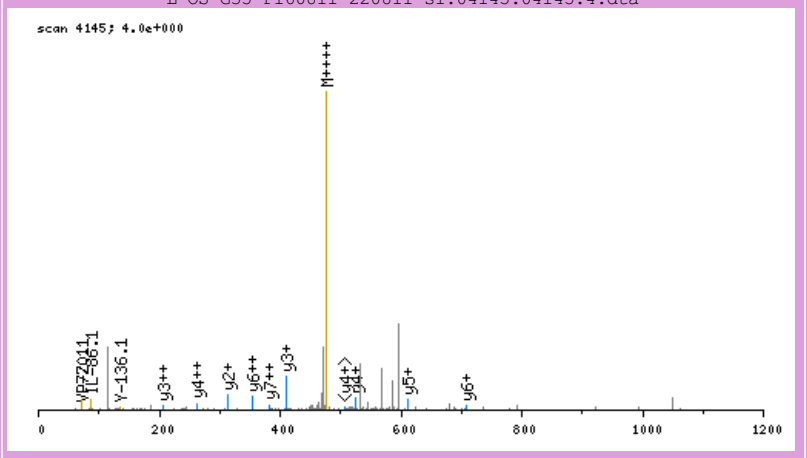
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	13		
229.1552	2	S	12	1553.6297	777.3188
415.2345	3	W	11	1466.5977	733.8028
578.2978	4	Y	10	1280.5184	640.7631
693.3248	5	D	9	1117.4550	559.2314
807.3677	6	N	8	1002.4281	501.7180
936.4103	7	E	7	888.3852	444.6965
1099.4736	8	Y	6	759.3426	380.1752
1156.4951	9	G	5	596.2792	298.6435
1319.5584	10	Y	4	539.2578	270.1328
1406.5904	11	S	3	376.1945	188.6011
1520.6334	12	N	2	289.1624	145.0851
	13	R	1	175.1195	88.0637

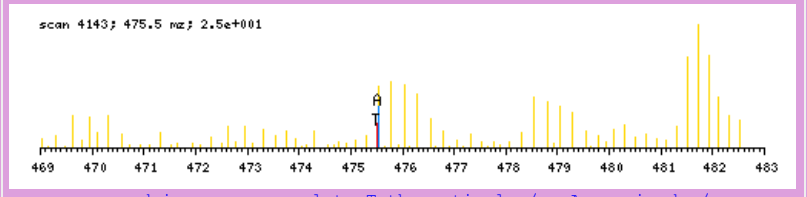
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

ITKQEYDEAGPSIVHR, MH+ 1898.9976, m/z 475.5049
L OS G35 P160811 220811-s1.04145.04145.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



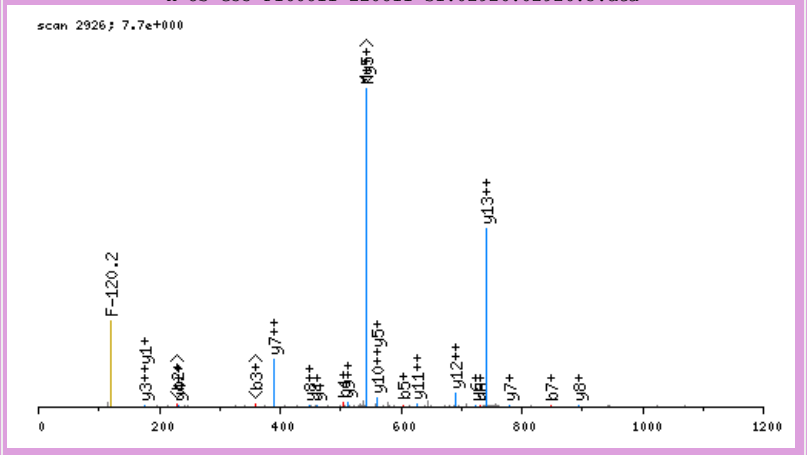
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
243.1708	2	T	15	1757.8823	879.4450
399.2971	3	K	14	1656.8346	828.9212
527.3557	4	Q	13	1500.7083	750.8581
656.3983	5	E	12	1372.6497	686.8288
819.4616	6	Y	11	1243.6071	622.3075
934.4886	7	D	10	1080.5438	540.7758
1063.5312	8	E	9	965.5169	483.2623
1134.5683	9	A	8	836.4743	418.7410
1191.5898	10	G	7	765.4371	**383.2225**
1288.6425	11	P	6	**708.4157**	**354.7118**
1375.6745	12	S	5	**611.3629**	306.1854
1488.7586	13	I	4	**524.3309**	**262.6694**
1587.8270	14	V	3	**411.2468**	**206.1273**
1724.8859	15	H	2	**312.1784**	156.5931
	16	R	1	175.1195	88.0637

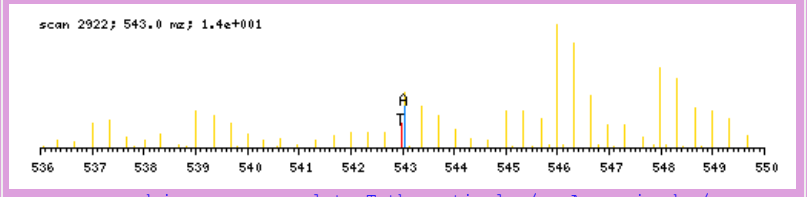
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVEEVQDGKVISSR, MH+ 1626.9703, m/z 542.9949
H OS G33 P160811 220811-s1.02926.02926.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



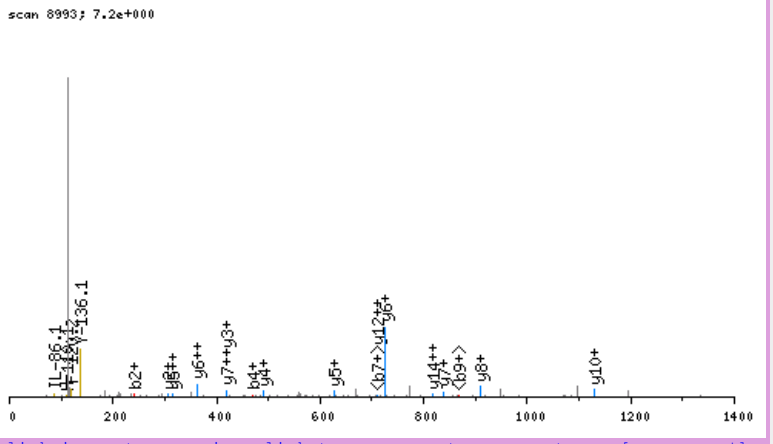
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	14		
247.2234	2	V	13	1479.8231	**740.4155**
376.2660	3	E	12	1380.7547	**690.8813**
505.3086	4	E	11	1251.7121	**626.3600**
604.3770	5	V	10	1122.6695	**561.8387**
732.4356	6	Q	9	1023.6011	**512.3045**
847.4625	7	D	8	**895.5425**	**448.2752**
904.4840	8	G	7	**780.5156**	**390.7617**
1066.6421	9	K	6	**723.4941**	362.2510
1165.7105	10	V	5	**561.3360**	281.1719
1278.7945	11	I	4	**462.2676**	**231.6377**
1365.8266	12	S	3	349.1836	**175.0957**
1452.8586	13	S	2	262.1515	131.5797
	14	R	1	**175.1195**	88.0637

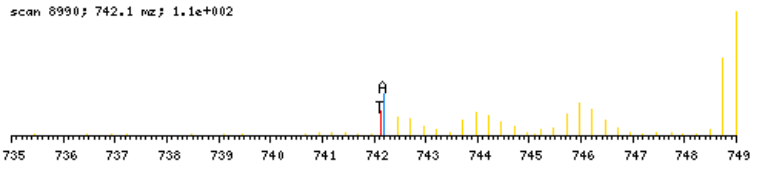
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVLDSGDGVTHNVPIYEGYALPHAIMR, MH+ 2965.5246, m/z 742.1366
L OS G34 P160811 220811-s1.08993.08993.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



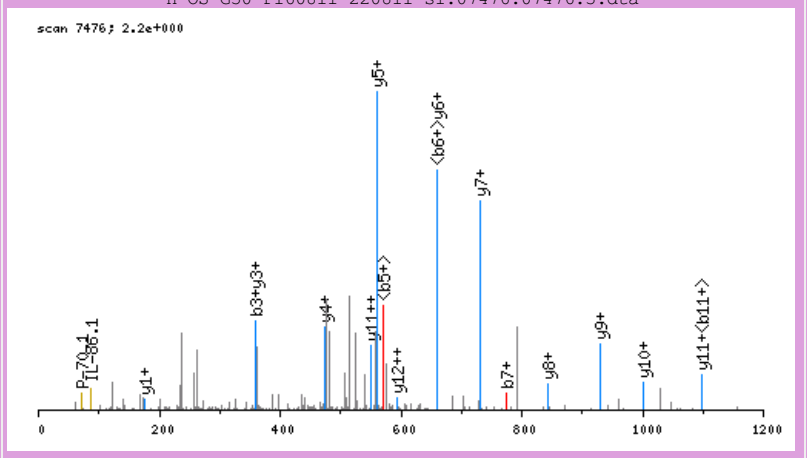
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	27		
241.1916	2	V	26	2824.4092	1412.7085
354.2756	3	L	25	2725.3408	1363.1743
469.3026	4	D	24	2612.2567	1306.6323
556.3346	5	S	23	2497.2298	1249.1188
613.3561	6	G	22	2410.1978	1205.6028
728.3830	7	D	21	2353.1763	1177.0921
785.4045	8	G	20	2238.1494	1119.5786
884.4729	9	V	19	2181.1279	1091.0679
985.5206	10	T	18	2082.0595	1041.5337
1122.5795	11	H	17	1981.0118	991.0098
1236.6224	12	N	16	1843.9529	922.4804
1335.6908	13	V	15	1729.9100	865.4589
1432.7436	14	P	14	1630.8416	815.9247
1545.8277	15	I	13	1533.7888	767.3983
1708.8910	16	Y	12	1420.7047	710.8563
1837.9336	17	E	11	1257.6414	629.3246
1894.9550	18	G	10	1128.5988	564.8033
2058.0184	19	Y	9	1071.5773	536.2926
2129.0555	20	A	8	908.5140	454.7609
2242.1395	21	L	7	837.4769	419.2424
2339.1923	22	P	6	724.3928	362.7003
2476.2512	23	H	5	627.3401	314.1740
2547.2883	24	A	4	490.2812	245.6445
2660.3724	25	I	3	419.2440	210.1259
2791.4129	26	M	2	306.1600	153.5839
	27	R	1	175.1195	88.0637

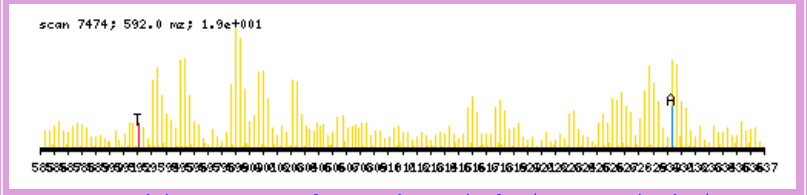
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVLTQSPASLAVSLGQR, MH+ 1774.0650, m/z 592.0265
H OS G30 P160811 220811-s1.07476.07476.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



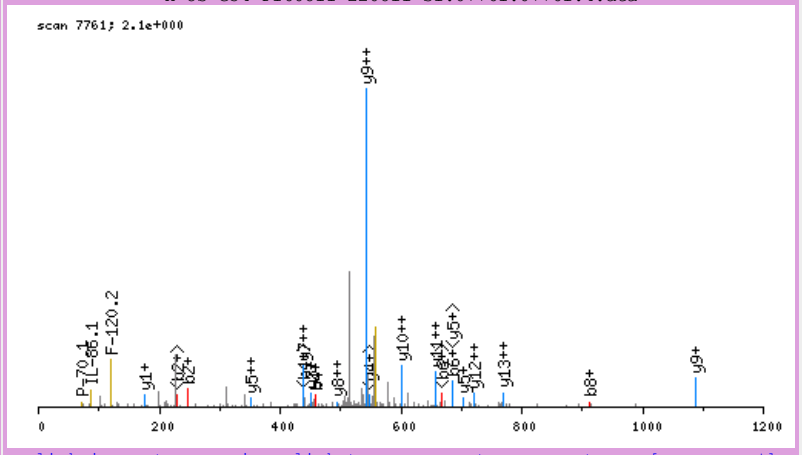
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
247.2234	2	V	16	1626.9179	813.9629
360.3074	3	L	15	1527.8495	764.4287
461.3551	4	T	14	1414.7654	707.8866
589.4137	5	Q	13	1313.7177	657.3628
676.4457	6	S	12	1185.6592	**593.3335**
773.4985	7	P	11	**1098.6271**	**549.8175**
844.5356	8	A	10	**1001.5744**	501.2911
931.5676	9	S	9	**930.5373**	465.7725
1044.6517	10	L	8	**843.5052**	422.2565
1115.6888	11	A	7	**730.4212**	365.7145
1214.7572	12	V	6	**659.3840**	330.1959
1301.7893	13	S	5	**560.3156**	280.6617
1414.8733	14	L	4	**473.2836**	237.1457
1471.8948	15	G	3	**360.1995**	180.6037
1599.9534	16	Q	2	303.1781	152.0930
	17	R	1	**175.1195**	88.0637

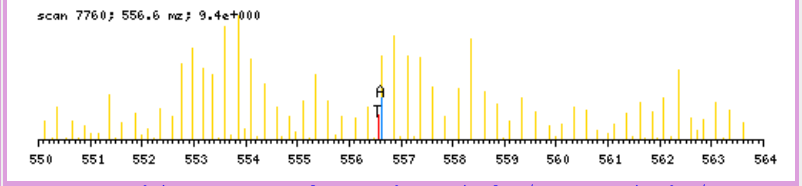
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVPIVEPEILPDGDHDLKR, MH+ 2223.3025, m/z 556.5811
H OS G34 P160811 220811-s1.07761.07761.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



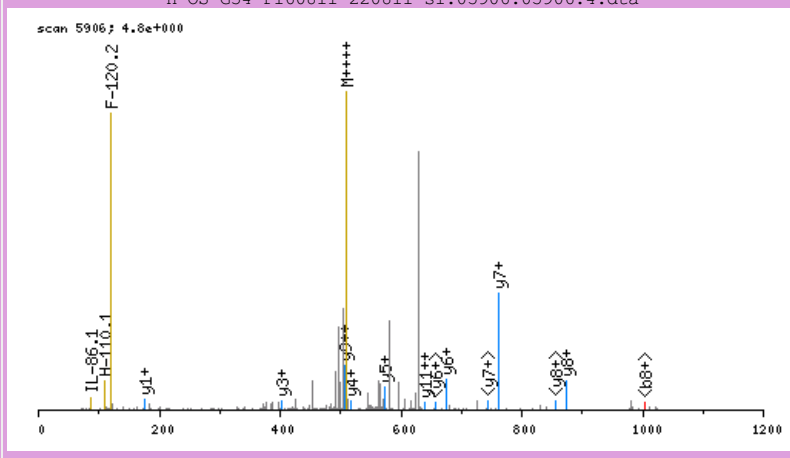
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	19		
247.2234	2	V	18	2076.1554	1038.5816
344.2761	3	P	17	1977.0870	989.0474
457.3602	4	I	16	1880.0342	940.5210
556.4286	5	V	15	1766.9501	883.9790
685.4712	6	E	14	1667.8817	834.4448
782.5240	7	P	13	1538.8391	**769.9235**
911.5666	8	E	12	1441.7864	**721.3971**
1024.6506	9	I	11	1312.7438	**656.8758**
1137.7347	10	L	10	1199.6597	**600.3338**
1234.7875	11	P	9	**1086.5756**	**543.7917**
1349.8144	12	D	8	989.5229	**495.2653**
1406.8359	13	G	7	874.4959	**437.7519**
1521.8628	14	D	6	817.4745	409.2411
1658.9217	15	H	5	**702.4475**	**351.7277**
1773.9487	16	D	4	565.3886	283.1982
1887.0327	17	L	3	**450.3617**	225.6847
2049.1908	18	K	2	337.2776	169.1427
	19	R	1	**175.1195**	88.0637

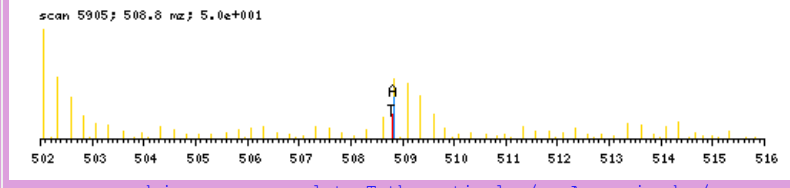
N-term:+35.07 K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVQKYGYTHLSTGDLLR, MH+ 2032.1867, m/z 508.8021
H OS G34 P160811 220811-s1.05906.05906.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



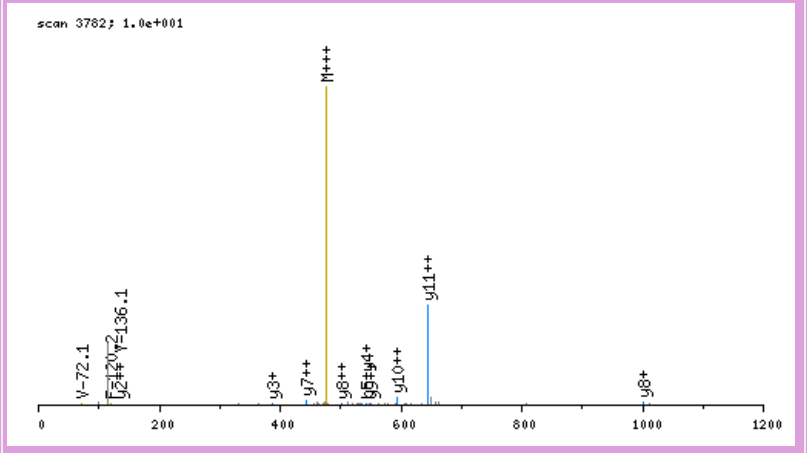
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
247.2234	2	V	16	1885.0396	943.0237
375.2820	3	Q	15	1785.9712	893.4895
537.4401	4	K	14	1657.9126	829.4602
700.5034	5	Y	13	1495.7545	748.3812
757.5248	6	G	12	1332.6912	666.8495
920.5882	7	Y	11	1275.6697	**638.3388**
1021.6359	8	T	10	1112.6064	556.8071
1158.6948	9	H	9	1011.5587	**506.2833**
1271.7788	10	L	8	**874.4998**	437.7538
1358.8109	11	S	7	**761.4157**	381.2118
1459.8585	12	T	6	**674.3837**	337.6958
1516.8800	13	G	5	**573.3360**	287.1719
1631.9069	14	D	4	**516.3146**	258.6612
1744.9910	15	L	3	**401.2876**	201.1477
1858.0751	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

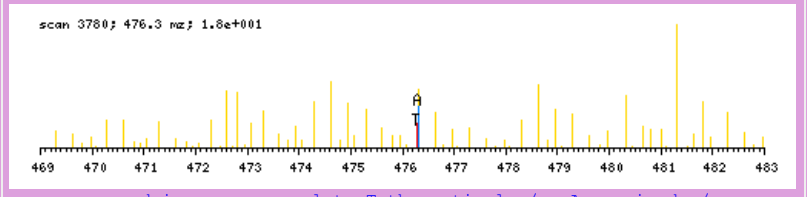
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IVSVDETIKNPR, MH+ 1426.8270, m/z 476.2805
L OS G34 P160811 220811-s1.03782.03782.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

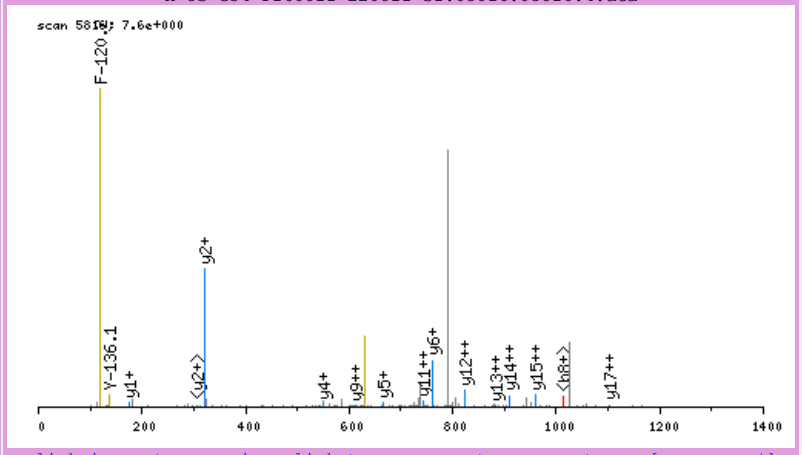


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

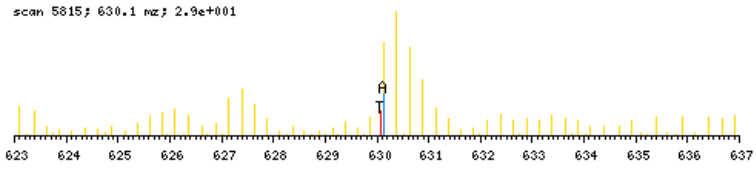
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	12		
241.1916	2	V	11	1285.7116	**643.3597**
328.2236	3	S	10	1186.6432	**593.8255**
427.2920	4	V	9	1099.6112	**550.3095**
542.3190	5	D	8	**1000.5428**	**500.7753**
671.3616	6	E	7	885.5158	**443.2618**
772.4092	7	T	6	756.4732	378.7405
885.4933	8	I	5	655.4256	328.2167
1041.6196	9	K	4	**542.3415**	271.6747
1155.6625	10	N	3	**386.2152**	193.6115
1252.7153	11	P	2	272.1723	**136.5900**
	12	R	1	175.1195	88.0637

N-term:+29.04 K(9):+156.13

IYCQVGDKPYWKDPNNDFR, MH+ 2517.3085, m/z 630.0826
H OS G34 P160811 220811-s1.05816.05816.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

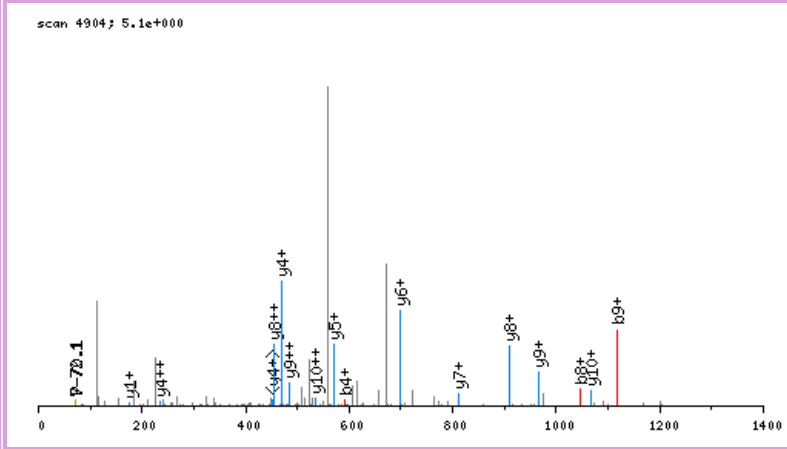
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	19		
311.2183	2	Y	18	2370.1614	1185.5846
471.2489	3	C	17	2207.0980	**1104.0529**
599.3075	4	Q	16	2047.0674	1024.0376
698.3759	5	V	15	1919.0088	**960.0083**
755.3973	6	G	14	1819.9404	**910.4741**
870.4243	7	D	13	1762.9190	**881.9634**
1032.5824	8	K	12	1647.8920	**824.4499**
1129.6352	9	P	11	1485.7339	**743.3709**
1292.6985	10	Y	10	1388.6812	694.8445
1478.7778	11	W	9	1225.6178	**613.3128**
1640.9359	12	K	8	1039.5385	520.2732
1755.9628	13	D	7	877.3804	439.1941
1853.0156	14	P	6	**762.3535**	381.6807
1967.0585	15	N	5	**665.3007**	333.1543
2081.1015	16	N	4	**551.2578**	276.1328
2196.1284	17	D	3	437.2149	219.1113
2343.1968	18	F	2	**322.1879**	161.5979
	19	R	1	**175.1195**	88.0637

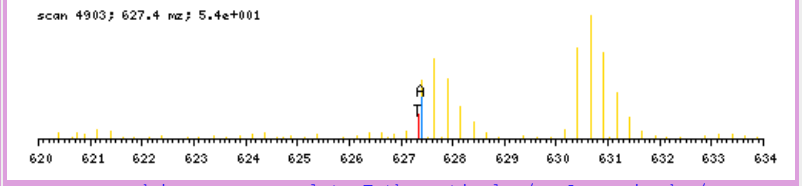
N-term:+35.07 C(3):+160.03
K(8):+162.16 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

IYEKPQTEAPQVTGPIEVPVVR, MH+ 2506.3921, m/z 627.3535
L OS G32 P160811 220811-s1.04904.04904.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



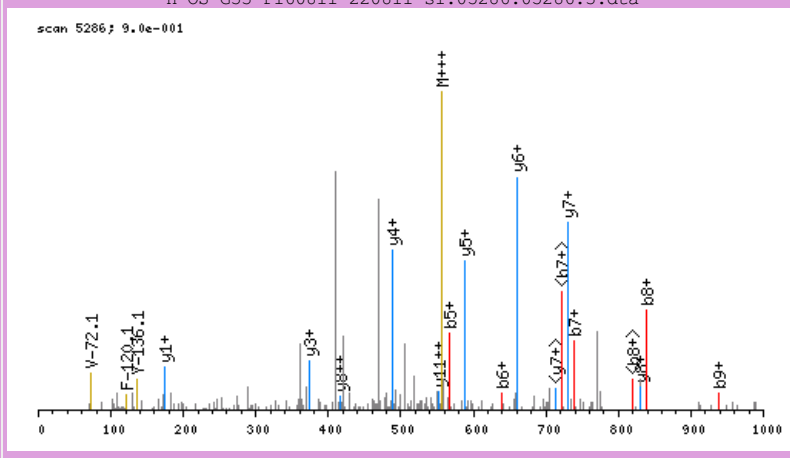
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	22		
305.1865	2	Y	21	2365.2768	1183.1423
434.2291	3	E	20	2202.2134	1101.6106
590.3554	4	K	19	2073.1709	1037.0893
687.4081	5	P	18	1917.0446	959.0262
815.4667	6	Q	17	1819.9918	910.4998
916.5144	7	T	16	1691.9332	846.4705
1045.5570	8	E	15	1590.8855	795.9467
1116.5941	9	A	14	1461.8429	731.4254
1213.6469	10	P	13	1390.8058	695.9068
1341.7055	11	Q	12	1293.7531	647.3804
1440.7739	12	V	11	1165.6945	583.3512
1541.8215	13	T	10	**1066.6261**	**533.8169**
1598.8430	14	G	9	**965.5784**	**483.2931**
1695.8958	15	P	8	**908.5569**	**454.7824**
1808.9798	16	I	7	**811.5042**	406.2560
1938.0224	17	E	6	**698.4201**	349.7140
2037.0908	18	V	5	**569.3775**	285.1927
2134.1436	19	P	4	**470.3091**	**235.6585**
2233.2120	20	V	3	373.2563	187.1321
2332.2804	21	V	2	274.1879	137.5979
	22	R	1	**175.1195**	88.0637

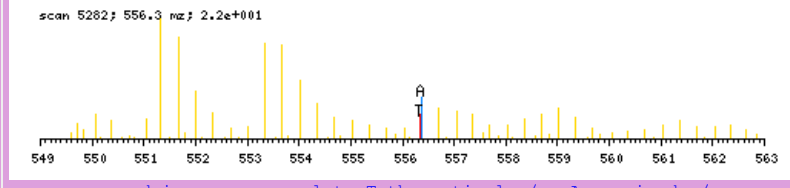
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KAEAVATVVAAVDQAR, MH+ 1667.0128, m/z 556.3425
H OS G33 P160811 220811-s1.05286.05286.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



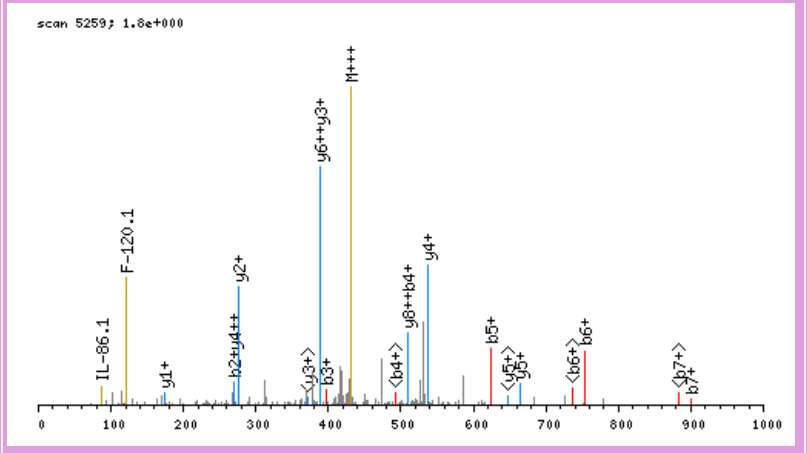
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	16		
268.2661	2	A	15	1470.7916	735.8997
397.3087	3	E	14	1399.7545	700.3812
468.3458	4	A	13	1270.7119	635.8599
567.4142	5	V	12	1199.6748	600.3413
638.4513	6	A	11	1100.6064	**550.8071**
739.4990	7	T	10	1029.5693	515.2886
838.5674	8	V	9	928.5216	464.7647
937.6359	9	V	8	**829.4532**	**415.2305**
1008.6730	10	A	7	**730.3848**	365.6963
1079.7101	11	A	6	**659.3477**	330.1777
1178.7785	12	V	5	**588.3105**	294.6592
1293.8054	13	D	4	**489.2421**	245.1250
1421.8640	14	Q	3	**374.2152**	187.6115
1492.9011	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

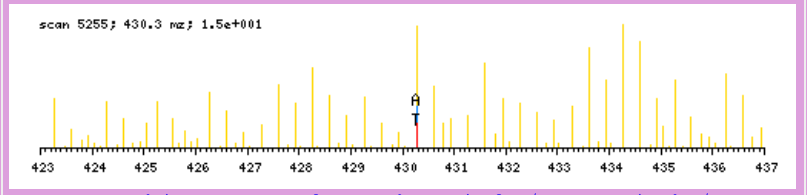
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KAELNEFLTR, MH+ 1288.7901, m/z 430.2682
H OS G34 P160811 220811-s1.05259.05259.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



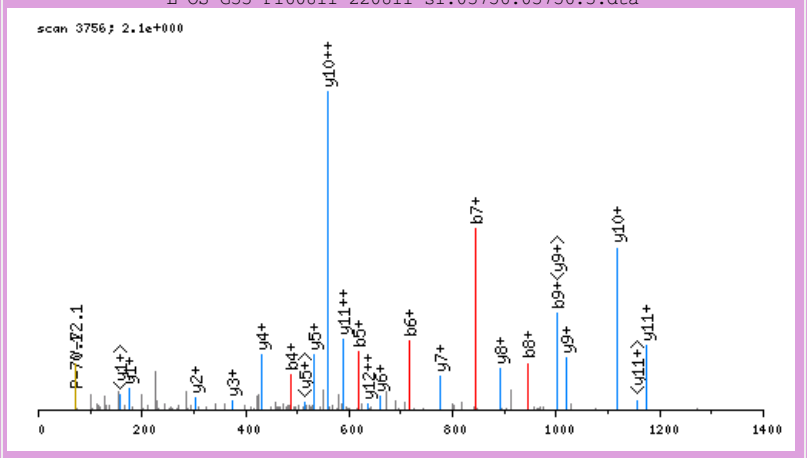
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	10		
268.2661	2	A	9	1092.5689	546.7884
397.3087	3	E	8	1021.5318	511.2698
510.3928	4	L	7	892.4892	446.7485
624.4357	5	N	6	779.4052	390.2065
753.4783	6	E	5	665.3623	333.1850
900.5467	7	F	4	536.3197	268.6637
1013.6308	8	L	3	389.2512	195.1295
1114.6784	9	T	2	276.1672	138.5875
	10	R	1	175.1195	88.0637

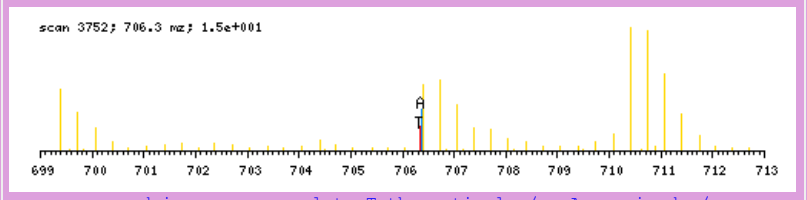
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KATEMVEVGPEDDEVGAER, MH+ 2117.0073, m/z 706.3406
L OS G33 P160811 220811-s1.03756.03756.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



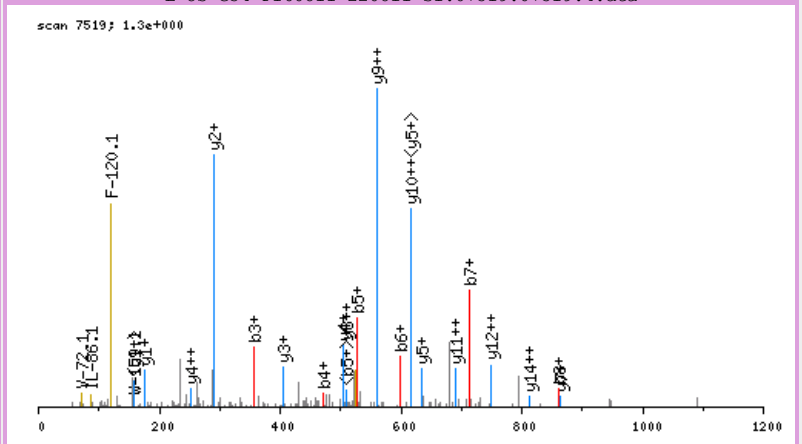
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	19		
256.2025	2	A	18	1932.8497	966.9288
357.2502	3	T	17	1861.8126	931.4102
486.2928	4	E	16	1760.7649	880.8864
617.3333	5	M	15	1631.7223	816.3651
716.4017	6	V	14	1500.6818	750.8448
845.4443	7	E	13	1401.6134	701.3106
944.5127	8	V	12	1272.5708	**636.7893**
1001.5342	9	G	11	**1173.5024**	**587.2551**
1098.5869	10	P	10	**1116.4809**	**558.7444**
1227.6295	11	E	9	**1019.4282**	510.2180
1342.6565	12	D	8	**890.3856**	445.6967
1457.6834	13	D	7	**775.3586**	388.1832
1586.7260	14	E	6	**660.3317**	330.6698
1685.7944	15	V	5	**531.2891**	266.1485
1742.8159	16	G	4	**432.2207**	216.6142
1813.8530	17	A	3	**375.1992**	188.1035
1942.8956	18	E	2	**304.1621**	152.5850
	19	R	1	**175.1195**	88.0637

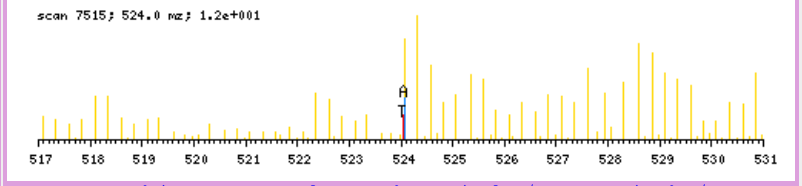
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KATIGADFLTKEVMVDDR, MH+ 2093.1317, m/z 524.0384
L OS G34 P160811 220811-s1.07519.07519.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



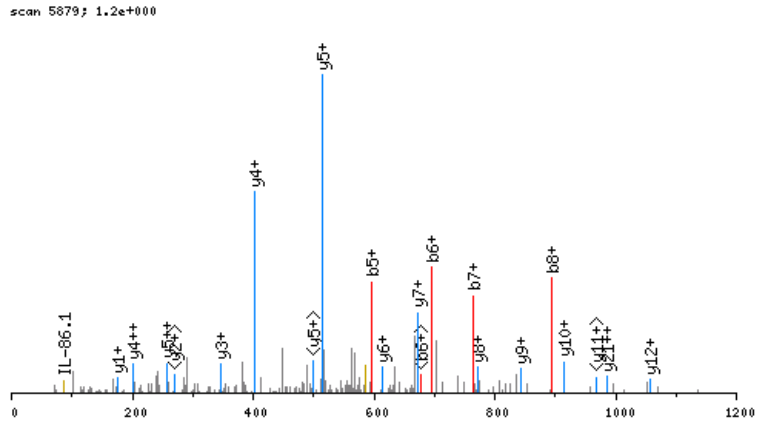
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	18		
256.2025	2	A	17	1908.9741	954.9910
357.2502	3	T	16	1837.9370	919.4724
470.3343	4	I	15	1736.8893	868.9486
527.3557	5	G	14	1623.8053	**812.4065**
598.3928	6	A	13	1566.7838	783.8958
713.4198	7	D	12	1495.7467	**748.3773**
860.4882	8	F	11	1380.7197	**690.8638**
973.5723	9	L	10	1233.6513	**617.3296**
1074.6199	10	T	9	1120.5673	**560.7875**
1230.7462	11	K	8	1019.5196	**510.2637**
1359.7888	12	E	7	**863.3933**	432.2006
1458.8572	13	V	6	734.3507	367.6793
1589.8977	14	M	5	**635.2823**	318.1451
1688.9661	15	V	4	**504.2418**	**252.6248**
1803.9931	16	D	3	**405.1734**	203.0906
1919.0200	17	D	2	**290.1464**	145.5771
	18	R	1	**175.1195**	88.0637

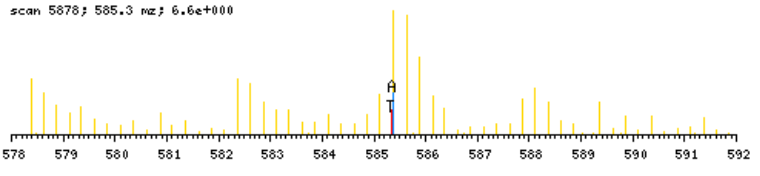
N-term:+29.04 K(1):+156.13
K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KAVLDVAETGTEAAAATGVIGGIR, MH+ 2338.3618, m/z 585.3459
H OS G32 P160811 220811-s1.05879.05879.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



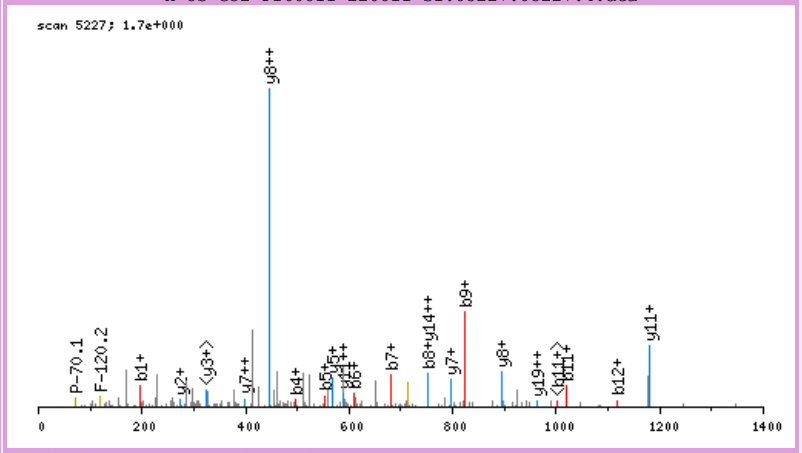
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	24		
268.2661	2	A	23	2142.1406	1071.5742
367.3345	3	V	22	2071.1035	1036.0557
480.4186	4	L	21	1972.0351	**986.5215**
595.4455	5	D	20	1858.9510	929.9794
694.5139	6	V	19	1743.9241	872.4660
765.5511	7	A	18	1644.8557	822.9318
894.5937	8	E	17	1573.8186	787.4132
995.6413	9	T	16	1444.7760	722.8919
1052.6628	10	G	15	1343.7283	672.3681
1153.7105	11	T	14	1286.7068	643.8573
1282.7531	12	E	13	1185.6592	593.3335
1353.7902	13	A	12	**1056.6166**	528.8122
1424.8273	14	A	11	985.5795	493.2936
1495.8644	15	A	10	**914.5423**	457.7751
1566.9015	16	A	9	**843.5052**	422.2565
1667.9492	17	T	8	**772.4681**	386.7380
1724.9707	18	G	7	**671.4204**	336.2141
1824.0391	19	V	6	**614.3990**	307.7034
1937.1231	20	I	5	**515.3306**	**258.1692**
1994.1446	21	G	4	**402.2465**	**201.6272**
2051.1661	22	G	3	**345.2250**	173.1164
2164.2501	23	I	2	288.2036	144.6057
	24	R	1	**175.1195**	88.0637

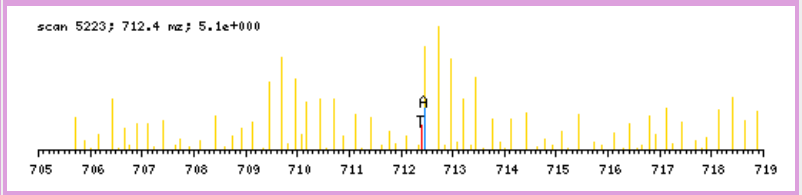
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KAVQGGAAAPVVGAVQPVPGMPPMPQAPR, MH+ 2846.6173, m/z 712.4098
H OS G32 P160811 220811-s1.05227.05227.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



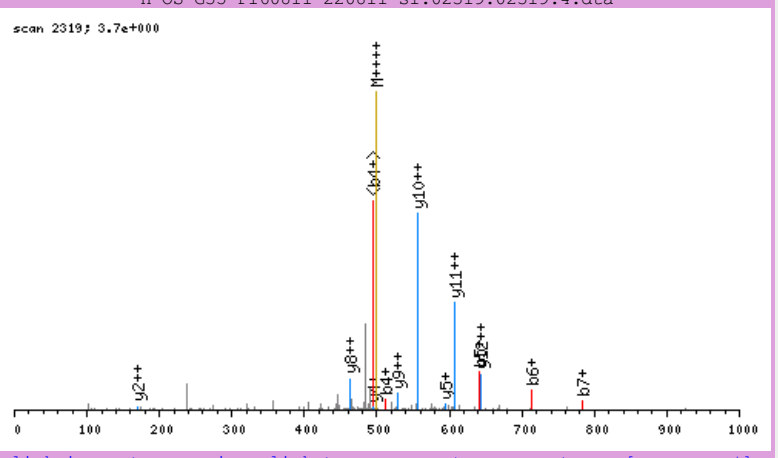
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	**1**	**K**	**29**		
268.2661	**2**	**A**	**28**	2650.3962	1325.7020
367.3345	**3**	**V**	**27**	2579.3590	1290.1834
495.3931	**4**	**Q**	**26**	2480.2906	1240.6492
552.4146	**5**	**G**	**25**	2352.2321	1176.6199
609.4360	**6**	**G**	**24**	2295.2106	1148.1092
680.4731	**7**	**A**	**23**	2238.1891	1119.5985
751.5103	**8**	**A**	**22**	2167.1520	1084.0799
822.5474	**9**	**A**	**21**	2096.1149	1048.5614
919.6001	**10**	**P**	**20**	2025.0778	1013.0428
1018.6686	**11**	**V**	**19**	1928.0250	**964.5164**
1117.7370	**12**	**V**	**18**	1828.9566	914.9822
1174.7584	**13**	**G**	**17**	1729.8882	865.4480
1245.7955	**14**	**A**	**16**	1672.8667	836.9373
1344.8640	**15**	**V**	**15**	1601.8296	801.4187
1472.9225	**16**	**Q**	**14**	1502.7612	**751.8845**
1569.9753	**17**	**P**	**13**	1374.7026	687.8552
1669.0437	**18**	**V**	**12**	1277.6499	639.3288
1766.0965	**19**	**P**	**11**	**1178.5814**	**589.7946**
1823.1179	**20**	**G**	**10**	1081.5287	541.2683
1954.1584	**21**	**M**	**9**	1024.5072	512.7575
2051.2112	**22**	**P**	**8**	**893.4667**	**447.2373**
2148.2640	**23**	**P**	**7**	**796.4140**	**398.7109**
2279.3044	**24**	**M**	**6**	699.3612	350.1845
2376.3572	**25**	**P**	**5**	**568.3207**	284.6643
2504.4158	**26**	**Q**	**4**	471.2680	236.1379
2575.4529	**27**	**A**	**3**	343.2094	172.1086
2672.5057	**28**	**P**	**2**	**272.1723**	136.5900
	29	**R**	**1**	175.1195	88.0637

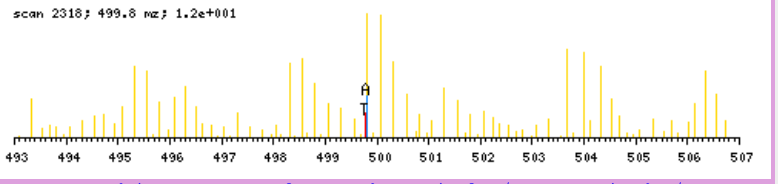
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KDAEEAATGECTATVGKR, MH+ 1996.0869, m/z 499.7772
H OS G35 P160811 220811-s1.02319.02319.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



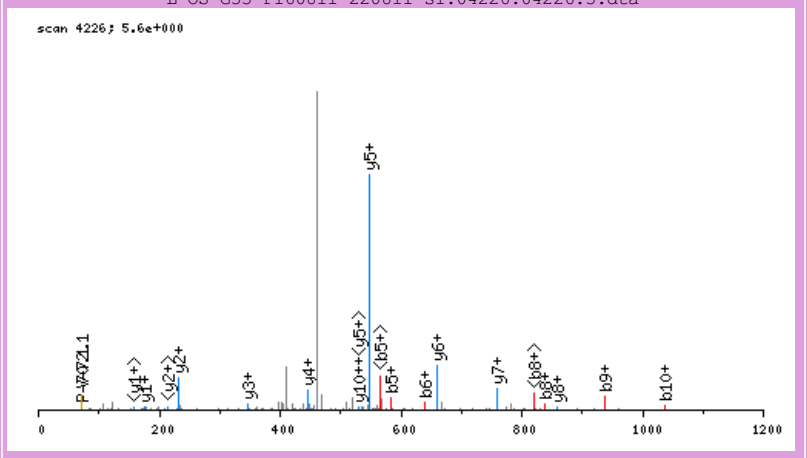
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	18		
312.2559	2	D	17	1799.8658	900.4368
383.2931	3	A	16	1684.8388	842.9233
512.3357	4	E	15	1613.8017	807.4048
641.3782	5	E	14	1484.7591	742.8835
712.4154	6	A	13	1355.7165	678.3622
783.4525	7	A	12	1284.6794	**642.8436**
884.5001	8	T	11	1213.6423	**607.3251**
941.5216	9	G	10	1112.5946	**556.8012**
1070.5642	10	E	9	1055.5731	**528.2905**
1230.5948	11	C	8	926.5305	**463.7692**
1331.6425	12	T	7	766.4999	383.7539
1402.6796	13	A	6	665.4523	333.2300
1503.7273	14	T	5	**594.4152**	297.7115
1602.7957	15	V	4	**493.3675**	247.1877
1659.8172	16	G	3	394.2991	197.6534
1821.9753	17	K	2	337.2776	**169.1427**
	18	R	1	175.1195	88.0637

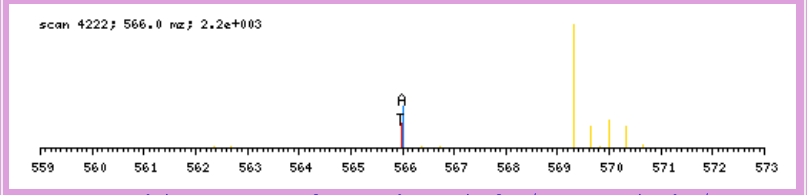
N-term:+35.07 K(1):+162.16
C(11):+160.03 K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDAPDGPTVVLTVDGR, MH+ 1695.9281, m/z 565.9809
L OS G33 P160811 220811-s1.04226.04226.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



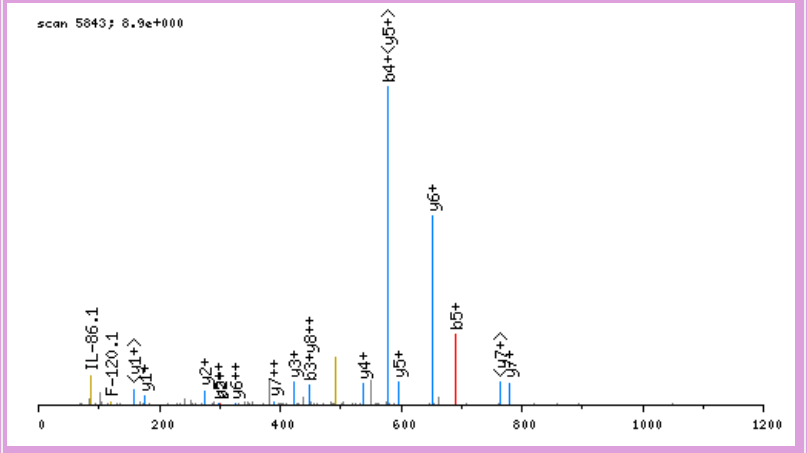
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
300.1923	2	D	15	1511.7706	756.3892
371.2295	3	A	14	1396.7436	698.8757
468.2822	4	P	13	1325.7065	663.3572
583.3092	5	D	12	1228.6537	614.8308
640.3306	6	G	11	1113.6268	557.3173
737.3834	7	P	10	1056.6053	**528.8066**
838.4311	8	T	9	959.5526	480.2802
937.4995	9	V	8	**858.5049**	429.7564
1036.5679	10	V	7	**759.4365**	380.2222
1149.6520	11	L	6	**660.3681**	330.6879
1250.6996	12	T	5	**547.2840**	274.1459
1349.7681	13	V	4	**446.2363**	223.6221
1464.7950	14	D	3	**347.1679**	174.0879
1521.8165	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

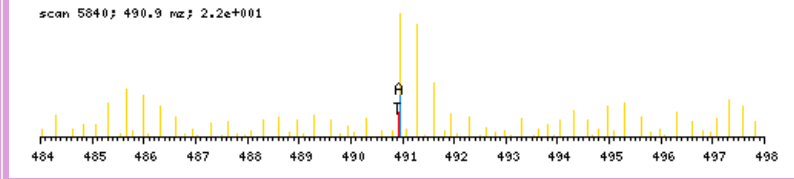
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDFMIQGGDFTR, MH+ 1470.7415, m/z 490.9187
L OS G34 P160811 220811-s1.05843.05843.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



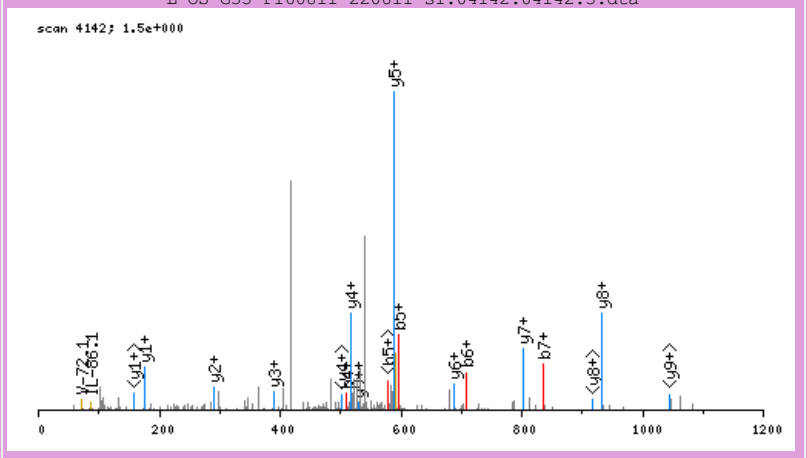
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	12		
300.1923	2	D	11	1286.5839	643.7959
447.2608	3	F	10	1171.5570	586.2824
578.3012	4	M	9	1024.4886	512.7482
691.3853	5	I	8	893.4481	447.2280
819.4439	6	Q	7	780.3640	390.6859
876.4653	7	G	6	652.3055	326.6566
933.4868	8	G	5	595.2840	298.1459
1048.5138	9	D	4	538.2625	269.6352
1195.5822	10	F	3	423.2356	212.1217
1296.6298	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

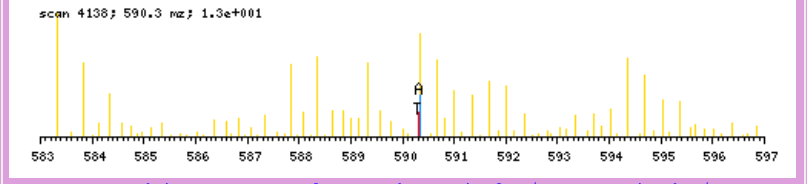
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDHASIQMNVAEVDR, MH+ 1768.9016, m/z 590.3054
L OS G35 P160811 220811-s1.04142.04142.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



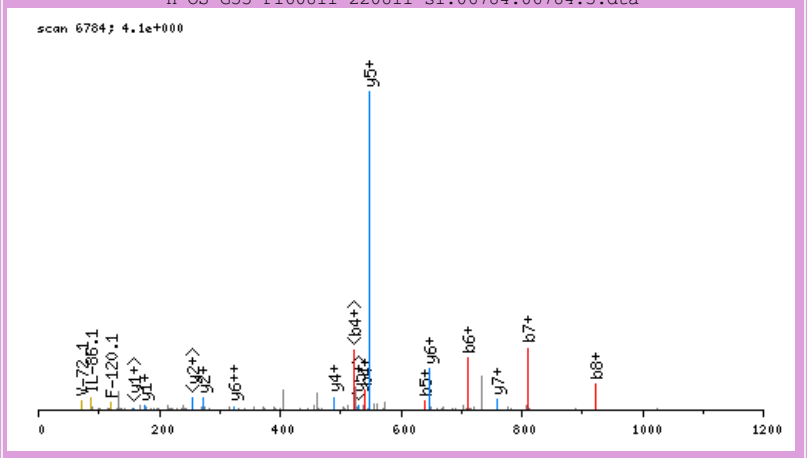
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
300.1923	2	D	14	1584.7440	792.8759
437.2513	3	H	13	1469.7171	735.3625
508.2884	4	A	12	1332.6582	666.8330
595.3204	5	S	11	1261.6211	631.3144
708.4045	6	I	10	1174.5890	587.7984
836.4630	7	Q	9	1061.5050	**531.2564**
967.5035	8	M	8	**933.4464**	467.2271
1081.5465	9	N	7	**802.4059**	401.7069
1180.6149	10	V	6	**688.3630**	344.6854
1251.6520	11	A	5	**589.2946**	295.1512
1380.6946	12	E	4	**518.2575**	259.6326
1479.7630	13	V	3	**389.2149**	195.1113
1594.7899	14	D	2	**290.1464**	145.5771
	15	R	1	**175.1195**	88.0637

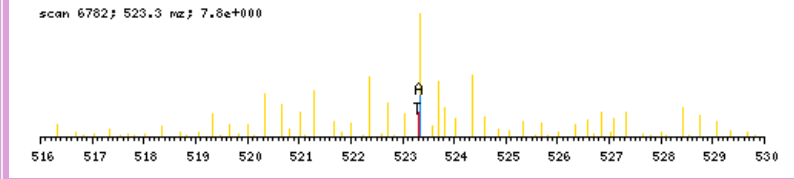
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDLDVAVLVGSMPR, MH+ 1567.9518, m/z 523.3221
H_OS_G33_P160811_220811-s1.06784.06784.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



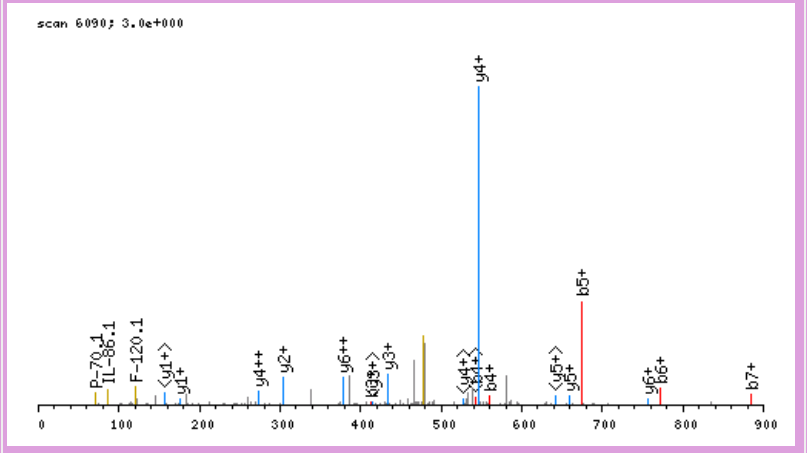
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
312.2559	2	D	13	1371.7306	686.3692
425.3400	3	L	12	1256.7037	628.8557
540.3670	4	D	11	1143.6196	572.3137
639.4354	5	V	10	1028.5927	514.8002
710.4725	6	A	9	929.5242	465.2660
809.5409	7	V	8	858.4871	429.7475
922.6250	8	L	7	**759.4187**	380.2133
1021.6934	9	V	6	**646.3347**	**323.6712**
1078.7148	10	G	5	**547.2662**	274.1370
1165.7469	11	S	4	**490.2448**	245.6263
1296.7873	12	M	3	403.2127	202.1103
1393.8401	13	P	2	**272.1723**	136.5900
	14	R	1	**175.1195**	88.0637

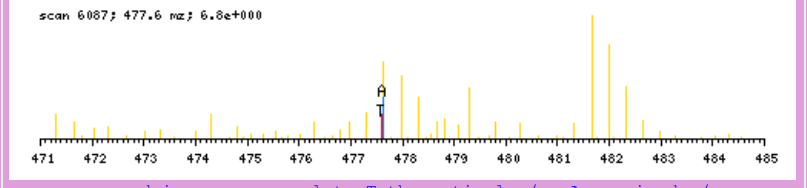
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDLFDPIIEER, MH+ 1430.7895, m/z 477.6014
L OS G33 P160811 220811-s1.06090.06090.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



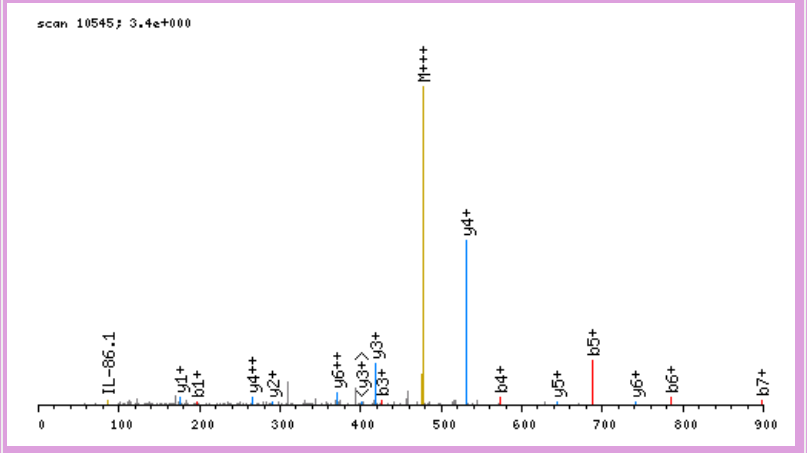
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	11		
300.1923	2	D	10	1246.6319	623.8199
413.2764	3	L	9	1131.6050	566.3064
560.3448	4	F	8	1018.5209	509.7644
675.3718	5	D	7	871.4525	436.2302
772.4245	6	P	6	**756.4256**	**378.7167**
885.5086	7	I	5	**659.3728**	330.1903
998.5927	8	I	4	**546.2888**	**273.6483**
1127.6352	9	E	3	**433.2047**	217.1063
1256.6778	10	E	2	**304.1621**	152.5850
	11	R	1	**175.1195**	88.0637

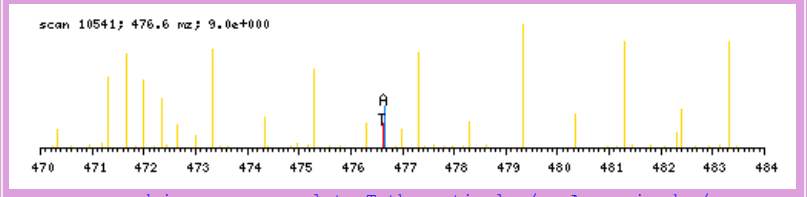
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDLFDPIIQDR, MH+ 1427.8535, m/z 476.6227
H OS G34 P160811 220811-s1.10545.10545.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

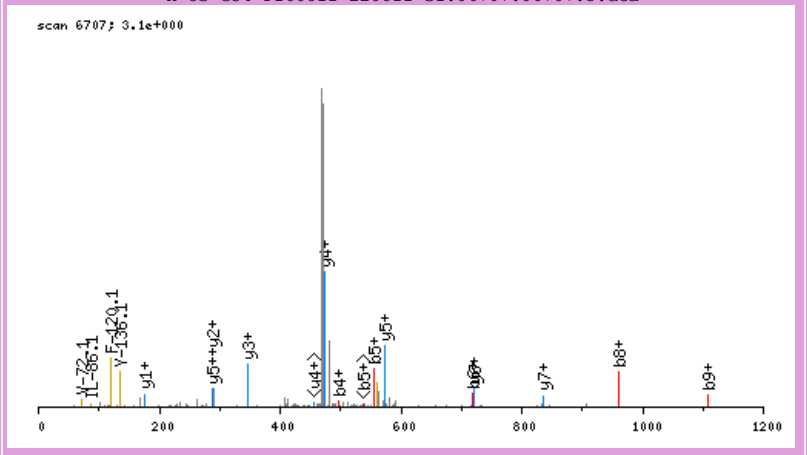


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

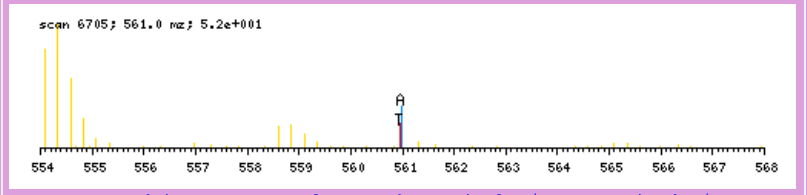
b^+	#	AA	#	y^+	y^{2+}
197.2290	**1**	**K**	**11**		
312.2559	**2**	**D**	**10**	1231.6323	616.3201
425.3400	**3**	**L**	**9**	1116.6053	558.8066
572.4084	**4**	**F**	**8**	1003.5213	502.2645
687.4354	**5**	**D**	**7**	856.4529	428.7303
784.4881	**6**	**P**	**6**	**741.4259**	**371.2169**
897.5722	**7**	**I**	**5**	**644.3731**	322.6905
1010.6563	**8**	**I**	**4**	**531.2891**	**266.1485**
1138.7148	**9**	**Q**	**3**	**418.2050**	209.6064
1253.7418	**10**	**D**	**2**	**290.1464**	145.5771
	11	**R**	**1**	**175.1195**	88.0637

N-term:+35.07 K(1):+162.16

KDQGGYEDFVEGLR, MH+ 1680.8869, m/z 560.9672
H OS G34 P160811 220811-s1.06707.06707.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

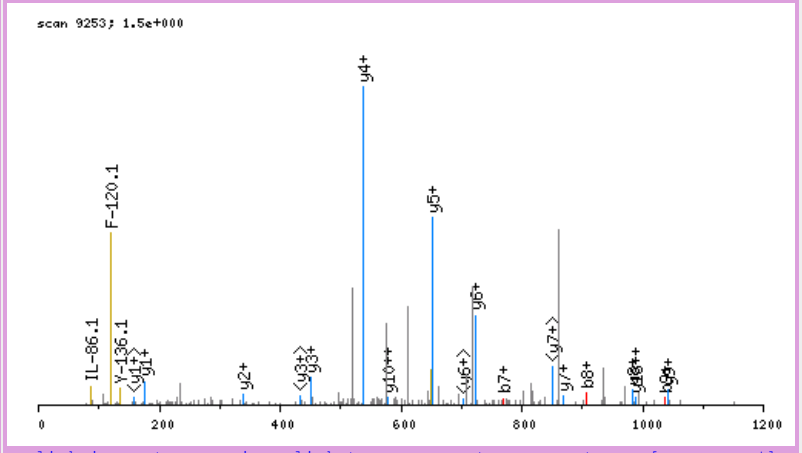
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
312.2559	2	D	13	1484.6658	742.8368
440.3145	3	Q	12	1369.6388	685.3233
497.3360	4	G	11	1241.5802	621.2940
554.3574	5	G	10	1184.5588	592.7833
717.4208	6	Y	9	1127.5373	564.2726
846.4634	7	E	8	964.4740	482.7409
961.4903	8	D	7	**835.4314**	418.2196
1108.5587	9	F	6	**720.4044**	360.7061
1207.6271	10	V	5	**573.3360**	**287.1719**
1336.6697	11	E	4	**474.2676**	237.6377
1393.6912	12	G	3	**345.2250**	173.1164
1506.7753	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

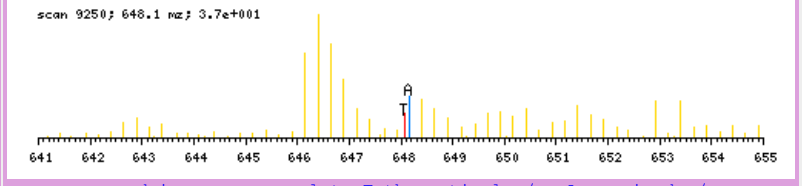
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KDQSPASHEIATNLGDFAISLYR, MH+ 2589.3313, m/z 648.0883
L OS G34 P160811 220811-s1.09253.09253.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



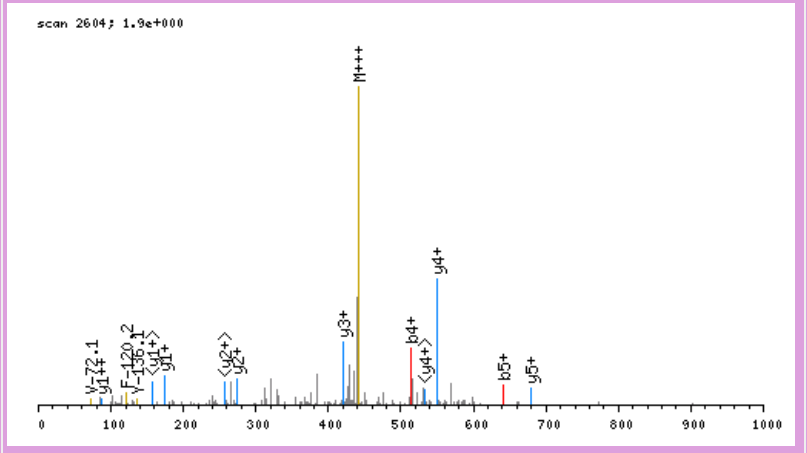
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	23		
300.1923	2	D	22	2405.1737	1203.0908
428.2509	3	Q	21	2290.1468	1145.5773
515.2829	4	S	20	2162.0882	1081.5480
612.3357	5	P	19	2075.0562	1038.0320
683.3728	6	A	18	1978.0034	**989.5056**
770.4049	7	S	17	1906.9663	953.9871
907.4638	8	H	16	1819.9343	910.4710
1036.5064	9	E	15	1682.8754	841.9416
1149.5904	10	I	14	1553.8328	777.4203
1220.6275	11	A	13	1440.7487	720.8783
1321.6752	12	T	12	1369.7116	685.3597
1435.7181	13	N	11	1268.6639	634.8359
1548.8022	14	L	10	1154.6210	**577.8144**
1605.8237	15	G	9	**1041.5369**	521.2724
1720.8506	16	D	8	**984.5155**	492.7616
1867.9190	17	F	7	**869.4885**	435.2482
1938.9561	18	A	6	**722.4201**	361.7140
2052.0402	19	I	5	**651.3830**	326.1954
2139.0722	20	S	4	**538.2989**	269.6534
2252.1563	21	L	3	**451.2669**	226.1374
2415.2196	22	Y	2	**338.1828**	169.5953
	23	R	1	**175.1195**	88.0637

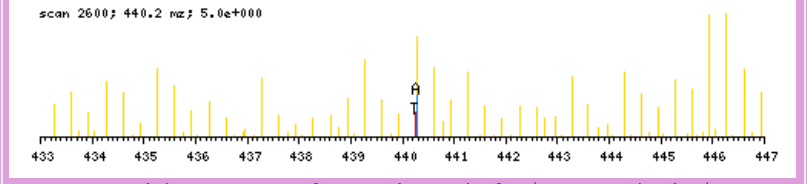
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KDVNQQEFVR, MH+ 1318.7119, m/z 440.2422
L OS G34 P160811 220811-s1.02604.02604.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



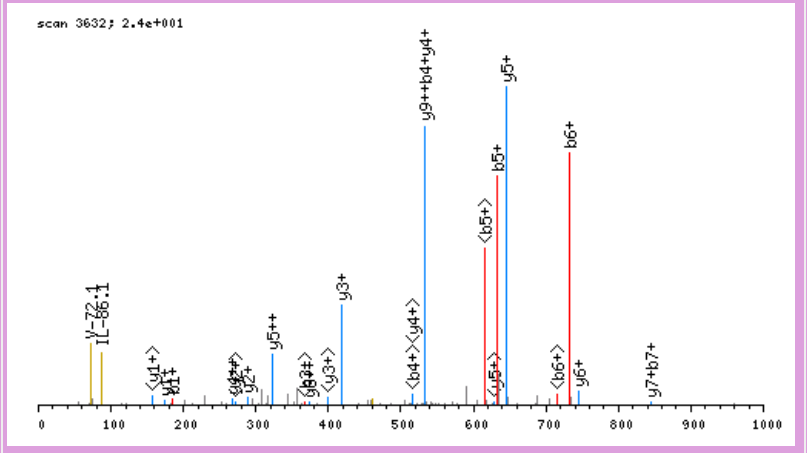
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	10		
300.1923	2	D	9	1134.5544	567.7811
399.2608	3	V	8	1019.5274	510.2676
513.3037	4	N	7	920.4590	460.7334
641.3623	5	Q	6	806.4161	403.7120
769.4208	6	Q	5	**678.3575**	339.6827
898.4634	7	E	4	**550.2989**	275.6534
1045.5318	8	F	3	**421.2563**	211.1321
1144.6003	9	V	2	**274.1879**	137.5979
	10	R	1	**175.1195**	**88.0637**

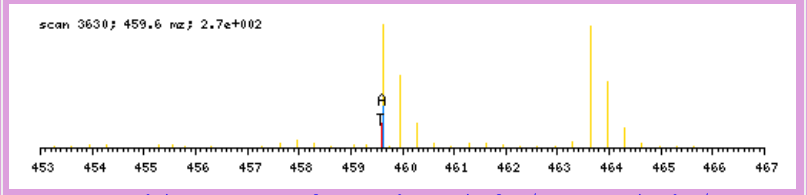
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEAFTVIDQNR, MH+ 1376.7538, m/z 459.5895
L OS G34 P160811 220811-s1.03632.03632.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



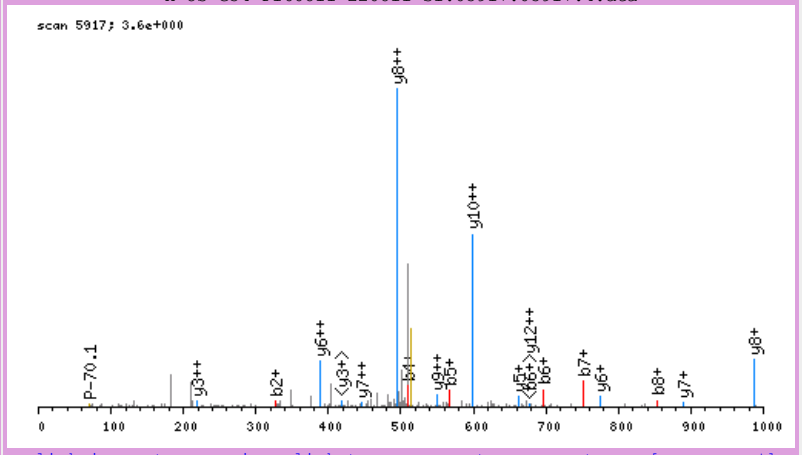
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	**1**	**K**	**11**		
314.2080	**2**	**E**	**10**	1192.5962	596.8020
385.2451	**3**	**A**	**9**	1063.5536	**532.2807**
532.3135	**4**	**F**	**8**	992.5165	496.7622
633.3612	**5**	**T**	**7**	**845.4481**	423.2280
732.4296	**6**	**V**	**6**	**744.4004**	**372.7041**
845.5137	**7**	**I**	**5**	**645.3320**	**323.1699**
960.5406	**8**	**D**	**4**	**532.2479**	**266.6279**
1088.5992	**9**	**Q**	**3**	**417.2210**	209.1144
1202.6421	**10**	**N**	**2**	**289.1624**	145.0851
	11	**R**	**1**	**175.1195**	88.0637

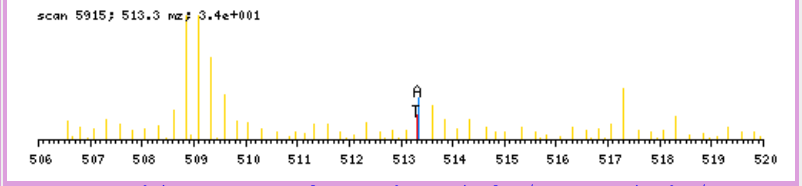
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEAIGQGTPIPDLPEVKR, MH+ 2050.2761, m/z 513.3245
H OS G34 P160811 220811-s1.05917.05917.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

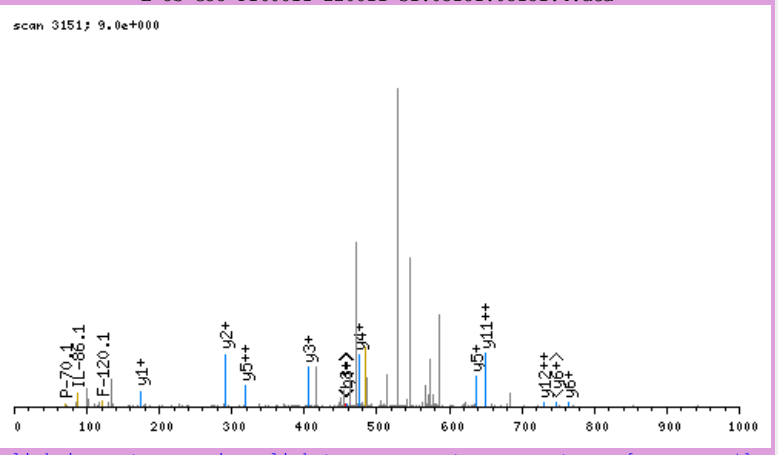


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

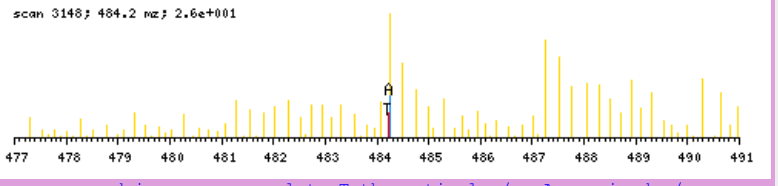
b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	18		
326.2716	2	E	17	1854.0549	927.5314
397.3087	3	A	16	1725.0123	863.0101
510.3928	4	I	15	1653.9752	827.4915
567.4142	5	G	14	1540.8912	770.9495
695.4728	6	Q	13	1483.8697	742.4388
752.4943	7	G	12	1355.8111	**678.4095**
853.5420	8	T	11	1298.7896	649.8987
950.5947	9	P	10	1197.7420	**599.3749**
1063.6788	10	I	9	1100.6892	**550.8485**
1160.7315	11	P	8	**987.6051**	**494.3065**
1275.7585	12	D	7	**890.5524**	**445.7801**
1388.8426	13	L	6	**775.5254**	**388.2666**
1485.8953	14	P	5	**662.4414**	331.7246
1614.9379	15	E	4	565.3886	283.1982
1714.0063	16	V	3	436.3460	**218.6769**
1876.1644	17	K	2	337.2776	169.1427
	18	R	1	175.1195	88.0637

N-term:+35.07 K(1):+162.16
K(17):+162.16

KECCHGDLLECADDR, MH+ 1933.8205, m/z 484.2106
L OS G35 P160811 220811-s1.03151.03151.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

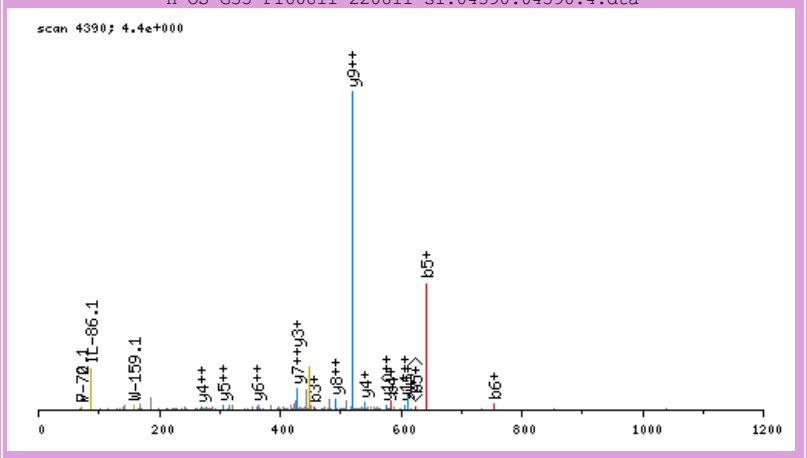
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
314.2080	2	E	14	1749.6629	875.3354
474.2386	3	C	13	1620.6203	810.8141
634.2692	4	C	12	1460.5897	**730.7988**
771.3281	5	H	11	1300.5591	**650.7835**
828.3496	6	G	10	1163.5002	582.2540
943.3765	7	D	9	1106.4788	553.7433
1056.4606	8	L	8	991.4518	496.2298
1169.5446	9	L	7	878.3678	439.6878
1298.5872	10	E	6	**765.2837**	383.1458
1458.6178	11	C	5	**636.2411**	**318.6245**
1529.6549	12	A	4	**476.2105**	238.6092
1644.6819	13	D	3	**405.1734**	203.0906
1759.7088	14	D	2	**290.1464**	145.5771
	15	R	1	**175.1195**	88.0637

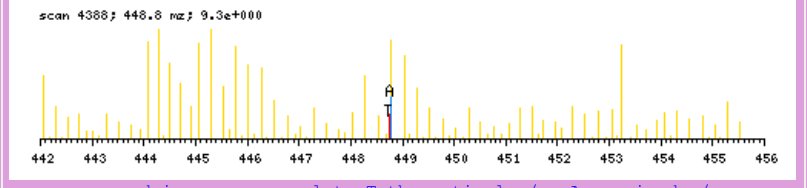
N-term:+29.04 K(1):+156.13
C(3):+160.03 C(4):+160.03
C(11):+160.03

KEEEGIGEELAIHNR, MH+ 1791.9877, m/z 448.7524
H OS G35 P160811 220811-s1.04390.04390.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



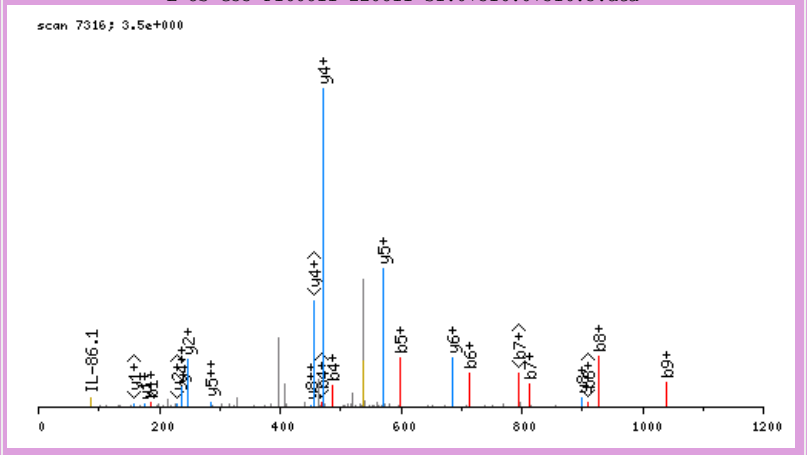
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
326.2716	2	E	14	1595.7665	798.3872
455.3142	3	E	13	1466.7239	733.8659
584.3568	4	E	12	1337.6814	669.3446
641.3782	5	G	11	1208.6388	**604.8233**
754.4623	6	I	10	1151.6173	**576.3126**
811.4838	7	G	9	1038.5332	**519.7705**
940.5264	8	E	8	981.5118	**491.2598**
1069.5690	9	E	7	852.4692	**426.7385**
1182.6530	10	L	6	723.4266	**362.2172**
1253.6901	11	A	5	**610.3425**	**305.6752**
1366.7742	12	I	4	**539.3054**	**270.1566**
1503.8331	13	H	3	**426.2213**	213.6146
1617.8760	14	N	2	289.1624	145.0851
	15	R	1	175.1195	88.0637

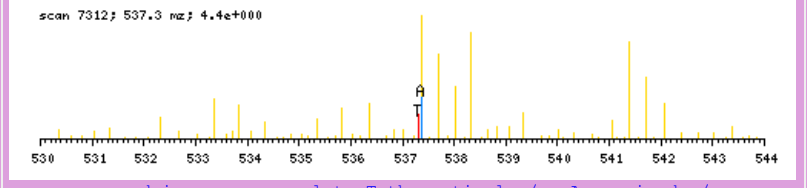
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEGDLITLLVPEAR, MH+ 1609.9529, m/z 537.3225
L OS G33 P160811 220811-s1.07316.07316.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



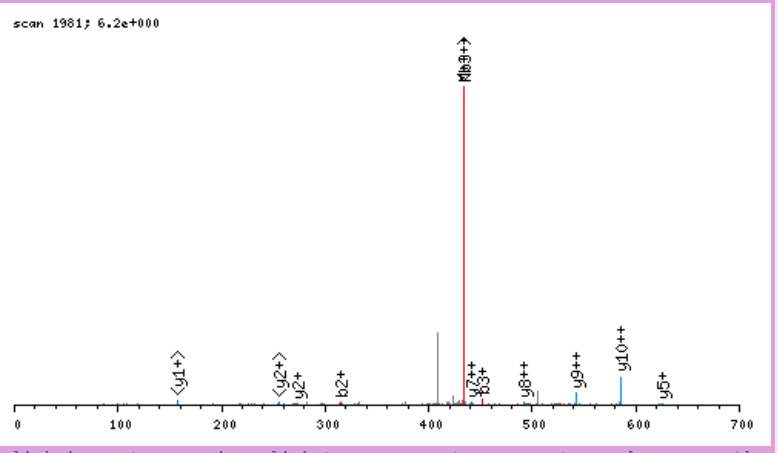
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
314.2080	2	E	13	1425.7953	713.4016
371.2295	3	G	12	1296.7527	648.8803
486.2564	4	D	11	1239.7313	620.3695
599.3405	5	L	10	1124.7043	562.8561
712.4245	6	I	9	1011.6203	506.3140
813.4722	7	T	8	898.5362	449.7720
926.5563	8	L	7	797.4885	399.2482
1039.6403	9	L	6	684.4044	342.7061
1138.7087	10	V	5	571.3204	286.1641
1235.7615	11	P	4	472.2520	236.6299
1364.8041	12	E	3	375.1992	188.1035
1435.8412	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

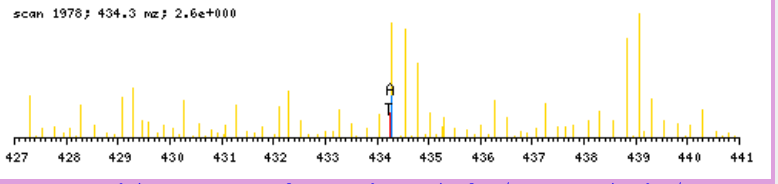
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KEHISTTKVPEQPR, MH+ 1733.9914, m/z 434.2533
L OS G35 P160811 220811-s1.01981.01981.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



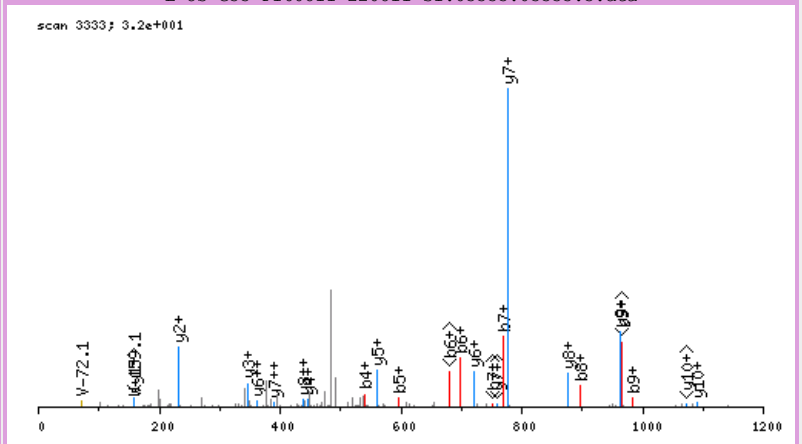
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
314.2080	2	E	13	1549.8339	775.4208
451.2669	3	H	12	1420.7913	710.8995
564.3510	4	I	11	1283.7324	642.3701
651.3830	5	S	10	1170.6483	**585.8281**
752.4307	6	T	9	1083.6163	**542.3120**
853.4784	7	T	8	982.5686	**491.7882**
1009.6047	8	K	7	881.5209	**441.2644**
1108.6731	9	V	6	725.3946	363.2012
1205.7258	10	P	5	**626.3262**	313.6670
1334.7684	11	E	4	529.2734	265.1406
1462.8270	12	Q	3	400.2308	200.6193
1559.8798	13	P	2	**272.1723**	136.5900
	14	R	1	175.1195	88.0637

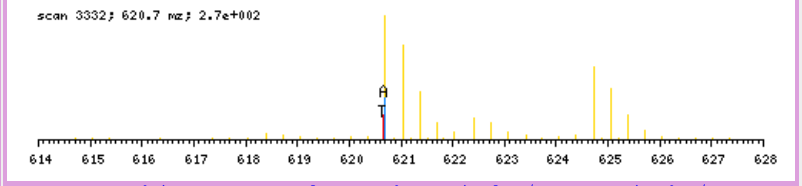
N-term:+29.04 K(1):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEILGTAQSVGCNVDGR, MH+ 1859.9649, m/z 620.6598
L OS G33 P160811 220811-s1.03333.03333.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



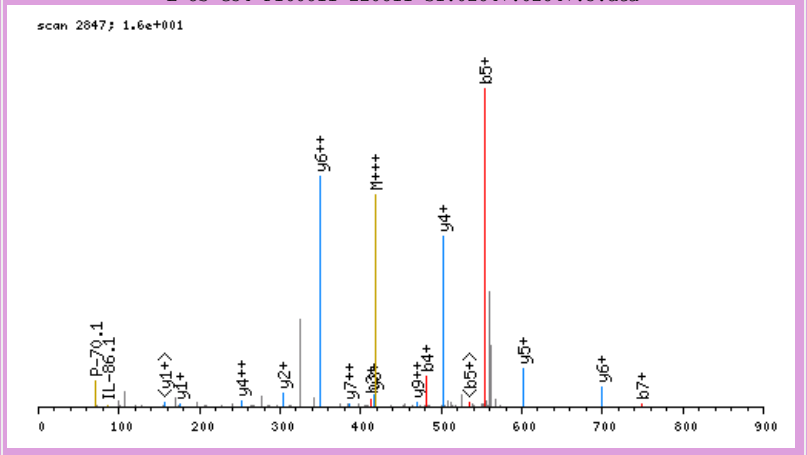
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
314.2080	2	E	16	1675.8073	838.4076
427.2921	3	I	15	1546.7647	773.8863
540.3761	4	L	14	1433.6807	717.3442
597.3976	5	G	13	1320.5966	660.8022
698.4453	6	T	12	1263.5751	632.2915
769.4824	7	A	11	1162.5274	581.7676
897.5410	8	Q	10	**1091.4903**	546.2491
984.5730	9	S	9	**963.4318**	482.2198
1083.6414	10	V	8	**876.3997**	**438.7038**
1140.6629	11	G	7	**777.3313**	**389.1696**
1300.6935	12	C	6	**720.3098**	**360.6588**
1414.7364	13	N	5	**560.2792**	280.6435
1513.8048	14	V	4	**446.2363**	223.6221
1628.8317	15	D	3	**347.1679**	174.0879
1685.8532	16	G	2	**232.1410**	116.5744
	17	R	1	175.1195	88.0637

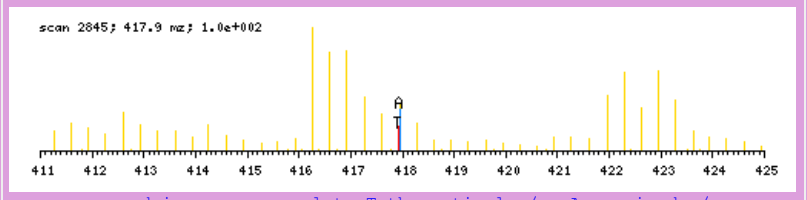
N-term:+29.04 K(1):+156.13
C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEPAAPVSIQR, MH+ 1251.7425, m/z 417.9190
L OS G34 P160811 220811-s1.02847.02847.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



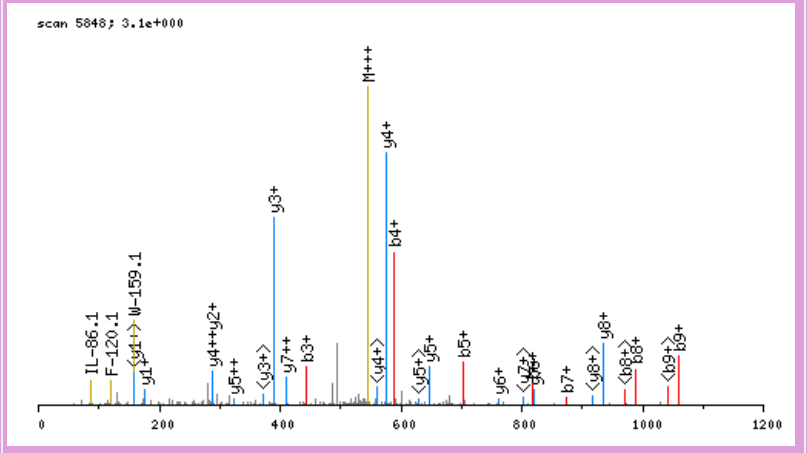
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	11		
314.2080	2	E	10	1067.5849	534.2964
411.2608	3	P	9	938.5423	**469.7751**
482.2979	4	A	8	841.4896	421.2487
553.3350	5	A	7	770.4525	**385.7301**
650.3877	6	P	6	**699.4153**	**350.2116**
749.4562	7	V	5	**602.3626**	301.6852
836.4882	8	S	4	**503.2942**	**252.1510**
949.5723	9	I	3	**416.2621**	208.6350
1077.6308	10	Q	2	**303.1781**	152.0930
	11	R	1	**175.1195**	88.0637

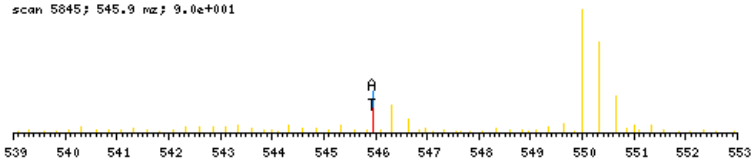
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEQFLDGDAWTNR, MH+ 1635.8131, m/z 545.9426
L OS G34 P160811 220811-s1.05848.05848.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



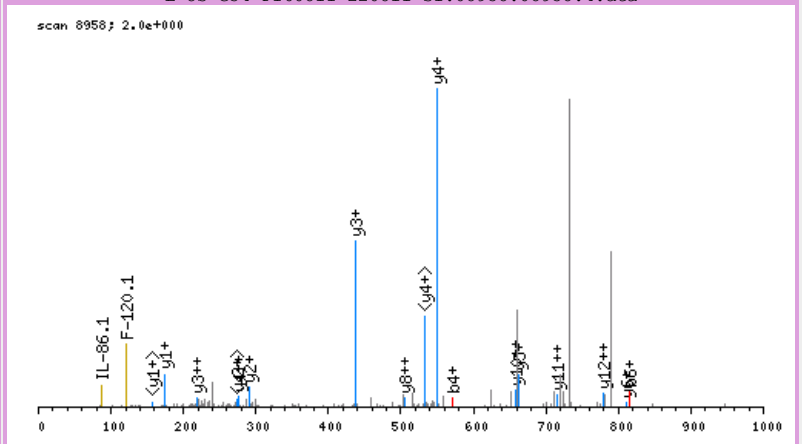
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	13		
314.2080	2	E	12	1451.6555	726.3317
442.2666	3	Q	11	1322.6129	661.8104
589.3350	4	F	10	1194.5544	597.7811
702.4190	5	L	9	1047.4859	524.2469
817.4460	6	D	8	**934.4019**	467.7049
874.4675	7	G	7	**819.3749**	**410.1914**
989.4944	8	D	6	**762.3535**	381.6807
1060.5315	9	A	5	**647.3265**	**324.1672**
1246.6108	10	W	4	**576.2894**	**288.6486**
1347.6585	11	T	3	**390.2101**	195.6090
1461.7014	12	N	2	**289.1624**	145.0851
	13	R	1	**175.1195**	88.0637

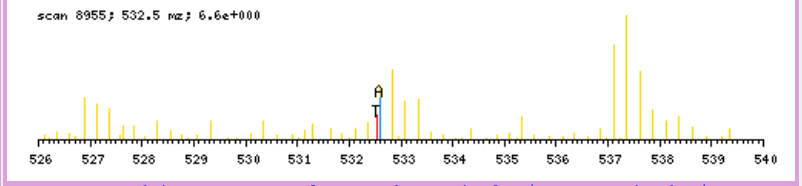
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KEQQEDFKEAFLLFDR, MH+ 2127.1127, m/z 532.5336
L OS G34 P160811 220811-s1.08958.08958.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



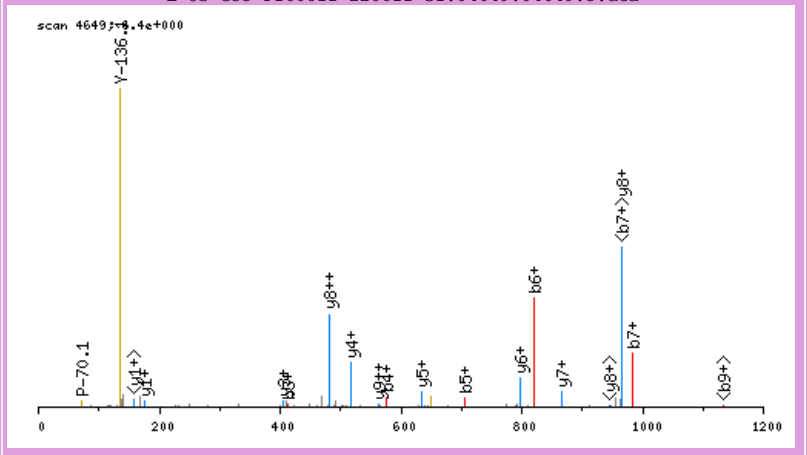
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
314.2080	2	E	15	1942.9551	971.9815
442.2666	3	Q	14	1813.9125	907.4602
570.3251	4	Q	13	1685.8539	843.4309
699.3677	5	E	12	1557.7954	**779.4016**
814.3947	6	D	11	1428.7528	**714.8803**
961.4631	7	F	10	1313.7258	**657.3668**
1117.5894	8	K	9	1166.6574	583.8326
1246.6320	9	E	8	1010.5311	**505.7695**
1317.6691	10	A	7	881.4885	441.2482
1464.7375	11	F	6	**810.4514**	405.7296
1577.8216	12	L	5	**663.3830**	332.1954
1690.9056	13	L	4	**550.2989**	**275.6534**
1837.9741	14	F	3	**437.2149**	**219.1113**
1953.0010	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

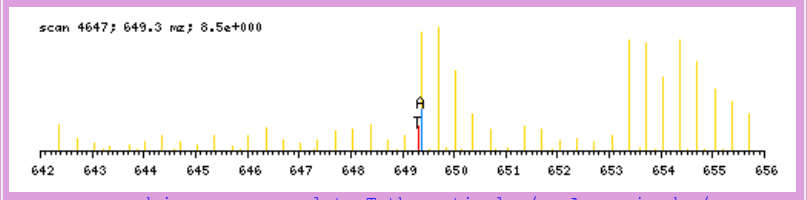
N-term:+29.04 K(1):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KEVYENYPAYDLTER, MH+ 1945.9547, m/z 649.3231
L OS G33 P160811 220811-s1.04649.04649.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

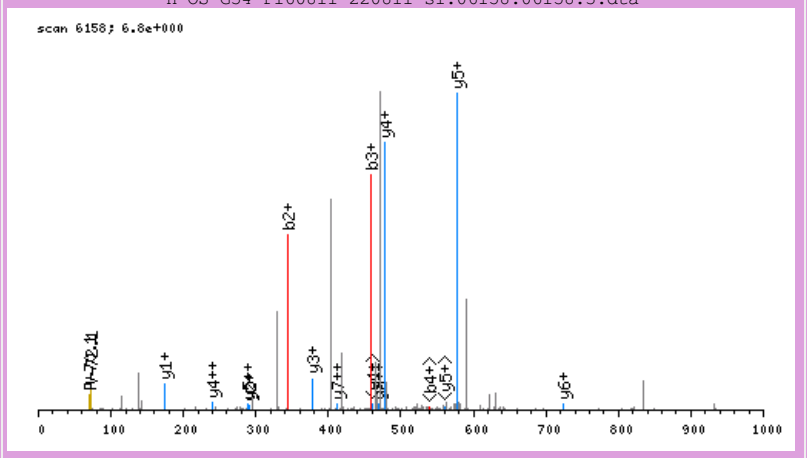


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

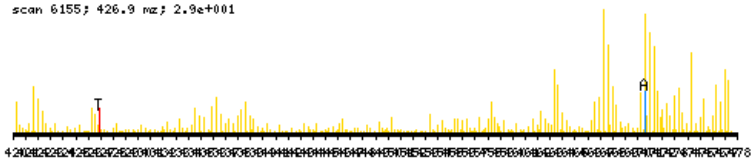
b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
314.2080	2	E	14	1761.7972	881.4025
413.2764	3	V	13	1632.7546	816.8812
576.3397	4	Y	12	1533.6862	767.3470
705.3823	5	E	11	1370.6228	685.8153
819.4253	6	N	10	1241.5802	621.2940
982.4886	7	Y	9	1127.5373	**564.2726**
1079.5413	8	P	8	**964.4740**	**482.7409**
1150.5785	9	A	7	**867.4212**	434.2145
1313.6418	10	Y	6	**796.3841**	398.6960
1428.6687	11	D	5	**633.3208**	317.1643
1541.7528	12	L	4	**518.2938**	259.6508
1642.8005	13	T	3	**405.2098**	203.1088
1771.8431	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

N-term:+29.04 K(1):+156.13

KFNPFVTSDR, MH+ 1278.7483, m/z 426.9209
H_OS_G34_P160811_220811-s1.06158.06158.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

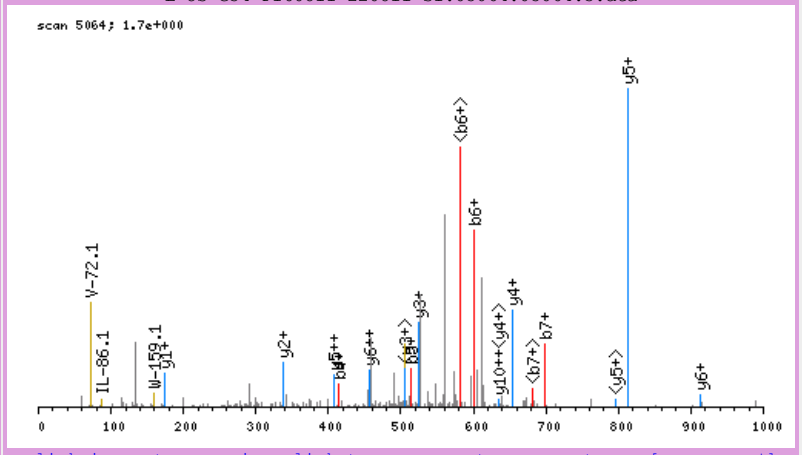
b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	10		
344.2974	2	F	9	1082.5271	541.7675
458.3403	3	N	8	935.4587	468.2332
555.3931	4	P	7	821.4157	411.2118
702.4615	5	F	6	724.3630	362.6854
801.5299	6	V	5	577.2946	289.1512
902.5776	7	T	4	478.2262	239.6170
989.6096	8	S	3	377.1785	189.0931
1104.6366	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

N-term:+35.07 K(1):+162.16

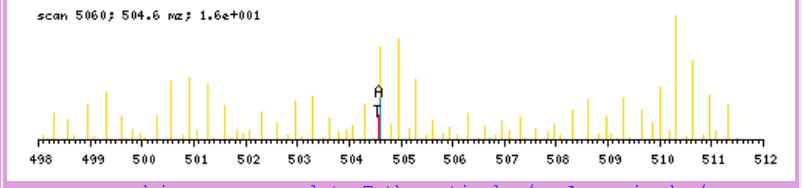
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KGGDVSVCEWYR, MH+ 1511.7316, m/z 504.5821
L OS G34 P160811 220811-s1.05064.05064.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



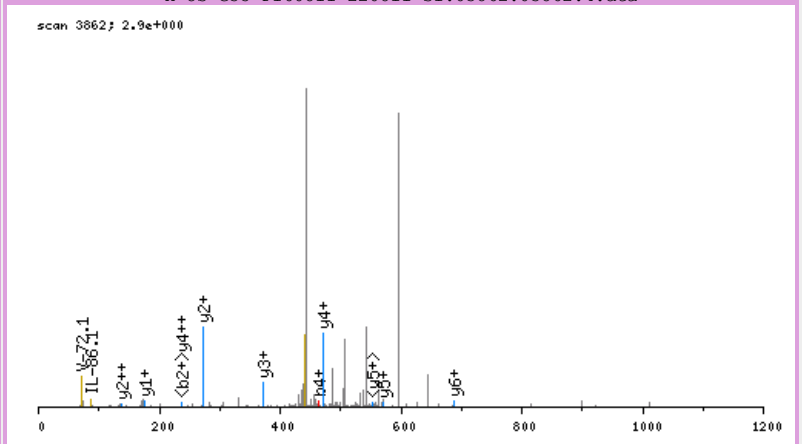
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	12		
242.1869	2	G	11	1327.5741	664.2909
299.2083	3	G	10	1270.5526	**635.7802**
414.2353	4	D	9	1213.5311	607.2695
513.3037	5	V	8	1098.5042	549.7560
600.3357	6	S	7	999.4358	500.2218
699.4041	7	V	6	**912.4037**	**456.7058**
859.4347	8	C	5	**813.3353**	**407.1716**
988.4773	9	E	4	**653.3047**	327.1563
1174.5566	10	W	3	**524.2621**	262.6350
1337.6200	11	Y	2	**338.1828**	169.5953
	12	R	1	**175.1195**	88.0637

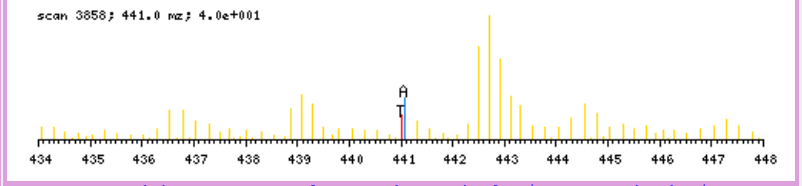
N-term:+29.04 K(1):+156.13
C(8):+160.03

KGPNVKGEYDVTVPR, MH+ 1761.0759, m/z 441.0244
H OS G35 P160811 220811-s1.03862.03862.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



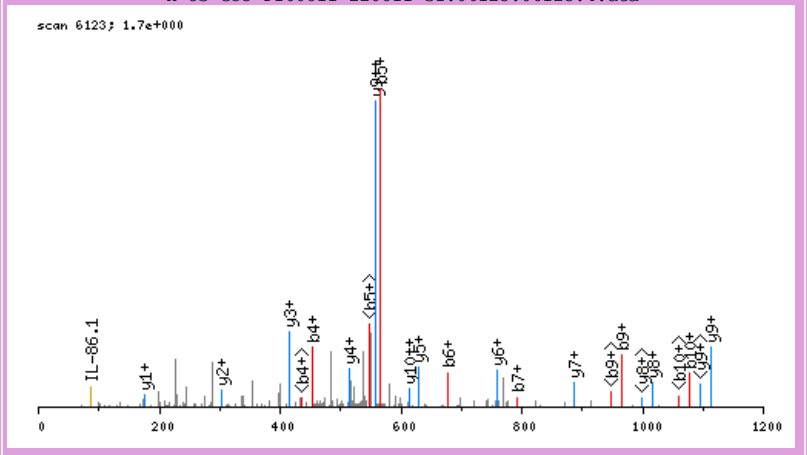
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
254.2505	2	G	14	1564.8548	782.9313
351.3032	3	P	13	1507.8333	754.4206
465.3462	4	N	12	1410.7805	705.8942
564.4146	5	V	11	1296.7376	648.8727
726.5727	6	K	10	1197.6692	599.3385
783.5941	7	G	9	1035.5111	518.2595
912.6367	8	E	8	978.4896	489.7487
1075.7001	9	Y	7	849.4470	425.2274
1190.7270	10	D	6	**686.3837**	343.6958
1289.7954	11	V	5	**571.3568**	286.1823
1390.8431	12	T	4	**472.2884**	**236.6481**
1489.9115	13	V	3	**371.2407**	186.1243
1586.9643	14	P	2	**272.1723**	**136.5900**
	15	R	1	**175.1195**	88.0637

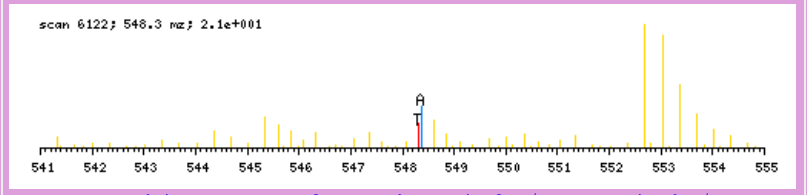
N-term:+35.07 K(1):+162.16
K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KGPTLLDGDLPEQENVLQR, MH+ 2190.2406, m/z 548.3156
H OS G33 P160811 220811-s1.06123.06123.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



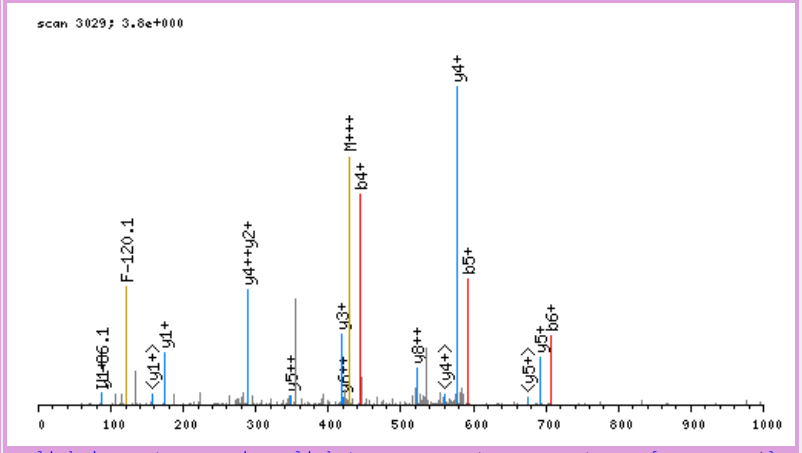
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	19		
254.2505	2	G	18	1994.0195	997.5136
351.3032	3	P	17	1936.9980	969.0029
452.3509	4	T	16	1839.9452	920.4765
565.4350	5	L	15	1738.8976	869.9527
678.5190	6	L	14	1625.8135	813.4107
793.5460	7	D	13	1512.7294	756.8686
850.5674	8	G	12	1397.7025	699.3552
965.5944	9	D	11	1340.6810	670.8444
1078.6784	10	L	10	1225.6541	**613.3310**
1175.7312	11	P	9	**1112.5700**	**556.7889**
1304.7738	12	E	8	**1015.5172**	508.2625
1432.8324	13	Q	7	**886.4747**	443.7412
1561.8750	14	E	6	**758.4161**	379.7120
1675.9179	15	N	5	**629.3735**	315.1907
1774.9863	16	V	4	**515.3306**	258.1692
1888.0704	17	L	3	**416.2621**	208.6350
2016.1290	18	Q	2	**303.1781**	152.0930
	19	R	1	**175.1195**	88.0637

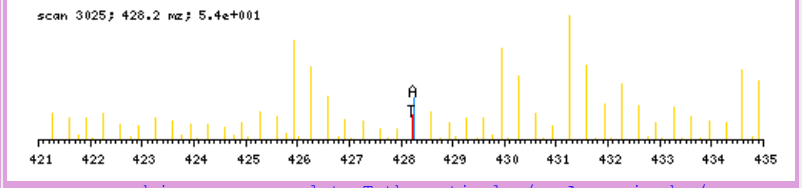
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KGSDFDCELR, MH+ 1282.6101, m/z 428.2082
L OS G34 P160811 220811-s1.03029.03029.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



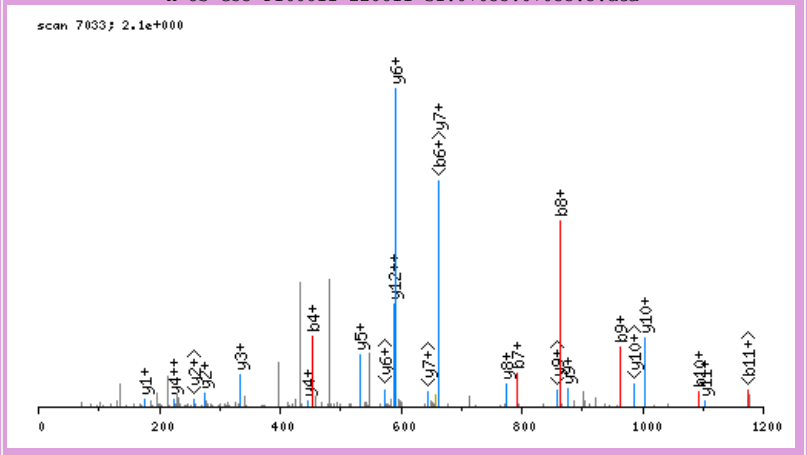
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	10		
242.1869	2	G	9	1098.4526	549.7302
329.2189	3	S	8	1041.4311	**521.2195**
444.2458	4	D	7	954.3991	477.7034
591.3142	5	F	6	839.3721	**420.1900**
706.3412	6	D	5	**692.3037**	**346.6558**
866.3718	7	C	4	**577.2768**	**289.1423**
995.4144	8	E	3	**417.2462**	209.1270
1108.4984	9	L	2	**288.2036**	144.6057
	10	R	1	**175.1195**	**88.0637**

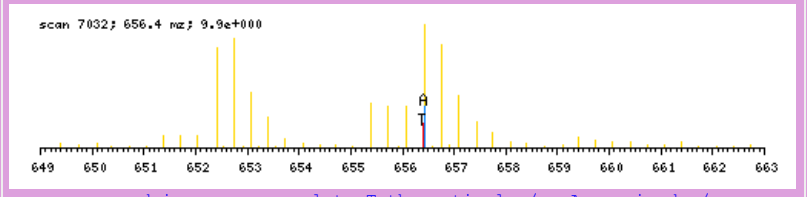
N-term:+29.04 K(1):+156.13
C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KGVVPEDAVETLAGSLGTR, MH+ 1967.1449, m/z 656.3865
H OS G33 P160811 220811-s1.07033.07033.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

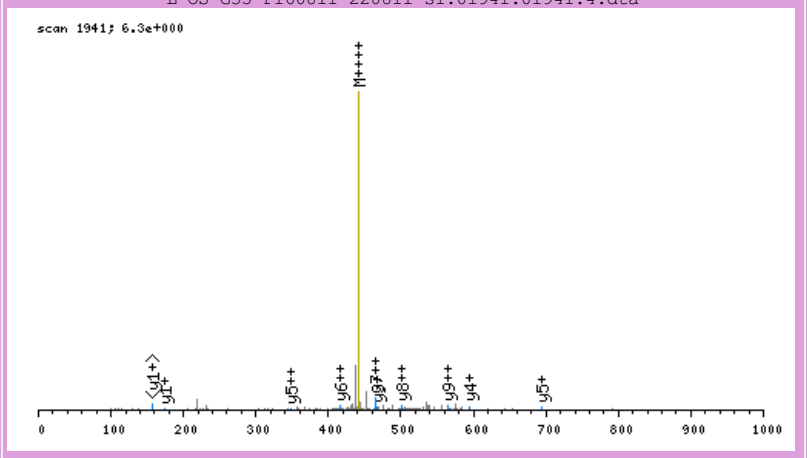


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

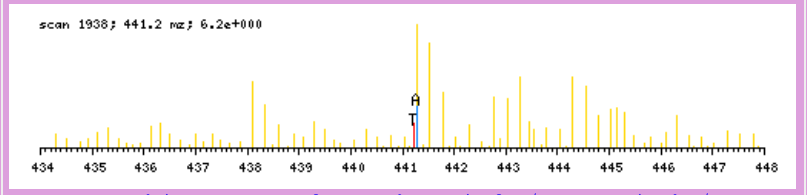
b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	19		
254.2505	2	G	18	1770.9238	885.9658
353.3189	3	V	17	1713.9023	857.4551
452.3873	4	V	16	1614.8339	807.9209
549.4401	5	P	15	1515.7655	758.3867
678.4826	6	E	14	1418.7127	709.8603
793.5096	7	D	13	1289.6701	645.3390
864.5467	8	A	12	1174.6432	**587.8255**
963.6151	9	V	11	**1103.6061**	552.3069
1092.6577	10	E	10	**1004.5376**	502.7727
1193.7054	11	T	9	**875.4951**	438.2514
1306.7895	12	L	8	**774.4474**	387.7276
1377.8266	13	A	7	**661.3633**	331.1856
1434.8480	14	G	6	**590.3262**	295.6670
1521.8801	15	S	5	**533.3047**	267.1563
1634.9641	16	L	4	**446.2727**	**223.6403**
1691.9856	17	G	3	**333.1886**	167.0982
1793.0333	18	T	2	**276.1672**	138.5875
	19	R	1	**175.1195**	88.0637

N-term:+35.07 K(1):+162.16

KHSPQEAPHVQYER, MH+ 1761.9037, m/z 441.2314
L OS G35 P160811 220811-s1.01941.01941.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

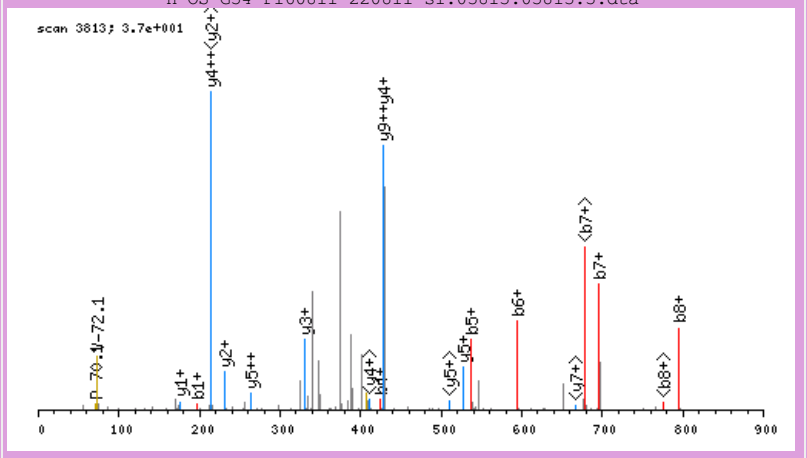
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
322.2243	2	H	13	1577.7461	789.3770
409.2563	3	S	12	1440.6872	720.8475
506.3091	4	P	11	1353.6551	677.3315
634.3677	5	Q	10	1256.6024	628.8051
763.4103	6	E	9	1128.5438	**564.7758**
834.4474	7	A	8	999.5012	**500.2545**
931.5002	8	P	7	928.4641	**464.7360**
1068.5591	9	H	6	831.4113	**416.2096**
1167.6275	10	V	5	**694.3524**	**347.6801**
1295.6861	11	Q	4	**595.2840**	298.1459
1458.7494	12	Y	3	**467.2254**	234.1166
1587.7920	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

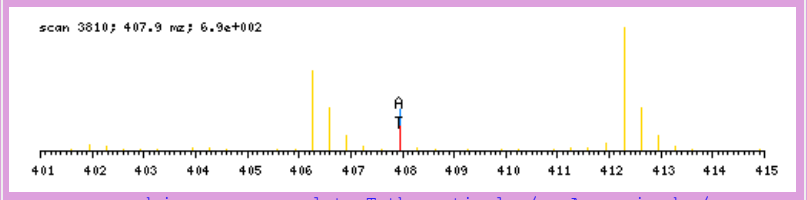
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KIGGIGTVPVGR, MH+ 1221.8319, m/z 407.9488
H_OS_G34_P160811_220811-s1.03813.03813.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



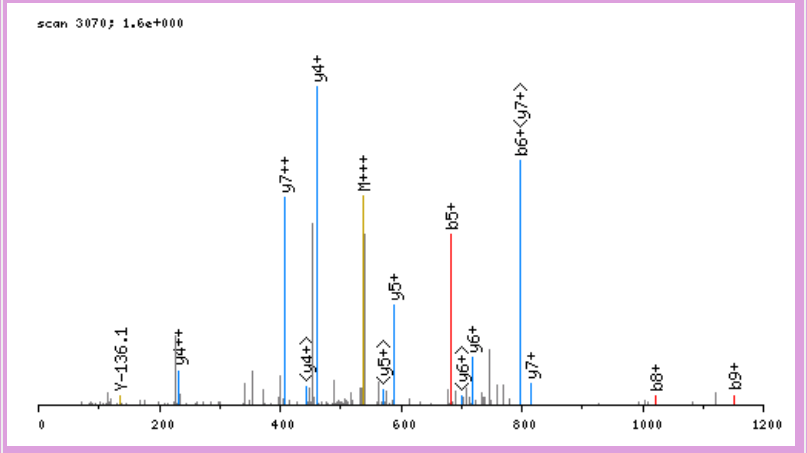
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	12		
310.3131	2	I	11	1025.6108	513.3093
367.3345	3	G	10	912.5267	456.7673
424.3560	4	G	9	855.5052	428.2565
537.4401	5	I	8	798.4838	399.7458
594.4615	6	G	7	685.3997	343.2038
695.5092	7	T	6	628.3782	314.6930
794.5776	8	V	5	527.3306	264.1692
891.6304	9	P	4	428.2621	214.6350
990.6988	10	V	3	331.2094	166.1086
1047.7203	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

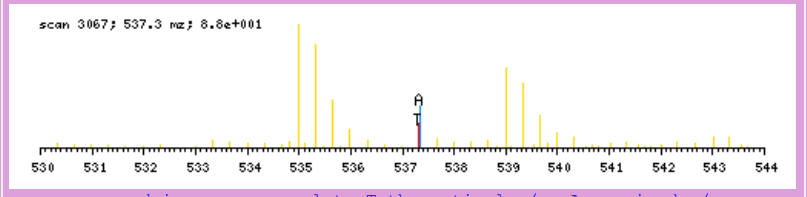
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KLEEDLPQEPTSR, MH+ 1609.9073, m/z 537.3073
H OS G33 P160811 220811-s1.03070.03070.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



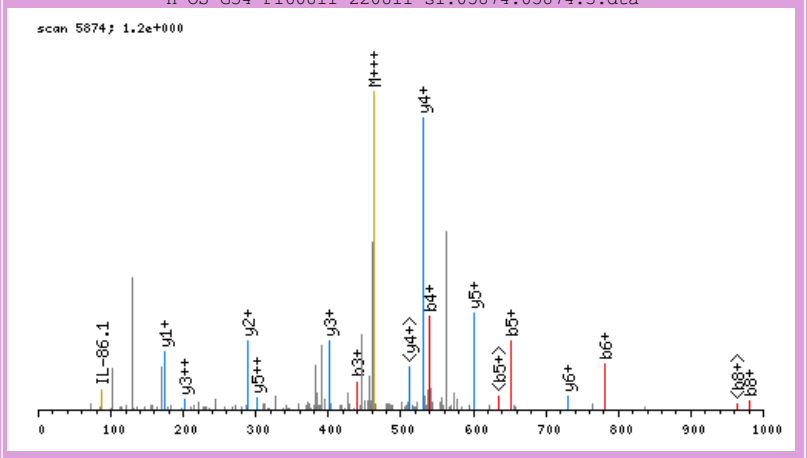
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	13		
310.3131	2	L	12	1413.6862	707.3470
439.3557	3	E	11	1300.6021	650.8050
568.3983	4	E	10	1171.5595	586.2837
683.4252	5	D	9	1042.5169	521.7624
796.5093	6	L	8	927.4900	464.2489
893.5620	7	P	7	**814.4059**	**407.7069**
1021.6206	8	Q	6	**717.3531**	359.1805
1150.6632	9	E	5	**589.2946**	295.1512
1247.7160	10	P	4	**460.2520**	**230.6299**
1348.7636	11	T	3	363.1992	182.1035
1435.7957	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

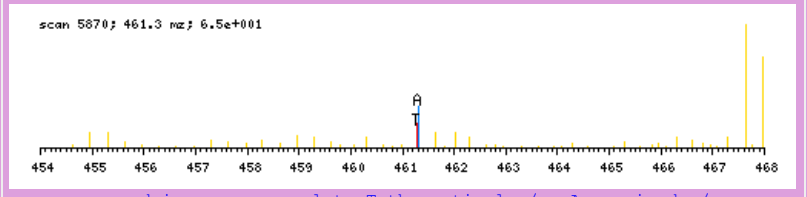
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KLEVNEAELLR, MH+ 1381.8691, m/z 461.2946
H OS G34 P160811 220811-s1.05874.05874.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

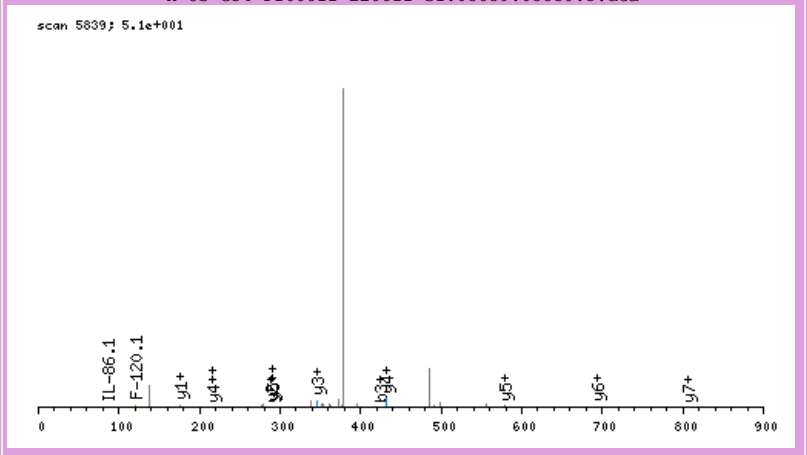


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	11		
310.3131	2	L	10	1185.6479	593.3279
439.3557	3	E	9	1072.5639	536.7858
538.4241	4	V	8	943.5213	472.2645
652.4670	5	N	7	844.4529	422.7303
781.5096	6	E	6	**730.4099**	365.7089
852.5467	7	A	5	**601.3673**	**301.1876**
981.5893	8	E	4	**530.3302**	265.6690
1094.6734	9	L	3	**401.2876**	**201.1477**
1207.7574	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

N-term:+35.07 K(1):+162.16

KLNFSGLR, MH+ 1002.6736, m/z 334.8961
H OS G34 P160811 220811-s1.05839.05839.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

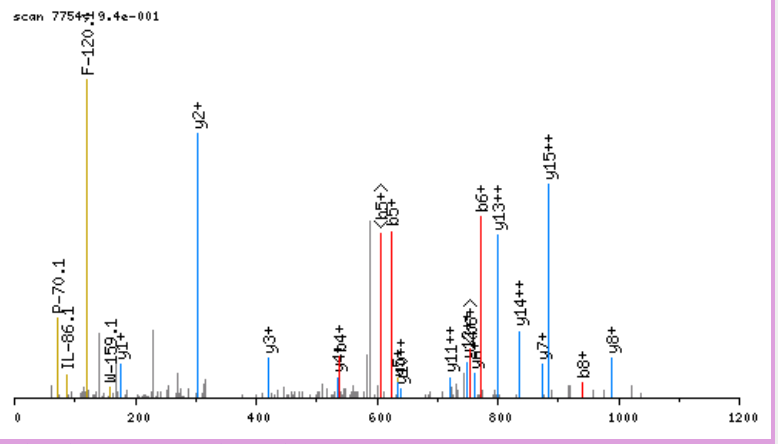
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	8		
310.3131	2	L	7	806.4525	403.7301
424.3560	3	N	6	693.3684	347.1881
571.4244	4	F	5	579.3255	290.1666
658.4564	5	S	4	432.2571	216.6324
715.4779	6	G	3	345.2250	173.1164
828.5620	7	L	2	288.2036	144.6057
	8	R	1	175.1195	88.0637

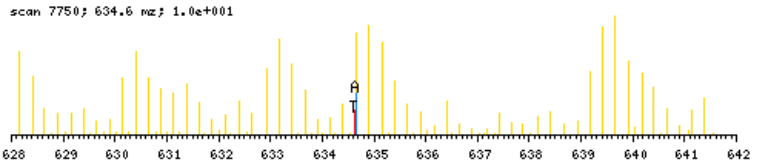
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KLNISFPATGCQKLIEVDDER, MH+ 2535.4341, m/z 634.6140
H OS G34 P160811 220811-s1.07754.07754.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



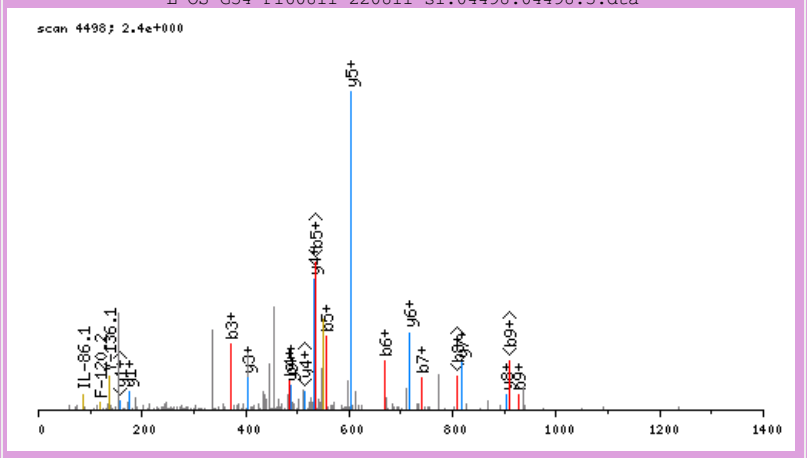
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	21		
310.3131	2	L	20	2339.2129	1170.1104
424.3560	3	N	19	2226.1288	1113.5683
537.4401	4	I	18	2112.0859	1056.5469
624.4721	5	S	17	1999.0019	1000.0048
771.5405	6	F	16	1911.9698	956.4888
868.5933	7	P	15	1764.9014	**882.9546**
939.6304	8	A	14	1667.8486	**834.4282**
1040.6781	9	T	13	1596.8115	**798.9097**
1097.6995	10	G	12	1495.7639	**748.3858**
1257.7301	11	C	11	1438.7424	**719.8751**
1385.7887	12	Q	10	1278.7118	**639.8598**
1547.9468	13	K	9	1150.6532	575.8305
1661.0309	14	L	8	**988.4951**	494.7515
1774.1149	15	I	7	**875.4111**	438.2094
1903.1575	16	E	6	**762.3270**	381.6674
2002.2259	17	V	5	**633.2844**	317.1461
2117.2529	18	D	4	**534.2160**	267.6119
2232.2798	19	D	3	**419.1890**	210.0984
2361.3224	20	E	2	**304.1621**	152.5850
	21	R	1	**175.1195**	88.0637

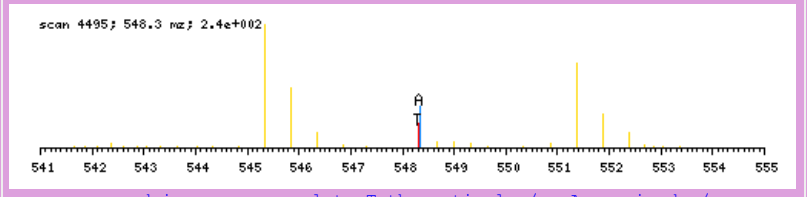
N-term:+35.07 K(1):+162.16
C(11):+160.03 K(13):+162.16

KNAIANASTLAEVER, MH+ 1642.9128, m/z 548.3091
L OS G34 P160811 220811-s1.04498.04498.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



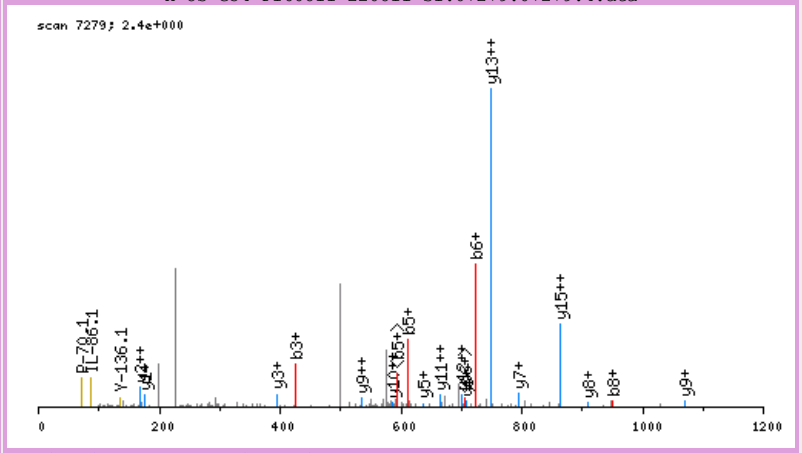
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
299.2083	2	N	14	1458.7552	729.8815
370.2454	3	A	13	1344.7123	672.8601
483.3295	4	I	12	1273.6752	637.3415
554.3666	5	A	11	1160.5911	580.7995
668.4095	6	N	10	1089.5540	545.2809
739.4467	7	A	9	975.5111	**488.2595**
826.4787	8	S	8	**904.4740**	452.7409
927.5264	9	T	7	**817.4420**	409.2249
1040.6104	10	L	6	**716.3943**	358.7011
1111.6475	11	A	5	**603.3102**	302.1590
1240.6901	12	E	4	**532.2731**	266.6405
1339.7586	13	V	3	**403.2305**	202.1192
1468.8011	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

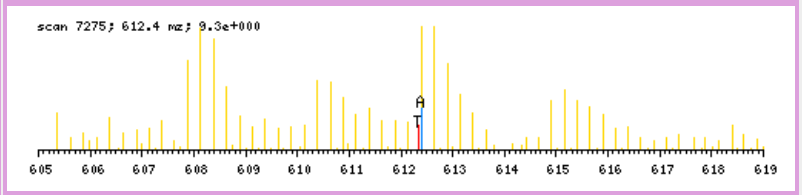
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KNDPSLPEPACVKISALEGYR, MH+ 2446.3864, m/z 612.3521
H OS G34 P160811 220811-s1.07279.07279.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



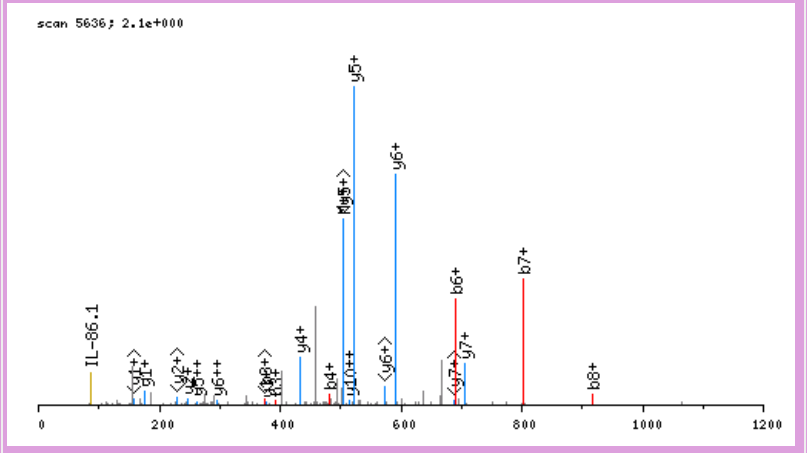
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	21		
311.2719	2	N	20	2250.1652	1125.5865
426.2989	3	D	19	2136.1223	1068.5651
523.3516	4	P	18	2021.0954	1011.0516
610.3837	5	S	17	1924.0426	962.5252
723.4677	6	L	16	1837.0106	919.0092
820.5205	7	P	15	1723.9265	**862.4672**
949.5631	8	E	14	1626.8737	813.9408
1046.6158	9	P	13	1497.8311	**749.4195**
1117.6530	10	A	12	1400.7784	**700.8931**
1277.6836	11	C	11	1329.7413	**665.3745**
1376.7520	12	V	10	1169.7107	**585.3592**
1538.9101	13	K	9	**1070.6423**	**535.8250**
1651.9941	14	I	8	**908.4842**	454.7460
1739.0262	15	S	7	**795.4001**	398.2040
1810.0633	16	A	6	**708.3681**	354.6879
1923.1473	17	L	5	**637.3310**	319.1694
2052.1899	18	E	4	524.2469	262.6274
2109.2114	19	G	3	**395.2043**	198.1061
2272.2747	20	Y	2	338.1828	**169.5953**
	21	R	1	**175.1195**	88.0637

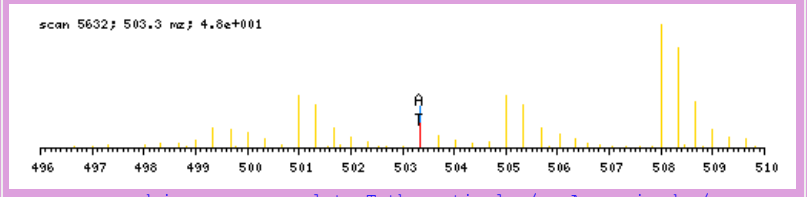
N-term:+35.07 K(1):+162.16
C(11):+160.03 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KPVSPLLLASGMAR, MH+ 1507.9670, m/z 503.3272
H OS G33 P160811 220811-s1.05636.05636.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



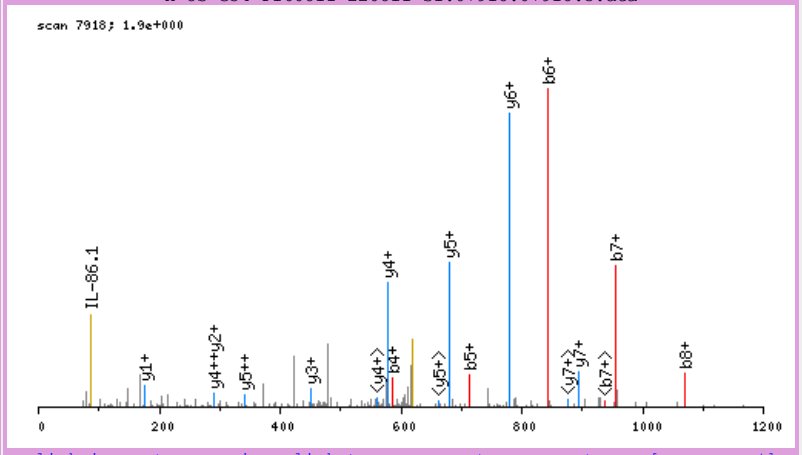
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
294.2818	2	P	13	1311.7459	656.3768
393.3502	3	V	12	1214.6931	607.8505
480.3822	4	S	11	1115.6247	558.3163
577.4350	5	P	10	1028.5927	514.8002
690.5190	6	L	9	931.5399	466.2739
803.6031	7	L	8	818.4558	409.7318
916.6872	8	L	7	705.3718	353.1898
987.7243	9	A	6	592.2877	296.6478
1074.7563	10	S	5	521.2506	261.1292
1131.7778	11	G	4	434.2186	217.6132
1262.8183	12	M	3	377.1971	189.1025
1333.8554	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

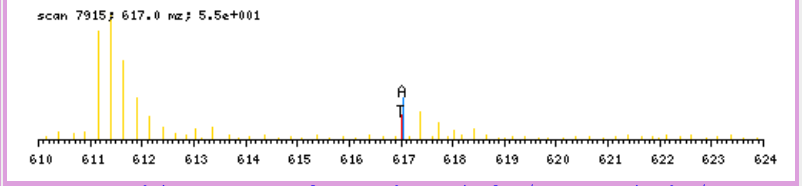
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KQFLEELLTTQCDR, MH+ 1849.0165, m/z 617.0104
H OS G34 P160811 220811-s1.07918.07918.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



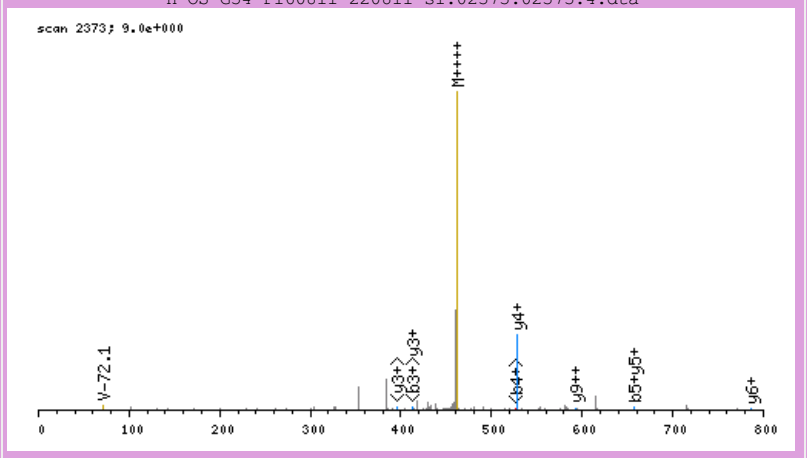
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
325.2876	2	Q	13	1652.7953	826.9016
472.3560	3	F	12	1524.7368	762.8723
585.4401	4	L	11	1377.6684	689.3381
714.4826	5	E	10	1264.5843	632.7961
843.5252	6	E	9	1135.5417	568.2748
956.6093	7	L	8	1006.4991	503.7535
1069.6934	8	L	7	**893.4150**	447.2114
1170.7410	9	T	6	**780.3310**	390.6694
1271.7887	10	T	5	**679.2833**	**340.1456**
1399.8473	11	Q	4	**578.2356**	**289.6217**
1559.8779	12	C	3	**450.1770**	225.5924
1674.9048	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

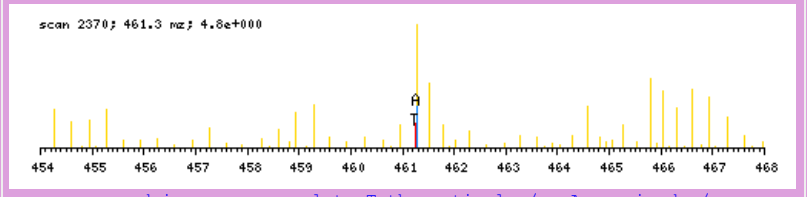
N-term:+35.07 K(1):+162.16
C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KSFLIWVNEEDHTR, MH+ 1842.0186, m/z 461.2601
H OS G34 P160811 220811-s1.02373.02373.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



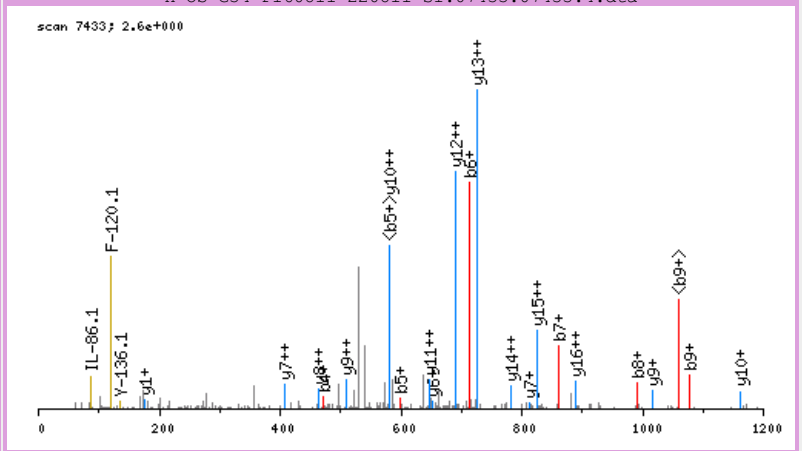
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
284.2610	2	S	13	1645.7974	823.4026
431.3294	3	F	12	1558.7654	779.8866
544.4135	4	L	11	1411.6970	706.3524
657.4976	5	I	10	1298.6129	649.8104
843.5769	6	W	9	1185.5289	**593.2683**
942.6453	7	V	8	999.4496	500.2287
1056.6882	8	N	7	900.3811	450.6945
1185.7308	9	E	6	**786.3382**	393.6730
1314.7734	10	E	5	**657.2956**	329.1517
1429.8004	11	D	4	**528.2530**	264.6304
1566.8593	12	H	3	**413.2261**	207.1170
1667.9069	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

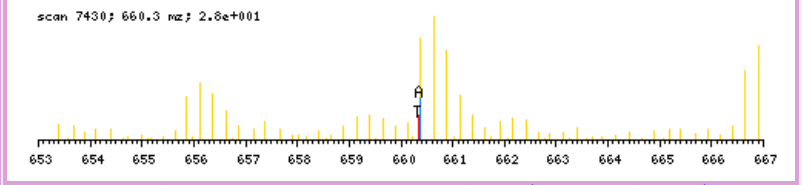
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KSGEEDFESLASQFSDCSSAKAR, MH+ 2638.3155, m/z 660.3343
H OS G34 P160811 220811-s1.07433.07433.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



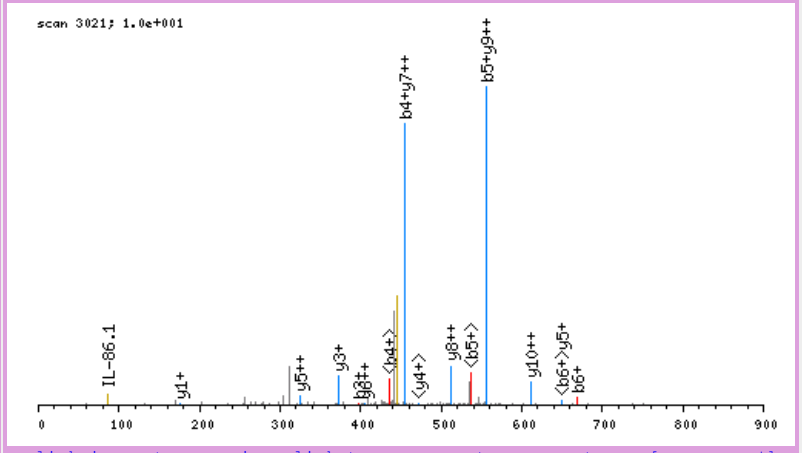
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	23		
284.2610	2	S	22	2442.0943	1221.5511
341.2825	3	G	21	2355.0623	1178.0351
470.3251	4	E	20	2298.0408	1149.5243
599.3677	5	E	19	2168.9982	1085.0030
714.3946	6	D	18	2039.9556	1020.4817
861.4630	7	F	17	1924.9287	962.9683
990.5056	8	E	16	1777.8603	**889.4341**
1077.5377	9	S	15	1648.8177	**824.9128**
1190.6217	10	L	14	1561.7857	**781.3967**
1261.6588	11	A	13	1448.7016	**724.8547**
1348.6909	12	S	12	1377.6645	**689.3362**
1476.7494	13	Q	11	1290.6324	**645.8201**
1623.8179	14	F	10	**1162.5739**	**581.7908**
1710.8499	15	S	9	**1015.5055**	**508.2566**
1825.8768	16	D	8	928.4734	**464.7406**
1985.9074	17	C	7	**813.4465**	**407.2272**
2072.9395	18	S	6	**653.4159**	327.2119
2159.9715	19	S	5	566.3839	283.6958
2231.0086	20	A	4	479.3518	240.1798
2393.1667	21	K	3	408.3147	204.6613
2464.2038	22	A	2	246.1566	123.5822
	23	R	1	**175.1195**	88.0637

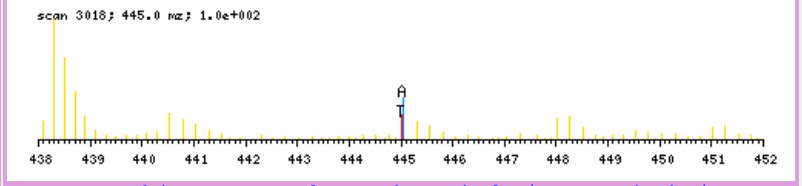
N-term:+35.07 K(1):+162.16
C(17):+160.03 K(21):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KSIGTLSDPCKDPTR, MH+ 1777.0378, m/z 445.0149
H OS G35 P160811 220811-s1.03021.03021.4.dta



click image to zoom in; click top corners to zoom out [precursor]



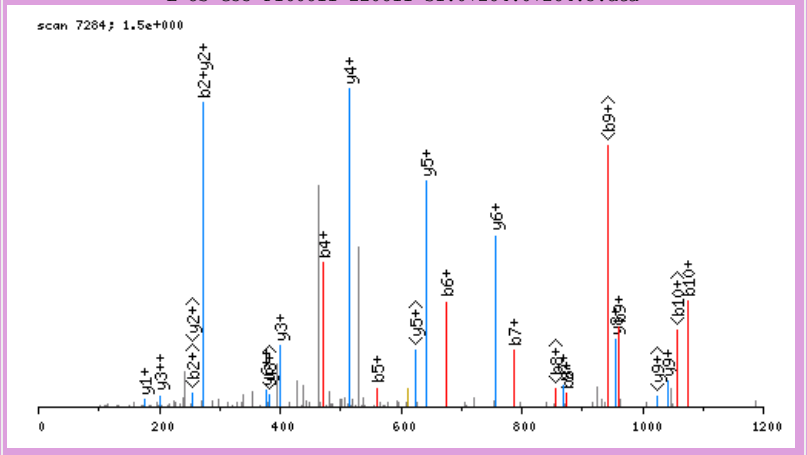
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
284.2610	2	S	14	1580.8166	790.9122
397.3451	3	I	13	1493.7846	747.3962
454.3666	4	G	12	1380.7005	690.8542
555.4142	5	T	11	1323.6791	662.3434
668.4983	6	L	10	1222.6314	**611.8196**
755.5303	7	S	9	1109.5473	**555.2776**
870.5573	8	D	8	1022.5153	**511.7616**
967.6100	9	P	7	907.4884	**454.2481**
1127.6406	10	C	6	810.4356	**405.7217**
1289.7987	11	K	5	**650.4050**	**325.7064**
1404.8257	12	D	4	488.2469	244.6274
1501.8784	13	P	3	**373.2199**	187.1139
1602.9261	14	T	2	276.1672	138.5875
	15	R	1	**175.1195**	88.0637

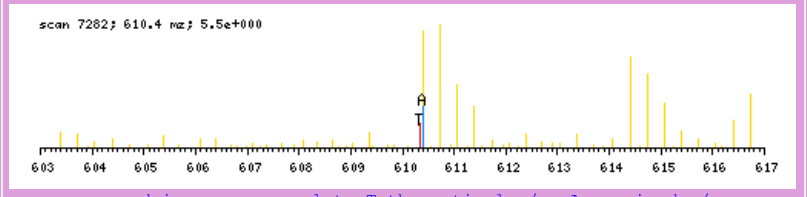
N-term:+35.07 K(1):+162.16
C(10):+160.03 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KSSLSDISSLLQIEPR, MH+ 1829.0384, m/z 610.3510
L OS G33 P160811 220811-s1.07284.07284.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



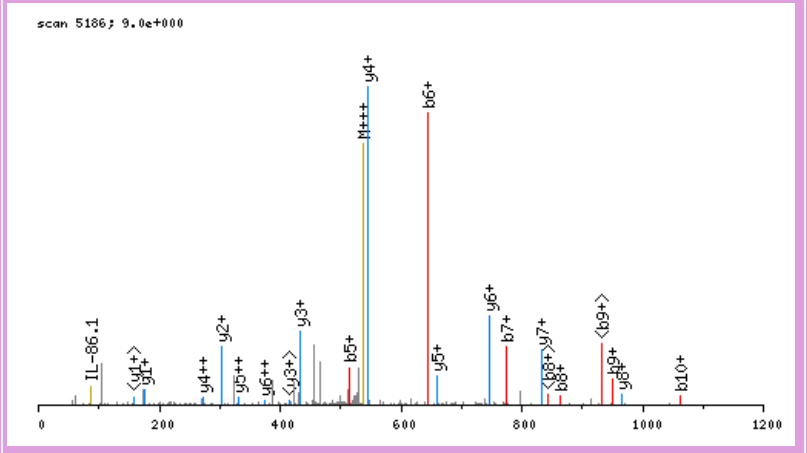
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
272.1974	2	S	15	1644.8808	822.9443
359.2295	3	S	14	1557.8488	779.4283
472.3135	4	L	13	1470.8168	735.9123
559.3455	5	S	12	1357.7327	679.3703
674.3725	6	D	11	1270.7007	635.8543
787.4566	7	I	10	1155.6737	578.3408
874.4886	8	S	9	1042.5897	521.7988
961.5206	9	S	8	955.5577	478.2827
1074.6047	10	L	7	868.5256	434.7667
1187.6887	11	L	6	755.4416	378.2247
1315.7473	12	Q	5	642.3575	321.6827
1428.8314	13	I	4	514.2989	257.6534
1557.8740	14	E	3	401.2149	201.1113
1654.9267	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

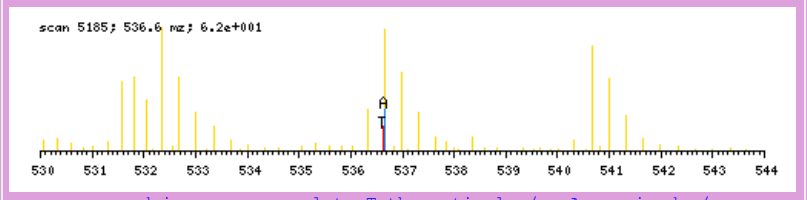
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KTGTAEMSSILEER, MH+ 1607.8315, m/z 536.6153
L OS G34 P160811 220811-s1.05186.05186.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



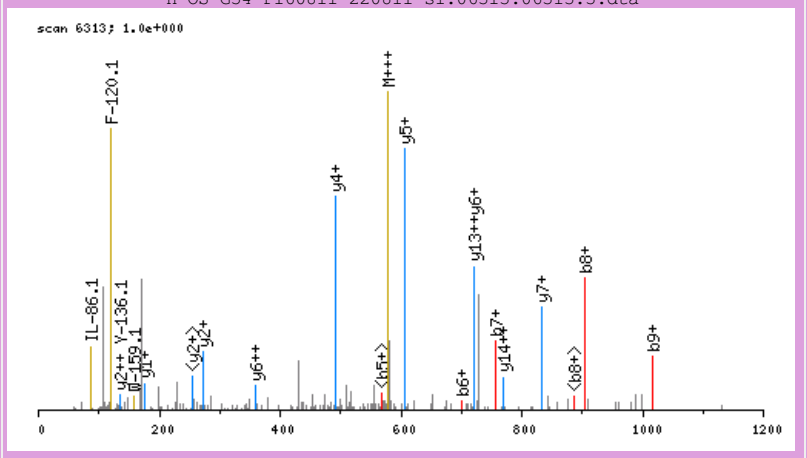
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
286.2131	2	T	13	1423.6739	712.3409
343.2345	3	G	12	1322.6262	661.8170
444.2822	4	T	11	1265.6047	633.3063
515.3193	5	A	10	1164.5571	582.7824
644.3619	6	E	9	1093.5199	547.2639
775.4024	7	M	8	**964.4774**	482.7426
862.4344	8	S	7	**833.4369**	417.2223
949.4665	9	S	6	**746.4048**	**373.7063**
1062.5505	10	I	5	**659.3728**	**330.1903**
1175.6346	11	L	4	**546.2888**	**273.6483**
1304.6772	12	E	3	**433.2047**	217.1063
1433.7198	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

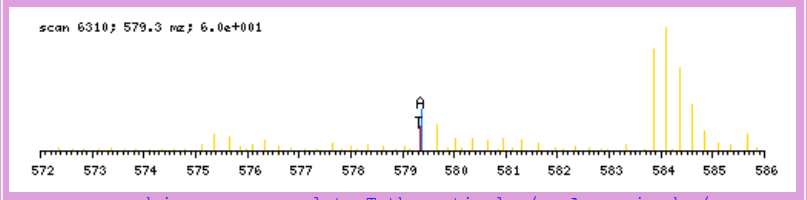
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KVDSSNGFLIDGYPR, MH+ 1735.9655, m/z 579.3267
H OS G34 P160811 220811-s1.06313.06313.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



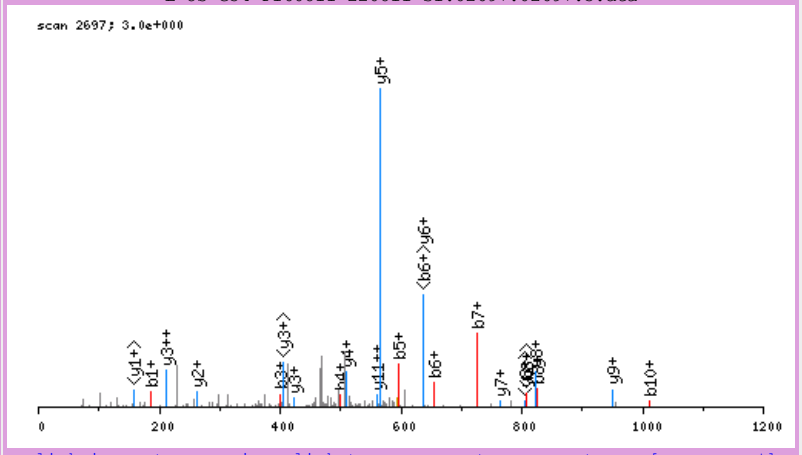
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
296.2974	2	V	14	1539.7443	**770.3761**
411.3244	3	D	13	1440.6759	**720.8419**
498.3564	4	S	12	1325.6490	663.3284
585.3884	5	S	11	1238.6170	619.8124
699.4313	6	N	10	1151.5849	576.2964
756.4528	7	G	9	1037.5420	519.2749
903.5212	8	F	8	980.5205	490.7642
1016.6053	9	L	7	**833.4521**	417.2300
1129.6893	10	I	6	**720.3681**	**360.6879**
1244.7163	11	D	5	**607.2840**	304.1459
1301.7378	12	G	4	**492.2571**	246.6324
1464.8011	13	Y	3	435.2356	218.1217
1561.8538	14	P	2	**272.1723**	**136.5900**
	15	R	1	**175.1195**	88.0637

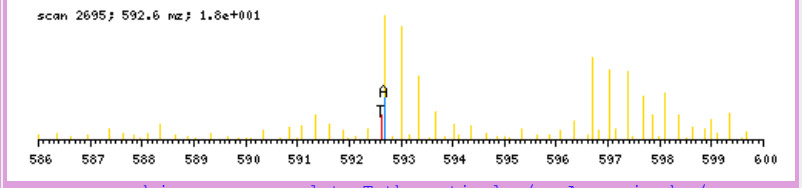
N-term:+35.07 K(1):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KVDVVGATQGQAGSCSR, MH+ 1775.9074, m/z 592.6406
L OS G34 P160811 220811-s1.02697.02697.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



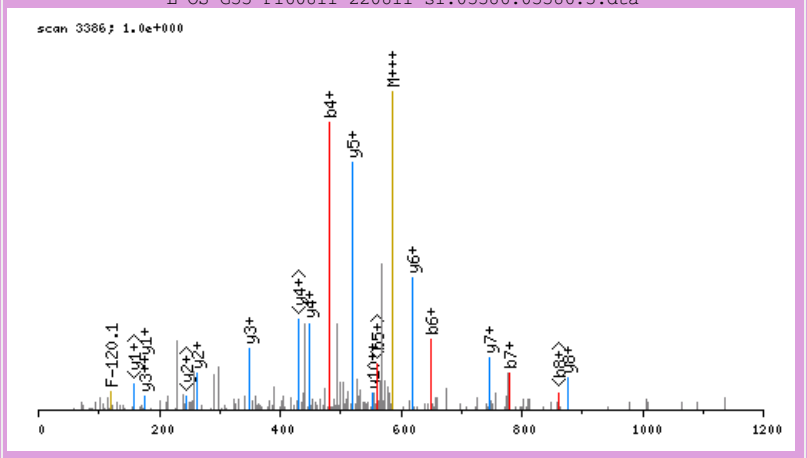
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
284.2338	2	V	16	1591.7498	796.3788
399.2608	3	D	15	1492.6814	746.8446
498.3292	4	V	14	1377.6544	689.3311
597.3976	5	V	13	1278.5860	639.7969
654.4190	6	G	12	1179.5176	590.2627
725.4562	7	A	11	1122.4961	561.7520
826.5038	8	T	10	1051.4590	526.2334
954.5624	9	Q	9	950.4114	475.7096
1011.5839	10	G	8	822.3528	411.6803
1139.6425	11	Q	7	765.3313	383.1696
1210.6796	12	A	6	637.2727	319.1403
1267.7010	13	G	5	566.2356	283.6217
1354.7331	14	S	4	509.2142	255.1110
1514.7637	15	C	3	422.1821	211.5950
1601.7957	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

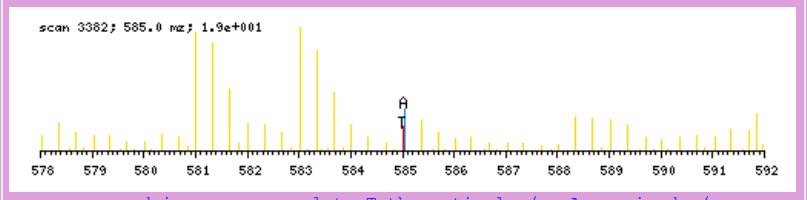
N-term:+29.04 K(1):+156.13
C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KVPVPAETQEVAVSSR, MH+ 1752.9860, m/z 585.0002
L OS G33 P160811 220811-s1.03386.03386.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



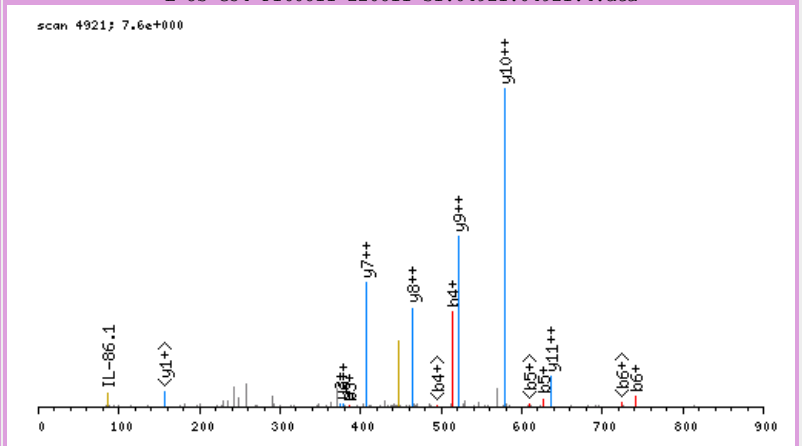
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
284.2338	2	V	15	1568.8284	784.9181
381.2866	3	P	14	1469.7600	735.3839
480.3550	4	V	13	1372.7072	686.8575
577.4078	5	P	12	1273.6388	637.3233
648.4449	6	A	11	1176.5861	588.7969
777.4875	7	E	10	1105.5489	**553.2784**
878.5351	8	T	9	976.5063	488.7571
1006.5937	9	Q	8	**875.4587**	438.2332
1135.6363	10	E	7	**747.4001**	374.2040
1234.7047	11	V	6	**618.3575**	309.6827
1305.7418	12	A	5	**519.2891**	260.1485
1404.8103	13	V	4	**448.2520**	224.6299
1491.8423	14	S	3	**349.1836**	**175.0957**
1578.8743	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

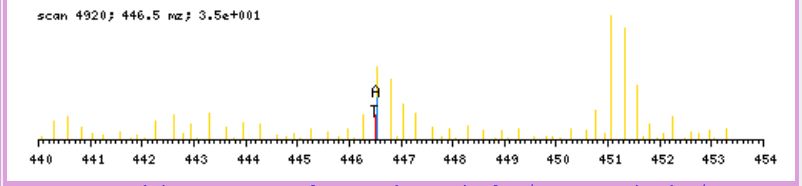
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

KVTQLDLDGPKELSR, MH+ 1783.0330, m/z 446.5137
L OS G34 P160811 220811-s1.04921.04921.4.dta



click image to zoom in; click top corners to zoom out [precursor]



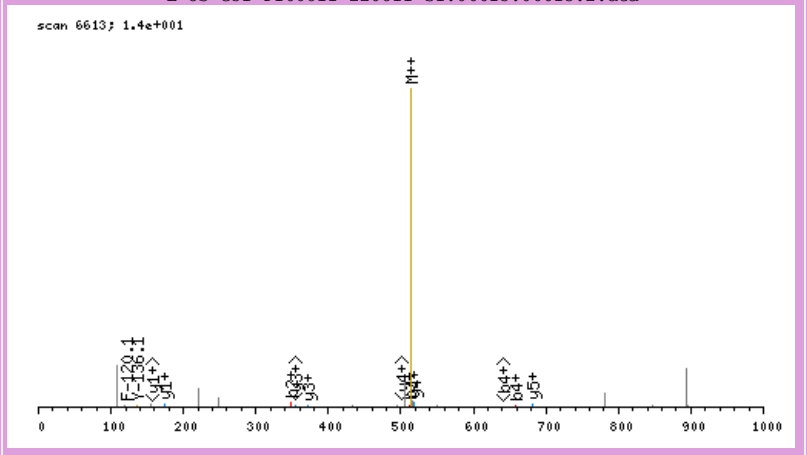
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
284.2338	2	V	14	1598.8754	799.9416
385.2815	3	T	13	1499.8070	750.4074
513.3401	4	Q	12	1398.7593	699.8836
626.4241	5	L	11	1270.7007	**635.8543**
741.4511	6	D	10	1157.6167	**579.3122**
854.5351	7	L	9	1042.5897	**521.7988**
969.5621	8	D	8	929.5057	**465.2567**
1026.5835	9	G	7	814.4787	**407.7433**
1123.6363	10	P	6	757.4573	**379.2325**
1279.7626	11	K	5	660.4045	330.7062
1408.8052	12	E	4	504.2782	252.6430
1521.8893	13	L	3	**375.2356**	188.1217
1608.9213	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

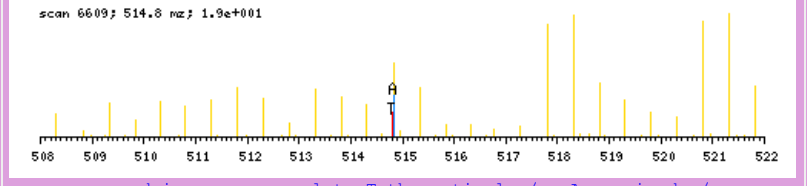
N-term:+29.04 K(1):+156.13
K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

KYYFPVR, MH+ 1028.5933, m/z 514.8003
L OS G31 P160811 220811-s1.06613.06613.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



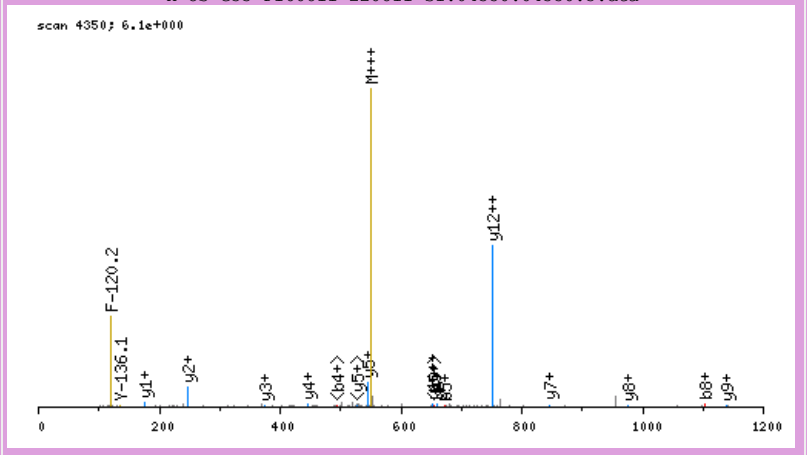
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	7		
348.2287	2	Y	6	844.4357	422.7218
511.2921	3	Y	5	681.3724	341.1901
658.3605	4	F	4	518.3091	259.6585
755.4132	5	P	3	371.2407	186.1243
854.4816	6	V	2	274.1879	137.5979
	7	R	1	175.1195	88.0637

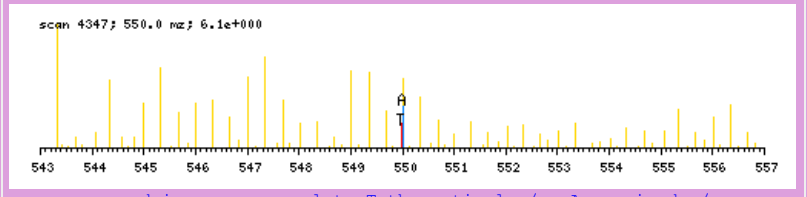
N-term:+29.04 K(1):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LAEKYEWDVAEAR, MH+ 1647.9019, m/z 549.9721
H OS G33 P160811 220811-s1.04350.04350.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



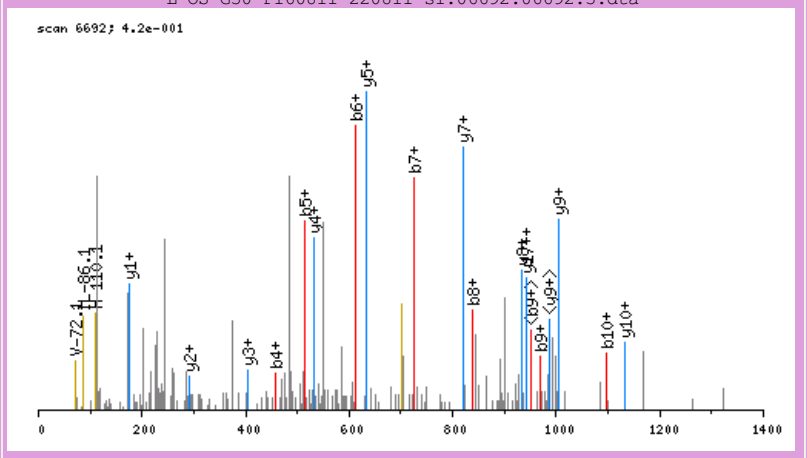
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
219.1921	2	A	12	1500.7547	**750.8813**
348.2347	3	E	11	1429.7176	715.3627
510.3928	4	K	10	1300.6750	**650.8414**
673.4561	5	Y	9	**1138.5169**	569.7624
802.4987	6	E	8	**975.4536**	488.2307
988.5780	7	W	7	**846.4110**	423.7094
1103.6049	8	D	6	**660.3317**	330.6698
1202.6734	9	V	5	**545.3047**	273.1563
1273.7105	10	A	4	**446.2363**	223.6221
1402.7531	11	E	3	**375.1992**	188.1035
1473.7902	12	A	2	**246.1566**	123.5822
	13	R	1	**175.1195**	88.0637

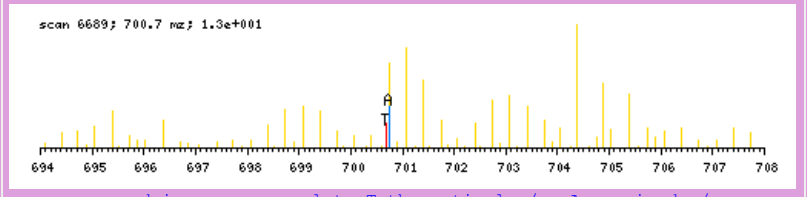
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LAQDGVINEEALSVTELDR, MH+ 2100.0824, m/z 700.6990
L OS G30 P160811 220811-s1.06692.06692.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



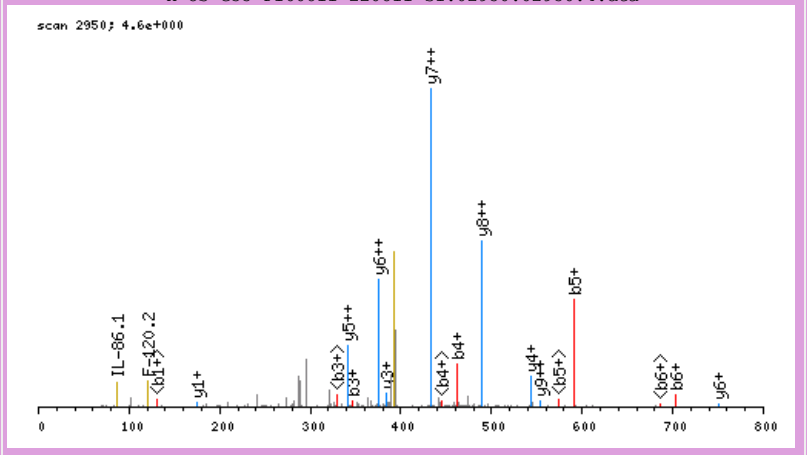
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	19		
213.1603	2	A	18	1958.9671	979.9875
341.2189	3	Q	17	1887.9300	**944.4689**
456.2458	4	D	16	1759.8714	880.4396
513.2673	5	G	15	1644.8445	822.9261
612.3357	6	V	14	1587.8230	794.4154
725.4197	7	I	13	1488.7546	744.8812
839.4627	8	N	12	1375.6705	688.3392
968.5053	9	E	11	1261.6276	631.3177
1097.5479	10	E	10	**1132.5850**	566.7964
1168.5850	11	A	9	**1003.5424**	502.2751
1281.6690	12	L	8	**932.5053**	466.7566
1368.7011	13	S	7	**819.4212**	410.2145
1467.7695	14	V	6	732.3892	366.6985
1568.8172	15	T	5	**633.3208**	317.1643
1697.8597	16	E	4	**532.2731**	266.6405
1810.9438	17	L	3	**403.2305**	202.1192
1925.9708	18	D	2	**290.1464**	145.5771
	19	R	1	**175.1195**	88.0637

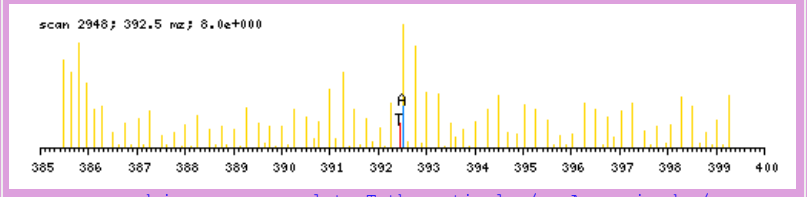
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LAQNELIAHCHAR, MH+ 1566.8386, m/z 392.4651
H OS G35 P160811 220811-s1.02950.02950.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



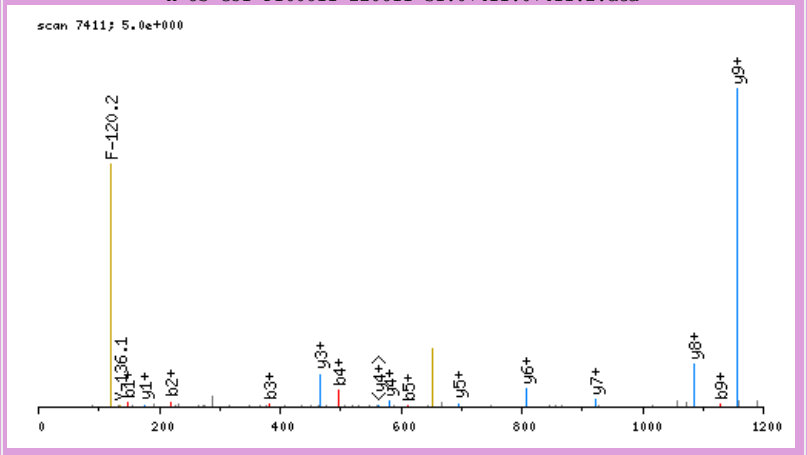
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
219.1921	2	A	12	1419.6915	710.3497
347.2507	3	Q	11	1348.6544	674.8311
461.2936	4	N	10	1220.5958	610.8018
590.3362	5	E	9	1106.5529	**553.7803**
703.4202	6	L	8	977.5103	**489.2591**
816.5043	7	I	7	864.4262	**432.7170**
887.5414	8	A	6	**751.3422**	**376.1750**
1024.6003	9	H	5	680.3050	**340.6564**
1184.6309	10	C	4	**543.2461**	272.1270
1321.6898	11	H	3	**383.2155**	192.1117
1392.7270	12	A	2	246.1566	123.5822
	13	R	1	**175.1195**	88.0637

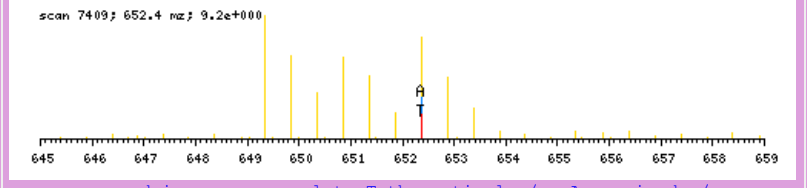
N-term:+35.07 C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LAYDILDQYR, MH+ 1303.7110, m/z 652.3591
H OS G31 P160811 220811-s1.07411.07411.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



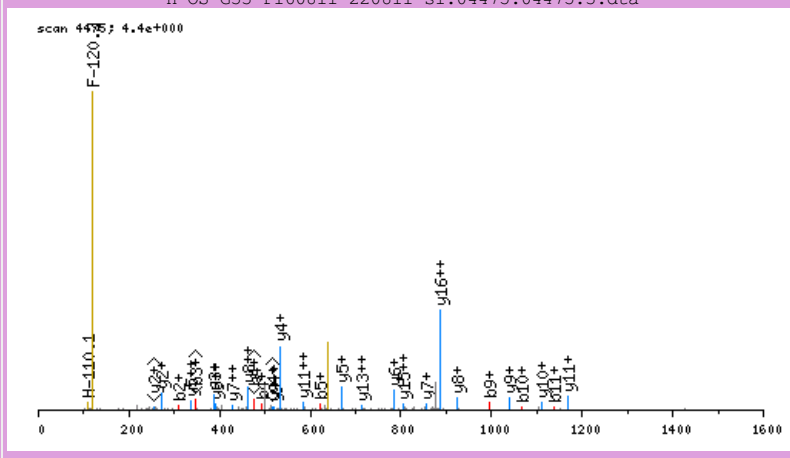
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	10		
219.1921	2	A	9	1156.5639	578.7858
382.2554	3	Y	8	1085.5267	543.2673
497.2823	4	D	7	922.4634	461.7356
610.3664	5	I	6	807.4365	404.2222
723.4505	6	L	5	694.3524	347.6801
838.4774	7	D	4	581.2683	291.1381
966.5360	8	Q	3	466.2414	233.6246
1129.5993	9	Y	2	338.1828	169.5953
	10	R	1	175.1195	88.0637

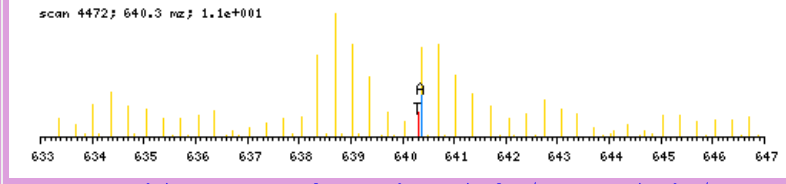
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LCGEEQGADAALHFNPR, MH+ 1918.9293, m/z 640.3146
H OS G33 P160811 220811-s1.04475.04475.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



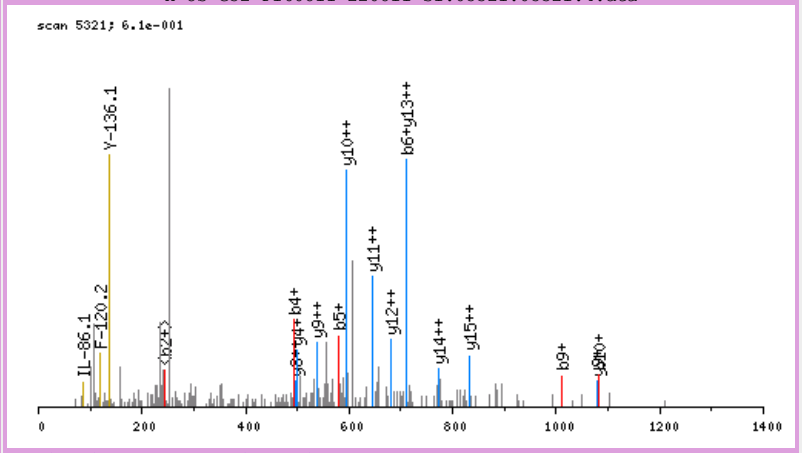
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
308.1856	2	C	16	1771.7822	**886.3950**
365.2070	3	G	15	1611.7516	**806.3797**
494.2496	4	E	14	1554.7301	777.8690
623.2922	5	E	13	1425.6875	**713.3477**
751.3508	6	Q	12	1296.6449	648.8264
808.3723	7	G	11	**1168.5863**	**584.7971**
879.4094	8	A	10	**1111.5649**	556.2863
994.4363	9	D	9	**1040.5278**	**520.7678**
1065.4734	10	A	8	**925.5008**	**463.2543**
1136.5105	11	A	7	**854.4637**	**427.7358**
1249.5946	12	L	6	**783.4266**	**392.2172**
1386.6535	13	H	5	**670.3425**	**335.6752**
1533.7219	14	F	4	**533.2836**	267.1457
1647.7649	15	N	3	**386.2152**	193.6115
1744.8176	16	P	2	**272.1723**	136.5900
	17	R	1	175.1195	88.0637

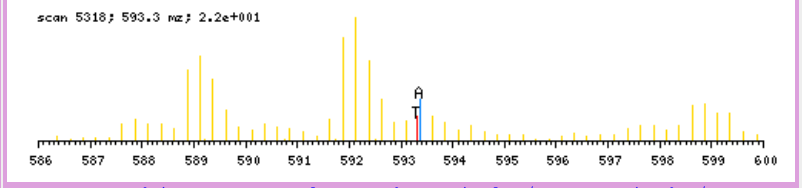
N-term:+35.07 C(2):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDACSQDEGAVISKISEIPNR, MH+ 2370.2611, m/z 593.3207
H OS G32 P160811 220811-s1.05321.05321.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



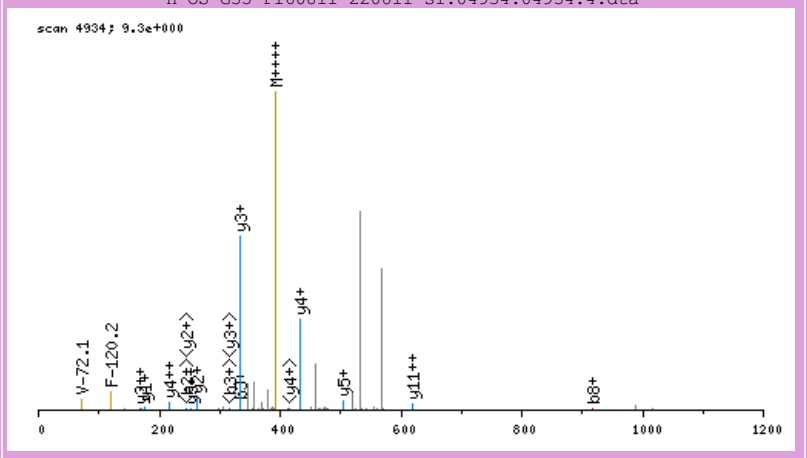
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	21		
263.1819	2	D	20	2223.1139	1112.0609
334.2190	3	A	19	2108.0870	1054.5474
494.2496	4	C	18	2037.0499	1019.0288
581.2816	5	S	17	1877.0193	939.0135
709.3402	6	Q	16	1789.9872	895.4975
824.3672	7	D	15	1661.9287	**831.4682**
953.4098	8	E	14	1546.9017	**773.9548**
1010.4312	9	G	13	1417.8591	**709.4335**
1081.4683	10	A	12	1360.8377	**680.9227**
1180.5368	11	V	11	1289.8005	**645.4042**
1293.6208	12	I	10	1190.7321	**595.8700**
1380.6528	13	S	9	**1077.6481**	**539.3279**
1542.8109	14	K	8	990.6160	**495.8119**
1655.8950	15	I	7	828.4579	414.7329
1742.9270	16	S	6	715.3739	358.1909
1871.9696	17	E	5	628.3418	314.6748
1985.0537	18	I	4	**499.2993**	250.1535
2082.1065	19	P	3	386.2152	193.6115
2196.1494	20	N	2	289.1624	145.0851
	21	R	1	175.1195	88.0637

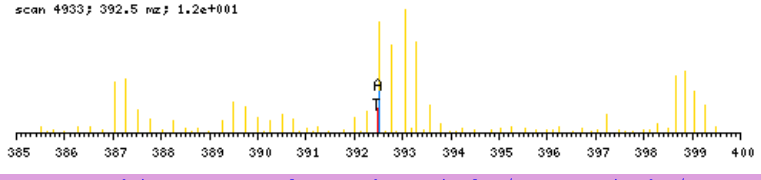
N-term:+35.07 C(4):+160.03
K(14):+162.16

LDAGHKLNFAVASR, MH+ 1566.9392, m/z 392.4903
H OS G35 P160811 220811-s1.04934.04934.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO



click image to zoom in; click top corners to zoom out [precursor±]



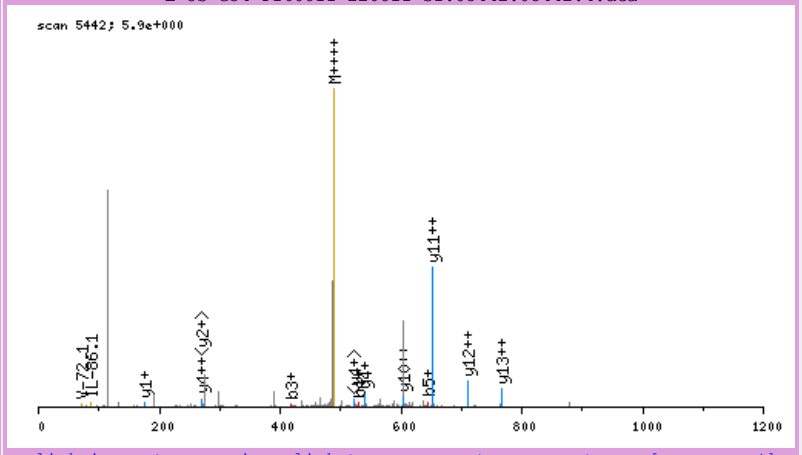
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1419.7921	710.4000
334.2190	3	A	12	1304.7652	652.8865
391.2405	4	G	11	1233.7281	**617.3679**
528.2994	5	H	10	1176.7066	588.8572
690.4575	6	K	9	1039.6477	520.3278
803.5416	7	L	8	877.4896	439.2487
917.5845	8	N	7	764.4055	382.7067
1064.6529	9	F	6	650.3626	325.6852
1135.6900	10	A	5	**503.2942**	**252.1510**
1234.7584	11	V	4	**432.2571**	**216.6324**
1305.7955	12	A	3	**333.1886**	**167.0982**
1392.8276	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

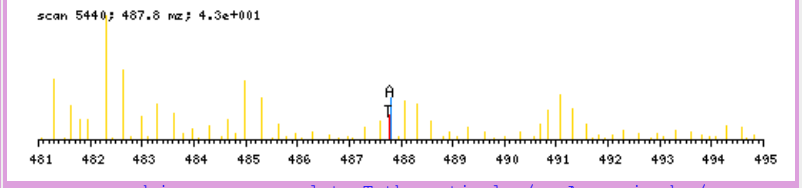
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LDCILPPTRPTDKPLR, MH+ 1948.1053, m/z 487.7818
L OS G34 P160811 220811-s1.05442.05442.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



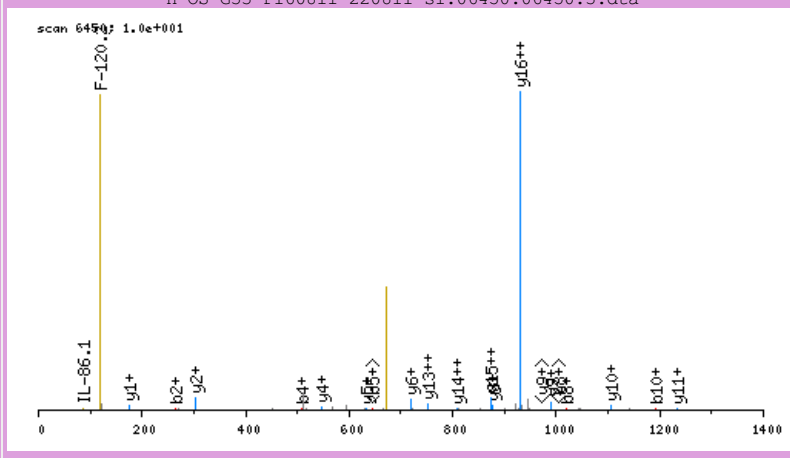
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
257.1501	2	D	15	1806.9900	903.9989
417.1807	3	C	14	1691.9631	846.4854
530.2648	4	I	13	1531.9325	**766.4701**
643.3488	5	L	12	1418.8484	**709.9281**
740.4016	6	P	11	1305.7643	**653.3861**
837.4544	7	P	10	1208.7116	**604.8597**
938.5020	8	T	9	1111.6588	556.3333
1094.6032	9	R	8	1010.6111	505.8095
1191.6559	10	P	7	854.5100	427.7589
1292.7036	11	T	6	757.4573	379.2325
1407.7305	12	D	5	656.4096	328.7087
1563.8568	13	K	4	**541.3826**	**271.1952**
1660.9096	14	P	3	385.2563	193.1321
1773.9937	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

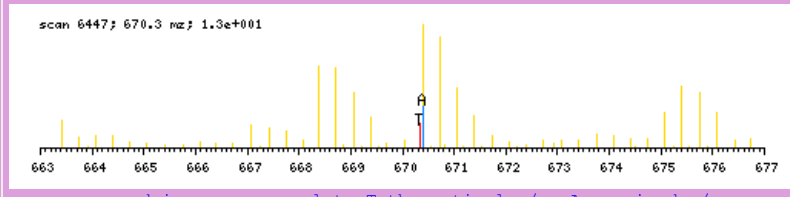
N-term:+29.04 C(3):+160.03
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDEDRLEDLGVSSLEER, MH+ 2009.0251, m/z 670.3465
H OS G33 P160811 220811-s1.06450.06450.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

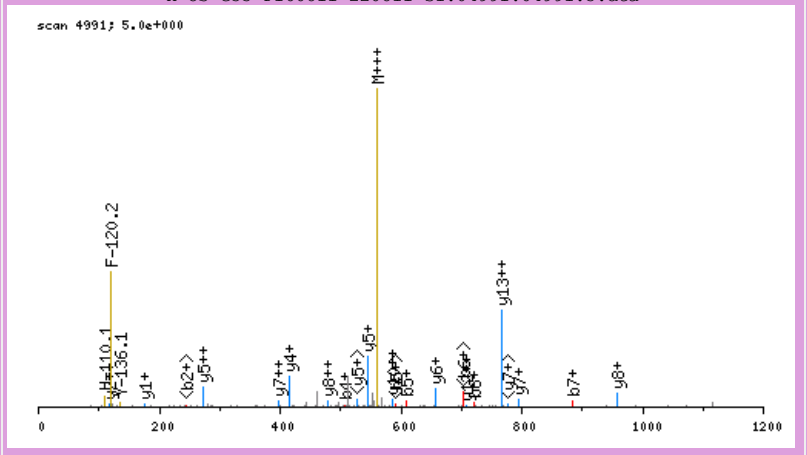


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

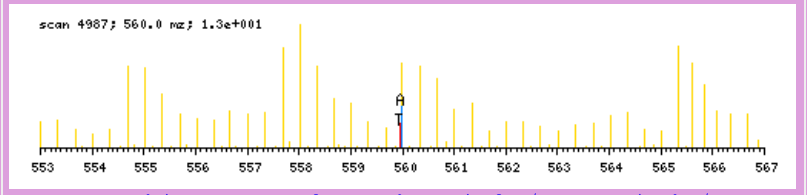
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
263.1819	2	D	16	1861.8779	**931.4429**
392.2245	3	E	15	1746.8510	**873.9294**
507.2514	4	D	14	1617.8084	**809.4081**
663.3526	5	R	13	1502.7815	**751.8946**
776.4366	6	L	12	1346.6803	673.8441
905.4792	7	E	11	**1233.5963**	617.3021
1020.5062	8	D	10	**1104.5537**	552.7808
1133.5902	9	L	9	**989.5267**	495.2673
1190.6117	10	G	8	**876.4427**	438.7253
1289.6801	11	V	7	819.4212	410.2145
1376.7121	12	S	6	**720.3528**	360.6803
1463.7442	13	S	5	**633.3208**	317.1643
1576.8282	14	L	4	**546.2888**	273.6483
1705.8708	15	E	3	433.2047	217.1063
1834.9134	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

N-term:+35.07

LDEDTIYHLQPSGR, MH+ 1677.8660, m/z 559.9602
H_OS_G33_P160811_220811-s1.04991.04991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

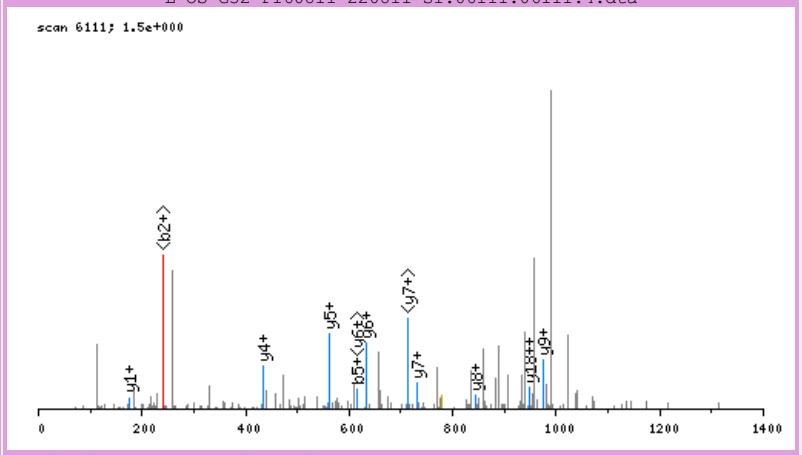
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1530.7189	**765.8633**
392.2245	3	E	12	1415.6919	**708.3499**
507.2514	4	D	11	1286.6493	643.8286
608.2991	5	T	10	1171.6224	**586.3151**
721.3832	6	I	9	1070.5747	535.7913
884.4465	7	Y	8	**957.4906**	**479.2492**
1021.5054	8	H	7	**794.4273**	**397.7176**
1134.5895	9	L	6	**657.3684**	329.1881
1262.6481	10	Q	5	**544.2843**	**272.6461**
1359.7008	11	P	4	**416.2258**	208.6168
1446.7329	12	S	3	319.1730	160.0904
1503.7543	13	G	2	232.1410	**116.5744**
	14	R	1	**175.1195**	88.0637

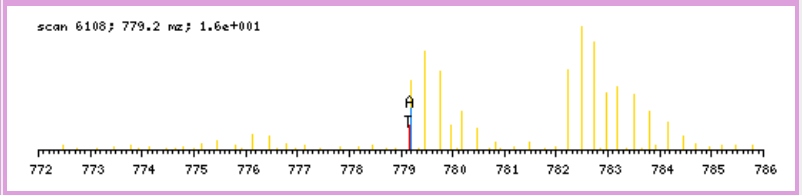
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LDEETGSLNKAVLLQGSNDVELVAEGNSR, MH+ 3113.5966, m/z 779.1546
L OS G32 P160811 220811-s1.06111.06111.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



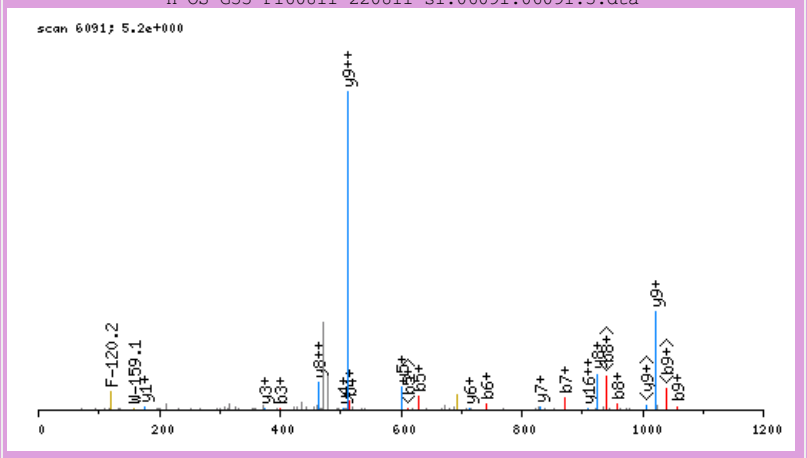
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	29		
257.1501	2	D	28	2972.4813	1486.7446
386.1927	3	E	27	2857.4544	1429.2311
515.2353	4	E	26	2728.4118	1364.7098
616.2830	5	T	25	2599.3692	1300.1885
673.3044	6	G	24	2498.3215	1249.6647
760.3365	7	S	23	2441.3000	1221.1539
873.4205	8	L	22	2354.2680	1177.6379
987.4635	9	N	21	2241.1839	1121.0959
1143.5898	10	K	20	2127.1410	1064.0744
1214.6269	11	A	19	1971.0147	986.0113
1313.6953	12	V	18	1899.9776	**950.4927**
1426.7793	13	L	17	1800.9092	900.9585
1539.8634	14	L	16	1687.8251	844.4165
1667.9220	15	Q	15	1574.7411	787.8744
1724.9435	16	G	14	1446.6825	723.8452
1811.9755	17	S	13	1389.6610	695.3344
1926.0184	18	N	12	1302.6290	651.8184
2041.0454	19	D	11	1188.5861	594.7969
2140.1138	20	V	10	1073.5591	537.2835
2269.1564	21	E	9	**974.4907**	487.7493
2382.2404	22	L	8	**845.4481**	423.2280
2481.3088	23	V	7	**732.3640**	366.6859
2552.3460	24	A	6	**633.2956**	317.1517
2681.3885	25	E	5	**562.2585**	281.6332
2738.4100	26	G	4	**433.2159**	217.1119
2852.4529	27	N	3	376.1945	188.6011
2939.4850	28	S	2	262.1515	131.5797
	29	R	1	**175.1195**	88.0637

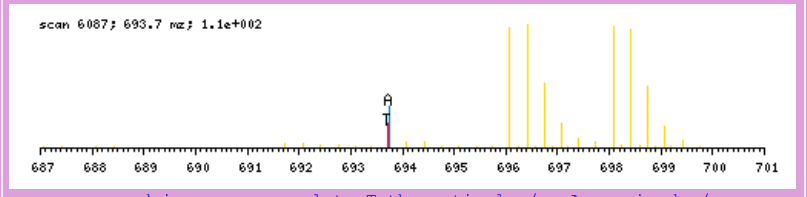
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDHNDLESVPPNLPESLR, MH+ 2079.0934, m/z 693.7027
H_OS_G33_P160811_220811-s1.06091.06091.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



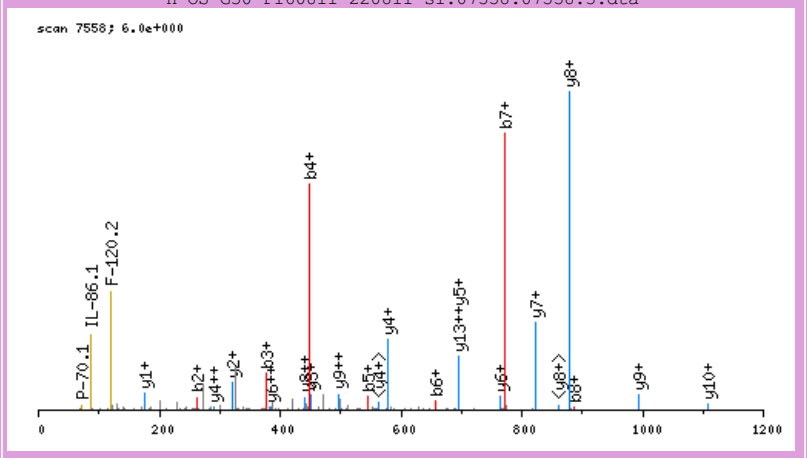
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
263.1819	2	D	17	1931.9463	966.4771
400.2408	3	H	16	1816.9194	**908.9636**
514.2837	4	N	15	1679.8604	840.4341
629.3107	5	D	14	1565.8175	783.4127
742.3948	6	L	13	1450.7906	725.8992
871.4373	7	E	12	1337.7065	669.3572
958.4694	8	S	11	1208.6639	604.8359
1057.5378	9	V	10	1121.6319	561.3199
1154.5906	10	P	9	**1022.5635**	**511.7856**
1251.6433	11	P	8	**925.5107**	**463.2593**
1365.6862	12	N	7	**828.4579**	414.7329
1478.7703	13	L	6	**714.4150**	357.7114
1575.8231	14	P	5	**601.3310**	301.1694
1704.8657	15	E	4	**504.2782**	252.6430
1791.8977	16	S	3	**375.2356**	188.1217
1904.9818	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

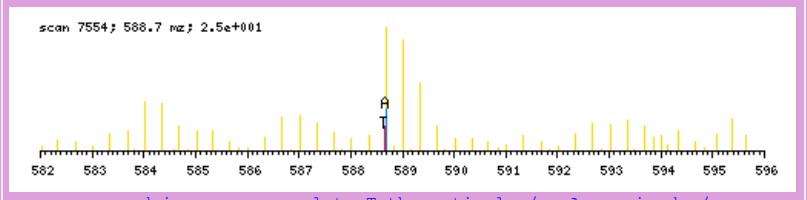
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDIAPLDIGGADQEFR, MH+ 1763.9392, m/z 588.6512
H OS G30 P160811 220811-s1.07558.07558.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



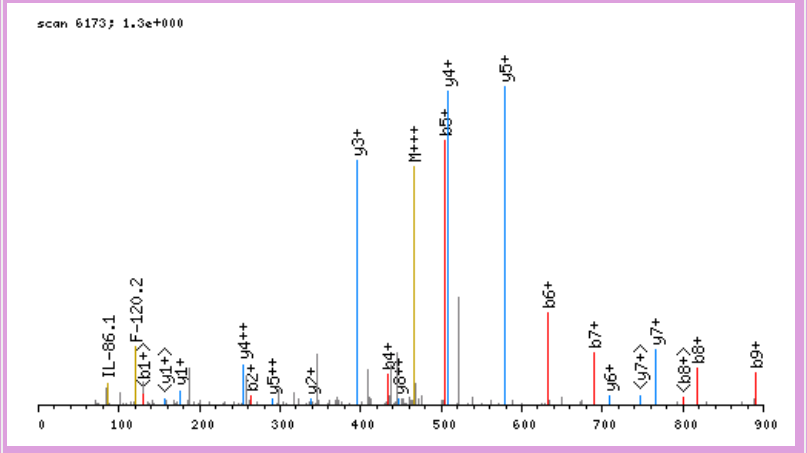
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
263.1819	2	D	15	1616.7920	808.8999
376.2660	3	I	14	1501.7651	751.3865
447.3031	4	A	13	1388.6810	**694.8444**
544.3558	5	P	12	1317.6439	659.3259
657.4399	6	L	11	1220.5911	610.7995
772.4669	7	D	10	**1107.5071**	554.2575
885.5509	8	I	9	**992.4801**	**496.7440**
942.5724	9	G	8	**879.3961**	**440.2019**
999.5938	10	G	7	**822.3746**	411.6912
1070.6310	11	A	6	**765.3531**	**383.1805**
1185.6579	12	D	5	**694.3160**	347.6619
1313.7165	13	Q	4	**579.2891**	**290.1485**
1442.7591	14	E	3	**451.2305**	226.1192
1589.8275	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

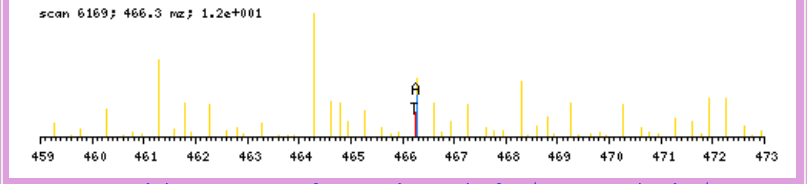
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDIGAQGEALGYR, MH+ 1396.7648, m/z 466.2598
H OS G31 P160811 220811-s1.06173.06173.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



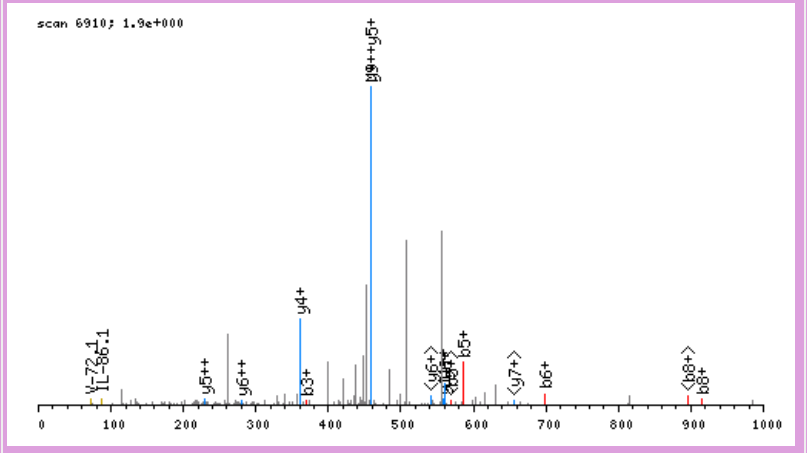
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
263.1819	2	D	12	1249.6177	625.3128
376.2660	3	I	11	1134.5907	567.7993
433.2874	4	G	10	1021.5067	511.2573
504.3245	5	A	9	964.4852	482.7465
632.3831	6	Q	8	893.4481	**447.2280**
689.4046	7	G	7	**765.3895**	383.1987
818.4472	8	E	6	**708.3681**	354.6879
889.4843	9	A	5	**579.3255**	**290.1666**
1002.5684	10	L	4	**508.2884**	**254.6481**
1059.5898	11	G	3	**395.2043**	198.1061
1222.6532	12	Y	2	**338.1828**	169.5953
	13	R	1	**175.1195**	88.0637

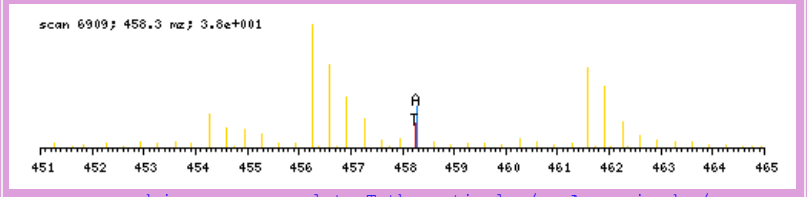
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDISELNTVGAGR, MH+ 1372.7436, m/z 458.2527
L OS G31 P160811 220811-s1.06910.06910.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



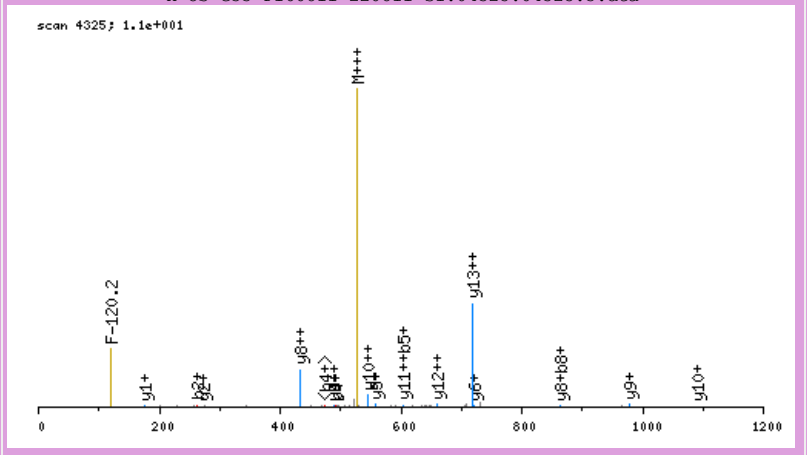
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
257.1501	2	D	12	1231.6283	616.3180
370.2342	3	I	11	1116.6013	**558.8046**
457.2662	4	S	10	1003.5172	502.2625
586.3088	5	E	9	916.4852	**458.7465**
699.3929	6	L	8	787.4426	394.2252
813.4358	7	N	7	674.3586	337.6832
914.4835	8	T	6	**560.3156**	**280.6617**
1013.5519	9	V	5	**459.2680**	**230.1379**
1070.5733	10	G	4	**360.1995**	180.6037
1141.6105	11	A	3	303.1781	152.0930
1198.6319	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

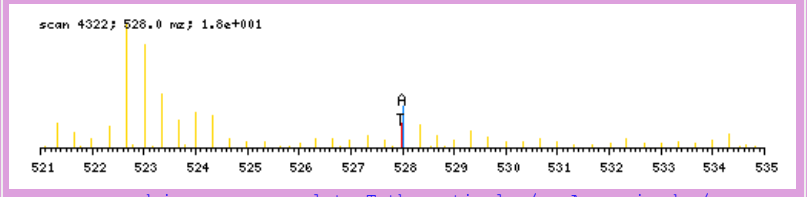
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDLDLDSGKSTPPR, MH+ 1581.9124, m/z 527.9757
H OS G33 P160811 220811-s1.04325.04325.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



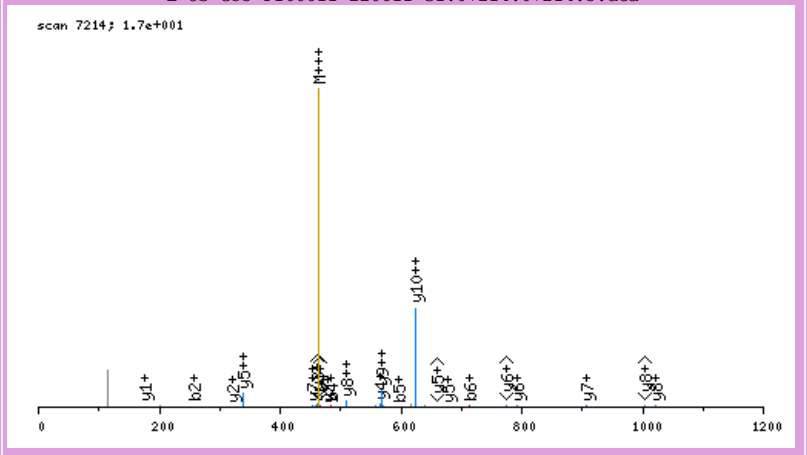
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1434.7653	**717.8866**
376.2660	3	L	12	1319.7383	**660.3731**
491.2929	4	D	11	1206.6543	**603.8311**
604.3770	5	L	10	**1091.6273**	**546.3176**
719.4039	6	D	9	**978.5433**	**489.7755**
806.4359	7	S	8	**863.5163**	**432.2621**
863.4574	8	G	7	776.4843	388.7461
1025.6155	9	K	6	**719.4628**	360.2353
1112.6475	10	S	5	**557.3047**	279.1563
1213.6952	11	T	4	470.2727	235.6403
1310.7480	12	P	3	369.2250	185.1164
1407.8007	13	P	2	**272.1723**	136.5900
	14	R	1	**175.1195**	88.0637

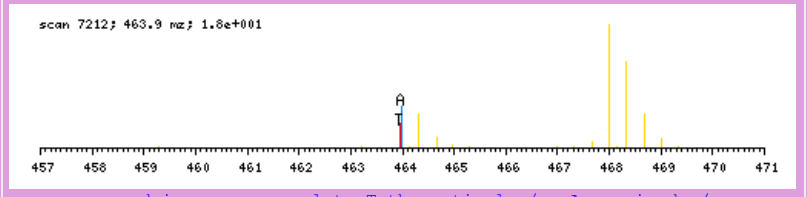
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDLNLDLSKFR, MH+ 1389.8106, m/z 463.9417
L OS G33 P160811 220811-s1.07214.07214.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



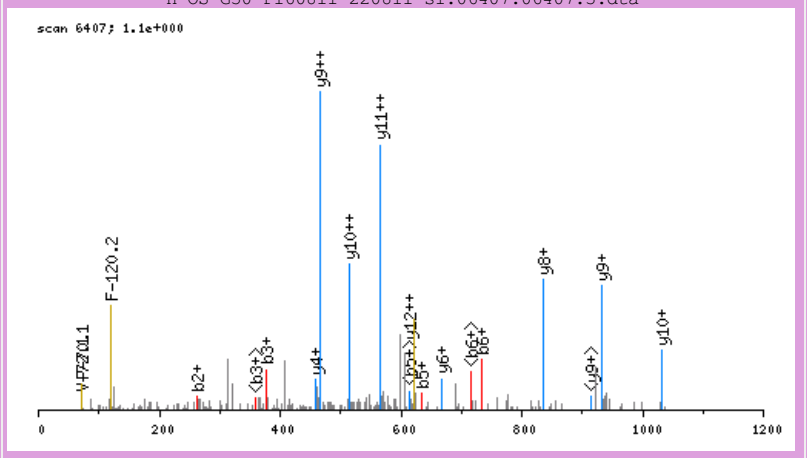
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	11		
257.1501	2	D	10	1248.6952	624.8515
370.2342	3	L	9	1133.6683	567.3381
484.2771	4	N	8	1020.5842	510.7960
597.3612	5	L	7	906.5413	453.7746
712.3881	6	D	6	793.4573	397.2325
825.4722	7	L	5	678.4303	339.7191
912.5042	8	S	4	565.3462	283.1770
1068.6305	9	K	3	478.3142	239.6610
1215.6989	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

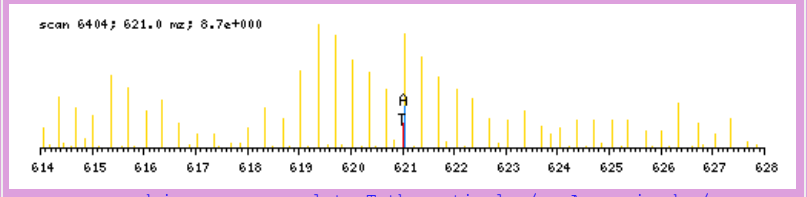
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDLPCTPPPPAPIPSVR, MH+ 1861.0469, m/z 621.0205
H OS G30 P160811 220811-s1.06407.06407.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



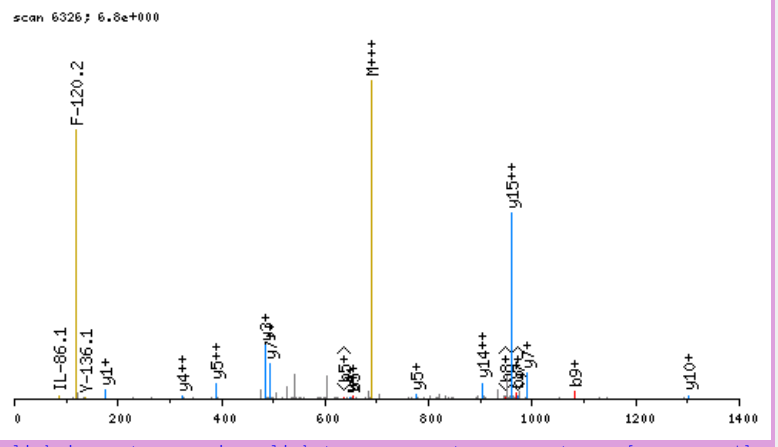
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
263.1819	2	D	16	1713.8998	857.4538
376.2660	3	L	15	1598.8728	799.9403
473.3187	4	P	14	1485.7887	743.3983
633.3493	5	C	13	1388.7360	694.8719
734.3970	6	T	12	1228.7054	**614.8566**
831.4498	7	P	11	1127.6577	**564.3328**
928.5025	8	P	10	**1030.6049**	**515.8064**
1025.5553	9	P	9	**933.5522**	**467.2800**
1122.6081	10	P	8	**836.4994**	418.7536
1193.6452	11	A	7	739.4466	370.2272
1290.6979	12	P	6	**668.4095**	334.7087
1403.7820	13	I	5	571.3568	286.1823
1500.8348	14	P	4	**458.2727**	229.6403
1587.8668	15	S	3	361.2199	181.1139
1686.9352	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

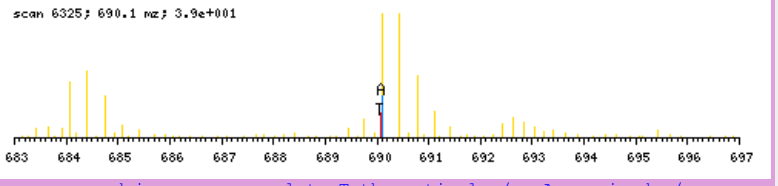
N-term:+35.07 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDNNKISNIPDEYFKR, MH+ 2068.1928, m/z 690.0691
H OS G34 P160811 220811-s1.06326.06326.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



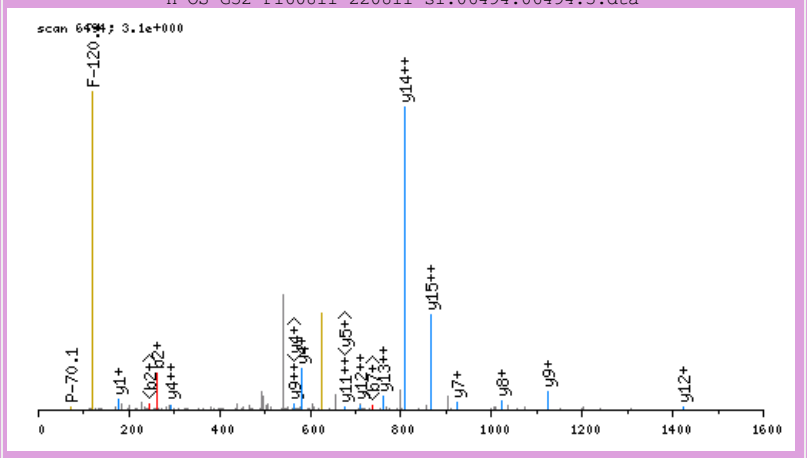
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
263.1819	2	D	15	1921.0456	**961.0267**
377.2248	3	N	14	1806.0187	**903.5133**
491.2678	4	N	13	1691.9758	846.4918
653.4259	5	K	12	1577.9328	789.4703
766.5099	6	I	11	1415.7747	708.3913
853.5420	7	S	10	**1302.6907**	651.8492
967.5849	8	N	9	1215.6586	608.3332
1080.6689	9	I	8	1101.6157	551.3118
1177.7217	10	P	7	**988.5316**	**494.7697**
1292.7487	11	D	6	891.4789	446.2434
1421.7912	12	E	5	**776.4519**	**388.7299**
1584.8546	13	Y	4	**647.4093**	**324.2086**
1731.9230	14	F	3	**484.3460**	242.6769
1894.0811	15	K	2	337.2776	169.1427
	16	R	1	**175.1195**	88.0637

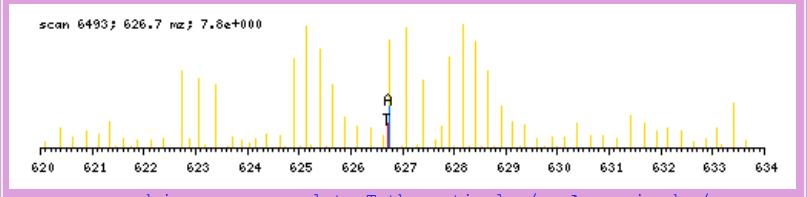
N-term:+35.07 K(5):+162.16
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDPPALLTTEVDKLER, MH+ 1878.1224, m/z 626.7123
H OS G32 P160811 220811-s1.06494.06494.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



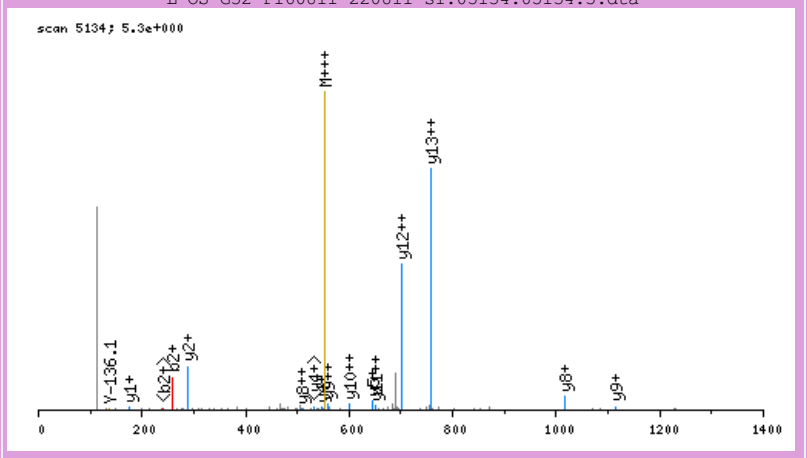
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
263.1819	2	D	15	1730.9753	865.9916
360.2347	3	P	14	1615.9483	808.4781
457.2874	4	P	13	1518.8956	759.9517
528.3245	5	A	12	1421.8428	711.4253
641.4086	6	L	11	1350.8057	675.9068
754.4927	7	L	10	1237.7216	619.3647
855.5404	8	T	9	1124.6376	562.8227
956.5880	9	T	8	1023.5899	512.2989
1085.6306	10	E	7	922.5422	461.7750
1184.6990	11	V	6	793.4996	397.2537
1299.7260	12	D	5	694.4312	347.7195
1461.8841	13	K	4	579.4043	290.2060
1574.9681	14	L	3	417.2462	209.1270
1704.0107	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

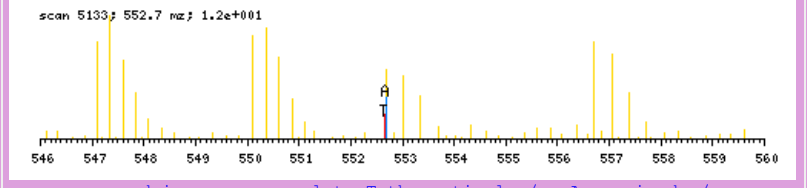
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDPTSVTLKPMEIR, MH+ 1655.9406, m/z 552.6517
L OS G32 P160811 220811-s1.05134.05134.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



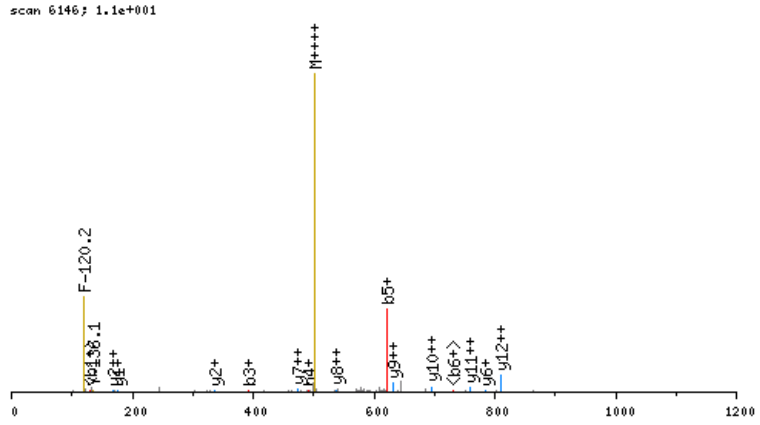
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
257.1501	2	D	13	1514.8253	757.9166
354.2029	3	P	12	1399.7983	700.4031
455.2505	4	T	11	1302.7456	651.8767
542.2826	5	S	10	1201.6979	601.3529
641.3510	6	V	9	1114.6659	557.8368
742.3987	7	T	8	1015.5974	508.3026
855.4827	8	L	7	914.5498	457.7788
1011.6090	9	K	6	801.4657	401.2368
1108.6618	10	P	5	645.3394	323.1736
1239.7023	11	M	4	548.2866	274.6472
1368.7449	12	E	3	417.2462	209.1270
1481.8289	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

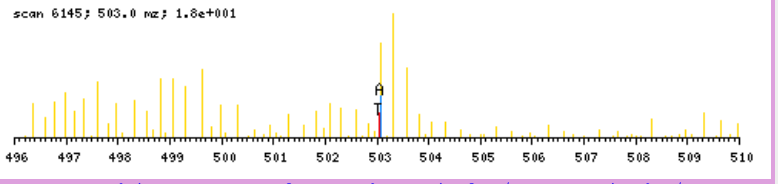
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDQTEQWEKFGIEKR, MH+ 2009.1557, m/z 503.0444
H OS G34 P160811 220811-s1.06146.06146.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



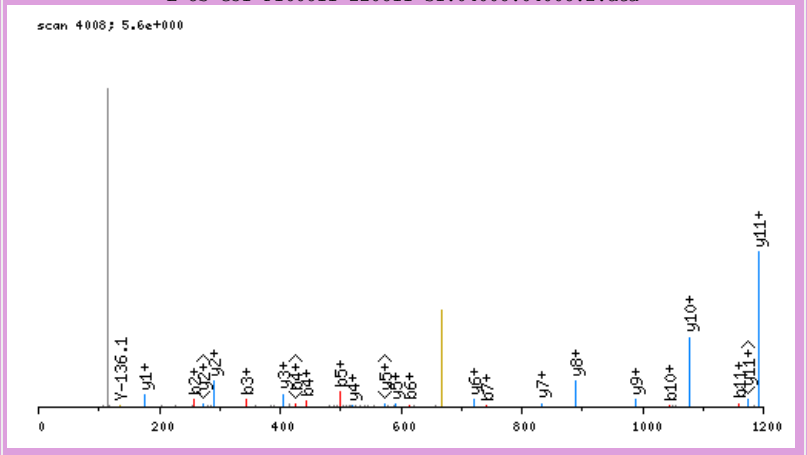
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
263.1819	2	D	14	1862.0085	931.5082
391.2405	3	Q	13	1746.9816	873.9947
492.2882	4	T	12	1618.9230	**809.9654**
621.3308	5	E	11	1517.8753	**759.4416**
749.3893	6	Q	10	1388.8327	**694.9203**
935.4686	7	W	9	1260.7741	**630.8910**
1064.5112	8	E	8	1074.6948	**537.8513**
1226.6693	9	K	7	945.6522	**473.3300**
1373.7378	10	F	6	**783.4941**	392.2510
1430.7592	11	G	5	636.4257	318.7168
1543.8433	12	I	4	579.4043	290.2060
1672.8859	13	E	3	466.3202	233.6640
1835.0440	14	K	2	**337.2776**	**169.1427**
	15	R	1	**175.1195**	88.0637

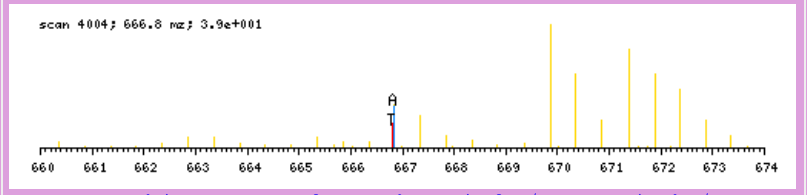
N-term:+35.07 K(9):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDSVGIEADDDR, MH+ 1332.6283, m/z 666.8178
L OS G31 P160811 220811-s1.04008.04008.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



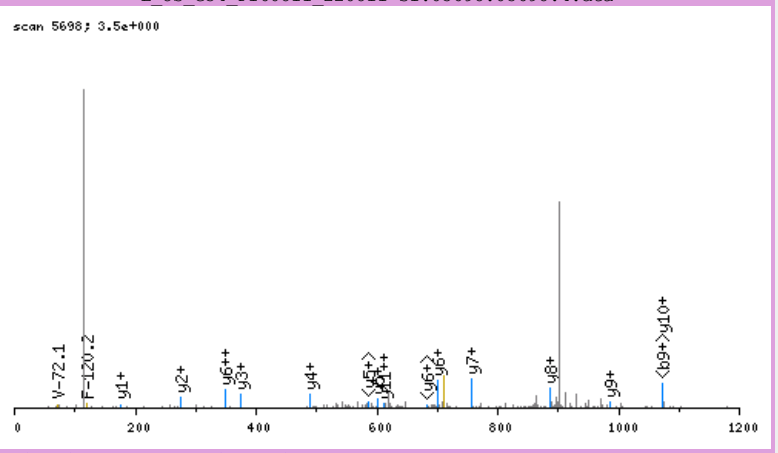
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
257.1501	2	D	11	1191.5130	596.2604
344.1821	3	S	10	1076.4860	538.7469
443.2505	4	V	9	989.4540	495.2309
500.2720	5	G	8	890.3856	445.6967
613.3561	6	I	7	833.3641	417.1860
742.3987	7	E	6	720.2800	360.6439
813.4358	8	A	5	591.2374	296.1226
928.4627	9	D	4	520.2003	260.6041
1043.4897	10	D	3	405.1734	203.0906
1158.5166	11	D	2	290.1464	145.5771
	12	R	1	175.1195	88.0637

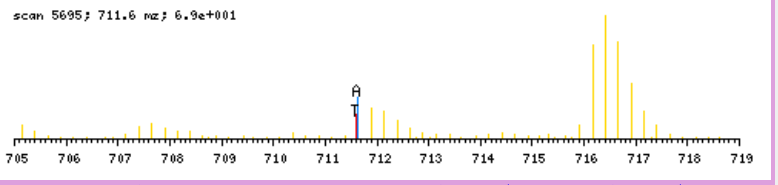
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDTCCKAADKDTCFSTEGPNLVTR, MH+ 2843.3377, m/z 711.5899
L_OS_G34_P160811_220811-s1.05698.05698.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



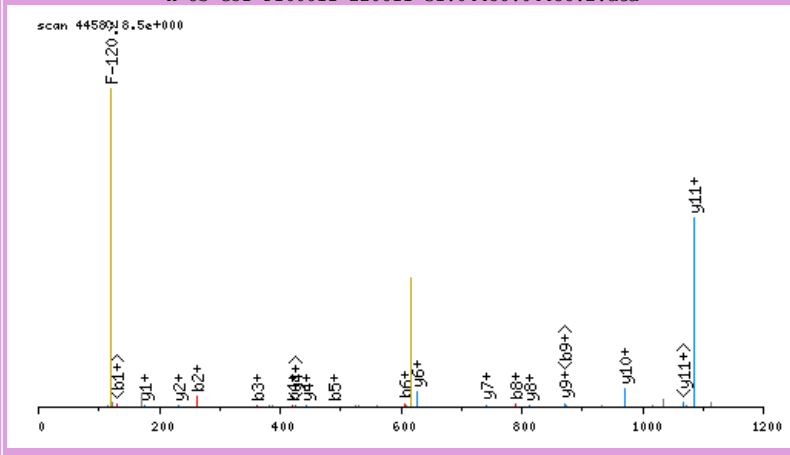
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	24		
257.1501	2	D	23	2702.2223	1351.6151
358.1978	3	T	22	2587.1954	1294.1016
518.2284	4	C	21	2486.1477	1243.5778
678.2590	5	C	20	2326.1171	1163.5625
834.3853	6	K	19	2166.0865	1083.5472
905.4224	7	A	18	2009.9602	1005.4840
976.4595	8	A	17	1938.9231	969.9655
1091.4865	9	D	16	1867.8860	934.4469
1247.6128	10	K	15	1752.8590	876.9334
1362.6397	11	D	14	1596.7327	798.8703
1463.6874	12	T	13	1481.7058	741.3568
1623.7180	13	C	12	1380.6581	690.8330
1770.7864	14	F	11	1220.6275	**610.8177**
1857.8184	15	S	10	**1073.5591**	537.2835
1958.8661	16	T	9	**986.5271**	493.7675
2087.9087	17	E	8	**885.4794**	443.2436
2144.9302	18	G	7	**756.4368**	378.7223
2241.9829	19	P	6	**699.4153**	**350.2116**
2356.0258	20	N	5	**602.3626**	301.6852
2469.1099	21	L	4	**488.3197**	244.6637
2568.1783	22	V	3	**375.2356**	188.1217
2669.2260	23	T	2	**276.1672**	138.5875
	24	R	1	**175.1195**	88.0637

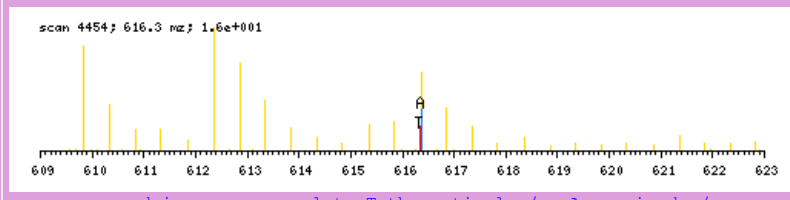
N-term:+29.04 C(4):+160.03
C(5):+160.03 K(6):+156.13
K(10):+156.13 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDVGADGQPLGR, MH+ 1231.6859, m/z 616.3466
H OS G31 P160811 220811-s1.04458.04458.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



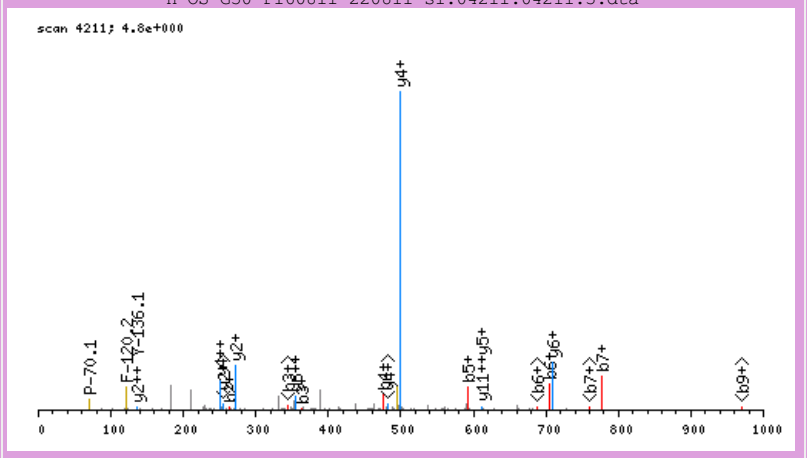
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
263.1819	2	D	11	1084.5387	542.7733
362.2503	3	V	10	969.5118	485.2598
419.2718	4	G	9	870.4434	435.7256
490.3089	5	A	8	813.4219	407.2149
605.3358	6	D	7	742.3848	371.6963
662.3573	7	G	6	627.3578	314.1828
790.4159	8	Q	5	570.3364	285.6721
887.4686	9	P	4	442.2778	221.6428
1000.5527	10	L	3	345.2250	173.1164
1057.5742	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

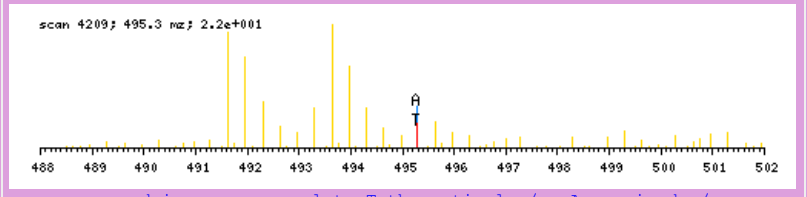
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDVNDNAPIPEPR, MH+ 1483.7969, m/z 495.2705
H_OS_G30_P160811_220811-s1.04211.04211.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



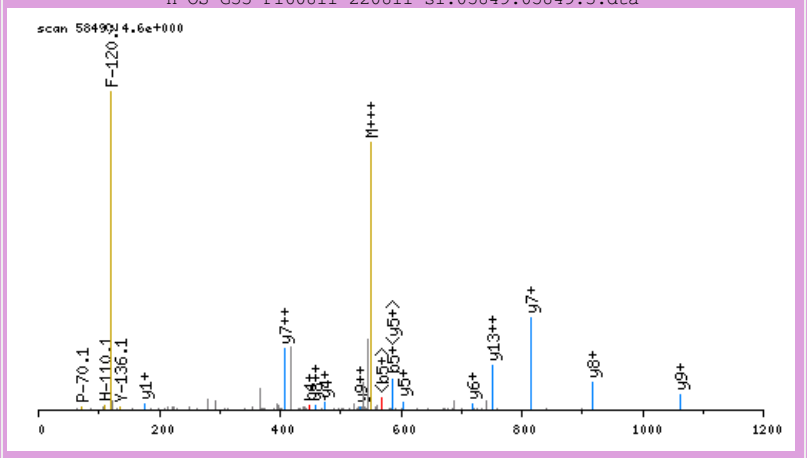
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
263.1819	2	D	12	1336.6497	668.8288
362.2503	3	V	11	1221.6228	**611.3153**
476.2932	4	N	10	1122.5544	561.7811
591.3202	5	D	9	1008.5114	504.7596
705.3631	6	N	8	893.4845	447.2462
776.4002	7	A	7	779.4416	390.2247
873.4530	8	P	6	**708.4044**	**354.7061**
986.5371	9	I	5	**611.3517**	306.1798
1083.5898	10	P	4	**498.2676**	**249.6377**
1212.6324	11	E	3	401.2149	201.1113
1309.6852	12	P	2	**272.1723**	**136.5900**
	13	R	1	175.1195	88.0637

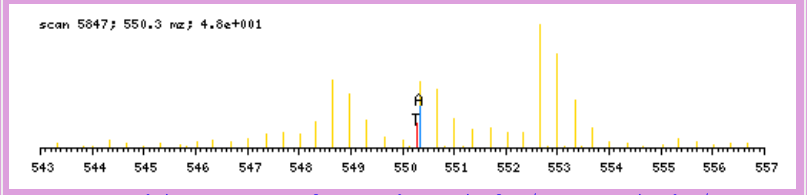
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDVSHFTPDEVTVR, MH+ 1648.8758, m/z 550.2968
H_OS_G33_P160811_220811-s1.05849.05849.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



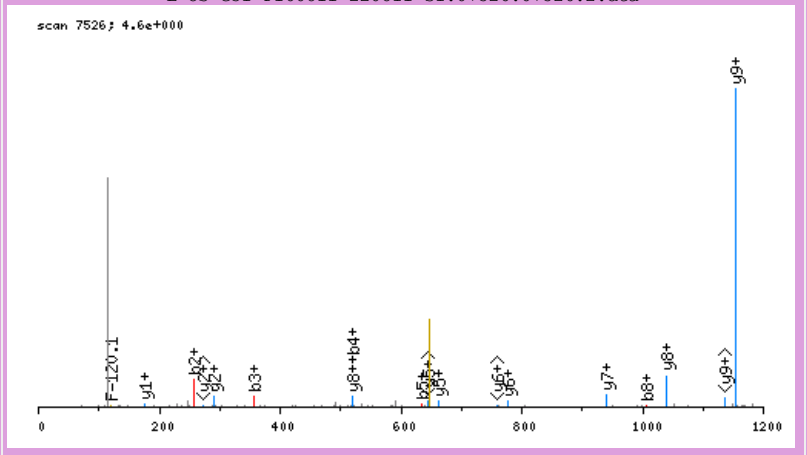
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1501.7287	**751.3683**
362.2503	3	V	12	1386.7018	693.8548
449.2823	4	S	11	1287.6333	644.3206
586.3413	5	H	10	1200.6013	600.8046
733.4097	6	F	9	**1063.5424**	**532.2751**
834.4574	7	T	8	**916.4740**	**458.7409**
931.5101	8	P	7	**815.4263**	**408.2171**
1046.5371	9	D	6	**718.3735**	359.6907
1175.5797	10	E	5	**603.3466**	302.1772
1274.6481	11	V	4	**474.3040**	237.6559
1375.6957	12	T	3	375.2356	188.1217
1474.7642	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

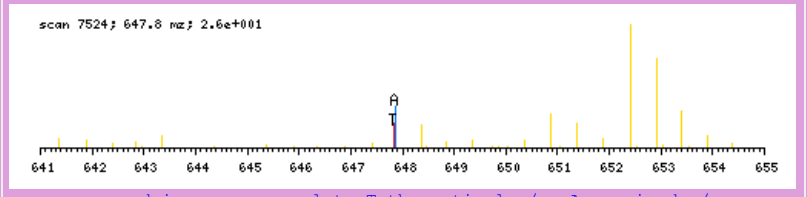
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDVYNPFENR, MH+ 1294.6432, m/z 647.8252
L OS G31 P160811 220811-s1.07526.07526.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



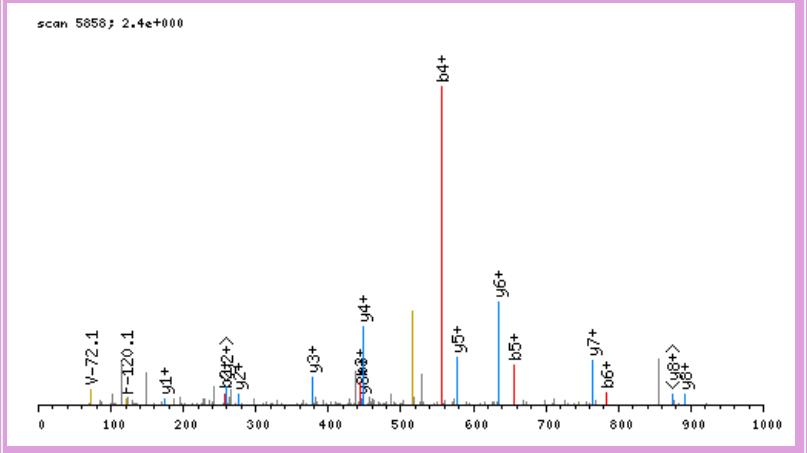
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	10		
257.1501	2	D	9	1153.5278	577.2678
356.2185	3	V	8	1038.5009	519.7543
519.2818	4	Y	7	939.4325	470.2201
633.3248	5	N	6	776.3691	388.6885
730.3775	6	P	5	662.3262	331.6670
877.4460	7	F	4	565.2734	283.1406
1006.4885	8	E	3	418.2050	209.6064
1120.5315	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

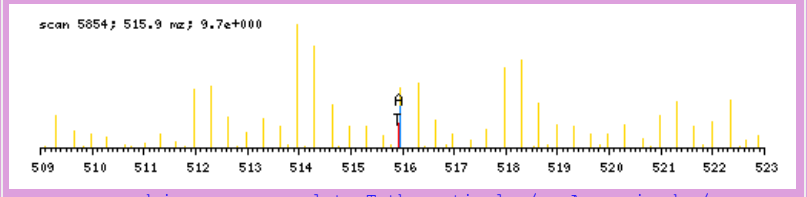
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDWLVQEGEATTR, MH+ 1545.7913, m/z 515.9353
L OS G30 P160811 220811-s1.05858.05858.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



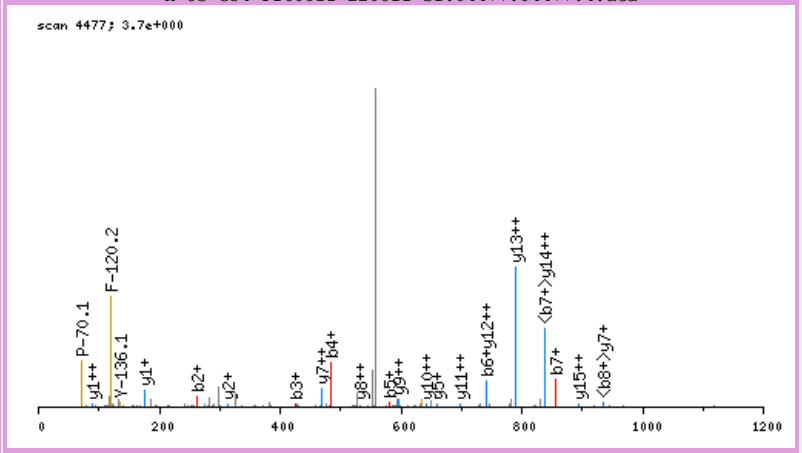
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
257.1501	2	D	12	1404.6759	702.8419
443.2294	3	W	11	1289.6490	645.3284
556.3135	4	L	10	1103.5697	552.2888
655.3819	5	V	9	990.4856	495.7467
783.4405	6	Q	8	891.4172	446.2125
912.4831	7	E	7	763.3586	382.1832
969.5045	8	G	6	634.3160	317.6619
1098.5471	9	E	5	577.2946	289.1512
1169.5842	10	A	4	448.2520	224.6299
1270.6319	11	T	3	377.2149	189.1113
1371.6796	12	T	2	276.1672	138.5875
	13	R	1	175.1195	88.0637

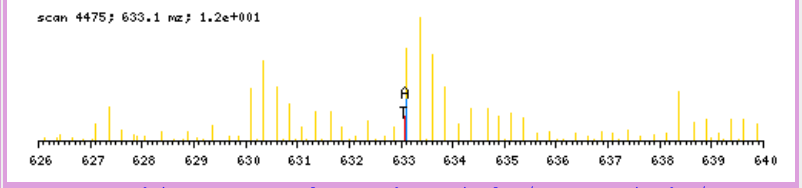
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDYGPCDPPSNSQELKGQYHR, MH+ 2529.2468, m/z 633.0672
H OS G34 P160811 220811-s1.04477.04477.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



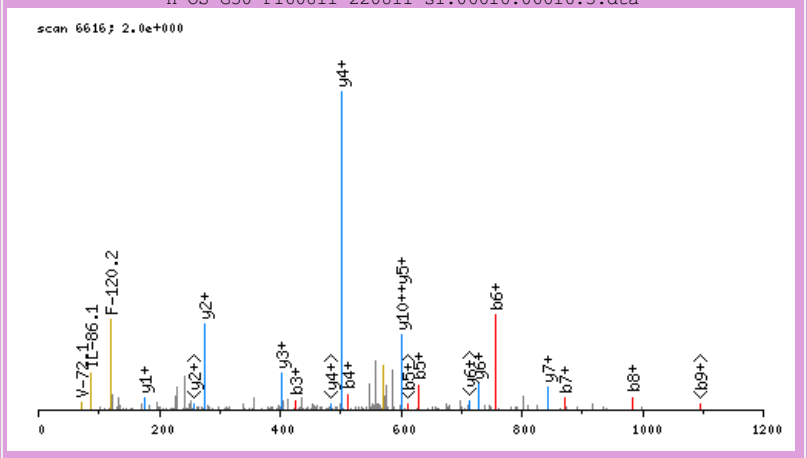
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	21		
263.1819	2	D	20	2382.0997	1191.5537
426.2452	3	Y	19	2267.0727	1134.0403
483.2667	4	G	18	2104.0094	1052.5086
580.3195	5	P	17	2046.9879	1023.9979
740.3501	6	C	16	1949.9352	975.4715
855.3770	7	D	15	1789.9046	**895.4562**
952.4298	8	P	14	1674.8776	**837.9427**
1049.4825	9	P	13	1577.8249	**789.4163**
1136.5146	10	S	12	1480.7721	**740.8900**
1250.5575	11	N	11	1393.7401	**697.3739**
1337.5895	12	S	10	1279.6971	**640.3525**
1465.6481	13	Q	9	1192.6651	**596.8365**
1594.6907	14	E	8	1064.6065	**532.8072**
1707.7748	15	L	7	**935.5639**	**468.2859**
1869.9329	16	K	6	822.4799	411.7439
1926.9543	17	G	5	**660.3218**	330.6648
2055.0129	18	Q	4	603.3003	302.1541
2218.0762	19	Y	3	475.2417	238.1248
2355.1351	20	H	2	**312.1784**	156.5931
	21	R	1	**175.1195**	**88.0637**

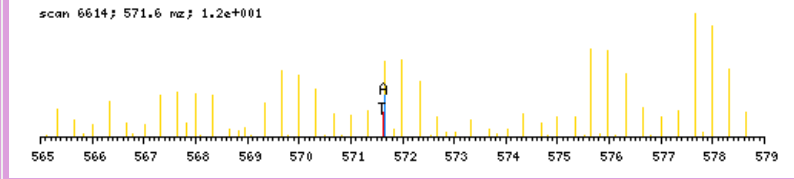
N-term:+35.07 C(6):+160.03
K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LDYSDEINQVVEVR, MH+ 1712.8919, m/z 571.6355
H OS G30 P160811 220811-s1.06616.06616.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



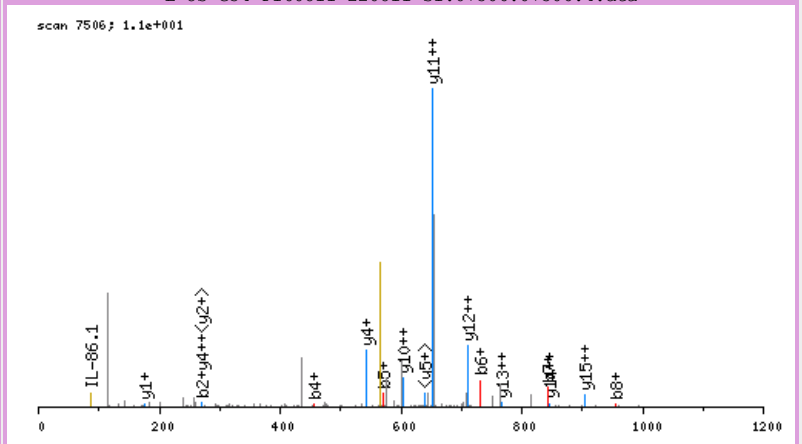
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1565.7447	783.3763
426.2452	3	Y	12	1450.7178	725.8628
513.2773	4	S	11	1287.6545	644.3311
628.3042	5	D	10	1200.6224	**600.8151**
757.3468	6	E	9	1085.5955	543.3017
870.4309	7	I	8	956.5529	478.7804
984.4738	8	N	7	**843.4688**	422.2383
1112.5324	9	Q	6	**729.4259**	365.2169
1211.6008	10	V	5	**601.3673**	301.1876
1310.6692	11	V	4	**502.2989**	251.6534
1439.7118	12	E	3	**403.2305**	202.1192
1538.7802	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	88.0637

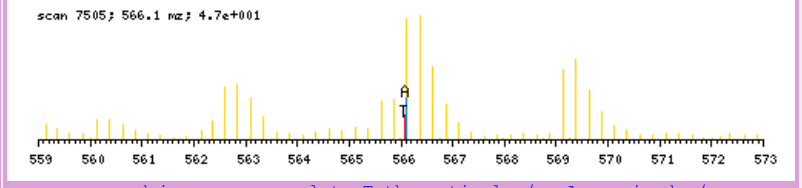
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LEALDCILPPTRPTDKPLR, MH+ 2261.2691, m/z 566.0727
L OS G34 P160811 220811-s1.07506.07506.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



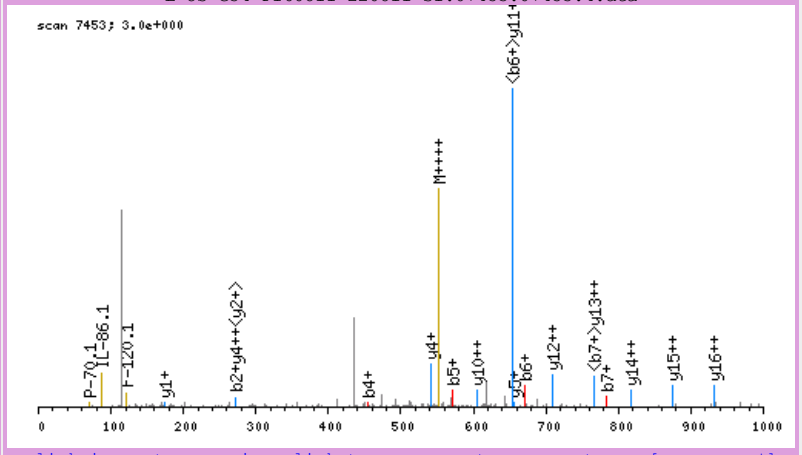
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	19		
271.1658	2	E	18	2120.1538	1060.5808
342.2029	3	A	17	1991.1112	996.0595
455.2869	4	L	16	1920.0741	960.5409
570.3139	5	D	15	1806.9900	**903.9989**
730.3445	6	C	14	1691.9631	**846.4854**
843.4285	7	I	13	1531.9325	**766.4701**
956.5126	8	L	12	1418.8484	**709.9281**
1053.5654	9	P	11	1305.7643	**653.3861**
1150.6181	10	P	10	1208.7116	**604.8597**
1251.6658	11	T	9	1111.6588	556.3333
1407.7669	12	R	8	1010.6111	505.8095
1504.8197	13	P	7	854.5100	427.7589
1605.8674	14	T	6	757.4573	379.2325
1720.8943	15	D	5	656.4096	328.7087
1877.0206	16	K	4	**541.3826**	**271.1952**
1974.0734	17	P	3	385.2563	193.1321
2087.1574	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

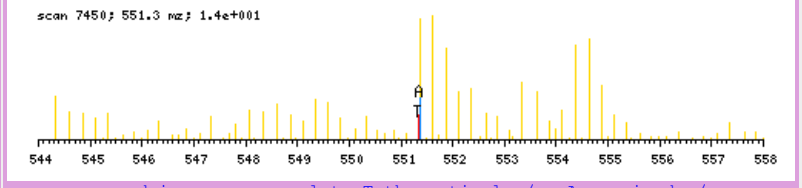
N-term:+29.04 C(6):+160.03
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LEALDTILPPTRPTDKPLR, MH+ 2202.2862, m/z 551.3270
L OS G34 P160811 220811-s1.07453.07453.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



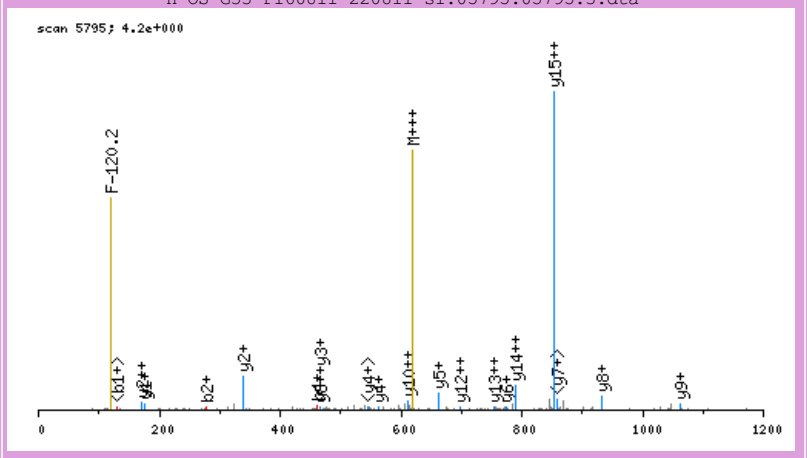
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	19		
271.1658	2	E	18	2061.1709	1031.0893
342.2029	3	A	17	1932.1283	966.5680
455.2869	4	L	16	1861.0911	**931.0495**
570.3139	5	D	15	1748.0071	**874.5075**
671.3616	6	T	14	1632.9801	**816.9940**
784.4456	7	I	13	1531.9325	**766.4701**
897.5297	8	L	12	1418.8484	**709.9281**
994.5824	9	P	11	1305.7643	**653.3861**
1091.6352	10	P	10	1208.7116	**604.8597**
1192.6829	11	T	9	1111.6588	556.3333
1348.7840	12	R	8	1010.6111	505.8095
1445.8368	13	P	7	854.5100	427.7589
1546.8844	14	T	6	757.4573	379.2325
1661.9114	15	D	5	**656.4096**	328.7087
1818.0377	16	K	4	**541.3826**	**271.1952**
1915.0905	17	P	3	385.2563	193.1321
2028.1745	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

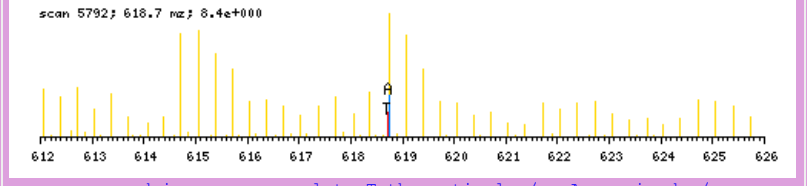
N-term:+29.04 K(16):+156.13

LEALGIKEGTIPPEYR, MH+ 1854.1013, m/z 618.7053
H OS G33 P160811 220811-s1.05795.05795.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



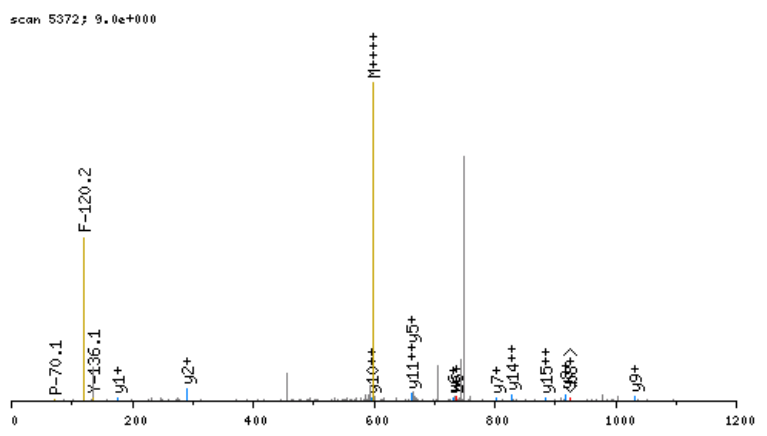
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
277.1976	2	E	15	1706.9541	**853.9810**
348.2347	3	A	14	1577.9116	**789.4597**
461.3187	4	L	13	1506.8744	**753.9411**
518.3402	5	G	12	1393.7904	**697.3991**
631.4243	6	I	11	1336.7689	668.8884
793.5824	7	K	10	1223.6848	**612.3463**
922.6250	8	E	9	**1061.5267**	531.2673
979.6464	9	G	8	**932.4842**	**466.7460**
1080.6941	10	T	7	875.4627	438.2353
1193.7782	11	I	6	**774.4150**	387.7114
1290.8309	12	P	5	**661.3310**	331.1694
1387.8837	13	P	4	**564.2782**	282.6430
1516.9263	14	E	3	**467.2254**	234.1166
1679.9896	15	Y	2	**338.1828**	**169.5953**
	16	R	1	**175.1195**	88.0637

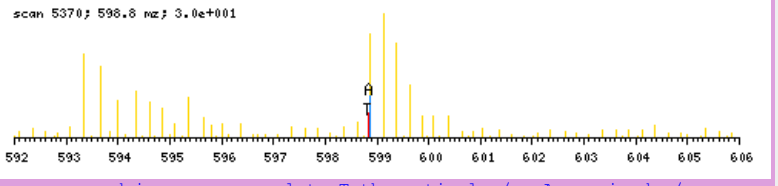
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LEANKIGFEEKDIAANEENR, MH+ 2392.3209, m/z 598.8357
H OS G34 P160811 220811-s1.05372.05372.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



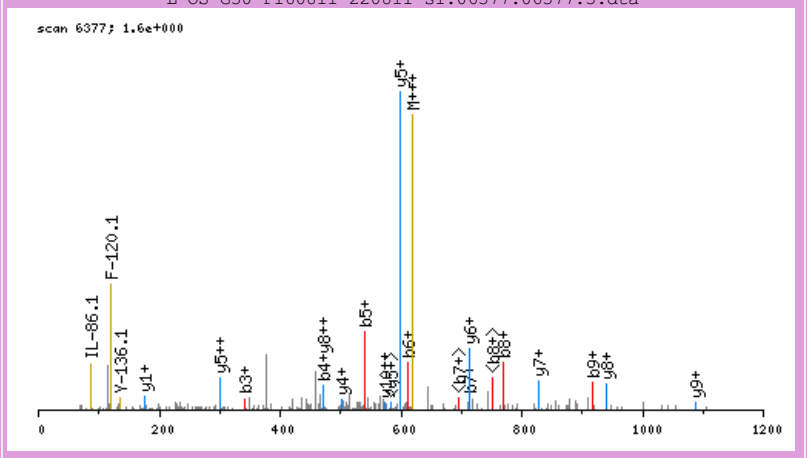
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	20		
277.1976	2	E	19	2245.1737	1123.0908
348.2347	3	A	18	2116.1311	1058.5695
462.2776	4	N	17	2045.0940	1023.0509
624.4357	5	K	16	1931.0511	966.0295
737.5198	6	I	15	1768.8930	**884.9504**
794.5412	7	G	14	1655.8089	**828.4084**
941.6096	8	F	13	1598.7875	799.8977
1070.6522	9	E	12	1451.7191	726.3634
1199.6948	10	E	11	1322.6765	**661.8421**
1361.8529	11	K	10	1193.6339	**597.3209**
1476.8799	12	D	9	**1031.4758**	516.2418
1589.9639	13	I	8	**916.4488**	458.7283
1661.0010	14	A	7	**803.3648**	402.1863
1732.0382	15	A	6	**732.3277**	366.6677
1846.0811	16	N	5	**661.2905**	331.1492
1975.1237	17	E	4	547.2476	274.1277
2104.1663	18	E	3	418.2050	209.6064
2218.2092	19	N	2	**289.1624**	145.0851
	20	R	1	**175.1195**	88.0637

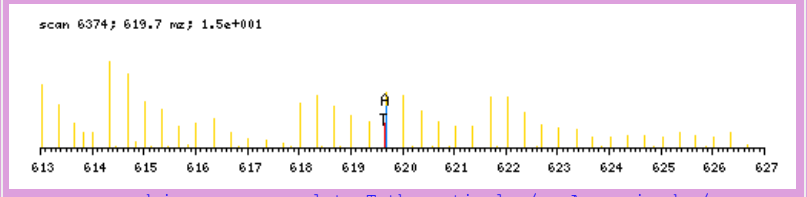
N-term:+35.07 K(5):+162.16
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEAQAATGFIIDPVNNR, MH+ 1856.9870, m/z 619.6672
L OS G30 P160811 220811-s1.06377.06377.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



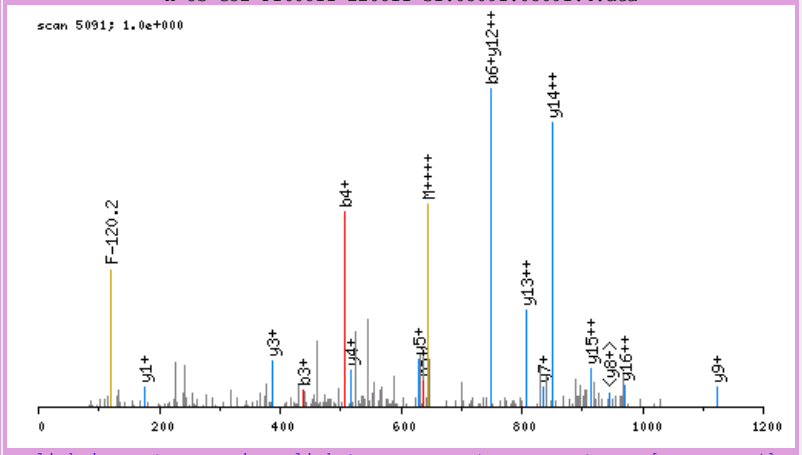
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
271.1658	2	E	16	1715.8717	858.4397
342.2029	3	A	15	1586.8291	793.9185
470.2614	4	Q	14	1515.7920	758.3999
541.2986	5	A	13	1387.7334	694.3706
612.3357	6	A	12	1316.6963	658.8520
713.3834	7	T	11	1245.6592	623.3335
770.4048	8	G	10	1144.6115	**572.8097**
917.4732	9	F	9	**1087.5900**	544.2989
1030.5573	10	I	8	**940.5216**	**470.7647**
1143.6414	11	I	7	**827.4375**	414.2227
1258.6683	12	D	6	**714.3535**	357.6807
1355.7211	13	P	5	**599.3265**	**300.1672**
1454.7895	14	V	4	**502.2738**	251.6408
1568.8324	15	N	3	403.2054	202.1066
1682.8753	16	N	2	289.1624	145.0851
	17	R	1	**175.1195**	88.0637

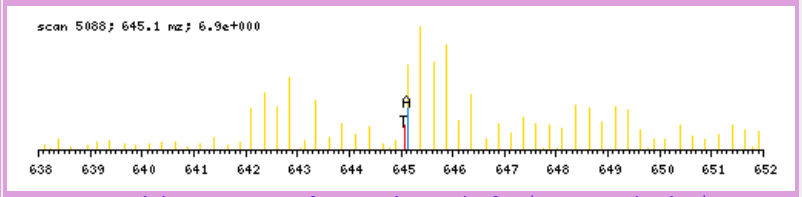
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LECAQNQSDVKLCEGFNEVLR, MH+ 2577.3076, m/z 645.0824
H OS G32 P160811 220811-s1.05091.05091.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

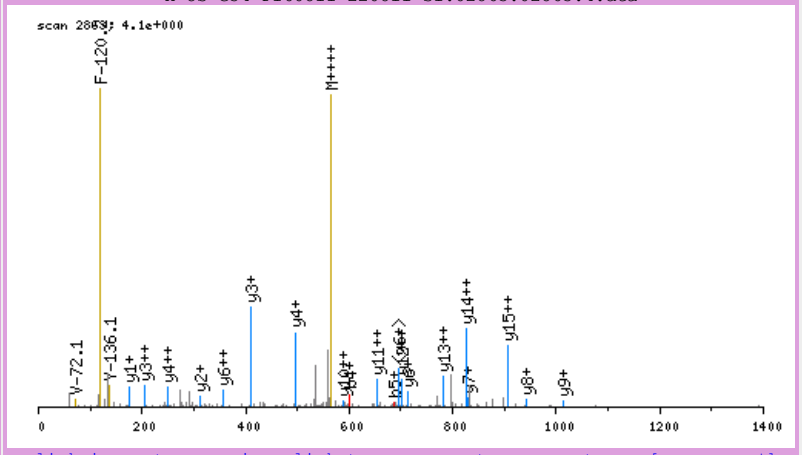


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

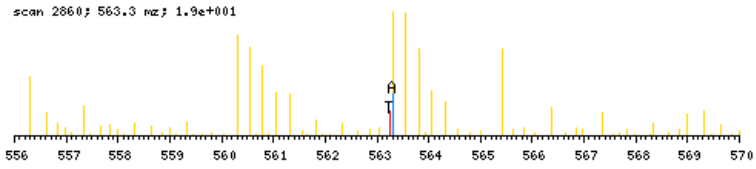
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	21		
277.1976	2	E	20	2430.1605	1215.5842
437.2282	3	C	19	2301.1179	1151.0629
508.2653	4	A	18	2141.0873	1071.0476
636.3238	5	Q	17	2070.0502	1035.5290
750.3668	6	N	16	1941.9916	**971.4997**
878.4254	7	Q	15	1827.9487	**914.4783**
965.4574	8	S	14	1699.8901	**850.4490**
1080.4843	9	D	13	1612.8581	**806.9330**
1179.5527	10	V	12	1497.8311	**749.4195**
1341.7108	11	K	11	1398.7627	699.8853
1454.7949	12	L	10	1236.6046	618.8062
1614.8255	13	C	9	**1123.5206**	562.2642
1743.8681	14	E	8	963.4900	482.2489
1800.8896	15	G	7	**834.4474**	417.7276
1947.9580	16	F	6	777.4259	389.2169
2062.0009	17	N	5	**630.3575**	315.6827
2191.0435	18	E	4	**516.3146**	258.6612
2290.1119	19	V	3	**387.2720**	194.1399
2403.1960	20	L	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

N-term:+35.07 C(3):+160.03
K(11):+162.16 C(13):+160.03

LECYSCVQKADDGCSPHR, MH+ 2250.0376, m/z 563.2649
H OS G34 P160811 220811-s1.02863.02863.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

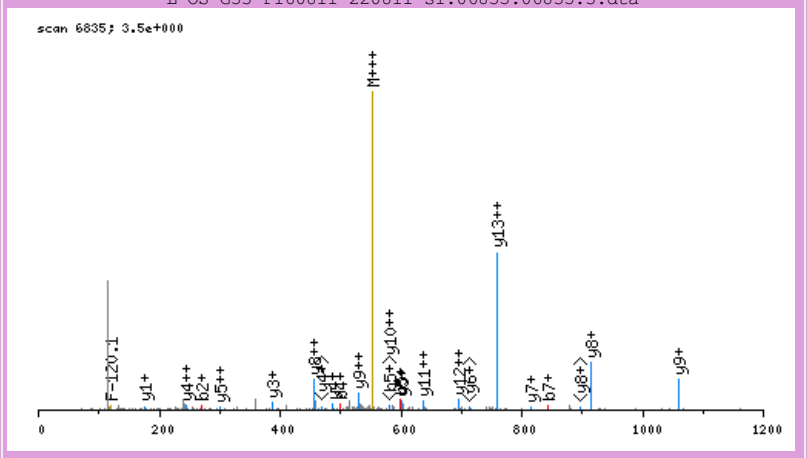
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b+	#	AA	#	y+	y2+
148.1550	1	L	18		
277.1976	2	E	17	2102.8905	1051.9492
437.2282	3	C	16	1973.8479	987.4279
600.2915	4	Y	15	1813.8173	**907.4126**
687.3235	5	S	14	1650.7540	**825.8809**
847.3541	6	C	13	1563.7220	**782.3649**
946.4225	7	V	12	1403.6914	**702.3496**
1074.4811	8	Q	11	1304.6229	**652.8154**
1236.6392	9	K	10	1176.5644	**588.7861**
1307.6763	10	A	9	**1014.4063**	507.7070
1422.7033	11	D	8	**943.3692**	472.1885
1537.7302	12	D	7	**828.3422**	414.6750
1594.7517	13	G	6	**713.3153**	**357.1615**
1754.7823	14	C	5	656.2938	328.6508
1841.8143	15	S	4	**496.2632**	**248.6355**
1938.8671	16	P	3	**409.2312**	**205.1195**
2075.9260	17	H	2	**312.1784**	156.5931
	18	R	1	**175.1195**	88.0637

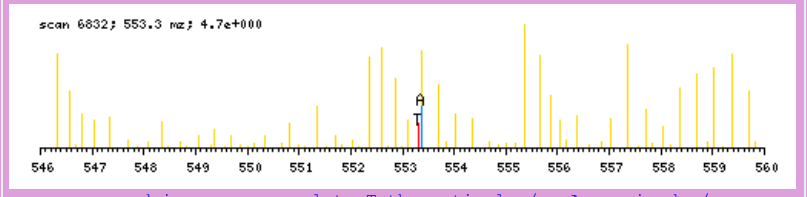
N-term:+35.07 C(3):+160.03
C(6):+160.03 K(9):+162.16
C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEDLVFPSEIVGKR, MH+ 1657.9529, m/z 553.3225
L OS G33 P160811 220811-s1.06835.06835.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



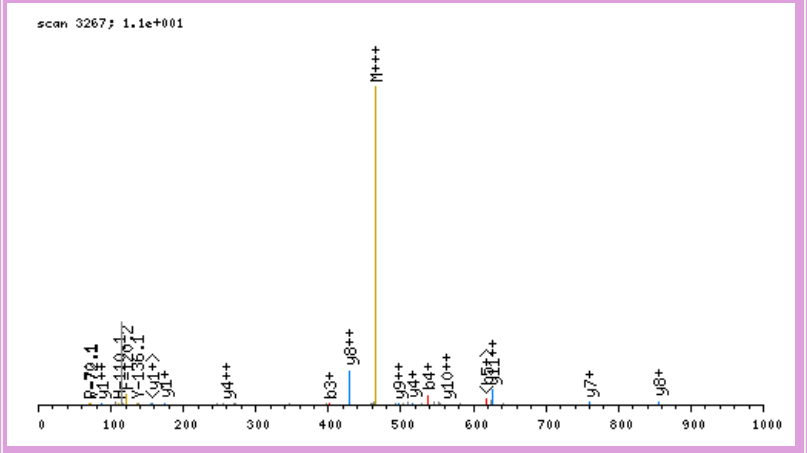
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
271.1658	2	E	13	1516.8376	**758.9227**
386.1927	3	D	12	1387.7950	**694.4014**
499.2768	4	L	11	1272.7680	**636.8879**
598.3452	5	V	10	1159.6840	**580.3459**
745.4136	6	F	9	**1060.6155**	**530.8117**
842.4664	7	P	8	**913.5471**	**457.2775**
929.4984	8	S	7	**816.4944**	408.7511
1058.5410	9	E	6	729.4623	365.2351
1171.6250	10	I	5	**600.4197**	**300.7138**
1270.6935	11	V	4	**487.3357**	**244.1718**
1327.7149	12	G	3	**388.2673**	194.6375
1483.8412	13	K	2	331.2458	166.1268
	14	R	1	**175.1195**	88.0637

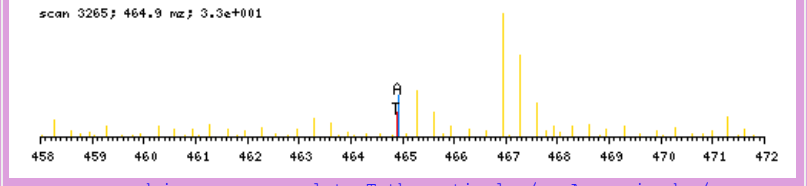
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEEHPGGEEVLR, MH+ 1392.7123, m/z 464.9089
L OS G34 P160811 220811-s1.03267.03267.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



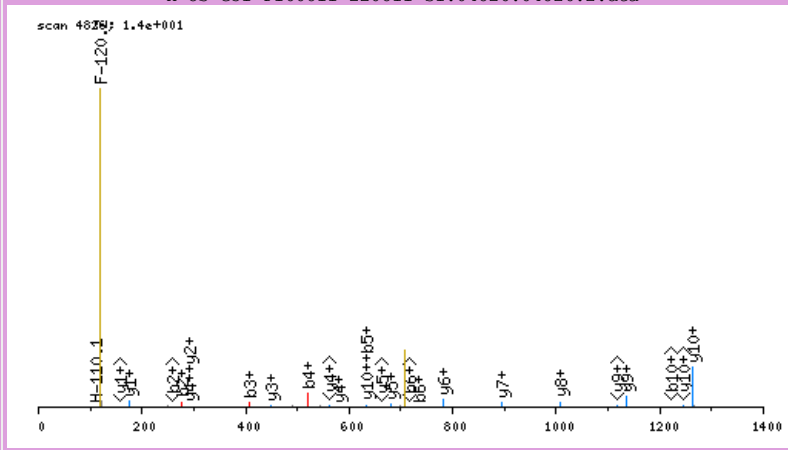
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
271.1658	2	E	11	1251.5970	**626.3024**
400.2084	3	E	10	1122.5544	**561.7811**
537.2673	4	H	9	993.5118	**497.2598**
634.3200	5	P	8	**856.4529**	**428.7303**
691.3415	6	G	7	**759.4001**	380.2040
748.3630	7	G	6	702.3786	351.6932
877.4055	8	E	5	645.3572	323.1825
1006.4481	9	E	4	**516.3146**	**258.6612**
1105.5166	10	V	3	387.2720	194.1399
1218.6006	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	**88.0637**

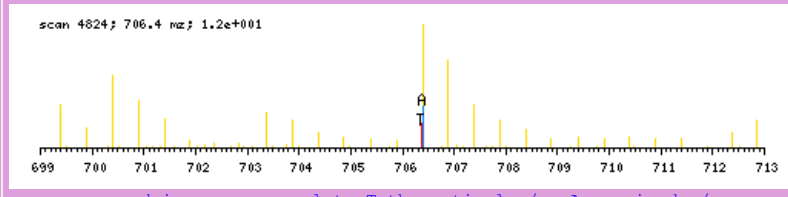
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEELLTTQCDR, MH+ 1411.7314, m/z 706.3694
H OS G31 P160811 220811-s1.04826.04826.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



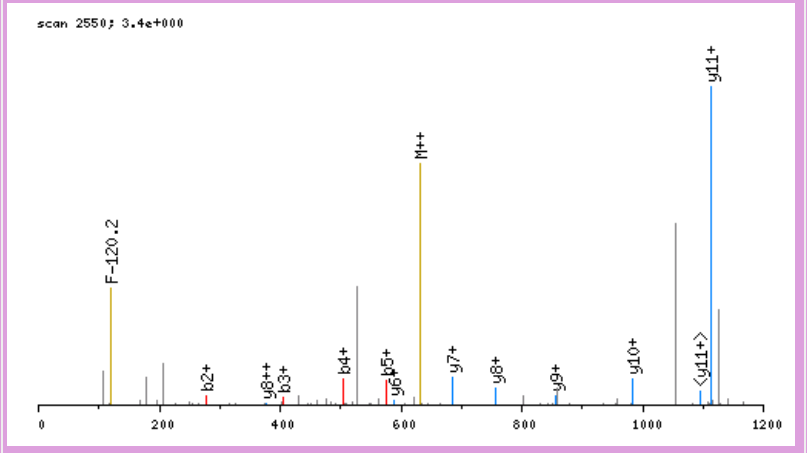
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
277.1976	2	E	10	1264.5843	632.7961
406.2402	3	E	9	1135.5417	568.2748
519.3242	4	L	8	1006.4991	503.7535
632.4083	5	L	7	893.4150	447.2114
733.4560	6	T	6	780.3310	390.6694
834.5036	7	T	5	679.2833	340.1456
962.5622	8	Q	4	578.2356	289.6217
1122.5928	9	C	3	450.1770	225.5924
1237.6198	10	D	2	290.1464	145.5771
	11	R	1	175.1195	88.0637

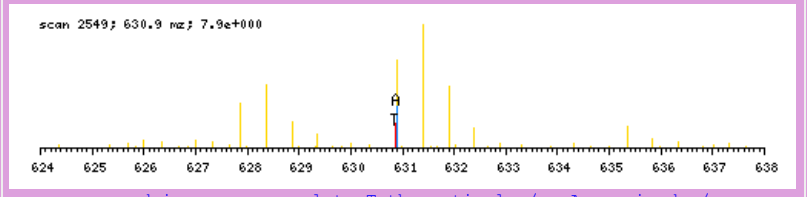
N-term:+35.07 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEEVAPPASGTR, MH+ 1260.7012, m/z 630.8542
H OS G30 P160811 220811-s1.02550.02550.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



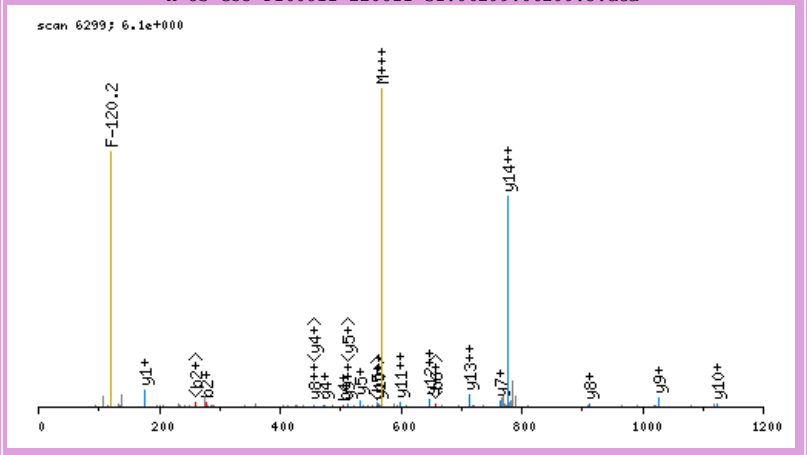
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
277.1976	2	E	11	1113.5540	557.2809
406.2402	3	E	10	984.5114	492.7596
505.3086	4	V	9	855.4688	428.2383
576.3457	5	A	8	756.4004	378.7041
673.3984	6	P	7	685.3633	343.1856
770.4512	7	P	6	588.3105	294.6592
841.4883	8	A	5	491.2578	246.1328
928.5203	9	S	4	420.2207	210.6142
985.5418	10	G	3	333.1886	167.0982
1086.5895	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

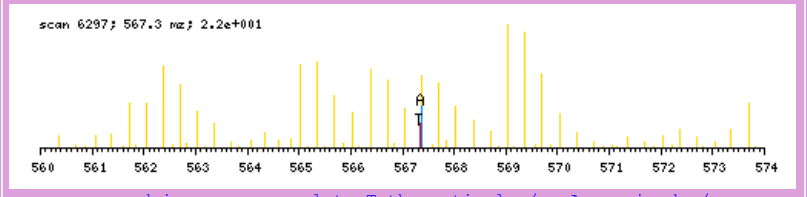
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEEVAVNFAKGLADR, MH+ 1700.0019, m/z 567.3388
H OS G33 P160811 220811-s1.06299.06299.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

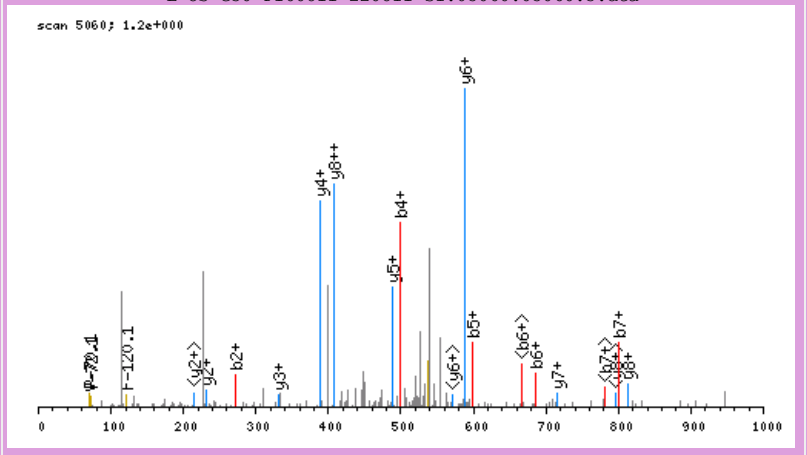


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

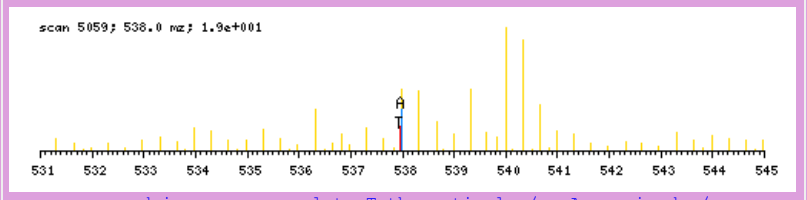
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
277.1976	2	E	14	1552.8548	**776.9313**
406.2402	3	E	13	1423.8122	**712.4100**
505.3086	4	V	12	1294.7696	**647.8887**
576.3457	5	A	11	1195.7012	**598.3545**
675.4141	6	V	10	**1124.6641**	**562.8359**
789.4570	7	N	9	**1025.5956**	**513.3017**
936.5254	8	F	8	**911.5527**	**456.2803**
1007.5625	9	A	7	**764.4843**	382.7461
1169.7206	10	K	6	693.4472	347.2275
1226.7421	11	G	5	**531.2891**	266.1485
1339.8262	12	L	4	**474.2676**	237.6377
1410.8633	13	A	3	361.1836	181.0957
1525.8902	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

N-term:+35.07 K(10):+162.16

LEIDVSNPQTVGVGR, MH+ 1611.8706, m/z 537.9617
L OS G30 P160811 220811-s1.05060.05060.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

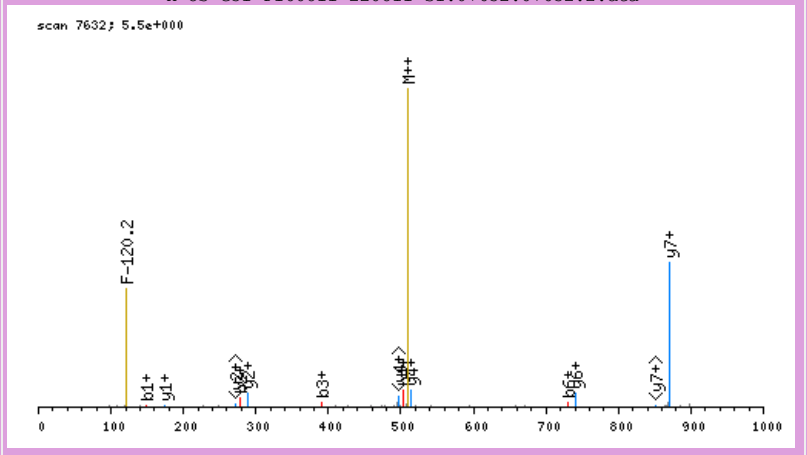
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	15		
271.1658	2	E	14	1470.7552	735.8815
384.2498	3	I	13	1341.7127	671.3602
499.2768	4	D	12	1228.6286	614.8182
598.3452	5	V	11	1113.6016	557.3047
685.3772	6	S	10	1014.5332	507.7705
799.4201	7	N	9	927.5012	464.2545
896.4729	8	P	8	**813.4583**	**407.2331**
1024.5315	9	Q	7	**716.4055**	358.7067
1125.5792	10	T	6	**588.3469**	294.6774
1224.6476	11	V	5	**487.2993**	244.1535
1281.6690	12	G	4	**388.2308**	194.6193
1380.7374	13	V	3	**331.2094**	166.1086
1437.7589	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

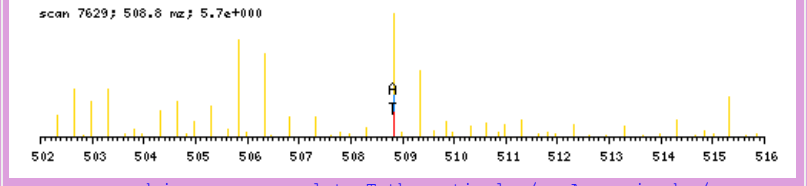
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LELIPELR, MH+ 1016.6568, m/z 508.8320
H OS G31 P160811 220811-s1.07632.07632.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



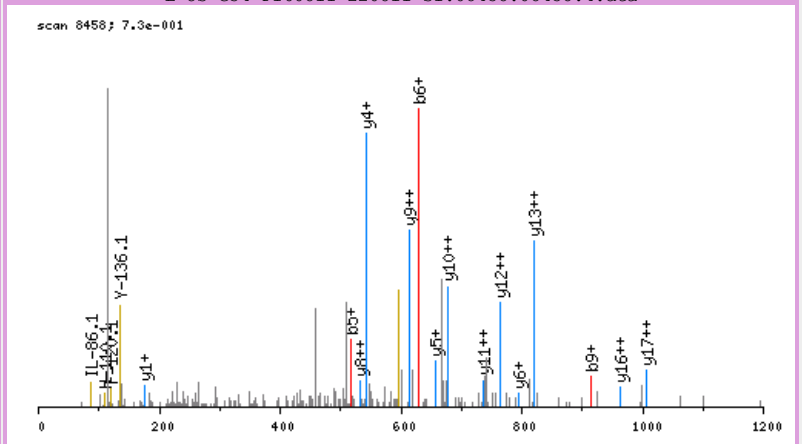
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	8		
277.1976	2	E	7	869.5096	435.2587
390.2816	3	L	6	740.4670	370.7374
503.3657	4	I	5	627.3830	314.1954
600.4184	5	P	4	514.2989	257.6534
729.4610	6	E	3	417.2462	209.1270
842.5451	7	L	2	288.2036	144.6057
	8	R	1	175.1195	88.0637

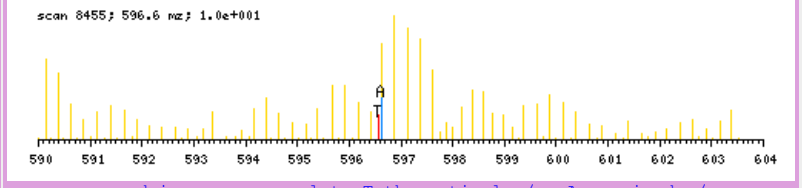
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LETSGNLDGLEYKLHDFGYR, MH+ 2383.1934, m/z 596.5538
L OS G34 P160811 220811-s1.08458.08458.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



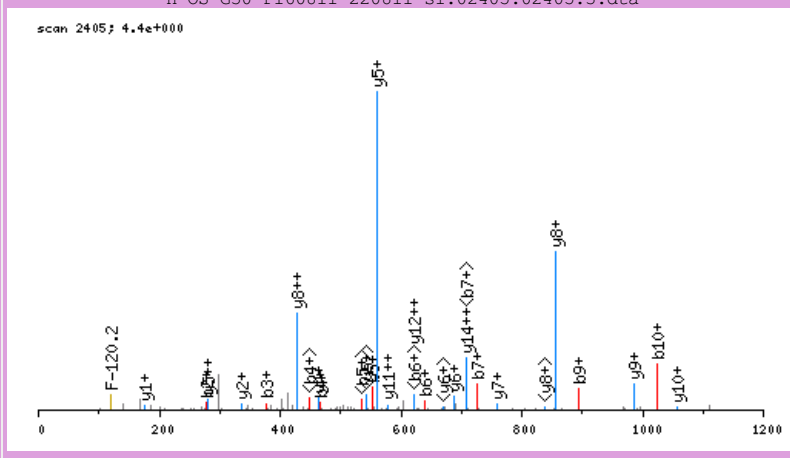
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	20		
271.1658	2	E	19	2242.0781	1121.5429
372.2134	3	T	18	2113.0355	1057.0217
459.2455	4	S	17	2011.9878	**1006.4978**
516.2669	5	G	16	1924.9558	**962.9818**
630.3099	6	N	15	1867.9343	934.4711
743.3939	7	L	14	1753.8914	877.4496
858.4209	8	D	13	1640.8073	**820.9076**
915.4423	9	G	12	1525.7804	**763.3941**
1028.5264	10	L	11	1468.7589	**734.8834**
1157.5690	11	E	10	1355.6748	**678.3413**
1320.6323	12	Y	9	1226.6323	**613.8200**
1476.7586	13	K	8	1063.5689	**532.2884**
1589.8427	14	L	7	907.4426	454.2252
1726.9016	15	H	6	**794.3586**	397.6832
1841.9285	16	D	5	**657.2997**	329.1537
1988.9969	17	F	4	**542.2727**	271.6403
2046.0184	18	G	3	395.2043	198.1061
2209.0817	19	Y	2	338.1828	169.5953
	20	R	1	**175.1195**	88.0637

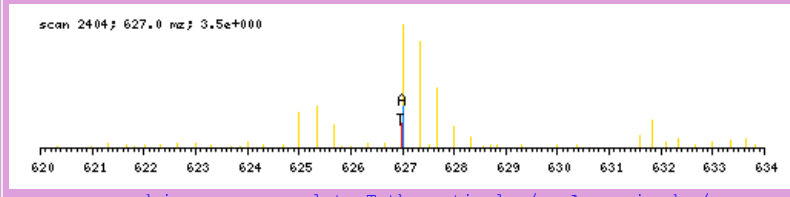
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LETSSSSPAEPAQPGACR, MH+ 1878.9079, m/z 626.9741
H OS G30 P160811 220811-s1.02405.02405.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



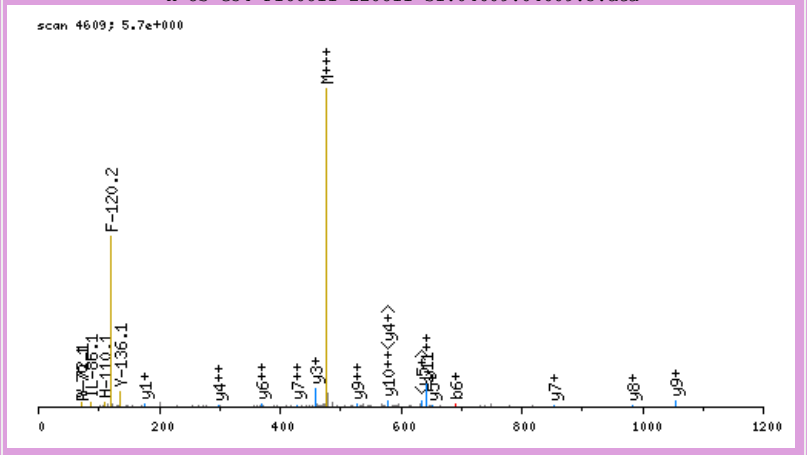
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
277.1976	2	E	17	1731.7608	866.3843
378.2452	3	T	16	1602.7182	801.8630
465.2773	4	S	15	1501.6705	751.3392
552.3093	5	S	14	1414.6385	707.8231
639.3413	6	S	13	1327.6064	664.3071
726.3733	7	S	12	1240.5744	620.7911
823.4261	8	P	11	1153.5424	577.2751
894.4632	9	A	10	1056.4896	528.7487
1023.5058	10	E	9	985.4525	493.2302
1120.5586	11	P	8	856.4099	428.7089
1191.5957	12	A	7	759.3571	380.1825
1319.6543	13	Q	6	688.3200	344.6639
1416.7070	14	P	5	560.2614	280.6346
1473.7285	15	G	4	463.2087	232.1083
1544.7656	16	A	3	406.1872	203.5975
1704.7962	17	C	2	335.1501	168.0790
	18	R	1	175.1195	88.0637

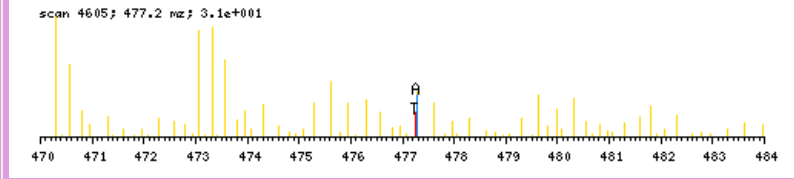
N-term:+35.07 C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEVAEDSGHPWR, MH+ 1429.7288, m/z 477.2478
H OS G34 P160811 220811-s1.04609.04609.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



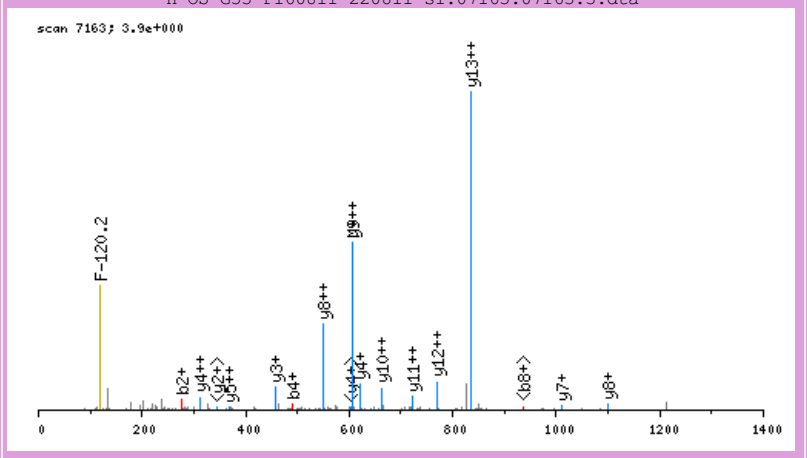
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
277.1976	2	E	11	1282.5816	**641.7947**
376.2660	3	V	10	1153.5390	**577.2734**
447.3031	4	A	9	**1054.4706**	**527.7392**
576.3457	5	E	8	**983.4335**	492.2207
691.3726	6	D	7	**854.3909**	**427.6994**
778.4046	7	S	6	739.3640	**370.1859**
835.4261	8	G	5	**652.3320**	326.6699
972.4850	9	H	4	595.3105	**298.1592**
1069.5378	10	P	3	**458.2516**	229.6297
1255.6171	11	W	2	361.1988	181.1033
	12	R	1	**175.1195**	88.0637

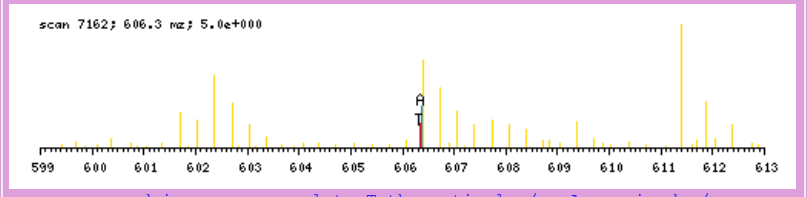
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LEVDLDSFEDKPWR, MH+ 1816.9758, m/z 606.3301
H OS G33 P160811 220811-s1.07163.07163.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

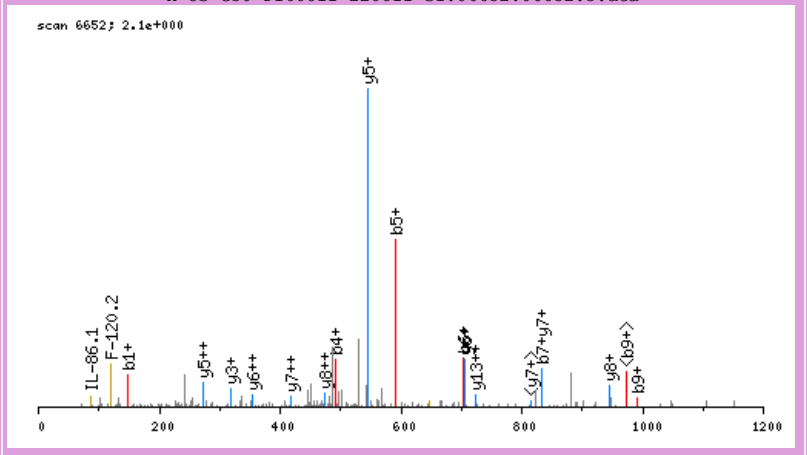


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

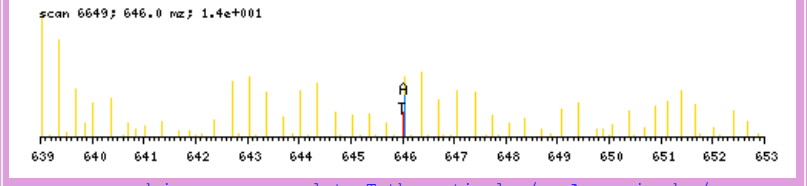
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
277.1976	2	E	13	1669.8286	835.4182
376.2660	3	V	12	1540.7860	770.8969
491.2929	4	D	11	1441.7176	721.3627
604.3770	5	L	10	1326.6907	663.8492
719.4039	6	D	9	1213.6066	607.3072
806.4359	7	S	8	1098.5797	549.7937
953.5044	8	F	7	1011.5476	506.2777
1082.5470	9	E	6	864.4792	432.7435
1197.5739	10	D	5	735.4366	368.2222
1359.7320	11	K	4	620.4097	310.7088
1456.7848	12	P	3	458.2516	229.6297
1642.8641	13	W	2	361.1988	181.1033
	14	R	1	175.1195	88.0637

N-term:+35.07 K(11):+162.16

LEVDVLEGTLQCPESGR, MH+ 1935.9909, m/z 646.0018
H OS G30 P160811 220811-s1.06652.06652.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

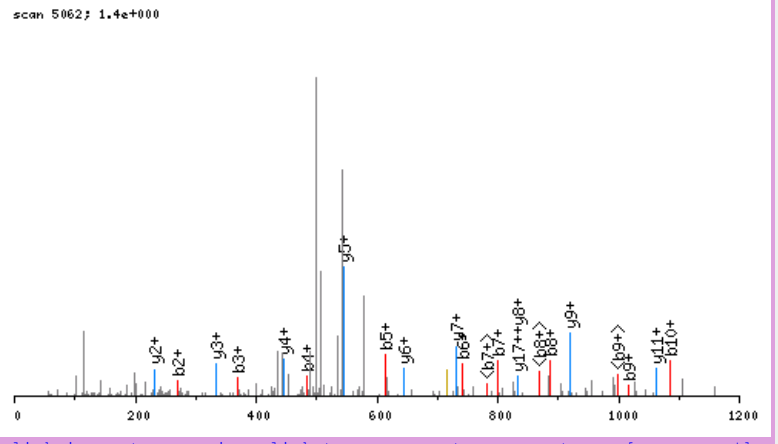
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	**1**	**L**	**17**		
277.1976	**2**	**E**	**16**	1788.8438	894.9258
376.2660	**3**	**V**	**15**	1659.8012	830.4045
491.2929	**4**	**D**	**14**	1560.7327	780.8703
590.3613	**5**	**V**	**13**	1445.7058	**723.3568**
703.4454	**6**	**L**	**12**	1346.6374	673.8226
832.4880	**7**	**E**	**11**	1233.5533	617.2806
889.5094	**8**	**G**	**10**	1104.5107	552.7593
990.5571	**9**	**T**	**9**	1047.4893	524.2485
1103.6412	**10**	**L**	**8**	**946.4416**	**473.7247**
1231.6998	**11**	**Q**	**7**	**833.3575**	**417.1827**
1391.7304	**12**	**C**	**6**	**705.2989**	**353.1534**
1488.7831	**13**	**P**	**5**	**545.2683**	**273.1381**
1617.8257	**14**	**E**	**4**	448.2156	224.6117
1704.8578	**15**	**S**	**3**	**319.1730**	160.0904
1761.8792	**16**	**G**	**2**	232.1410	116.5744
	17	**R**	**1**	175.1195	88.0637

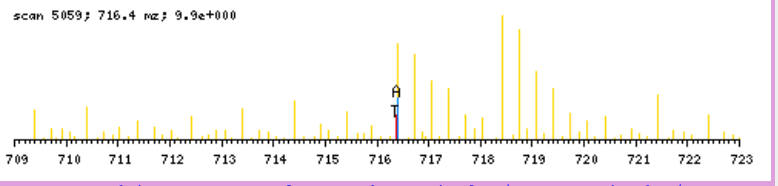
N-term:+35.07 C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LEVNEEGSEAAASTSVVITGR, MH+ 2147.0832, m/z 716.3659
L OS G30 P160811 220811-s1.05062.05062.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



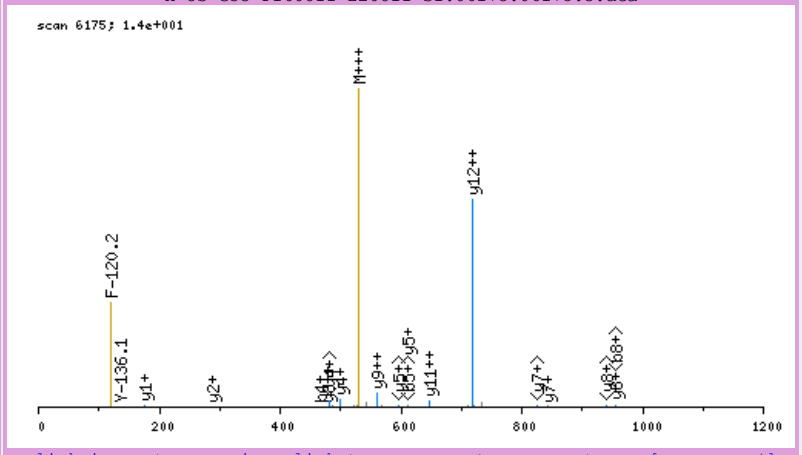
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	21		
271.1658	2	E	20	2005.9678	1003.4878
370.2342	3	V	19	1876.9252	938.9665
484.2771	4	N	18	1777.8568	889.4323
613.3197	5	E	17	1663.8139	**832.4109**
742.3623	6	E	16	1534.7713	767.8896
799.3837	7	G	15	1405.7287	703.3683
886.4158	8	S	14	1348.7072	674.8575
1015.4584	9	E	13	1261.6752	631.3415
1086.4955	10	A	12	1132.6326	566.8202
1157.5326	11	A	11	**1061.5955**	531.3017
1228.5697	12	A	10	990.5584	495.7831
1315.6017	13	S	9	**919.5213**	460.2645
1416.6494	14	T	8	**832.4892**	416.7485
1503.6814	15	S	7	**731.4416**	366.2247
1602.7499	16	V	6	**644.4095**	322.7087
1701.8183	17	V	5	**545.3411**	273.1745
1814.9023	18	I	4	**446.2727**	223.6403
1915.9500	19	T	3	**333.1886**	167.0982
1972.9715	20	G	2	**232.1410**	116.5744
	21	R	1	175.1195	88.0637

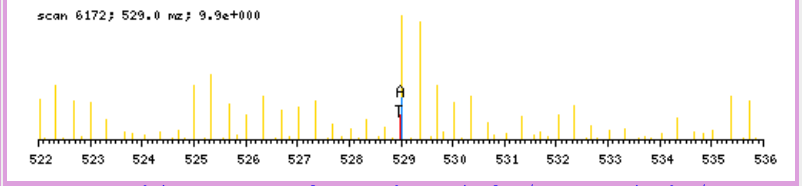
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LFGDKLCAIPNLR, MH+ 1584.9572, m/z 528.9906
H OS G33 P160811 220811-s1.06175.06175.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



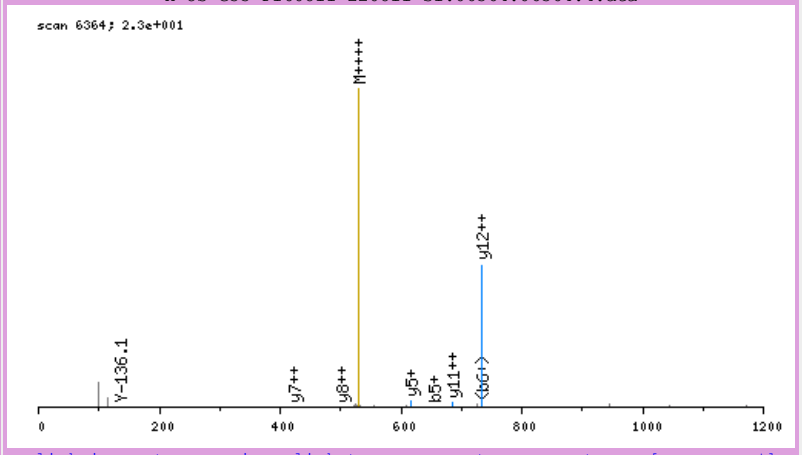
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
295.2234	2	F	12	1437.8100	**719.4089**
352.2448	3	G	11	1290.7416	**645.8747**
467.2718	4	D	10	1233.7201	617.3640
629.4299	5	K	9	1118.6932	**559.8505**
742.5139	6	L	8	**956.5351**	**478.7715**
902.5445	7	C	7	**843.4510**	422.2294
973.5817	8	A	6	683.4204	342.2141
1086.6657	9	I	5	**612.3833**	306.6956
1183.7185	10	P	4	**499.2993**	250.1535
1297.7614	11	N	3	402.2465	201.6272
1410.8455	12	L	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

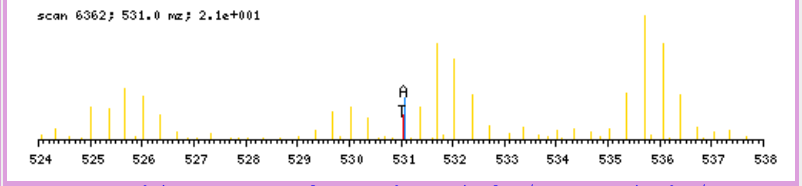
N-term:+35.07 K(5):+162.16
C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LFTMEPSKDKEPSPEQR, MH+ 2121.1751, m/z 531.0492
H OS G33 P160811 220811-s1.06364.06364.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



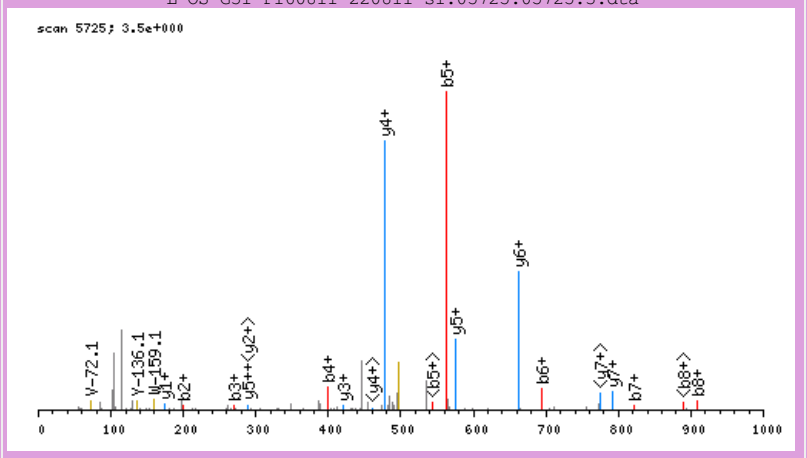
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
295.2234	2	F	16	1974.0279	987.5179
396.2711	3	T	15	1826.9595	913.9837
527.3115	4	M	14	1725.9118	863.4598
656.3541	5	E	13	1594.8713	797.9396
753.4069	6	P	12	1465.8288	**733.4183**
840.4389	7	S	11	1368.7760	**684.8919**
1002.5970	8	K	10	1281.7440	641.3759
1117.6240	9	D	9	1119.5859	560.2968
1279.7821	10	K	8	1004.5589	**502.7834**
1408.8247	11	E	7	842.4008	**421.7043**
1505.8774	12	P	6	713.3582	357.1830
1592.9095	13	S	5	**616.3055**	308.6566
1689.9622	14	P	4	529.2734	265.1406
1819.0048	15	E	3	432.2207	216.6142
1947.0634	16	Q	2	303.1781	152.0930
	17	R	1	175.1195	88.0637

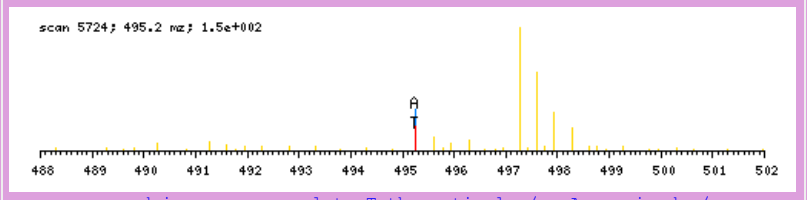
N-term:+35.07 K(8):+162.16
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGAEYMQSVGNMR, MH+ 1483.7037, m/z 495.2394
L OS G31 P160811 220811-s1.05725.05725.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



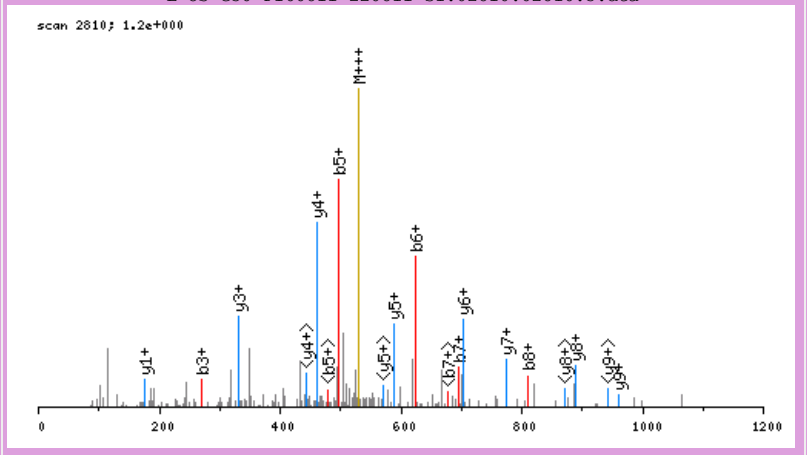
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
199.1446	2	G	12	1342.5884	671.7981
270.1817	3	A	11	1285.5669	643.2874
399.2243	4	E	10	1214.5298	607.7688
562.2877	5	Y	9	1085.4872	543.2475
693.3281	6	M	8	922.4239	461.7159
821.3867	7	Q	7	**791.3834**	396.1956
908.4188	8	S	6	**663.3248**	332.1663
1007.4872	9	V	5	**576.2928**	**288.6503**
1064.5086	10	G	4	**477.2244**	239.1161
1178.5516	11	N	3	**420.2029**	210.6054
1309.5920	12	M	2	306.1600	153.5839
	13	R	1	**175.1195**	88.0637

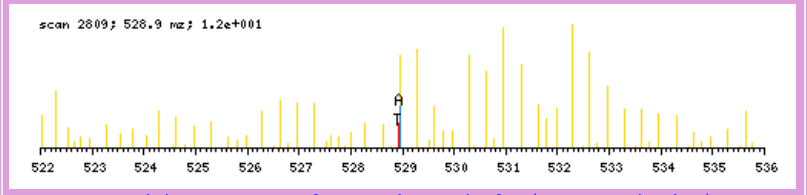
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGAPEEADANEEGVR, MH+ 1584.7505, m/z 528.9217
L OS G30 P160811 220811-s1.02810.02810.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



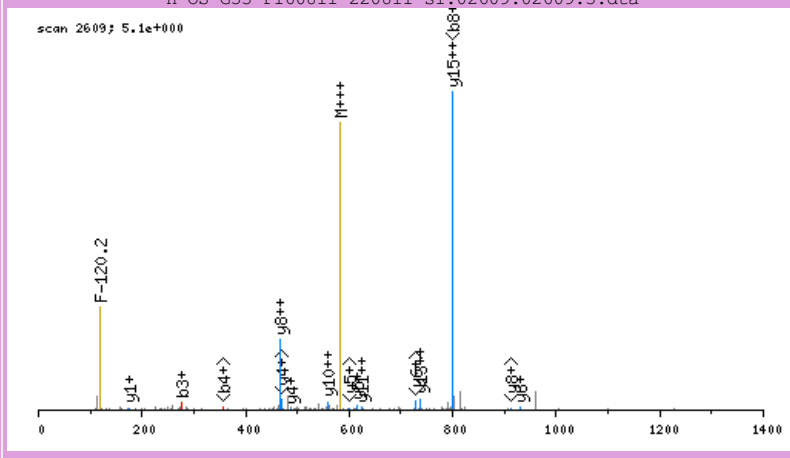
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	15		
199.1446	2	G	14	1443.6352	722.3215
270.1817	3	A	13	1386.6137	693.8108
367.2345	4	P	12	1315.5766	658.2922
496.2771	5	E	11	1218.5238	609.7658
625.3197	6	E	10	1089.4813	545.2445
696.3568	7	A	9	**960.4387**	480.7232
811.3837	8	D	8	**889.4015**	445.2047
882.4209	9	A	7	**774.3746**	387.6912
996.4638	10	N	6	**703.3375**	352.1727
1125.5064	11	E	5	**589.2946**	295.1512
1254.5490	12	E	4	**460.2520**	230.6299
1311.5704	13	G	3	**331.2094**	166.1086
1410.6389	14	V	2	274.1879	137.5979
	15	R	1	**175.1195**	88.0637

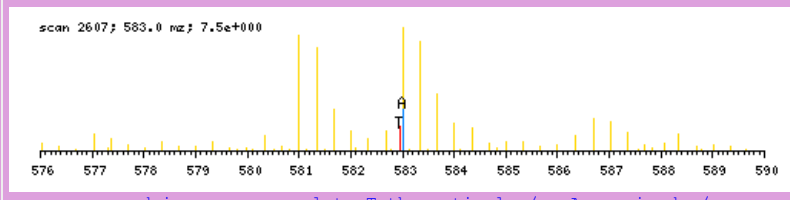
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGAPEEADANEEGVRR, MH+ 1746.8834, m/z 582.9660
H OS G33 P160811 220811-s1.02609.02609.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



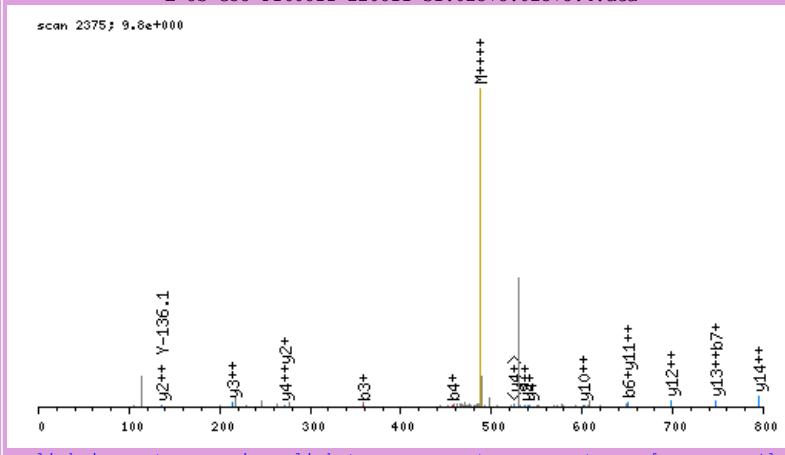
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
205.1764	2	G	15	1599.7363	**800.3721**
276.2135	3	A	14	1542.7148	771.8613
373.2663	4	P	13	1471.6777	**736.3428**
502.3089	5	E	12	1374.6250	687.8164
631.3515	6	E	11	1245.5824	**623.2951**
702.3886	7	A	10	1116.5398	**558.7738**
817.4155	8	D	9	1045.5027	523.2552
888.4527	9	A	8	**930.4757**	**465.7418**
1002.4956	10	N	7	859.4386	430.2232
1131.5382	11	E	6	745.3957	373.2018
1260.5808	12	E	5	**616.3531**	308.6805
1317.6022	13	G	4	**487.3105**	244.1592
1416.6707	14	V	3	430.2890	215.6484
1572.7718	15	R	2	331.2206	166.1142
	16	R	1	**175.1195**	88.0637

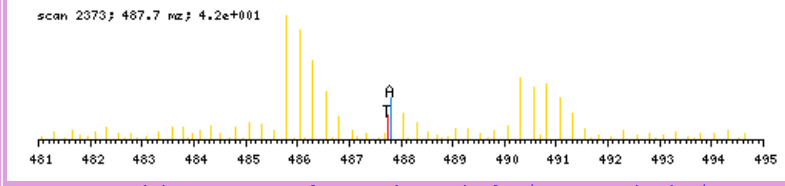
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LGCPPPPEGKDNSDRPR, MH+ 1947.9710, m/z 487.7482
L OS G35 P160811 220811-s1.02375.02375.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



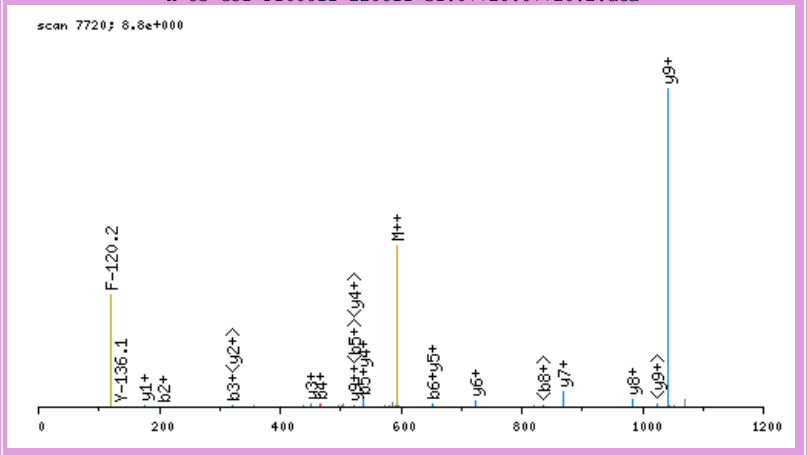
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
199.1446	2	G	16	1806.8557	903.9318
359.1752	3	C	15	1749.8342	875.4210
456.2280	4	P	14	1589.8036	**795.4057**
553.2808	5	P	13	1492.7509	**746.8793**
650.3335	6	P	12	1395.6981	**698.3530**
747.3863	7	P	11	1298.6453	**649.8266**
876.4289	8	E	10	1201.5926	**601.3002**
933.4503	9	G	9	1072.5500	**536.7789**
1089.5766	10	K	8	1015.5285	508.2682
1204.6036	11	D	7	859.4022	430.2050
1318.6465	12	N	6	744.3753	372.6915
1405.6785	13	S	5	630.3323	315.6701
1520.7055	14	D	4	**543.3003**	**272.1541**
1676.8066	15	R	3	428.2734	**214.6406**
1773.8594	16	P	2	**272.1723**	**136.5900**
	17	R	1	175.1195	88.0637

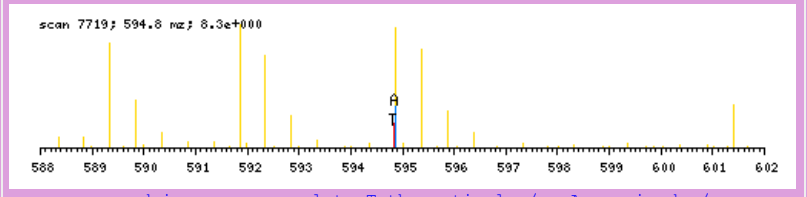
N-term:+29.04 C(3):+160.03
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGDFAISLYR, MH+ 1188.6841, m/z 594.8457
H OS G31 P160811 220811-s1.07720.07720.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



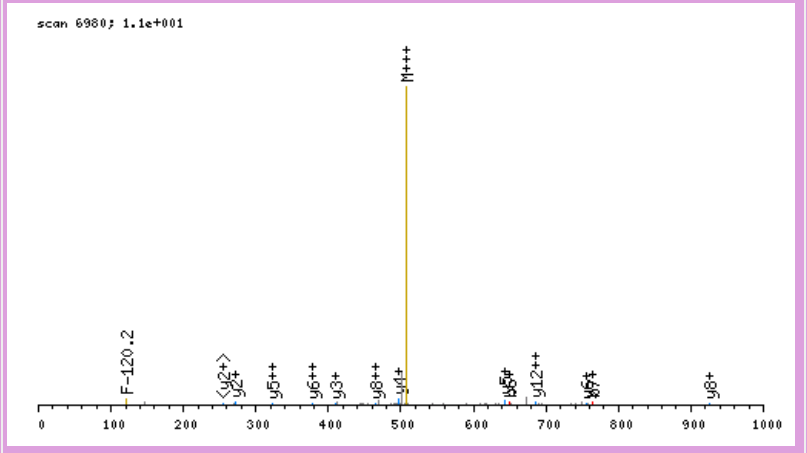
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	10		
205.1764	2	G	9	1041.5369	521.2724
320.2034	3	D	8	984.5155	492.7616
467.2718	4	F	7	869.4885	435.2482
538.3089	5	A	6	722.4201	361.7140
651.3930	6	I	5	651.3830	326.1954
738.4250	7	S	4	538.2989	269.6534
851.5091	8	L	3	451.2669	226.1374
1014.5724	9	Y	2	338.1828	169.5953
	10	R	1	175.1195	88.0637

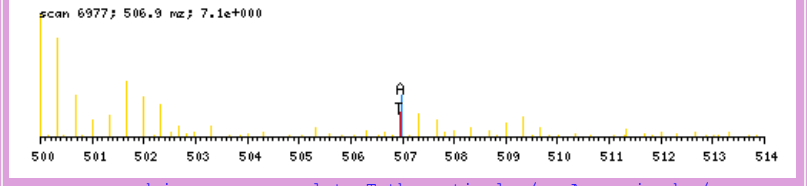
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGDSWGILFSHPR, MH+ 1518.8281, m/z 506.9475
H OS G33 P160811 220811-s1.06980.06980.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



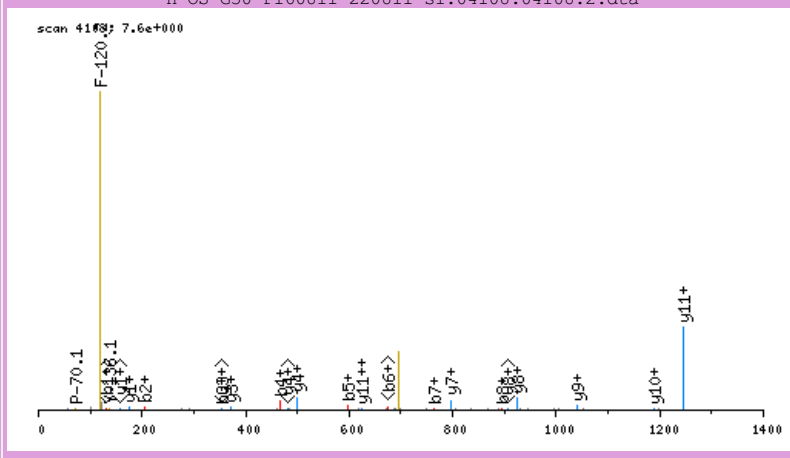
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
205.1764	2	G	12	1371.6810	**686.3444**
320.2034	3	D	11	1314.6595	657.8337
407.2354	4	S	10	1199.6326	600.3202
593.3147	5	W	9	1112.6005	556.8042
650.3362	6	G	8	**926.5212**	**463.7645**
763.4202	7	I	7	869.4997	435.2538
876.5043	8	L	6	**756.4157**	**378.7118**
1023.5727	9	F	5	**643.3316**	**322.1697**
1110.6047	10	S	4	**496.2632**	248.6355
1247.6637	11	H	3	**409.2312**	205.1195
1344.7164	12	P	2	**272.1723**	136.5900
	13	R	1	175.1195	88.0637

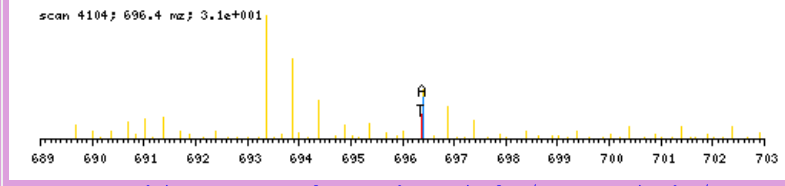
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGFDEPAEQPVR, MH+ 1391.7383, m/z 696.3728
H OS G30 P160811 220811-s1.04108.04108.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



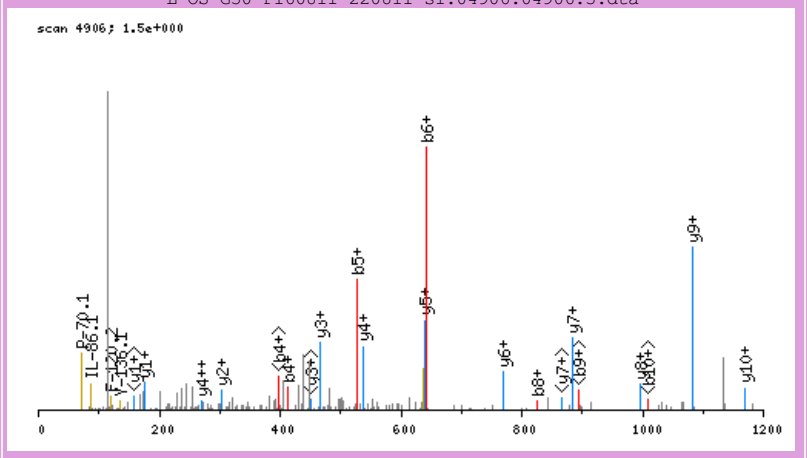
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
205.1764	2	G	11	1244.5911	622.7995
352.2448	3	F	10	1187.5697	594.2888
467.2718	4	D	9	1040.5013	520.7545
596.3144	5	E	8	925.4743	463.2411
693.3671	6	P	7	796.4317	398.7198
764.4043	7	A	6	699.3790	350.1934
893.4468	8	E	5	628.3418	314.6748
1021.5054	9	Q	4	499.2993	250.1535
1118.5582	10	P	3	371.2407	186.1243
1217.6266	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

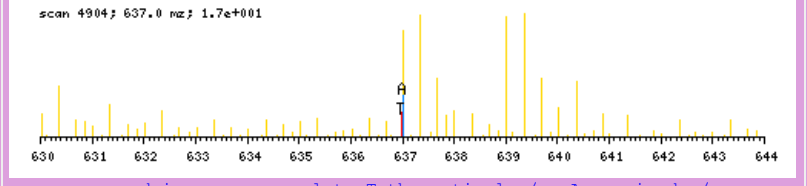
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGTLDNPSSLDETAYER, MH+ 1908.9191, m/z 636.9779
L OS G30 P160811 220811-s1.04906.04906.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



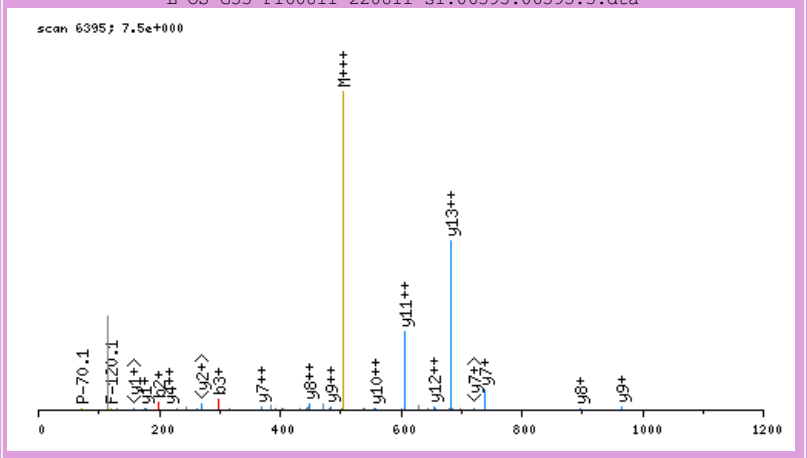
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
199.1446	2	G	16	1767.8037	884.4058
300.1923	3	T	15	1710.7822	855.8950
413.2764	4	L	14	1609.7346	805.3712
528.3033	5	D	13	1496.6505	748.8292
642.3462	6	N	12	1381.6236	691.3157
739.3990	7	P	11	1267.5806	634.2942
826.4310	8	S	10	**1170.5279**	585.7678
913.4631	9	S	9	**1083.4958**	542.2518
1026.5471	10	L	8	**996.4638**	498.7358
1141.5741	11	D	7	**883.3798**	442.1938
1270.6167	12	E	6	**768.3528**	384.6803
1371.6643	13	T	5	**639.3102**	320.1590
1442.7015	14	A	4	**538.2625**	**269.6352**
1605.7648	15	Y	3	**467.2254**	234.1166
1734.8074	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

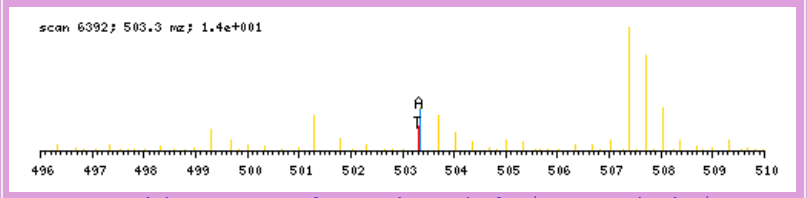
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LGVPFAKPPLGSLR, MH+ 1507.9365, m/z 503.3170
L OS G33 P160811 220811-s1.06395.06395.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



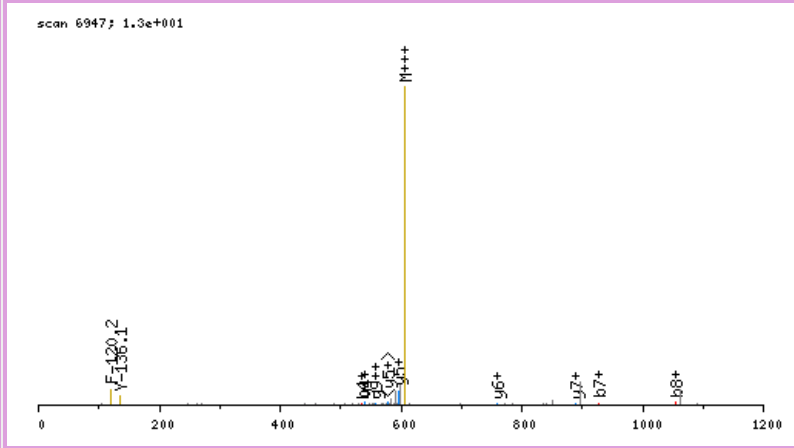
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
199.1446	2	G	13	1366.8211	683.9145
298.2130	3	V	12	1309.7997	655.4037
395.2658	4	P	11	1210.7312	605.8695
542.3342	5	F	10	1113.6785	557.3432
613.3713	6	A	9	966.6101	483.8089
769.4976	7	K	8	895.5729	448.2904
866.5504	8	P	7	739.4466	370.2272
963.6032	9	P	6	642.3939	321.7009
1076.6872	10	L	5	545.3411	273.1745
1133.7087	11	G	4	432.2571	216.6324
1220.7407	12	S	3	375.2356	188.1217
1333.8248	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

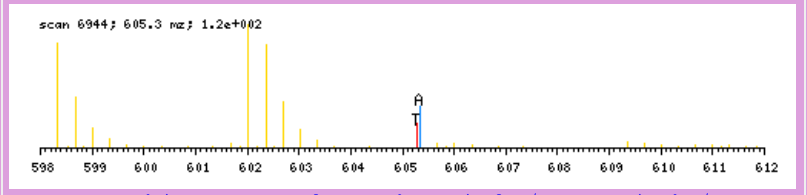
N-term:+29.04 K(7):+156.13

LISWYDNEYGYSNR, MH+ 1813.8609, m/z 605.2918
H OS G31 P160811 220811-s1.06947.06947.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



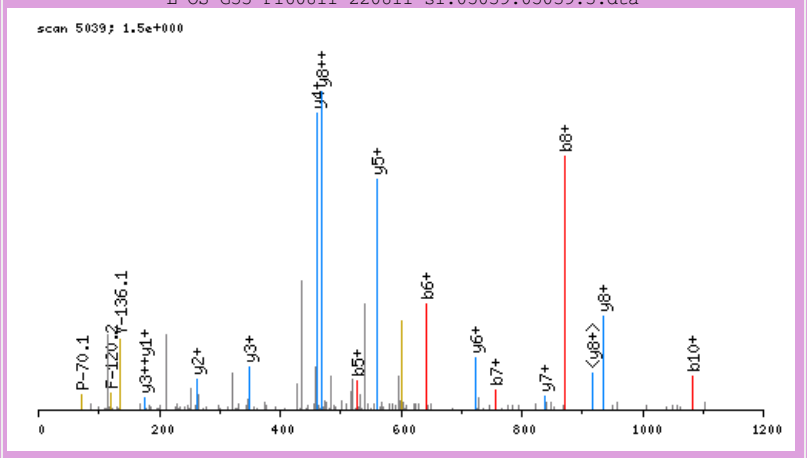
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
261.2390	2	I	13	1666.7138	833.8608
348.2711	3	S	12	1553.6297	777.3188
534.3504	4	W	11	1466.5977	733.8028
697.4137	5	Y	10	1280.5184	640.7631
812.4406	6	D	9	1117.4550	**559.2314**
926.4836	7	N	8	1002.4281	501.7180
1055.5262	8	E	7	**888.3852**	444.6965
1218.5895	9	Y	6	**759.3426**	380.1752
1275.6110	10	G	5	**596.2792**	298.6435
1438.6743	11	Y	4	**539.2578**	270.1328
1525.7063	12	S	3	376.1945	188.6011
1639.7492	13	N	2	289.1624	145.0851
	14	R	1	175.1195	88.0637

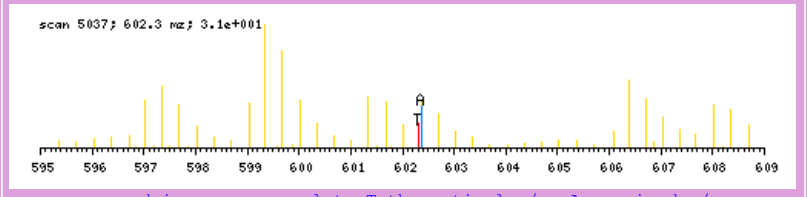
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LKGGDDLDPNYVLSSR, MH+ 1804.9445, m/z 602.3197
L OS G33 P160811 220811-s1.05039.05039.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



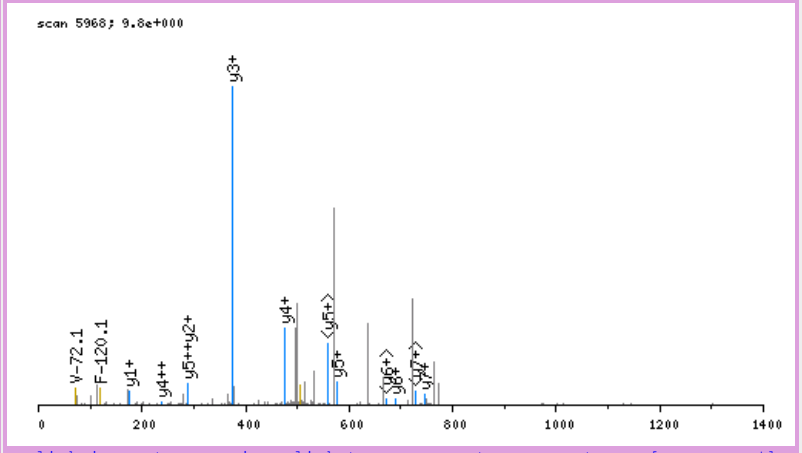
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
298.2495	2	K	15	1663.8292	832.4185
355.2709	3	G	14	1507.7029	754.3554
412.2924	4	G	13	1450.6814	725.8446
527.3193	5	D	12	1393.6599	697.3339
642.3463	6	D	11	1278.6330	639.8204
755.4303	7	L	10	1163.6061	582.3069
870.4573	8	D	9	1050.5220	525.7649
967.5100	9	P	8	**935.4951**	**468.2514**
1081.5530	10	N	7	**838.4423**	419.7251
1244.6163	11	Y	6	**724.3994**	362.7036
1343.6847	12	V	5	**561.3360**	281.1719
1456.7688	13	L	4	**462.2676**	231.6377
1543.8008	14	S	3	**349.1836**	**175.0957**
1630.8328	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

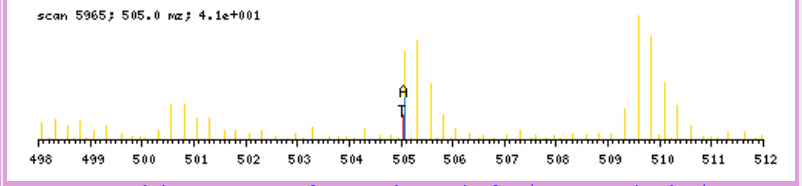
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LKGPKEISGFEGDTVSLR, MH+ 2017.1334, m/z 505.0388
L OS G34 P160811 220811-s1.05968.05968.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



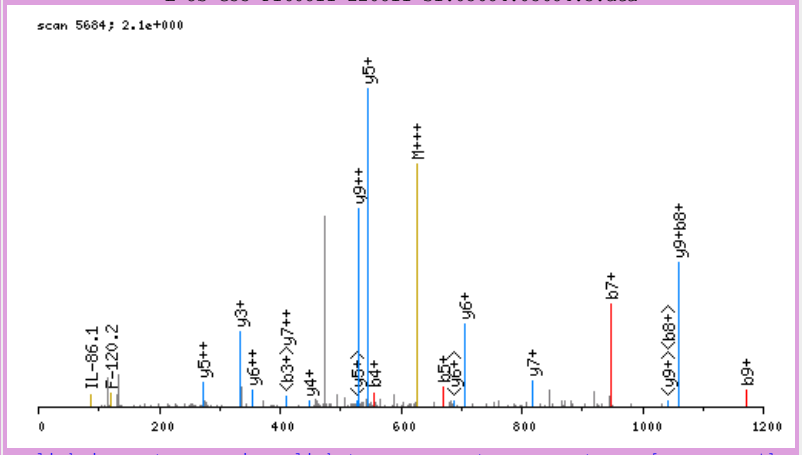
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	18		
298.2495	2	K	17	1876.0181	938.5130
355.2709	3	G	16	1719.8918	860.4498
452.3237	4	P	15	1662.8703	831.9391
608.4500	5	K	14	1565.8175	783.4127
737.4926	6	E	13	1409.6912	705.3495
850.5766	7	I	12	1280.6487	640.8282
937.6087	8	S	11	1167.5646	584.2862
994.6301	9	G	10	1080.5326	540.7702
1141.6986	10	F	9	1023.5111	512.2595
1270.7411	11	E	8	876.4427	438.7253
1327.7626	12	G	7	**747.4001**	374.2040
1442.7896	13	D	6	**690.3786**	345.6932
1543.8372	14	T	5	**575.3517**	**288.1798**
1642.9056	15	V	4	**474.3040**	**237.6559**
1729.9377	16	S	3	**375.2356**	188.1217
1843.0217	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

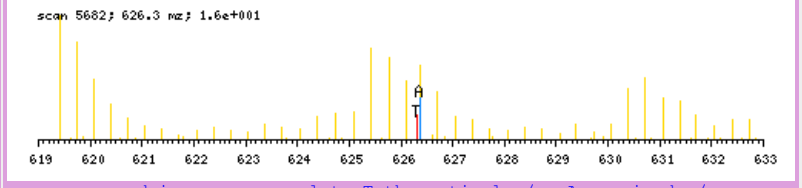
N-term:+29.04 K(2):+156.13
K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LKQEDFELLCPDGTR, MH+ 1876.9478, m/z 626.3208
L OS G33 P160811 220811-s1.05684.05684.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



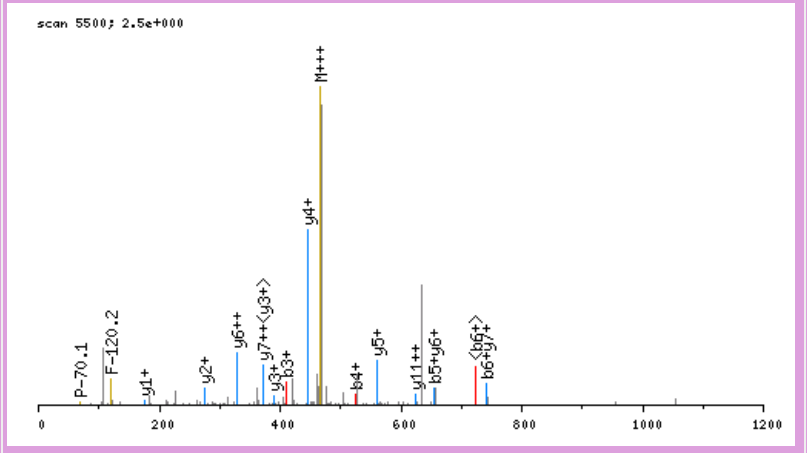
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	15		
298.2495	2	K	14	1735.8325	868.4202
426.3080	3	Q	13	1579.7062	790.3570
555.3506	4	E	12	1451.6476	726.3277
670.3776	5	D	11	1322.6050	661.8064
817.4460	6	F	10	1207.5781	604.2930
946.4886	7	E	9	**1060.5097**	**530.7587**
1059.5726	8	L	8	931.4671	466.2375
1172.6567	9	L	7	**818.3830**	**409.6954**
1332.6873	10	C	6	**705.2989**	**353.1534**
1429.7401	11	P	5	**545.2683**	**273.1381**
1544.7670	12	D	4	**448.2156**	224.6117
1601.7885	13	G	3	**333.1886**	167.0982
1702.8362	14	T	2	276.1672	138.5875
	15	R	1	175.1195	88.0637

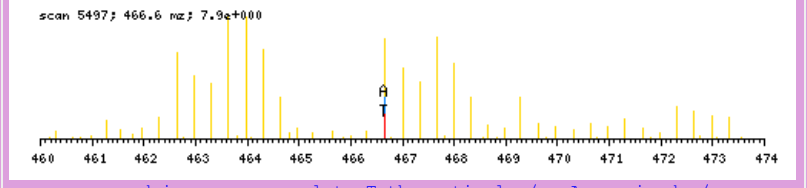
N-term:+29.04 K(2):+156.13
C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LKTLMSPLGITR, MH+ 1397.9190, m/z 466.6445
H OS G33 P160811 220811-s1.05500.05500.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



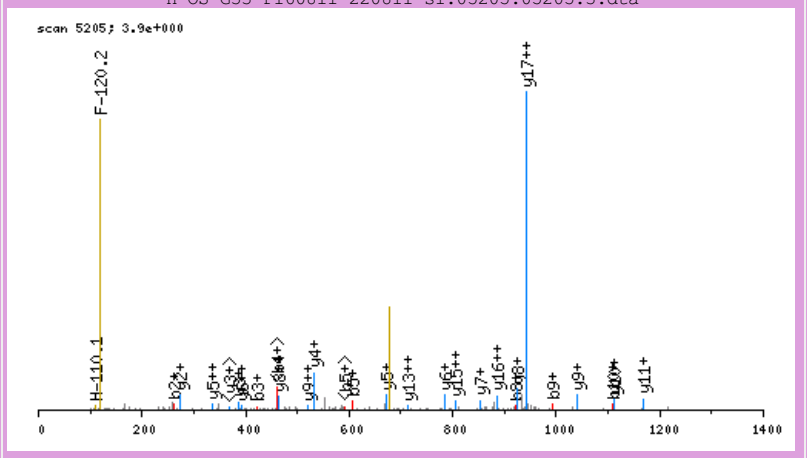
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
310.3131	2	K	11	1250.7719	**625.8899**
411.3607	3	T	10	1088.6138	544.8108
524.4448	4	L	9	987.5661	494.2870
655.4853	5	M	8	874.4820	437.7449
742.5173	6	S	7	**743.4416**	**372.2247**
839.5701	7	P	6	**656.4095**	**328.7087**
952.6541	8	L	5	**559.3568**	280.1823
1009.6756	9	G	4	**446.2727**	223.6403
1122.7597	10	I	3	**389.2512**	195.1295
1223.8074	11	T	2	**276.1672**	138.5875
	12	R	1	**175.1195**	88.0637

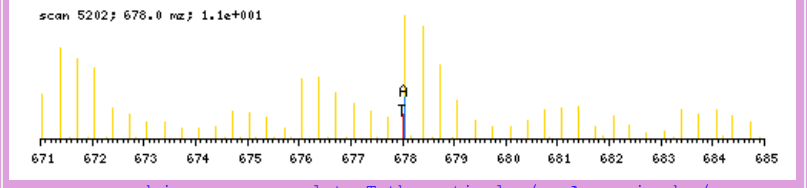
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LLCGEEQGADAALHFNPR, MH+ 2032.0134, m/z 678.0093
H OS G33 P160811 220811-s1.05205.05205.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



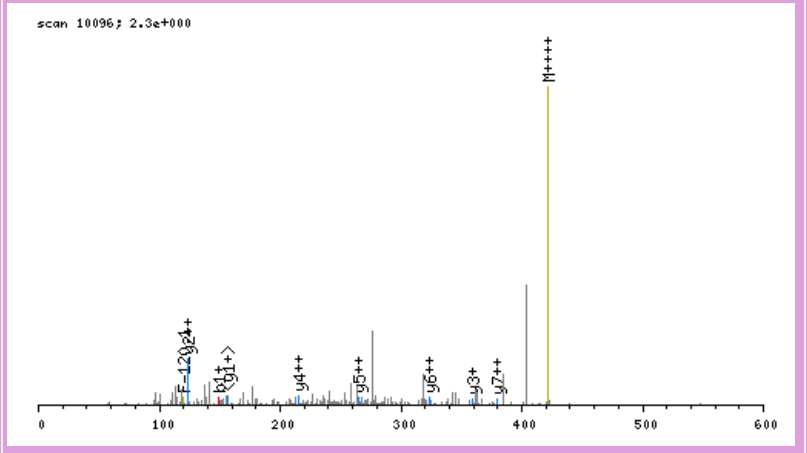
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
261.2390	2	L	17	1884.8662	942.9370
421.2696	3	C	16	1771.7822	886.3950
478.2911	4	G	15	1611.7516	806.3797
607.3337	5	E	14	1554.7301	777.8690
736.3763	6	E	13	1425.6875	713.3477
864.4349	7	Q	12	1296.6449	648.8264
921.4563	8	G	11	1168.5863	584.7971
992.4934	9	A	10	1111.5649	556.2863
1107.5204	10	D	9	1040.5278	520.7678
1178.5575	11	A	8	925.5008	463.2543
1249.5946	12	A	7	854.4637	427.7358
1362.6787	13	L	6	783.4266	392.2172
1499.7376	14	H	5	670.3425	335.6752
1646.8060	15	F	4	533.2836	267.1457
1760.8489	16	N	3	386.2152	193.6115
1857.9017	17	P	2	272.1723	136.5900
	18	R	1	175.1195	88.0637

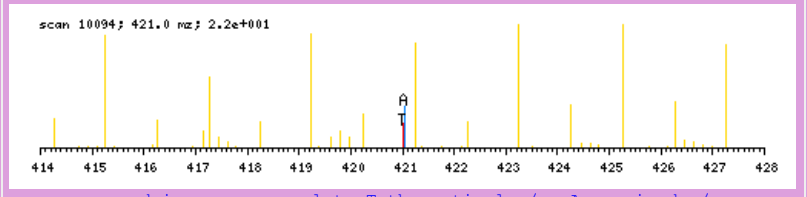
N-term:+35.07 C(3):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LLEEEKNNNVALAR, MH+ 1680.9921, m/z 421.0035
H OS G35 P160811 220811-s1.10096.10096.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



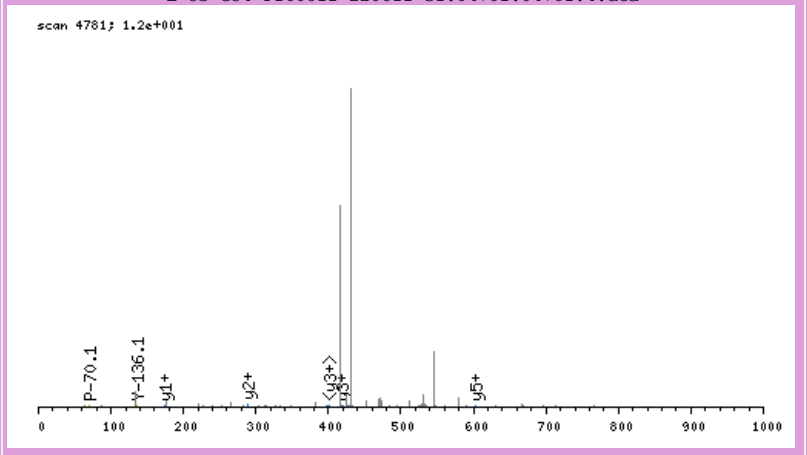
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
261.2390	2	L	13	1533.8449	767.4264
390.2816	3	E	12	1420.7609	710.8843
519.3242	4	E	11	1291.7183	646.3631
648.3668	5	E	10	1162.6757	581.8418
810.5249	6	K	9	1033.6331	517.3205
924.5678	7	N	8	871.4750	436.2414
1038.6108	8	N	7	757.4321	379.2199
1152.6537	9	N	6	643.3891	322.1985
1251.7221	10	V	5	529.3462	265.1770
1322.7592	11	A	4	430.2778	215.6428
1435.8433	12	L	3	359.2407	180.1243
1506.8804	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

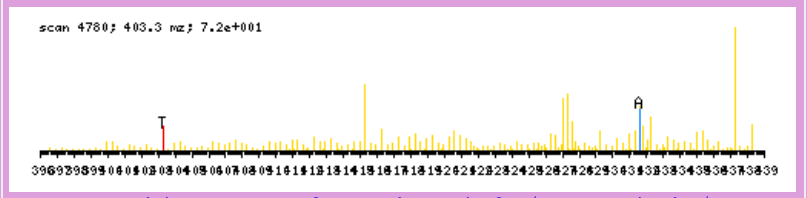
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LLEIINIGLSVEIK, MH+ 1610.0144, m/z 403.2591
L OS G34 P160811 220811-s1.04781.04781.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



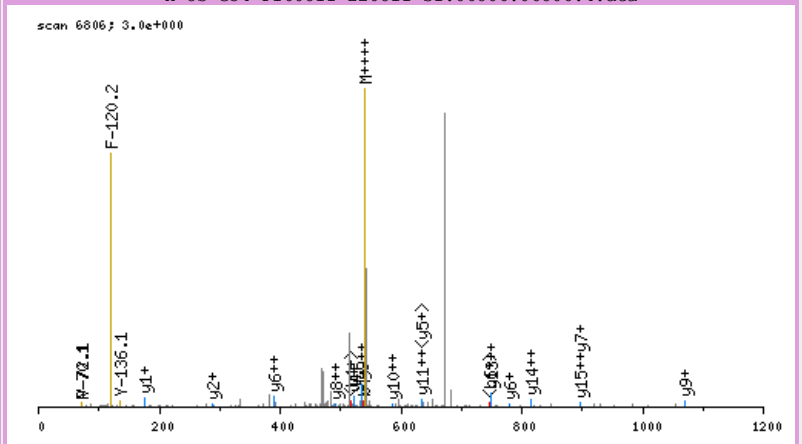
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
255.2072	2	L	13	1468.8991	734.9535
384.2498	3	E	12	1355.8150	678.4114
497.3339	4	I	11	1226.7724	613.8901
610.4179	5	I	10	1113.6884	557.3481
724.4609	6	N	9	1000.6043	500.8061
837.5449	7	I	8	886.5614	443.7846
894.5664	8	G	7	773.4773	387.2426
1007.6505	9	L	6	716.4559	358.7318
1094.6825	10	S	5	**603.3718**	302.1898
1193.7509	11	V	4	516.3398	258.6738
1322.7935	12	E	3	**417.2713**	209.1396
1435.8776	13	I	2	**288.2288**	144.6183
	14	K	1	**175.1447**	88.0763

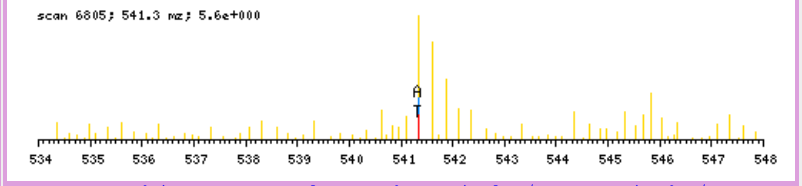
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LLLKEPMTVSSDQMAKLR, MH+ 2162.3141, m/z 541.3340
H OS G34 P160811 220811-s1.06806.06806.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



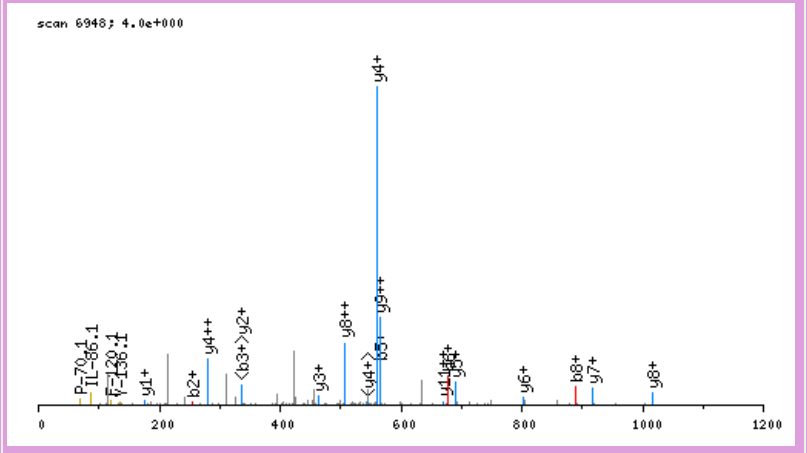
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
261.2390	2	L	17	2015.1670	1008.0874
374.3231	3	L	16	1902.0829	951.5454
536.4812	4	K	15	1788.9989	**895.0033**
665.5238	5	E	14	1626.8408	**813.9243**
762.5765	6	P	13	1497.7982	**749.4030**
893.6170	7	M	12	1400.7454	700.8766
994.6647	8	T	11	1269.7049	**635.3564**
1093.7331	9	V	10	1168.6573	**584.8325**
1180.7652	10	S	9	**1069.5888**	**535.2983**
1267.7972	11	S	8	982.5568	**491.7823**
1382.8241	12	D	7	**895.5248**	448.2663
1510.8827	13	Q	6	**780.4978**	**390.7528**
1641.9232	14	M	5	652.4393	326.7235
1712.9603	15	A	4	**521.3988**	261.2033
1875.1184	16	K	3	450.3617	225.6847
1988.2025	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

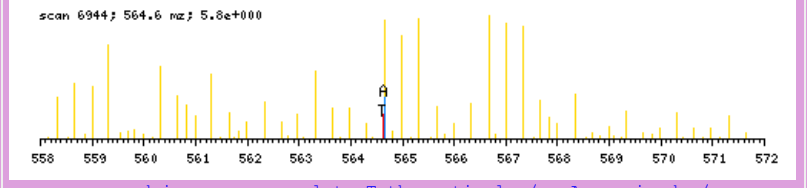
N-term:+35.07 K(4):+162.16
K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LLPPDLPDLEPECR, MH+ 1691.8678, m/z 564.6274
L OS G30 P160811 220811-s1.06948.06948.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



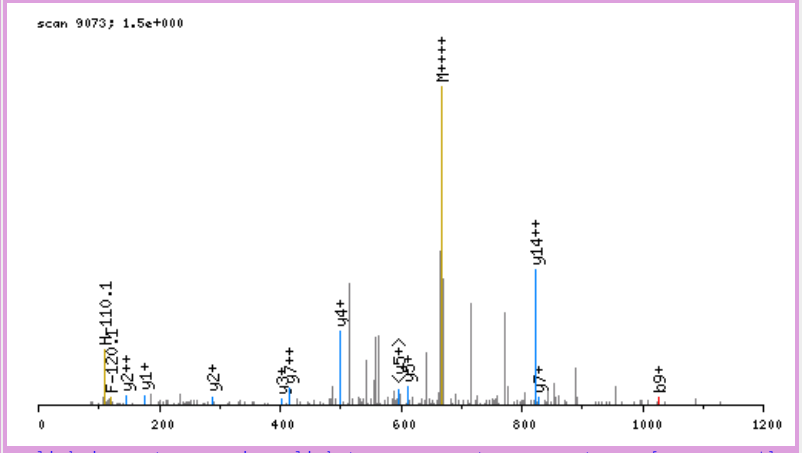
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
255.2072	2	L	13	1550.7524	775.8801
352.2600	3	P	12	1437.6684	719.3381
449.3128	4	P	11	1340.6156	**670.8117**
564.3397	5	D	10	1243.5628	622.2853
677.4238	6	L	9	1128.5359	**564.7719**
774.4765	7	P	8	**1015.4518**	**508.2298**
889.5035	8	D	7	**918.3991**	459.7034
1002.5875	9	L	6	**803.3721**	402.1900
1131.6301	10	E	5	**690.2881**	345.6479
1228.6829	11	P	4	**561.2455**	**281.1266**
1357.7255	12	E	3	**464.1927**	232.6003
1517.7561	13	C	2	**335.1501**	168.0790
	14	R	1	**175.1195**	88.0637

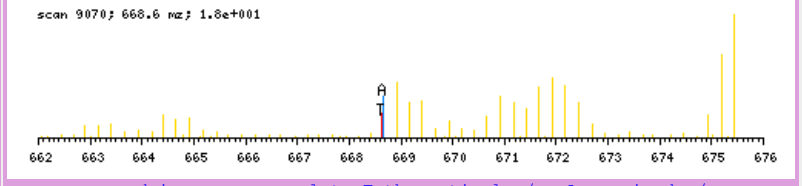
N-term:+29.04 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LMLNNNALNAVYQKTVESLPNLR, MH+ 2671.4605, m/z 668.6206
L OS G34 P160811 220811-s1.09073.09073.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



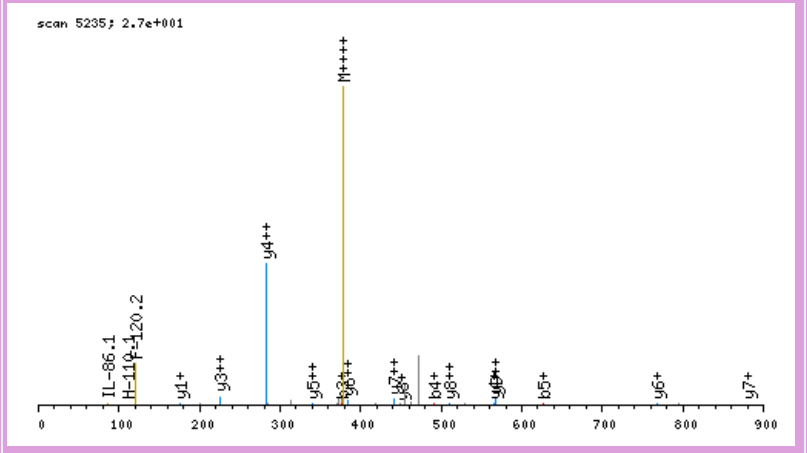
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	23		
273.1636	2	M	22	2530.3452	1265.6765
386.2477	3	L	21	2399.3047	1200.1563
500.2906	4	N	20	2286.2207	1143.6142
614.3336	5	N	19	2172.1777	1086.5928
728.3765	6	N	18	2058.1348	1029.5713
799.4136	7	A	17	1944.0919	972.5498
912.4977	8	L	16	1873.0548	937.0313
1026.5406	9	N	15	1759.9707	880.4893
1097.5777	10	A	14	1645.9278	**823.4678**
1196.6461	11	V	13	1574.8907	787.9492
1359.7095	12	Y	12	1475.8222	738.4150
1487.7680	13	Q	11	1312.7589	656.8834
1643.8943	14	K	10	1184.7003	592.8541
1744.9420	15	T	9	1028.5740	514.7909
1844.0104	16	V	8	927.5264	464.2671
1973.0530	17	E	7	**828.4579**	**414.7329**
2060.0850	18	S	6	699.4153	350.2116
2173.1691	19	L	5	**612.3833**	306.6956
2270.2219	20	P	4	**499.2993**	250.1535
2384.2648	21	N	3	**402.2465**	201.6272
2497.3489	22	L	2	**288.2036**	**144.6057**
	23	R	1	**175.1195**	88.0637

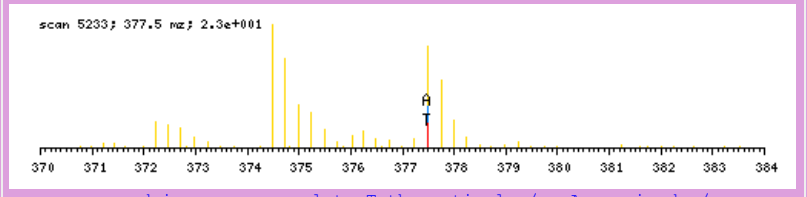
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LNIDHLSDDKLR, MH+ 1506.8916, m/z 377.4784
H OS G35 P160811 220811-s1.05235.05235.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

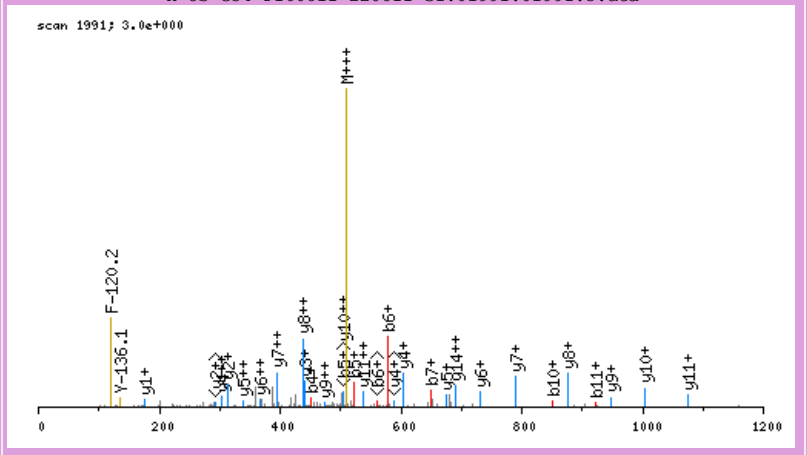


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

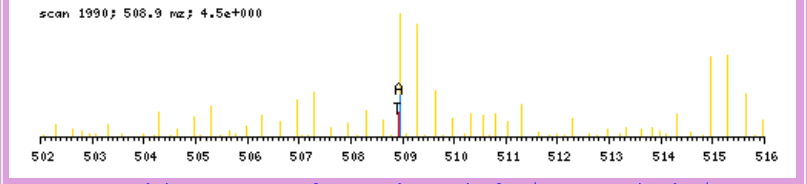
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
262.1979	2	N	11	1359.7445	680.3762
375.2820	3	I	10	1245.7016	623.3547
490.3089	4	D	9	1132.6175	**566.8127**
627.3678	5	H	8	1017.5906	**509.2992**
740.4519	6	L	7	**880.5316**	**440.7697**
827.4839	7	S	6	**767.4476**	**384.2277**
942.5108	8	D	5	680.4156	**340.7117**
1057.5378	9	D	4	**565.3886**	**283.1982**
1219.6959	10	K	3	**450.3617**	**225.6847**
1332.7800	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

N-term:+35.07 K(10):+162.16

LNSTAGASGGAYEHR, MH+ 1524.7619, m/z 508.9255
H OS G34 P160811 220811-s1.01991.01991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

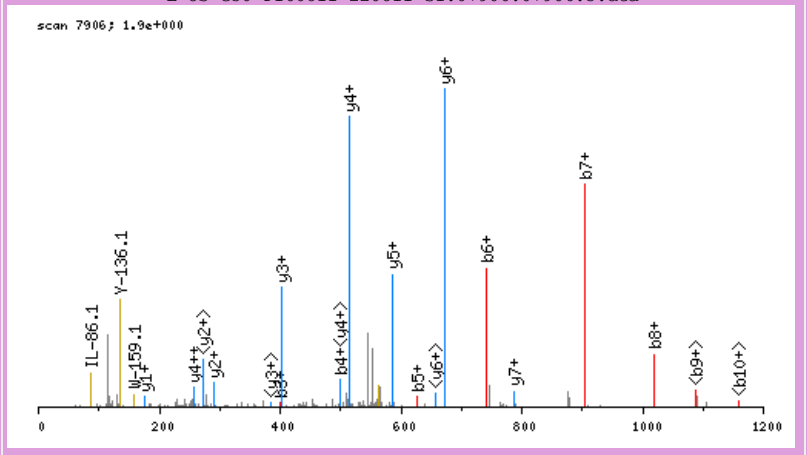
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
262.1979	2	N	14	1377.6147	689.3113
349.2299	3	S	13	1263.5718	632.2898
450.2776	4	T	12	1176.5398	588.7738
521.3147	5	A	11	1075.4921	538.2500
578.3362	6	G	10	1004.4550	502.7314
649.3733	7	A	9	947.4335	474.2207
736.4053	8	S	8	876.3964	438.7021
793.4268	9	G	7	789.3644	395.1861
850.4482	10	G	6	732.3429	366.6754
921.4854	11	A	5	675.3214	338.1646
1084.5487	12	Y	4	604.2843	302.6461
1213.5913	13	E	3	441.2210	221.1144
1350.6502	14	H	2	312.1784	156.5931
	15	R	1	175.1195	88.0637

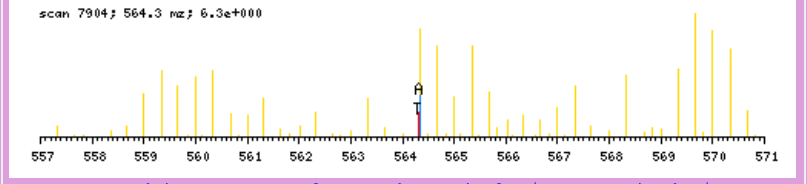
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LPCVEDYLSAILNR, MH+ 1690.8837, m/z 564.2994
L OS G30 P160811 220811-s1.07906.07906.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

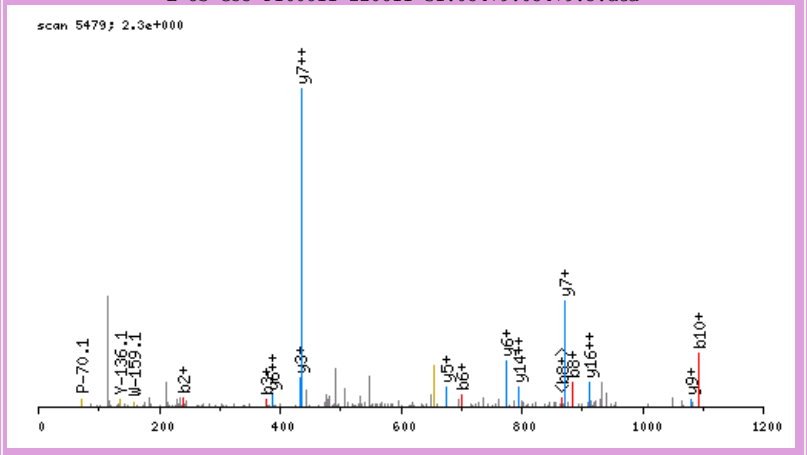


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

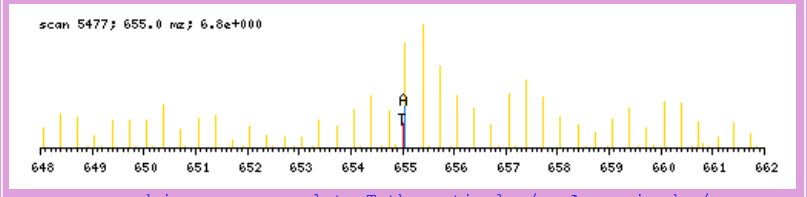
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
239.1759	2	P	13	1549.7684	775.3881
399.2065	3	C	12	1452.7156	726.8617
498.2749	4	V	11	1292.6850	646.8464
627.3175	5	E	10	1193.6166	597.3122
742.3445	6	D	9	1064.5740	532.7909
905.4078	7	Y	8	949.5471	475.2775
1018.4919	8	L	7	**786.4838**	393.7458
1105.5239	9	S	6	**673.3997**	337.2038
1176.5610	10	A	5	**586.3677**	293.6877
1289.6451	11	I	4	**515.3306**	**258.1692**
1402.7291	12	L	3	**402.2465**	201.6272
1516.7721	13	N	2	**289.1624**	145.0851
	14	R	1	**175.1195**	88.0637

N-term:+29.04 C(3):+160.03

LPHPPEPSPLPPGWEER, MH+ 1963.0077, m/z 655.0074
L OS G33 P160811 220811-s1.05479.05479.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

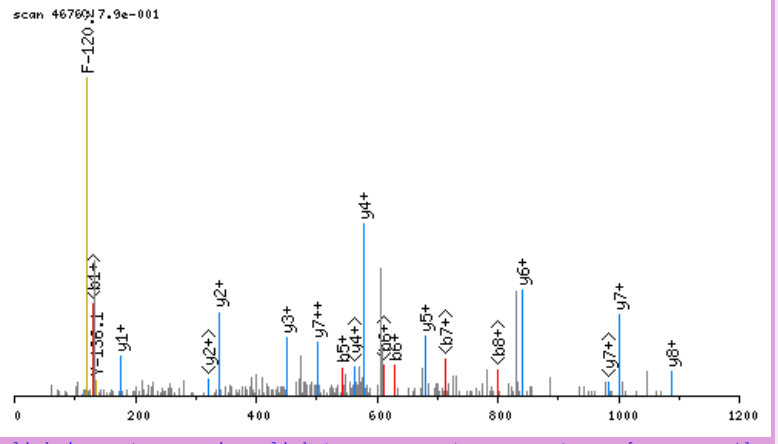
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
239.1759	2	P	16	1821.8924	**911.4501**
376.2348	3	H	15	1724.8396	862.9237
473.2876	4	P	14	1587.7807	**794.3943**
570.3404	5	P	13	1490.7280	745.8679
699.3830	6	E	12	1393.6752	697.3415
796.4357	7	P	11	1264.6326	632.8202
883.4678	8	S	10	1167.5798	584.2938
980.5205	9	P	9	**1080.5478**	540.7778
1093.6046	10	L	8	983.4951	492.2514
1190.6573	11	P	7	**870.4110**	**435.7094**
1287.7101	12	P	6	**773.3582**	**387.1830**
1344.7316	13	G	5	**676.3055**	338.6566
1530.8109	14	W	4	619.2840	310.1459
1659.8535	15	E	3	**433.2047**	217.1063
1788.8961	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

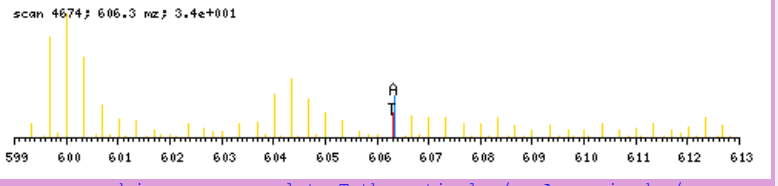
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LPLPSSTSCCTQLYR, MH+ 1816.9148, m/z 606.3098
H OS G30 P160811 220811-s1.04676.04676.3.dta



click image to zoom in; click top corners to zoom out [precursor‡]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
245.2077	2	P	14	1669.7677	835.3878
358.2918	3	L	13	1572.7149	786.8614
455.3446	4	P	12	1459.6309	730.3194
542.3766	5	S	11	1362.5781	681.7930
629.4086	6	S	10	1275.5461	638.2770
730.4563	7	T	9	1188.5141	594.7609
817.4883	8	S	8	**1087.4664**	544.2371
977.5189	9	C	7	**1000.4343**	**500.7211**
1137.5495	10	C	6	**840.4037**	420.7058
1238.5972	11	T	5	**680.3731**	340.6905
1366.6558	12	Q	4	**579.3255**	290.1666
1479.7398	13	L	3	**451.2669**	226.1374
1642.8032	14	Y	2	**338.1828**	169.5953
	15	R	1	**175.1195**	88.0637

N-term:+35.07 C(9):+160.03
C(10):+160.03

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG (MONO)

Axis: (1) 2

Label: (I) M -

Ions:

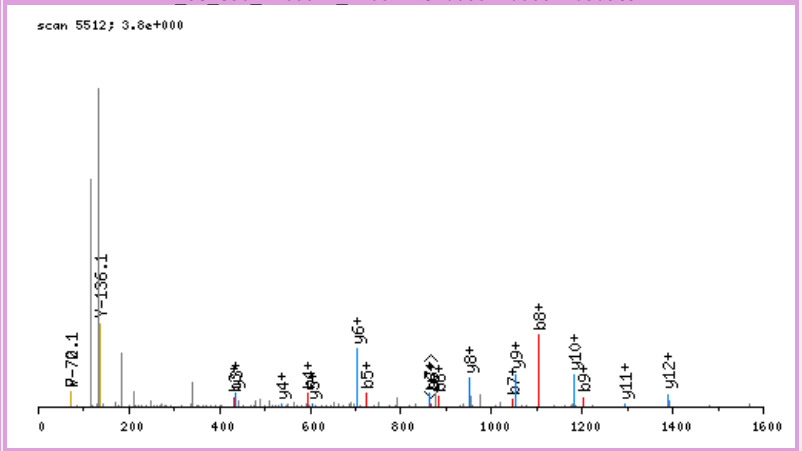
a	+	2+	3+
b	✓	2+	3+
c	+	2+	3+
x	+	2+	3+
y	✓	✓	3+
z	+	2+	3+

hide H_2O/NH_3

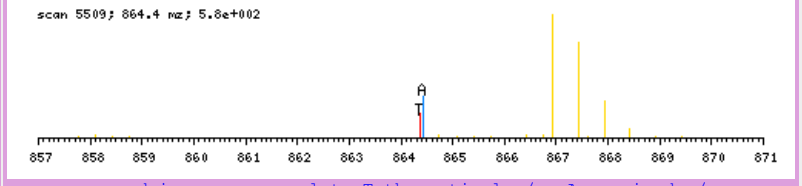
zoom 112-122

GO

LQCYECYGVPIETSCPAVTCR, MH+ 2591.1400, m/z 864.3849
L_OS_G30_P160811_220811-s1.05512.05512.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



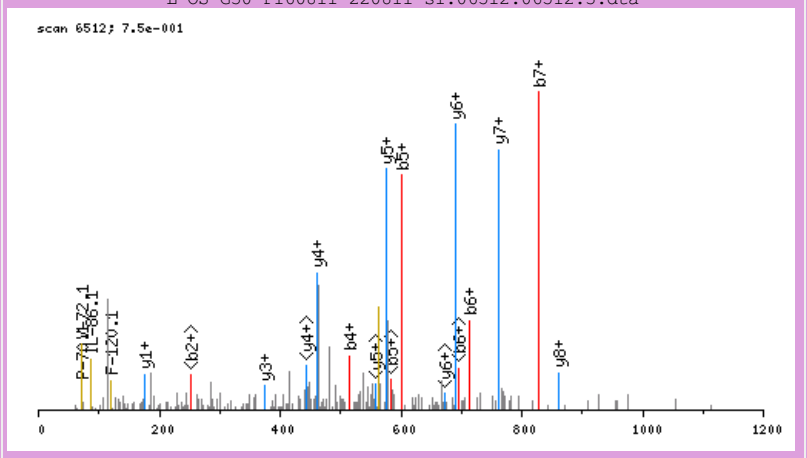
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	21		
270.1817	2	Q	20	2450.0247	1225.5163
430.2123	3	C	19	2321.9661	1161.4870
593.2757	4	Y	18	2161.9355	1081.4717
722.3183	5	E	17	1998.8722	999.9400
882.3489	6	C	16	1869.8296	935.4187
1045.4122	7	Y	15	1709.7990	855.4034
1102.4337	8	G	14	1546.7357	773.8718
1201.5021	9	V	13	1489.7142	745.3610
1298.5548	10	P	12	**1390.6458**	695.8268
1411.6389	11	I	11	**1293.5930**	647.3004
1540.6815	12	E	10	**1180.5090**	590.7584
1641.7292	13	T	9	**1051.4664**	526.2371
1728.7612	14	S	8	**950.4187**	475.7133
1888.7918	15	C	7	**863.3867**	432.1972
1985.8446	16	P	6	**703.3561**	352.1819
2056.8817	17	A	5	**606.3033**	303.6556
2155.9501	18	V	4	**535.2662**	268.1370
2256.9978	19	T	3	**436.1978**	218.6028
2417.0284	20	C	2	335.1501	168.0790
	21	R	1	175.1195	88.0637

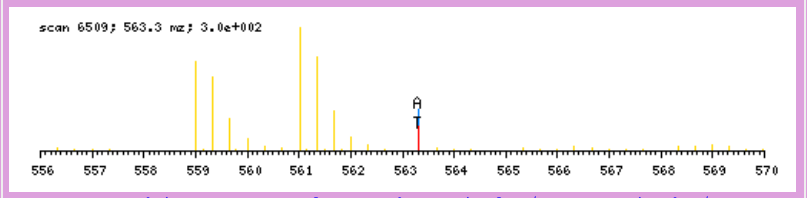
N-term:+29.04 C(3):+160.03
C(6):+160.03 C(15):+160.03
C(20):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LQEDSLNVADLSSLR, MH+ 1687.8866, m/z 563.3004
L OS G30 P160811 220811-s1.06512.06512.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



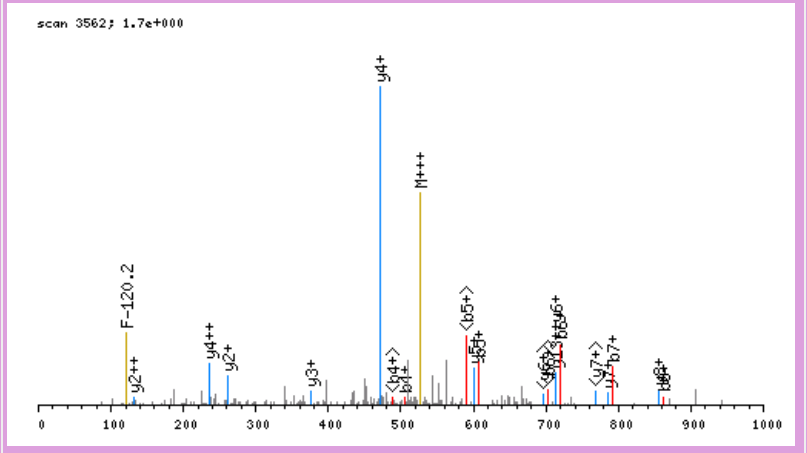
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	15		
270.1817	2	Q	14	1546.7713	773.8896
399.2243	3	E	13	1418.7127	709.8603
514.2513	4	D	12	1289.6701	645.3390
601.2833	5	S	11	1174.6432	587.8255
714.3674	6	L	10	1087.6111	544.3095
828.4103	7	N	9	974.5271	487.7675
927.4787	8	V	8	**860.4842**	430.7460
998.5158	9	A	7	**761.4157**	381.2118
1113.5428	10	D	6	**690.3786**	345.6932
1226.6268	11	L	5	**575.3517**	288.1798
1313.6589	12	S	4	**462.2676**	231.6377
1400.6909	13	S	3	**375.2356**	188.1217
1513.7750	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

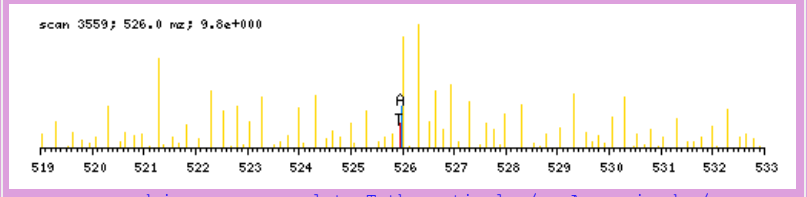
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LQETTLAANQPLSR, MH+ 1575.8918, m/z 525.9688
H OS G30 P160811 220811-s1.03562.03562.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



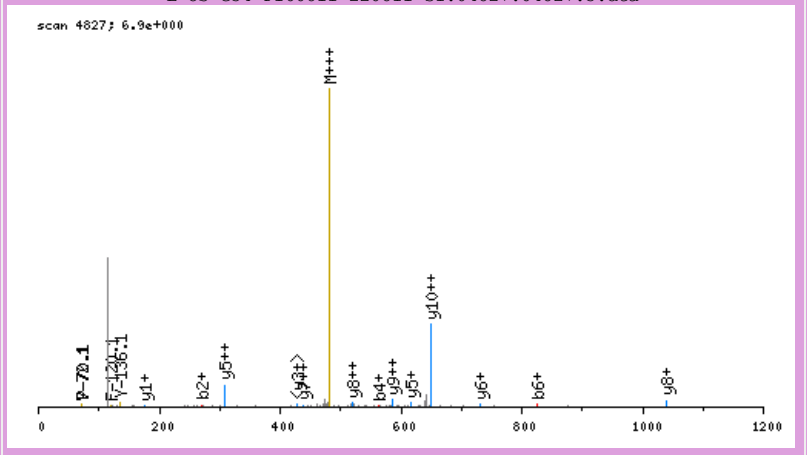
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
276.2135	2	Q	13	1428.7447	**714.8763**
405.2561	3	E	12	1300.6861	650.8470
506.3038	4	T	11	1171.6435	586.3257
607.3515	5	T	10	1070.5958	535.8018
720.4356	6	L	9	969.5482	485.2780
791.4727	7	A	8	**856.4641**	428.7360
862.5098	8	A	7	**785.4270**	393.2174
976.5527	9	N	6	**714.3899**	357.6988
1104.6113	10	Q	5	**600.3469**	300.6774
1201.6641	11	P	4	**472.2884**	**236.6481**
1314.7481	12	L	3	**375.2356**	188.1217
1401.7801	13	S	2	**262.1515**	**131.5797**
	14	R	1	175.1195	88.0637

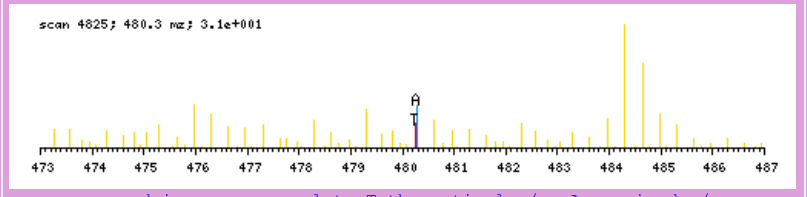
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LQEYFDGNLKR, MH+ 1438.7695, m/z 480.2613
L OS G34 P160811 220811-s1.04827.04827.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



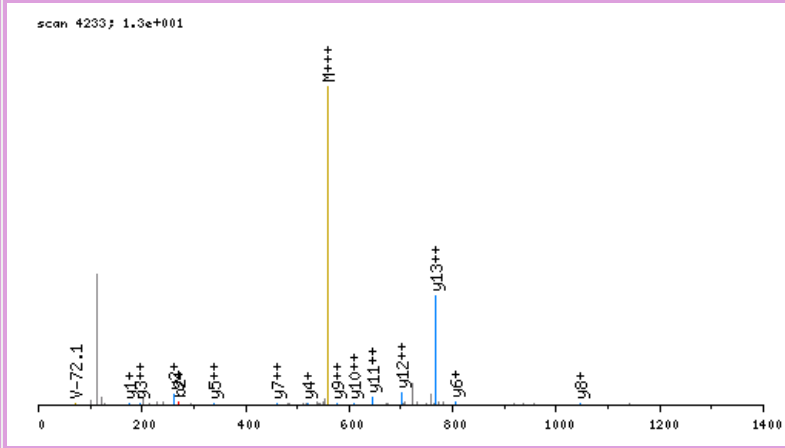
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	11		
270.1817	2	Q	10	1297.6541	649.3310
399.2243	3	E	9	1169.5955	585.3017
562.2877	4	Y	8	1040.5529	520.7804
709.3561	5	F	7	877.4896	439.2487
824.3830	6	D	6	730.4212	365.7145
881.4045	7	G	5	615.3943	308.2010
995.4474	8	N	4	558.3728	279.6903
1108.5315	9	L	3	444.3299	222.6688
1264.6578	10	K	2	331.2458	166.1268
	11	R	1	175.1195	88.0637

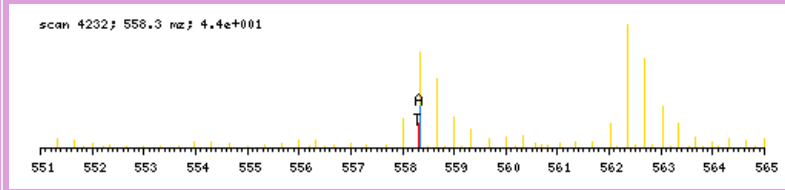
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LQIAATELEKEESR, MH+ 1672.9122, m/z 558.3089
L OS G33 P160811 220811-s1.04233.04233.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



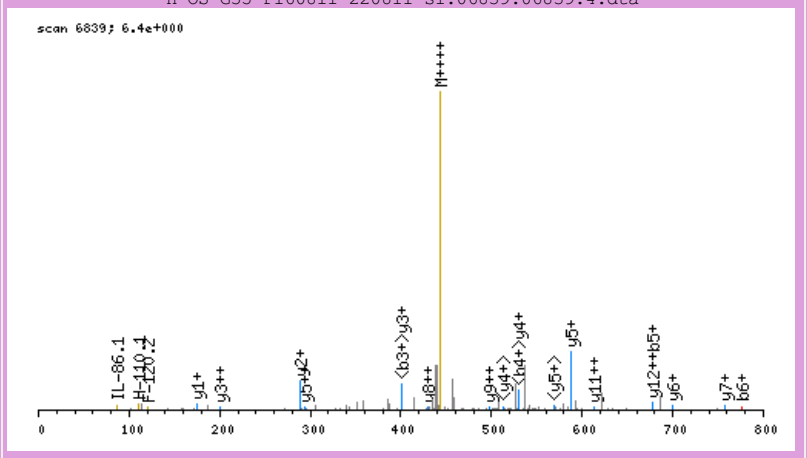
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
270.1817	2	Q	13	1531.7968	766.4023
383.2658	3	I	12	1403.7382	702.3730
454.3029	4	A	11	1290.6542	645.8310
525.3400	5	A	10	1219.6171	610.3124
626.3877	6	T	9	1148.5799	574.7939
755.4303	7	E	8	1047.5323	524.2700
868.5144	8	L	7	918.4897	459.7487
997.5570	9	E	6	805.4056	403.2067
1153.6833	10	K	5	676.3630	338.6854
1282.7259	11	E	4	520.2367	260.6223
1411.7684	12	E	3	391.1941	196.1010
1498.8005	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

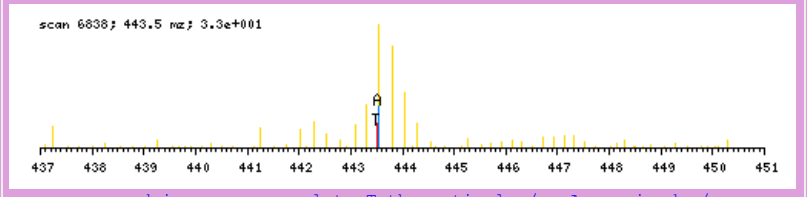
N-term:+29.04 K(10):+156.13

LRDEEVHTGLGELLR, MH+ 1770.9926, m/z 443.5036
H OS G35 P160811 220811-s1.06839.06839.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



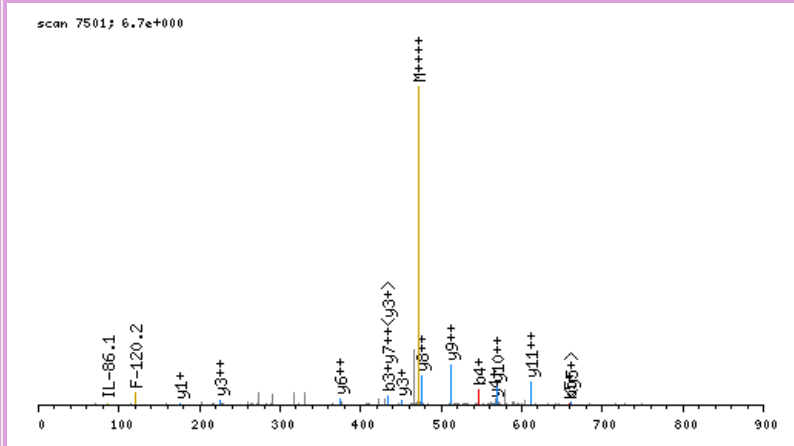
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
304.2561	2	R	14	1623.8455	812.4266
419.2830	3	D	13	1467.7443	734.3761
548.3256	4	E	12	1352.7174	**676.8626**
677.3682	5	E	11	1223.6748	**612.3413**
776.4366	6	V	10	1094.6322	547.8200
913.4955	7	H	9	995.5638	**498.2858**
1014.5432	8	T	8	858.5049	**429.7564**
1071.5647	9	G	7	**757.4572**	379.2325
1184.6487	10	L	6	**700.4357**	350.7218
1241.6702	11	G	5	**587.3517**	**294.1798**
1370.7128	12	E	4	**530.3302**	265.6690
1483.7969	13	L	3	**401.2876**	**201.1477**
1596.8809	14	L	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

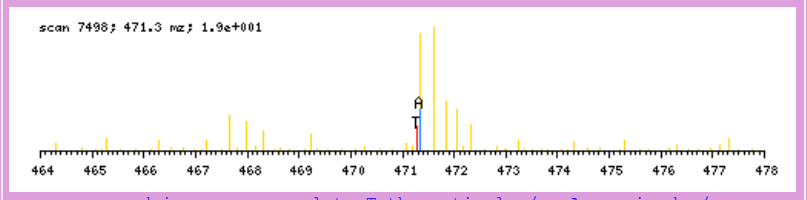
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LRELISNASDALDKIR, MH+ 1882.1398, m/z 471.2904
H OS G35 P160811 220811-s1.07501.07501.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



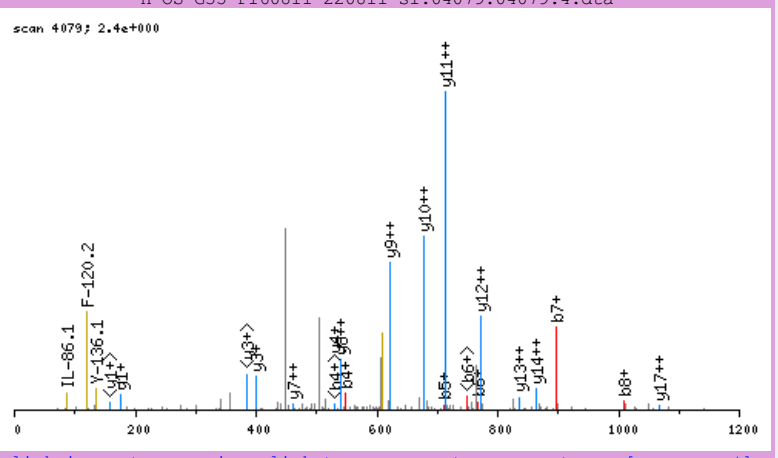
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
304.2561	2	R	15	1734.9927	868.0002
433.2987	3	E	14	1578.8915	789.9497
546.3827	4	L	13	1449.8490	725.4284
659.4668	5	I	12	1336.7649	668.8864
746.4988	6	S	11	1223.6808	**612.3443**
860.5418	7	N	10	1136.6488	**568.8283**
931.5789	8	A	9	1022.6059	**511.8068**
1018.6109	9	S	8	951.5688	**476.2883**
1133.6378	10	D	7	864.5367	**432.7723**
1204.6750	11	A	6	749.5098	**375.2588**
1317.7590	12	L	5	678.4727	339.7402
1432.7860	13	D	4	**565.3886**	283.1982
1594.9441	14	K	3	**450.3617**	**225.6847**
1708.0281	15	I	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

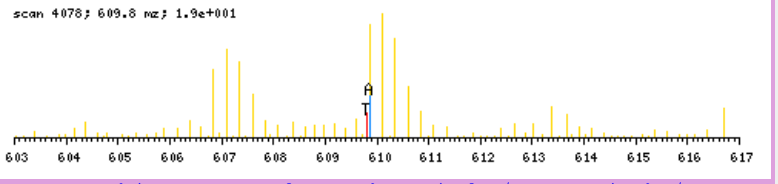
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LRENYGELADCCTKQEPER, MH+ 2436.1923, m/z 609.8035
H OS G35 P160811 220811-s1.04079.04079.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



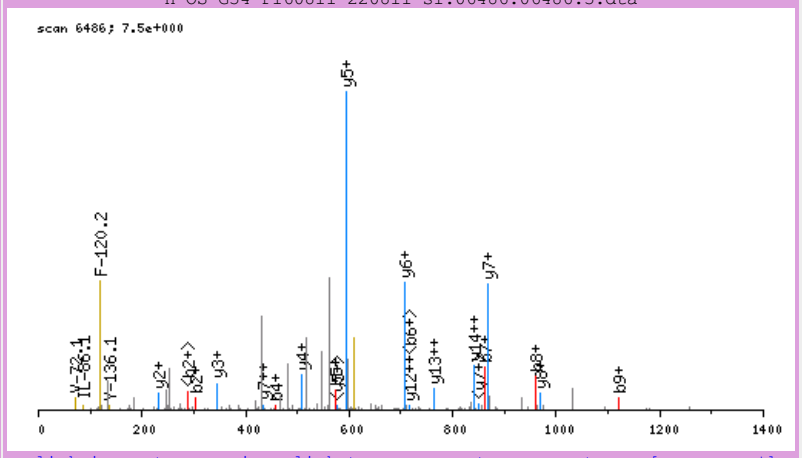
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	19		
304.2561	2	R	18	2289.0451	1145.0265
433.2987	3	E	17	2132.9440	**1066.9759**
547.3416	4	N	16	2003.9014	1002.4546
710.4049	5	Y	15	1889.8585	945.4332
767.4264	6	G	14	1726.7952	**863.9015**
896.4690	7	E	13	1669.7737	**835.3908**
1009.5530	8	L	12	1540.7311	**770.8695**
1080.5902	9	A	11	1427.6471	**714.3274**
1195.6171	10	D	10	1356.6100	**678.8089**
1355.6477	11	C	9	1241.5830	**621.2954**
1515.6783	12	C	8	1081.5524	**541.2801**
1616.7260	13	T	7	921.5218	**461.2648**
1778.8841	14	K	6	820.4741	410.7410
1906.9427	15	Q	5	658.3160	329.6619
2035.9853	16	E	4	**530.2575**	265.6326
2133.0380	17	P	3	**401.2149**	201.1113
2262.0806	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

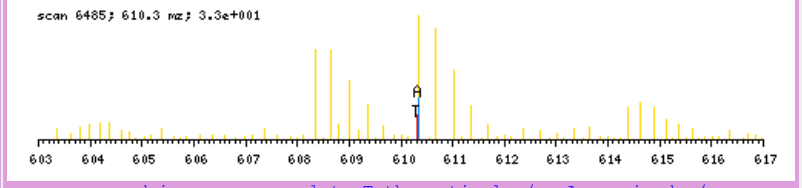
N-term:+35.07 C(11):+160.03
C(12):+160.03 K(14):+162.16

LRPGDCEVCISYLGR, MH+ 1828.9261, m/z 610.3135
H OS G34 P160811 220811-s1.06486.06486.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



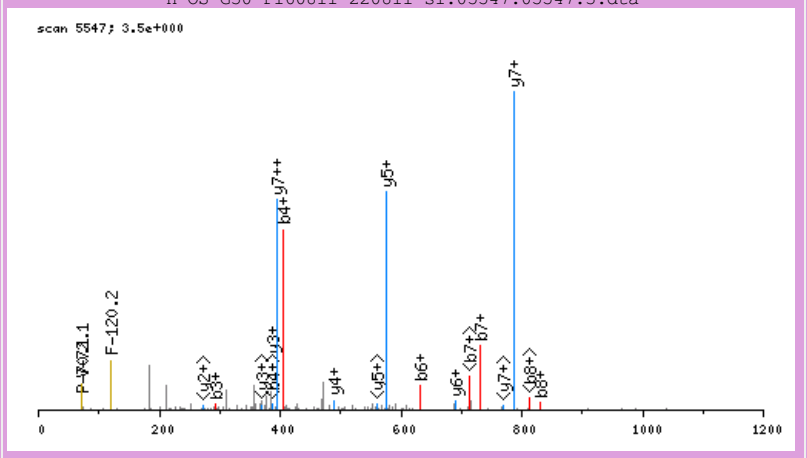
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
304.2561	2	R	14	1681.7789	**841.3934**
401.3088	3	P	13	1525.6778	**763.3428**
458.3303	4	G	12	1428.6251	**714.8164**
573.3572	5	D	11	1371.6036	686.3057
733.3878	6	C	10	1256.5767	628.7922
862.4304	7	E	9	1096.5461	548.7769
961.4989	8	V	8	**967.5035**	484.2556
1121.5295	9	C	7	**868.4350**	**434.7214**
1234.6135	10	I	6	**708.4044**	354.7061
1321.6455	11	S	5	**595.3204**	298.1641
1484.7089	12	Y	4	**508.2884**	254.6481
1597.7929	13	L	3	**345.2250**	173.1164
1654.8144	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

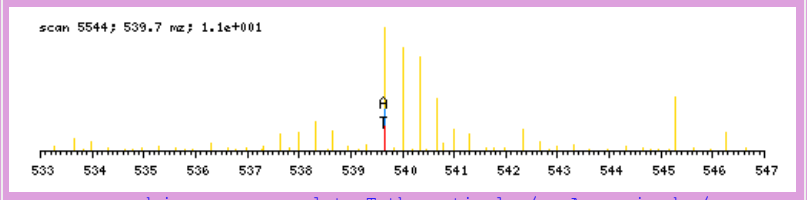
N-term:+35.07 C(6):+160.03
C(9):+160.03

LSGIPETVPLSTVNR, MH+ 1616.9435, m/z 539.6527
H OS G30 P160811 220811-s1.05547.05547.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



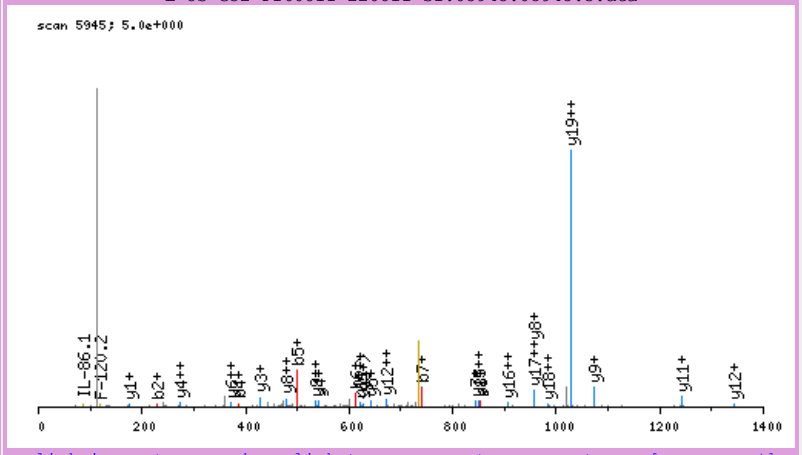
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
235.1870	2	S	14	1469.7964	735.4021
292.2085	3	G	13	1382.7644	691.8861
405.2925	4	I	12	1325.7429	663.3754
502.3453	5	P	11	1212.6588	606.8333
631.3879	6	E	10	1115.6061	558.3069
732.4356	7	T	9	986.5635	493.7856
831.5040	8	V	8	885.5158	443.2618
928.5567	9	P	7	**786.4474**	**393.7276**
1041.6408	10	L	6	**689.3946**	345.2012
1128.6728	11	S	5	**576.3105**	288.6592
1229.7205	12	T	4	**489.2785**	245.1432
1328.7889	13	V	3	**388.2308**	194.6193
1442.8318	14	N	2	289.1624	145.0851
	15	R	1	175.1195	88.0637

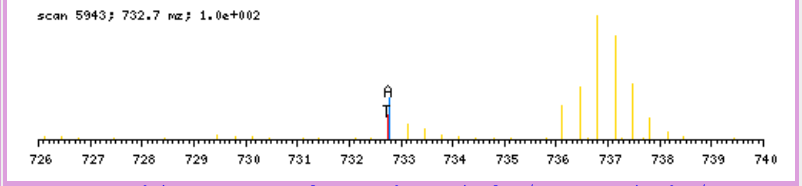
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LSGVDIQIVGDDLTVTNPKR, MH+ 2196.2240, m/z 732.7462
L OS G32 P160811 220811-s1.05945.05945.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



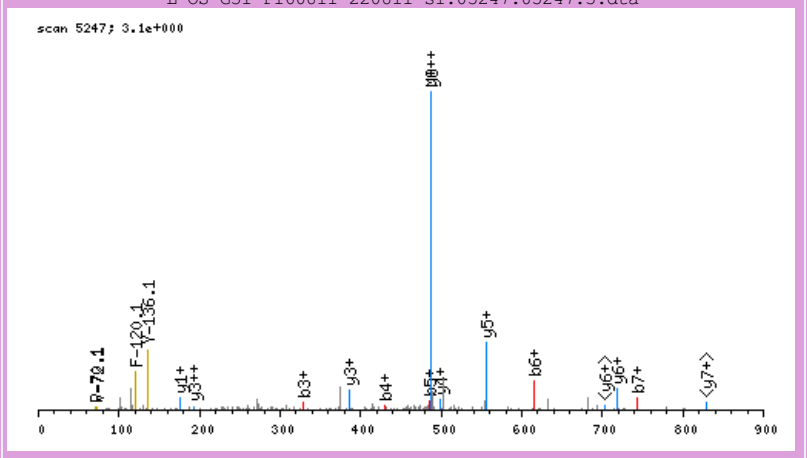
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	20		
229.1552	2	S	19	2055.1086	**1028.0582**
286.1767	3	G	18	1968.0766	**984.5422**
385.2451	4	V	17	1911.0552	**956.0315**
500.2720	5	D	16	1811.9867	**906.4973**
613.3561	6	I	15	1696.9598	**848.9838**
741.4147	7	Q	14	1583.8757	792.4418
854.4987	8	I	13	1455.8172	728.4125
953.5671	9	V	12	**1342.7331**	**671.8705**
1010.5886	10	G	11	**1243.6647**	**622.3363**
1125.6155	11	D	10	1186.6432	593.8255
1240.6425	12	D	9	**1071.6163**	**536.3120**
1353.7265	13	L	8	**956.5893**	**478.7986**
1454.7742	14	T	7	**843.5053**	422.2565
1553.8426	15	V	6	742.4576	**371.7327**
1654.8903	16	T	5	**643.3892**	322.1985
1768.9332	17	N	4	**542.3415**	**271.6747**
1865.9860	18	P	3	**428.2986**	214.6532
2022.1123	19	K	2	331.2458	166.1268
	20	R	1	**175.1195**	88.0637

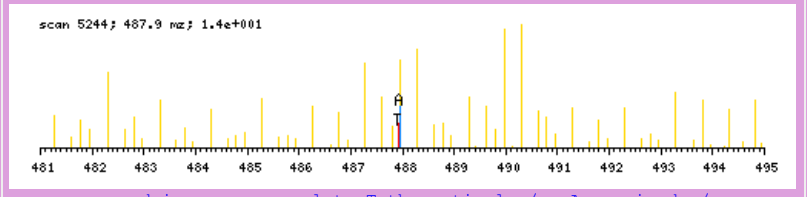
N-term:+29.04 K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LSVTGEQYGNPIR, MH+ 1461.7701, m/z 487.9282
L OS G31 P160811 220811-s1.05247.05247.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



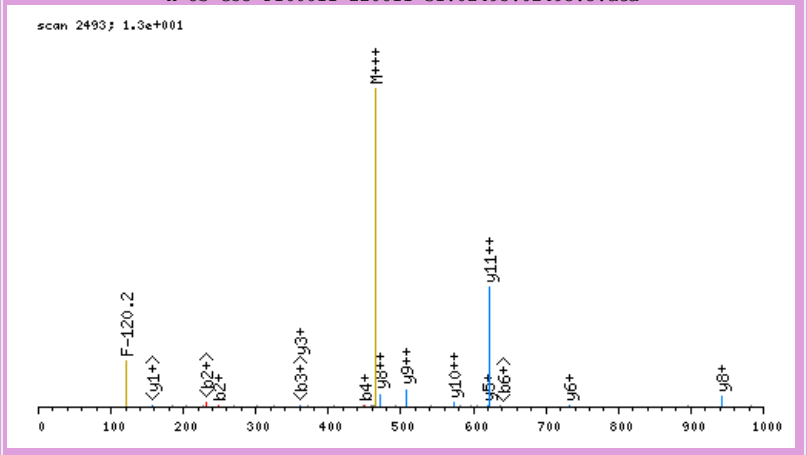
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
229.1552	2	S	12	1320.6548	660.8313
328.2236	3	V	11	1233.6228	617.3153
429.2713	4	T	10	1134.5544	567.7811
486.2927	5	G	9	1033.5067	517.2573
615.3353	6	E	8	976.4852	**488.7465**
743.3939	7	Q	7	847.4426	424.2252
906.4572	8	Y	6	**719.3840**	360.1959
963.4787	9	G	5	**556.3207**	278.6643
1077.5216	10	N	4	**499.2993**	250.1535
1174.5744	11	P	3	**385.2563**	**193.1321**
1287.6585	12	I	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

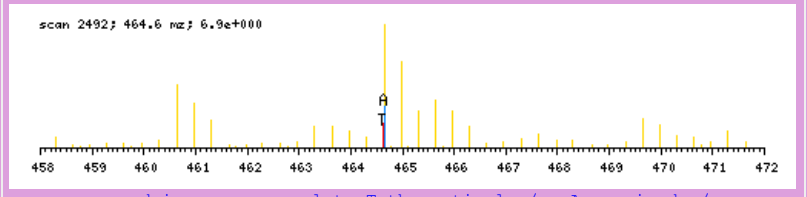
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LTEAPLNPKANR, MH+ 1391.8647, m/z 464.6264
H OS G33 P160811 220811-s1.02493.02493.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



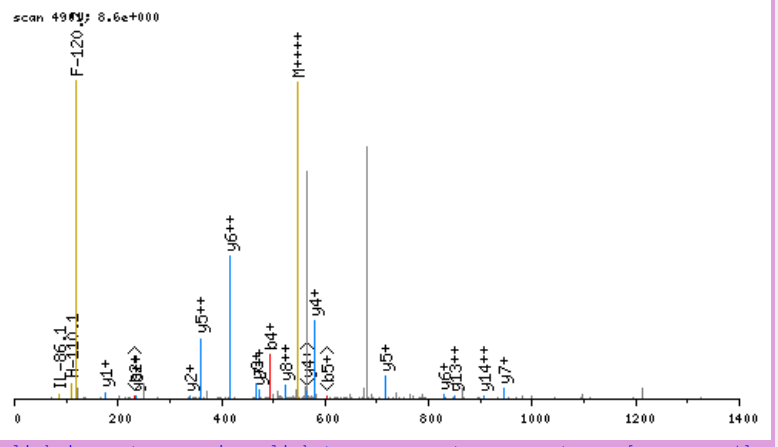
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	12		
249.2026	2	T	11	1244.7175	**622.8627**
378.2452	3	E	10	1143.6699	**572.3388**
449.2823	4	A	9	1014.6273	**507.8176**
546.3351	5	P	8	**943.5902**	**472.2990**
659.4192	6	L	7	846.5374	423.7726
773.4621	7	N	6	**733.4533**	367.2306
870.5149	8	P	5	**619.4104**	310.2091
1032.6730	9	K	4	522.3576	261.6827
1103.7101	10	A	3	**360.1995**	180.6037
1217.7530	11	N	2	289.1624	145.0851
	12	R	1	175.1195	88.0637

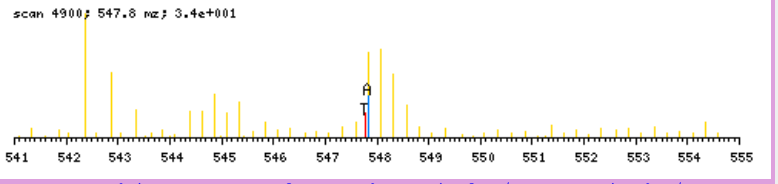
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LTEDEKQTMVDLHNQYR, MH+ 2188.1345, m/z 547.7891
H OS G34 P160811 220811-s1.04901.04901.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



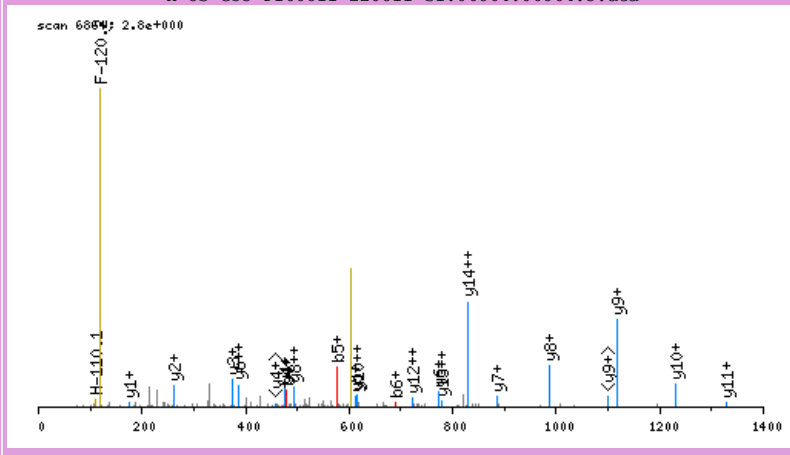
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
249.2026	2	T	16	2040.9873	1020.9976
378.2452	3	E	15	1939.9396	970.4737
493.2722	4	D	14	1810.8970	**905.9524**
622.3148	5	E	13	1695.8701	**848.4390**
784.4729	6	K	12	1566.8275	783.9177
912.5314	7	Q	11	1404.6694	702.8386
1013.5791	8	T	10	1276.6108	638.8093
1144.6196	9	M	9	1175.5632	588.2855
1243.6880	10	V	8	1044.5227	**522.7652**
1358.7150	11	D	7	**945.4543**	**473.2310**
1471.7990	12	L	6	**830.4273**	**415.7176**
1608.8579	13	H	5	**717.3432**	**359.1755**
1722.9009	14	N	4	**580.2843**	290.6461
1850.9595	15	Q	3	**466.2414**	**233.6246**
2014.0228	16	Y	2	**338.1828**	169.5953
	17	R	1	**175.1195**	88.0637

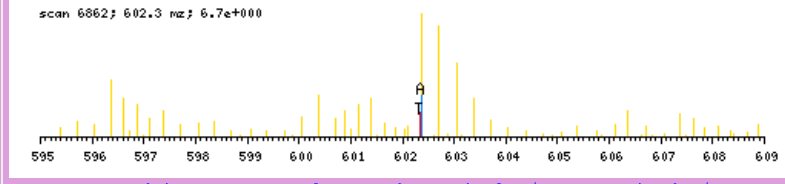
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LTLDVLETDCHVLSR, MH+ 1804.9690, m/z 602.3279
H OS G33 P160811 220811-s1.06864.06864.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



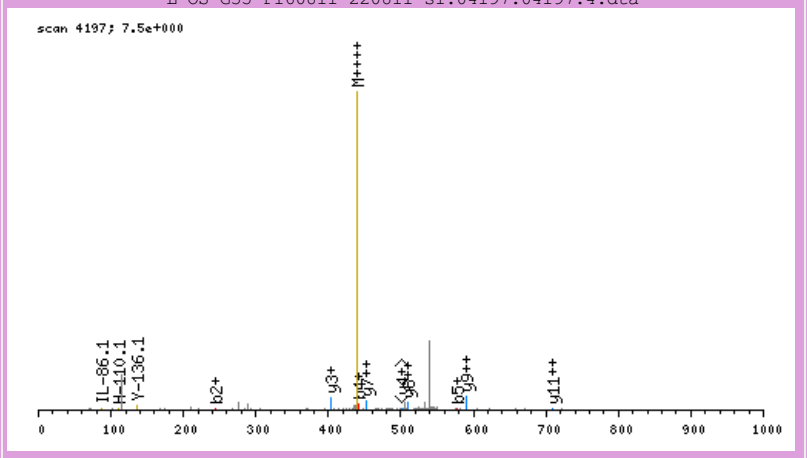
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
249.2026	2	T	14	1657.8219	**829.4149**
362.2867	3	L	13	1556.7742	**778.8910**
477.3136	4	D	12	1443.6902	**722.3490**
576.3821	5	V	11	**1328.6632**	664.8355
689.4661	6	L	10	**1229.5948**	**615.3013**
818.5087	7	E	9	**1116.5107**	558.7593
919.5564	8	T	8	**987.4681**	**494.2380**
1034.5833	9	D	7	**886.4205**	443.7141
1194.6139	10	C	6	**771.3935**	**386.2007**
1331.6729	11	H	5	**611.3629**	306.1854
1430.7413	12	V	4	**474.3040**	237.6559
1543.8253	13	L	3	**375.2356**	188.1217
1630.8574	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

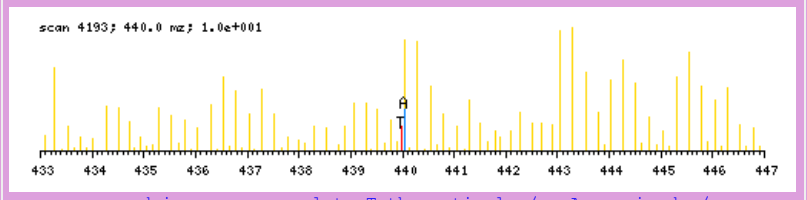
N-term:+35.07 C(10):+160.03

LTPTHYLTKQDVER, MH+ 1756.9598, m/z 439.9954
L OS G35 P160811 220811-s1.04197.04197.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



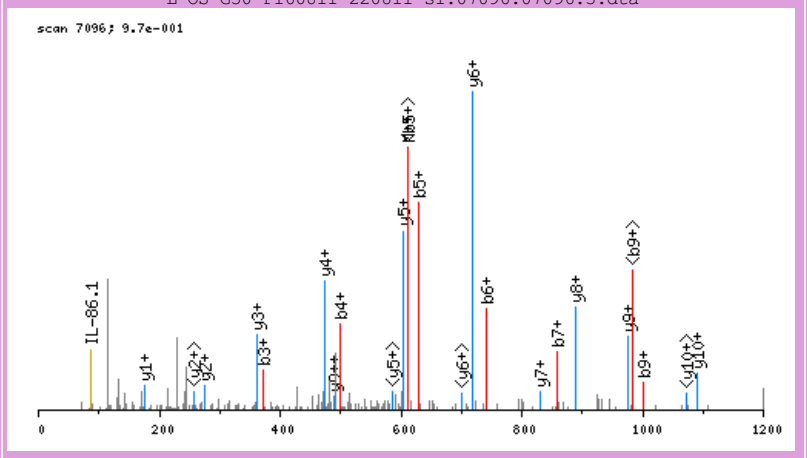
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
243.1708	2	T	13	1615.8444	808.4261
340.2236	3	P	12	1514.7968	757.9023
441.2713	4	T	11	1417.7440	**709.3759**
578.3302	5	H	10	1316.6963	658.8521
741.3935	6	Y	9	1179.6374	**590.3226**
854.4776	7	L	8	1016.5741	**508.7909**
955.5253	8	T	7	903.4900	**452.2489**
1111.6516	9	K	6	802.4423	401.7251
1239.7101	10	Q	5	646.3160	323.6619
1354.7371	11	D	4	518.2575	259.6326
1453.8055	12	V	3	**403.2305**	202.1192
1582.8481	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

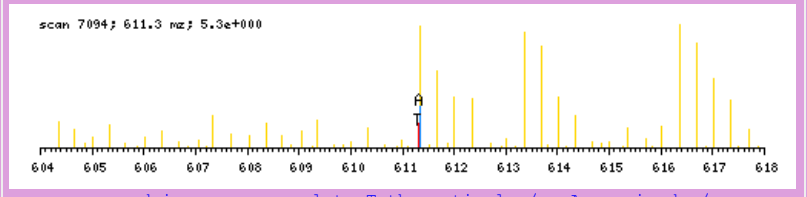
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LTQEELDSGLDELSVR, MH+ 1831.9289, m/z 611.3145
L OS G30 P160811 220811-s1.07096.07096.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



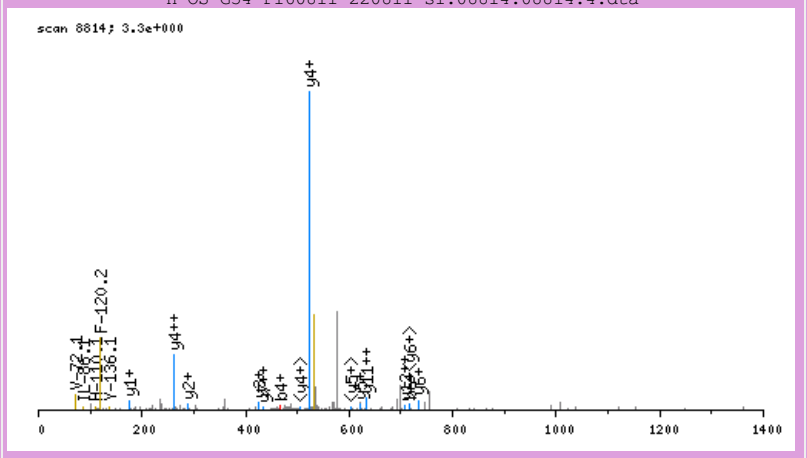
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
243.1708	2	T	15	1690.8135	845.9107
371.2294	3	Q	14	1589.7659	795.3868
500.2720	4	E	13	1461.7073	731.3576
629.3146	5	E	12	1332.6647	666.8363
742.3987	6	L	11	1203.6221	602.3150
857.4256	7	D	10	**1090.5380**	545.7729
944.4576	8	S	9	**975.5111**	**488.2595**
1001.4791	9	G	8	**888.4791**	444.7434
1114.5632	10	L	7	**831.4576**	416.2327
1229.5901	11	D	6	**718.3735**	359.6907
1358.6327	12	E	5	**603.3466**	302.1772
1471.7168	13	L	4	**474.3040**	237.6559
1558.7488	14	S	3	**361.2199**	181.1139
1657.8172	15	V	2	**274.1879**	137.5979
	16	R	1	**175.1195**	88.0637

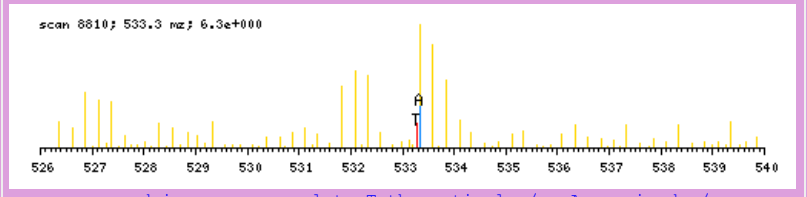
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LVAFHDFSSDLENVPHLR, MH+ 2130.1196, m/z 533.2854
H OS G34 P160811 220811-s1.08814.08814.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



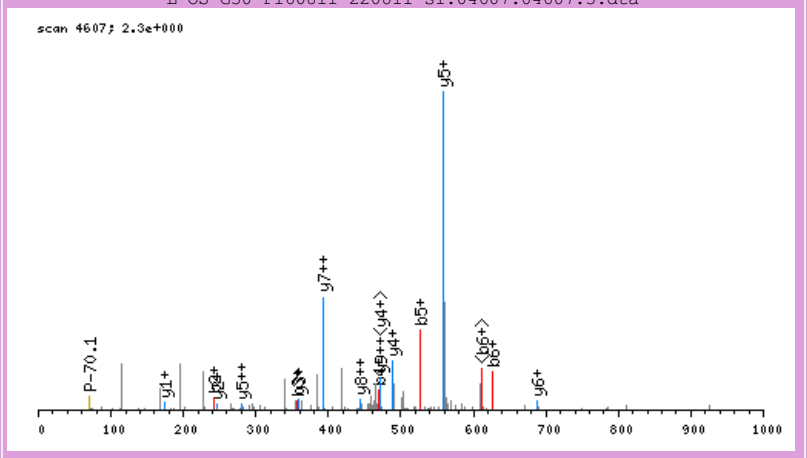
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
247.2234	2	V	17	1982.9724	991.9901
318.2605	3	A	16	1883.9040	942.4559
465.3289	4	F	15	1812.8669	906.9374
602.3878	5	H	14	1665.7985	833.4032
717.4148	6	D	13	1528.7396	764.8737
864.4832	7	F	12	1413.7127	**707.3602**
951.5152	8	S	11	1266.6442	**633.8260**
1038.5472	9	S	10	1179.6122	590.3100
1153.5742	10	D	9	1092.5802	546.7940
1266.6582	11	L	8	977.5532	489.2805
1395.7008	12	E	7	864.4692	**432.7385**
1509.7438	13	N	6	**735.4266**	368.2172
1608.8122	14	V	5	**621.3837**	311.1957
1705.8649	15	P	4	**522.3152**	**261.6615**
1842.9238	16	H	3	**425.2625**	213.1352
1956.0079	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

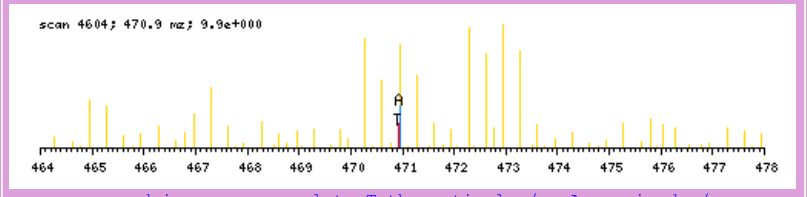
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LVDLGTPQAEIAR, MH+ 1410.7956, m/z 470.9367
L OS G30 P160811 220811-s1.04607.04607.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



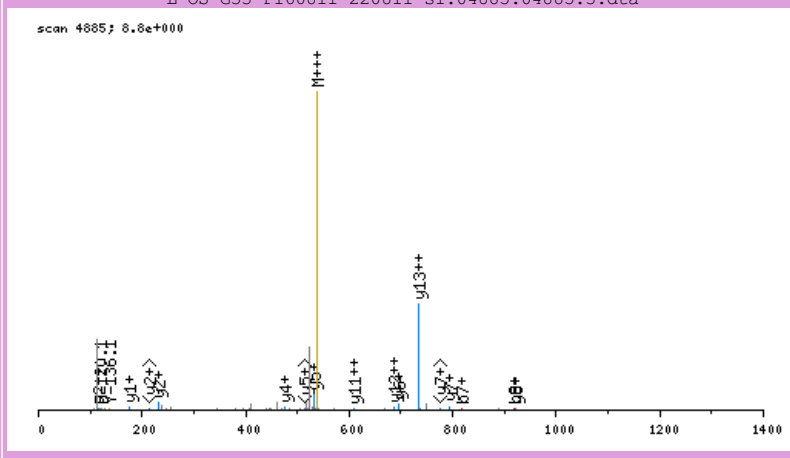
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
241.1916	2	V	12	1269.6803	635.3441
356.2185	3	D	11	1170.6119	585.8099
469.3026	4	L	10	1055.5849	528.2964
526.3240	5	G	9	942.5009	**471.7543**
627.3717	6	T	8	885.4794	**443.2436**
724.4245	7	P	7	784.4317	**392.7198**
852.4831	8	Q	6	**687.3790**	344.1934
923.5202	9	A	5	**559.3204**	**280.1641**
1052.5628	10	E	4	**488.2833**	244.6455
1165.6468	11	I	3	**359.2407**	180.1243
1236.6840	12	A	2	**246.1566**	123.5822
	13	R	1	**175.1195**	88.0637

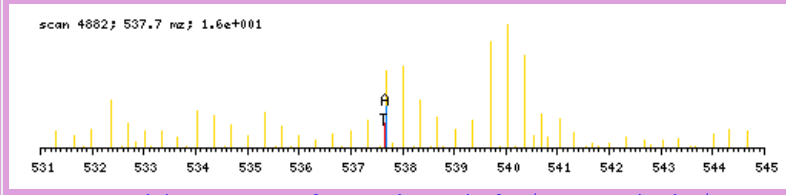
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LVRPPVQVYGIEGR, MH+ 1610.9382, m/z 537.6509
L OS G33 P160811 220811-s1.04885.04885.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



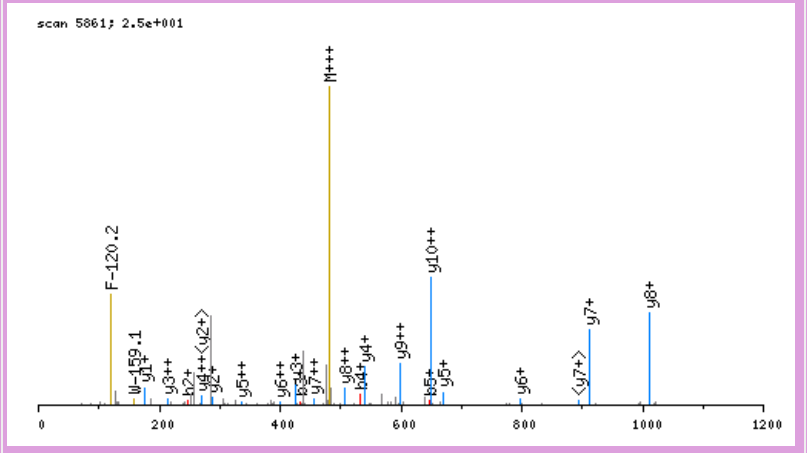
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
241.1916	2	V	13	1469.8229	**735.4153**
397.2927	3	R	12	1370.7545	**685.8811**
494.3455	4	P	11	1214.6533	**607.8306**
591.3982	5	P	10	1117.6006	559.3042
690.4666	6	V	9	1020.5478	510.7778
818.5252	7	Q	8	**921.4794**	461.2436
917.5936	8	V	7	**793.4208**	397.2143
1080.6570	9	Y	6	**694.3524**	347.6801
1137.6784	10	G	5	**531.2891**	266.1485
1250.7625	11	I	4	**474.2676**	237.6377
1379.8051	12	E	3	361.1836	181.0957
1436.8265	13	G	2	**232.1410**	**116.5744**
	14	R	1	**175.1195**	88.0637

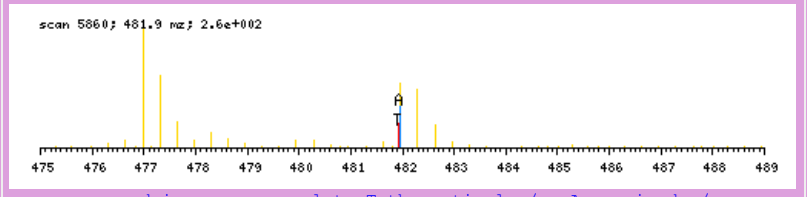
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LVWVNEEDHLR, MH+ 1443.7808, m/z 481.9318
H OS G34 P160811 220811-s1.05861.05861.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



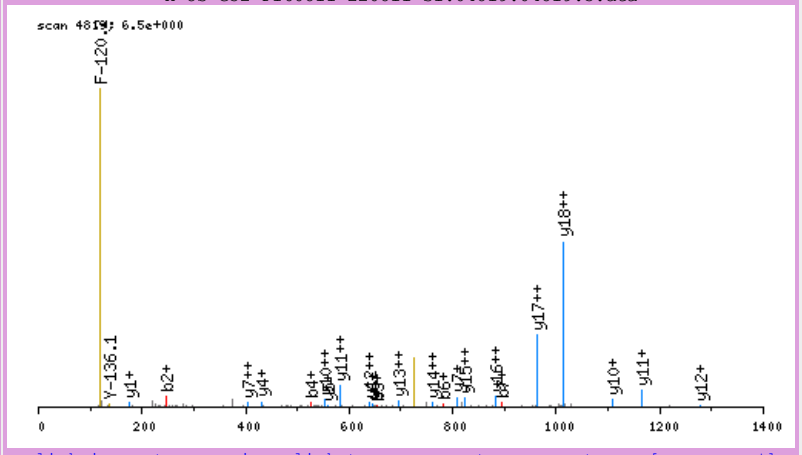
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
247.2234	2	V	10	1296.6337	648.8207
433.3027	3	W	9	1197.5653	599.2865
532.3711	4	V	8	1011.4859	506.2469
646.4140	5	N	7	912.4175	456.7127
775.4566	6	E	6	798.3746	399.6912
904.4992	7	E	5	669.3320	335.1699
1019.5262	8	D	4	540.2894	270.6486
1156.5851	9	H	3	425.2625	213.1352
1269.6691	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

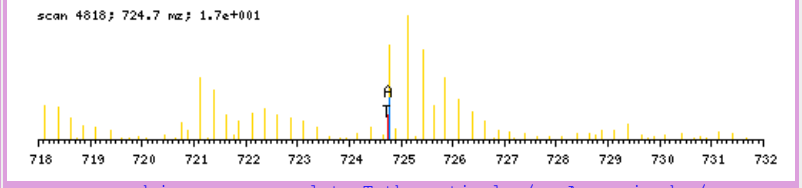
N-term:+35.07

LVYDQELLGPSDKSEAALR, MH+ 2172.2188, m/z 724.7445
H OS G32 P160811 220811-s1.04819.04819.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]

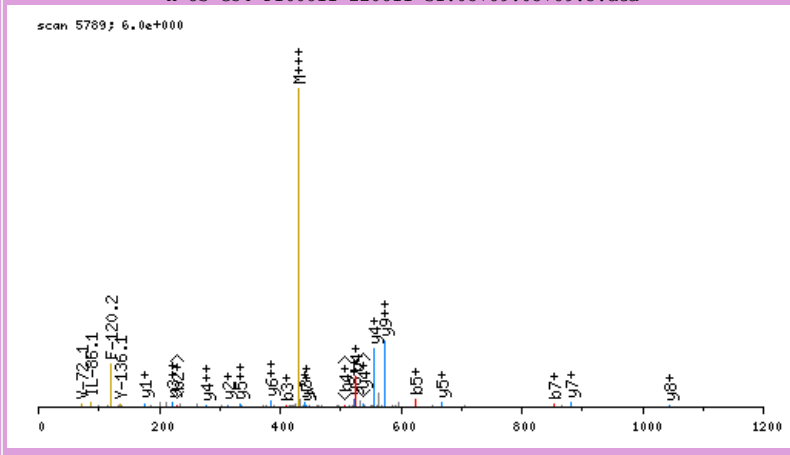


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

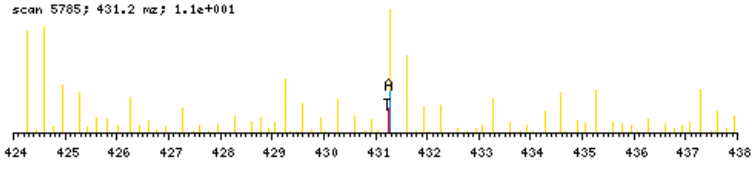
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	19		
247.2234	2	V	18	2025.0717	**1013.0398**
410.2867	3	Y	17	1926.0033	**963.5056**
525.3136	4	D	16	1762.9400	**881.9739**
653.3722	5	Q	15	1647.9130	**824.4604**
782.4148	6	E	14	1519.8544	**760.4311**
895.4989	7	L	13	1390.8118	**695.9098**
1008.5829	8	L	12	**1277.7278**	**639.3678**
1065.6044	9	G	11	**1164.6437**	**582.8258**
1162.6572	10	P	10	**1107.6222**	**554.3150**
1249.6892	11	S	9	1010.5695	505.7887
1364.7161	12	D	8	923.5375	462.2726
1526.8742	13	K	7	**808.5105**	**404.7592**
1613.9063	14	S	6	**646.3524**	323.6801
1742.9489	15	E	5	**559.3204**	280.1641
1813.9860	16	A	4	**430.2778**	215.6428
1885.0231	17	A	3	359.2407	180.1243
1998.1072	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

N-term:+35.07 K(13):+162.16

LVYDVLDQHR, MH+ 1291.7222, m/z 431.2456
H OS G34 P160811 220811-s1.05789.05789.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

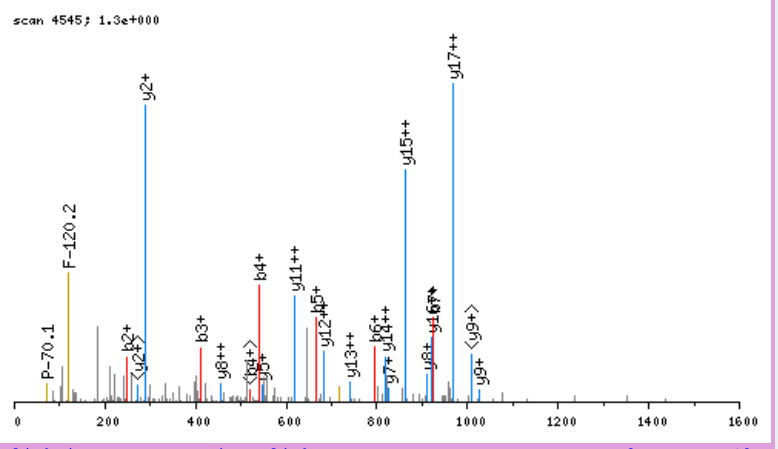
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	10		
247.2234	2	V	9	1144.5751	572.7915
410.2867	3	Y	8	1045.5067	523.2573
525.3136	4	D	7	882.4434	441.7256
624.3821	5	V	6	767.4164	384.2121
737.4661	6	L	5	668.3480	334.6779
852.4931	7	D	4	555.2639	278.1359
980.5516	8	Q	3	440.2370	220.6224
1117.6106	9	H	2	312.1784	156.5931
	10	R	1	175.1195	88.0637

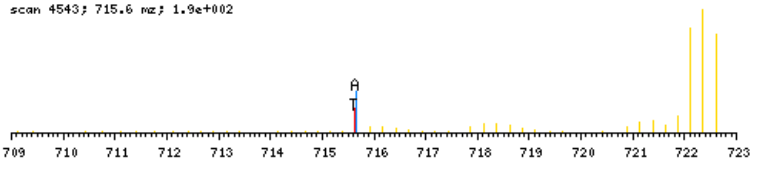
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LVYEQEQPLSCDEPILSNKSGDNR, MH+ 2859.4470, m/z 715.6172
H OS G32 P160811 220811-s1.04545.04545.4.dta



click image to zoom in; click top corners to zoom out [precursor]



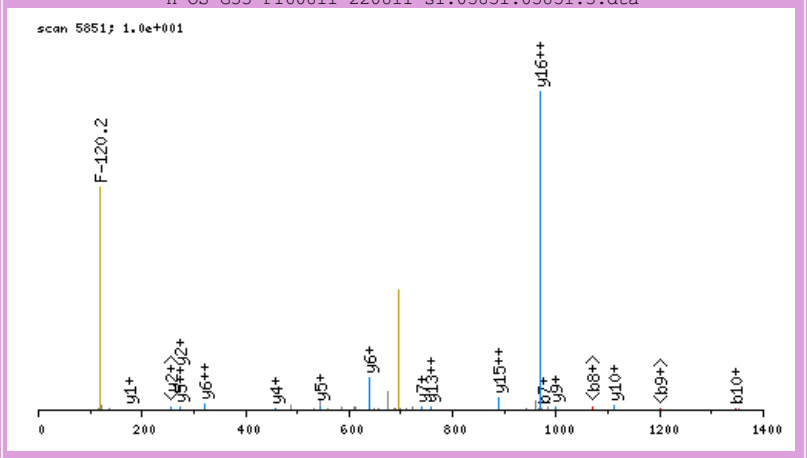
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	24		
247.2234	2	V	23	2712.2999	1356.6539
410.2867	3	Y	22	2613.2315	1307.1196
539.3293	4	E	21	2450.1681	1225.5880
667.3879	5	Q	20	2321.1256	1161.0667
796.4305	6	E	19	2193.0670	1097.0374
924.4890	7	Q	18	2064.0244	1032.5161
1021.5418	8	P	17	1935.9658	**968.4868**
1134.6259	9	L	16	1838.9130	**919.9604**
1221.6579	10	S	15	1725.8290	**863.4184**
1381.6885	11	C	14	1638.7969	**819.9024**
1496.7154	12	D	13	1478.7663	**739.8871**
1625.7580	13	E	12	1363.7394	**682.3736**
1722.8108	14	P	11	1234.6968	**617.8523**
1835.8949	15	I	10	1137.6440	569.3259
1948.9789	16	L	9	**1024.5600**	512.7839
2036.0110	17	S	8	**911.4759**	**456.2419**
2150.0539	18	N	7	**824.4439**	412.7259
2312.2120	19	K	6	710.4010	355.7044
2399.2440	20	S	5	**548.2429**	274.6253
2456.2655	21	G	4	461.2108	231.1093
2571.2924	22	D	3	404.1894	202.5986
2685.3354	23	N	2	**289.1624**	145.0851
	24	R	1	175.1195	88.0637

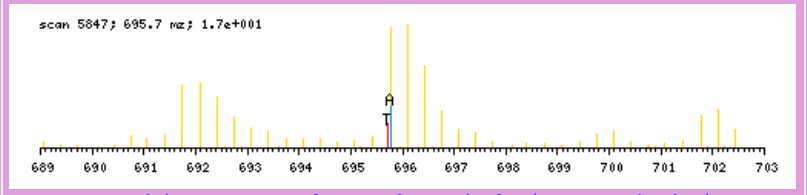
N-term:+35.07 C(11):+160.03
K(19):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LYMEKNQLEEVPSALPR, MH+ 2085.1690, m/z 695.7279
H OS G33 P160811 220811-s1.05851.05851.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



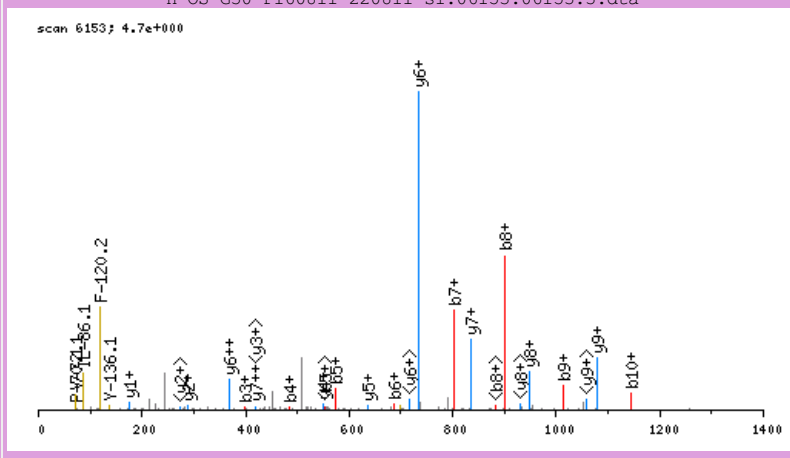
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	17		
311.2183	2	Y	16	1938.0219	**969.5149**
442.2588	3	M	15	1774.9586	**887.9832**
571.3014	4	E	14	1643.9181	822.4630
733.4595	5	K	13	1514.8755	**757.9417**
847.5024	6	N	12	1352.7174	676.8626
975.5610	7	Q	11	1238.6745	619.8412
1088.6450	8	L	10	**1110.6159**	555.8119
1217.6876	9	E	9	**997.5318**	499.2698
1346.7302	10	E	8	868.4892	434.7485
1445.7986	11	V	7	**739.4466**	370.2272
1542.8514	12	P	6	**640.3782**	**320.6930**
1629.8834	13	S	5	**543.3255**	**272.1666**
1700.9205	14	A	4	**456.2934**	228.6506
1814.0046	15	L	3	385.2563	193.1321
1911.0574	16	P	2	**272.1723**	136.5900
	17	R	1	**175.1195**	88.0637

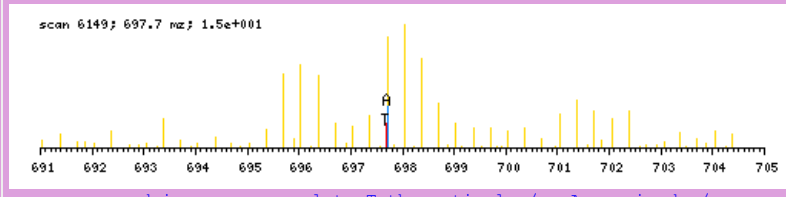
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LYSSSDDVIELTPSNFNR, MH+ 2091.0458, m/z 697.6868
H OS G30 P160811 220811-s1.06153.06153.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



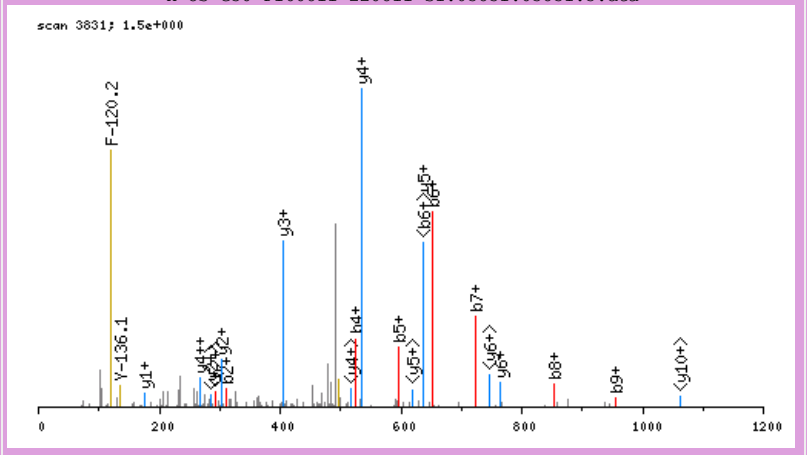
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
311.2183	2	Y	17	1943.8987	972.4533
398.2503	3	S	16	1780.8353	890.9216
485.2823	4	S	15	1693.8033	847.4056
572.3144	5	S	14	1606.7713	803.8896
687.3413	6	D	13	1519.7393	760.3735
802.3683	7	D	12	1404.7123	702.8601
901.4367	8	V	11	1289.6854	645.3466
1014.5207	9	I	10	1190.6170	595.8124
1143.5633	10	E	9	**1077.5329**	539.2704
1256.6474	11	L	8	**948.4903**	474.7491
1357.6951	12	T	7	**835.4062**	**418.2070**
1454.7478	13	P	6	**734.3586**	**367.6832**
1541.7799	14	S	5	**637.3058**	319.1568
1655.8228	15	N	4	**550.2738**	275.6408
1802.8912	16	F	3	436.2308	218.6193
1916.9341	17	N	2	**289.1624**	145.0851
	18	R	1	**175.1195**	88.0637

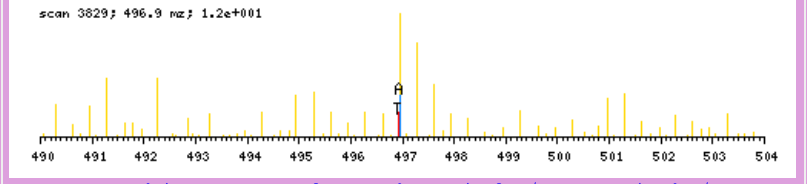
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LYVDAGAETMTQR, MH+ 1488.7580, m/z 496.9242
H OS G30 P160811 220811-s1.03831.03831.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



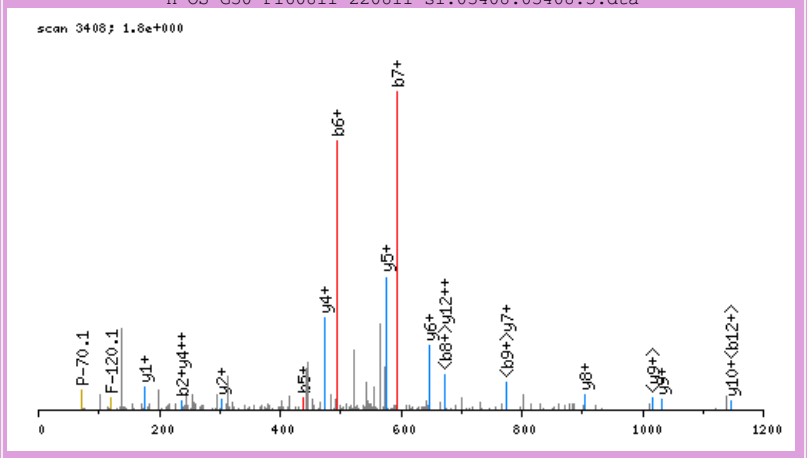
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	13		
311.2183	2	Y	12	1341.6109	671.3094
410.2867	3	V	11	1178.5476	589.7777
525.3136	4	D	10	1079.4791	540.2435
596.3508	5	A	9	964.4522	482.7300
653.3722	6	G	8	893.4151	447.2115
724.4093	7	A	7	836.3936	418.7007
853.4519	8	E	6	**765.3565**	383.1822
954.4996	9	T	5	**636.3139**	318.6609
1085.5401	10	M	4	**535.2662**	**268.1370**
1186.5878	11	T	3	**404.2258**	202.6168
1314.6464	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

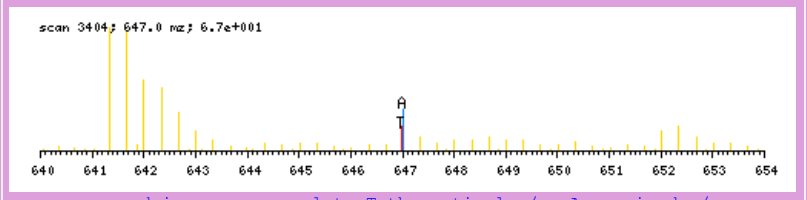
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MASGGGVPTDEEQATGLER, MH+ 1938.9291, m/z 646.9812
H OS G30 P160811 220811-s1.03408.03408.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



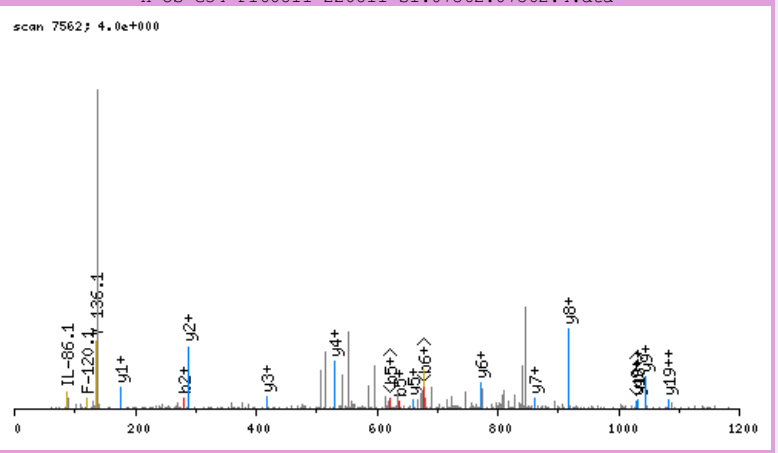
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	19		
237.1485	2	A	18	1773.8255	887.4167
324.1805	3	S	17	1702.7884	851.8981
381.2020	4	G	16	1615.7564	808.3821
438.2235	5	G	15	1558.7349	779.8714
495.2449	6	G	14	1501.7134	751.3606
594.3133	7	V	13	1444.6920	722.8499
691.3661	8	P	12	1345.6236	**673.3157**
792.4138	9	T	11	1248.5708	624.7893
907.4407	10	D	10	**1147.5231**	574.2655
1036.4833	11	E	9	**1032.4962**	516.7520
1165.5259	12	E	8	**903.4536**	452.2307
1293.5845	13	Q	7	**774.4110**	387.7094
1364.6216	14	A	6	**646.3524**	323.6801
1465.6693	15	T	5	**575.3153**	288.1616
1522.6907	16	G	4	**474.2676**	**237.6377**
1635.7748	17	L	3	417.2462	209.1270
1764.8174	18	E	2	**304.1621**	152.5850
	19	R	1	**175.1195**	88.0637

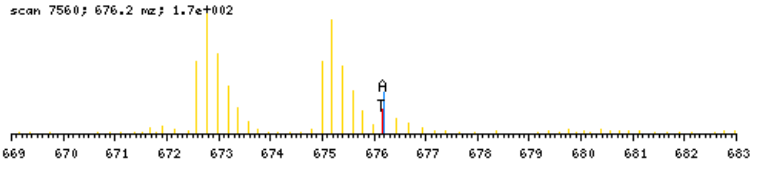
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MDQQTGNLKKALLLQGSNEIELR, MH+ 2701.5771, m/z 676.1497
H OS G34 P160811 220811-s1.07562.07562.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



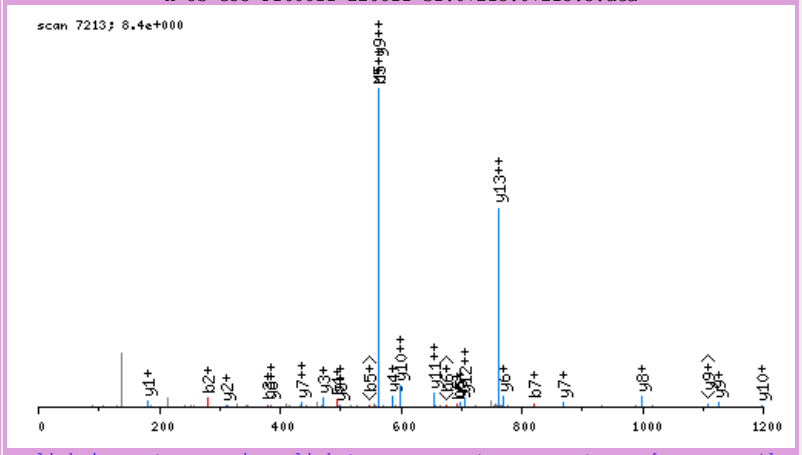
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	23		
281.1383	2	D	22	2536.4735	1268.7407
409.1969	3	Q	21	2421.4466	1211.2272
537.2555	4	Q	20	2293.3880	1147.1979
638.3032	5	T	19	2165.3295	**1083.1686**
695.3246	6	G	18	2064.2818	**1032.6448**
809.3676	7	N	17	2007.2603	1004.1341
922.4516	8	L	16	1893.2174	947.1126
1084.6097	9	K	15	1780.1333	890.5706
1246.7678	10	K	14	1617.9752	809.4915
1317.8049	11	A	13	1455.8171	728.4125
1430.8890	12	L	12	1384.7800	692.8939
1543.9731	13	L	11	1271.6959	636.3519
1657.0571	14	L	10	1158.6119	579.8099
1785.1157	15	Q	9	**1045.5278**	523.2678
1842.1372	16	G	8	**917.4692**	459.2385
1929.1692	17	S	7	**860.4478**	430.7278
2043.2121	18	N	6	**773.4157**	387.2118
2172.2547	19	E	5	**659.3728**	330.1903
2285.3388	20	I	4	**530.3302**	265.6690
2414.3814	21	E	3	**417.2462**	209.1270
2527.4654	22	L	2	**288.2036**	144.6057
	23	R	1	**175.1195**	88.0637

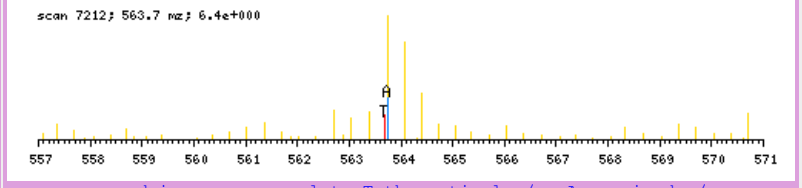
N-term:+35.07 K(9):+162.16
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MDVLAQEVALLKEK, MH+ 1689.0721, m/z 563.6956
H OS G33 P160811 220811-s1.07213.07213.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



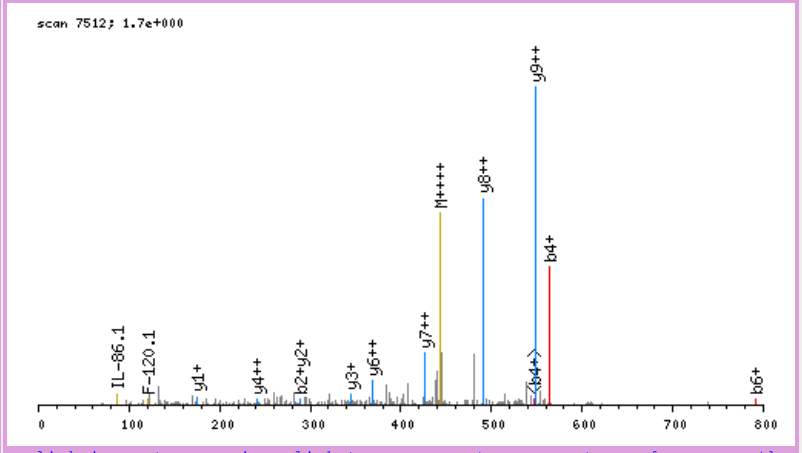
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	14		
281.1383	2	D	13	1523.9685	762.4882
380.2067	3	V	12	1408.9416	704.9747
493.2908	4	L	11	1309.8732	655.4405
564.3279	5	A	10	1196.7891	598.8985
692.3865	6	Q	9	1125.7520	563.3799
821.4291	7	E	8	997.6934	499.3506
920.4975	8	V	7	868.6508	434.8293
991.5346	9	A	6	769.5824	385.2951
1104.6187	10	L	5	698.5453	349.7766
1217.7027	11	L	4	585.4612	293.2345
1379.8608	12	K	3	472.3772	236.6925
1508.9034	13	E	2	310.2191	155.6135
	14	K	1	181.1765	91.0922

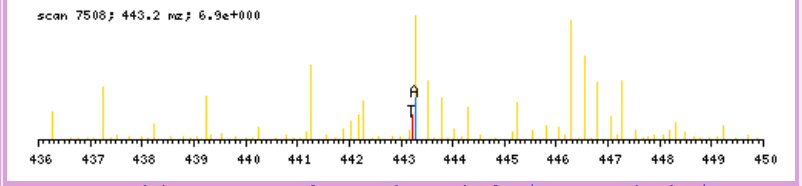
N-term:+35.07 K(12):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MECNLDELVKHGLR, MH+ 1769.9042, m/z 443.2315
L OS G35 P160811 220811-s1.07512.07512.4.dta



click image to zoom in; click top corners to zoom out [precursor]



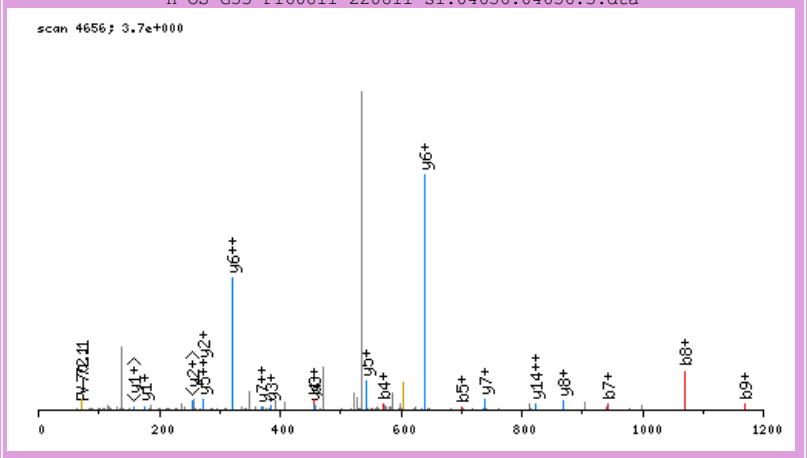
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
289.1222	2	E	13	1610.8324	805.9201
449.1528	3	C	12	1481.7898	741.3988
563.1957	4	N	11	1321.7592	661.3835
676.2798	5	L	10	1207.7163	604.3621
791.3067	6	D	9	1094.6323	**547.8200**
920.3493	7	E	8	979.6053	**490.3066**
1033.4334	8	L	7	850.5627	**425.7853**
1132.5018	9	V	6	737.4787	**369.2432**
1288.6281	10	K	5	638.4102	319.7090
1425.6870	11	H	4	482.2839	**241.6459**
1482.7085	12	G	3	**345.2250**	173.1164
1595.7925	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

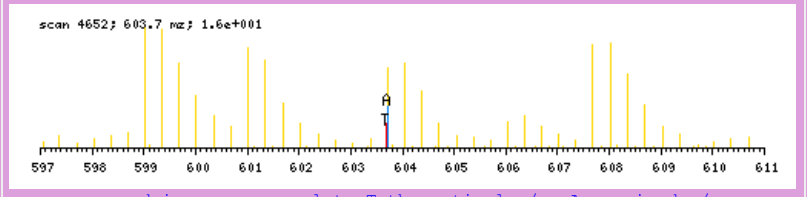
N-term:+29.04 C(3):+160.03
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MEKNQLEEVPSALPR, MH+ 1809.0217, m/z 603.6787
H OS G33 P160811 220811-s1.04656.04656.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



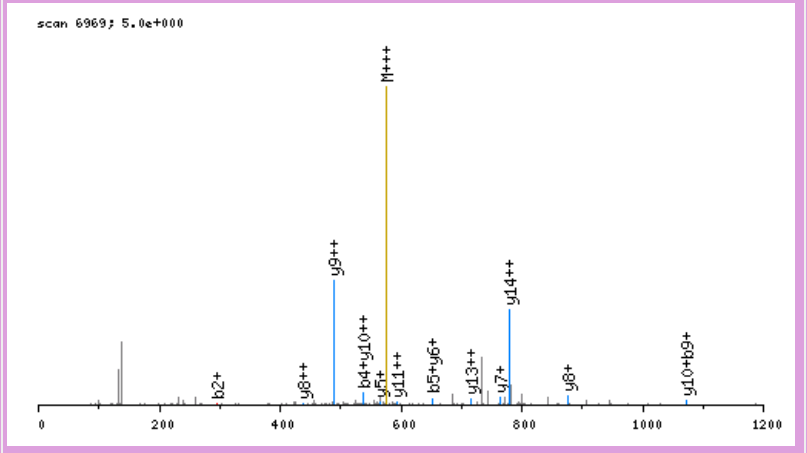
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	15		
295.1540	2	E	14	1643.9181	**822.4630**
457.3121	3	K	13	1514.8755	757.9417
571.3550	4	N	12	1352.7174	676.8626
699.4136	5	Q	11	1238.6745	619.8412
812.4976	6	L	10	1110.6159	555.8119
941.5402	7	E	9	997.5318	499.2698
1070.5828	8	E	8	**868.4892**	434.7485
1169.6512	9	V	7	**739.4466**	**370.2272**
1266.7040	10	P	6	**640.3782**	**320.6930**
1353.7360	11	S	5	**543.3255**	**272.1666**
1424.7732	12	A	4	**456.2934**	228.6506
1537.8572	13	L	3	**385.2563**	193.1321
1634.9100	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

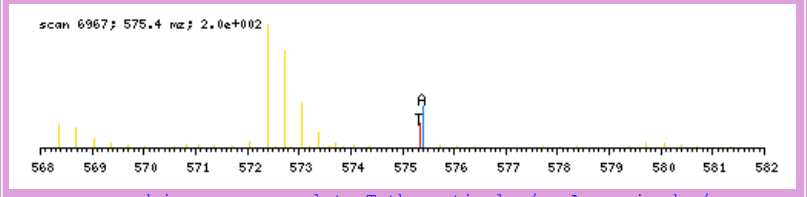
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MELENPVLISLGKGR, MH+ 1724.0417, m/z 575.3521
H OS G33 P160811 220811-s1.06969.06969.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



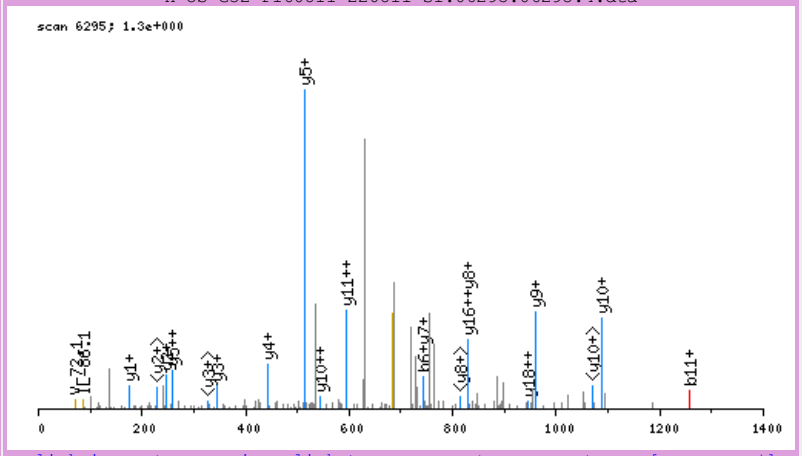
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	15		
295.1540	2	E	14	1558.9381	**779.9730**
408.2380	3	L	13	1429.8955	**715.4517**
537.2806	4	E	12	1316.8114	658.9096
651.3236	5	N	11	1187.7689	**594.3883**
748.3763	6	P	10	**1073.7259**	**537.3669**
847.4447	7	V	9	976.6732	**488.8405**
960.5288	8	L	8	**877.6047**	**439.3063**
1073.6129	9	I	7	**764.5207**	382.7643
1160.6449	10	S	6	**651.4366**	326.2222
1273.7290	11	L	5	**564.4046**	282.7062
1330.7504	12	G	4	451.3205	226.1642
1492.9085	13	K	3	394.2991	197.6534
1549.9300	14	G	2	232.1410	116.5744
	15	R	1	175.1195	88.0637

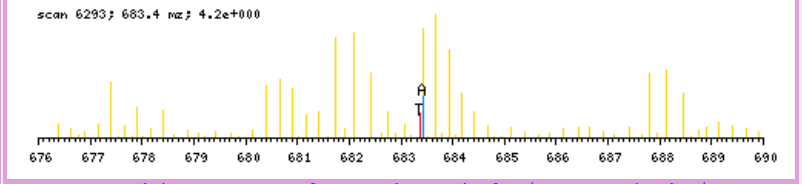
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MEQASKTVQDALSSVQESDIAVVAR, MH+ 2730.4620, m/z 683.3710
H OS G32 P160811 220811-s1.06295.06295.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



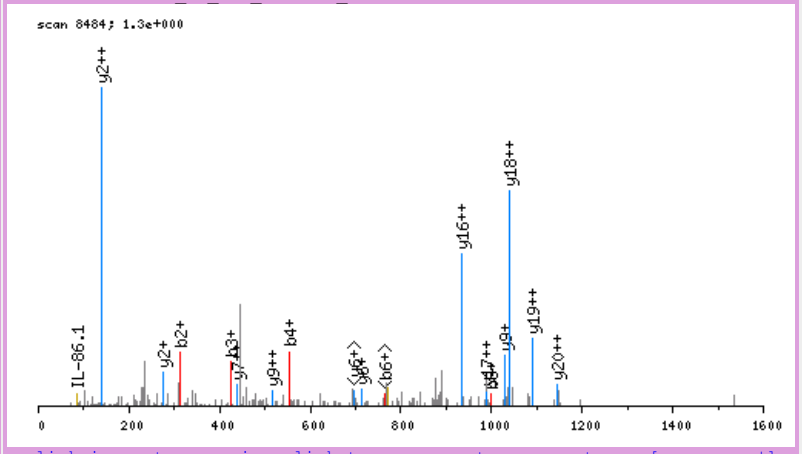
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	25		
295.1540	2	E	24	2565.3584	1283.1831
423.2126	3	Q	23	2436.3158	1218.6618
494.2497	4	A	22	2308.2573	1154.6325
581.2817	5	S	21	2237.2202	1119.1140
743.4398	6	K	20	2150.1881	1075.5980
844.4875	7	T	19	1988.0300	994.5189
943.5559	8	V	18	1886.9823	**943.9951**
1071.6145	9	Q	17	1787.9139	894.4609
1186.6414	10	D	16	1659.8554	**830.4316**
1257.6785	11	A	15	1544.8284	772.9181
1370.7626	12	L	14	1473.7913	737.3996
1457.7946	13	S	13	1360.7072	680.8575
1544.8266	14	S	12	1273.6752	637.3415
1643.8951	15	V	11	1186.6432	**593.8255**
1771.9536	16	Q	10	**1087.5748**	**544.2913**
1900.9962	17	E	9	**959.5162**	480.2620
1988.0283	18	S	8	**830.4736**	415.7407
2103.0552	19	D	7	**743.4416**	372.2247
2216.1393	20	I	6	628.4146	314.7112
2287.1764	21	A	5	**515.3306**	**258.1692**
2386.2448	22	V	4	**444.2934**	222.6506
2485.3132	23	V	3	**345.2250**	173.1164
2556.3503	24	A	2	**246.1566**	123.5822
	25	R	1	**175.1195**	88.0637

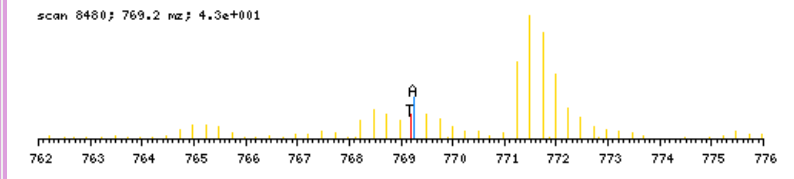
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MFIQTQDTPNPNSLKFIPGKPVLETR, MH+ 3073.7609, m/z 769.1957
H_OS_G34_P160811_220811-s1.08484.08484.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



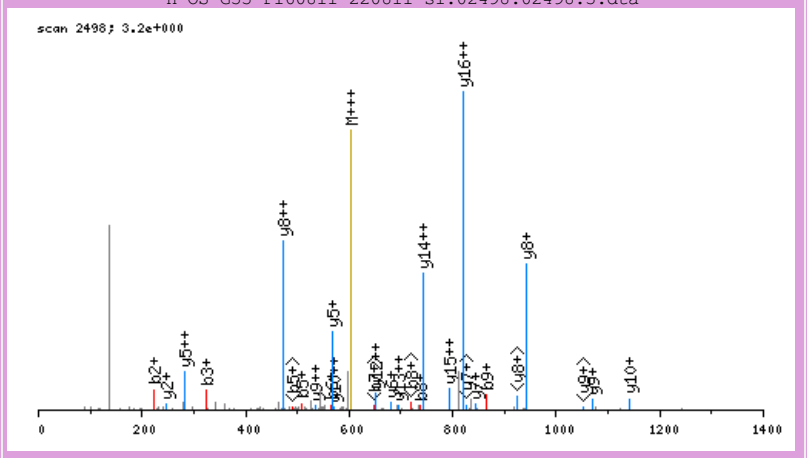
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	26		
313.1798	2	F	25	2908.6573	1454.8326
426.2639	3	I	24	2761.5889	1381.2984
554.3224	4	Q	23	2648.5049	1324.7563
655.3701	5	T	22	2520.4463	1260.7270
783.4287	6	Q	21	2419.3986	1210.2032
898.4556	7	D	20	2291.3400	**1146.1739**
999.5033	8	T	19	2176.3131	**1088.6604**
1096.5561	9	P	18	2075.2654	**1038.1366**
1210.5990	10	N	17	1978.2126	**989.6102**
1307.6518	11	P	16	1864.1697	**932.5888**
1421.6947	12	N	15	1767.1169	884.0624
1508.7267	13	S	14	1653.0740	827.0409
1621.8108	14	L	13	1566.0420	783.5249
1783.9689	15	K	12	1452.9579	726.9829
1931.0373	16	F	11	1290.7998	645.9038
2044.1214	17	I	10	1143.7314	572.3696
2141.1741	18	P	9	**1030.6473**	**515.8276**
2198.1956	19	G	8	933.5946	467.3012
2360.3537	20	K	7	876.5731	**438.7905**
2457.4065	21	P	6	**714.4150**	357.7114
2556.4749	22	V	5	617.3623	309.1850
2669.5589	23	L	4	518.2938	259.6508
2798.6015	24	E	3	405.2098	203.1088
2899.6492	25	T	2	**276.1672**	**138.5875**
	26	R	1	175.1195	88.0637

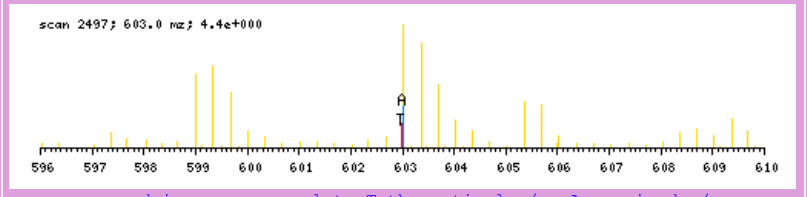
N-term:+35.07 K(15):+162.16
K(20):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MGTPSGTAEPYDGTKAR, MH+ 1806.9332, m/z 602.9826
H OS G33 P160811 220811-s1.02498.02498.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



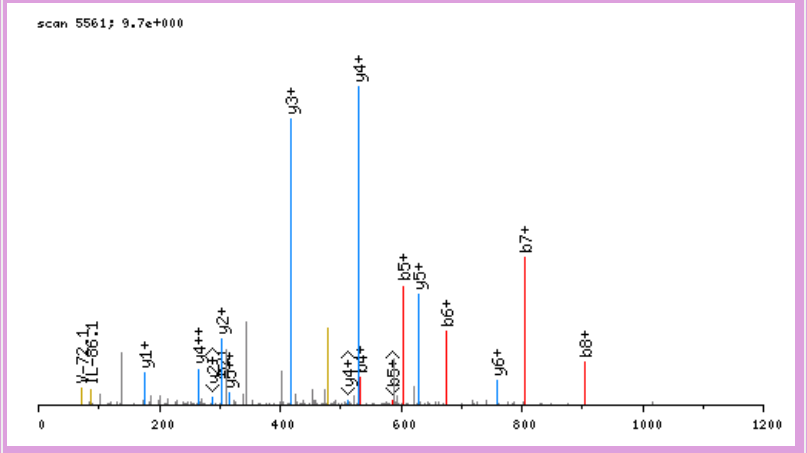
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	17		
223.1328	2	G	16	1641.8297	821.4188
324.1805	3	T	15	1584.8082	792.9080
421.2333	4	P	14	1483.7605	742.3842
508.2653	5	S	13	1386.7078	693.8578
565.2868	6	G	12	1299.6757	650.3418
666.3345	7	T	11	1242.6543	621.8311
737.3716	8	A	10	1141.6066	571.3072
866.4142	9	E	9	1070.5695	535.7887
963.4669	10	P	8	941.5269	471.2674
1126.5303	11	Y	7	844.4741	422.7410
1241.5572	12	D	6	681.4108	341.2093
1298.5787	13	G	5	566.3839	283.6958
1399.6263	14	T	4	509.3624	255.1851
1561.7844	15	K	3	408.3147	204.6613
1632.8216	16	A	2	246.1566	123.5822
	17	R	1	175.1195	88.0637

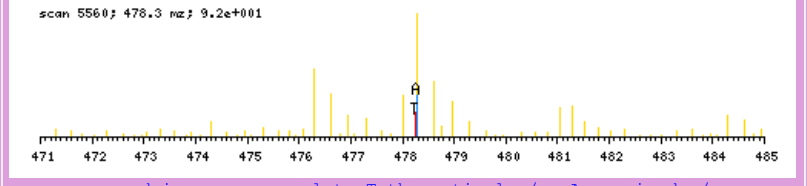
N-term:+35.07 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MHTEAAEVLLER, MH+ 1432.7682, m/z 478.2609
H OS G34 P160811 220811-s1.05561.05561.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



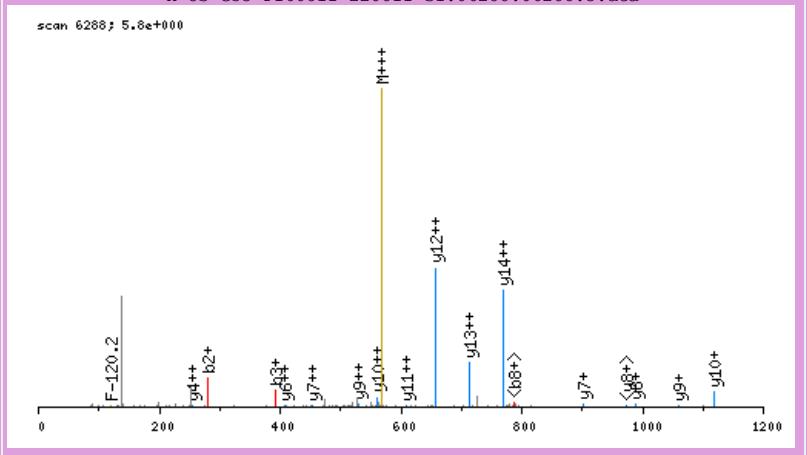
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	12		
303.1703	2	H	11	1267.6646	634.3362
404.2180	3	T	10	1130.6057	565.8068
533.2606	4	E	9	1029.5580	515.2829
604.2977	5	A	8	900.5155	450.7616
675.3348	6	A	7	829.4783	415.2431
804.3774	7	E	6	**758.4412**	379.7245
903.4458	8	V	5	**629.3986**	**315.2032**
1016.5299	9	L	4	**530.3302**	**265.6690**
1129.6139	10	L	3	**417.2462**	209.1270
1258.6565	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

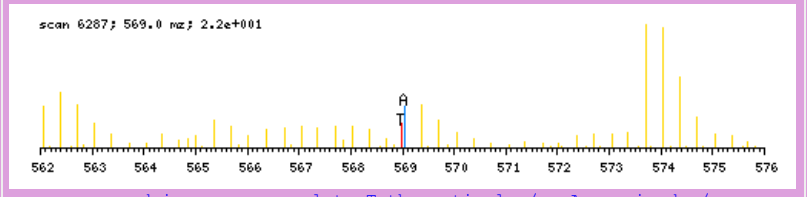
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MILPVGASSFKEAMR, MH+ 1704.9817, m/z 568.9988
H OS G33 P160811 220811-s1.06288.06288.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



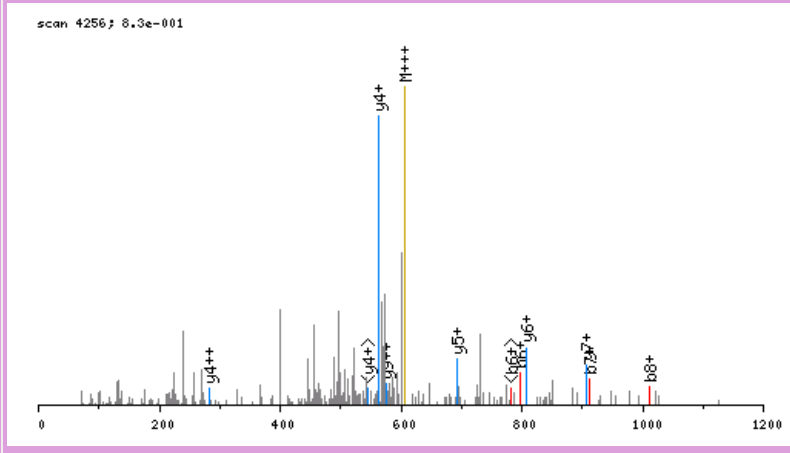
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	15		
279.1954	2	I	14	1539.8781	770.4430
392.2795	3	L	13	1426.7941	713.9010
489.3323	4	P	12	1313.7100	657.3589
588.4007	5	V	11	1216.6573	608.8325
645.4222	6	G	10	1117.5888	559.2983
716.4593	7	A	9	1060.5674	530.7876
803.4913	8	S	8	989.5303	495.2690
890.5233	9	S	7	902.4982	451.7530
1037.5917	10	F	6	815.4662	408.2370
1199.7498	11	K	5	668.3978	334.7028
1328.7924	12	E	4	506.2397	253.6238
1399.8295	13	A	3	377.1971	189.1025
1530.8700	14	M	2	306.1600	153.5839
	15	R	1	175.1195	88.0637

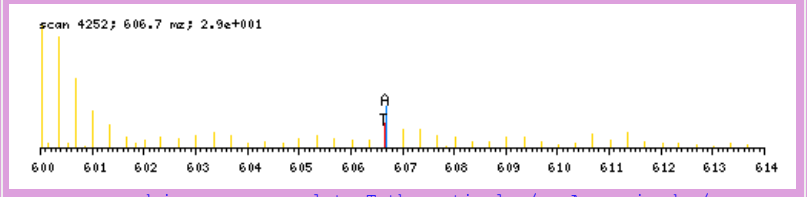
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MKPQEQLTLEPYER, MH+ 1817.9472, m/z 606.6539
L OS G33 P160811 220811-s1.04256.04256.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

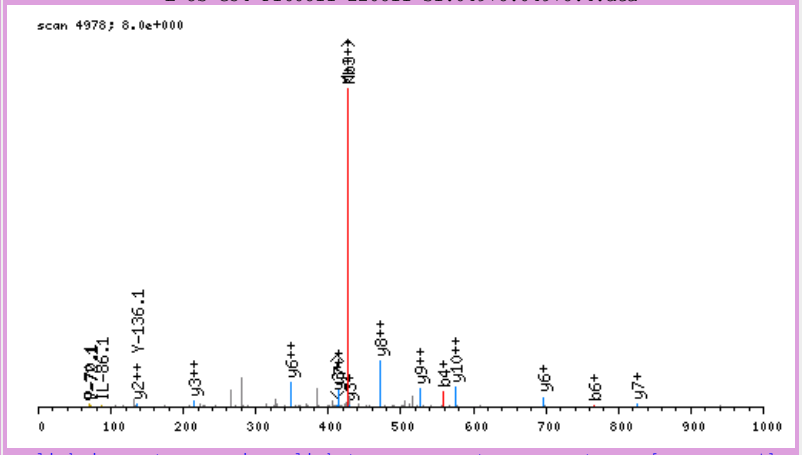


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

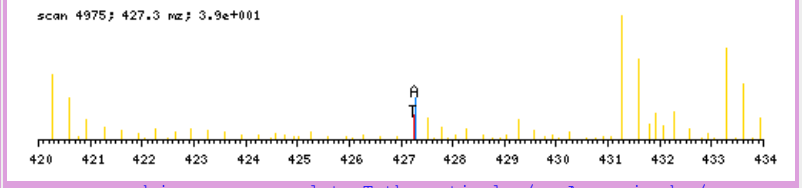
b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
316.2059	2	K	13	1658.8754	829.9416
413.2586	3	P	12	1502.7491	751.8785
541.3172	4	Q	11	1405.6963	703.3521
670.3598	5	E	10	1277.6378	639.3228
798.4184	6	Q	9	1148.5952	**574.8015**
911.5025	7	L	8	1020.5366	510.7722
1012.5501	8	T	7	**907.4525**	454.2302
1125.6342	9	L	6	**806.4048**	403.7063
1254.6768	10	E	5	**693.3208**	347.1643
1351.7296	11	P	4	**564.2782**	**282.6430**
1514.7929	12	Y	3	467.2254	234.1166
1643.8355	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

N-term:+29.04 K(2):+156.13

MKQLPILEPGDKPR, MH+ 1706.0039, m/z 427.2564
L OS G34 P160811 220811-s1.04978.04978.4.dta



click image to zoom in; click top corners to zoom out [precursor]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

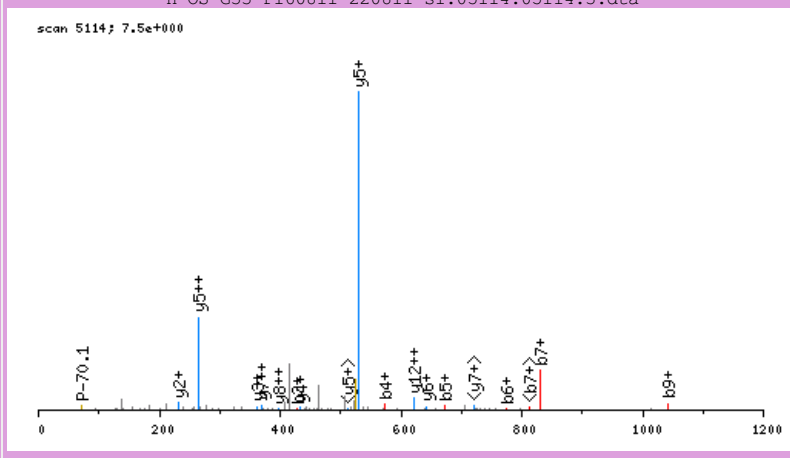
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
316.2059	2	K	13	1546.9322	773.9700
444.2645	3	Q	12	1390.8059	695.9068
557.3485	4	L	11	1262.7473	631.8776
654.4013	5	P	10	1149.6632	**575.3355**
767.4854	6	I	9	1052.6105	**526.8091**
880.5694	7	L	8	939.5264	**470.2671**
1009.6120	8	E	7	**826.4423**	**413.7251**
1106.6648	9	P	6	**697.3997**	**349.2038**
1163.6862	10	G	5	600.3470	300.6774
1278.7132	11	D	4	543.3255	272.1667
1434.8395	12	K	3	**428.2986**	**214.6532**
1531.8922	13	P	2	272.1723	**136.5900**
	14	R	1	175.1195	88.0637

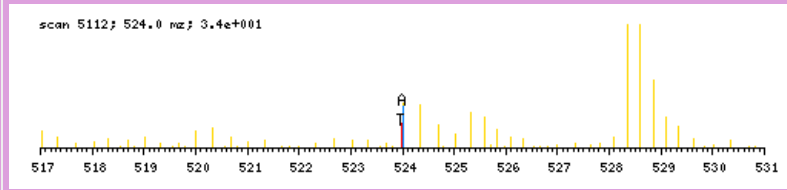
N-term:+29.04 K(2):+156.13
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MKVFVTGPLPAEGR, MH+ 1569.9463, m/z 523.9870
H OS G33 P160811 220811-s1.05114.05114.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



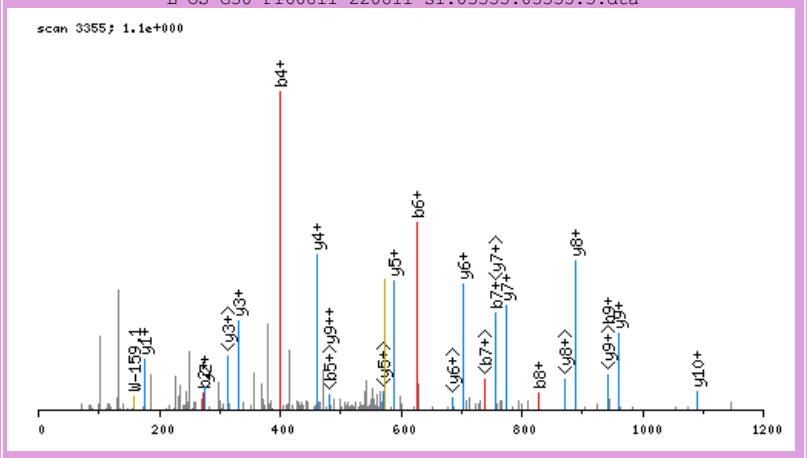
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	14		
328.2695	2	K	13	1404.8427	702.9253
427.3379	3	V	12	1242.6846	**621.8462**
574.4063	4	F	11	1143.6162	572.3120
673.4747	5	V	10	996.5478	498.7778
774.5224	6	T	9	897.4794	449.2436
831.5439	7	G	8	796.4317	**398.7198**
928.5966	8	P	7	739.4103	**370.2090**
1041.6807	9	L	6	**642.3575**	321.6827
1138.7335	10	P	5	**529.2734**	**265.1406**
1209.7706	11	A	4	**432.2207**	216.6142
1338.8132	12	E	3	**361.1836**	181.0957
1395.8346	13	G	2	**232.1410**	116.5744
	14	R	1	175.1195	88.0637

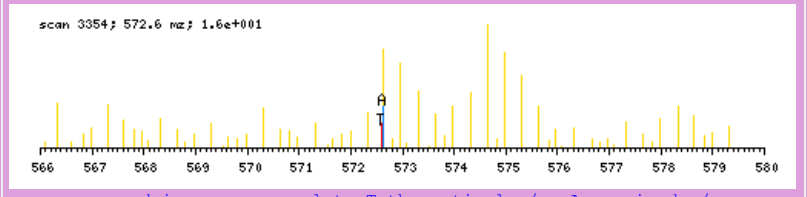
N-term:+35.07 K(2):+162.16

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MLGAPEEADANEEGVR, MH+ 1715.7910, m/z 572.6019
L OS G30 P160811 220811-s1.03355.03355.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



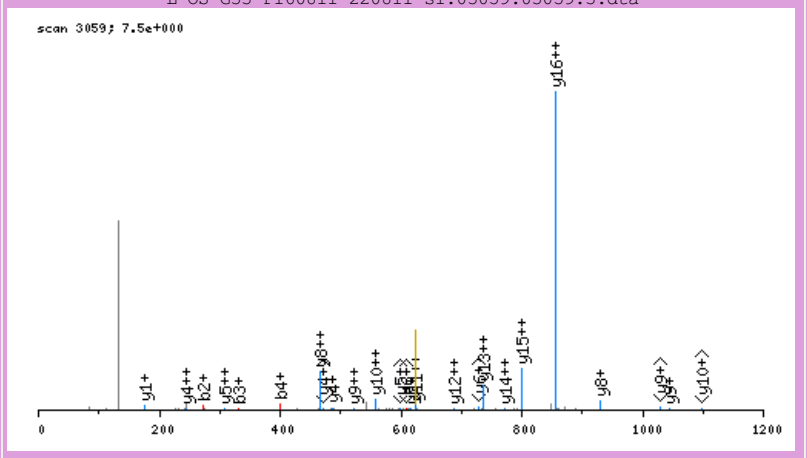
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	16		
273.1636	2	L	15	1556.7193	778.8635
330.1851	3	G	14	1443.6352	722.3215
401.2222	4	A	13	1386.6137	693.8108
498.2750	5	P	12	1315.5766	658.2922
627.3176	6	E	11	1218.5238	609.7658
756.3602	7	E	10	**1089.4813**	545.2445
827.3973	8	A	9	**960.4387**	**480.7232**
942.4242	9	D	8	**889.4015**	445.2047
1013.4613	10	A	7	**774.3746**	387.6912
1127.5043	11	N	6	**703.3375**	352.1727
1256.5469	12	E	5	**589.2946**	295.1512
1385.5895	13	E	4	**460.2520**	230.6299
1442.6109	14	G	3	**331.2094**	166.1086
1541.6793	15	V	2	**274.1879**	137.5979
	16	R	1	**175.1195**	88.0637

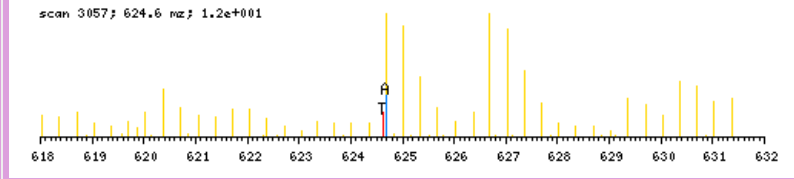
N-term:+29.04

MLGAPEEADANEEGVRR, MH+ 1871.8921, m/z 624.6356
L OS G33 P160811 220811-s1.03059.03059.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



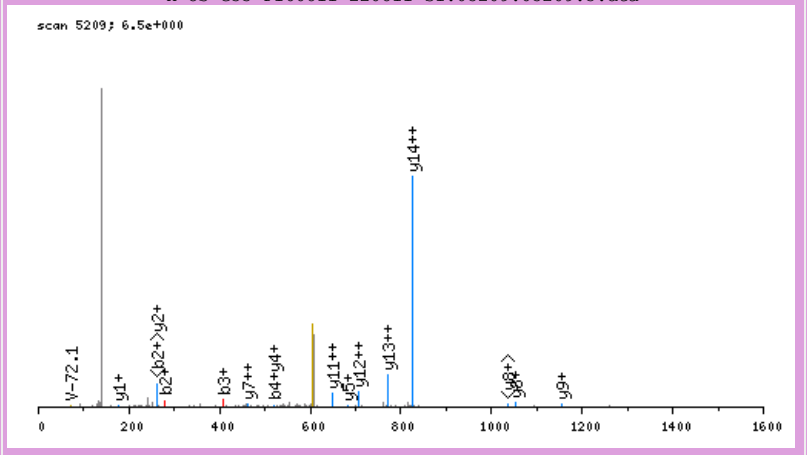
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	17		
273.1636	2	L	16	1712.8204	856.9141
330.1851	3	G	15	1599.7363	800.3721
401.2222	4	A	14	1542.7148	771.8613
498.2750	5	P	13	1471.6777	736.3428
627.3176	6	E	12	1374.6250	687.8164
756.3602	7	E	11	1245.5824	623.2951
827.3973	8	A	10	1116.5398	558.7738
942.4242	9	D	9	1045.5027	523.2552
1013.4613	10	A	8	930.4757	465.7418
1127.5043	11	N	7	859.4386	430.2232
1256.5469	12	E	6	745.3957	373.2018
1385.5895	13	E	5	616.3531	308.6805
1442.6109	14	G	4	487.3105	244.1592
1541.6793	15	V	3	430.2890	215.6484
1697.7804	16	R	2	331.2206	166.1142
	17	R	1	175.1195	88.0637

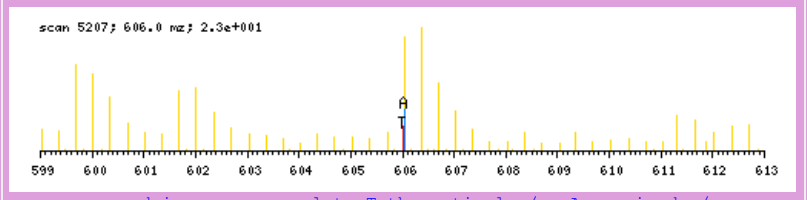
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MLQIAATELEKEESR, MH+ 1816.0162, m/z 606.0103
H OS G33 P160811 220811-s1.05209.05209.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



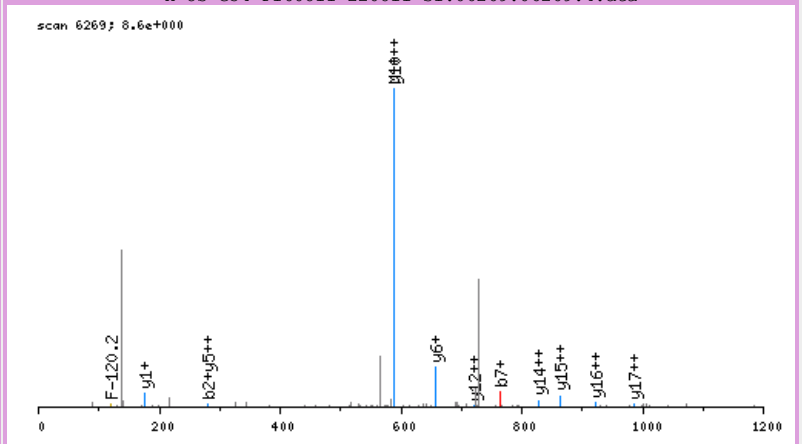
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	15		
279.1954	2	L	14	1650.9127	825.9603
407.2540	3	Q	13	1537.8286	769.4182
520.3381	4	I	12	1409.7700	705.3889
591.3752	5	A	11	1296.6860	648.8469
662.4123	6	A	10	1225.6489	613.3283
763.4600	7	T	9	1154.6117	577.8098
892.5026	8	E	8	1053.5641	527.2859
1005.5867	9	L	7	924.5215	462.7646
1134.6292	10	E	6	811.4374	406.2226
1296.7873	11	K	5	682.3948	341.7013
1425.8299	12	E	4	520.2367	260.6223
1554.8725	13	E	3	391.1941	196.1010
1641.9046	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

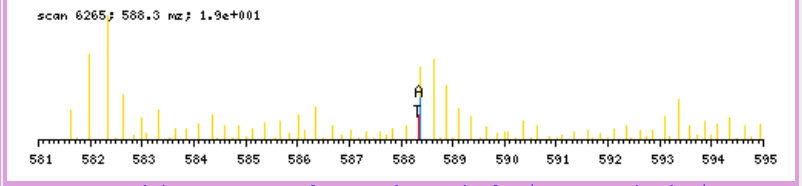
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MNTELAAFTKNQKDPGVLDR, MH+ 2350.3289, m/z 588.3377
H OS G34 P160811 220811-s1.06269.06269.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



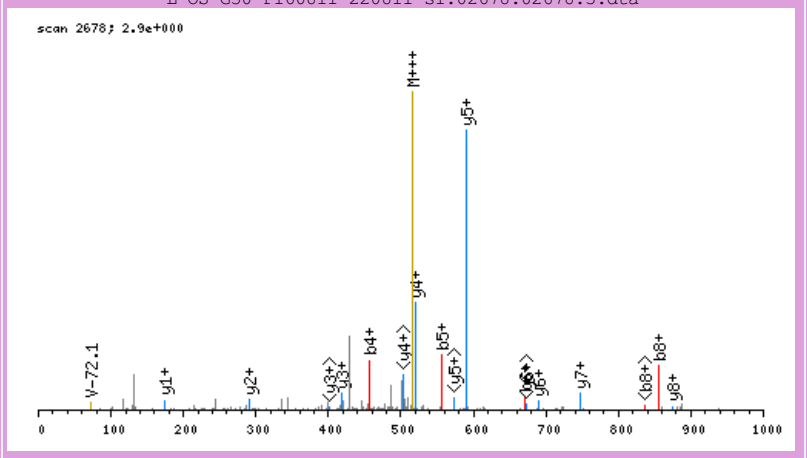
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	20		
280.1543	2	N	19	2185.2254	1093.1166
381.2020	3	T	18	2071.1825	1036.0951
510.2446	4	E	17	1970.1348	**985.5713**
623.3286	5	L	16	1841.0922	**921.0500**
694.3658	6	A	15	1728.0081	**864.5080**
765.4029	7	A	14	1656.9710	**828.9894**
912.4713	8	F	13	1585.9339	793.4709
1013.5190	9	T	12	1438.8655	**719.9367**
1175.6771	10	K	11	1337.8178	669.4128
1289.7200	11	N	10	1175.6597	**588.3338**
1417.7786	12	Q	9	1061.6168	531.3123
1579.9367	13	K	8	933.5582	467.2830
1694.9636	14	D	7	771.4001	386.2040
1792.0164	15	P	6	**656.3731**	328.6905
1849.0378	16	G	5	559.3204	**280.1641**
1948.1063	17	V	4	502.2989	251.6534
2061.1903	18	L	3	403.2305	202.1192
2176.2173	19	D	2	290.1464	145.5771
	20	R	1	**175.1195**	88.0637

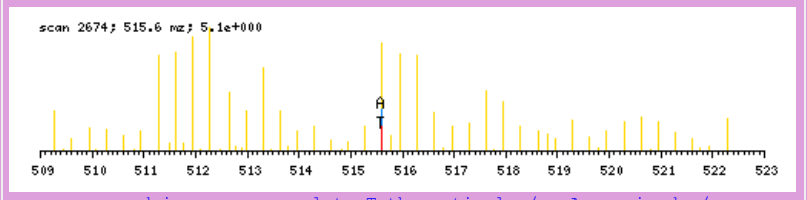
N-term:+35.07 K(10):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MPAQVDQGVATEDR, MH+ 1544.7379, m/z 515.5841
L OS G30 P160811 220811-s1.02678.02678.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



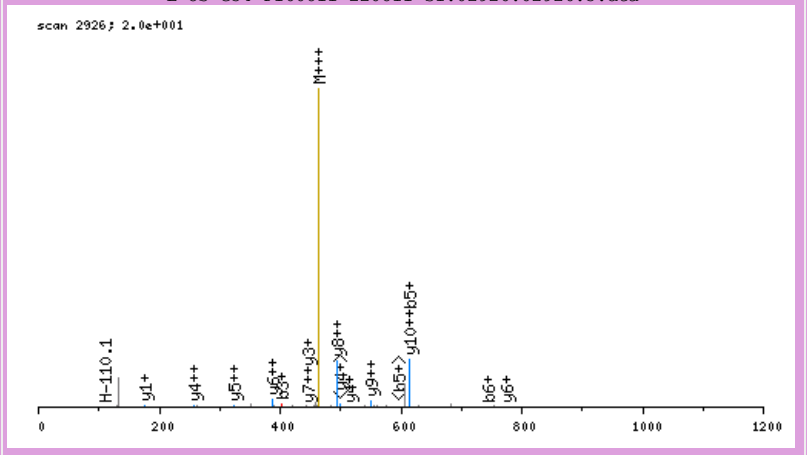
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
257.1323	2	P	13	1385.6661	693.3370
328.1695	3	A	12	1288.6133	644.8106
456.2280	4	Q	11	1217.5762	609.2920
555.2965	5	V	10	1089.5176	545.2627
670.3234	6	D	9	990.4492	495.7285
798.3820	7	Q	8	**875.4223**	438.2151
855.4034	8	G	7	**747.3637**	374.1858
954.4719	9	V	6	**690.3422**	345.6750
1025.5090	10	A	5	**591.2738**	296.1408
1126.5566	11	T	4	**520.2367**	260.6223
1255.5992	12	E	3	**419.1890**	210.0984
1370.6262	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

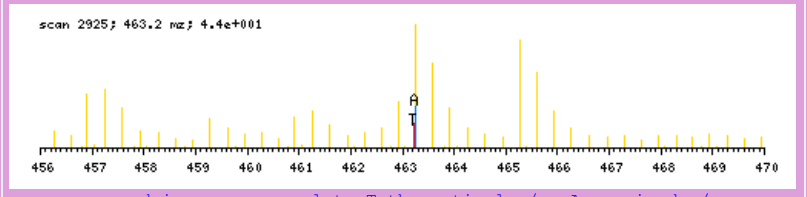
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MQDPDEEALRR, MH+ 1387.6640, m/z 463.2262
L OS G34 P160811 220811-s1.02926.02926.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



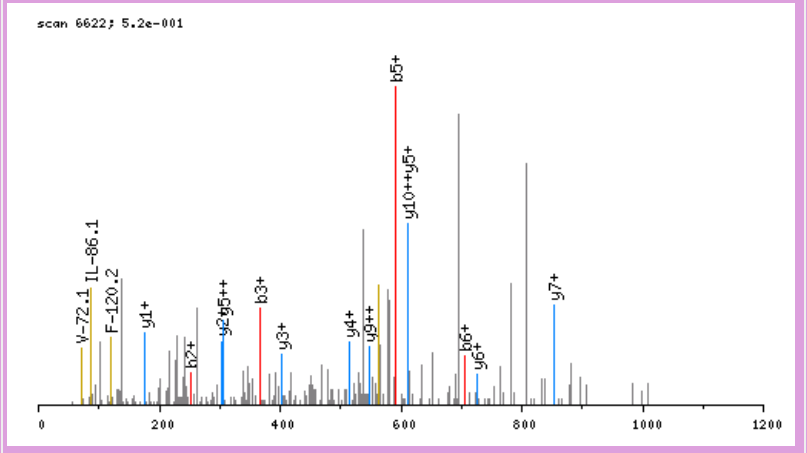
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	11		
288.1382	2	Q	10	1228.5922	**614.8000**
403.1651	3	D	9	1100.5336	**550.7707**
500.2179	4	P	8	985.5067	**493.2573**
615.2448	5	D	7	888.4539	**444.7309**
744.2874	6	E	6	**773.4270**	**387.2174**
873.3300	7	E	5	644.3844	**322.6961**
944.3671	8	A	4	**515.3418**	**258.1748**
1057.4512	9	L	3	**444.3047**	222.6563
1213.5523	10	R	2	331.2206	166.1142
	11	R	1	**175.1195**	88.0637

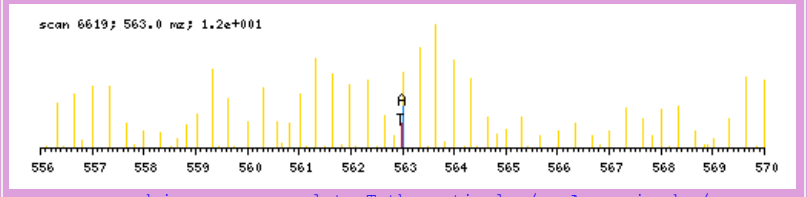
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MSLPELQQNPLVQR, MH+ 1686.9425, m/z 562.9857
H OS G30 P160811 220811-s1.06622.06622.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



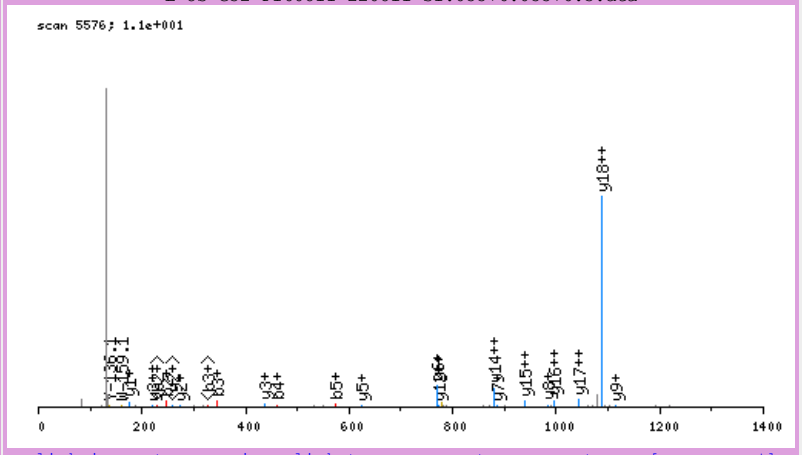
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	14		
253.1434	2	S	13	1521.8389	761.4234
366.2275	3	L	12	1434.8069	717.9074
463.2802	4	P	11	1321.7228	661.3653
592.3228	5	E	10	1224.6701	**612.8389**
705.4069	6	L	9	1095.6275	**548.3176**
833.4655	7	Q	8	982.5434	491.7756
961.5241	8	Q	7	**854.4848**	427.7463
1075.5670	9	N	6	**726.4262**	363.7170
1172.6197	10	P	5	**612.3833**	**306.6956**
1285.7038	11	L	4	**515.3306**	258.1692
1384.7722	12	V	3	**402.2465**	201.6272
1512.8308	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

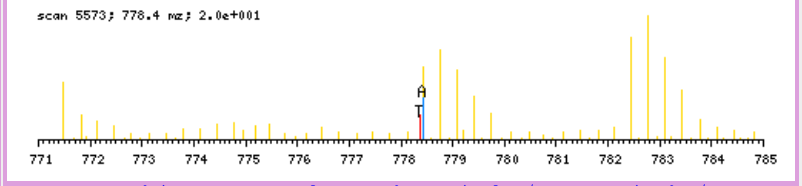
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MSVLDTNKDCEVDFGEYVR, MH+ 2333.0793, m/z 778.3646
L OS G32 P160811 220811-s1.05576.05576.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



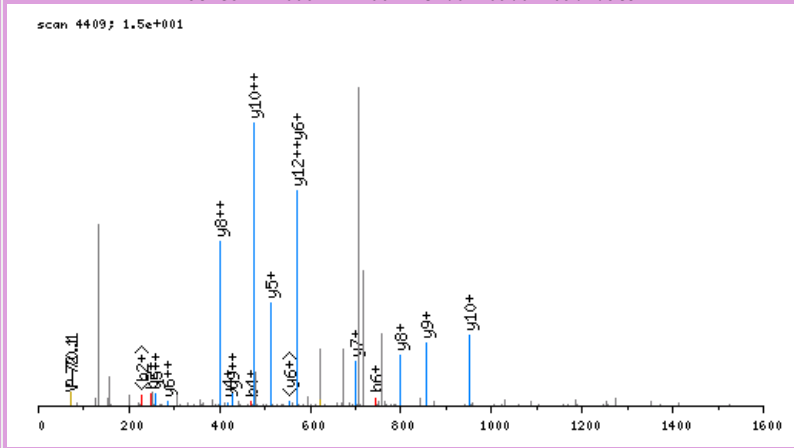
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	19		
247.1116	2	S	18	2174.0076	**1087.5077**
346.1800	3	V	17	2086.9755	**1043.9917**
459.2641	4	L	16	1987.9071	**994.4575**
574.2910	5	D	15	1874.8231	**937.9154**
675.3387	6	T	14	1759.7961	**880.4020**
789.3816	7	N	13	1658.7484	829.8781
945.5079	8	K	12	1544.7055	**772.8567**
1060.5349	9	D	11	1388.5792	694.7935
1220.5655	10	C	10	1273.5523	637.2800
1349.6081	11	E	9	**1113.5217**	557.2647
1448.6765	12	V	8	**984.4791**	492.7434
1563.7034	13	D	7	**885.4107**	443.2092
1710.7718	14	F	6	**770.3837**	385.6958
1767.7933	15	G	5	**623.3153**	312.1616
1896.8359	16	E	4	566.2938	283.6508
2059.8992	17	Y	3	**437.2512**	**219.1295**
2158.9676	18	V	2	**274.1879**	137.5979
	19	R	1	**175.1195**	88.0637

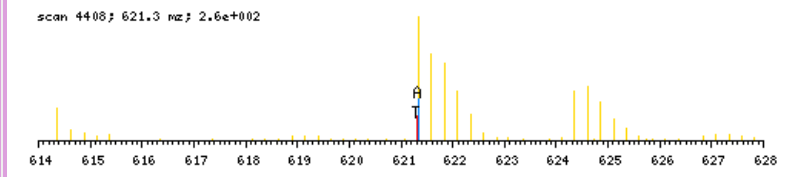
N-term:+29.04 K(8):+156.13
C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MSYGYDEKSAGVSVPGPMGPSGPR, MH+ 2482.1747, m/z 621.2991
L OS G32 P160811 220811-s1.04409.04409.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



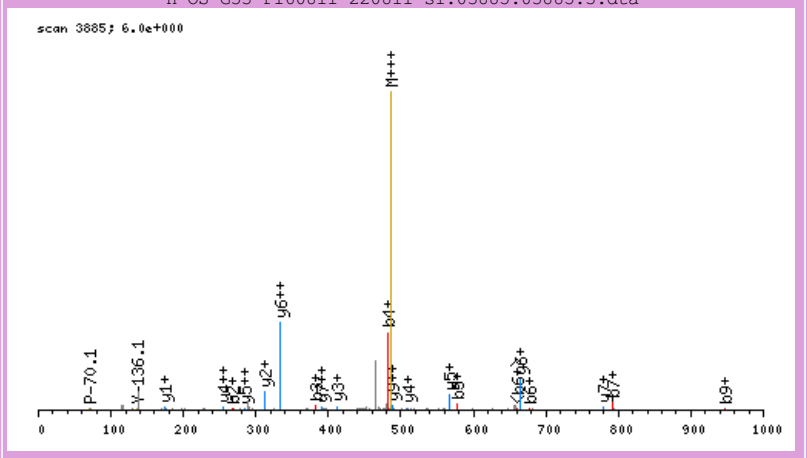
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	24		
247.1116	2	S	23	2323.1029	1162.0554
410.1749	3	Y	22	2236.0709	1118.5394
467.1964	4	G	21	2073.0076	1037.0077
630.2597	5	Y	20	2015.9861	1008.4970
745.2867	6	D	19	1852.9228	926.9653
874.3293	7	E	18	1737.8958	869.4518
1030.4556	8	K	17	1608.8532	804.9305
1117.4876	9	S	16	1452.7269	726.8674
1188.5247	10	A	15	1365.6949	683.3514
1245.5462	11	G	14	1294.6578	647.8328
1344.6146	12	V	13	1237.6363	619.3221
1431.6466	13	S	12	1138.5679	**569.7879**
1530.7150	14	V	11	1051.5359	526.2718
1627.7678	15	P	10	**952.4675**	**476.7376**
1684.7893	16	G	9	**855.4147**	**428.2113**
1781.8420	17	P	8	**798.3932**	**399.7005**
1912.8825	18	M	7	**701.3405**	351.1741
1969.9040	19	G	6	**570.3000**	**285.6539**
2066.9567	20	P	5	**513.2785**	**257.1432**
2153.9888	21	S	4	**416.2258**	208.6168
2211.0102	22	G	3	329.1937	165.1008
2308.0630	23	P	2	272.1723	136.5900
	24	R	1	175.1195	88.0637

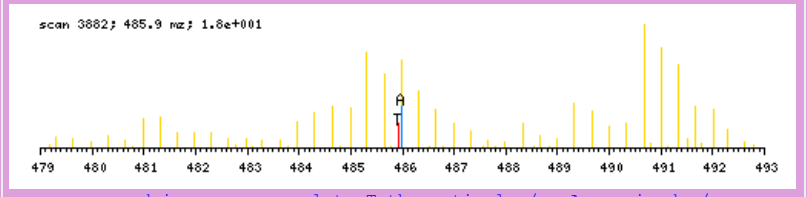
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MTDVPVDPGVVHR, MH+ 1455.7842, m/z 485.9329
H_OS_G33_P160811_220811-s1.03885.03885.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



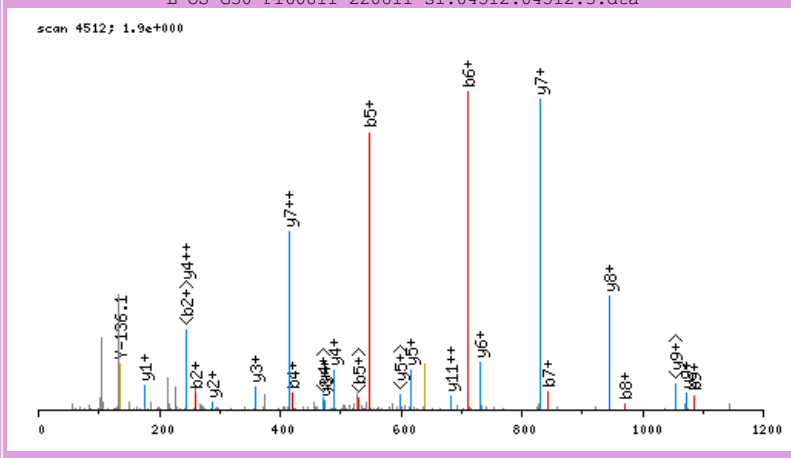
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	13		
267.1591	2	T	12	1290.6806	645.8442
382.1860	3	D	11	1189.6329	595.3204
481.2544	4	V	10	1074.6060	537.8069
578.3072	5	P	9	975.5376	488.2727
677.3756	6	V	8	878.4848	439.7463
792.4025	7	D	7	779.4164	390.2121
889.4553	8	P	6	664.3895	332.6986
946.4768	9	G	5	567.3367	284.1723
1045.5452	10	V	4	510.3152	255.6615
1144.6136	11	V	3	411.2468	206.1273
1281.6725	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

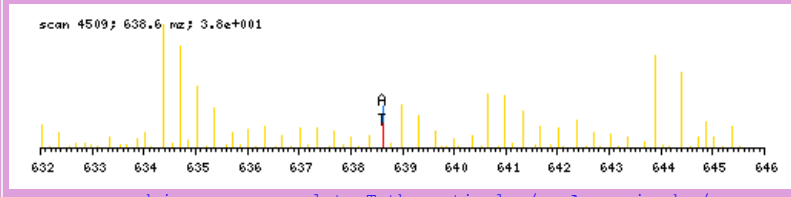
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MTGTEYMQDPDEEALR, MH+ 1913.8261, m/z 638.6135
L OS G30 P160811 220811-s1.04512.04512.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



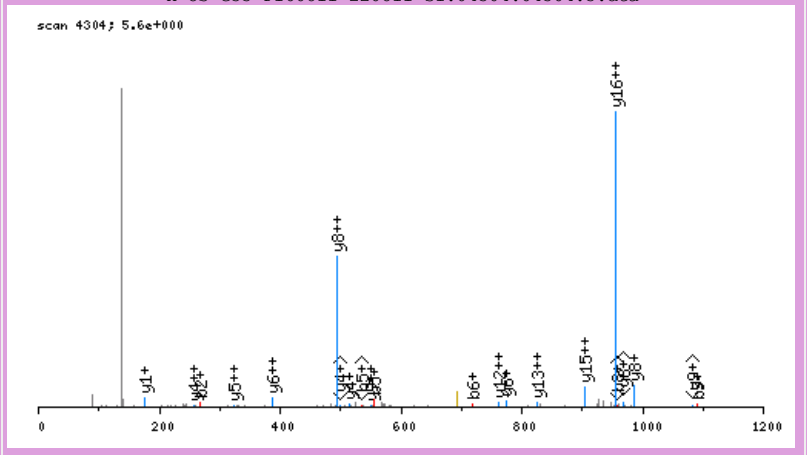
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	16		
261.1273	2	T	15	1754.7543	877.8811
318.1487	3	G	14	1653.7066	827.3572
419.1964	4	T	13	1596.6852	798.8465
548.2390	5	E	12	1495.6375	748.3227
711.3023	6	Y	11	1366.5949	683.8014
842.3428	7	M	10	1203.5316	602.2697
970.4014	8	Q	9	1072.4911	536.7495
1085.4283	9	D	8	944.4325	472.7202
1182.4811	10	P	7	829.4056	415.2067
1297.5080	11	D	6	732.3528	366.6803
1426.5506	12	E	5	617.3259	309.1668
1555.5932	13	E	4	488.2833	244.6455
1626.6303	14	A	3	359.2407	180.1243
1739.7144	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

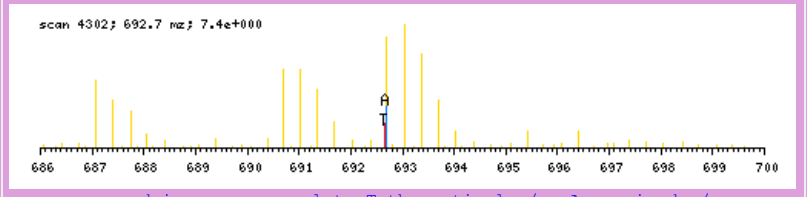
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

MTGTEYMQDPDEEALRR, MH+ 2075.9590, m/z 692.6578
H OS G33 P160811 220811-s1.04304.04304.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



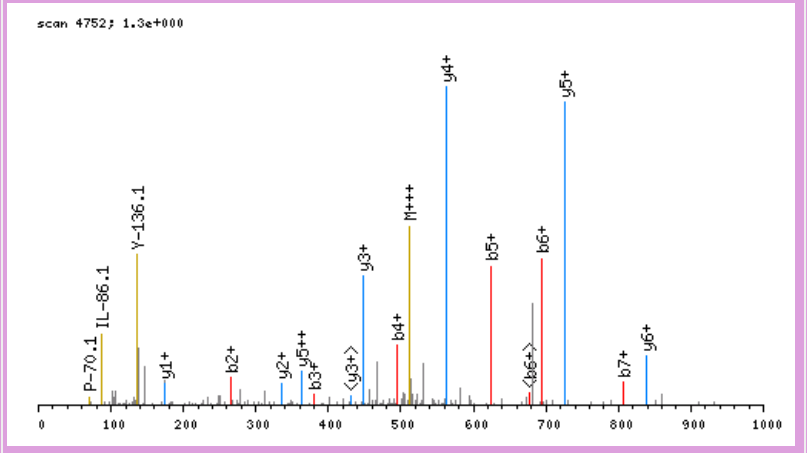
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	17		
267.1591	2	T	16	1910.8554	**955.9316**
324.1805	3	G	15	1809.8078	**905.4078**
425.2282	4	T	14	1752.7863	876.8971
554.2708	5	E	13	1651.7386	**826.3732**
717.3341	6	Y	12	1522.6960	**761.8519**
848.3746	7	M	11	1359.6327	680.3203
976.4332	8	Q	10	1228.5922	614.8000
1091.4601	9	D	9	1100.5336	**550.7707**
1188.5129	10	P	8	**985.5067**	**493.2573**
1303.5398	11	D	7	888.4539	444.7309
1432.5824	12	E	6	**773.4270**	**387.2174**
1561.6250	13	E	5	644.3844	**322.6961**
1632.6621	14	A	4	**515.3418**	**258.1748**
1745.7462	15	L	3	444.3047	222.6563
1901.8473	16	R	2	331.2206	166.1142
	17	R	1	**175.1195**	88.0637

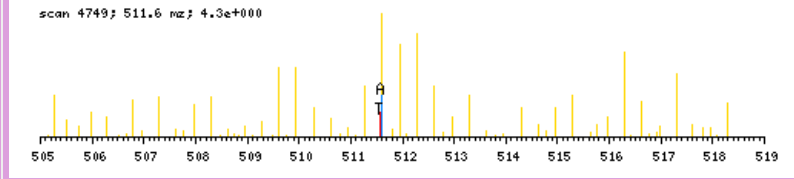
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

MVDNEAIYDICR, MH+ 1532.7301, m/z 511.5815
H OS G30 P160811 220811-s1.04752.04752.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



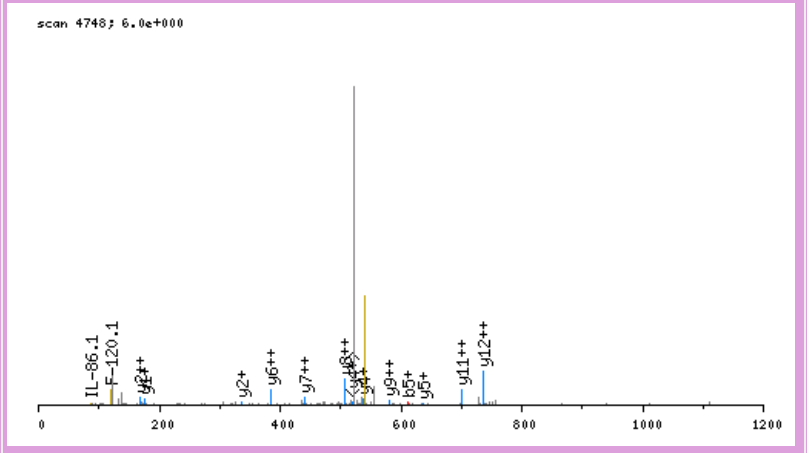
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	12		
265.1798	2	V	11	1367.6265	684.3172
380.2067	3	D	10	1268.5581	634.7830
494.2497	4	N	9	1153.5311	577.2695
623.2923	5	E	8	1039.4882	520.2480
694.3294	6	A	7	910.4456	455.7267
807.4134	7	I	6	839.4085	420.2082
970.4768	8	Y	5	726.3244	363.6661
1085.5037	9	D	4	563.2611	282.1345
1198.5878	10	I	3	448.2342	224.6210
1358.6184	11	C	2	335.1501	168.0790
	12	R	1	175.1195	88.0637

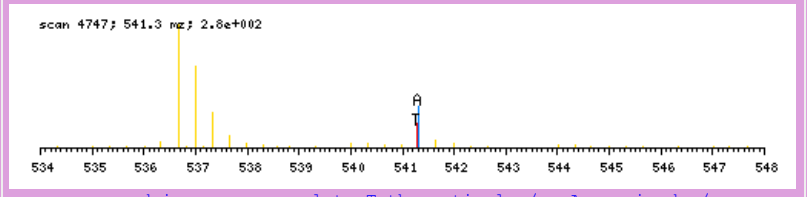
N-term:+35.07 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NADEFEDMVAEKR, MH+ 1621.8168, m/z 541.2771
H OS G33 P160811 220811-s1.04748.04748.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



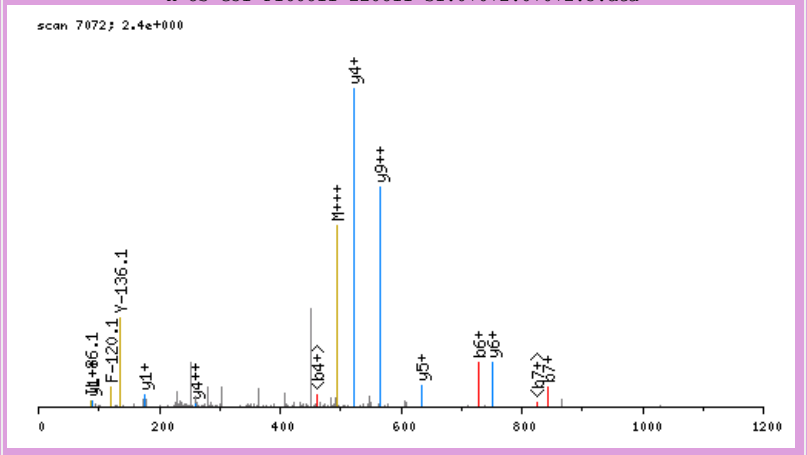
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	13		
220.1509	2	A	12	1473.7108	**737.3593**
335.1779	3	D	11	1402.6737	**701.8408**
464.2205	4	E	10	1287.6467	644.3273
611.2889	5	F	9	1158.6042	**579.8060**
740.3315	6	E	8	1011.5357	**506.2718**
855.3584	7	D	7	882.4931	**441.7505**
986.3989	8	M	6	767.4662	**384.2370**
1085.4673	9	V	5	**636.4257**	318.7168
1156.5044	10	A	4	**537.3573**	269.1826
1285.5470	11	E	3	466.3202	233.6640
1447.7051	12	K	2	**337.2776**	**169.1427**
	13	R	1	**175.1195**	88.0637

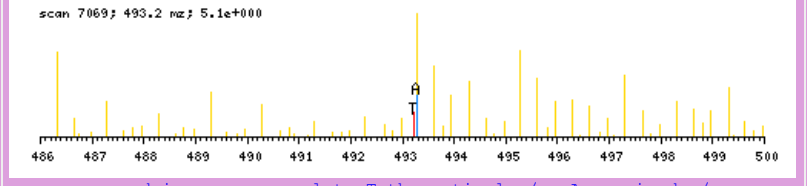
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NAEEYSDISEMR, MH+ 1477.6693, m/z 493.2279
H OS G31 P160811 220811-s1.07072.07072.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



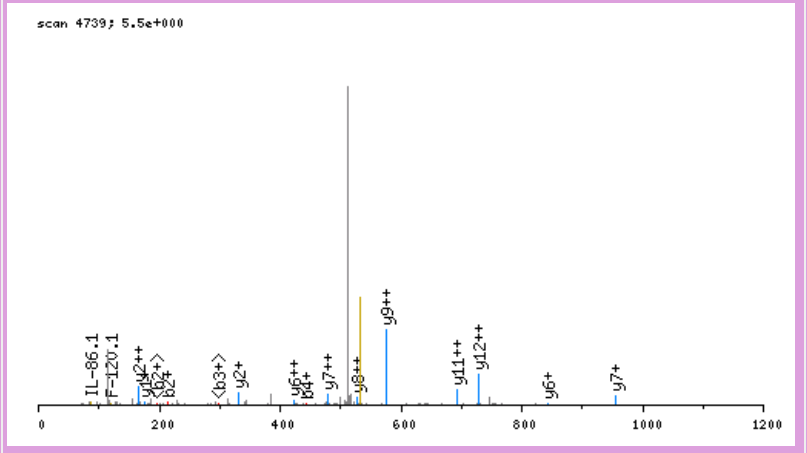
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	12		
220.1509	2	A	11	1329.5633	665.2855
349.1935	3	E	10	1258.5262	629.7670
478.2361	4	E	9	1129.4836	**565.2457**
641.2995	5	Y	8	1000.4410	500.7244
728.3315	6	S	7	837.3776	419.1927
843.3584	7	D	6	**750.3456**	375.6767
956.4425	8	I	5	**635.3187**	318.1632
1043.4745	9	S	4	**522.2346**	**261.6212**
1172.5171	10	E	3	435.2026	218.1052
1303.5576	11	M	2	306.1600	153.5839
	12	R	1	**175.1195**	**88.0637**

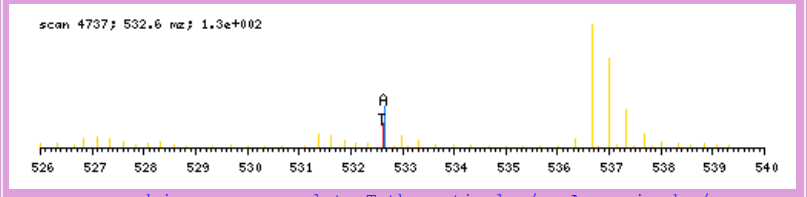
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NATEPVISFYDKR, MH+ 1595.8433, m/z 532.6193
L OS G33 P160811 220811-s1.04739.04739.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



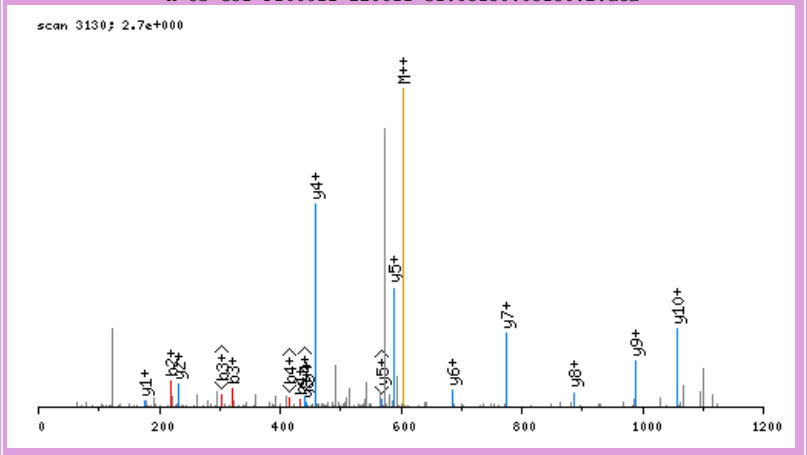
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
214.1191	2	A	12	1453.7691	**727.3885**
315.1668	3	T	11	1382.7320	**691.8699**
444.2094	4	E	10	1281.6843	641.3461
541.2622	5	P	9	1152.6418	**576.8248**
640.3306	6	V	8	1055.5890	**528.2984**
753.4147	7	I	7	**956.5206**	**478.7642**
840.4467	8	S	6	**843.4365**	**422.2222**
987.5151	9	F	5	756.4045	378.7062
1150.5784	10	Y	4	609.3361	305.1719
1265.6054	11	D	3	446.2727	223.6403
1421.7317	12	K	2	**331.2458**	**166.1268**
	13	R	1	**175.1195**	88.0637

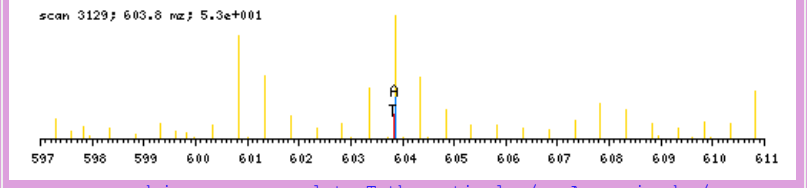
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NATLSVEPEGR, MH+ 1206.6542, m/z 603.8307
H OS G31 P160811 220811-s1.03130.03130.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



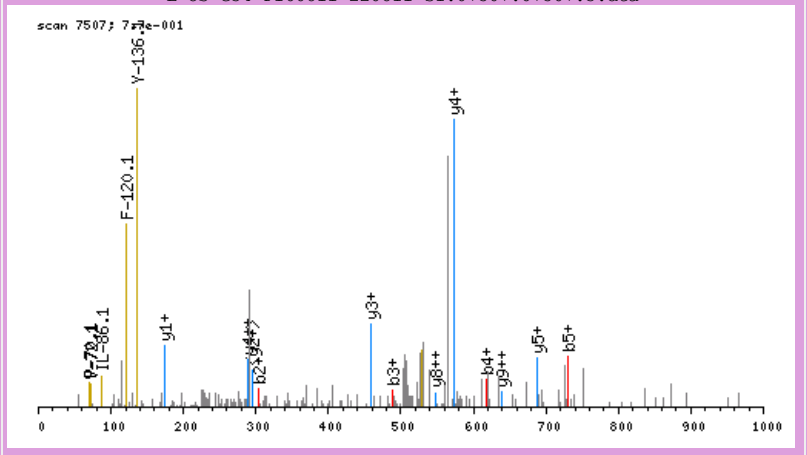
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	11		
220.1509	2	A	10	1058.5482	529.7780
321.1986	3	T	9	987.5111	494.2595
434.2827	4	L	8	886.4634	443.7356
521.3147	5	S	7	773.3794	387.1936
620.3831	6	V	6	686.3473	343.6776
749.4257	7	E	5	587.2789	294.1434
846.4785	8	P	4	458.2363	229.6221
975.5211	9	E	3	361.1836	181.0957
1032.5425	10	G	2	232.1410	116.5744
	11	R	1	175.1195	88.0637

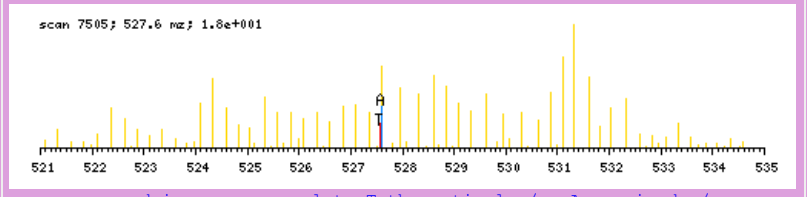
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

NCWQNYLDFHR, MH+ 1580.7068, m/z 527.5738
L OS G34 P160811 220811-s1.07507.07507.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



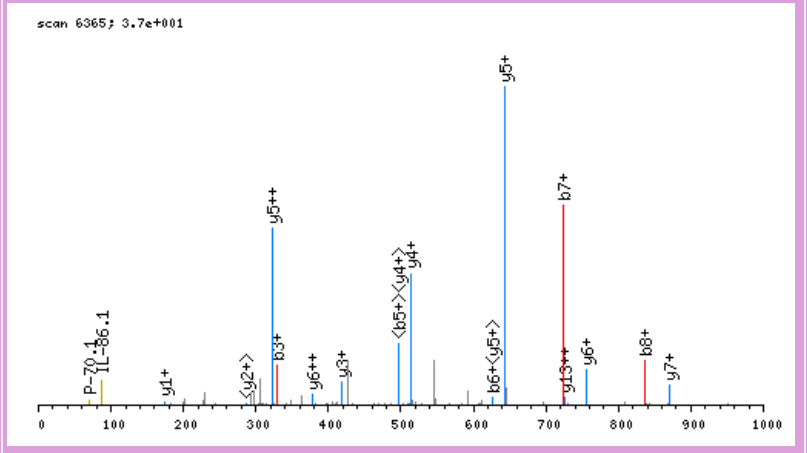
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	11		
303.1126	2	C	10	1438.6326	719.8202
489.1919	3	W	9	1278.6020	**639.8049**
617.2505	4	Q	8	1092.5227	**546.7652**
731.2934	5	N	7	964.4641	482.7360
894.3568	6	Y	6	850.4212	425.7145
1007.4408	7	L	5	**687.3578**	344.1828
1122.4678	8	D	4	**574.2738**	**287.6408**
1269.5362	9	F	3	**459.2468**	230.1273
1406.5951	10	H	2	312.1784	156.5931
	11	R	1	**175.1195**	88.0637

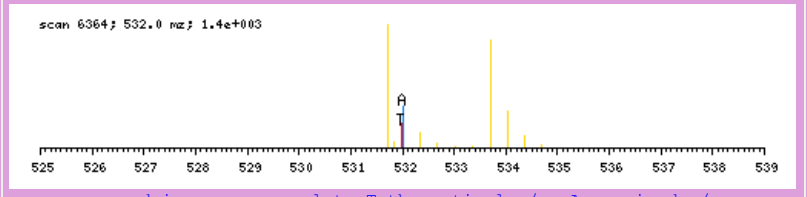
N-term:+29.04 C(2):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NDAAILVLLEPIER, MH+ 1593.9216, m/z 531.9787
L OS G30 P160811 220811-s1.06365.06365.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

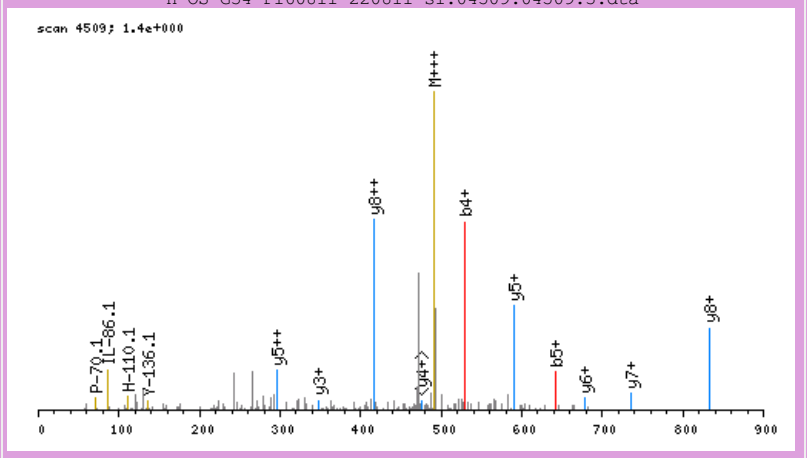


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

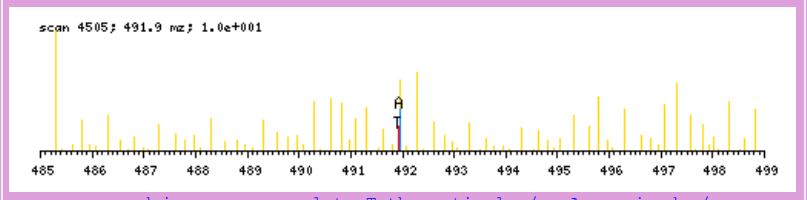
b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	14		
258.1090	2	D	13	1451.8474	**726.4276**
329.1461	3	A	12	1336.8204	668.9141
400.1832	4	A	11	1265.7833	633.3956
513.2673	5	I	10	1194.7462	597.8770
626.3513	6	L	9	1081.6621	541.3350
725.4197	7	V	8	968.5781	484.7929
838.5038	8	L	7	**869.5096**	435.2587
951.5879	9	L	6	**756.4256**	**378.7167**
1080.6305	10	E	5	**643.3415**	**322.1747**
1177.6832	11	P	4	**514.2989**	257.6534
1290.7673	12	I	3	**417.2462**	209.1270
1419.8099	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

N-term:+29.04

NDQHIPGSPFTAR, MH+ 1473.7662, m/z 491.9269
H OS G34 P160811 220811-s1.04509.04509.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

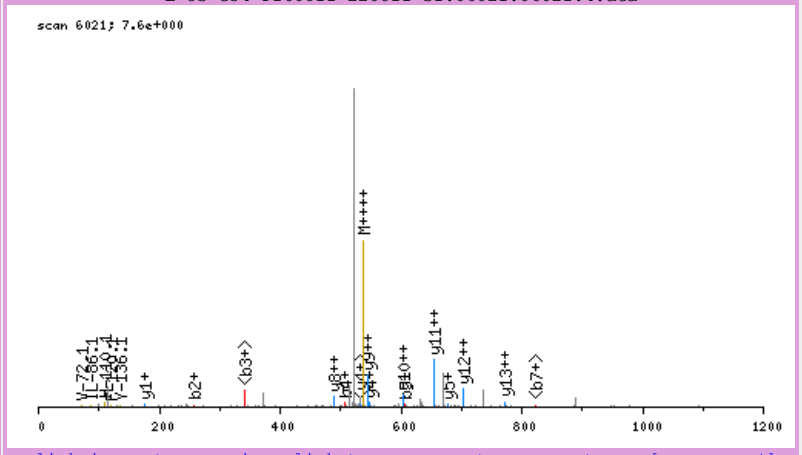
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	13		
264.1408	2	D	12	1325.6602	663.3340
392.1993	3	Q	11	1210.6333	605.8206
529.2583	4	H	10	1082.5747	541.7913
642.3423	5	I	9	945.5158	473.2618
739.3951	6	P	8	**832.4317**	**416.7198**
796.4166	7	G	7	**735.3790**	368.1934
883.4486	8	S	6	**678.3575**	339.6827
980.5013	9	P	5	**591.3255**	**296.1666**
1127.5698	10	F	4	494.2727	247.6403
1228.6174	11	T	3	**347.2043**	174.1061
1299.6546	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

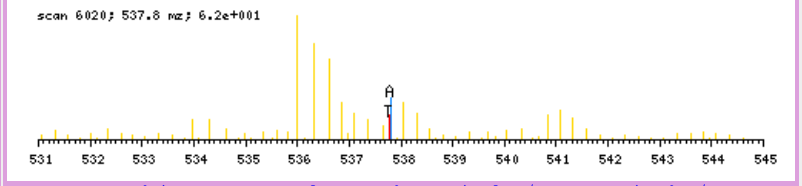
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

NDTFVHVTDLSGKETICR, MH+ 2148.0759, m/z 537.7744
L OS G34 P160811 220811-s1.06021.06021.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



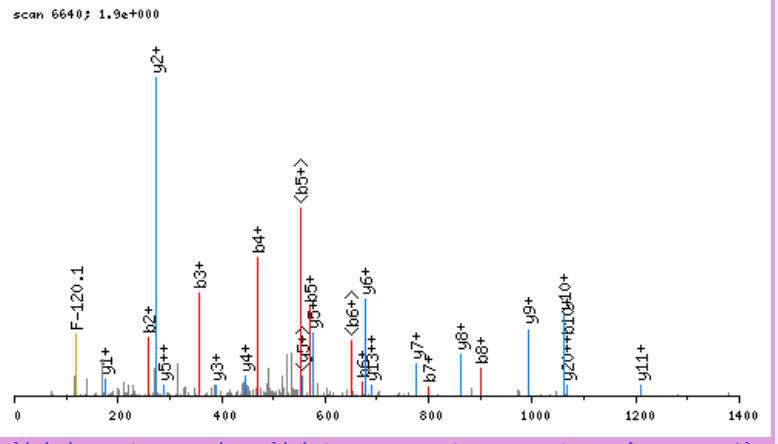
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	18		
258.1090	2	D	17	2006.0017	1003.5048
359.1566	3	T	16	1890.9747	945.9913
506.2251	4	F	15	1789.9271	895.4674
605.2935	5	V	14	1642.8587	821.9332
742.3524	6	H	13	1543.7902	**772.3990**
841.4208	7	V	12	1406.7313	**703.8696**
942.4685	8	T	11	1307.6629	**654.3354**
1057.4954	9	D	10	1206.6152	**603.8115**
1170.5795	10	L	9	1091.5883	**546.2981**
1257.6115	11	S	8	978.5042	**489.7560**
1314.6330	12	G	7	891.4722	446.2400
1470.7593	13	K	6	834.4507	417.7293
1599.8019	14	E	5	**678.3244**	339.6661
1700.8496	15	T	4	**549.2818**	275.1448
1813.9336	16	I	3	448.2342	224.6210
1973.9642	17	C	2	335.1501	168.0790
	18	R	1	**175.1195**	88.0637

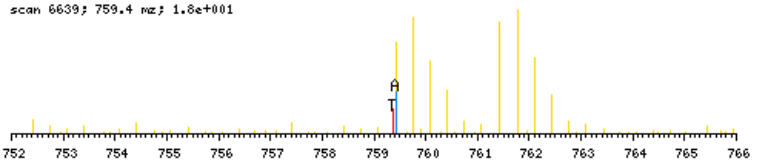
N-term:+29.04 K(13):+156.13
C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

NDVITVQTPAFAESVTEGDVR, MH+ 2276.1410, m/z 759.3852
L OS G30 P160811 220811-s1.06640.06640.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

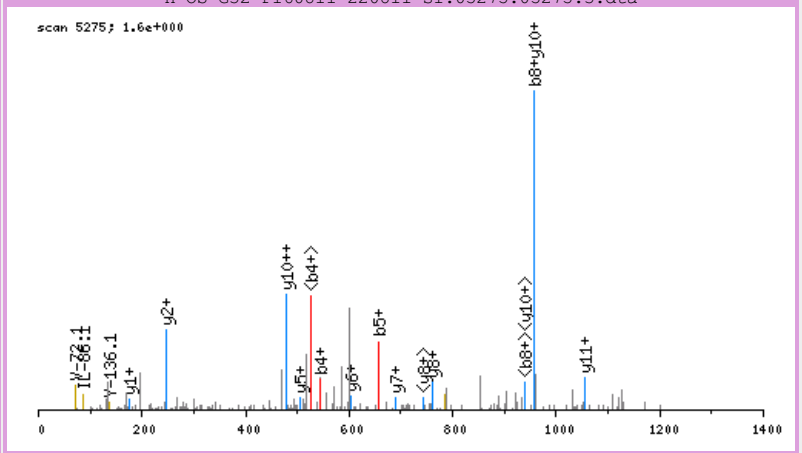


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

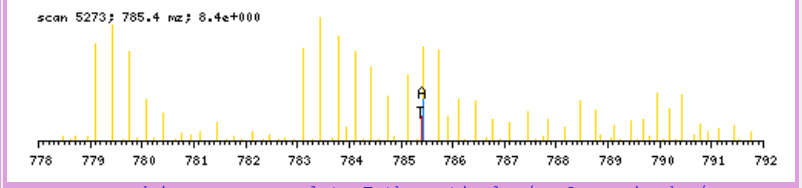
b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	21		
258.1090	2	D	20	2134.0668	1067.5373
357.1774	3	V	19	2019.0399	1010.0238
470.2614	4	I	18	1919.9714	960.4896
571.3091	5	T	17	1806.8874	903.9476
670.3775	6	V	16	1705.8397	853.4238
798.4361	7	Q	15	1606.7713	803.8896
899.4838	8	T	14	1478.7127	739.8603
996.5366	9	P	13	1377.6650	689.3364
1067.5737	10	A	12	1280.6123	640.8100
1214.6421	11	F	11	1209.5752	605.2915
1285.6792	12	A	10	1062.5067	531.7573
1414.7218	13	E	9	991.4696	496.2387
1501.7538	14	S	8	862.4270	431.7174
1600.8222	15	V	7	775.3950	388.2014
1701.8699	16	T	6	676.3266	338.6672
1830.9125	17	E	5	575.2789	288.1434
1887.9340	18	G	4	446.2363	223.6221
2002.9609	19	D	3	389.2149	195.1113
2102.0293	20	V	2	274.1879	137.5979
	21	R	1	175.1195	88.0637

N-term:+29.04

NEEHIPDSPFVVPVASPSGDAR, MH+ 2354.1840, m/z 785.3995
H OS G32 P160811 220811-s1.05275.05275.3.dta



click image to zoom in; click top corners to zoom out [precursor]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

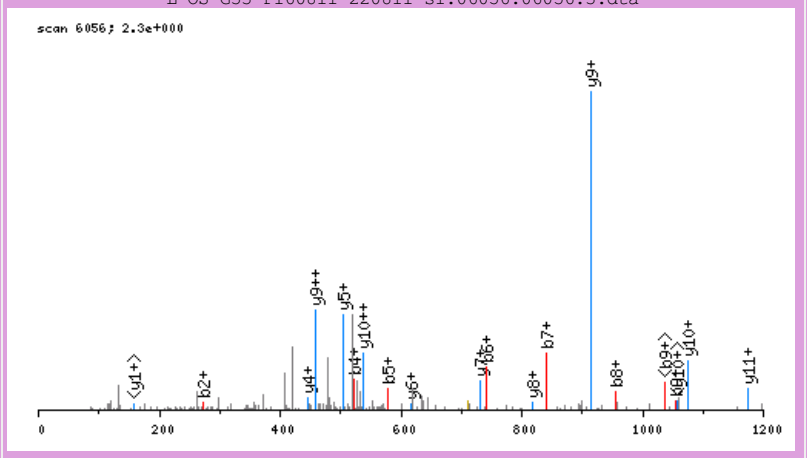
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	22		
278.1564	2	E	21	2206.0780	1103.5429
407.1990	3	E	20	2077.0354	1039.0216
544.2579	4	H	19	1947.9929	974.5003
657.3420	5	I	18	1810.9339	905.9709
754.3948	6	P	17	1697.8499	849.4288
869.4217	7	D	16	1600.7971	800.9025
956.4537	8	S	15	1485.7702	743.3890
1053.5065	9	P	14	1398.7381	699.8730
1200.5749	10	F	13	1301.6854	651.3466
1299.6433	11	V	12	1154.6170	577.8124
1398.7117	12	V	11	**1055.5485**	528.2782
1495.7645	13	P	10	**956.4801**	**478.7440**
1594.8329	14	V	9	859.4274	430.2176
1665.8700	15	A	8	**760.3590**	380.6834
1752.9021	16	S	7	**689.3218**	345.1648
1849.9548	17	P	6	**602.2898**	301.6488
1936.9868	18	S	5	**505.2370**	253.1224
1994.0083	19	G	4	418.2050	209.6064
2109.0352	20	D	3	361.1836	181.0957
2180.0724	21	A	2	**246.1566**	123.5822
	22	R	1	**175.1195**	88.0637

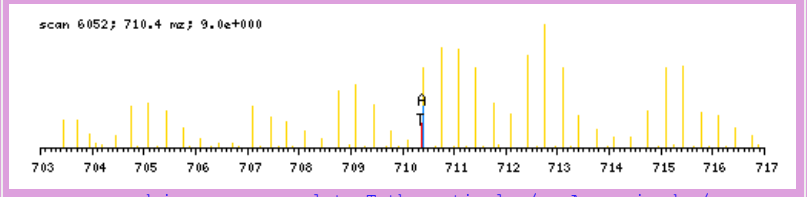
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NEHLGYVLTCPSNLGTGLR, MH+ 2129.0813, m/z 710.3653
L OS G33 P160811 220811-s1.06056.06056.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

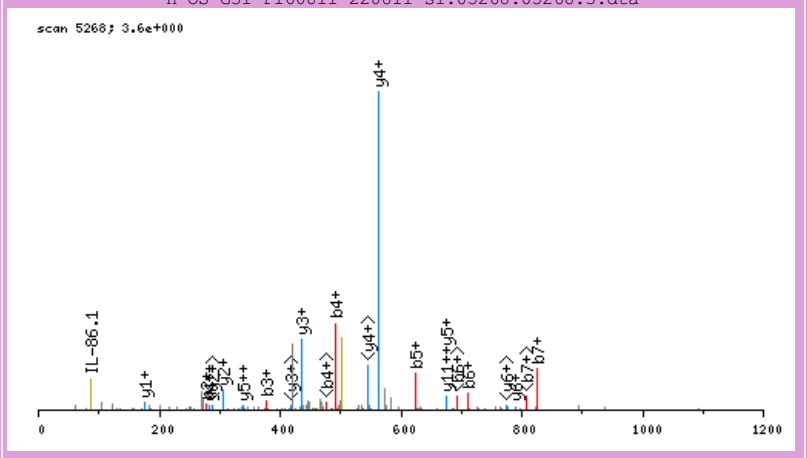


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

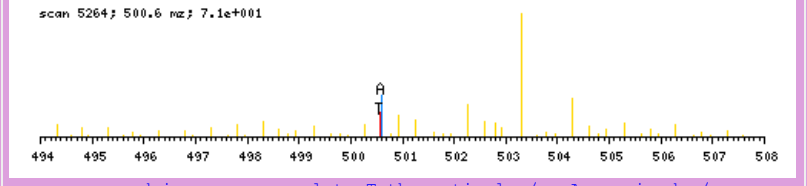
b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	19		
272.1246	2	E	18	1987.0071	994.0074
409.1835	3	H	17	1857.9645	929.4862
522.2676	4	L	16	1720.9056	860.9567
579.2891	5	G	15	1607.8215	804.4147
742.3524	6	Y	14	1550.8000	775.9039
841.4208	7	V	13	1387.7367	694.3723
954.5049	8	L	12	1288.6683	644.8381
1055.5525	9	T	11	**1175.5842**	588.2960
1215.5831	10	C	10	**1074.5366**	**537.7722**
1312.6359	11	P	9	**914.5060**	**457.7569**
1399.6679	12	S	8	**817.4532**	409.2305
1513.7109	13	N	7	**730.4212**	365.7145
1626.7949	14	L	6	**616.3782**	308.6930
1683.8164	15	G	5	**503.2942**	252.1510
1784.8641	16	T	4	**446.2727**	223.6403
1841.8855	17	G	3	345.2250	173.1164
1954.9696	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

N-term:+29.04 C(10):+160.03

NEVDMSNIQEMR, MH+ 1499.7046, m/z 500.5731
H_OS_G31_P160811_220811-s1.05268.05268.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

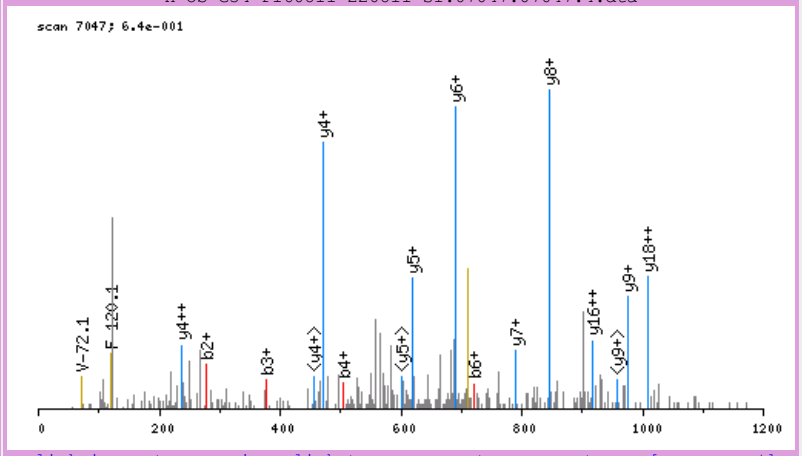
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	12		
278.1564	2	E	11	1351.5986	676.3032
377.2248	3	V	10	1222.5560	611.7819
492.2518	4	D	9	1123.4876	562.2477
623.2923	5	M	8	1008.4607	504.7342
710.3243	6	S	7	877.4202	439.2140
824.3672	7	N	6	790.3881	395.6980
937.4513	8	I	5	676.3452	338.6765
1065.5099	9	Q	4	563.2612	282.1345
1194.5525	10	E	3	435.2026	218.1052
1325.5929	11	M	2	306.1600	153.5839
	12	R	1	175.1195	88.0637

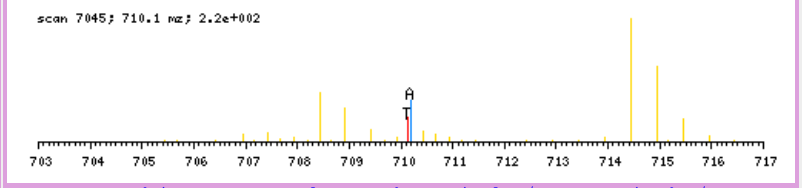
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NEVQTDVSVDTKHQTLQGVAFPISR, MH+ 2837.5434, m/z 710.1413
H OS G34 P160811 220811-s1.07047.07047.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	25		
278.1564	2	E	24	2689.4374	1345.2226
377.2248	3	V	23	2560.3948	1280.7013
505.2834	4	Q	22	2461.3263	1231.1671
606.3311	5	T	21	2333.2678	1167.1378
721.3580	6	D	20	2232.2201	1116.6140
820.4264	7	V	19	2117.1931	1059.1005
907.4585	8	S	18	2018.1247	**1009.5663**
1006.5269	9	V	17	1931.0927	966.0503
1121.5538	10	D	16	1832.0243	**916.5161**
1222.6015	11	T	15	1716.9974	859.0026
1384.7596	12	K	14	1615.9497	808.4787
1521.8185	13	H	13	1453.7916	727.3997
1649.8771	14	Q	12	1316.7327	658.8702
1750.9248	15	T	11	1188.6741	594.8410
1864.0088	16	L	10	1087.6264	544.3171
1992.0674	17	Q	9	**974.5423**	487.7751
2049.0889	18	G	8	**846.4838**	423.7458
2148.1573	19	V	7	**789.4623**	395.2351
2219.1944	20	A	6	**690.3939**	345.7009
2366.2628	21	F	5	**619.3568**	310.1823
2463.3156	22	P	4	**472.2884**	**236.6481**
2576.3997	23	I	3	375.2356	188.1217
2663.4317	24	S	2	262.1515	131.5797
	25	R	1	175.1195	88.0637

N-term:+35.07 K(12):+162.16

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

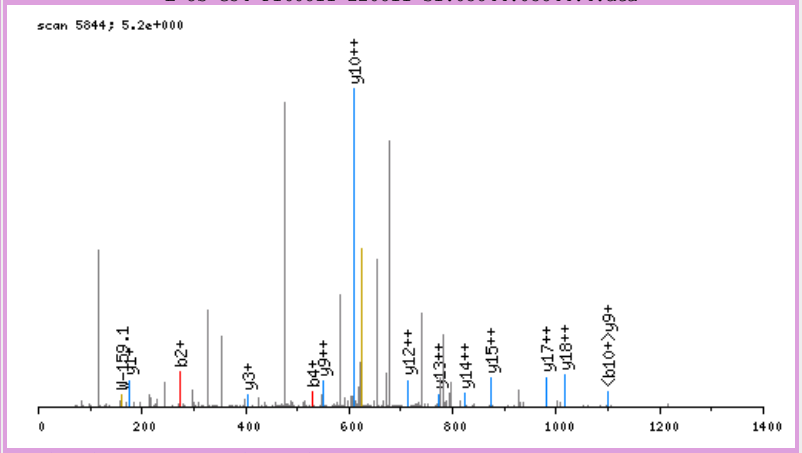
z [+] [2+] [3+]

hide H_2O/NH_3

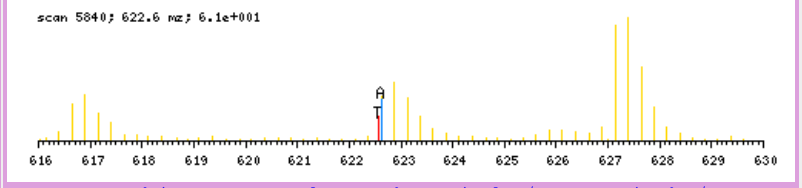
zoom 112-122

GO

NEWASQTTDGKLPEVTKDVER, MH+ 2487.2732, m/z 622.5737
L OS G34 P160811 220811-s1.05844.05844.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



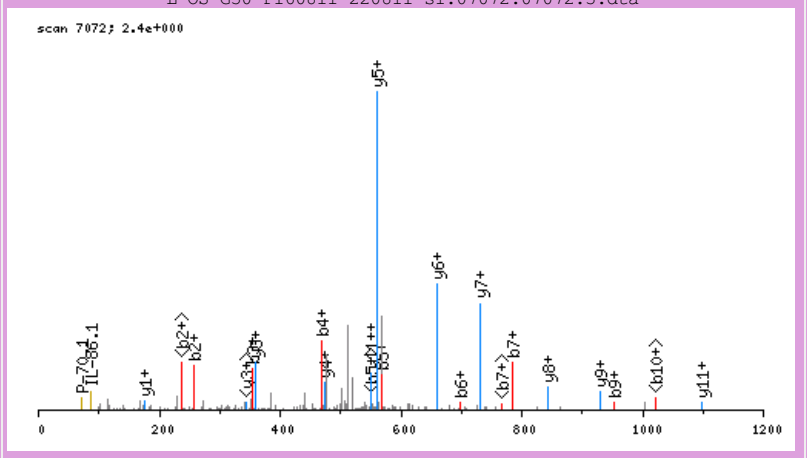
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	21		
272.1246	2	E	20	2345.1990	1173.1034
458.2039	3	W	19	2216.1564	1108.5821
529.2410	4	A	18	2030.0770	1015.5424
616.2731	5	S	17	1959.0399	980.0239
744.3317	6	Q	16	1872.0079	936.5079
845.3793	7	T	15	1743.9493	872.4786
946.4270	8	T	14	1642.9016	821.9547
1061.4540	9	D	13	1541.8540	771.4309
1118.4754	10	G	12	1426.8270	713.9174
1274.6017	11	K	11	1369.8056	685.4067
1387.6858	12	L	10	1213.6793	607.3435
1484.7385	13	P	9	1100.5952	550.8015
1613.7811	14	E	8	1003.5424	502.2751
1712.8496	15	V	7	874.4998	437.7538
1813.8972	16	T	6	775.4314	388.2196
1970.0235	17	K	5	674.3838	337.6958
2085.0505	18	D	4	518.2575	259.6326
2184.1189	19	V	3	403.2305	202.1192
2313.1615	20	E	2	304.1621	152.5850
	21	R	1	175.1195	88.0637

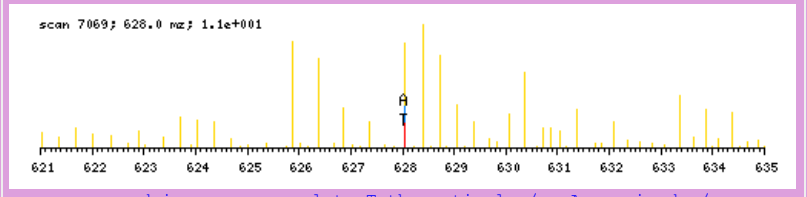
N-term:+29.04 K(11):+156.13
K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NIVLTQSPASLAVSLGQR, MH+ 1882.0762, m/z 628.0302
L OS G30 P160811 220811-s1.07072.07072.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



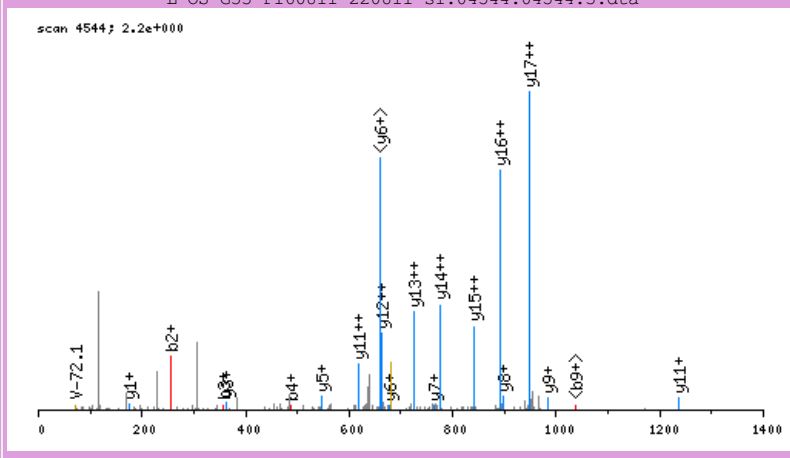
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	18		
256.1661	2	I	17	1740.0020	870.5049
355.2345	3	V	16	1626.9179	813.9629
468.3186	4	L	15	1527.8495	764.4287
569.3662	5	T	14	1414.7654	707.8866
697.4248	6	Q	13	1313.7177	657.3628
784.4569	7	S	12	1185.6592	593.3335
881.5096	8	P	11	**1098.6271**	**549.8175**
952.5467	9	A	10	1001.5744	501.2911
1039.5788	10	S	9	**930.5373**	465.7725
1152.6628	11	L	8	**843.5052**	422.2565
1223.6999	12	A	7	**730.4212**	365.7145
1322.7684	13	V	6	**659.3840**	330.1959
1409.8004	14	S	5	**560.3156**	280.6617
1522.8844	15	L	4	**473.2836**	237.1457
1579.9059	16	G	3	**360.1995**	180.6037
1707.9645	17	Q	2	303.1781	152.0930
	18	R	1	**175.1195**	88.0637

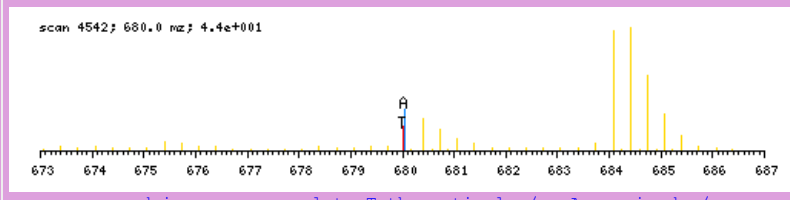
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NIVMTQSPKSMSMSVGER, MH+ 2038.0135, m/z 680.0094
L OS G33 P160811 220811-s1.04544.04544.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



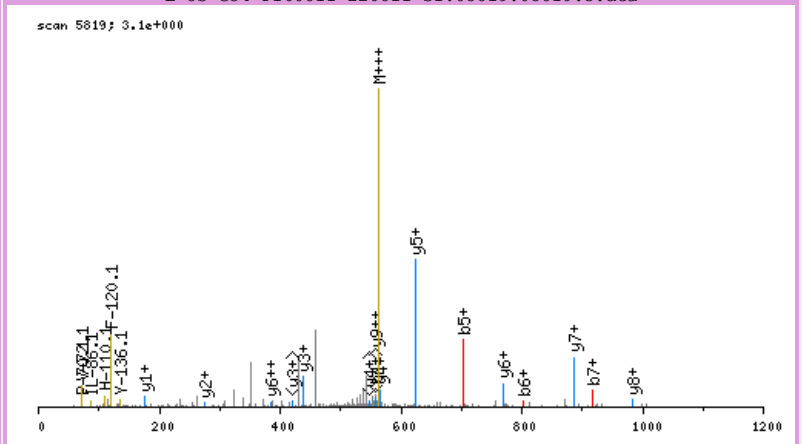
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	18		
256.1661	2	I	17	1895.9393	948.4736
355.2345	3	V	16	1782.8553	891.9315
486.2750	4	M	15	1683.7869	842.3973
587.3227	5	T	14	1552.7464	776.8771
715.3812	6	Q	13	1451.6987	726.3533
802.4133	7	S	12	1323.6401	662.3240
899.4660	8	P	11	1236.6081	618.8080
1055.5923	9	K	10	1139.5553	570.2816
1142.6244	10	S	9	983.4290	492.2184
1273.6649	11	M	8	896.3970	448.7024
1360.6969	12	S	7	765.3565	383.1822
1491.7374	13	M	6	678.3245	339.6662
1578.7694	14	S	5	547.2840	274.1459
1677.8378	15	V	4	460.2520	230.6299
1734.8593	16	G	3	361.1836	181.0957
1863.9019	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

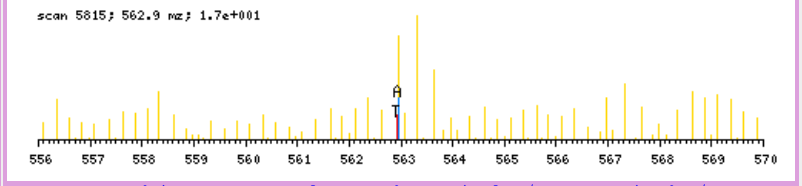
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NKDCEVDFGEYVR, MH+ 1686.7797, m/z 562.9314
L OS G34 P160811 220811-s1.05819.05819.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



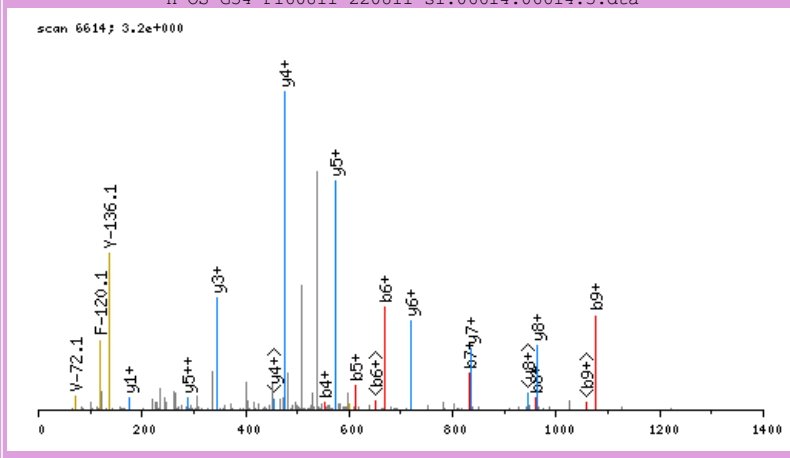
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
299.2083	2	K	12	1544.7055	772.8567
414.2353	3	D	11	1388.5792	694.7935
574.2659	4	C	10	1273.5523	637.2800
703.3085	5	E	9	1113.5217	**557.2647**
802.3769	6	V	8	**984.4791**	492.7434
917.4038	7	D	7	**885.4107**	443.2092
1064.4722	8	F	6	**770.3837**	**385.6958**
1121.4937	9	G	5	**623.3153**	312.1616
1250.5363	10	E	4	**566.2938**	283.6508
1413.5996	11	Y	3	**437.2512**	219.1295
1512.6680	12	V	2	**274.1879**	137.5979
	13	R	1	**175.1195**	88.0637

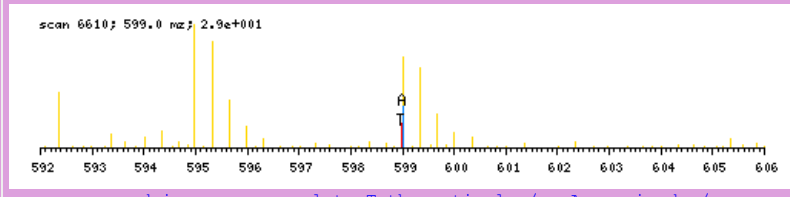
N-term:+29.04 K(2):+156.13
C(4):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NKDQGGYEDFVEGLR, MH+ 1794.9299, m/z 598.9815
H OS G34 P160811 220811-s1.06614.06614.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



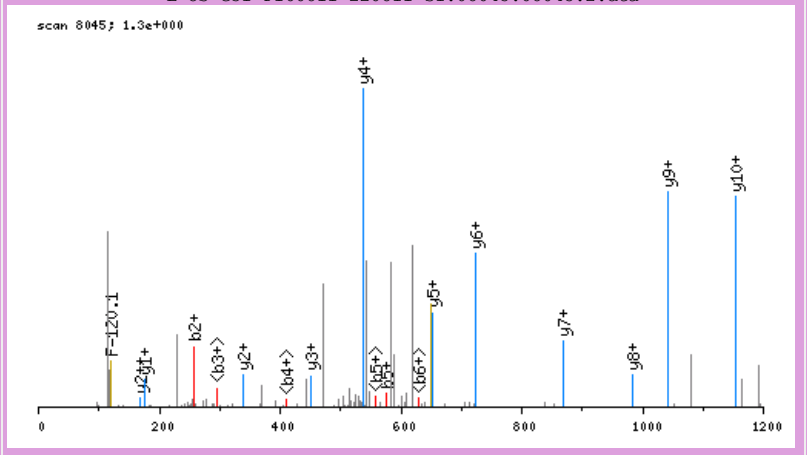
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	15		
311.2719	2	K	14	1646.8239	823.9158
426.2989	3	D	13	1484.6658	742.8368
554.3574	4	Q	12	1369.6388	685.3233
611.3789	5	G	11	1241.5802	621.2940
668.4004	6	G	10	1184.5588	592.7833
831.4637	7	Y	9	1127.5373	564.2726
960.5063	8	E	8	**964.4740**	482.7409
1075.5332	9	D	7	**835.4314**	418.2196
1222.6017	10	F	6	**720.4044**	360.7061
1321.6701	11	V	5	**573.3360**	**287.1719**
1450.7127	12	E	4	**474.2676**	237.6377
1507.7341	13	G	3	**345.2250**	173.1164
1620.8182	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

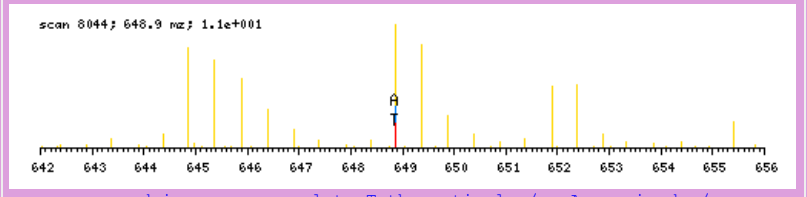
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NLGDFAISLYR, MH+ 1296.6952, m/z 648.8512
L OS G31 P160811 220811-s1.08045.08045.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



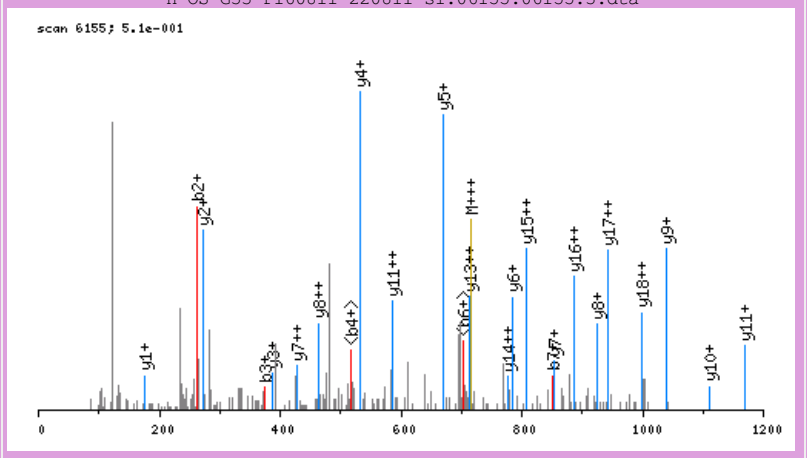
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	11		
256.1661	2	L	10	**1154.6210**	577.8144
313.1876	3	G	9	**1041.5369**	521.2724
428.2145	4	D	8	**984.5155**	492.7616
575.2829	5	F	7	**869.4885**	435.2482
646.3200	6	A	6	**722.4201**	361.7140
759.4041	7	I	5	**651.3830**	326.1954
846.4361	8	S	4	**538.2989**	269.6534
959.5202	9	L	3	**451.2669**	226.1374
1122.5835	10	Y	2	**338.1828**	**169.5953**
	11	R	1	**175.1195**	88.0637

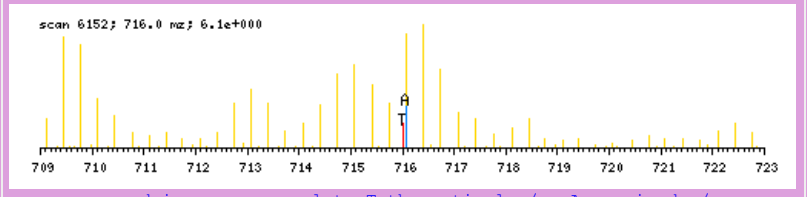
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NLLCGEEQGADAALHFNPR, MH+ 2146.0563, m/z 716.0236
H OS G33 P160811 220811-s1.06155.06155.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



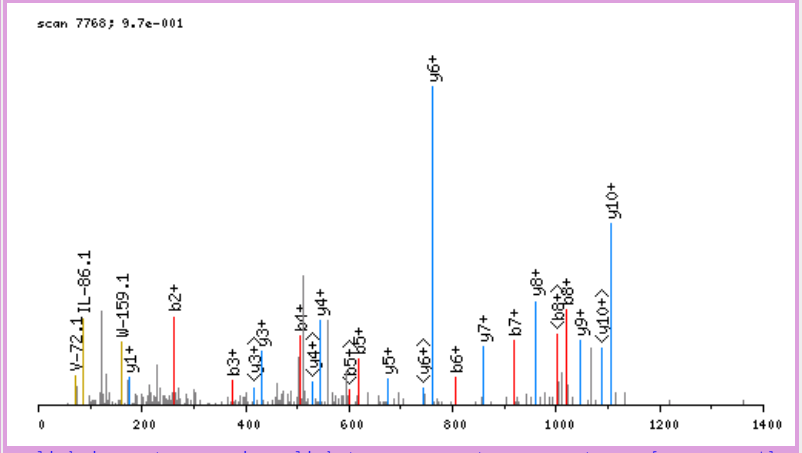
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	19		
262.1979	2	L	18	1997.9503	999.4791
375.2820	3	L	17	1884.8662	942.9370
535.3126	4	C	16	1771.7822	886.3950
592.3340	5	G	15	1611.7516	806.3797
721.3766	6	E	14	1554.7301	777.8690
850.4192	7	E	13	1425.6875	713.3477
978.4778	8	Q	12	1296.6449	648.8264
1035.4992	9	G	11	1168.5863	584.7971
1106.5364	10	A	10	1111.5649	556.2863
1221.5633	11	D	9	1040.5278	520.7678
1292.6004	12	A	8	925.5008	463.2543
1363.6375	13	A	7	854.4637	427.7358
1476.7216	14	L	6	783.4266	392.2172
1613.7805	15	H	5	670.3425	335.6752
1760.8489	16	F	4	533.2836	267.1457
1874.8918	17	N	3	386.2152	193.6115
1971.9446	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

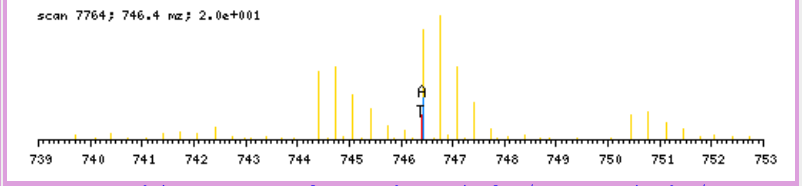
N-term:+35.07 C(4):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

NLLENWDTLGSTVSQLQER, MH+ 2237.1626, m/z 746.3924
H OS G30 P160811 220811-s1.07768.07768.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



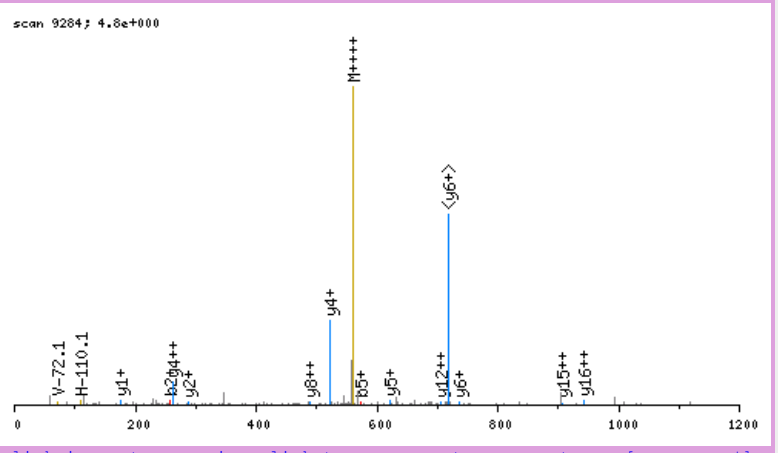
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	19		
262.1979	2	L	18	2089.0566	1045.0322
375.2820	3	L	17	1975.9725	988.4902
504.3245	4	E	16	1862.8884	931.9481
618.3675	5	N	15	1733.8459	867.4268
804.4468	6	W	14	1619.8029	810.4054
919.4737	7	D	13	1433.7236	717.3657
1020.5214	8	T	12	1318.6967	659.8522
1133.6055	9	L	11	1217.6490	609.3284
1190.6269	10	G	10	**1104.5649**	552.7864
1277.6590	11	S	9	**1047.5435**	524.2756
1378.7066	12	T	8	**960.5114**	480.7596
1477.7751	13	V	7	**859.4638**	430.2358
1564.8071	14	S	6	**760.3953**	380.7016
1692.8657	15	Q	5	**673.3633**	337.1856
1805.9497	16	L	4	**545.3047**	273.1563
1934.0083	17	Q	3	**432.2207**	216.6142
2063.0509	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

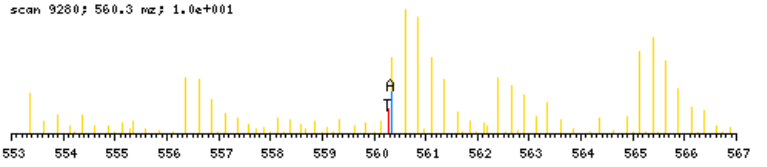
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

NLVAFHDFSSDLENVPHLR, MH+ 2238.1307, m/z 560.2881
L OS G34 P160811 220811-s1.09284.09284.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



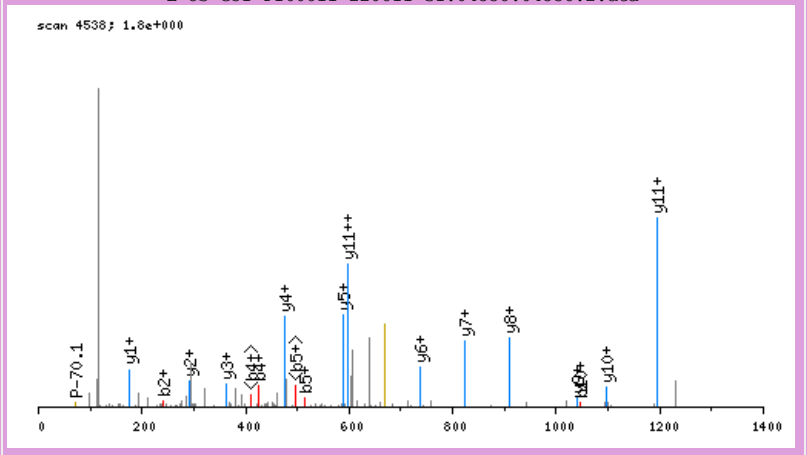
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	19		
256.1661	2	L	18	2096.0565	1048.5322
355.2345	3	V	17	1982.9724	991.9901
426.2716	4	A	16	1883.9040	**942.4559**
573.3400	5	F	15	1812.8669	**906.9374**
710.3989	6	H	14	1665.7985	833.4032
825.4259	7	D	13	1528.7396	764.8737
972.4943	8	F	12	1413.7127	**707.3602**
1059.5263	9	S	11	1266.6442	633.8260
1146.5584	10	S	10	1179.6122	590.3100
1261.5853	11	D	9	1092.5802	546.7940
1374.6694	12	L	8	977.5532	**489.2805**
1503.7120	13	E	7	864.4692	432.7385
1617.7549	14	N	6	**735.4266**	368.2172
1716.8233	15	V	5	**621.3837**	311.1957
1813.8761	16	P	4	**522.3152**	**261.6615**
1950.9350	17	H	3	425.2625	213.1352
2064.0190	18	L	2	**288.2036**	144.6057
	19	R	1	**175.1195**	88.0637

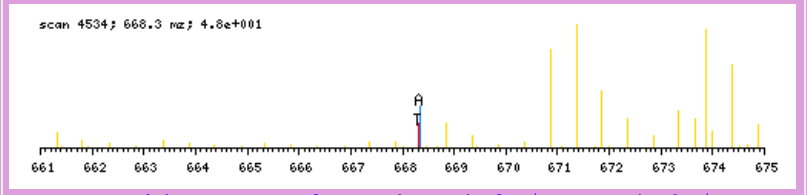
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NPGESSFDLADR, MH+ 1335.6181, m/z 668.3127
L OS G31 P160811 220811-s1.04538.04538.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



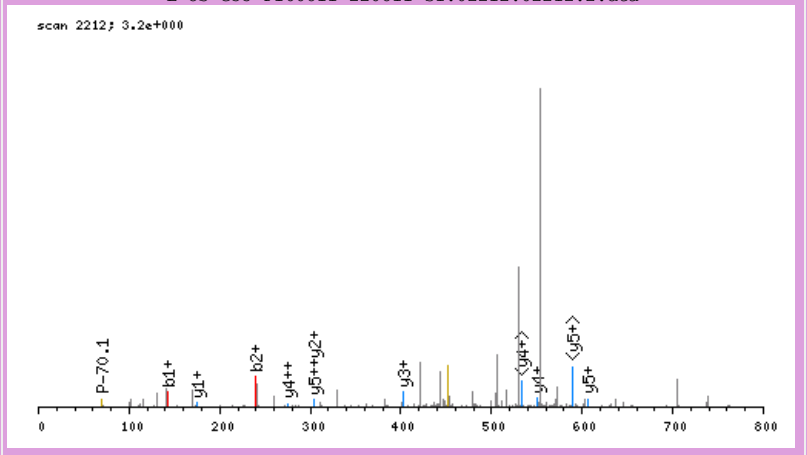
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	12		
240.1348	2	P	11	1193.5439	597.2758
297.1563	3	G	10	1096.4911	548.7495
426.1988	4	E	9	1039.4696	520.2387
513.2309	5	S	8	910.4270	455.7174
600.2629	6	S	7	823.3950	412.2014
747.3313	7	F	6	736.3630	368.6854
862.3583	8	D	5	589.2946	295.1512
975.4423	9	L	4	474.2676	237.6377
1046.4794	10	A	3	361.1836	181.0957
1161.5064	11	D	2	290.1464	145.5771
	12	R	1	175.1195	88.0637

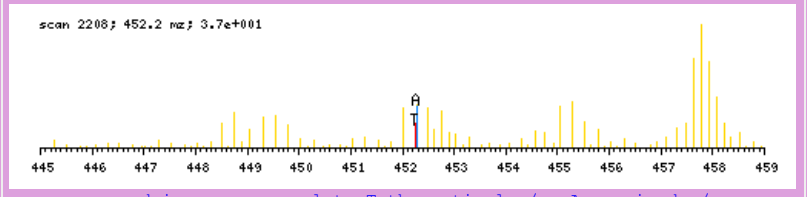
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NPGGFVER, MH+ 903.4688, m/z 452.2380
L OS G35 P160811 220811-s1.02212.02212.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



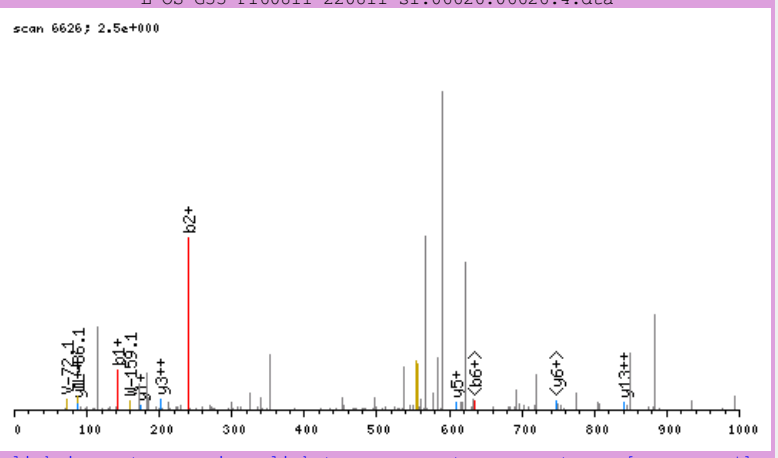
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	8		
240.1348	2	P	7	761.3946	381.2012
297.1563	3	G	6	664.3418	332.6748
354.1777	4	G	5	607.3204	304.1641
501.2461	5	F	4	550.2989	275.6534
600.3145	6	V	3	403.2305	202.1192
729.3571	7	E	2	304.1621	152.5850
	8	R	1	175.1195	88.0637

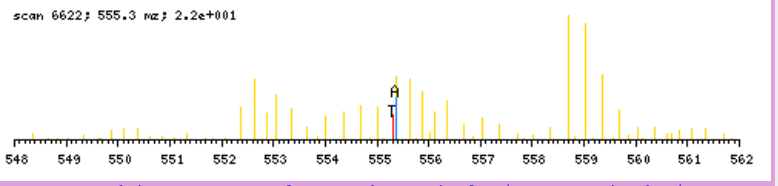
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NPQNGLKIRPFMKAHLNR, MH+ 2218.2760, m/z 555.3244
L OS G33 P160811 220811-s1.06626.06626.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



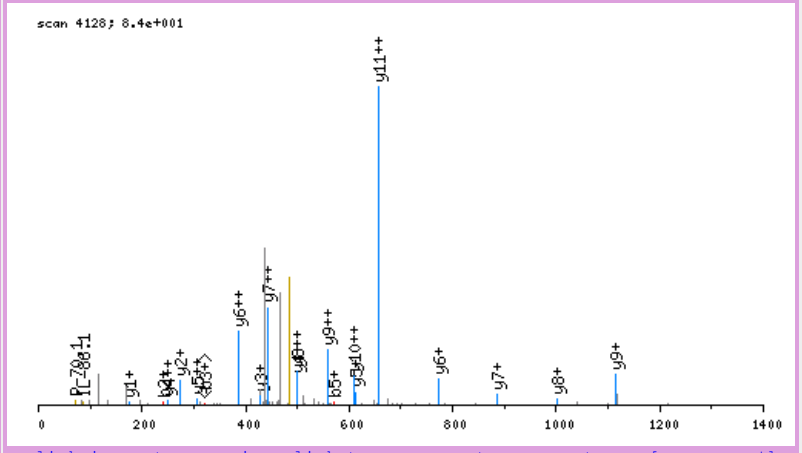
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	18		
240.1348	2	P	17	2076.2018	1038.6048
368.1934	3	Q	16	1979.1490	990.0784
482.2363	4	N	15	1851.0904	926.0491
539.2578	5	G	14	1737.0475	869.0277
652.3418	6	L	13	1680.0260	**840.5169**
808.4681	7	K	12	1566.9420	783.9749
921.5522	8	I	11	1410.8157	705.9117
1077.6533	9	R	10	1297.7316	649.3697
1174.7061	10	P	9	1141.6305	571.3192
1321.7745	11	F	8	1044.5777	522.7928
1452.8150	12	M	7	897.5093	449.2586
1608.9413	13	K	6	766.4688	383.7383
1679.9784	14	A	5	**610.3425**	305.6752
1817.0373	15	H	4	539.3054	270.1566
1930.1214	16	L	3	402.2465	**201.6272**
2044.1643	17	N	2	289.1624	145.0851
	18	R	1	**175.1195**	**88.0637**

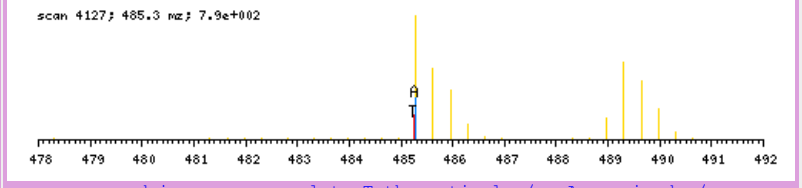
N-term:+29.04 K(7):+156.13
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NPVDDICIAKPR, MH+ 1453.7837, m/z 485.2661
L OS G33 P160811 220811-s1.04128.04128.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

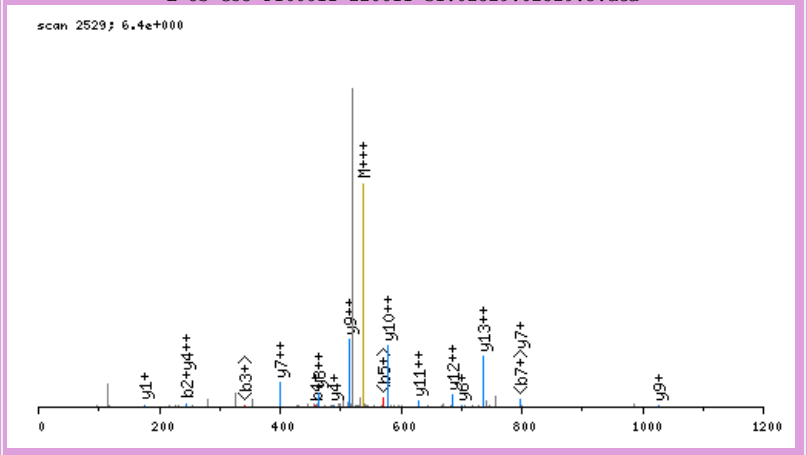


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

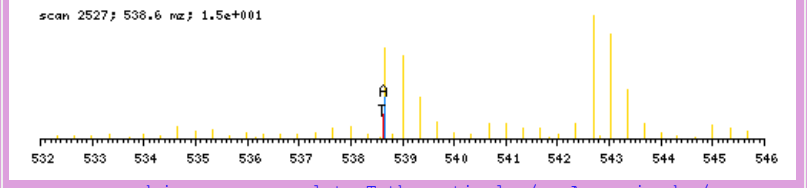
b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	12		
240.1348	2	P	11	1311.7095	656.3586
339.2032	3	V	10	1214.6567	607.8323
454.2301	4	D	9	1115.5883	558.2981
569.2571	5	D	8	1000.5613	500.7846
682.3412	6	I	7	885.5344	443.2711
842.3718	7	C	6	772.4503	386.7291
955.4558	8	I	5	612.4197	306.7138
1026.4929	9	A	4	499.3357	250.1718
1182.6192	10	K	3	428.2986	214.6532
1279.6720	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

N-term:+29.04 C(7):+160.03
K(10):+156.13

NTDVETQPGKTVIR, MH+ 1613.8863, m/z 538.6336
L OS G33 P160811 220811-s1.02529.02529.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

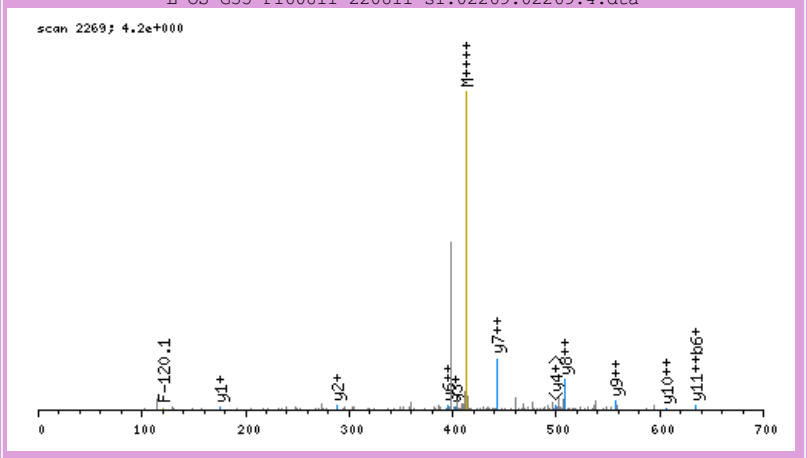
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	14		
244.1297	2	T	13	1471.8121	**736.4099**
359.1566	3	D	12	1370.7644	**685.8861**
458.2251	4	V	11	1255.7374	**628.3726**
587.2677	5	E	10	1156.6690	**578.8384**
688.3153	6	T	9	**1027.6264**	**514.3171**
816.3739	7	Q	8	926.5788	**463.7933**
913.4267	8	P	7	**798.5202**	**399.7640**
970.4481	9	G	6	**701.4674**	351.2376
1126.5744	10	K	5	644.4460	322.7269
1227.6221	11	T	4	**488.3197**	**244.6637**
1326.6905	12	V	3	387.2720	194.1399
1439.7746	13	I	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

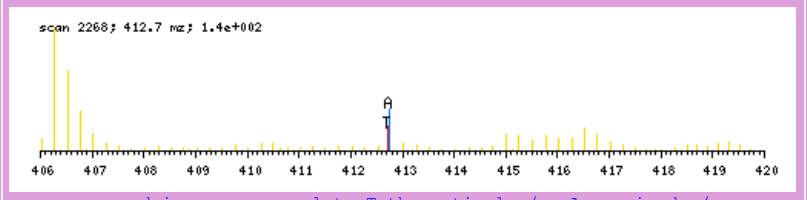
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NTHGPVEPDKDNIR, MH+ 1647.8455, m/z 412.7168
L OS G35 P160811 220811-s1.02269.02269.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



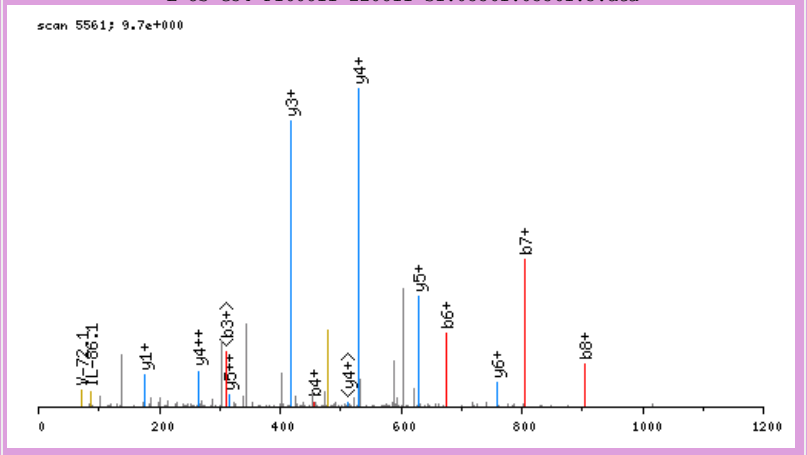
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	14		
244.1297	2	T	13	1505.7713	753.3895
381.1886	3	H	12	1404.7236	702.8657
438.2101	4	G	11	1267.6647	**634.3363**
535.2628	5	P	10	1210.6432	**605.8255**
634.3313	6	V	9	1113.5904	**557.2991**
763.3739	7	E	8	1014.5220	**507.7649**
860.4266	8	P	7	885.4794	**443.2436**
975.4536	9	D	6	788.4267	**394.7173**
1131.5799	10	K	5	673.3997	337.2038
1246.6068	11	D	4	517.2734	259.1406
1360.6497	12	N	3	**402.2465**	201.6272
1473.7338	13	I	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

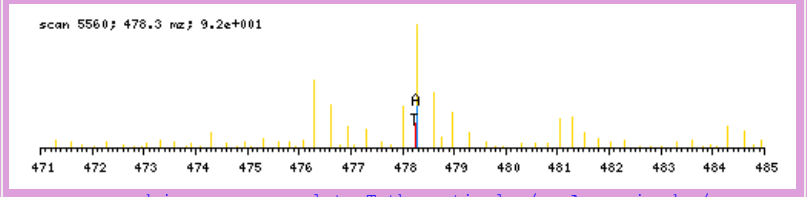
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NVSQSMEVLELR, MH+ 1432.7470, m/z 478.2538
L OS G34 P160811 220811-s1.05561.05561.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



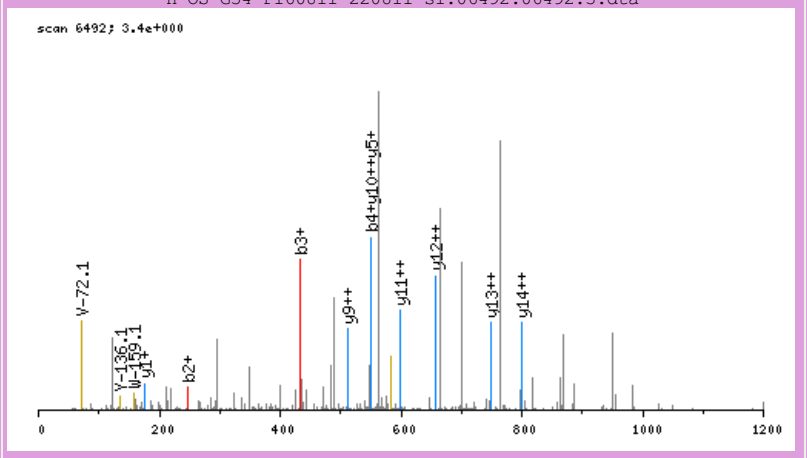
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	12		
242.1504	2	V	11	1290.6728	645.8403
329.1825	3	S	10	1191.6043	596.3061
457.2410	4	Q	9	1104.5723	552.7901
544.2731	5	S	8	976.5137	488.7608
675.3136	6	M	7	889.4817	445.2448
804.3562	7	E	6	**758.4412**	379.7245
903.4246	8	V	5	**629.3986**	**315.2032**
1016.5086	9	L	4	**530.3302**	**265.6690**
1145.5512	10	E	3	**417.2462**	209.1270
1258.6353	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

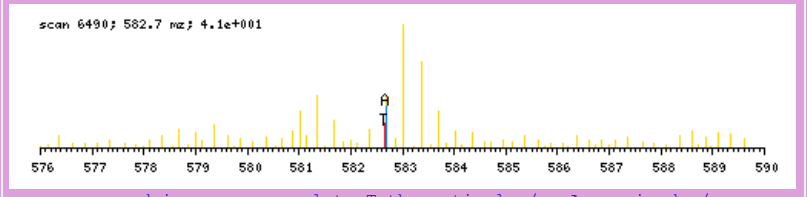
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

NVWDTAGQEKFGGLR, MH+ 1745.9611, m/z 582.6586
H OS G34 P160811 220811-s1.06492.06492.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



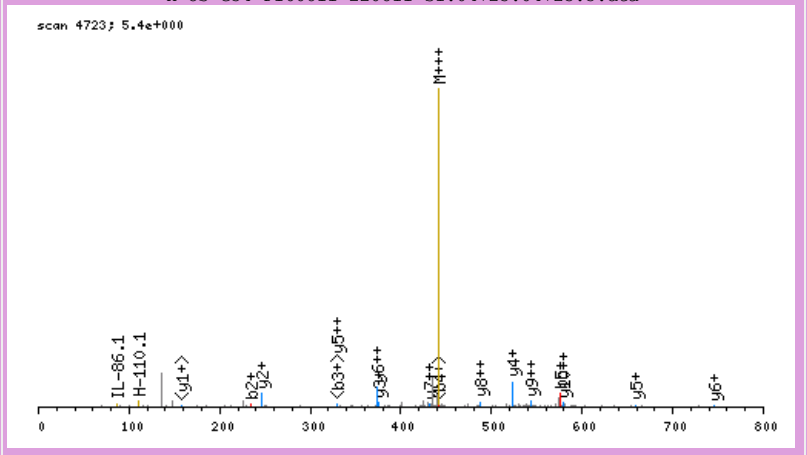
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	15		
248.1822	2	V	14	1597.8551	**799.4315**
434.2616	3	W	13	1498.7867	**749.8973**
549.2885	4	D	12	1312.7074	**656.8576**
650.3362	5	T	11	1197.6804	**599.3441**
721.3733	6	A	10	1096.6328	**548.8203**
778.3948	7	G	9	1025.5956	**513.3017**
906.4533	8	Q	8	968.5742	484.7910
1035.4959	9	E	7	840.5156	420.7617
1197.6540	10	K	6	711.4730	356.2404
1344.7224	11	F	5	**549.3149**	275.1614
1401.7439	12	G	4	402.2465	201.6272
1458.7654	13	G	3	345.2250	173.1164
1571.8494	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

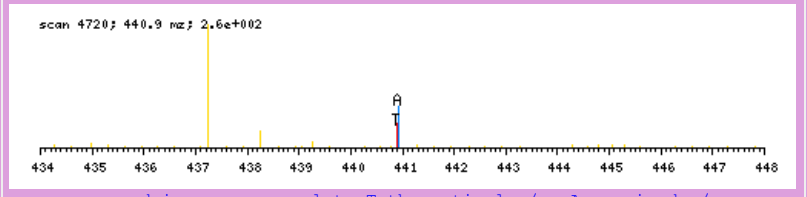
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QALIDSHFEAR, MH+ 1320.7124, m/z 440.9090
H OS G34 P160811 220811-s1.04723.04723.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



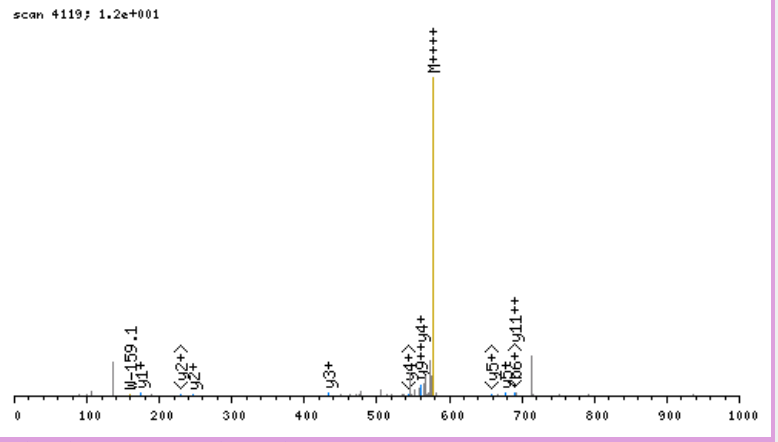
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	11		
234.1666	2	A	10	1158.5907	**579.7993**
347.2507	3	L	9	1087.5536	**544.2807**
460.3347	4	I	8	974.4696	**487.7387**
575.3617	5	D	7	861.3855	**431.1967**
662.3937	6	S	6	**746.3586**	**373.6832**
799.4526	7	H	5	**659.3265**	**330.1672**
946.5210	8	F	4	**522.2676**	261.6377
1075.5636	9	E	3	**375.1992**	188.1035
1146.6007	10	A	2	**246.1566**	123.5822
	11	R	1	175.1195	88.0637

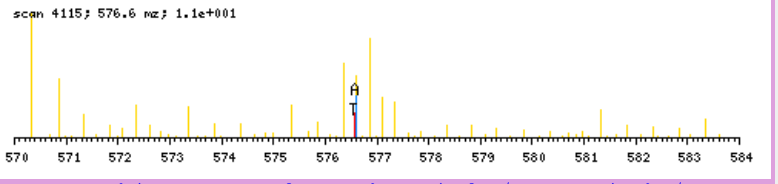
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QAVIKTQSKPEDEADEWAR, MH+ 2303.2732, m/z 576.5738
H OS G34 P160811 220811-s1.04119.04119.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



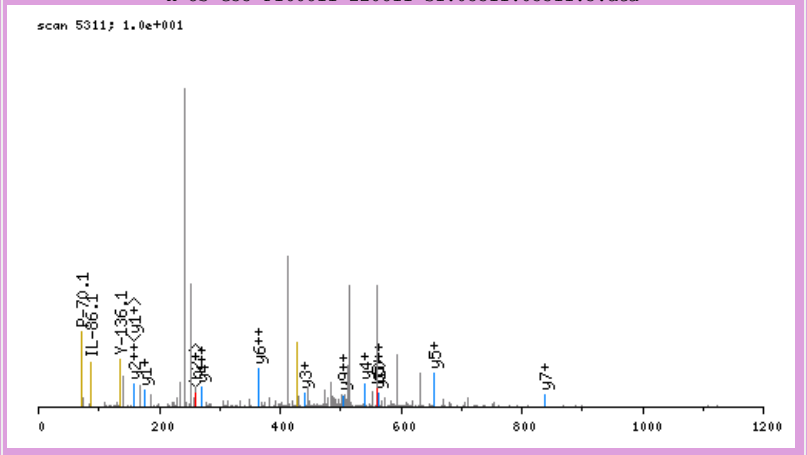
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	19		
234.1666	2	A	18	2141.1515	1071.0797
333.2350	3	V	17	2070.1144	1035.5611
446.3191	4	I	16	1971.0460	986.0269
608.4772	5	K	15	1857.9620	929.4849
709.5248	6	T	14	1695.8039	848.4058
837.5834	7	Q	13	1594.7562	797.8820
924.6155	8	S	12	1466.6976	733.8527
1086.7736	9	K	11	1379.6656	**690.3367**
1183.8263	10	P	10	1217.5075	609.2576
1312.8689	11	E	9	1120.4547	**560.7313**
1427.8959	12	D	8	991.4121	496.2100
1556.9384	13	E	7	876.3852	438.6965
1627.9756	14	A	6	747.3426	374.1752
1743.0025	15	D	5	**676.3055**	338.6566
1872.0451	16	E	4	**561.2785**	281.1432
2058.1244	17	W	3	**432.2359**	216.6219
2129.1615	18	A	2	**246.1566**	123.5822
	19	R	1	**175.1195**	88.0637

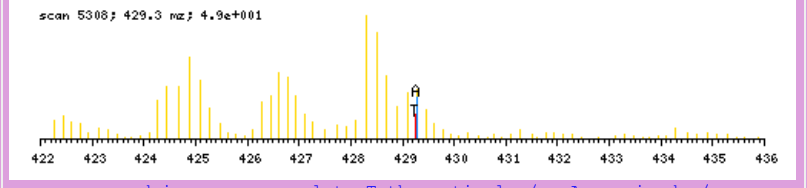
N-term:+35.07 K(5):+162.16
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

QDAVLALTQHR, MH+ 1285.7440, m/z 429.2529
H OS G35 P160811 220811-s1.05311.05311.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



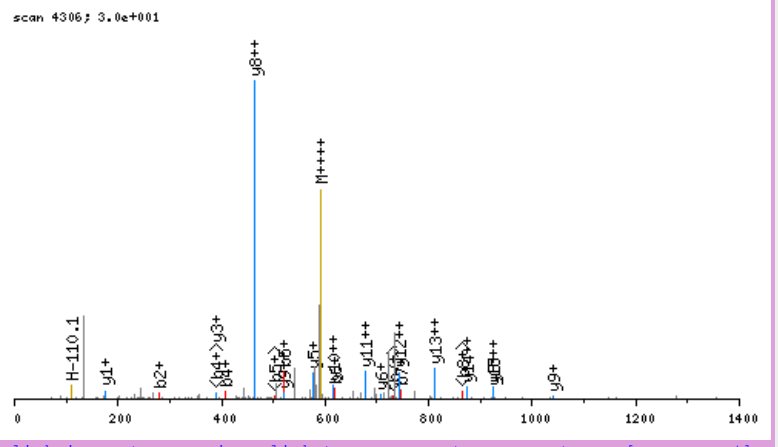
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	11		
278.1564	2	D	10	1123.6224	**562.3151**
349.1935	3	A	9	1008.5954	**504.8016**
448.2619	4	V	8	937.5583	469.2831
561.3460	5	L	7	**838.4899**	419.7489
632.3831	6	A	6	725.4058	**363.2068**
745.4672	7	L	5	**654.3687**	327.6883
846.5149	8	T	4	**541.2847**	**271.1462**
974.5734	9	Q	3	**440.2370**	220.6224
1111.6324	10	H	2	312.1784	**156.5931**
	11	R	1	**175.1195**	88.0637

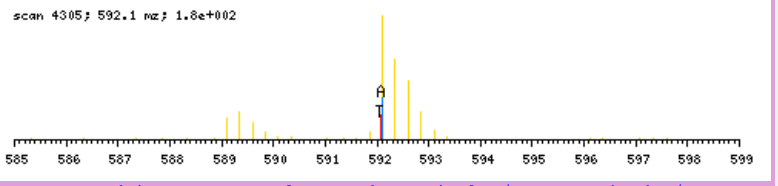
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

QDGALVQHQQWDGKESTITR, MH+ 2365.2537, m/z 592.0689
H OS G34 P160811 220811-s1.04306.04306.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



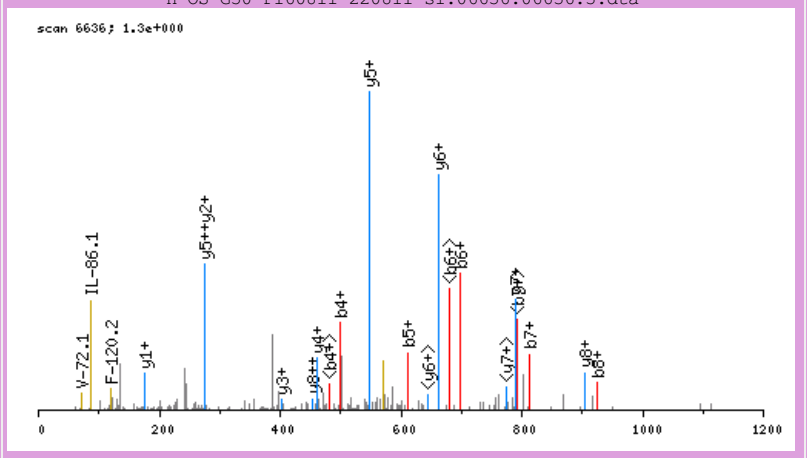
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	20		
278.1564	2	D	19	2203.1320	1102.0699
335.1779	3	G	18	2088.1051	1044.5564
406.2150	4	A	17	2031.0836	1016.0457
519.2991	5	L	16	1960.0465	980.5272
618.3675	6	V	15	1846.9624	**923.9851**
746.4261	7	Q	14	1747.8940	**874.4509**
883.4850	8	H	13	1619.8354	**810.4216**
1011.5435	9	Q	12	1482.7765	**741.8922**
1139.6021	10	Q	11	1354.7179	**677.8629**
1325.6814	11	W	10	1226.6594	**613.8336**
1440.7084	12	D	9	**1040.5801**	**520.7939**
1497.7298	13	G	8	**925.5531**	**463.2805**
1659.8879	14	K	7	868.5316	434.7697
1788.9305	15	E	6	**706.3735**	353.6907
1875.9626	16	S	5	**577.3310**	289.1694
1977.0102	17	T	4	490.2989	245.6534
2090.0943	18	I	3	**389.2512**	195.1295
2191.1420	19	T	2	276.1672	138.5875
	20	R	1	**175.1195**	88.0637

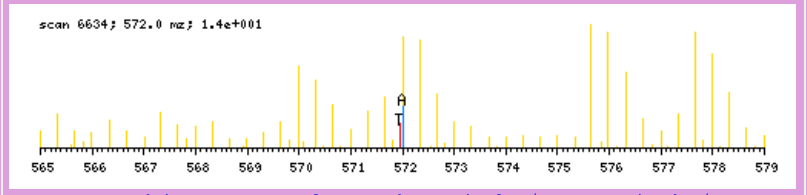
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QDGYLSLLQDSGEVR, MH+ 1713.8871, m/z 571.9672
H OS G30 P160811 220811-s1.06636.06636.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



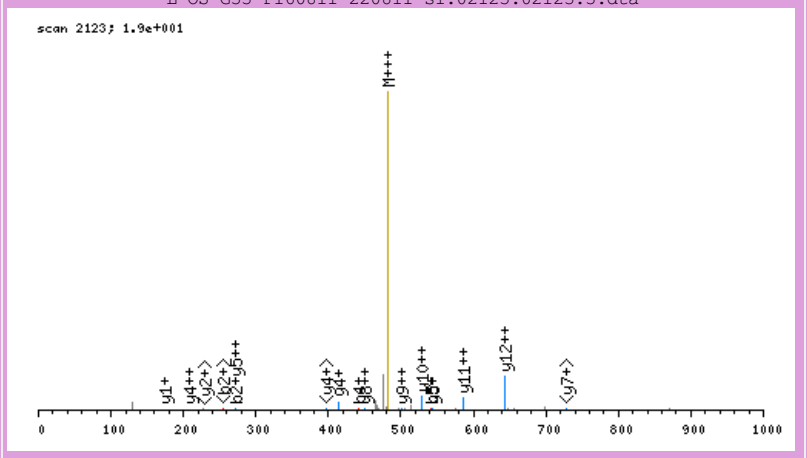
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	15		
278.1564	2	D	14	1551.7655	776.3867
335.1779	3	G	13	1436.7385	718.8732
498.2412	4	Y	12	1379.7171	690.3624
611.3253	5	L	11	1216.6537	608.8308
698.3573	6	S	10	1103.5697	552.2888
811.4414	7	L	9	1016.5376	508.7727
924.5254	8	L	8	**903.4536**	**452.2307**
1052.5840	9	Q	7	**790.3695**	395.6887
1167.6110	10	D	6	**662.3109**	331.6594
1254.6430	11	S	5	**547.2840**	**274.1459**
1311.6644	12	G	4	**460.2520**	230.6299
1440.7070	13	E	3	**403.2305**	202.1192
1539.7755	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

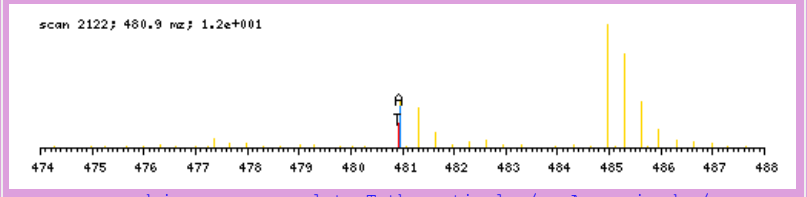
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QDLGVKNSEPAAR, MH+ 1440.7811, m/z 480.9319
L OS G33 P160811 220811-s1.02123.02123.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



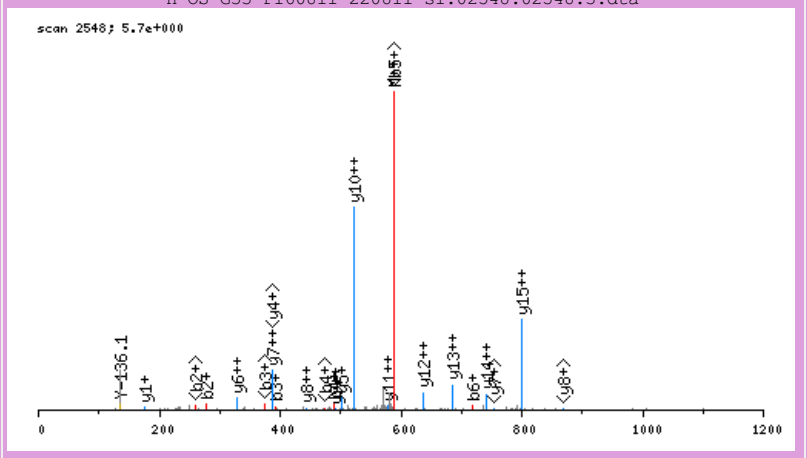
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	13		
272.1246	2	D	12	1284.6912	642.8495
385.2087	3	L	11	1169.6643	585.3361
442.2301	4	G	10	1056.5802	528.7940
541.2986	5	V	9	999.5588	500.2833
697.4249	6	K	8	900.4903	450.7491
811.4678	7	N	7	744.3640	372.6859
898.4998	8	S	6	630.3211	315.6645
1027.5424	9	E	5	543.2891	272.1485
1124.5952	10	P	4	414.2465	207.6272
1195.6323	11	A	3	317.1937	159.1008
1266.6694	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

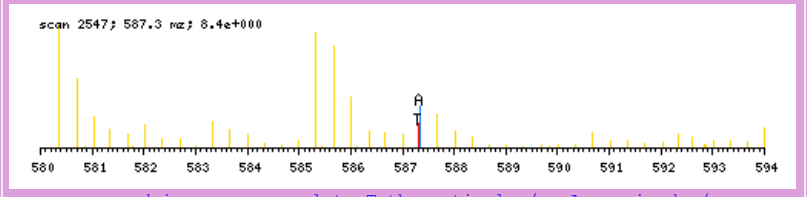
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QDLVNDGPDDRPAGTR, MH+ 1759.8787, m/z 587.2977
H_OS_G33_P160811_220811-s1.02548.02548.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



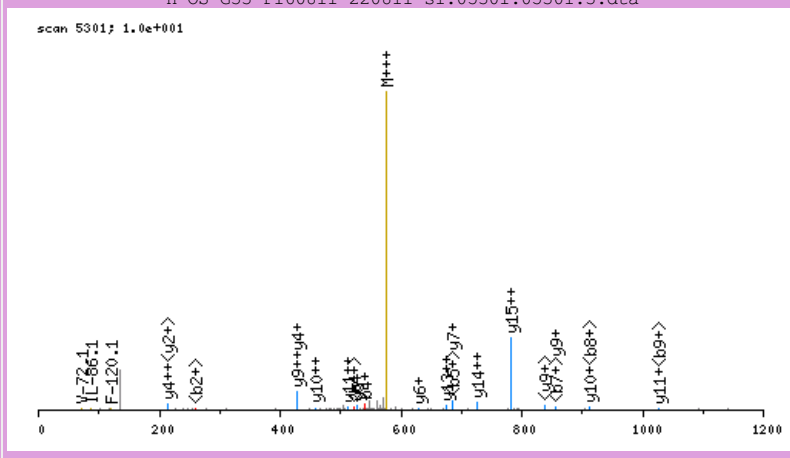
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	16		
278.1564	2	D	15	1597.7570	**799.3824**
391.2405	3	L	14	1482.7301	**741.8690**
490.3089	4	V	13	1369.6460	**685.3269**
604.3518	5	N	12	1270.5776	**635.7927**
719.3788	6	D	11	1156.5347	**578.7713**
776.4002	7	G	10	1041.5077	**521.2578**
873.4530	8	P	9	984.4863	**492.7471**
988.4799	9	D	8	887.4335	**444.2207**
1103.5069	10	D	7	772.4066	**386.7072**
1259.6080	11	R	6	657.3796	**329.1937**
1356.6608	12	P	5	**501.2785**	251.1432
1427.6979	13	A	4	404.2258	202.6168
1484.7193	14	G	3	333.1886	167.0982
1585.7670	15	T	2	276.1672	138.5875
	16	R	1	**175.1195**	88.0637

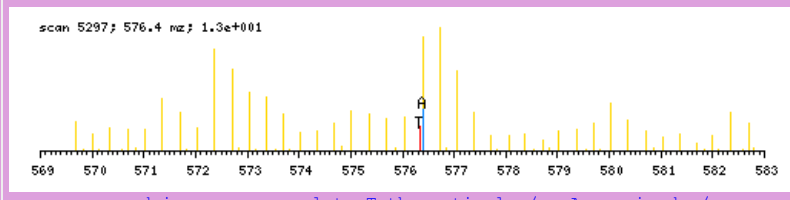
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QDVYKIGGIGTVPVGR, MH+ 1727.0492, m/z 576.3546
H OS G33 P160811 220811-s1.05301.05301.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



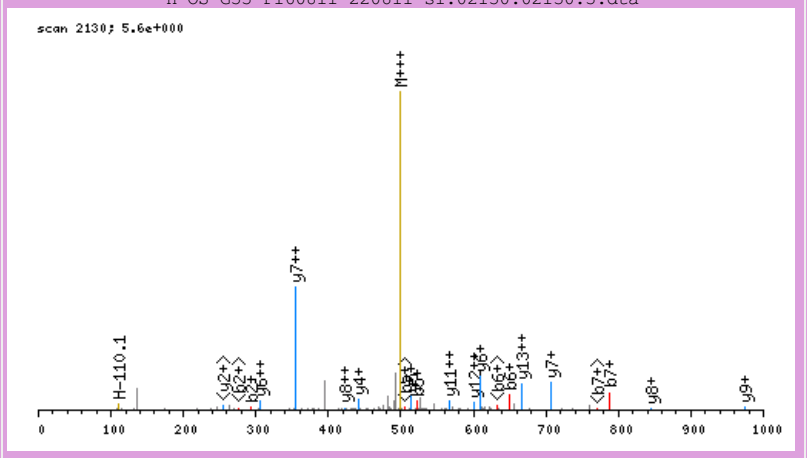
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	16		
278.1564	2	D	15	1564.9275	**782.9677**
377.2248	3	V	14	1449.9006	**725.4542**
540.2882	4	Y	13	1350.8322	**675.9200**
702.4463	5	K	12	1187.7689	594.3883
815.5303	6	I	11	**1025.6108**	**513.3093**
872.5518	7	G	10	**912.5267**	**456.7673**
929.5733	8	G	9	**855.5052**	**428.2565**
1042.6573	9	I	8	798.4838	399.7458
1099.6788	10	G	7	**685.3997**	343.2038
1200.7265	11	T	6	**628.3782**	314.6930
1299.7949	12	V	5	**527.3306**	264.1692
1396.8476	13	P	4	**428.2621**	**214.6350**
1495.9161	14	V	3	331.2094	166.1086
1552.9375	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

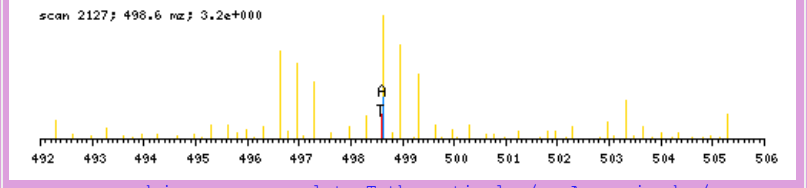
N-term:+35.07 K(5):+162.16

QEASAEHPPAVAPR, MH+ 1493.7924, m/z 498.6023
H OS G33 P160811 220811-s1.02130.02130.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



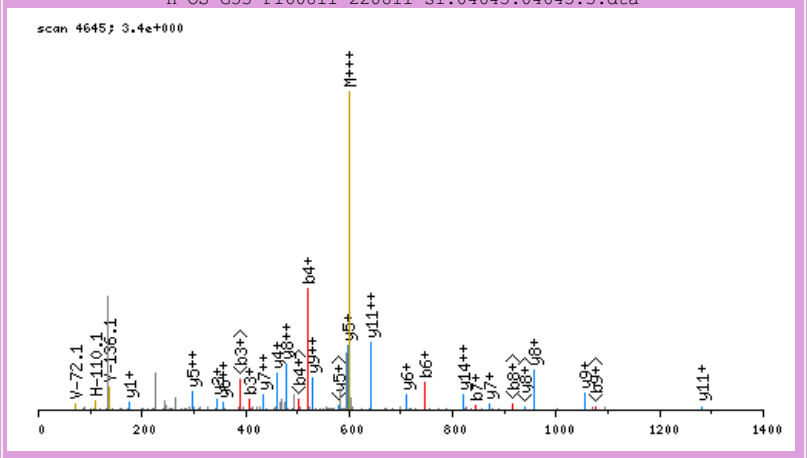
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	14		
292.1721	2	E	13	1331.6708	666.3393
363.2092	3	A	12	1202.6282	601.8180
450.2412	4	S	11	1131.5911	566.2995
521.2783	5	A	10	1044.5591	522.7834
650.3209	6	E	9	973.5219	487.2649
787.3798	7	H	8	844.4793	422.7436
884.4326	8	P	7	707.4204	354.2141
981.4854	9	P	6	610.3677	305.6877
1052.5225	10	A	5	513.3149	257.1614
1151.5909	11	V	4	442.2778	221.6428
1222.6280	12	A	3	343.2094	172.1086
1319.6808	13	P	2	272.1723	136.5900
	14	R	1	175.1195	88.0637

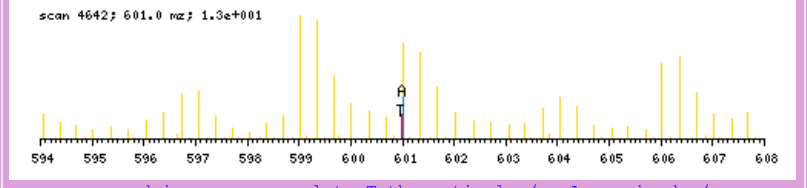
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QEDIPEVSCIHNGLR, MH+ 1800.9126, m/z 600.9757
H OS G33 P160811 220811-s1.04645.04645.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



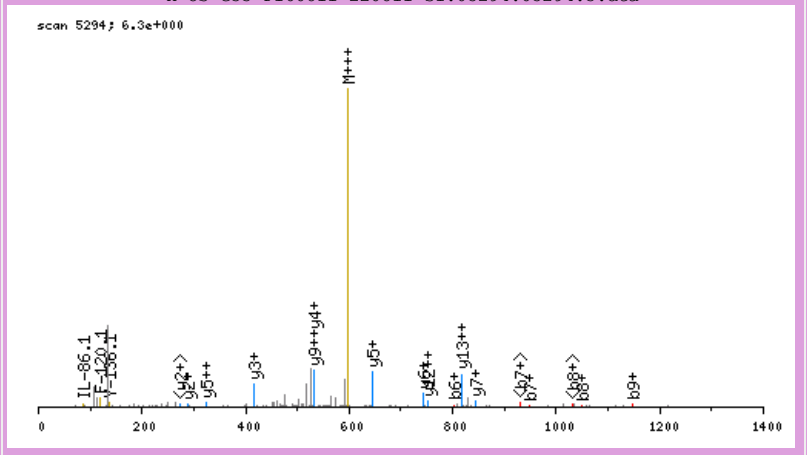
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	15		
292.1721	2	E	14	1638.7909	**819.8994**
407.1990	3	D	13	1509.7483	755.3781
520.2831	4	I	12	1394.7214	697.8646
617.3358	5	P	11	**1281.6373**	**641.3226**
746.3784	6	E	10	1184.5846	592.7962
845.4468	7	V	9	**1055.5420**	**528.2749**
932.4789	8	S	8	**956.4736**	**478.7407**
1092.5095	9	C	7	**869.4415**	**435.2247**
1205.5935	10	I	6	**709.4109**	**355.2094**
1342.6525	11	H	5	**596.3269**	**298.6673**
1456.6954	12	N	4	**459.2680**	230.1379
1513.7168	13	G	3	**345.2250**	173.1164
1626.8009	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

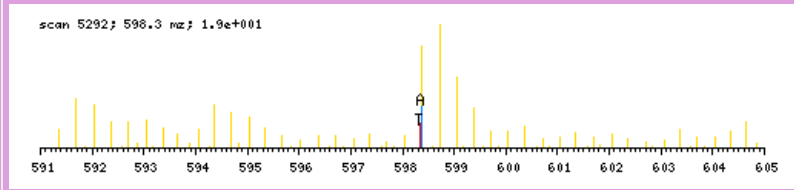
N-term:+35.07 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QEFKEAFTVIDQNR, MH+ 1792.9870, m/z 598.3338
H OS G33 P160811 220811-s1.05294.05294.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



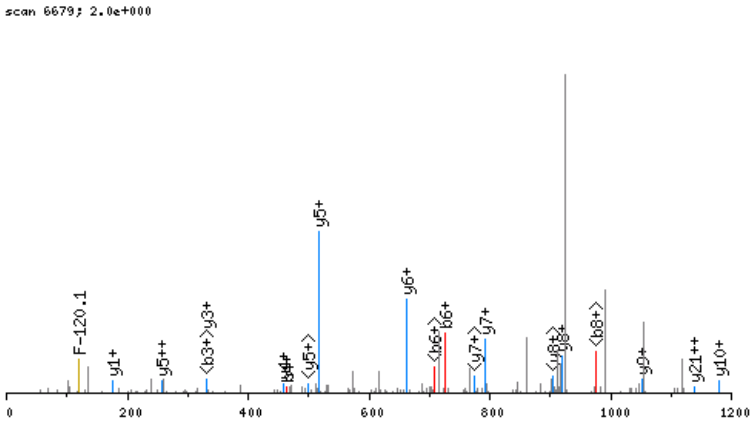
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	14		
292.1721	2	E	13	1630.8653	**815.9366**
439.2405	3	F	12	1501.8227	**751.4153**
601.3986	4	K	11	1354.7543	677.8811
730.4412	5	E	10	1192.5962	596.8020
801.4783	6	A	9	1063.5536	**532.2807**
948.5467	7	F	8	992.5165	496.7622
1049.5944	8	T	7	**845.4481**	423.2280
1148.6628	9	V	6	**744.4004**	372.7041
1261.7469	10	I	5	**645.3320**	**323.1699**
1376.7738	11	D	4	**532.2479**	266.6279
1504.8324	12	Q	3	**417.2210**	209.1144
1618.8753	13	N	2	**289.1624**	145.0851
	14	R	1	175.1195	88.0637

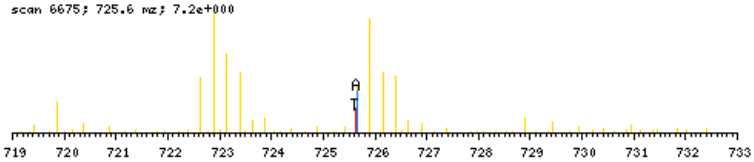
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QEGDKVIRPGVSQAGEEMEQFGQGVR, MH+ 2899.5008, m/z 725.6307
H OS G34 P160811 220811-s1.06679.06679.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



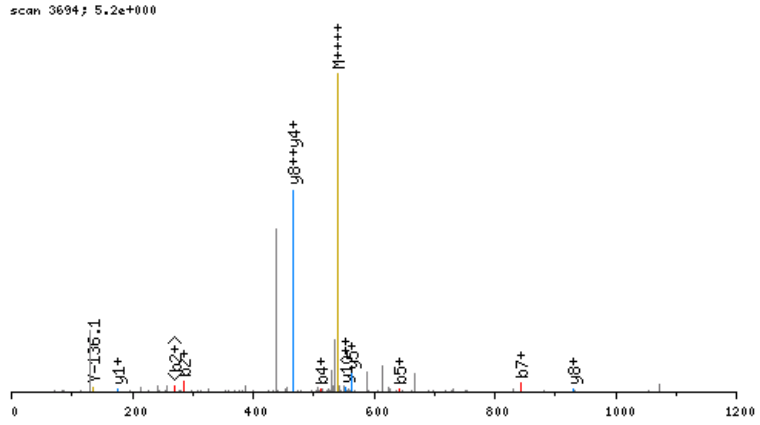
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	26		
292.1721	2	E	25	2737.3792	1369.1935
349.1935	3	G	24	2608.3366	1304.6722
464.2205	4	D	23	2551.3151	1276.1615
626.3786	5	K	22	2436.2882	1218.6480
725.4470	6	V	21	2274.1301	**1137.5690**
838.5311	7	I	20	2175.0617	1088.0348
994.6322	8	R	19	2061.9776	1031.4927
1091.6849	9	P	18	1905.8765	953.4422
1148.7064	10	G	17	1808.8237	904.9158
1247.7748	11	V	16	1751.8023	876.4050
1334.8068	12	S	15	1652.7339	826.8708
1462.8654	13	Q	14	1565.7018	783.3548
1533.9025	14	A	13	1437.6433	719.3255
1590.9240	15	G	12	1366.6061	683.8070
1719.9666	16	E	11	1309.5847	655.2963
1849.0092	17	E	10	**1180.5421**	590.7750
1980.0497	18	M	9	**1051.4995**	526.2537
2109.0923	19	E	8	**920.4590**	460.7334
2237.1508	20	Q	7	**791.4164**	396.2121
2384.2192	21	F	6	**663.3578**	332.1828
2441.2407	22	G	5	**516.2894**	**258.6486**
2569.2993	23	Q	4	**459.2680**	230.1379
2626.3208	24	G	3	**331.2094**	166.1086
2725.3892	25	V	2	274.1879	137.5979
	26	R	1	**175.1195**	88.0637

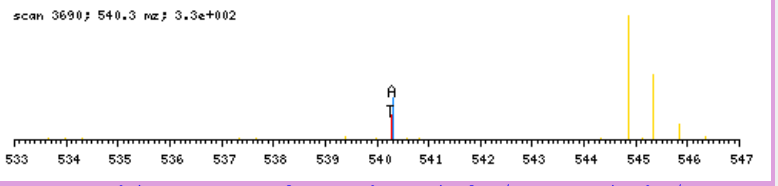
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

QEILESDGKGDPNKPSGFR, MH+ 2158.1145, m/z 540.2841
L OS G34 P160811 220811-s1.03694.03694.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



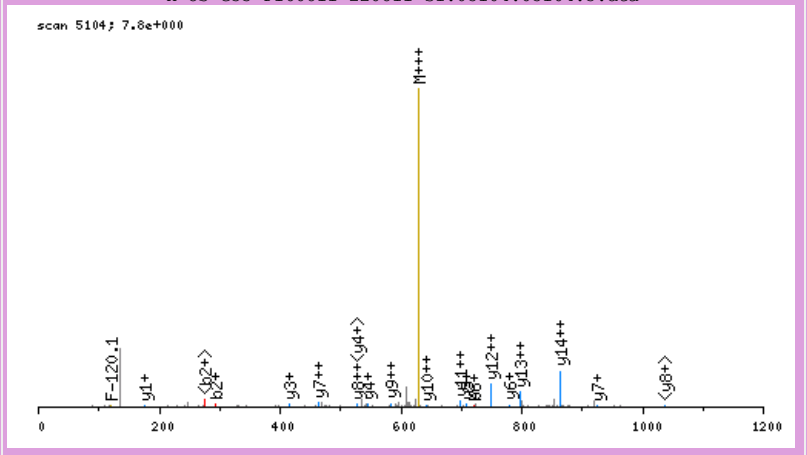
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	19		
286.1403	2	E	18	2002.0246	1001.5162
399.2243	3	I	17	1872.9820	936.9949
512.3084	4	L	16	1759.8980	880.4529
641.3510	5	E	15	1646.8139	823.9109
728.3830	6	S	14	1517.7713	759.3896
843.4100	7	D	13	1430.7393	715.8736
900.4314	8	G	12	1315.7123	658.3601
1056.5577	9	K	11	1258.6909	629.8493
1113.5792	10	G	10	1102.5646	**551.7862**
1228.6061	11	D	9	1045.5431	523.2755
1325.6589	12	P	8	**930.5162**	**465.7620**
1439.7018	13	N	7	833.4634	417.2356
1595.8281	14	K	6	719.4205	360.2141
1692.8809	15	P	5	**563.2942**	282.1510
1779.9129	16	S	4	**466.2414**	233.6246
1836.9344	17	G	3	379.2094	190.1086
1984.0028	18	F	2	322.1879	161.5979
	19	R	1	**175.1195**	88.0637

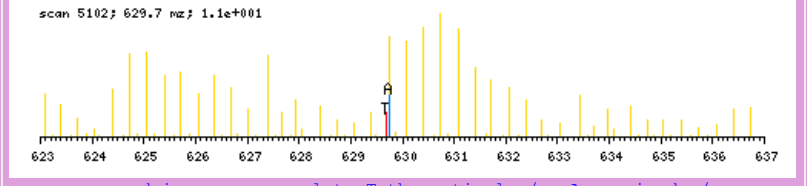
N-term:+29.04 K(9):+156.13
K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QEVTNNLEFAKELQR, MH+ 1887.0612, m/z 629.6919
H OS G33 P160811 220811-s1.05104.05104.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



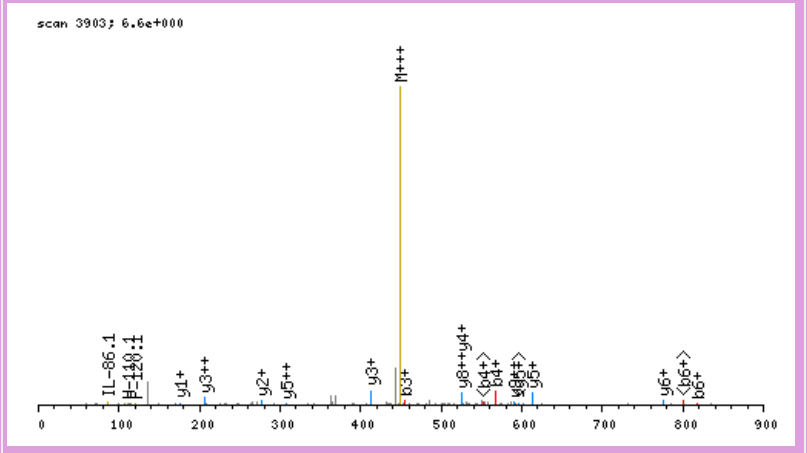
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	15		
292.1721	2	E	14	1724.9396	**862.9737**
391.2405	3	V	13	1595.8970	**798.4524**
492.2882	4	T	12	1496.8286	**748.9182**
606.3311	5	N	11	1395.7809	**698.3944**
720.3740	6	N	10	1281.7379	**641.3729**
833.4581	7	L	9	1167.6950	**584.3514**
962.5007	8	E	8	1054.6110	**527.8094**
1109.5691	9	F	7	**925.5684**	**463.2881**
1180.6062	10	A	6	**778.4999**	389.7539
1342.7643	11	K	5	**707.4628**	354.2353
1471.8069	12	E	4	**545.3047**	273.1563
1584.8910	13	L	3	**416.2621**	208.6350
1712.9495	14	Q	2	303.1781	152.0930
	15	R	1	**175.1195**	88.0637

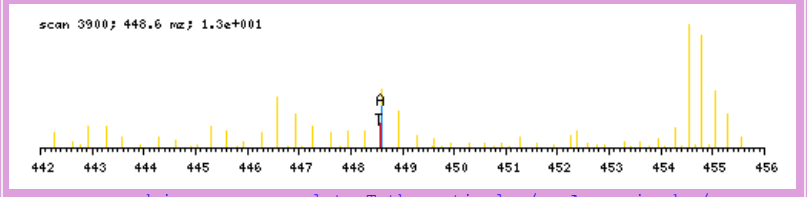
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QEYIYSIHTR, MH+ 1343.7172, m/z 448.5772
H OS G34 P160811 220811-s1.03903.03903.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



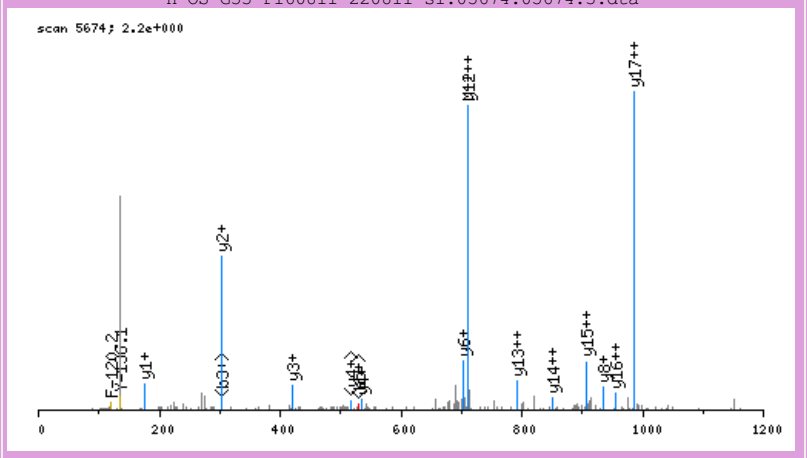
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	10		
292.1721	2	E	9	1181.5955	**591.3017**
455.2354	3	Y	8	1052.5529	**526.7804**
568.3195	4	I	7	889.4896	445.2487
731.3828	5	Y	6	**776.4055**	388.7067
818.4148	6	S	5	**613.3422**	**307.1750**
931.4989	7	I	4	**526.3102**	263.6590
1068.5578	8	H	3	**413.2261**	**207.1170**
1169.6055	9	T	2	**276.1672**	138.5875
	10	R	1	**175.1195**	88.0637

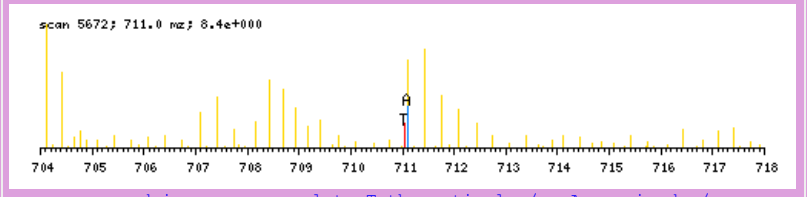
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

QGVNLYVKNLDDGIDDER, MH+ 2131.1307, m/z 711.0484
H OS G33 P160811 220811-s1.05674.05674.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



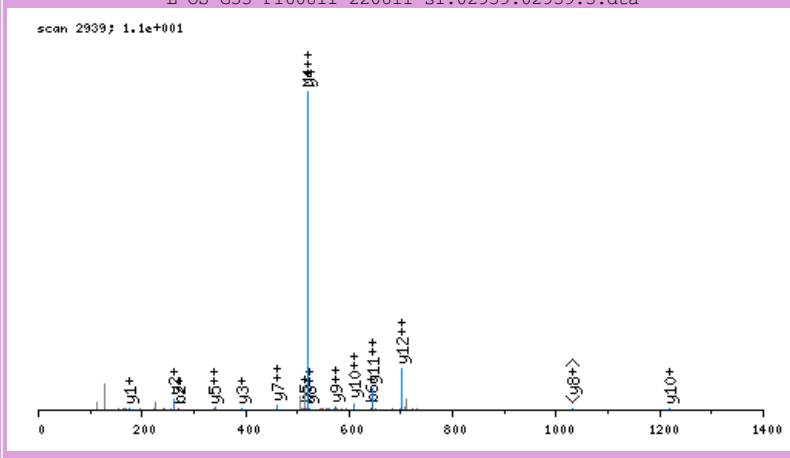
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	18		
220.1509	2	G	17	1969.0091	**985.0085**
319.2194	3	V	16	1911.9876	**956.4977**
433.2623	4	N	15	1812.9192	**906.9635**
546.3463	5	L	14	1698.8763	**849.9421**
709.4097	6	Y	13	1585.7922	**793.4000**
808.4781	7	V	12	1422.7289	**711.8684**
970.6362	8	K	11	1323.6605	662.3342
1084.6791	9	N	10	1161.5024	581.2551
1197.7632	10	L	9	1047.4595	524.2336
1312.7901	11	D	8	**934.3754**	467.6916
1427.8171	12	D	7	819.3485	410.1781
1484.8385	13	G	6	**704.3215**	352.6647
1597.9226	14	I	5	647.3000	324.1539
1712.9495	15	D	4	**534.2160**	267.6119
1827.9765	16	D	3	**419.1890**	210.0984
1957.0191	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

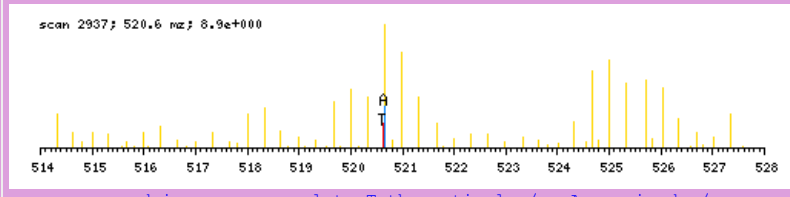
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QIAATELEKEESR, MH+ 1559.8281, m/z 520.6142
L OS G33 P160811 220811-s1.02939.02939.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



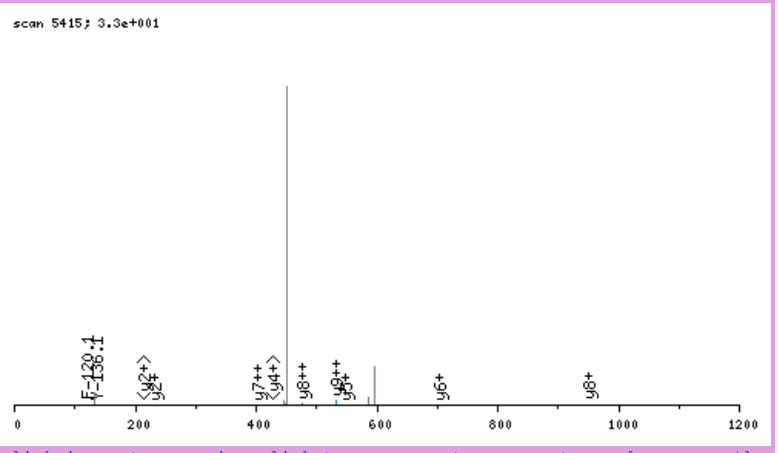
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	13		
270.1817	2	I	12	1403.7382	702.3730
341.2189	3	A	11	1290.6542	645.8310
412.2560	4	A	10	1219.6171	610.3124
513.3036	5	T	9	1148.5799	574.7939
642.3462	6	E	8	1047.5323	524.2700
755.4303	7	L	7	918.4897	459.7487
884.4729	8	E	6	805.4056	403.2067
1040.5992	9	K	5	676.3630	338.6854
1169.6418	10	E	4	520.2367	260.6223
1298.6844	11	E	3	391.1941	196.1010
1385.7164	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

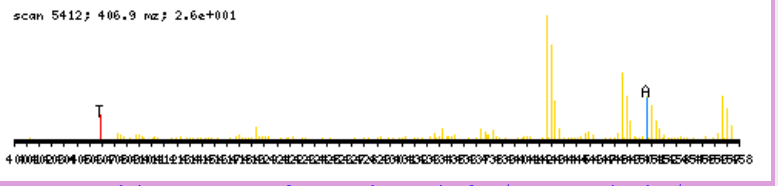
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QIFVKTLTGK, MH+ 1218.7826, m/z 406.9324
L OS G33 P160811 220811-s1.05415.05415.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



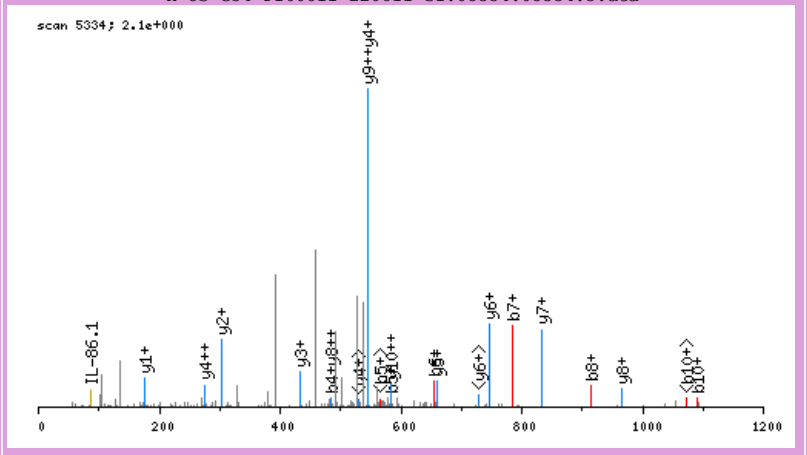
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	10		
270.1817	2	I	9	1062.6928	**531.8503**
417.2502	3	F	8	**949.6087**	**475.3083**
516.3186	4	V	7	802.5403	**401.7741**
672.4449	5	K	6	**703.4719**	352.2398
773.4925	6	T	5	**547.3456**	274.1767
886.5766	7	L	4	446.2979	223.6529
987.6243	8	T	3	333.2138	167.1108
1044.6458	9	G	2	**232.1662**	116.5870
	10	K	1	175.1447	88.0763

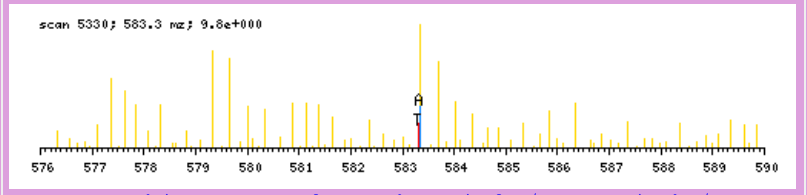
N-term:+29.04 K(5):+156.13
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QKTGTAEMSSILEER, MH+ 1747.9536, m/z 583.3227
H OS G34 P160811 220811-s1.05334.05334.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



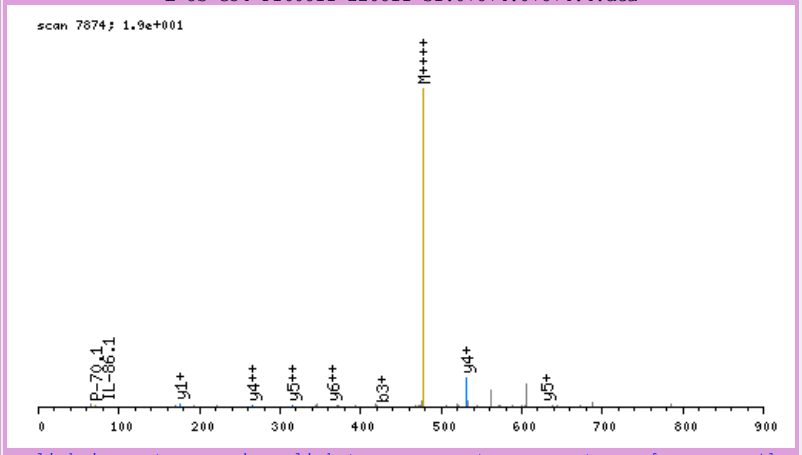
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	15		
325.2876	2	K	14	1585.8320	793.4199
426.3353	3	T	13	1423.6739	712.3409
483.3567	4	G	12	1322.6262	661.8170
584.4044	5	T	11	1265.6047	633.3063
655.4415	6	A	10	1164.5571	**582.7824**
784.4841	7	E	9	1093.5199	**547.2639**
915.5246	8	M	8	**964.4774**	**482.7426**
1002.5566	9	S	7	**833.4369**	417.2223
1089.5886	10	S	6	**746.4048**	373.7063
1202.6727	11	I	5	**659.3728**	330.1903
1315.7568	12	L	4	**546.2888**	**273.6483**
1444.7994	13	E	3	**433.2047**	217.1063
1573.8420	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

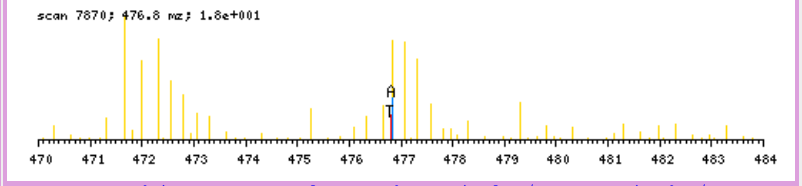
N-term:+35.07 K(2):+162.16

QLKKRPSVKPVQDLR, MH+ 1904.2174, m/z 476.8098
L OS G34 P160811 220811-s1.07874.07874.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor]



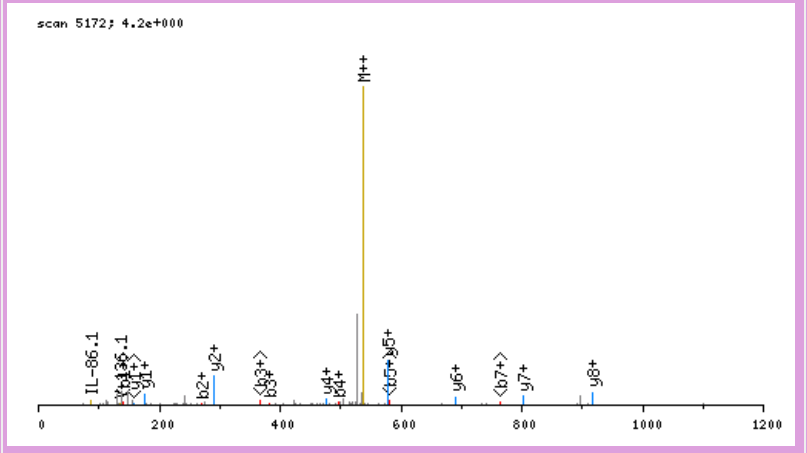
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	15		
270.1817	2	L	14	1748.1275	874.5677
426.3080	3	K	13	1635.0435	818.0257
582.4343	4	K	12	1478.9172	739.9625
738.5355	5	R	11	1322.7909	661.8994
835.5882	6	P	10	1166.6898	583.8488
922.6202	7	S	9	1069.6370	535.3224
1021.6887	8	V	8	982.6050	491.8064
1177.8150	9	K	7	883.5366	442.2722
1274.8677	10	P	6	727.4103	**364.2090**
1373.9361	11	V	5	**630.3575**	**315.6827**
1501.9947	12	Q	4	**531.2891**	**266.1485**
1617.0217	13	D	3	403.2305	202.1192
1730.1057	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

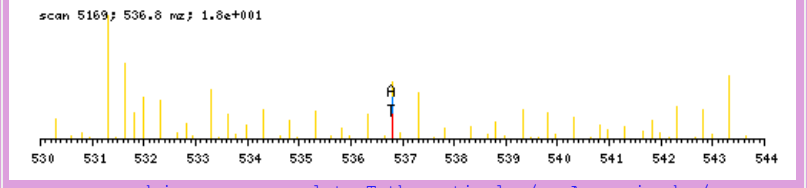
N-term:+29.04 K(3):+156.13
K(4):+156.13 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QLLLTADDR, MH+ 1072.6002, m/z 536.8037
L OS G31 P160811 220811-s1.05172.05172.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



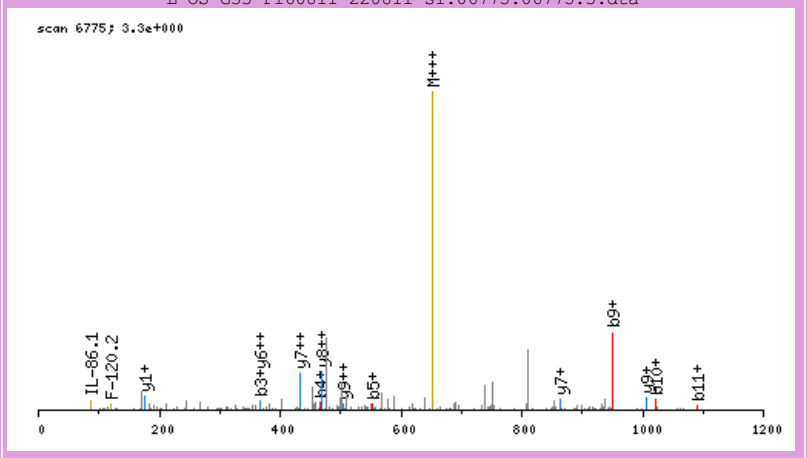
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	9		
270.1817	2	L	8	916.5104	458.7591
383.2658	3	L	7	803.4263	402.2171
496.3499	4	L	6	690.3422	345.6750
597.3975	5	T	5	577.2582	289.1330
668.4347	6	A	4	476.2105	238.6092
783.4616	7	D	3	405.1734	203.0906
898.4885	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

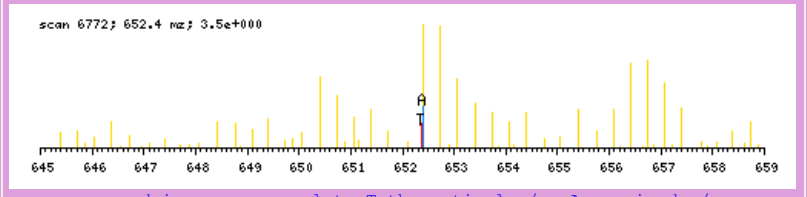
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QLPVSGPELAAMMKIGTR, MH+ 1955.0822, m/z 652.3656
L OS G33 P160811 220811-s1.06775.06775.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



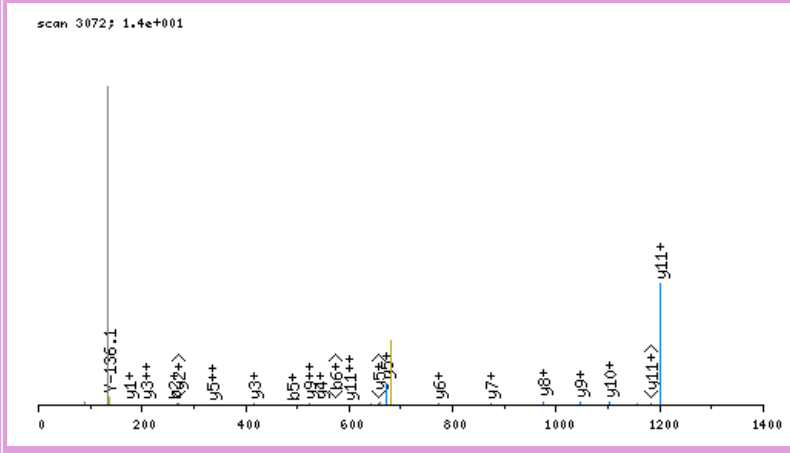
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	18		
270.1817	2	L	17	1798.9924	900.0001
367.2345	3	P	16	1685.9083	843.4581
466.3029	4	V	15	1588.8555	794.9317
553.3349	5	S	14	1489.7871	745.3975
610.3564	6	G	13	1402.7551	701.8815
707.4092	7	P	12	1345.7336	673.3707
836.4518	8	E	11	1248.6809	624.8443
949.5358	9	L	10	1119.6383	560.3230
1020.5729	10	A	9	**1006.5542**	**503.7810**
1091.6101	11	A	8	935.5171	**468.2625**
1222.6505	12	M	7	**864.4800**	**432.7439**
1353.6910	13	M	6	733.4395	**367.2237**
1509.8173	14	K	5	602.3990	301.7034
1622.9014	15	I	4	446.2727	223.6403
1679.9229	16	G	3	333.1886	167.0982
1780.9705	17	T	2	276.1672	138.5875
	18	R	1	**175.1195**	88.0637

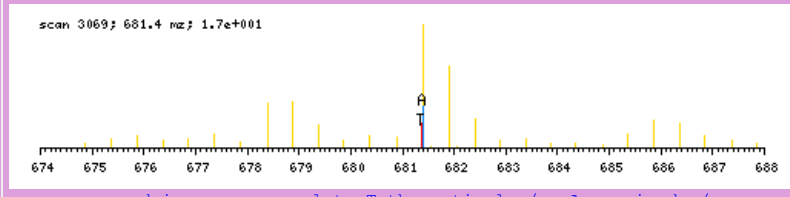
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QPGATTVQEQLR, MH+ 1361.7601, m/z 681.3837
H OS G31 P160811 220811-s1.03072.03072.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



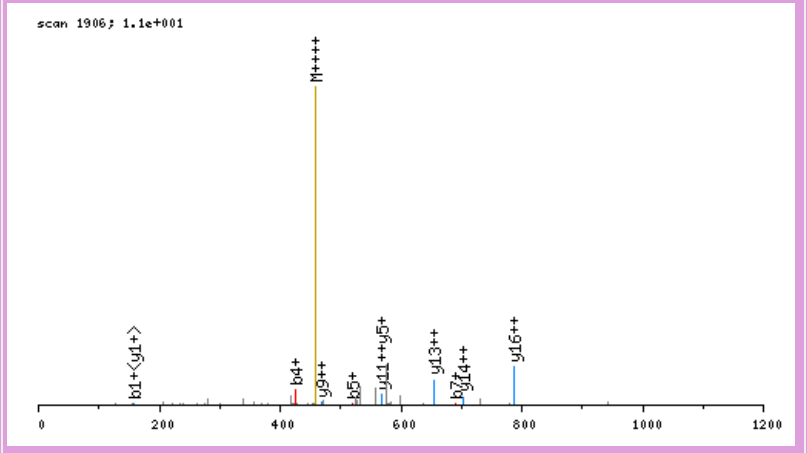
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	12		
260.1822	2	P	11	1199.6384	600.3231
317.2037	3	G	10	1102.5857	551.7967
388.2408	4	A	9	1045.5642	523.2860
489.2885	5	T	8	974.5271	487.7675
590.3362	6	T	7	873.4794	437.2436
689.4046	7	V	6	772.4317	386.7198
817.4632	8	Q	5	673.3633	337.1856
946.5058	9	E	4	545.3047	273.1563
1074.5643	10	Q	3	416.2621	208.6350
1187.6484	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

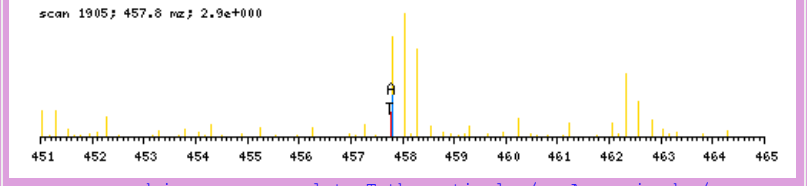
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QPGLPAVLSSPSPPLSPR, MH+ 1828.0332, m/z 457.7638
L OS G34 P160811 220811-s1.01906.01906.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



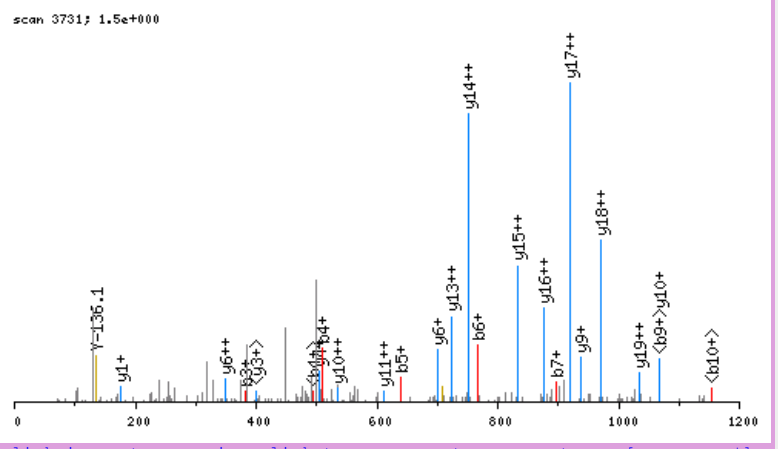
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	18		
254.1504	2	P	17	1671.9434	836.4756
311.1719	3	G	16	1574.8906	787.9492
424.2560	4	L	15	1517.8692	759.4385
521.3087	5	P	14	1404.7851	702.8965
592.3458	6	A	13	1307.7323	654.3701
691.4143	7	V	12	1236.6952	618.8515
804.4983	8	L	11	1137.6268	569.3173
891.5304	9	S	10	1024.5427	512.7753
978.5624	10	S	9	937.5107	469.2593
1075.6151	11	P	8	850.4787	425.7433
1162.6472	12	S	7	753.4259	377.2169
1259.6999	13	P	6	666.3939	333.7009
1356.7527	14	P	5	569.3411	285.1745
1469.8368	15	L	4	472.2884	236.6481
1556.8688	16	S	3	359.2043	180.1061
1653.9216	17	P	2	272.1723	136.5900
	18	R	1	175.1195	88.0637

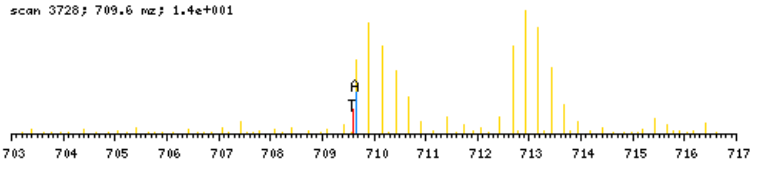
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QPQQQQMTSSYGGYKEPAAPVSIQR, MH+ 2835.4100, m/z 709.6079
L OS G32 P160811 220811-s1.03731.03731.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	25		
254.1504	2	P	24	2679.3201	1340.1640
382.2090	3	Q	23	2582.2673	1291.6376
510.2676	4	Q	22	2454.2088	1227.6083
638.3262	5	Q	21	2326.1502	1163.5790
766.3848	6	Q	20	2198.0916	1099.5497
897.4252	7	M	19	2070.0330	**1035.5204**
998.4729	8	T	18	1938.9926	**970.0002**
1085.5049	9	S	17	1837.9449	**919.4763**
1172.5370	10	S	16	1750.9128	**875.9603**
1335.6003	11	Y	15	1663.8808	**832.4443**
1392.6218	12	G	14	1500.8175	**750.9127**
1449.6432	13	G	13	1443.7960	**722.4019**
1612.7066	14	Y	12	1386.7746	693.8912
1768.8329	15	K	11	1223.7112	**612.3595**
1897.8754	16	E	10	**1067.5849**	**534.2964**
1994.9282	17	P	9	**938.5423**	469.7751
2065.9653	18	A	8	841.4896	421.2487
2137.0024	19	A	7	770.4525	385.7301
2234.0552	20	P	6	**699.4153**	**350.2116**
2333.1236	21	V	5	602.3626	301.6852
2420.1556	22	S	4	**503.2942**	252.1510
2533.2397	23	I	3	416.2621	208.6350
2661.2983	24	Q	2	303.1781	152.0930
	25	R	1	**175.1195**	88.0637

N-term:+29.04 K(15):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

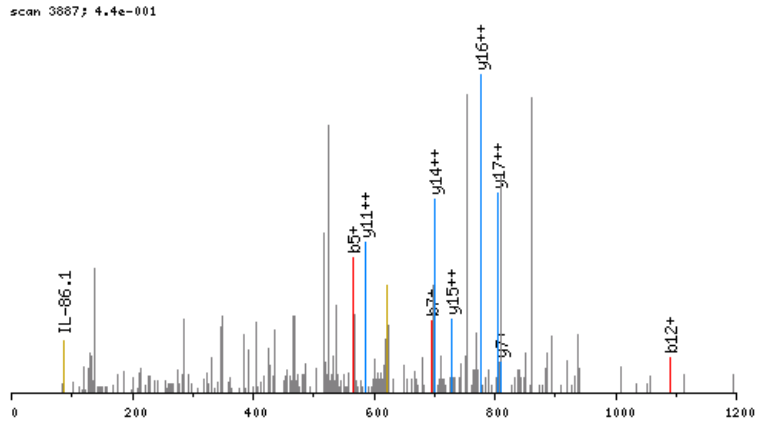
z [+] [2+] [3+]

hide H_2O/NH_3

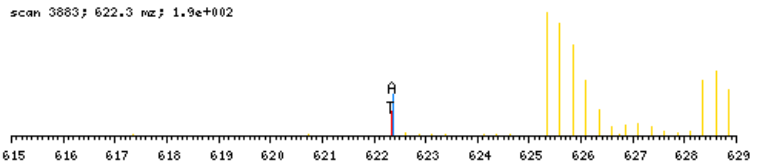
zoom 112-122

GO

QPSPQAGLAGPGPAGYGAARPTIPAR, MH+ 2486.3268, m/z 622.3372
L OS G32 P160811 220811-s1.03887.03887.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



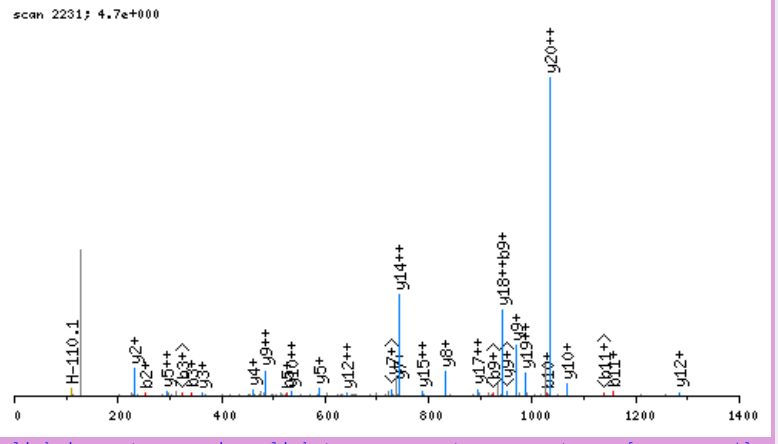
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	26		
254.1504	2	P	25	2330.2369	1165.6224
341.1825	3	S	24	2233.1842	1117.0960
438.2352	4	P	23	2146.1521	1073.5800
566.2938	5	Q	22	2049.0994	1025.0536
637.3309	6	A	21	1921.0408	961.0243
694.3524	7	G	20	1850.0037	925.5058
807.4365	8	L	19	1792.9822	896.9950
878.4736	9	A	18	1679.8982	840.4530
935.4950	10	G	17	1608.8610	**804.9344**
1032.5478	11	P	16	1551.8396	**776.4237**
1089.5693	12	G	15	1454.7868	**727.8973**
1186.6220	13	P	14	1397.7654	**699.3866**
1257.6591	14	A	13	1300.7126	650.8602
1314.6806	15	G	12	1229.6755	615.3417
1477.7439	16	Y	11	1172.6540	**586.8309**
1534.7654	17	G	10	1009.5907	505.2993
1605.8025	18	A	9	952.5692	476.7885
1676.8396	19	A	8	881.5321	441.2700
1832.9407	20	R	7	**810.4950**	405.7514
1929.9935	21	P	6	654.3939	327.7009
2031.0412	22	T	5	557.3411	279.1745
2144.1252	23	I	4	456.2934	228.6506
2241.1780	24	P	3	343.2094	172.1086
2312.2151	25	A	2	246.1566	123.5822
	26	R	1	175.1195	88.0637

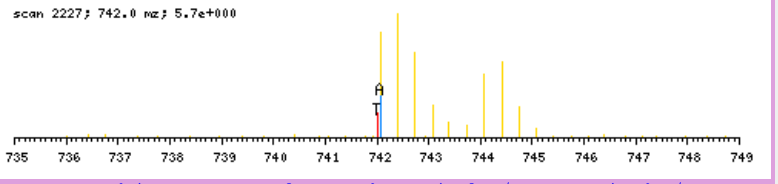
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QPSPSQSSDSQVHSGVQVEGR, MH+ 2224.0594, m/z 742.0247
L OS G33 P160811 220811-s1.02231.02231.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



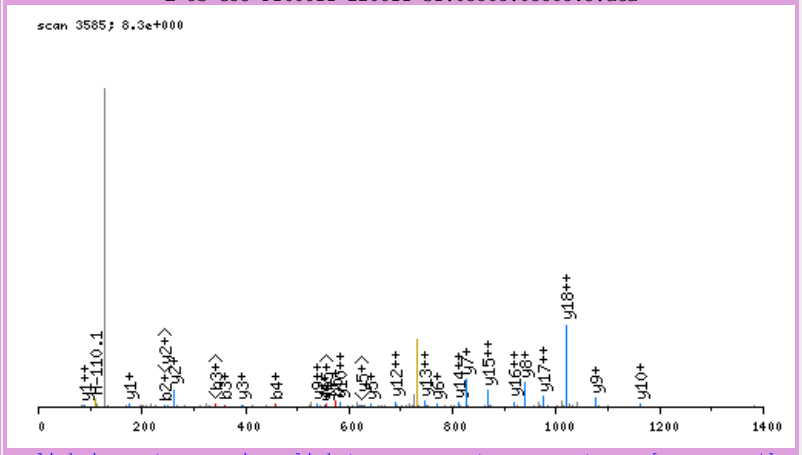
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	21		
254.1504	2	P	20	2067.9695	**1034.4887**
341.1825	3	S	19	1970.9168	**985.9623**
438.2352	4	P	18	1883.8848	**942.4463**
525.2673	5	S	17	1786.8320	**893.9199**
653.3258	6	Q	16	1699.8000	850.4039
740.3579	7	S	15	1571.7414	**786.3746**
827.3899	8	S	14	1484.7094	**742.8586**
942.4168	9	D	13	1397.6773	699.3426
1029.4489	10	S	12	**1282.6504**	**641.8291**
1157.5074	11	Q	11	1195.6184	598.3131
1256.5759	12	V	10	**1067.5598**	**534.2838**
1393.6348	13	H	9	**968.4914**	**484.7496**
1480.6668	14	S	8	**831.4325**	416.2201
1537.6883	15	G	7	**744.4004**	372.7041
1636.7567	16	V	6	687.3790	344.1934
1764.8153	17	Q	5	**588.3105**	**294.6592**
1863.8837	18	V	4	**460.2520**	230.6299
1992.9263	19	E	3	**361.1836**	181.0957
2049.9477	20	G	2	**232.1410**	116.5744
	21	R	1	175.1195	88.0637

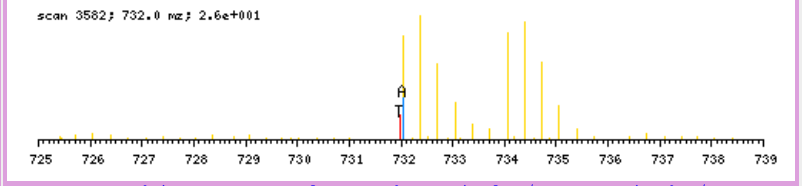
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QSNVDELGCSHLGQSYESR, MH+ 2193.9834, m/z 731.9993
L OS G33 P160811 220811-s1.03585.03585.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



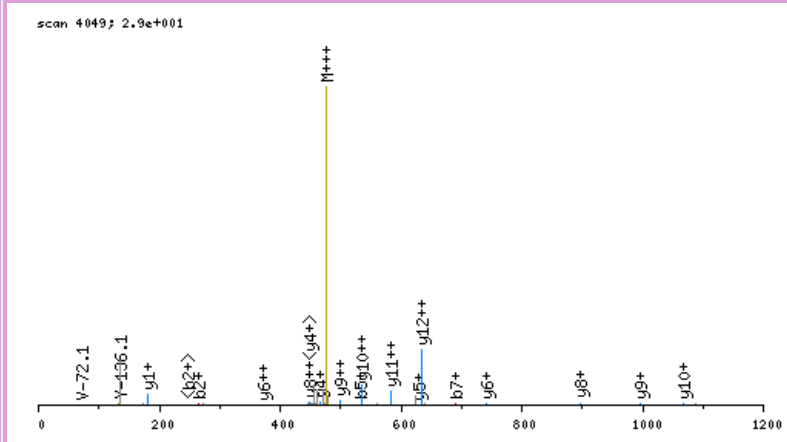
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	19		
244.1297	2	S	18	2037.8936	**1019.4507**
358.1726	3	N	17	1950.8615	**975.9347**
457.2410	4	V	16	1836.8186	**918.9132**
572.2680	5	D	15	1737.7502	**869.3790**
701.3106	6	E	14	1622.7232	**811.8655**
814.3946	7	L	13	1493.6807	**747.3442**
871.4161	8	G	12	1380.5966	**690.8022**
1031.4467	9	C	11	1323.5751	662.2915
1118.4787	10	S	10	**1163.5445**	**582.2762**
1255.5377	11	H	9	**1076.5125**	**538.7602**
1368.6217	12	L	8	**939.4536**	470.2307
1425.6432	13	G	7	**826.3695**	413.6887
1553.7018	14	Q	6	**769.3481**	385.1779
1640.7338	15	S	5	**641.2895**	321.1487
1803.7971	16	Y	4	**554.2575**	277.6326
1932.8397	17	E	3	**391.1941**	196.1010
2019.8717	18	S	2	**262.1515**	131.5797
	19	R	1	**175.1195**	**88.0637**

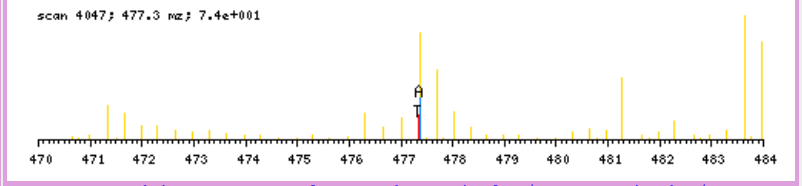
N-term:+29.04 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QTVAVGVIKAVDK, MH+ 1429.9843, m/z 477.3329
H OS G33 P160811 220811-s1.04049.04049.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



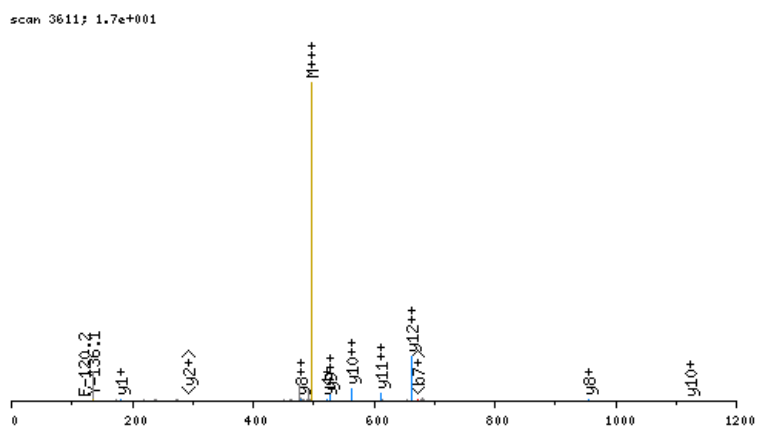
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	13		
264.1772	2	T	12	1267.8626	**634.4352**
363.2456	3	V	11	1166.8149	**583.9114**
434.2827	4	A	10	**1067.7465**	**534.3772**
533.3511	5	V	9	**996.7094**	**498.8586**
590.3726	6	G	8	**897.6410**	**449.3244**
689.4410	7	V	7	840.6195	420.8137
802.5250	8	I	6	**741.5511**	**371.2795**
964.6831	9	K	5	**628.4671**	314.7374
1035.7203	10	A	4	**466.3090**	233.6584
1134.7887	11	V	3	395.2718	198.1398
1249.8156	12	D	2	296.2034	148.6056
	13	K	1	**181.1765**	91.0922

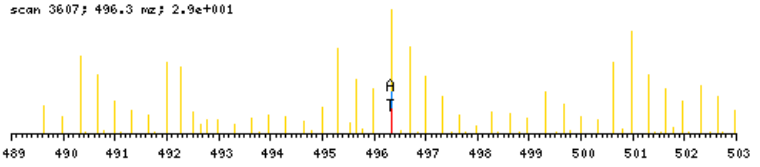
N-term:+35.07 K(9):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QTVAVGVIKNVEK, MH+ 1487.0057, m/z 496.3401
H OS G33 P160811 220811-s1.03611.03611.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



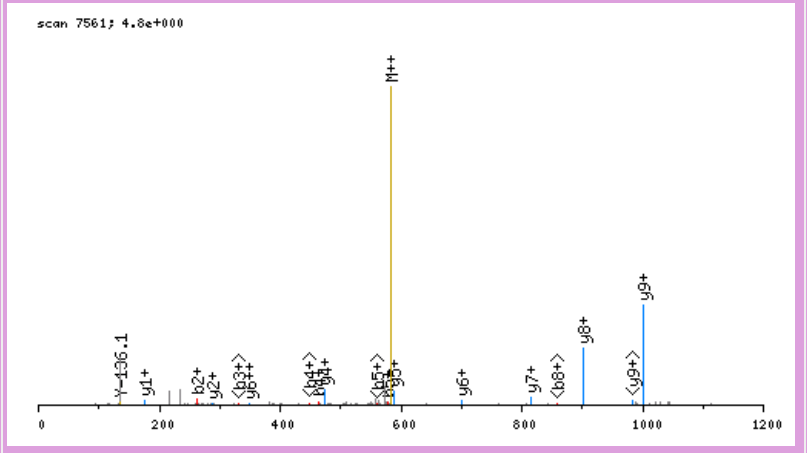
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	13		
264.1772	2	T	12	1324.8841	**662.9460**
363.2456	3	V	11	1223.8364	**612.4221**
434.2827	4	A	10	**1124.7680**	**562.8879**
533.3511	5	V	9	1053.7309	**527.3694**
590.3726	6	G	8	**954.6625**	**477.8351**
689.4410	7	V	7	897.6410	449.3244
802.5250	8	I	6	798.5726	399.7902
964.6831	9	K	5	685.4885	343.2482
1078.7261	10	N	4	**523.3304**	262.1691
1177.7945	11	V	3	409.2875	205.1477
1306.8371	12	E	2	310.2191	155.6135
	13	K	1	**181.1765**	91.0922

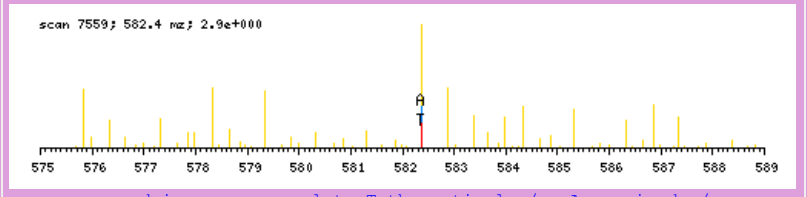
N-term:+35.07 K(9):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

QVSDLISVLR, MH+ 1163.7212, m/z 582.3642
H_OS_G31_P160811_220811-s1.07561.07561.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



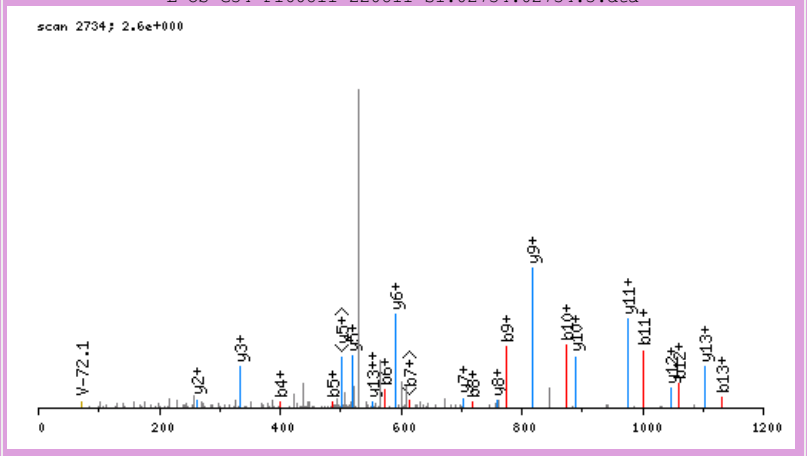
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	10		
262.1979	2	V	9	1001.5995	501.3037
349.2299	3	S	8	902.5311	451.7695
464.2569	4	D	7	815.4991	408.2535
577.3409	5	L	6	700.4721	350.7400
690.4250	6	I	5	587.3881	294.1979
777.4570	7	S	4	474.3040	237.6559
876.5254	8	V	3	387.2720	194.1399
989.6095	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

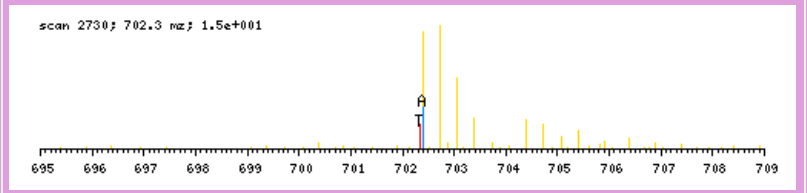
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RAGSSSGSGVQGASAGGLAADASR, MH+ 2105.0335, m/z 702.3494
L OS G34 P160811 220811-s1.02734.02734.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



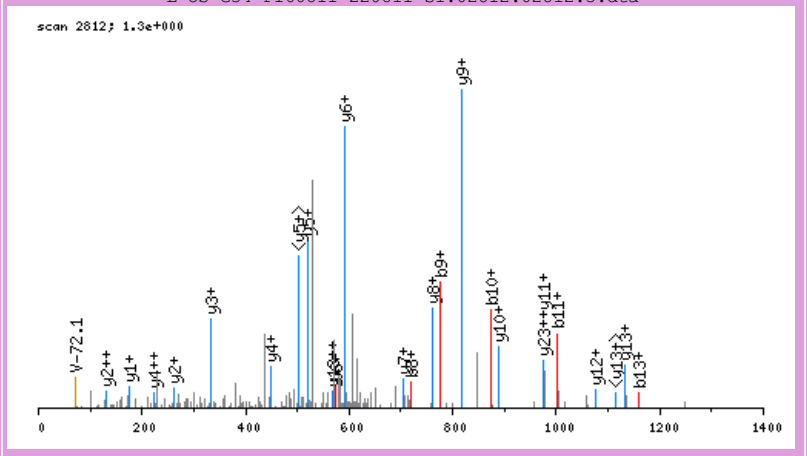
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	24		
256.1773	2	A	23	1920.9011	960.9545
313.1988	3	G	22	1849.8640	925.4359
400.2308	4	S	21	1792.8426	896.9252
487.2628	5	S	20	1705.8105	853.4092
574.2949	6	S	19	1618.7785	809.8932
631.3163	7	G	18	1531.7465	766.3771
718.3484	8	S	17	1474.7250	737.8664
775.3698	9	G	16	1387.6930	694.3504
874.4382	10	V	15	1330.6715	665.8397
1002.4968	11	Q	14	1231.6031	616.3055
1059.5183	12	G	13	**1103.5445**	**552.2762**
1130.5554	13	A	12	**1046.5231**	523.7654
1217.5874	14	S	11	**975.4859**	488.2469
1288.6245	15	A	10	**888.4539**	444.7309
1345.6460	16	G	9	**817.4168**	409.2123
1402.6675	17	G	8	**760.3953**	380.7016
1515.7515	18	L	7	**703.3739**	352.1909
1586.7886	19	A	6	**590.2898**	295.6488
1657.8258	20	A	5	**519.2527**	260.1303
1772.8527	21	D	4	448.2156	224.6117
1843.8898	22	A	3	**333.1886**	167.0982
1930.9218	23	S	2	**262.1515**	131.5797
	24	R	1	175.1195	88.0637

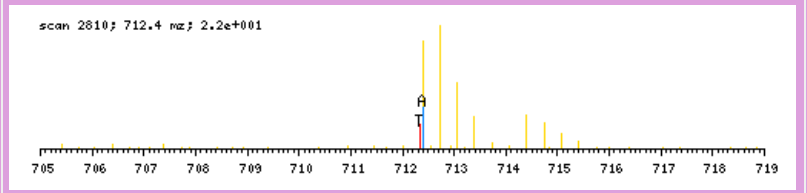
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RAGSSSGSGVQGTSAGGLAADASR, MH+ 2135.0441, m/z 712.3529
L OS G34 P160811 220811-s1.02812.02812.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



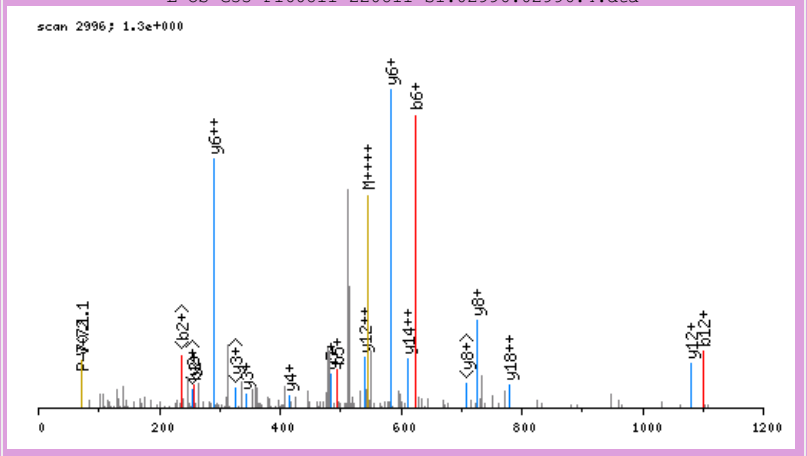
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	24		
256.1773	2	A	23	1950.9117	**975.9598**
313.1988	3	G	22	1879.8746	940.4412
400.2308	4	S	21	1822.8531	911.9305
487.2628	5	S	20	1735.8211	868.4145
574.2949	6	S	19	1648.7891	824.8984
631.3163	7	G	18	1561.7570	781.3824
718.3484	8	S	17	1504.7356	752.8717
775.3698	9	G	16	1417.7035	709.3557
874.4382	10	V	15	1360.6821	680.8450
1002.4968	11	Q	14	1261.6137	631.3107
1059.5183	12	G	13	**1133.5551**	**567.2815**
1160.5660	13	T	12	**1076.5336**	538.7707
1247.5980	14	S	11	**975.4859**	488.2469
1318.6351	15	A	10	**888.4539**	444.7309
1375.6566	16	G	9	**817.4168**	409.2123
1432.6780	17	G	8	**760.3953**	380.7016
1545.7621	18	L	7	**703.3739**	352.1909
1616.7992	19	A	6	**590.2898**	295.6488
1687.8363	20	A	5	**519.2527**	260.1303
1802.8633	21	D	4	**448.2156**	**224.6117**
1873.9004	22	A	3	**333.1886**	167.0982
1960.9324	23	S	2	**262.1515**	**131.5797**
	24	R	1	**175.1195**	88.0637

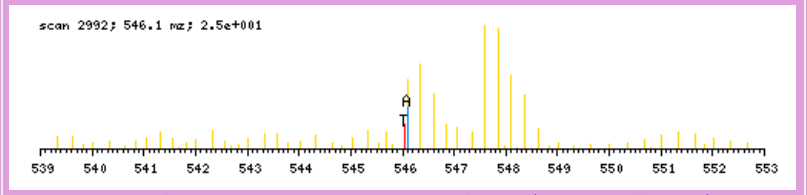
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RAPAAQPPAAAAPSAVGSPAAAPR, MH+ 2181.1892, m/z 546.0528
L OS G33 P160811 220811-s1.02996.02996.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



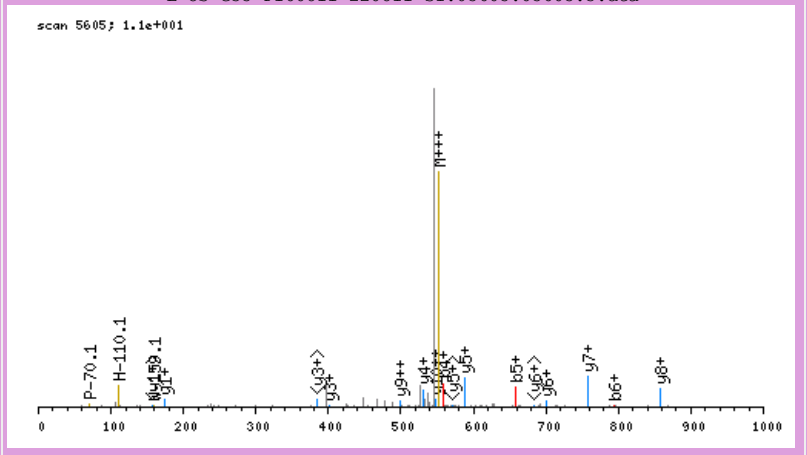
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	24		
256.1773	2	A	23	1997.0568	999.0323
353.2301	3	P	22	1926.0197	963.5138
424.2672	4	A	21	1828.9670	914.9874
495.3043	5	A	20	1757.9299	879.4688
623.3629	6	Q	19	1686.8927	843.9503
720.4157	7	P	18	1558.8342	779.9210
817.4684	8	P	17	1461.7814	731.3946
888.5055	9	A	16	1364.7286	682.8682
959.5426	10	A	15	1293.6915	647.3497
1030.5798	11	A	14	1222.6544	611.8311
1101.6169	12	A	13	1151.6173	576.3126
1198.6696	13	P	12	1080.5802	540.7940
1285.7017	14	S	11	983.5274	492.2676
1356.7388	15	A	10	896.4954	448.7516
1455.8072	16	V	9	825.4583	413.2331
1512.8287	17	G	8	726.3899	363.6988
1599.8607	18	S	7	669.3684	335.1881
1696.9135	19	P	6	582.3364	291.6721
1767.9506	20	A	5	485.2836	243.1457
1838.9877	21	A	4	414.2465	207.6272
1910.0248	22	A	3	343.2094	172.1086
2007.0776	23	P	2	272.1723	136.5900
	24	R	1	175.1195	88.0637

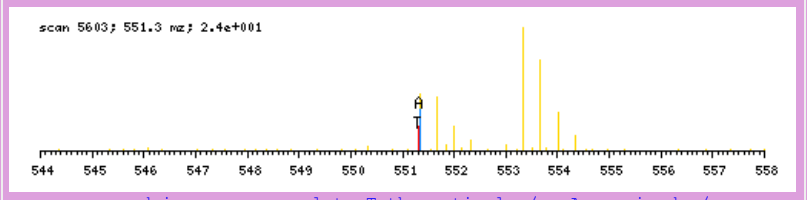
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RDEEVHTGLGELLR, MH+ 1651.8767, m/z 551.2971
L OS G35 P160811 220811-s1.05605.05605.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



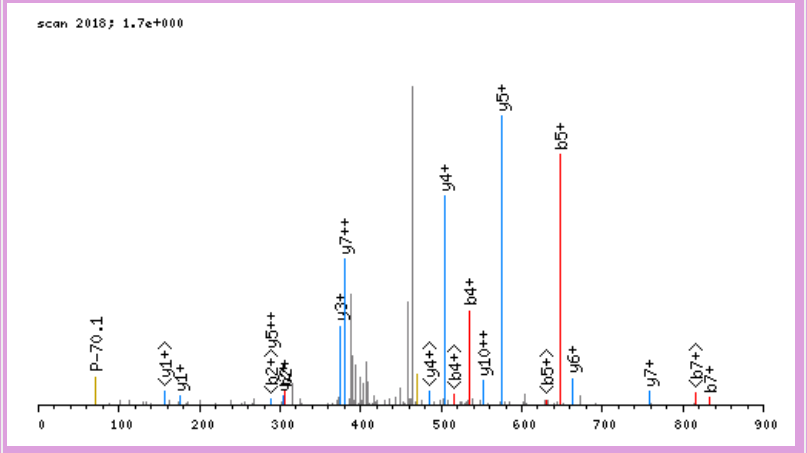
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
300.1672	2	D	13	1467.7443	734.3761
429.2097	3	E	12	1352.7174	676.8626
558.2523	4	E	11	1223.6748	612.3413
657.3208	5	V	10	1094.6322	**547.8200**
794.3797	6	H	9	995.5638	**498.2858**
895.4273	7	T	8	**858.5049**	429.7564
952.4488	8	G	7	**757.4572**	379.2325
1065.5329	9	L	6	**700.4357**	350.7218
1122.5543	10	G	5	**587.3517**	294.1798
1251.5969	11	E	4	**530.3302**	265.6690
1364.6810	12	L	3	**401.2876**	201.1477
1477.7651	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

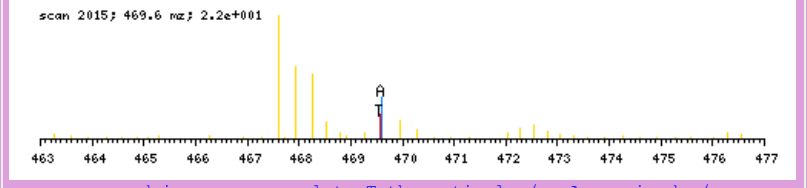
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RDIDNPSAEAER, MH+ 1406.7088, m/z 469.5744
H OS G34 P160811 220811-s1.02018.02018.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



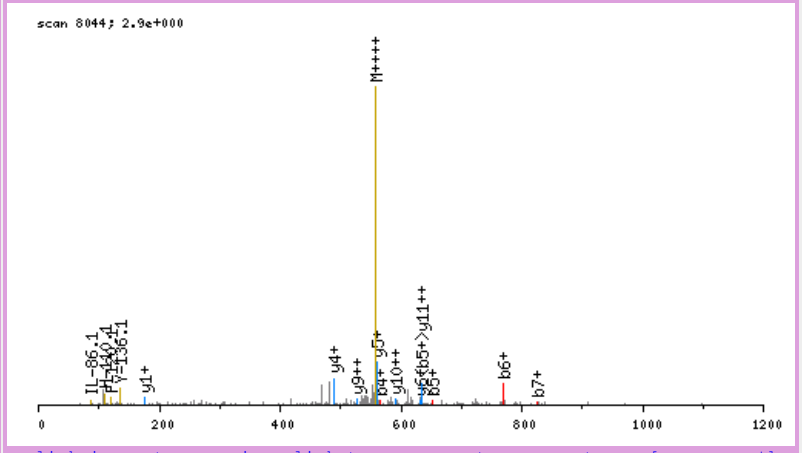
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	12		
306.1990	2	D	11	1216.5446	608.7762
419.2830	3	I	10	1101.5176	**551.2627**
534.3100	4	D	9	988.4336	494.7207
648.3529	5	N	8	873.4066	437.2072
745.4057	6	P	7	**759.3637**	**380.1858**
832.4377	7	S	6	**662.3109**	331.6594
903.4748	8	A	5	**575.2789**	**288.1434**
1032.5174	9	E	4	**504.2418**	252.6248
1103.5545	10	A	3	**375.1992**	188.1035
1232.5971	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

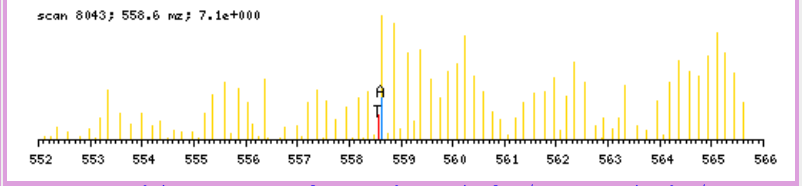
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RDLFSDGHSEFLKAASNLR, MH+ 2231.2209, m/z 558.5607
H OS G35 P160811 220811-s1.08044.08044.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



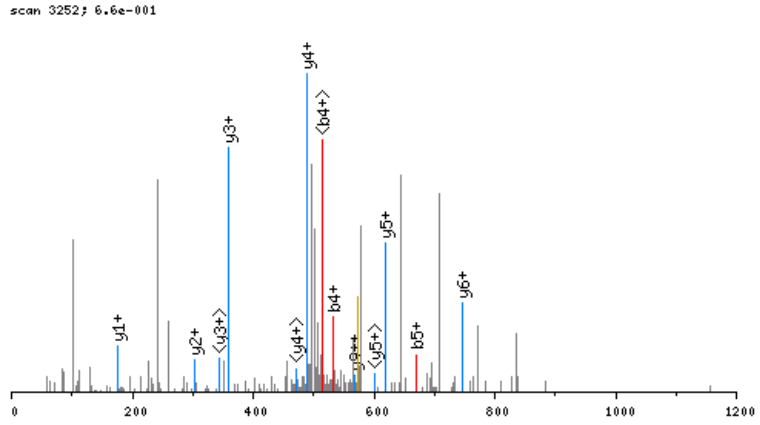
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	19		
306.1990	2	D	18	2041.0567	1021.0323
419.2830	3	L	17	1926.0298	963.5188
566.3514	4	F	16	1812.9457	906.9768
653.3835	5	S	15	1665.8773	833.4426
768.4104	6	D	14	1578.8453	789.9265
825.4319	7	G	13	1463.8183	732.4131
962.4908	8	H	12	1406.7969	703.9023
1049.5228	9	S	11	1269.7379	**635.3729**
1178.5654	10	E	10	1182.7059	**591.8569**
1325.6338	11	F	9	1053.6633	**527.3356**
1438.7179	12	L	8	906.5949	453.8014
1600.8760	13	K	7	793.5108	397.2593
1671.9131	14	A	6	**631.3527**	316.1803
1742.9502	15	A	5	**560.3156**	280.6617
1829.9822	16	S	4	**489.2785**	245.1432
1944.0252	17	N	3	402.2465	201.6272
2057.1092	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

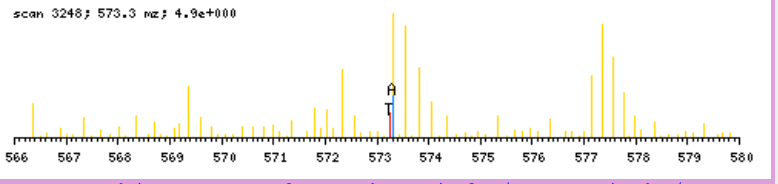
N-term:+35.07 K(13):+162.16

RDLIHDQDEEEEEEEGQR, MH+ 2290.0283, m/z 573.2625
H OS G35 P160811 220811-s1.03252.03252.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO



click image to zoom in; click top corners to zoom out [precursor±]



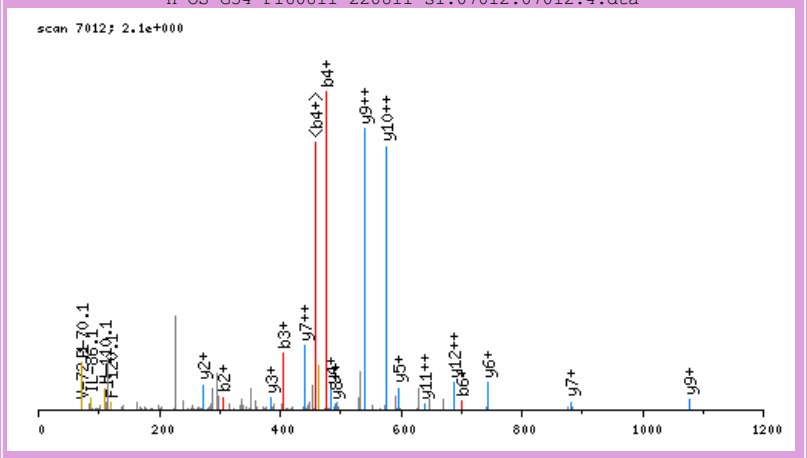
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	18		
306.1990	2	D	17	2099.8641	1050.4360
419.2830	3	L	16	1984.8372	992.9225
532.3671	4	I	15	1871.7531	936.3805
669.4260	5	H	14	1758.6691	879.8384
784.4529	6	D	13	1621.6102	811.3090
912.5115	7	Q	12	1506.5832	753.7955
1027.5385	8	D	11	1378.5246	689.7662
1156.5811	9	E	10	1263.4977	632.2528
1285.6236	10	E	9	1134.4551	**567.7315**
1414.6662	11	E	8	1005.4125	503.2102
1543.7088	12	E	7	876.3699	438.6889
1672.7514	13	E	6	**747.3273**	374.1676
1801.7940	14	E	5	**618.2847**	309.6463
1930.8366	15	E	4	**489.2421**	245.1250
1987.8581	16	G	3	**360.1995**	180.6037
2115.9167	17	Q	2	**303.1781**	152.0930
	18	R	1	**175.1195**	88.0637

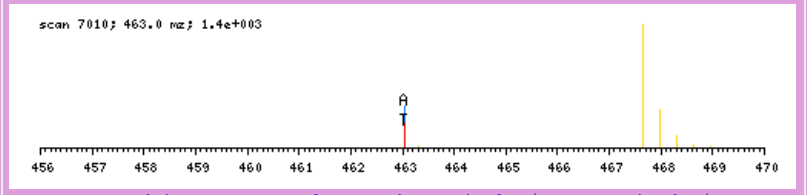
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RDVAPQAPVHFLVIPR, MH+ 1849.1024, m/z 463.0311
H OS G34 P160811 220811-s1.07012.07012.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



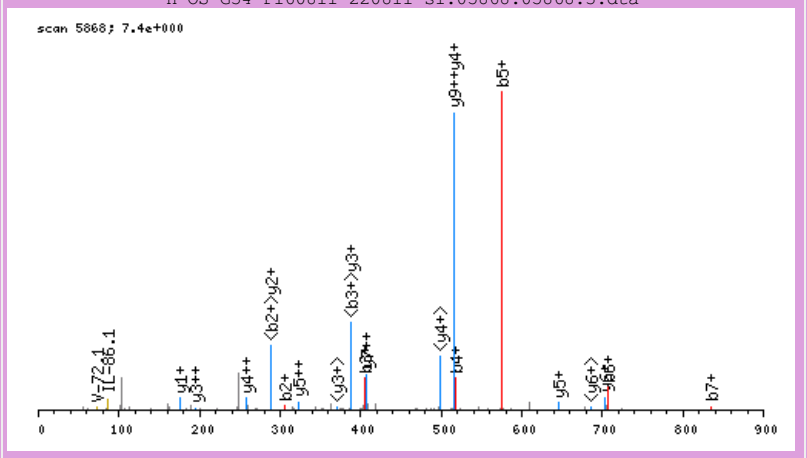
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	16		
306.1990	2	D	15	1658.9382	829.9730
405.2674	3	V	14	1543.9113	772.4596
476.3045	4	A	13	1444.8429	722.9254
573.3572	5	P	12	1373.8058	**687.4068**
701.4158	6	Q	11	1276.7530	**638.8804**
772.4529	7	A	10	1148.6944	**574.8511**
869.5057	8	P	9	**1077.6573**	**539.3326**
968.5741	9	V	8	980.6045	**490.8062**
1105.6330	10	H	7	**881.5361**	**441.2720**
1252.7014	11	F	6	**744.4772**	372.7425
1365.7855	12	L	5	**597.4088**	299.2083
1464.8539	13	V	4	**484.3247**	242.6663
1577.9380	14	I	3	**385.2563**	193.1321
1674.9907	15	P	2	**272.1723**	136.5900
	16	R	1	175.1195	88.0637

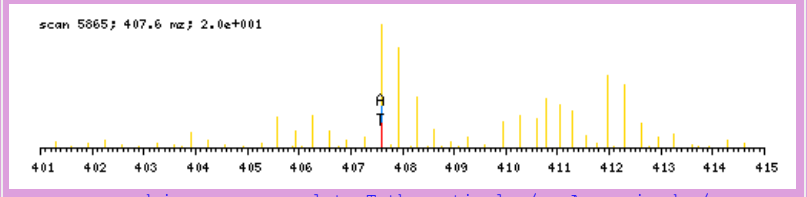
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RDVLGMQVLR, MH+ 1220.7361, m/z 407.5836
H_OS_G34_P160811_220811-s1.05868.05868.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



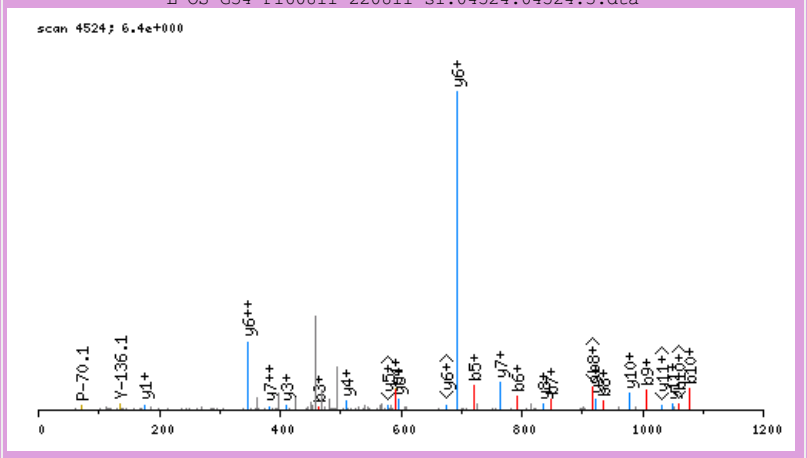
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	10		
306.1990	2	D	9	1030.5719	515.7899
405.2674	3	V	8	915.5450	458.2764
518.3514	4	L	7	816.4766	408.7422
575.3729	5	G	6	703.3925	352.2002
706.4134	6	M	5	646.3710	323.6894
834.4720	7	Q	4	515.3306	258.1692
933.5404	8	V	3	387.2720	194.1399
1046.6244	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

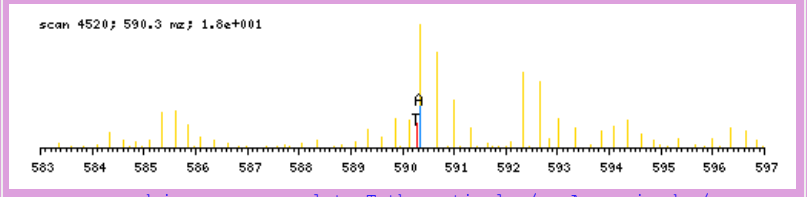
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RDYEQAGSAAPSVFSR, MH+ 1768.8618, m/z 590.2921
L OS G34 P160811 220811-s1.04524.04524.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



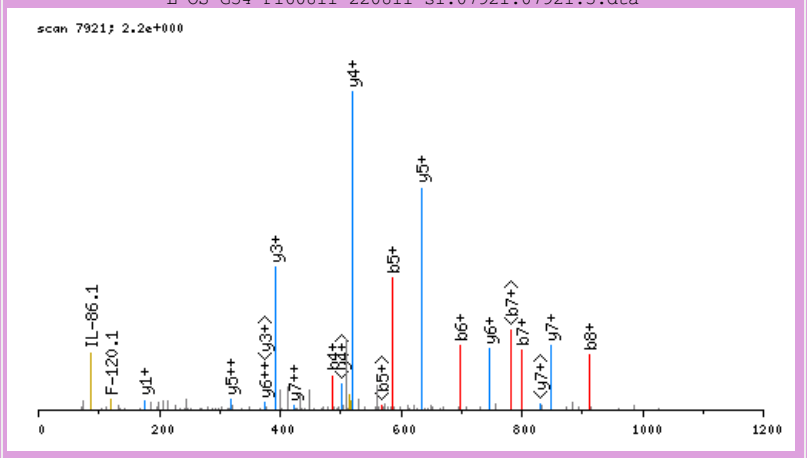
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
300.1672	2	D	15	1584.7294	792.8686
463.2305	3	Y	14	1469.7025	735.3552
592.2731	4	E	13	1306.6392	653.8235
720.3317	5	Q	12	1177.5966	589.3022
791.3688	6	A	11	1049.5380	525.2729
848.3902	7	G	10	978.5009	489.7543
935.4223	8	S	9	921.4794	461.2436
1006.4594	9	A	8	834.4474	417.7276
1077.4965	10	A	7	763.4103	382.2090
1174.5493	11	P	6	692.3731	346.6905
1261.5813	12	S	5	595.3204	298.1641
1360.6497	13	V	4	508.2884	254.6481
1507.7181	14	F	3	409.2199	205.1139
1594.7501	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

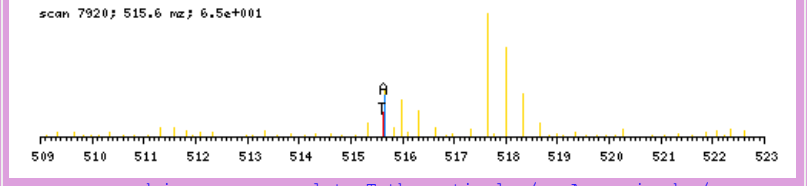
N-term:+29.04

REGDVLTLLESER, MH+ 1544.8284, m/z 515.6143
L OS G34 P160811 220811-s1.07921.07921.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



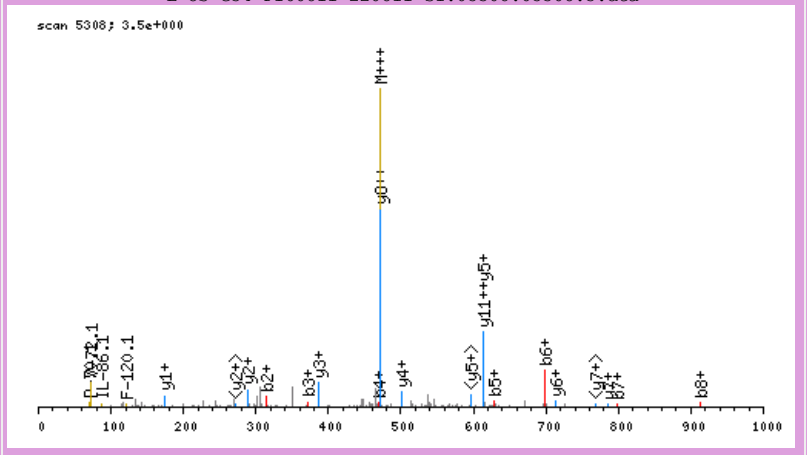
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
314.1828	2	E	12	1360.6960	680.8519
371.2043	3	G	11	1231.6534	616.3306
486.2312	4	D	10	1174.6319	587.8199
585.2996	5	V	9	1059.6050	530.3064
698.3837	6	L	8	960.5366	480.7722
799.4314	7	T	7	**847.4525**	**424.2302**
912.5154	8	L	6	**746.4048**	**373.7063**
1025.5995	9	L	5	**633.3208**	**317.1643**
1154.6421	10	E	4	**520.2367**	260.6223
1241.6741	11	S	3	**391.1941**	196.1010
1370.7167	12	E	2	304.1621	152.5850
	13	R	1	**175.1195**	88.0637

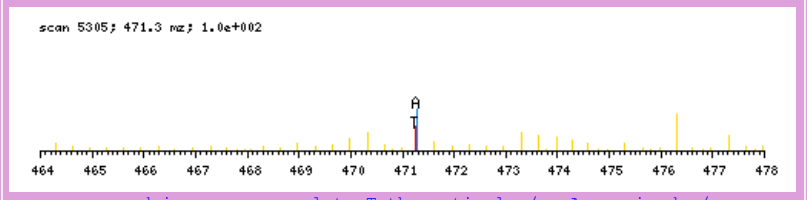
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

REGPCAVNLVLR, MH+ 1411.7843, m/z 471.2663
L OS G34 P160811 220811-s1.05308.05308.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



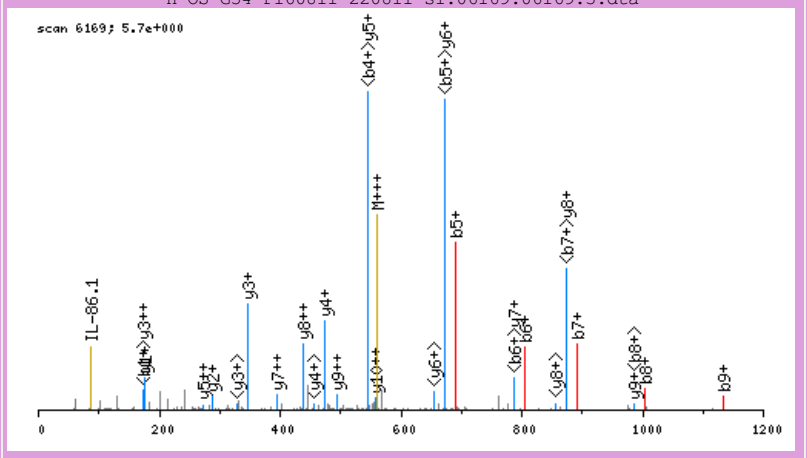
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
314.1828	2	E	11	1227.6519	**614.3299**
371.2043	3	G	10	1098.6093	549.8086
468.2570	4	P	9	1041.5879	521.2978
628.2876	5	C	8	944.5351	**472.7715**
699.3247	6	A	7	**784.5045**	392.7562
798.3932	7	V	6	**713.4674**	357.2376
912.4361	8	N	5	**614.3990**	307.7034
1025.5202	9	L	4	**500.3560**	250.6819
1124.5886	10	V	3	**387.2720**	194.1399
1237.6726	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

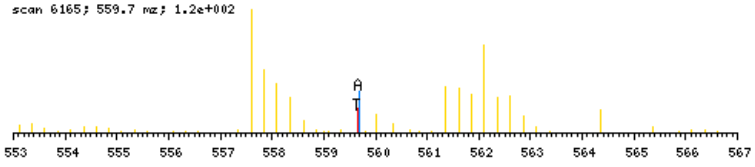
N-term:+29.04 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RELEELSLEAQGIR, MH+ 1676.9395, m/z 559.6514
H OS G34 P160811 220811-s1.06169.06169.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



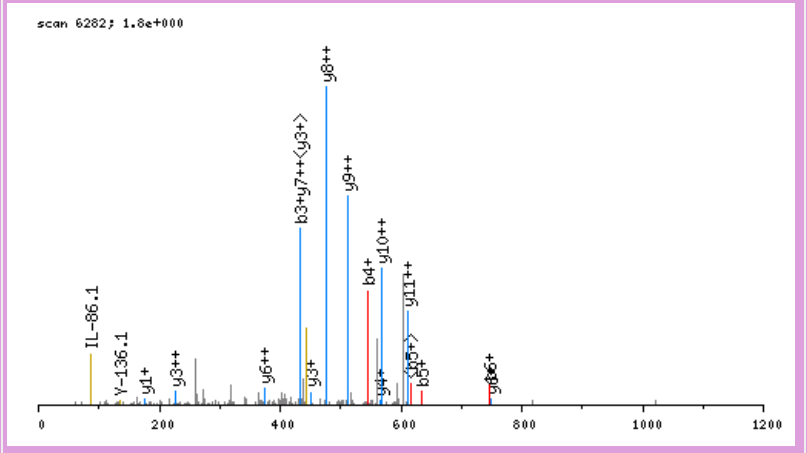
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	14		
320.2146	2	E	13	1486.7753	743.8916
433.2987	3	L	12	1357.7327	679.3703
562.3413	4	E	11	1244.6487	622.8282
691.3839	5	E	10	1115.6061	**558.3069**
804.4679	6	L	9	**986.5635**	**493.7856**
891.4999	7	S	8	**873.4794**	**437.2436**
1004.5840	8	L	7	**786.4474**	**393.7276**
1133.6266	9	E	6	**673.3633**	337.1856
1204.6637	10	A	5	**544.3207**	**272.6643**
1332.7223	11	Q	4	**473.2836**	237.1457
1389.7438	12	G	3	**345.2250**	**173.1164**
1502.8278	13	I	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

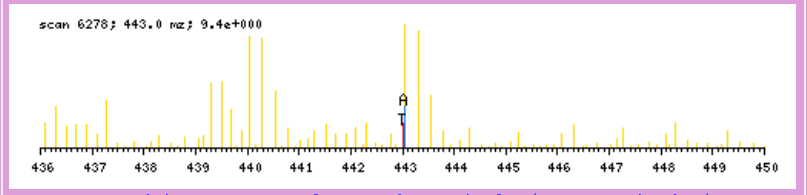
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RELISNASDALDKIR, MH+ 1769.0557, m/z 443.0194
H OS G35 P160811 220811-s1.06282.06282.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

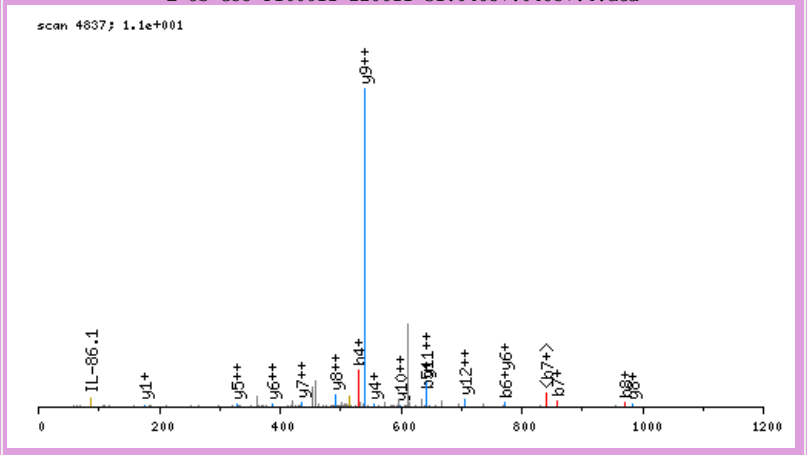


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

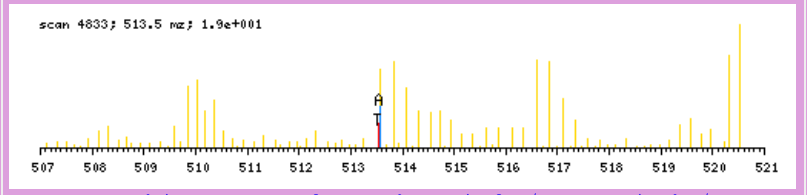
b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	15		
320.2146	2	E	14	1578.8915	789.9497
433.2987	3	L	13	1449.8490	725.4284
546.3827	4	I	12	1336.7649	668.8864
633.4148	5	S	11	1223.6808	**612.3443**
747.4577	6	N	10	1136.6488	**568.8283**
818.4948	7	A	9	1022.6059	**511.8068**
905.5268	8	S	8	951.5688	**476.2883**
1020.5538	9	D	7	864.5367	**432.7723**
1091.5909	10	A	6	**749.5098**	**375.2588**
1204.6750	11	L	5	678.4727	339.7402
1319.7019	12	D	4	**565.3886**	283.1982
1481.8600	13	K	3	**450.3617**	**225.6847**
1594.9441	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

N-term:+35.07 K(13):+162.16

RETNLESLPLVDTHSKR, MH+ 2051.1249, m/z 513.5367
L OS G35 P160811 220811-s1.04837.04837.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

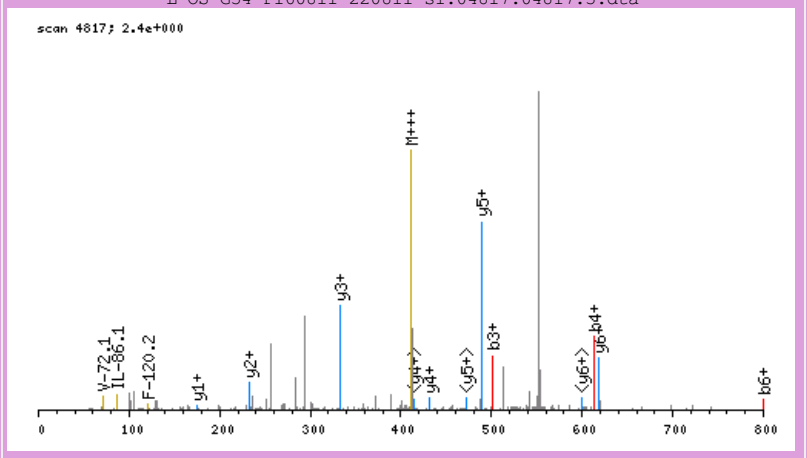
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
314.1828	2	E	16	1866.9926	934.0002
415.2305	3	T	15	1737.9500	869.4789
529.2734	4	N	14	1636.9023	818.9551
642.3575	5	L	13	1522.8594	761.9336
771.4001	6	E	12	1409.7753	**705.3916**
858.4321	7	S	11	1280.7327	**640.8703**
971.5162	8	L	10	1193.7007	**597.3542**
1068.5689	9	P	9	1080.6166	**540.8122**
1181.6530	10	L	8	**983.5638**	**492.2858**
1280.7214	11	V	7	870.4798	**435.7438**
1395.7483	12	D	6	**771.4114**	**386.2096**
1496.7960	13	T	5	656.3844	**328.6961**
1633.8549	14	H	4	**555.3367**	278.1723
1720.8870	15	S	3	418.2778	209.6428
1877.0133	16	K	2	331.2458	166.1268
	17	R	1	**175.1195**	88.0637

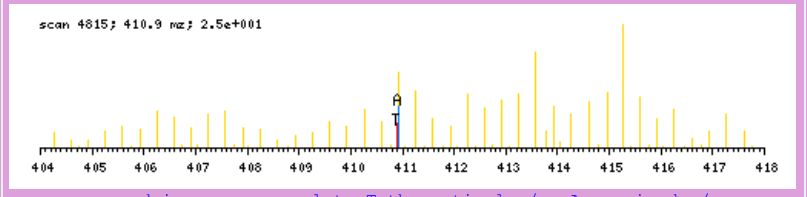
N-term:+29.04 K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

REWIEGVTGR, MH+ 1230.6595, m/z 410.8913
L OS G34 P160811 220811-s1.04817.04817.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



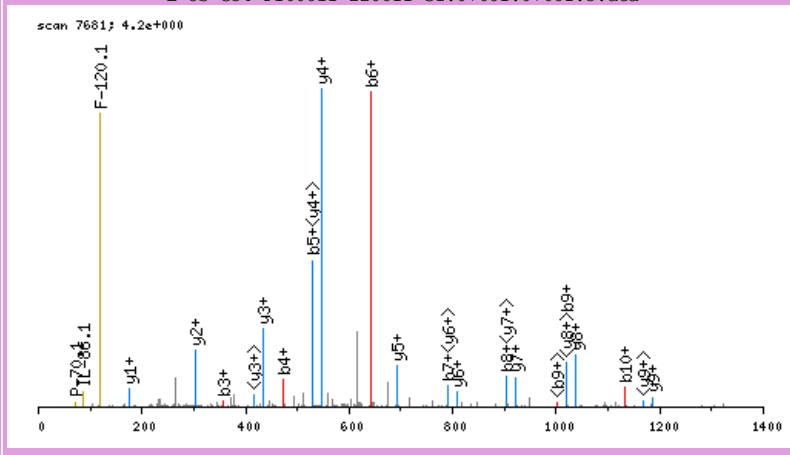
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	10		
314.1828	2	E	9	1046.5271	523.7675
500.2621	3	W	8	917.4845	459.2462
613.3462	4	I	7	731.4052	366.2065
742.3888	5	E	6	**618.3211**	309.6645
799.4102	6	G	5	**489.2785**	245.1432
898.4787	7	V	4	**432.2571**	216.6324
999.5263	8	T	3	**333.1886**	167.0982
1056.5478	9	G	2	**232.1410**	116.5744
	10	R	1	**175.1195**	88.0637

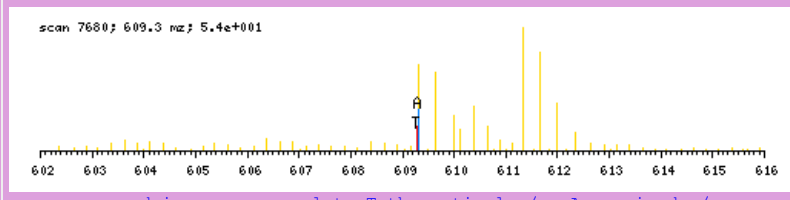
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RGDDGIFDDNFIEER, MH+ 1825.8357, m/z 609.2834
L OS G34 P160811 220811-s1.07681.07681.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



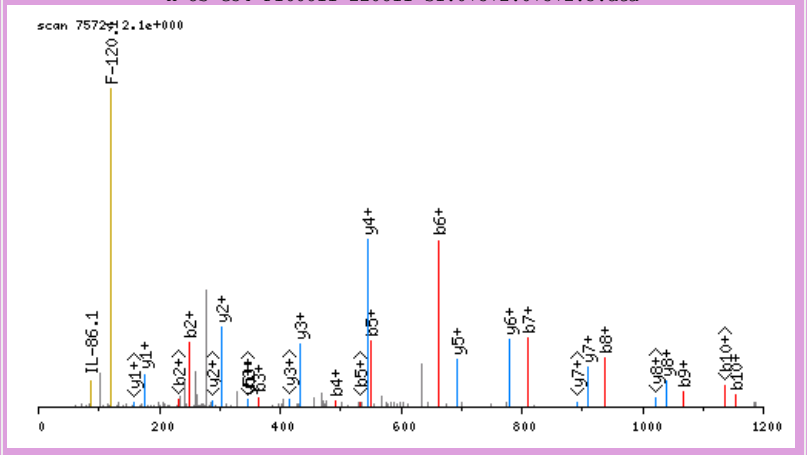
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
242.1617	2	G	14	1641.7033	821.3555
357.1886	3	D	13	1584.6818	792.8448
472.2156	4	D	12	1469.6549	735.3313
529.2370	5	G	11	1354.6279	677.8179
642.3211	6	I	10	1297.6065	649.3071
789.3895	7	F	9	1184.5224	592.7651
904.4164	8	D	8	1037.4540	519.2309
1019.4434	9	D	7	922.4270	461.7174
1133.4863	10	N	6	807.4001	404.2040
1280.5547	11	F	5	693.3572	347.1825
1393.6388	12	I	4	546.2888	273.6483
1522.6814	13	E	3	433.2047	217.1063
1651.7240	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

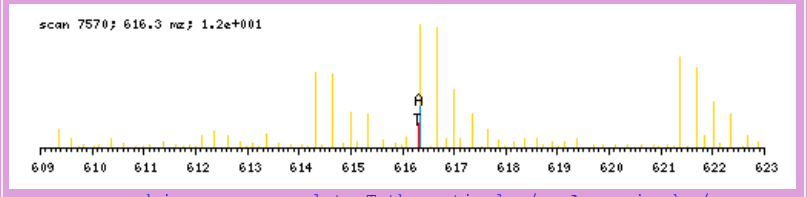
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RGDEGIFEESFIEER, MH+ 1846.9035, m/z 616.3060
H OS G34 P160811 220811-s1.07572.07572.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



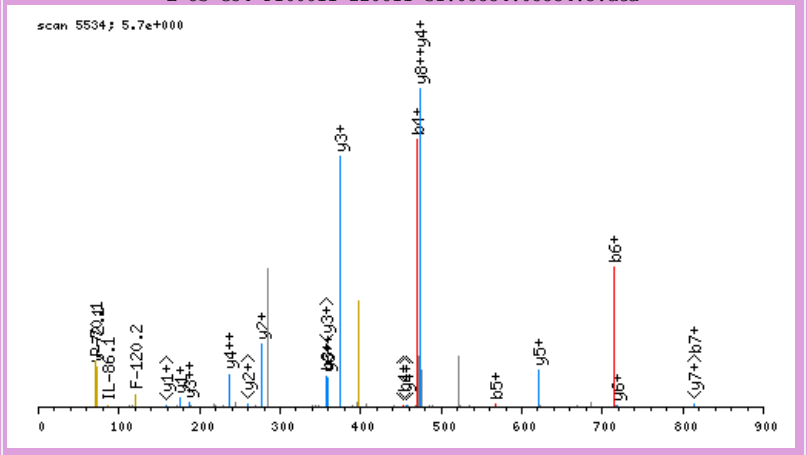
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	15		
248.1935	2	G	14	1656.7393	828.8736
363.2204	3	D	13	1599.7179	800.3628
492.2630	4	E	12	1484.6909	742.8494
549.2845	5	G	11	1355.6483	678.3281
662.3685	6	I	10	1298.6269	649.8173
809.4370	7	F	9	1185.5428	593.2753
938.4795	8	E	8	1038.4744	519.7411
1067.5221	9	E	7	909.4318	455.2198
1154.5542	10	S	6	780.3892	390.6985
1301.6226	11	F	5	693.3572	347.1825
1414.7066	12	I	4	546.2888	273.6483
1543.7492	13	E	3	433.2047	217.1063
1672.7918	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

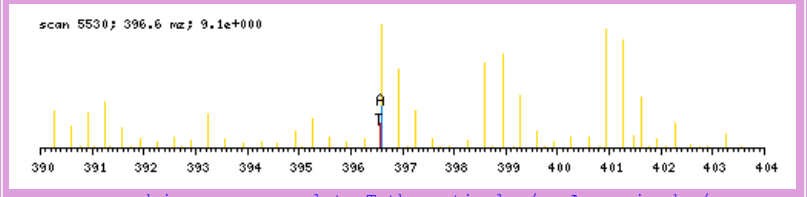
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RGDLPFVVTR, MH+ 1187.6900, m/z 396.5682
L OS G34 P160811 220811-s1.05534.05534.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



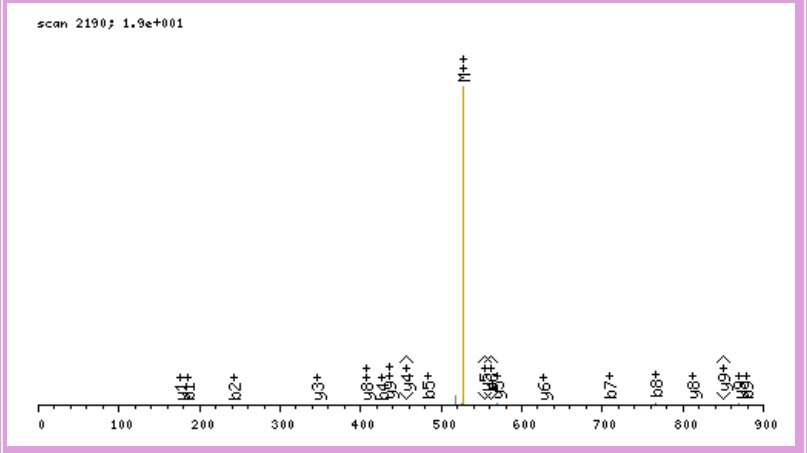
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	10		
242.1617	2	G	9	1003.5577	502.2827
357.1886	3	D	8	946.5362	**473.7720**
470.2727	4	L	7	831.5092	416.2585
567.3254	5	P	6	**718.4252**	**359.7165**
714.3939	6	F	5	**621.3724**	311.1901
813.4623	7	V	4	**474.3040**	**237.6559**
912.5307	8	V	3	**375.2356**	**188.1217**
1013.5784	9	T	2	**276.1672**	138.5875
	10	R	1	**175.1195**	88.0637

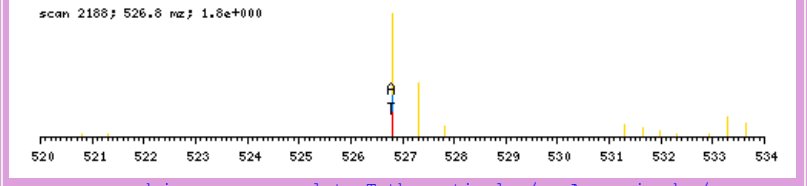
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RGPSGPQGIR, MH+ 1052.5965, m/z 526.8019
L OS G32 P160811 220811-s1.02190.02190.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



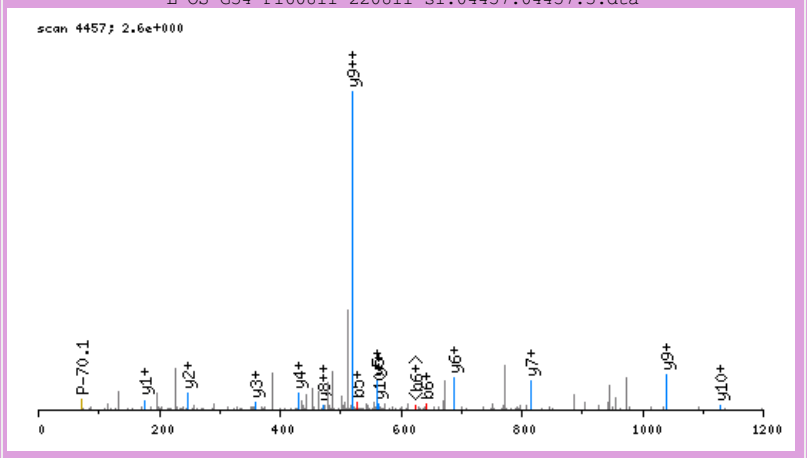
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	10		
242.1617	2	G	9	868.4641	434.7360
339.2144	3	P	8	811.4426	406.2252
426.2465	4	S	7	714.3899	357.6988
483.2679	5	G	6	627.3578	314.1828
580.3207	6	P	5	570.3364	285.6721
708.3793	7	Q	4	473.2836	237.1457
765.4007	8	G	3	345.2250	173.1164
878.4848	9	I	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

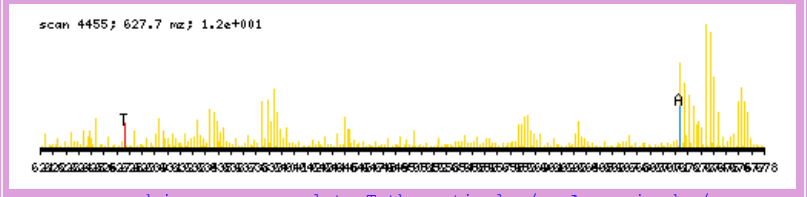
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RGQVGDLSPQQQEALAR, MH+ 1880.9942, m/z 627.6696
L OS G34 P160811 220811-s1.04457.04457.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



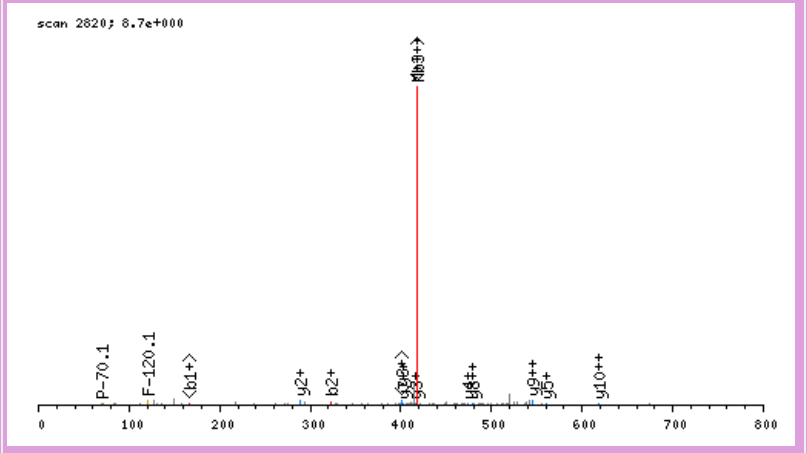
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
242.1617	2	G	16	1696.8618	848.9348
370.2203	3	Q	15	1639.8404	820.4241
469.2887	4	V	14	1511.7818	756.3948
526.3101	5	G	13	1412.7134	706.8606
641.3371	6	D	12	1355.6919	678.3499
754.4211	7	L	11	1240.6650	620.8364
841.4532	8	S	10	**1127.5809**	**564.2944**
938.5059	9	P	9	**1040.5489**	**520.7784**
1066.5645	10	Q	8	943.4961	**472.2520**
1194.6231	11	Q	7	**815.4375**	408.2227
1322.6817	12	Q	6	**687.3790**	344.1934
1451.7243	13	E	5	**559.3204**	280.1641
1522.7614	14	A	4	**430.2778**	215.6428
1635.8454	15	L	3	**359.2407**	180.1243
1706.8825	16	A	2	**246.1566**	123.5822
	17	R	1	**175.1195**	88.0637

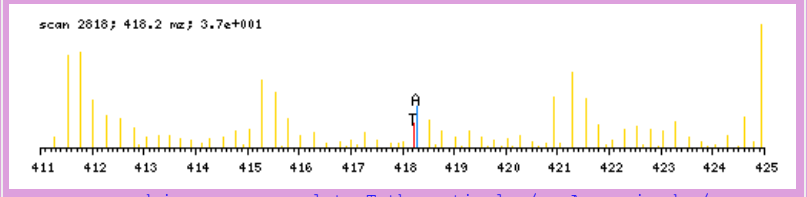
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RHLFEKELSGQNR, MH+ 1669.9138, m/z 418.2339
L OS G35 P160811 220811-s1.02820.02820.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



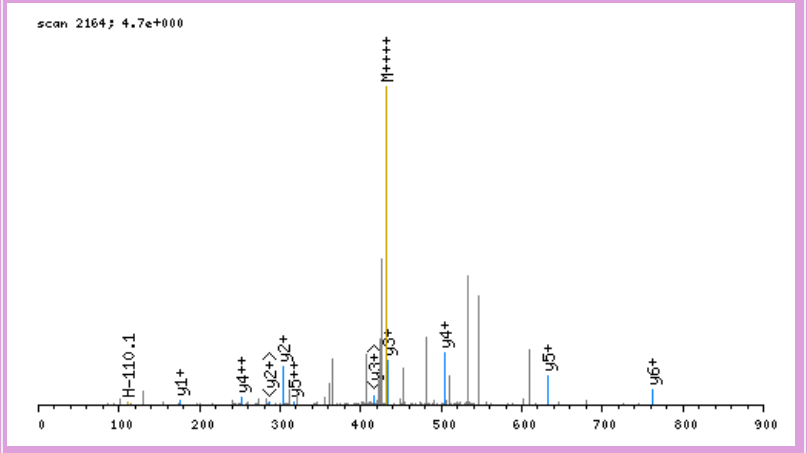
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
322.1991	2	H	12	1485.7814	743.3946
435.2832	3	L	11	1348.7225	674.8652
582.3516	4	F	10	1235.6385	**618.3231**
711.3942	5	E	9	1088.5700	**544.7889**
867.5205	6	K	8	959.5275	**480.2676**
996.5631	7	E	7	803.4012	**402.2045**
1109.6472	8	L	6	674.3586	337.6832
1196.6792	9	S	5	**561.2745**	281.1412
1253.7006	10	G	4	**474.2425**	237.6251
1381.7592	11	Q	3	**417.2210**	209.1144
1495.8021	12	N	2	**289.1624**	145.0851
	13	R	1	175.1195	88.0637

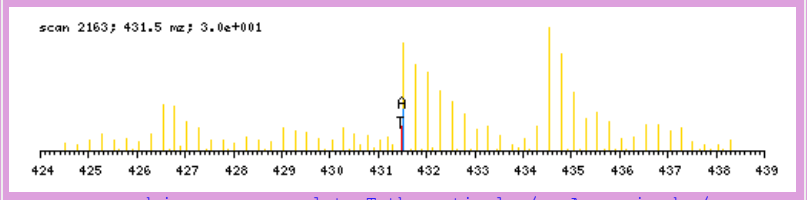
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RKIQHELEEAEER, MH+ 1722.9139, m/z 431.4839
L OS G35 P160811 220811-s1.02164.02164.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



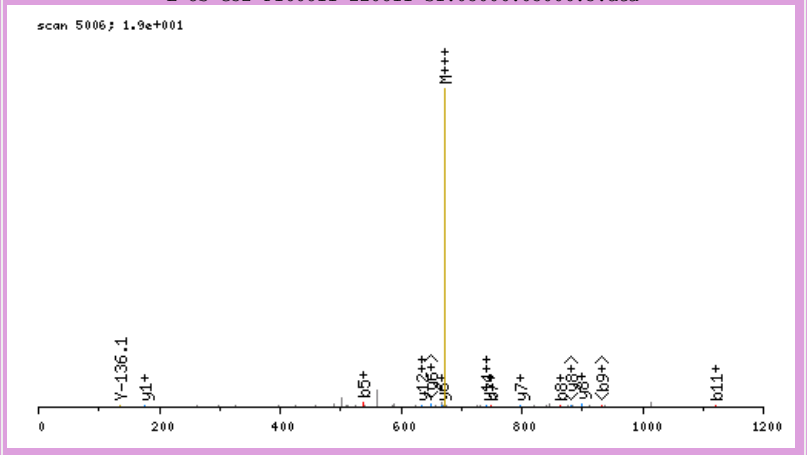
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
341.2665	2	K	12	1538.7815	769.8947
454.3506	3	I	11	1382.6552	691.8315
582.4092	4	Q	10	1269.5711	635.2895
719.4681	5	H	9	1141.5126	571.2602
848.5107	6	E	8	1004.4536	502.7307
961.5947	7	L	7	875.4111	438.2094
1090.6373	8	E	6	**762.3270**	381.6674
1219.6799	9	E	5	**633.2844**	**317.1461**
1290.7170	10	A	4	**504.2418**	**252.6248**
1419.7596	11	E	3	**433.2047**	217.1063
1548.8022	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

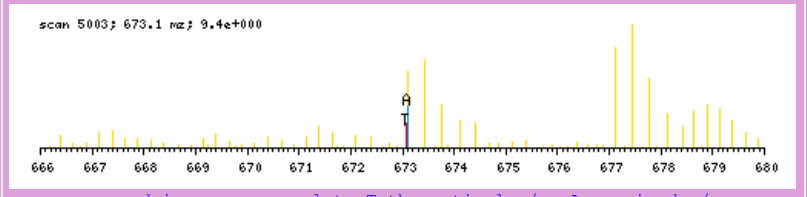
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RLAPAVLLSGLTEVPVPTR, MH+ 2017.2173, m/z 673.0773
L OS G32 P160811 220811-s1.05006.05006.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

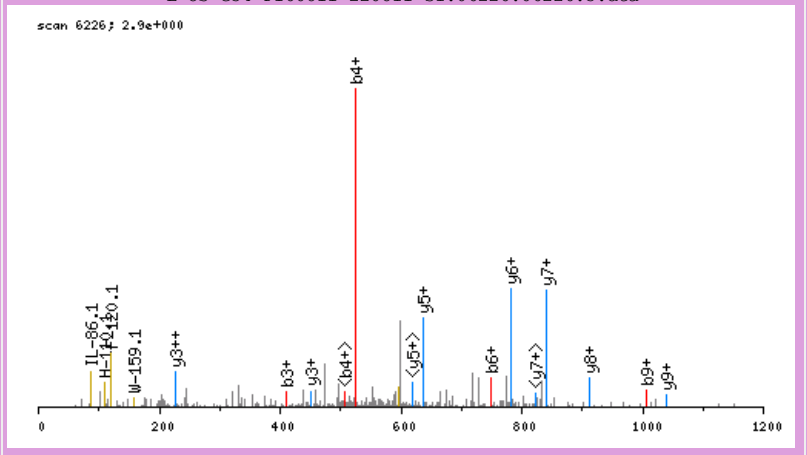


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

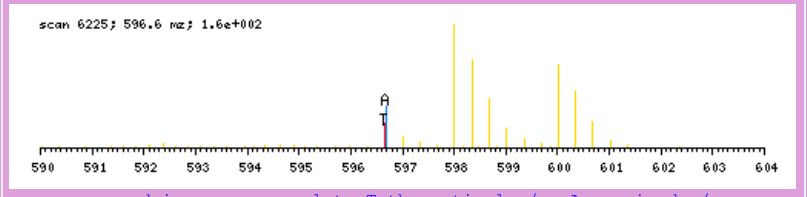
b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	19		
298.2243	2	L	18	1833.0850	917.0464
369.2614	3	A	17	1720.0009	860.5044
466.3142	4	P	16	1648.9638	824.9858
537.3513	5	A	15	1551.9110	776.4594
636.4197	6	V	14	1480.8739	**740.9409**
749.5037	7	L	13	1381.8055	691.4067
862.5878	8	L	12	1268.7214	**634.8646**
949.6198	9	S	11	1155.6374	578.3226
1006.6413	10	G	10	1068.6053	534.8066
1119.7254	11	L	9	1011.5839	506.2958
1220.7730	12	T	8	**898.4998**	449.7538
1349.8156	13	E	7	**797.4521**	399.2300
1448.8841	14	V	6	**668.4095**	334.7087
1545.9368	15	P	5	569.3411	285.1745
1645.0052	16	V	4	472.2884	236.6481
1742.0580	17	P	3	373.2199	187.1139
1843.1057	18	T	2	276.1672	138.5875
	19	R	1	**175.1195**	88.0637

N-term:+29.04

RLLLPQQAGFGECDR, MH+ 1787.9226, m/z 596.6457
L OS G34 P160811 220811-s1.06226.06226.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

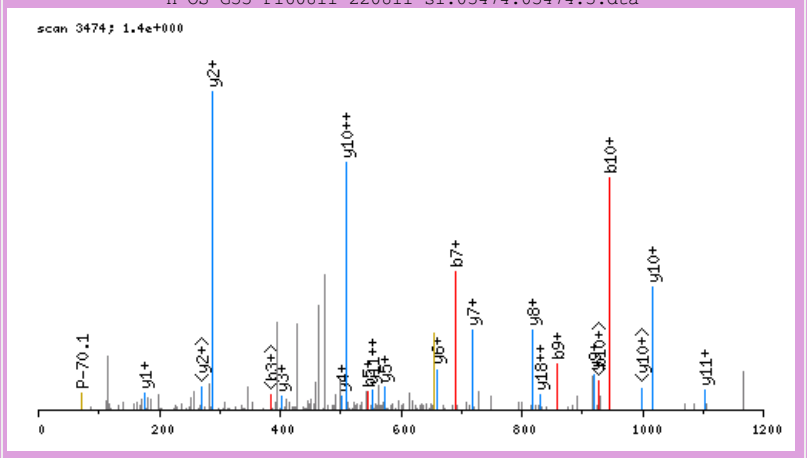
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
298.2243	2	L	14	1603.7902	802.3990
411.3083	3	L	13	1490.7061	745.8570
524.3924	4	L	12	1377.6221	689.3150
621.4452	5	P	11	1264.5380	632.7729
749.5037	6	Q	10	1167.4852	584.2465
877.5623	7	Q	9	**1039.4267**	520.2172
948.5994	8	A	8	**911.3681**	456.1880
1005.6209	9	G	7	**840.3310**	420.6694
1152.6893	10	F	6	**783.3095**	392.1587
1209.7108	11	G	5	**636.2411**	318.6245
1338.7534	12	E	4	579.2196	290.1137
1498.7840	13	C	3	**450.1770**	**225.5924**
1613.8109	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

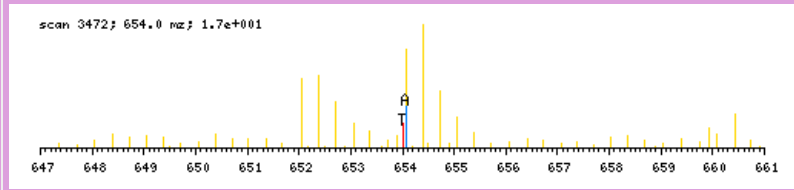
N-term:+29.04 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RLPSGSGPASPTTGSAVDIR, MH+ 1960.0676, m/z 654.0274
H OS G33 P160811 220811-s1.03474.03474.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



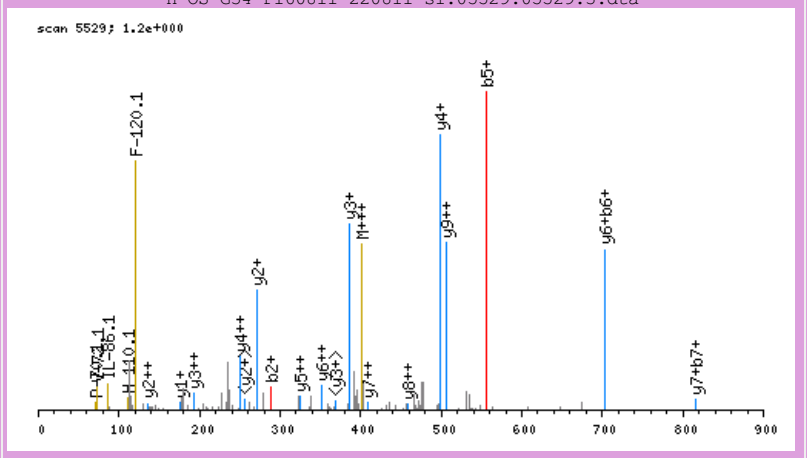
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	20		
304.2561	2	L	19	1769.9034	885.4556
401.3088	3	P	18	1656.8193	**828.9136**
488.3409	4	S	17	1559.7665	780.3872
545.3623	5	G	16	1472.7345	736.8712
632.3944	6	S	15	1415.7130	708.3604
689.4158	7	G	14	1328.6810	664.8444
786.4686	8	P	13	1271.6596	636.3337
857.5057	9	A	12	1174.6068	587.8073
944.5377	10	S	11	**1103.5697**	**552.2888**
1041.5905	11	P	10	**1016.5376**	**508.7727**
1142.6382	12	T	9	**919.4849**	460.2464
1243.6859	13	T	8	**818.4372**	409.7225
1300.7073	14	G	7	**717.3895**	359.1987
1387.7393	15	S	6	**660.3681**	330.6879
1458.7765	16	A	5	**573.3360**	287.1719
1557.8449	17	V	4	**502.2989**	251.6534
1672.8718	18	D	3	**403.2305**	202.1192
1785.9559	19	I	2	**288.2036**	144.6057
	20	R	1	**175.1195**	88.0637

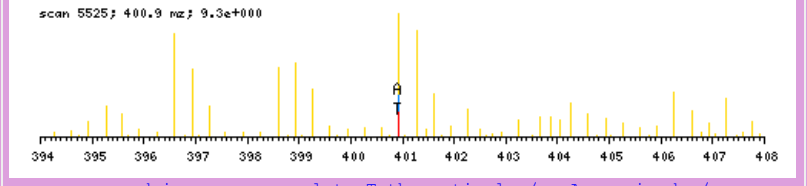
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RPPLGFLNPR, MH+ 1200.7429, m/z 400.9192
H OS G34 P160811 220811-s1.05529.05529.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



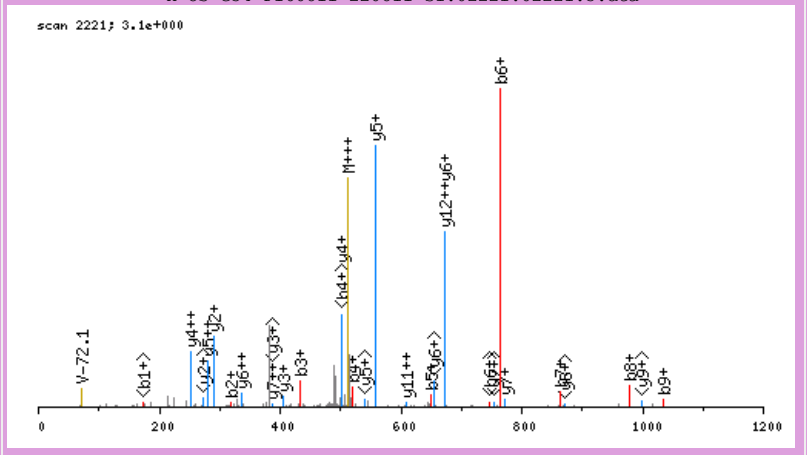
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	10		
288.2248	2	P	9	1010.5787	505.7933
385.2775	3	P	8	913.5260	457.2669
498.3616	4	L	7	816.4732	408.7405
555.3831	5	G	6	703.3891	352.1985
702.4515	6	F	5	646.3677	323.6877
815.5355	7	L	4	499.2993	250.1535
929.5785	8	N	3	386.2152	193.6115
1026.6312	9	P	2	272.1723	136.5900
	10	R	1	175.1195	88.0637

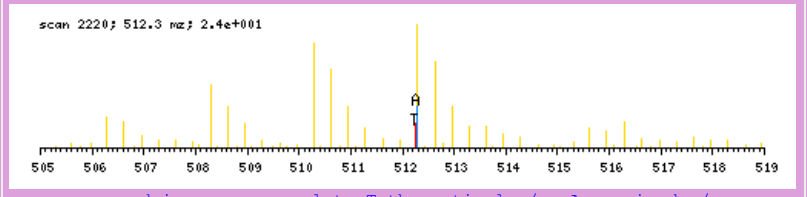
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RQISEDVDGPDNR, MH+ 1534.7673, m/z 512.2606
H OS G34 P160811 220811-s1.02221.02221.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



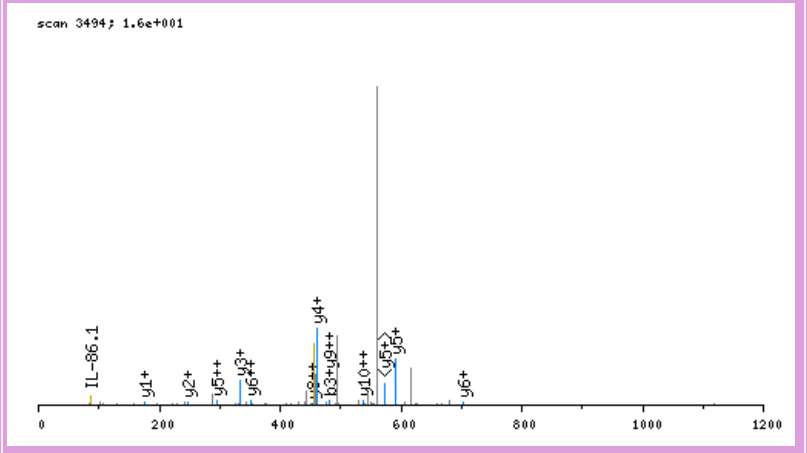
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	13		
319.2306	2	Q	12	1344.6032	672.8055
432.3147	3	I	11	1216.5446	608.7762
519.3467	4	S	10	1103.4605	552.2342
648.3893	5	E	9	1016.4285	508.7182
763.4162	6	D	8	887.3859	444.1969
862.4846	7	V	7	772.3590	386.6834
977.5116	8	D	6	673.2905	337.1492
1034.5330	9	G	5	558.2636	279.6357
1131.5858	10	P	4	501.2421	251.1250
1246.6127	11	D	3	404.1894	202.5986
1360.6557	12	N	2	289.1624	145.0851
	13	R	1	175.1195	88.0637

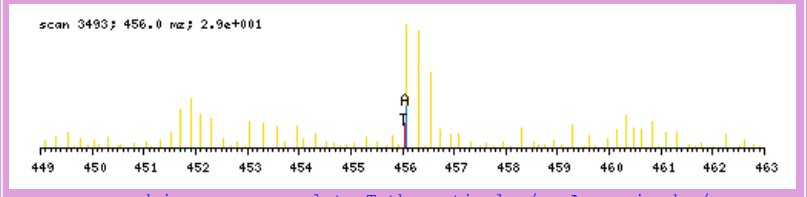
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RQKVAPLGAELQESAR, MH+ 1821.0983, m/z 456.0300
H OS G35 P160811 220811-s1.03494.03494.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



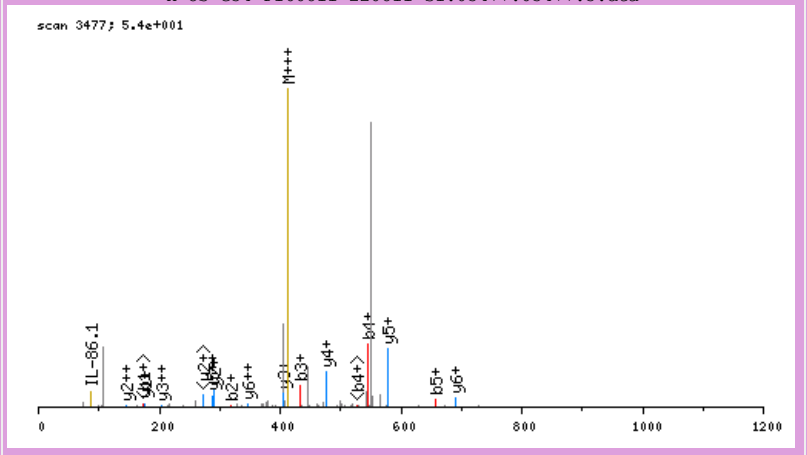
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	16		
319.2306	2	Q	15	1630.9341	815.9710
481.3887	3	K	14	1502.8755	751.9417
580.4571	4	V	13	1340.7174	670.8626
651.4942	5	A	12	1241.6490	621.3284
748.5470	6	P	11	1170.6119	585.8099
861.6310	7	L	10	1073.5591	**537.2835**
918.6525	8	G	9	960.4750	**480.7414**
989.6896	9	A	8	903.4536	**452.2307**
1118.7322	10	E	7	832.4165	416.7121
1231.8163	11	L	6	**703.3739**	**352.1909**
1359.8749	12	Q	5	**590.2898**	**295.6488**
1488.9174	13	E	4	**462.2312**	231.6195
1575.9495	14	S	3	**333.1886**	167.0982
1646.9866	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

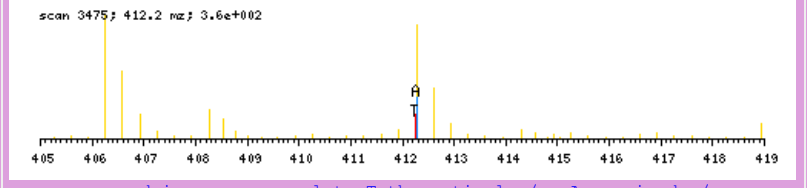
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RQLLLTADDR, MH+ 1234.7331, m/z 412.2492
H OS G34 P160811 220811-s1.03477.03477.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

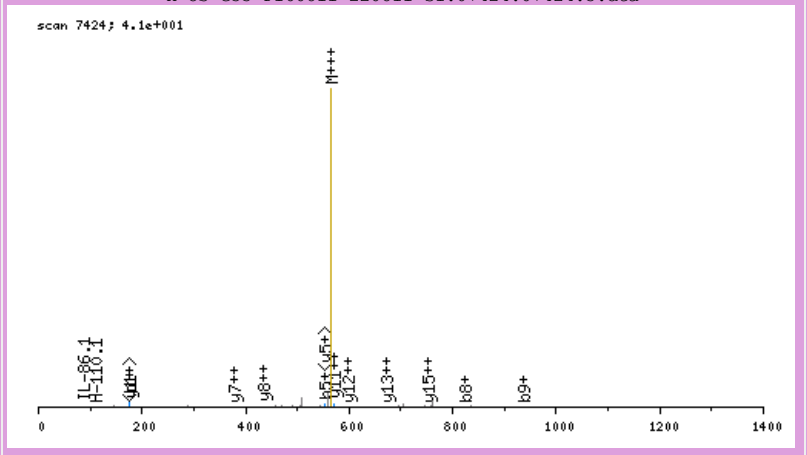


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

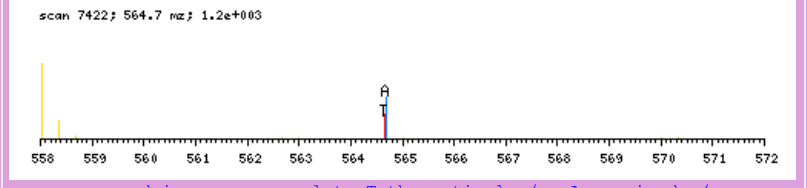
b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	10		
319.2306	2	Q	9	1044.5689	522.7884
432.3147	3	L	8	916.5104	458.7591
545.3987	4	L	7	803.4263	402.2171
658.4828	5	L	6	690.3422	345.6750
759.5305	6	T	5	577.2582	289.1330
830.5676	7	A	4	476.2105	238.6092
945.5945	8	D	3	405.1734	203.0906
1060.6215	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

N-term:+35.07

RSAFGAVTLSPVEAPR, MH+ 1691.9657, m/z 564.6601
H_OS_G33_P160811_220811-s1.07424.07424.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

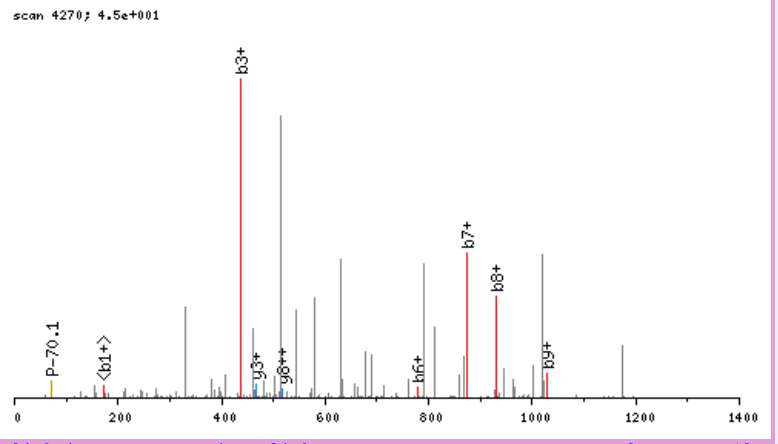
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	16		
278.2040	2	S	15	1501.8015	751.4046
349.2412	3	A	14	1414.7694	707.8886
496.3096	4	F	13	1343.7323	672.3701
553.3310	5	G	12	1196.6639	598.8359
624.3681	6	A	11	1139.6424	570.3251
723.4366	7	V	10	1068.6053	534.8066
824.4842	8	T	9	969.5369	485.2724
937.5683	9	L	8	868.4892	434.7485
1024.6003	10	S	7	755.4052	378.2065
1121.6531	11	P	6	668.3731	334.6905
1220.7215	12	V	5	571.3204	286.1641
1349.7641	13	E	4	472.2520	236.6299
1420.8012	14	A	3	343.2094	172.1086
1517.8540	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

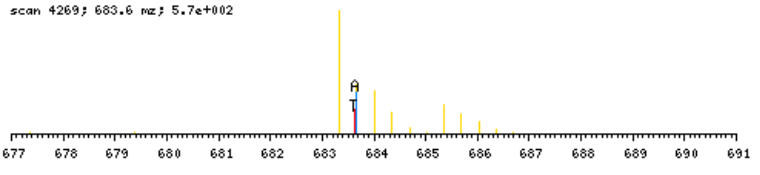
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RSCLILPGPGILNIYCSLGFKER, MH+ 2731.5427, m/z 683.6411
H OS G30 P160811 220811-s1.04270.04270.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

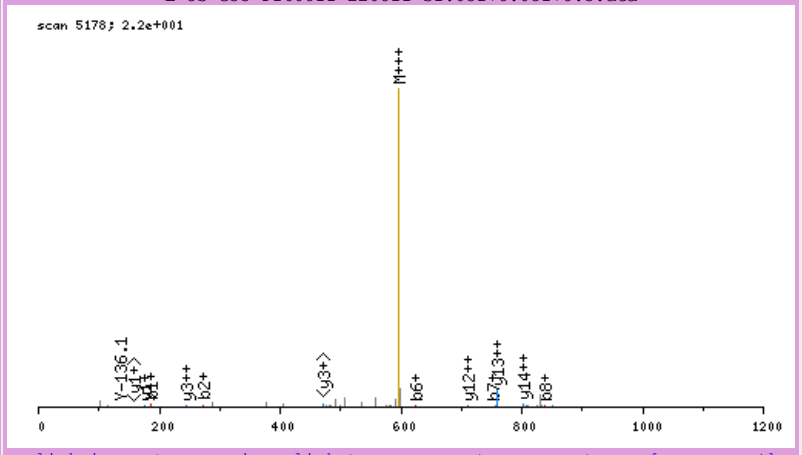


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

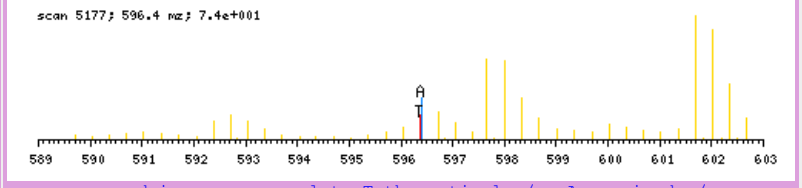
b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	23		
278.2040	2	S	22	2541.3785	1271.1932
438.2346	3	C	21	2454.3465	1227.6771
551.3187	4	L	20	2294.3159	1147.6618
664.4028	5	I	19	2181.2318	1091.1198
777.4868	6	L	18	2068.1477	1034.5778
874.5396	7	P	17	1955.0637	978.0357
931.5611	8	G	16	1858.0109	929.5094
1028.6138	9	P	15	1800.9894	900.9986
1085.6353	10	G	14	1703.9367	852.4723
1198.7194	11	I	13	1646.9152	823.9615
1311.8034	12	L	12	1533.8311	767.4195
1425.8463	13	N	11	1420.7471	710.8775
1538.9304	14	I	10	1306.7042	653.8560
1701.9937	15	Y	9	1193.6201	597.3140
1862.0243	16	C	8	1030.5568	**515.7823**
1949.0564	17	S	7	870.5262	435.7670
2062.1404	18	L	6	783.4941	392.2510
2119.1619	19	G	5	670.4101	335.7089
2266.2303	20	F	4	613.3886	307.1982
2428.3884	21	K	3	**466.3202**	233.6640
2557.4310	22	E	2	304.1621	152.5850
	23	R	1	175.1195	88.0637

N-term:+35.07 C(3):+160.03
C(16):+160.03 K(21):+162.16

RSPVPGQSGLHKKRR, MH+ 1787.0881, m/z 596.3675
L OS G33 P160811 220811-s1.05178.05178.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

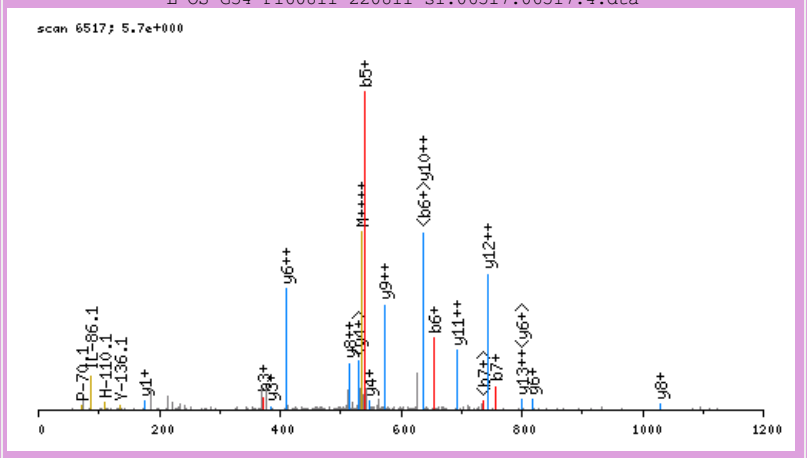
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1402	**1**	**R**	**15**		
272.1722	**2**	**S**	**14**	1602.9557	**801.9818**
369.2250	**3**	**P**	**13**	1515.9237	**758.4657**
468.2934	**4**	**V**	**12**	1418.8709	**709.9394**
565.3462	**5**	**P**	**11**	1319.8025	660.4052
622.3676	**6**	**G**	**10**	1222.7497	611.8788
750.4262	**7**	**Q**	**9**	1165.7283	583.3680
837.4583	**8**	**S**	**8**	1037.6697	519.3388
894.4797	**9**	**G**	**7**	950.6377	475.8227
1007.5638	**10**	**L**	**6**	893.6162	447.3120
1144.6227	**11**	**H**	**5**	780.5321	390.7700
1300.7490	**12**	**K**	**4**	643.4732	322.2405
1456.8753	**13**	**K**	**3**	487.3469	**244.1774**
1612.9764	**14**	**R**	**2**	331.2206	166.1142
	15	**R**	**1**	**175.1195**	88.0637

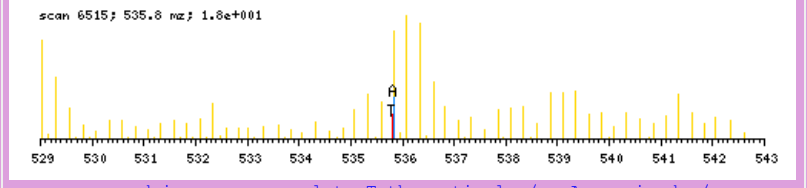
N-term:+29.04 K(12):+156.13
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RSTPAITLENPDIKYPLR, MH+ 2140.2130, m/z 535.8087
L OS G34 P160811 220811-s1.06517.06517.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



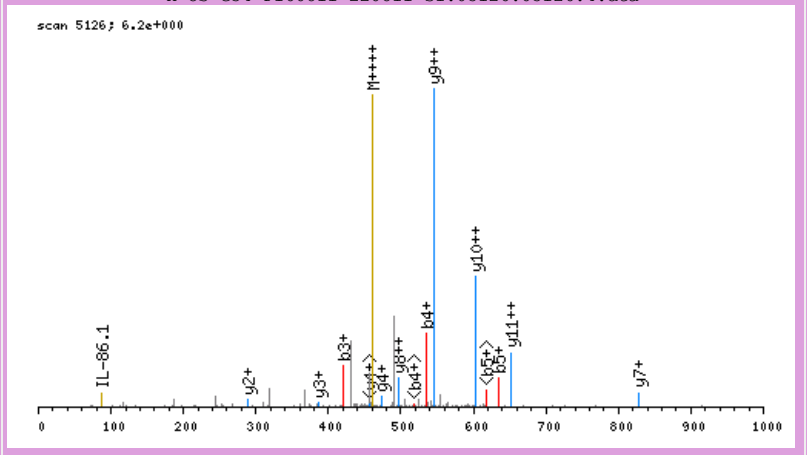
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	18		
272.1722	2	S	17	1956.0806	978.5442
373.2199	3	T	16	1869.0486	935.0282
470.2727	4	P	15	1768.0009	884.5044
541.3098	5	A	14	1670.9482	835.9780
654.3939	6	I	13	1599.9111	**800.4594**
755.4415	7	T	12	1486.8270	**743.9174**
868.5256	8	L	11	1385.7793	**693.3936**
997.5682	9	E	10	1272.6952	**636.8515**
1111.6111	10	N	9	1143.6527	**572.3302**
1208.6639	11	P	8	**1029.6097**	**515.3088**
1323.6908	12	D	7	932.5570	466.7824
1436.7749	13	I	6	**817.5300**	**409.2689**
1592.9012	14	K	5	704.4460	352.7269
1755.9645	15	Y	4	**548.3197**	274.6637
1853.0173	16	P	3	**385.2563**	193.1321
1966.1014	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

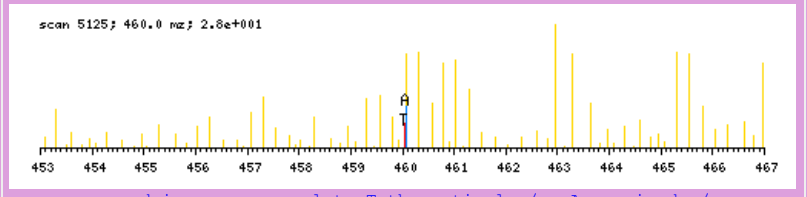
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RTEITIVKPQESVLR, MH+ 1837.1547, m/z 460.0441
H OS G34 P160811 220811-s1.05126.05126.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



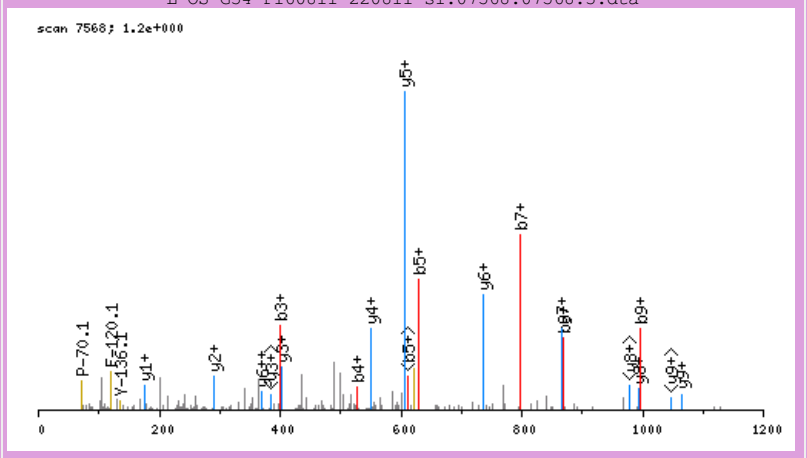
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	15		
292.2197	2	T	14	1646.9905	823.9992
421.2623	3	E	13	1545.9429	773.4753
534.3463	4	I	12	1416.9003	708.9540
635.3940	5	T	11	1303.8162	**652.4120**
748.4781	6	I	10	1202.7685	**601.8882**
847.5465	7	V	9	1089.6845	**545.3461**
1009.7046	8	K	8	990.6160	**495.8119**
1106.7574	9	P	7	**828.4579**	414.7329
1234.8159	10	Q	6	731.4052	366.2065
1363.8585	11	E	5	603.3466	302.1772
1450.8906	12	S	4	**474.3040**	237.6559
1549.9590	13	V	3	**387.2720**	194.1399
1663.0430	14	L	2	**288.2036**	144.6057
	15	R	1	175.1195	88.0637

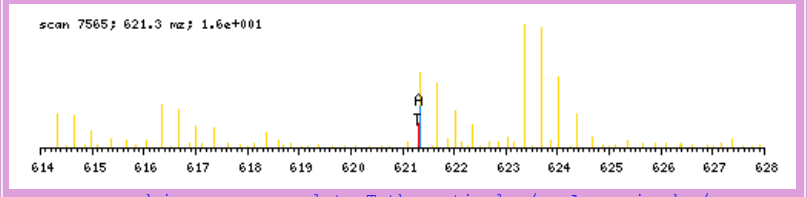
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RTLETPAAQMEGFLNR, MH+ 1861.9594, m/z 621.3247
L OS G34 P160811 220811-s1.07568.07568.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



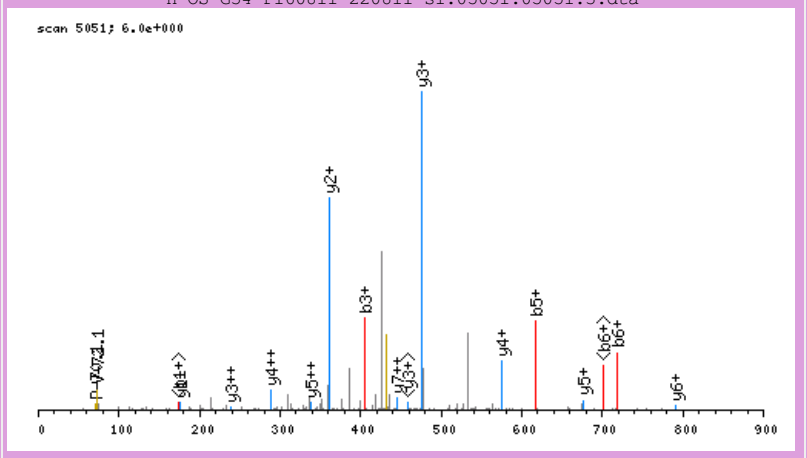
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
286.1879	2	T	15	1677.8270	839.4174
399.2720	3	L	14	1576.7794	788.8936
528.3145	4	E	13	1463.6953	732.3516
629.3622	5	T	12	1334.6527	667.8303
726.4150	6	P	11	1233.6050	617.3064
797.4521	7	A	10	1136.5523	568.7800
868.4892	8	A	9	**1065.5151**	533.2615
996.5478	9	Q	8	**994.4780**	497.7429
1127.5883	10	M	7	**866.4194**	433.7136
1256.6309	11	E	6	**735.3790**	**368.1934**
1313.6523	12	G	5	**606.3364**	303.6721
1460.7207	13	F	4	**549.3149**	275.1614
1573.8048	14	L	3	**402.2465**	201.6272
1687.8477	15	N	2	**289.1624**	145.0851
	16	R	1	**175.1195**	88.0637

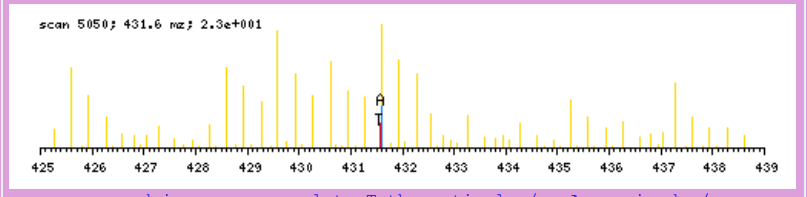
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RTLPDTVDWR, MH+ 1292.7175, m/z 431.5773
H OS G34 P160811 220811-s1.05051.05051.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



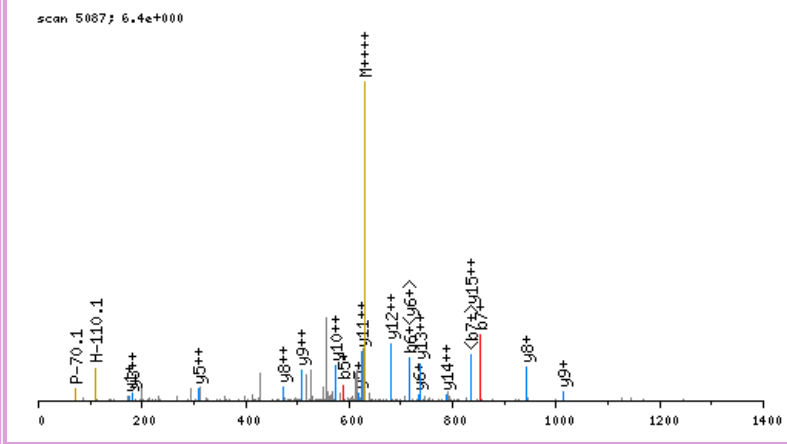
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	10		
292.2197	2	T	9	1102.5533	551.7806
405.3038	3	L	8	1001.5056	501.2567
502.3565	4	P	7	888.4216	**444.7147**
617.3835	5	D	6	**791.3688**	396.1883
718.4311	6	T	5	**676.3418**	**338.6748**
817.4996	7	V	4	**575.2942**	**288.1510**
932.5265	8	D	3	**476.2258**	**238.6168**
1118.6058	9	W	2	**361.1988**	181.1033
	10	R	1	**175.1195**	88.0637

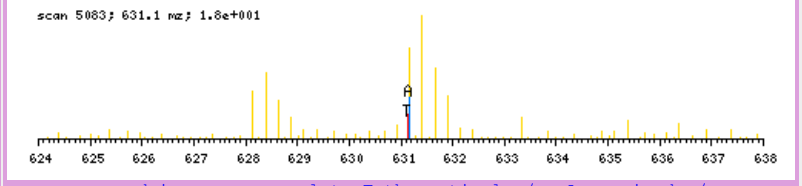
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RVAPEEHPTLLTEAPLNPKANR, MH+ 2521.4527, m/z 631.1186
H OS G35 P160811 220811-s1.05087.05087.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



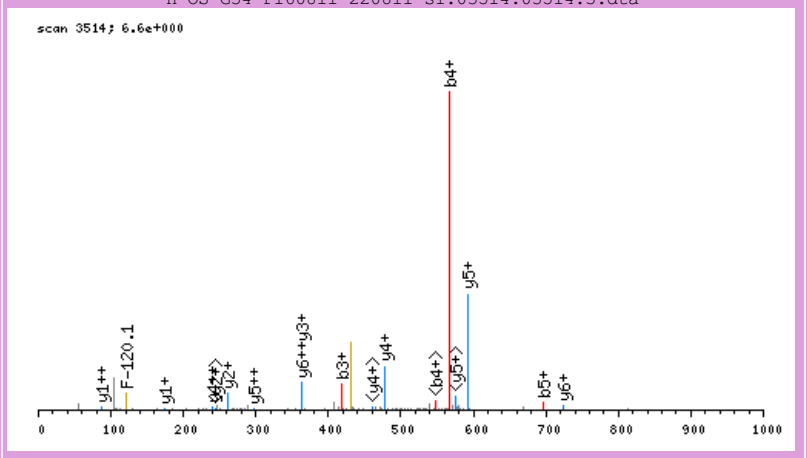
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	22		
290.2404	2	V	21	2331.2885	1166.1482
361.2775	3	A	20	2232.2201	1116.6140
458.3303	4	P	19	2161.1830	1081.0954
587.3729	5	E	18	2064.1302	1032.5690
716.4155	6	E	17	1935.0876	968.0477
853.4744	7	H	16	1806.0450	903.5264
950.5272	8	P	15	1668.9861	**834.9970**
1051.5748	9	T	14	1571.9334	**786.4706**
1164.6589	10	L	13	1470.8857	**735.9467**
1277.7430	11	L	12	1357.8016	**679.4047**
1378.7906	12	T	11	1244.7175	**622.8627**
1507.8332	13	E	10	1143.6699	**572.3388**
1578.8704	14	A	9	**1014.6273**	**507.8176**
1675.9231	15	P	8	**943.5902**	**472.2990**
1789.0072	16	L	7	846.5374	423.7726
1903.0501	17	N	6	**733.4533**	367.2306
2000.1029	18	P	5	**619.4104**	**310.2091**
2162.2610	19	K	4	522.3576	261.6827
2233.2981	20	A	3	360.1995	**180.6037**
2347.3410	21	N	2	289.1624	145.0851
	22	R	1	**175.1195**	88.0637

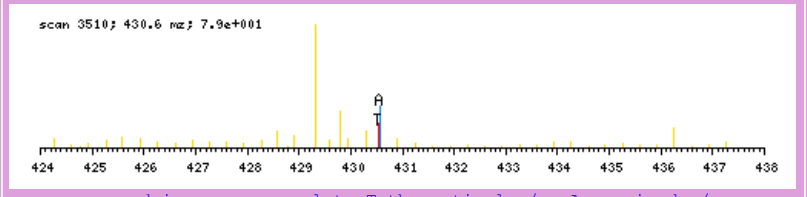
N-term:+35.07 K(19):+162.16

RVEFMDDTSR, MH+ 1289.6372, m/z 430.5506
H OS G34 P160811 220811-s1.03514.03514.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



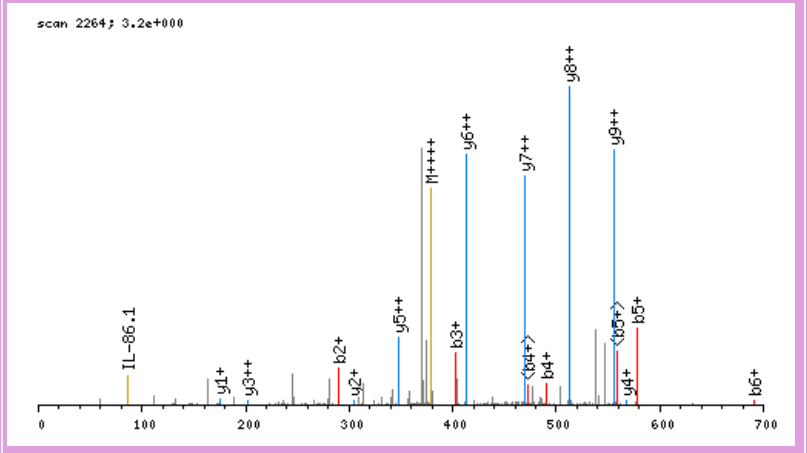
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	10		
290.2404	2	V	9	1099.4730	550.2404
419.2830	3	E	8	1000.4046	500.7062
566.3514	4	F	7	871.3620	436.1849
697.3919	5	M	6	**724.2936**	**362.6507**
812.4189	6	D	5	**593.2531**	**297.1305**
927.4458	7	D	4	**478.2262**	**239.6170**
1028.4935	8	T	3	**363.1992**	182.1035
1115.5255	9	S	2	**262.1515**	131.5797
	10	R	1	**175.1195**	**88.0637**

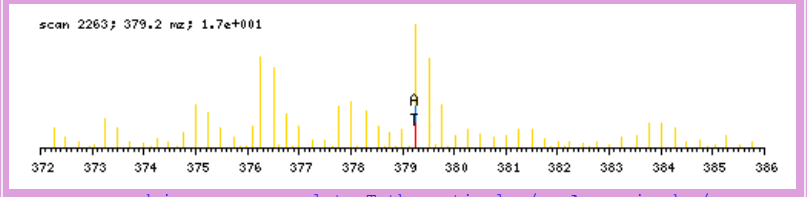
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

RVISSIEQKTER, MH+ 1513.9338, m/z 379.2389
H OS G35 P160811 220811-s1.02264.02264.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



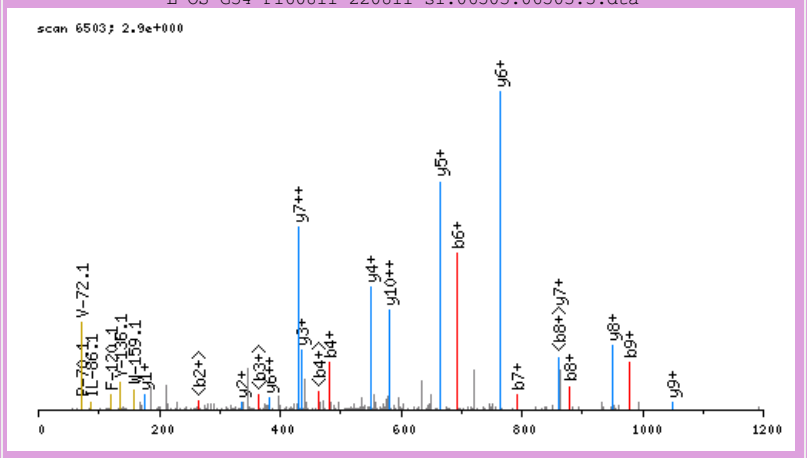
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	12		
290.2404	2	V	11	1323.7696	662.3887
403.3245	3	I	10	1224.7012	612.8545
490.3565	4	S	9	1111.6172	**556.3125**
577.3885	5	S	8	1024.5851	**512.7965**
690.4726	6	I	7	937.5531	**469.2805**
819.5152	7	E	6	824.4690	**412.7384**
947.5738	8	Q	5	695.4264	**348.2171**
1109.7319	9	K	4	**567.3679**	284.1878
1210.7796	10	T	3	405.2098	**203.1088**
1339.8222	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

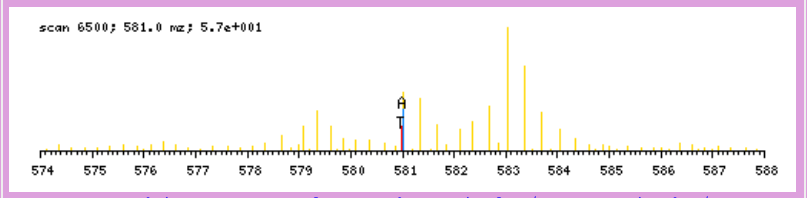
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RVPTPNVSVVDLTCR, MH+ 1740.9430, m/z 580.9858
L OS G34 P160811 220811-s1.06503.06503.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



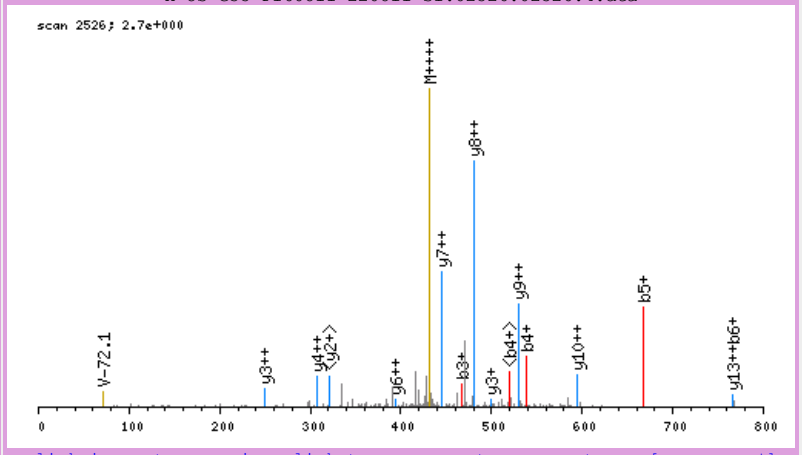
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
284.2086	2	V	14	1556.8106	778.9092
381.2614	3	P	13	1457.7422	729.3750
482.3091	4	T	12	1360.6894	680.8486
579.3618	5	P	11	1259.6417	630.3248
693.4048	6	N	10	1162.5890	**581.7984**
792.4732	7	V	9	**1048.5461**	524.7769
879.5052	8	S	8	**949.4776**	475.2427
978.5736	9	V	7	**862.4456**	**431.7267**
1077.6420	10	V	6	**763.3772**	**382.1925**
1192.6690	11	D	5	**664.3088**	332.6583
1305.7530	12	L	4	**549.2818**	275.1448
1406.8007	13	T	3	**436.1978**	218.6028
1566.8313	14	C	2	**335.1501**	168.0790
	15	R	1	**175.1195**	88.0637

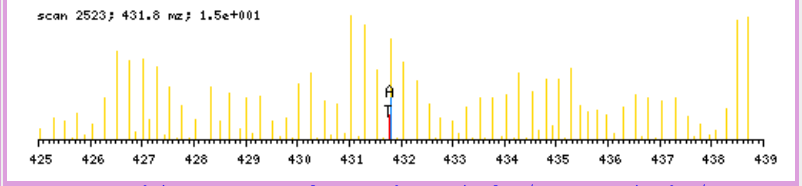
N-term:+29.04 C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

RYLAEVATGDDKKR, MH+ 1724.0555, m/z 431.7693
H OS G35 P160811 220811-s1.02526.02526.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



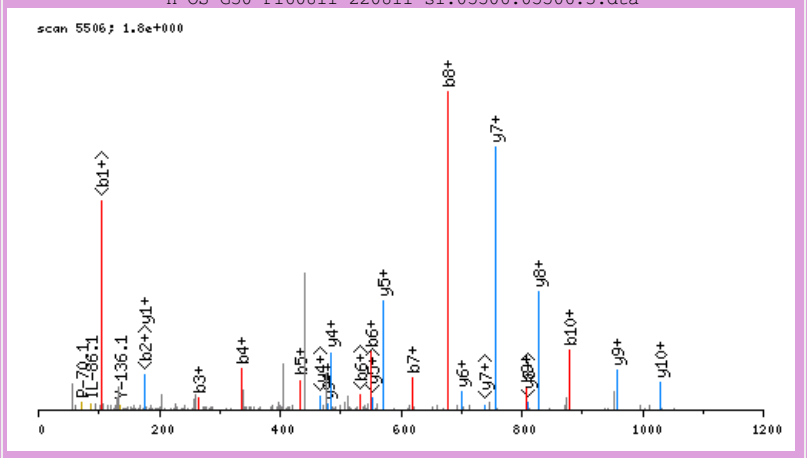
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	14		
354.2353	2	Y	13	1533.8914	**767.4496**
467.3194	3	L	12	1370.8280	685.9179
538.3565	4	A	11	1257.7440	629.3759
667.3991	5	E	10	1186.7069	**593.8573**
766.4675	6	V	9	1057.6643	**529.3360**
837.5046	7	A	8	958.5958	**479.8018**
938.5523	8	T	7	887.5587	**444.2833**
995.5738	9	G	6	786.5111	**393.7594**
1110.6007	10	D	5	729.4896	365.2487
1225.6277	11	D	4	614.4626	**307.7352**
1387.7858	12	K	3	**499.4357**	**250.2218**
1549.9439	13	K	2	337.2776	169.1427
	14	R	1	175.1195	88.0637

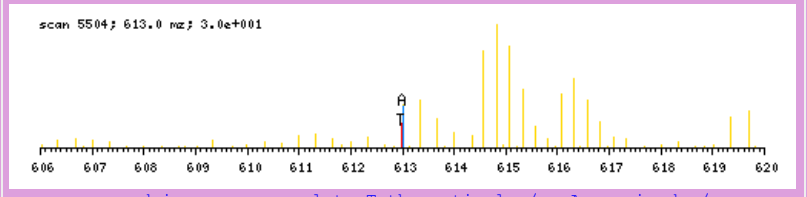
N-term:+35.07 K(12):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAAAVDAGMAMAGQSPVLR, MH+ 1836.9524, m/z 612.9890
H OS G30 P160811 220811-s1.05506.05506.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



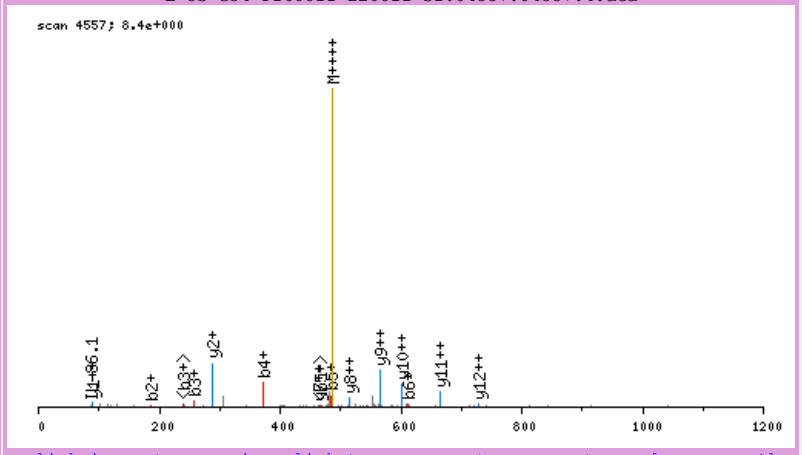
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
193.1400	2	A	18	1715.8573	858.4326
264.1772	3	A	17	1644.8202	822.9140
335.2143	4	A	16	1573.7831	787.3954
434.2827	5	V	15	1502.7459	751.8769
549.3096	6	D	14	1403.6775	702.3427
620.3467	7	A	13	1288.6506	644.8292
677.3682	8	G	12	1217.6135	609.3106
808.4087	9	M	11	1160.5920	580.7999
879.4458	10	A	10	1029.5515	515.2797
1010.4863	11	M	9	958.5144	479.7611
1081.5234	12	A	8	827.4739	414.2409
1138.5449	13	G	7	756.4368	378.7223
1266.6034	14	Q	6	699.4153	350.2116
1353.6355	15	S	5	571.3568	286.1823
1450.6882	16	P	4	484.3247	242.6663
1549.7566	17	V	3	387.2720	194.1399
1662.8407	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

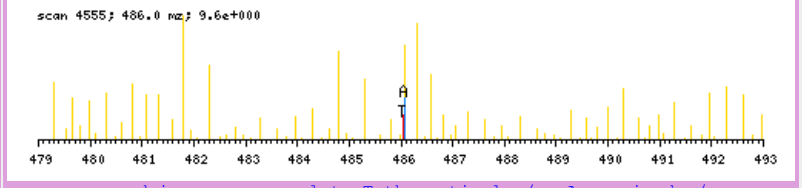
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SAALIQQATTVKNKDIR, MH+ 1941.1497, m/z 486.0429
L OS G34 P160811 220811-s1.04557.04557.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



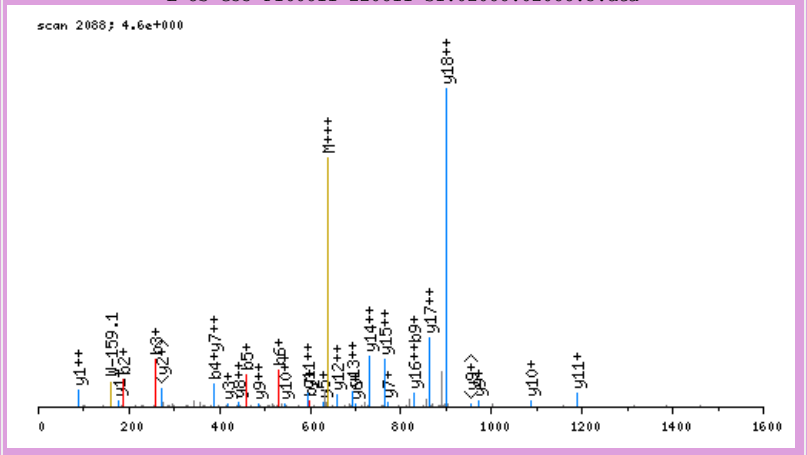
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
187.1082	2	A	16	1826.0864	913.5471
258.1454	3	A	15	1755.0493	878.0286
371.2294	4	L	14	1684.0122	842.5100
484.3135	5	I	13	1570.9281	785.9680
612.3721	6	Q	12	1457.8441	**729.4260**
740.4306	7	Q	11	1329.7855	**665.3967**
811.4678	8	A	10	1201.7269	**601.3674**
912.5154	9	T	9	1130.6898	**565.8488**
1013.5631	10	T	8	1029.6421	**515.3250**
1112.6315	11	V	7	928.5944	**464.8011**
1268.7578	12	K	6	829.5260	415.2669
1382.8008	13	N	5	673.3997	337.2038
1538.9271	14	K	4	559.3568	280.1823
1653.9540	15	D	3	403.2305	202.1192
1767.0381	16	I	2	**288.2036**	144.6057
	17	R	1	175.1195	**88.0637**

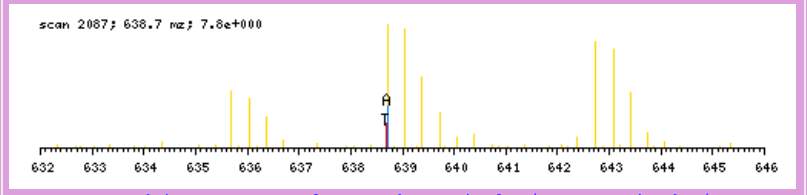
N-term:+29.04 K(12):+156.13
K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAAQAAAQTNSNAAGKQLR, MH+ 1914.0157, m/z 638.6768
L OS G33 P160811 220811-s1.02088.02088.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



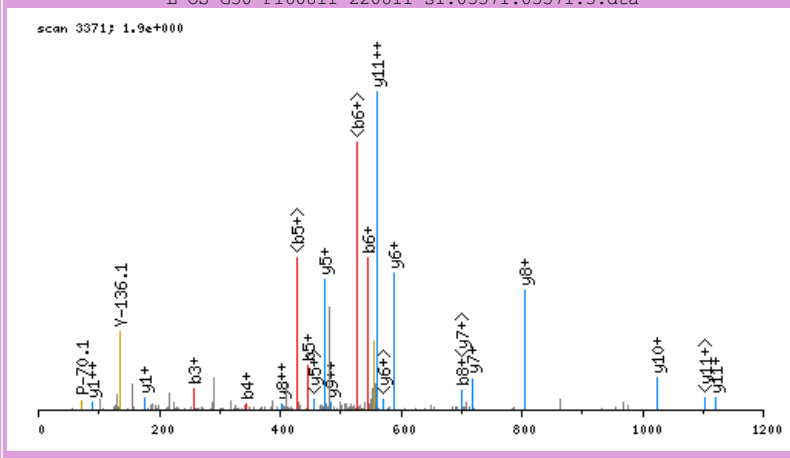
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
187.1082	2	A	18	1798.9524	899.9801
258.1454	3	A	17	1727.9153	864.4616
386.2039	4	Q	16	1656.8782	828.9430
457.2410	5	A	15	1528.8196	764.9137
528.2782	6	A	14	1457.7825	729.3952
599.3153	7	A	13	1386.7454	693.8766
727.3739	8	Q	12	1315.7083	658.3580
828.4215	9	T	11	1187.6497	594.3288
942.4645	10	N	10	1086.6020	543.8049
1029.4965	11	S	9	972.5591	486.7835
1143.5394	12	N	8	885.5271	443.2674
1214.5765	13	A	7	771.4841	386.2460
1285.6136	14	A	6	700.4470	350.7274
1342.6351	15	G	5	629.4099	315.2089
1498.7614	16	K	4	572.3884	286.6981
1626.8200	17	Q	3	416.2621	208.6350
1739.9040	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

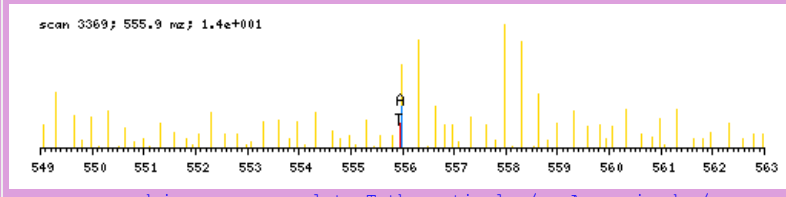
N-term:+29.04 K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAASTVPGYSEDGGALR, MH+ 1665.8084, m/z 555.9410
L OS G30 P160811 220811-s1.03371.03371.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



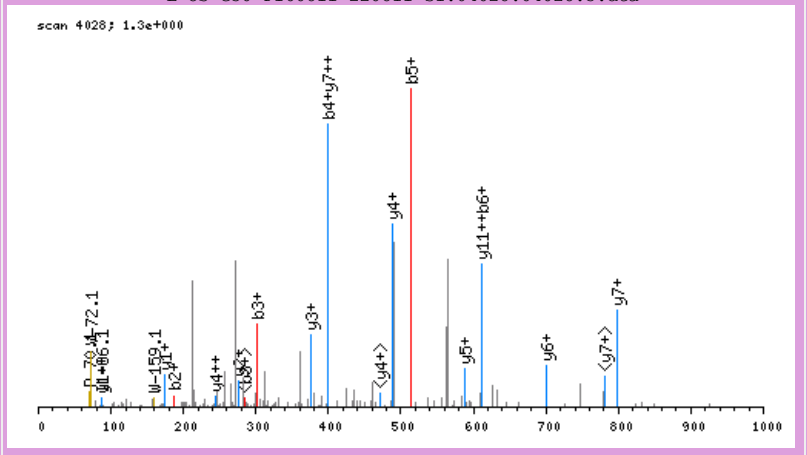
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
187.1082	2	A	16	1550.7451	775.8765
258.1454	3	A	15	1479.7080	740.3579
345.1774	4	S	14	1408.6708	704.8393
446.2251	5	T	13	1321.6388	661.3233
545.2935	6	V	12	1220.5911	610.7995
642.3462	7	P	11	**1121.5227**	**561.2653**
699.3677	8	G	10	**1024.4700**	512.7389
862.4310	9	Y	9	967.4485	**484.2282**
949.4631	10	S	8	**804.3852**	**402.6965**
1078.5057	11	E	7	**717.3531**	359.1805
1193.5326	12	D	6	**588.3105**	294.6592
1250.5541	13	G	5	**473.2836**	237.1457
1307.5755	14	G	4	416.2621	208.6350
1378.6126	15	A	3	359.2407	180.1243
1491.6967	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	**88.0637**

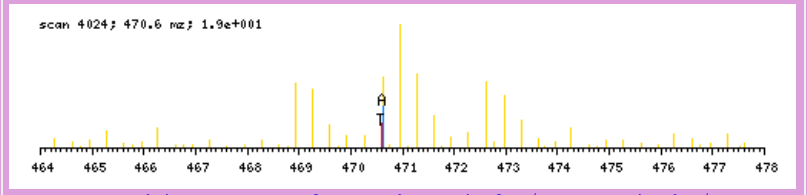
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SADPNVPNVIVTR, MH+ 1409.7752, m/z 470.5966
L OS G30 P160811 220811-s1.04028.04028.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



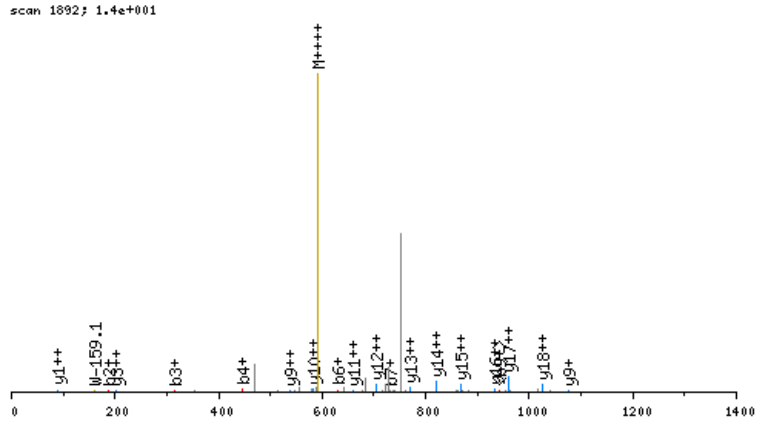
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
187.1082	2	A	12	1294.7119	647.8599
302.1352	3	D	11	1223.6748	612.3413
399.1879	4	P	10	1108.6479	554.8278
513.2309	5	N	9	1011.5951	506.3015
612.2993	6	V	8	897.5522	449.2800
709.3521	7	P	7	798.4838	399.7458
823.3950	8	N	6	701.4310	351.2194
922.4634	9	V	5	587.3881	294.1979
1035.5475	10	I	4	488.3197	244.6637
1134.6159	11	V	3	375.2356	188.1217
1235.6636	12	T	2	276.1672	138.5875
	13	R	1	175.1195	88.0637

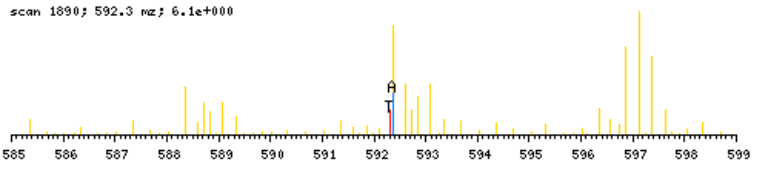
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAEEGEVTESKSSQKESSVQR, MH+ 2366.1688, m/z 592.2976
L OS G34 P160811 220811-s1.01892.01892.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



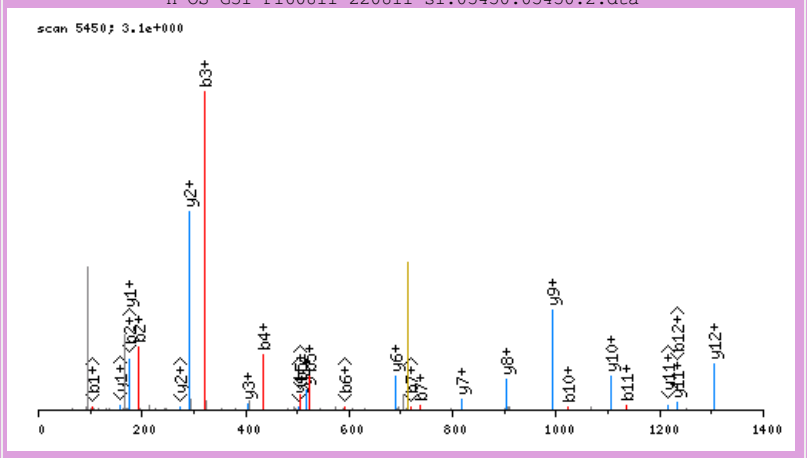
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
187.1082	2	A	20	2251.1054	1126.0566
316.1508	3	E	19	2180.0683	1090.5381
445.1934	4	E	18	2051.0257	1026.0168
502.2149	5	G	17	1921.9831	961.4955
631.2575	6	E	16	1864.9617	932.9848
730.3259	7	V	15	1735.9191	868.4635
831.3736	8	T	14	1636.8507	818.9293
960.4162	9	E	13	1535.8030	768.4054
1047.4482	10	S	12	1406.7604	703.8841
1203.5745	11	K	11	1319.7284	660.3681
1290.6065	12	S	10	1163.6021	582.3050
1377.6386	13	S	9	1076.5700	538.7889
1505.6971	14	Q	8	989.5380	495.2729
1661.8234	15	K	7	861.4794	431.2436
1790.8660	16	E	6	705.3531	353.1805
1877.8981	17	S	5	576.3105	288.6592
1964.9301	18	S	4	489.2785	245.1432
2063.9985	19	V	3	402.2465	201.6272
2192.0571	20	Q	2	303.1781	152.0930
	21	R	1	175.1195	88.0637

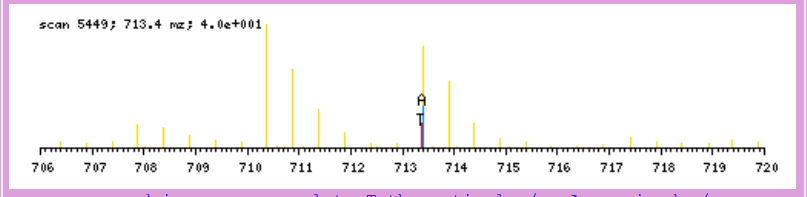
N-term:+29.04 K(11):+156.13
K(15):+156.13

SAELSSEGILDDR, MH+ 1425.7285, m/z 713.3679
H OS G31 P160811 220811-s1.05450.05450.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



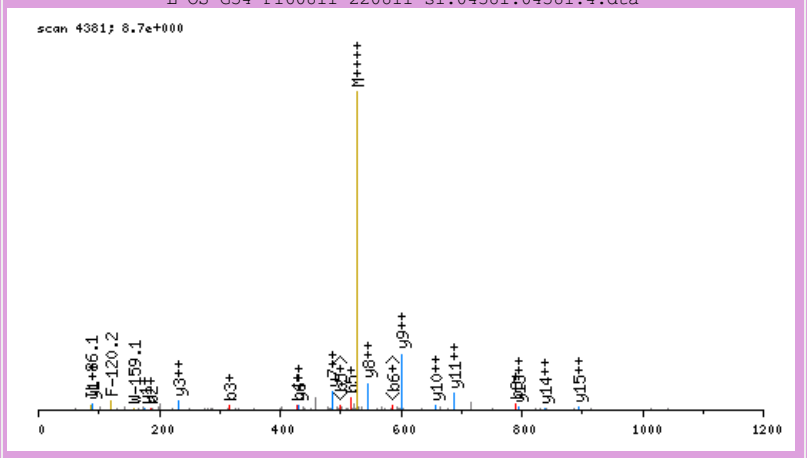
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
193.1400	2	A	12	1304.6334	652.8206
322.1826	3	E	11	1233.5963	617.3021
435.2667	4	L	10	1104.5537	552.7808
522.2987	5	S	9	991.4696	496.2387
609.3308	6	S	8	904.4376	452.7227
738.3733	7	E	7	817.4056	409.2067
795.3948	8	G	6	688.3630	344.6854
908.4789	9	I	5	631.3415	316.1747
1021.5629	10	L	4	518.2575	259.6326
1136.5899	11	D	3	405.1734	203.0906
1251.6168	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

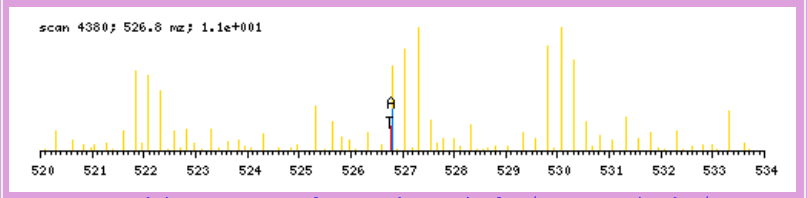
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAELSSEGILDDRNEEKR, MH+ 2104.0522, m/z 526.7685
L OS G34 P160811 220811-s1.04381.04381.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



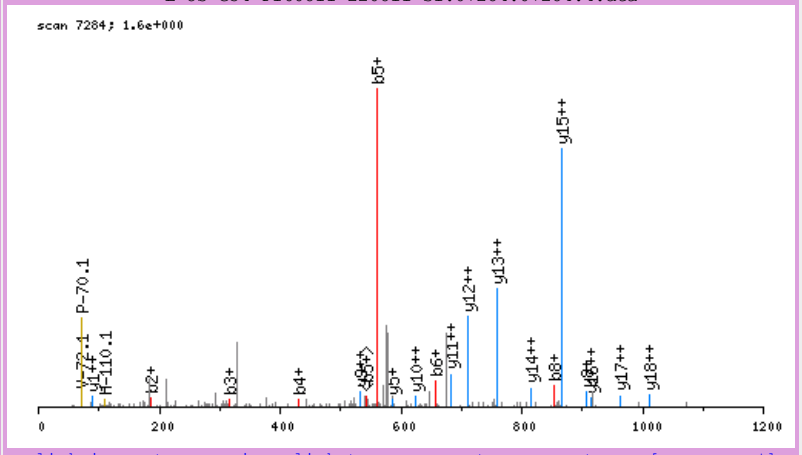
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
187.1082	2	A	17	1988.9889	994.9984
316.1508	3	E	16	1917.9518	959.4798
429.2349	4	L	15	1788.9092	894.9585
516.2669	5	S	14	1675.8252	838.4165
603.2990	6	S	13	1588.7931	794.9005
732.3415	7	E	12	1501.7611	751.3845
789.3630	8	G	11	1372.7185	686.8632
902.4471	9	I	10	1315.6970	658.3524
1015.5311	10	L	9	1202.6130	601.8104
1130.5581	11	D	8	1089.5289	545.2684
1245.5850	12	D	7	974.5020	487.7549
1401.6861	13	R	6	859.4750	430.2414
1515.7291	14	N	5	703.3739	352.1909
1644.7717	15	E	4	589.3310	295.1694
1773.8143	16	E	3	460.2884	230.6481
1929.9406	17	K	2	331.2458	166.1268
	18	R	1	175.1195	88.0637

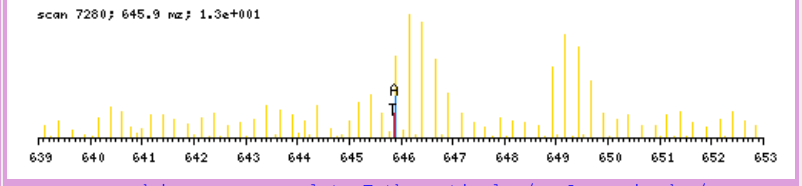
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAENEPPVPLVGNWRPPQPVKGR, MH+ 2580.4051, m/z 645.8567
L OS G34 P160811 220811-s1.07284.07284.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



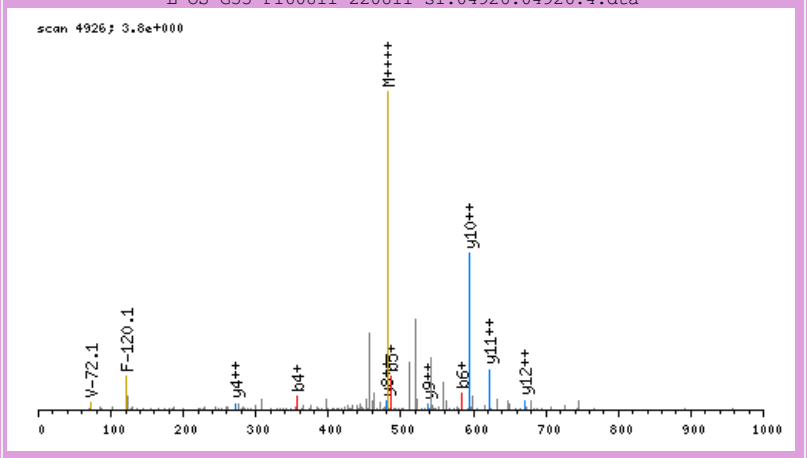
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
187.1082	2	A	22	2465.3418	1233.1748
316.1508	3	E	21	2394.3047	1197.6562
430.1938	4	N	20	2265.2621	1133.1349
559.2364	5	E	19	2151.2191	1076.1135
656.2891	6	P	18	2022.1765	**1011.5922**
753.3419	7	P	17	1925.1238	**963.0658**
852.4103	8	V	16	1828.0710	**914.5394**
949.4631	9	P	15	1729.0026	**865.0052**
1062.5471	10	L	14	1631.9498	**816.4788**
1161.6155	11	V	13	1518.8658	**759.9368**
1218.6370	12	G	12	1419.7974	**710.4026**
1332.6799	13	N	11	1362.7759	**681.8919**
1518.7592	14	W	10	1248.7330	**624.8704**
1674.8604	15	R	9	1062.6537	**531.8307**
1771.9131	16	P	8	**906.5525**	453.7802
1868.9659	17	P	7	809.4998	405.2538
1997.0245	18	Q	6	712.4470	356.7274
2094.0772	19	P	5	**584.3884**	292.6981
2193.1456	20	V	4	487.3357	244.1718
2349.2719	21	K	3	388.2673	194.6375
2406.2934	22	G	2	232.1410	116.5744
	23	R	1	175.1195	**88.0637**

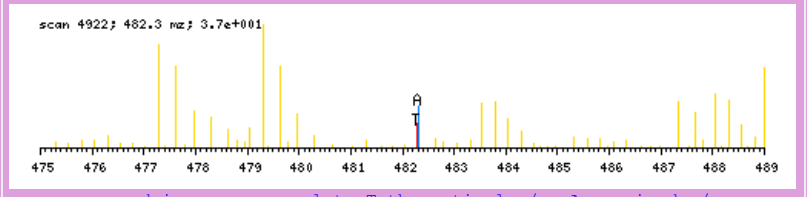
N-term:+29.04 K(21):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAGIQVVGDDLTVTNPKR, MH+ 1926.0660, m/z 482.2720
L OS G33 P160811 220811-s1.04926.04926.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

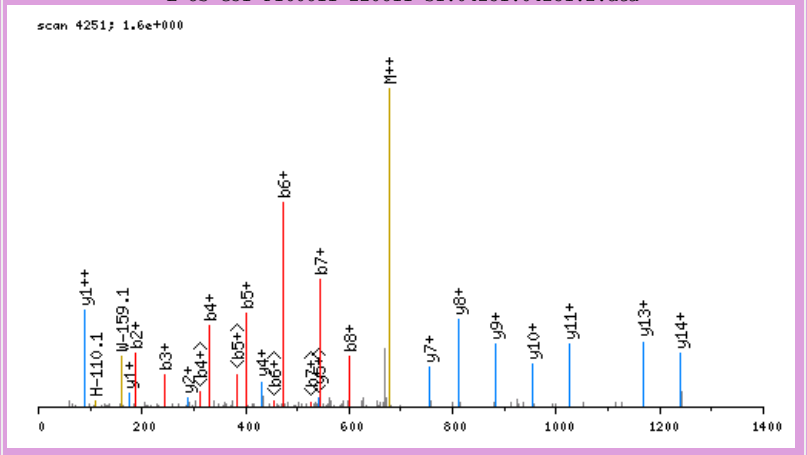


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

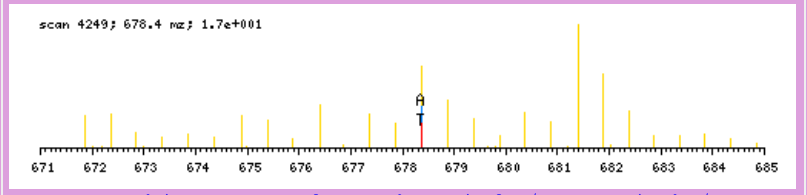
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
187.1082	2	A	17	1811.0027	906.0053
244.1297	3	G	16	1739.9656	870.4867
357.2138	4	I	15	1682.9441	841.9760
485.2723	5	Q	14	1569.8601	785.4340
584.3408	6	V	13	1441.8015	721.4047
683.4092	7	V	12	1342.7331	**671.8705**
740.4306	8	G	11	1243.6647	**622.3363**
855.4576	9	D	10	1186.6432	**593.8255**
970.4845	10	D	9	1071.6163	**536.3120**
1083.5686	11	L	8	956.5893	**478.7986**
1184.6163	12	T	7	843.5053	422.2565
1283.6847	13	V	6	742.4576	371.7327
1384.7324	14	T	5	643.3892	322.1985
1498.7753	15	N	4	542.3415	**271.6747**
1595.8281	16	P	3	428.2986	214.6532
1751.9544	17	K	2	331.2458	166.1268
	18	R	1	175.1195	88.0637

N-term:+29.04 K(17):+156.13

SAGSAAAGPVEAAIR, MH+ 1355.7283, m/z 678.3678
L OS G31 P160811 220811-s1.04251.04251.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

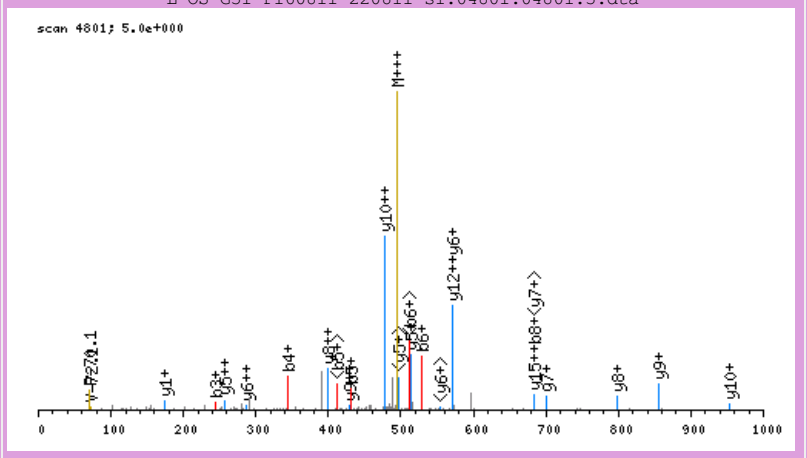
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
187.1082	2	A	14	1240.6650	620.8364
244.1297	3	G	13	1169.6279	585.3178
331.1617	4	S	12	1112.6064	556.8071
402.1988	5	A	11	1025.5744	513.2911
473.2360	6	A	10	954.5373	477.7725
544.2731	7	A	9	883.5001	442.2540
601.2945	8	G	8	812.4630	406.7354
698.3473	9	P	7	755.4416	378.2247
797.4157	10	V	6	658.3888	329.6983
926.4583	11	E	5	559.3204	280.1641
997.4954	12	A	4	430.2778	215.6428
1068.5325	13	A	3	359.2407	180.1243
1181.6166	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

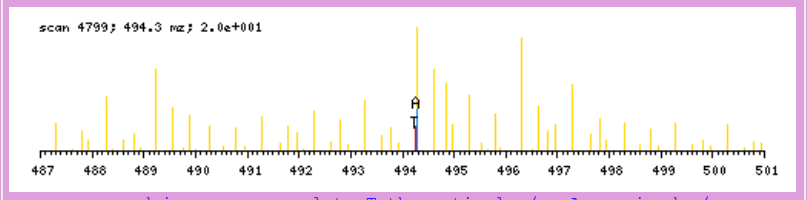
N-term:+29.04

SAGVSVPGPMGPSGPR, MH+ 1480.7582, m/z 494.2576
L_OS_G31_P160811_220811-s1.04801.04801.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO



click image to zoom in; click top corners to zoom out [precursor±]



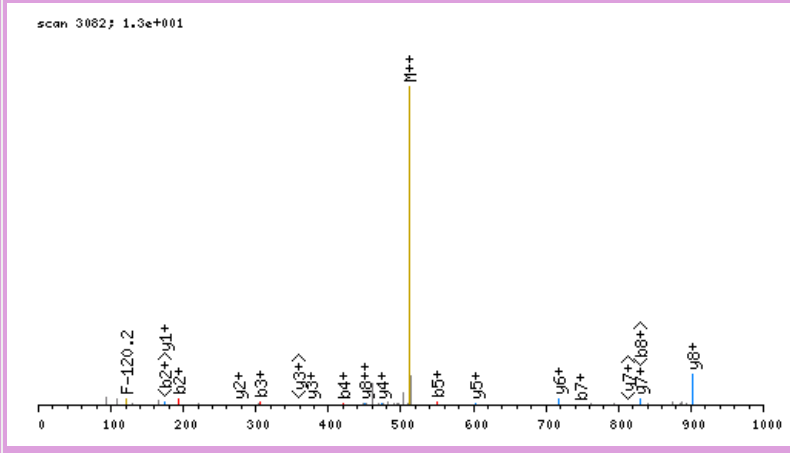
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
187.1082	2	A	15	1365.6949	**683.3514**
244.1297	3	G	14	1294.6578	647.8328
343.1981	4	V	13	1237.6363	619.3221
430.2301	5	S	12	1138.5679	**569.7879**
529.2986	6	V	11	1051.5359	526.2718
626.3513	7	P	10	**952.4675**	**476.7376**
683.3728	8	G	9	**855.4147**	**428.2113**
780.4256	9	P	8	**798.3932**	**399.7005**
911.4660	10	M	7	**701.3405**	351.1741
968.4875	11	G	6	**570.3000**	**285.6539**
1065.5403	12	P	5	**513.2785**	**257.1432**
1152.5723	13	S	4	416.2258	208.6168
1209.5938	14	G	3	329.1937	165.1008
1306.6465	15	P	2	272.1723	136.5900
	16	R	1	**175.1195**	88.0637

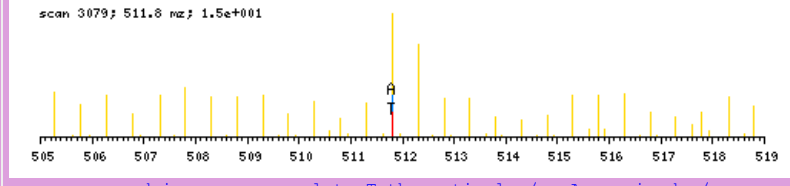
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAINEVVTR, MH+ 1022.6058, m/z 511.8065
H OS G31 P160811 220811-s1.03082.03082.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



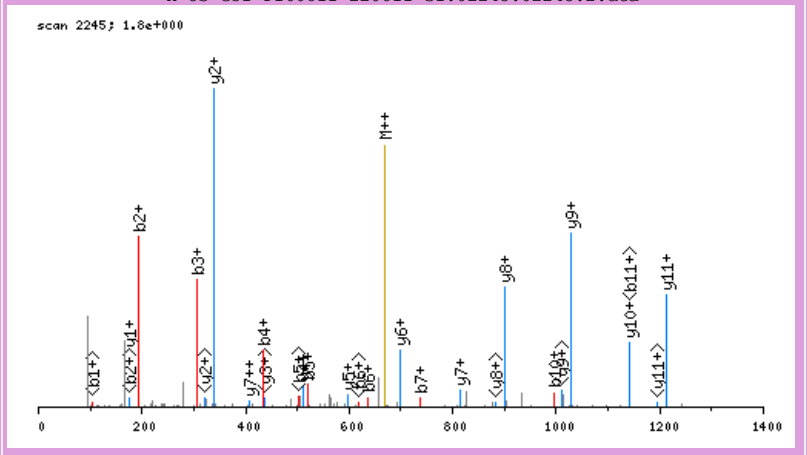
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	9		
193.1400	2	A	8	901.5107	451.2593
306.2241	3	I	7	830.4736	415.7407
420.2670	4	N	6	717.3895	359.1987
549.3096	5	E	5	603.3466	302.1772
648.3780	6	V	4	474.3040	237.6559
747.4465	7	V	3	375.2356	188.1217
848.4941	8	T	2	276.1672	138.5875
	9	R	1	175.1195	88.0637

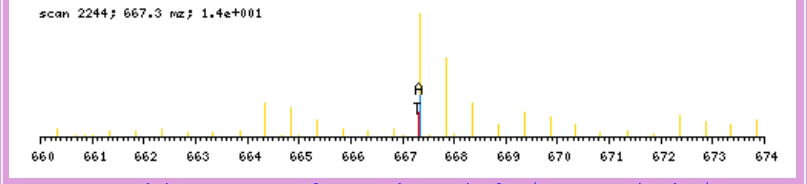
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAIQSDTSGDYR, MH+ 1333.6448, m/z 667.3260
H OS G31 P160811 220811-s1.02245.02245.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



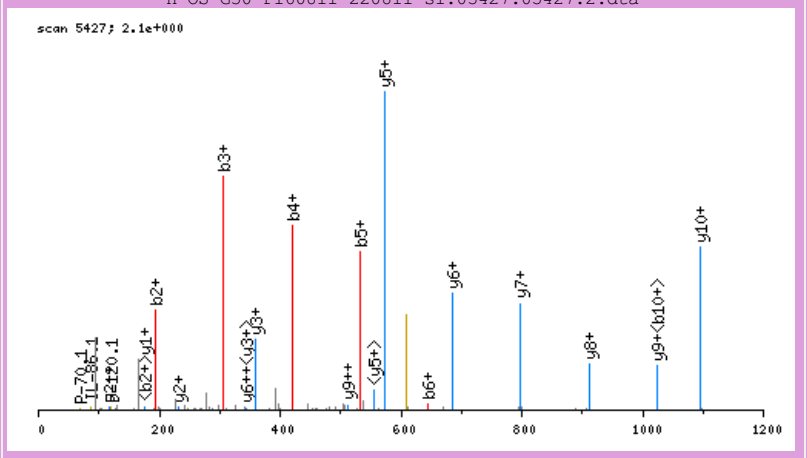
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
193.1400	2	A	11	1212.5497	606.7787
306.2241	3	I	10	1141.5126	571.2602
434.2827	4	Q	9	1028.4285	514.7182
521.3147	5	S	8	900.3699	450.6889
636.3417	6	D	7	813.3379	407.1729
737.3893	7	T	6	698.3109	349.6594
824.4214	8	S	5	597.2633	299.1355
881.4428	9	G	4	510.2312	255.6195
996.4698	10	D	3	453.2098	227.1088
1159.5331	11	Y	2	338.1828	169.5953
	12	R	1	175.1195	88.0637

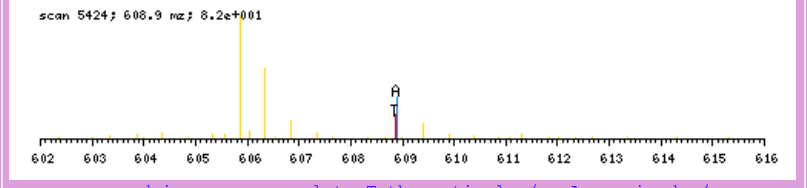
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SALLILPDQGR, MH+ 1216.7477, m/z 608.8775
H_OS_G30_P160811_220811-s1.05427.05427.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



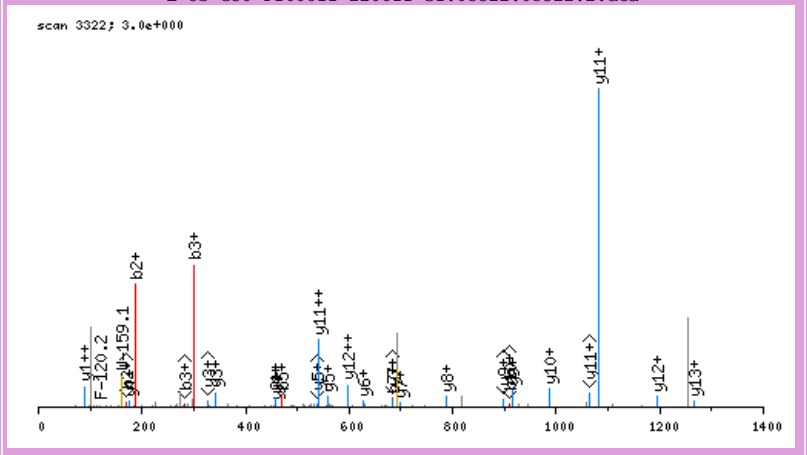
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
193.1400	2	A	10	1095.6526	548.3302
306.2241	3	L	9	1024.6155	512.8117
419.3082	4	L	8	911.5314	456.2696
532.3922	5	I	7	798.4474	399.7276
645.4763	6	L	6	685.3633	343.1856
742.5291	7	P	5	572.2792	286.6435
857.5560	8	D	4	475.2265	238.1172
985.6146	9	Q	3	360.1995	180.6037
1042.6360	10	G	2	232.1410	116.5744
	11	R	1	175.1195	88.0637

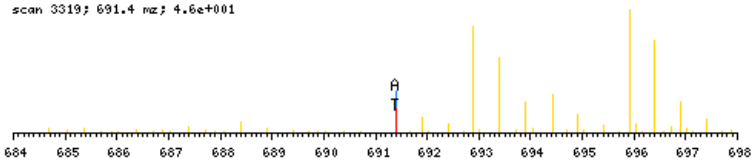
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SALPAQSAATLPAR, MH+ 1381.7803, m/z 691.3938
L OS G30 P160811 220811-s1.03322.03322.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



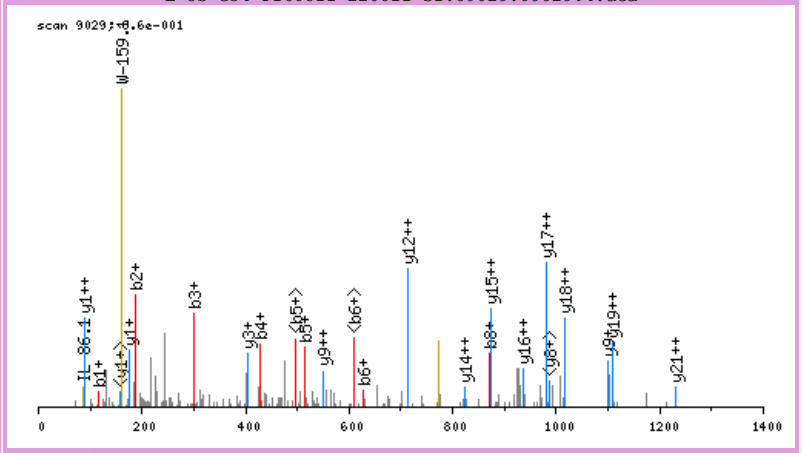
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
187.1082	2	A	13	1266.7170	633.8624
300.1923	3	L	12	1195.6799	598.3439
397.2451	4	P	11	1082.5958	541.8018
468.2822	5	A	10	985.5431	493.2754
596.3408	6	Q	9	914.5060	457.7569
683.3728	7	S	8	786.4474	393.7276
754.4099	8	A	7	699.4153	350.2116
825.4470	9	A	6	628.3782	314.6930
926.4947	10	T	5	557.3411	279.1745
1039.5788	11	L	4	456.2934	228.6506
1136.6315	12	P	3	343.2094	172.1086
1207.6686	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

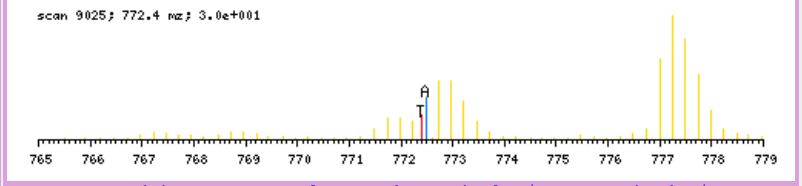
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SALQSINEWASQTTDGKLPEVTKDVER, MH+ 3086.6010, m/z 772.4057
L OS G34 P160811 220811-s1.09029.09029.4.dta



click image to zoom in; click top corners to zoom out [precursor]



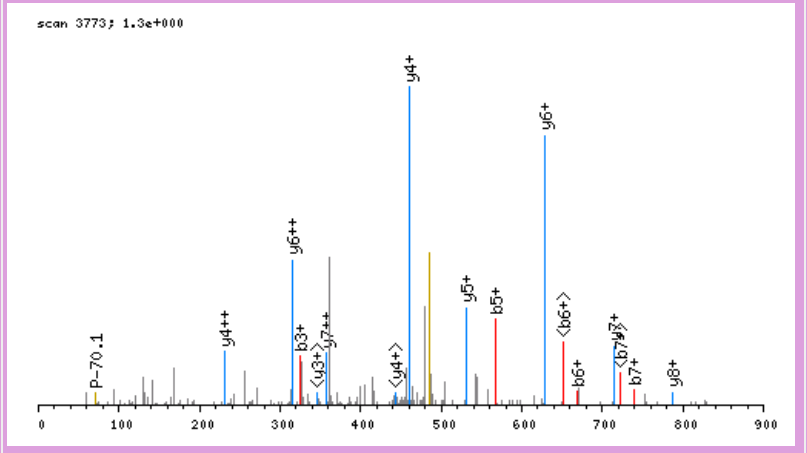
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**27**		
187.1082	**2**	**A**	**26**	2971.5377	1486.2728
300.1923	**3**	**L**	**25**	2900.5006	1450.7542
428.2509	**4**	**Q**	**24**	2787.4166	1394.2122
515.2829	**5**	**S**	**23**	2659.3580	1330.1829
628.3670	**6**	**I**	**22**	2572.3259	1286.6669
742.4099	**7**	**N**	**21**	2459.2419	**1230.1249**
871.4525	**8**	**E**	**20**	2345.1990	1173.1034
1057.5318	**9**	**W**	**19**	2216.1564	**1108.5821**
1128.5689	**10**	**A**	**18**	2030.0770	**1015.5424**
1215.6010	**11**	**S**	**17**	1959.0399	**980.0239**
1343.6595	**12**	**Q**	**16**	1872.0079	**936.5079**
1444.7072	**13**	**T**	**15**	1743.9493	**872.4786**
1545.7549	**14**	**T**	**14**	1642.9016	**821.9547**
1660.7818	**15**	**D**	**13**	1541.8540	771.4309
1717.8033	**16**	**G**	**12**	1426.8270	**713.9174**
1873.9296	**17**	**K**	**11**	1369.8056	685.4067
1987.0137	**18**	**L**	**10**	1213.6793	607.3435
2084.0664	**19**	**P**	**9**	**1100.5952**	**550.8015**
2213.1090	**20**	**E**	**8**	1003.5424	502.2751
2312.1774	**21**	**V**	**7**	874.4998	437.7538
2413.2251	**22**	**T**	**6**	775.4314	388.2196
2569.3514	**23**	**K**	**5**	674.3838	337.6958
2684.3783	**24**	**D**	**4**	518.2575	259.6326
2783.4468	**25**	**V**	**3**	**403.2305**	202.1192
2912.4894	**26**	**E**	**2**	304.1621	152.5850
	27	**R**	**1**	**175.1195**	**88.0637**

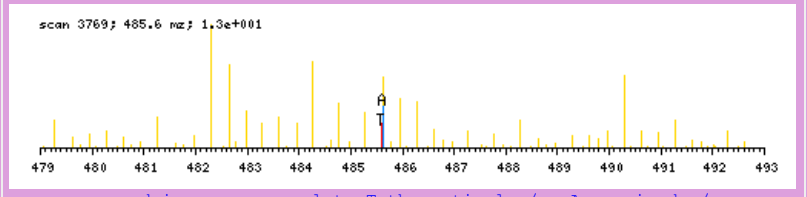
N-term:+29.04 K(17):+156.13
K(23):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAMPFTASPAPSTR, MH+ 1454.7525, m/z 485.5890
H OS G30 P160811 220811-s1.03773.03773.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



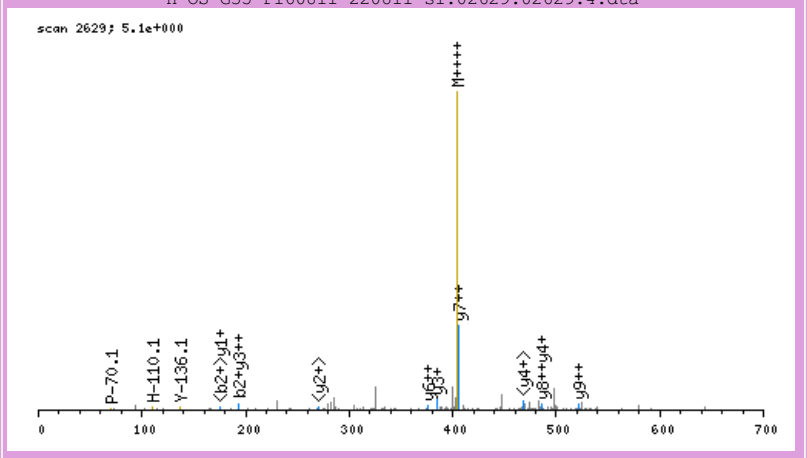
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
193.1400	2	A	13	1333.6574	667.3326
324.1805	3	M	12	1262.6203	631.8141
421.2333	4	P	11	1131.5798	566.2938
568.3017	5	F	10	1034.5271	517.7675
669.3494	6	T	9	887.4587	444.2332
740.3865	7	A	8	**786.4110**	393.7094
827.4185	8	S	7	**715.3739**	**358.1909**
924.4713	9	P	6	**628.3418**	**314.6748**
995.5084	10	A	5	**531.2891**	266.1485
1092.5612	11	P	4	**460.2520**	**230.6299**
1179.5932	12	S	3	363.1992	182.1035
1280.6409	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

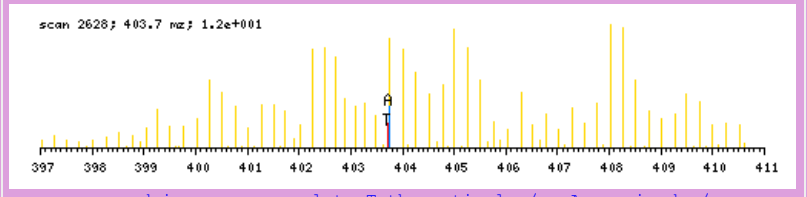
N-term:+35.07

SAPAAHAYGHETPLR, MH+ 1611.8455, m/z 403.7168
H OS G35 P160811 220811-s1.02629.02629.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]

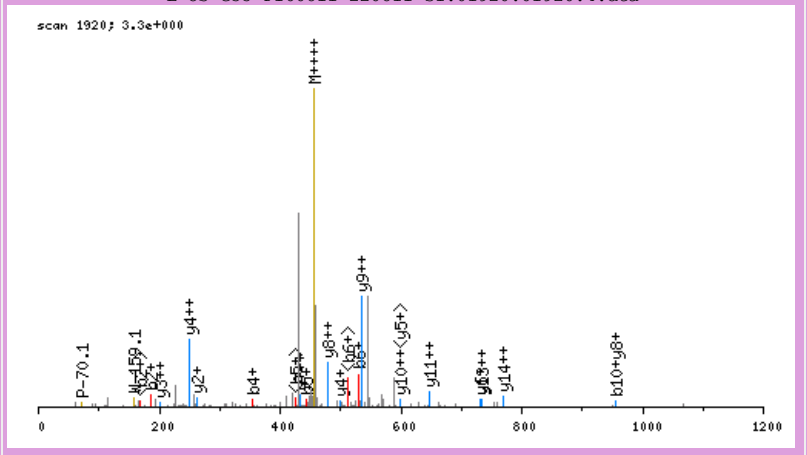


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

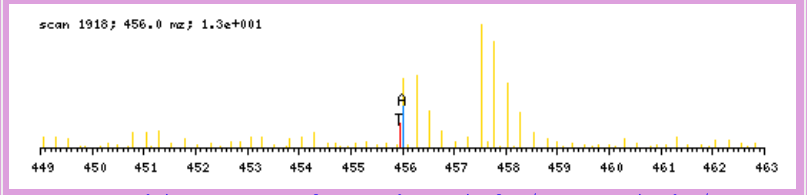
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
193.1400	2	A	14	1490.7504	745.8791
290.1928	3	P	13	1419.7133	710.3606
361.2299	4	A	12	1322.6606	661.8342
432.2670	5	A	11	1251.6234	626.3156
569.3259	6	H	10	1180.5863	590.7971
640.3631	7	A	9	1043.5274	**522.2676**
803.4264	8	Y	8	972.4903	**486.7491**
860.4479	9	G	7	809.4270	**405.2174**
997.5068	10	H	6	752.4055	**376.7067**
1126.5494	11	E	5	615.3466	308.1772
1227.5970	12	T	4	**486.3040**	243.6559
1324.6498	13	P	3	**385.2563**	**193.1321**
1437.7339	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

N-term:+35.07

SAPASSPQLSHDDTHSR, MH+ 1820.8527, m/z 455.9686
L OS G35 P160811 220811-s1.01920.01920.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

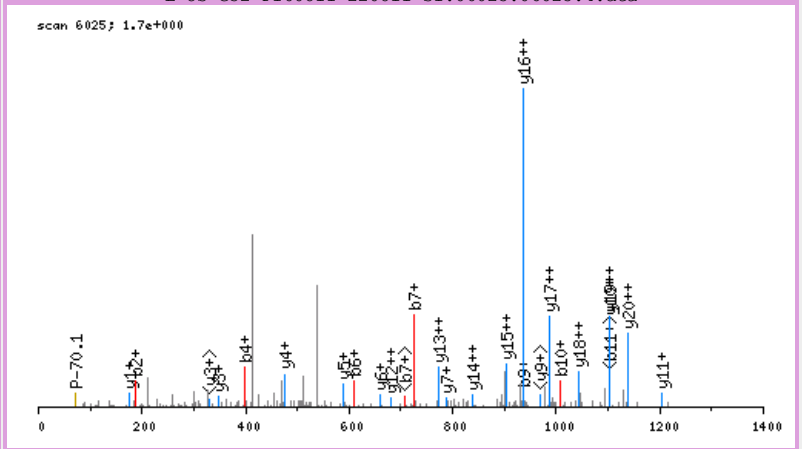
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
187.1082	2	A	16	1705.7894	853.3986
284.1610	3	P	15	1634.7523	817.8801
355.1981	4	A	14	1537.6995	**769.3537**
442.2301	5	S	13	1466.6624	**733.8351**
529.2622	6	S	12	1379.6304	690.3191
626.3149	7	P	11	1292.5984	**646.8031**
754.3735	8	Q	10	1195.5456	**598.2767**
867.4576	9	L	9	1067.4870	**534.2474**
954.4896	10	S	8	**954.4029**	**477.7054**
1091.5485	11	H	7	867.3709	**434.1894**
1206.5755	12	D	6	**730.3120**	365.6599
1321.6024	13	D	5	615.2851	308.1464
1422.6501	14	T	4	**500.2581**	**250.6330**
1559.7090	15	H	3	399.2104	**200.1091**
1646.7410	16	S	2	**262.1515**	131.5797
	17	R	1	175.1195	88.0637

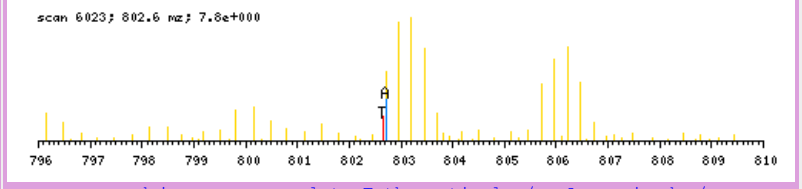
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAPNPDDPLANDVAEQWKTNEAQAIETAR, MH+ 3207.5558, m/z 802.6444
L OS G32 P160811 220811-s1.06025.06025.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



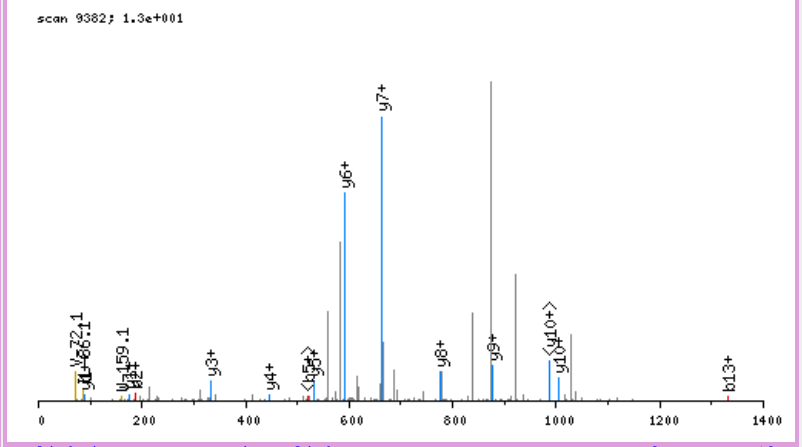
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	29		
187.1082	2	A	28	3092.4925	1546.7502
284.1610	3	P	27	3021.4554	1511.2316
398.2039	4	N	26	2924.4027	1462.7052
495.2567	5	P	25	2810.3597	1405.6838
610.2836	6	D	24	2713.3070	1357.1574
725.3106	7	D	23	2598.2800	1299.6439
822.3633	8	P	22	2483.2531	1242.1305
935.4474	9	L	21	2386.2003	1193.6041
1006.4845	10	A	20	2273.1163	**1137.0620**
1120.5275	11	N	19	2202.0791	**1101.5435**
1235.5544	12	D	18	2088.0362	**1044.5220**
1334.6228	13	V	17	1973.0093	**987.0085**
1405.6599	14	A	16	1873.9409	**937.4743**
1534.7025	15	E	15	1802.9037	**901.9558**
1662.7611	16	Q	14	1673.8611	**837.4345**
1848.8404	17	W	13	1545.8026	**773.4052**
2004.9667	18	K	12	1359.7233	**680.3655**
2106.0144	19	T	11	**1203.5970**	602.3024
2220.0573	20	N	10	**1102.5493**	551.7786
2349.0999	21	E	9	988.5063	494.7571
2420.1370	22	A	8	859.4638	430.2358
2548.1956	23	Q	7	**788.4266**	394.7172
2619.2327	24	A	6	**660.3681**	330.6879
2732.3168	25	I	5	**589.3310**	295.1694
2861.3594	26	E	4	**476.2469**	238.6274
2962.4070	27	T	3	**347.2043**	174.1061
3033.4442	28	A	2	246.1566	123.5822
	29	R	1	**175.1195**	88.0637

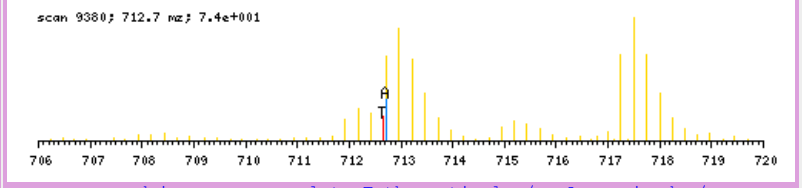
N-term:+29.04 K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAPPKLASLKGVVPEDAVETLAGSLGTR, MH+ 2847.6196, m/z 712.6604
L OS G34 P160811 220811-s1.09382.09382.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



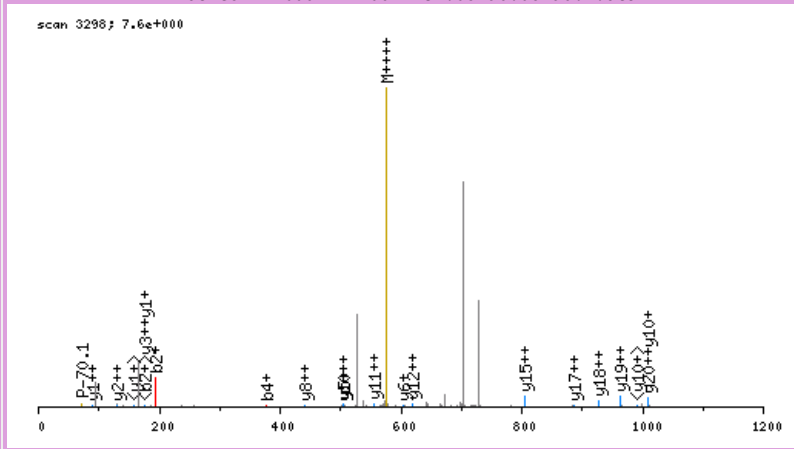
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	28		
187.1082	2	A	27	2732.5563	1366.7821
284.1610	3	P	26	2661.5192	1331.2635
381.2138	4	P	25	2564.4664	1282.7371
537.3401	5	K	24	2467.4136	1234.2107
650.4241	6	L	23	2311.2873	1156.1476
721.4612	7	A	22	2198.2033	1099.6055
808.4933	8	S	21	2127.1662	1064.0870
921.5773	9	L	20	2040.1341	1020.5710
1077.7036	10	K	19	1927.0501	964.0289
1134.7251	11	G	18	1770.9238	885.9658
1233.7935	12	V	17	1713.9023	857.4551
1332.8619	13	V	16	1614.8339	807.9209
1429.9147	14	P	15	1515.7655	758.3867
1558.9573	15	E	14	1418.7127	709.8603
1673.9842	16	D	13	1289.6701	645.3390
1745.0213	17	A	12	1174.6432	587.8255
1844.0898	18	V	11	1103.6061	552.3069
1973.1324	19	E	10	1004.5376	502.7727
2074.1800	20	T	9	875.4951	438.2514
2187.2641	21	L	8	774.4474	387.7276
2258.3012	22	A	7	661.3633	331.1856
2315.3227	23	G	6	590.3262	295.6670
2402.3547	24	S	5	533.3047	267.1563
2515.4388	25	L	4	446.2727	223.6403
2572.4602	26	G	3	333.1886	167.0982
2673.5079	27	T	2	276.1672	138.5875
	28	R	1	175.1195	88.0637

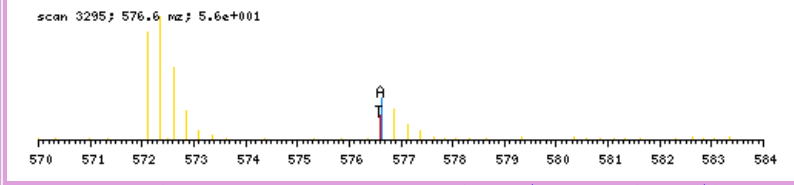
N-term:+29.04 K(5):+156.13
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAPSASGTPNKETAGLKVGVSSR, MH+ 2303.3419, m/z 576.5909
H OS G34 P160811 220811-s1.03298.03298.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



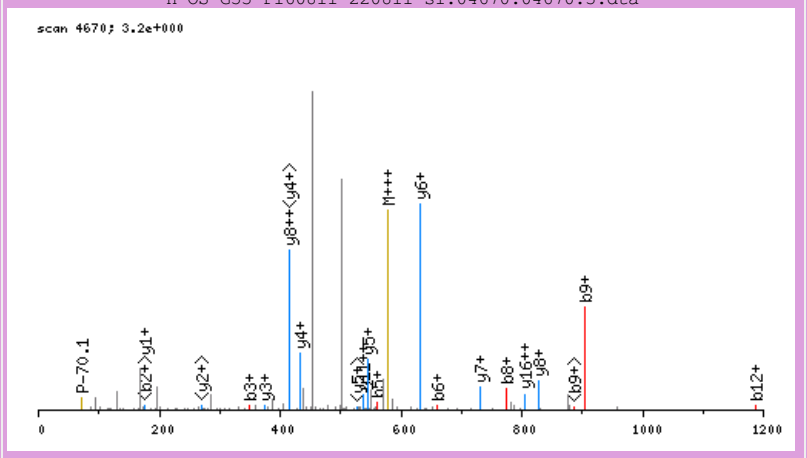
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	23		
193.1400	2	A	22	2182.2468	1091.6273
290.1928	3	P	21	2111.2097	1056.1088
377.2248	4	S	20	2014.1570	**1007.5824**
448.2619	5	A	19	1927.1249	**964.0664**
535.2940	6	S	18	1856.0878	**928.5478**
592.3154	7	G	17	1769.0558	**885.0318**
693.3631	8	T	16	1712.0343	856.5211
790.4159	9	P	15	1610.9867	**805.9972**
904.4588	10	N	14	1513.9339	757.4709
1066.6169	11	K	13	1399.8910	700.4494
1195.6595	12	E	12	1237.7329	**619.3703**
1296.7072	13	T	11	1108.6903	**554.8490**
1367.7443	14	A	10	**1007.6426**	**504.3252**
1424.7658	15	G	9	936.6055	468.8067
1537.8498	16	L	8	879.5840	**440.2959**
1700.0079	17	K	7	766.4999	383.7539
1799.0763	18	V	6	**604.3418**	302.6748
1856.0978	19	G	5	**505.2734**	253.1406
1955.1662	20	V	4	448.2520	224.6299
2042.1982	21	S	3	349.1836	**175.0957**
2129.2303	22	S	2	262.1515	**131.5797**
	23	R	1	**175.1195**	**88.0637**

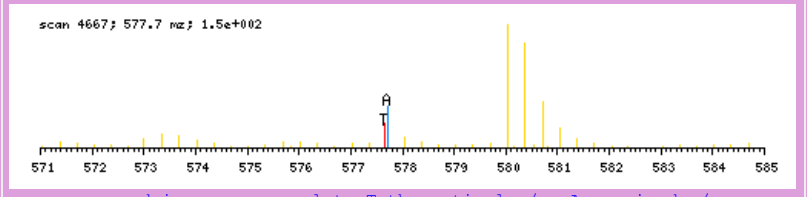
N-term:+35.07 K(11):+162.16
K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SARPLTGGEPVSLGSLR, MH+ 1730.9977, m/z 577.6707
H_OS_G33_P160811_220811-s1.04670.04670.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



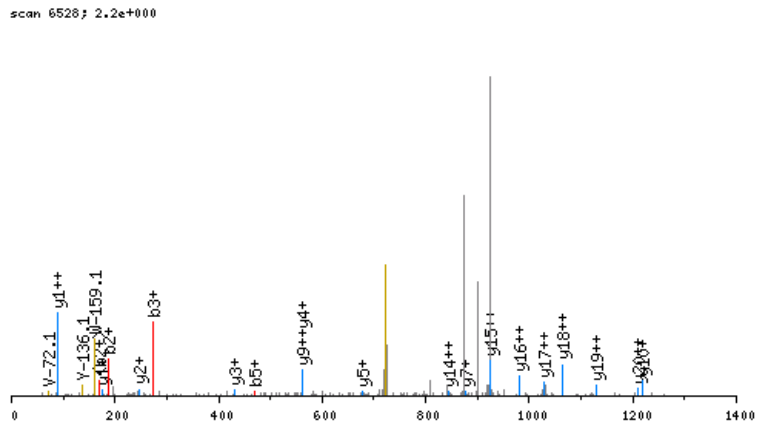
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
193.1400	2	A	16	1609.9026	**805.4552**
349.2412	3	R	15	1538.8655	769.9366
446.2939	4	P	14	1382.7644	691.8861
559.3780	5	L	13	1285.7116	643.3597
660.4257	6	T	12	1172.6275	586.8177
717.4471	7	G	11	1071.5798	**536.2938**
774.4686	8	G	10	1014.5584	507.7831
903.5112	9	E	9	957.5369	479.2724
1000.5639	10	P	8	**828.4943**	**414.7511**
1099.6324	11	V	7	**731.4416**	366.2247
1186.6644	12	S	6	**632.3731**	316.6905
1299.7485	13	L	5	**545.3411**	273.1745
1356.7699	14	G	4	**432.2571**	216.6324
1443.8019	15	S	3	**375.2356**	188.1217
1556.8860	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

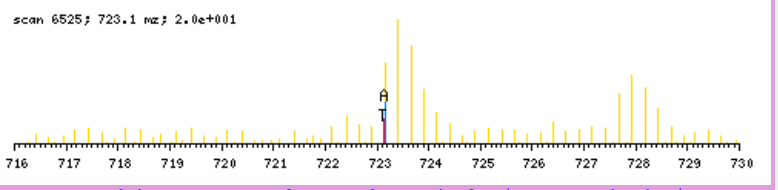
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SASPVYQAVIKTQSKPEDEADEWAR, MH+ 2889.4635, m/z 723.1213
L OS G34 P160811 220811-s1.06528.06528.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



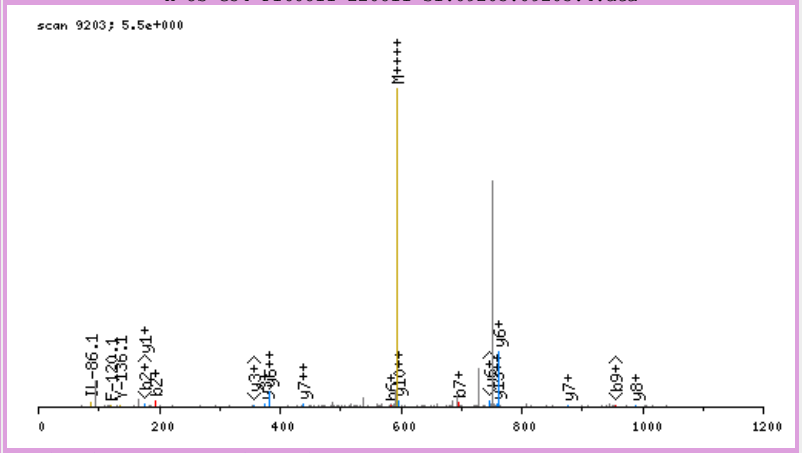
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	25		
187.1082	2	A	24	2774.4002	1387.7040
274.1403	3	S	23	2703.3631	1352.1854
371.1930	4	P	22	2616.3310	1308.6694
470.2614	5	V	21	2519.2783	1260.1430
633.3248	6	Y	20	2420.2099	**1210.6088**
761.3834	7	Q	19	2257.1465	**1129.0772**
832.4205	8	A	18	2129.0879	**1065.0479**
931.4889	9	V	17	2058.0508	**1029.5293**
1044.5729	10	I	16	1958.9824	**979.9951**
1200.6992	11	K	15	1845.8984	**923.4531**
1301.7469	12	T	14	1689.7721	**845.3899**
1429.8055	13	Q	13	1588.7244	794.8661
1516.8375	14	S	12	1460.6658	730.8368
1672.9638	15	K	11	1373.6338	687.3208
1770.0166	16	P	10	**1217.5075**	609.2576
1899.0592	17	E	9	1120.4547	**560.7313**
2014.0861	18	D	8	991.4121	496.2100
2143.1287	19	E	7	**876.3852**	438.6965
2214.1658	20	A	6	747.3426	374.1752
2329.1928	21	D	5	**676.3055**	338.6566
2458.2354	22	E	4	**561.2785**	281.1432
2644.3147	23	W	3	**432.2359**	216.6219
2715.3518	24	A	2	**246.1566**	123.5822
	25	R	1	**175.1195**	**88.0637**

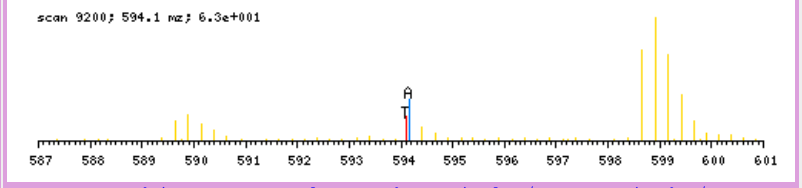
N-term:+29.04 K(11):+156.13
K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SASSTNLKDVLSNLIPKEQAR, MH+ 2373.4202, m/z 594.1105
H OS G34 P160811 220811-s1.09203.09203.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



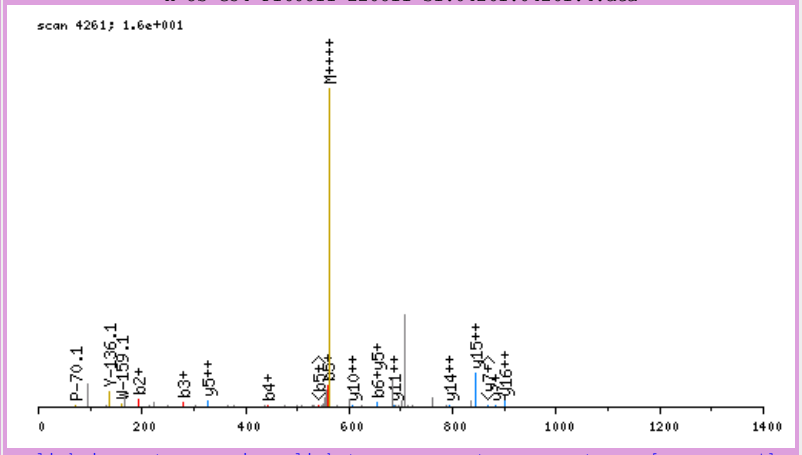
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
193.1400	2	A	20	2252.3251	1126.6665
280.1721	3	S	19	2181.2880	1091.1479
367.2041	4	S	18	2094.2560	1047.6319
468.2518	5	T	17	2007.2239	1004.1159
582.2947	6	N	16	1906.1762	953.5920
695.3788	7	L	15	1792.1333	896.5706
857.5369	8	K	14	1679.0493	840.0285
972.5638	9	D	13	1516.8912	**758.9495**
1071.6322	10	V	12	1401.8642	701.4360
1184.7163	11	L	11	1302.7958	651.9018
1271.7483	12	S	10	1189.7117	**595.3598**
1385.7912	13	N	9	1102.6797	551.8438
1498.8753	14	L	8	**988.6368**	494.8223
1611.9594	15	I	7	**875.5527**	**438.2803**
1709.0121	16	P	6	**762.4686**	**381.7382**
1871.1702	17	K	5	665.4159	333.2119
2000.2128	18	E	4	503.2578	252.1328
2128.2714	19	Q	3	**374.2152**	187.6115
2199.3085	20	A	2	246.1566	123.5822
	21	R	1	**175.1195**	88.0637

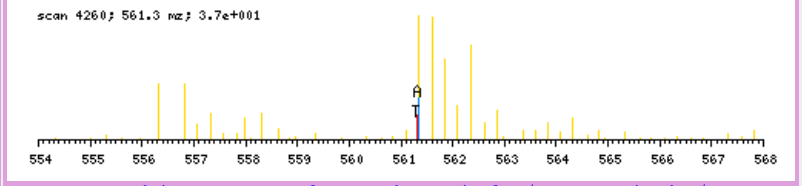
N-term:+35.07 K(8):+162.16
K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SASYDPGSAKTILNNGKTCR, MH+ 2242.2350, m/z 561.3142
H OS G34 P160811 220811-s1.04261.04261.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



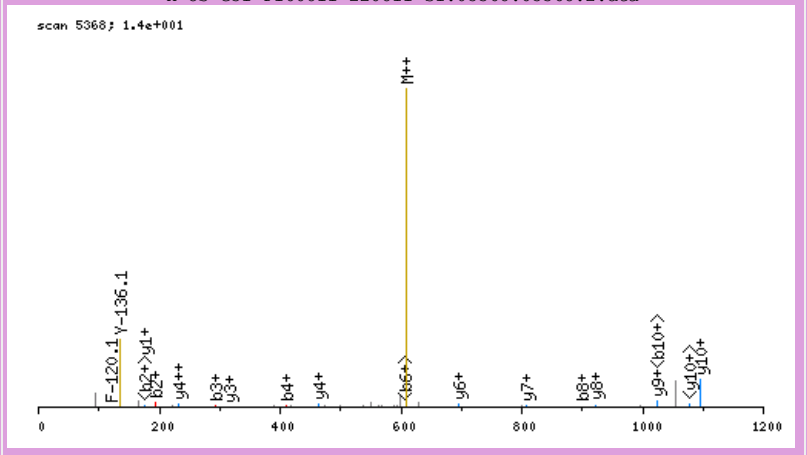
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
193.1400	2	A	19	2121.1399	1061.0739
280.1721	3	S	18	2050.1028	1025.5553
443.2354	4	Y	17	1963.0707	982.0393
558.2623	5	D	16	1800.0074	**900.5076**
655.3151	6	P	15	1684.9805	**842.9941**
712.3366	7	G	14	1587.9277	**794.4678**
799.3686	8	S	13	1530.9062	765.9570
870.4057	9	A	12	1443.8742	722.4410
1032.5638	10	K	11	1372.8371	**686.9225**
1133.6115	11	T	10	1210.6790	**605.8434**
1246.6956	12	I	9	1109.6313	555.3196
1359.7796	13	L	8	996.5473	498.7775
1473.8225	14	N	7	**883.4632**	442.2355
1587.8655	15	N	6	769.4203	385.2140
1644.8869	16	G	5	**655.3773**	**328.1926**
1807.0450	17	K	4	598.3559	299.6819
1908.0927	18	T	3	436.1978	218.6028
2068.1233	19	C	2	335.1501	168.0790
	20	R	1	175.1195	88.0637

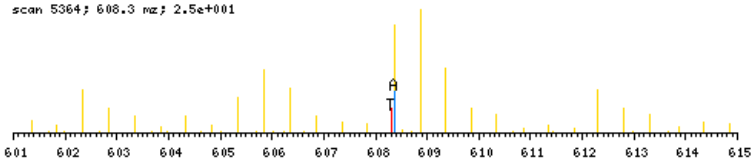
N-term:+35.07 K(10):+162.16
K(17):+162.16 C(19):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SATDLTEFAAR, MH+ 1215.6433, m/z 608.3253
H OS G31 P160811 220811-s1.05368.05368.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

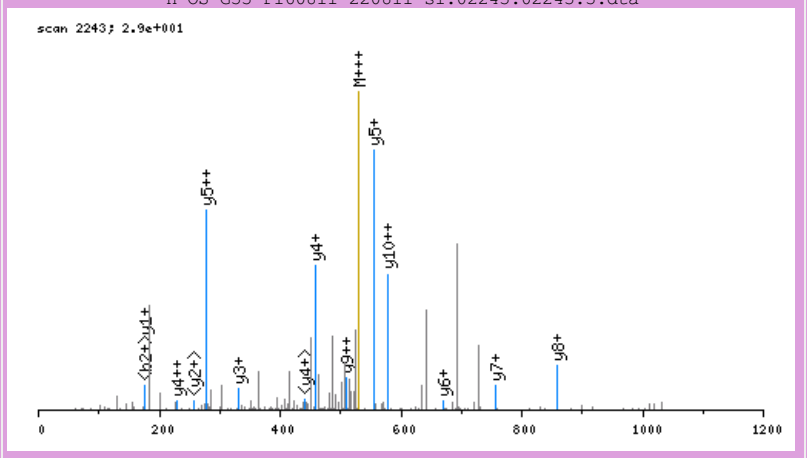


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

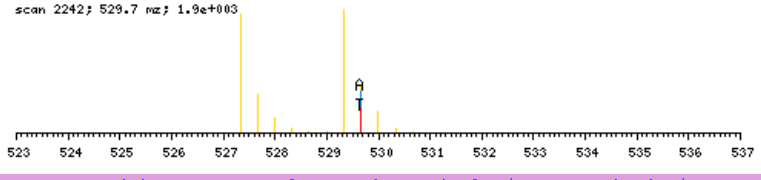
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
193.1400	2	A	10	**1094.5482**	547.7780
294.1877	3	T	9	**1023.5111**	512.2595
409.2147	4	D	8	**922.4634**	461.7356
522.2987	5	L	7	**807.4365**	404.2222
623.3464	6	T	6	**694.3524**	347.6801
752.3890	7	E	5	593.3047	297.1563
899.4574	8	F	4	**464.2621**	**232.6350**
970.4945	9	A	3	**317.1937**	159.1008
1041.5316	10	A	2	246.1566	123.5822
	11	R	1	**175.1195**	88.0637

N-term:+35.07

SATHHKTSLPQGVR, MH+ 1586.9403, m/z 529.6516
H OS G33 P160811 220811-s1.02243.02243.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

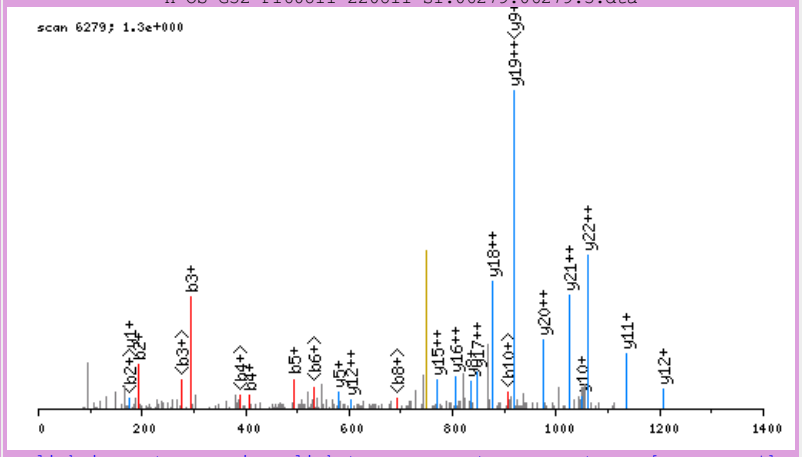
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
193.1400	2	A	13	1465.8452	733.4265
294.1877	3	T	12	1394.8081	697.9080
431.2466	4	H	11	1293.7604	647.3841
568.3055	5	H	10	1156.7015	**578.8547**
730.4636	6	K	9	1019.6426	**510.3252**
831.5113	7	T	8	**857.4845**	429.2462
918.5434	8	S	7	**756.4368**	378.7223
1031.6274	9	L	6	**669.4048**	335.2063
1128.6802	10	P	5	**556.3207**	**278.6643**
1256.7388	11	Q	4	**459.2680**	**230.1379**
1313.7602	12	G	3	**331.2094**	166.1086
1412.8286	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

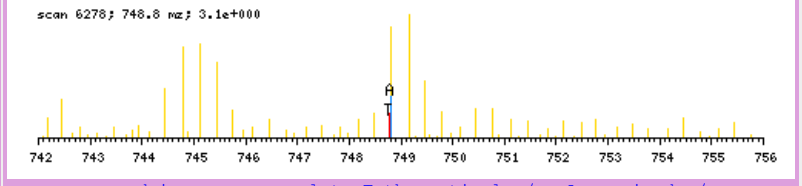
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SATISGSATNLASLTAALAKGDR, MH+ 2244.2836, m/z 748.7660
H OS G32 P160811 220811-s1.06279.06279.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



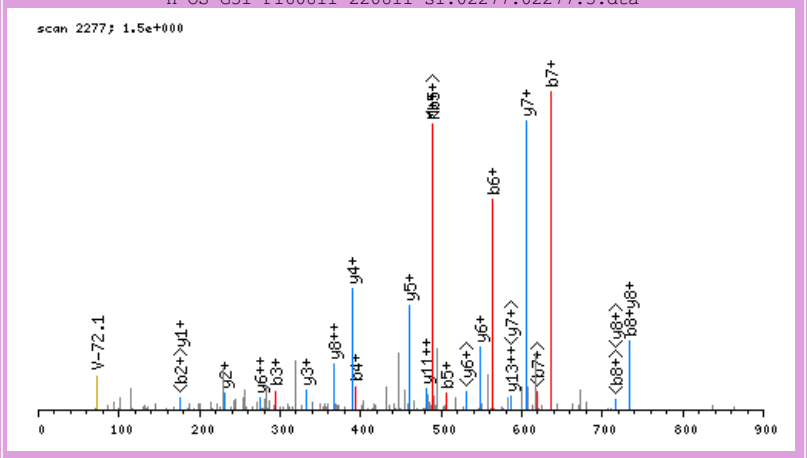
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	23		
193.1400	2	A	22	2123.1885	**1062.0981**
294.1877	3	T	21	2052.1513	**1026.5796**
407.2718	4	I	20	1951.1037	**976.0557**
494.3038	5	S	19	1838.0196	**919.5137**
551.3253	6	G	18	1750.9876	**875.9977**
638.3573	7	S	17	1693.9661	**847.4870**
709.3944	8	A	16	1606.9341	**803.9710**
810.4421	9	T	15	1535.8970	**768.4524**
924.4850	10	N	14	1434.8493	717.9286
1037.5691	11	L	13	1320.8064	660.9071
1108.6062	12	A	12	**1207.7223**	**604.3651**
1195.6382	13	S	11	**1136.6852**	568.8465
1308.7223	14	L	10	**1049.6532**	525.3305
1409.7700	15	T	9	936.5691	468.7885
1480.8071	16	A	8	**835.5214**	418.2646
1551.8442	17	A	7	764.4843	382.7461
1664.9283	18	L	6	693.4472	347.2275
1735.9654	19	A	5	**580.3631**	290.6855
1898.1235	20	K	4	509.3260	255.1669
1955.1449	21	G	3	347.1679	174.0879
2070.1719	22	D	2	290.1464	145.5771
	23	R	1	**175.1195**	88.0637

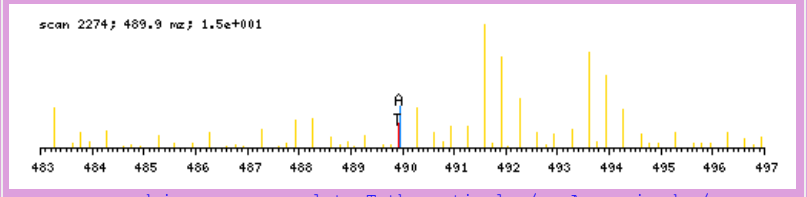
N-term:+35.07 K(20):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SATVNGAVEGSAGTGR, MH+ 1467.7615, m/z 489.9254
H OS G31 P160811 220811-s1.02277.02277.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



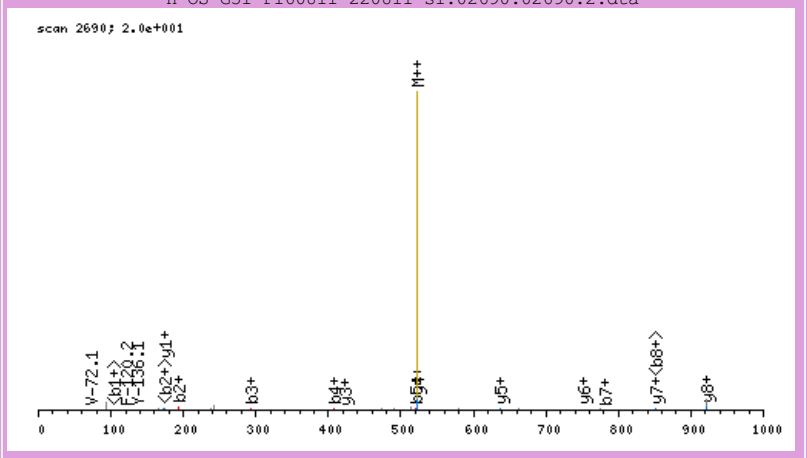
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
193.1400	2	A	15	1346.6664	673.8371
294.1877	3	T	14	1275.6293	638.3186
393.2561	4	V	13	1174.5816	**587.7947**
507.2991	5	N	12	1075.5132	538.2605
564.3205	6	G	11	961.4703	**481.2391**
635.3576	7	A	10	904.4488	452.7283
734.4261	8	V	9	833.4117	417.2098
863.4686	9	E	8	**734.3433**	**367.6756**
920.4901	10	G	7	**605.3007**	303.1543
1007.5221	11	S	6	**548.2792**	**274.6435**
1078.5593	12	A	5	**461.2472**	231.1275
1135.5807	13	G	4	**390.2101**	195.6090
1236.6284	14	T	3	**333.1886**	167.0982
1293.6499	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

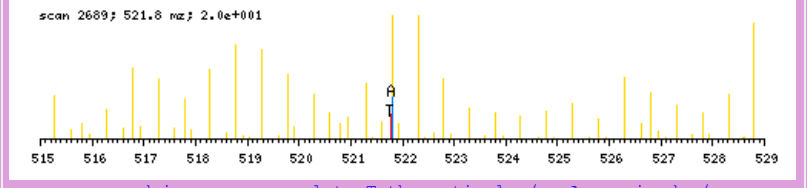
N-term:+35.07

SAVDLTCSR, MH+ 1042.5414, m/z 521.7744
H_OS_G31_P160811_220811-s1.02690.02690.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



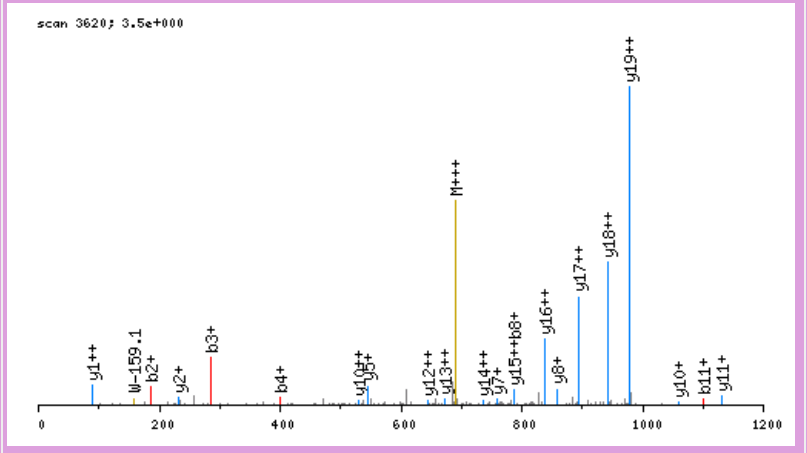
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	9		
193.1400	2	A	8	921.4463	461.2271
292.2085	3	V	7	850.4092	425.7085
407.2354	4	D	6	751.3408	376.1743
520.3195	5	L	5	636.3139	318.6608
621.3671	6	T	4	523.2298	262.1188
781.3977	7	C	3	422.1821	211.5950
868.4298	8	S	2	262.1515	131.5797
	9	R	1	175.1195	88.0637

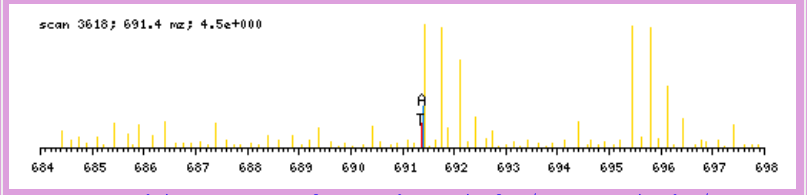
N-term:+35.07 C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAVLTTQGKASDVLVQGEGR, MH+ 2072.1352, m/z 691.3832
L OS G32 P160811 220811-s1.03620.03620.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

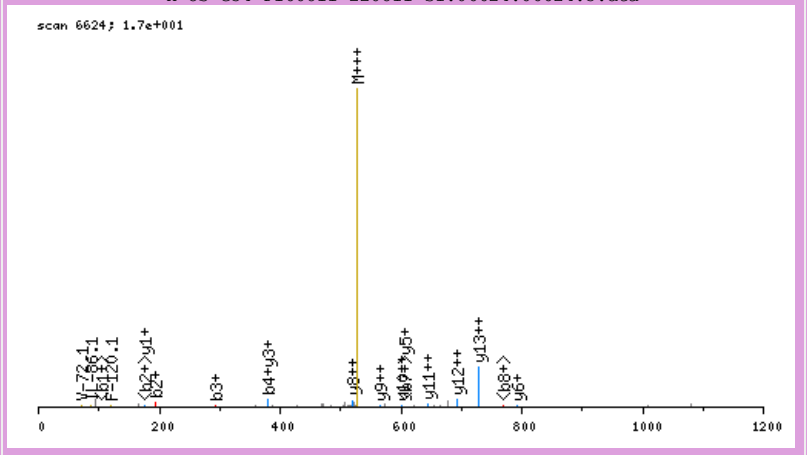


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

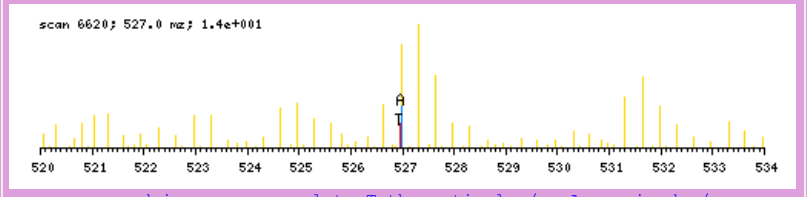
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
187.1082	2	A	19	1957.0719	979.0398
286.1767	3	V	18	1886.0348	943.5213
399.2607	4	L	17	1786.9663	893.9871
500.3084	5	T	16	1673.8823	837.4450
601.3561	6	T	15	1572.8346	786.9212
729.4147	7	Q	14	1471.7869	736.3974
786.4361	8	G	13	1343.7283	672.3681
942.5624	9	K	12	1286.7069	643.8574
1013.5995	10	A	11	1130.5806	565.7942
1100.6316	11	S	10	1059.5435	530.2756
1215.6585	12	D	9	972.5114	486.7596
1314.7269	13	V	8	857.4845	429.2462
1427.8110	14	L	7	758.4161	379.7120
1526.8794	15	V	6	645.3320	323.1699
1654.9380	16	Q	5	546.2636	273.6357
1711.9594	17	G	4	418.2050	209.6064
1841.0020	18	E	3	361.1836	181.0957
1898.0235	19	G	2	232.1410	116.5744
	20	R	1	175.1195	88.0637

N-term:+29.04 K(9):+156.13

SAVSASSKWLDGFR, MH+ 1578.8916, m/z 526.9687
H OS G34 P160811 220811-s1.06624.06624.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

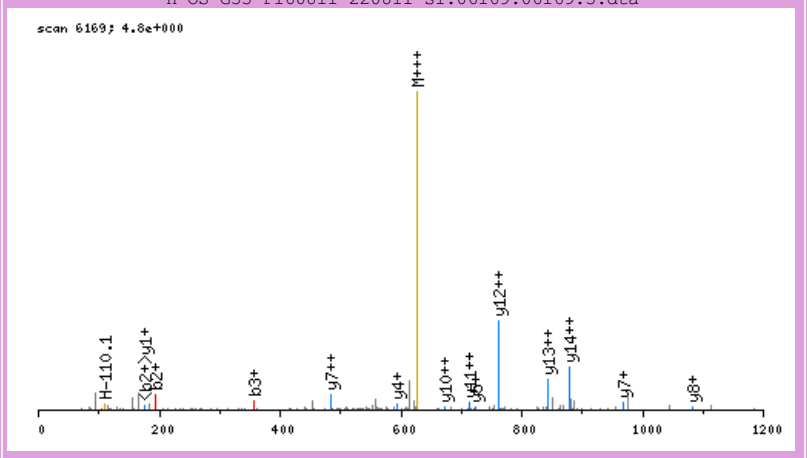
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
193.1400	2	A	13	1457.7965	729.4022
292.2085	3	V	12	1386.7594	693.8836
379.2405	4	S	11	1287.6910	644.3494
450.2776	5	A	10	1200.6590	600.8334
537.3096	6	S	9	1129.6219	565.3148
624.3417	7	S	8	1042.5898	521.7988
786.4998	8	K	7	955.5578	478.2828
972.5791	9	W	6	793.3997	397.2038
1085.6631	10	L	5	607.3204	304.1641
1200.6901	11	D	4	494.2363	247.6221
1257.7115	12	G	3	379.2094	190.1086
1404.7800	13	F	2	322.1879	161.5979
	14	R	1	175.1195	88.0637

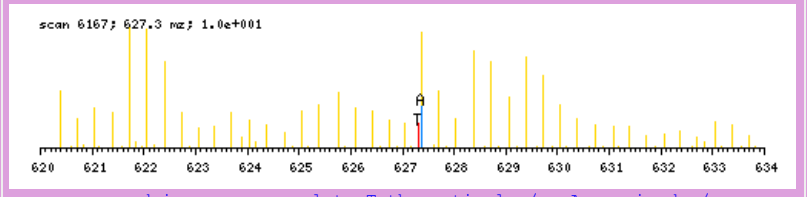
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAYPSEEDMIEWAKR, MH+ 1879.9536, m/z 627.3227
H OS G33 P160811 220811-s1.06169.06169.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



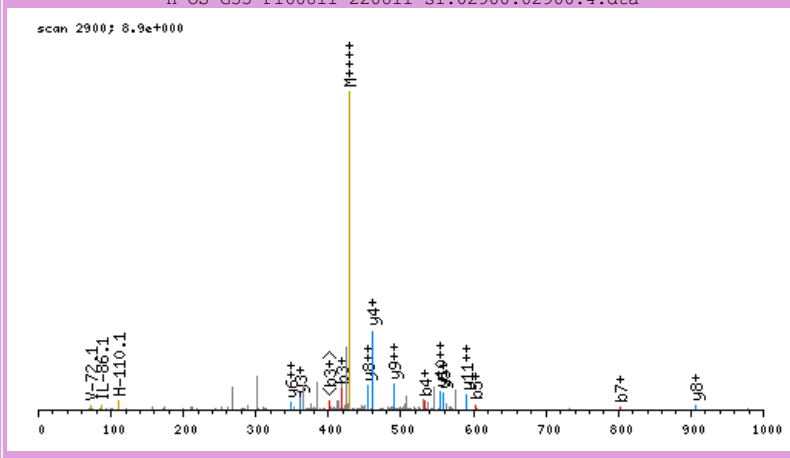
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
193.1400	2	A	14	1758.8585	**879.9332**
356.2034	3	Y	13	1687.8214	**844.4146**
453.2561	4	P	12	1524.7581	**762.8830**
540.2882	5	S	11	1427.7053	**714.3566**
669.3308	6	E	10	1340.6733	**670.8406**
798.3733	7	E	9	1211.6307	606.3193
913.4003	8	D	8	**1082.5881**	541.7980
1044.4408	9	M	7	**967.5612**	**484.2845**
1157.5248	10	I	6	836.5207	418.7643
1286.5674	11	E	5	**723.4366**	362.2222
1472.6467	12	W	4	**594.3940**	297.7009
1543.6839	13	A	3	408.3147	204.6613
1705.8420	14	K	2	337.2776	169.1427
	15	R	1	**175.1195**	88.0637

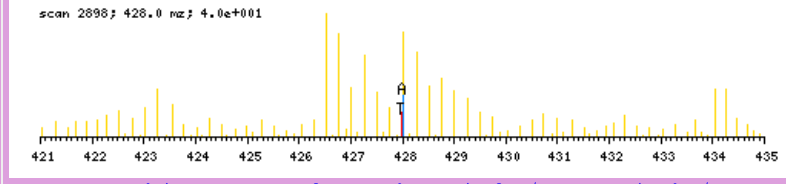
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SCHLAQAPNHVVVSR, MH+ 1708.9129, m/z 427.9837
H OS G35 P160811 220811-s1.02900.02900.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



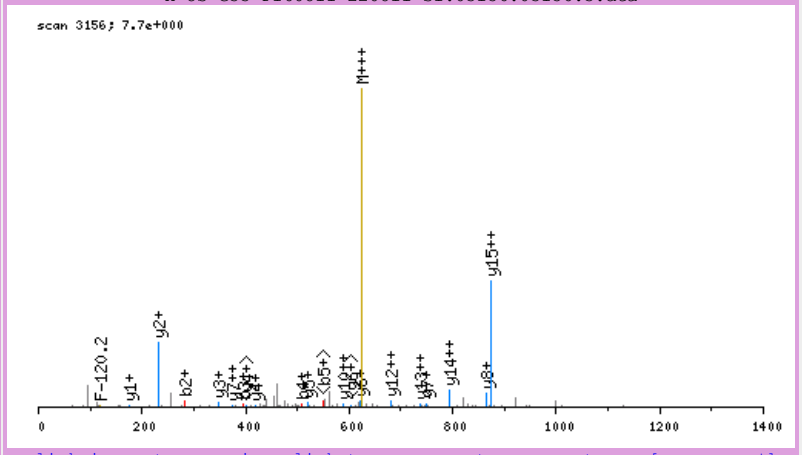
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
282.1335	2	C	14	1587.8178	794.4128
419.1924	3	H	13	1427.7872	714.3975
532.2765	4	L	12	1290.7282	645.8680
603.3136	5	A	11	1177.6442	**589.3260**
731.3722	6	Q	10	1106.6071	**553.8074**
802.4093	7	A	9	978.5485	**489.7782**
899.4621	8	P	8	**907.5114**	**454.2596**
1013.5050	9	N	7	810.4586	405.7332
1150.5639	10	H	6	696.4157	**348.7118**
1249.6323	11	V	5	**559.3568**	280.1823
1348.7007	12	V	4	**460.2884**	230.6481
1447.7692	13	V	3	**361.2199**	181.1139
1534.8012	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

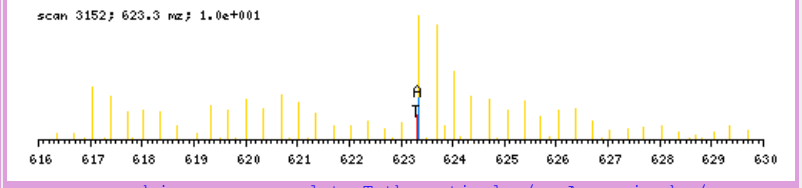
N-term:+35.07 C(2):+160.03

SCNLGEKFDETTADGR, MH+ 1867.9132, m/z 623.3092
H OS G33 P160811 220811-s1.03156.03156.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]

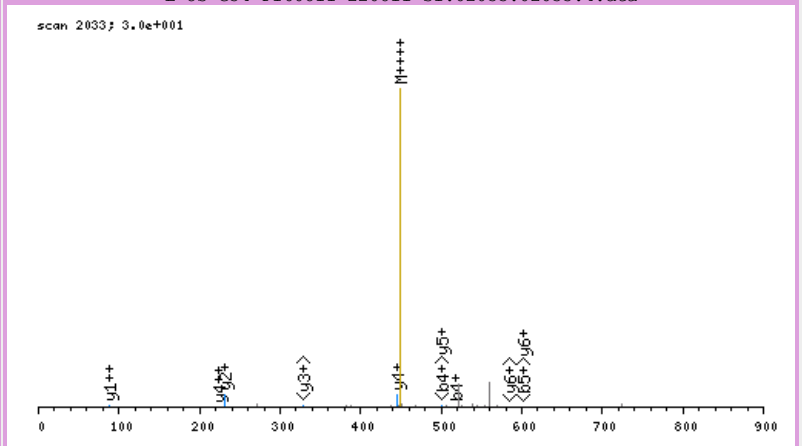


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

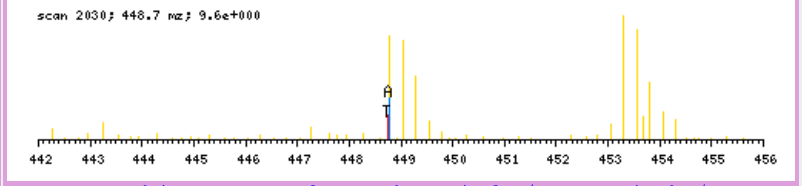
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
282.1335	2	C	15	1746.8181	**873.9130**
396.1765	3	N	14	1586.7875	**793.8977**
509.2605	4	L	13	1472.7445	**736.8762**
566.2820	5	G	12	1359.6605	**680.3342**
695.3246	6	E	11	1302.6390	651.8234
857.4827	7	K	10	1173.5964	**587.3021**
1004.5511	8	F	9	1011.4383	506.2231
1119.5780	9	D	8	**864.3699**	432.6889
1248.6206	10	E	7	**749.3430**	**375.1754**
1349.6683	11	T	6	**620.3004**	310.6541
1450.7160	12	T	5	**519.2527**	260.1303
1521.7531	13	A	4	**418.2050**	209.6064
1636.7800	14	D	3	**347.1679**	174.0879
1693.8015	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

N-term:+35.07 C(2):+160.03
K(7):+162.16

SCSKTITKTVTGPDGR, MH+ 1791.9639, m/z 448.7464
L OS G34 P160811 220811-s1.02033.02033.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

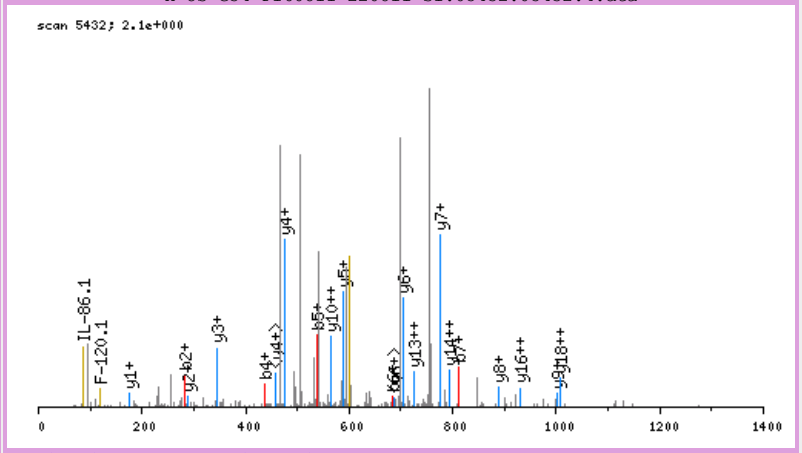
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
276.1017	2	C	15	1676.9006	838.9542
363.1338	3	S	14	1516.8700	758.9389
519.2601	4	K	13	1429.8379	715.4229
620.3077	5	T	12	1273.7116	637.3597
733.3918	6	I	11	1172.6639	586.8359
834.4395	7	T	10	1059.5799	530.2939
990.5658	8	K	9	958.5322	479.7700
1091.6135	9	T	8	802.4059	401.7069
1190.6819	10	V	7	701.3582	351.1830
1291.7295	11	T	6	**602.2898**	301.6488
1348.7510	12	G	5	**501.2421**	251.1250
1445.8038	13	P	4	**444.2207**	**222.6142**
1560.8307	14	D	3	347.1679	174.0879
1617.8522	15	G	2	**232.1410**	116.5744
	16	R	1	175.1195	**88.0637**

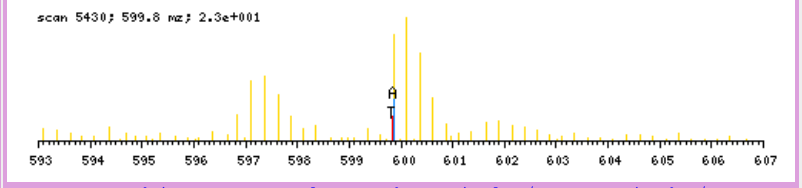
N-term:+29.04 C(2):+160.03
K(4):+156.13 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SCVGVFQHGKVEIIANDQGNR, MH+ 2396.2781, m/z 599.8250
H OS G34 P160811 220811-s1.05432.05432.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



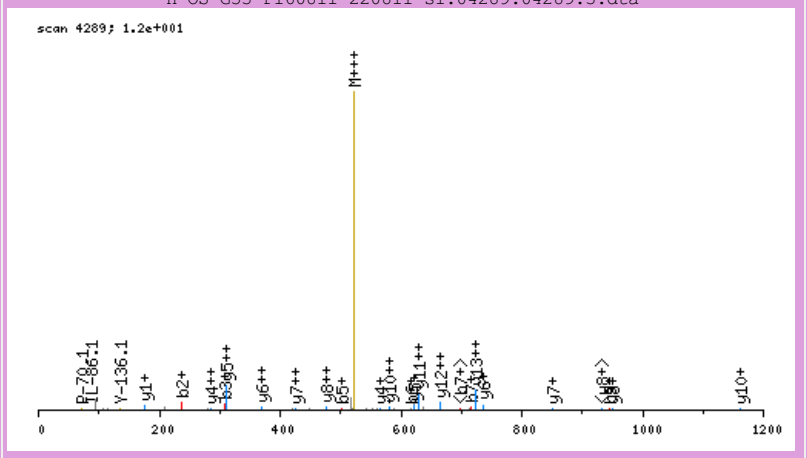
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
282.1335	2	C	20	2275.1829	1138.0954
381.2019	3	V	19	2115.1523	1058.0801
438.2234	4	G	18	2016.0839	**1008.5459**
537.2918	5	V	17	1959.0625	980.0351
684.3602	6	F	16	1859.9941	**930.5009**
812.4188	7	Q	15	1712.9256	856.9667
949.4777	8	H	14	1584.8671	**792.9374**
1006.4992	9	G	13	1447.8082	**724.4080**
1168.6573	10	K	12	1390.7867	695.8973
1267.7257	11	V	11	1228.6286	614.8182
1396.7683	12	E	10	1129.5602	**565.2840**
1509.8524	13	I	9	**1000.5176**	500.7627
1622.9364	14	I	8	**887.4335**	444.2207
1693.9735	15	A	7	**774.3495**	387.6786
1808.0165	16	N	6	**703.3123**	352.1601
1923.0434	17	D	5	**589.2694**	295.1386
2051.1020	18	Q	4	**474.2425**	237.6251
2108.1234	19	G	3	**346.1839**	173.5959
2222.1664	20	N	2	**289.1624**	145.0851
	21	R	1	**175.1195**	88.0637

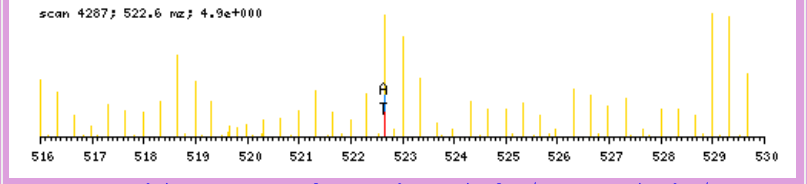
N-term:+35.07 C(2):+160.03
K(10):+162.16

SDAPPLTLDGIKDR, MH+ 1565.9175, m/z 522.6440
H OS G33 P160811 220811-s1.04289.04289.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



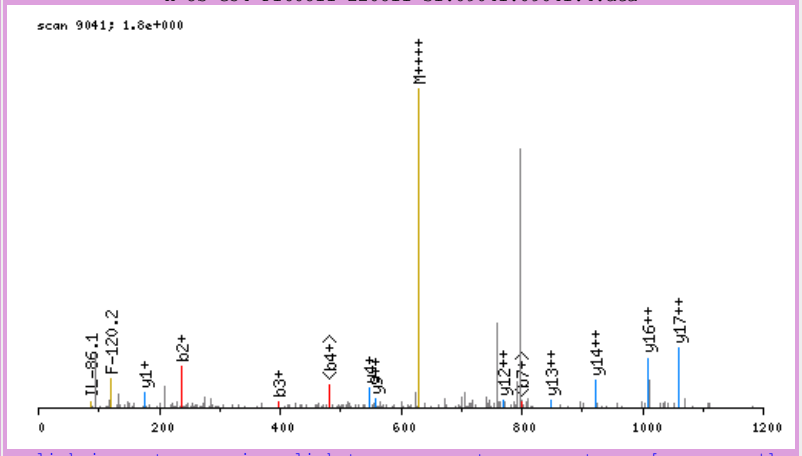
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
237.1299	2	D	13	1444.8224	722.9151
308.1670	3	A	12	1329.7955	665.4016
405.2197	4	P	11	1258.7583	629.8831
502.2725	5	P	10	1161.7056	581.3567
615.3566	6	L	9	1064.6528	532.8303
716.4043	7	T	8	951.5688	476.2883
829.4883	8	L	7	850.5211	425.7645
944.5153	9	D	6	737.4370	369.2224
1001.5367	10	G	5	622.4101	311.7089
1114.6208	11	I	4	565.3886	283.1982
1276.7789	12	K	3	452.3045	226.6562
1391.8058	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

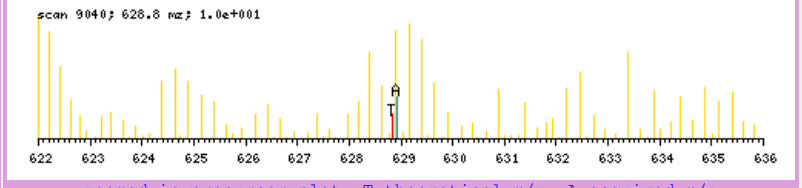
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDCTGNFCLFKSTTKDLLFR, MH+ 2512.3428, m/z 628.8412
H OS G34 P160811 220811-s1.09041.09041.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



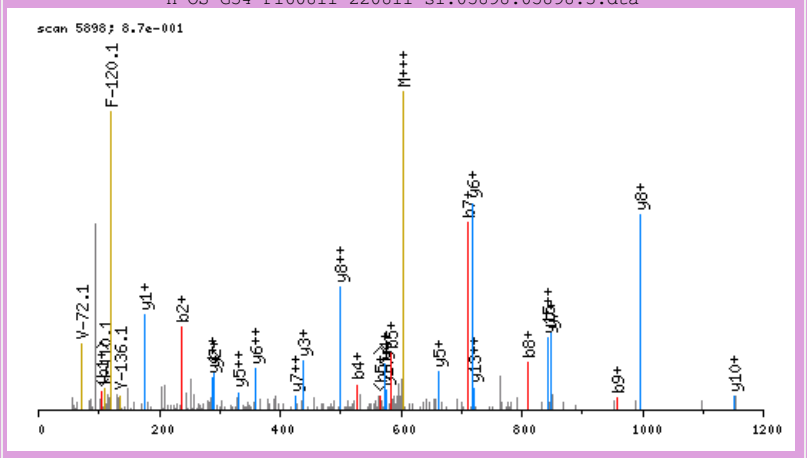
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
237.1299	2	D	19	2391.2477	1196.1278
397.1605	3	C	18	2276.2207	1138.6143
498.2082	4	T	17	2116.1901	1058.5990
555.2296	5	G	16	2015.1425	1008.0751
669.2725	6	N	15	1958.1210	979.5644
816.3410	7	F	14	1844.0781	922.5429
976.3716	8	C	13	1697.0096	849.0087
1089.4556	9	L	12	1536.9790	768.9934
1236.5240	10	F	11	1423.8950	712.4514
1398.6821	11	K	10	1276.8266	638.9172
1485.7142	12	S	9	1114.6685	557.8381
1586.7618	13	T	8	1027.6364	514.3221
1687.8095	14	T	7	926.5888	463.7983
1849.9676	15	K	6	825.5411	413.2745
1964.9946	16	D	5	663.3830	332.1954
2078.0786	17	L	4	548.3560	274.6819
2191.1627	18	L	3	435.2720	218.1399
2338.2311	19	F	2	322.1879	161.5979
	20	R	1	175.1195	88.0637

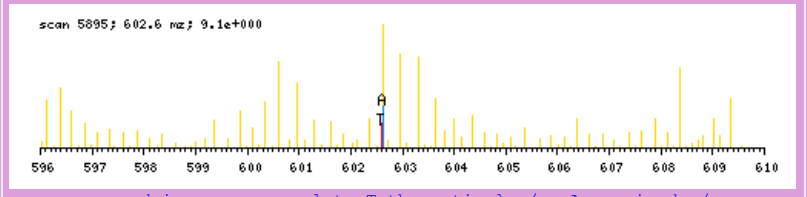
N-term:+35.07 C(3):+160.03
C(8):+160.03 K(11):+162.16
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDECGAGVFMGSHFDR, MH+ 1805.7799, m/z 602.5981
H OS G34 P160811 220811-s1.05898.05898.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

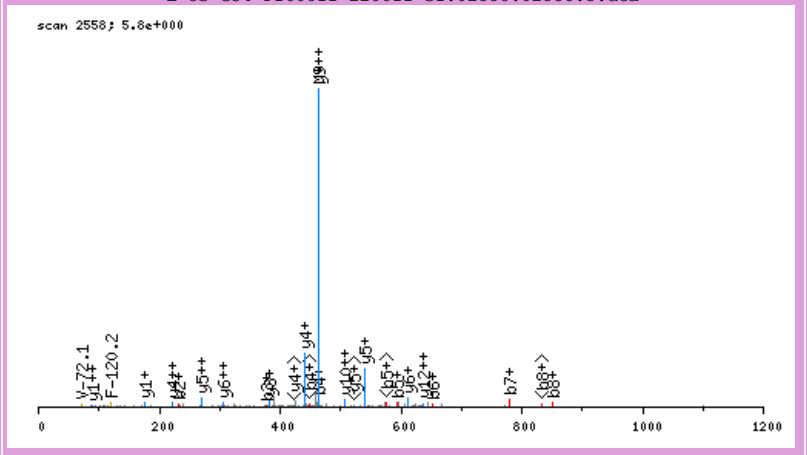


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

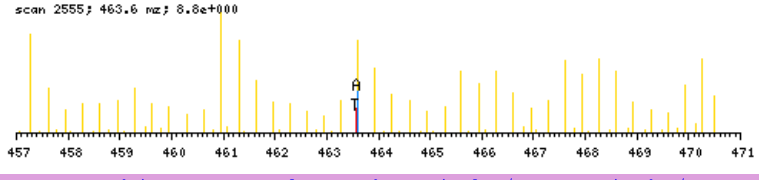
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
237.1299	2	D	15	1684.6848	**842.8463**
366.1725	3	E	14	1569.6578	785.3328
526.2031	4	C	13	1440.6152	**720.8115**
583.2245	5	G	12	1280.5846	640.7962
654.2616	6	A	11	1223.5632	612.2855
711.2831	7	G	10	**1152.5260**	**576.7669**
810.3515	8	V	9	1095.5046	548.2562
957.4199	9	F	8	**996.4362**	**498.7220**
1088.4604	10	M	7	**849.3677**	**425.1878**
1145.4819	11	G	6	**718.3273**	**359.6675**
1232.5139	12	S	5	**661.3058**	**331.1568**
1369.5728	13	H	4	**574.2738**	**287.6408**
1516.6412	14	F	3	**437.2149**	219.1113
1631.6682	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

N-term:+35.07 C(4):+160.03

SDFSEGQAVGAHR, MH+ 1388.6558, m/z 463.5568
L OS G34 P160811 220811-s1.02558.02558.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

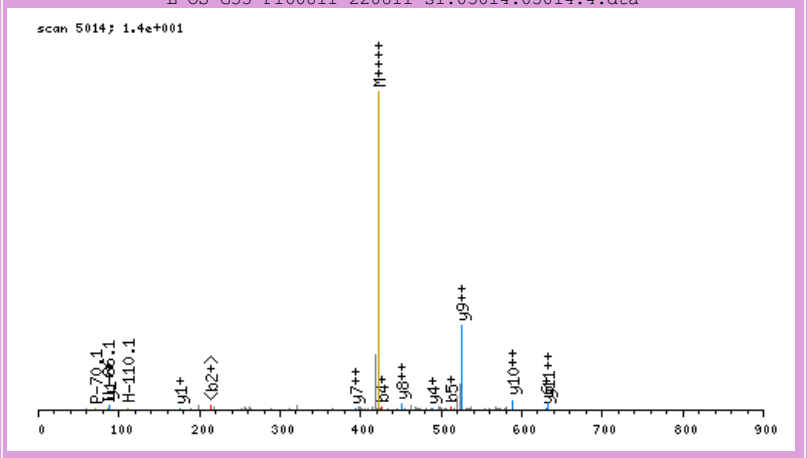
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
231.0981	2	D	12	1273.5925	637.3002
378.1665	3	F	11	1158.5656	579.7867
465.1985	4	S	10	1011.4972	506.2525
594.2411	5	E	9	924.4652	462.7365
651.2626	6	G	8	795.4226	398.2152
779.3211	7	Q	7	738.4011	369.7045
850.3583	8	A	6	610.3425	305.6752
949.4267	9	V	5	539.3054	270.1566
1006.4481	10	G	4	440.2370	220.6224
1077.4853	11	A	3	383.2155	192.1117
1214.5442	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

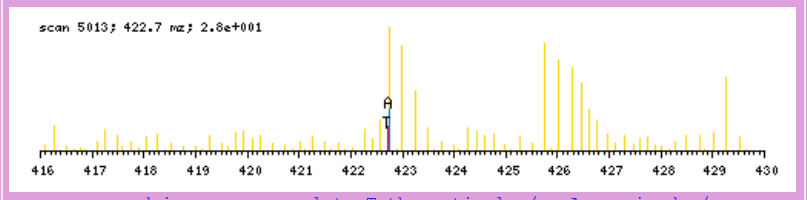
N-term:+29.04

SDGHSEFLKAASNLR, MH+ 1687.8768, m/z 422.7246
L OS G35 P160811 220811-s1.05014.05014.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



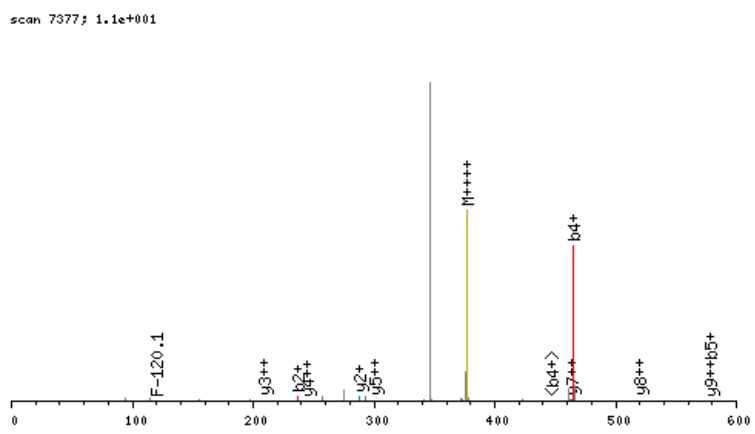
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
231.0981	2	D	14	1572.8135	786.9106
288.1195	3	G	13	1457.7865	729.3972
425.1784	4	H	12	1400.7651	700.8864
512.2105	5	S	11	1263.7061	**632.3570**
641.2531	6	E	10	1176.6741	**588.8410**
788.3215	7	F	9	1047.6315	**524.3197**
901.4055	8	L	8	900.5631	**450.7855**
1057.5318	9	K	7	787.4790	**394.2434**
1128.5690	10	A	6	**631.3527**	316.1803
1199.6061	11	A	5	560.3156	280.6617
1286.6381	12	S	4	**489.2785**	245.1432
1400.6810	13	N	3	402.2465	201.6272
1513.7651	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	**88.0637**

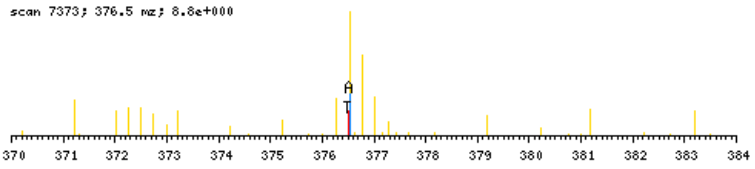
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDIDLKKLAEIR, MH+ 1503.0007, m/z 376.5056
H OS G35 P160811 220811-s1.07377.07377.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



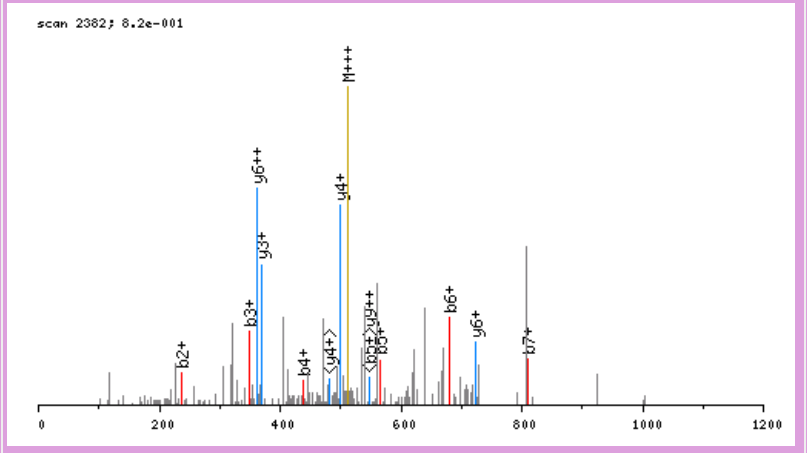
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
237.1299	2	D	11	1381.9055	691.4567
350.2139	3	I	10	1266.8786	633.9432
465.2409	4	D	9	1153.7945	**577.4012**
578.3249	5	L	8	1038.7676	**519.8877**
740.4830	6	K	7	925.6835	**463.3457**
902.6411	7	K	6	763.5254	382.2666
1015.7252	8	L	5	601.3673	**301.1876**
1086.7623	9	A	4	488.2833	**244.6455**
1215.8049	10	E	3	417.2462	**209.1270**
1328.8890	11	I	2	**288.2036**	144.6057
	12	R	1	175.1195	88.0637

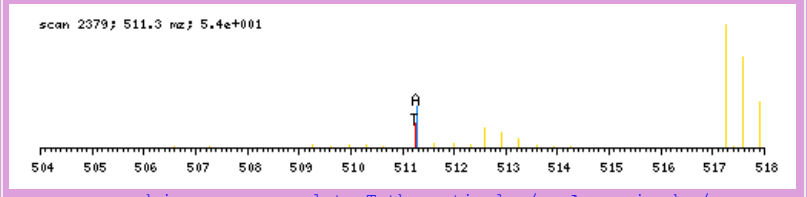
N-term:+35.07 K(6):+162.16
K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDISEDQPQEPPR, MH+ 1531.7452, m/z 511.2533
H OS G30 P160811 220811-s1.02382.02382.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



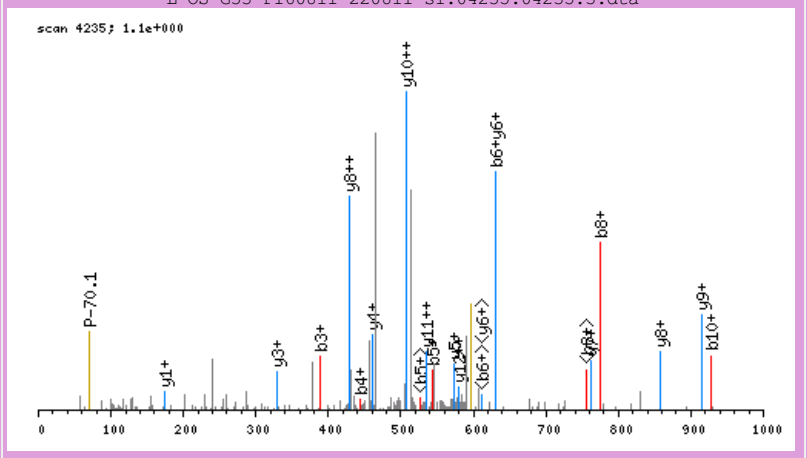
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
237.1299	2	D	12	1410.6501	705.8290
350.2139	3	I	11	1295.6232	648.3155
437.2460	4	S	10	1182.5391	591.7735
566.2886	5	E	9	1095.5071	**548.2575**
681.3155	6	D	8	966.4645	483.7362
809.3741	7	Q	7	851.4375	426.2227
906.4268	8	P	6	**723.3790**	**362.1934**
1034.4854	9	Q	5	626.3262	313.6670
1163.5280	10	E	4	**498.2676**	249.6377
1260.5808	11	P	3	**369.2250**	185.1164
1357.6335	12	P	2	272.1723	136.5900
	13	R	1	175.1195	88.0637

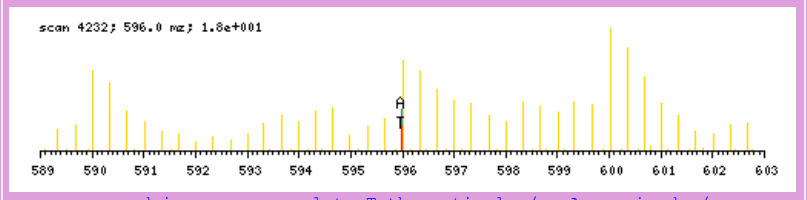
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDKGVSSGPGPMGLMGPR, MH+ 1785.8992, m/z 595.9712
L OS G33 P160811 220811-s1.04235.04235.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

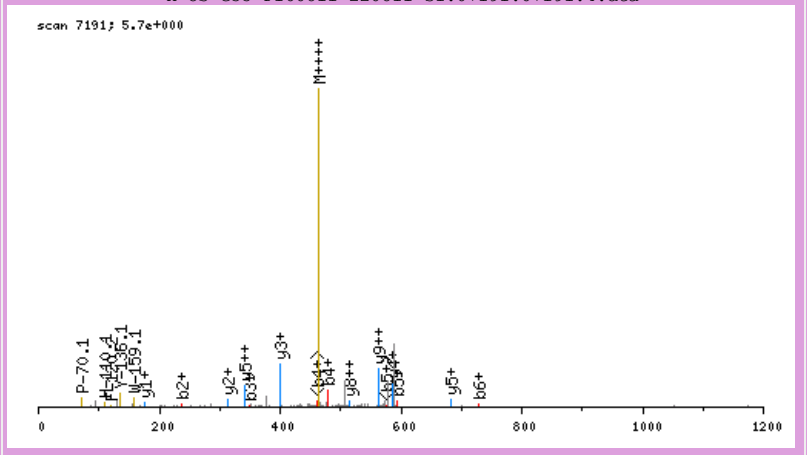


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

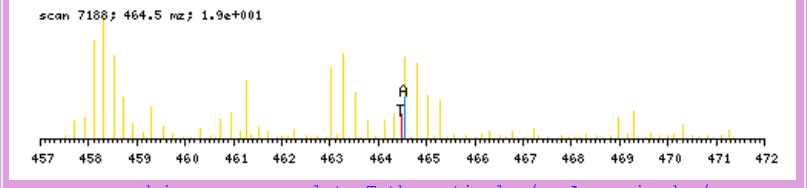
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
231.0981	2	D	17	1670.8359	835.9218
387.2244	3	K	16	1555.8089	778.4084
444.2458	4	G	15	1399.6826	700.3452
543.3142	5	V	14	1342.6612	671.8345
630.3463	6	S	13	1243.5927	622.3003
717.3783	7	S	12	1156.5607	**578.7843**
774.3998	8	G	11	1069.5287	**535.2683**
871.4525	9	P	10	1012.5072	**506.7575**
928.4740	10	G	9	**915.4545**	458.2311
1025.5268	11	P	8	**858.4330**	**429.7204**
1156.5672	12	M	7	**761.3802**	381.1940
1213.5887	13	G	6	**630.3397**	315.6738
1326.6728	14	L	5	**573.3183**	287.1631
1457.7133	15	M	4	**460.2342**	230.6210
1514.7347	16	G	3	**329.1937**	165.1008
1611.7875	17	P	2	272.1723	136.5900
	18	R	1	**175.1195**	88.0637

N-term:+29.04 K(3):+156.13

SDLELHPPSYPWSHR, MH+ 1854.9351, m/z 464.4892
H OS G35 P160811 220811-s1.07191.07191.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

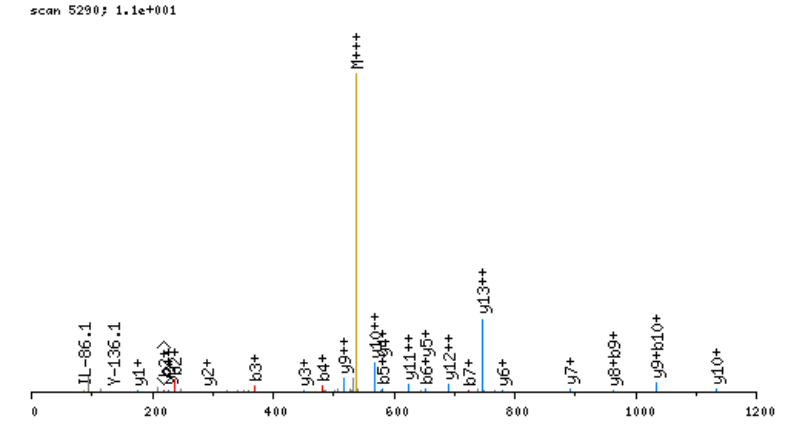
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
237.1299	2	D	14	1733.8400	867.4239
350.2139	3	L	13	1618.8130	809.9104
479.2565	4	E	12	1505.7290	753.3684
592.3406	5	L	11	1376.6864	688.8471
729.3995	6	H	10	1263.6023	632.3051
826.4523	7	P	9	1126.5434	**563.7756**
923.5050	8	P	8	1029.4906	**515.2492**
1010.5371	9	S	7	932.4379	466.7228
1173.6004	10	Y	6	845.4058	423.2068
1270.6532	11	P	5	**682.3425**	**341.6752**
1456.7325	12	W	4	**585.2898**	293.1488
1543.7645	13	S	3	**399.2104**	200.1091
1680.8234	14	H	2	**312.1784**	156.5931
	15	R	1	**175.1195**	88.0637

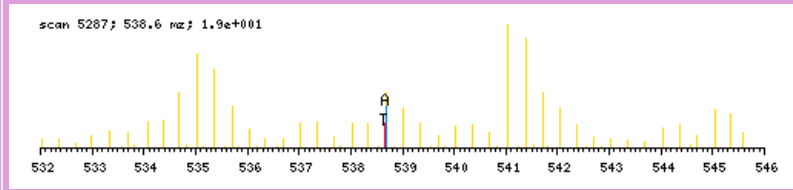
N-term:+35.07

SDMIVAAIQAEKNR, MH+ 1613.9321, m/z 538.6489
H_OS_G33_P160811_220811-s1.05290.05290.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



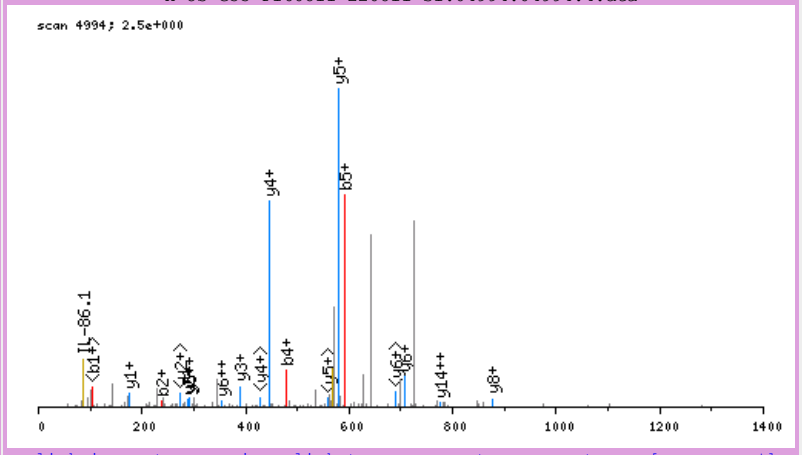
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
237.1299	2	D	13	1492.8370	746.9224
368.1704	3	M	12	1377.8101	689.4089
481.2544	4	I	11	1246.7696	623.8887
580.3228	5	V	10	1133.6855	567.3467
651.3599	6	A	9	1034.6171	517.8125
722.3971	7	A	8	963.5800	482.2939
835.4811	8	I	7	892.5429	446.7754
963.5397	9	Q	6	779.4588	390.2333
1034.5768	10	A	5	651.4002	326.2040
1163.6194	11	E	4	580.3631	290.6855
1325.7775	12	K	3	451.3205	226.1642
1439.8204	13	N	2	289.1624	145.0851
	14	R	1	175.1195	88.0637

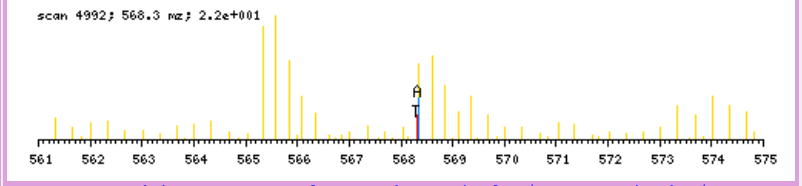
N-term:+35.07 K(12):+162.16

SDNQLQEGKNVIGLQMGTNR, MH+ 2270.2199, m/z 568.3104
H OS G33 P160811 220811-s1.04994.04994.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



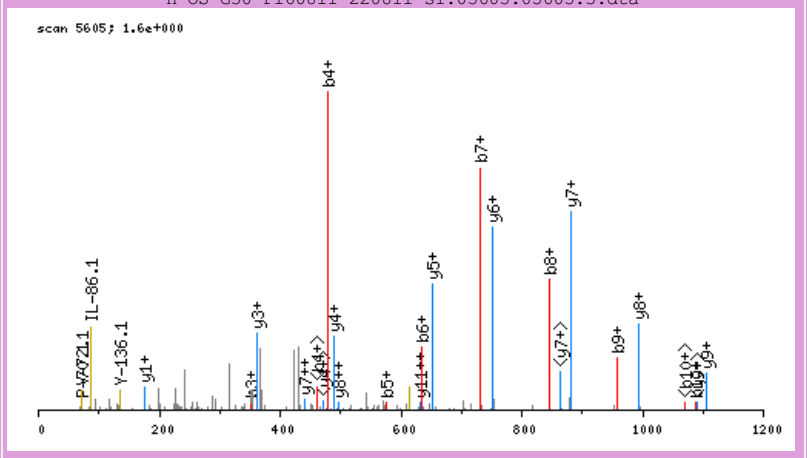
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
237.1299	2	D	19	2149.1248	1075.0663
351.1728	3	N	18	2034.0979	1017.5528
479.2314	4	Q	17	1920.0549	960.5314
592.3154	5	L	16	1791.9964	896.5021
720.3740	6	Q	15	1678.9123	839.9601
849.4166	7	E	14	1550.8537	**775.9308**
906.4381	8	G	13	1421.8111	711.4095
1068.5962	9	K	12	1364.7897	682.8987
1182.6391	10	N	11	1202.6316	601.8197
1281.7075	11	V	10	1088.5886	544.7982
1394.7916	12	I	9	989.5202	495.2640
1451.8130	13	G	8	**876.4362**	438.7220
1564.8971	14	L	7	819.4147	410.2113
1692.9557	15	Q	6	**706.3306**	**353.6692**
1823.9962	16	M	5	**578.2721**	**289.6399**
1881.0176	17	G	4	**447.2316**	224.1197
1982.0653	18	T	3	**390.2101**	195.6090
2096.1082	19	N	2	**289.1624**	145.0851
	20	R	1	**175.1195**	88.0637

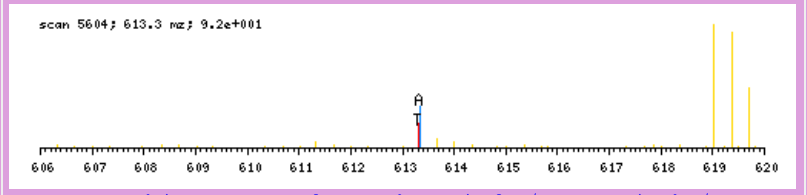
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SDNQPGVLIQVYEGER, MH+ 1837.9508, m/z 613.3218
H OS G30 P160811 220811-s1.05605.05605.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



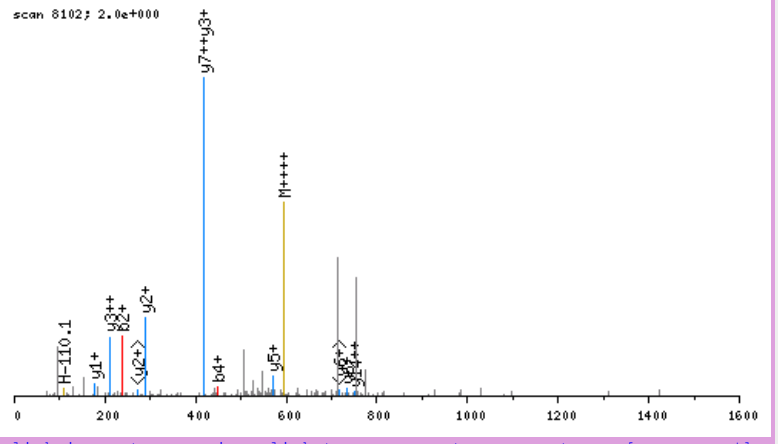
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
237.1299	2	D	15	1716.8557	858.9318
351.1728	3	N	14	1601.8287	801.4183
479.2314	4	Q	13	1487.7858	744.3968
576.2841	5	P	12	1359.7272	680.3675
633.3056	6	G	11	1262.6745	**631.8412**
732.3740	7	V	10	1205.6530	603.3304
845.4581	8	L	9	**1106.5846**	553.7962
958.5421	9	I	8	**993.5005**	**497.2542**
1086.6007	10	Q	7	**880.4165**	**440.7121**
1185.6691	11	V	6	**752.3579**	376.6829
1348.7325	12	Y	5	**653.2895**	327.1487
1477.7751	13	E	4	**490.2262**	245.6170
1534.7965	14	G	3	**361.1836**	181.0957
1663.8391	15	E	2	304.1621	152.5850
	16	R	1	**175.1195**	88.0637

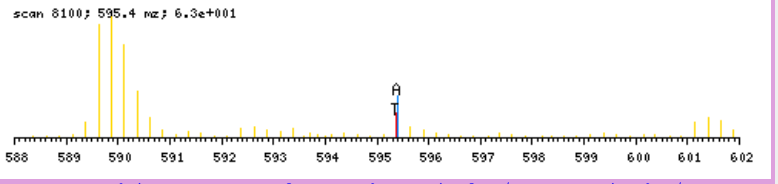
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SDPILYRPVAVALDTKGPEIR, MH+ 2378.4084, m/z 595.3575
H OS G34 P160811 220811-s1.08102.08102.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



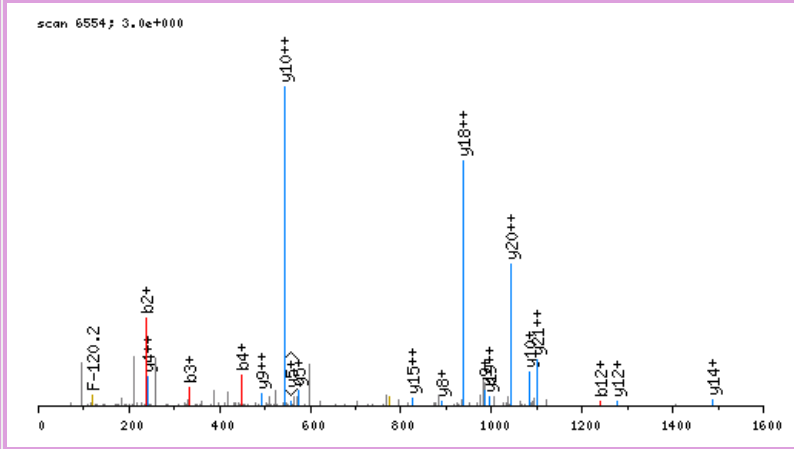
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
237.1299	2	D	20	2257.3133	1129.1605
334.1826	3	P	19	2142.2863	1071.6471
447.2667	4	I	18	2045.2336	1023.1207
560.3508	5	L	17	1932.1495	966.5787
723.4141	6	Y	16	1819.0654	910.0366
879.5152	7	R	15	1656.0021	828.5050
976.5680	8	P	14	1499.9010	**750.4544**
1075.6364	9	V	13	1402.8482	701.9280
1146.6735	10	A	12	1303.7798	652.3938
1245.7419	11	V	11	1232.7427	616.8753
1316.7790	12	A	10	1133.6743	567.3411
1429.8631	13	L	9	1062.6372	531.8225
1544.8900	14	D	8	949.5531	475.2805
1645.9377	15	T	7	834.5262	**417.7670**
1808.0958	16	K	6	**733.4785**	367.2432
1865.1173	17	G	5	**571.3204**	286.1641
1962.1700	18	P	4	514.2989	257.6534
2091.2126	19	E	3	**417.2462**	**209.1270**
2204.2967	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

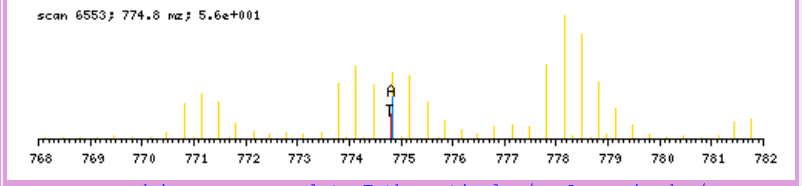
N-term:+35.07 K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDPIPGAKPLPVPPELAPFVGR, MH+ 2322.3862, m/z 774.8002
H OS G32 P160811 220811-s1.06554.06554.3.dta



click image to zoom in; click top corners to zoom out [precursor]



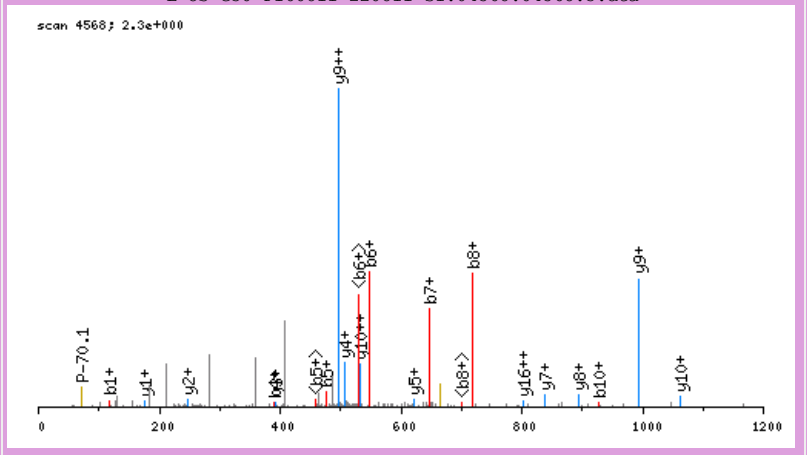
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	22		
237.1299	2	D	21	2201.2911	**1101.1494**
334.1826	3	P	20	2086.2641	**1043.6360**
447.2667	4	I	19	1989.2114	**995.1096**
544.3195	5	P	18	1876.1273	**938.5676**
601.3409	6	G	17	1779.0745	890.0412
672.3780	7	A	16	1722.0531	861.5304
834.5361	8	K	15	1651.0160	**826.0119**
931.5889	9	P	14	**1488.8579**	744.9328
1044.6730	10	L	13	1391.8051	696.4065
1141.7257	11	P	12	**1278.7210**	639.8644
1240.7941	12	V	11	1181.6683	591.3380
1337.8469	13	P	10	**1082.5999**	**541.8038**
1434.8997	14	P	9	**985.5471**	**493.2775**
1563.9423	15	E	8	**888.4943**	444.7511
1677.0263	16	L	7	759.4517	380.2298
1748.0634	17	A	6	646.3677	323.6877
1845.1162	18	P	5	**575.3306**	288.1692
1992.1846	19	F	4	478.2778	**239.6428**
2091.2530	20	V	3	331.2094	166.1086
2148.2745	21	G	2	232.1410	116.5744
	22	R	1	175.1195	88.0637

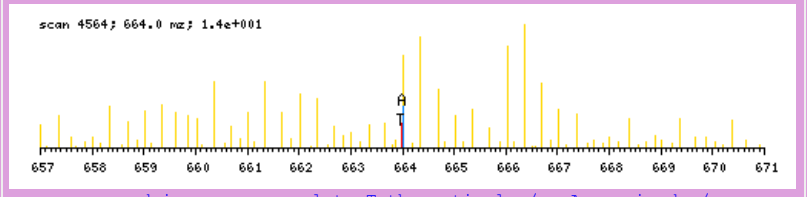
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDSASAVAPLAPGSEDNFAR, MH+ 1989.9517, m/z 663.9888
L OS G30 P160811 220811-s1.04568.04568.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

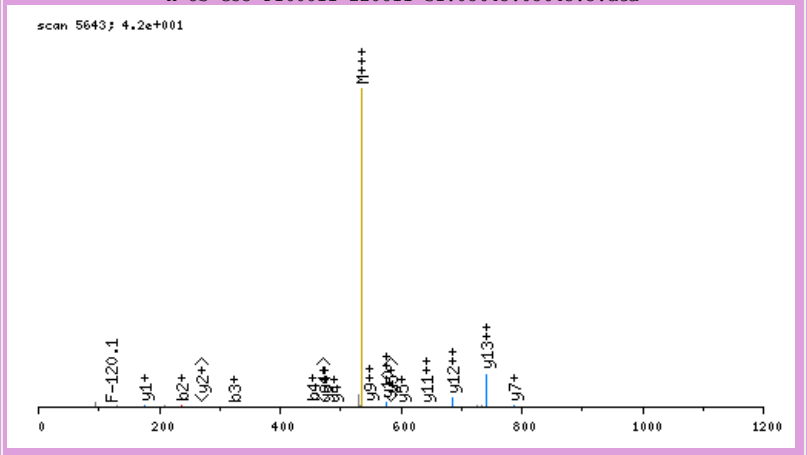


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

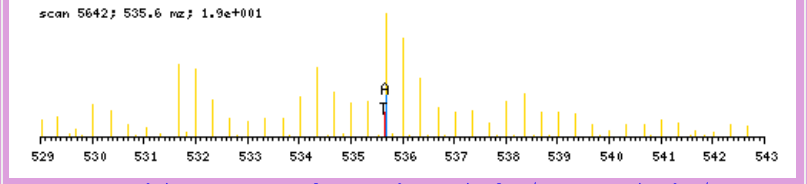
b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**20**		
231.0981	**2**	**D**	**19**	1874.8884	937.9481
318.1301	**3**	**S**	**18**	1759.8615	880.4347
389.1672	**4**	**A**	**17**	1672.8295	836.9186
476.1992	**5**	**S**	**16**	1601.7924	**801.4001**
547.2364	**6**	**A**	**15**	1514.7603	757.8841
646.3048	**7**	**V**	**14**	1443.7232	722.3655
717.3419	**8**	**A**	**13**	1344.6548	672.8313
814.3946	**9**	**P**	**12**	1273.6177	637.3128
927.4787	**10**	**L**	**11**	1176.5649	588.7864
998.5158	**11**	**A**	**10**	**1063.4809**	**532.2443**
1095.5686	**12**	**P**	**9**	**992.4437**	**496.7258**
1152.5901	**13**	**G**	**8**	**895.3910**	448.1994
1239.6221	**14**	**S**	**7**	**838.3695**	419.6887
1368.6647	**15**	**E**	**6**	751.3375	376.1727
1483.6916	**16**	**D**	**5**	**622.2949**	311.6514
1597.7345	**17**	**N**	**4**	**507.2680**	254.1379
1744.8030	**18**	**F**	**3**	**393.2250**	197.1164
1815.8401	**19**	**A**	**2**	**246.1566**	123.5822
	20	**R**	**1**	**175.1195**	88.0637

N-term:+29.04

SDSEGFKANLSLLR, MH+ 1604.9284, m/z 535.6477
H OS G33 P160811 220811-s1.05643.05643.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

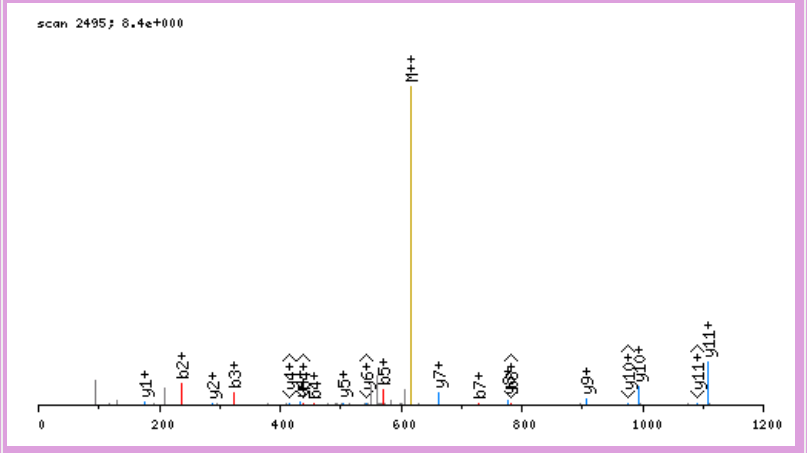
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
237.1299	2	D	13	1483.8333	742.4206
324.1619	3	S	12	1368.8064	684.9071
453.2045	4	E	11	1281.7743	641.3911
510.2260	5	G	10	1152.7317	576.8698
657.2944	6	F	9	1095.7103	548.3591
819.4525	7	K	8	948.6419	474.8248
890.4896	8	A	7	786.4838	393.7458
1004.5325	9	N	6	715.4466	358.2272
1117.6166	10	L	5	601.4037	301.2058
1204.6486	11	S	4	488.3197	244.6637
1317.7327	12	L	3	401.2876	201.1477
1430.8167	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

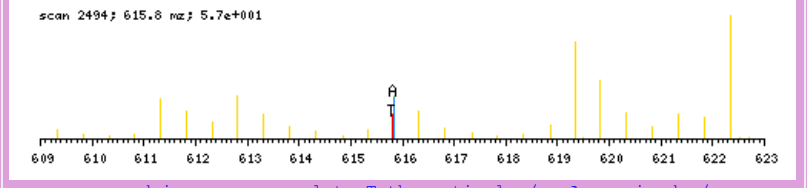
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDSMDTGAGSIR, MH+ 1230.5848, m/z 615.7960
H OS G31 P160811 220811-s1.02495.02495.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



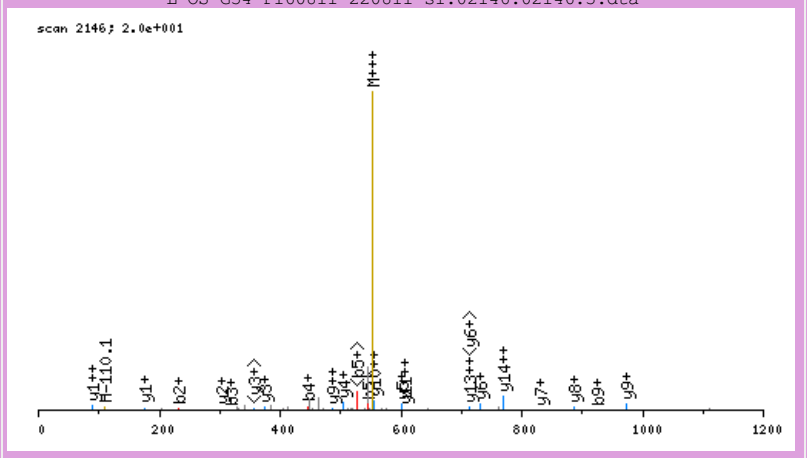
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
237.1299	2	D	11	1109.4897	555.2488
324.1619	3	S	10	994.4628	497.7353
455.2024	4	M	9	907.4307	454.2193
570.2293	5	D	8	776.3903	388.6990
671.2770	6	T	7	661.3633	331.1856
728.2985	7	G	6	560.3156	280.6617
799.3356	8	A	5	503.2942	252.1510
856.3570	9	G	4	432.2571	216.6324
943.3891	10	S	3	375.2356	188.1217
1056.4731	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

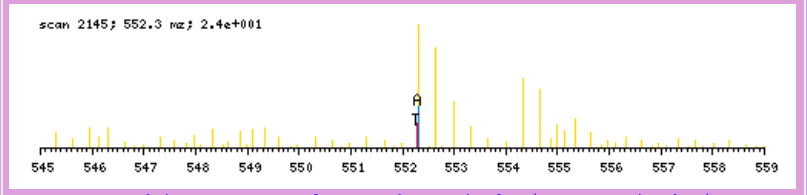
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDSQVHSGVQVEAQR, MH+ 1654.8149, m/z 552.2765
L OS G34 P160811 220811-s1.02146.02146.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

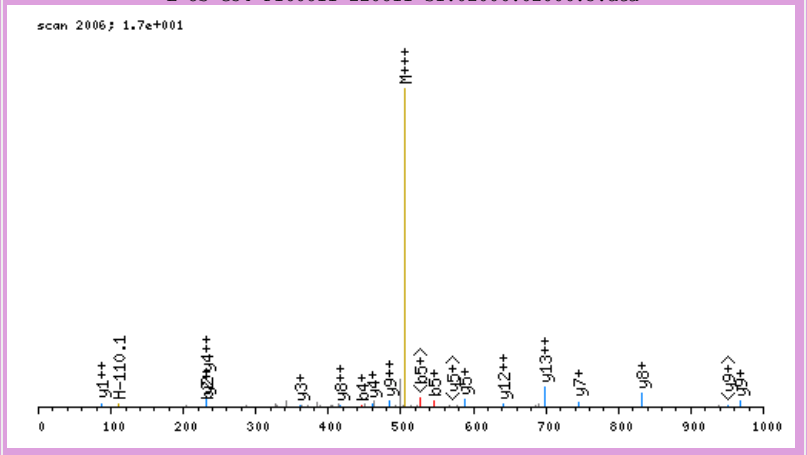


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

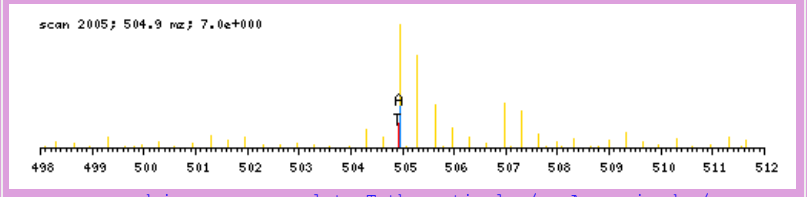
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
231.0981	2	D	14	1539.7516	770.3797
318.1301	3	S	13	1424.7246	712.8662
446.1887	4	Q	12	1337.6926	669.3502
545.2571	5	V	11	1209.6340	605.3209
682.3160	6	H	10	1110.5656	555.7867
769.3480	7	S	9	973.5067	487.2573
826.3695	8	G	8	886.4747	443.7412
925.4379	9	V	7	829.4532	415.2305
1053.4965	10	Q	6	730.3848	365.6963
1152.5649	11	V	5	602.3262	301.6670
1281.6075	12	E	4	503.2578	252.1328
1352.6446	13	A	3	374.2152	187.6115
1480.7032	14	Q	2	303.1781	152.0930
	15	R	1	175.1195	88.0637

N-term:+29.04

SDSQVHSGVQVEGR, MH+ 1512.7406, m/z 504.9184
L OS G34 P160811 220811-s1.02006.02006.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

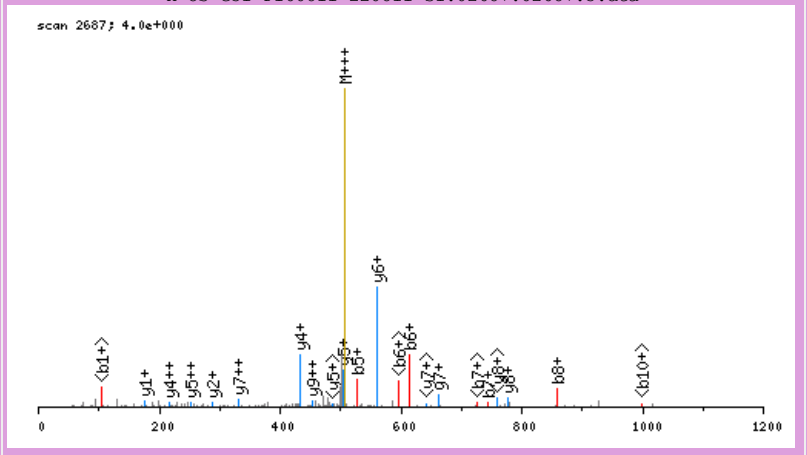
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
231.0981	2	D	13	1397.6773	**699.3426**
318.1301	3	S	12	1282.6504	**641.8291**
446.1887	4	Q	11	1195.6184	598.3131
545.2571	5	V	10	1067.5598	534.2838
682.3160	6	H	9	**968.4914**	**484.7496**
769.3480	7	S	8	**831.4325**	**416.2201**
826.3695	8	G	7	**744.4004**	372.7041
925.4379	9	V	6	687.3790	344.1934
1053.4965	10	Q	5	**588.3105**	294.6592
1152.5649	11	V	4	**460.2520**	**230.6299**
1281.6075	12	E	3	**361.1836**	181.0957
1338.6290	13	G	2	**232.1410**	116.5744
	14	R	1	175.1195	**88.0637**

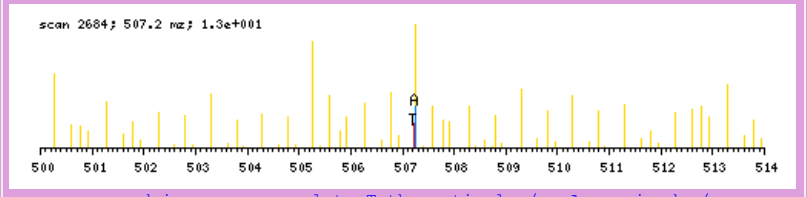
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDSSDSMDTGAGSIR, MH+ 1519.6758, m/z 507.2301
H OS G31 P160811 220811-s1.02687.02687.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



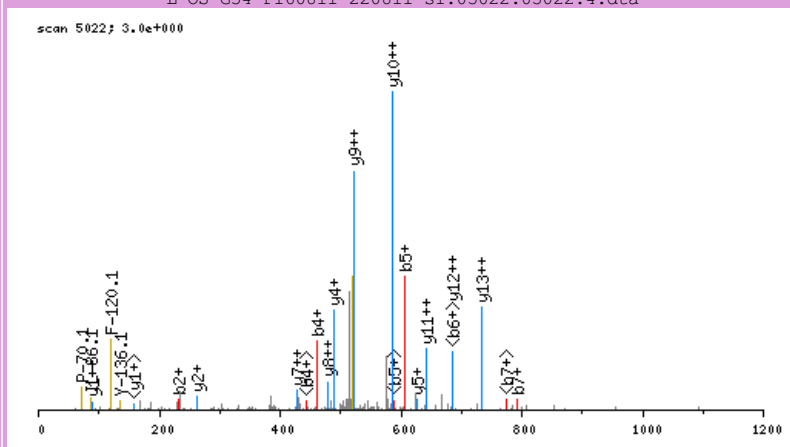
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
237.1299	2	D	14	1398.5807	699.7943
324.1619	3	S	13	1283.5538	642.2808
411.1939	4	S	12	1196.5217	598.7648
526.2209	5	D	11	1109.4897	555.2488
613.2529	6	S	10	994.4628	497.7353
744.2934	7	M	9	907.4307	**454.2193**
859.3203	8	D	8	**776.3903**	388.6990
960.3680	9	T	7	**661.3633**	**331.1856**
1017.3895	10	G	6	**560.3156**	280.6617
1088.4266	11	A	5	**503.2942**	**252.1510**
1145.4480	12	G	4	**432.2571**	**216.6324**
1232.4801	13	S	3	375.2356	188.1217
1345.5641	14	I	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

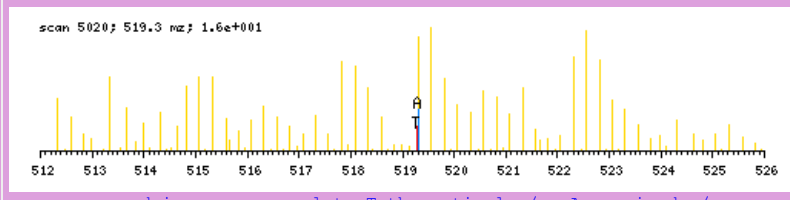
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDTQFPSLQSTAKHVESR, MH+ 2074.0569, m/z 519.2697
L OS G34 P160811 220811-s1.05022.05022.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

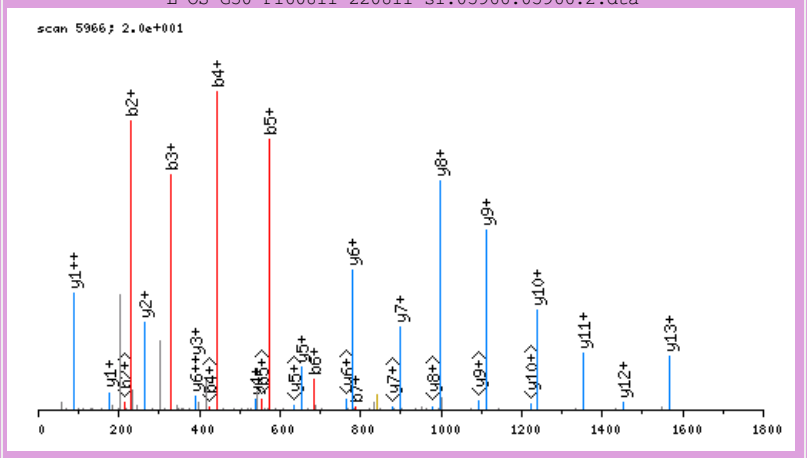


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

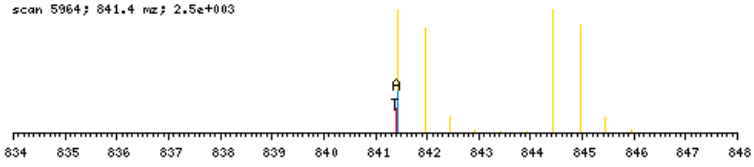
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
231.0981	2	D	17	1958.9936	980.0007
332.1458	3	T	16	1843.9667	922.4872
460.2043	4	Q	15	1742.9190	871.9634
607.2727	5	F	14	1614.8604	807.9341
704.3255	6	P	13	1467.7920	**734.3999**
791.3575	7	S	12	1370.7392	**685.8735**
904.4416	8	L	11	1283.7072	**642.3575**
1032.5002	9	Q	10	1170.6231	**585.8155**
1119.5322	10	S	9	1042.5646	**521.7862**
1220.5799	11	T	8	955.5325	**478.2702**
1291.6170	12	A	7	854.4849	**427.7463**
1447.7433	13	K	6	783.4477	392.2278
1584.8022	14	H	5	**627.3214**	314.1646
1683.8706	15	V	4	**490.2625**	245.6352
1812.9132	16	E	3	391.1941	196.1010
1899.9452	17	S	2	**262.1515**	131.5797
	18	R	1	175.1195	**88.0637**

N-term:+29.04 K(13):+156.13

SDVLELTDENFESR, MH+ 1681.7921, m/z 841.3997
L OS G30 P160811 220811-s1.05966.05966.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



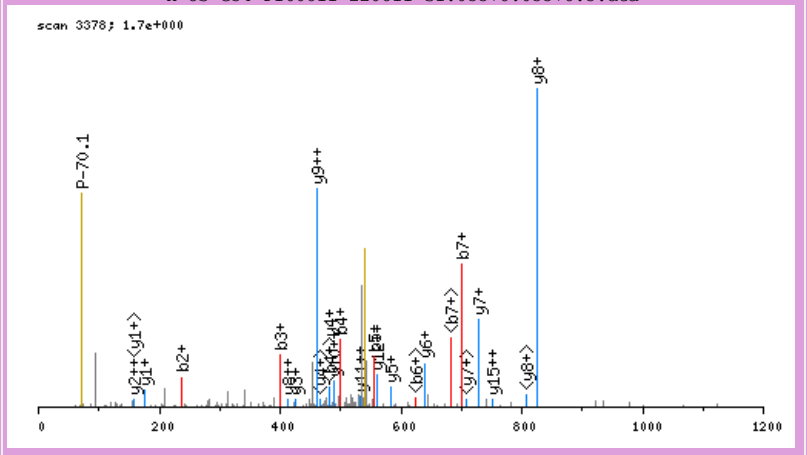
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

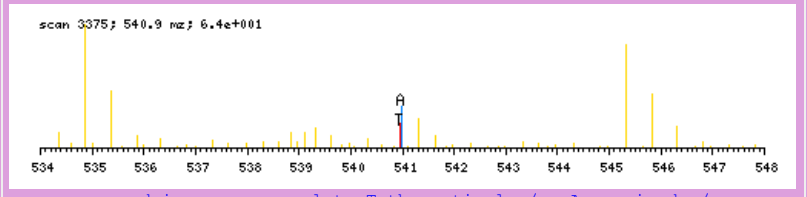
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
231.0981	2	D	13	1566.7288	783.8683
330.1665	3	V	12	1451.7018	726.3548
443.2505	4	L	11	1352.6334	676.8206
572.2931	5	E	10	1239.5493	620.2786
685.3772	6	L	9	1110.5067	555.7573
786.4249	7	T	8	997.4227	499.2153
901.4518	8	D	7	896.3750	448.6914
1030.4944	9	E	6	781.3481	391.1779
1144.5373	10	N	5	652.3055	326.6566
1291.6058	11	F	4	538.2625	269.6352
1420.6484	12	E	3	391.1941	196.1010
1507.6804	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

N-term:+29.04

SDYVGSGPPSGTGLHR, MH+ 1620.8194, m/z 540.9446
H OS G34 P160811 220811-s1.03378.03378.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

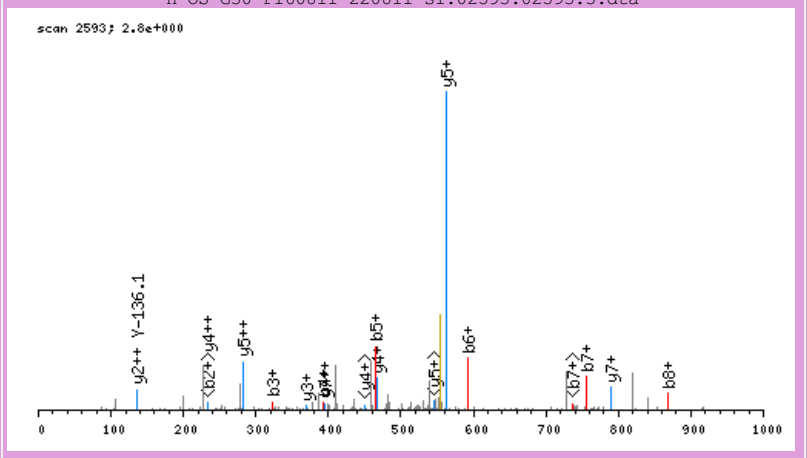
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
237.1299	2	D	15	1499.7243	750.3661
400.1932	3	Y	14	1384.6973	692.8526
499.2616	4	V	13	1221.6340	611.3209
556.2831	5	G	12	1122.5656	561.7867
643.3151	6	S	11	1065.5441	533.2760
700.3366	7	G	10	978.5121	489.7600
797.3893	8	P	9	921.4906	461.2492
894.4421	9	P	8	824.4379	412.7228
981.4741	10	S	7	727.3851	364.1965
1038.4956	11	G	6	640.3531	320.6805
1139.5433	12	T	5	583.3316	292.1697
1196.5647	13	G	4	482.2839	241.6459
1309.6488	14	L	3	425.2625	213.1352
1446.7077	15	H	2	312.1784	156.5931
	16	R	1	175.1195	88.0637

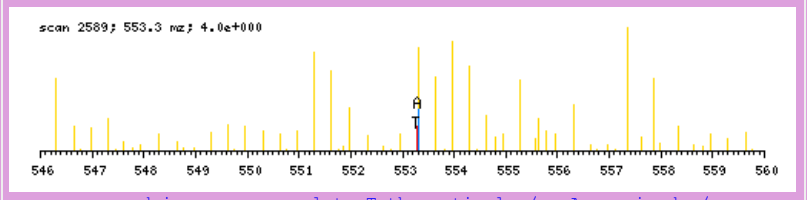
N-term:+35.07

SEAAAQYNPEPPPPR, MH+ 1657.8398, m/z 553.2848
H OS G30 P160811 220811-s1.02593.02593.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



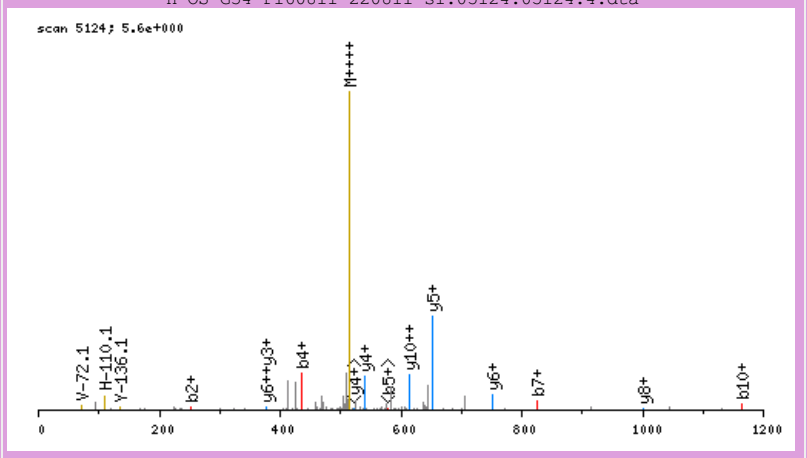
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
251.1455	2	E	14	1536.7447	768.8763
322.1826	3	A	13	1407.7021	704.3550
393.2197	4	A	12	1336.6650	668.8364
464.2569	5	A	11	1265.6279	633.3178
592.3154	6	Q	10	1194.5907	597.7993
755.3788	7	Y	9	1066.5322	533.7700
869.4217	8	N	8	903.4688	452.2383
966.4745	9	P	7	**789.4259**	**395.2169**
1095.5171	10	E	6	692.3731	346.6905
1192.5698	11	P	5	**563.3306**	**282.1692**
1289.6226	12	P	4	**466.2778**	**233.6428**
1386.6753	13	P	3	**369.2250**	185.1164
1483.7281	14	P	2	272.1723	**136.5900**
	15	R	1	175.1195	88.0637

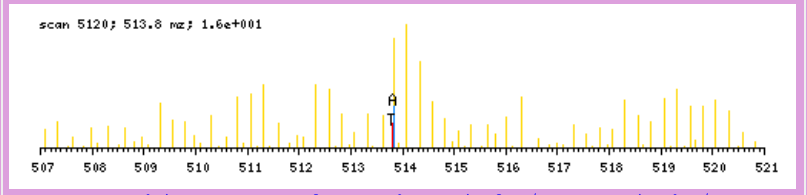
N-term:+35.07

SEAIKLDPQNHVLYSNR, MH+ 2052.1514, m/z 513.7933
H OS G34 P160811 220811-s1.05124.05124.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



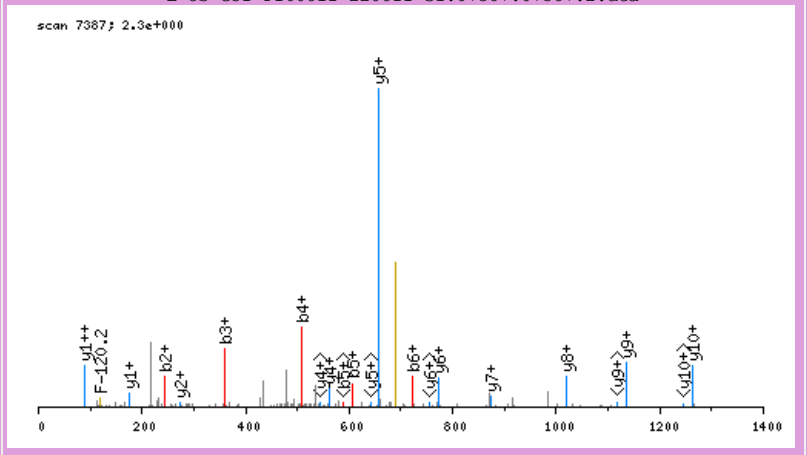
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
251.1455	2	E	16	1931.0563	966.0321
322.1826	3	A	15	1802.0137	901.5108
435.2667	4	I	14	1730.9766	865.9922
597.4248	5	K	13	1617.8926	809.4502
710.5089	6	L	12	1455.7345	728.3711
825.5358	7	D	11	1342.6504	671.8291
922.5886	8	P	10	1227.6234	**614.3156**
1050.6471	9	Q	9	1130.5707	565.7893
1164.6901	10	N	8	**1002.5121**	501.7600
1301.7490	11	H	7	888.4692	444.7385
1400.8174	12	V	6	**751.4103**	**376.2090**
1513.9015	13	L	5	**652.3418**	326.6748
1676.9648	14	Y	4	**539.2578**	270.1328
1763.9968	15	S	3	**376.1945**	188.6011
1878.0397	16	N	2	289.1624	145.0851
	17	R	1	175.1195	88.0637

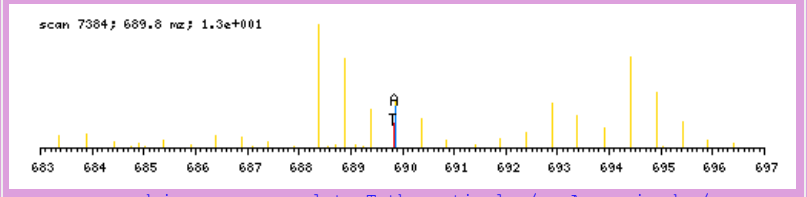
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEDFVDPWTVR, MH+ 1378.6643, m/z 689.8358
L OS G31 P160811 220811-s1.07387.07387.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



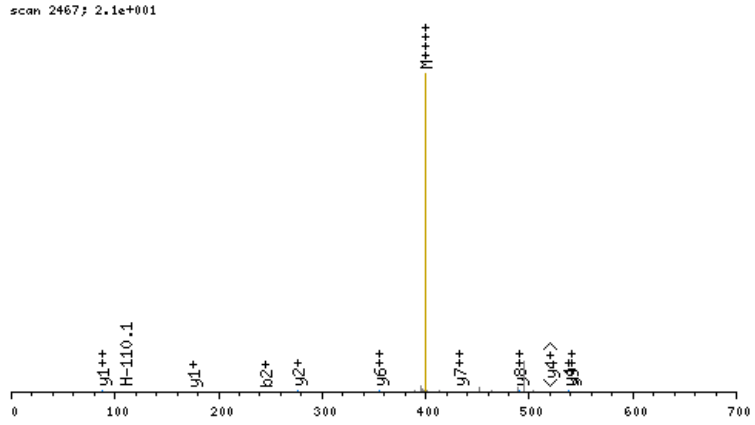
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
245.1137	2	E	10	1263.6010	632.3044
360.1407	3	D	9	1134.5584	567.7831
507.2091	4	F	8	1019.5314	510.2696
606.2775	5	V	7	872.4630	436.7354
721.3044	6	D	6	773.3946	387.2012
818.3572	7	P	5	658.3677	329.6877
1004.4365	8	W	4	561.3149	281.1614
1105.4842	9	T	3	375.2356	188.1217
1204.5526	10	V	2	274.1879	137.5979
	11	R	1	175.1195	88.0637

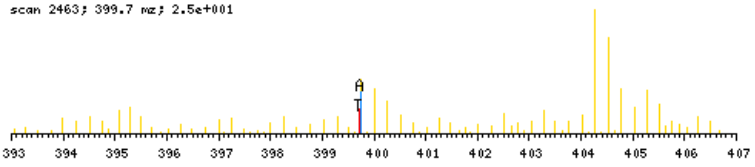
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEDKTDKGIYVTR, MH+ 1595.8645, m/z 399.7216
L OS G35 P160811 220811-s1.02467.02467.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



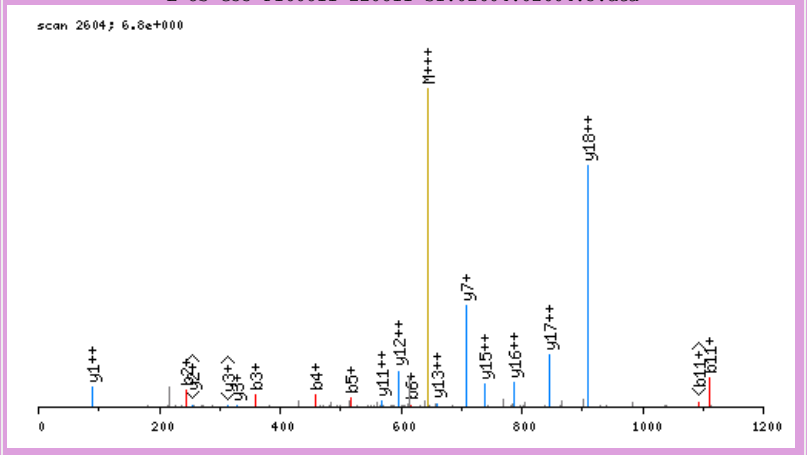
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
245.1137	2	E	12	1480.8012	740.9045
360.1407	3	D	11	1351.7586	676.3832
516.2670	4	K	10	1236.7317	618.8697
617.3146	5	T	9	1080.6054	**540.8066**
732.3416	6	D	8	979.5577	**490.2828**
888.4679	7	K	7	864.5307	**432.7693**
945.4893	8	G	6	708.4044	**354.7061**
1058.5734	9	I	5	651.3830	326.1954
1221.6367	10	Y	4	**538.2989**	269.6534
1320.7052	11	V	3	375.2356	188.1217
1421.7528	12	T	2	**276.1672**	138.5875
	13	R	1	**175.1195**	**88.0637**

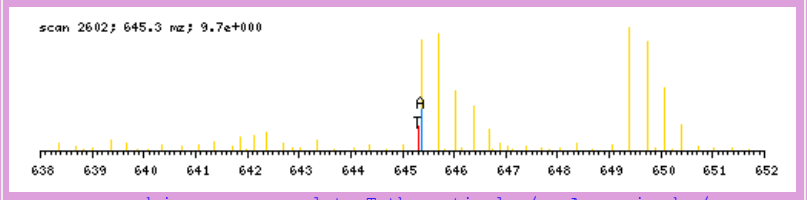
N-term:+29.04 K(4):+156.13
K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEDVGVEGPKGDPGPQGPR, MH+ 1933.9620, m/z 645.3255
L OS G33 P160811 220811-s1.02604.02604.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



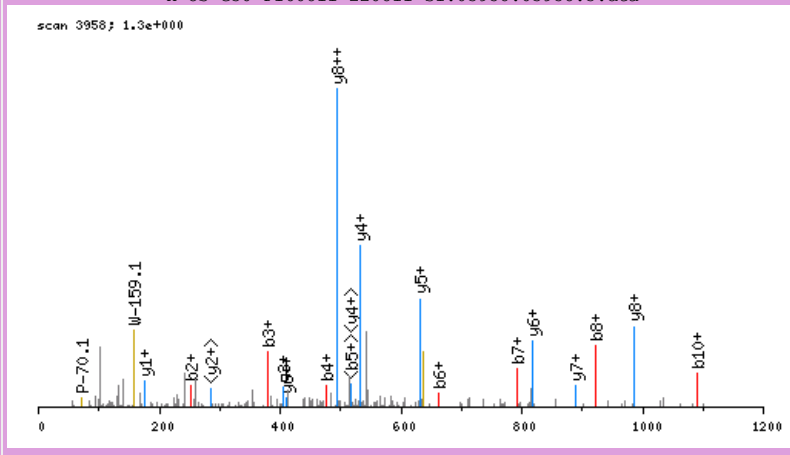
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
245.1137	2	E	18	1818.8987	909.9532
360.1407	3	D	17	1689.8561	845.4319
459.2091	4	V	16	1574.8291	787.9185
516.2305	5	G	15	1475.7607	738.3843
615.2990	6	V	14	1418.7392	709.8735
744.3415	7	E	13	1319.6708	660.3393
801.3630	8	G	12	1190.6282	595.8180
898.4158	9	P	11	1133.6068	567.3073
1054.5421	10	K	10	1036.5540	518.7809
1111.5635	11	G	9	880.4277	440.7178
1226.5905	12	D	8	823.4062	412.2070
1323.6432	13	P	7	708.3793	354.6936
1380.6647	14	G	6	611.3265	306.1672
1477.7175	15	P	5	554.3051	277.6564
1605.7761	16	Q	4	457.2523	229.1301
1662.7975	17	G	3	329.1937	165.1008
1759.8503	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

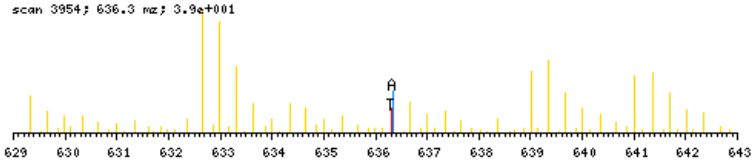
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEEPGEEEPAWVQTER, MH+ 1906.8883, m/z 636.3009
H OS G30 P160811 220811-s1.03958.03958.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



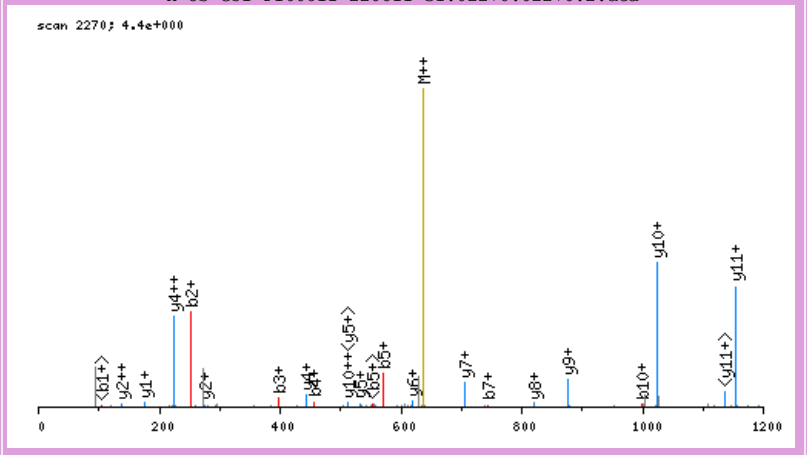
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
251.1455	2	E	15	1785.7931	893.4005
380.1881	3	E	14	1656.7506	828.8792
477.2409	4	P	13	1527.7080	764.3579
534.2623	5	G	12	1430.6552	715.8315
663.3049	6	E	11	1373.6337	687.3208
792.3475	7	E	10	1244.5911	622.7995
921.3901	8	E	9	1115.5485	558.2782
1018.4429	9	P	8	986.5060	493.7569
1089.4800	10	A	7	889.4532	445.2305
1275.5593	11	W	6	818.4161	409.7120
1374.6277	12	V	5	632.3368	316.6723
1502.6863	13	Q	4	533.2683	267.1381
1603.7340	14	T	3	405.2098	203.1088
1732.7766	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

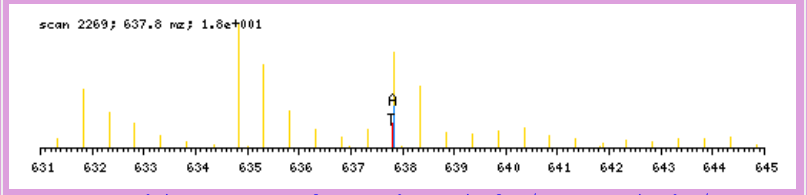
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEFGDSSSPATR, MH+ 1274.6077, m/z 637.8075
H OS G31 P160811 220811-s1.02270.02270.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



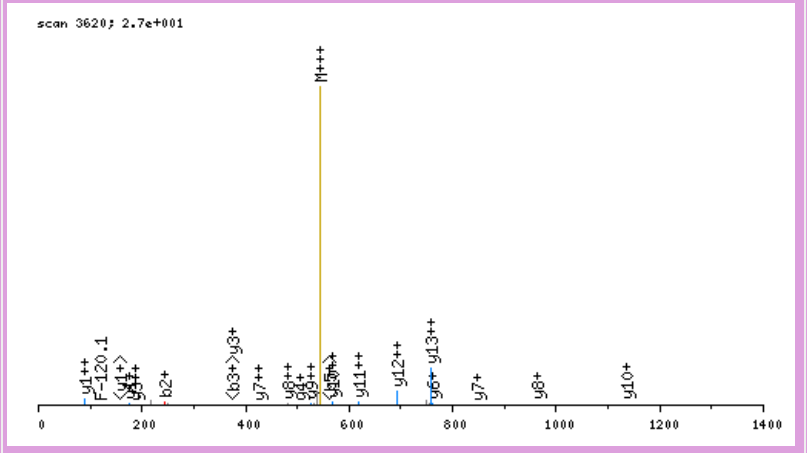
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
251.1455	2	E	11	1153.5126	577.2602
398.2139	3	F	10	1024.4700	512.7389
455.2354	4	G	9	877.4015	439.2047
570.2623	5	D	8	820.3801	410.6940
657.2944	6	S	7	705.3531	353.1805
744.3264	7	S	6	618.3211	309.6645
831.3584	8	S	5	531.2891	266.1485
928.4112	9	P	4	444.2571	222.6324
999.4483	10	A	3	347.2043	174.1061
1100.4960	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

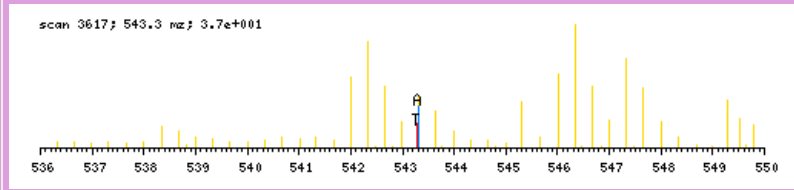
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEFTSSLSTKESLR, MH+ 1627.8543, m/z 543.2896
L OS G33 P160811 220811-s1.03620.03620.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



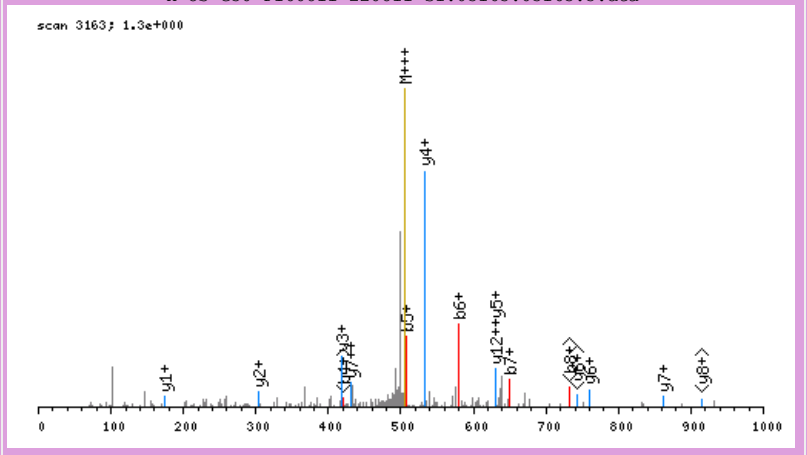
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
245.1137	2	E	13	1512.7910	**756.8994**
392.1821	3	F	12	1383.7484	**692.3781**
493.2298	4	T	11	1236.6800	**618.8439**
580.2618	5	S	10	**1135.6323**	**568.3201**
667.2939	6	S	9	1048.6003	**524.8041**
780.3779	7	L	8	**961.5683**	**481.2880**
867.4100	8	S	7	**848.4842**	**424.7460**
968.4576	9	T	6	**761.4522**	381.2300
1124.5839	10	K	5	660.4045	330.7062
1253.6265	11	E	4	**504.2782**	252.6430
1340.6586	12	S	3	**375.2356**	**188.1217**
1453.7426	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	**88.0637**

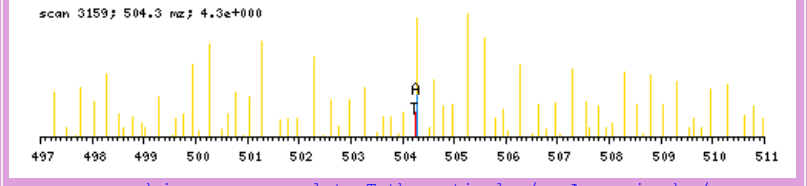
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEGEAAATEVDLER, MH+ 1510.7449, m/z 504.2531
H OS G30 P160811 220811-s1.03163.03163.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



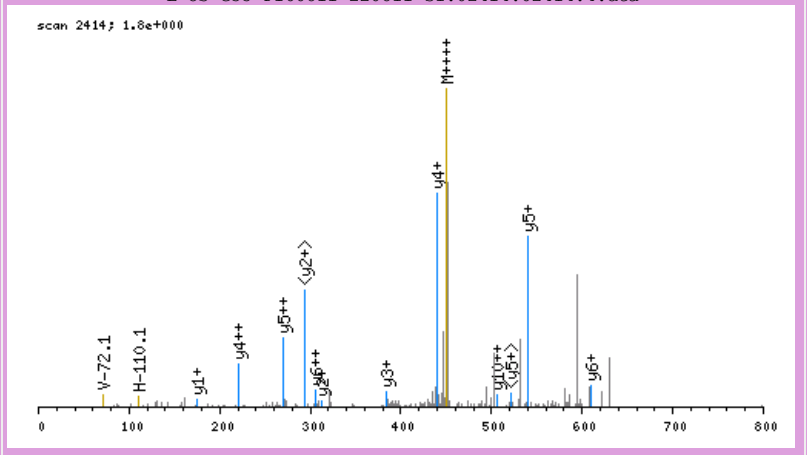
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
251.1455	2	E	13	1389.6498	695.3288
308.1670	3	G	12	1260.6072	**630.8075**
437.2096	4	E	11	1203.5857	602.2968
508.2467	5	A	10	1074.5431	537.7755
579.2838	6	A	9	1003.5060	502.2569
650.3209	7	A	8	932.4689	466.7384
751.3686	8	T	7	**861.4318**	**431.2198**
880.4112	9	E	6	**760.3841**	380.6960
979.4796	10	V	5	**631.3415**	316.1747
1094.5065	11	D	4	**532.2731**	266.6405
1207.5906	12	L	3	**417.2462**	209.1270
1336.6332	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

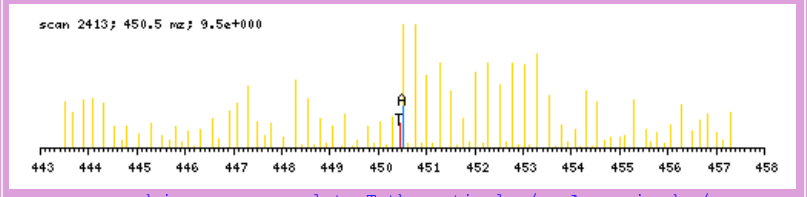
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEGHSDFSEGQAVGAHR, MH+ 1798.8108, m/z 450.4582
L OS G35 P160811 220811-s1.02414.02414.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



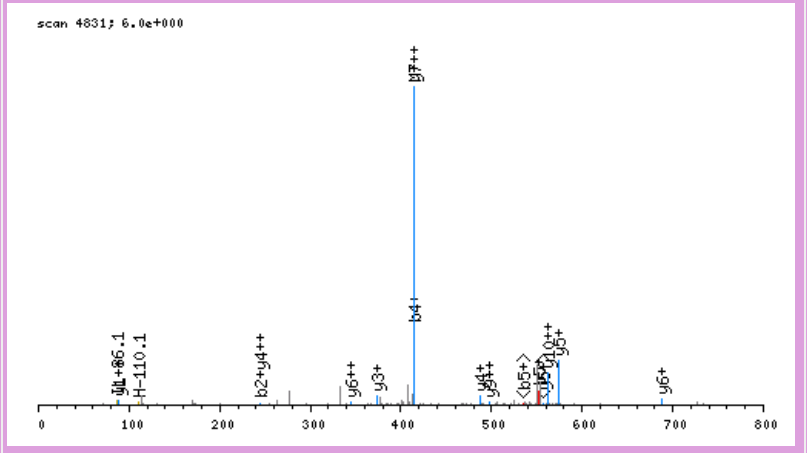
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
245.1137	2	E	16	1683.7475	842.3777
302.1352	3	G	15	1554.7049	777.8564
439.1941	4	H	14	1497.6835	749.3457
526.2261	5	S	13	1360.6246	680.8162
641.2531	6	D	12	1273.5925	637.3002
788.3215	7	F	11	1158.5656	579.7867
875.3535	8	S	10	1011.4972	**506.2525**
1004.3961	9	E	9	924.4652	462.7365
1061.4176	10	G	8	795.4226	398.2152
1189.4761	11	Q	7	738.4011	369.7045
1260.5133	12	A	6	**610.3425**	**305.6752**
1359.5817	13	V	5	**539.3054**	**270.1566**
1416.6031	14	G	4	**440.2370**	**220.6224**
1487.6403	15	A	3	**383.2155**	192.1117
1624.6992	16	H	2	**312.1784**	156.5931
	17	R	1	**175.1195**	88.0637

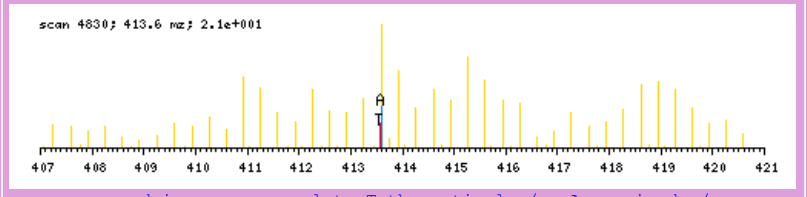
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEGLHLSLAQR, MH+ 1238.6857, m/z 413.5667
L OS G34 P160811 220811-s1.04831.04831.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



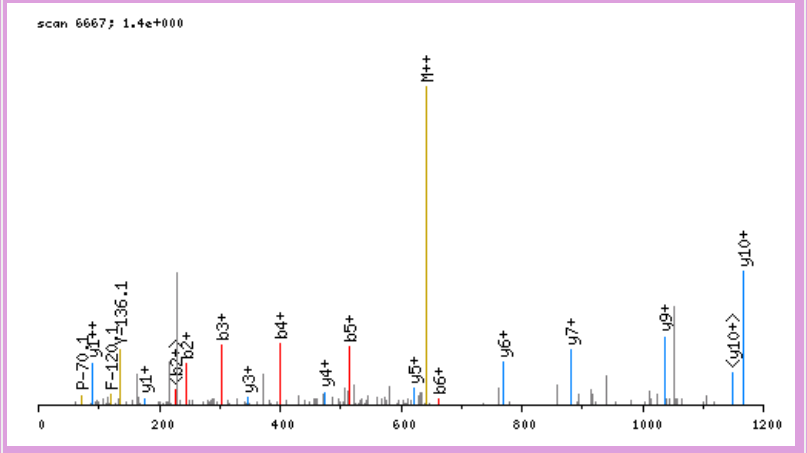
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
245.1137	2	E	10	1123.6224	**562.3151**
302.1352	3	G	9	994.5798	**497.7938**
415.2192	4	L	8	937.5583	469.2831
552.2782	5	H	7	824.4743	**412.7410**
665.3622	6	L	6	**687.4153**	**344.2116**
752.3943	7	S	5	**574.3313**	287.6696
865.4783	8	L	4	**487.2993**	**244.1535**
936.5154	9	A	3	**374.2152**	187.6115
1064.5740	10	Q	2	303.1781	152.0930
	11	R	1	175.1195	**88.0637**

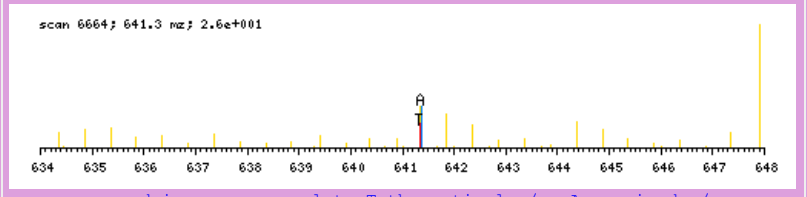
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEGVLFFQGNR, MH+ 1281.6591, m/z 641.3332
L OS G31 P160811 220811-s1.06667.06667.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



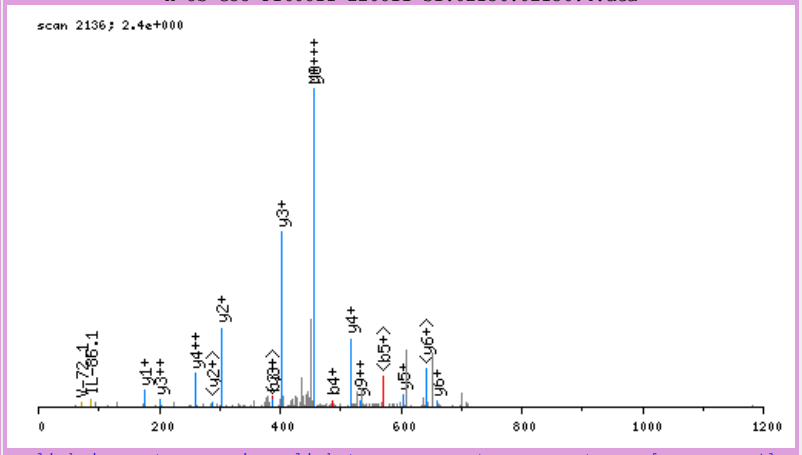
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
245.1137	2	E	10	1166.5958	583.8018
302.1352	3	G	9	1037.5532	519.2805
401.2036	4	V	8	980.5318	490.7698
514.2877	5	L	7	881.4634	441.2356
661.3561	6	F	6	768.3793	384.6936
808.4245	7	F	5	621.3109	311.1594
936.4831	8	Q	4	474.2425	237.6251
993.5045	9	G	3	346.1839	173.5959
1107.5475	10	N	2	289.1624	145.0851
	11	R	1	175.1195	88.0637

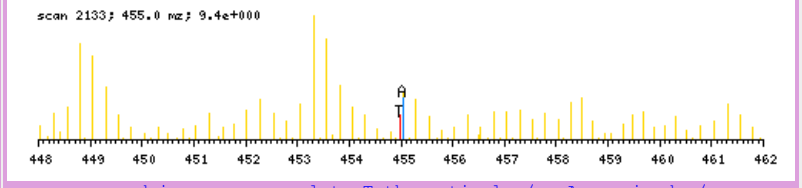
N-term:+29.04

SEHVTKCCSGSLVER, MH+ 1816.9321, m/z 454.9885
H OS G35 P160811 220811-s1.02136.02136.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



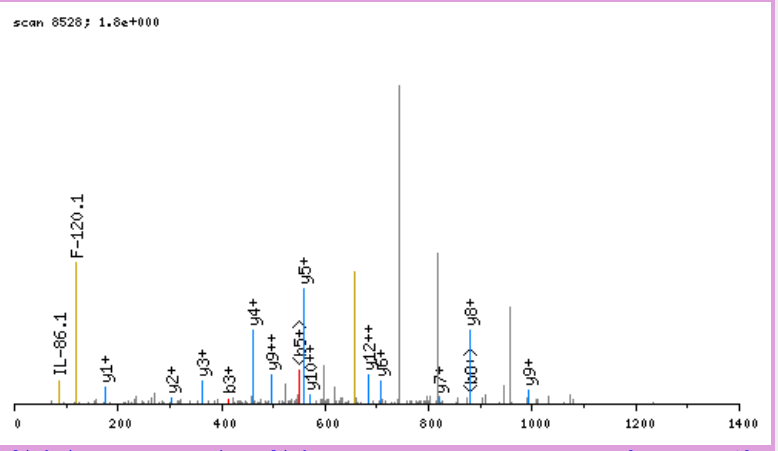
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
251.1455	2	E	14	1695.8370	848.4224
388.2044	3	H	13	1566.7944	783.9011
487.2728	4	V	12	1429.7355	715.3717
588.3205	5	T	11	1330.6671	665.8374
750.4786	6	K	10	1229.6194	615.3136
910.5092	7	C	9	1067.4613	**534.2346**
1070.5398	8	C	8	907.4307	**454.2193**
1157.5719	9	S	7	747.4001	374.2040
1214.5933	10	G	6	**660.3681**	330.6879
1301.6253	11	S	5	**603.3466**	302.1772
1414.7094	12	L	4	**516.3146**	**258.6612**
1513.7778	13	V	3	**403.2305**	**202.1192**
1642.8204	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

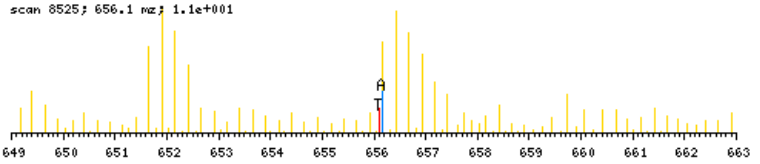
N-term:+35.07 K(6):+162.16
C(7):+160.03 C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEKPGPKAAEVGDDFLGDFVVGER, MH+ 2621.4312, m/z 656.1132
H OS G34 P160811 220811-s1.08528.08528.4.dta



click image to zoom in; click top corners to zoom out [precursor]



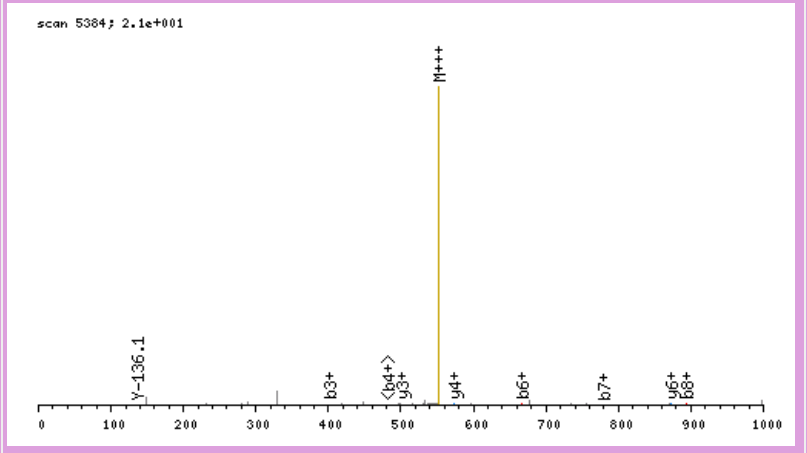
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	24		
251.1455	2	E	23	2500.3361	1250.6719
413.3036	3	K	22	2371.2935	1186.1506
510.3564	4	P	21	2209.1354	1105.0716
567.3778	5	G	20	2112.0826	1056.5452
664.4306	6	P	19	2055.0611	1028.0345
826.5887	7	K	18	1958.0084	979.5081
897.6258	8	A	17	1795.8503	898.4290
968.6629	9	A	16	1724.8132	862.9105
1097.7055	10	E	15	1653.7760	827.3919
1196.7739	11	V	14	1524.7334	762.8706
1253.7954	12	G	13	1425.6650	713.3364
1368.8224	13	D	12	1368.6436	**684.8257**
1483.8493	14	D	11	1253.6166	627.3122
1630.9177	15	F	10	1138.5897	**569.7988**
1744.0018	16	L	9	**991.5213**	**496.2645**
1801.0232	17	G	8	**878.4372**	439.7225
1916.0502	18	D	7	**821.4157**	411.2118
2063.1186	19	F	6	**706.3888**	353.6983
2162.1870	20	V	5	**559.3204**	280.1641
2261.2554	21	V	4	**460.2520**	230.6299
2318.2769	22	G	3	**361.1836**	181.0957
2447.3195	23	E	2	**304.1621**	152.5850
	24	R	1	**175.1195**	88.0637

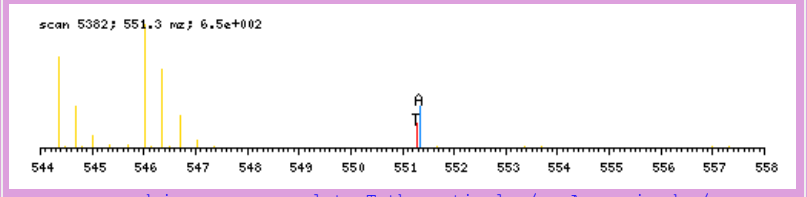
N-term:+35.07 K(3):+162.16
K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEKPPAIDWAYYR, MH+ 1651.8484, m/z 551.2877
L OS G33 P160811 220811-s1.05384.05384.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



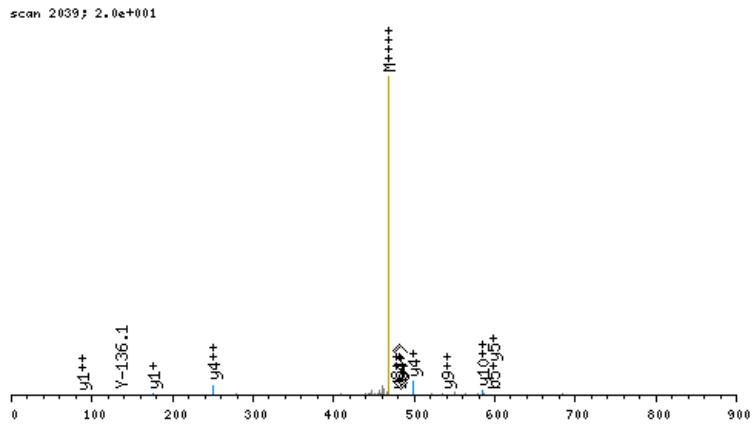
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
245.1137	2	E	12	1536.7851	768.8965
401.2400	3	K	11	1407.7425	704.3752
498.2928	4	P	10	1251.6162	626.3120
595.3455	5	P	9	1154.5635	577.7856
666.3827	6	A	8	1057.5107	529.2593
779.4667	7	I	7	986.4736	493.7407
894.4937	8	D	6	**873.3895**	437.1987
1080.5730	9	W	5	758.3626	379.6852
1151.6101	10	A	4	**572.2833**	286.6455
1314.6734	11	Y	3	**501.2462**	251.1270
1477.7368	12	Y	2	338.1828	169.5953
	13	R	1	175.1195	88.0637

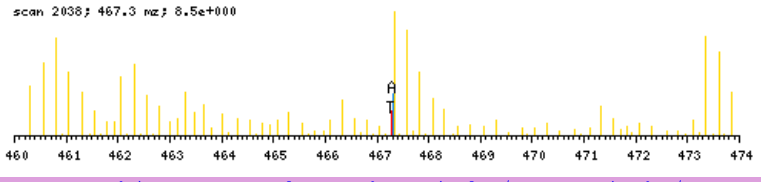
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SEKTPVSEKTPVPAKR, MH+ 1866.1065, m/z 467.2821
L OS G35 P160811 220811-s1.02039.02039.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



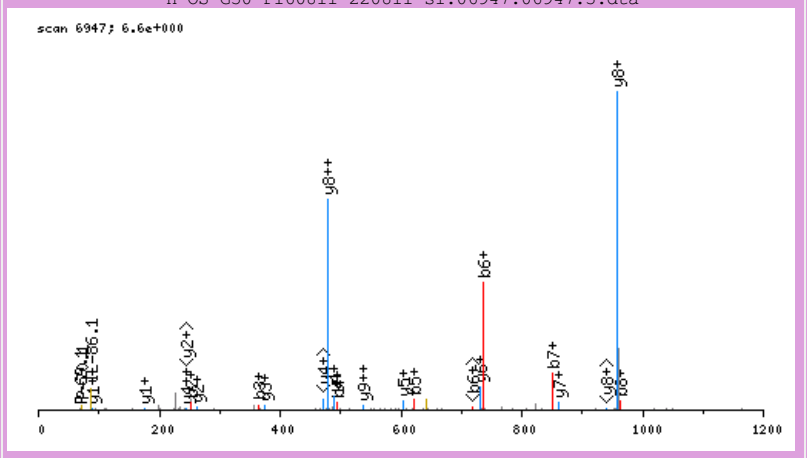
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
245.1137	2	E	15	1751.0432	876.0255
401.2400	3	K	14	1622.0006	811.5042
502.2877	4	T	13	1465.8743	733.4411
599.3405	5	P	12	1364.8266	682.9172
698.4089	6	V	11	1267.7739	634.3908
785.4409	7	S	10	1168.7055	**584.8566**
914.4835	8	E	9	1081.6734	**541.3406**
1070.6098	9	K	8	952.6308	**476.8193**
1171.6575	10	T	7	796.5045	398.7562
1268.7102	11	P	6	695.4569	348.2323
1367.7787	12	V	5	**598.4041**	299.7060
1464.8314	13	P	4	**499.3357**	**250.1718**
1535.8685	14	A	3	402.2829	201.6454
1691.9948	15	K	2	331.2458	166.1268
	16	R	1	**175.1195**	**88.0637**

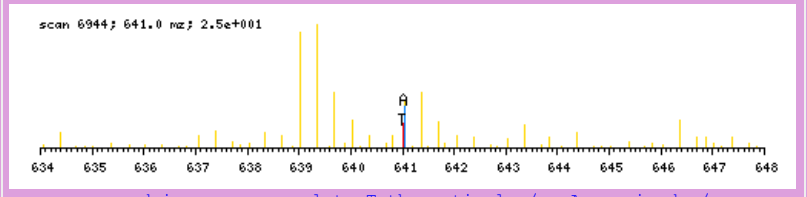
N-term:+29.04 K(3):+156.13
K(9):+156.13 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SELEEDIIPEEDIISR, MH+ 1920.9866, m/z 641.0004
H OS G30 P160811 220811-s1.06947.06947.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



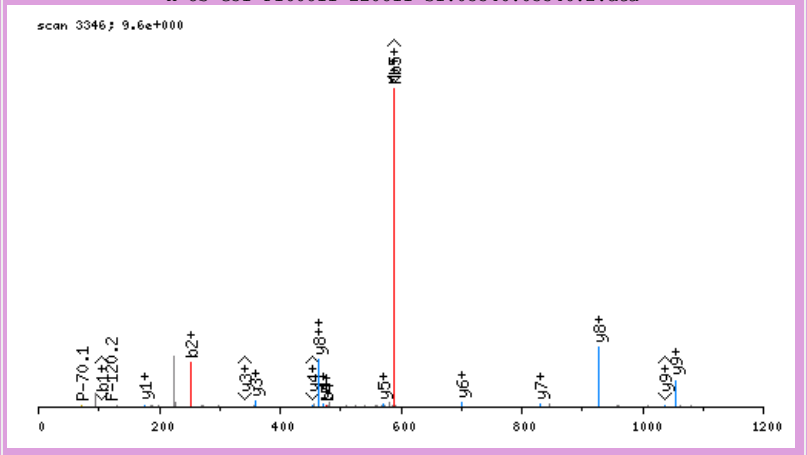
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
251.1455	2	E	15	1799.8915	900.4496
364.2296	3	L	14	1670.8489	835.9283
493.2722	4	E	13	1557.7648	779.3863
622.3148	5	E	12	1428.7222	714.8650
737.3417	6	D	11	1299.6796	650.3437
850.4258	7	I	10	1184.6527	592.8303
963.5098	8	I	9	1071.5686	536.2882
1060.5626	9	P	8	958.4846	479.7462
1189.6052	10	E	7	861.4318	431.2198
1318.6478	11	E	6	732.3892	366.6985
1433.6747	12	D	5	603.3466	302.1772
1546.7588	13	I	4	488.3197	244.6637
1659.8429	14	I	3	375.2356	188.1217
1746.8749	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

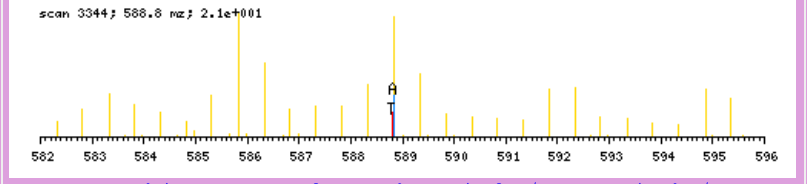
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEPEEVIPSR, MH+ 1176.6324, m/z 588.8198
H OS G31 P160811 220811-s1.03346.03346.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



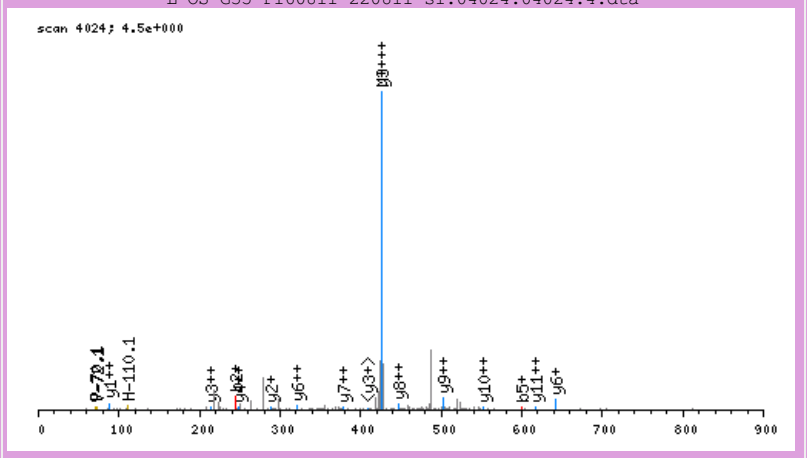
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	10		
251.1455	2	E	9	1055.5373	528.2726
348.1983	3	P	8	926.4947	463.7513
477.2409	4	E	7	829.4420	415.2249
606.2835	5	E	6	700.3994	350.7036
705.3519	6	V	5	571.3568	286.1823
818.4359	7	I	4	472.2884	236.6481
915.4887	8	P	3	359.2043	180.1061
1002.5207	9	S	2	262.1515	131.5797
	10	R	1	175.1195	88.0637

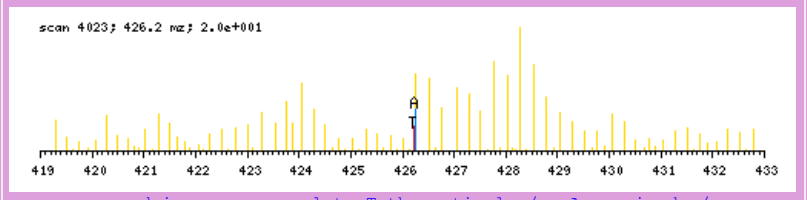
N-term:+35.07

SEPQEVLHIGSAHNR, MH+ 1701.8672, m/z 426.2223
L OS G35 P160811 220811-s1.04024.04024.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



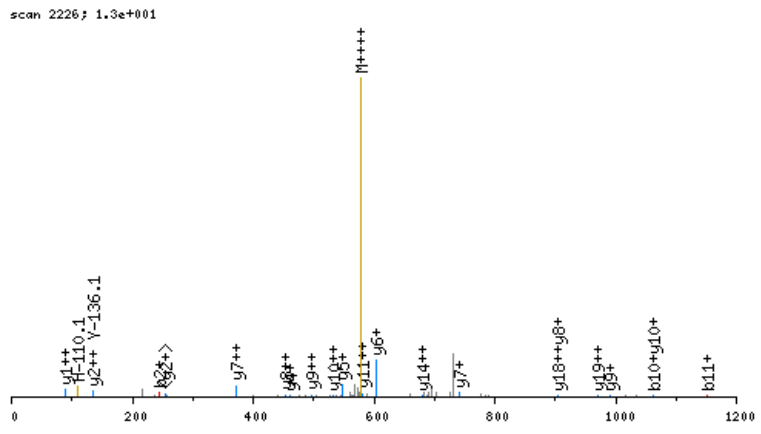
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
245.1137	2	E	14	1586.8039	793.9059
342.1665	3	P	13	1457.7613	729.3846
470.2251	4	Q	12	1360.7086	680.8582
599.2677	5	E	11	1232.6500	**616.8289**
698.3361	6	V	10	1103.6074	**552.3076**
811.4201	7	L	9	1004.5390	**502.7734**
948.4790	8	H	8	891.4549	**446.2314**
1061.5631	9	I	7	754.3960	**377.7019**
1118.5846	10	G	6	**641.3119**	**321.1599**
1205.6166	11	S	5	584.2905	292.6492
1276.6537	12	A	4	497.2585	**249.1331**
1413.7126	13	H	3	**426.2213**	**213.6146**
1527.7556	14	N	2	**289.1624**	145.0851
	15	R	1	175.1195	**88.0637**

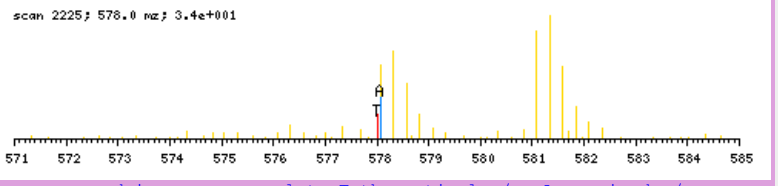
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

SEQEYGKAGGSPASYHGSTSPR, MH+ 2309.0798, m/z 578.0254
L OS G34 P160811 220811-s1.02226.02226.4.dta



click image to zoom in; click top corners to zoom out [precursor]



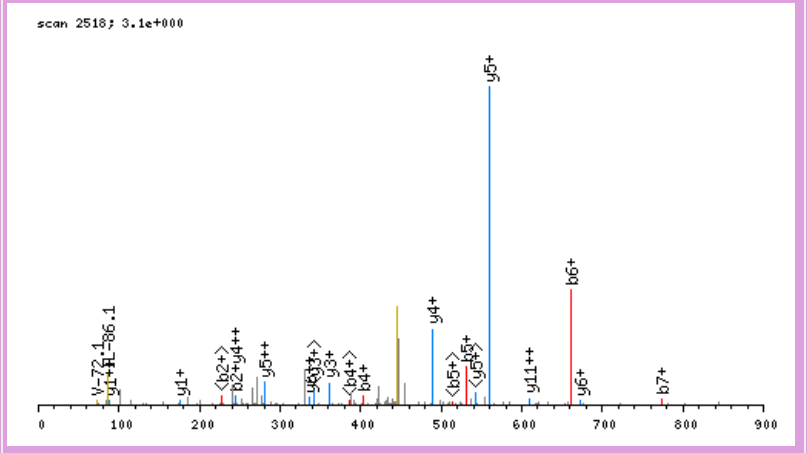
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
245.1137	2	E	21	2194.0165	1097.5122
373.1723	3	Q	20	2064.9739	1032.9909
502.2149	4	E	19	1936.9154	**968.9616**
665.2782	5	Y	18	1807.8728	**904.4403**
722.2997	6	G	17	1644.8094	822.9086
878.4260	7	K	16	1587.7880	794.3979
949.4631	8	A	15	1431.6617	716.3348
1006.4846	9	G	14	1360.6246	**680.8162**
1063.5060	10	G	13	1303.6031	652.3055
1150.5381	11	S	12	1246.5816	623.7947
1247.5908	12	P	11	1159.5496	**580.2787**
1318.6279	13	A	10	**1062.4968**	**531.7523**
1405.6600	14	S	9	**991.4597**	**496.2338**
1568.7233	15	Y	8	**904.4277**	**452.7178**
1705.7822	16	H	7	**741.3644**	**371.1861**
1762.8037	17	G	6	**604.3055**	302.6566
1849.8357	18	S	5	**547.2840**	274.1459
1950.8834	19	T	4	**460.2520**	230.6299
2037.9154	20	S	3	359.2043	180.1061
2134.9682	21	P	2	272.1723	**136.5900**
	22	R	1	175.1195	**88.0637**

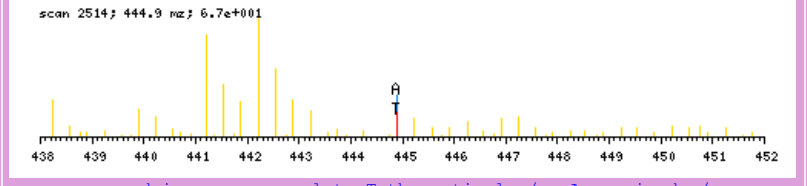
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SESAQELAEGQR, MH+ 1332.6395, m/z 444.8847
L OS G31 P160811 220811-s1.02518.02518.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

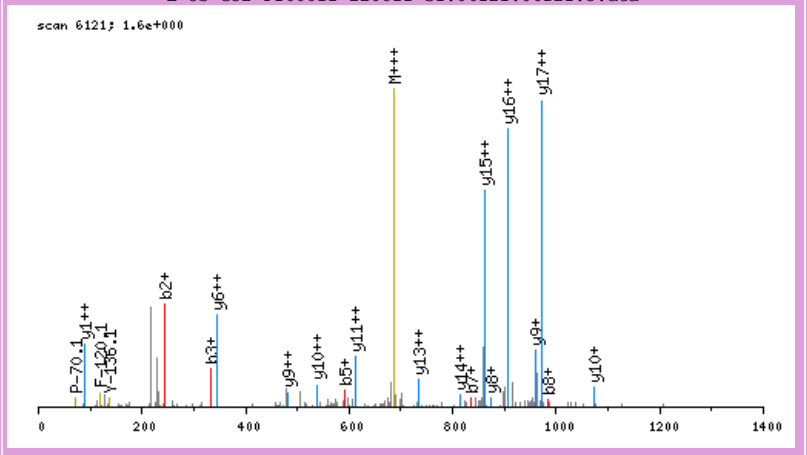


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

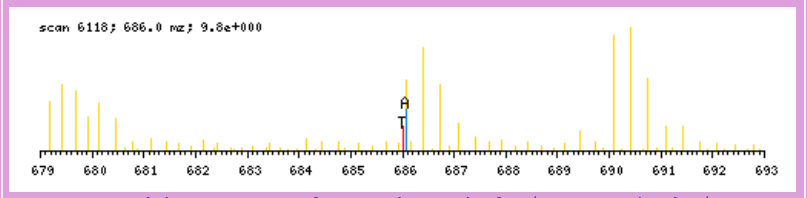
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
245.1137	2	E	11	1217.5762	609.2920
332.1458	3	S	10	1088.5336	544.7707
403.1829	4	A	9	1001.5016	501.2547
531.2414	5	Q	8	930.4645	465.7362
660.2840	6	E	7	802.4059	401.7069
773.3681	7	L	6	673.3633	337.1856
844.4052	8	A	5	560.2792	280.6435
973.4478	9	E	4	489.2421	245.1250
1030.4693	10	G	3	360.1995	180.6037
1158.5278	11	Q	2	303.1781	152.0930
	12	R	1	175.1195	88.0637

N-term:+29.04

SESPYEDFLSADSKVLGR, MH+ 2056.0239, m/z 686.0128
L OS G32 P160811 220811-s1.06121.06121.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

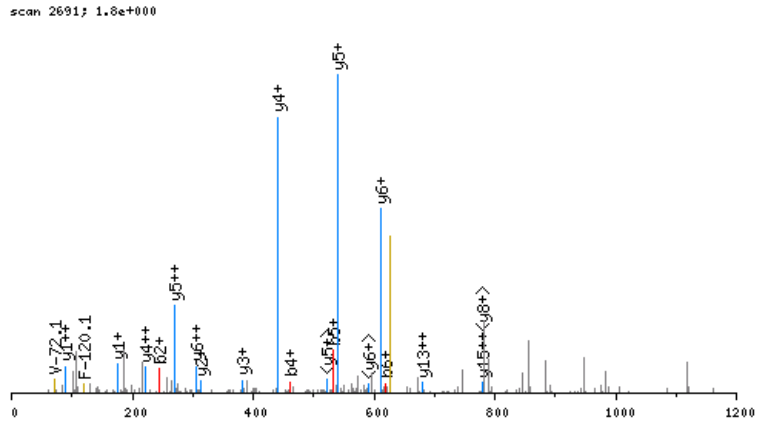
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
245.1137	2	E	17	1940.9606	**970.9842**
332.1458	3	S	16	1811.9180	**906.4629**
429.1985	4	P	15	1724.8860	**862.9469**
592.2618	5	Y	14	1627.8332	**814.4205**
721.3044	6	E	13	1464.7699	**732.8888**
836.3314	7	D	12	1335.7273	668.3676
983.3998	8	F	11	1220.7003	**610.8541**
1096.4839	9	L	10	**1073.6319**	**537.3199**
1183.5159	10	S	9	**960.5479**	**480.7778**
1254.5530	11	A	8	**873.5158**	437.2618
1369.5799	12	D	7	802.4787	401.7433
1456.6120	13	S	6	687.4518	**344.2298**
1612.7383	14	K	5	600.4197	300.7138
1711.8067	15	V	4	444.2934	222.6506
1824.8907	16	L	3	345.2250	173.1164
1881.9122	17	G	2	232.1410	116.5744
	18	R	1	175.1195	**88.0637**

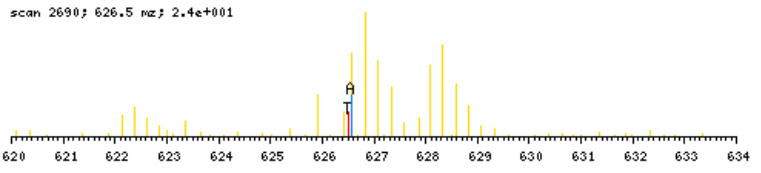
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SESQASDSEGHSDFSEGQAVGAHR, MH+ 2503.0722, m/z 626.5235
L OS G34 P160811 220811-s1.02691.02691.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



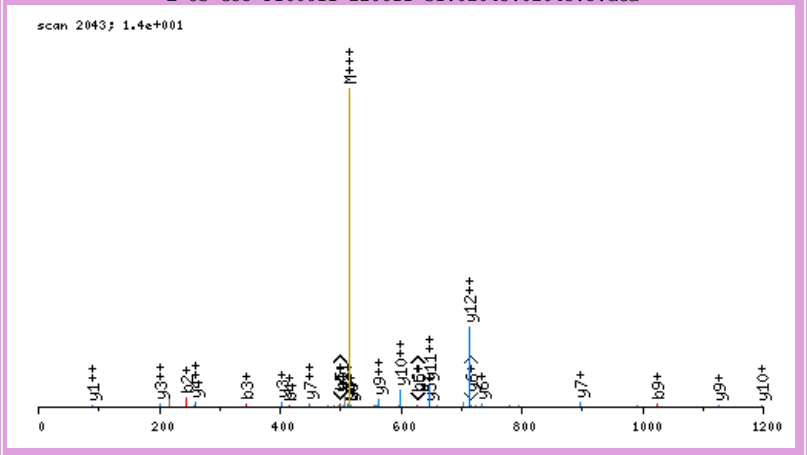
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
245.1137	2	E	23	2388.0088	1194.5083
332.1458	3	S	22	2258.9663	1129.9870
460.2043	4	Q	21	2171.9342	1086.4710
531.2414	5	A	20	2043.8756	1022.4417
618.2735	6	S	19	1972.8385	986.9232
733.3004	7	D	18	1885.8065	943.4072
820.3324	8	S	17	1770.7796	885.8937
949.3750	9	E	16	1683.7475	842.3777
1006.3965	10	G	15	1554.7049	**777.8564**
1143.4554	11	H	14	1497.6835	749.3457
1230.4874	12	S	13	1360.6246	**680.8162**
1345.5144	13	D	12	1273.5925	637.3002
1492.5828	14	F	11	1158.5656	579.7867
1579.6148	15	S	10	1011.4972	506.2525
1708.6574	16	E	9	924.4652	462.7365
1765.6789	17	G	8	795.4226	398.2152
1893.7375	18	Q	7	738.4011	369.7045
1964.7746	19	A	6	**610.3425**	**305.6752**
2063.8430	20	V	5	**539.3054**	**270.1566**
2120.8644	21	G	4	**440.2370**	**220.6224**
2191.9016	22	A	3	**383.2155**	192.1117
2328.9605	23	H	2	**312.1784**	156.5931
	24	R	1	**175.1195**	**88.0637**

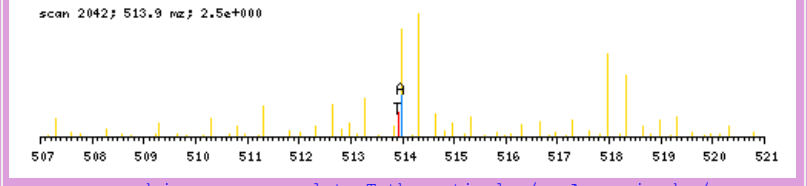
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEVATQYSEDKAR, MH+ 1539.7655, m/z 513.9267
L OS G33 P160811 220811-s1.02043.02043.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



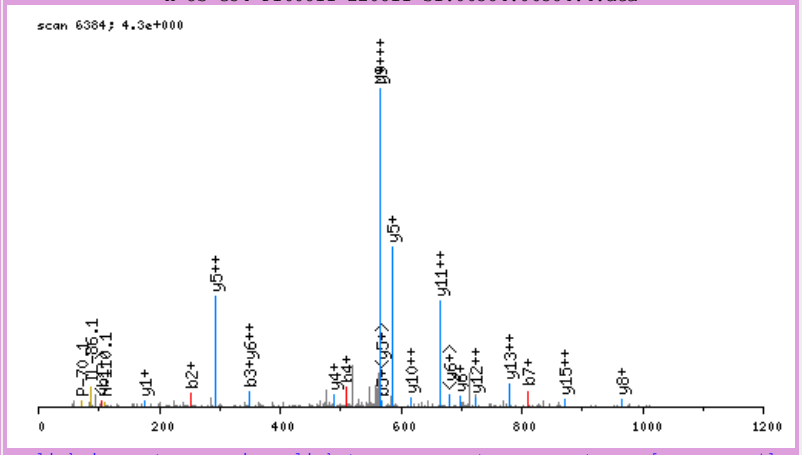
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
245.1137	2	E	12	1424.7022	712.8550
344.1821	3	V	11	1295.6596	648.3337
415.2192	4	A	10	1196.5912	598.7995
516.2669	5	T	9	1125.5541	563.2809
644.3255	6	Q	8	1024.5064	512.7571
807.3888	7	Y	7	896.4478	448.7278
894.4209	8	S	6	733.3845	367.1962
1023.4635	9	E	5	646.3525	323.6801
1138.4904	10	D	4	517.3099	259.1588
1294.6167	11	K	3	402.2829	201.6454
1365.6538	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

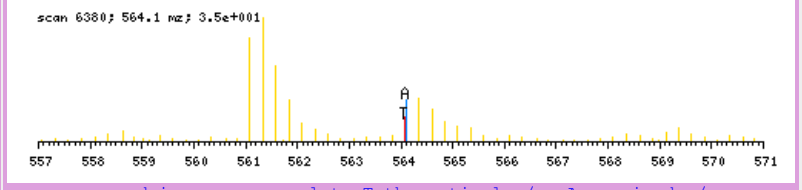
N-term:+29.04 K(11):+156.13

SEVCGQDITTKHMLPTVLR, MH+ 2253.2371, m/z 564.0647
H OS G34 P160811 220811-s1.06384.06384.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



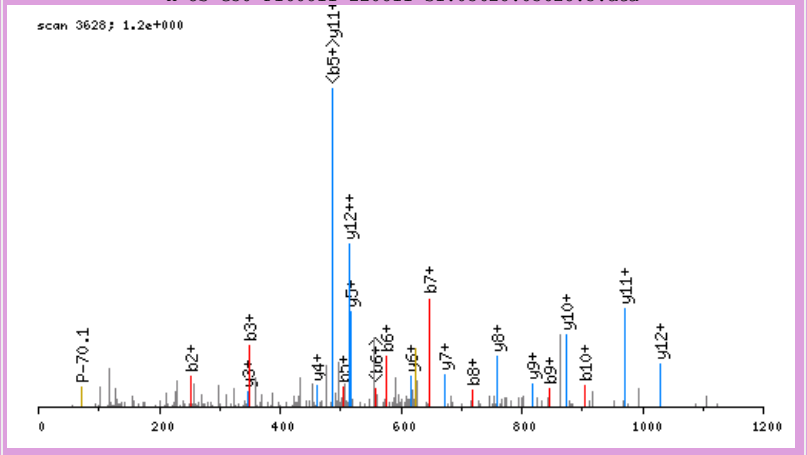
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
251.1455	2	E	18	2132.1420	1066.5749
350.2139	3	V	17	2003.0994	1002.0536
510.2445	4	C	16	1904.0310	952.5194
567.2660	5	G	15	1744.0004	**872.5041**
695.3246	6	Q	14	1686.9789	843.9934
810.3515	7	D	13	1558.9203	**779.9641**
923.4356	8	I	12	1443.8934	**722.4506**
1024.4833	9	T	11	1330.8093	**665.9086**
1125.5309	10	T	10	1229.7617	**615.3847**
1287.6890	11	K	9	1128.7140	**564.8609**
1424.7480	12	H	8	**966.5559**	483.7819
1555.7884	13	M	7	829.4970	415.2524
1668.8725	14	L	6	**698.4565**	**349.7322**
1765.9253	15	P	5	**585.3724**	**293.1901**
1866.9729	16	T	4	**488.3197**	244.6637
1966.0414	17	V	3	387.2720	194.1399
2079.1254	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

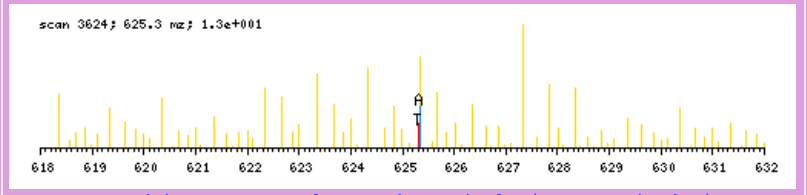
N-term:+35.07 C(4):+160.03
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEVPGAAAEGPGGSGVGLGDR, MH+ 1873.9468, m/z 625.3204
H OS G30 P160811 220811-s1.03628.03628.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



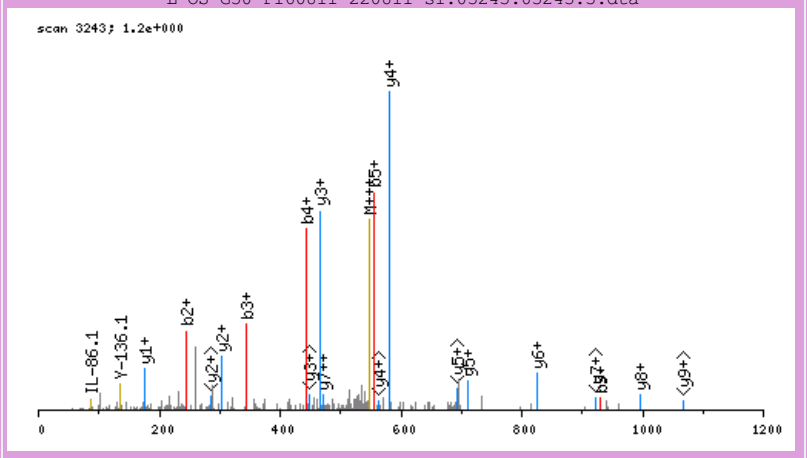
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
251.1455	2	E	20	1752.8517	876.9297
350.2139	3	V	19	1623.8091	812.4084
447.2667	4	P	18	1524.7407	762.8742
504.2882	5	G	17	1427.6879	714.3479
575.3253	6	A	16	1370.6664	685.8371
646.3624	7	A	15	1299.6293	650.3186
717.3995	8	A	14	1228.5922	614.8000
846.4421	9	E	13	1157.5551	579.2815
903.4636	10	G	12	1028.5125	514.7602
1000.5163	11	P	11	971.4910	486.2494
1057.5378	12	G	10	874.4383	437.7230
1114.5593	13	G	9	817.4168	409.2123
1201.5913	14	S	8	760.3953	380.7016
1258.6127	15	G	7	673.3633	337.1856
1357.6812	16	V	6	616.3418	308.6748
1414.7026	17	G	5	517.2734	259.1406
1527.7867	18	L	4	460.2520	230.6299
1584.8082	19	G	3	347.1679	174.0879
1699.8351	20	D	2	290.1464	145.5771
	21	R	1	175.1195	88.0637

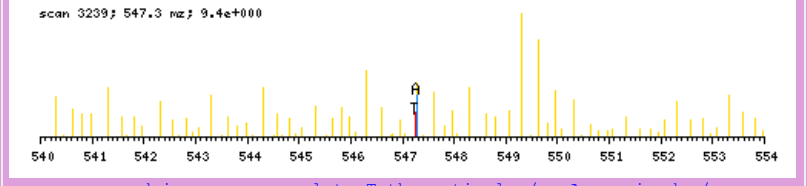
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEVVLSGDDEDYQR, MH+ 1639.7451, m/z 547.2532
L OS G30 P160811 220811-s1.03243.03243.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



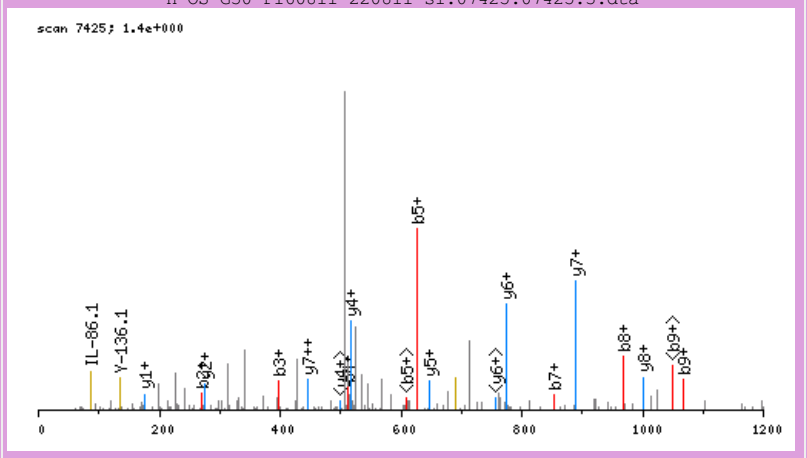
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
245.1137	2	E	13	1524.6818	762.8448
344.1821	3	V	12	1395.6392	698.3235
443.2505	4	V	11	1296.5708	648.7893
556.3346	5	L	10	1197.5024	599.2551
643.3666	6	S	9	1084.4183	542.7131
700.3881	7	G	8	**997.3863**	499.1971
815.4150	8	D	7	940.3648	**470.6863**
930.4420	9	D	6	**825.3379**	413.1729
1059.4846	10	E	5	**710.3109**	355.6594
1174.5115	11	D	4	**581.2683**	291.1381
1337.5749	12	Y	3	**466.2414**	233.6246
1465.6334	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

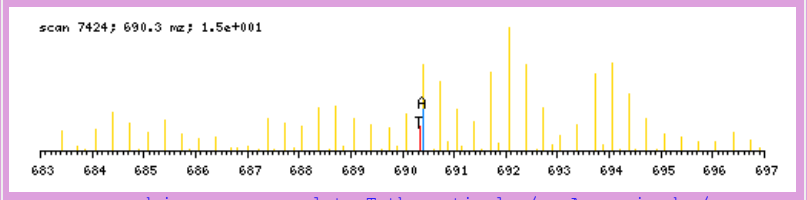
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFELDPEDTLLEENEVR, MH+ 2069.0138, m/z 690.3428
H OS G30 P160811 220811-s1.07425.07425.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



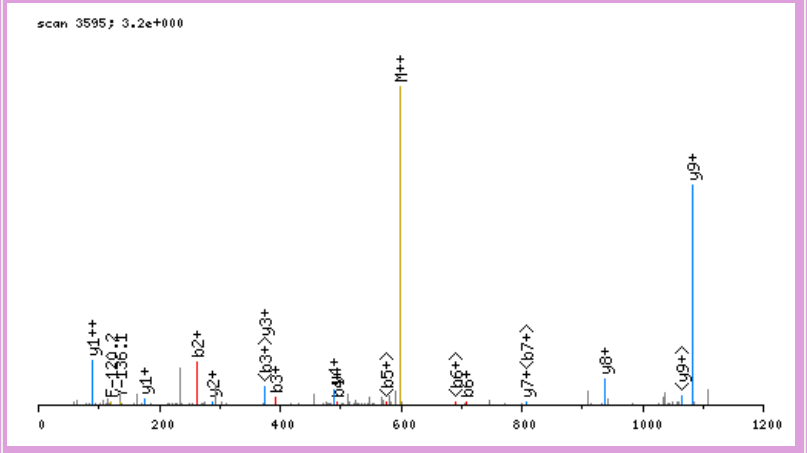
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
269.1713	2	F	16	1947.9187	974.4633
398.2139	3	E	15	1800.8503	900.9291
511.2980	4	L	14	1671.8077	836.4078
626.3249	5	D	13	1558.7237	779.8657
723.3777	6	P	12	1443.6967	722.3523
852.4203	7	E	11	1346.6440	673.8259
967.4472	8	D	10	1217.6014	609.3046
1068.4949	9	T	9	1102.5744	551.7911
1181.5790	10	L	8	1001.5267	501.2673
1294.6630	11	L	7	888.4427	444.7253
1423.7056	12	E	6	775.3586	388.1832
1552.7482	13	E	5	646.3160	323.6619
1666.7912	14	N	4	517.2734	259.1406
1795.8338	15	E	3	403.2305	202.1192
1894.9022	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

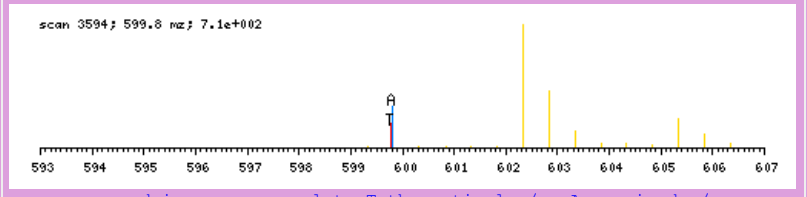
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFETTDDSLR, MH+ 1198.5591, m/z 599.7832
L OS G31 P160811 220811-s1.03595.03595.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



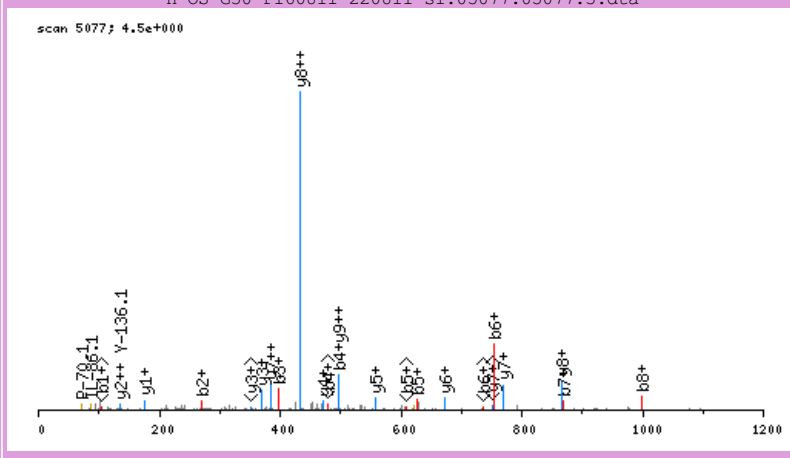
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	10		
263.1395	2	F	9	**1083.4958**	542.2518
392.1821	3	E	8	**936.4274**	468.7176
493.2298	4	T	7	**807.3848**	404.1963
594.2775	5	T	6	706.3372	353.6725
709.3044	6	D	5	605.2895	303.1487
824.3314	7	D	4	**490.2625**	245.6352
911.3634	8	S	3	**375.2356**	188.1217
1024.4475	9	L	2	**288.2036**	144.6057
	10	R	1	**175.1195**	**88.0637**

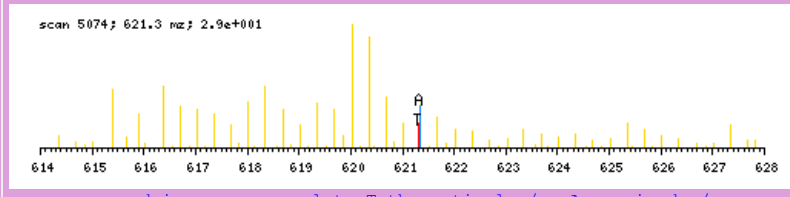
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFEVEEIEPPNSTPPR, MH+ 1861.9396, m/z 621.3180
H_OS_G30_P160811_220811-s1.05077.05077.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



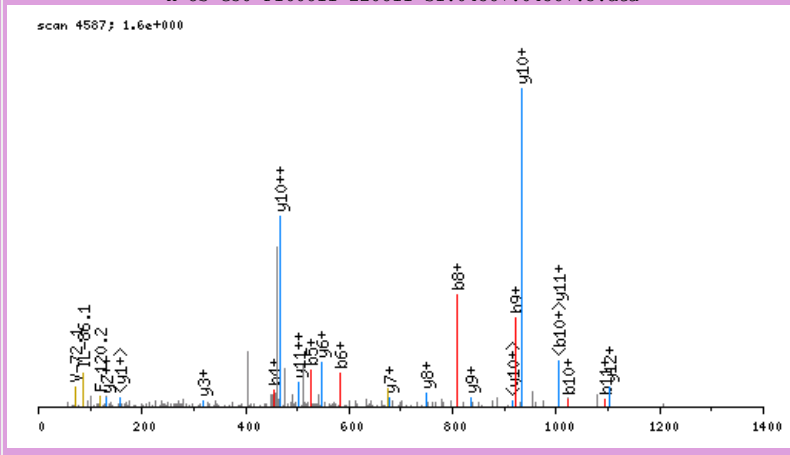
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
269.1713	2	F	15	1740.8445	870.9261
398.2139	3	E	14	1593.7760	797.3919
497.2823	4	V	13	1464.7334	732.8706
626.3249	5	E	12	1365.6650	683.3364
755.3675	6	E	11	1236.6224	618.8151
868.4516	7	I	10	1107.5798	554.2938
997.4942	8	E	9	994.4958	497.7518
1094.5470	9	P	8	865.4532	433.2305
1191.5997	10	P	7	768.4004	384.7041
1305.6426	11	N	6	671.3477	336.1777
1392.6747	12	S	5	557.3047	279.1563
1493.7224	13	T	4	470.2727	235.6403
1590.7751	14	P	3	369.2250	185.1164
1687.8279	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

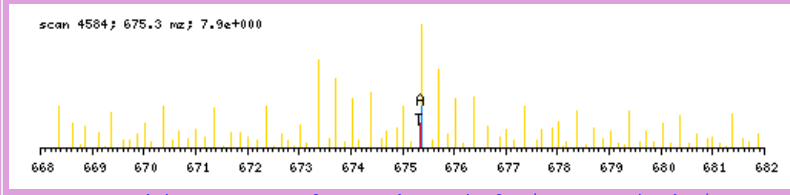
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFGEAGPEIVAPSAEGTAGSR, MH+ 2024.0148, m/z 675.3431
H OS G30 P160811 220811-s1.04587.04587.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



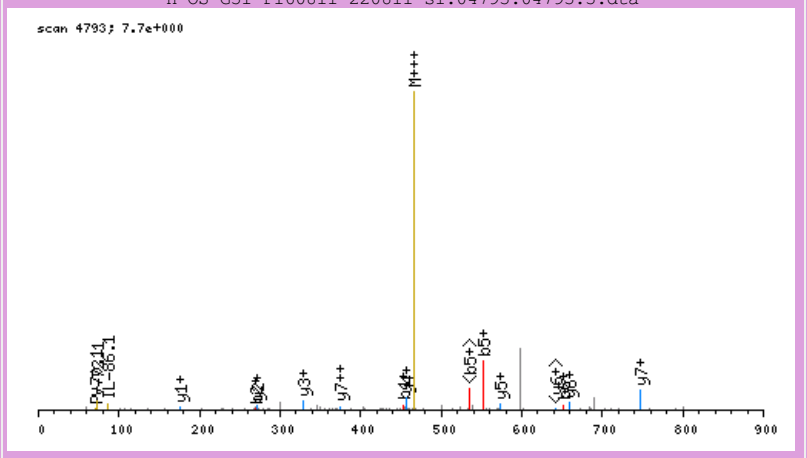
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
269.1713	2	F	20	1902.9197	951.9638
326.1928	3	G	19	1755.8513	878.4296
455.2354	4	E	18	1698.8299	849.9188
526.2725	5	A	17	1569.7873	785.3975
583.2940	6	G	16	1498.7502	749.8790
680.3467	7	P	15	1441.7287	721.3683
809.3893	8	E	14	1344.6759	672.8419
922.4734	9	I	13	1215.6333	608.3206
1021.5418	10	V	12	**1102.5493**	551.7786
1092.5789	11	A	11	**1003.4809**	**502.2443**
1189.6317	12	P	10	**932.4437**	**466.7258**
1276.6637	13	S	9	**835.3910**	418.1994
1347.7008	14	A	8	**748.3590**	374.6834
1476.7434	15	E	7	**677.3218**	339.1648
1533.7649	16	G	6	**548.2792**	274.6435
1634.8126	17	T	5	491.2578	246.1328
1705.8497	18	A	4	390.2101	195.6090
1762.8711	19	G	3	**319.1730**	160.0904
1849.9032	20	S	2	262.1515	**131.5797**
	21	R	1	175.1195	88.0637

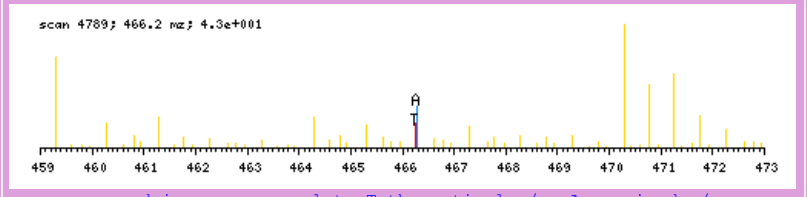
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFPSVVSSDQGPR, MH+ 1396.7284, m/z 466.2477
H OS G31 P160811 220811-s1.04793.04793.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



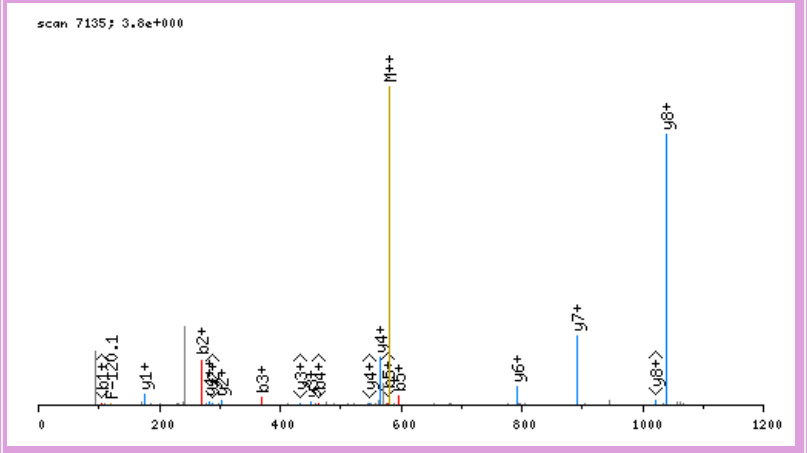
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
269.1713	2	F	12	1275.6333	638.3206
366.2241	3	P	11	1128.5649	564.7864
453.2561	4	S	10	1031.5122	516.2600
552.3245	5	V	9	944.4801	472.7440
651.3930	6	V	8	845.4117	423.2098
738.4250	7	S	7	**746.3433**	**373.6756**
825.4570	8	S	6	**659.3113**	330.1596
940.4840	9	D	5	**572.2792**	286.6435
1068.5425	10	Q	4	**457.2523**	229.1301
1125.5640	11	G	3	**329.1937**	165.1008
1222.6168	12	P	2	**272.1723**	136.5900
	13	R	1	**175.1195**	88.0637

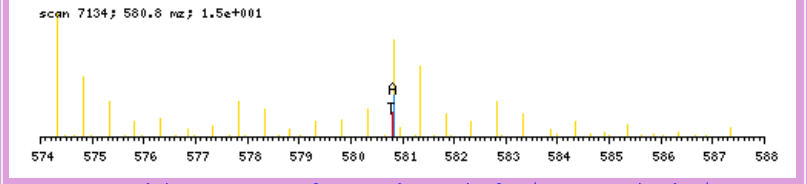
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFVNDIFER, MH+ 1160.6164, m/z 580.8118
H OS G31 P160811 220811-s1.07135.07135.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



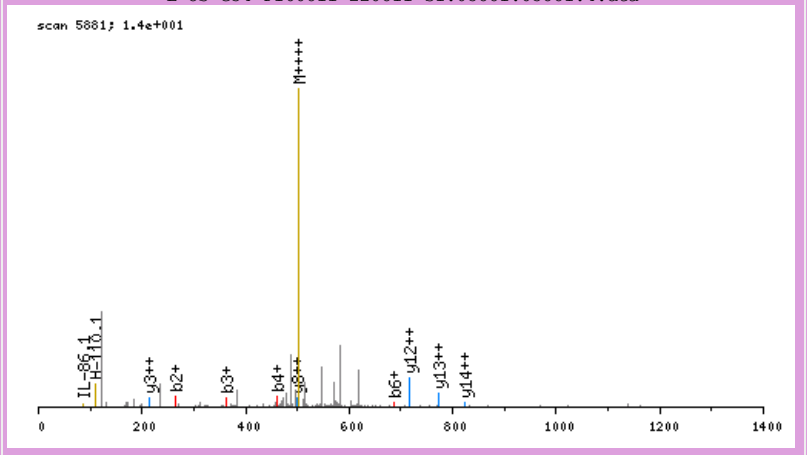
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	9		
269.1713	2	F	8	1039.5213	520.2645
368.2398	3	V	7	892.4529	446.7303
482.2827	4	N	6	793.3844	397.1961
597.3096	5	D	5	679.3415	340.1747
710.3937	6	I	4	564.3146	282.6612
857.4621	7	F	3	451.2305	226.1192
986.5047	8	E	2	304.1621	152.5850
	9	R	1	175.1195	88.0637

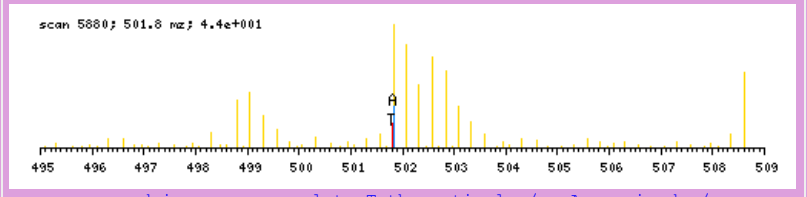
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SFVVLLASYVVILFHLR, MH+ 2004.2050, m/z 501.8067
L OS G34 P160811 220811-s1.05881.05881.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

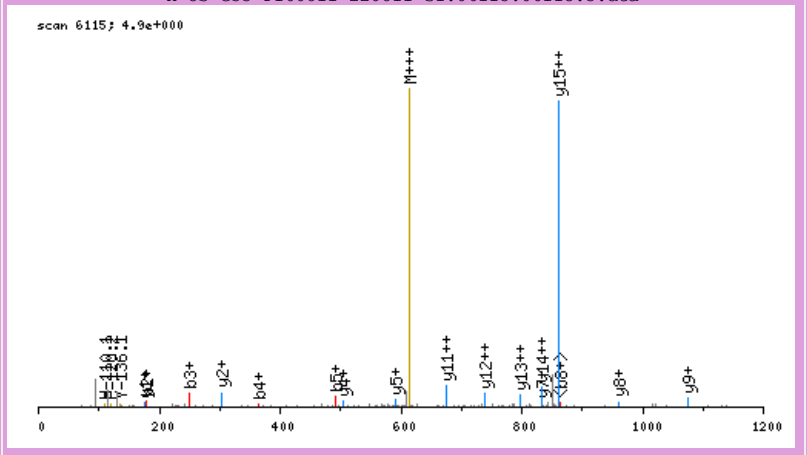


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

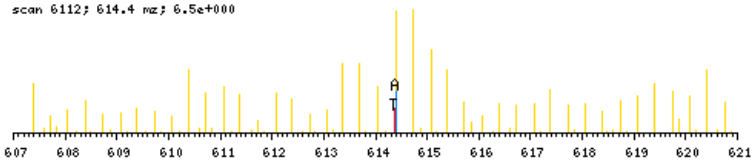
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
263.1395	2	F	16	1889.1417	945.0748
362.2080	3	V	15	1742.0733	871.5405
461.2764	4	V	14	1643.0049	**822.0063**
574.3604	5	L	13	1543.9364	**772.4721**
687.4445	6	L	12	1430.8524	**715.9301**
758.4816	7	A	11	1317.7683	659.3881
845.5136	8	S	10	1246.7312	623.8695
1008.5770	9	Y	9	1159.6992	580.3535
1107.6454	10	V	8	996.6358	**498.8218**
1206.7138	11	V	7	897.5674	449.2876
1319.7979	12	I	6	798.4990	399.7534
1432.8819	13	L	5	685.4150	343.2114
1579.9503	14	F	4	572.3309	286.6694
1717.0093	15	H	3	425.2625	**213.1352**
1830.0933	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

N-term:+29.04

SGALELKLQELSAEER, MH+ 1841.0656, m/z 614.3601
H_OS_G33_P160811_220811-s1.06115.06115.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

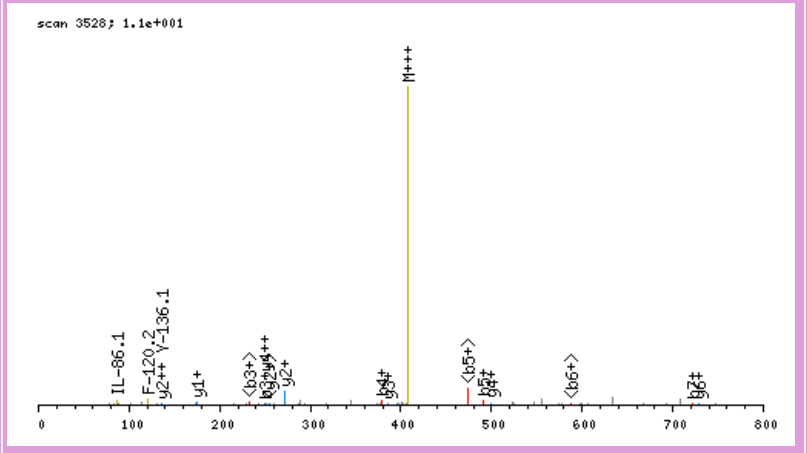
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
179.1244	2	G	15	1719.9705	**860.4892**
250.1615	3	A	14	1662.9491	**831.9784**
363.2456	4	L	13	1591.9119	**796.4599**
492.2882	5	E	12	1478.8279	**739.9179**
605.3722	6	L	11	1349.7853	**675.3966**
767.5303	7	K	10	1236.7012	618.8545
880.6144	8	L	9	**1074.5431**	537.7755
1008.6730	9	Q	8	**961.4591**	481.2334
1137.7156	10	E	7	**833.4005**	417.2042
1250.7996	11	L	6	704.3579	352.6829
1337.8317	12	S	5	**591.2738**	296.1408
1408.8688	13	A	4	**504.2418**	252.6248
1537.9114	14	E	3	433.2047	217.1063
1666.9540	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

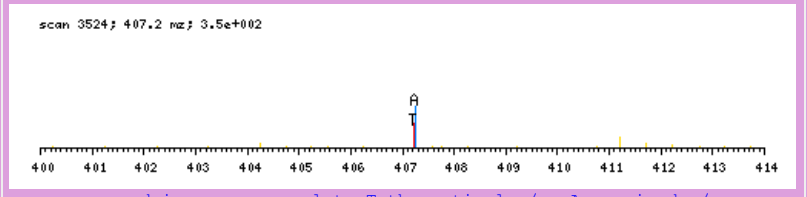
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGAQIDDNIPR, MH+ 1219.6495, m/z 407.2213
H OS G31 P160811 220811-s1.03528.03528.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



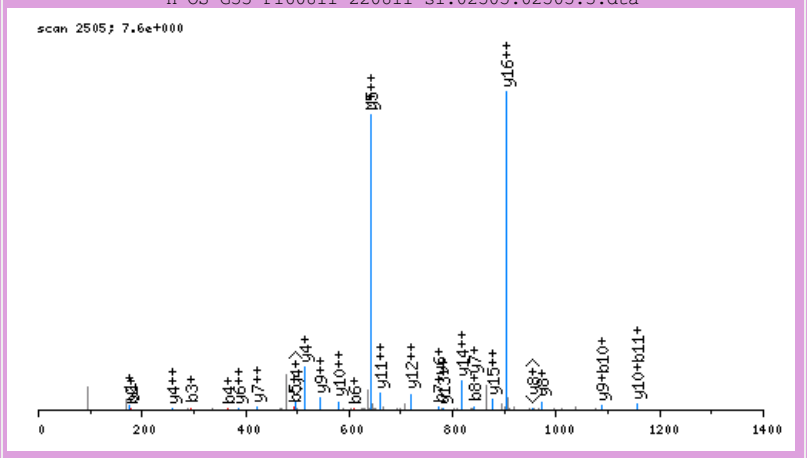
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
179.1244	2	G	10	1098.5544	549.7811
250.1615	3	A	9	1041.5329	521.2704
378.2201	4	Q	8	970.4958	485.7518
491.3041	5	I	7	842.4372	421.7225
606.3311	6	D	6	**729.3531**	365.1805
721.3580	7	D	5	614.3262	307.6670
835.4010	8	N	4	**499.2993**	**250.1535**
948.4850	9	I	3	**385.2563**	193.1321
1045.5378	10	P	2	**272.1723**	**136.5900**
	11	R	1	**175.1195**	88.0637

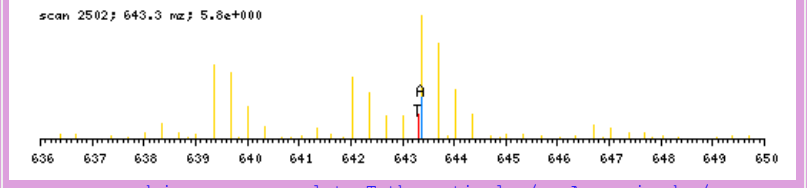
N-term:+35.07

SGDAEDKADEAQEPLER, MH+ 1927.9521, m/z 643.3222
H OS G33 P160811 220811-s1.02505.02505.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



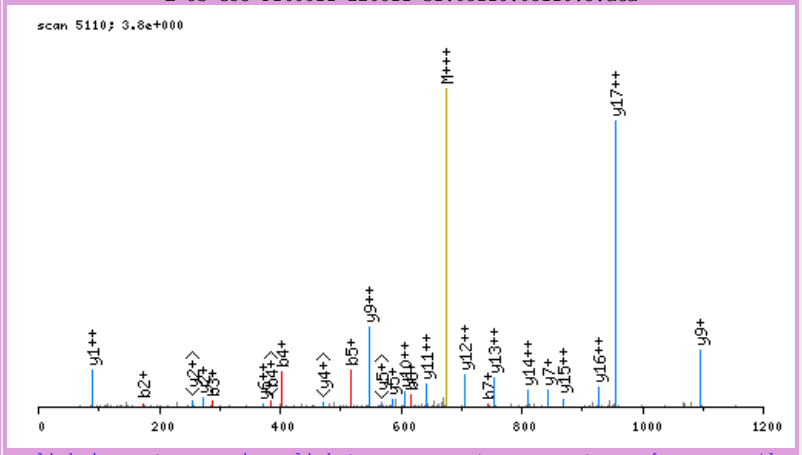
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
179.1244	2	G	16	1806.8570	903.9324
294.1513	3	D	15	1749.8355	875.4217
365.1884	4	A	14	1634.8086	817.9082
494.2310	5	E	13	1563.7715	782.3897
609.2580	6	D	12	1434.7289	717.8684
771.4161	7	K	11	1319.7020	660.3549
842.4532	8	A	10	1157.5439	579.2758
957.4801	9	D	9	1086.5067	543.7573
1086.5227	10	E	8	971.4798	486.2438
1157.5598	11	A	7	842.4372	421.7225
1285.6184	12	Q	6	771.4001	386.2040
1414.6610	13	E	5	643.3415	322.1747
1511.7138	14	P	4	514.2989	257.6534
1624.7978	15	L	3	417.2462	209.1270
1753.8404	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

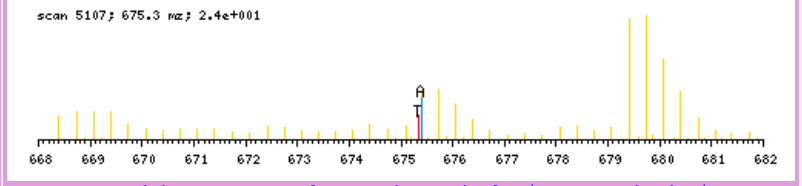
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SGDDLVEALPKPCPGCPR, MH+ 2023.9944, m/z 675.3363
L OS G33 P160811 220811-s1.05110.05110.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

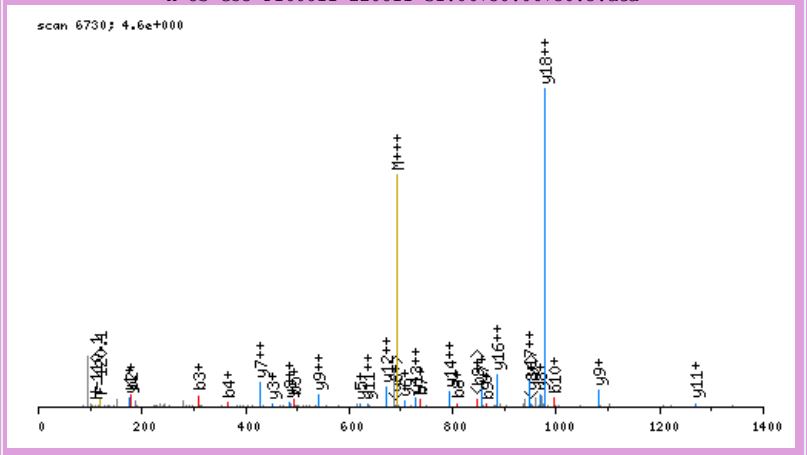


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

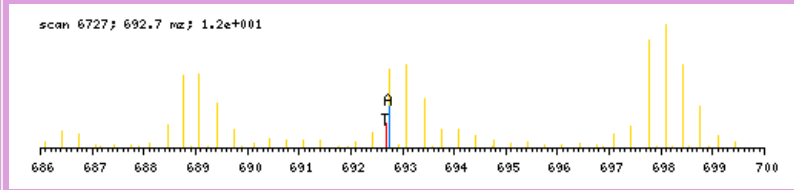
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
173.0926	2	G	17	1908.9311	**954.9695**
288.1195	3	D	16	1851.9097	**926.4587**
403.1465	4	D	15	1736.8827	**868.9453**
516.2305	5	L	14	1621.8558	**811.4318**
615.2990	6	V	13	1508.7717	**754.8898**
744.3415	7	E	12	1409.7033	**705.3556**
815.3787	8	A	11	1280.6607	**640.8343**
928.4627	9	L	10	1209.6236	**605.3157**
1025.5155	10	P	9	**1096.5395**	**548.7737**
1181.6418	11	K	8	999.4868	500.2473
1278.6946	12	P	7	**843.3605**	422.1841
1438.7252	13	C	6	746.3077	**373.6578**
1535.7779	14	P	5	**586.2771**	293.6425
1592.7994	15	G	4	489.2243	245.1161
1752.8300	16	C	3	432.2029	216.6053
1849.8827	17	P	2	**272.1723**	136.5900
	18	R	1	175.1195	**88.0637**

N-term:+29.04 K(11):+156.13
C(13):+160.03 C(16):+160.03

SGEGQEDAGELDFSGLLKR, MH+ 2076.0886, m/z 692.7010
H OS G33 P160811 220811-s1.06730.06730.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

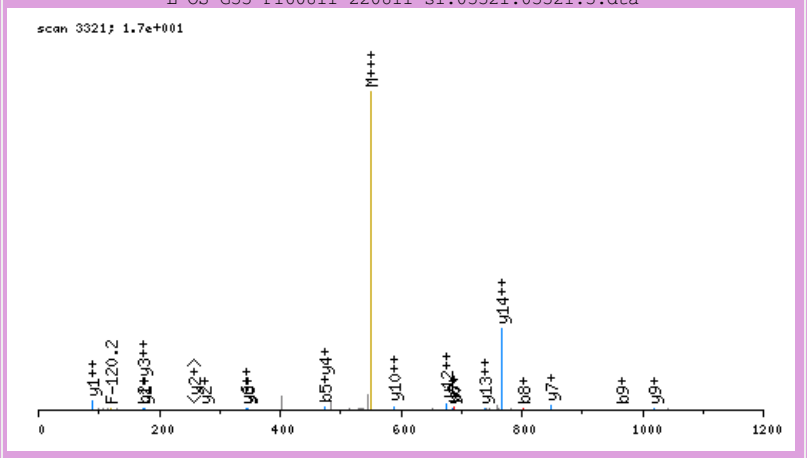
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
179.1244	2	G	18	1954.9934	**978.0006**
308.1670	3	E	17	1897.9720	**949.4899**
365.1884	4	G	16	1768.9294	**884.9686**
493.2470	5	Q	15	1711.9079	856.4579
622.2896	6	E	14	1583.8493	**792.4286**
737.3166	7	D	13	1454.8068	**727.9073**
808.3537	8	A	12	1339.7798	**670.3938**
865.3751	9	G	11	**1268.7427**	**634.8753**
994.4177	10	E	10	1211.7212	606.3645
1107.5018	11	L	9	**1082.6786**	**541.8432**
1222.5287	12	D	8	**969.5946**	**485.3012**
1369.5972	13	F	7	**854.5676**	**427.7877**
1456.6292	14	S	6	**707.4992**	354.2535
1513.6506	15	G	5	**620.4672**	310.7375
1626.7347	16	L	4	563.4457	282.2268
1739.8188	17	L	3	**450.3617**	225.6847
1901.9769	18	K	2	337.2776	169.1427
	19	R	1	**175.1195**	88.0637

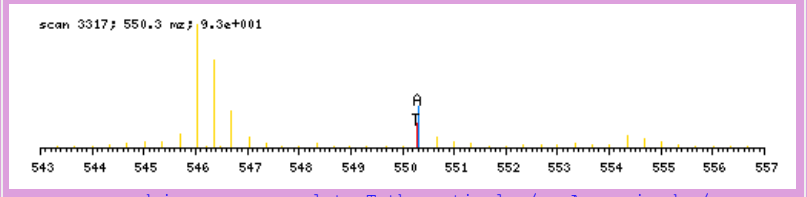
N-term:+35.07 K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGETAKGDYPLEAVR, MH+ 1648.8546, m/z 550.2897
L OS G33 P160811 220811-s1.03321.03321.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



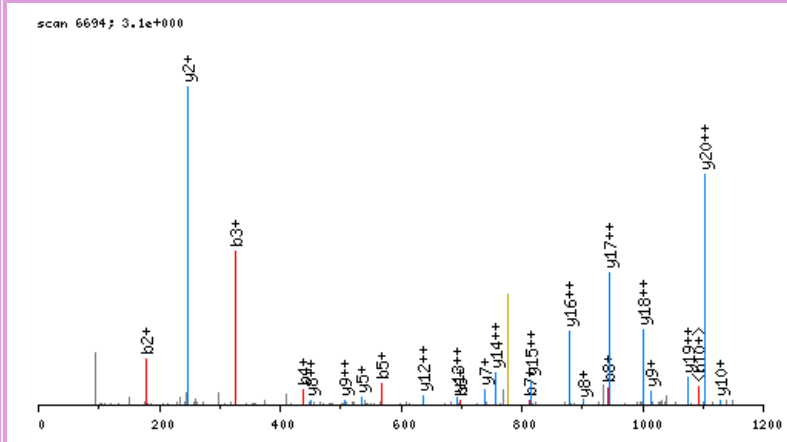
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
173.0926	2	G	14	1533.7913	**767.3996**
302.1352	3	E	13	1476.7699	**738.8888**
403.1829	4	T	12	1347.7273	**674.3676**
474.2200	5	A	11	1246.6796	623.8437
630.3463	6	K	10	1175.6425	**588.3252**
687.3677	7	G	9	**1019.5162**	510.2620
802.3947	8	D	8	962.4947	481.7513
965.4580	9	Y	7	**847.4678**	424.2378
1062.5108	10	P	6	**684.4044**	**342.7061**
1175.5948	11	L	5	587.3517	294.1798
1304.6374	12	E	4	**474.2676**	237.6377
1375.6745	13	A	3	**345.2250**	**173.1164**
1474.7430	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	**88.0637**

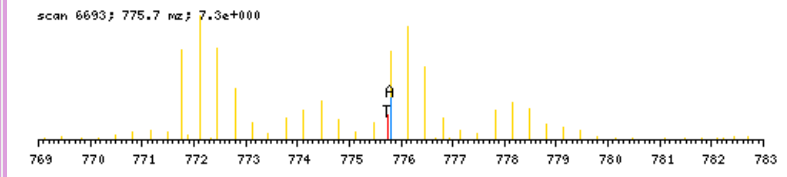
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SGFIEEDELGSILKGFSSDAR, MH+ 2325.2250, m/z 775.7465
H OS G32 P160811 220811-s1.06694.06694.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



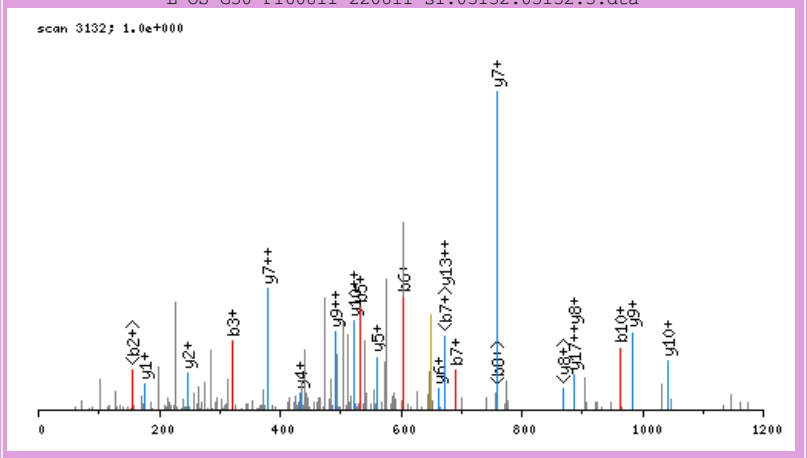
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
179.1244	2	G	20	2204.1299	**1102.5689**
326.1928	3	F	19	2147.1085	**1074.0582**
439.2769	4	I	18	2000.0401	**1000.5239**
568.3195	5	E	17	1886.9560	**943.9819**
697.3621	6	E	16	1757.9134	**879.4606**
812.3890	7	D	15	1628.8708	**814.9393**
941.4316	8	E	14	1513.8439	**757.4258**
1054.5157	9	L	13	1384.8013	**692.9046**
1111.5371	10	G	12	1271.7172	**636.3625**
1198.5691	11	S	11	1214.6957	607.8518
1311.6532	12	I	10	**1127.6637**	564.3358
1424.7373	13	L	9	**1014.5797**	**507.7937**
1586.8954	14	K	8	**901.4956**	**451.2517**
1643.9168	15	G	7	**739.3375**	370.1727
1790.9853	16	F	6	682.3160	341.6619
1878.0173	17	S	5	**535.2476**	268.1277
1965.0493	18	S	4	448.2156	224.6117
2080.0763	19	D	3	361.1836	181.0957
2151.1134	20	A	2	**246.1566**	123.5822
	21	R	1	175.1195	88.0637

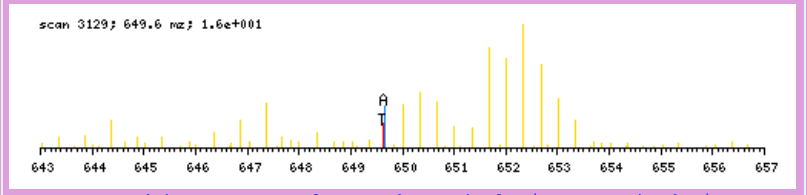
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGFPDASSEGPEPTQGEAR, MH+ 1946.8732, m/z 649.6292
L OS G30 P160811 220811-s1.03132.03132.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



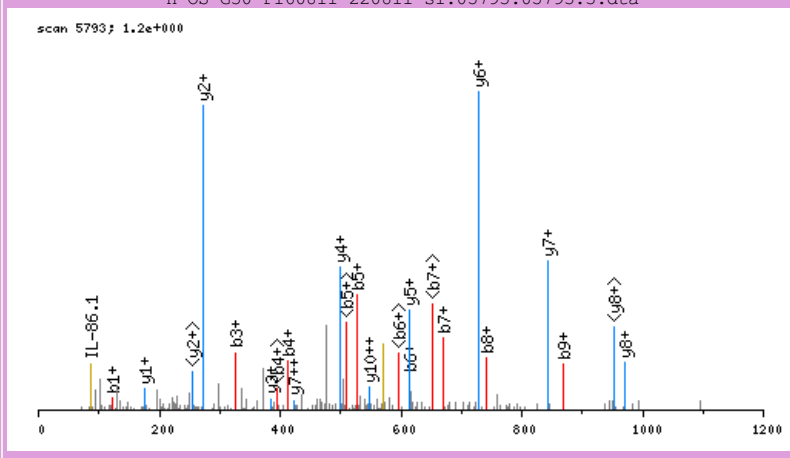
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	1831.8099	916.4088
320.1610	3	F	17	1774.7884	**887.8981**
417.2138	4	P	16	1627.7200	814.3639
532.2407	5	D	15	1530.6672	765.8375
603.2778	6	A	14	1415.6403	708.3241
690.3099	7	S	13	1344.6032	**672.8055**
777.3419	8	S	12	1257.5711	629.2895
906.3845	9	E	11	1170.5391	585.7735
963.4059	10	G	10	**1041.4965**	**521.2522**
1060.4587	11	P	9	**984.4750**	**492.7414**
1189.5013	12	E	8	**887.4223**	444.2151
1286.5541	13	P	7	**758.3797**	**379.6938**
1387.6017	14	T	6	**661.3269**	331.1674
1515.6603	15	Q	5	**560.2792**	280.6435
1572.6818	16	G	4	**432.2207**	216.6142
1701.7244	17	E	3	375.1992	188.1035
1772.7615	18	A	2	**246.1566**	123.5822
	19	R	1	**175.1195**	88.0637

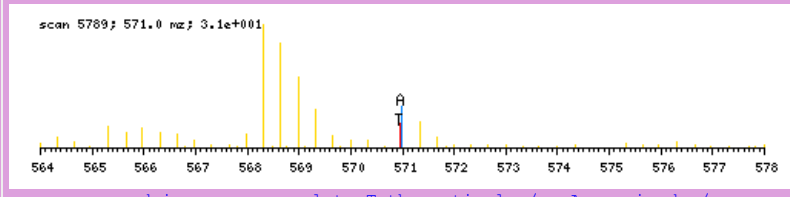
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGFSLSGAQIDDNIPR, MH+ 1710.8875, m/z 570.9673
H OS G30 P160811 220811-s1.05793.05793.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

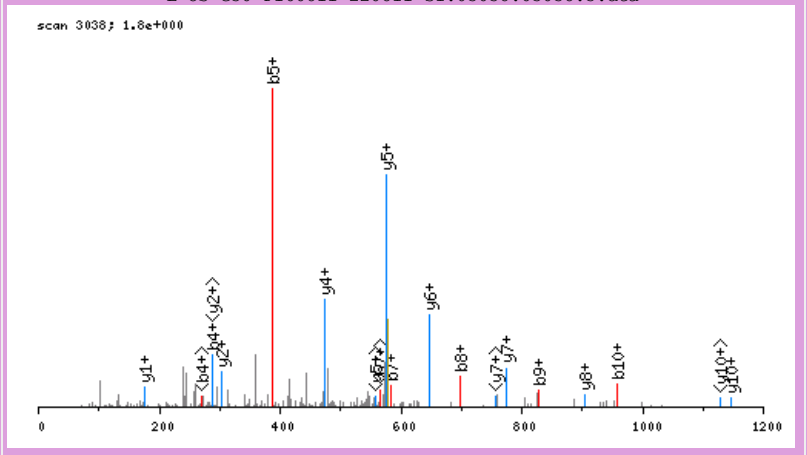


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

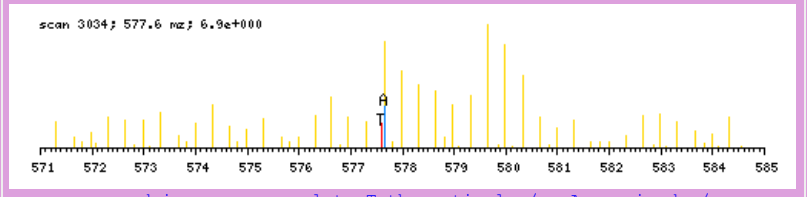
b^+	#	AA	#	y^+	y^{2+}
122.1029	**1**	**S**	**16**		
179.1244	**2**	**G**	**15**	1589.7924	795.4001
326.1928	**3**	**F**	**14**	1532.7709	766.8894
413.2248	**4**	**S**	**13**	1385.7025	693.3552
526.3089	**5**	**L**	**12**	1298.6705	649.8391
613.3409	**6**	**S**	**11**	1185.5864	593.2971
670.3624	**7**	**G**	**10**	1098.5544	**549.7811**
741.3995	**8**	**A**	**9**	1041.5329	521.2704
869.4581	**9**	**Q**	**8**	**970.4958**	485.7518
982.5421	**10**	**I**	**7**	**842.4372**	**421.7225**
1097.5691	**11**	**D**	**6**	**729.3531**	365.1805
1212.5960	**12**	**D**	**5**	**614.3262**	307.6670
1326.6390	**13**	**N**	**4**	**499.2993**	250.1535
1439.7230	**14**	**I**	**3**	**385.2563**	193.1321
1536.7758	**15**	**P**	**2**	**272.1723**	136.5900
	16	**R**	**1**	**175.1195**	88.0637

N-term:+35.07

SGGGVPTDEEQATGLER, MH+ 1730.8197, m/z 577.6114
L OS G30 P160811 220811-s1.03038.03038.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



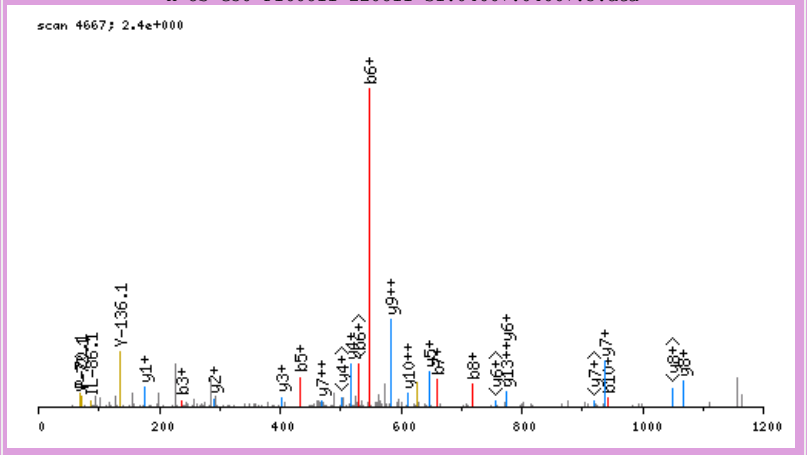
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

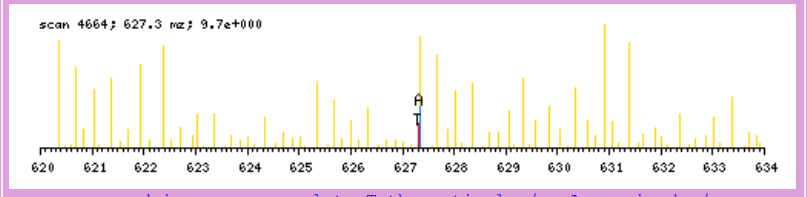
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
173.0926	2	G	16	1615.7564	808.3821
230.1141	3	G	15	1558.7349	779.8714
287.1355	4	G	14	1501.7134	751.3606
386.2039	5	V	13	1444.6920	722.8499
483.2567	6	P	12	1345.6236	673.3157
584.3044	7	T	11	1248.5708	624.7893
699.3313	8	D	10	**1147.5231**	574.2655
828.3739	9	E	9	1032.4962	516.7520
957.4165	10	E	8	**903.4536**	452.2307
1085.4751	11	Q	7	**774.4110**	387.7094
1156.5122	12	A	6	**646.3524**	323.6801
1257.5599	13	T	5	**575.3153**	288.1616
1314.5813	14	G	4	**474.2676**	237.6377
1427.6654	15	L	3	417.2462	209.1270
1556.7080	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

N-term:+29.04

SGGPVDIGPEYQQDLDR, MH+ 1879.9250, m/z 627.3132
H OS G30 P160811 220811-s1.04667.04667.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

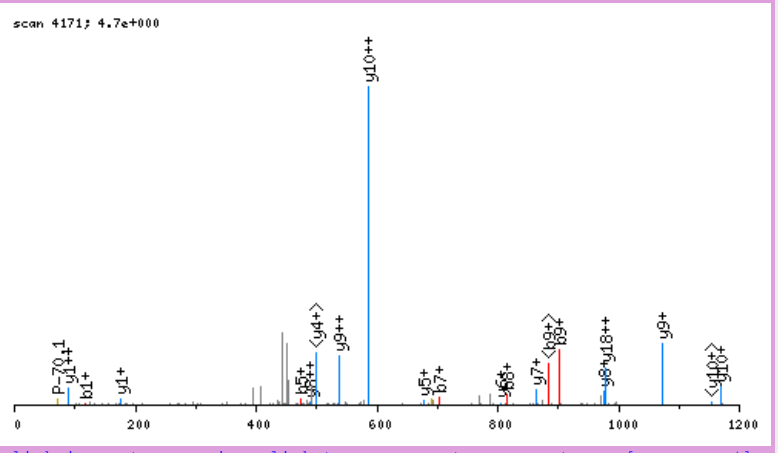
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
179.1244	2	G	16	1758.8299	879.9188
236.1459	3	G	15	1701.8084	851.4081
333.1986	4	P	14	1644.7869	822.8974
432.2670	5	V	13	1547.7342	**774.3710**
547.2940	6	D	12	1448.6658	724.8368
660.3780	7	I	11	1333.6388	667.3233
717.3995	8	G	10	1220.5548	**610.7813**
814.4523	9	P	9	1163.5333	**582.2706**
943.4949	10	E	8	**1066.4805**	533.7442
1106.5582	11	Y	7	**937.4379**	**469.2229**
1234.6168	12	Q	6	**774.3746**	387.6912
1362.6753	13	Q	5	**646.3160**	323.6619
1477.7023	14	D	4	**518.2575**	259.6326
1590.7864	15	L	3	**403.2305**	202.1192
1705.8133	16	D	2	**290.1464**	145.5771
	17	R	1	**175.1195**	88.0637

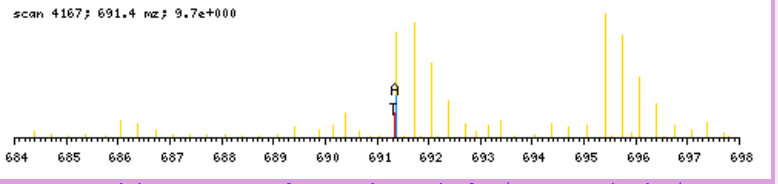
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SGGSKDNLSPPLGQCLTER, MH+ 2072.0446, m/z 691.3530
L OS G33 P160811 220811-s1.04171.04171.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

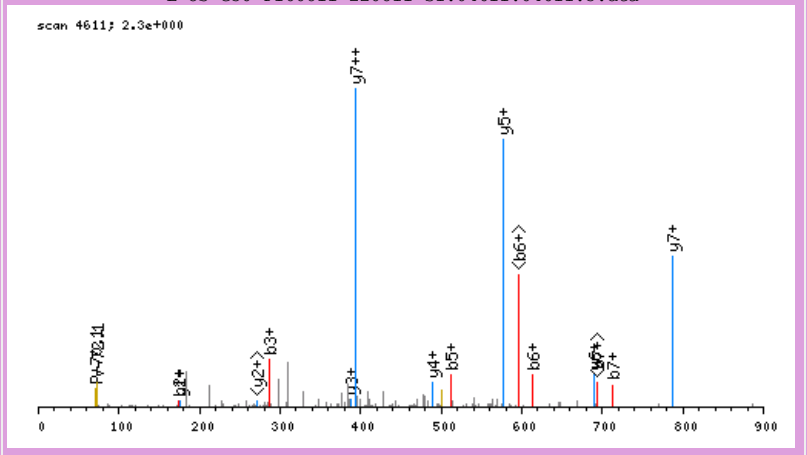


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

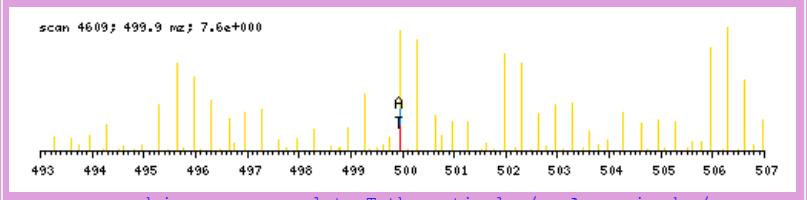
b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**19**		
173.0926	**2**	**G**	**18**	1956.9813	**978.9946**
230.1141	**3**	**G**	**17**	1899.9598	950.4838
317.1461	**4**	**S**	**16**	1842.9384	921.9731
473.2724	**5**	**K**	**15**	1755.9063	878.4571
588.2993	**6**	**D**	**14**	1599.7800	800.3939
702.3423	**7**	**N**	**13**	1484.7531	742.8805
815.4263	**8**	**L**	**12**	1370.7102	685.8590
902.4583	**9**	**S**	**11**	1257.6261	629.3170
999.5111	**10**	**P**	**10**	**1170.5941**	**585.8009**
1096.5639	**11**	**P**	**9**	**1073.5413**	**537.2746**
1209.6479	**12**	**L**	**8**	**976.4885**	**488.7482**
1266.6694	**13**	**G**	**7**	**863.4045**	432.2062
1394.7280	**14**	**Q**	**6**	**806.3830**	403.6954
1554.7586	**15**	**C**	**5**	**678.3244**	339.6661
1667.8426	**16**	**L**	**4**	518.2938	259.6508
1768.8903	**17**	**T**	**3**	405.2098	203.1088
1897.9329	**18**	**E**	**2**	304.1621	152.5850
	19	**R**	**1**	**175.1195**	**88.0637**

N-term:+29.04 K(5):+156.13
C(15):+160.03

SGIPETVPLSTVNR, MH+ 1497.8277, m/z 499.9474
L OS G30 P160811 220811-s1.04611.04611.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

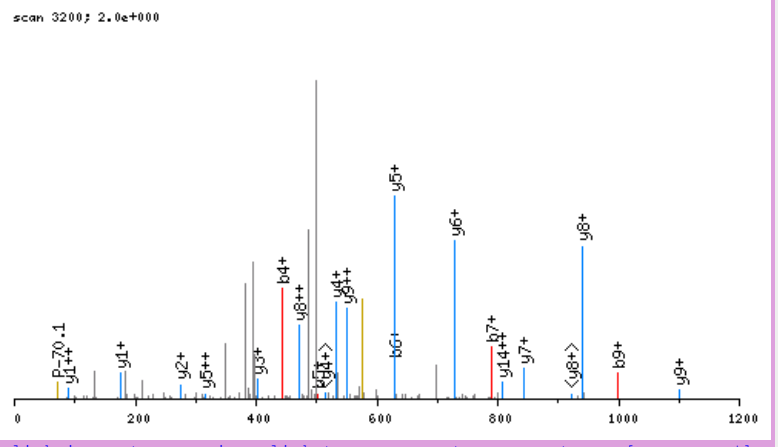
X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
173.0926	2	G	13	1382.7644	691.8861
286.1767	3	I	12	1325.7429	663.3754
383.2294	4	P	11	1212.6588	606.8333
512.2720	5	E	10	1115.6061	558.3069
613.3197	6	T	9	986.5635	493.7856
712.3881	7	V	8	885.5158	443.2618
809.4409	8	P	7	**786.4474**	**393.7276**
922.5249	9	L	6	**689.3946**	345.2012
1009.5570	10	S	5	**576.3105**	288.6592
1110.6046	11	T	4	**489.2785**	245.1432
1209.6731	12	V	3	**388.2308**	194.6193
1323.7160	13	N	2	289.1624	145.0851
	14	R	1	**175.1195**	88.0637

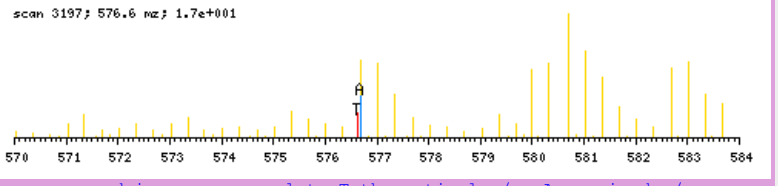
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGKDGQCPLVVEQVR, MH+ 1727.9114, m/z 576.6420
L OS G33 P160811 220811-s1.03200.03200.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



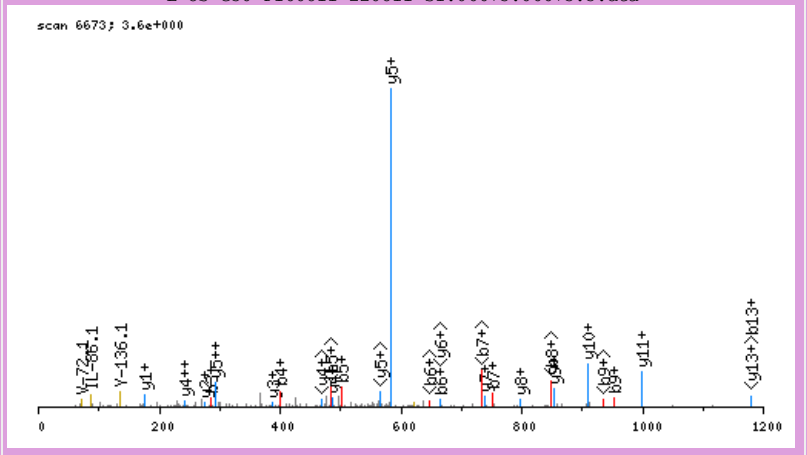
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
173.0926	2	G	14	1612.8481	**806.9280**
329.2189	3	K	13	1555.8266	778.4172
444.2458	4	D	12	1399.7003	700.3541
501.2673	5	G	11	1284.6734	642.8406
629.3259	6	Q	10	1227.6519	614.3299
789.3565	7	C	9	**1099.5933**	**550.3006**
886.4092	8	P	8	**939.5627**	**470.2853**
999.4933	9	L	7	**842.5100**	421.7589
1098.5617	10	V	6	**729.4259**	365.2169
1197.6301	11	V	5	**630.3575**	**315.6827**
1326.6727	12	E	4	**531.2891**	266.1485
1454.7313	13	Q	3	**402.2465**	201.6272
1553.7997	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	**88.0637**

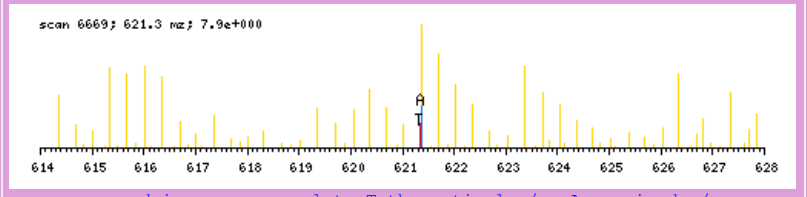
N-term:+29.04 K(3):+156.13
C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGLDTYSLSGGGGVPVLVR, MH+ 1862.0023, m/z 621.3390
L OS G30 P160811 220811-s1.06673.06673.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



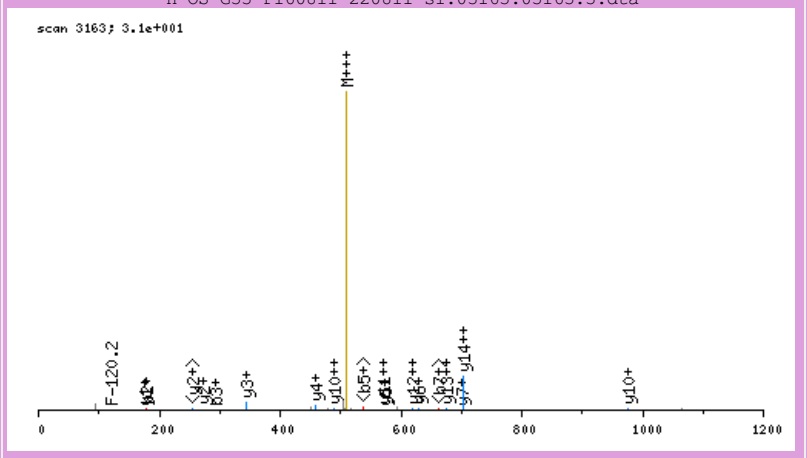
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	1746.9390	873.9734
286.1767	3	L	17	1689.9176	845.4627
401.2036	4	D	16	1576.8335	788.9207
502.2513	5	T	15	1461.8066	731.4072
665.3146	6	Y	14	1360.7589	680.8833
752.3466	7	S	13	1197.6955	599.3517
865.4307	8	L	12	1110.6635	555.8357
952.4627	9	S	11	**997.5795**	499.2936
1009.4842	10	G	10	**910.5474**	455.7776
1066.5057	11	G	9	**853.5260**	427.2669
1123.5271	12	G	8	**796.5045**	398.7562
1180.5486	13	G	7	**739.4830**	370.2454
1279.6170	14	V	6	682.4616	341.7347
1376.6698	15	P	5	**583.3932**	**292.2005**
1475.7382	16	V	4	**486.3404**	**243.6741**
1588.8222	17	L	3	**387.2720**	194.1399
1687.8907	18	V	2	**274.1879**	137.5979
	19	R	1	**175.1195**	88.0637

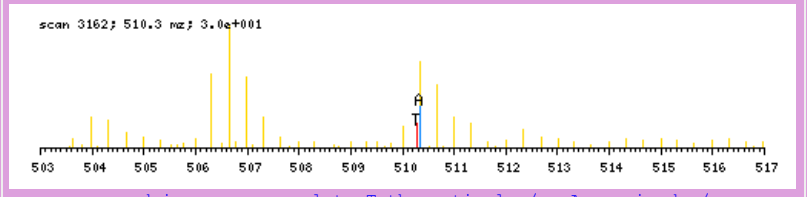
N-term:+29.04

SGLVKAGFAGDDAPR, MH+ 1528.8760, m/z 510.2968
H OS G33 P160811 220811-s1.03163.03163.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



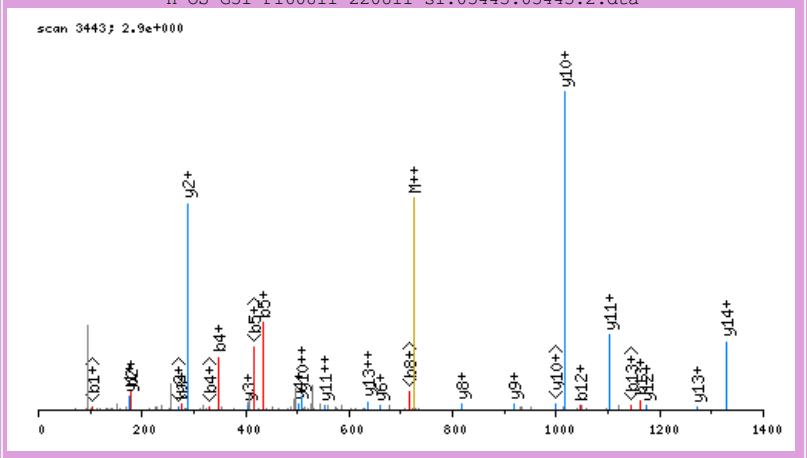
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
179.1244	2	G	14	1407.7809	**704.3944**
292.2085	3	L	13	1350.7594	**675.8836**
391.2769	4	V	12	1237.6753	**619.3416**
553.4350	5	K	11	1138.6069	**569.8074**
624.4721	6	A	10	**976.4488**	**488.7283**
681.4935	7	G	9	905.4117	453.2098
828.5620	8	F	8	848.3903	424.6990
899.5991	9	A	7	**701.3218**	351.1648
956.6205	10	G	6	**630.2847**	315.6463
1071.6475	11	D	5	**573.2633**	287.1355
1186.6744	12	D	4	**458.2363**	229.6221
1257.7115	13	A	3	**343.2094**	172.1086
1354.7643	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

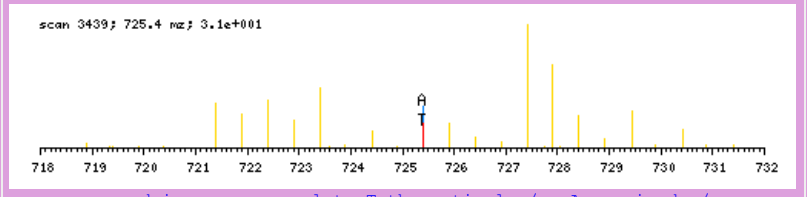
N-term:+35.07 K(5):+162.16

SGPASPTTGSAVDIR, MH+ 1449.7761, m/z 725.3917
H OS G31 P160811 220811-s1.03443.03443.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



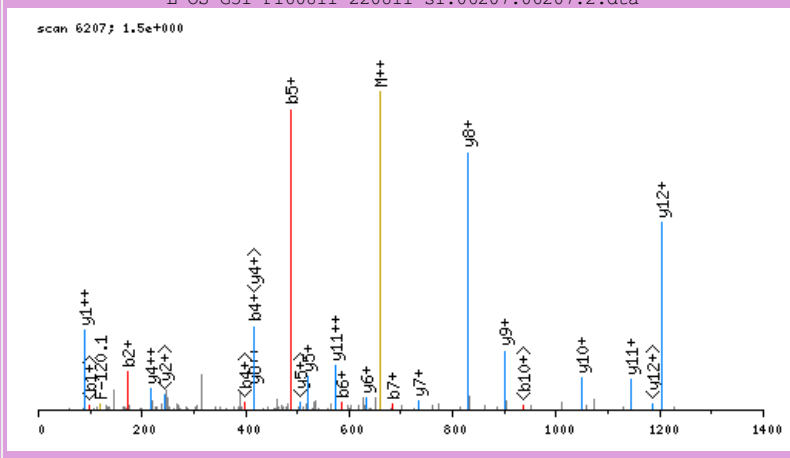
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
179.1244	2	G	14	1328.6810	664.8444
276.1772	3	P	13	1271.6596	636.3337
347.2143	4	A	12	1174.6068	587.8073
434.2463	5	S	11	1103.5697	552.2888
531.2991	6	P	10	1016.5376	508.7727
632.3467	7	T	9	919.4849	460.2464
733.3944	8	T	8	818.4372	409.7225
790.4159	9	G	7	717.3895	359.1987
877.4479	10	S	6	660.3681	330.6879
948.4850	11	A	5	573.3360	287.1719
1047.5534	12	V	4	502.2989	251.6534
1162.5804	13	D	3	403.2305	202.1192
1275.6644	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

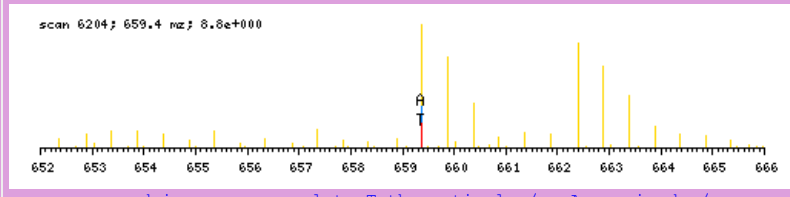
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGPFAPVLSATSR, MH+ 1317.7167, m/z 659.3620
L OS G31 P160811 220811-s1.06207.06207.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



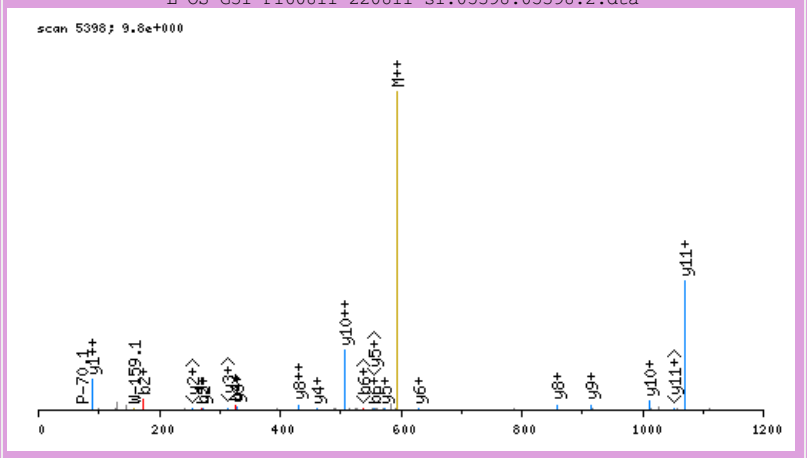
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
173.0926	2	G	12	1202.6533	601.8306
270.1454	3	P	11	1145.6319	573.3199
417.2138	4	F	10	1048.5791	524.7935
488.2509	5	A	9	901.5107	451.2593
585.3036	6	P	8	830.4736	415.7407
684.3721	7	V	7	733.4208	367.2143
797.4561	8	L	6	634.3524	317.6801
884.4882	9	S	5	521.2683	261.1381
955.5253	10	A	4	434.2363	217.6221
1056.5729	11	T	3	363.1992	182.1035
1143.6050	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

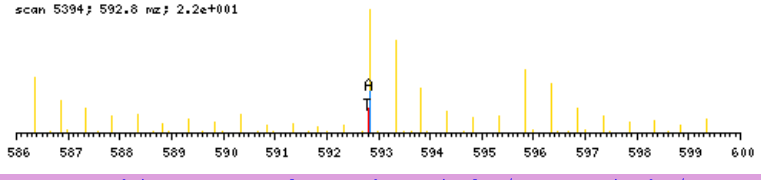
N-term:+29.04

SGPGPMGLMGPR, MH+ 1184.5920, m/z 592.7996
L OS G31 P160811 220811-s1.05398.05398.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



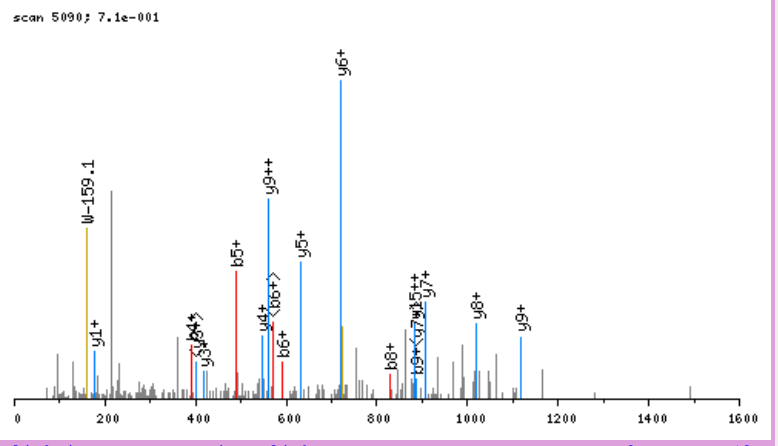
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
173.0926	2	G	11	1069.5287	535.2683
270.1454	3	P	10	1012.5072	506.7575
327.1668	4	G	9	915.4545	458.2311
424.2196	5	P	8	858.4330	429.7204
555.2601	6	M	7	761.3802	381.1940
612.2815	7	G	6	630.3397	315.6738
725.3656	8	L	5	573.3183	287.1631
856.4061	9	M	4	460.2342	230.6210
913.4275	10	G	3	329.1937	165.1008
1010.4803	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

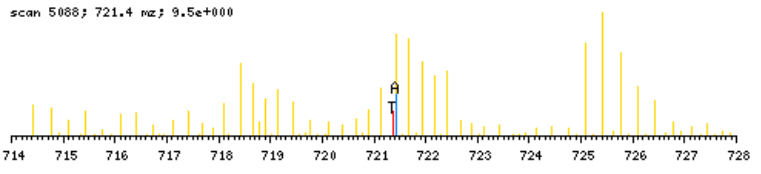
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SGPIVTLQGNDKSTSPDPDWSSQLER, MH+ 2882.4808, m/z 721.3757
H OS G32 P160811 220811-s1.05090.05090.4.dta



click image to zoom in; click top corners to zoom out [precursor]



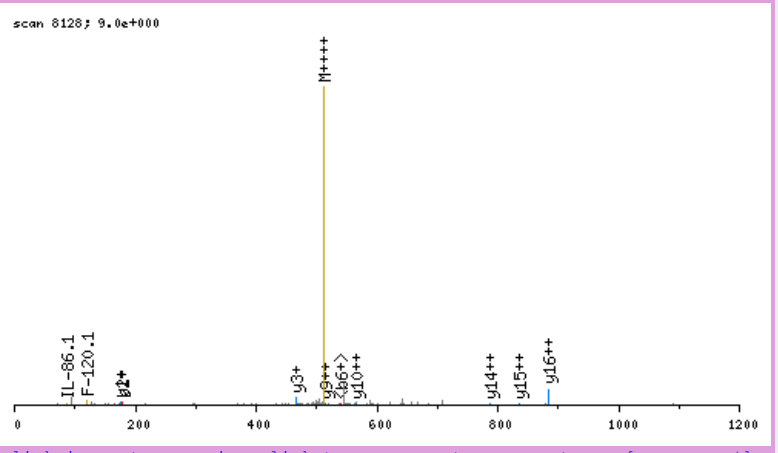
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	26		
179.1244	2	G	25	2761.3857	1381.1968
276.1772	3	P	24	2704.3643	1352.6860
389.2612	4	I	23	2607.3115	1304.1597
488.3296	5	V	22	2494.2274	1247.6176
589.3773	6	T	21	2395.1590	1198.0834
702.4614	7	L	20	2294.1113	1147.5596
830.5200	8	Q	19	2181.0273	1091.0175
887.5414	9	G	18	2052.9687	1026.9883
1001.5843	10	N	17	1995.9472	998.4775
1116.6113	11	D	16	1881.9043	941.4561
1278.7694	12	K	15	1766.8774	**883.9426**
1365.8014	13	S	14	1604.7193	802.8635
1466.8491	14	T	13	1517.6872	759.3475
1553.8811	15	S	12	1416.6395	708.8237
1650.9339	16	P	11	1329.6075	665.3077
1765.9608	17	D	10	1232.5548	616.7813
1863.0136	18	P	9	**1117.5278**	**559.2678**
1978.0405	19	D	8	**1020.4750**	510.7414
2164.1199	20	W	7	**905.4481**	453.2280
2251.1519	21	S	6	**719.3688**	360.1883
2338.1839	22	S	5	**632.3368**	316.6723
2466.2425	23	Q	4	**545.3047**	273.1563
2579.3265	24	L	3	**417.2462**	209.1270
2708.3691	25	E	2	304.1621	152.5850
	26	R	1	**175.1195**	88.0637

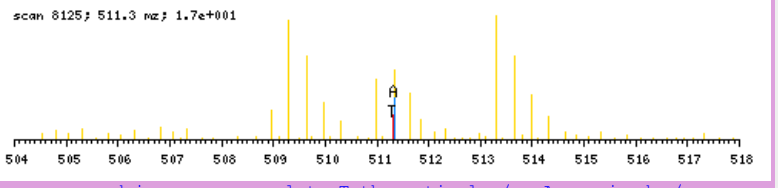
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGPPVSELITKAVAASKER, MH+ 2042.2710, m/z 511.3232
H OS G34 P160811 220811-s1.08128.08128.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



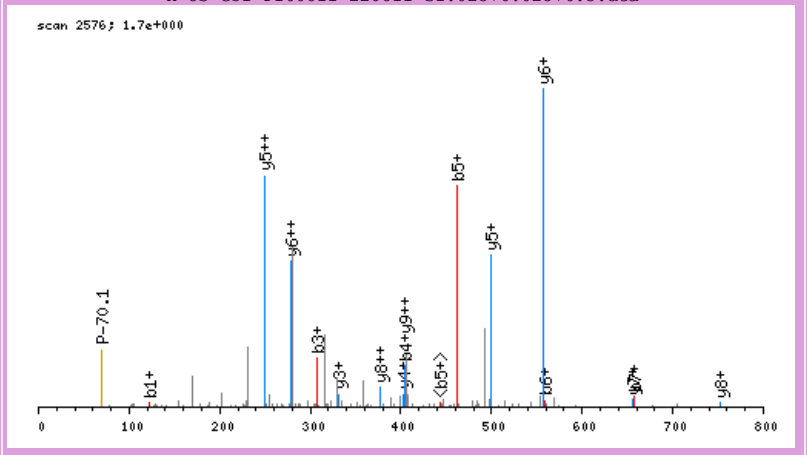
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
179.1244	2	G	18	1921.1759	961.0919
276.1772	3	P	17	1864.1544	932.5811
373.2299	4	P	16	1767.1017	**884.0548**
472.2983	5	V	15	1670.0489	**835.5284**
559.3304	6	S	14	1570.9805	**785.9942**
688.3730	7	E	13	1483.9485	742.4782
801.4570	8	L	12	1354.9059	677.9569
914.5411	9	I	11	1241.8218	621.4148
1015.5888	10	T	10	1128.7378	**564.8728**
1177.7469	11	K	9	1027.6901	**514.3490**
1248.7840	12	A	8	865.5320	433.2699
1347.8524	13	V	7	794.4949	397.7513
1418.8895	14	A	6	695.4264	348.2171
1489.9266	15	A	5	624.3893	312.6986
1576.9586	16	S	4	553.3522	277.1800
1739.1167	17	K	3	**466.3202**	233.6640
1868.1593	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

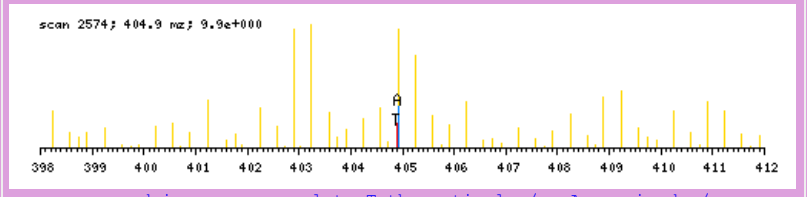
N-term:+35.07 K(11):+162.16
K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGQPGPVGPAGVR, MH+ 1212.6913, m/z 404.9019
H OS G31 P160811 220811-s1.02576.02576.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



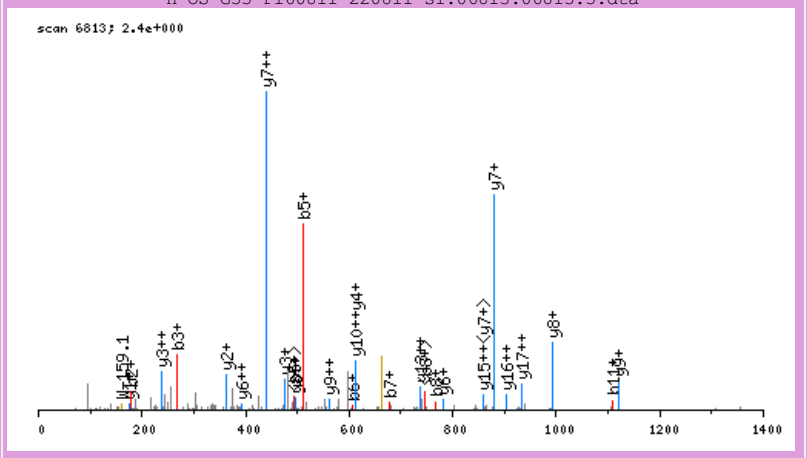
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	**1**	**S**	**13**		
179.1244	**2**	**G**	**12**	1091.5962	546.3020
307.1830	**3**	**Q**	**11**	1034.5747	517.7913
404.2357	**4**	**P**	**10**	906.5161	453.7620
461.2572	**5**	**G**	**9**	809.4634	**405.2356**
558.3100	**6**	**P**	**8**	**752.4419**	**376.7249**
657.3784	**7**	**V**	**7**	**655.3891**	328.1985
714.3998	**8**	**G**	**6**	**556.3207**	**278.6643**
811.4526	**9**	**P**	**5**	**499.2993**	**250.1535**
882.4897	**10**	**A**	**4**	**402.2465**	201.6272
939.5112	**11**	**G**	**3**	**331.2094**	166.1086
1038.5796	**12**	**V**	**2**	274.1879	137.5979
	13	**R**	**1**	175.1195	88.0637

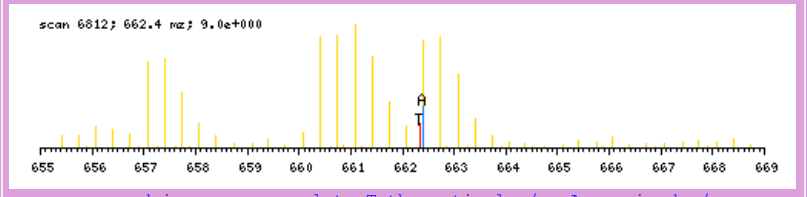
N-term:+35.07

SGSPFPASVQDPGLHIWR, MH+ 1985.0457, m/z 662.3534
H_OS_G33_P160811_220811-s1.06813.06813.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



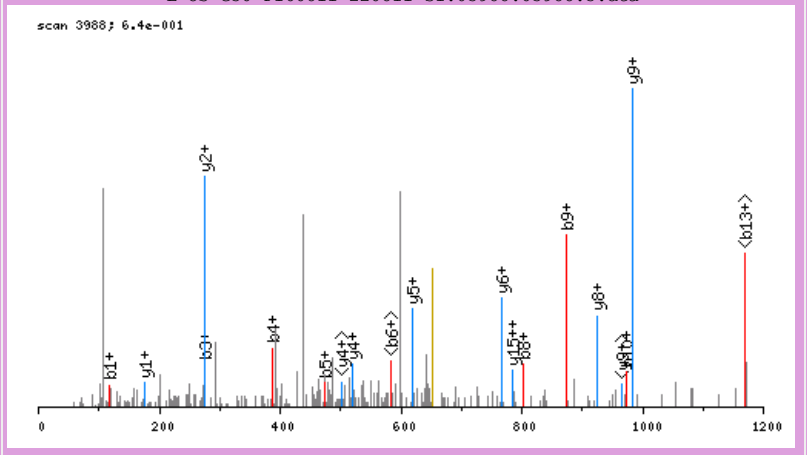
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	18		
179.1244	2	G	17	1863.9506	**932.4792**
266.1564	3	S	16	1806.9291	**903.9685**
363.2092	4	P	15	1719.8971	**860.4525**
510.2776	5	F	14	1622.8443	811.9261
607.3304	6	P	13	1475.7759	**738.3919**
678.3675	7	A	12	1378.7232	689.8655
765.3995	8	S	11	1307.6860	654.3469
864.4679	9	V	10	1220.6540	**610.8309**
992.5265	10	Q	9	**1121.5856**	**561.2967**
1107.5534	11	D	8	**993.5270**	**497.2674**
1204.6062	12	P	7	**878.5001**	**439.7540**
1261.6277	13	G	6	**781.4473**	**391.2276**
1374.7117	14	L	5	724.4259	362.7168
1511.7706	15	H	4	**611.3418**	306.1748
1624.8547	16	I	3	**474.2829**	**237.6454**
1810.9340	17	W	2	**361.1988**	181.1033
	18	R	1	**175.1195**	88.0637

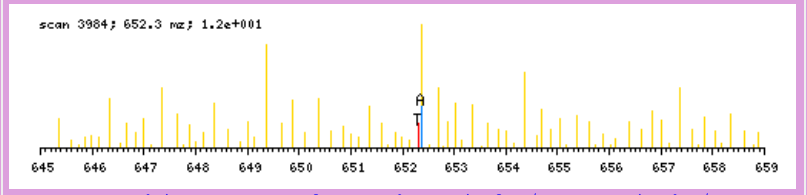
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGTLSQSNAVGSAFTQDTR, MH+ 1954.9470, m/z 652.3205
L OS G30 P160811 220811-s1.03988.03988.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



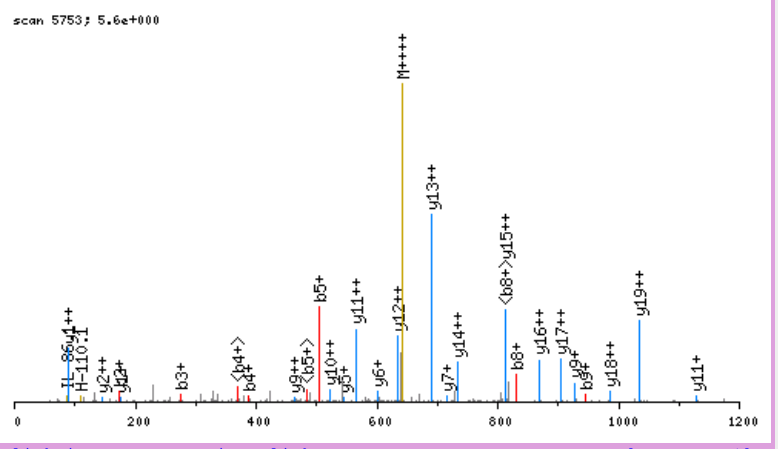
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**19**		
173.0926	**2**	**G**	**18**	1839.8837	920.4458
274.1403	**3**	**T**	**17**	1782.8622	891.9350
387.2243	**4**	**L**	**16**	1681.8146	841.4112
474.2564	**5**	**S**	**15**	1568.7305	**784.8692**
602.3149	**6**	**Q**	**14**	1481.6985	741.3531
689.3470	**7**	**S**	**13**	1353.6399	677.3239
803.3899	**8**	**N**	**12**	1266.6079	633.8078
874.4270	**9**	**A**	**11**	1152.5649	576.7864
973.4954	**10**	**V**	**10**	1081.5278	541.2678
1030.5169	**11**	**G**	**9**	**982.4594**	491.7336
1117.5489	**12**	**S**	**8**	**925.4379**	463.2229
1188.5860	**13**	**A**	**7**	838.4059	419.7069
1335.6544	**14**	**F**	**6**	**767.3688**	384.1883
1436.7021	**15**	**T**	**5**	**620.3004**	310.6541
1564.7607	**16**	**Q**	**4**	**519.2527**	260.1303
1679.7876	**17**	**D**	**3**	391.1941	196.1010
1780.8353	**18**	**T**	**2**	**276.1672**	138.5875
	19	**R**	**1**	**175.1195**	88.0637

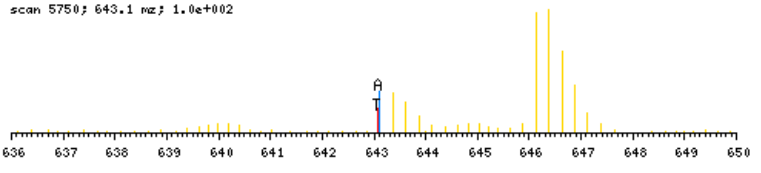
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGTNDPCALCSLHSIGKIGGAQNR, MH+ 2569.2614, m/z 643.0708
L OS G34 P160811 220811-s1.05753.05753.4.dta



click image to zoom in; click top corners to zoom out [precursor]



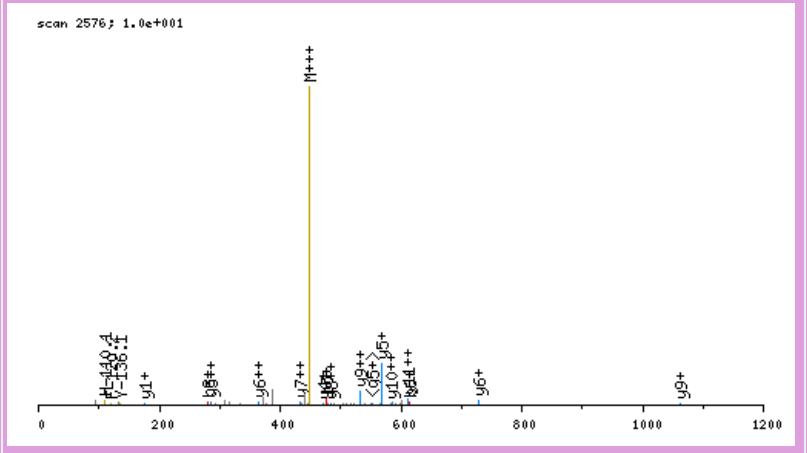
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
173.0926	2	G	23	2454.1981	1227.6030
274.1403	3	T	22	2397.1767	1199.0922
388.1832	4	N	21	2296.1290	1148.5684
503.2101	5	D	20	2182.0861	1091.5469
600.2629	6	P	19	2067.0591	**1034.0335**
760.2935	7	C	18	1970.0063	**985.5071**
831.3306	8	A	17	1809.9757	**905.4918**
944.4147	9	L	16	1738.9386	**869.9732**
1104.4453	10	C	15	1625.8546	**813.4312**
1191.4773	11	S	14	1465.8240	**733.4159**
1304.5614	12	L	13	1378.7919	**689.8999**
1441.6203	13	H	12	1265.7079	**633.3579**
1528.6523	14	S	11	**1128.6490**	**564.8284**
1641.7364	15	I	10	1041.6169	**521.3124**
1698.7578	16	G	9	**928.5329**	**464.7703**
1854.8841	17	K	8	871.5114	436.2596
1967.9682	18	I	7	**715.3851**	358.1965
2024.9897	19	G	6	**602.3010**	301.6544
2082.0111	20	G	5	**545.2796**	273.1437
2153.0482	21	A	4	488.2581	244.6330
2281.1068	22	Q	3	417.2210	209.1144
2395.1498	23	N	2	289.1624	**145.0851**
	24	R	1	**175.1195**	**88.0637**

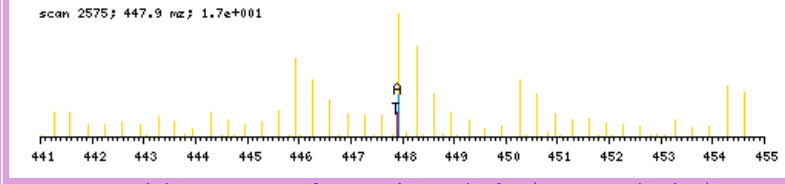
N-term:+29.04 C(7):+160.03
C(10):+160.03 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGTPVHCPSPIR, MH+ 1341.7161, m/z 447.9102
H OS G34 P160811 220811-s1.02576.02576.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



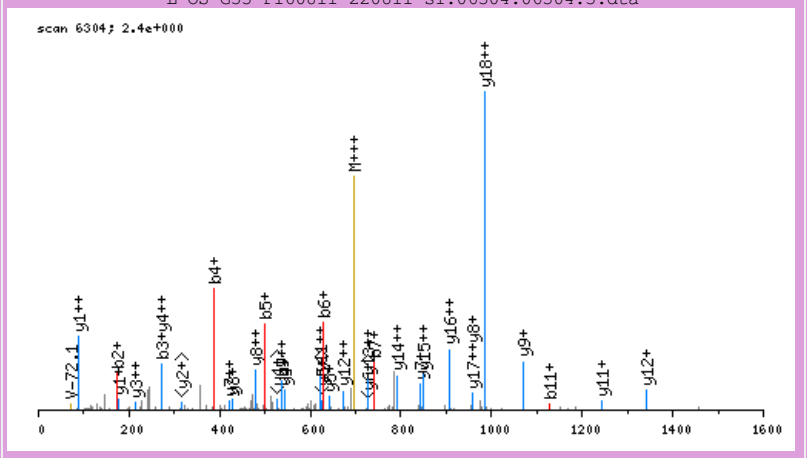
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
179.1244	2	G	11	1220.6210	610.8144
280.1721	3	T	10	1163.5995	582.3037
377.2248	4	P	9	1062.5518	531.7798
476.2932	5	V	8	965.4990	483.2534
613.3522	6	H	7	866.4306	433.7192
773.3828	7	C	6	729.3717	365.1898
870.4355	8	P	5	569.3411	285.1745
957.4676	9	S	4	472.2884	236.6481
1054.5203	10	P	3	385.2563	193.1321
1167.6044	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

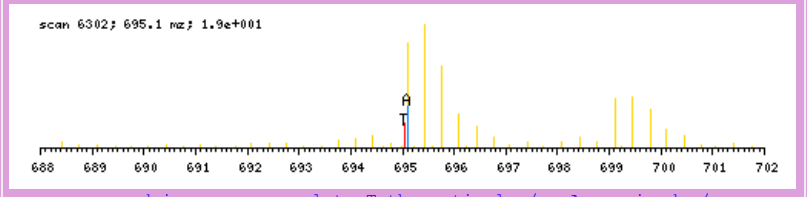
N-term:+35.07 C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGVDIQIVGDDLTVTNPKR, MH+ 2083.1399, m/z 695.0515
L OS G33 P160811 220811-s1.06304.06304.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



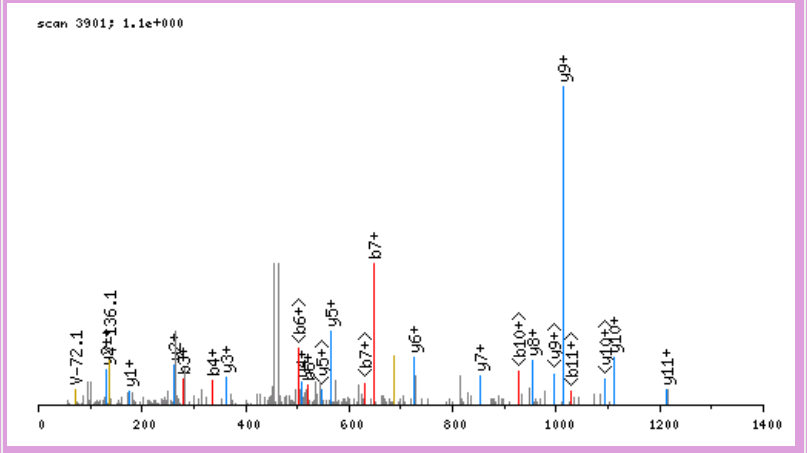
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	1968.0766	**984.5422**
272.1610	3	V	17	1911.0552	**956.0315**
387.1879	4	D	16	1811.9867	**906.4973**
500.2720	5	I	15	1696.9598	**848.9838**
628.3306	6	Q	14	1583.8757	**792.4418**
741.4147	7	I	13	1455.8172	**728.4125**
840.4831	8	V	12	**1342.7331**	**671.8705**
897.5045	9	G	11	**1243.6647**	**622.3363**
1012.5315	10	D	10	1186.6432	593.8255
1127.5584	11	D	9	**1071.6163**	**536.3120**
1240.6425	12	L	8	**956.5893**	**478.7986**
1341.6902	13	T	7	**843.5053**	**422.2565**
1440.7586	14	V	6	742.4576	371.7327
1541.8063	15	T	5	**643.3892**	322.1985
1655.8492	16	N	4	**542.3415**	**271.6747**
1752.9019	17	P	3	**428.2986**	**214.6532**
1909.0282	18	K	2	331.2458	166.1268
	19	R	1	**175.1195**	**88.0637**

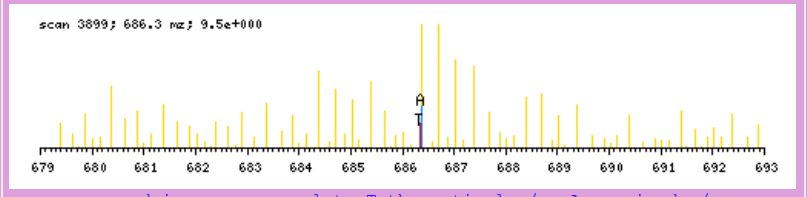
N-term:+29.04 K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGVGPSQPTTVGTECGFVSR, MH+ 2057.0185, m/z 686.3444
H OS G30 P160811 220811-s1.03901.03901.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

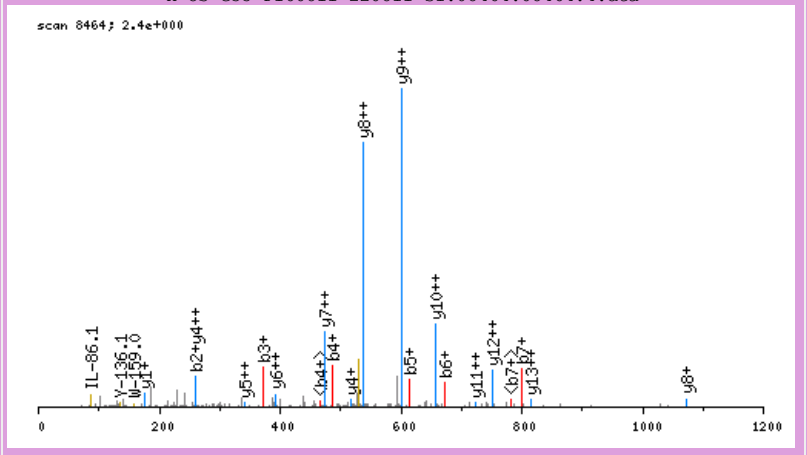


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

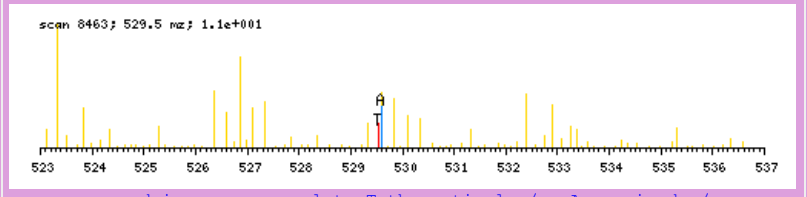
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
179.1244	2	G	19	1935.9234	968.4656
278.1928	3	V	18	1878.9019	939.9549
335.2143	4	G	17	1779.8335	890.4207
432.2670	5	P	16	1722.8121	861.9099
519.2991	6	S	15	1625.7593	813.3836
647.3576	7	Q	14	1538.7273	769.8675
744.4104	8	P	13	1410.6687	705.8383
845.4581	9	T	12	1313.6159	657.3119
946.5058	10	T	11	1212.5682	606.7880
1045.5742	11	V	10	1111.5206	556.2642
1102.5956	12	G	9	1012.4522	506.7300
1203.6433	13	T	8	955.4307	478.2193
1332.6859	14	E	7	854.3830	427.6954
1492.7165	15	C	6	725.3404	363.1741
1549.7380	16	G	5	565.3098	283.1588
1696.8064	17	F	4	508.2884	254.6481
1795.8748	18	V	3	361.2199	181.1139
1882.9068	19	S	2	262.1515	131.5797
	20	R	1	175.1195	88.0637

N-term:+35.07 C(15):+160.03

SHLLEGELEEYTKTIER, MH+ 2115.1610, m/z 529.5457
H OS G35 P160811 220811-s1.08464.08464.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

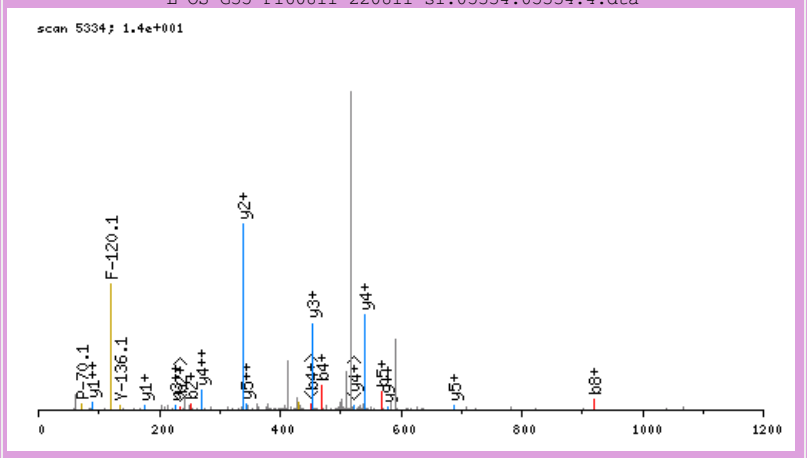
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
259.1618	2	H	16	1994.0659	997.5369
372.2459	3	L	15	1857.0070	929.0074
485.3300	4	L	14	1743.9229	872.4654
614.3726	5	E	13	1630.8388	815.9233
671.3940	6	G	12	1501.7963	751.4020
800.4366	7	E	11	1444.7748	722.8913
913.5207	8	L	10	1315.7322	658.3700
1042.5633	9	E	9	1202.6481	601.8280
1171.6059	10	E	8	1073.6055	537.3067
1334.6692	11	Y	7	944.5629	472.7854
1435.7169	12	T	6	781.4996	391.2537
1597.8750	13	K	5	680.4519	340.7299
1698.9227	14	T	4	518.2938	259.6508
1812.0067	15	I	3	417.2462	209.1270
1941.0493	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

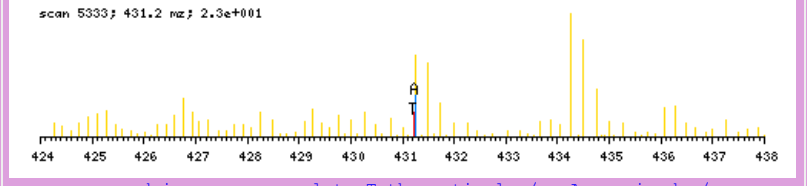
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SHTDVKVPDFSDYR, MH+ 1721.8499, m/z 431.2179
L OS G35 P160811 220811-s1.05334.05334.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



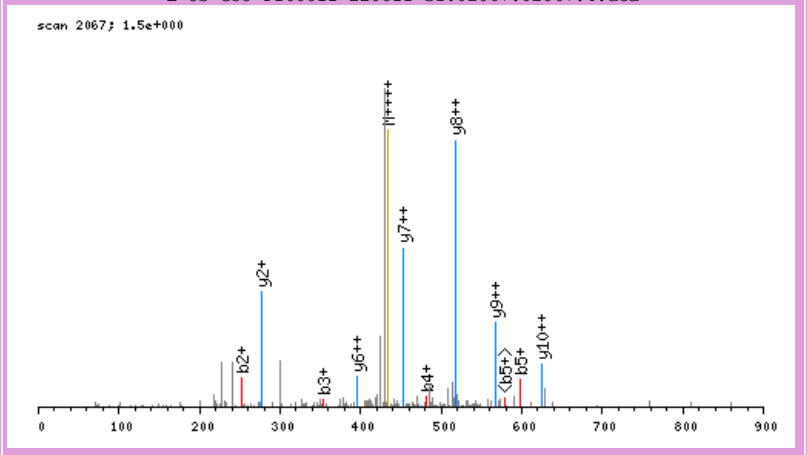
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
253.1300	2	H	13	1606.7866	803.8972
354.1777	3	T	12	1469.7277	735.3677
469.2047	4	D	11	1368.6800	684.8439
568.2731	5	V	10	1253.6530	627.3304
724.3994	6	K	9	1154.5846	**577.7962**
823.4678	7	V	8	998.4583	499.7331
920.5206	8	P	7	899.3899	450.1989
1035.5475	9	D	6	802.3372	401.6725
1182.6159	10	F	5	**687.3102**	**344.1590**
1269.6479	11	S	4	**540.2418**	**270.6248**
1384.6749	12	D	3	**453.2098**	**227.1088**
1547.7382	13	Y	2	**338.1828**	169.5953
	14	R	1	**175.1195**	**88.0637**

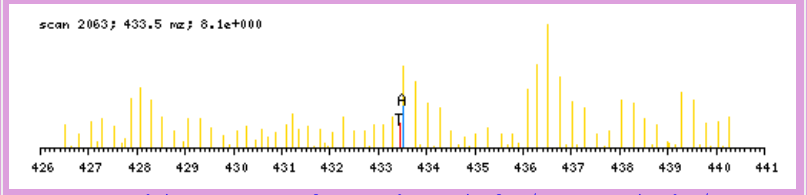
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SHTQDTEDLEKDTR, MH+ 1730.8197, m/z 433.4604
L OS G35 P160811 220811-s1.02067.02067.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



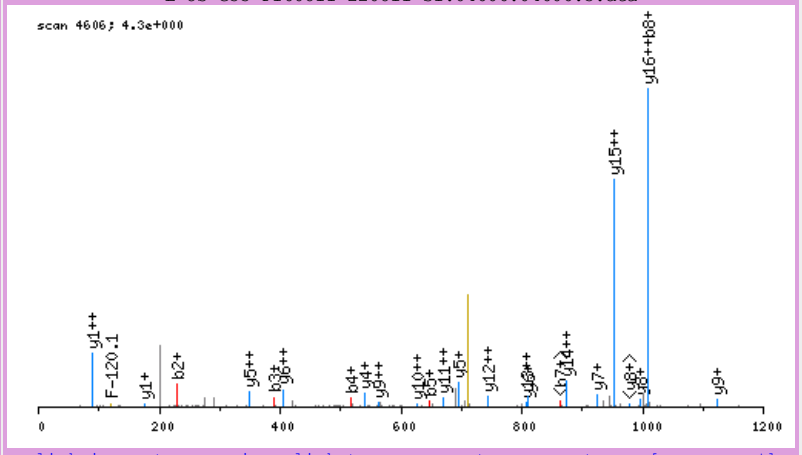
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
253.1300	2	H	13	1615.7564	808.3821
354.1777	3	T	12	1478.6975	739.8527
482.2363	4	Q	11	1377.6498	689.3288
597.2632	5	D	10	1249.5912	**625.2995**
698.3109	6	T	9	1134.5643	**567.7861**
827.3535	7	E	8	1033.5166	**517.2622**
942.3805	8	D	7	904.4740	**452.7409**
1055.4645	9	L	6	789.4471	**395.2275**
1184.5071	10	E	5	676.3630	338.6854
1340.6334	11	K	4	547.3204	274.1641
1455.6604	12	D	3	391.1941	196.1010
1556.7080	13	T	2	**276.1672**	138.5875
	14	R	1	175.1195	88.0637

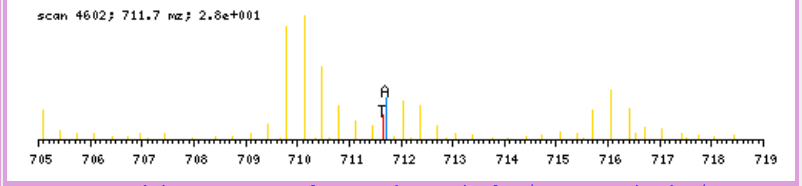
N-term:+29.04 K(11):+156.13

SICEEFSQQADDKGCFR, MH+ 2132.9380, m/z 711.6509
L_OS_G33_P160811_220811-s1.04606.04606.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



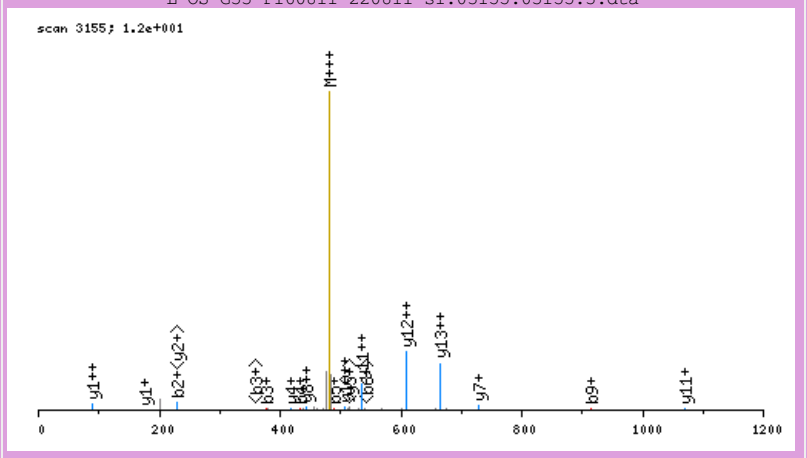
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
229.1552	2	I	16	2017.8747	**1009.4413**
389.1858	3	C	15	1904.7907	**952.8992**
518.2284	4	E	14	1744.7601	**872.8839**
647.2710	5	E	13	1615.7175	**808.3626**
794.3394	6	F	12	1486.6749	**743.8414**
881.3714	7	S	11	1339.6065	**670.3071**
1009.4300	8	Q	10	1252.5744	**626.7911**
1137.4886	9	Q	9	**1124.5159**	**562.7618**
1208.5257	10	A	8	**996.4573**	498.7326
1323.5526	11	D	7	**925.4202**	463.2140
1438.5796	12	D	6	**810.3932**	**405.7005**
1594.7059	13	K	5	**695.3663**	**348.1871**
1651.7273	14	G	4	**539.2400**	270.1239
1811.7579	15	C	3	482.2185	241.6132
1958.8264	16	F	2	322.1879	161.5979
	17	R	1	**175.1195**	**88.0637**

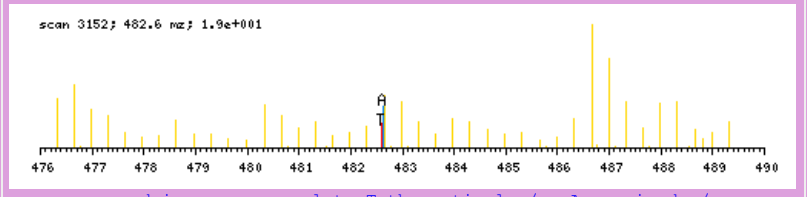
N-term:+29.04 C(3):+160.03
K(13):+156.13 C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SIFGGAKPVDTAAR, MH+ 1445.8117, m/z 482.6087
L OS G33 P160811 220811-s1.03155.03155.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



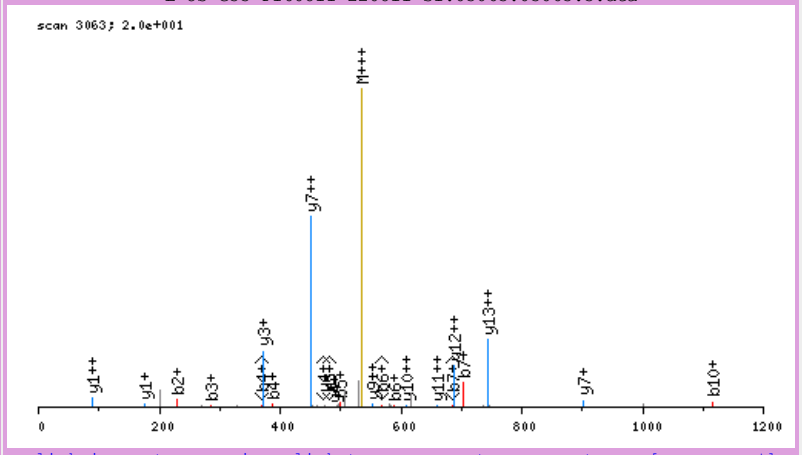
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	1330.7483	**665.8781**
376.2236	3	F	12	1217.6643	**609.3361**
433.2451	4	G	11	**1070.5959**	**535.8018**
490.2665	5	G	10	1013.5744	**507.2911**
561.3036	6	A	9	956.5529	478.7804
717.4299	7	K	8	885.5158	**443.2618**
814.4827	8	P	7	**729.3895**	365.1987
913.5511	9	V	6	632.3368	316.6723
1028.5781	10	D	5	533.2683	267.1381
1129.6257	11	T	4	**418.2414**	209.6246
1200.6629	12	A	3	317.1937	159.1008
1271.7000	13	A	2	246.1566	123.5822
	14	R	1	**175.1195**	**88.0637**

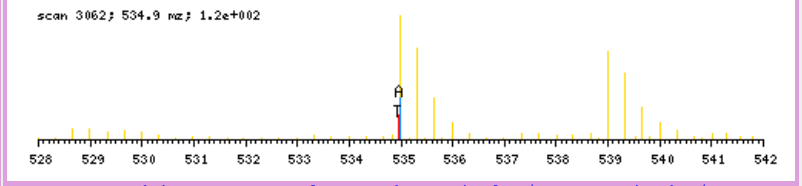
N-term:+29.04 K(7):+156.13

SIGTLSDPCKDPTR, MH+ 1602.8161, m/z 534.9435
L OS G33 P160811 220811-s1.03063.03063.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]

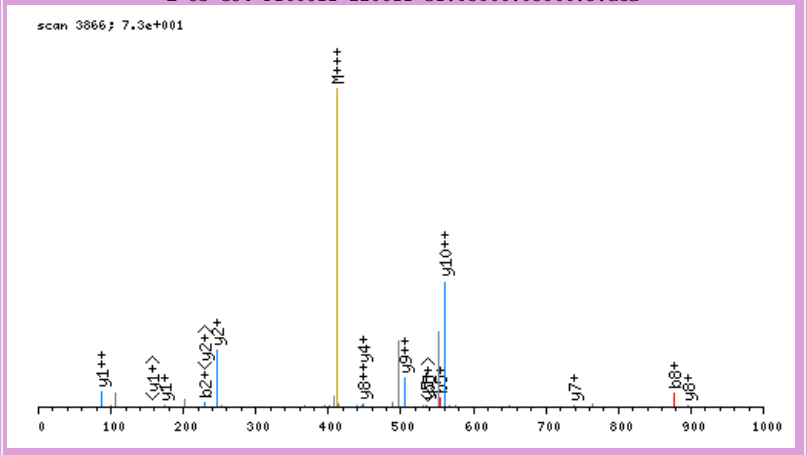


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

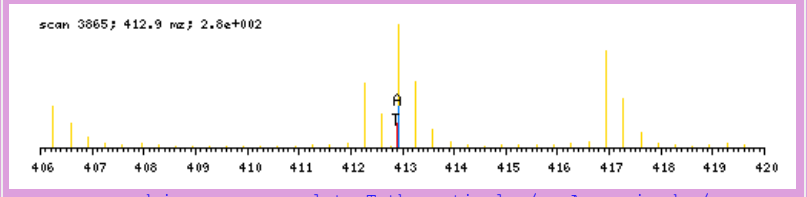
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	1487.7528	744.3803
286.1767	3	G	12	1374.6687	687.8383
387.2243	4	T	11	1317.6473	659.3275
500.3084	5	L	10	1216.5996	608.8037
587.3404	6	S	9	1103.5155	552.2617
702.3674	7	D	8	1016.4835	508.7457
799.4201	8	P	7	901.4566	451.2322
959.4507	9	C	6	804.4038	402.7058
1115.5770	10	K	5	644.3732	322.6905
1230.6040	11	D	4	488.2469	244.6274
1327.6567	12	P	3	373.2199	187.1139
1428.7044	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

N-term:+29.04 C(9):+160.03
K(10):+156.13

SILKGFSSDAR, MH+ 1236.6952, m/z 412.9033
L OS G34 P160811 220811-s1.03866.03866.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

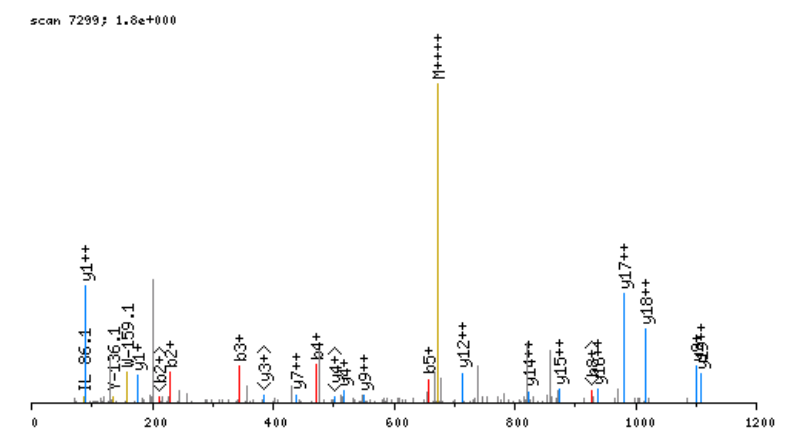
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
229.1552	2	I	10	1121.6319	**561.3199**
342.2393	3	L	9	1008.5479	**504.7778**
498.3656	4	K	8	**895.4638**	**448.2358**
555.3870	5	G	7	**739.3375**	370.1727
702.4554	6	F	6	682.3160	341.6619
789.4875	7	S	5	**535.2476**	268.1277
876.5195	8	S	4	**448.2156**	224.6117
991.5464	9	D	3	361.1836	181.0957
1062.5835	10	A	2	**246.1566**	123.5822
	11	R	1	**175.1195**	**88.0637**

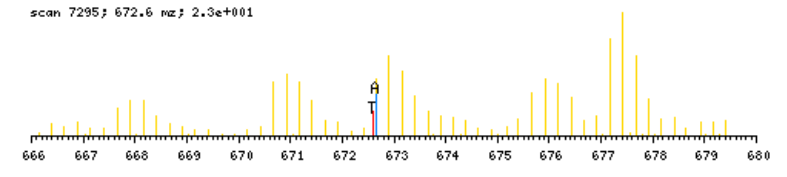
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SINEWASQTTDGKLPEVTKDVER, MH+ 2687.3892, m/z 672.6028
L OS G34 P160811 220811-s1.07299.07299.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



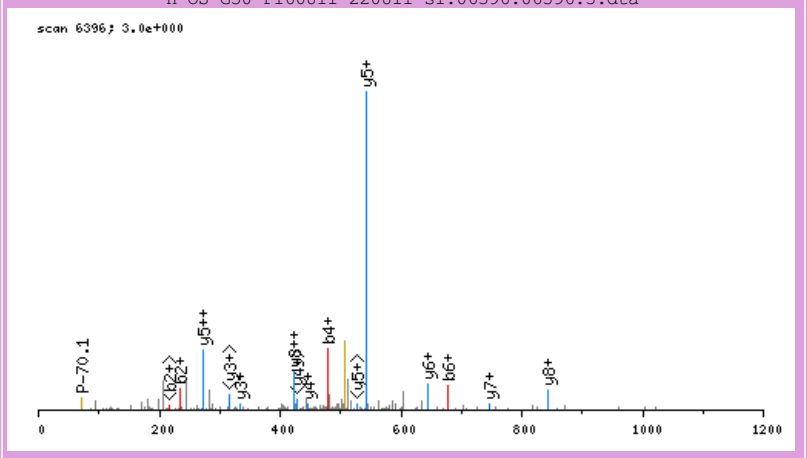
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
229.1552	2	I	22	2572.3259	1286.6669
343.1981	3	N	21	2459.2419	1230.1249
472.2407	4	E	20	2345.1990	1173.1034
658.3200	5	W	19	2216.1564	**1108.5821**
729.3571	6	A	18	2030.0770	**1015.5424**
816.3892	7	S	17	1959.0399	**980.0239**
944.4477	8	Q	16	1872.0079	**936.5079**
1045.4954	9	T	15	1743.9493	**872.4786**
1146.5431	10	T	14	1642.9016	**821.9547**
1261.5700	11	D	13	1541.8540	771.4309
1318.5915	12	G	12	1426.8270	**713.9174**
1474.7178	13	K	11	1369.8056	685.4067
1587.8019	14	L	10	1213.6793	607.3435
1684.8546	15	P	9	**1100.5952**	**550.8015**
1813.8972	16	E	8	1003.5424	502.2751
1912.9656	17	V	7	874.4998	**437.7538**
2014.0133	18	T	6	775.4314	388.2196
2170.1396	19	K	5	674.3838	337.6958
2285.1666	20	D	4	**518.2575**	259.6326
2384.2350	21	V	3	403.2305	202.1192
2513.2776	22	E	2	304.1621	152.5850
	23	R	1	**175.1195**	**88.0637**

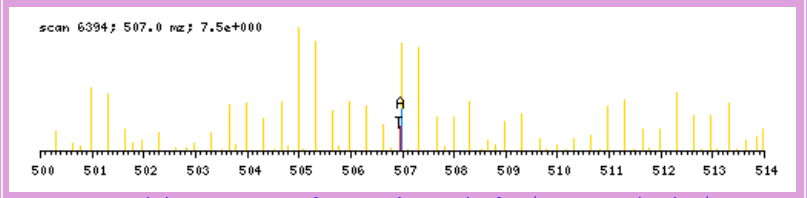
N-term:+29.04 K(13):+156.13
K(19):+156.13

SIPFPTPTTPLTGR, MH+ 1518.8744, m/z 506.9630
H_OS_G30_P160811_220811-s1.06396.06396.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



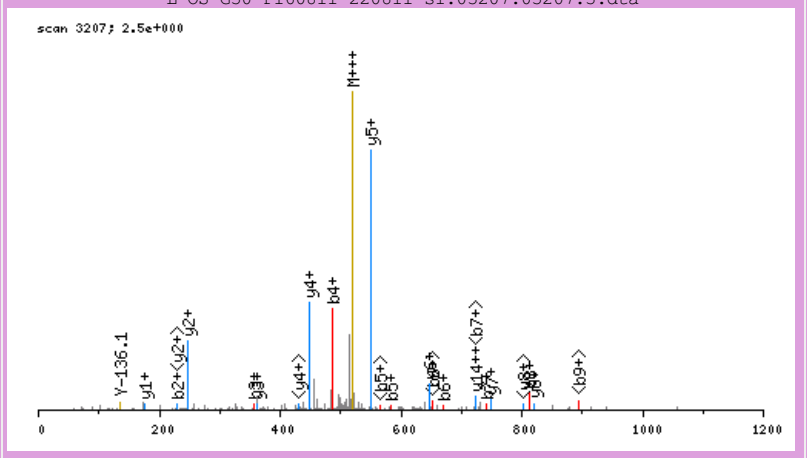
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
235.1870	2	I	13	1397.7793	699.3936
332.2398	3	P	12	1284.6952	642.8515
479.3082	4	F	11	1187.6424	594.3251
576.3609	5	P	10	1040.5740	520.7909
677.4086	6	T	9	943.5213	472.2645
774.4614	7	P	8	**842.4736**	**421.7407**
875.5091	8	T	7	**745.4208**	373.2143
976.5567	9	T	6	**644.3731**	322.6905
1073.6095	10	P	5	**543.3255**	**272.1666**
1186.6936	11	L	4	**446.2727**	223.6403
1287.7412	12	T	3	**333.1886**	167.0982
1344.7627	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

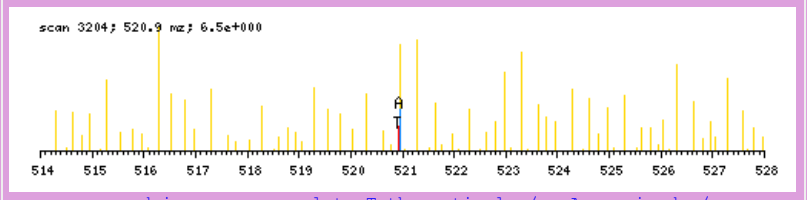
N-term:+35.07

SIQEPSAATVTSDAR, MH+ 1560.7869, m/z 520.9338
L OS G30 P160811 220811-s1.03207.03207.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



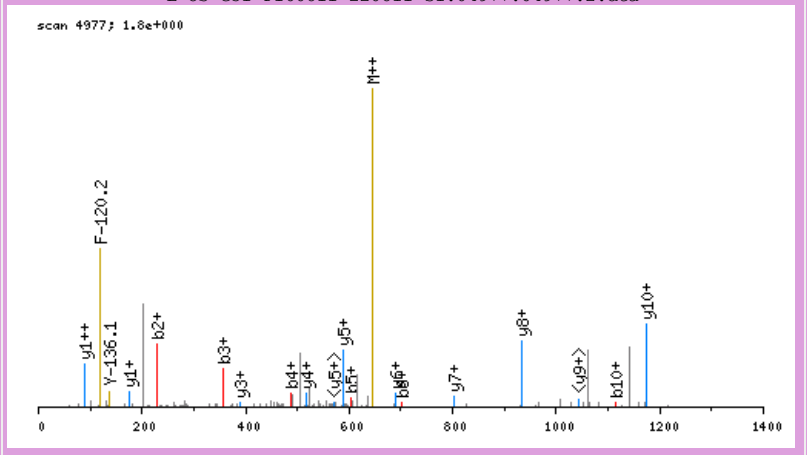
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
229.1552	2	I	14	1445.7236	723.3657
357.2138	3	Q	13	1332.6395	666.8237
486.2564	4	E	12	1204.5810	602.7944
583.3091	5	P	11	1075.5384	538.2731
670.3412	6	S	10	978.4856	489.7467
741.3783	7	A	9	891.4536	446.2307
812.4154	8	A	8	820.4165	410.7121
913.4631	9	T	7	749.3794	375.1936
1012.5315	10	V	6	648.3317	324.6698
1113.5792	11	T	5	549.2633	275.1355
1200.6112	12	S	4	448.2156	224.6117
1315.6381	13	D	3	361.1836	181.0957
1386.6752	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

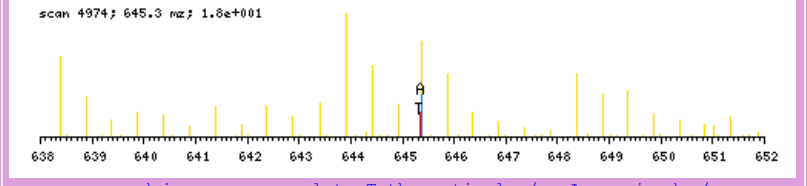
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SIQMNVAEVDR, MH+ 1289.6523, m/z 645.3298
L OS G31 P160811 220811-s1.04977.04977.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



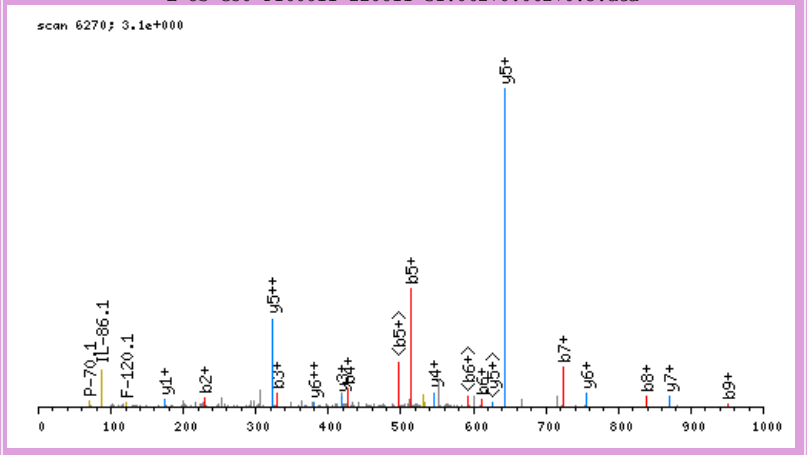
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
229.1552	2	I	10	1174.5890	587.7984
357.2138	3	Q	9	1061.5050	531.2564
488.2543	4	M	8	933.4464	467.2271
602.2972	5	N	7	802.4059	401.7069
701.3656	6	V	6	688.3630	344.6854
772.4027	7	A	5	589.2946	295.1512
901.4453	8	E	4	518.2575	259.6326
1000.5137	9	V	3	389.2149	195.1113
1115.5407	10	D	2	290.1464	145.5771
	11	R	1	175.1195	88.0637

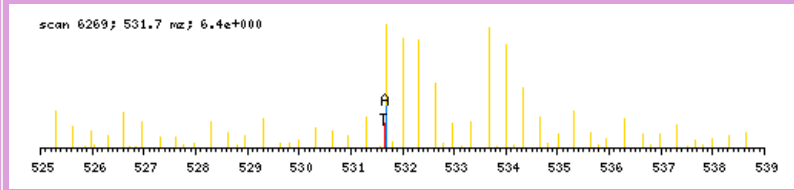
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SIVVSPILIPENQR, MH+ 1592.9375, m/z 531.6507
L OS G30 P160811 220811-s1.06270.06270.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



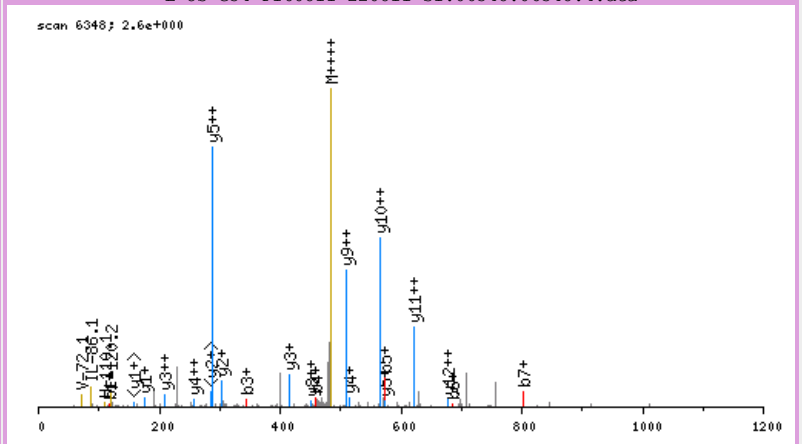
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	1477.8742	739.4410
328.2236	3	V	12	1364.7902	682.8990
427.2920	4	V	11	1265.7218	633.3648
514.3240	5	S	10	1166.6533	583.8306
611.3768	6	P	9	1079.6213	540.3146
724.4609	7	I	8	982.5686	491.7882
837.5449	8	L	7	869.4845	435.2462
950.6290	9	I	6	756.4004	378.7041
1047.6818	10	P	5	643.3164	322.1621
1176.7244	11	E	4	546.2636	273.6357
1290.7673	12	N	3	417.2210	209.1144
1418.8259	13	Q	2	303.1781	152.0930
	14	R	1	175.1195	88.0637

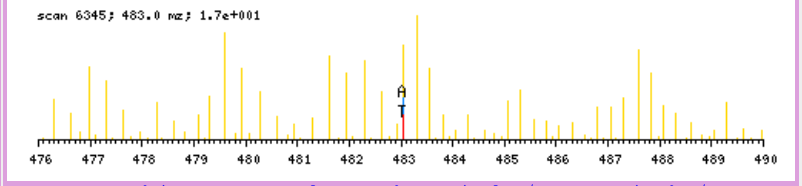
N-term:+29.04

SKADDLDLLKSSGVIQR, MH+ 1929.1021, m/z 483.0310
L OS G34 P160811 220811-s1.06348.06348.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [1+] [2+] [3+]
b [1+] [2+] [3+]
c [1+] [2+] [3+]
x [1+] [2+] [3+]
y [1+] [2+] [3+]
z [1+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



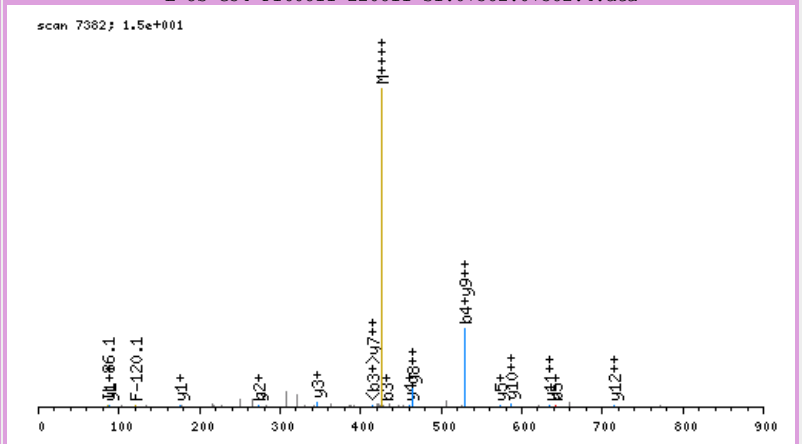
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
272.1974	2	K	16	1814.0388	907.5233
343.2345	3	A	15	1657.9125	829.4602
458.2615	4	D	14	1586.8754	793.9416
573.2884	5	D	13	1471.8485	736.4281
686.3725	6	L	12	1356.8215	**678.9147**
801.3994	7	D	11	1243.7374	**622.3726**
914.4835	8	L	10	1128.7105	**564.8592**
1027.5676	9	L	9	1015.6264	**508.3171**
1183.6939	10	K	8	902.5424	**451.7751**
1270.7259	11	S	7	746.4161	373.7120
1357.7579	12	S	6	659.3840	330.1959
1414.7794	13	G	5	**572.3520**	**286.6799**
1513.8478	14	V	4	**515.3306**	**258.1692**
1626.9319	15	I	3	**416.2621**	**208.6350**
1754.9904	16	Q	2	**303.1781**	152.0930
	17	R	1	**175.1195**	88.0637

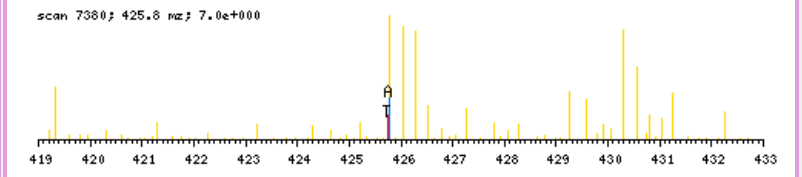
N-term:+29.04 K(2):+156.13
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKCPLMVKVLDAVR, MH+ 1699.9967, m/z 425.7546
L OS G34 P160811 220811-s1.07382.07382.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



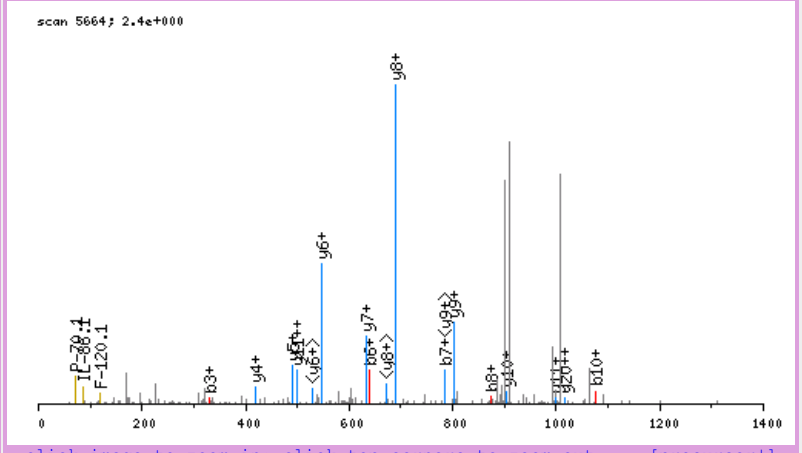
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
272.1974	2	K	13	1584.9334	792.9706
432.2280	3	C	12	1428.8071	714.9075
529.2808	4	P	11	1268.7765	634.8922
642.3649	5	L	10	1171.7237	586.3658
773.4053	6	M	9	1058.6396	529.8237
872.4738	7	V	8	927.5992	464.3035
1028.6001	8	K	7	828.5307	414.7693
1127.6685	9	V	6	672.4044	336.7061
1240.7525	10	L	5	573.3360	287.1719
1355.7795	11	D	4	460.2520	230.6299
1426.8166	12	A	3	345.2250	173.1164
1525.8850	13	V	2	274.1879	137.5979
	14	R	1	175.1195	88.0637

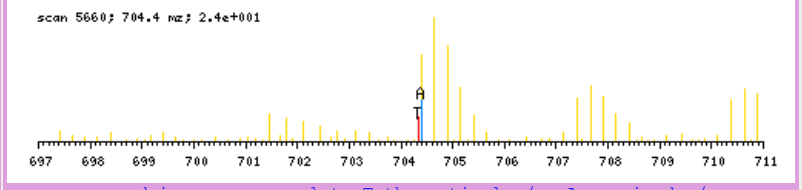
N-term:+29.04 K(2):+156.13
C(3):+160.03 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKGPPDFSSDEEREPTPVLGSGASVGR, MH+ 2814.3910, m/z 704.3532
L OS G34 P160811 220811-s1.05664.05664.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



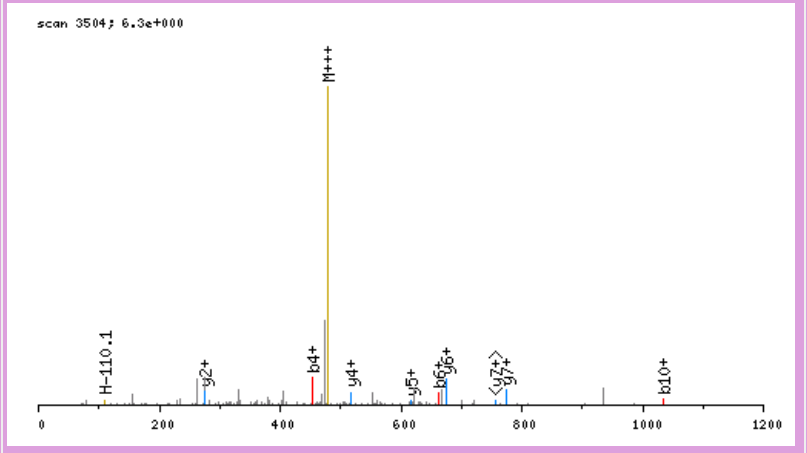
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	27		
272.1974	2	K	26	2699.3277	1350.1678
329.2189	3	G	25	2543.2014	1272.1046
426.2717	4	P	24	2486.1799	1243.5939
523.3244	5	P	23	2389.1272	1195.0675
638.3514	6	D	22	2292.0744	1146.5411
785.4198	7	F	21	2177.0475	1089.0276
872.4518	8	S	20	2029.9791	**1015.4934**
959.4838	9	S	19	1942.9470	971.9774
1074.5108	10	D	18	1855.9150	928.4614
1203.5534	11	E	17	1740.8881	870.9479
1332.5960	12	E	16	1611.8455	806.4266
1488.6971	13	R	15	1482.8029	741.9053
1617.7397	14	E	14	1326.7018	663.8548
1714.7924	15	P	13	1197.6592	599.3335
1815.8401	16	T	12	1100.6064	550.8071
1912.8929	17	P	11	**999.5587**	**500.2833**
2011.9613	18	V	10	**902.5060**	451.7569
2125.0454	19	L	9	**803.4375**	402.2227
2182.0668	20	G	8	**690.3535**	345.6807
2269.0988	21	S	7	**633.3320**	317.1699
2326.1203	22	G	6	**546.3000**	273.6539
2397.1574	23	A	5	**489.2785**	245.1432
2484.1894	24	S	4	**418.2414**	209.6246
2583.2579	25	V	3	331.2094	166.1086
2640.2793	26	G	2	232.1410	116.5744
	27	R	1	175.1195	88.0637

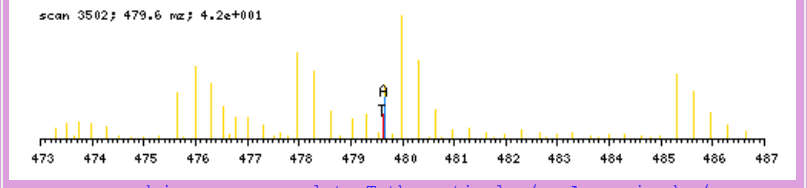
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKPAPLTGTLEVR, MH+ 1436.9113, m/z 479.6420
H OS G33 P160811 220811-s1.03504.03504.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



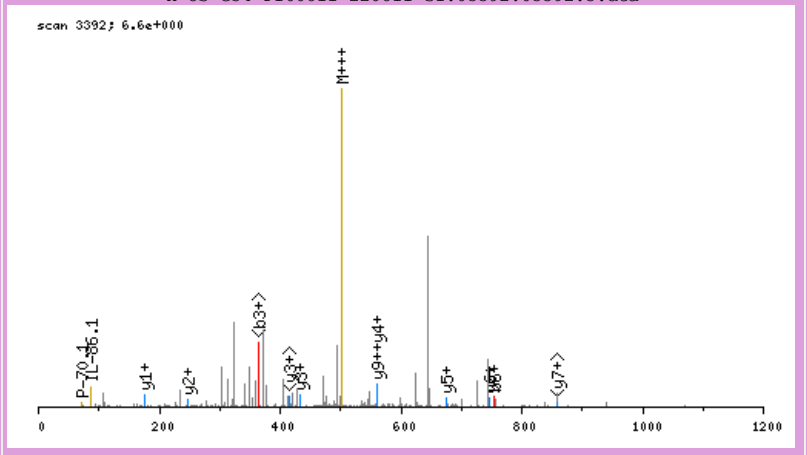
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
284.2610	2	K	12	1315.8162	658.4120
381.3138	3	P	11	1153.6581	577.3330
452.3509	4	A	10	1056.6053	528.8066
549.4037	5	P	9	985.5682	493.2880
662.4877	6	L	8	888.5155	444.7616
763.5354	7	T	7	**775.4314**	388.2196
820.5569	8	G	6	**674.3837**	337.6958
921.6046	9	T	5	**617.3623**	309.1850
1034.6886	10	L	4	**516.3146**	258.6612
1163.7312	11	E	3	403.2305	202.1192
1262.7996	12	V	2	**274.1879**	137.5979
	13	R	1	175.1195	88.0637

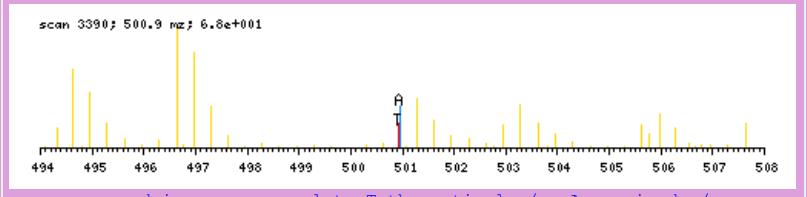
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKPEDEADEWAR, MH+ 1500.7607, m/z 500.9251
H OS G34 P160811 220811-s1.03392.03392.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



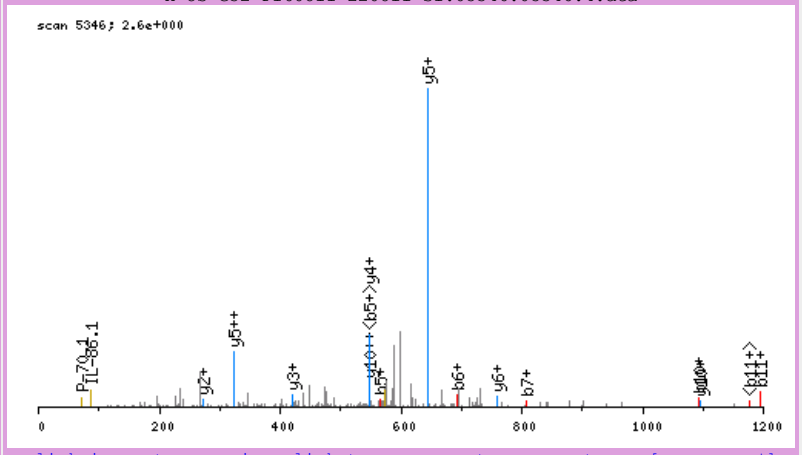
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
284.2610	2	K	11	1379.6656	690.3367
381.3138	3	P	10	1217.5075	609.2576
510.3564	4	E	9	1120.4547	**560.7313**
625.3833	5	D	8	991.4121	496.2100
754.4259	6	E	7	876.3852	438.6965
825.4630	7	A	6	**747.3426**	374.1752
940.4900	8	D	5	**676.3055**	338.6566
1069.5326	9	E	4	**561.2785**	281.1432
1255.6119	10	W	3	**432.2359**	216.6219
1326.6490	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

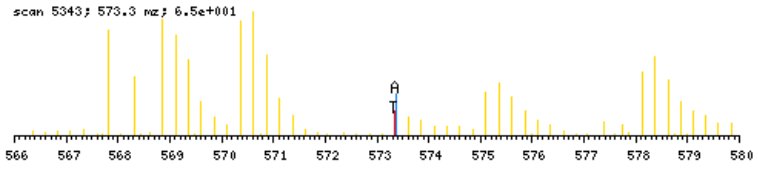
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKPSPQLSAETPVAALPEFPR, MH+ 2290.3083, m/z 573.3325
H OS G32 P160811 220811-s1.05346.05346.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



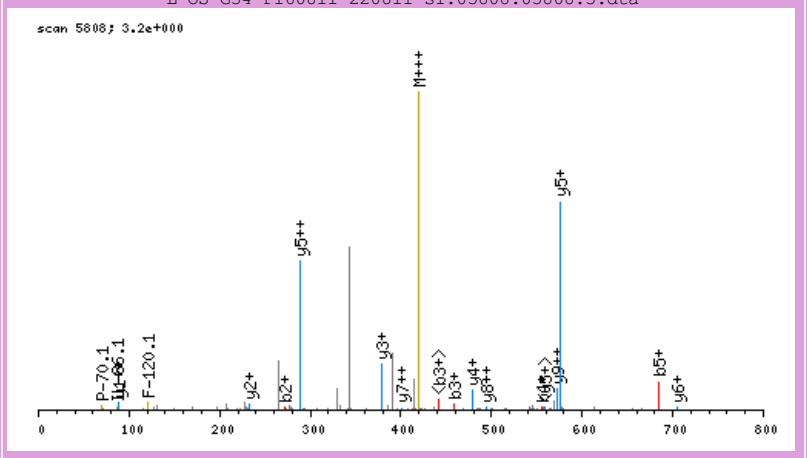
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
284.2610	2	K	20	2169.2132	1085.1105
381.3138	3	P	19	2007.0551	1004.0315
468.3458	4	S	18	1910.0024	955.5051
565.3986	5	P	17	1822.9703	911.9891
693.4572	6	Q	16	1725.9176	863.4627
806.5412	7	L	15	1597.8590	799.4334
893.5733	8	S	14	1484.7749	742.8914
964.6104	9	A	13	1397.7429	699.3754
1093.6530	10	E	12	1326.7058	663.8568
1194.7006	11	T	11	1197.6632	599.3355
1291.7534	12	P	10	**1096.6155**	**548.8117**
1390.8218	13	V	9	999.5627	500.2853
1461.8589	14	A	8	900.4943	450.7511
1532.8960	15	A	7	829.4572	415.2325
1645.9801	16	L	6	**758.4201**	379.7140
1743.0329	17	P	5	**645.3360**	**323.1719**
1872.0755	18	E	4	**548.2833**	274.6455
2019.1439	19	F	3	**419.2407**	210.1243
2116.1966	20	P	2	**272.1723**	136.5900
	21	R	1	175.1195	88.0637

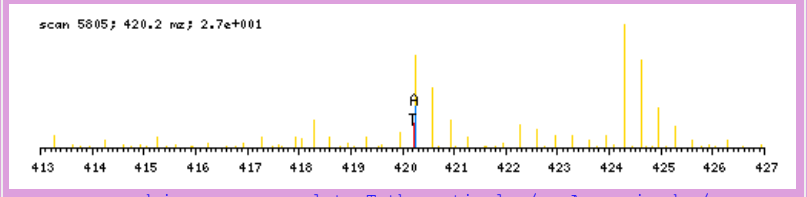
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SKWPEPVFGR, MH+ 1258.6948, m/z 420.2365
L OS G34 P160811 220811-s1.05808.05808.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



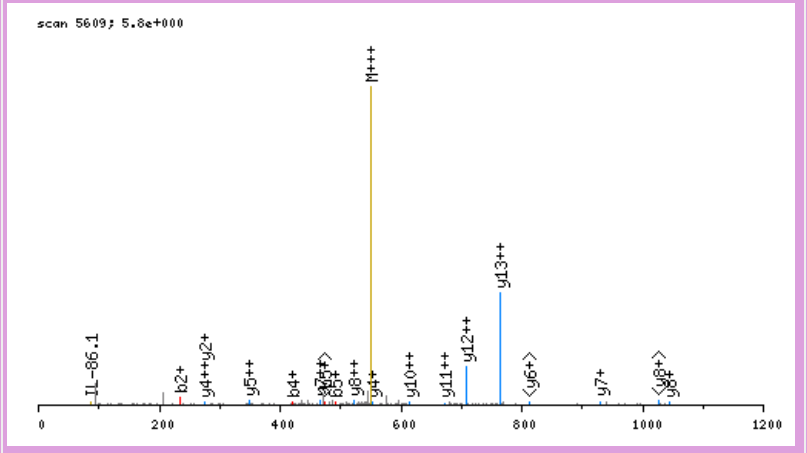
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	10		
272.1974	2	K	9	1143.6315	572.3197
458.2767	3	W	8	987.5052	494.2565
555.3295	4	P	7	801.4259	401.2169
684.3721	5	E	6	704.3731	352.6905
781.4249	6	P	5	575.3306	288.1692
880.4933	7	V	4	478.2778	239.6428
1027.5617	8	F	3	379.2094	190.1086
1084.5832	9	G	2	232.1410	116.5744
	10	R	1	175.1195	88.0637

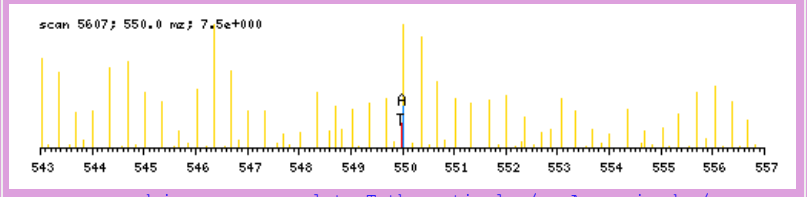
N-term:+29.04 K(2):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLADAINTEFKNTR, MH+ 1647.9342, m/z 549.9829
H OS G33 P160811 220811-s1.05609.05609.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



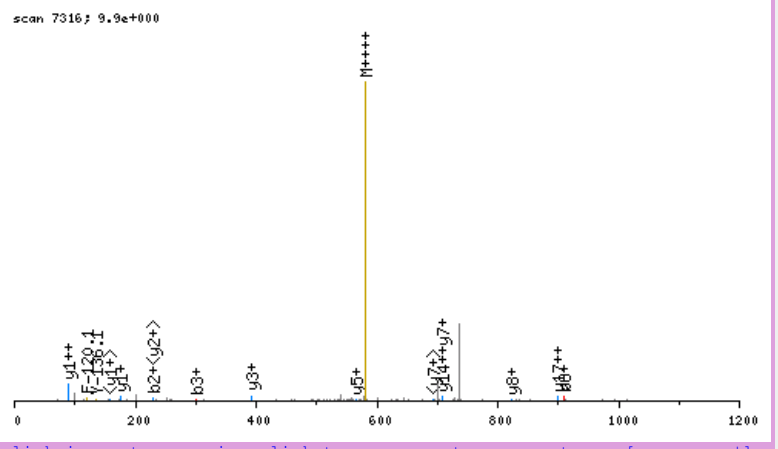
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
235.1870	2	L	13	1526.8391	**763.9235**
306.2241	3	A	12	1413.7551	**707.3814**
421.2510	4	D	11	1342.7179	**671.8629**
492.2882	5	A	10	1227.6910	**614.3494**
605.3722	6	I	9	1156.6539	578.8309
719.4152	7	N	8	**1043.5698**	**522.2888**
820.4628	8	T	7	**929.5269**	**465.2674**
949.5054	9	E	6	828.4792	414.7435
1096.5738	10	F	5	699.4366	**350.2222**
1258.7319	11	K	4	**552.3682**	**276.6880**
1372.7749	12	N	3	390.2101	195.6090
1473.8225	13	T	2	**276.1672**	138.5875
	14	R	1	175.1195	88.0637

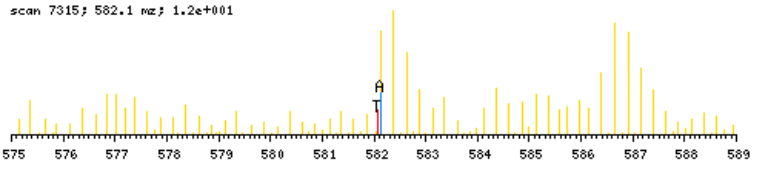
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLAEVPKEAPKVGILGSGDFAR, MH+ 2325.3183, m/z 582.0850
L OS G34 P160811 220811-s1.07316.07316.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



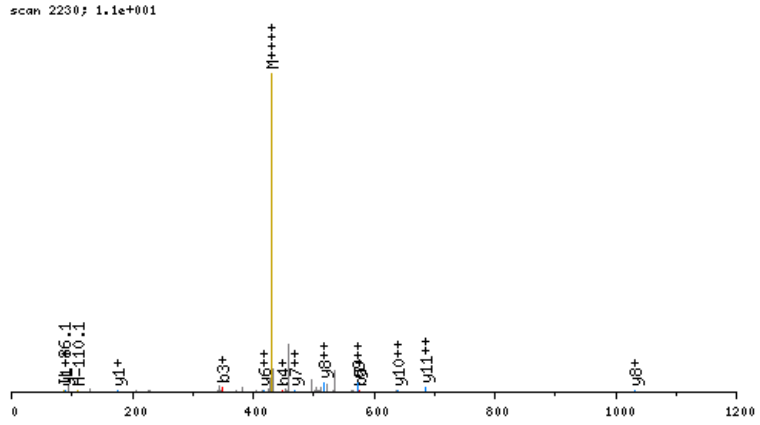
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
229.1552	2	L	21	2210.2550	1105.6314
300.1923	3	A	20	2097.1709	1049.0894
429.2349	4	E	19	2026.1338	1013.5708
528.3033	5	V	18	1897.0912	949.0495
625.3561	6	P	17	1798.0228	**899.5153**
781.4824	7	K	16	1700.9700	850.9889
910.5250	8	E	15	1544.8437	772.9258
981.5621	9	A	14	1415.8011	**708.4045**
1078.6148	10	P	13	1344.7640	672.8859
1234.7411	11	K	12	1247.7112	624.3595
1333.8096	12	V	11	1091.5849	546.2964
1390.8310	13	G	10	992.5165	496.7622
1503.9151	14	I	9	935.4951	468.2514
1616.9992	15	L	8	**822.4110**	411.7094
1674.0206	16	G	7	**709.3269**	355.1674
1761.0526	17	S	6	652.3055	326.6566
1818.0741	18	G	5	**565.2734**	283.1406
1933.1011	19	D	4	508.2520	254.6299
2080.1695	20	F	3	**393.2250**	197.1164
2151.2066	21	A	2	246.1566	123.5822
	22	R	1	**175.1195**	**88.0637**

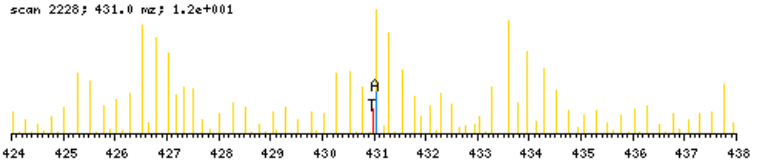
N-term:+29.04 K(7):+156.13
K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLDPENPTKSCKSR, MH+ 1720.9752, m/z 430.9993
H OS G35 P160811 220811-s1.02230.02230.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



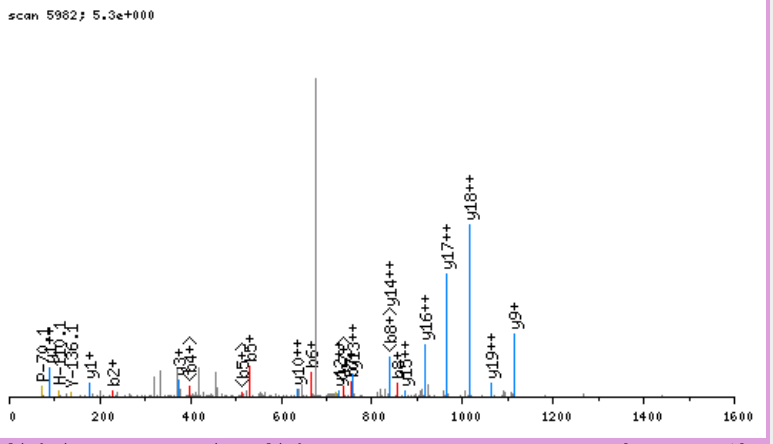
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
235.1870	2	L	13	1599.8801	800.4440
350.2139	3	D	12	1486.7960	743.9019
447.2667	4	P	11	1371.7691	**686.3885**
576.3093	5	E	10	1274.7163	**637.8621**
690.3522	6	N	9	1145.6737	**573.3408**
787.4050	7	P	8	**1031.6308**	**516.3193**
888.4527	8	T	7	934.5780	**467.7929**
1050.6108	9	K	6	833.5304	**417.2691**
1137.6428	10	S	5	671.3723	336.1900
1297.6734	11	C	4	584.3402	292.6740
1459.8315	12	K	3	424.3096	212.6587
1546.8635	13	S	2	262.1515	131.5797
	14	R	1	**175.1195**	**88.0637**

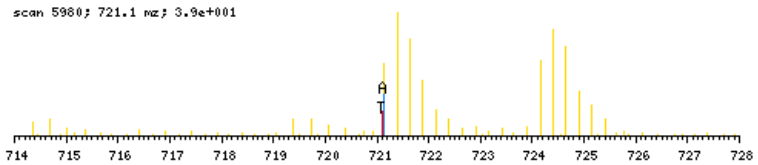
N-term:+35.07 K(9):+162.16
C(11):+160.03 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SLEGDHSTPPSAYGSVKPYTNFDAER, MH+ 2881.3645, m/z 721.0966
L OS G34 P160811 220811-s1.05982.05982.4.dta



click image to zoom in; click top corners to zoom out [precursor]



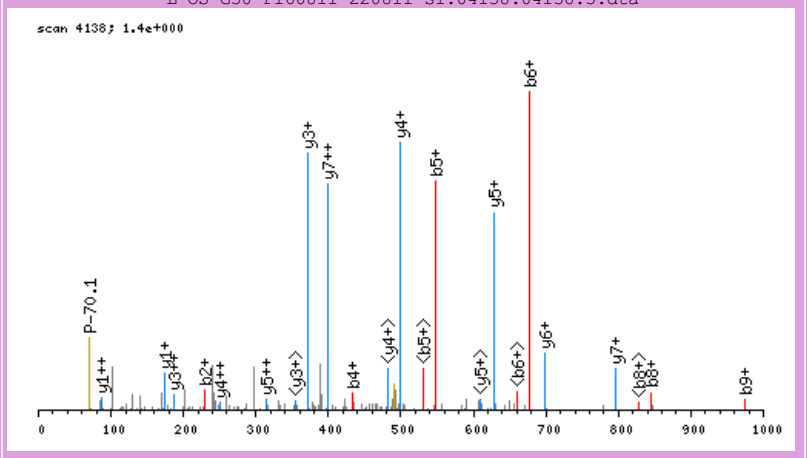
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	26		
229.1552	2	L	25	2766.3012	1383.6545
358.1978	3	E	24	2653.2171	1327.1125
415.2192	4	G	23	2524.1745	1262.5912
530.2462	5	D	22	2467.1530	1234.0804
667.3051	6	H	21	2352.1261	1176.5670
754.3371	7	S	20	2215.0672	1108.0375
855.3848	8	T	19	2128.0351	**1064.5215**
952.4376	9	P	18	2026.9875	**1013.9976**
1049.4903	10	P	17	1929.9347	**965.4713**
1136.5224	11	S	16	1832.8819	**916.9449**
1207.5595	12	A	15	1745.8499	**873.4289**
1370.6228	13	Y	14	1674.8128	**837.9103**
1427.6443	14	G	13	1511.7495	**756.3786**
1514.6763	15	S	12	1454.7280	**727.8679**
1613.7447	16	V	11	1367.6960	684.3519
1769.8710	17	K	10	1268.6276	**634.8177**
1866.9238	18	P	9	**1112.5013**	556.7545
2029.9871	19	Y	8	1015.4485	508.2282
2131.0348	20	T	7	852.3852	426.6965
2245.0777	21	N	6	751.3375	376.1727
2392.1461	22	F	5	637.2946	319.1512
2507.1731	23	D	4	490.2262	245.6170
2578.2102	24	A	3	**375.1992**	188.1035
2707.2528	25	E	2	304.1621	152.5850
	26	R	1	**175.1195**	**88.0637**

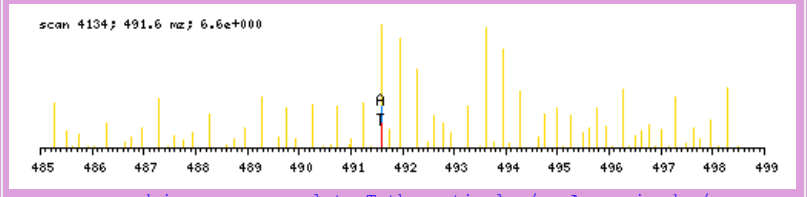
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLGFDEPAEQPVR, MH+ 1472.7385, m/z 491.5844
L OS G30 P160811 220811-s1.04138.04138.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

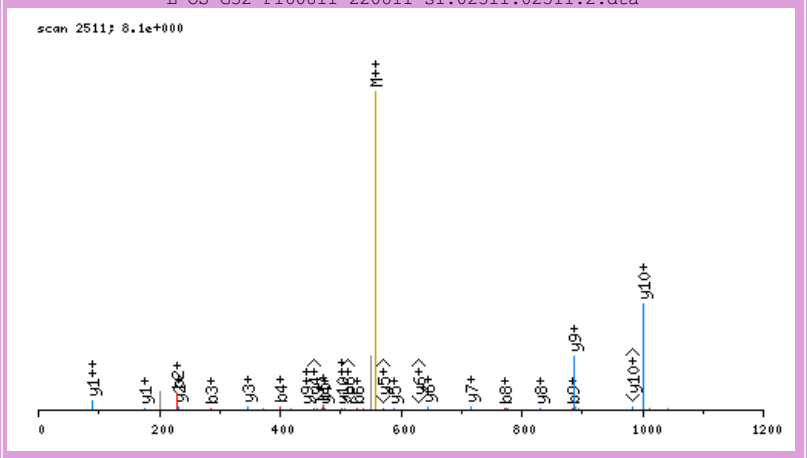


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

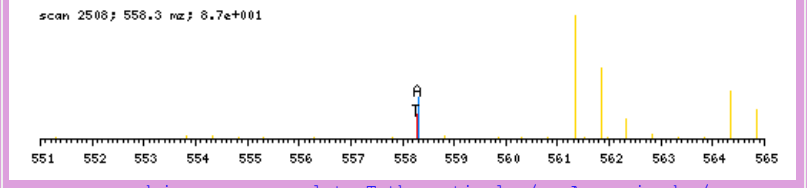
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
229.1552	2	L	12	1357.6752	679.3415
286.1767	3	G	11	1244.5911	622.7995
433.2451	4	F	10	1187.5697	594.2888
548.2720	5	D	9	1040.5013	520.7545
677.3146	6	E	8	925.4743	463.2411
774.3674	7	P	7	**796.4317**	**398.7198**
845.4045	8	A	6	**699.3790**	350.1934
974.4471	9	E	5	**628.3418**	**314.6748**
1102.5057	10	Q	4	**499.2993**	**250.1535**
1199.5584	11	P	3	**371.2407**	**186.1243**
1298.6268	12	V	2	274.1879	137.5979
	13	R	1	**175.1195**	**88.0637**

N-term:+29.04

SLGNAGNEIGR, MH+ 1115.5809, m/z 558.2941
L OS G32 P160811 220811-s1.02511.02511.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

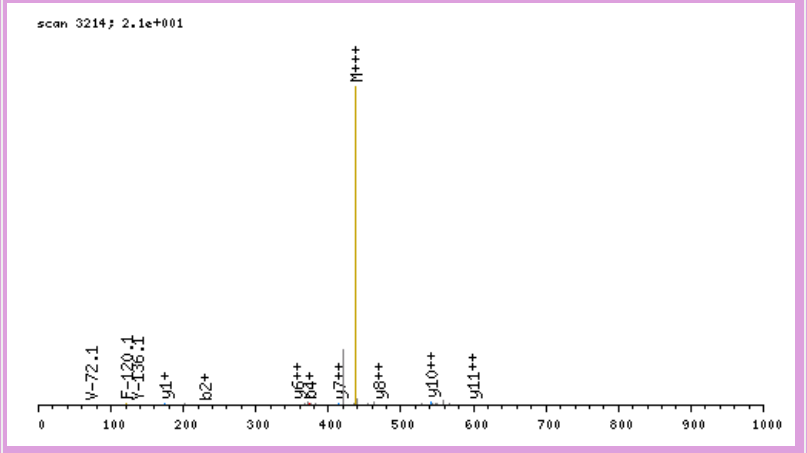
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
229.1552	2	L	10	1000.5176	500.7627
286.1767	3	G	9	887.4335	444.2207
400.2196	4	N	8	830.4121	415.7099
471.2567	5	A	7	716.3691	358.6885
528.2782	6	G	6	645.3320	323.1699
642.3211	7	N	5	588.3105	294.6592
771.3637	8	E	4	474.2676	237.6377
884.4477	9	I	3	345.2250	173.1164
941.4692	10	G	2	232.1410	116.5744
	11	R	1	175.1195	88.0637

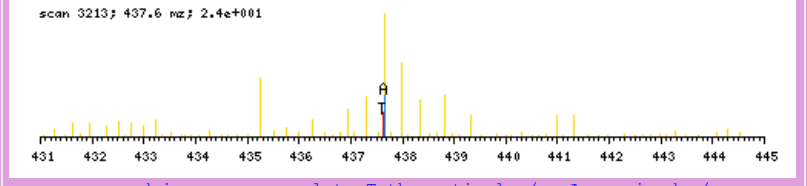
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLGSLLILVVIR, MH+ 1310.8775, m/z 437.6307
L OS G35 P160811 220811-s1.03214.03214.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



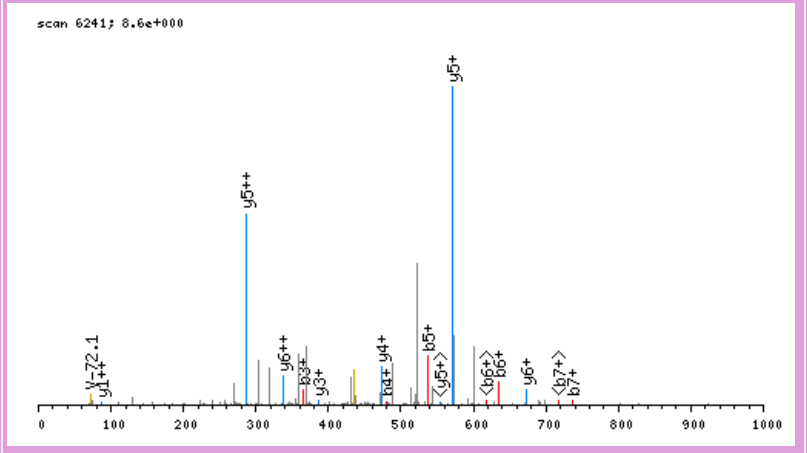
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
229.1552	2	L	11	1195.8142	**598.4110**
286.1767	3	G	10	1082.7301	**541.8690**
373.2087	4	S	9	1025.7087	513.3583
486.2927	5	L	8	938.6766	**469.8422**
599.3768	6	L	7	825.5926	**413.3002**
712.4609	7	I	6	712.5085	**356.7582**
825.5449	8	L	5	599.4245	300.2161
924.6134	9	V	4	486.3404	243.6741
1023.6818	10	V	3	387.2720	194.1399
1136.7658	11	I	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

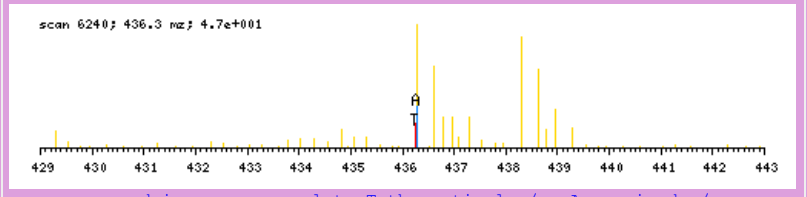
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLHLGVTPSVLR, MH+ 1306.7847, m/z 436.2664
L OS G34 P160811 220811-s1.06241.06241.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

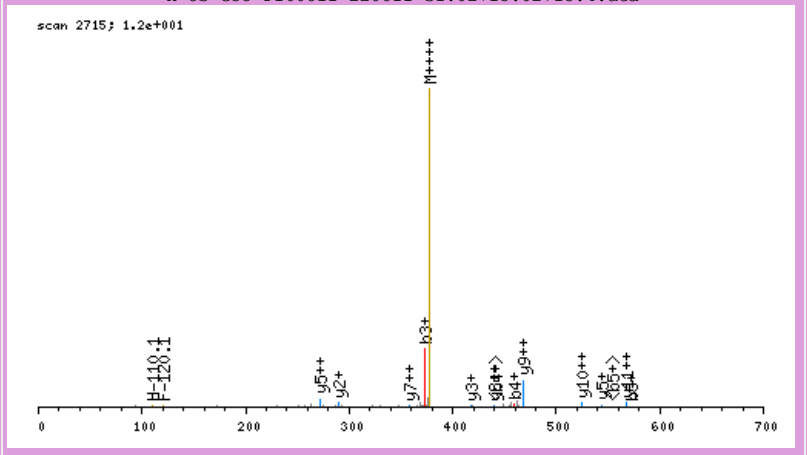


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

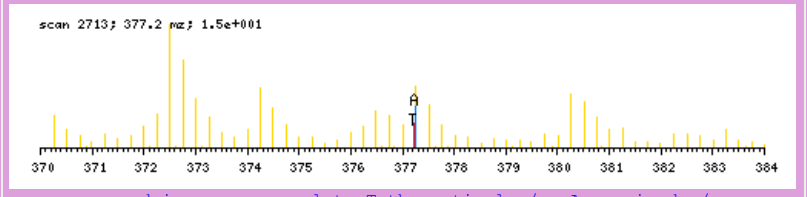
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
229.1552	2	L	11	1191.7214	596.3646
366.2141	3	H	10	1078.6373	539.8226
479.2982	4	L	9	941.5784	471.2931
536.3196	5	G	8	828.4943	414.7511
635.3880	6	V	7	771.4729	386.2403
736.4357	7	T	6	**672.4044**	**336.7061**
833.4885	8	P	5	**571.3568**	**286.1823**
920.5205	9	S	4	**474.3040**	237.6559
1019.5889	10	V	3	**387.2720**	194.1399
1132.6730	11	L	2	288.2036	144.6057
	12	R	1	175.1195	**88.0637**

N-term:+29.04

SLHSIGKIGGAQNR, MH+ 1505.9188, m/z 377.2352
H OS G35 P160811 220811-s1.02715.02715.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

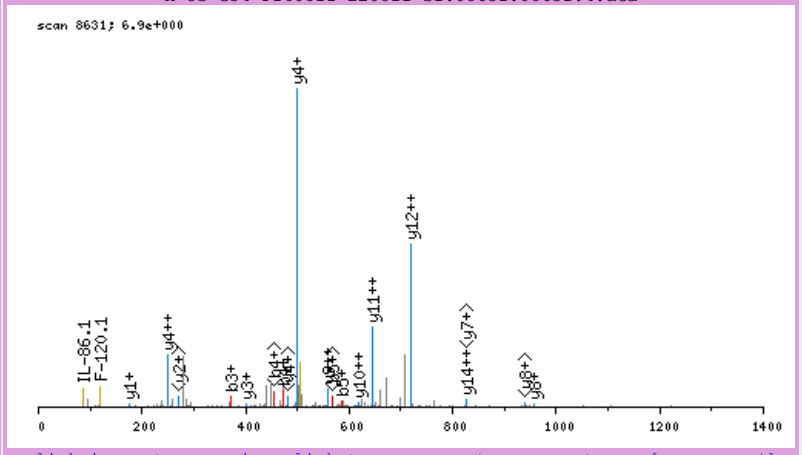
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
235.1870	2	L	13	1384.8237	692.9158
372.2459	3	H	12	1271.7397	636.3738
459.2779	4	S	11	1134.6808	**567.8443**
572.3620	5	I	10	1047.6487	**524.3283**
629.3835	6	G	9	934.5647	**467.7862**
791.5416	7	K	8	877.5432	**439.2755**
904.6256	8	I	7	715.3851	**358.1965**
961.6471	9	G	6	602.3010	301.6544
1018.6686	10	G	5	**545.2796**	**273.1437**
1089.7057	11	A	4	488.2581	244.6330
1217.7642	12	Q	3	**417.2210**	209.1144
1331.8072	13	N	2	**289.1624**	145.0851
	14	R	1	175.1195	88.0637

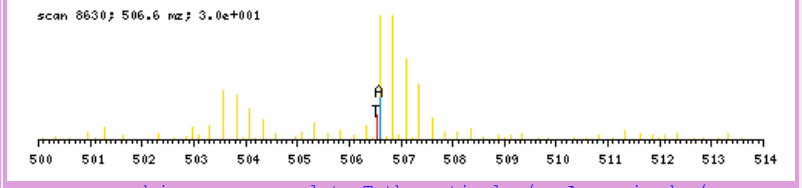
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SLHTLFGDKLCAIPNLR, MH+ 2023.1798, m/z 506.5504
H OS G34 P160811 220811-s1.08631.08631.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



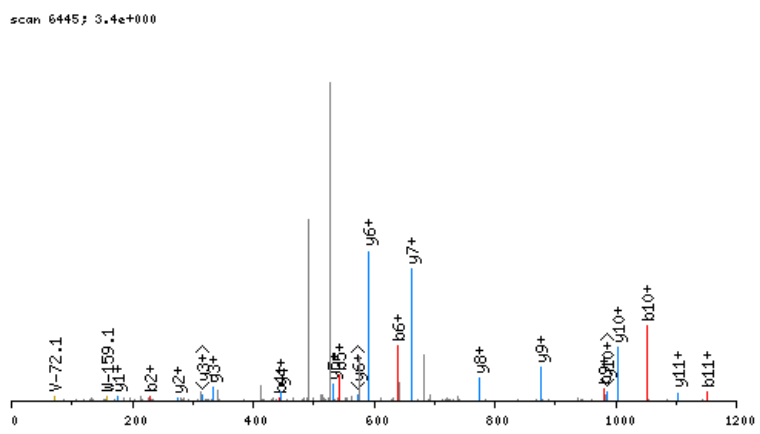
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
235.1870	2	L	16	1902.0847	951.5463
372.2459	3	H	15	1789.0007	895.0042
473.2936	4	T	14	1651.9418	**826.4748**
586.3776	5	L	13	1550.8941	775.9510
733.4461	6	F	12	1437.8100	**719.4089**
790.4675	7	G	11	1290.7416	**645.8747**
905.4945	8	D	10	1233.7201	**617.3640**
1067.6526	9	K	9	1118.6932	**559.8505**
1180.7366	10	L	8	**956.5351**	478.7715
1340.7672	11	C	7	843.4510	422.2294
1411.8043	12	A	6	683.4204	342.2141
1524.8884	13	I	5	612.3833	306.6956
1621.9412	14	P	4	**499.2993**	**250.1535**
1735.9841	15	N	3	**402.2465**	201.6272
1849.0682	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

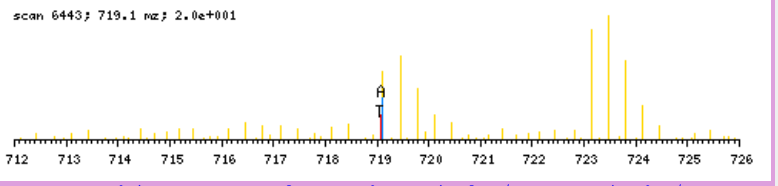
N-term:+35.07 K(9):+162.16
C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLKGVVPEDAVETLAGSLGTR, MH+ 2155.1974, m/z 719.0707
L OS G32 P160811 220811-s1.06445.06445.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



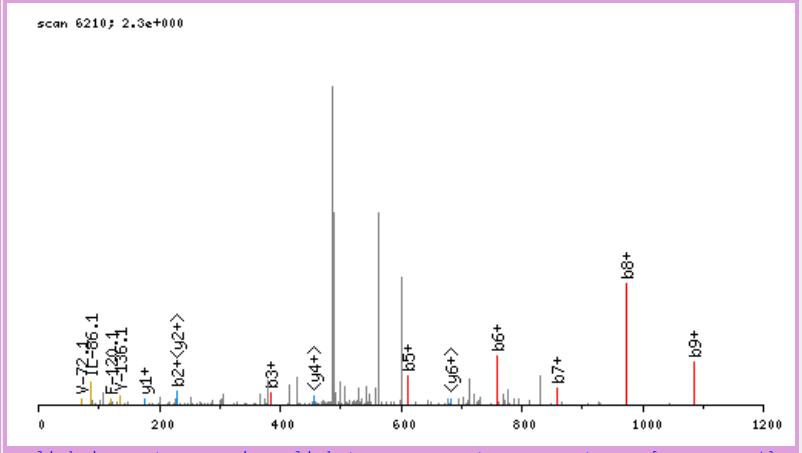
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
229.1552	2	L	20	2040.1341	1020.5710
385.2815	3	K	19	1927.0501	964.0289
442.3030	4	G	18	1770.9238	885.9658
541.3714	5	V	17	1713.9023	857.4551
640.4398	6	V	16	1614.8339	807.9209
737.4925	7	P	15	1515.7655	758.3867
866.5351	8	E	14	1418.7127	709.8603
981.5621	9	D	13	1289.6701	645.3390
1052.5992	10	A	12	1174.6432	587.8255
1151.6676	11	V	11	**1103.6061**	552.3069
1280.7102	12	E	10	**1004.5376**	502.7727
1381.7579	13	T	9	**875.4951**	438.2514
1494.8419	14	L	8	**774.4474**	387.7276
1565.8791	15	A	7	**661.3633**	331.1856
1622.9005	16	G	6	**590.3262**	295.6670
1709.9326	17	S	5	**533.3047**	267.1563
1823.0166	18	L	4	**446.2727**	223.6403
1880.0381	19	G	3	**333.1886**	167.0982
1981.0858	20	T	2	**276.1672**	138.5875
	21	R	1	**175.1195**	88.0637

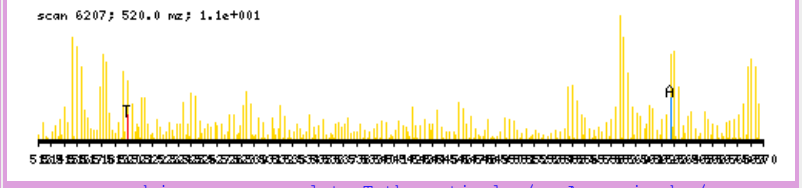
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SLKPEFVDIINAK, MH+ 1557.9257, m/z 519.9801
L OS G33 P160811 220811-s1.06210.06210.3.dta



click image to zoom in; click top corners to zoom out [precursor]



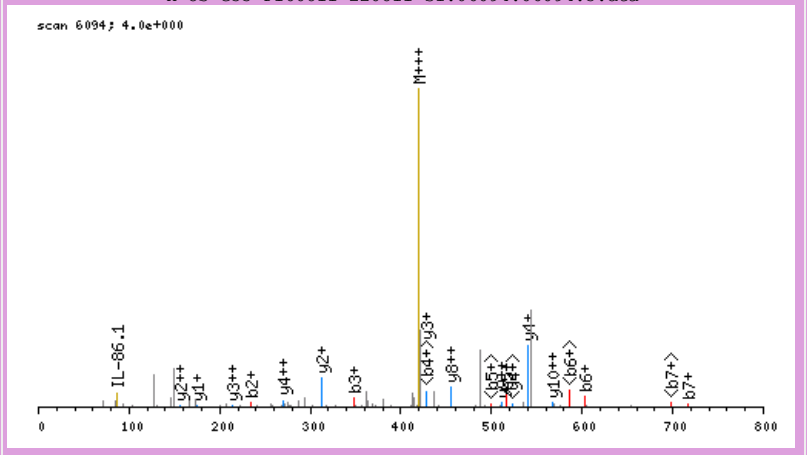
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
229.1552	2	L	12	1442.8624	721.9351
385.2815	3	K	11	1329.7783	665.3931
482.3343	4	P	10	1173.6520	587.3299
611.3768	5	E	9	1076.5992	538.8035
758.4453	6	F	8	947.5566	474.2822
857.5137	7	V	7	800.4882	400.7480
972.5406	8	D	6	701.4198	351.2138
1085.6247	9	I	5	586.3929	293.7003
1198.7087	10	I	4	473.3088	237.1583
1312.7517	11	N	3	360.2247	180.6163
1383.7888	12	A	2	246.1818	123.5948
	13	K	1	175.1447	88.0763

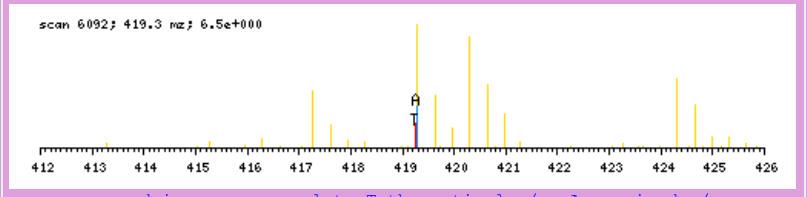
N-term:+29.04 K(3):+156.13
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLLPASLLDHR, MH+ 1255.7586, m/z 419.2577
H OS G33 P160811 220811-s1.06094.06094.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



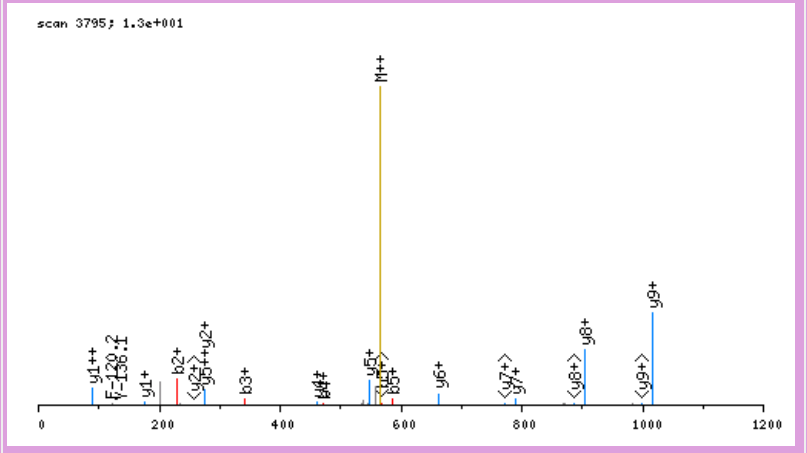
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
235.1870	2	L	10	1134.6635	**567.8357**
348.2711	3	L	9	1021.5795	**511.2936**
445.3238	4	P	8	908.4954	**454.7516**
516.3609	5	A	7	811.4426	406.2252
603.3930	6	S	6	740.4055	370.7067
716.4770	7	L	5	653.3735	327.1907
829.5611	8	L	4	**540.2894**	**270.6486**
944.5880	9	D	3	**427.2054**	**214.1066**
1081.6469	10	H	2	**312.1784**	**156.5931**
	11	R	1	**175.1195**	88.0637

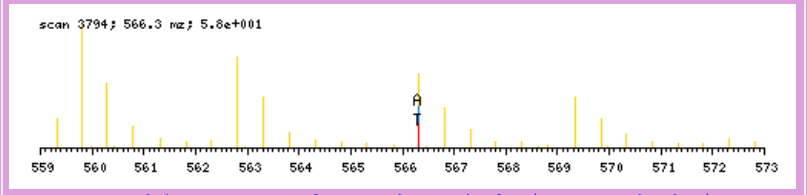
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLLQDSGEVR, MH+ 1131.6010, m/z 566.3041
L OS G31 P160811 220811-s1.03795.03795.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



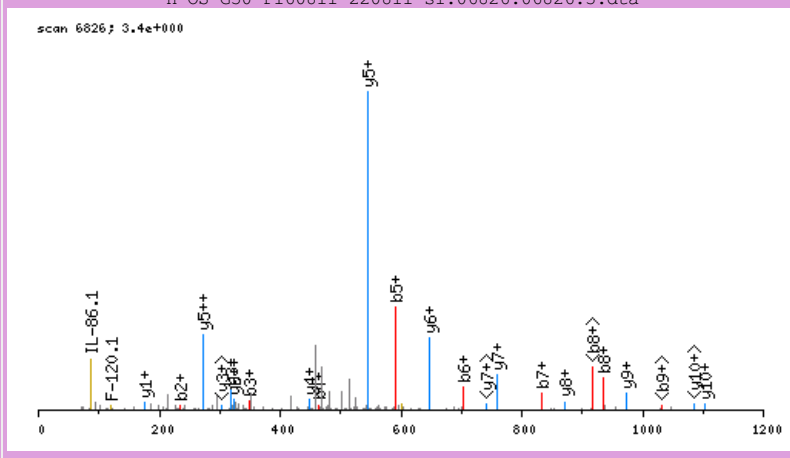
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	10		
229.1552	2	L	9	1016.5376	508.7727
342.2393	3	L	8	903.4536	452.2307
470.2978	4	Q	7	790.3695	395.6887
585.3248	5	D	6	662.3109	331.6594
672.3568	6	S	5	547.2840	274.1459
729.3783	7	G	4	460.2520	230.6299
858.4209	8	E	3	403.2305	202.1192
957.4893	9	V	2	274.1879	137.5979
	10	R	1	175.1195	88.0637

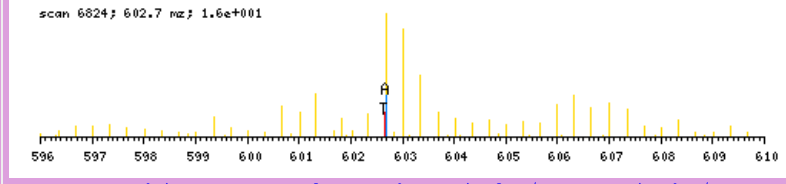
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLNNQIETLLTPEGSR, MH+ 1805.9821, m/z 602.6655
H OS G30 P160811 220811-s1.06826.06826.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



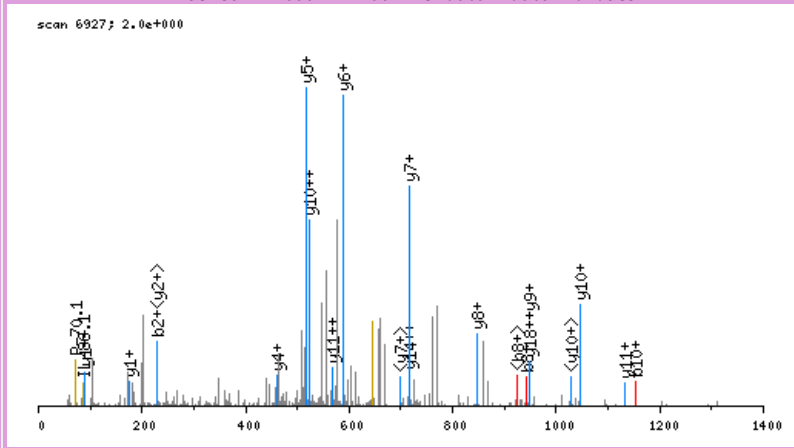
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
235.1870	2	L	15	1684.8870	842.9474
349.2299	3	N	14	1571.8029	786.4054
463.2728	4	N	13	1457.7600	729.3839
591.3314	5	Q	12	1343.7171	672.3624
704.4155	6	I	11	1215.6585	608.3332
833.4581	7	E	10	1102.5744	551.7911
934.5058	8	T	9	973.5318	487.2698
1047.5898	9	L	8	872.4842	436.7460
1160.6739	10	L	7	759.4001	380.2040
1261.7216	11	T	6	646.3160	323.6619
1358.7743	12	P	5	545.2683	273.1381
1487.8169	13	E	4	448.2156	224.6117
1544.8384	14	G	3	319.1730	160.0904
1631.8704	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

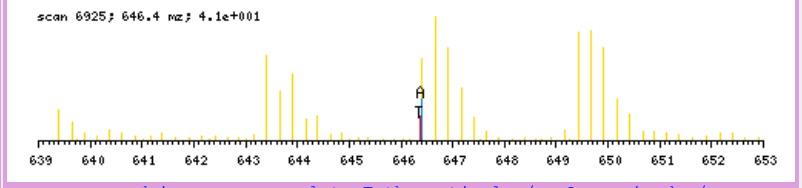
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLPPHQKVPLPSLSPTMQAGTIAR, MH+ 2582.4493, m/z 646.3678
L OS G34 P160811 220811-s1.06927.06927.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



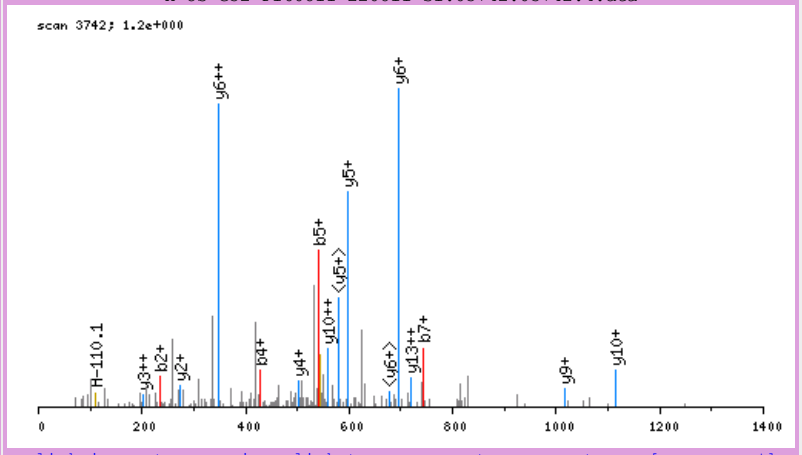
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
229.1552	2	L	23	2467.3859	1234.1969
326.2080	3	P	22	2354.3019	1177.6549
423.2607	4	P	21	2257.2491	1129.1285
560.3196	5	H	20	2160.1964	1080.6021
688.3782	6	Q	19	2023.1374	1012.0726
844.5045	7	K	18	1895.0789	**948.0433**
943.5729	8	V	17	1738.9526	869.9802
1040.6257	9	P	16	1639.8842	820.4460
1153.7098	10	L	15	1542.8314	771.9196
1250.7625	11	P	14	1429.7473	**715.3776**
1337.7945	12	S	13	1332.6946	666.8512
1450.8786	13	L	12	1245.6625	623.3352
1537.9106	14	S	11	**1132.5785**	**566.7931**
1634.9634	15	P	10	**1045.5464**	**523.2771**
1736.0111	16	T	9	**948.4937**	474.7508
1867.0516	17	M	8	**847.4460**	424.2269
1995.1101	18	Q	7	**716.4055**	358.7067
2066.1473	19	A	6	**588.3469**	294.6774
2123.1687	20	G	5	**517.3098**	259.1588
2224.2164	21	T	4	**460.2884**	230.6481
2337.3005	22	I	3	359.2407	180.1243
2408.3376	23	A	2	246.1566	123.5822
	24	R	1	**175.1195**	**88.0637**

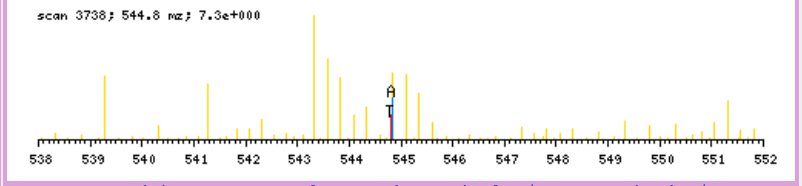
N-term:+29.04 K(7):+156.13

SLPPIQAPSHPPPQPPTQPR, MH+ 2176.2091, m/z 544.8077
H OS G32 P160811 220811-s1.03742.03742.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



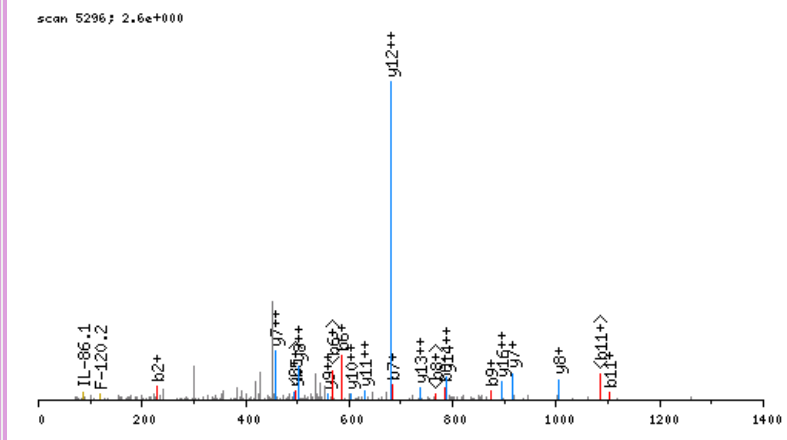
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
235.1870	2	L	19	2055.1140	1028.0609
332.2398	3	P	18	1942.0299	971.5189
429.2925	4	P	17	1844.9771	922.9925
542.3766	5	I	16	1747.9244	874.4661
670.4352	6	Q	15	1634.8403	817.9241
741.4723	7	A	14	1506.7817	753.8948
838.5250	8	P	13	1435.7446	**718.3762**
925.5571	9	S	12	1338.6919	669.8498
1062.6160	10	H	11	1251.6598	626.3338
1159.6687	11	P	10	**1114.6009**	**557.8044**
1256.7215	12	P	9	**1017.5482**	509.2780
1353.7743	13	P	8	920.4954	460.7516
1481.8328	14	Q	7	823.4426	412.2252
1578.8856	15	P	6	**695.3840**	**348.1959**
1675.9384	16	P	5	**598.3313**	299.6696
1776.9861	17	T	4	**501.2785**	251.1432
1905.0446	18	Q	3	400.2308	**200.6193**
2002.0974	19	P	2	**272.1723**	136.5900
	20	R	1	175.1195	88.0637

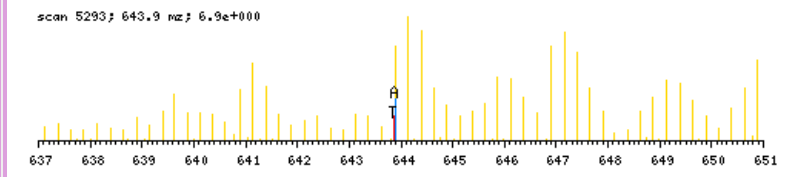
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLPSTAVTSETLPGSLSPPVEKYR, MH+ 2572.3874, m/z 643.8523
L OS G32 P160811 220811-s1.05296.05296.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



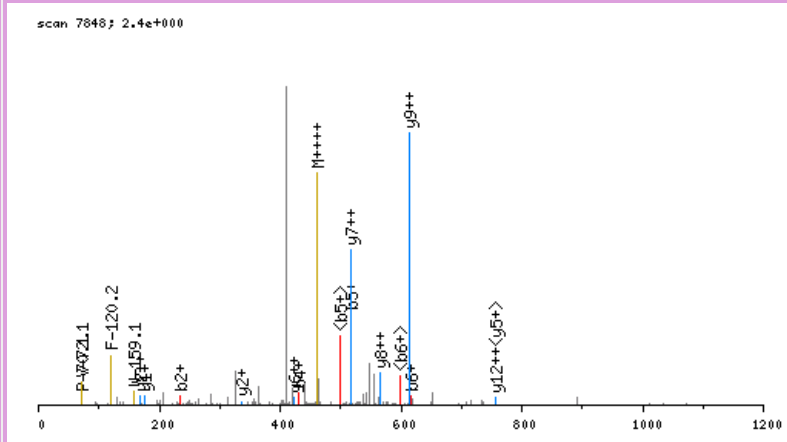
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
229.1552	2	L	23	2457.3241	1229.1660
326.2080	3	P	22	2344.2401	1172.6239
413.2400	4	S	21	2247.1873	1124.0976
514.2877	5	T	20	2160.1553	1080.5815
585.3248	6	A	19	2059.1076	1030.0577
684.3932	7	V	18	1988.0705	994.5391
785.4409	8	T	17	1889.0021	945.0049
872.4729	9	S	16	1787.9544	**894.4811**
1001.5155	10	E	15	1700.9223	850.9651
1102.5632	11	T	14	1571.8798	**786.4438**
1215.6472	12	L	13	1470.8321	**735.9200**
1312.7000	13	P	12	1357.7480	**679.3779**
1369.7215	14	G	11	1260.6952	**630.8515**
1456.7535	15	S	10	1203.6738	**602.3408**
1569.8376	16	L	9	1116.6418	**558.8248**
1656.8696	17	S	8	**1003.5577**	**502.2828**
1753.9223	18	P	7	**916.5257**	**458.7667**
1850.9751	19	P	6	819.4729	410.2404
1950.0435	20	V	5	722.4201	361.7140
2079.0861	21	E	4	623.3517	312.1798
2235.2124	22	K	3	**494.3091**	247.6585
2398.2757	23	Y	2	338.1828	169.5953
	24	R	1	175.1195	88.0637

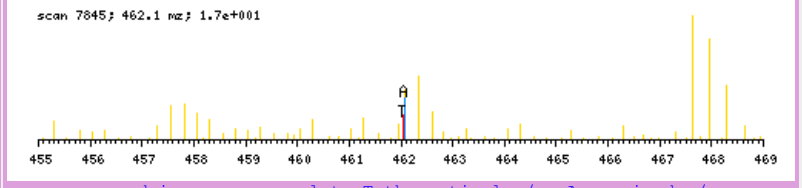
N-term:+29.04 K(22):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SLPVSVPVWAFKEKR, MH+ 1845.1851, m/z 462.0517
H OS G34 P160811 220811-s1.07848.07848.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

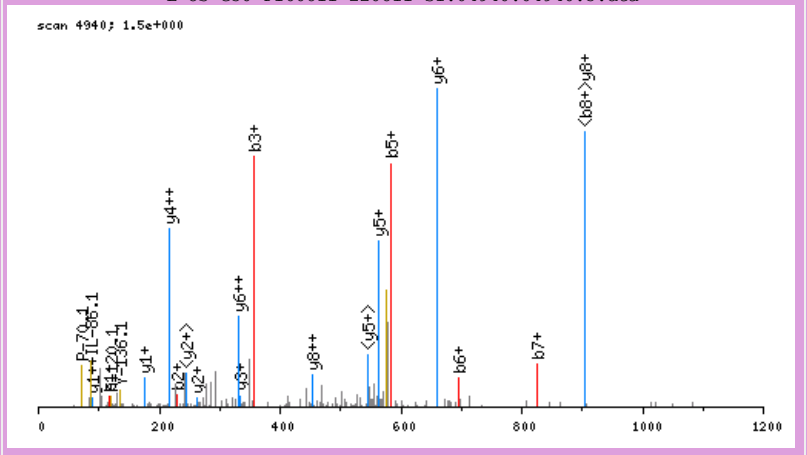


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

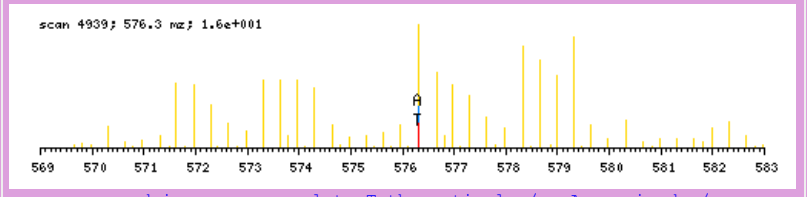
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
235.1870	2	L	14	1724.0900	862.5489
332.2398	3	P	13	1611.0059	806.0069
431.3082	4	V	12	1513.9532	**757.4805**
518.3402	5	S	11	1414.8848	707.9463
617.4086	6	V	10	1327.8527	664.4303
714.4614	7	P	9	1228.7843	**614.8961**
813.5298	8	V	8	1131.7315	**566.3697**
999.6091	9	W	7	1032.6631	**516.8355**
1070.6462	10	A	6	846.5838	**423.7958**
1217.7146	11	F	5	775.5467	388.2773
1379.8727	12	K	4	628.4783	314.7431
1508.9153	13	E	3	466.3202	233.6640
1671.0734	14	K	2	**337.2776**	**169.1427**
	15	R	1	**175.1195**	88.0637

N-term:+35.07 K(12):+162.16
K(14):+162.16

SLQPEIQPFPQTASR, MH+ 1726.9128, m/z 576.3091
L OS G30 P160811 220811-s1.04940.04940.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

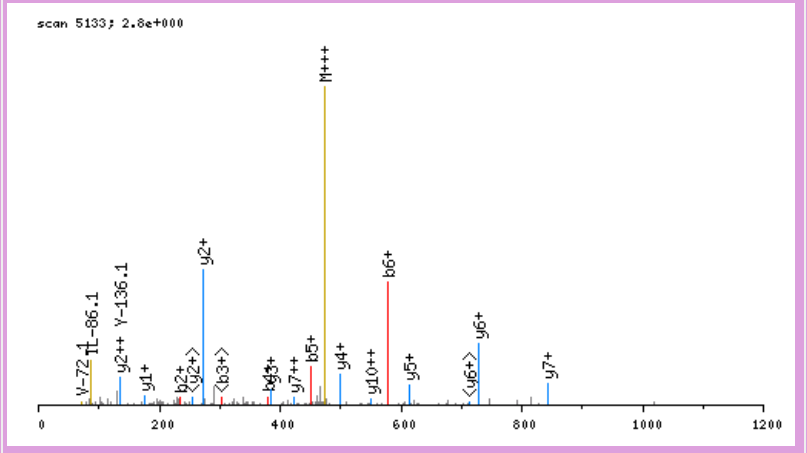
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
229.1552	2	L	14	1611.8495	806.4287
357.2138	3	Q	13	1498.7654	749.8866
454.2665	4	P	12	1370.7068	685.8573
583.3091	5	E	11	1273.6541	637.3310
696.3932	6	I	10	1144.6115	572.8097
824.4518	7	Q	9	1031.5274	516.2676
921.5045	8	P	8	903.4688	452.2383
1068.5729	9	F	7	806.4161	403.7120
1165.6257	10	P	6	659.3477	330.1777
1293.6843	11	Q	5	562.2949	281.6514
1394.7320	12	T	4	434.2363	217.6221
1465.7691	13	A	3	333.1886	167.0982
1552.8011	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

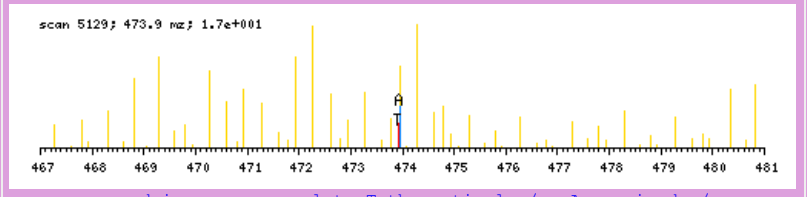
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SLSGAQIDDNIPR, MH+ 1419.7656, m/z 473.9267
H OS G31 P160811 220811-s1.05133.05133.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



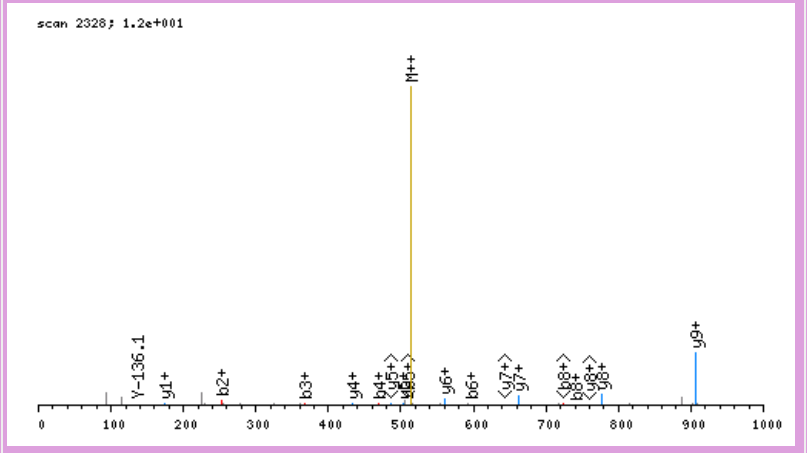
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
235.1870	2	L	12	1298.6705	649.8391
322.2190	3	S	11	1185.5864	593.2971
379.2405	4	G	10	1098.5544	**549.7811**
450.2776	5	A	9	1041.5329	521.2704
578.3362	6	Q	8	970.4958	485.7518
691.4202	7	I	7	**842.4372**	**421.7225**
806.4472	8	D	6	**729.3531**	365.1805
921.4741	9	D	5	**614.3262**	307.6670
1035.5171	10	N	4	**499.2993**	250.1535
1148.6011	11	I	3	**385.2563**	193.1321
1245.6539	12	P	2	**272.1723**	**136.5900**
	13	R	1	**175.1195**	88.0637

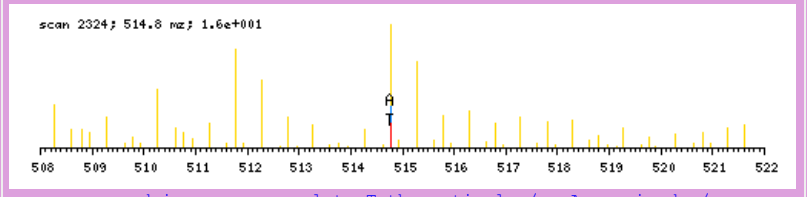
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SMDTGAGSIR, MH+ 1028.5258, m/z 514.7666
H OS G31 P160811 220811-s1.02328.02328.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



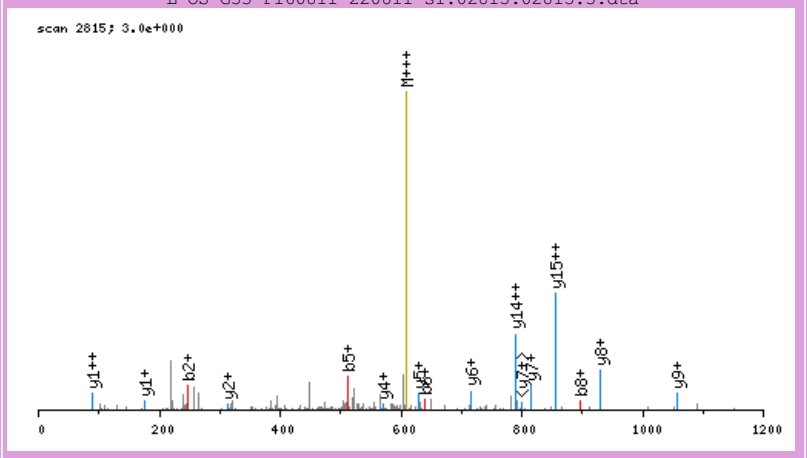
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	10		
253.1434	2	M	9	907.4307	454.2193
368.1704	3	D	8	776.3903	388.6990
469.2180	4	T	7	661.3633	331.1856
526.2395	5	G	6	560.3156	280.6617
597.2766	6	A	5	503.2942	252.1510
654.2981	7	G	4	432.2571	216.6324
741.3301	8	S	3	375.2356	188.1217
854.4142	9	I	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

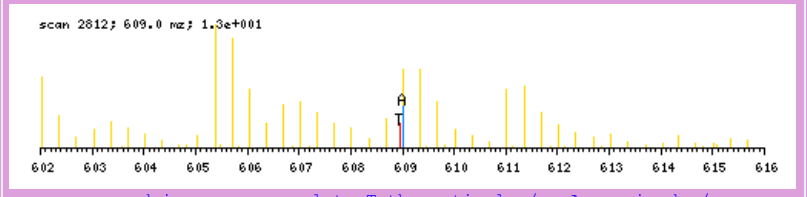
N-term:+35.07

SMPPAQQQITSGQMHR, MH+ 1824.8849, m/z 608.9665
L OS G33 P160811 220811-s1.02815.02815.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



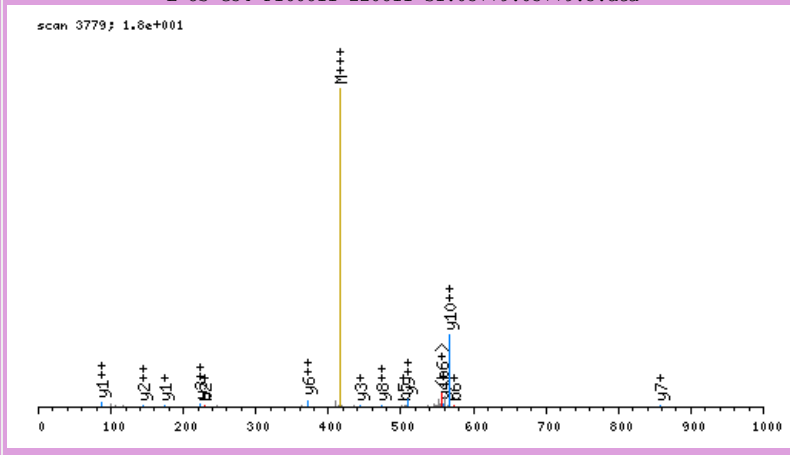
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
247.1116	2	M	15	1709.8216	**855.4147**
344.1644	3	P	14	1578.7811	**789.8945**
441.2171	4	P	13	1481.7283	741.3681
512.2543	5	A	12	1384.6756	692.8417
640.3128	6	Q	11	1313.6384	657.3231
768.3714	7	Q	10	1185.5799	593.2938
896.4300	8	Q	9	**1057.5213**	529.2646
1009.5141	9	I	8	**929.4627**	465.2353
1110.5617	10	T	7	**816.3786**	408.6932
1197.5938	11	S	6	**715.3310**	358.1694
1254.6152	12	G	5	**628.2989**	314.6534
1382.6738	13	Q	4	**571.2775**	286.1426
1513.7143	14	M	3	443.2189	222.1134
1650.7732	15	H	2	**312.1784**	156.5931
	16	R	1	**175.1195**	**88.0637**

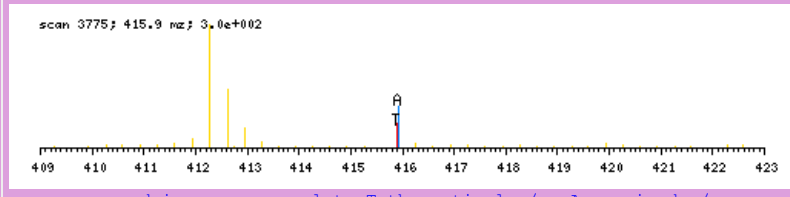
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNASDALDKIR, MH+ 1245.6803, m/z 415.8983
L OS G34 P160811 220811-s1.03779.03779.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



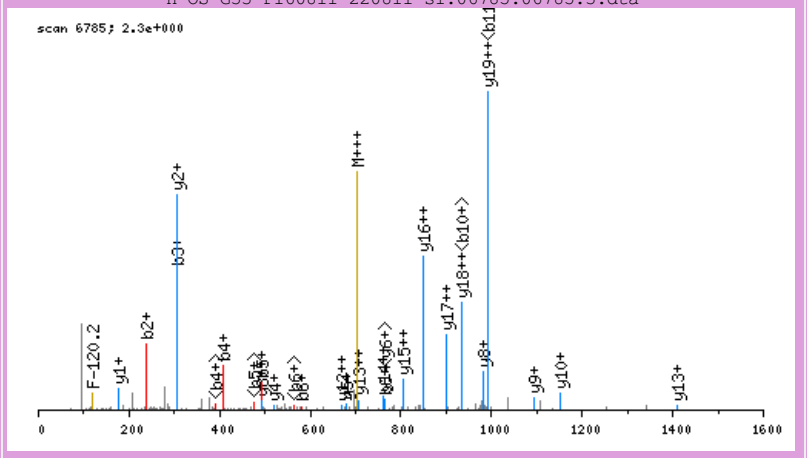
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
230.1141	2	N	10	1130.6170	**565.8124**
301.1512	3	A	9	1016.5741	**508.7909**
388.1832	4	S	8	945.5370	**473.2724**
503.2101	5	D	7	**858.5049**	429.7564
574.2473	6	A	6	743.4780	**372.2429**
687.3313	7	L	5	672.4409	336.7243
802.3583	8	D	4	**559.3568**	280.1823
958.4846	9	K	3	**444.3299**	**222.6688**
1071.5686	10	I	2	288.2036	**144.6057**
	11	R	1	**175.1195**	**88.0637**

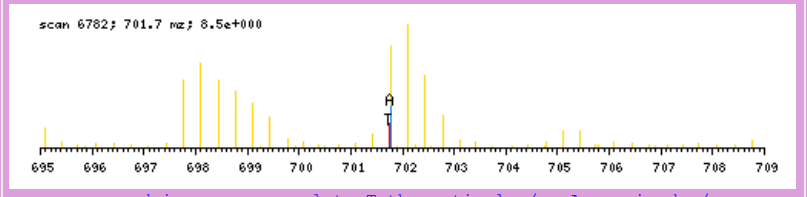
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNAVSSLASTGLSLTKVDER, MH+ 2103.1933, m/z 701.7360
H OS G33 P160811 220811-s1.06785.06785.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



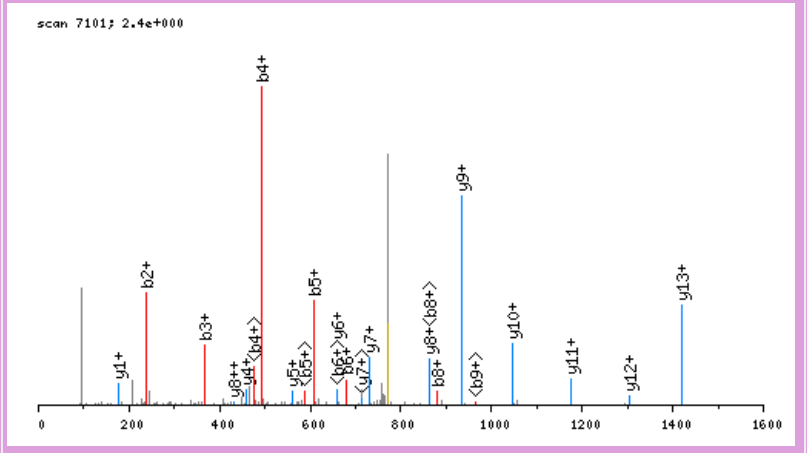
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
236.1459	2	N	19	1982.0982	**991.5530**
307.1830	3	A	18	1868.0553	**934.5316**
406.2514	4	V	17	1797.0182	**899.0130**
493.2834	5	S	16	1697.9498	**849.4788**
580.3154	6	S	15	1610.9178	**805.9628**
693.3995	7	L	14	1523.8857	**762.4468**
764.4366	8	A	13	**1410.8017**	**705.9047**
851.4686	9	S	12	1339.7646	**670.3862**
952.5163	10	T	11	1252.7325	626.8702
1009.5378	11	G	10	**1151.6848**	576.3463
1122.6219	12	L	9	**1094.6634**	547.8356
1209.6539	13	S	8	**981.5793**	**491.2936**
1322.7379	14	L	7	894.5473	447.7776
1423.7856	15	T	6	781.4632	391.2355
1585.9437	16	K	5	**680.4156**	340.7117
1685.0121	17	V	4	**518.2575**	259.6326
1800.0391	18	D	3	419.1890	210.0984
1929.0817	19	E	2	**304.1621**	152.5850
	20	R	1	**175.1195**	88.0637

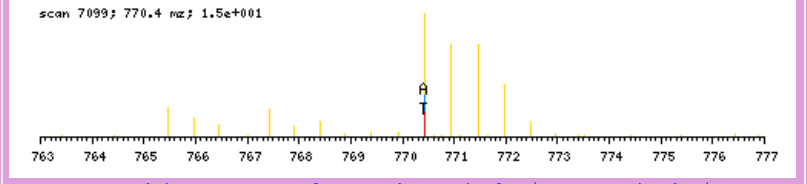
N-term:+35.07 K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNEEIAMATVTALR, MH+ 1539.8264, m/z 770.4169
H OS G31 P160811 220811-s1.07101.07101.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



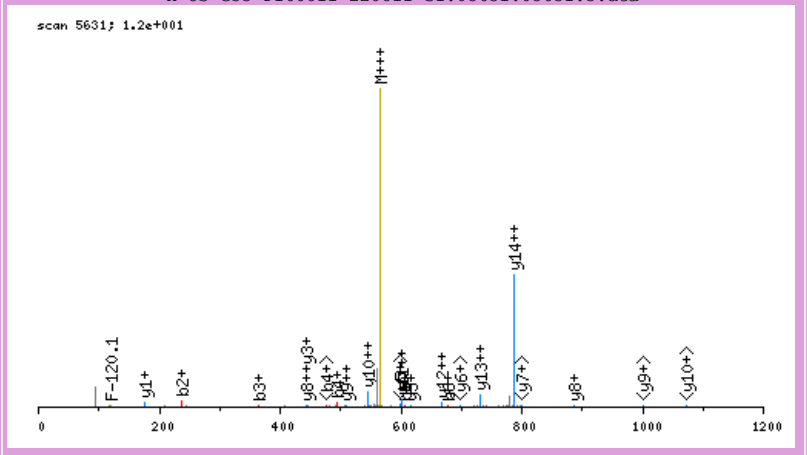
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
236.1459	2	N	13	1418.7313	709.8696
365.1884	3	E	12	1304.6884	652.8481
494.2310	4	E	11	1175.6458	588.3268
607.3151	5	I	10	1046.6032	523.8055
678.3522	6	A	9	933.5192	467.2635
809.3927	7	M	8	862.4820	431.7449
880.4298	8	A	7	731.4416	366.2247
981.4775	9	T	6	660.4044	330.7061
1080.5459	10	V	5	559.3568	280.1823
1181.5936	11	T	4	460.2884	230.6481
1252.6307	12	A	3	359.2407	180.1243
1365.7148	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

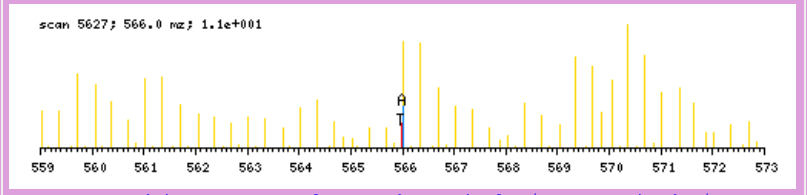
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SNEEIAMATVTALRR, MH+ 1695.9276, m/z 565.9807
H OS G33 P160811 220811-s1.05631.05631.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

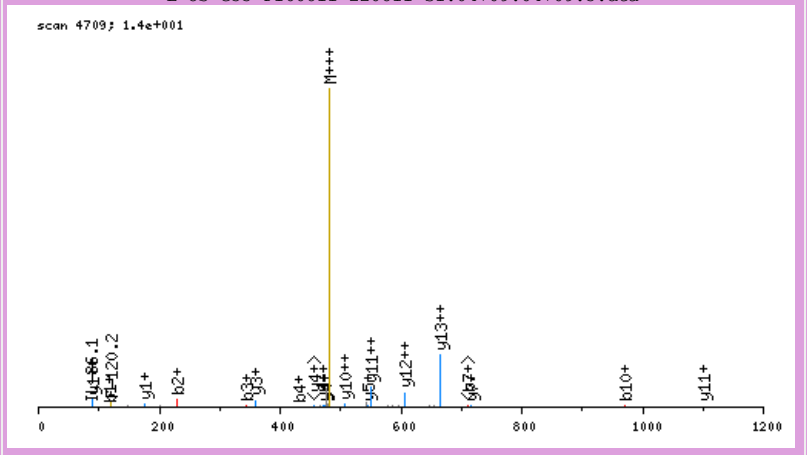


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

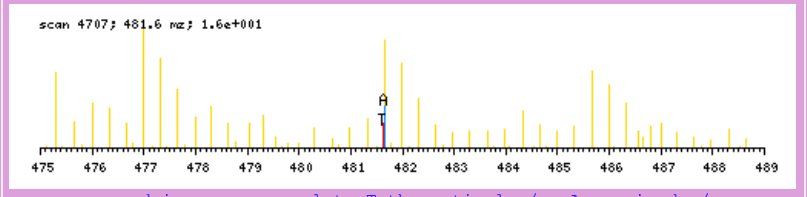
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
236.1459	2	N	14	1574.8325	787.9201
365.1884	3	E	13	1460.7895	730.8987
494.2310	4	E	12	1331.7469	666.3774
607.3151	5	I	11	1202.7043	601.8561
678.3522	6	A	10	1089.6203	545.3140
809.3927	7	M	9	1018.5832	509.7955
880.4298	8	A	8	887.5427	444.2752
981.4775	9	T	7	816.5056	408.7567
1080.5459	10	V	6	715.4579	358.2329
1181.5936	11	T	5	616.3895	308.6986
1252.6307	12	A	4	515.3418	258.1748
1365.7148	13	L	3	444.3047	222.6563
1521.8159	14	R	2	331.2206	166.1142
	15	R	1	175.1195	88.0637

N-term:+35.07

SNISAAKAVADAIR, MH+ 1442.8331, m/z 481.6159
L OS G33 P160811 220811-s1.04709.04709.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



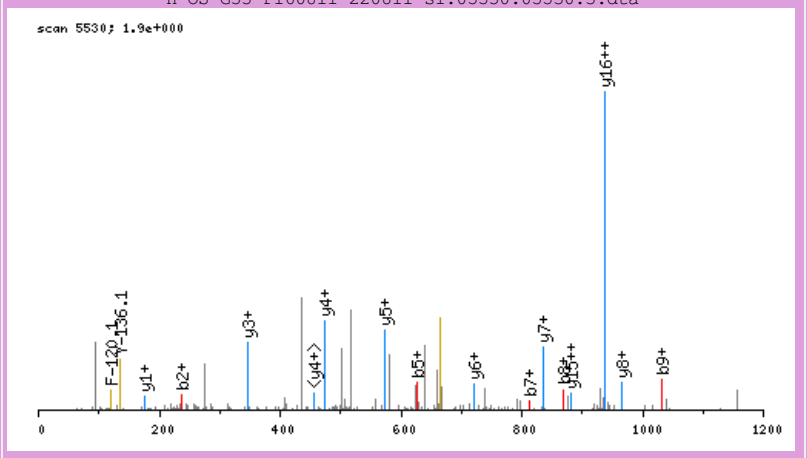
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

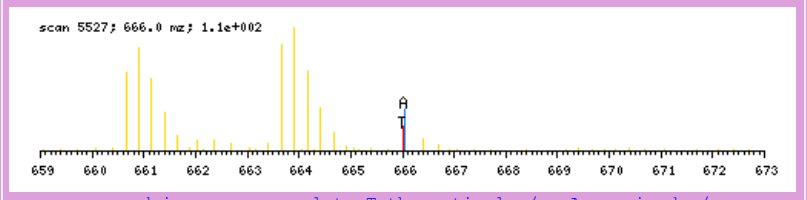
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
230.1141	2	N	13	1327.7698	664.3888
343.1981	3	I	12	1213.7269	607.3674
430.2301	4	S	11	1100.6428	550.8253
501.2673	5	A	10	1013.6108	507.3093
572.3044	6	A	9	942.5737	471.7908
728.4307	7	K	8	871.5366	436.2722
799.4678	8	A	7	715.4103	358.2090
898.5362	9	V	6	644.3731	322.6905
969.5733	10	A	5	545.3047	273.1563
1084.6003	11	D	4	474.2676	237.6377
1155.6374	12	A	3	359.2407	180.1243
1268.7214	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

N-term:+29.04 K(7):+156.13

SNNKDQGGYEDFVEGLR, MH+ 1996.0048, m/z 666.0065
H_OS_G33_P160811_220811-s1.05530.05530.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

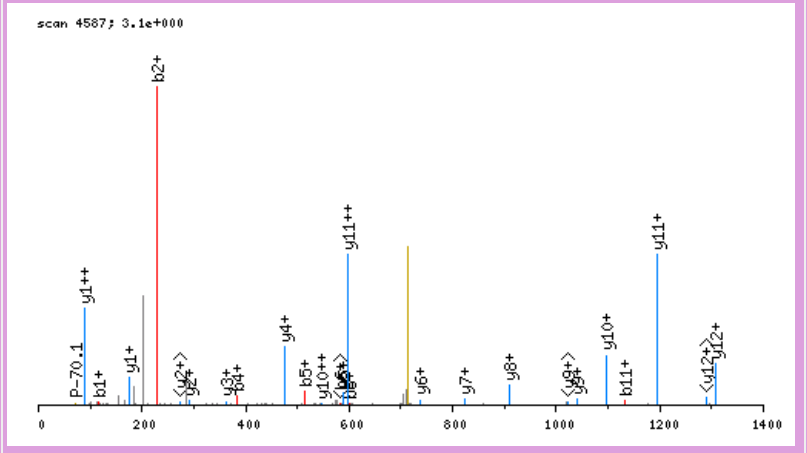
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
236.1459	2	N	16	1874.9097	**937.9588**
350.1888	3	N	15	1760.8668	**880.9373**
512.3469	4	K	14	1646.8239	823.9158
627.3738	5	D	13	1484.6658	742.8368
755.4324	6	Q	12	1369.6388	685.3233
812.4539	7	G	11	1241.5802	621.2940
869.4753	8	G	10	1184.5588	592.7833
1032.5387	9	Y	9	1127.5373	564.2726
1161.5813	10	E	8	**964.4740**	482.7409
1276.6082	11	D	7	**835.4314**	418.2196
1423.6766	12	F	6	**720.4044**	360.7061
1522.7450	13	V	5	**573.3360**	287.1719
1651.7876	14	E	4	**474.2676**	237.6377
1708.8091	15	G	3	**345.2250**	173.1164
1821.8931	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

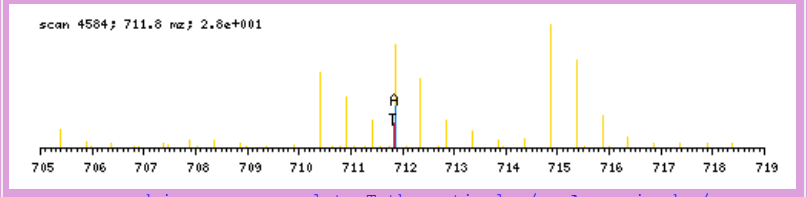
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNPGESSFDLADR, MH+ 1422.6501, m/z 711.8287
L OS G31 P160811 220811-s1.04587.04587.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



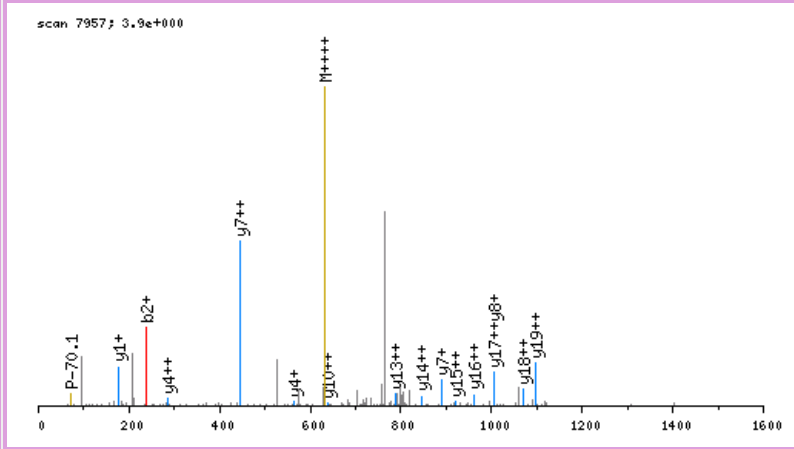
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
230.1141	2	N	12	1307.5868	654.2973
327.1668	3	P	11	1193.5439	597.2758
384.1883	4	G	10	1096.4911	548.7495
513.2309	5	E	9	1039.4696	520.2387
600.2629	6	S	8	910.4270	455.7174
687.2949	7	S	7	823.3950	412.2014
834.3633	8	F	6	736.3630	368.6854
949.3903	9	D	5	589.2946	295.1512
1062.4744	10	L	4	474.2676	237.6377
1133.5115	11	A	3	361.1836	181.0957
1248.5384	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

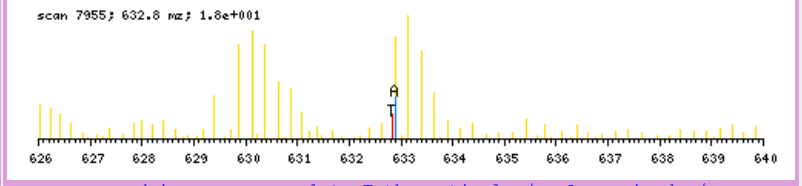
N-term:+29.04

SNPGESSFDLADRLDPVEKIDR, MH+ 2528.3269, m/z 632.8372
H_OS_G34_P160811_220811-s1.07957.07957.4.dta

X-range: 0 - 0
MassTol: **Y-zoom:** 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



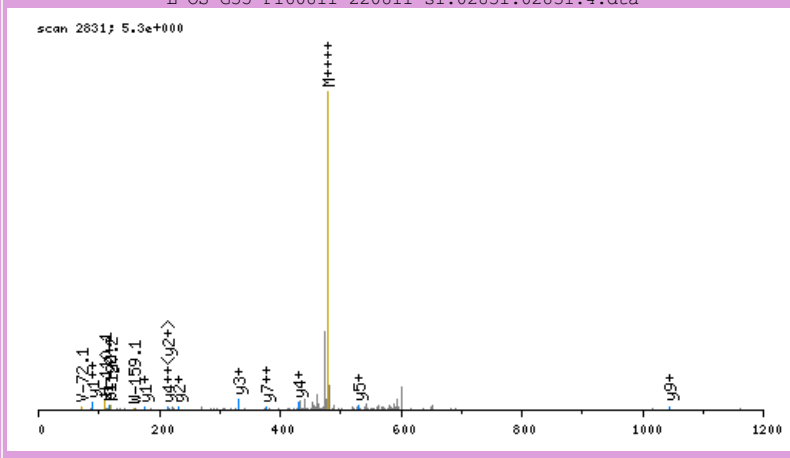
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	22		
236.1459	2	N	21	2407.2318	1204.1198
333.1986	3	P	20	2293.1889	1147.0983
390.2201	4	G	19	2196.1361	**1098.5720**
519.2627	5	E	18	2139.1146	**1070.0612**
606.2947	6	S	17	2010.0720	**1005.5399**
693.3267	7	S	16	1923.0400	**962.0239**
840.3951	8	F	15	1836.0080	**918.5079**
955.4221	9	D	14	1688.9396	**844.9737**
1068.5062	10	L	13	1573.9126	**787.4602**
1139.5433	11	A	12	1460.8286	730.9182
1254.5702	12	D	11	1389.7914	695.3996
1410.6713	13	R	10	1274.7645	**637.8862**
1523.7554	14	L	9	1118.6634	559.8356
1638.7823	15	D	8	**1005.5793**	503.2936
1735.8351	16	P	7	**890.5524**	**445.7801**
1834.9035	17	V	6	793.4996	397.2537
1963.9461	18	E	5	694.4312	347.7195
2126.1042	19	K	4	**565.3886**	**283.1982**
2239.1883	20	I	3	403.2305	202.1192
2354.2152	21	D	2	290.1464	145.5771
	22	R	1	**175.1195**	88.0637

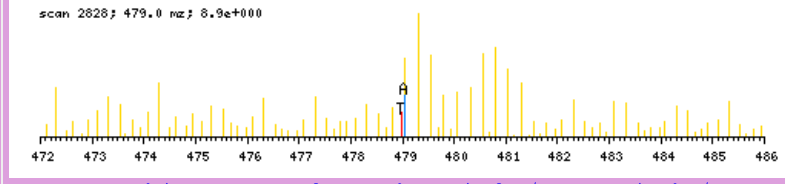
N-term:+35.07 K(19):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNQERPQYEHSVVVGR, MH+ 1912.9629, m/z 478.9962
L OS G35 P160811 220811-s1.02831.02831.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



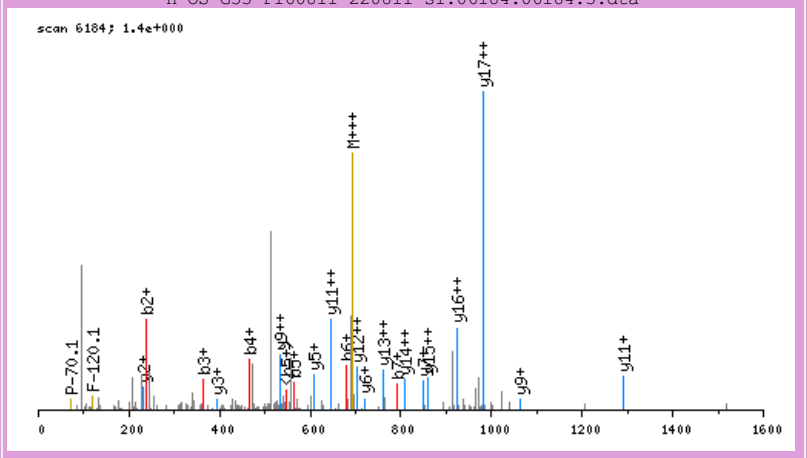
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
230.1141	2	N	15	1797.8996	899.4537
358.1726	3	Q	14	1683.8567	842.4323
487.2152	4	E	13	1555.7981	778.4030
643.3163	5	R	12	1426.7555	713.8817
740.3691	6	P	11	1270.6544	635.8311
868.4277	7	Q	10	1173.6016	587.3047
1031.4910	8	Y	9	1045.5431	523.2754
1160.5336	9	E	8	882.4797	441.7438
1297.5925	10	H	7	753.4371	377.2225
1384.6245	11	S	6	616.3782	308.6930
1483.6930	12	V	5	529.3462	265.1770
1582.7614	13	V	4	430.2778	215.6428
1681.8298	14	V	3	331.2094	166.1086
1738.8512	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

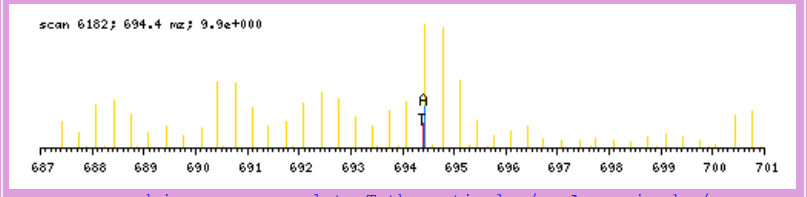
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNQTVDIPENVEITLKGR, MH+ 2081.1879, m/z 694.4008
H OS G33 P160811 220811-s1.06184.06184.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



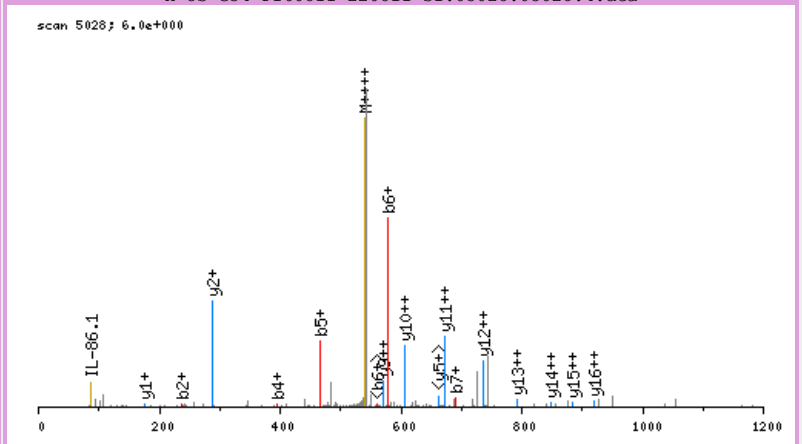
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	18		
236.1459	2	N	17	1960.0928	980.5503
364.2044	3	Q	16	1846.0498	923.5288
465.2521	4	T	15	1717.9913	859.4995
564.3205	5	V	14	1616.9436	808.9757
679.3475	6	D	13	1517.8752	759.4415
792.4315	7	I	12	1402.8482	701.9280
889.4843	8	P	11	1289.7642	645.3860
1018.5269	9	E	10	1192.7114	596.8596
1132.5698	10	N	9	1063.6688	532.3383
1231.6382	11	V	8	949.6259	475.3169
1360.6808	12	E	7	850.5575	425.7826
1473.7649	13	I	6	721.5149	361.2613
1574.8126	14	T	5	608.4308	304.7193
1687.8966	15	L	4	507.3831	254.1955
1850.0547	16	K	3	394.2991	197.6534
1907.0762	17	G	2	232.1410	116.5744
	18	R	1	175.1195	88.0637

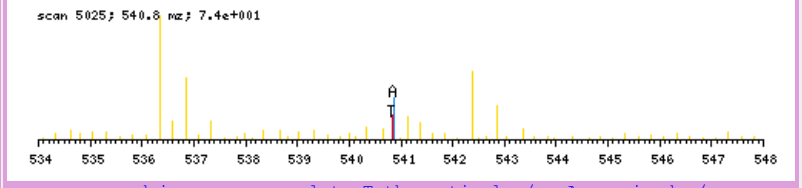
N-term:+35.07 K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNSAALIQQATTVKNKDIR, MH+ 2160.3201, m/z 540.8355
H OS G34 P160811 220811-s1.05028.05028.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



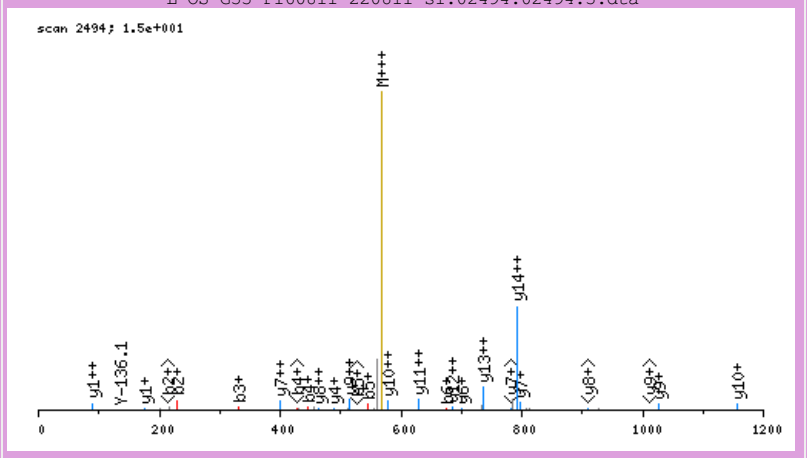
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
236.1459	2	N	18	2039.2250	1020.1164
323.1779	3	S	17	1925.1821	963.0949
394.2150	4	A	16	1838.1500	919.5789
465.2521	5	A	15	1767.1129	884.0604
578.3362	6	L	14	1696.0758	848.5418
691.4202	7	I	13	1582.9917	791.9998
819.4788	8	Q	12	1469.9077	735.4578
947.5374	9	Q	11	1341.8491	671.4285
1018.5745	10	A	10	1213.7905	607.3992
1119.6222	11	T	9	1142.7534	571.8806
1220.6699	12	T	8	1041.7057	521.3568
1319.7383	13	V	7	940.6580	470.8329
1481.8964	14	K	6	841.5896	421.2987
1595.9393	15	N	5	679.4315	340.2197
1758.0974	16	K	4	565.3886	283.1982
1873.1244	17	D	3	403.2305	202.1192
1986.2084	18	I	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

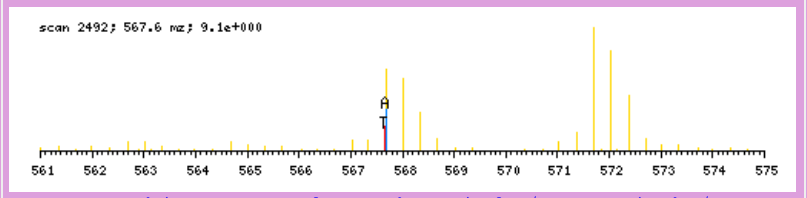
N-term:+35.07 K(14):+162.16
K(16):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNTDVETQPGKTVIR, MH+ 1700.9183, m/z 567.6443
L OS G33 P160811 220811-s1.02494.02494.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
230.1141	2	N	14	1585.8550	793.4314
331.1617	3	T	13	1471.8121	736.4099
446.1887	4	D	12	1370.7644	685.8861
545.2571	5	V	11	1255.7374	628.3726
674.2997	6	E	10	1156.6690	578.8384
775.3474	7	T	9	1027.6264	514.3171
903.4059	8	Q	8	926.5788	463.7933
1000.4587	9	P	7	798.5202	399.7640
1057.4802	10	G	6	701.4674	351.2376
1213.6065	11	K	5	644.4460	322.7269
1314.6541	12	T	4	488.3197	244.6637
1413.7226	13	V	3	387.2720	194.1399
1526.8066	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

N-term:+29.04 K(11):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

z [+] [2+] [3+]

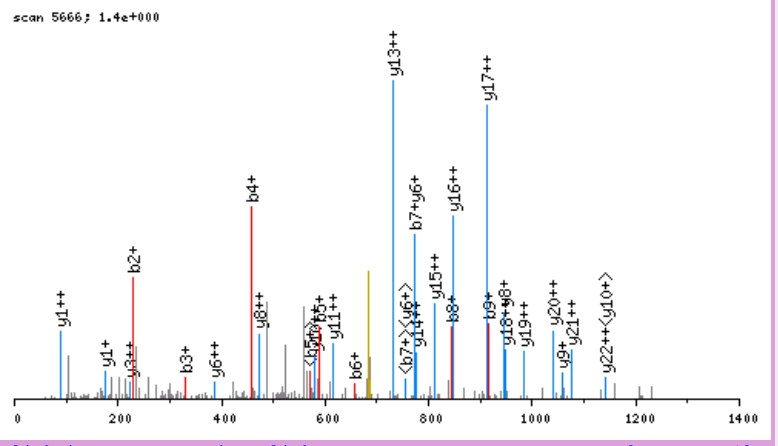
hide H_2O/NH_3

zoom 112-122

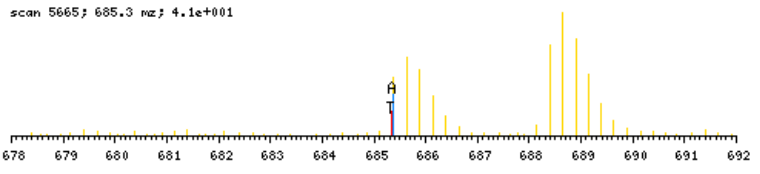
GO

SNVEEADAAMAASPHAVDGNTVELKR, MH+ 2738.3419, m/z 685.3409

L OS G34 P160811 220811-s1.05666.05666.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



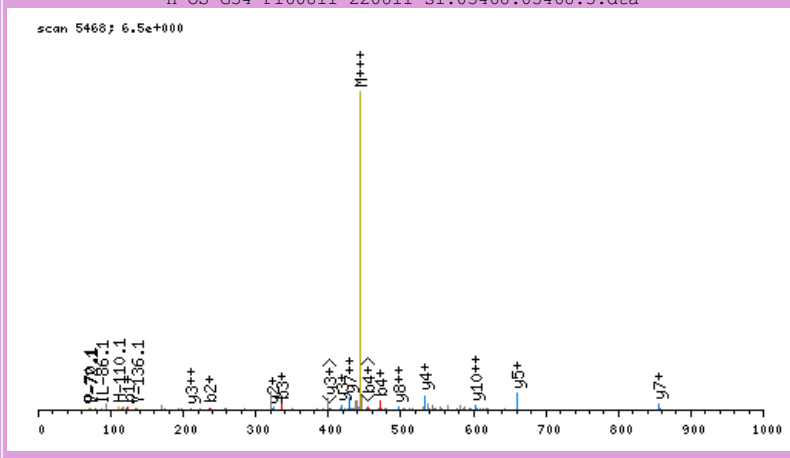
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	26		
230.1141	2	N	25	2623.2786	1312.1432
329.1825	3	V	24	2509.2357	1255.1218
458.2251	4	E	23	2410.1673	1205.5876
587.2677	5	E	22	2281.1247	1141.0663
658.3048	6	A	21	2152.0821	1076.5450
773.3317	7	D	20	2081.0450	1041.0264
844.3688	8	A	19	1966.0181	983.5129
915.4059	9	A	18	1894.9809	947.9944
1046.4464	10	M	17	1823.9438	912.4758
1117.4835	11	A	16	1692.9033	846.9556
1188.5207	12	A	15	1621.8662	811.4370
1275.5527	13	S	14	1550.8291	775.9185
1372.6054	14	P	13	1463.7971	732.4025
1509.6644	15	H	12	1366.7443	683.8761
1580.7015	16	A	11	1229.6854	615.3466
1679.7699	17	V	10	1158.6483	579.8281
1794.7968	18	D	9	1059.5799	530.2939
1851.8183	19	G	8	944.5529	472.7804
1965.8612	20	N	7	887.5315	444.2697
2066.9089	21	T	6	773.4886	387.2482
2165.9773	22	V	5	672.4409	336.7243
2295.0199	23	E	4	573.3725	287.1901
2408.1040	24	L	3	444.3299	222.6688
2564.2303	25	K	2	331.2458	166.1268
	26	R	1	175.1195	88.0637

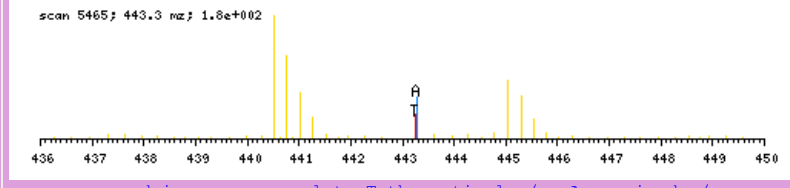
N-term:+29.04 K(25):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SNVHPVQLPFR, MH+ 1327.7699, m/z 443.2615
H_OS_G34_P160811_220811-s1.05468.05468.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



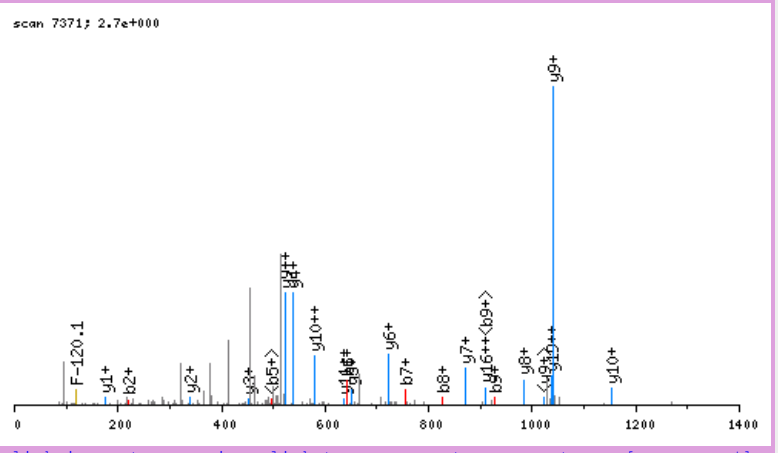
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
236.1459	2	N	10	1206.6748	603.8413
335.2143	3	V	9	1092.6318	546.8198
472.2732	4	H	8	993.5634	497.2856
569.3259	5	P	7	856.5045	428.7562
668.3944	6	V	6	759.4517	380.2298
796.4529	7	Q	5	660.3833	330.6956
909.5370	8	L	4	532.3247	266.6663
1006.5898	9	P	3	419.2407	210.1243
1153.6582	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

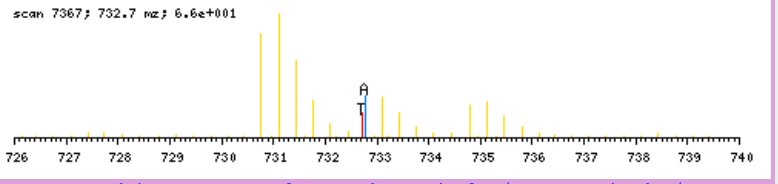
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SPASHEIATNLGDFAISLYR, MH+ 2196.1513, m/z 732.7219
H OS G33 P160811 220811-s1.07371.07371.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



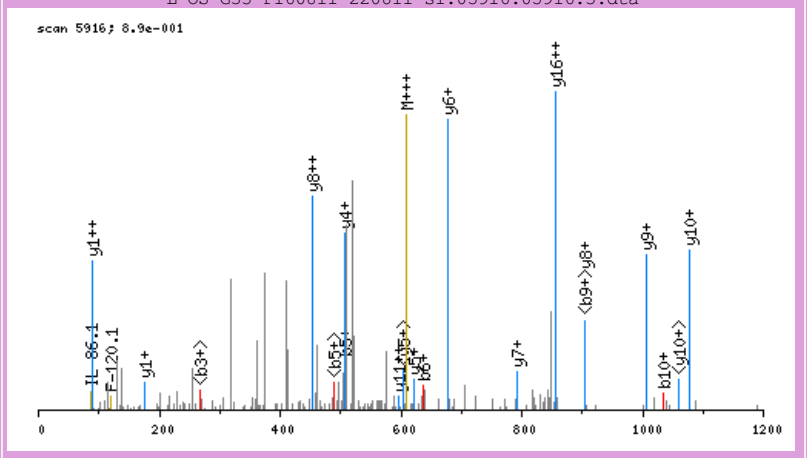
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
219.1557	2	P	19	2075.0562	**1038.0320**
290.1928	3	A	18	1978.0034	989.5056
377.2248	4	S	17	1906.9663	953.9871
514.2837	5	H	16	1819.9343	**910.4710**
643.3263	6	E	15	1682.8754	841.9416
756.4104	7	I	14	1553.8328	777.4203
827.4475	8	A	13	1440.7487	720.8783
928.4952	9	T	12	1369.7116	685.3597
1042.5381	10	N	11	1268.6639	**634.8359**
1155.6222	11	L	10	**1154.6210**	**577.8144**
1212.6437	12	G	9	**1041.5369**	**521.2724**
1327.6706	13	D	8	**984.5155**	492.7616
1474.7390	14	F	7	**869.4885**	435.2482
1545.7761	15	A	6	**722.4201**	361.7140
1658.8602	16	I	5	**651.3830**	326.1954
1745.8922	17	S	4	**538.2989**	269.6534
1858.9763	18	L	3	**451.2669**	226.1374
2022.0396	19	Y	2	**338.1828**	169.5953
	20	R	1	**175.1195**	88.0637

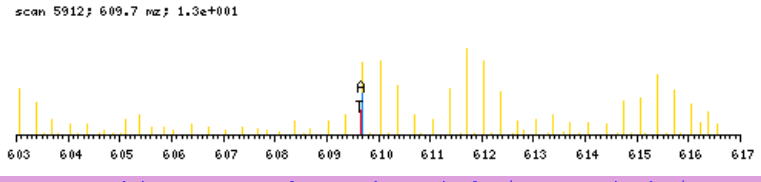
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPASHEIATNLGDFALR, MH+ 1826.9401, m/z 609.6515
L OS G33 P160811 220811-s1.05916.05916.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



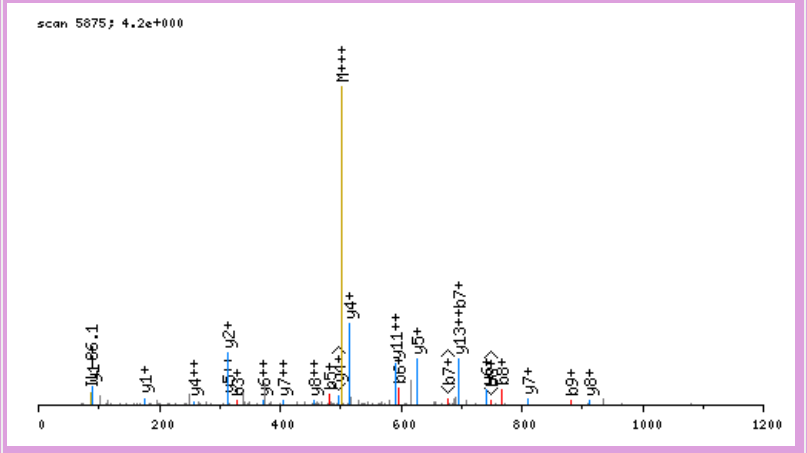
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
213.1239	2	P	16	1711.8768	**856.4423**
284.1610	3	A	15	1614.8240	807.9159
371.1930	4	S	14	1543.7869	772.3974
508.2519	5	H	13	1456.7549	728.8813
637.2945	6	E	12	1319.6959	660.3519
750.3786	7	I	11	1190.6533	**595.8306**
821.4157	8	A	10	**1077.5693**	539.2886
922.4634	9	T	9	**1006.5322**	503.7700
1036.5063	10	N	8	**905.4845**	**453.2462**
1149.5904	11	L	7	**791.4416**	396.2247
1206.6119	12	G	6	**678.3575**	339.6827
1321.6388	13	D	5	**621.3360**	311.1719
1468.7072	14	F	4	**506.3091**	253.6585
1539.7443	15	A	3	359.2407	180.1243
1652.8284	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	**88.0637**

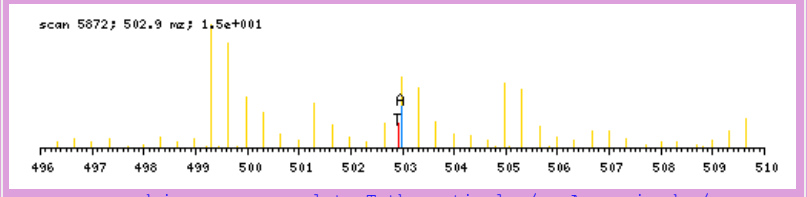
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPDPGLTALLSDHR, MH+ 1506.7916, m/z 502.9354
L OS G33 P160811 220811-s1.05875.05875.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



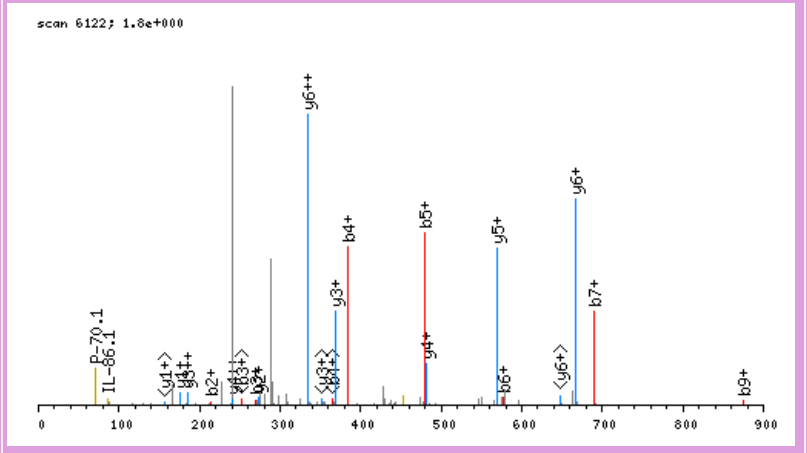
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
213.1239	2	P	13	1391.7283	**696.3681**
328.1508	3	D	12	1294.6755	647.8417
425.2036	4	P	11	1179.6486	**590.3282**
482.2251	5	G	10	1082.5958	541.8018
595.3091	6	L	9	1025.5744	513.2911
696.3568	7	T	8	**912.4903**	**456.7491**
767.3939	8	A	7	**811.4426**	**406.2252**
880.4780	9	L	6	**740.4055**	**370.7067**
993.5620	10	L	5	**627.3214**	**314.1646**
1080.5941	11	S	4	**514.2374**	**257.6226**
1195.6210	12	D	3	427.2054	214.1066
1332.6799	13	H	2	**312.1784**	156.5931
	14	R	1	**175.1195**	**88.0637**

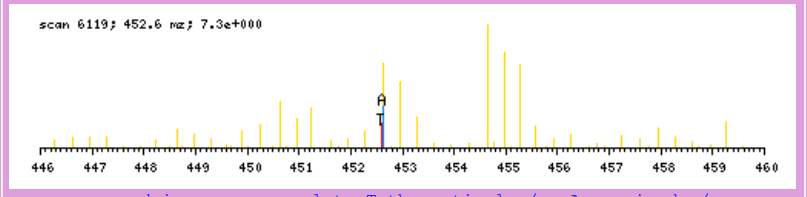
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPGLPPLPSLPPR, MH+ 1355.8051, m/z 452.6065
L OS G30 P160811 220811-s1.06122.06122.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
213.1239	2	P	12	1240.7418	620.8748
270.1454	3	G	11	1143.6890	572.3484
383.2294	4	L	10	1086.6675	543.8377
480.2822	5	P	9	973.5835	487.2957
577.3349	6	P	8	876.5307	438.7693
690.4190	7	L	7	779.4779	390.2429
787.4718	8	P	6	666.3939	333.7009
874.5038	9	S	5	569.3411	285.1745
987.5879	10	L	4	482.3091	241.6585
1084.6406	11	P	3	369.2250	185.1164
1181.6934	12	P	2	272.1723	136.5900
	13	R	1	175.1195	88.0637

N-term:+29.04

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: ○AVG ◉MONO

Axis: ◉1 ○2

Label: ◉I ○M ○-

Ions:

a [ ]+ [ ]2+ [ ]3+

b [x]+ [ ]2+ [ ]3+

c [ ]+ [ ]2+ [ ]3+

x [ ]+ [ ]2+ [ ]3+

y [x]+ [x]2+ [ ]3+

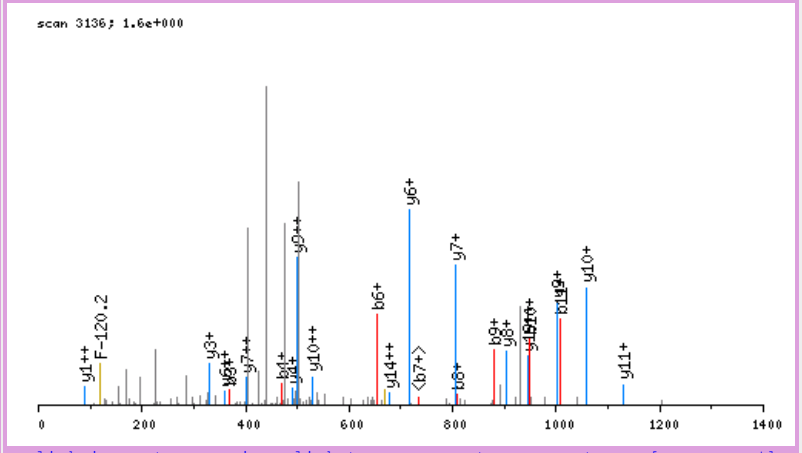
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

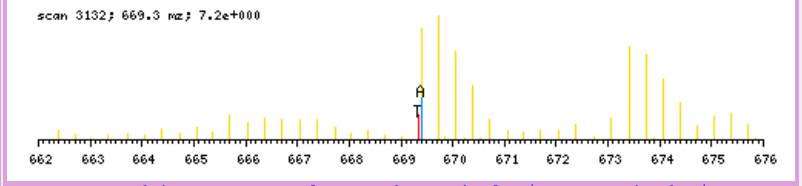
zoom 112-122 [ ]

GO

SPKVGQPGAAGPVSPMCPGR, MH+ 2006.0315, m/z 669.3487
L OS G33 P160811 220811-s1.03136.03136.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



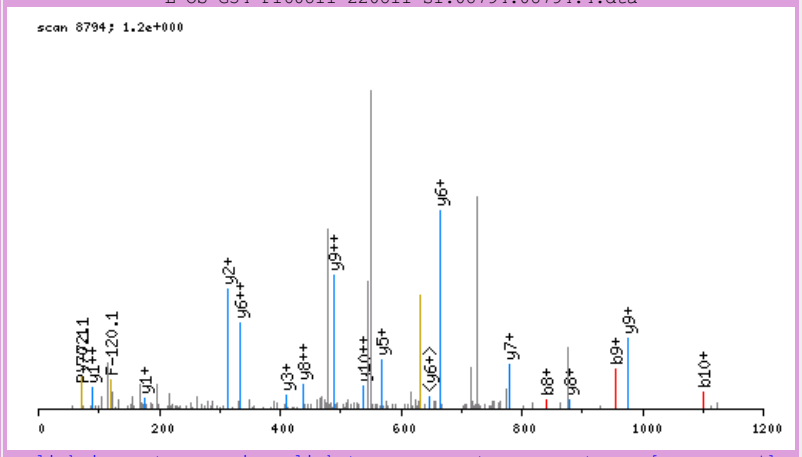
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
213.1239	2	P	19	1890.9682	**945.9880**
369.2502	3	K	18	1793.9155	897.4616
468.3186	4	V	17	1637.7892	819.3985
525.3401	5	G	16	1538.7207	769.8643
653.3986	6	Q	15	1481.6993	741.3536
750.4514	7	P	14	1353.6407	**677.3243**
807.4729	8	G	13	1256.5879	628.7979
878.5100	9	A	12	1199.5665	600.2871
949.5471	10	A	11	**1128.5294**	564.7686
1006.5686	11	G	10	**1057.4922**	**529.2500**
1103.6213	12	P	9	**1000.4708**	**500.7393**
1202.6897	13	V	8	**903.4180**	452.2129
1289.7218	14	S	7	**804.3496**	**402.6787**
1386.7745	15	P	6	**717.3176**	**359.1627**
1517.8150	16	M	5	620.2648	310.6363
1677.8456	17	C	4	**489.2243**	245.1161
1774.8984	18	P	3	**329.1937**	165.1008
1831.9198	19	G	2	232.1410	116.5744
	20	R	1	175.1195	**88.0637**

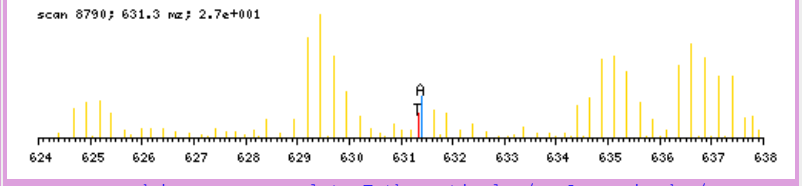
N-term:+29.04 K(3):+156.13
C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPNKGVLSDFMTDVPVDPGVVHR, MH+ 2522.3077, m/z 631.3324
L OS G34 P160811 220811-s1.08794.08794.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



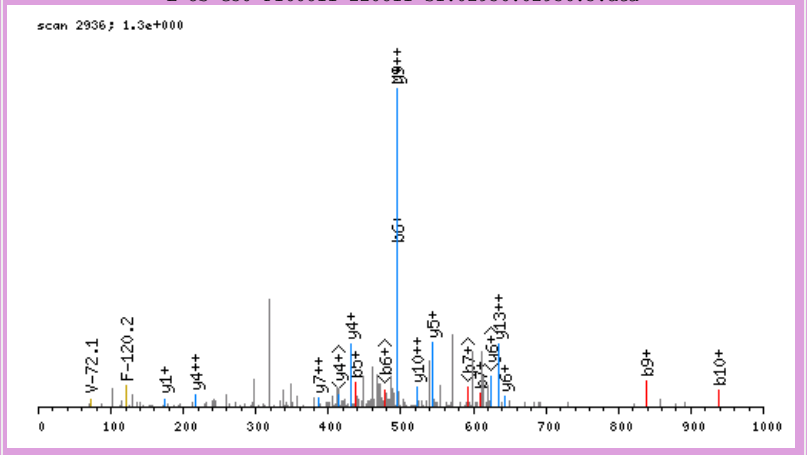
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
213.1239	2	P	22	2407.2444	1204.1261
327.1668	3	N	21	2310.1917	1155.5997
483.2931	4	K	20	2196.1487	1098.5783
540.3146	5	G	19	2040.0224	1020.5151
639.3830	6	V	18	1983.0010	992.0044
752.4671	7	L	17	1883.9326	942.4702
839.4991	8	S	16	1770.8485	885.9282
954.5260	9	D	15	1683.8165	842.4121
1101.5944	10	F	14	1568.7895	784.8987
1232.6349	11	M	13	1421.7211	711.3645
1333.6826	12	T	12	1290.6806	645.8442
1448.7096	13	D	11	1189.6329	595.3204
1547.7780	14	V	10	1074.6060	**537.8069**
1644.8307	15	P	9	**975.5376**	**488.2727**
1743.8991	16	V	8	**878.4848**	**439.7463**
1858.9261	17	D	7	**779.4164**	390.2121
1955.9789	18	P	6	**664.3895**	**332.6986**
2013.0003	19	G	5	**567.3367**	284.1723
2112.0687	20	V	4	510.3152	255.6615
2211.1371	21	V	3	**411.2468**	206.1273
2348.1961	22	H	2	**312.1784**	156.5931
	23	R	1	**175.1195**	**88.0637**

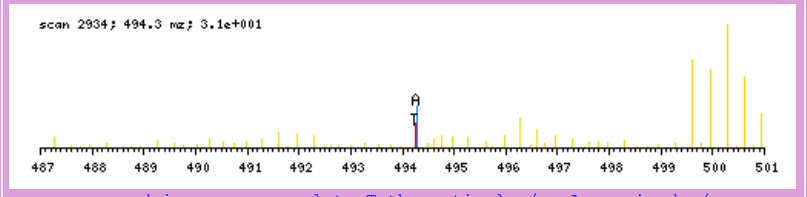
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPPGAGDTQVLPASR, MH+ 1480.7760, m/z 494.2635
L OS G30 P160811 220811-s1.02936.02936.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



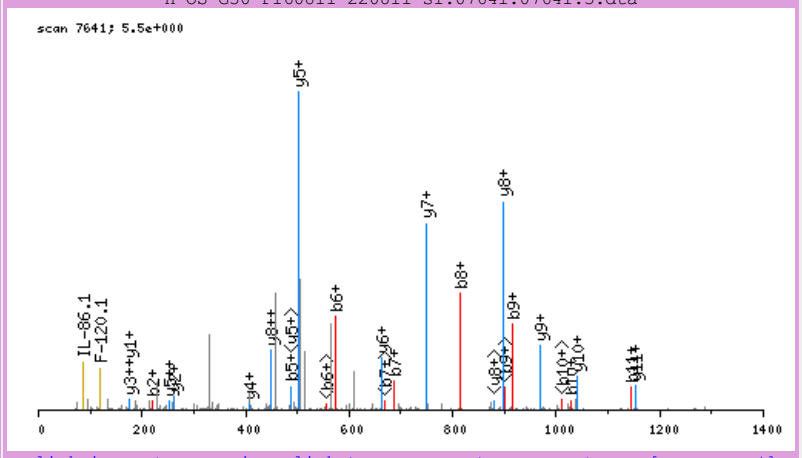
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
213.1239	2	P	14	1365.7127	683.3602
310.1767	3	P	13	1268.6599	**634.8339**
367.1981	4	G	12	1171.6071	586.3075
438.2352	5	A	11	1114.5857	557.7967
495.2567	6	G	10	1043.5485	**522.2782**
610.2836	7	D	9	986.5271	**493.7675**
711.3313	8	T	8	871.5001	436.2540
839.3899	9	Q	7	770.4525	**385.7301**
938.4583	10	V	6	**642.3939**	321.7009
1051.5424	11	L	5	**543.3255**	272.1666
1148.5951	12	P	4	**430.2414**	**215.6246**
1219.6323	13	A	3	333.1886	167.0982
1306.6643	14	S	2	262.1515	131.5797
	15	R	1	**175.1195**	88.0637

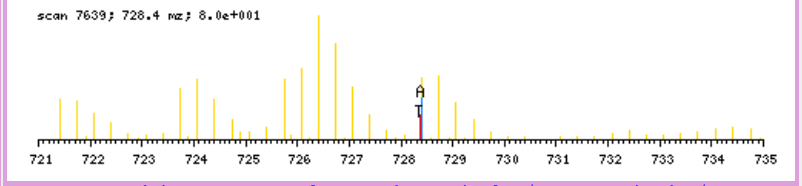
N-term:+29.04

SPPGISLETIDAAFSCPGSSR, MH+ 2183.0866, m/z 728.3670
H OS G30 P160811 220811-s1.07641.07641.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



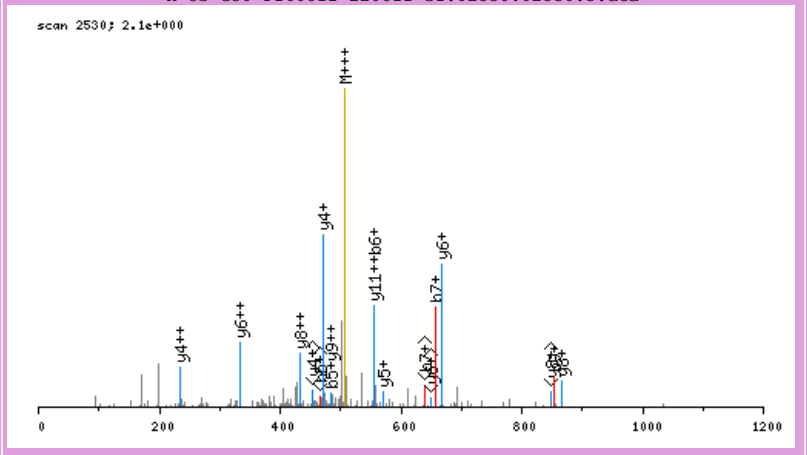
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
219.1557	2	P	20	2061.9915	1031.4997
316.2085	3	P	19	1964.9387	982.9733
373.2299	4	G	18	1867.8860	934.4469
486.3140	5	I	17	1810.8645	905.9362
573.3460	6	S	16	1697.7804	849.3941
686.4301	7	L	15	1610.7484	805.8781
815.4727	8	E	14	1497.6643	749.3361
916.5203	9	T	13	1368.6217	684.8148
1029.6044	10	I	12	1267.5741	634.2909
1144.6314	11	D	11	**1154.4900**	577.7489
1215.6685	12	A	10	**1039.4631**	520.2354
1286.7056	13	A	9	**968.4259**	484.7169
1433.7740	14	F	8	**897.3888**	**449.1983**
1520.8060	15	S	7	**750.3204**	375.6641
1680.8366	16	C	6	**663.2884**	332.1481
1777.8894	17	P	5	**503.2578**	**252.1328**
1834.9109	18	G	4	**406.2050**	203.6064
1921.9429	19	S	3	349.1836	**175.0957**
2008.9749	20	S	2	**262.1515**	131.5797
	21	R	1	**175.1195**	88.0637

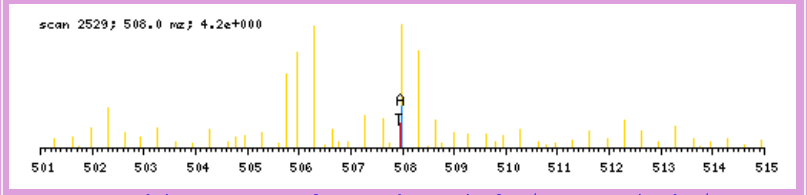
N-term:+35.07 C(16):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPPPAATPTPTPPTR, MH+ 1521.8489, m/z 507.9545
H OS G30 P160811 220811-s1.02530.02530.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



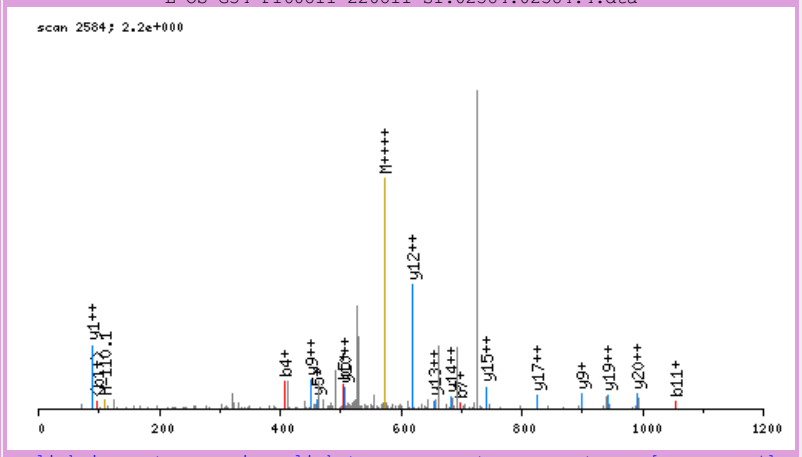
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
219.1557	2	P	14	1400.7538	700.8808
316.2085	3	P	13	1303.7010	652.3544
413.2612	4	P	12	1206.6483	603.8280
484.2983	5	A	11	1109.5955	**555.3017**
555.3354	6	A	10	1038.5584	519.7831
656.3831	7	T	9	967.5213	**484.2645**
753.4359	8	P	8	**866.4736**	**433.7407**
854.4836	9	T	7	769.4208	385.2143
951.5363	10	P	6	**668.3731**	**334.6905**
1052.5840	11	T	5	**571.3204**	286.1641
1149.6368	12	P	4	**470.2727**	**235.6403**
1246.6895	13	P	3	373.2199	187.1139
1347.7372	14	T	2	276.1672	138.5875
	15	R	1	175.1195	88.0637

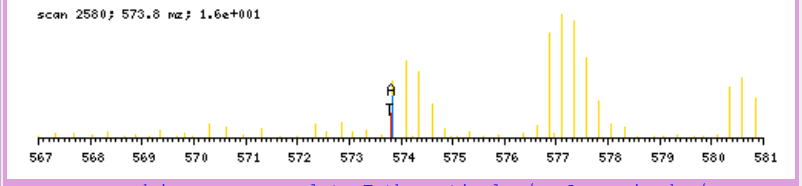
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPPPPHGDLGAPQNPNAKAAGSR, MH+ 2292.1849, m/z 573.8017
L OS G34 P160811 220811-s1.02584.02584.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



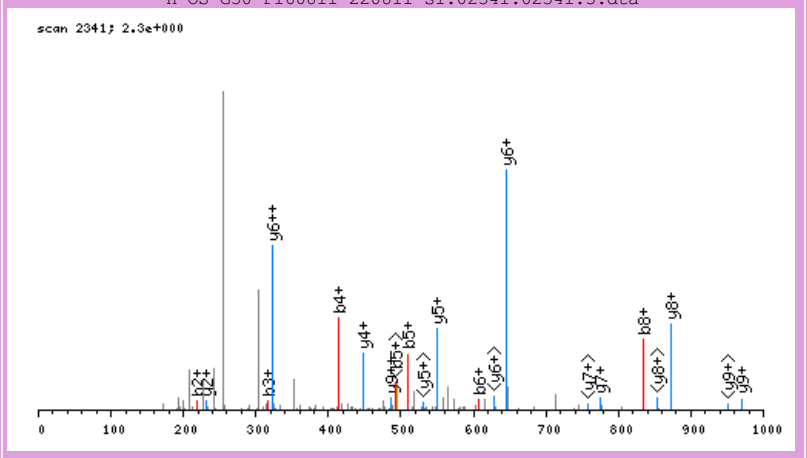
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
213.1239	2	P	22	2177.1216	1089.0647
310.1767	3	P	21	2080.0688	1040.5383
407.2294	4	P	20	1983.0161	**992.0120**
504.2822	5	P	19	1885.9633	**943.4856**
641.3411	6	H	18	1788.9106	894.9592
698.3626	7	G	17	1651.8516	**826.4297**
813.3895	8	D	16	1594.8302	797.9190
926.4736	9	L	15	1479.8032	**740.4055**
983.4950	10	G	14	1366.7192	**683.8635**
1054.5321	11	A	13	1309.6977	**655.3528**
1151.5849	12	P	12	1238.6606	**619.8342**
1279.6435	13	Q	11	1141.6078	571.3078
1393.6864	14	N	10	1013.5493	**507.2785**
1490.7392	15	P	9	**899.5063**	**450.2571**
1604.7821	16	N	8	802.4536	401.7307
1675.8192	17	A	7	688.4106	344.7092
1831.9455	18	K	6	617.3735	309.1907
1902.9826	19	A	5	**461.2472**	231.1275
1974.0197	20	A	4	390.2101	195.6090
2031.0412	21	G	3	319.1730	160.0904
2118.0732	22	S	2	262.1515	131.5797
	23	R	1	175.1195	**88.0637**

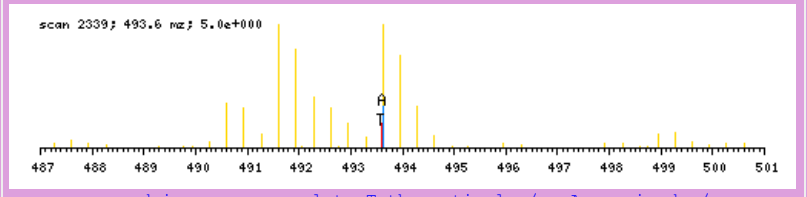
N-term:+29.04 K(18):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPPPPPPEPTSEGR, MH+ 1478.7703, m/z 493.5950
H OS G30 P160811 220811-s1.02341.02341.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



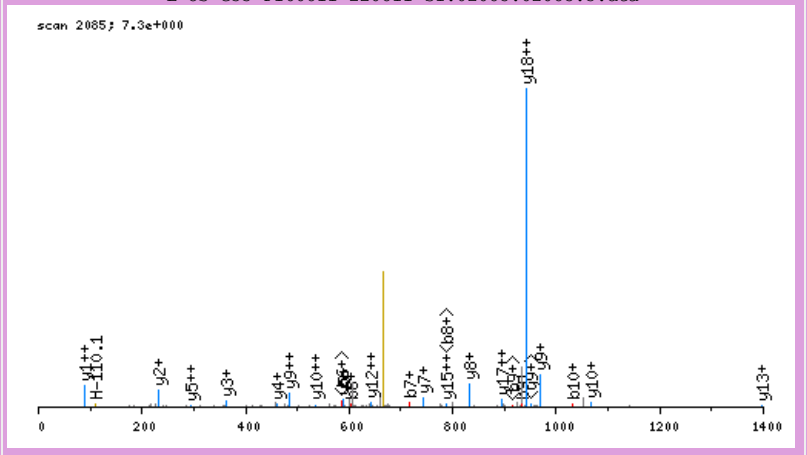
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
219.1557	2	P	13	1357.6752	679.3415
316.2085	3	P	12	1260.6224	630.8151
413.2612	4	P	11	1163.5697	582.2888
510.3140	5	P	10	1066.5169	533.7624
607.3667	6	P	9	**969.4641**	**485.2360**
704.4195	7	P	8	**872.4114**	436.7096
833.4621	8	E	7	**775.3586**	388.1832
930.5149	9	P	6	**646.3160**	**323.6619**
1031.5625	10	T	5	**549.2633**	275.1355
1118.5946	11	S	4	**448.2156**	224.6117
1247.6372	12	E	3	361.1836	181.0957
1304.6586	13	G	2	**232.1410**	116.5744
	14	R	1	175.1195	88.0637

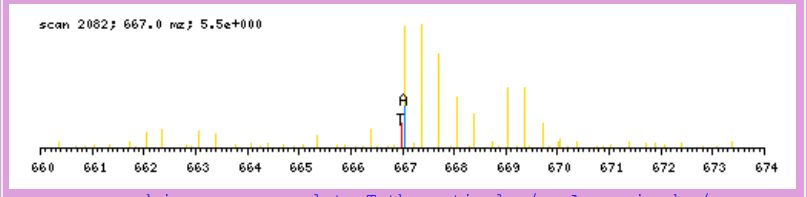
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPSQSSDSQVHSGVQVEGR, MH+ 1998.9481, m/z 666.9875
L OS G33 P160811 220811-s1.02085.02085.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



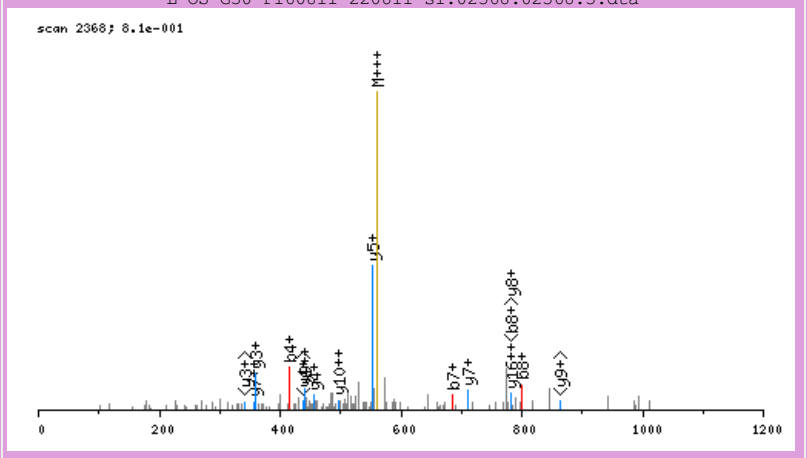
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
213.1239	2	P	18	1883.8848	**942.4463**
300.1559	3	S	17	1786.8320	**893.9199**
428.2145	4	Q	16	1699.8000	850.4039
515.2465	5	S	15	1571.7414	**786.3746**
602.2786	6	S	14	1484.7094	742.8586
717.3055	7	D	13	**1397.6773**	699.3426
804.3375	8	S	12	1282.6504	**641.8291**
932.3961	9	Q	11	1195.6184	598.3131
1031.4645	10	V	10	**1067.5598**	**534.2838**
1168.5234	11	H	9	**968.4914**	**484.7496**
1255.5555	12	S	8	**831.4325**	416.2201
1312.5769	13	G	7	**744.4004**	372.7041
1411.6453	14	V	6	687.3790	344.1934
1539.7039	15	Q	5	**588.3105**	**294.6592**
1638.7723	16	V	4	**460.2520**	230.6299
1767.8149	17	E	3	**361.1836**	181.0957
1824.8364	18	G	2	**232.1410**	116.5744
	19	R	1	175.1195	**88.0637**

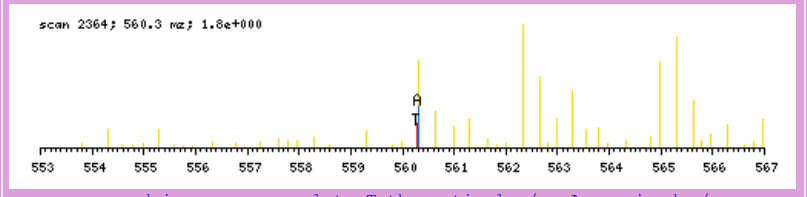
N-term:+29.04

SPTTPSSNPAGTPPSPR, MH+ 1678.8400, m/z 560.2849
L OS G30 P160811 220811-s1.02368.02368.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



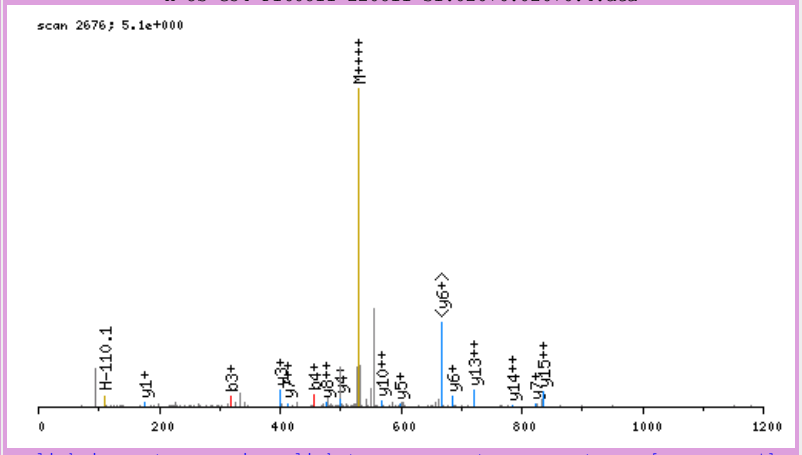
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
213.1239	2	P	16	1563.7767	**782.3923**
314.1716	3	T	15	1466.7239	733.8659
415.2192	4	T	14	1365.6763	683.3420
512.2720	5	P	13	1264.6286	632.8182
599.3040	6	S	12	1167.5758	584.2918
686.3361	7	S	11	1080.5438	540.7758
800.3790	8	N	10	993.5118	**497.2598**
897.4318	9	P	9	879.4688	**440.2383**
968.4689	10	A	8	**782.4161**	391.7120
1025.4903	11	G	7	**711.3790**	**356.1934**
1126.5380	12	T	6	654.3575	327.6827
1223.5908	13	P	5	**553.3098**	277.1588
1320.6435	14	P	4	**456.2571**	228.6324
1407.6756	15	S	3	**359.2043**	180.1061
1504.7283	16	P	2	272.1723	136.5900
	17	R	1	175.1195	88.0637

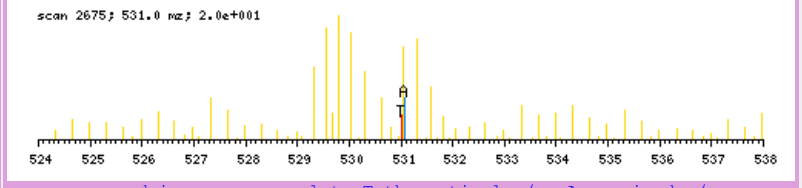
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SPVHPESSEGEEHSVVPQR, MH+ 2121.0425, m/z 531.0161
H OS G34 P160811 220811-s1.02676.02676.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



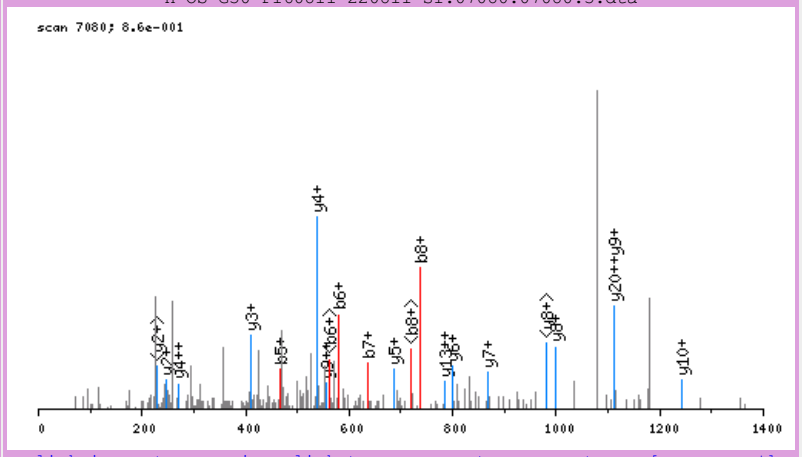
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
219.1557	2	P	18	1999.9474	1000.4776
318.2241	3	V	17	1902.8946	951.9512
455.2830	4	H	16	1803.8262	902.4170
552.3358	5	P	15	1666.7673	**833.8875**
681.3784	6	E	14	1569.7145	**785.3612**
768.4104	7	S	13	1440.6719	**720.8399**
855.4424	8	S	12	1353.6399	677.3239
984.4850	9	E	11	1266.6079	633.8078
1041.5065	10	G	10	1137.5653	**569.2865**
1170.5491	11	E	9	1080.5438	540.7758
1299.5917	12	E	8	951.5012	**476.2545**
1436.6506	13	H	7	**822.4586**	**411.7332**
1523.6826	14	S	6	**685.3997**	343.2038
1622.7510	15	V	5	**598.3677**	299.6877
1721.8194	16	V	4	**499.2993**	250.1535
1818.8722	17	P	3	**400.2308**	200.6193
1946.9308	18	Q	2	303.1781	152.0930
	19	R	1	**175.1195**	88.0637

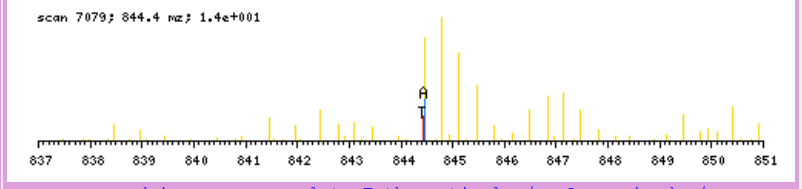
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SQGGTLGTPQSELENEALFEYAR, MH+ 2531.2478, m/z 844.4208
H OS G30 P160811 220811-s1.07080.07080.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



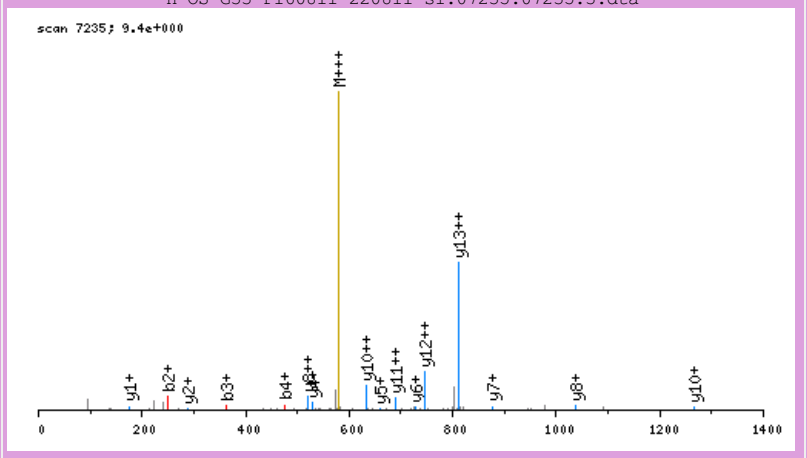
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	23		
250.1615	2	Q	22	2410.1527	1205.5802
307.1830	3	G	21	2282.0941	1141.5510
364.2044	4	G	20	2225.0726	**1113.0402**
465.2521	5	T	19	2168.0512	1084.5295
578.3362	6	L	18	2067.0035	1034.0057
635.3576	7	G	17	1953.9194	977.4636
736.4053	8	T	16	1896.8979	948.9529
833.4581	9	P	15	1795.8503	898.4290
961.5167	10	Q	14	1698.7975	849.9027
1048.5487	11	S	13	1570.7389	**785.8734**
1177.5913	12	E	12	1483.7069	742.3574
1290.6753	13	L	11	1354.6643	677.8361
1419.7179	14	E	10	**1241.5802**	621.2940
1533.7609	15	N	9	**1112.5376**	**556.7727**
1662.8035	16	E	8	**998.4947**	499.7513
1733.8406	17	A	7	**869.4521**	435.2300
1846.9246	18	L	6	**798.4150**	399.7114
1993.9931	19	F	5	**685.3310**	343.1694
2123.0356	20	E	4	**538.2625**	**269.6352**
2286.0990	21	Y	3	**409.2199**	205.1139
2357.1361	22	A	2	**246.1566**	123.5822
	23	R	1	175.1195	88.0637

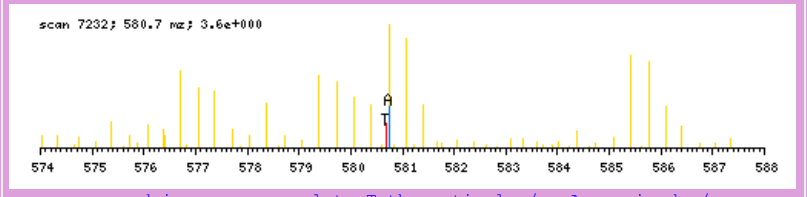
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SQLLPEKFAEQLIR, MH+ 1740.0696, m/z 580.6947
H OS G33 P160811 220811-s1.07235.07235.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



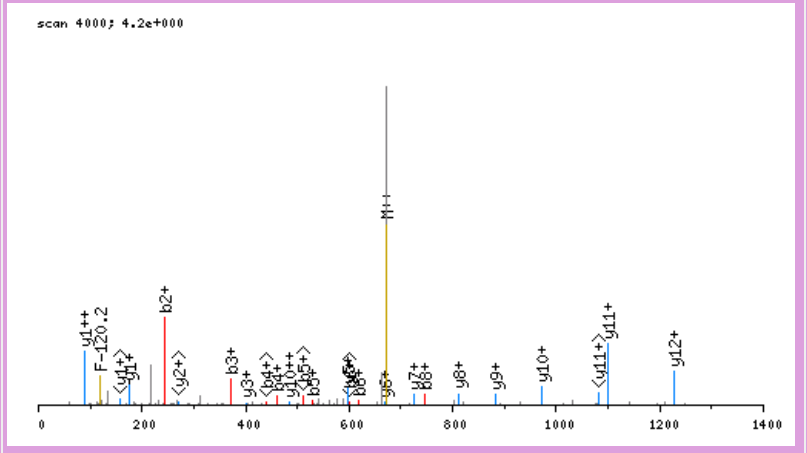
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
250.1615	2	Q	13	1618.9745	809.9912
363.2456	3	L	12	1490.9159	745.9619
476.3296	4	L	11	1377.8318	689.4198
573.3824	5	P	10	1264.7478	632.8778
702.4250	6	E	9	1167.6950	584.3514
864.5831	7	K	8	1038.6524	519.8301
1011.6515	8	F	7	876.4943	438.7511
1082.6886	9	A	6	729.4259	365.2169
1211.7312	10	E	5	658.3888	329.6983
1339.7898	11	Q	4	529.3462	265.1770
1452.8739	12	L	3	401.2876	201.1477
1565.9579	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

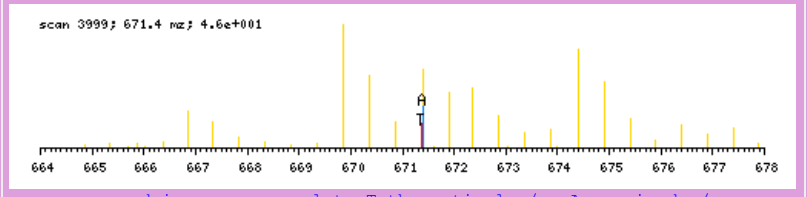
N-term:+35.07 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SQQSASGAPVLLR, MH+ 1341.7490, m/z 671.3781
L OS G31 P160811 220811-s1.04000.04000.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

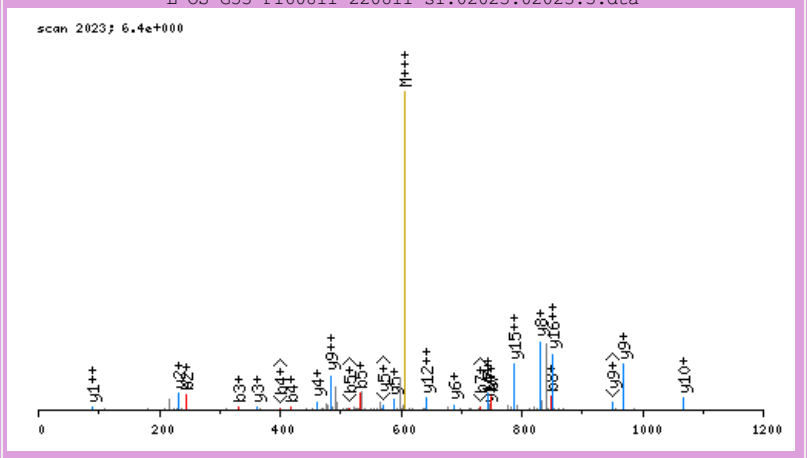


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

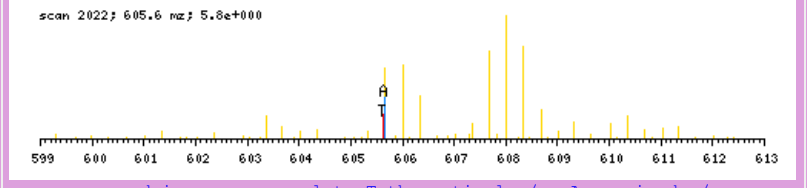
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
244.1297	2	Q	12	1226.6857	613.8468
372.1883	3	Q	11	1098.6271	549.8175
459.2203	4	S	10	970.5686	485.7882
530.2574	5	A	9	883.5365	442.2722
617.2895	6	S	8	812.4994	406.7536
674.3109	7	G	7	725.4674	363.2376
745.3480	8	A	6	668.4459	334.7269
842.4008	9	P	5	597.4088	299.2083
941.4692	10	V	4	500.3560	250.6819
1054.5533	11	L	3	401.2876	201.1477
1167.6373	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

N-term:+29.04

SQSSDSQVHSGVQVEGR, MH+ 1814.8633, m/z 605.6259
L OS G33 P160811 220811-s1.02023.02023.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

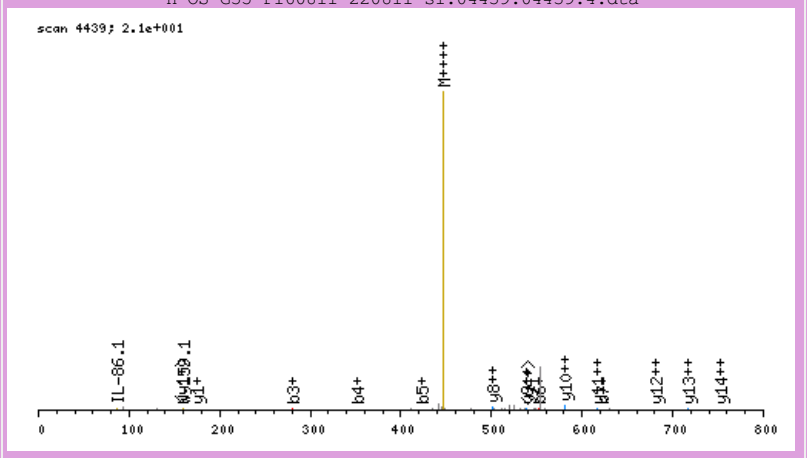
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
244.1297	2	Q	16	1699.8000	850.4039
331.1617	3	S	15	1571.7414	786.3746
418.1938	4	S	14	1484.7094	742.8586
533.2207	5	D	13	1397.6773	699.3426
620.2527	6	S	12	1282.6504	641.8291
748.3113	7	Q	11	1195.6184	598.3131
847.3797	8	V	10	1067.5598	534.2838
984.4386	9	H	9	968.4914	484.7496
1071.4707	10	S	8	831.4325	416.2201
1128.4921	11	G	7	744.4004	372.7041
1227.5605	12	V	6	687.3790	344.1934
1355.6191	13	Q	5	588.3105	294.6592
1454.6875	14	V	4	460.2520	230.6299
1583.7301	15	E	3	361.1836	181.0957
1640.7516	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

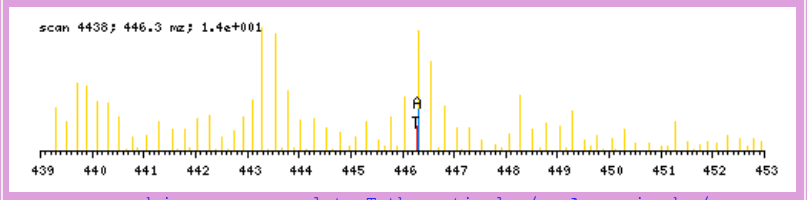
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSAAAEASAALKVRPER, MH+ 1782.0510, m/z 446.2682
H OS G35 P160811 220811-s1.04439.04439.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



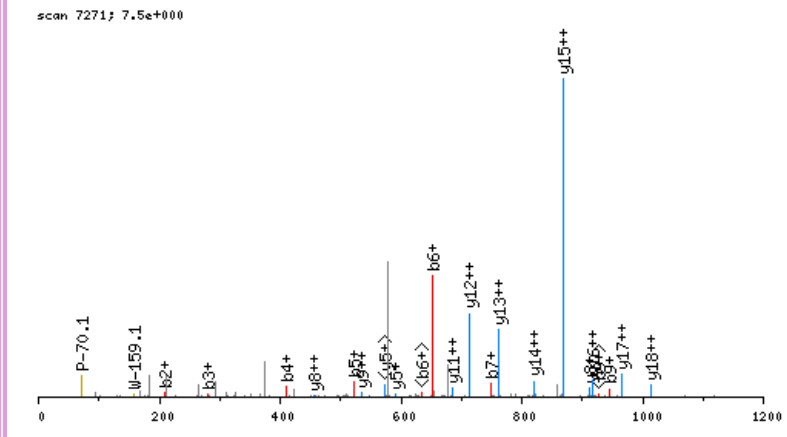
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
209.1350	2	S	16	1660.9559	830.9819
280.1721	3	A	15	1573.9239	787.4658
351.2092	4	A	14	1502.8867	751.9473
422.2463	5	A	13	1431.8496	716.4287
551.2889	6	E	12	1360.8125	680.9102
622.3260	7	A	11	1231.7699	616.3889
709.3580	8	S	10	1160.7328	580.8703
780.3951	9	A	9	1073.7008	537.3543
851.4323	10	A	8	1002.6637	501.8357
964.5163	11	L	7	931.6265	466.3172
1126.6744	12	K	6	818.5425	409.7752
1225.7428	13	V	5	656.3844	328.6961
1381.8440	14	R	4	557.3160	279.1619
1478.8967	15	P	3	401.2149	201.1113
1607.9393	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

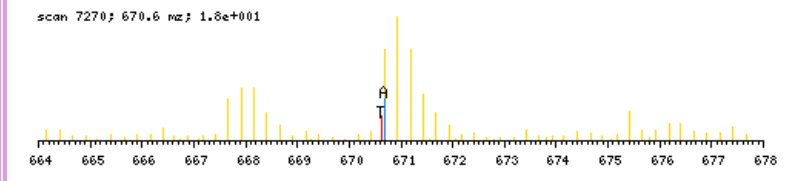
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSAENEPPVPLVGNWRPPQPVKGR, MH+ 2679.5007, m/z 670.6306
H OS G34 P160811 220811-s1.07271.07271.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



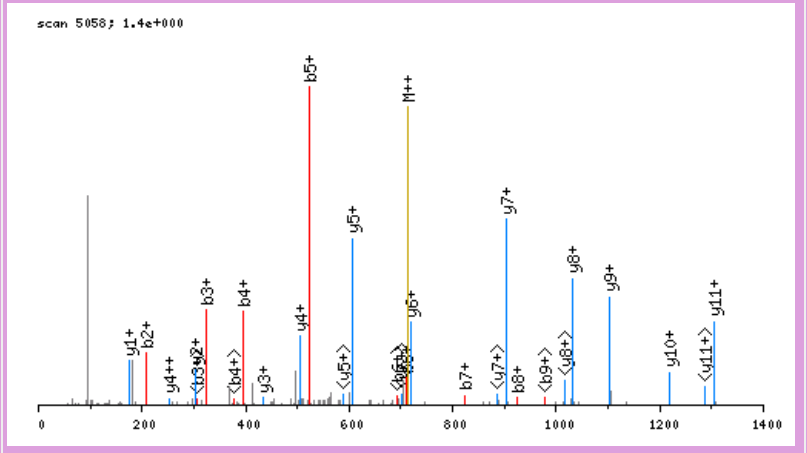
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	24		
209.1350	2	S	23	2558.4056	1279.7067
280.1721	3	A	22	2471.3736	1236.1907
409.2147	4	E	21	2400.3365	1200.6721
523.2576	5	N	20	2271.2939	1136.1508
652.3002	6	E	19	2157.2509	1079.1294
749.3529	7	P	18	2028.2083	**1014.6081**
846.4057	8	P	17	1931.1556	**966.0817**
945.4741	9	V	16	1834.1028	**917.5553**
1042.5269	10	P	15	1735.0344	**868.0211**
1155.6110	11	L	14	1637.9816	**819.4947**
1254.6794	12	V	13	1524.8976	**762.9527**
1311.7008	13	G	12	1425.8292	**713.4185**
1425.7438	14	N	11	1368.8077	**684.9078**
1611.8231	15	W	10	1254.7648	627.8863
1767.9242	16	R	9	1068.6855	**534.8466**
1864.9769	17	P	8	**912.5843**	**456.7961**
1962.0297	18	P	7	815.5316	408.2697
2090.0883	19	Q	6	718.4788	359.7433
2187.1411	20	P	5	**590.4202**	295.7140
2286.2095	21	V	4	493.3675	247.1877
2448.3676	22	K	3	394.2991	197.6534
2505.3890	23	G	2	232.1410	116.5744
	24	R	1	175.1195	88.0637

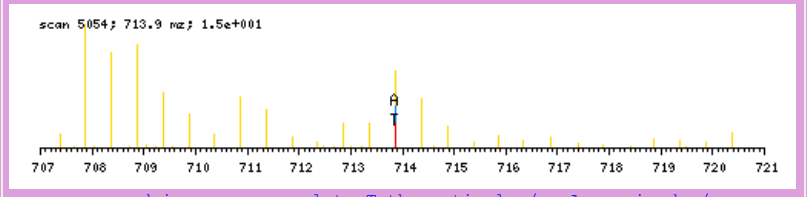
N-term:+35.07 K(22):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSDAQWLTAEER, MH+ 1426.7026, m/z 713.8549
H OS G31 P160811 220811-s1.05058.05058.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



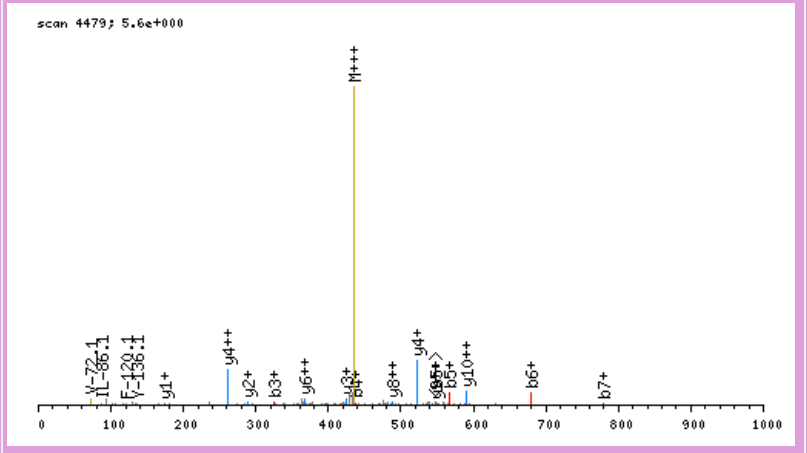
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
209.1350	2	S	11	1305.6075	653.3077
324.1619	3	D	10	1218.5755	609.7917
395.1990	4	A	9	1103.5485	552.2782
523.2576	5	Q	8	1032.5114	516.7596
709.3369	6	W	7	904.4529	452.7303
822.4210	7	L	6	718.3735	359.6907
923.4686	8	T	5	605.2895	303.1487
994.5058	9	A	4	504.2418	252.6248
1123.5484	10	E	3	433.2047	217.1063
1252.5909	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

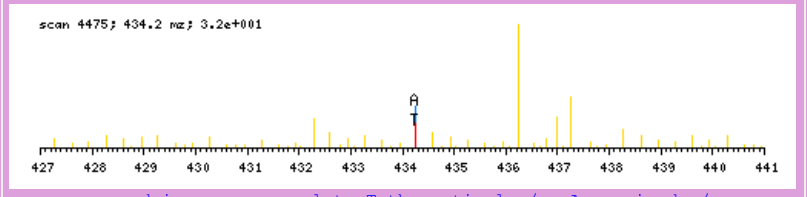
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSDLENVPHLR, MH+ 1300.7073, m/z 434.2406
H OS G34 P160811 220811-s1.04479.04479.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

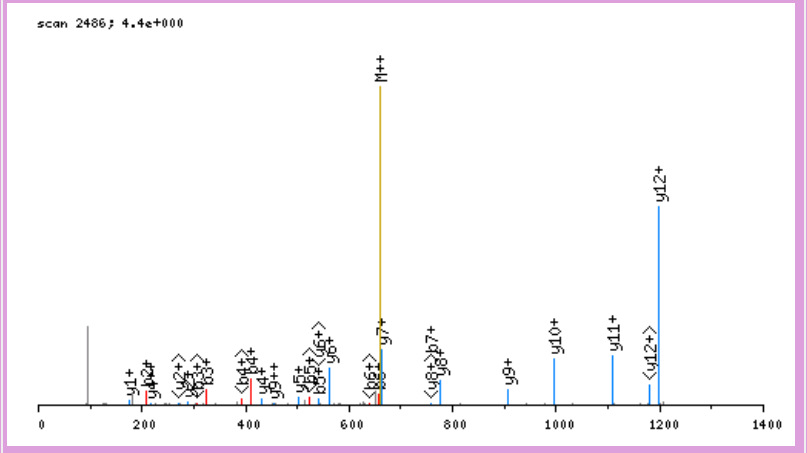


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

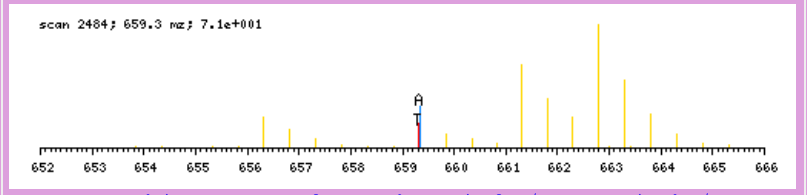
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
209.1350	2	S	10	1179.6122	590.3100
324.1619	3	D	9	1092.5802	546.7940
437.2460	4	L	8	977.5532	489.2805
566.2886	5	E	7	864.4692	432.7385
680.3315	6	N	6	735.4266	368.2172
779.3999	7	V	5	621.3837	311.1957
876.4527	8	P	4	522.3152	261.6615
1013.5116	9	H	3	425.2625	213.1352
1126.5956	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

N-term:+35.07

SSDSMDTGAGSIR, MH+ 1317.6168, m/z 659.3121
H OS G31 P160811 220811-s1.02486.02486.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

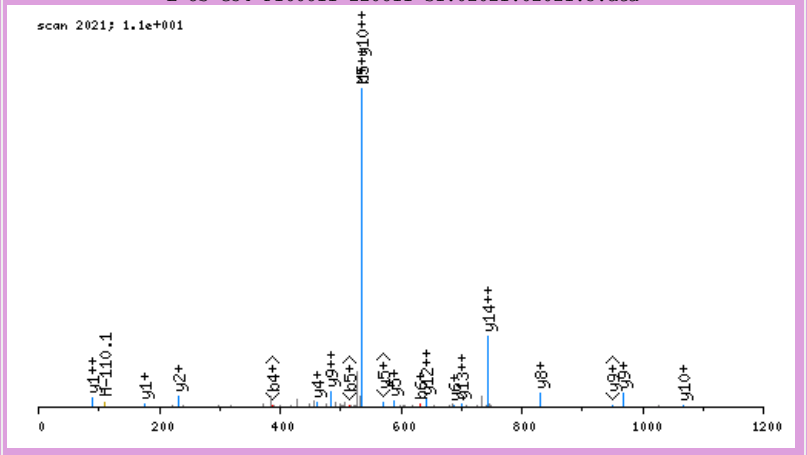
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
209.1350	2	S	12	1196.5217	598.7648
324.1619	3	D	11	1109.4897	555.2488
411.1939	4	S	10	994.4628	497.7353
542.2344	5	M	9	907.4307	454.2193
657.2614	6	D	8	776.3903	388.6990
758.3090	7	T	7	661.3633	331.1856
815.3305	8	G	6	560.3156	280.6617
886.3676	9	A	5	503.2942	252.1510
943.3891	10	G	4	432.2571	216.6324
1030.4211	11	S	3	375.2356	188.1217
1143.5052	12	I	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

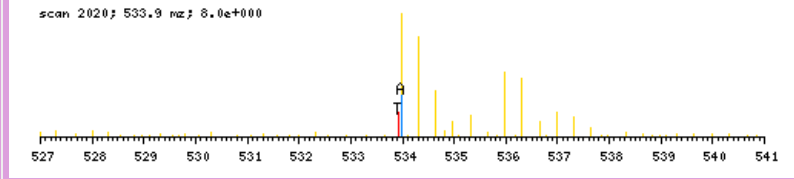
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSDSQVHSGVQVEGR, MH+ 1599.7727, m/z 533.9291
L OS G34 P160811 220811-s1.02021.02021.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



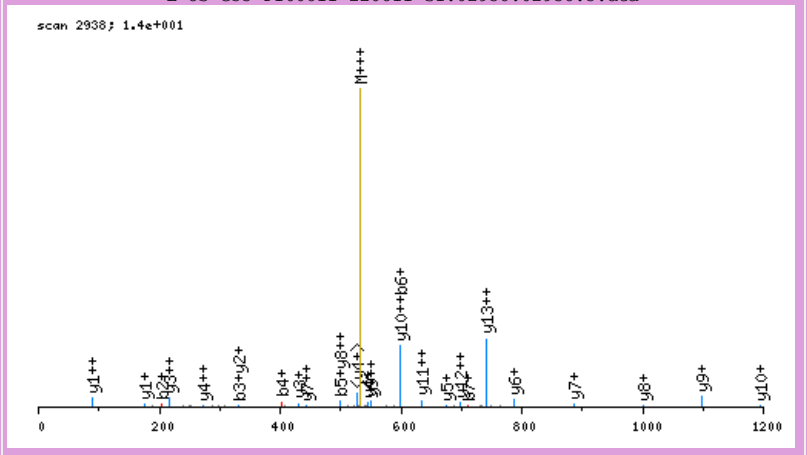
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1484.7094	**742.8586**
318.1301	3	D	13	1397.6773	**699.3426**
405.1621	4	S	12	1282.6504	**641.8291**
533.2207	5	Q	11	1195.6184	598.3131
632.2891	6	V	10	**1067.5598**	**534.2838**
769.3480	7	H	9	**968.4914**	**484.7496**
856.3801	8	S	8	**831.4325**	416.2201
913.4015	9	G	7	744.4004	372.7041
1012.4699	10	V	6	**687.3790**	344.1934
1140.5285	11	Q	5	**588.3105**	294.6592
1239.5969	12	V	4	**460.2520**	230.6299
1368.6395	13	E	3	361.1836	181.0957
1425.6610	14	G	2	**232.1410**	116.5744
	15	R	1	**175.1195**	**88.0637**

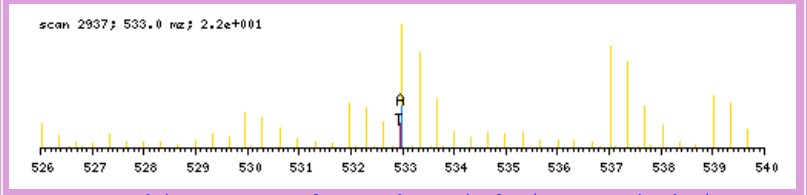
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSEAPPLVNEDVKR, MH+ 1596.8597, m/z 532.9581
L OS G33 P160811 220811-s1.02938.02938.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

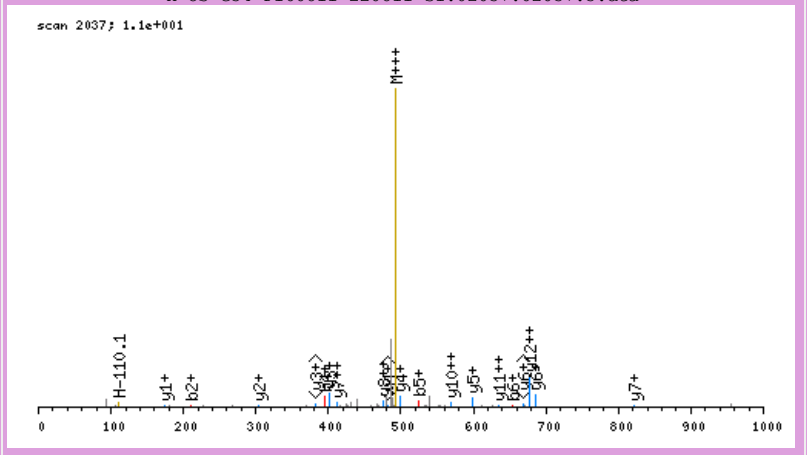


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

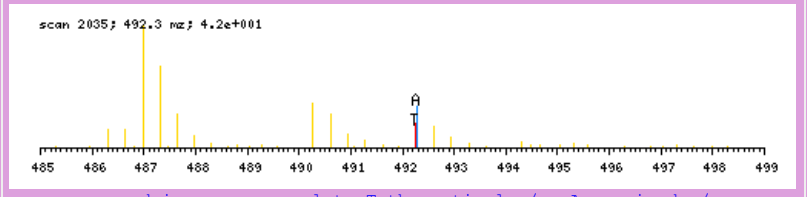
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
203.1032	2	S	13	1481.7964	741.4021
332.1458	3	E	12	1394.7644	697.8861
403.1829	4	A	11	1265.7218	633.3648
500.2356	5	P	10	1194.6847	597.8463
597.2884	6	P	9	1097.6319	549.3199
710.3725	7	L	8	1000.5792	500.7935
809.4409	8	V	7	887.4951	444.2515
923.4838	9	N	6	788.4267	394.7173
1052.5264	10	E	5	674.3838	337.6958
1167.5533	11	D	4	545.3412	273.1745
1266.6217	12	V	3	430.3142	215.6610
1422.7480	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

N-term:+29.04 K(13):+156.13

SSEGEEHSVVPQR, MH+ 1474.7350, m/z 492.2498
H OS G34 P160811 220811-s1.02037.02037.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

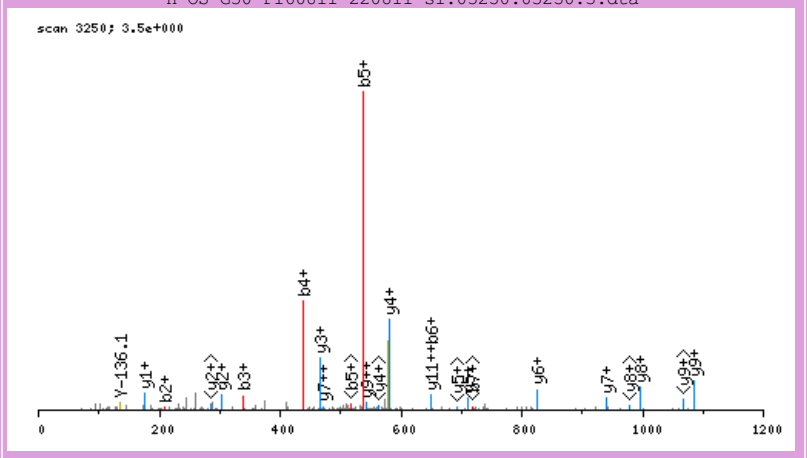
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
209.1350	2	S	12	1353.6399	677.3239
338.1776	3	E	11	1266.6079	633.8078
395.1990	4	G	10	1137.5653	569.2865
524.2416	5	E	9	1080.5438	540.7758
653.2842	6	E	8	951.5012	476.2545
790.3431	7	H	7	822.4586	411.7332
877.3751	8	S	6	685.3997	343.2038
976.4436	9	V	5	598.3677	299.6877
1075.5120	10	V	4	499.2993	250.1535
1172.5647	11	P	3	400.2308	200.6193
1300.6233	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

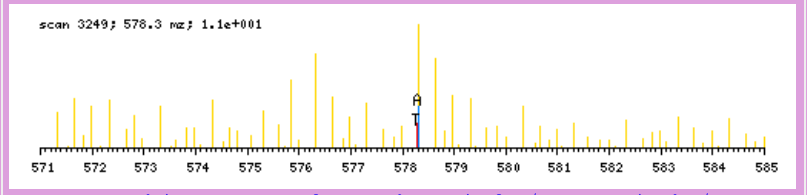
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSEVVLSGDDEDYQR, MH+ 1732.8089, m/z 578.2745
H OS G30 P160811 220811-s1.03250.03250.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



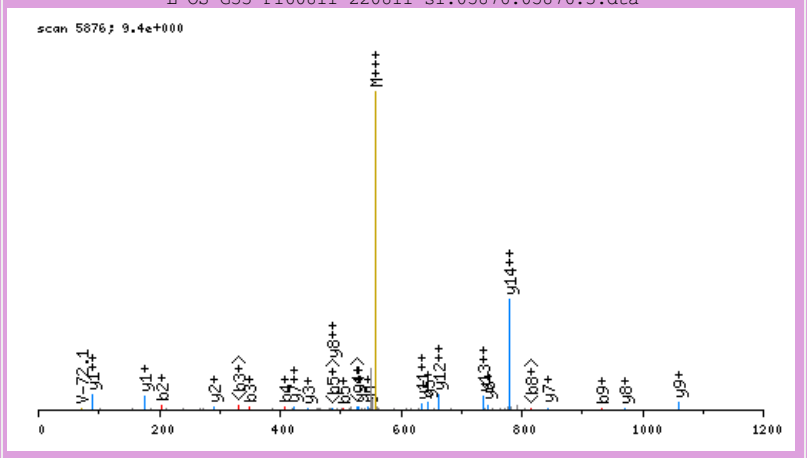
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1611.7138	806.3608
338.1776	3	E	13	1524.6818	762.8448
437.2460	4	V	12	1395.6392	698.3235
536.3144	5	V	11	1296.5708	**648.7893**
649.3984	6	L	10	1197.5024	599.2551
736.4305	7	S	9	**1084.4183**	**542.7131**
793.4519	8	G	8	**997.3863**	499.1971
908.4789	9	D	7	**940.3648**	**470.6863**
1023.5058	10	D	6	**825.3379**	413.1729
1152.5484	11	E	5	**710.3109**	355.6594
1267.5754	12	D	4	**581.2683**	291.1381
1430.6387	13	Y	3	**466.2414**	233.6246
1558.6973	14	Q	2	**303.1781**	152.0930
	15	R	1	**175.1195**	88.0637

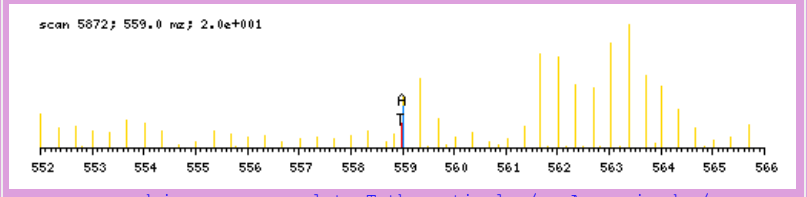
N-term:+35.07

SSFGPISEVVVVKDR, MH+ 1674.9431, m/z 558.9859
L OS G33 P160811 220811-s1.05876.05876.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



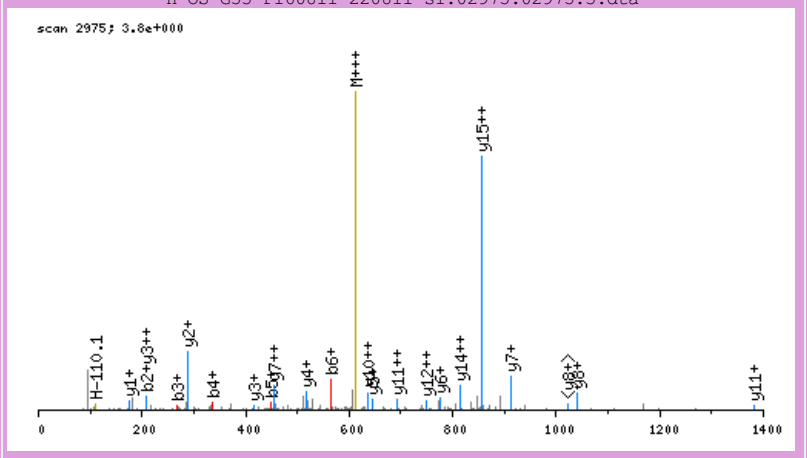
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1559.8798	780.4438
350.1716	3	F	13	1472.8477	736.9278
407.1930	4	G	12	1325.7793	663.3936
504.2458	5	P	11	1268.7578	634.8828
617.3299	6	I	10	1171.7051	586.3565
704.3619	7	S	9	1058.6210	529.8144
833.4045	8	E	8	971.5890	486.2984
932.4729	9	V	7	842.5464	421.7771
1031.5413	10	V	6	743.4780	372.2429
1130.6097	11	V	5	644.4096	322.7087
1229.6781	12	V	4	545.3412	273.1745
1385.8044	13	K	3	446.2727	223.6403
1500.8314	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

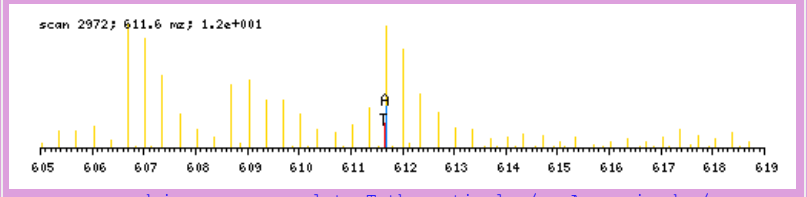
N-term:+29.04 K(13):+156.13

SSGAIDTQQHEEVELR, MH+ 1832.9202, m/z 611.6449
H OS G33 P160811 220811-s1.02975.02975.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



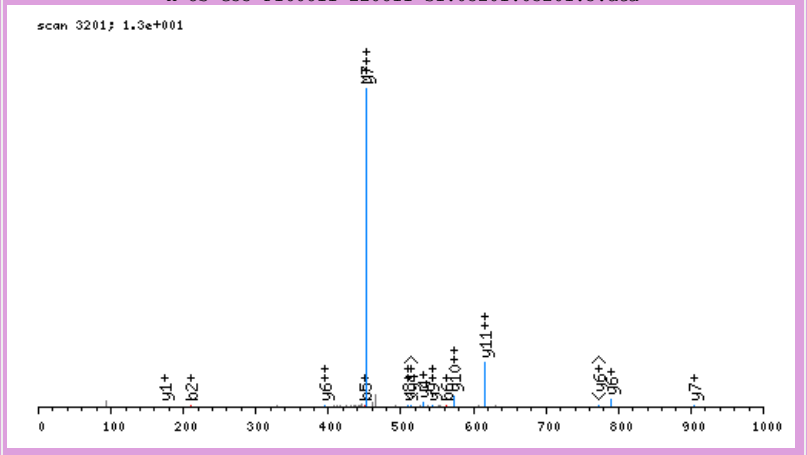
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
209.1350	2	S	15	1711.8251	**856.4165**
266.1564	3	G	14	1624.7931	**812.9005**
337.1935	4	A	13	1567.7716	784.3897
450.2776	5	I	12	1496.7345	**748.8712**
565.3045	6	D	11	**1383.6504**	**692.3291**
666.3522	7	T	10	1268.6235	**634.8157**
794.4108	8	Q	9	1167.5758	584.2918
922.4694	9	Q	8	**1039.5172**	520.2625
1059.5283	10	H	7	**911.4587**	**456.2332**
1188.5709	11	E	6	**774.3998**	387.7038
1317.6135	12	E	5	**645.3572**	323.1825
1416.6819	13	V	4	**516.3146**	258.6612
1545.7245	14	E	3	**417.2462**	**209.1270**
1658.8085	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

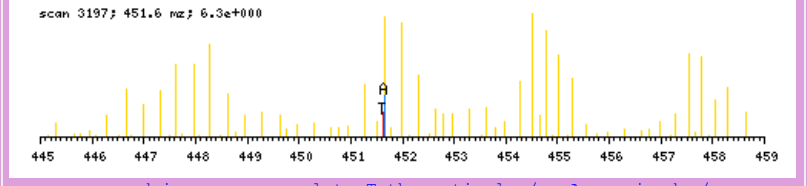
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSGALLPKPQMR, MH+ 1352.8360, m/z 451.6169
H OS G33 P160811 220811-s1.03201.03201.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

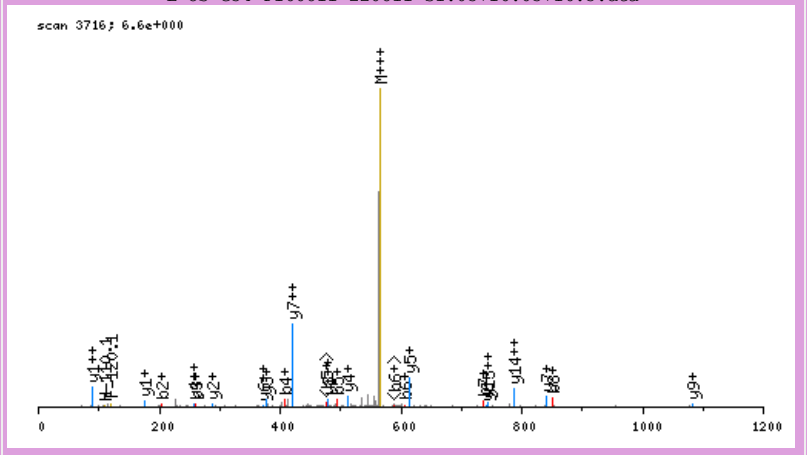


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

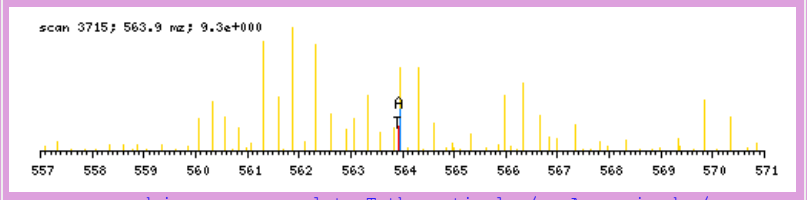
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
209.1350	2	S	11	1231.7409	616.3744
266.1564	3	G	10	1144.7089	572.8584
337.1935	4	A	9	1087.6874	544.3476
450.2776	5	L	8	1016.6503	508.8291
563.3617	6	L	7	903.5663	452.2870
660.4144	7	P	6	790.4822	395.7450
822.5725	8	K	5	693.4294	347.2186
919.6253	9	P	4	531.2713	266.1396
1047.6839	10	Q	3	434.2186	217.6132
1178.7244	11	M	2	306.1600	153.5839
	12	R	1	175.1195	88.0637

N-term:+35.07 K(8):+162.16

SSGFSLEDPQTHSNR, MH+ 1689.7832, m/z 563.9326
L OS G34 P160811 220811-s1.03716.03716.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

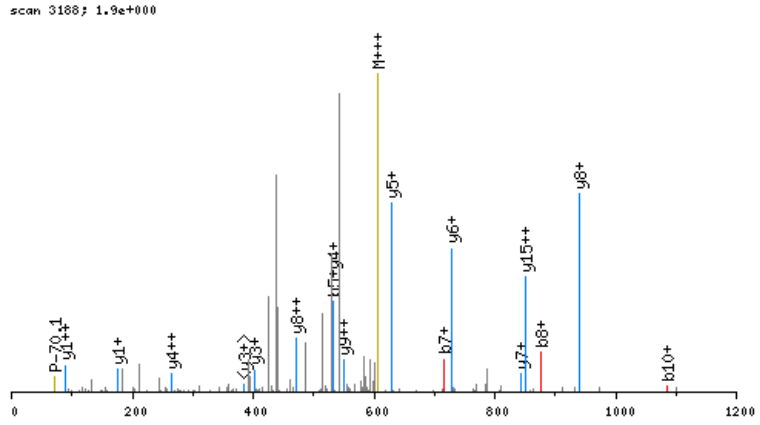
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1574.7199	**787.8639**
260.1246	3	G	13	1487.6879	**744.3479**
407.1930	4	F	12	1430.6664	715.8371
494.2251	5	S	11	1283.5980	642.3029
607.3091	6	L	10	1196.5660	598.7869
736.3517	7	E	9	**1083.4819**	542.2449
851.3787	8	D	8	954.4393	**477.7236**
948.4314	9	P	7	**839.4124**	**420.2101**
1076.4900	10	Q	6	**742.3596**	**371.6837**
1177.5377	11	T	5	**614.3010**	307.6544
1314.5966	12	H	4	**513.2534**	**257.1306**
1401.6286	13	S	3	**376.1945**	188.6011
1515.6716	14	N	2	**289.1624**	145.0851
	15	R	1	**175.1195**	**88.0637**

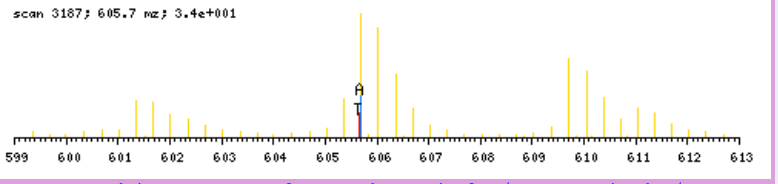
N-term:+29.04

SSGKDGQCPLVVEQVR, MH+ 1814.9434, m/z 605.6527
L OS G33 P160811 220811-s1.03188.03188.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



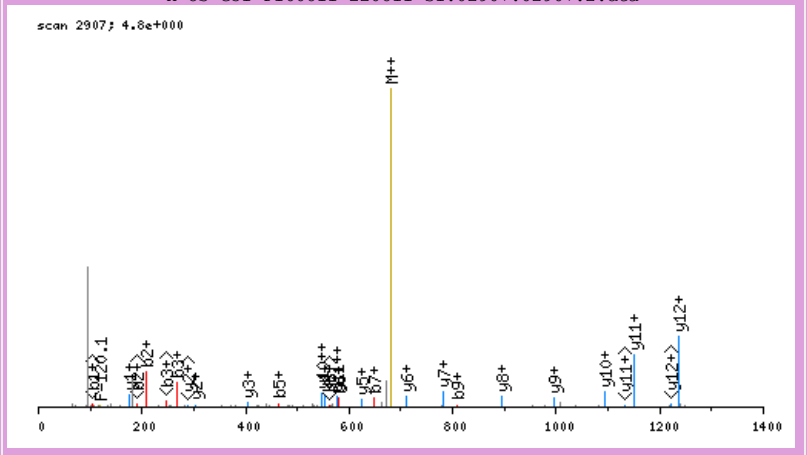
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
203.1032	2	S	15	1699.8801	**850.4440**
260.1246	3	G	14	1612.8481	806.9280
416.2509	4	K	13	1555.8266	778.4172
531.2779	5	D	12	1399.7003	700.3541
588.2993	6	G	11	1284.6734	642.8406
716.3579	7	Q	10	1227.6519	614.3299
876.3885	8	C	9	1099.5933	**550.3006**
973.4413	9	P	8	**939.5627**	**470.2853**
1086.5253	10	L	7	**842.5100**	421.7589
1185.5937	11	V	6	**729.4259**	365.2169
1284.6622	12	V	5	**630.3575**	315.6827
1413.7048	13	E	4	**531.2891**	**266.1485**
1541.7633	14	Q	3	**402.2465**	201.6272
1640.8317	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	**88.0637**

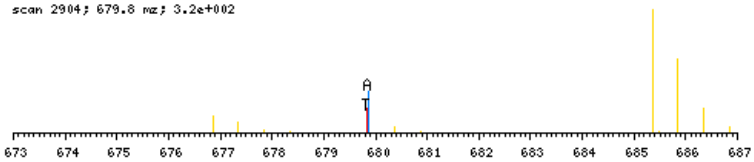
N-term:+29.04 K(4):+156.13
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSGPTNASAFTER, MH+ 1358.6764, m/z 679.8418
H OS G31 P160811 220811-s1.02907.02907.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



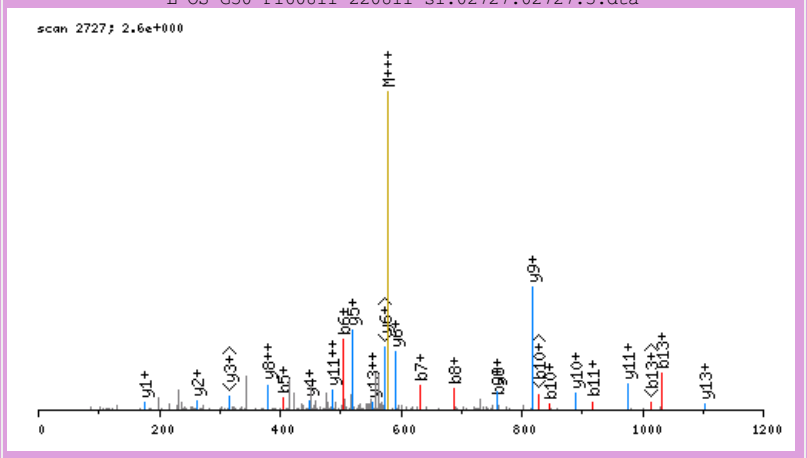
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
209.1350	2	S	12	1237.5813	619.2946
266.1564	3	G	11	1150.5493	575.7786
363.2092	4	P	10	1093.5278	547.2678
464.2569	5	T	9	996.4750	498.7414
578.2998	6	N	8	895.4274	448.2176
649.3369	7	A	7	781.3844	391.1961
736.3689	8	S	6	710.3473	355.6776
807.4060	9	A	5	623.3153	312.1616
954.4745	10	F	4	552.2782	276.6430
1055.5221	11	T	3	405.2098	203.1088
1184.5647	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

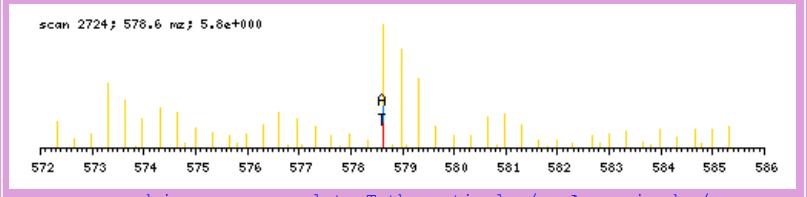
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSGSGVQGASAGGLAADASR, MH+ 1733.8418, m/z 578.6188
L OS G30 P160811 220811-s1.02727.02727.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



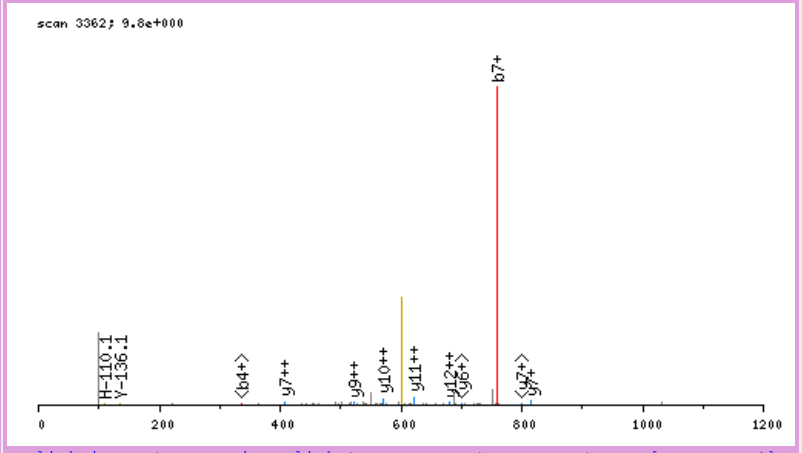
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
203.1032	2	S	19	1618.7785	809.8932
260.1246	3	G	18	1531.7465	766.3771
347.1566	4	S	17	1474.7250	737.8664
404.1781	5	G	16	1387.6930	694.3504
503.2465	6	V	15	1330.6715	665.8397
631.3051	7	Q	14	1231.6031	616.3055
688.3266	8	G	13	**1103.5445**	**552.2762**
759.3637	9	A	12	1046.5231	523.7654
846.3957	10	S	11	**975.4859**	**488.2469**
917.4328	11	A	10	**888.4539**	444.7309
974.4543	12	G	9	**817.4168**	409.2123
1031.4758	13	G	8	**760.3953**	**380.7016**
1144.5598	14	L	7	703.3739	352.1909
1215.5969	15	A	6	**590.2898**	295.6488
1286.6340	16	A	5	**519.2527**	260.1303
1401.6610	17	D	4	**448.2156**	224.6117
1472.6981	18	A	3	333.1886	167.0982
1559.7301	19	S	2	**262.1515**	131.5797
	20	R	1	**175.1195**	88.0637

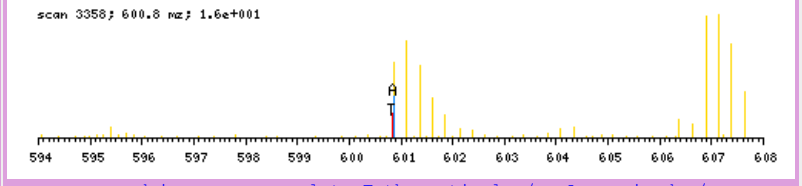
N-term:+29.04

SSGSRKSSAAGDVVNLVSVDIQR, MH+ 2400.3483, m/z 600.8425
H OS G35 P160811 220811-s1.03362.03362.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



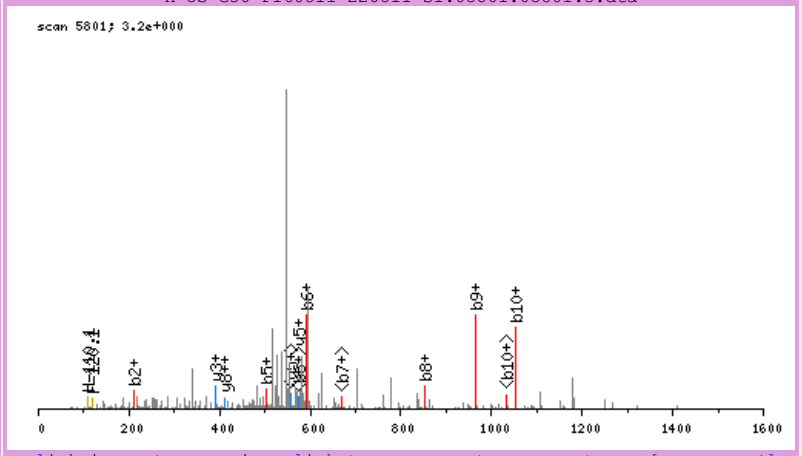
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	23		
209.1350	2	S	22	2279.2532	1140.1305
266.1564	3	G	21	2192.2212	1096.6145
353.1884	4	S	20	2135.1997	1068.1038
509.2896	5	R	19	2048.1677	1024.5877
671.4477	6	K	18	1892.0666	946.5372
758.4797	7	S	17	1729.9085	865.4581
845.5117	8	S	16	1642.8764	821.9421
916.5488	9	A	15	1555.8444	778.4261
987.5859	10	A	14	1484.8073	742.9076
1044.6074	11	G	13	1413.7702	707.3890
1159.6344	12	D	12	1356.7487	**678.8783**
1258.7028	13	V	11	1241.7218	**621.3648**
1357.7712	14	V	10	1142.6533	**571.8306**
1471.8141	15	N	9	1043.5849	**522.2964**
1584.8982	16	L	8	929.5420	465.2749
1683.9666	17	V	7	**816.4579**	**408.7329**
1770.9986	18	S	6	717.3895	359.1987
1870.0670	19	V	5	630.3575	315.6827
1985.0940	20	D	4	531.2891	266.1485
2098.1780	21	I	3	416.2621	208.6350
2226.2366	22	Q	2	303.1781	152.0930
	23	R	1	175.1195	88.0637

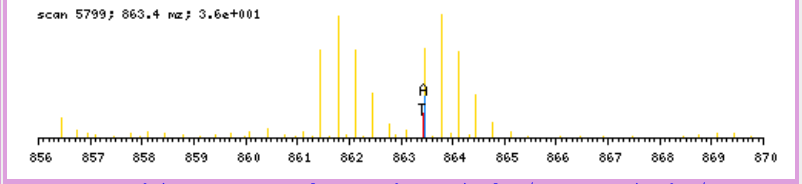
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSHASSPYISSVQSYPGSASLAQSR, MH+ 2588.2805, m/z 863.4317
H OS G30 P160811 220811-s1.05801.05801.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

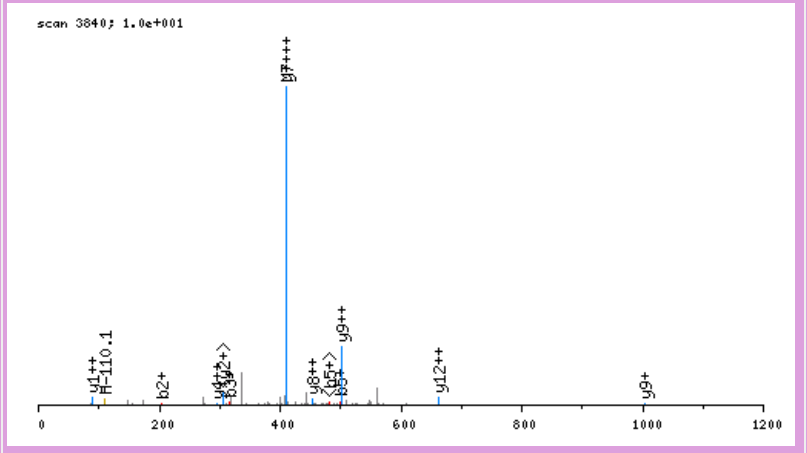


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

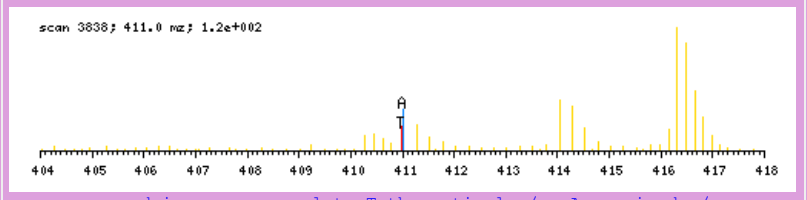
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	25		
209.1350	2	S	24	2467.1854	1234.0966
346.1939	3	H	23	2380.1533	1190.5806
417.2310	4	A	22	2243.0944	1122.0511
504.2630	5	S	21	2172.0573	1086.5326
591.2950	6	S	20	2085.0253	1043.0165
688.3478	7	P	19	1997.9932	999.5005
851.4111	8	Y	18	1900.9405	950.9742
964.4952	9	I	17	1737.8772	869.4425
1051.5272	10	S	16	1624.7931	812.9005
1138.5593	11	S	15	1537.7611	769.3844
1237.6277	12	V	14	1450.7290	725.8684
1365.6862	13	Q	13	1351.6606	676.3342
1452.7183	14	S	12	1223.6020	612.3049
1615.7816	15	Y	11	1136.5700	568.7889
1712.8344	16	P	10	973.5067	487.2573
1769.8558	17	G	9	876.4539	438.7309
1856.8879	18	S	8	819.4325	**410.2201**
1927.9250	19	A	7	732.4004	366.7041
2014.9570	20	S	6	661.3633	331.1856
2128.0411	21	L	5	**574.3313**	287.6696
2199.0782	22	A	4	461.2472	231.1275
2327.1368	23	Q	3	**390.2101**	195.6090
2414.1688	24	S	2	262.1515	131.5797
	25	R	1	175.1195	88.0637

N-term:+35.07

SSIPSHPSTAGKIFR, MH+ 1640.9124, m/z 410.9836
L OS G35 P160811 220811-s1.03840.03840.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

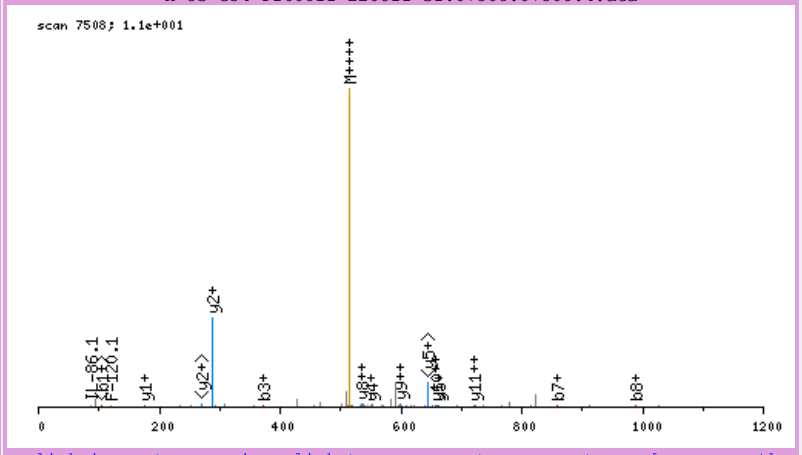
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b+	#	AA	#	y+	y2+
116.0711	1	S	15		
203.1032	2	S	14	1525.8491	763.4285
316.1872	3	I	13	1438.8171	719.9125
413.2400	4	P	12	1325.7330	663.3704
500.2720	5	S	11	1228.6803	614.8440
637.3309	6	H	10	1141.6482	571.3280
734.3837	7	P	9	1004.5893	502.7986
821.4157	8	S	8	907.5366	454.2722
922.4634	9	T	7	820.5045	410.7562
993.5005	10	A	6	719.4569	360.2323
1050.5220	11	G	5	648.4197	324.7138
1206.6483	12	K	4	591.3983	296.2031
1319.7323	13	I	3	435.2720	218.1399
1466.8008	14	F	2	322.1879	161.5979
	15	R	1	175.1195	88.0637

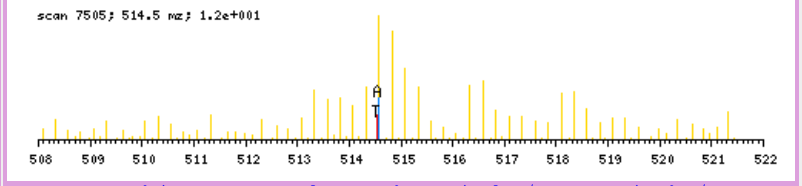
N-term:+29.04 K(12):+156.13

SSKELEDMNQKLFDLR, MH+ 2055.1645, m/z 514.5466
H OS G34 P160811 220811-s1.07508.07508.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



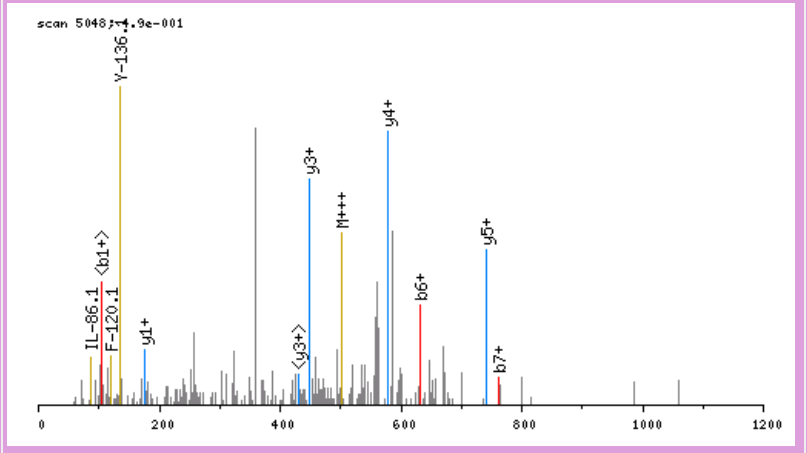
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
209.1350	2	S	15	1934.0694	967.5386
371.2931	3	K	14	1847.0374	924.0226
500.3357	4	E	13	1684.8793	842.9435
613.4197	5	L	12	1555.8367	778.4223
742.4623	6	E	11	1442.7526	**721.8802**
857.4893	7	D	10	1313.7100	**657.3589**
988.5297	8	M	9	1198.6831	**599.8455**
1102.5727	9	N	8	1067.6426	**534.3252**
1230.6312	10	Q	7	953.5997	477.3037
1392.7893	11	K	6	825.5411	413.2745
1505.8734	12	L	5	**663.3830**	332.1954
1652.9418	13	F	4	**550.2989**	275.6534
1767.9688	14	D	3	403.2305	202.1192
1881.0528	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

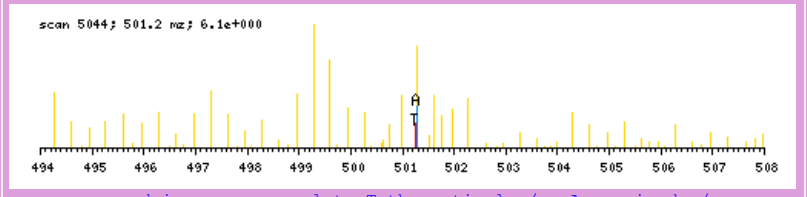
N-term:+35.07 K(3):+162.16
K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSLPPDMYECLR, MH+ 1501.7242, m/z 501.2463
H OS G30 P160811 220811-s1.05048.05048.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



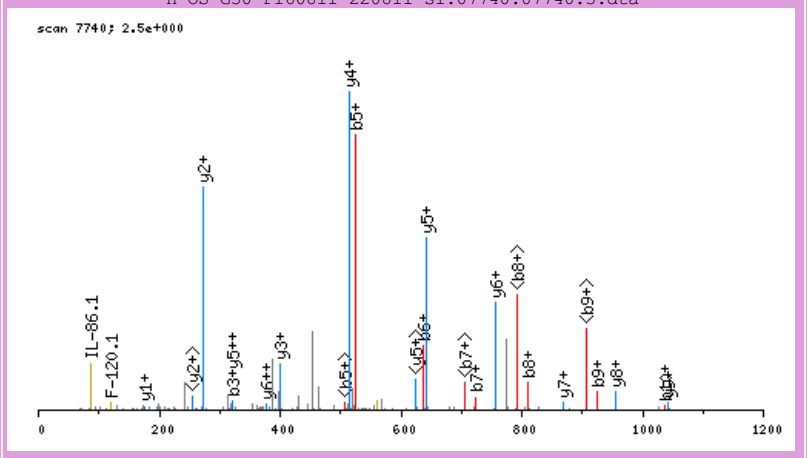
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
209.1350	2	S	11	1380.6291	690.8185
322.2190	3	L	10	1293.5971	647.3025
419.2718	4	P	9	1180.5130	590.7604
516.3245	5	P	8	1083.4603	542.2341
631.3515	6	D	7	986.4075	493.7077
762.3920	7	M	6	871.3806	436.1942
925.4553	8	Y	5	**740.3401**	370.6740
1054.4979	9	E	4	**577.2768**	289.1423
1214.5285	10	C	3	**448.2342**	224.6210
1327.6126	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

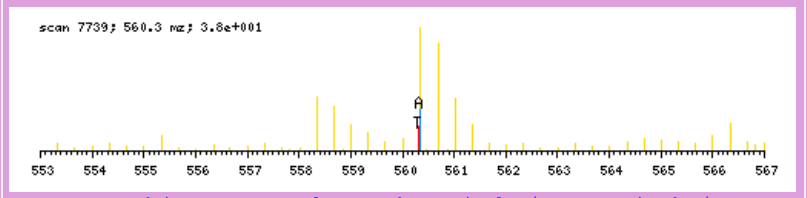
N-term:+35.07 C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSLSDISSLLQIEPR, MH+ 1678.9439, m/z 560.3195
H OS G30 P160811 220811-s1.07740.07740.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



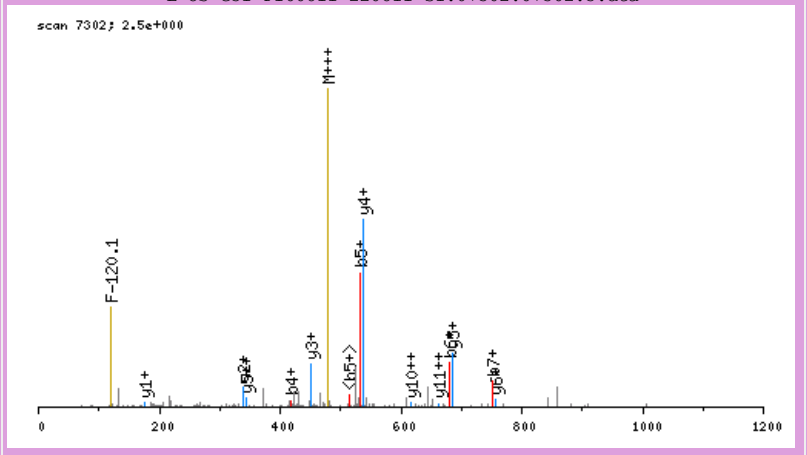
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1557.8488	779.4283
322.2190	3	L	13	1470.8168	735.9123
409.2510	4	S	12	1357.7327	679.3703
524.2780	5	D	11	1270.7007	635.8543
637.3621	6	I	10	1155.6737	578.3408
724.3941	7	S	9	**1042.5897**	521.7988
811.4261	8	S	8	**955.5577**	478.2827
924.5102	9	L	7	**868.5256**	434.7667
1037.5942	10	L	6	**755.4416**	**378.2247**
1165.6528	11	Q	5	**642.3575**	**321.6827**
1278.7369	12	I	4	**514.2989**	257.6534
1407.7795	13	E	3	**401.2149**	201.1113
1504.8322	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

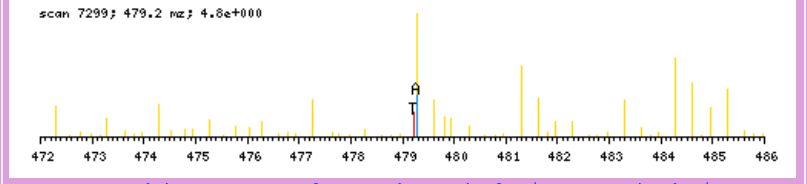
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSNTDFAFSLYR, MH+ 1435.6857, m/z 479.2334
L OS G31 P160811 220811-s1.07302.07302.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



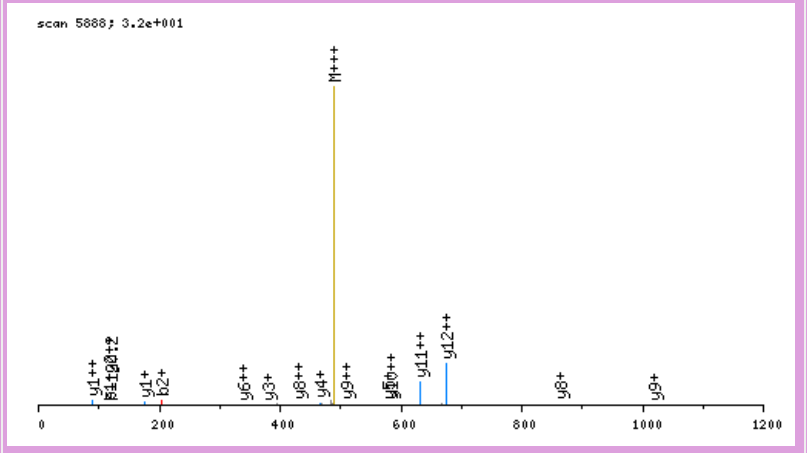
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
203.1032	2	S	11	1320.6224	**660.8151**
317.1461	3	N	10	1233.5904	**617.2991**
418.1938	4	T	9	1119.5475	560.2777
533.2207	5	D	8	1018.4998	509.7538
680.2891	6	F	7	903.4729	452.2403
751.3262	7	A	6	**756.4044**	378.7061
898.3946	8	F	5	**685.3673**	**343.1876**
985.4267	9	S	4	**538.2989**	269.6534
1098.5107	10	L	3	**451.2669**	226.1374
1261.5741	11	Y	2	**338.1828**	169.5953
	12	R	1	**175.1195**	88.0637

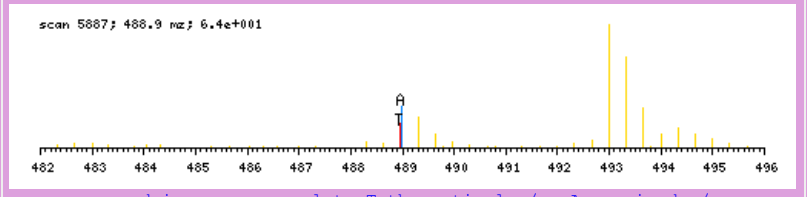
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSPFKVSPLSFGR, MH+ 1464.8215, m/z 488.9453
L OS G33 P160811 220811-s1.05888.05888.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



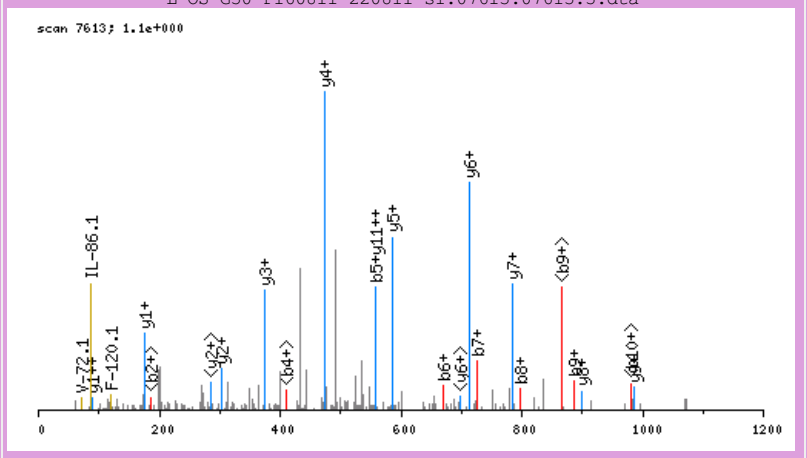
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
203.1032	2	S	12	1349.7582	675.3830
300.1559	3	P	11	1262.7262	631.8670
447.2243	4	F	10	1165.6734	583.3406
603.3506	5	K	9	1018.6050	509.8064
702.4190	6	V	8	862.4787	431.7433
789.4511	7	S	7	763.4103	382.2090
886.5038	8	P	6	676.3782	338.6930
999.5879	9	L	5	579.3255	290.1666
1086.6199	10	S	4	466.2414	233.6246
1233.6883	11	F	3	379.2094	190.1086
1290.7098	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

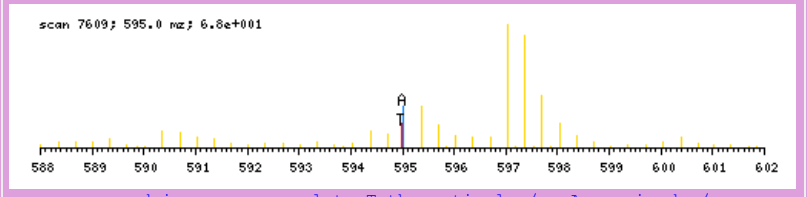
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSPQELGASLAQLVAQR, MH+ 1782.9714, m/z 594.9953
L OS G30 P160811 220811-s1.07613.07613.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



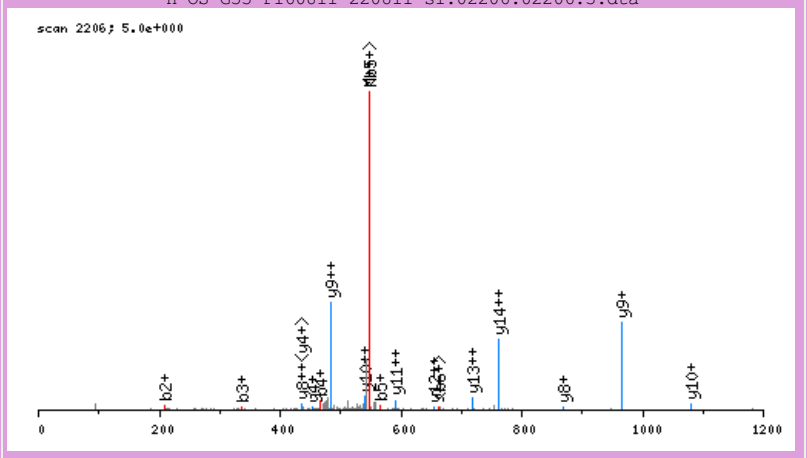
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
203.1032	2	S	16	1667.9081	834.4579
300.1559	3	P	15	1580.8760	790.9419
428.2145	4	Q	14	1483.8233	742.4155
557.2571	5	E	13	1355.7647	678.3863
670.3412	6	L	12	1226.7221	613.8650
727.3626	7	G	11	1113.6380	**557.3229**
798.3997	8	A	10	1056.6166	528.8122
885.4318	9	S	9	**985.5795**	493.2936
998.5158	10	L	8	**898.5474**	449.7776
1069.5529	11	A	7	**785.4634**	393.2356
1197.6115	12	Q	6	**714.4262**	357.7170
1310.6956	13	L	5	**586.3677**	293.6877
1409.7640	14	V	4	**473.2836**	237.1457
1480.8011	15	A	3	**374.2152**	187.6115
1608.8597	16	Q	2	**303.1781**	152.0930
	17	R	1	**175.1195**	**88.0637**

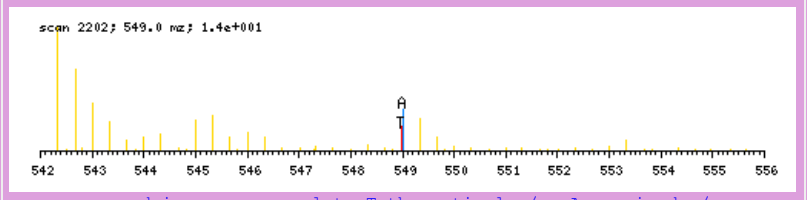
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSQQTIPPSAKYGGR, MH+ 1644.9346, m/z 548.9830
H OS G33 P160811 220811-s1.02206.02206.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



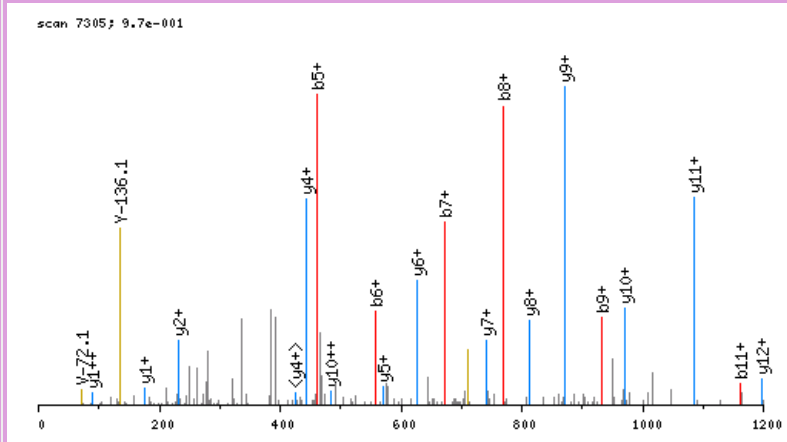
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1523.8395	762.4236
337.1935	3	Q	13	1436.8074	718.9076
465.2521	4	Q	12	1308.7488	654.8783
566.2998	5	T	11	1180.6903	590.8490
679.3839	6	I	10	1079.6426	540.3252
776.4366	7	P	9	966.5585	483.7832
873.4894	8	P	8	869.5058	435.2568
960.5214	9	S	7	772.4530	386.7304
1031.5585	10	A	6	685.4210	343.2144
1193.7166	11	K	5	614.3839	307.6958
1356.7800	12	Y	4	452.2258	226.6168
1413.8014	13	G	3	289.1624	145.0851
1470.8229	14	G	2	232.1410	116.5744
	15	R	1	175.1195	88.0637

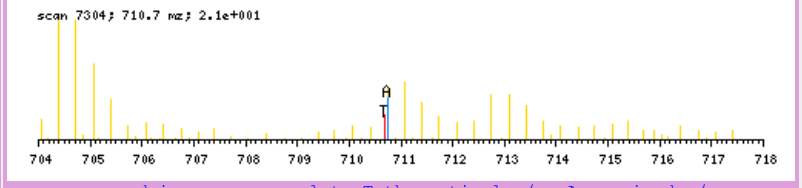
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SSSGNPLVYLDVGADGQPLGR, MH+ 2130.0831, m/z 710.6992
L OS G30 P160811 220811-s1.07305.07305.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



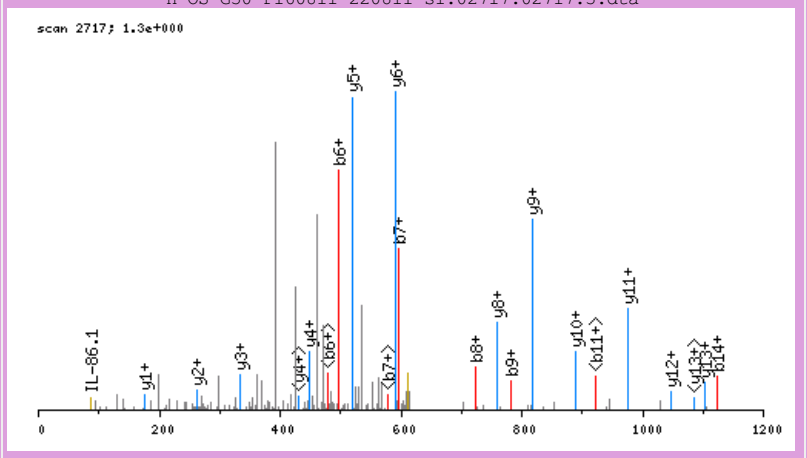
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
203.1032	2	S	20	2015.0198	1008.0138
290.1352	3	S	19	1927.9878	964.4978
347.1566	4	G	18	1840.9557	920.9818
461.1996	5	N	17	1783.9343	892.4710
558.2523	6	P	16	1669.8913	835.4496
671.3364	7	L	15	1572.8386	786.9232
770.4048	8	V	14	1459.7545	730.3812
933.4681	9	Y	13	1360.6861	680.8470
1046.5522	10	L	12	**1197.6228**	599.3153
1161.5792	11	D	11	**1084.5387**	542.7733
1260.6476	12	V	10	**969.5118**	**485.2598**
1317.6690	13	G	9	**870.4434**	435.7256
1388.7061	14	A	8	**813.4219**	407.2149
1503.7331	15	D	7	**742.3848**	371.6963
1560.7546	16	G	6	**627.3578**	314.1828
1688.8131	17	Q	5	**570.3364**	285.6721
1785.8659	18	P	4	**442.2778**	221.6428
1898.9500	19	L	3	345.2250	173.1164
1955.9714	20	G	2	**232.1410**	116.5744
	21	R	1	**175.1195**	**88.0637**

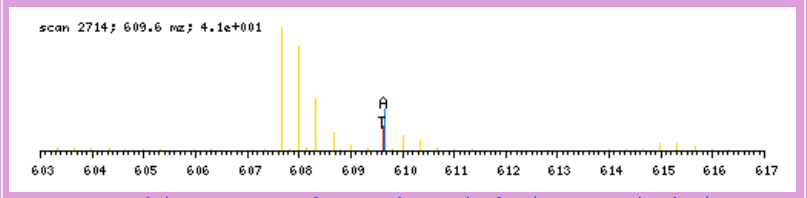
N-term:+29.04

SSSGSGVQGASAGGLAADASR, MH+ 1826.9056, m/z 609.6401
H OS G30 P160811 220811-s1.02717.02717.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



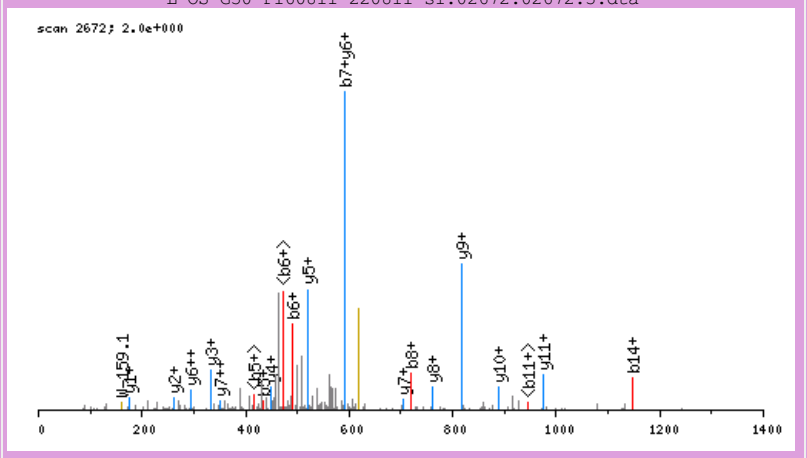
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
209.1350	2	S	20	1705.8105	853.4092
296.1670	3	S	19	1618.7785	809.8932
353.1884	4	G	18	1531.7465	766.3771
440.2205	5	S	17	1474.7250	737.8664
497.2419	6	G	16	1387.6930	694.3504
596.3104	7	V	15	1330.6715	665.8397
724.3689	8	Q	14	1231.6031	616.3055
781.3904	9	G	13	**1103.5445**	552.2762
852.4275	10	A	12	**1046.5231**	523.7654
939.4595	11	S	11	**975.4859**	488.2469
1010.4967	12	A	10	**888.4539**	444.7309
1067.5181	13	G	9	**817.4168**	409.2123
1124.5396	14	G	8	**760.3953**	380.7016
1237.6236	15	L	7	703.3739	352.1909
1308.6608	16	A	6	**590.2898**	295.6488
1379.6979	17	A	5	**519.2527**	260.1303
1494.7248	18	D	4	**448.2156**	224.6117
1565.7619	19	A	3	**333.1886**	167.0982
1652.7940	20	S	2	**262.1515**	131.5797
	21	R	1	**175.1195**	88.0637

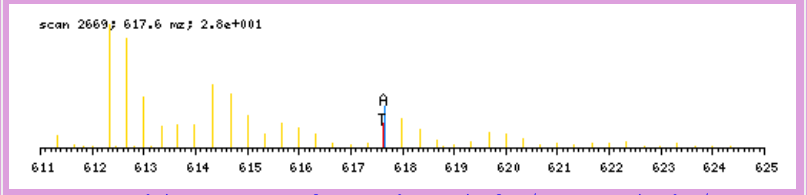
N-term:+35.07

SSSGSGVQGTSAGGLAADASR, MH+ 1850.8844, m/z 617.6330
L OS G30 P160811 220811-s1.02672.02672.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



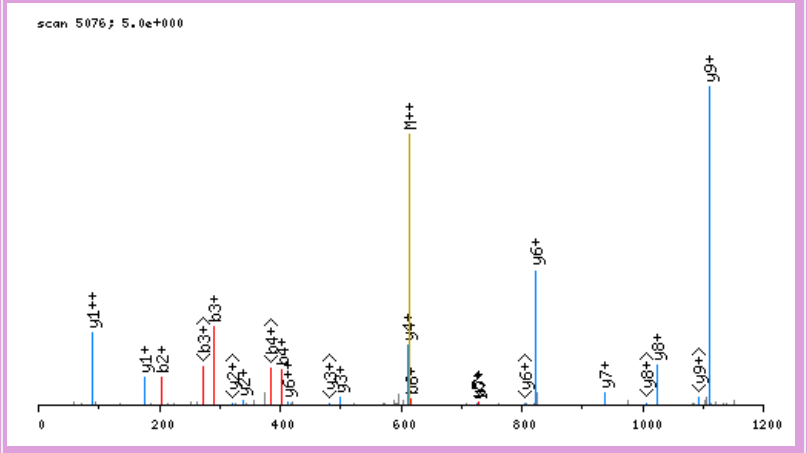
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
203.1032	2	S	20	1735.8211	868.4145
290.1352	3	S	19	1648.7891	824.8984
347.1566	4	G	18	1561.7570	781.3824
434.1887	5	S	17	1504.7356	752.8717
491.2101	6	G	16	1417.7035	709.3557
590.2786	7	V	15	1360.6821	680.8450
718.3371	8	Q	14	1261.6137	631.3107
775.3586	9	G	13	1133.5551	567.2815
876.4063	10	T	12	1076.5336	538.7707
963.4383	11	S	11	**975.4859**	488.2469
1034.4754	12	A	10	**888.4539**	444.7309
1091.4969	13	G	9	**817.4168**	409.2123
1148.5183	14	G	8	**760.3953**	380.7016
1261.6024	15	L	7	**703.3739**	**352.1909**
1332.6395	16	A	6	**590.2898**	**295.6488**
1403.6766	17	A	5	**519.2527**	260.1303
1518.7036	18	D	4	**448.2156**	224.6117
1589.7407	19	A	3	**333.1886**	167.0982
1676.7727	20	S	2	**262.1515**	131.5797
	21	R	1	**175.1195**	88.0637

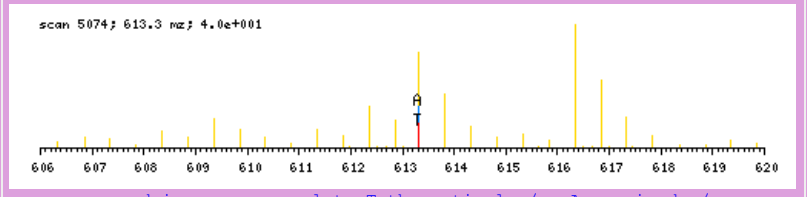
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSSLPDICYR, MH+ 1225.5886, m/z 613.2980
L OS G31 P160811 220811-s1.05076.05076.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



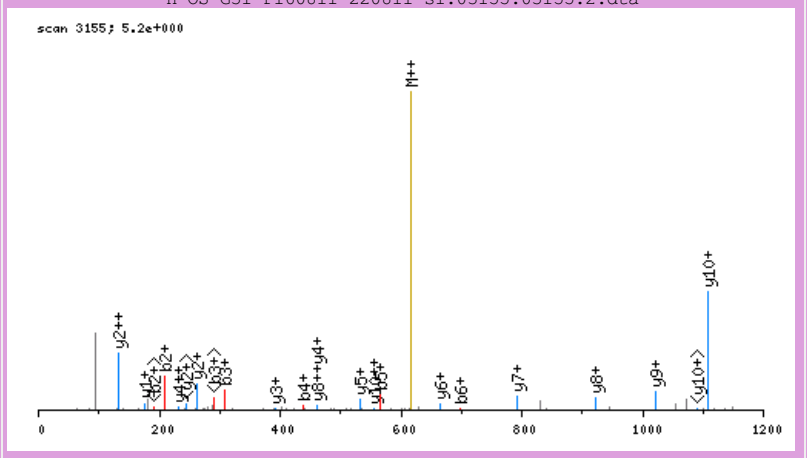
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	10		
203.1032	2	S	9	1110.5253	555.7666
290.1352	3	S	8	1023.4933	512.2506
403.2192	4	L	7	936.4613	468.7345
500.2720	5	P	6	823.3772	412.1925
615.2990	6	D	5	726.3244	363.6661
728.3830	7	I	4	611.2975	306.1527
888.4136	8	C	3	498.2134	249.6106
1051.4769	9	Y	2	338.1828	169.5953
	10	R	1	175.1195	88.0637

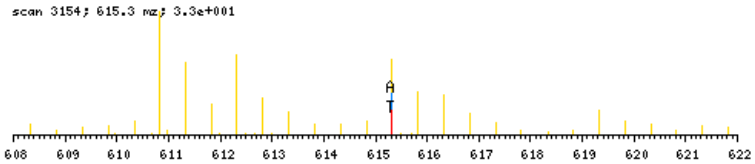
N-term:+29.04 C(8):+160.03

SSVEEMAAESR, MH+ 1229.5896, m/z 615.2984
H OS G31 P160811 220811-s1.03155.03155.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



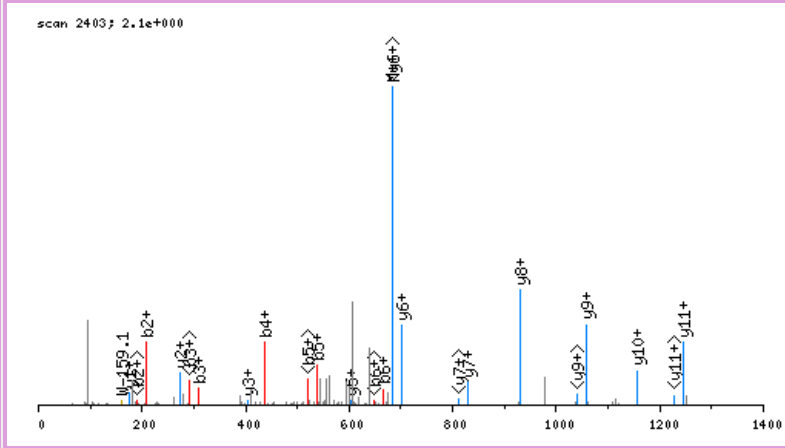
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
209.1350	2	S	10	1108.4945	554.7511
308.2034	3	V	9	1021.4624	511.2351
437.2460	4	E	8	922.3940	461.7009
566.2886	5	E	7	793.3514	397.1796
697.3290	6	M	6	664.3088	332.6583
768.3662	7	A	5	533.2683	267.1381
839.4033	8	A	4	462.2312	231.6195
968.4459	9	E	3	391.1941	196.1010
1055.4779	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

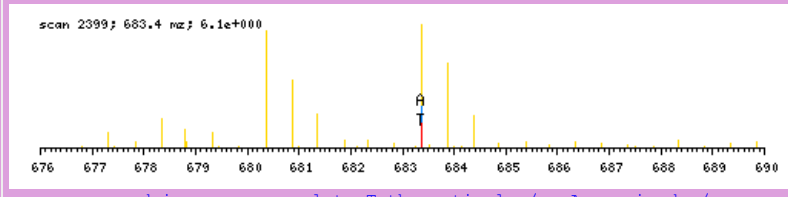
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSVETQPAEEVR, MH+ 1365.7074, m/z 683.3573
H OS G31 P160811 220811-s1.02403.02403.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



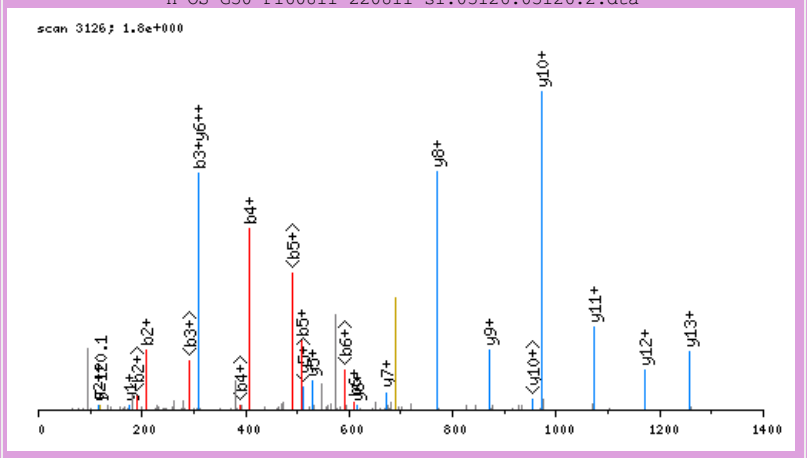
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
209.1350	2	S	11	1244.6123	622.8100
308.2034	3	V	10	1157.5802	579.2940
437.2460	4	E	9	1058.5118	529.7598
538.2936	5	T	8	929.4692	465.2385
666.3522	6	Q	7	828.4216	414.7147
763.4050	7	P	6	700.3630	350.6854
834.4421	8	A	5	603.3102	302.1590
963.4847	9	E	4	532.2731	266.6405
1092.5273	10	E	3	403.2305	202.1192
1191.5957	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

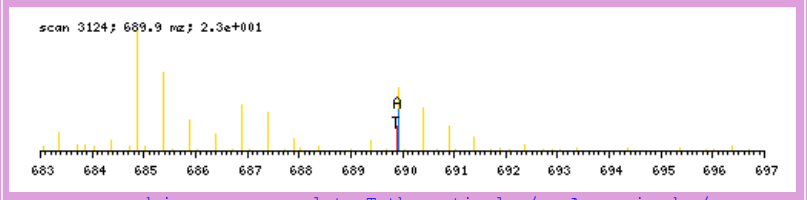
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSVVTTPGSPSLGR, MH+ 1378.7754, m/z 689.8913
H OS G30 P160811 220811-s1.03126.03126.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



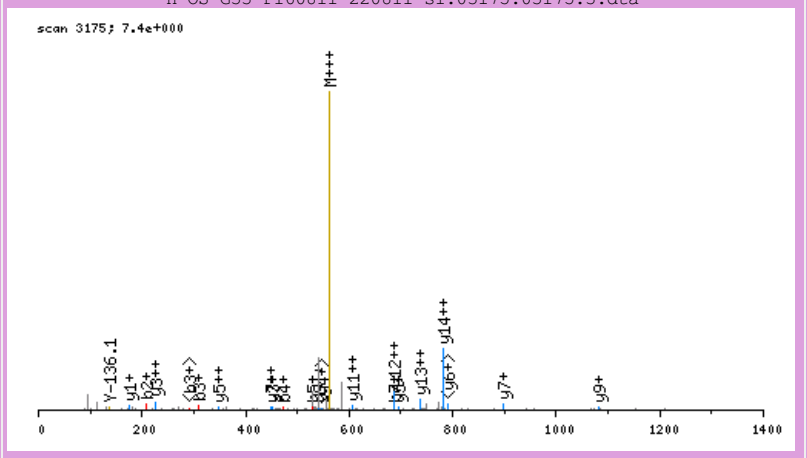
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
209.1350	2	S	13	1257.6803	629.3441
308.2034	3	V	12	1170.6483	585.8280
407.2718	4	V	11	1071.5798	536.2938
508.3195	5	T	10	972.5114	486.7596
609.3671	6	T	9	871.4638	436.2358
706.4199	7	P	8	770.4161	385.7120
763.4414	8	G	7	673.3633	337.1856
850.4734	9	S	6	616.3418	308.6748
947.5262	10	P	5	529.3098	265.1588
1034.5582	11	S	4	432.2571	216.6324
1147.6423	12	L	3	345.2250	173.1164
1204.6637	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

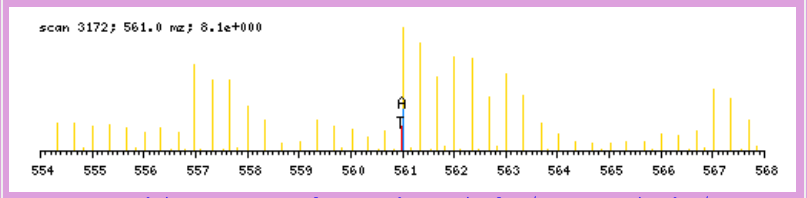
N-term:+35.07

SSVYGASVSDEDLKR, MH+ 1680.9081, m/z 560.9742
H OS G33 P160811 220811-s1.03175.03175.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



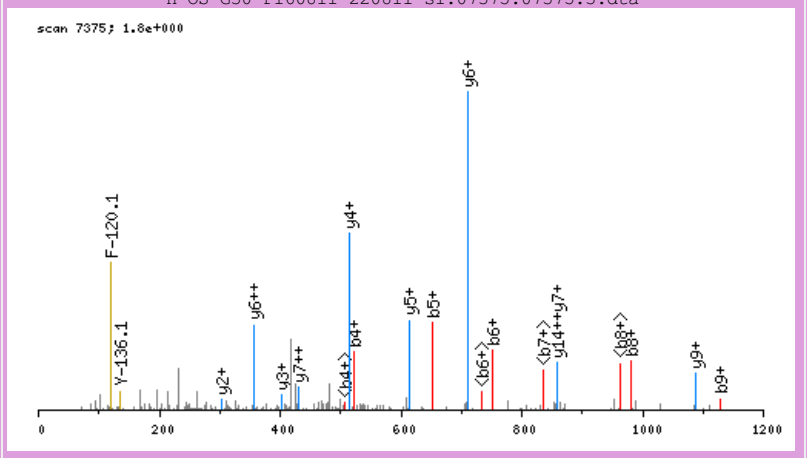
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1559.8130	780.4104
308.2034	3	V	13	1472.7809	736.8944
471.2667	4	Y	12	1373.7125	687.3602
528.2882	5	G	11	1210.6492	605.8285
599.3253	6	A	10	1153.6277	577.3178
686.3573	7	S	9	1082.5906	541.7992
785.4257	8	V	8	995.5586	498.2832
872.4577	9	S	7	896.4902	448.7490
987.4847	10	D	6	809.4581	405.2330
1116.5273	11	E	5	694.4312	347.7195
1231.5542	12	D	4	565.3886	283.1982
1344.6383	13	L	3	450.3617	225.6847
1506.7964	14	K	2	337.2776	169.1427
	15	R	1	175.1195	88.0637

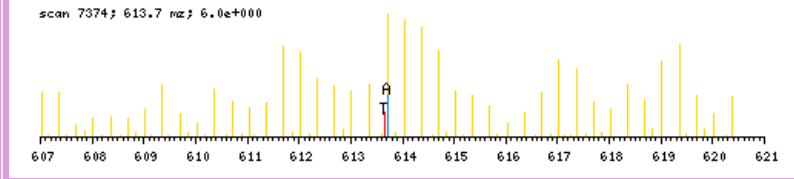
N-term:+35.07 K(14):+162.16

SSWQEVTEFPVIVQR, MH+ 1838.9864, m/z 613.6670
H OS G30 P160811 220811-s1.07375.07375.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



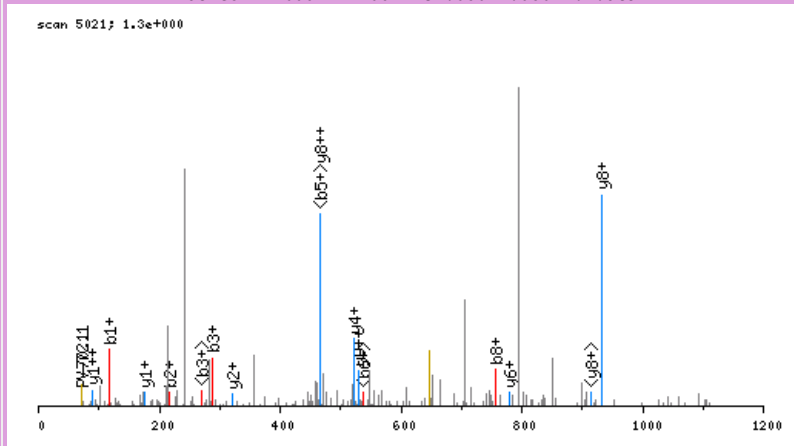
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1717.8913	**859.4496**
395.2143	3	W	13	1630.8593	815.9336
523.2728	4	Q	12	1444.7800	722.8939
652.3154	5	E	11	1316.7214	658.8646
751.3839	6	V	10	1187.6788	594.3433
852.4315	7	T	9	**1088.6104**	544.8091
981.4741	8	E	8	987.5627	494.2853
1128.5425	9	F	7	**858.5201**	**429.7640**
1225.5953	10	P	6	**711.4517**	**356.2298**
1324.6637	11	V	5	**614.3990**	307.7034
1437.7478	12	I	4	**515.3306**	258.1692
1536.8162	13	V	3	**402.2465**	201.6272
1664.8748	14	Q	2	**303.1781**	152.0930
	15	R	1	175.1195	88.0637

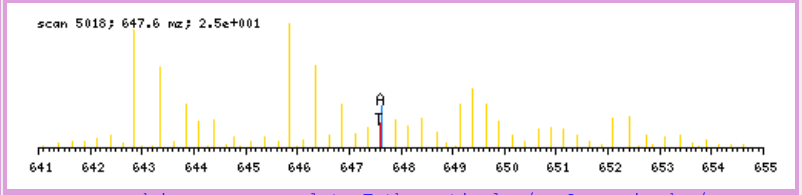
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STAPVASIHPPQLTVQPGQQAEFR, MH+ 2587.3632, m/z 647.5963
L OS G32 P160811 220811-s1.05021.05021.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



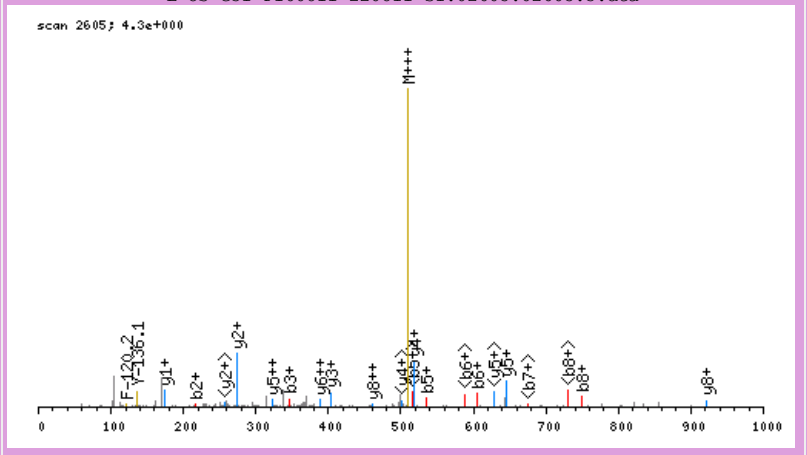
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
217.1188	2	T	23	2472.2999	1236.6539
288.1559	3	A	22	2371.2523	1186.1300
385.2087	4	P	21	2300.2151	1150.6115
484.2771	5	V	20	2203.1624	1102.0851
555.3142	6	A	19	2104.0940	1052.5509
642.3462	7	S	18	2033.0568	1017.0323
755.4303	8	I	17	1946.0248	973.5163
892.4892	9	H	16	1832.9408	916.9743
989.5420	10	P	15	1695.8818	848.4448
1086.5947	11	P	14	1598.8291	799.9185
1214.6533	12	Q	13	1501.7763	751.3921
1327.7374	13	L	12	1373.7177	687.3628
1428.7851	14	T	11	1260.6337	630.8207
1527.8535	15	V	10	1159.5860	580.2969
1655.9121	16	Q	9	1060.5176	530.7627
1752.9648	17	P	8	932.4590	466.7334
1809.9863	18	G	7	835.4062	418.2070
1938.0449	19	Q	6	778.3848	389.6963
2066.1034	20	Q	5	650.3262	325.6670
2137.1406	21	A	4	522.2676	261.6377
2266.1831	22	E	3	451.2305	226.1192
2413.2516	23	F	2	322.1879	161.5979
	24	R	1	175.1195	88.0637

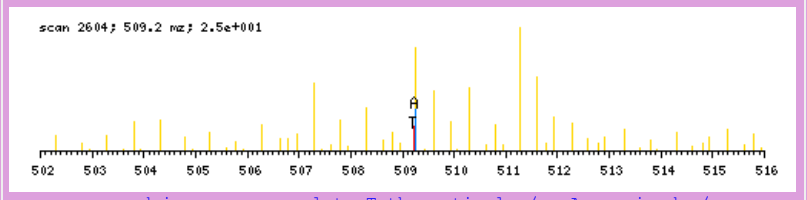
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STESTASGMQDEVR, MH+ 1525.6804, m/z 509.2317
L OS G31 P160811 220811-s1.02605.02605.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



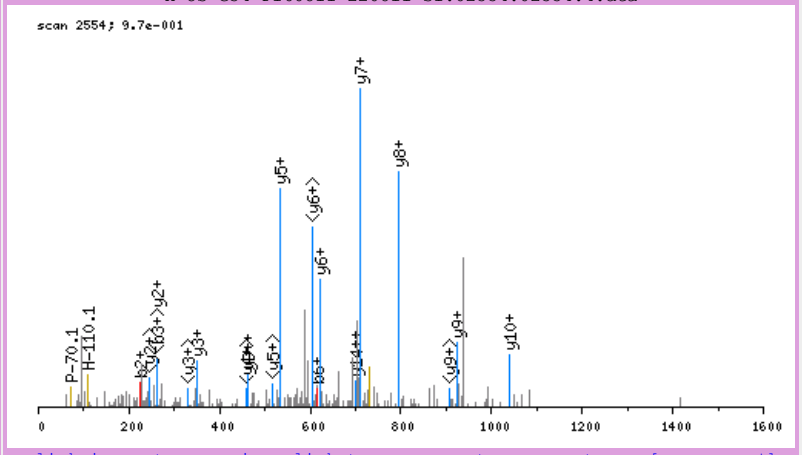
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
217.1188	2	T	13	1410.6171	705.8125
346.1614	3	E	12	1309.5694	655.2886
433.1934	4	S	11	1180.5268	590.7673
534.2411	5	T	10	1093.4948	547.2513
605.2782	6	A	9	992.4471	496.7275
692.3102	7	S	8	**921.4100**	**461.2089**
749.3317	8	G	7	834.3780	417.6929
880.3722	9	M	6	777.3565	**389.1822**
1008.4308	10	Q	5	**646.3160**	**323.6619**
1123.4577	11	D	4	**518.2575**	259.6326
1252.5003	12	E	3	**403.2305**	202.1192
1351.5687	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	88.0637

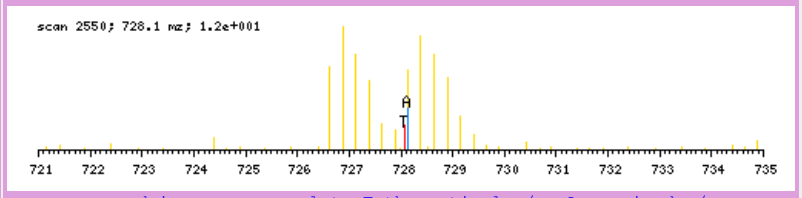
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

STGFGEHGSSSHPLPSSGQNESSSGQSSR, MH+ 2909.3110, m/z 728.0832
H OS G34 P160811 220811-s1.02554.02554.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



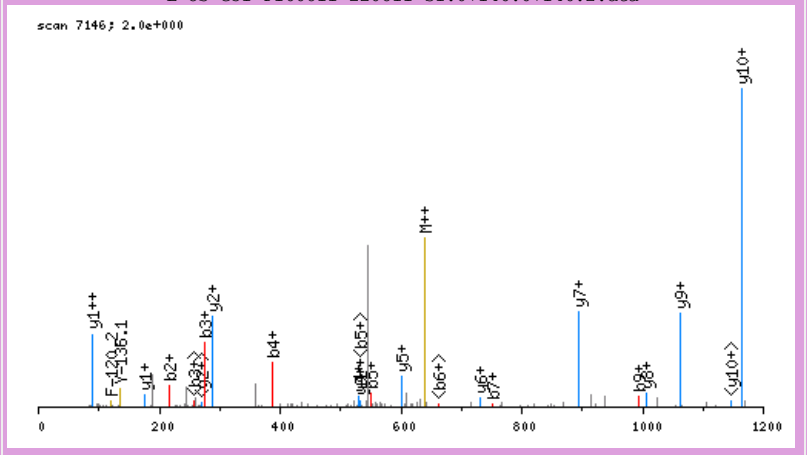
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	29		
223.1506	2	T	28	2788.2159	1394.6119
280.1721	3	G	27	2687.1682	1344.0880
427.2405	4	F	26	2630.1467	1315.5773
484.2619	5	G	25	2483.0783	1242.0431
613.3045	6	E	24	2426.0569	1213.5323
750.3635	7	H	23	2297.0143	1149.0110
807.3849	8	G	22	2159.9554	1080.4816
894.4169	9	S	21	2102.9339	1051.9709
981.4490	10	S	20	2015.9019	1008.4548
1068.4810	11	S	19	1928.8698	964.9388
1205.5399	12	H	18	1841.8378	921.4228
1302.5927	13	P	17	1704.7789	852.8934
1415.6767	14	L	16	1607.7261	804.3670
1512.7295	15	P	15	1494.6421	747.8249
1599.7615	16	S	14	1397.5893	**699.2986**
1686.7936	17	S	13	1310.5573	655.7825
1743.8150	18	G	12	1223.5252	612.2665
1871.8736	19	Q	11	1166.5038	583.7558
1985.9165	20	N	10	**1038.4452**	519.7265
2114.9591	21	E	9	**924.4023**	**462.7051**
2201.9912	22	S	8	**795.3597**	398.1838
2289.0232	23	S	7	**708.3277**	354.6677
2376.0552	24	S	6	**621.2956**	311.1517
2433.0767	25	G	5	**534.2636**	267.6357
2561.1353	26	Q	4	477.2421	239.1250
2648.1673	27	S	3	**349.1836**	175.0957
2735.1993	28	S	2	**262.1515**	131.5797
	29	R	1	175.1195	88.0637

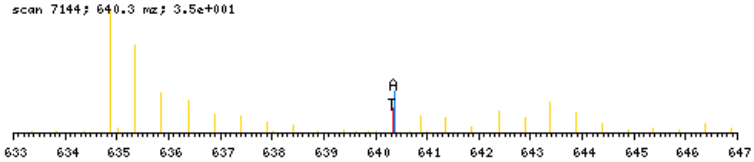
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STGIYEALELR, MH+ 1279.6898, m/z 640.3485
L OS G31 P160811 220811-s1.07146.07146.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



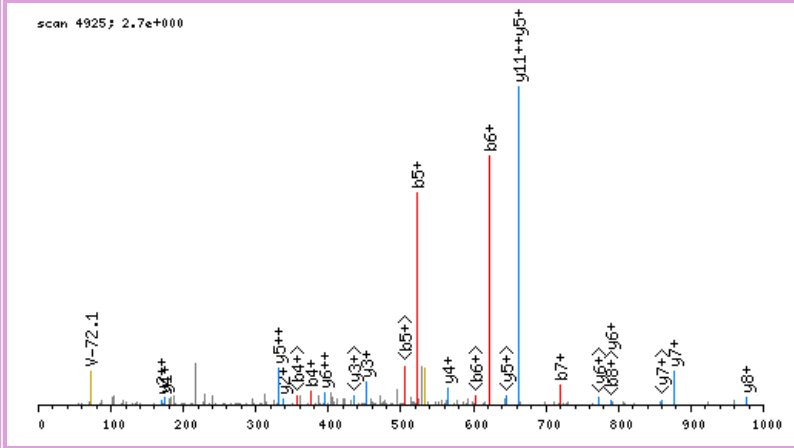
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
217.1188	2	T	10	1164.6265	582.8171
274.1403	3	G	9	1063.5788	532.2933
387.2243	4	I	8	1006.5573	503.7826
550.2877	5	Y	7	893.4733	447.2405
679.3303	6	E	6	730.4099	365.7089
750.3674	7	A	5	601.3673	301.1876
863.4514	8	L	4	530.3302	265.6690
992.4940	9	E	3	417.2462	209.1270
1105.5781	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

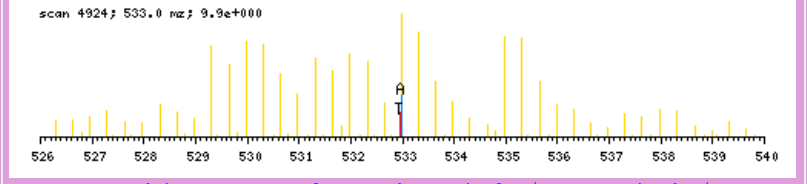
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STGTFVVSQPLNYR, MH+ 1596.8386, m/z 532.9510
L OS G30 P160811 220811-s1.04925.04925.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



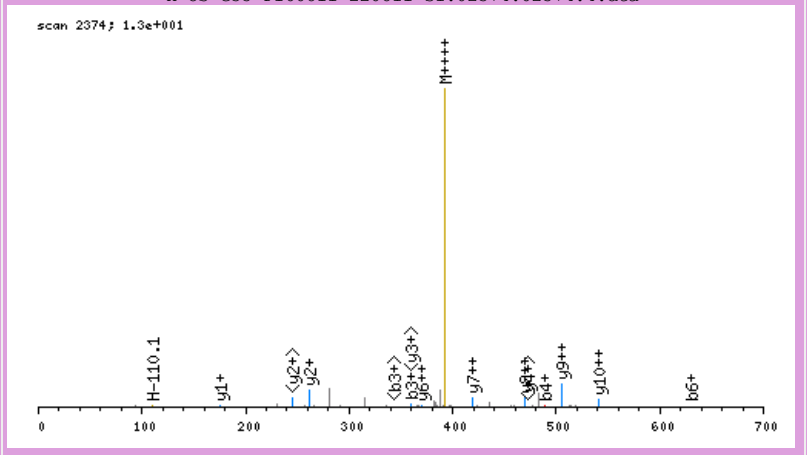
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
217.1188	2	T	13	1481.7753	741.3915
274.1403	3	G	12	1380.7276	690.8677
375.1879	4	T	11	1323.7061	**662.3570**
522.2564	5	F	10	1222.6584	611.8331
621.3248	6	V	9	1075.5900	538.2989
720.3932	7	V	8	**976.5216**	488.7647
807.4252	8	S	7	**877.4532**	439.2305
935.4838	9	Q	6	**790.4212**	**395.7145**
1032.5366	10	P	5	**662.3626**	**331.6852**
1145.6206	11	L	4	**565.3098**	283.1588
1259.6636	12	N	3	**452.2258**	226.6168
1422.7269	13	Y	2	**338.1828**	**169.5953**
	14	R	1	**175.1195**	88.0637

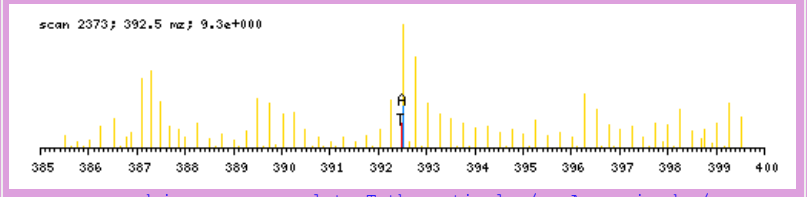
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STHQAAVVSKIDSR, MH+ 1566.9240, m/z 392.4865
H OS G35 P160811 220811-s1.02374.02374.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



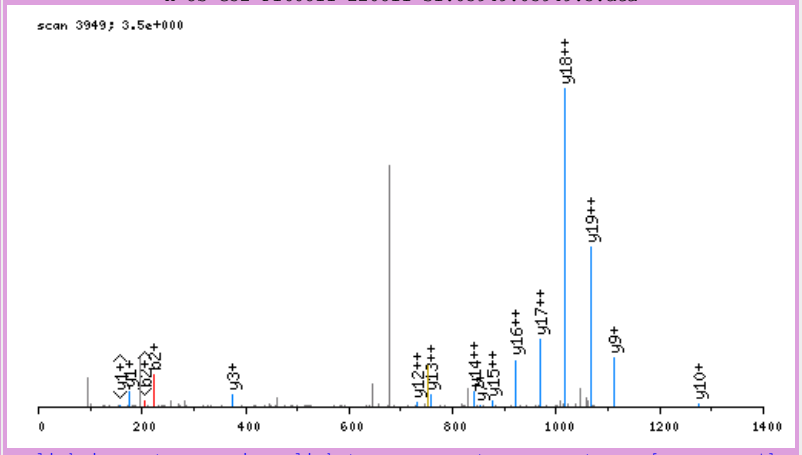
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
223.1506	2	T	13	1445.8289	723.4184
360.2095	3	H	12	1344.7812	672.8945
488.2681	4	Q	11	1207.7223	604.3651
559.3052	5	A	10	1079.6637	**540.3358**
630.3423	6	A	9	1008.6266	**504.8172**
729.4107	7	V	8	937.5895	**469.2987**
828.4792	8	V	7	838.5211	**419.7645**
915.5112	9	S	6	739.4527	**370.2302**
1077.6693	10	K	5	652.4206	326.7142
1190.7533	11	I	4	490.2625	245.6352
1305.7803	12	D	3	377.1785	189.0931
1392.8123	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

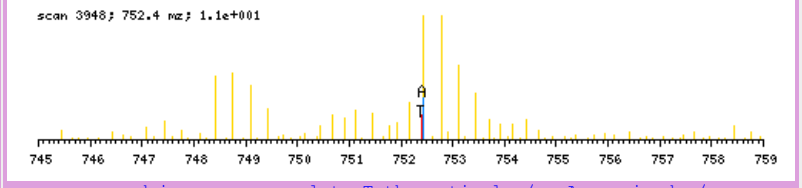
N-term:+35.07 K(10):+162.16

STPPSAYGSVKPYTNFDAER, MH+ 2255.1620, m/z 752.3922
H OS G32 P160811 220811-s1.03949.03949.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



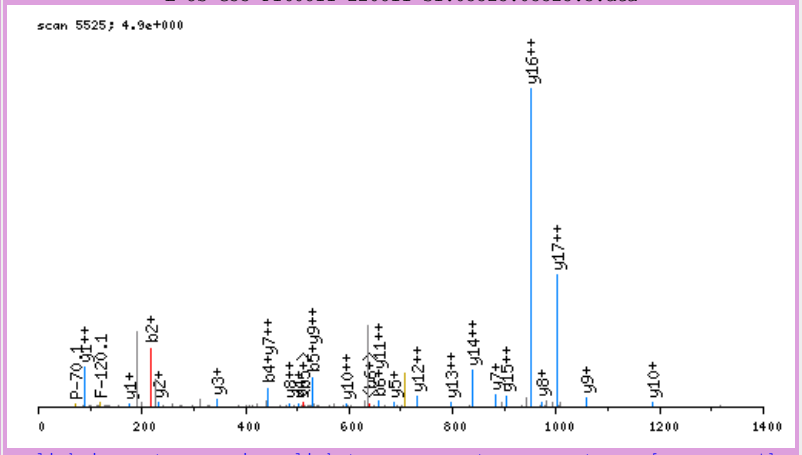
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
223.1506	2	T	19	2134.0669	**1067.5374**
320.2034	3	P	18	2033.0193	**1017.0135**
417.2561	4	P	17	1935.9665	**968.4872**
504.2882	5	S	16	1838.9137	**919.9608**
575.3253	6	A	15	1751.8817	**876.4448**
738.3886	7	Y	14	1680.8446	**840.9262**
795.4101	8	G	13	1517.7813	**759.3945**
882.4421	9	S	12	1460.7598	**730.8838**
981.5105	10	V	11	1373.7278	687.3678
1143.6686	11	K	10	**1274.6594**	637.8336
1240.7214	12	P	9	**1112.5013**	556.7545
1403.7847	13	Y	8	1015.4485	508.2282
1504.8324	14	T	7	**852.3852**	426.6965
1618.8753	15	N	6	751.3375	376.1727
1765.9437	16	F	5	637.2946	319.1512
1880.9707	17	D	4	490.2262	245.6170
1952.0078	18	A	3	**375.1992**	188.1035
2081.0504	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

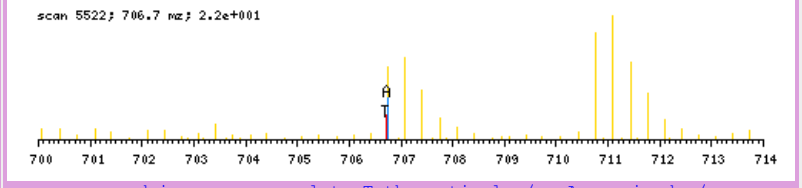
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

STPQSQFQESSPVWKLGR, MH+ 2118.0984, m/z 706.7043
L OS G33 P160811 220811-s1.05525.05525.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



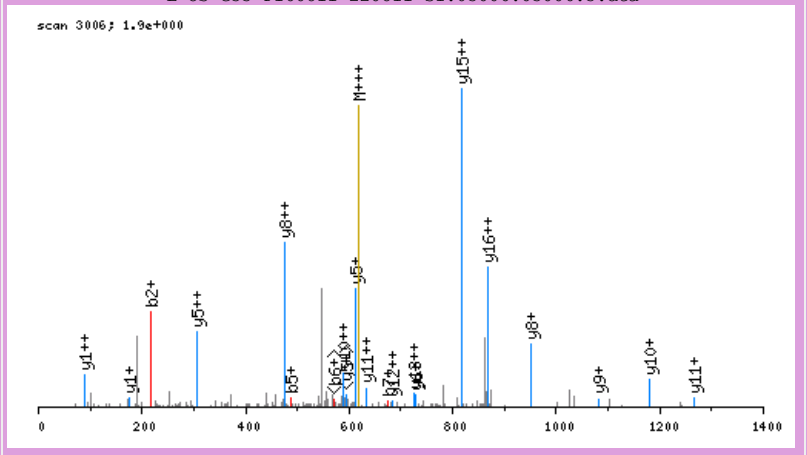
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
217.1188	2	T	17	2003.0351	**1002.0215**
314.1716	3	P	16	1901.9874	**951.4976**
442.2301	4	Q	15	1804.9346	**902.9712**
529.2622	5	S	14	1676.8761	**838.9419**
657.3208	6	Q	13	1589.8440	**795.4259**
804.3892	7	F	12	1461.7855	**731.3966**
932.4477	8	Q	11	1314.7170	**657.8624**
1061.4903	9	E	10	**1186.6585**	**593.8331**
1148.5224	10	S	9	**1057.6159**	**529.3119**
1235.5544	11	S	8	**970.5838**	**485.7958**
1332.6072	12	P	7	**883.5518**	**442.2798**
1431.6756	13	V	6	786.4991	393.7534
1617.7549	14	W	5	**687.4306**	344.2192
1773.8812	15	K	4	**501.3513**	251.1796
1886.9653	16	L	3	**345.2250**	173.1164
1943.9867	17	G	2	**232.1410**	116.5744
	18	R	1	**175.1195**	**88.0637**

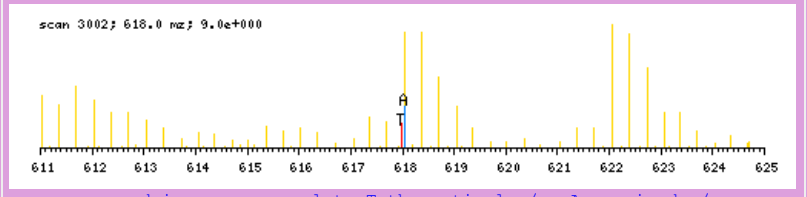
N-term:+29.04 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STPSSVSPEPQDPAKLR, MH+ 1851.9816, m/z 617.9987
L OS G33 P160811 220811-s1.03006.03006.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

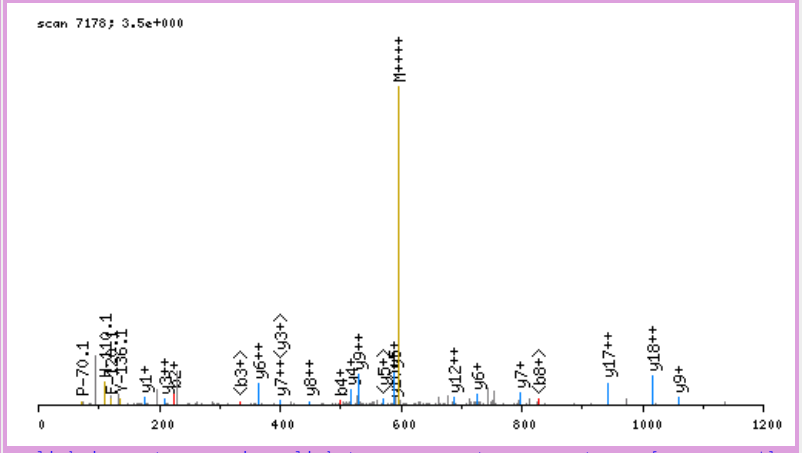


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

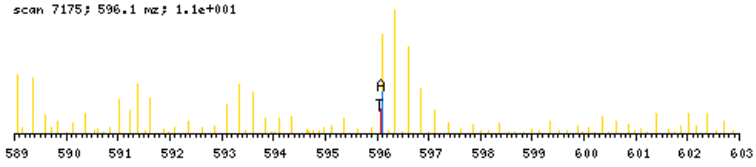
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
217.1188	2	T	16	1736.9183	**868.9631**
314.1716	3	P	15	1635.8706	**818.4392**
401.2036	4	S	14	1538.8179	769.9129
488.2356	5	S	13	1451.7859	**726.3968**
587.3040	6	V	12	1364.7538	**682.8808**
674.3361	7	S	11	**1265.6854**	**633.3466**
771.3888	8	P	10	**1178.6534**	**589.8306**
900.4314	9	E	9	**1081.6006**	541.3042
997.4842	10	P	8	**952.5580**	**476.7829**
1125.5428	11	Q	7	855.5053	428.2565
1240.5697	12	D	6	**727.4467**	364.2273
1337.6225	13	P	5	**612.4197**	**306.7138**
1408.6596	14	A	4	515.3670	258.1874
1564.7859	15	K	3	444.3299	222.6688
1677.8700	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	**88.0637**

N-term:+29.04 K(15):+156.13

STQFGGYAKEADYVAHATQLR, MH+ 2381.2526, m/z 596.0686
H OS G34 P160811 220811-s1.07178.07178.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

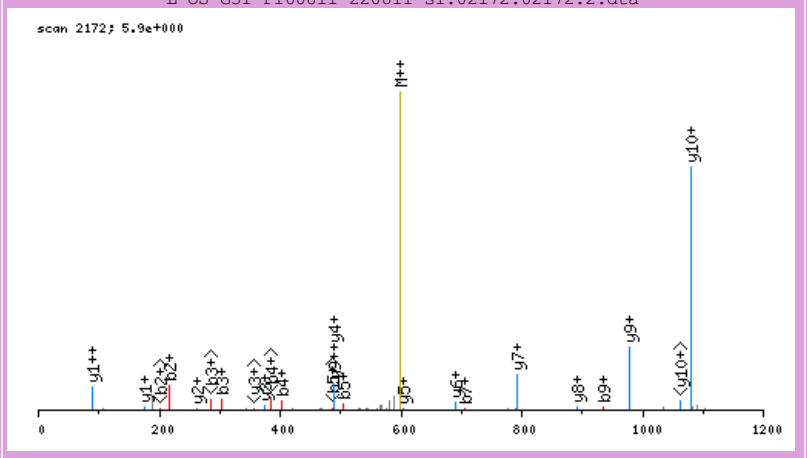
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
223.1506	2	T	20	2260.1575	1130.5827
351.2092	3	Q	19	2159.1098	1080.0588
498.2776	4	F	18	2031.0512	**1016.0295**
555.2991	5	G	17	1883.9828	**942.4953**
612.3205	6	G	16	1826.9614	913.9846
775.3839	7	Y	15	1769.9399	885.4739
846.4210	8	A	14	1606.8766	803.9422
1008.5791	9	K	13	1535.8395	768.4236
1137.6217	10	E	12	1373.6814	**687.3446**
1208.6588	11	A	11	1244.6388	622.8233
1323.6857	12	D	10	1173.6016	**587.3047**
1486.7490	13	Y	9	**1058.5747**	**529.7913**
1585.8175	14	V	8	895.5114	**448.2596**
1656.8546	15	A	7	**796.4430**	**398.7254**
1793.9135	16	H	6	**725.4058**	**363.2068**
1864.9506	17	A	5	**588.3469**	294.6774
1965.9983	18	T	4	**517.3098**	259.1588
2094.0569	19	Q	3	416.2621	**208.6350**
2207.1409	20	L	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

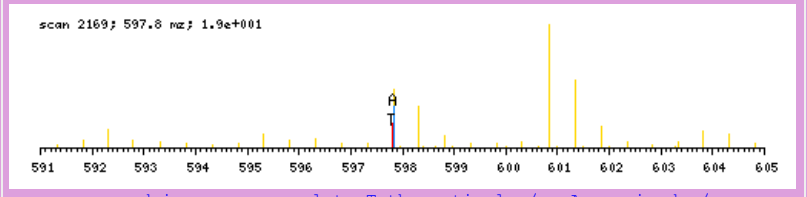
N-term:+35.07 K(9):+162.16

STSVTSDNLSR, MH+ 1194.5966, m/z 597.8019
L OS G31 P160811 220811-s1.02172.02172.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



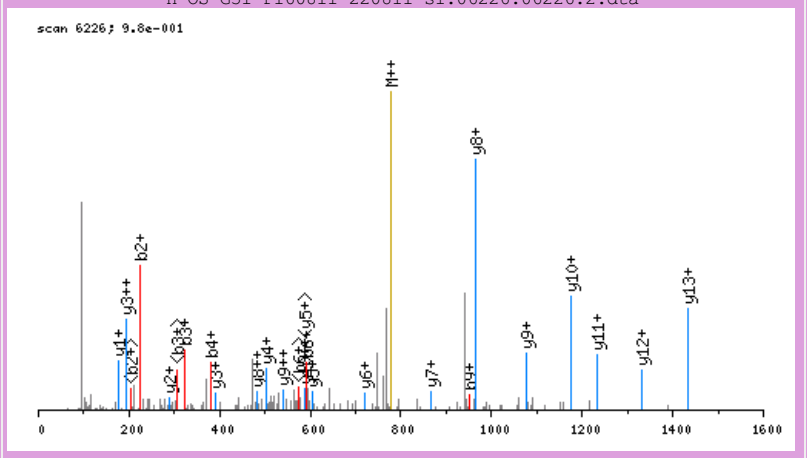
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
217.1188	2	T	10	1079.5333	540.2706
304.1508	3	S	9	978.4856	489.7467
403.2192	4	V	8	891.4536	446.2307
504.2669	5	T	7	792.3852	396.6965
591.2990	6	S	6	691.3375	346.1727
706.3259	7	D	5	604.3055	302.6566
820.3688	8	N	4	489.2785	245.1432
933.4529	9	L	3	375.2356	188.1217
1020.4849	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

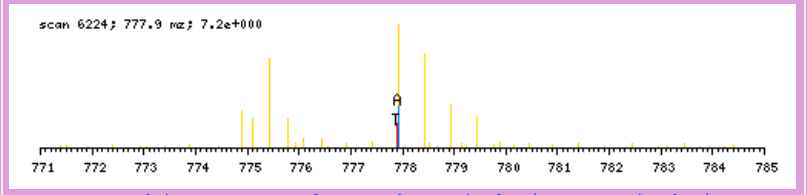
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

STTGPNPFNTLTDR, MH+ 1554.7976, m/z 777.9024
H OS G31 P160811 220811-s1.06226.06226.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



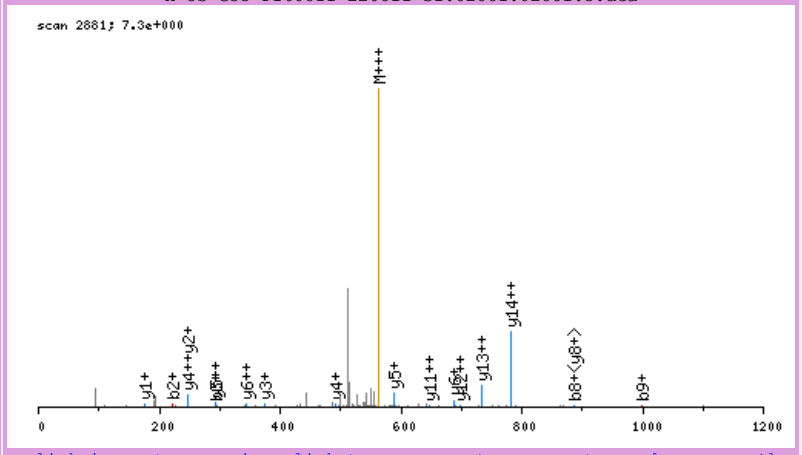
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
223.1506	2	T	13	1433.7025	717.3552
324.1983	3	T	12	1332.6548	666.8313
381.2197	4	G	11	1231.6071	616.3075
478.2725	5	P	10	1174.5857	587.7967
592.3154	6	N	9	1077.5329	539.2704
689.3682	7	P	8	963.4900	482.2489
836.4366	8	F	7	866.4372	433.7225
950.4795	9	N	6	719.3688	360.1883
1051.5272	10	T	5	605.3259	303.1668
1164.6113	11	L	4	504.2782	252.6430
1265.6590	12	T	3	391.1941	196.1010
1380.6859	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

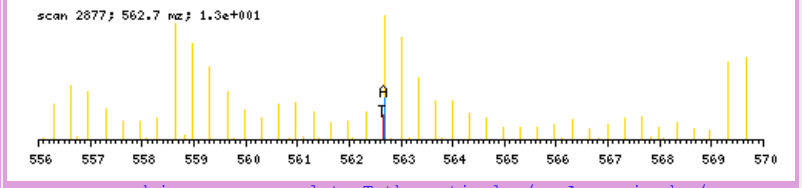
N-term:+35.07

SVAVKCATITPDEAR, MH+ 1685.9532, m/z 562.6559
H OS G33 P160811 220811-s1.02881.02881.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



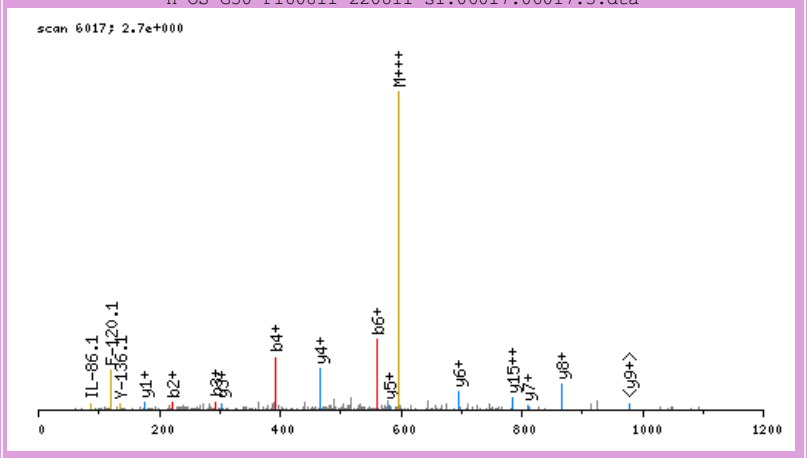
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
221.1713	2	V	14	1564.8581	**782.9330**
292.2085	3	A	13	1465.7897	**733.3988**
391.2769	4	V	12	1394.7526	**697.8802**
553.4350	5	K	11	1295.6841	**648.3460**
713.4656	6	C	10	1133.5260	567.2669
784.5027	7	A	9	973.4954	487.2516
885.5504	8	T	8	902.4583	451.7331
998.6344	9	I	7	801.4107	401.2092
1099.6821	10	T	6	**688.3266**	**344.6672**
1196.7349	11	P	5	**587.2789**	**294.1434**
1311.7618	12	D	4	**490.2262**	**245.6170**
1440.8044	13	E	3	**375.1992**	188.1035
1511.8415	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

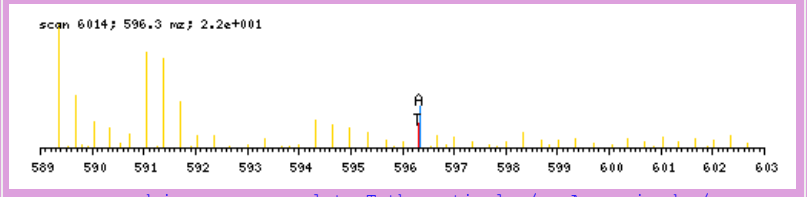
N-term:+35.07 K(5):+162.16
C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SVAVPAFSQGLDDYGAR, MH+ 1786.9188, m/z 596.3111
H OS G30 P160811 220811-s1.06017.06017.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



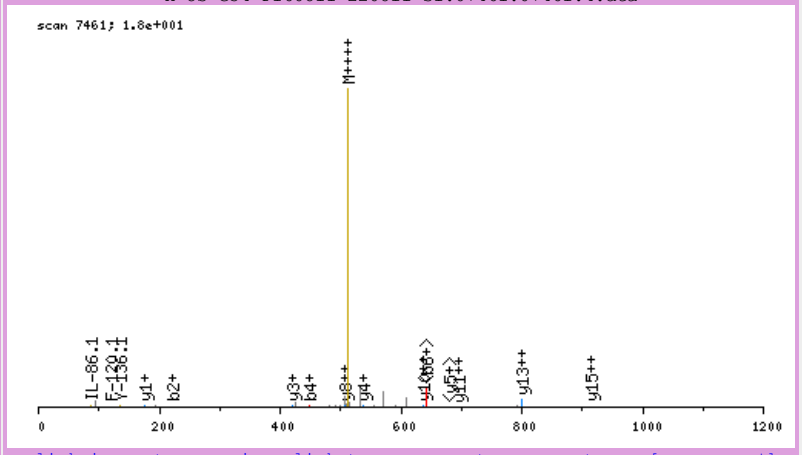
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
221.1713	2	V	16	1665.8237	833.4157
292.2085	3	A	15	1566.7552	**783.8815**
391.2769	4	V	14	1495.7181	748.3630
488.3296	5	P	13	1396.6497	698.8288
559.3667	6	A	12	1299.5970	650.3024
706.4352	7	F	11	1228.5598	614.7838
793.4672	8	S	10	1081.4914	541.2496
921.5258	9	Q	9	994.4594	497.7336
978.5472	10	G	8	**866.4008**	433.7043
1091.6313	11	L	7	**809.3794**	405.1936
1206.6582	12	D	6	**696.2953**	348.6516
1321.6852	13	D	5	**581.2683**	291.1381
1484.7485	14	Y	4	**466.2414**	233.6246
1541.7700	15	G	3	**303.1781**	152.0930
1612.8071	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

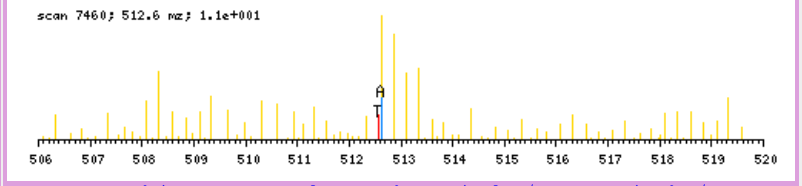
N-term:+35.07

SVDIPLDKTVVNKDVFR, MH+ 2047.2652, m/z 512.5718
H OS G34 P160811 220811-s1.07461.07461.4.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]

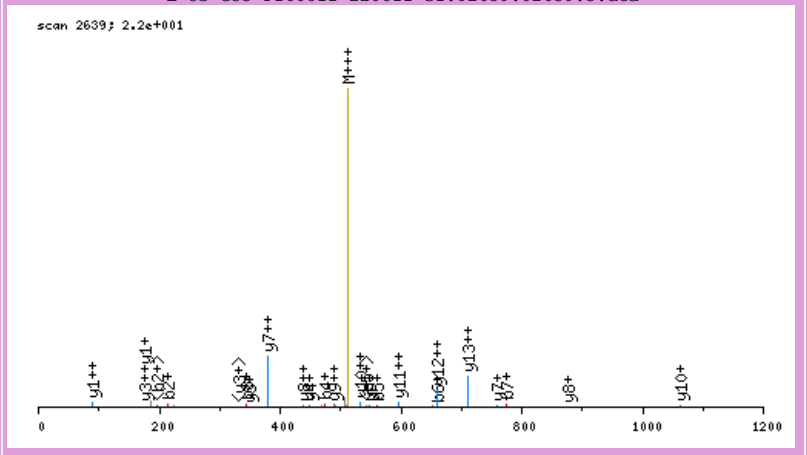


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

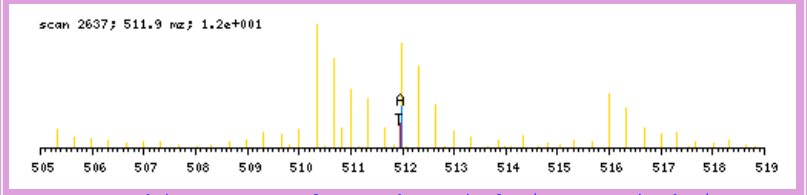
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
221.1713	2	V	16	1926.1701	963.5890
336.1983	3	D	15	1827.1017	**914.0548**
449.2823	4	I	14	1712.0747	856.5413
546.3351	5	P	13	1598.9907	**799.9993**
659.4192	6	L	12	1501.9379	751.4729
774.4461	7	D	11	1388.8538	**694.9308**
936.6042	8	K	10	1273.8269	**637.4174**
1037.6519	9	T	9	1111.6688	556.3383
1136.7203	10	V	8	1010.6211	**505.8145**
1235.7887	11	V	7	911.5527	456.2803
1349.8317	12	N	6	812.4843	406.7461
1511.9898	13	K	5	698.4414	349.7246
1627.0167	14	D	4	**536.2833**	268.6455
1726.0851	15	V	3	**421.2563**	211.1321
1873.1535	16	F	2	322.1879	161.5979
	17	R	1	**175.1195**	88.0637

N-term:+35.07 K(8):+162.16
K(13):+162.16

SVEESVDGKVVSSR, MH+ 1533.8124, m/z 511.9423
L OS G33 P160811 220811-s1.02639.02639.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

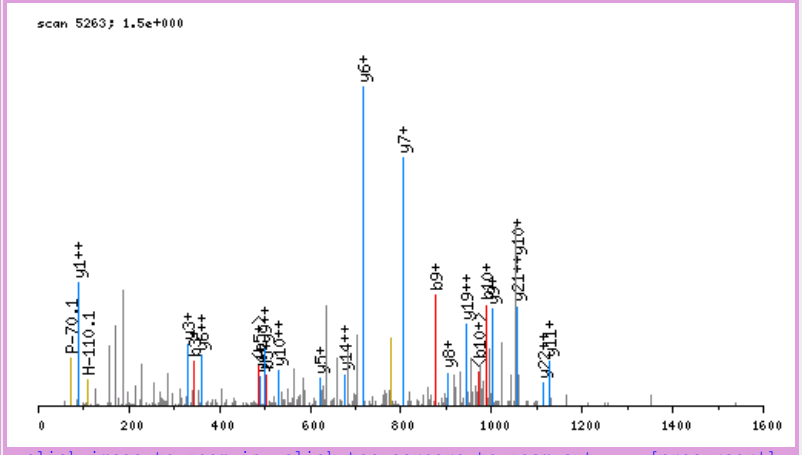
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
215.1395	2	V	13	1418.7491	709.8785
344.1821	3	E	12	1319.6807	660.3443
473.2247	4	E	11	1190.6381	595.8230
560.2568	5	S	10	1061.5955	531.3017
659.3252	6	V	9	974.5635	487.7857
774.3521	7	D	8	875.4951	438.2515
831.3736	8	G	7	760.4681	380.7380
987.4999	9	K	6	703.4467	352.2273
1086.5683	10	V	5	547.3204	274.1641
1185.6367	11	V	4	448.2520	224.6299
1272.6687	12	S	3	349.1836	175.0957
1359.7008	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

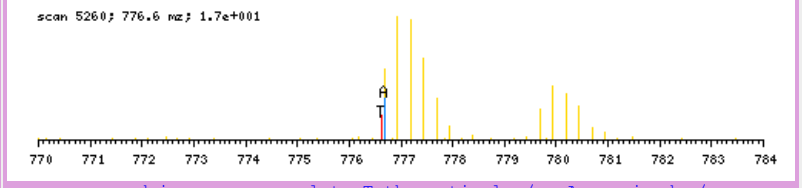
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVESASGETLHSPKVGQPGAAGPVSPMCPGR, MH+ 3103.5304, m/z 776.6381
L OS G34 P160811 220811-s1.05263.05263.4.dta



click image to zoom in; click top corners to zoom out [precursor]



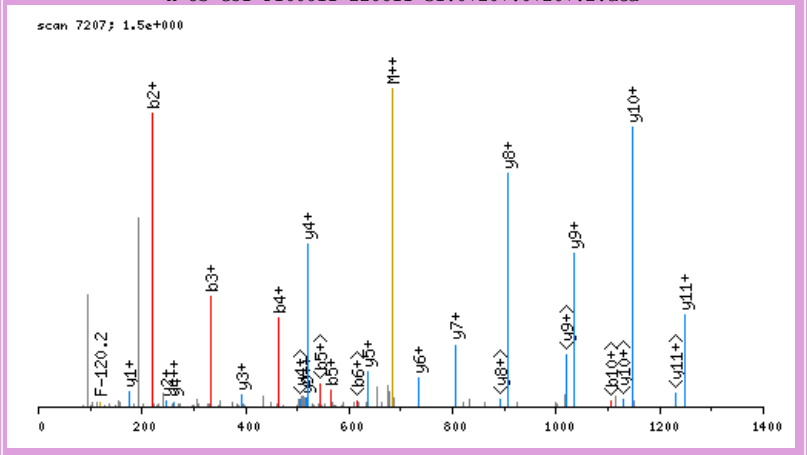
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	31		
215.1395	2	V	30	2988.4671	1494.7375
344.1821	3	E	29	2889.3987	1445.2033
431.2142	4	S	28	2760.3561	1380.6820
502.2513	5	A	27	2673.3241	1337.1660
589.2833	6	S	26	2602.2870	1301.6474
646.3048	7	G	25	2515.2550	1258.1314
775.3474	8	E	24	2458.2335	1229.6207
876.3950	9	T	23	2329.1909	1165.0994
989.4791	10	L	22	2228.1432	**1114.5755**
1126.5380	11	H	21	2115.0592	**1058.0335**
1213.5700	12	S	20	1978.0002	989.5040
1310.6228	13	P	19	1890.9682	**945.9880**
1466.7491	14	K	18	1793.9155	897.4616
1565.8175	15	V	17	1637.7892	819.3985
1622.8390	16	G	16	1538.7207	769.8643
1750.8976	17	Q	15	1481.6993	741.3536
1847.9503	18	P	14	1353.6407	**677.3243**
1904.9718	19	G	13	1256.5879	628.7979
1976.0089	20	A	12	1199.5665	600.2871
2047.0460	21	A	11	**1128.5294**	564.7686
2104.0675	22	G	10	**1057.4922**	**529.2500**
2201.1202	23	P	9	**1000.4708**	**500.7393**
2300.1887	24	V	8	**903.4180**	452.2129
2387.2207	25	S	7	**804.3496**	402.6787
2484.2735	26	P	6	**717.3176**	**359.1627**
2615.3139	27	M	5	**620.2648**	310.6363
2775.3445	28	C	4	**489.2243**	245.1161
2872.3973	29	P	3	**329.1937**	165.1008
2929.4188	30	G	2	232.1410	116.5744
	31	R	1	175.1195	**88.0637**

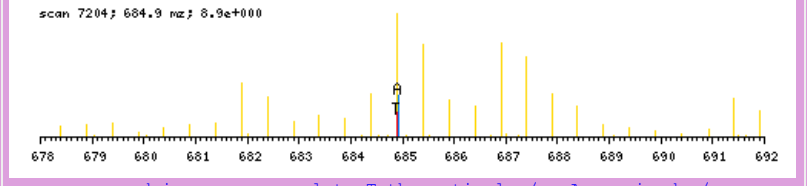
N-term:+29.04 K(14):+156.13
C(28):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVIQTAVDQFAR, MH+ 1368.7699, m/z 684.8886
H OS G31 P160811 220811-s1.07207.07207.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



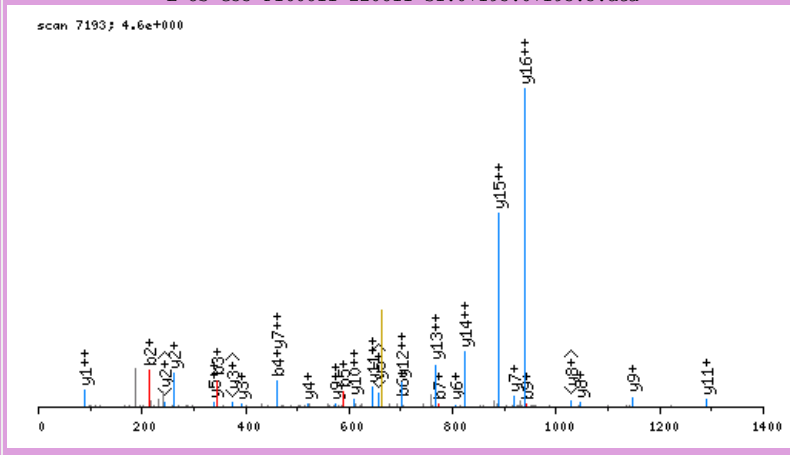
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
221.1713	2	V	11	1247.6748	624.3413
334.2554	3	I	10	1148.6064	574.8071
462.3140	4	Q	9	1035.5223	518.2651
563.3617	5	T	8	907.4638	454.2358
634.3988	6	A	7	806.4161	403.7120
733.4672	7	V	6	735.3790	368.1934
848.4941	8	D	5	636.3105	318.6592
976.5527	9	Q	4	521.2836	261.1457
1123.6211	10	F	3	393.2250	197.1164
1194.6582	11	A	2	246.1566	123.5822
	12	R	1	175.1195	88.0637

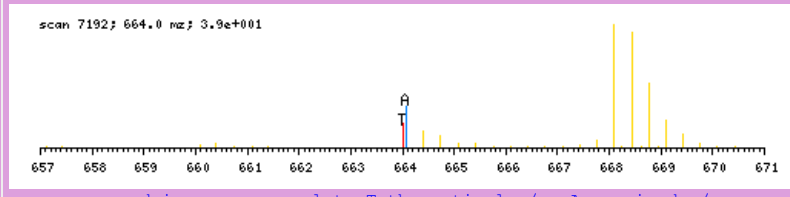
N-term:+35.07

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

SVMLQIAATELEKEESR, MH+ 1990.0531, m/z 664.0225
L OS G33 P160811 220811-s1.07193.07193.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



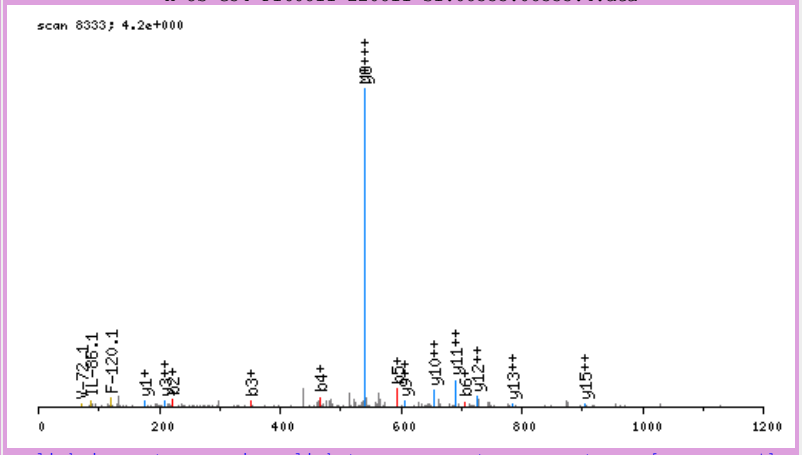
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
215.1395	2	V	16	1874.9898	937.9988
346.1800	3	M	15	1775.9214	888.4646
459.2641	4	L	14	1644.8809	822.9444
587.3227	5	Q	13	1531.7968	766.4023
700.4067	6	I	12	1403.7382	702.3730
771.4438	7	A	11	1290.6542	645.8310
842.4810	8	A	10	1219.6171	610.3124
943.5286	9	T	9	1148.5799	574.7939
1072.5712	10	E	8	1047.5323	524.2700
1185.6553	11	L	7	918.4897	459.7487
1314.6979	12	E	6	805.4056	403.2067
1470.8242	13	K	5	676.3630	338.6854
1599.8668	14	E	4	520.2367	260.6223
1728.9094	15	E	3	391.1941	196.1010
1815.9414	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

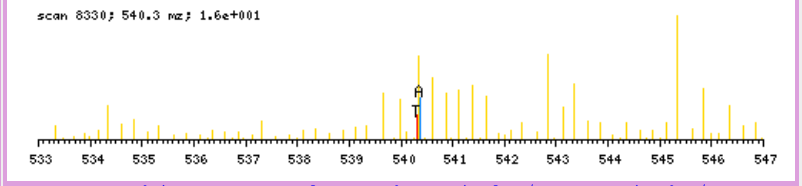
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SVMLQIAATELEKEESRR, MH+ 2158.2178, m/z 540.3099
H OS G34 P160811 220811-s1.08333.08333.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



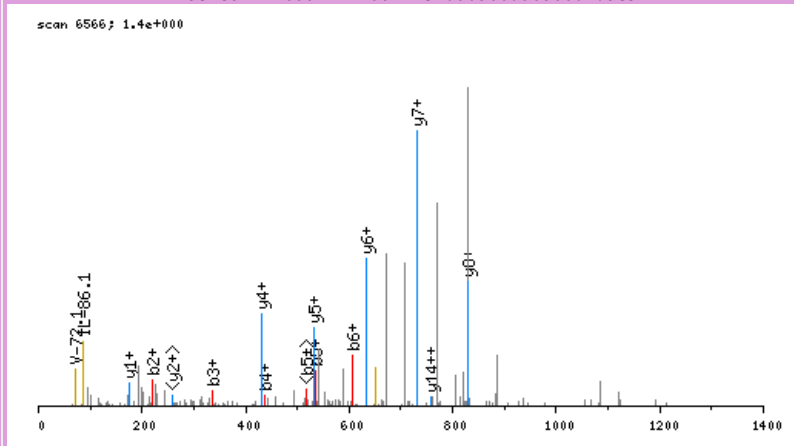
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	18		
221.1713	2	V	17	2037.1227	1019.0653
352.2118	3	M	16	1938.0543	969.5310
465.2959	4	L	15	1807.0138	**904.0108**
593.3545	5	Q	14	1693.9297	847.4688
706.4385	6	I	13	1565.8711	**783.4395**
777.4756	7	A	12	1452.7871	**726.8975**
848.5128	8	A	11	1381.7500	**691.3789**
949.5604	9	T	10	1310.7129	**655.8603**
1078.6030	10	E	9	1209.6652	**605.3365**
1191.6871	11	L	8	1080.6226	**540.8152**
1320.7297	12	E	7	967.5385	484.2732
1482.8878	13	K	6	838.4959	419.7519
1611.9304	14	E	5	676.3378	338.6728
1740.9730	15	E	4	547.2952	274.1515
1828.0050	16	S	3	418.2526	**209.6302**
1984.1061	17	R	2	331.2206	166.1142
	18	R	1	**175.1195**	88.0637

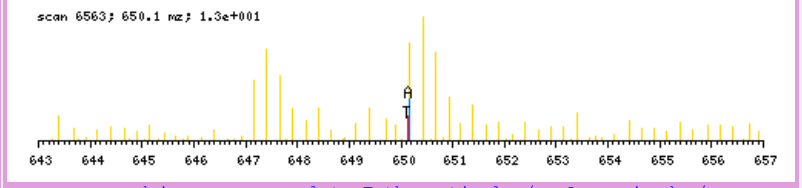
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVNTVANKTVEEAENIVVTTGVVR, MH+ 2597.4786, m/z 650.1251
H OS G32 P160811 220811-s1.06566.06566.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



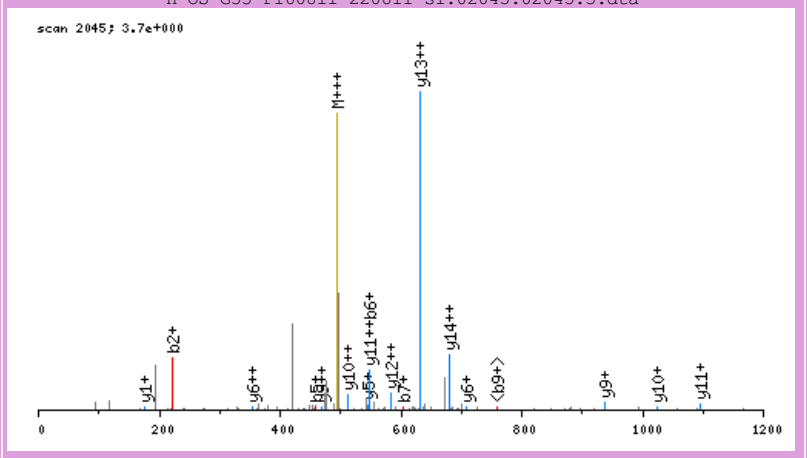
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	24		
221.1713	2	V	23	2476.3835	1238.6957
335.2143	3	N	22	2377.3151	1189.1615
436.2619	4	T	21	2263.2722	1132.1400
535.3304	5	V	20	2162.2245	1081.6162
606.3675	6	A	19	2063.1561	1032.0820
720.4104	7	N	18	1992.1190	996.5634
882.5685	8	K	17	1878.0761	939.5419
983.6162	9	T	16	1715.9180	858.4629
1082.6846	10	V	15	1614.8703	807.9391
1211.7272	11	E	14	1515.8019	**758.4048**
1340.7698	12	E	13	1386.7593	693.8835
1411.8069	13	A	12	1257.7167	629.3623
1540.8495	14	E	11	1186.6796	593.8437
1654.8924	15	N	10	1057.6370	529.3224
1767.9765	16	I	9	943.5940	472.3009
1867.0449	17	V	8	**830.5100**	415.7589
1966.1133	18	V	7	**731.4416**	366.2247
2067.1610	19	T	6	**632.3731**	316.6905
2168.2087	20	T	5	**531.3255**	266.1666
2225.2301	21	G	4	**430.2778**	215.6428
2324.2985	22	V	3	373.2563	187.1321
2423.3670	23	V	2	274.1879	137.5979
	24	R	1	**175.1195**	88.0637

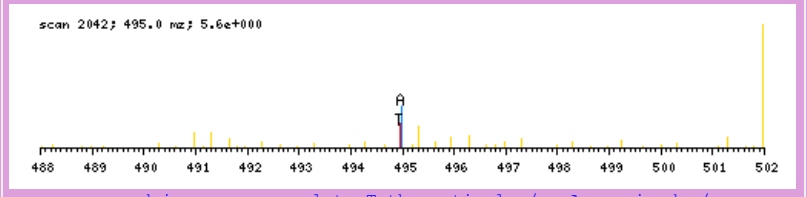
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVPAASGGDKEAVAR, MH+ 1482.8552, m/z 494.9566
H OS G33 P160811 220811-s1.02045.02045.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



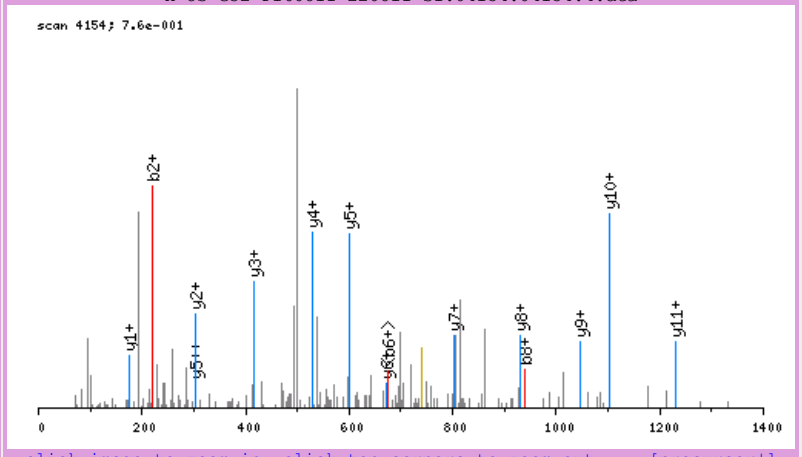
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
221.1713	2	V	14	1361.7601	681.3840
318.2241	3	P	13	1262.6917	631.8498
389.2612	4	A	12	1165.6390	583.3234
460.2983	5	A	11	1094.6018	547.8048
547.3304	6	S	10	1023.5647	512.2863
604.3518	7	G	9	936.5327	468.7703
661.3733	8	G	8	879.5112	440.2595
776.4002	9	D	7	822.4898	411.7488
938.5583	10	K	6	707.4628	354.2353
1067.6009	11	E	5	545.3047	273.1563
1138.6380	12	A	4	416.2621	208.6350
1237.7065	13	V	3	345.2250	173.1164
1308.7436	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

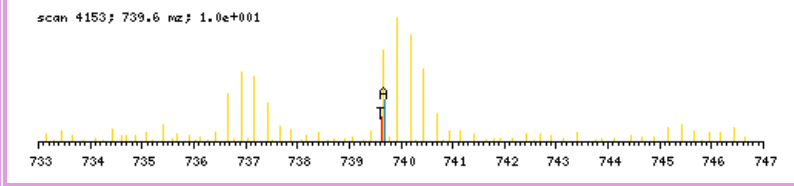
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SVPDEESKPASSNTQVEGDEEAALLER, MH+ 2955.4707, m/z 739.6231
H OS G32 P160811 220811-s1.04154.04154.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



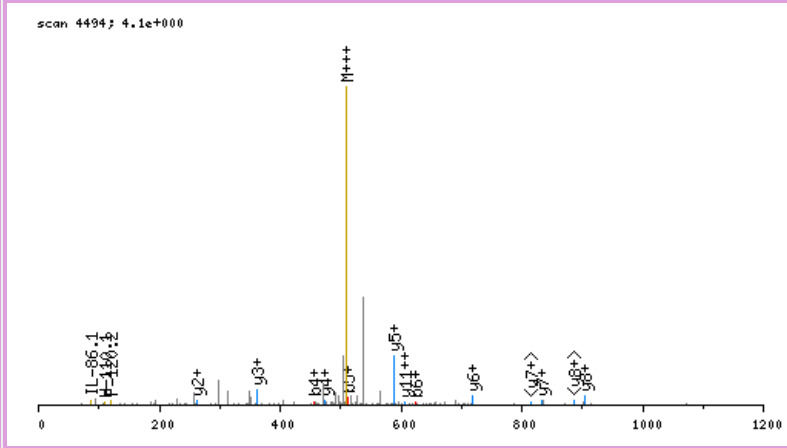
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	27		
221.1713	2	V	26	2834.3756	1417.6917
318.2241	3	P	25	2735.3072	1368.1575
433.2510	4	D	24	2638.2544	1319.6311
562.2936	5	E	23	2523.2275	1262.1177
691.3362	6	E	22	2394.1849	1197.5964
778.3683	7	S	21	2265.1423	1133.0751
940.5264	8	K	20	2178.1103	1089.5590
1037.5791	9	P	19	2015.9522	1008.4800
1108.6162	10	A	18	1918.8994	959.9536
1195.6483	11	S	17	1847.8623	924.4351
1282.6803	12	S	16	1760.8303	880.9190
1396.7232	13	N	15	1673.7982	837.4030
1497.7709	14	T	14	1559.7553	780.3816
1625.8295	15	Q	13	1458.7076	729.8577
1724.8979	16	V	12	1330.6490	665.8284
1853.9405	17	E	11	**1231.5806**	616.2942
1910.9620	18	G	10	**1102.5380**	551.7729
2025.9889	19	D	9	**1045.5166**	523.2622
2155.0315	20	E	8	**930.4896**	465.7487
2284.0741	21	E	7	**801.4470**	401.2274
2355.1112	22	A	6	**672.4044**	336.7061
2426.1483	23	A	5	**601.3673**	**301.1876**
2539.2324	24	L	4	**530.3302**	265.6690
2652.3164	25	L	3	**417.2462**	209.1270
2781.3590	26	E	2	**304.1621**	152.5850
	27	R	1	**175.1195**	88.0637

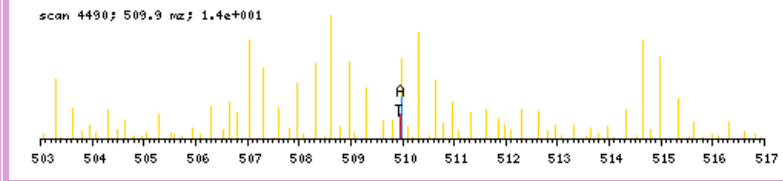
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVPHGIANEDIVSR, MH+ 1527.8343, m/z 509.9496
H OS G34 P160811 220811-s1.04494.04494.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



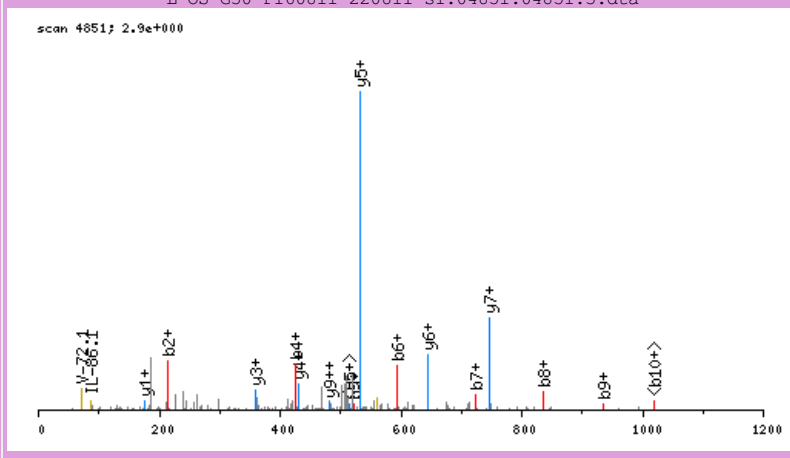
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
221.1713	2	V	13	1406.7392	703.8735
318.2241	3	P	12	1307.6708	654.3393
455.2830	4	H	11	1210.6180	**605.8129**
512.3045	5	G	10	1073.5591	537.2835
625.3885	6	I	9	1016.5376	508.7727
696.4257	7	A	8	**903.4536**	452.2307
810.4686	8	N	7	**832.4165**	416.7121
939.5112	9	E	6	**718.3735**	359.6907
1054.5381	10	D	5	**589.3310**	295.1694
1167.6222	11	I	4	**474.3040**	237.6559
1266.6906	12	V	3	**361.2199**	181.1139
1353.7226	13	S	2	**262.1515**	131.5797
	14	R	1	175.1195	88.0637

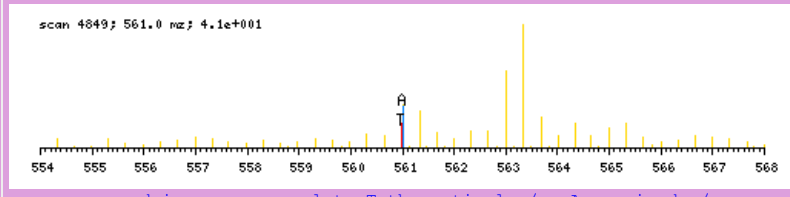
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVPLPAENVTITAGQR, MH+ 1680.9284, m/z 560.9810
L OS G30 P160811 220811-s1.04851.04851.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

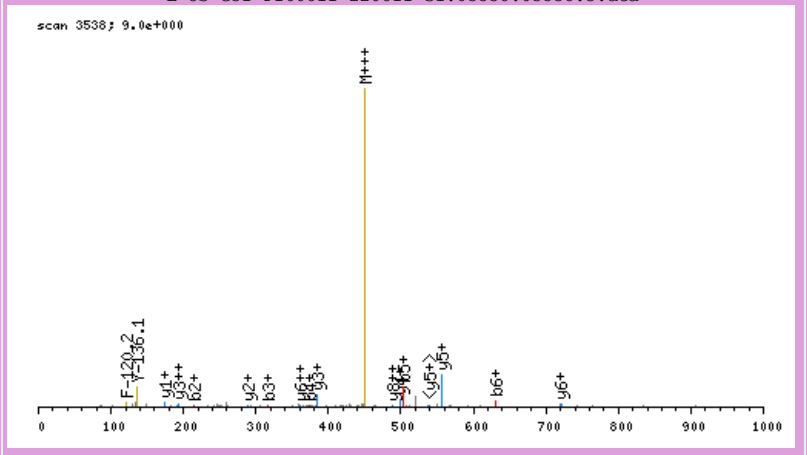


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

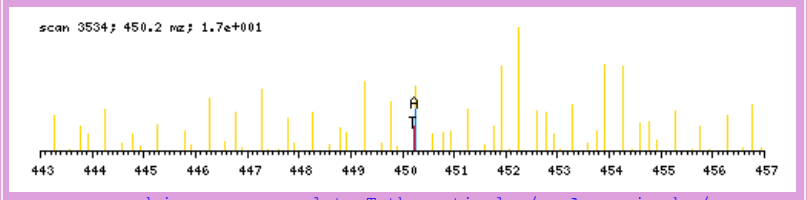
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
215.1395	2	V	15	1565.8651	783.4365
312.1923	3	P	14	1466.7967	733.9023
425.2764	4	L	13	1369.7440	685.3759
522.3291	5	P	12	1256.6599	628.8339
593.3662	6	A	11	1159.6071	580.3075
722.4088	7	E	10	1088.5700	544.7889
836.4518	8	N	9	959.5274	480.2676
935.5202	9	V	8	845.4845	423.2462
1036.5679	10	T	7	746.4161	373.7120
1149.6519	11	I	6	645.3684	323.1881
1250.6996	12	T	5	532.2843	266.6461
1321.7367	13	A	4	431.2367	216.1222
1378.7582	14	G	3	360.1995	180.6037
1506.8168	15	Q	2	303.1781	152.0930
	16	R	1	175.1195	88.0637

N-term:+29.04

SVTGEQYGNPIR, MH+ 1348.6861, m/z 450.2335
L OS G31 P160811 220811-s1.03538.03538.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

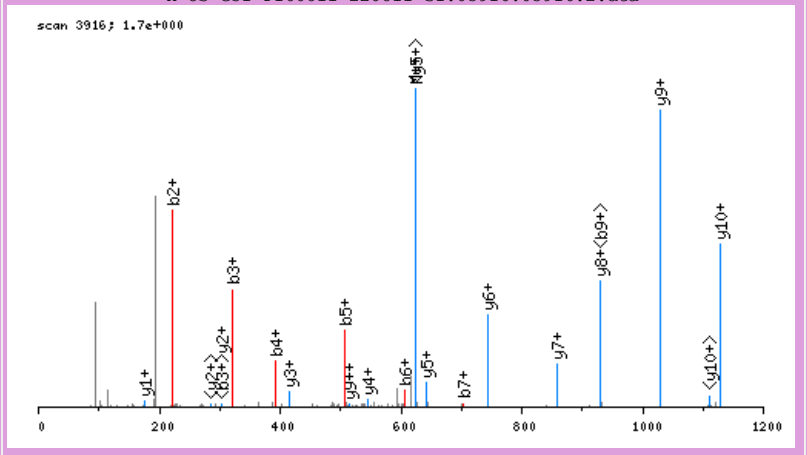
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
215.1395	2	V	11	1233.6228	617.3153
316.1872	3	T	10	1134.5544	567.7811
373.2087	4	G	9	1033.5067	517.2573
502.2513	5	E	8	976.4852	488.7465
630.3099	6	Q	7	847.4426	424.2252
793.3732	7	Y	6	719.3840	360.1959
850.3946	8	G	5	556.3207	278.6643
964.4376	9	N	4	499.2993	250.1535
1061.4903	10	P	3	385.2563	193.1321
1174.5744	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

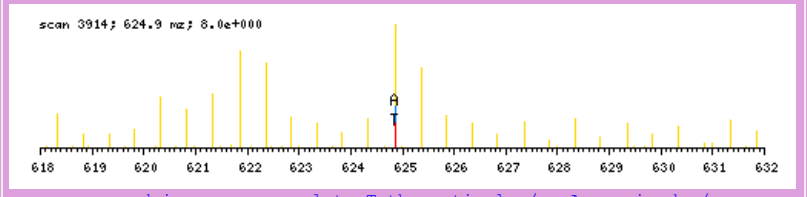
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVVADTPELQR, MH+ 1248.7012, m/z 624.8542
H OS G31 P160811 220811-s1.03916.03916.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



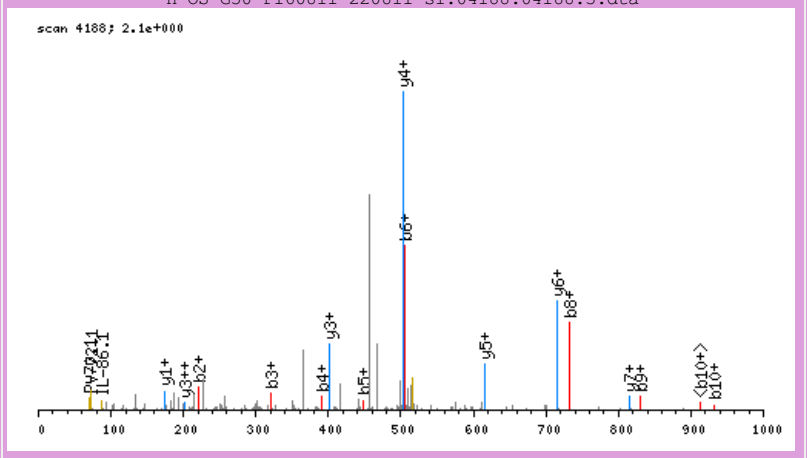
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
221.1713	2	V	10	1127.6061	564.3069
320.2398	3	V	9	1028.5376	514.7727
391.2769	4	A	8	929.4692	465.2385
506.3038	5	D	7	858.4321	429.7200
607.3515	6	T	6	743.4052	372.2065
704.4043	7	P	5	642.3575	321.6827
833.4468	8	E	4	545.3047	273.1563
946.5309	9	L	3	416.2621	208.6350
1074.5895	10	Q	2	303.1781	152.0930
	11	R	1	175.1195	88.0637

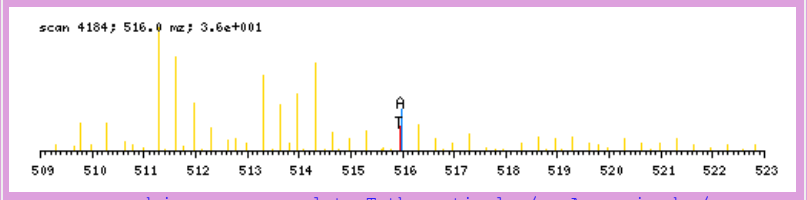
N-term:+35.07

SVVAGGPEVTLTPER, MH+ 1545.8700, m/z 515.9615
H OS G30 P160811 220811-s1.04188.04188.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ] [2+] [3+]
b [+] [2+] [3+]
c [ ] [2+] [3+]
x [ ] [2+] [3+]
y [+] [2+] [3+]
z [ ] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



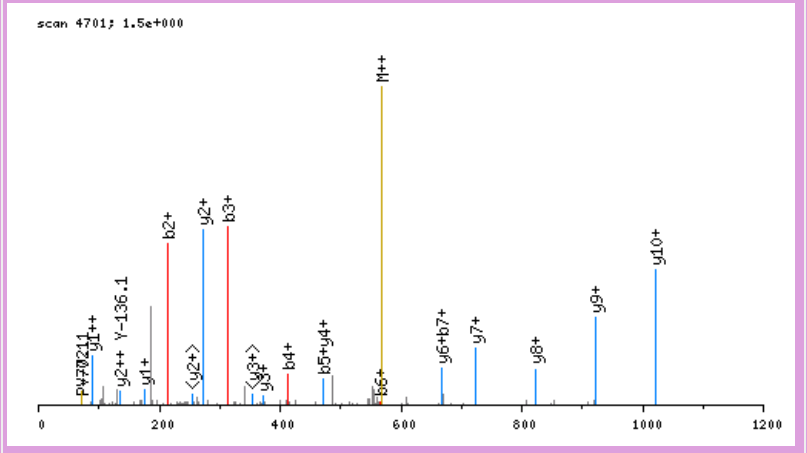
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
221.1713	2	V	14	1424.7749	712.8914
320.2398	3	V	13	1325.7065	663.3572
391.2769	4	A	12	1226.6381	613.8230
448.2983	5	G	11	1155.6010	578.3044
505.3198	6	G	10	1098.5795	549.7937
602.3726	7	P	9	1041.5580	521.2829
731.4152	8	E	8	944.5053	472.7566
830.4836	9	V	7	815.4627	408.2353
931.5312	10	T	6	716.3943	358.7011
1044.6153	11	L	5	615.3466	308.1772
1145.6630	12	T	4	502.2625	251.6352
1242.7158	13	P	3	401.2149	201.1113
1371.7583	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

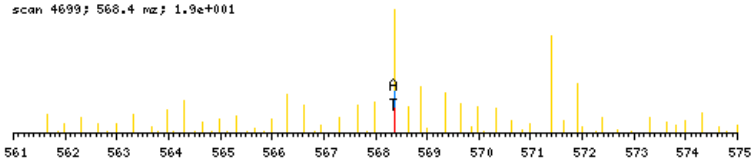
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVVVGPVVVPR, MH+ 1135.7203, m/z 568.3638
L OS G30 P160811 220811-s1.04701.04701.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



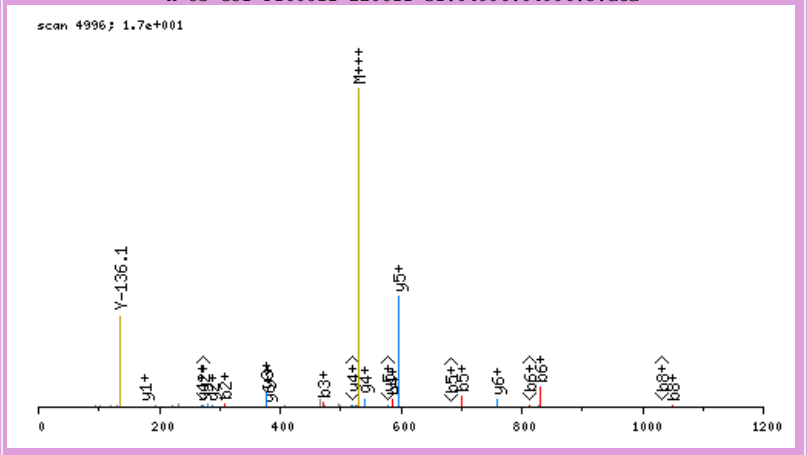
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
215.1395	2	V	10	1020.6570	510.8324
314.2080	3	V	9	921.5886	461.2982
413.2764	4	V	8	822.5201	411.7640
470.2978	5	G	7	723.4517	362.2298
567.3506	6	P	6	666.4303	333.7190
666.4190	7	V	5	569.3775	285.1927
765.4874	8	V	4	470.3091	235.6585
864.5558	9	V	3	371.2407	186.1243
961.6086	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

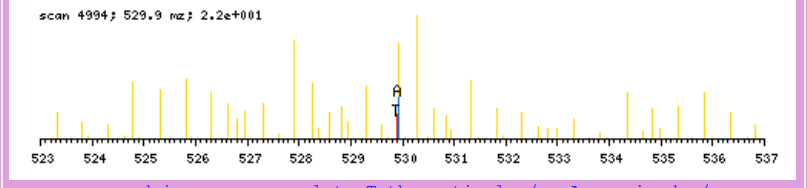
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SWYDNEYGYSNR, MH+ 1587.6928, m/z 529.9024
H OS G31 P160811 220811-s1.04996.04996.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

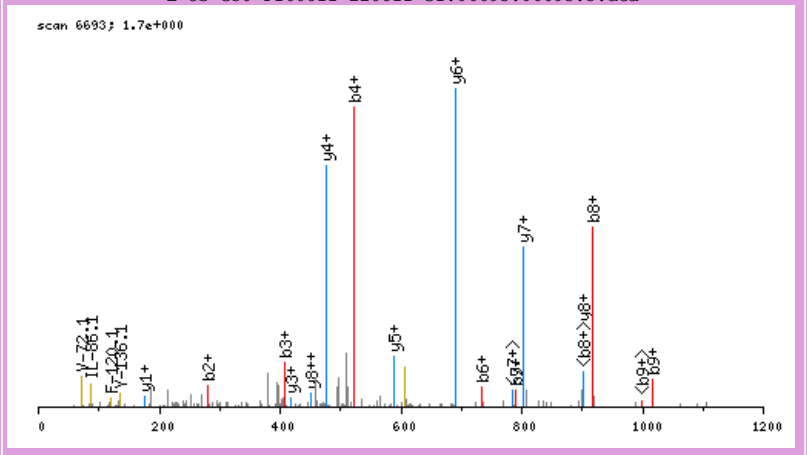


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

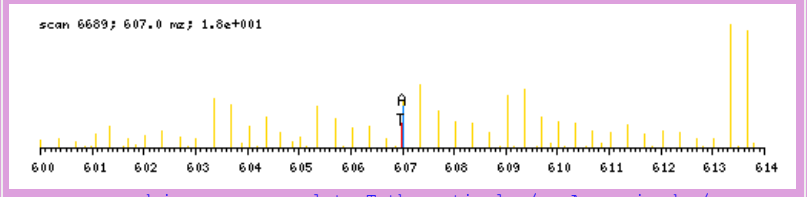
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
308.1822	2	W	11	1466.5977	733.8028
471.2456	3	Y	10	1280.5184	640.7631
586.2725	4	D	9	1117.4550	559.2314
700.3154	5	N	8	1002.4281	501.7180
829.3580	6	E	7	888.3852	444.6965
992.4214	7	Y	6	**759.3426**	**380.1752**
1049.4428	8	G	5	**596.2792**	298.6435
1212.5062	9	Y	4	**539.2578**	**270.1328**
1299.5382	10	S	3	**376.1945**	188.6011
1413.5811	11	N	2	**289.1624**	145.0851
	12	R	1	**175.1195**	88.0637

N-term:+35.07

SYELPDGQVITIGNER, MH+ 1818.9237, m/z 606.9794
L OS G30 P160811 220811-s1.06693.06693.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

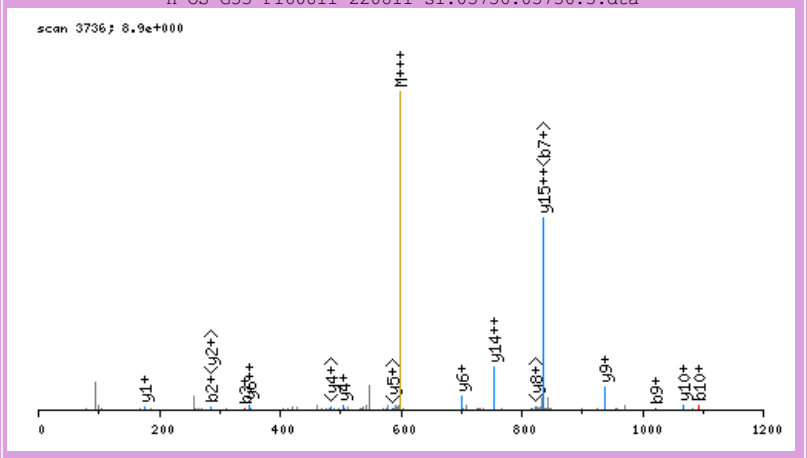
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
279.1345	2	Y	15	1703.8604	852.4341
408.1771	3	E	14	1540.7971	770.9025
521.2611	4	L	13	1411.7545	706.3812
618.3139	5	P	12	1298.6705	649.8391
733.3408	6	D	11	1201.6177	601.3128
790.3623	7	G	10	1086.5907	543.7993
918.4209	8	Q	9	1029.5693	515.2886
1017.4893	9	V	8	901.5107	451.2593
1130.5733	10	I	7	802.4423	401.7251
1231.6210	11	T	6	689.3582	345.1830
1344.7051	12	I	5	588.3105	294.6592
1401.7265	13	G	4	475.2265	238.1172
1515.7695	14	N	3	418.2050	209.6064
1644.8121	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

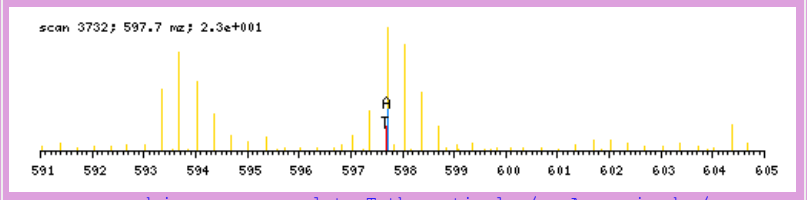
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SYGGYKEPAAPVSIQR, MH+ 1791.0077, m/z 597.6741
H OS G33 P160811 220811-s1.03736.03736.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



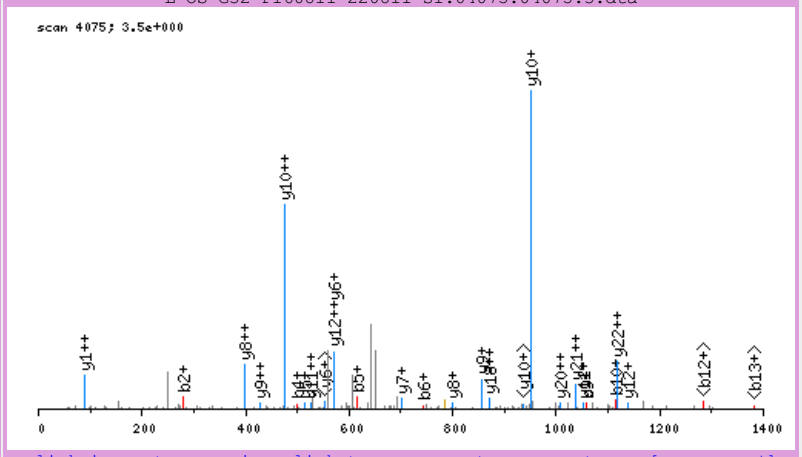
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
285.1663	2	Y	15	1669.9126	835.4602
342.1877	3	G	14	1506.8493	753.9286
399.2092	4	G	13	1449.8278	725.4178
562.2725	5	Y	12	1392.8064	696.9071
724.4306	6	K	11	1229.7430	615.3754
853.4732	7	E	10	1067.5849	534.2964
950.5260	8	P	9	938.5423	469.7751
1021.5631	9	A	8	841.4896	421.2487
1092.6002	10	A	7	770.4525	385.7301
1189.6530	11	P	6	699.4153	350.2116
1288.7214	12	V	5	602.3626	301.6852
1375.7534	13	S	4	503.2942	252.1510
1488.8375	14	I	3	416.2621	208.6350
1616.8960	15	Q	2	303.1781	152.0930
	16	R	1	175.1195	88.0637

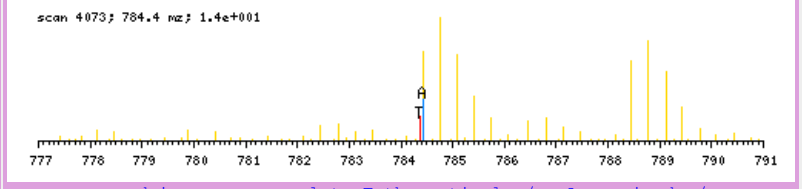
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SYGYDEKSAGVSVPGPMGPSGPR, MH+ 2351.1342, m/z 784.3829
L OS G32 P160811 220811-s1.04075.04075.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



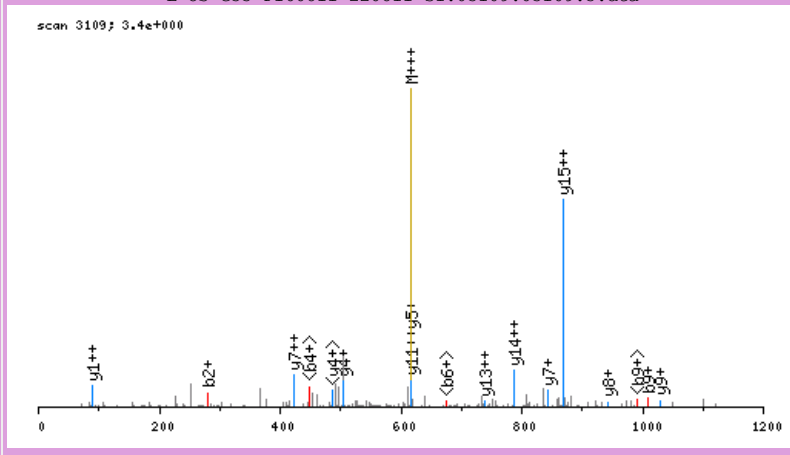
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
279.1345	2	Y	22	2236.0709	**1118.5394**
336.1559	3	G	21	2073.0076	**1037.0077**
499.2192	4	Y	20	2015.9861	**1008.4970**
614.2462	5	D	19	1852.9228	926.9653
743.2888	6	E	18	1737.8958	**869.4518**
899.4151	7	K	17	1608.8532	804.9305
986.4471	8	S	16	1452.7269	726.8674
1057.4842	9	A	15	1365.6949	683.3514
1114.5057	10	G	14	1294.6578	647.8328
1213.5741	11	V	13	1237.6363	619.3221
1300.6061	12	S	12	**1138.5679**	**569.7879**
1399.6745	13	V	11	**1051.5359**	**526.2718**
1496.7273	14	P	10	**952.4675**	**476.7376**
1553.7488	15	G	9	**855.4147**	**428.2113**
1650.8015	16	P	8	**798.3932**	**399.7005**
1781.8420	17	M	7	**701.3405**	351.1741
1838.8635	18	G	6	**570.3000**	285.6539
1935.9163	19	P	5	**513.2785**	257.1432
2022.9483	20	S	4	416.2258	208.6168
2079.9697	21	G	3	329.1937	165.1008
2177.0225	22	P	2	272.1723	136.5900
	23	R	1	175.1195	**88.0637**

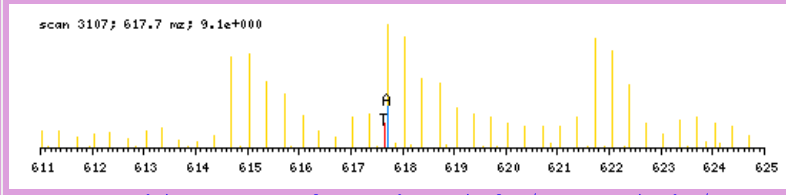
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SYVSKAESTPEIAEQR, MH+ 1850.9500, m/z 617.6548
L OS G33 P160811 220811-s1.03109.03109.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



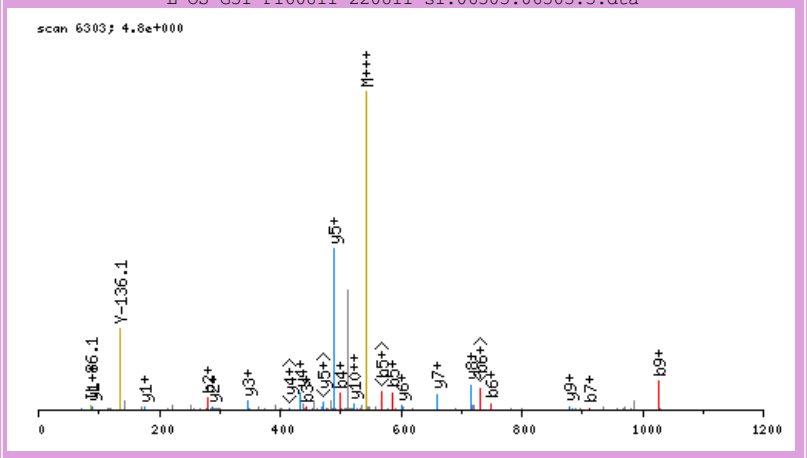
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
279.1345	2	Y	15	1735.8867	868.4473
378.2029	3	V	14	1572.8234	786.9156
465.2349	4	S	13	1473.7549	737.3814
621.3612	5	K	12	1386.7229	693.8654
692.3983	6	A	11	1230.5966	615.8022
821.4409	7	E	10	1159.5595	580.2837
908.4729	8	S	9	1030.5169	515.7624
1009.5206	9	T	8	943.4849	472.2464
1106.5734	10	P	7	842.4372	421.7225
1235.6160	11	E	6	745.3844	373.1961
1348.7000	12	I	5	616.3418	308.6748
1419.7371	13	A	4	503.2578	252.1328
1548.7797	14	E	3	432.2207	216.6142
1676.8383	15	Q	2	303.1781	152.0930
	16	R	1	175.1195	88.0637

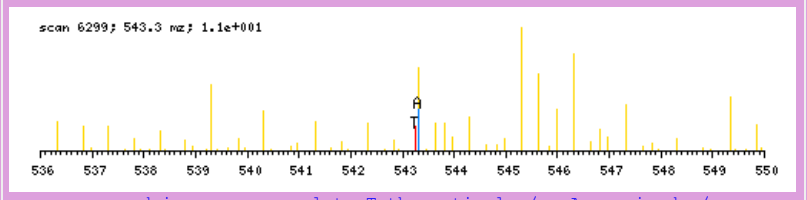
N-term:+29.04 K(5):+156.13

SYYGSYYGGLGSGIR, MH+ 1627.7756, m/z 543.2634
L OS G31 P160811 220811-s1.06303.06303.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



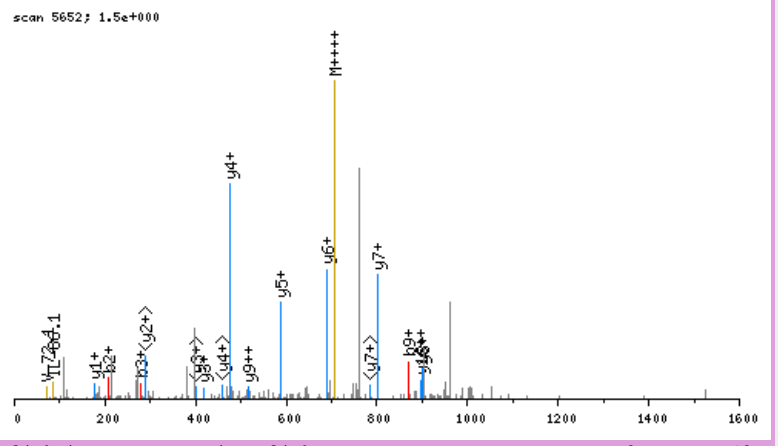
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
279.1345	2	Y	14	1512.7123	756.8601
442.1978	3	Y	13	1349.6490	675.3284
499.2192	4	G	12	1186.5857	593.7967
586.2513	5	S	11	1129.5642	565.2860
749.3146	6	Y	10	1042.5322	521.7700
912.3779	7	Y	9	879.4688	440.2383
969.3994	8	G	8	716.4055	358.7067
1026.4209	9	G	7	659.3840	330.1959
1139.5049	10	L	6	602.3626	301.6852
1196.5264	11	G	5	489.2785	245.1432
1283.5584	12	S	4	432.2571	216.6324
1340.5799	13	G	3	345.2250	173.1164
1453.6639	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

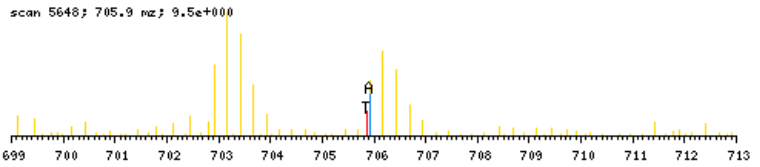
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAASSSSLEKSYELPDGQVITIGNER, MH+ 2820.4903, m/z 705.8780
H OS G32 P160811 220811-s1.05652.05652.4.dta



click image to zoom in; click top corners to zoom out [precursor]



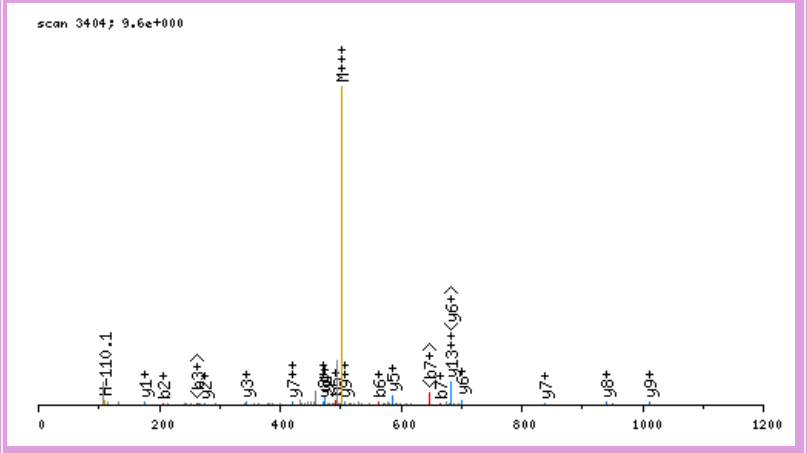
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	26		
207.1557	2	A	25	2685.3796	1343.1937
278.1928	3	A	24	2614.3425	1307.6751
365.2248	4	S	23	2543.3053	1272.1566
452.2569	5	S	22	2456.2733	1228.6406
539.2889	6	S	21	2369.2413	1185.1246
626.3209	7	S	20	2282.2093	1141.6085
739.4050	8	L	19	2195.1772	1098.0925
868.4476	9	E	18	2082.0932	1041.5505
1030.6057	10	K	17	1953.0506	977.0292
1117.6377	11	S	16	1790.8925	895.9501
1280.7010	12	Y	15	1703.8604	852.4341
1409.7436	13	E	14	1540.7971	770.9025
1522.8277	14	L	13	1411.7545	706.3812
1619.8805	15	P	12	1298.6705	649.8391
1734.9074	16	D	11	1201.6177	601.3128
1791.9289	17	G	10	1086.5907	543.7993
1919.9874	18	Q	9	1029.5693	515.2886
2019.0559	19	V	8	901.5107	451.2593
2132.1399	20	I	7	802.4423	401.7251
2233.1876	21	T	6	689.3582	345.1830
2346.2717	22	I	5	588.3105	294.6592
2403.2931	23	G	4	475.2265	238.1172
2517.3361	24	N	3	418.2050	209.6064
2646.3786	25	E	2	304.1621	152.5850
	26	R	1	175.1195	88.0637

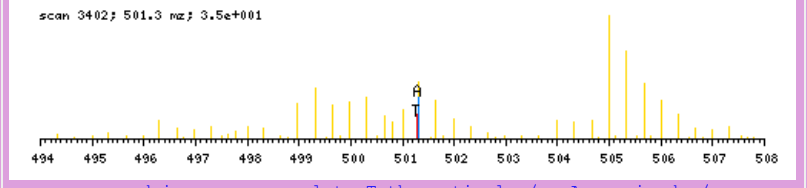
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAATIATHDLQAVR, MH+ 1501.8550, m/z 501.2899
H OS G33 P160811 220811-s1.03404.03404.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



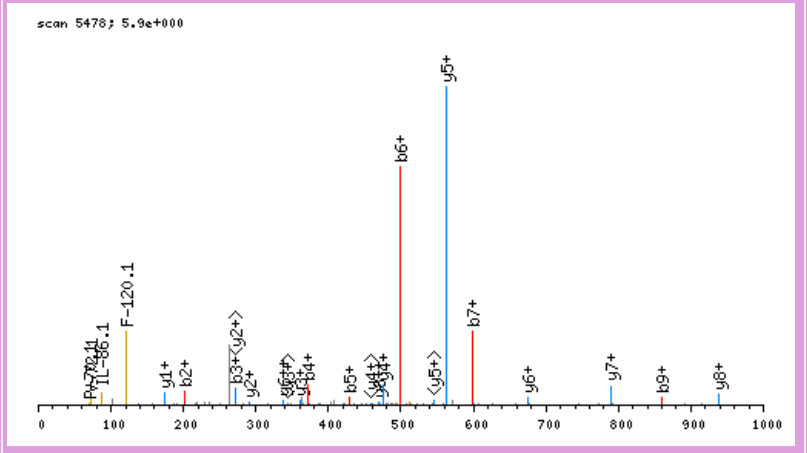
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
207.1557	2	A	13	1366.7443	**683.8761**
278.1928	3	A	12	1295.7072	648.3575
379.2405	4	T	11	1224.6701	612.8389
492.3245	5	I	10	1123.6224	562.3151
563.3617	6	A	9	**1010.5383**	**505.7731**
664.4093	7	T	8	**939.5012**	**470.2545**
801.4683	8	H	7	**838.4535**	**419.7307**
916.4952	9	D	6	**701.3946**	351.2012
1029.5793	10	L	5	**586.3677**	293.6877
1157.6378	11	Q	4	**473.2836**	237.1457
1228.6750	12	A	3	**345.2250**	173.1164
1327.7434	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	88.0637

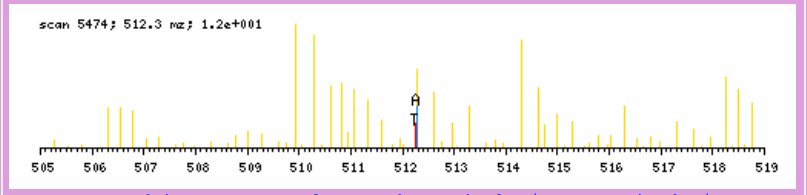
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAAVGAVFDISNADR, MH+ 1534.7865, m/z 512.2670
L OS G30 P160811 220811-s1.05478.05478.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



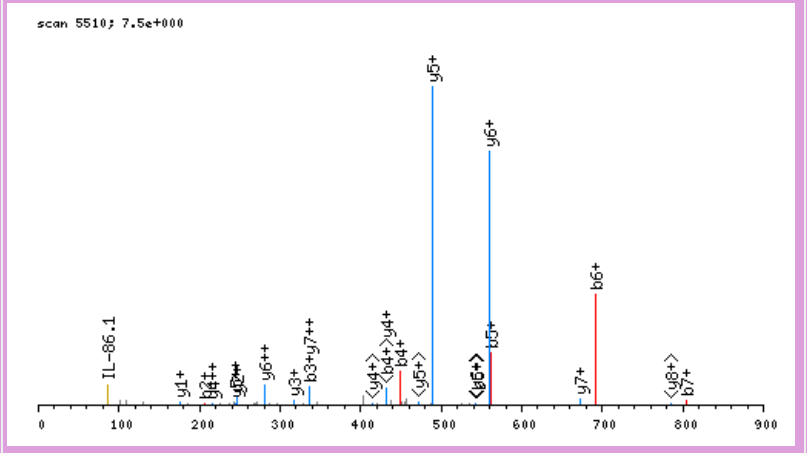
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
201.1239	2	A	14	1405.7076	703.3577
272.1610	3	A	13	1334.6705	667.8391
371.2294	4	V	12	1263.6333	632.3206
428.2509	5	G	11	1164.5649	582.7864
499.2880	6	A	10	1107.5435	554.2756
598.3564	7	V	9	1036.5063	518.7571
745.4248	8	F	8	937.4379	469.2229
860.4518	9	D	7	790.3695	395.6887
973.5358	10	I	6	675.3426	338.1752
1060.5679	11	S	5	562.2585	281.6332
1174.6108	12	N	4	475.2265	238.1172
1245.6479	13	A	3	361.1836	181.0957
1360.6748	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

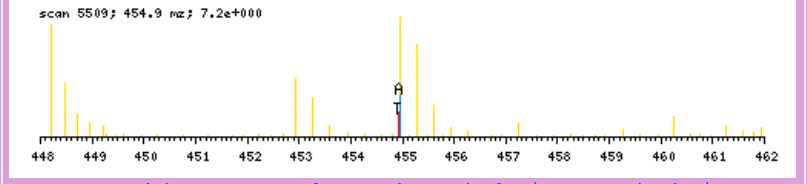
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAEILELAGNAAR, MH+ 1362.7805, m/z 454.9317
H OS G30 P160811 220811-s1.05510.05510.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



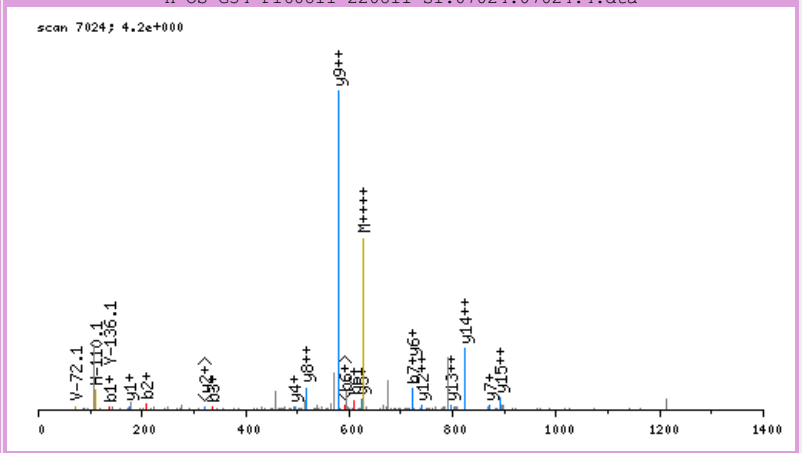
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
207.1557	2	A	12	1227.6697	614.3388
336.1983	3	E	11	1156.6326	578.8202
449.2823	4	I	10	1027.5900	514.2989
562.3664	5	L	9	914.5060	457.7569
691.4090	6	E	8	801.4219	401.2149
804.4931	7	L	7	672.3793	336.6936
875.5302	8	A	6	559.2952	280.1515
932.5516	9	G	5	488.2581	244.6330
1046.5946	10	N	4	431.2367	216.1222
1117.6317	11	A	3	317.1937	159.1008
1188.6688	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

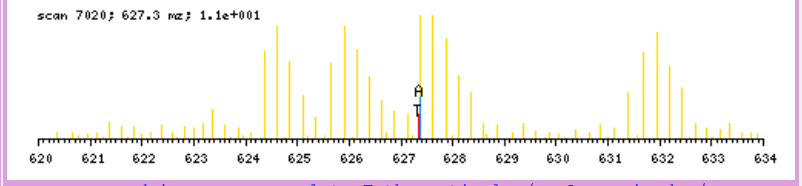
N-term:+35.07

TAESGELHGLTTDEKFVEGVYR, MH+ 2506.3102, m/z 627.3330
H OS G34 P160811 220811-s1.07024.07024.4.dta

X-range: 0 - 0
MassTol: **Y-zoom:** 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



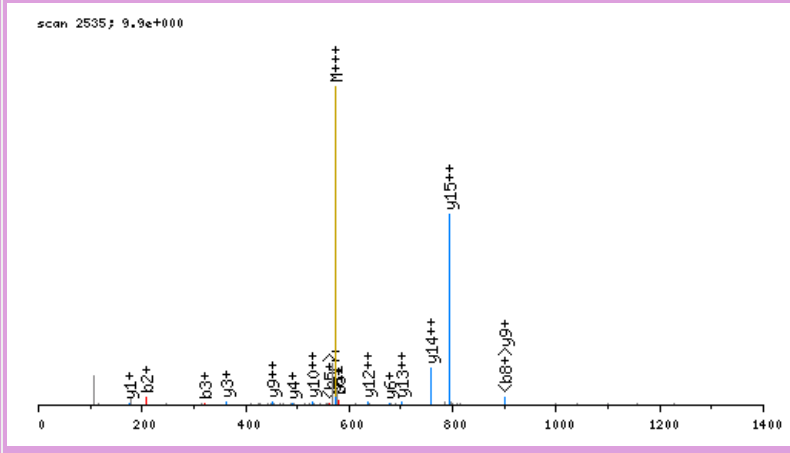
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**22**		
207.1557	**2**	**A**	**21**	2371.1994	1186.1036
336.1983	**3**	**E**	**20**	2300.1623	1150.5851
423.2303	**4**	**S**	**19**	2171.1197	1086.0638
480.2518	**5**	**G**	**18**	2084.0877	1042.5478
609.2944	**6**	**E**	**17**	2027.0662	1014.0370
722.3784	**7**	**L**	**16**	1898.0236	949.5157
859.4373	**8**	**H**	**15**	1784.9396	**892.9737**
916.4588	**9**	**G**	**14**	1647.8806	**824.4442**
1029.5429	**10**	**L**	**13**	1590.8592	**795.9335**
1130.5906	**11**	**T**	**12**	1477.7751	**739.3915**
1231.6382	**12**	**T**	**11**	1376.7274	688.8676
1346.6652	**13**	**D**	**10**	1275.6798	638.3438
1475.7078	**14**	**E**	**9**	1160.6528	**580.8303**
1637.8659	**15**	**K**	**8**	1031.6102	**516.3090**
1784.9343	**16**	**F**	**7**	**869.4521**	435.2300
1884.0027	**17**	**V**	**6**	**722.3837**	361.6958
2013.0453	**18**	**E**	**5**	**623.3153**	312.1616
2070.0668	**19**	**G**	**4**	**494.2727**	247.6403
2169.1352	**20**	**V**	**3**	437.2512	219.1295
2332.1985	**21**	**Y**	**2**	338.1828	169.5953
	22	**R**	**1**	**175.1195**	88.0637

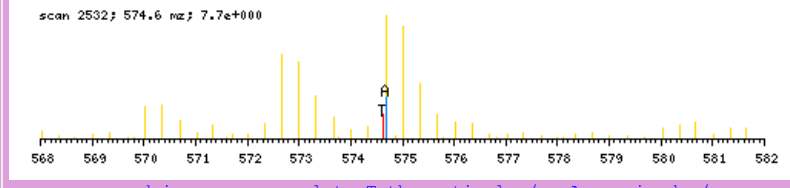
N-term:+35.07 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TALEESRPGASVEGER, MH+ 1721.8882, m/z 574.6342
H OS G33 P160811 220811-s1.02535.02535.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



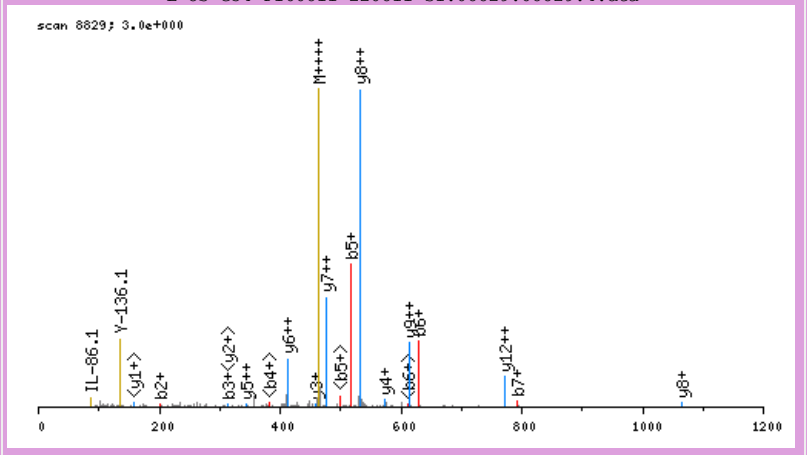
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
207.1557	2	A	15	1586.7774	793.8926
320.2398	3	L	14	1515.7403	758.3741
449.2823	4	E	13	1402.6563	701.8320
578.3249	5	E	12	1273.6137	637.3107
665.3570	6	S	11	1144.5711	572.7894
821.4581	7	R	10	1057.5390	529.2734
918.5108	8	P	9	901.4379	451.2229
975.5323	9	G	8	804.3852	402.6965
1046.5694	10	A	7	747.3637	374.1858
1133.6015	11	S	6	676.3266	338.6672
1232.6699	12	V	5	589.2946	295.1512
1361.7125	13	E	4	490.2262	245.6170
1418.7339	14	G	3	361.1836	181.0957
1547.7765	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

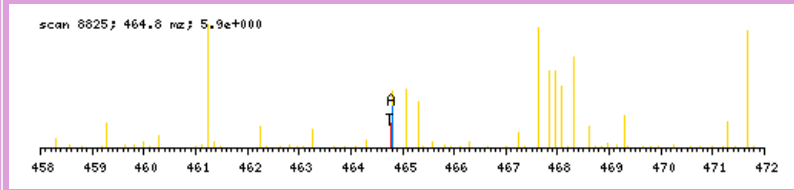
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TALSDLYLEHLLQKR, MH+ 1856.0646, m/z 464.7716
L OS G34 P160811 220811-s1.08829.08829.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



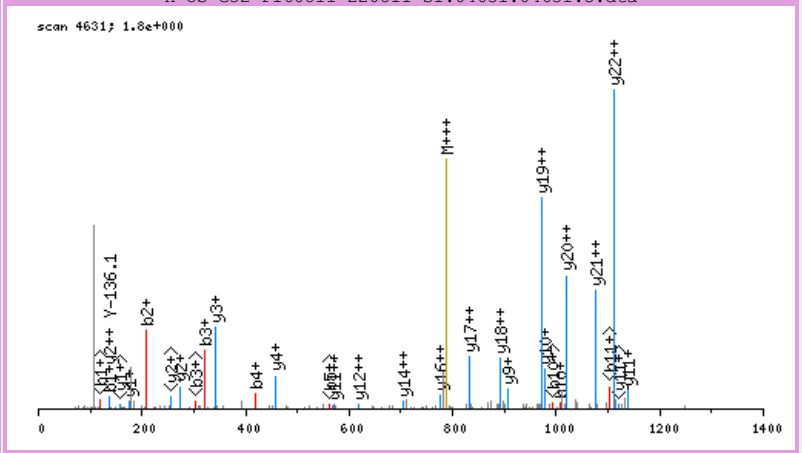
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
201.1239	2	A	14	1726.9856	863.9967
314.2080	3	L	13	1655.9485	828.4782
401.2400	4	S	12	1542.8644	**771.9361**
516.2669	5	D	11	1455.8324	728.4201
629.3510	6	L	10	1340.8055	670.9066
792.4143	7	Y	9	1227.7214	**614.3646**
905.4984	8	L	8	**1064.6581**	**532.8330**
1034.5410	9	E	7	951.5740	**476.2909**
1171.5999	10	H	6	822.5314	**411.7696**
1284.6840	11	L	5	685.4725	**343.2402**
1397.7680	12	L	4	**572.3884**	286.6981
1525.8266	13	Q	3	**459.3044**	230.1561
1681.9529	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

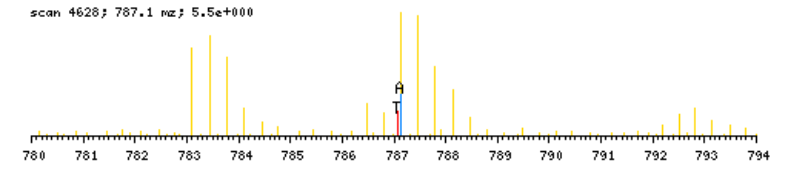
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TALVCDNGSGLVKAGFAGDDAPR, MH+ 2359.2352, m/z 787.0832
H OS G32 P160811 220811-s1.04631.04631.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



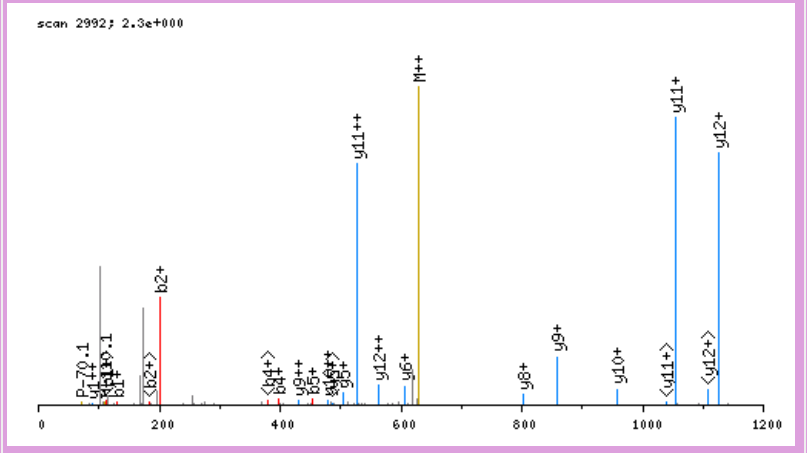
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**23**		
207.1557	**2**	**A**	**22**	2224.1244	**1112.5661**
320.2398	**3**	**L**	**21**	2153.0873	**1077.0476**
419.3082	**4**	**V**	**20**	2040.0033	**1020.5055**
579.3388	**5**	**C**	**19**	1940.9348	**970.9713**
694.3657	**6**	**D**	**18**	1780.9042	**890.9560**
808.4086	**7**	**N**	**17**	1665.8773	**833.4426**
865.4301	**8**	**G**	**16**	1551.8344	**776.4211**
952.4621	**9**	**S**	**15**	1494.8129	747.9104
1009.4836	**10**	**G**	**14**	1407.7809	**704.3944**
1122.5677	**11**	**L**	**13**	1350.7594	675.8836
1221.6361	**12**	**V**	**12**	1237.6753	**619.3416**
1383.7942	**13**	**K**	**11**	**1138.6069**	**569.8074**
1454.8313	**14**	**A**	**10**	**976.4488**	488.7283
1511.8528	**15**	**G**	**9**	**905.4117**	453.2098
1658.9212	**16**	**F**	**8**	848.3903	424.6990
1729.9583	**17**	**A**	**7**	701.3218	351.1648
1786.9797	**18**	**G**	**6**	630.2847	315.6463
1902.0067	**19**	**D**	**5**	573.2633	287.1355
2017.0336	**20**	**D**	**4**	**458.2363**	229.6221
2088.0707	**21**	**A**	**3**	**343.2094**	172.1086
2185.1235	**22**	**P**	**2**	**272.1723**	**136.5900**
	23	**R**	**1**	**175.1195**	88.0637

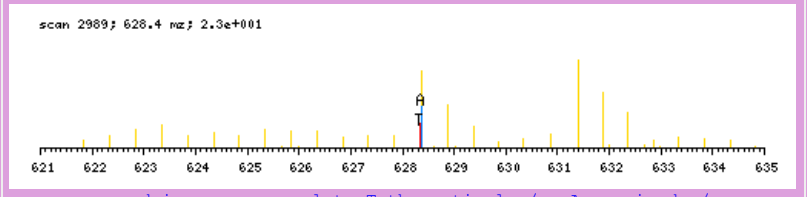
N-term:+35.07 C(5):+160.03
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAPVGPVTTASAR, MH+ 1255.7010, m/z 628.3541
L OS G31 P160811 220811-s1.02992.02992.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



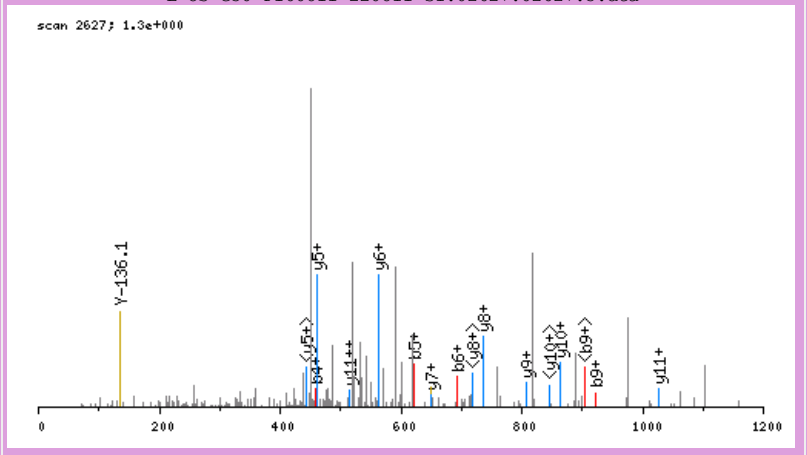
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
201.1239	2	A	12	1126.6220	563.8149
298.1767	3	P	11	1055.5849	528.2964
397.2451	4	V	10	958.5322	479.7700
454.2665	5	G	9	859.4638	430.2358
551.3193	6	P	8	802.4423	401.7251
650.3877	7	V	7	705.3895	353.1987
751.4354	8	T	6	606.3211	303.6645
852.4831	9	T	5	505.2734	253.1406
923.5202	10	A	4	404.2258	202.6168
1010.5522	11	S	3	333.1886	167.0982
1081.5893	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

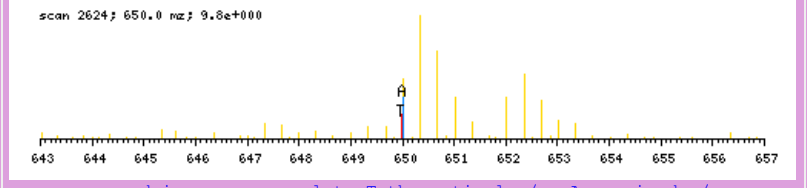
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAQEYAAGTYGASSTASAGR, MH+ 1947.9048, m/z 649.9731
L OS G30 P160811 220811-s1.02627.02627.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



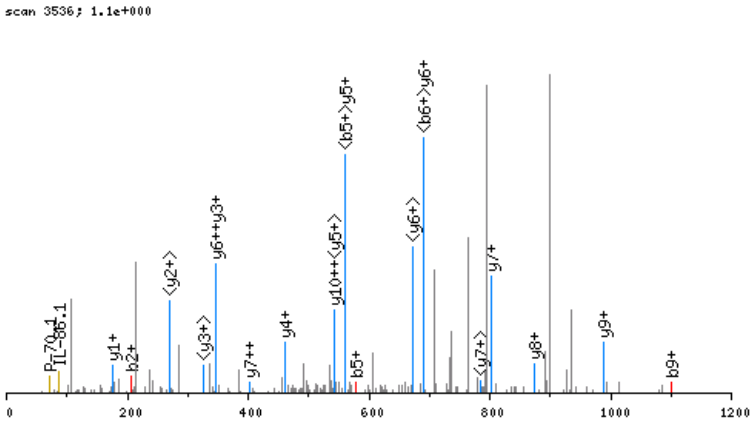
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
201.1239	2	A	19	1818.8258	909.9168
329.1825	3	Q	18	1747.7887	874.3983
458.2251	4	E	17	1619.7302	810.3690
621.2884	5	Y	16	1490.6876	745.8477
692.3255	6	A	15	1327.6242	664.3160
763.3626	7	A	14	1256.5871	628.7975
820.3841	8	G	13	1185.5500	593.2789
921.4318	9	T	12	1128.5285	564.7682
1084.4951	10	Y	11	**1027.4809**	**514.2443**
1141.5166	11	G	10	**864.4175**	432.7127
1212.5537	12	A	9	**807.3961**	404.2019
1299.5857	13	S	8	**736.3590**	368.6834
1386.6177	14	S	7	**649.3269**	325.1674
1487.6654	15	T	6	**562.2949**	281.6514
1558.7025	16	A	5	**461.2472**	231.1275
1645.7345	17	S	4	390.2101	195.6090
1716.7717	18	A	3	303.1781	152.0930
1773.7931	19	G	2	232.1410	116.5744
	20	R	1	175.1195	88.0637

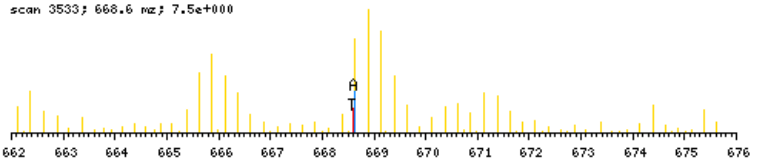
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAQNEEEKTGGMAGGGPDALQTDGLR, MH+ 2671.3270, m/z 668.5872
H OS G32 P160811 220811-s1.03536.03536.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



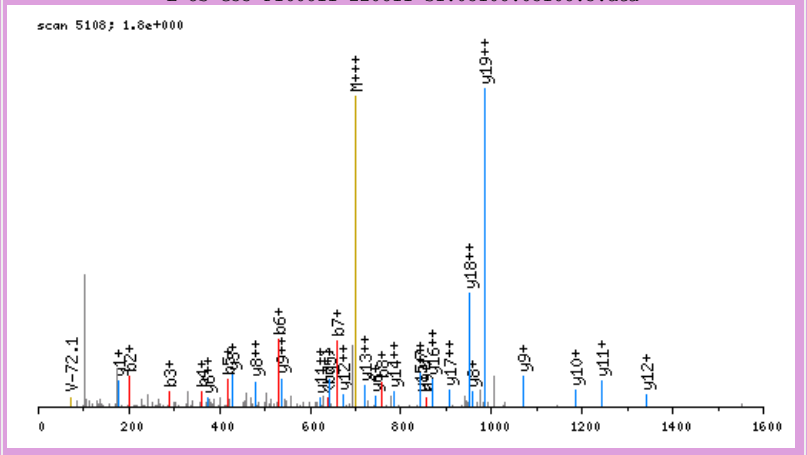
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	26		
207.1557	2	A	25	2536.2162	1268.6120
335.2143	3	Q	24	2465.1791	1233.0935
449.2572	4	N	23	2337.1205	1169.0642
578.2998	5	E	22	2223.0776	1112.0427
707.3424	6	E	21	2094.0350	1047.5214
836.3850	7	E	20	1964.9924	983.0001
998.5431	8	K	19	1835.9498	918.4788
1099.5908	9	T	18	1673.7917	837.3998
1156.6122	10	G	17	1572.7440	786.8759
1213.6337	11	G	16	1515.7226	758.3652
1344.6742	12	M	15	1458.7011	729.8545
1415.7113	13	A	14	1327.6606	664.3342
1472.7327	14	G	13	1256.6235	628.8157
1529.7542	15	G	12	1199.6020	600.3049
1586.7757	16	G	11	1142.5806	571.7942
1683.8284	17	P	10	1085.5591	543.2835
1798.8554	18	D	9	988.5063	494.7571
1869.8925	19	A	8	873.4794	437.2436
1982.9766	20	L	7	802.4423	401.7251
2111.0351	21	Q	6	689.3582	345.1830
2212.0828	22	T	5	561.2997	281.1537
2327.1098	23	D	4	460.2520	230.6299
2384.1312	24	G	3	345.2250	173.1164
2497.2153	25	L	2	288.2036	144.6057
	26	R	1	175.1195	88.0637

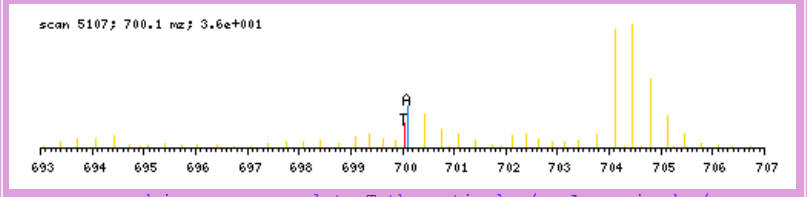
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TASAGIQVVGDDLTVTNPKR, MH+ 2098.1508, m/z 700.0551
L OS G33 P160811 220811-s1.05108.05108.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



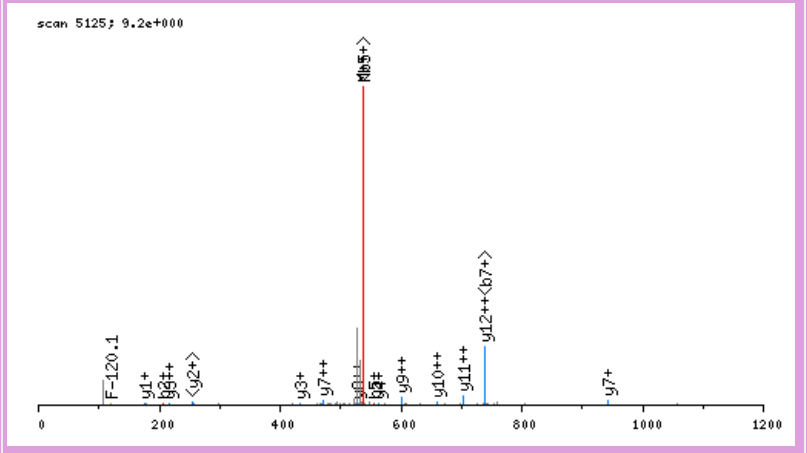
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
201.1239	2	A	19	1969.0719	985.0398
288.1559	3	S	18	1898.0348	949.5213
359.1930	4	A	17	1811.0027	906.0053
416.2145	5	G	16	1739.9656	870.4867
529.2986	6	I	15	1682.9441	841.9760
657.3571	7	Q	14	1569.8601	785.4340
756.4256	8	V	13	1441.8015	721.4047
855.4940	9	V	12	1342.7331	671.8705
912.5154	10	G	11	1243.6647	622.3363
1027.5424	11	D	10	1186.6432	593.8255
1142.5693	12	D	9	1071.6163	536.3120
1255.6534	13	L	8	956.5893	478.7986
1356.7011	14	T	7	843.5053	422.2565
1455.7695	15	V	6	742.4576	371.7327
1556.8172	16	T	5	643.3892	322.1985
1670.8601	17	N	4	542.3415	271.6747
1767.9128	18	P	3	428.2986	214.6532
1924.0391	19	K	2	331.2458	166.1268
	20	R	1	175.1195	88.0637

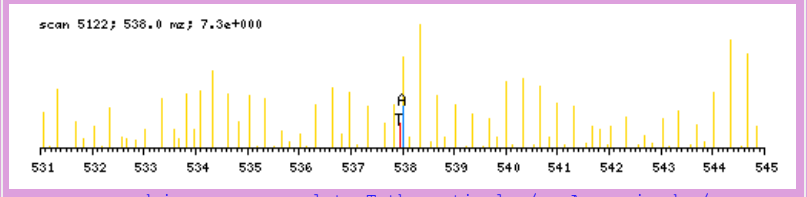
N-term:+29.04 K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TASDFISKMQYPR, MH+ 1611.8841, m/z 537.9662
H OS G33 P160811 220811-s1.05125.05125.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



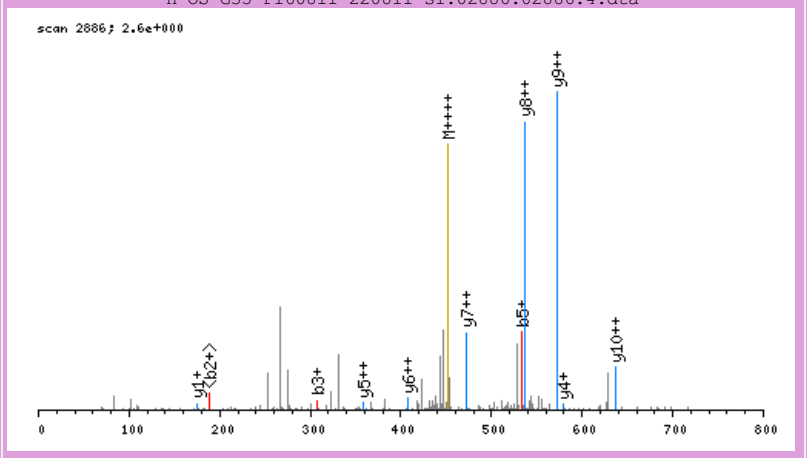
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
207.1557	2	A	12	1476.7733	**738.8906**
294.1877	3	S	11	1405.7362	**703.3720**
409.2147	4	D	10	1318.7042	**659.8560**
556.2831	5	F	9	1203.6773	**602.3425**
669.3671	6	I	8	1056.6088	**528.8083**
756.3992	7	S	7	**943.5248**	**472.2663**
918.5573	8	K	6	856.4928	428.7503
1049.5978	9	M	5	694.3347	347.6712
1177.6563	10	Q	4	**563.2942**	282.1510
1340.7197	11	Y	3	**435.2356**	**218.1217**
1437.7724	12	P	2	272.1723	136.5900
	13	R	1	**175.1195**	88.0637

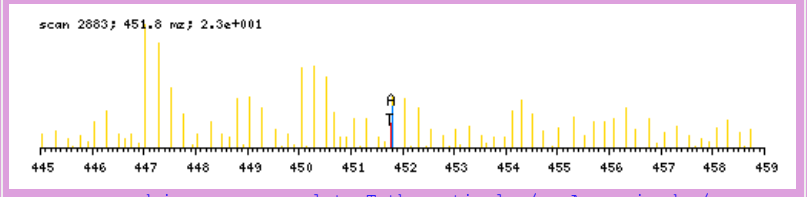
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TATPQQAQEVHEKLR, MH+ 1804.0353, m/z 451.7643
H OS G35 P160811 220811-s1.02886.02886.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



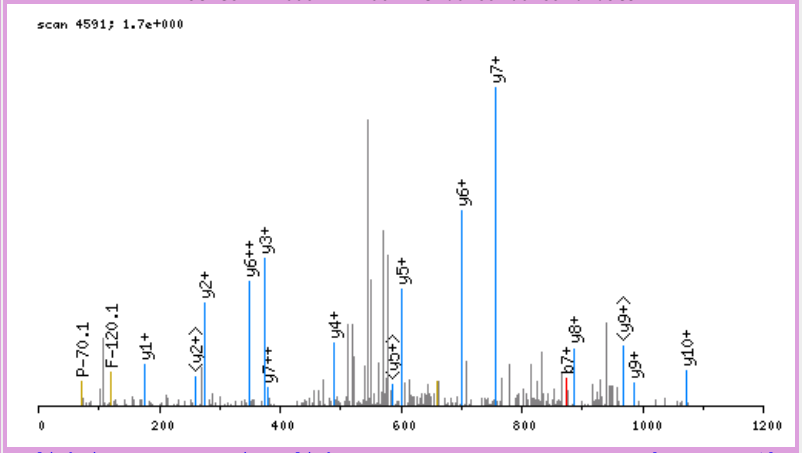
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
207.1557	2	A	14	1668.9246	834.9662
308.2034	3	T	13	1597.8875	799.4476
405.2561	4	P	12	1496.8398	748.9238
533.3147	5	Q	11	1399.7870	700.3974
661.3733	6	Q	10	1271.7284	**636.3681**
732.4104	7	A	9	1143.6699	**572.3388**
860.4690	8	Q	8	1072.6328	**536.8203**
989.5116	9	E	7	944.5742	**472.7910**
1088.5800	10	V	6	815.5316	**408.2697**
1225.6389	11	H	5	716.4632	**358.7355**
1354.6815	12	E	4	**579.4043**	290.2060
1516.8396	13	K	3	450.3617	225.6847
1629.9237	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

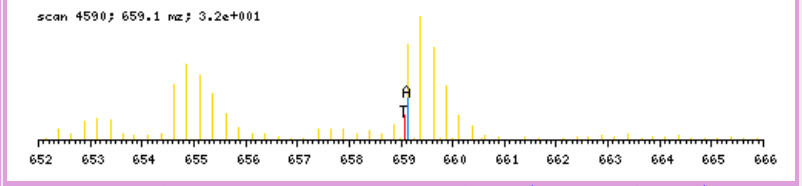
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TCCKAADKDTCFSTEGPNLVTR, MH+ 2633.3221, m/z 659.0860
H OS G34 P160811 220811-s1.04591.04591.4.dta



click image to zoom in; click top corners to zoom out [precursor]



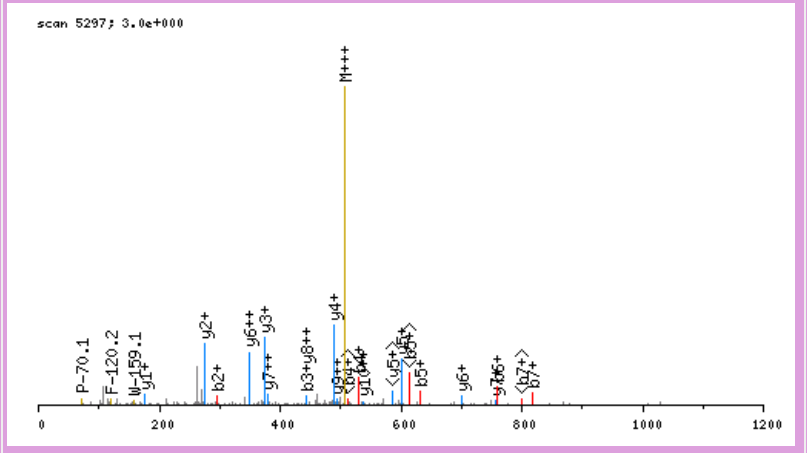
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	22		
296.1492	2	C	21	2498.2113	1249.6096
456.1798	3	C	20	2338.1807	1169.5943
618.3379	4	K	19	2178.1501	1089.5790
689.3750	5	A	18	2015.9920	1008.4999
760.4121	6	A	17	1944.9549	972.9814
875.4390	7	D	16	1873.9178	937.4628
1037.5971	8	K	15	1758.8908	879.9493
1152.6241	9	D	14	1596.7327	798.8703
1253.6718	10	T	13	1481.7058	741.3568
1413.7024	11	C	12	1380.6581	690.8330
1560.7708	12	F	11	1220.6275	610.8177
1647.8028	13	S	10	**1073.5591**	537.2835
1748.8505	14	T	9	**986.5271**	493.7675
1877.8931	15	E	8	**885.4794**	443.2436
1934.9145	16	G	7	**756.4368**	**378.7223**
2031.9673	17	P	6	**699.4153**	**350.2116**
2146.0102	18	N	5	**602.3626**	301.6852
2259.0943	19	L	4	**488.3197**	244.6637
2358.1627	20	V	3	**375.2356**	188.1217
2459.2104	21	T	2	**276.1672**	138.5875
	22	R	1	**175.1195**	88.0637

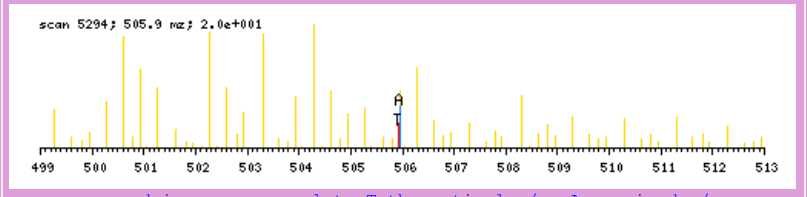
N-term:+35.07 C(2):+160.03
C(3):+160.03 K(4):+162.16 K(8):+162.16
C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TCFSTEGPNLVTR, MH+ 1515.7689, m/z 505.9278
H OS G31 P160811 220811-s1.05297.05297.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



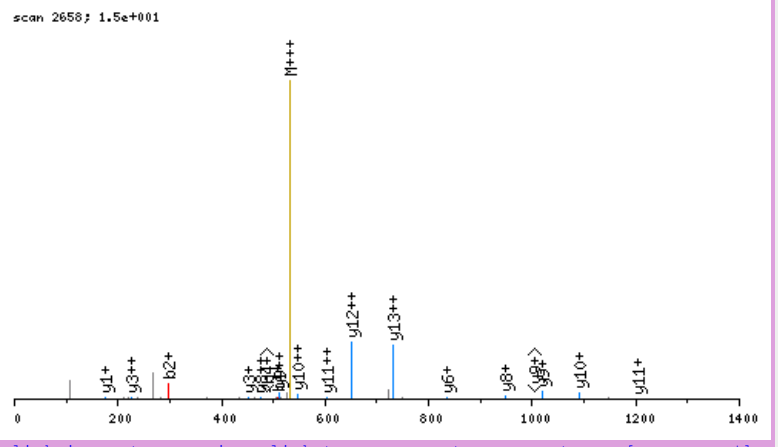
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
296.1492	2	C	12	1380.6581	690.8330
443.2176	3	F	11	1220.6275	610.8177
530.2496	4	S	10	1073.5591	**537.2835**
631.2973	5	T	9	986.5271	**493.7675**
760.3399	6	E	8	885.4794	**443.2436**
817.3614	7	G	7	**756.4368**	**378.7223**
914.4141	8	P	6	**699.4153**	**350.2116**
1028.4570	9	N	5	**602.3626**	301.6852
1141.5411	10	L	4	**488.3197**	244.6637
1240.6095	11	V	3	**375.2356**	188.1217
1341.6572	12	T	2	**276.1672**	138.5875
	13	R	1	**175.1195**	88.0637

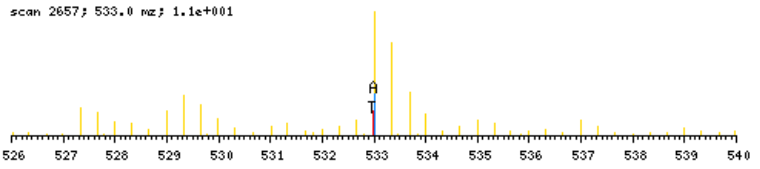
N-term:+35.07 C(2):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TCPLAAGGQQEKLR, MH+ 1596.9167, m/z 532.9771
H OS G33 P160811 220811-s1.02658.02658.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



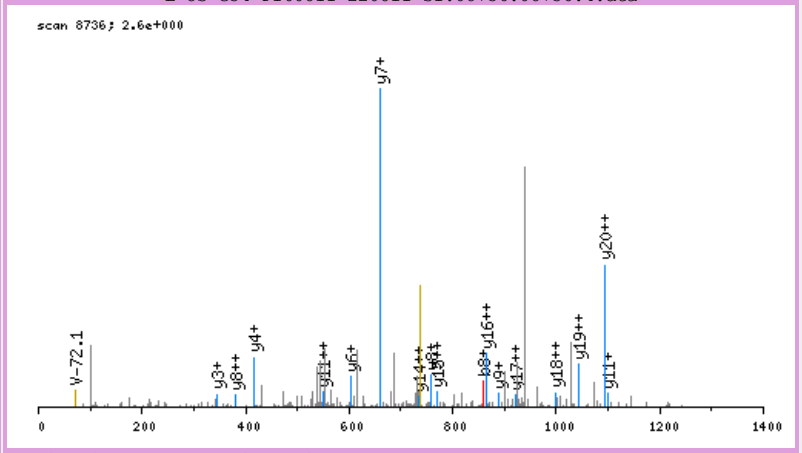
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
296.1492	2	C	13	1461.8060	**731.4069**
393.2019	3	P	12	1301.7754	**651.3916**
506.2860	4	L	11	**1204.7226**	**602.8652**
577.3231	5	A	10	**1091.6386**	**546.3232**
648.3602	6	A	9	**1020.6015**	**510.8046**
705.3817	7	G	8	**949.5643**	**475.2861**
762.4032	8	G	7	892.5429	446.7754
890.4617	9	Q	6	**835.5214**	418.2646
1018.5203	10	Q	5	707.4628	354.2353
1147.5629	11	E	4	579.4043	290.2060
1309.7210	12	K	3	**450.3617**	**225.6847**
1422.8051	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

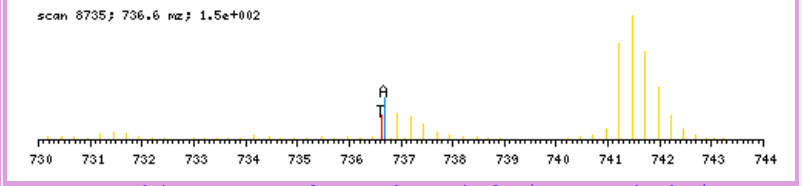
N-term:+35.07 C(2):+160.03
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDAEKSAVSCLWAKVNPDEVGGEALGR, MH+ 2943.4886, m/z 736.6276
L OS G34 P160811 220811-s1.08736.08736.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



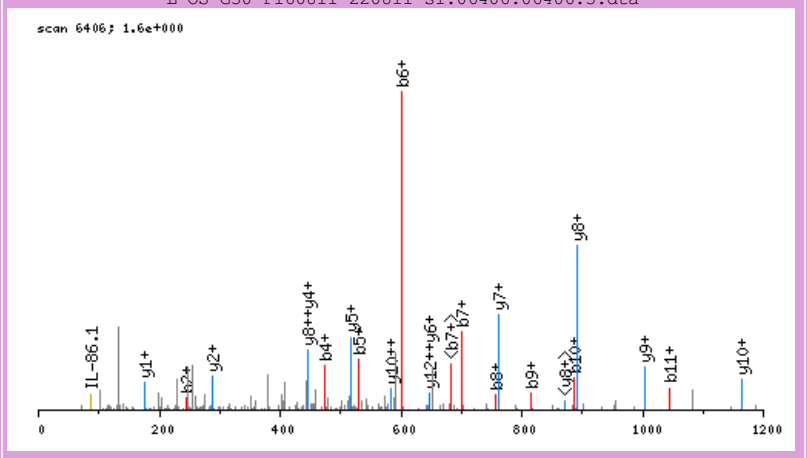
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	27		
245.1137	2	D	26	2814.4096	1407.7087
316.1508	3	A	25	2699.3827	1350.1953
445.1934	4	E	24	2628.3456	1314.6767
601.3197	5	K	23	2499.3030	1250.1554
688.3518	6	S	22	2343.1767	1172.0923
759.3889	7	A	21	2256.1447	1128.5762
858.4573	8	V	20	2185.1076	**1093.0577**
945.4893	9	S	19	2086.0391	**1043.5235**
1105.5199	10	C	18	1999.0071	**1000.0075**
1218.6040	11	L	17	1838.9765	**919.9922**
1404.6833	12	W	16	1725.8924	**863.4501**
1475.7204	13	A	15	1539.8131	**770.4105**
1631.8467	14	K	14	1468.7760	**734.8919**
1730.9151	15	V	13	1312.6497	656.8288
1844.9580	16	N	12	1213.5813	607.2946
1942.0108	17	P	11	**1099.5384**	**550.2731**
2057.0378	18	D	10	1002.4856	501.7467
2186.0803	19	E	9	**887.4587**	444.2332
2285.1488	20	V	8	**758.4161**	**379.7120**
2342.1702	21	G	7	**659.3477**	330.1777
2399.1917	22	G	6	**602.3262**	301.6670
2528.2343	23	E	5	545.3047	273.1563
2599.2714	24	A	4	**416.2621**	208.6350
2712.3555	25	L	3	**345.2250**	173.1164
2769.3769	26	G	2	232.1410	116.5744
	27	R	1	175.1195	88.0637

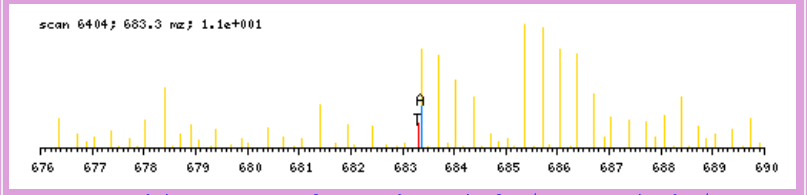
N-term:+29.04 K(5):+156.13
C(10):+160.03 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDDLGAVGGACLEDEASALR, MH+ 2047.9606, m/z 683.3250
L OS G30 P160811 220811-s1.06406.06406.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



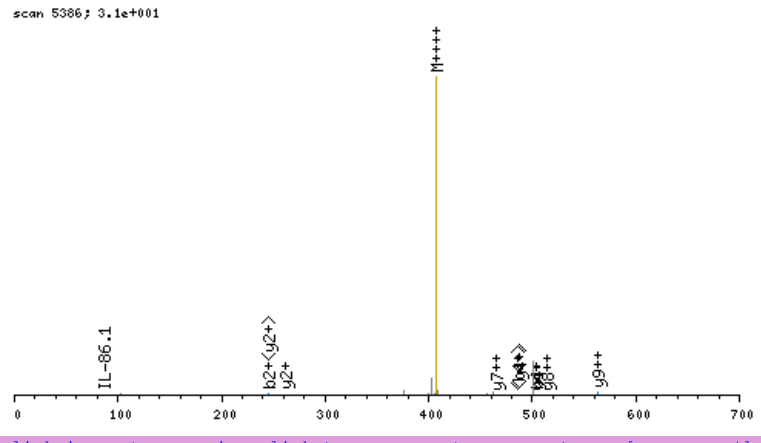
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
245.1137	2	D	19	1918.8816	959.9447
360.1407	3	D	18	1803.8547	902.4312
473.2247	4	L	17	1688.8277	844.9178
530.2462	5	G	16	1575.7436	788.3757
601.2833	6	A	15	1518.7222	759.8650
700.3517	7	V	14	1447.6851	724.3464
757.3732	8	G	13	1348.6167	674.8122
814.3946	9	G	12	1291.5952	**646.3015**
885.4318	10	A	11	1234.5737	617.7908
1045.4624	11	C	10	**1163.5366**	**582.2722**
1158.5464	12	L	9	**1003.5060**	502.2569
1287.5890	13	E	8	**890.4220**	**445.7149**
1402.6160	14	D	7	**761.3794**	381.1936
1531.6586	15	E	6	**646.3524**	323.6801
1602.6957	16	A	5	**517.3098**	259.1588
1689.7277	17	S	4	**446.2727**	223.6403
1760.7648	18	A	3	359.2407	180.1243
1873.8489	19	L	2	**288.2036**	144.6057
	20	R	1	**175.1195**	88.0637

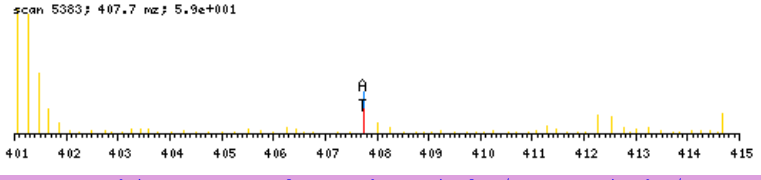
N-term:+29.04 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDEEPVKKLLESR, MH+ 1627.9271, m/z 407.7372
L OS G35 P160811 220811-s1.05386.05386.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



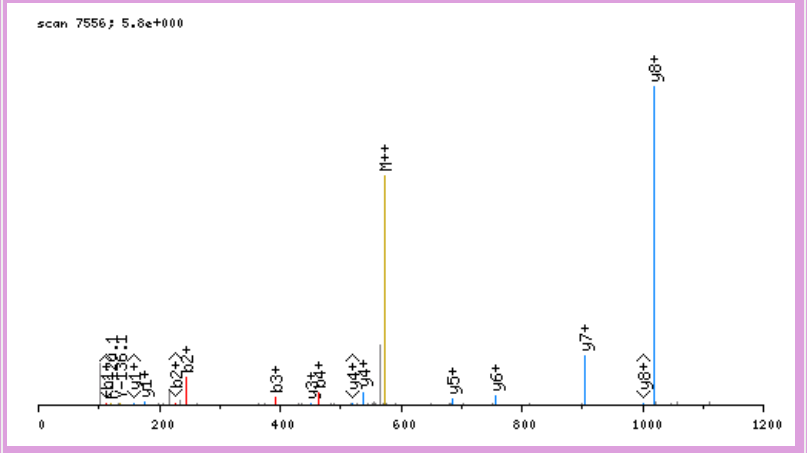
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
245.1137	2	D	12	1498.8482	749.9280
374.1563	3	E	11	1383.8212	692.4145
503.1989	4	E	10	1254.7786	627.8932
600.2517	5	P	9	1125.7360	**563.3719**
699.3201	6	V	8	1028.6833	**514.8455**
855.4464	7	K	7	929.6149	**465.3113**
1011.5727	8	K	6	773.4886	387.2482
1124.6567	9	L	5	617.3623	309.1850
1237.7408	10	L	4	**504.2782**	252.6430
1366.7834	11	E	3	391.1941	196.1010
1453.8154	12	S	2	**262.1515**	131.5797
	13	R	1	175.1195	88.0637

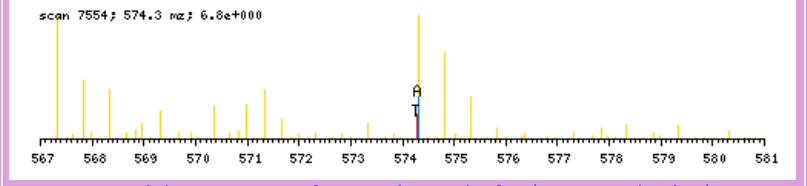
N-term:+29.04 K(7):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDFAFSLYR, MH+ 1147.5788, m/z 574.2930
L OS G31 P160811 220811-s1.07556.07556.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



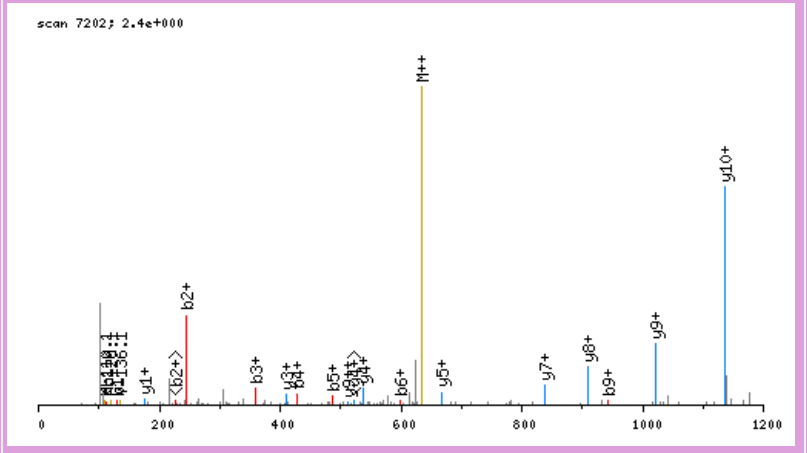
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	9		
245.1137	2	D	8	**1018.4998**	509.7538
392.1821	3	F	7	**903.4729**	452.2403
463.2192	4	A	6	**756.4044**	378.7061
610.2877	5	F	5	**685.3673**	343.1876
697.3197	6	S	4	**538.2989**	269.6534
810.4038	7	L	3	**451.2669**	226.1374
973.4671	8	Y	2	338.1828	169.5953
	9	R	1	**175.1195**	88.0637

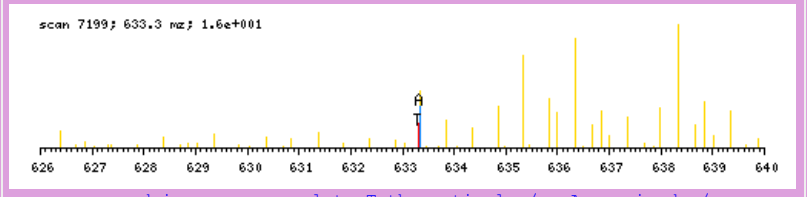
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDIAGLEESFR, MH+ 1265.6377, m/z 633.3225
L OS G31 P160811 220811-s1.07202.07202.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



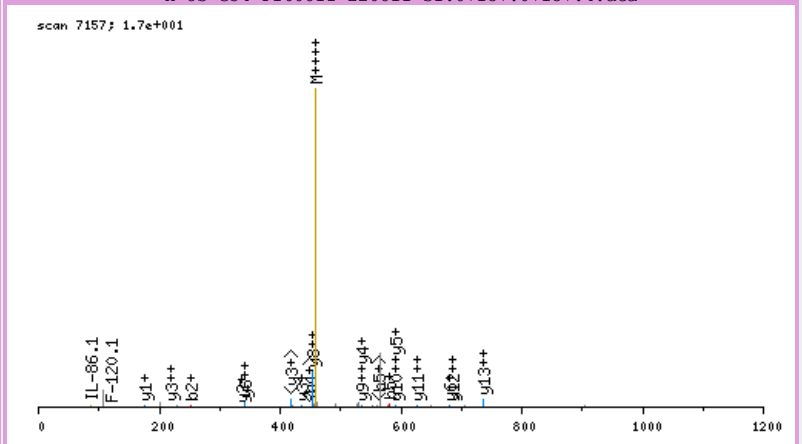
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
245.1137	2	D	10	1136.5588	568.7833
358.1978	3	I	9	1021.5318	511.2698
429.2349	4	A	8	908.4478	454.7278
486.2564	5	G	7	837.4107	419.2092
599.3404	6	L	6	780.3892	390.6985
728.3830	7	E	5	667.3051	334.1565
857.4256	8	E	4	538.2625	269.6352
944.4576	9	S	3	409.2199	205.1139
1091.5261	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

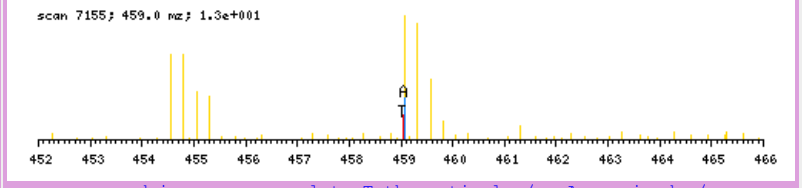
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TDITDAIKLDSGVVKR, MH+ 1833.1546, m/z 459.0441
H OS G34 P160811 220811-s1.07157.07157.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



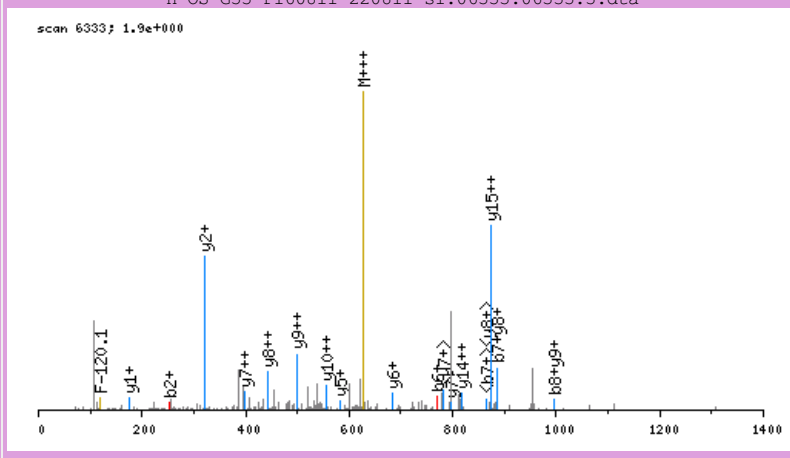
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
251.1455	2	D	15	1698.0438	849.5258
364.2296	3	I	14	1583.0169	792.0124
465.2773	4	T	13	1469.9328	**735.4703**
580.3042	5	D	12	1368.8851	**684.9465**
651.3413	6	A	11	1253.8582	**627.4330**
764.4254	7	I	10	1182.8211	**591.9145**
926.5835	8	K	9	1069.7370	**535.3724**
1039.6675	9	L	8	907.5789	**454.2934**
1154.6945	10	D	7	794.4949	397.7513
1241.7265	11	S	6	**679.4679**	**340.2379**
1298.7480	12	G	5	**592.4359**	296.7219
1397.8164	13	V	4	**535.4144**	268.2111
1496.8848	14	V	3	**436.3460**	**218.6769**
1659.0429	15	K	2	**337.2776**	169.1427
	16	R	1	**175.1195**	88.0637

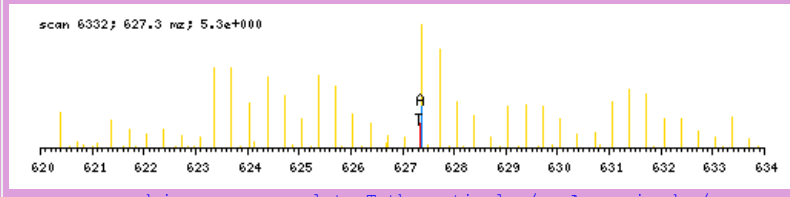
N-term:+35.07 K(8):+162.16
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDLEKDIISDTSGDFR, MH+ 1879.9925, m/z 627.3357
H OS G33 P160811 220811-s1.06333.06333.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



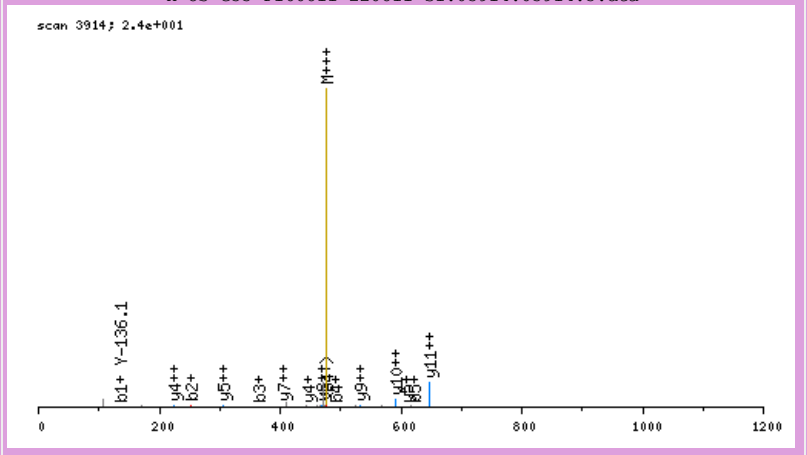
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
251.1455	2	D	15	1744.8818	**872.9448**
364.2296	3	L	14	1629.8548	**815.4313**
493.2722	4	E	13	1516.7708	758.8893
655.4303	5	K	12	1387.7282	694.3680
770.4572	6	D	11	1225.5701	613.2889
883.5413	7	I	10	1110.5431	**555.7755**
996.6253	8	I	9	**997.4591**	**499.2334**
1083.6574	9	S	8	**884.3750**	**442.6914**
1198.6843	10	D	7	**797.3430**	**399.1754**
1299.7320	11	T	6	**682.3160**	341.6619
1386.7640	12	S	5	**581.2683**	291.1381
1443.7855	13	G	4	494.2363	247.6221
1558.8124	14	D	3	437.2149	219.1113
1705.8808	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

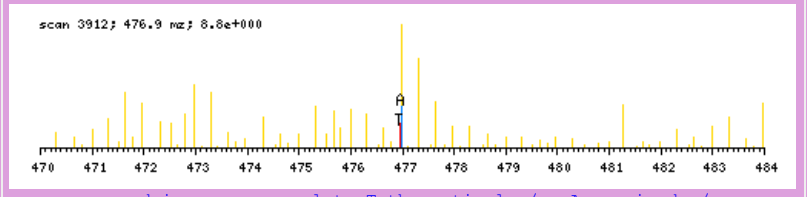
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDLQEAEKTIGR, MH+ 1428.8334, m/z 476.9493
H OS G33 P160811 220811-s1.03914.03914.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



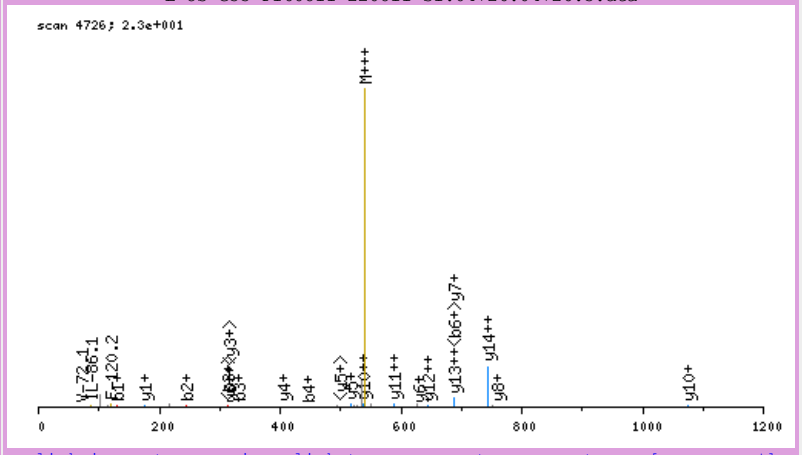
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
251.1455	2	D	11	1293.7227	647.3653
364.2296	3	L	10	1178.6957	589.8518
492.2882	4	Q	9	1065.6117	533.3098
621.3308	5	E	8	937.5531	469.2805
692.3679	6	A	7	808.5105	404.7592
821.4105	7	E	6	737.4734	369.2406
983.5686	8	K	5	608.4308	304.7193
1084.6162	9	T	4	446.2727	223.6403
1197.7003	10	I	3	345.2250	173.1164
1254.7218	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

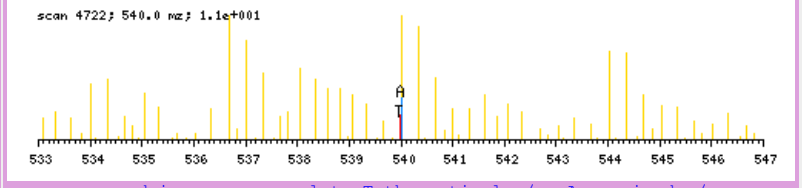
N-term:+35.07 K(8):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDSLVCKAGIIASAR, MH+ 1617.8998, m/z 539.9714
L OS G33 P160811 220811-s1.04726.04726.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



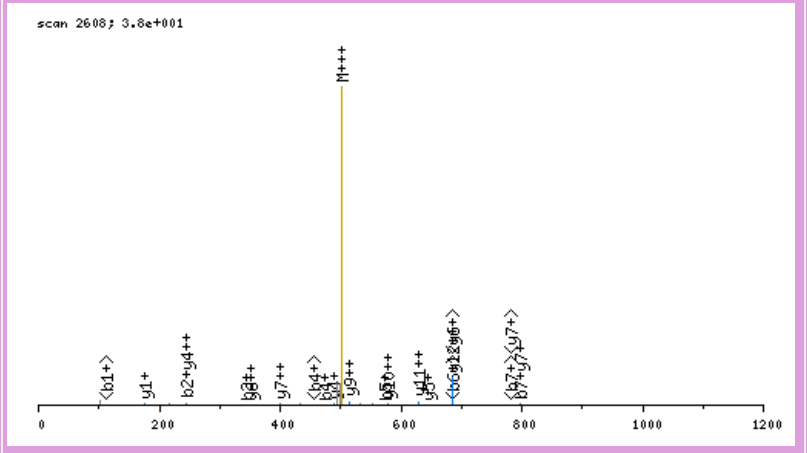
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
245.1137	2	D	14	1488.8208	744.9143
332.1458	3	S	13	1373.7939	687.4008
445.2298	4	L	12	1286.7618	643.8848
544.2982	5	V	11	1173.6778	587.3428
704.3288	6	C	10	1074.6094	537.8086
860.4551	7	K	9	914.5788	457.7933
931.4922	8	A	8	758.4525	379.7301
988.5137	9	G	7	687.4153	344.2116
1101.5978	10	I	6	630.3939	315.7009
1214.6818	11	I	5	517.3098	259.1588
1285.7189	12	A	4	404.2258	202.6168
1372.7510	13	S	3	333.1886	167.0982
1443.7881	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

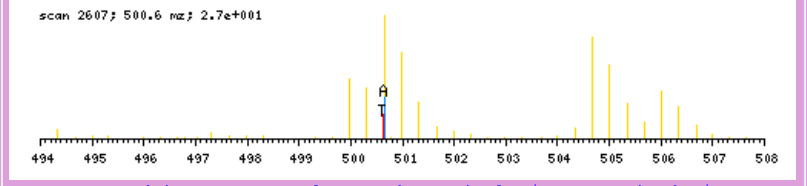
N-term:+29.04 C(6):+160.03
K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDVETQPGKTVIR, MH+ 1499.8433, m/z 500.6193
L OS G33 P160811 220811-s1.02608.02608.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



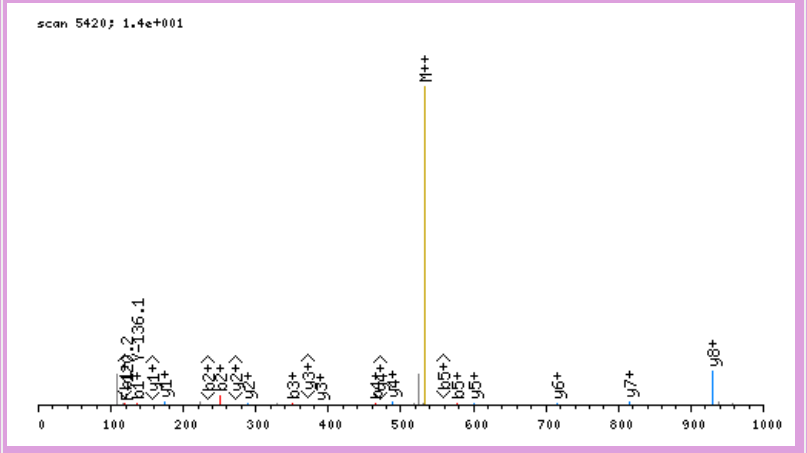
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
245.1137	2	D	12	1370.7644	**685.8861**
344.1821	3	V	11	1255.7374	**628.3726**
473.2247	4	E	10	1156.6690	**578.8384**
574.2724	5	T	9	1027.6264	**514.3171**
702.3310	6	Q	8	926.5788	463.7933
799.3837	7	P	7	**798.5202**	**399.7640**
856.4052	8	G	6	701.4674	**351.2376**
1012.5315	9	K	5	**644.4460**	322.7269
1113.5792	10	T	4	**488.3197**	**244.6637**
1212.6476	11	V	3	387.2720	194.1399
1325.7317	12	I	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

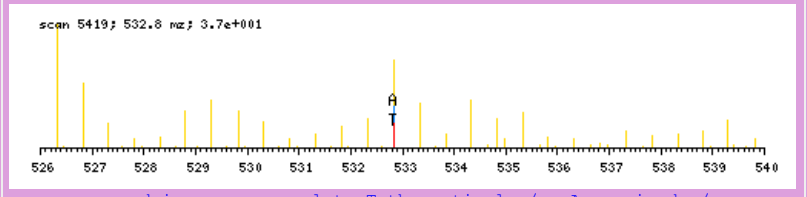
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TDVNIVTIR, MH+ 1064.6528, m/z 532.8300
H OS G31 P160811 220811-s1.05420.05420.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



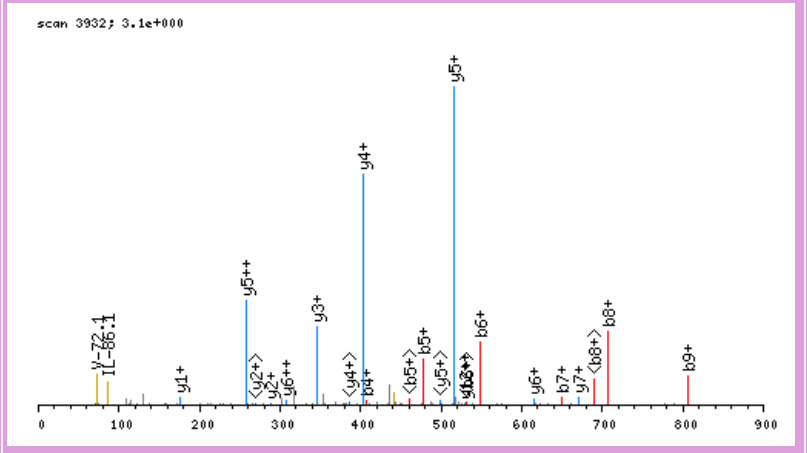
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	9		
251.1455	2	D	8	929.5420	465.2749
350.2139	3	V	7	814.5151	407.7614
464.2569	4	N	6	715.4466	358.2272
577.3409	5	I	5	601.4037	301.2058
676.4093	6	V	4	488.3197	244.6637
777.4570	7	T	3	389.2512	195.1295
890.5411	8	I	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

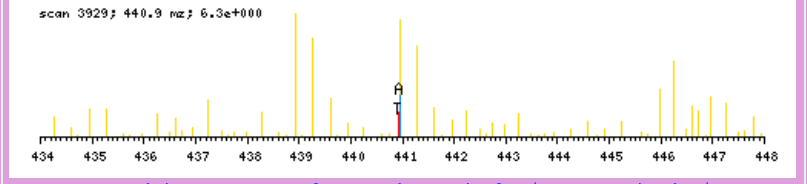
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEAAAATGVIGGIR, MH+ 1320.7699, m/z 440.9282
H OS G30 P160811 220811-s1.03932.03932.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



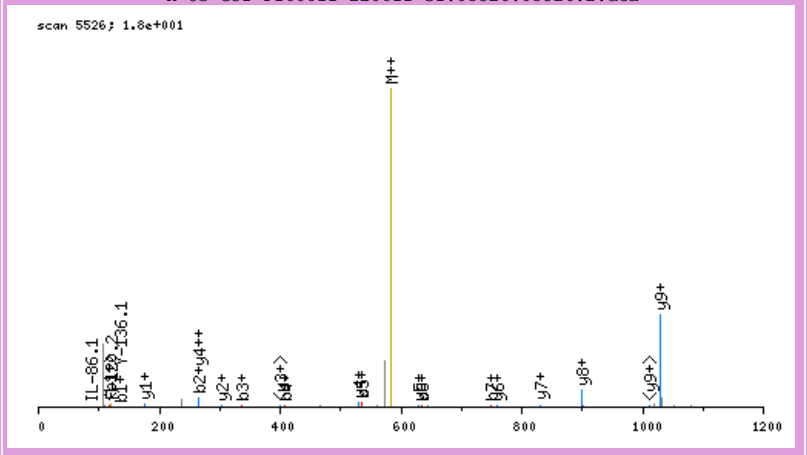
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
265.1612	2	E	13	1185.6592	593.3335
336.1983	3	A	12	1056.6166	**528.8122**
407.2354	4	A	11	985.5795	493.2936
478.2725	5	A	10	914.5423	457.7751
549.3096	6	A	9	843.5052	422.2565
650.3573	7	T	8	772.4681	386.7380
707.3788	8	G	7	**671.4204**	336.2141
806.4472	9	V	6	**614.3990**	**307.7034**
919.5312	10	I	5	**515.3306**	**258.1692**
976.5527	11	G	4	**402.2465**	201.6272
1033.5742	12	G	3	**345.2250**	173.1164
1146.6582	13	I	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

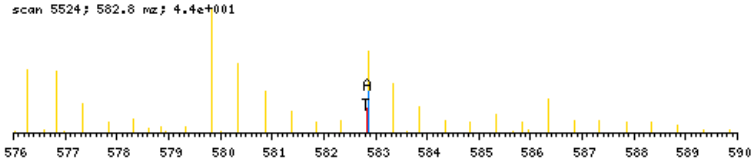
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEAAEVLLER, MH+ 1164.6688, m/z 582.8380
H OS G31 P160811 220811-s1.05526.05526.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



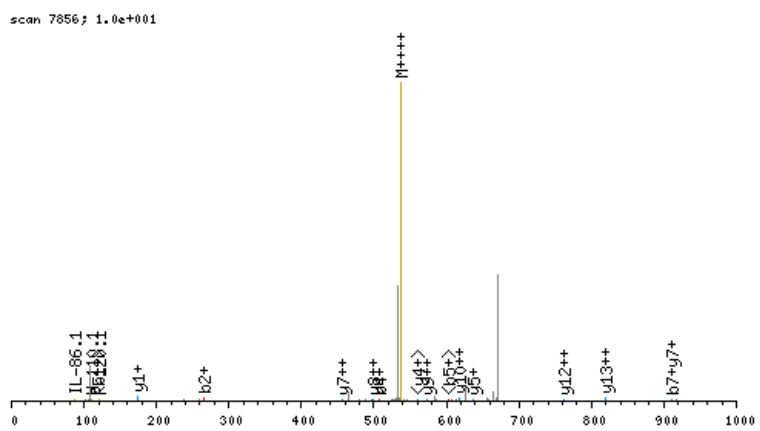
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	10		
265.1612	2	E	9	1029.5580	515.2829
336.1983	3	A	8	900.5155	450.7616
407.2354	4	A	7	829.4783	415.2431
536.2780	5	E	6	758.4412	379.7245
635.3464	6	V	5	629.3986	315.2032
748.4305	7	L	4	530.3302	265.6690
861.5145	8	L	3	417.2462	209.1270
990.5571	9	E	2	304.1621	152.5850
	10	R	1	175.1195	88.0637

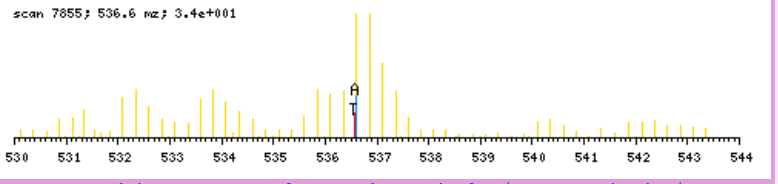
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEEILEKSFSQFGKLER, MH+ 2143.2499, m/z 536.5679
H OS G34 P160811 220811-s1.07856.07856.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



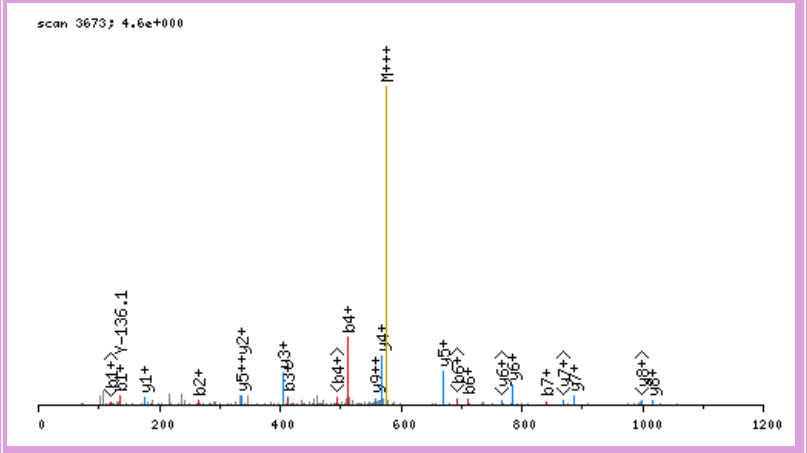
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	17		
265.1612	2	E	16	2008.1392	1004.5735
394.2038	3	E	15	1879.0966	940.0522
507.2878	4	I	14	1750.0540	875.5309
620.3719	5	L	13	1636.9699	**818.9889**
749.4145	6	E	12	1523.8859	**762.4469**
911.5726	7	K	11	1394.8433	697.9256
998.6046	8	S	10	1232.6852	**616.8465**
1145.6730	9	F	9	1145.6532	**573.3305**
1232.7051	10	S	8	998.5847	**499.7963**
1360.7636	11	Q	7	**911.5527**	**456.2803**
1507.8320	12	F	6	783.4941	392.2510
1564.8535	13	G	5	**636.4257**	318.7168
1727.0116	14	K	4	579.4043	290.2060
1840.0957	15	L	3	417.2462	209.1270
1969.1383	16	E	2	304.1621	152.5850
	17	R	1	**175.1195**	88.0637

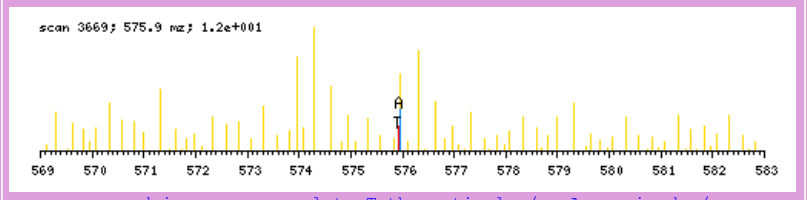
N-term:+35.07 K(7):+162.16
K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEFTPTETDTYACR, MH+ 1725.7853, m/z 575.9333
H OS G30 P160811 220811-s1.03673.03673.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



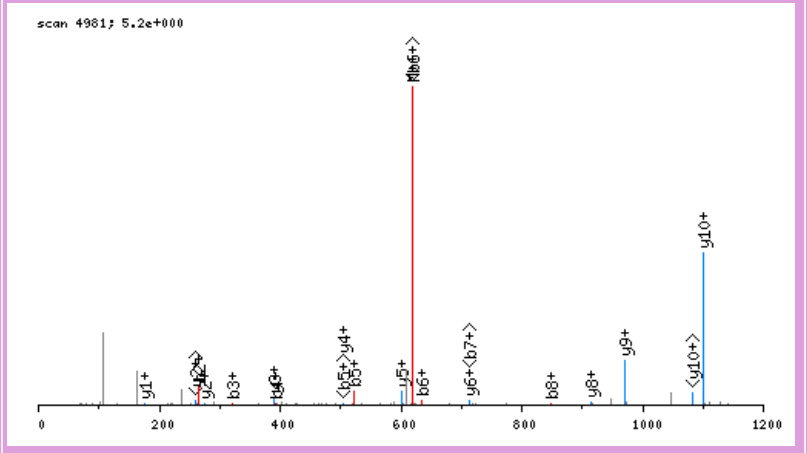
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
265.1612	2	E	13	1590.6746	795.8412
412.2296	3	F	12	1461.6320	731.3199
513.2773	4	T	11	1314.5636	657.7857
610.3300	5	P	10	1213.5159	607.2619
711.3777	6	T	9	1116.4631	558.7355
840.4203	7	E	8	1015.4154	508.2116
941.4680	8	T	7	886.3728	443.6903
1056.4949	9	D	6	785.3252	393.1665
1157.5426	10	T	5	670.2982	335.6530
1320.6059	11	Y	4	569.2505	285.1292
1391.6430	12	A	3	406.1872	203.5975
1551.6736	13	C	2	335.1501	168.0790
	14	R	1	175.1195	88.0637

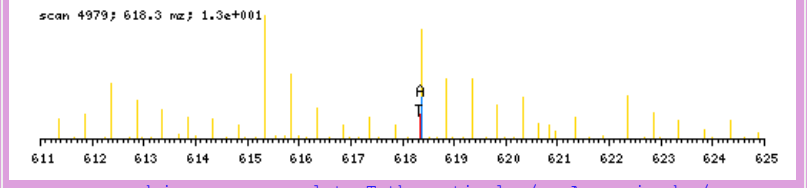
N-term:+35.07 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEGAELPDITR, MH+ 1235.6695, m/z 618.3384
H OS G31 P160811 220811-s1.04981.04981.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

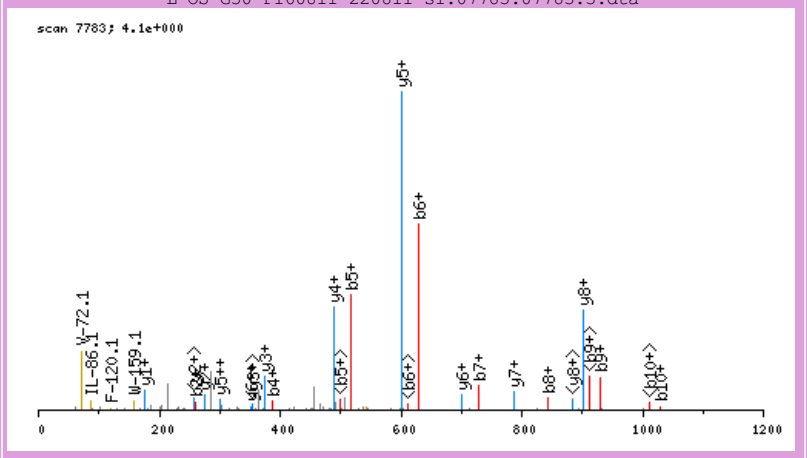


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

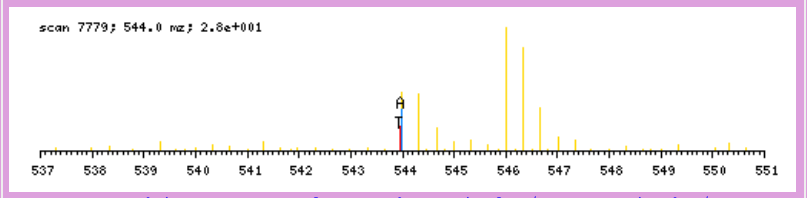
b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	11		
265.1612	2	E	10	1100.5588	550.7833
322.1826	3	G	9	971.5162	486.2620
393.2197	4	A	8	914.4947	457.7513
522.2623	5	E	7	843.4576	422.2327
635.3464	6	L	6	714.4150	357.7114
732.3992	7	P	5	601.3310	301.1694
847.4261	8	D	4	504.2782	252.6430
960.5102	9	I	3	389.2512	195.1295
1061.5579	10	T	2	276.1672	138.5875
	11	R	1	175.1195	88.0637

N-term:+35.07

TEGAELVDSVLDVVR, MH+ 1629.8699, m/z 543.9615
L OS G30 P160811 220811-s1.07783.07783.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

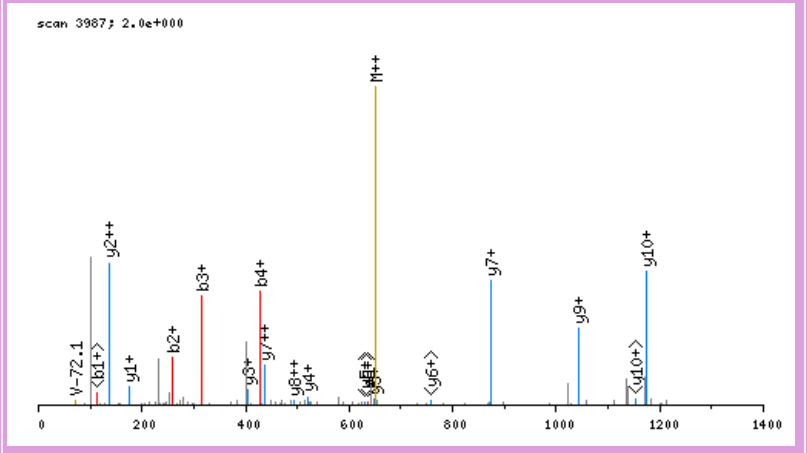
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
259.1294	2	E	14	1500.7910	750.8994
316.1508	3	G	13	1371.7484	686.3781
387.1879	4	A	12	1314.7269	657.8674
516.2305	5	E	11	1243.6898	622.3488
629.3146	6	L	10	1114.6472	557.8275
728.3830	7	V	9	1001.5631	501.2855
843.4100	8	D	8	**902.4947**	451.7513
930.4420	9	S	7	**787.4678**	394.2378
1029.5104	10	V	6	**700.4357**	**350.7218**
1142.5945	11	L	5	**601.3673**	**301.1876**
1257.6214	12	D	4	**488.2833**	244.6455
1356.6898	13	V	3	**373.2563**	187.1321
1455.7582	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

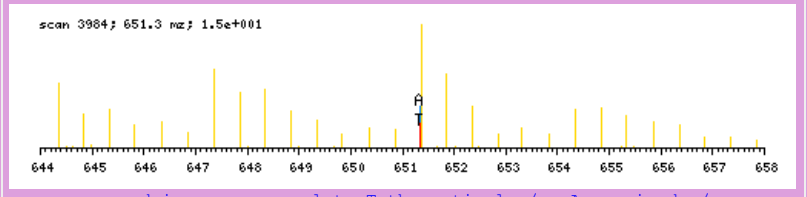
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEGIPQQDMVR, MH+ 1301.6523, m/z 651.3298
L OS G31 P160811 220811-s1.03987.03987.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



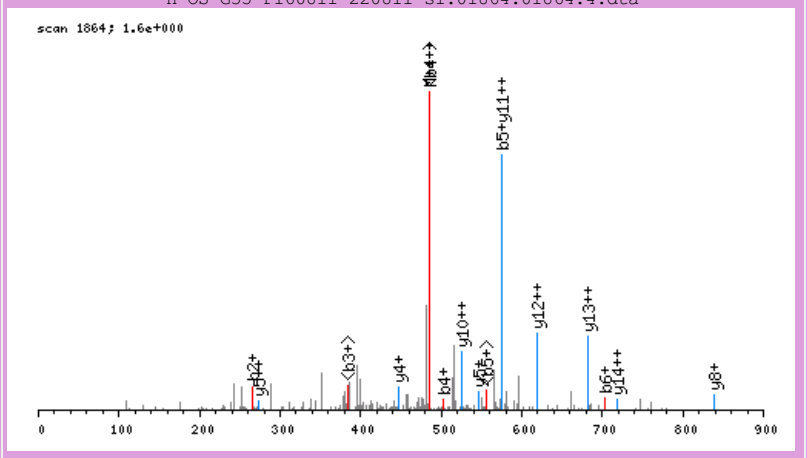
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
259.1294	2	E	10	**1172.5734**	586.7906
316.1508	3	G	9	**1043.5308**	522.2693
429.2349	4	I	8	986.5093	**493.7586**
526.2877	5	P	7	**873.4253**	**437.2165**
654.3462	6	Q	6	776.3725	388.6902
782.4048	7	Q	5	**648.3139**	324.6609
897.4318	8	D	4	**520.2553**	260.6316
1028.4722	9	M	3	**405.2284**	203.1181
1127.5407	10	V	2	274.1879	**137.5979**
	11	R	1	**175.1195**	88.0637

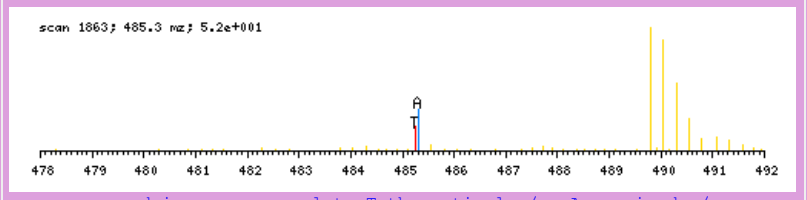
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEHTAESPGRPPPTAAER, MH+ 1937.9893, m/z 485.2528
H OS G35 P160811 220811-s1.01864.01864.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



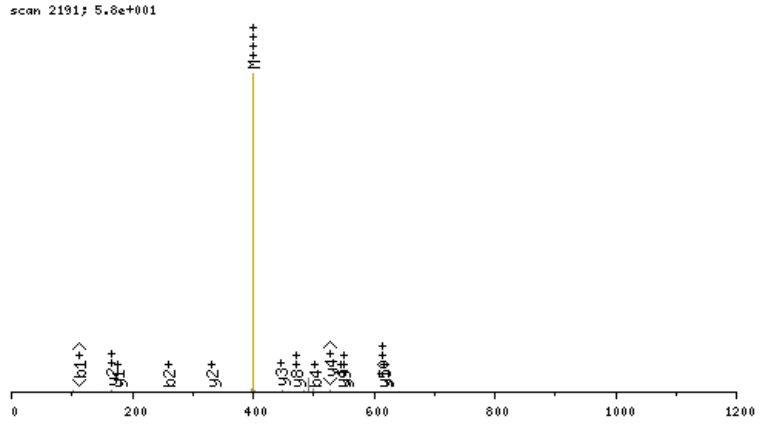
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	18		
265.1612	2	E	17	1802.8785	901.9432
402.2201	3	H	16	1673.8360	837.4219
503.2678	4	T	15	1536.7770	768.8924
574.3049	5	A	14	1435.7294	**718.3686**
703.3475	6	E	13	1364.6923	**682.8500**
790.3795	7	S	12	1235.6497	**618.3287**
887.4323	8	P	11	1148.6176	**574.8127**
944.4537	9	G	10	1051.5649	**526.2863**
1100.5548	10	R	9	994.5434	497.7756
1197.6076	11	P	8	**838.4423**	419.7251
1294.6604	12	P	7	741.3895	371.1987
1391.7131	13	P	6	644.3368	322.6723
1492.7608	14	T	5	**547.2840**	**274.1459**
1563.7979	15	A	4	**446.2363**	223.6221
1634.8350	16	A	3	375.1992	188.1035
1763.8776	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

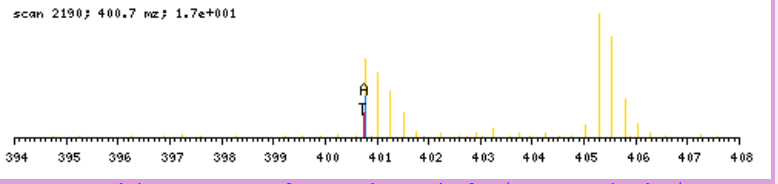
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEIEKQAQAVDKR, MH+ 1599.9070, m/z 400.7322
L OS G34 P160811 220811-s1.02191.02191.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



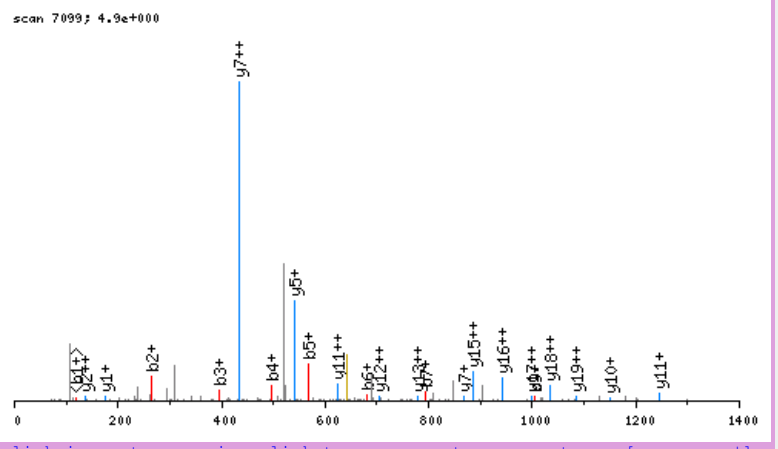
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
259.1294	2	E	12	1470.8281	735.9180
372.2134	3	I	11	1341.7855	671.3967
501.2560	4	E	10	1228.7014	**614.8546**
657.3823	5	K	9	1099.6588	**550.3333**
785.4409	6	Q	8	943.5325	**472.2702**
856.4780	7	A	7	815.4740	408.2409
984.5366	8	Q	6	744.4368	372.7223
1055.5737	9	A	5	**616.3783**	308.6930
1154.6421	10	V	4	**545.3412**	273.1745
1269.6691	11	D	3	**446.2727**	223.6403
1425.7954	12	K	2	**331.2458**	**166.1268**
	13	R	1	**175.1195**	88.0637

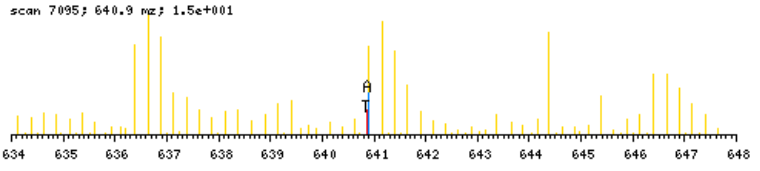
N-term:+29.04 K(5):+156.13
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEMVALNPDFKPPADYKPPATR, MH+ 2560.4334, m/z 640.8638
H OS G34 P160811 220811-s1.07099.07099.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



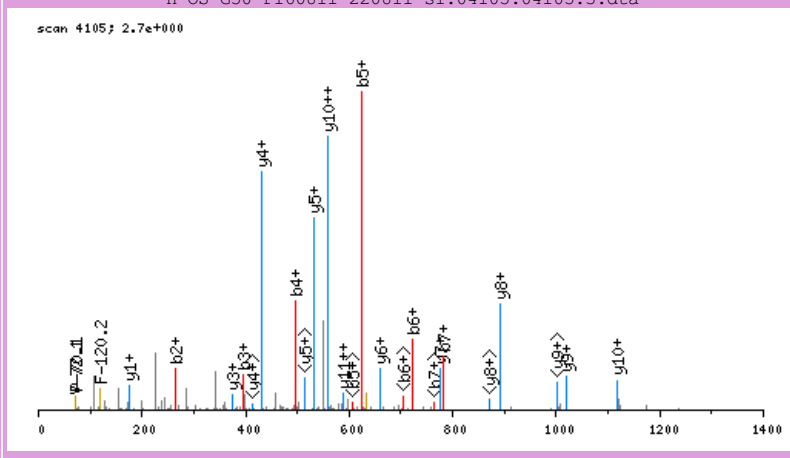
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	22		
265.1612	2	E	21	2425.3227	1213.1652
396.2017	3	M	20	2296.2801	1148.6439
495.2701	4	V	19	2165.2396	**1083.1237**
566.3072	5	A	18	2066.1712	**1033.5895**
679.3912	6	L	17	1995.1340	**998.0709**
793.4342	7	N	16	1882.0500	**941.5289**
890.4869	8	P	15	1768.0071	**884.5074**
1005.5139	9	D	14	1670.9543	835.9811
1152.5823	10	F	13	1555.9273	**778.4676**
1314.7404	11	K	12	1408.8589	**704.9334**
1411.7932	12	P	11	**1246.7008**	**623.8543**
1508.8459	13	P	10	**1149.6481**	575.3279
1579.8830	14	A	9	1052.5953	526.8016
1694.9100	15	D	8	981.5582	491.2830
1857.9733	16	Y	7	**866.5312**	**433.7695**
2020.1314	17	K	6	703.4679	352.2379
2117.1842	18	P	5	**541.3098**	271.1588
2214.2369	19	P	4	444.2571	222.6324
2285.2741	20	A	3	347.2043	174.1061
2386.3217	21	T	2	276.1672	**138.5875**
	22	R	1	**175.1195**	88.0637

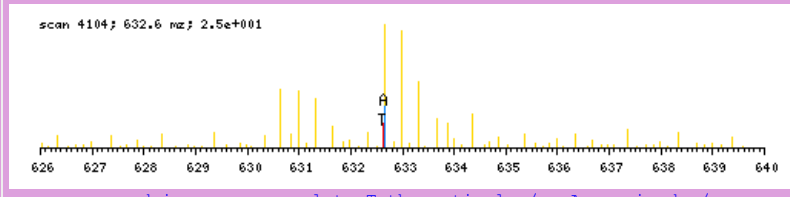
N-term:+35.07 K(11):+162.16
K(17):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEMVEVGPEDDEVGAER, MH+ 1895.8756, m/z 632.6301
H OS G30 P160811 220811-s1.04105.04105.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



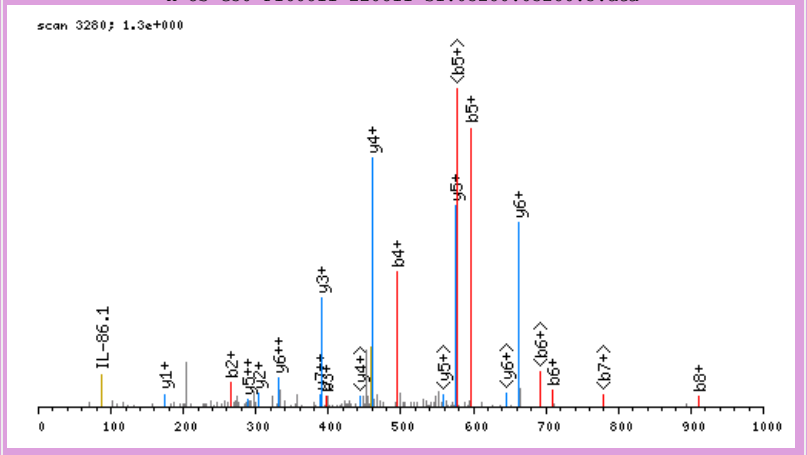
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	17		
265.1612	2	E	16	1760.7649	880.8864
396.2017	3	M	15	1631.7223	816.3651
495.2701	4	V	14	1500.6818	750.8448
624.3127	5	E	13	1401.6134	701.3106
723.3811	6	V	12	1272.5708	636.7893
780.4025	7	G	11	1173.5024	**587.2551**
877.4553	8	P	10	**1116.4809**	**558.7444**
1006.4979	9	E	9	**1019.4282**	510.2180
1121.5248	10	D	8	**890.3856**	445.6967
1236.5518	11	D	7	**775.3586**	388.1832
1365.5944	12	E	6	**660.3317**	330.6698
1464.6628	13	V	5	**531.2891**	266.1485
1521.6843	14	G	4	**432.2207**	216.6142
1592.7214	15	A	3	**375.1992**	188.1035
1721.7640	16	E	2	304.1621	152.5850
	17	R	1	**175.1195**	88.0637

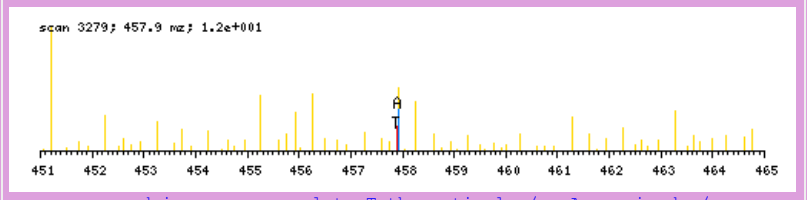
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TEMVTISDASQR, MH+ 1371.7002, m/z 457.9049
H OS G30 P160811 220811-s1.03280.03280.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



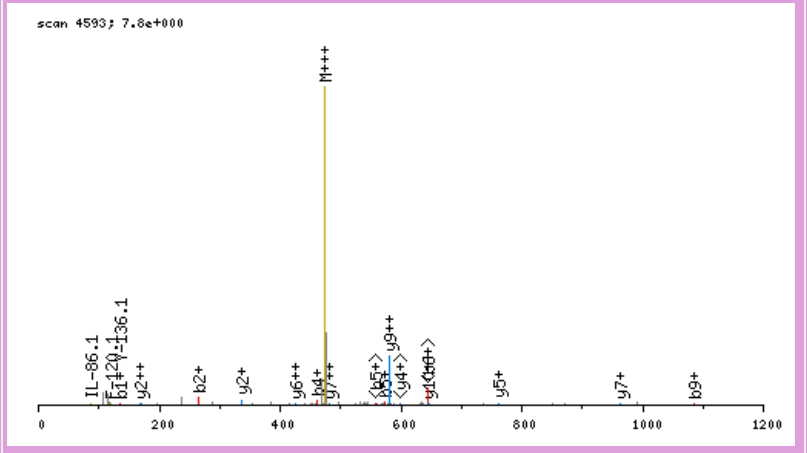
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
265.1612	2	E	11	1236.5894	618.7986
396.2017	3	M	10	1107.5468	554.2773
495.2701	4	V	9	976.5063	488.7571
596.3177	5	T	8	877.4379	439.2229
709.4018	6	I	7	776.3903	388.6990
796.4338	7	S	6	663.3062	332.1570
911.4608	8	D	5	576.2742	288.6410
982.4979	9	A	4	461.2472	231.1275
1069.5299	10	S	3	390.2101	195.6090
1197.5885	11	Q	2	303.1781	152.0930
	12	R	1	175.1195	88.0637

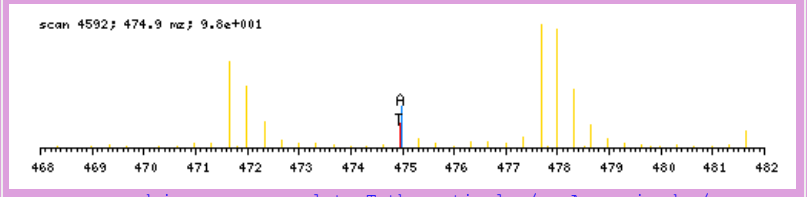
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEPVISFYDKR, MH+ 1422.8269, m/z 474.9472
H OS G33 P160811 220811-s1.04593.04593.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



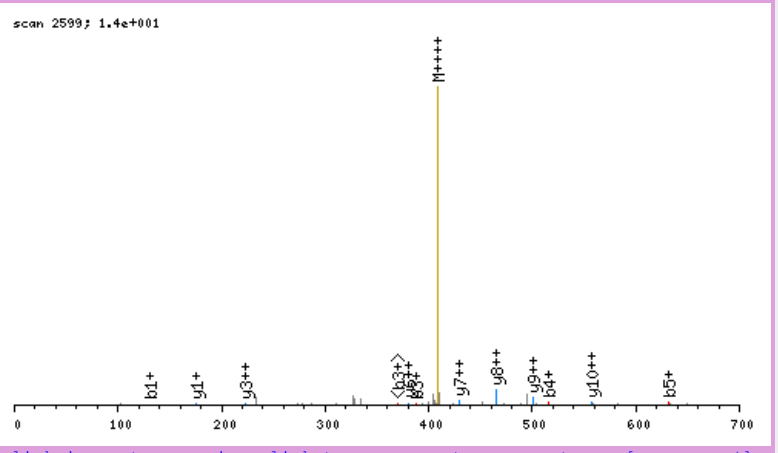
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**11**		
265.1612	**2**	**E**	**10**	1287.7161	**644.3620**
362.2139	**3**	**P**	**9**	1158.6736	**579.8407**
461.2823	**4**	**V**	**8**	1061.6208	531.3143
574.3664	**5**	**I**	**7**	**962.5524**	**481.7801**
661.3984	**6**	**S**	**6**	849.4683	**425.2381**
808.4669	**7**	**F**	**5**	**762.4363**	381.7221
971.5302	**8**	**Y**	**4**	615.3679	308.1878
1086.5571	**9**	**D**	**3**	452.3045	226.6562
1248.7152	**10**	**K**	**2**	**337.2776**	**169.1427**
	11	**R**	**1**	175.1195	88.0637

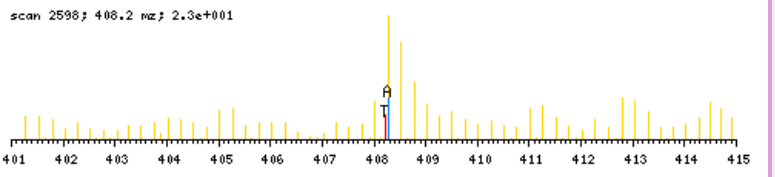
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TEQEDAAVAKSKLR, MH+ 1629.9176, m/z 408.2349
L OS G35 P160811 220811-s1.02599.02599.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



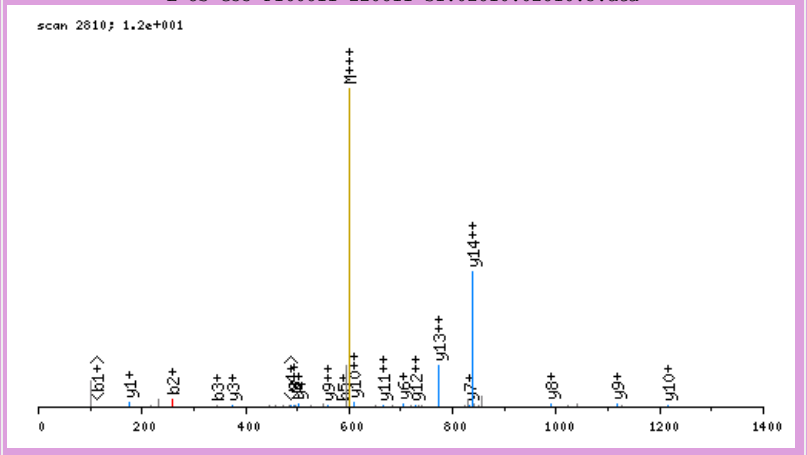
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
259.1294	2	E	13	1500.8387	750.9232
387.1879	3	Q	12	1371.7961	686.4019
516.2305	4	E	11	1243.7375	622.3727
631.2575	5	D	10	1114.6949	557.8514
702.2946	6	A	9	999.6679	500.3379
773.3317	7	A	8	928.6308	464.8193
872.4001	8	V	7	857.5937	429.3008
943.4372	9	A	6	758.5253	379.7666
1099.5635	10	K	5	687.4882	344.2480
1186.5956	11	S	4	531.3619	266.1849
1342.7219	12	K	3	444.3299	222.6688
1455.8059	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

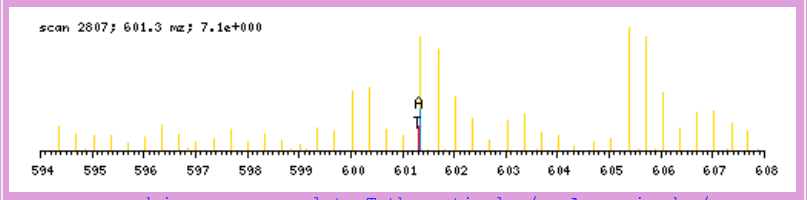
N-term:+29.04 K(10):+156.13
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TESQIVQKEAEQAER, MH+ 1801.9296, m/z 601.3147
L OS G33 P160811 220811-s1.02810.02810.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



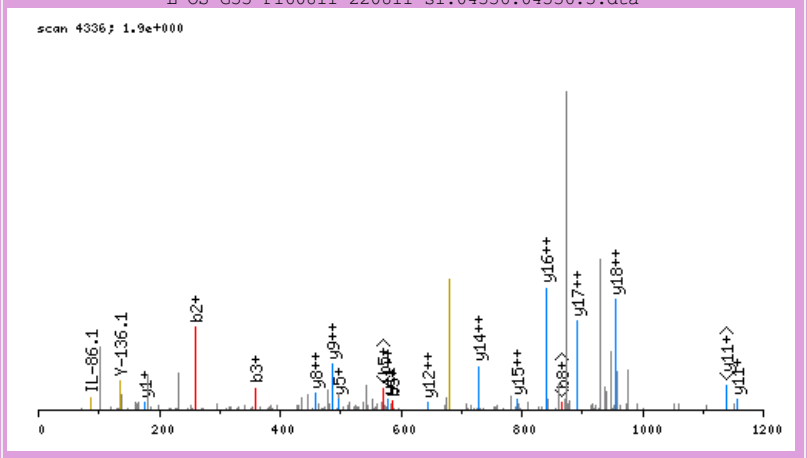
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
259.1294	2	E	14	1672.8506	836.9292
346.1614	3	S	13	1543.8080	772.4079
474.2200	4	Q	12	1456.7760	728.8919
587.3040	5	I	11	1328.7174	664.8626
686.3725	6	V	10	1215.6334	608.3206
814.4310	7	Q	9	1116.5650	558.7864
970.5573	8	K	8	988.5064	494.7571
1099.5999	9	E	7	832.3801	416.6940
1170.6370	10	A	6	703.3375	352.1727
1299.6796	11	E	5	632.3004	316.6541
1427.7382	12	Q	4	503.2578	252.1328
1498.7753	13	A	3	375.1992	188.1035
1627.8179	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

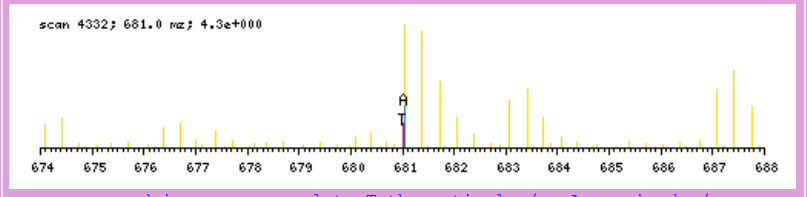
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TETPEPAMPSGVYRPPGAR, MH+ 2041.0177, m/z 681.0107
L OS G33 P160811 220811-s1.04336.04336.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



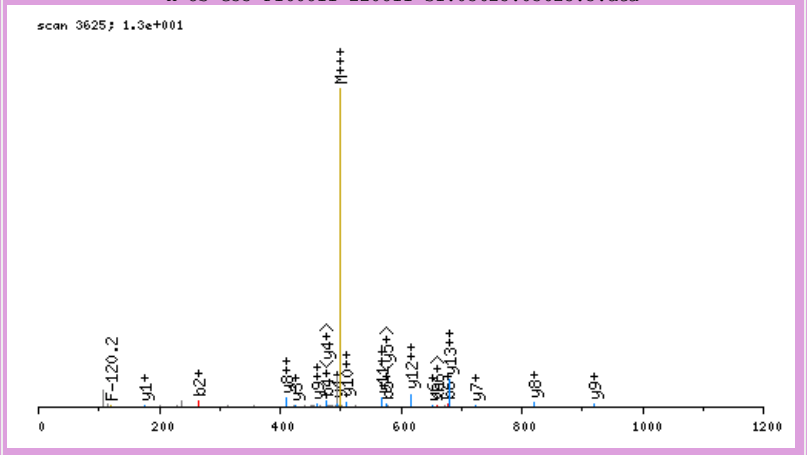
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
259.1294	2	E	18	1911.9387	**956.4733**
360.1771	3	T	17	1782.8961	**891.9520**
457.2298	4	P	16	1681.8484	**841.4281**
586.2724	5	E	15	1584.7957	**792.9017**
683.3252	6	P	14	1455.7531	**728.3805**
754.3623	7	A	13	1358.7003	679.8541
885.4028	8	M	12	1287.6632	**644.3355**
982.4555	9	P	11	**1156.6227**	**578.8153**
1069.4876	10	S	10	1059.5700	530.2889
1126.5090	11	G	9	972.5379	**486.7729**
1225.5774	12	V	8	915.5165	**458.2621**
1388.6408	13	Y	7	816.4480	408.7279
1544.7419	14	R	6	653.3847	327.1963
1641.7946	15	P	5	**497.2836**	249.1457
1738.8474	16	P	4	400.2308	200.6193
1795.8689	17	G	3	303.1781	152.0930
1866.9060	18	A	2	246.1566	123.5822
	19	R	1	**175.1195**	88.0637

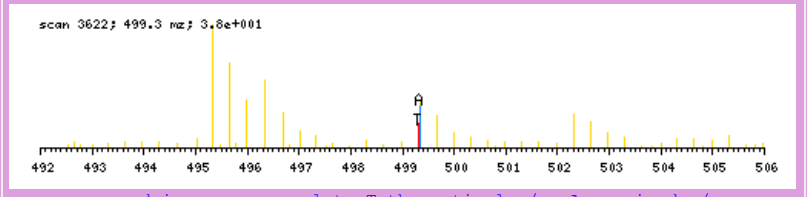
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEVLVTPAGVASKR, MH+ 1495.9484, m/z 499.3210
H OS G33 P160811 220811-s1.03625.03625.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



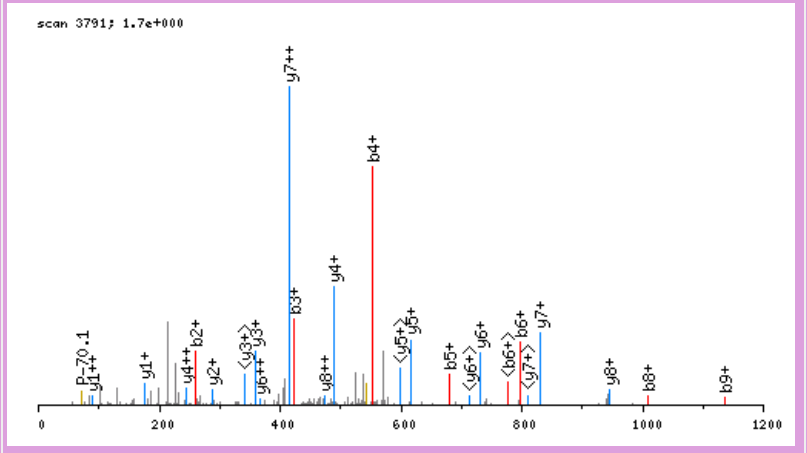
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
265.1612	2	E	13	1360.8377	**680.9227**
364.2296	3	V	12	1231.7951	**616.4014**
477.3136	4	L	11	1132.7267	**566.8672**
576.3821	5	V	10	1019.6426	**510.3252**
677.4297	6	T	9	**920.5742**	**460.7910**
774.4825	7	P	8	**819.5265**	**410.2672**
845.5196	8	A	7	**722.4737**	361.7408
902.5411	9	G	6	**651.4366**	326.2222
1001.6095	10	V	5	594.4152	297.7115
1072.6466	11	A	4	**495.3467**	248.1773
1159.6786	12	S	3	**424.3096**	212.6587
1321.8367	13	K	2	337.2776	169.1427
	14	R	1	**175.1195**	88.0637

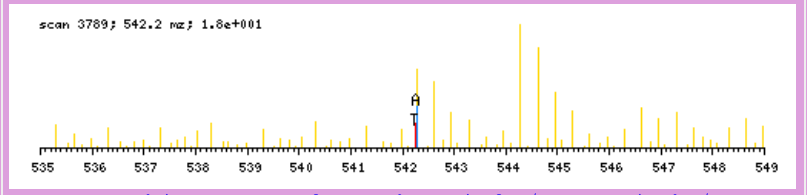
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TEYMQDPDEEALR, MH+ 1624.7165, m/z 542.2437
L OS G30 P160811 220811-s1.03791.03791.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



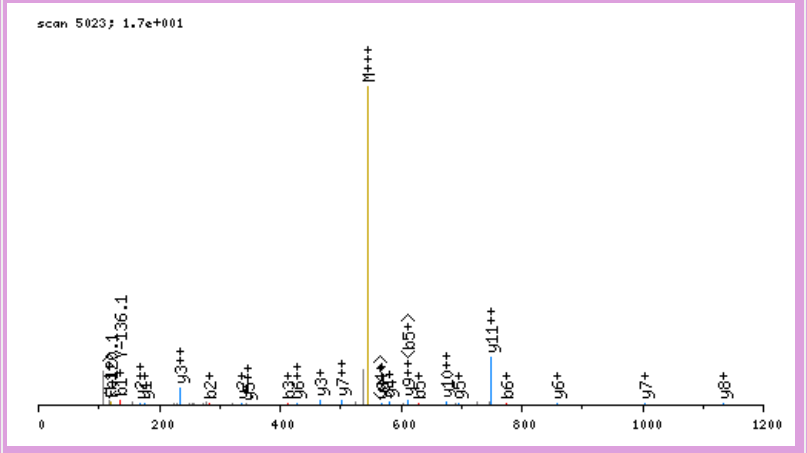
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
259.1294	2	E	12	1495.6375	748.3227
422.1927	3	Y	11	1366.5949	683.8014
553.2332	4	M	10	1203.5316	602.2697
681.2918	5	Q	9	1072.4911	536.7495
796.3187	6	D	8	944.4325	472.7202
893.3715	7	P	7	829.4056	415.2067
1008.3984	8	D	6	732.3528	366.6803
1137.4410	9	E	5	617.3259	309.1668
1266.4836	10	E	4	488.2833	244.6455
1337.5207	11	A	3	359.2407	180.1243
1450.6048	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

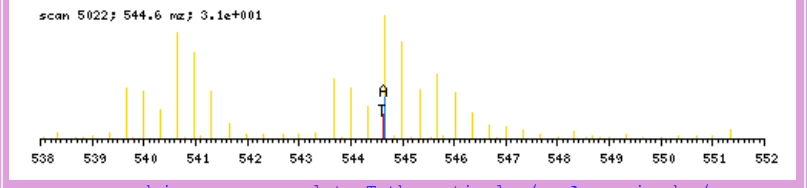
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TFESEFYLDEKR, MH+ 1631.8593, m/z 544.6246
H OS G33 P160811 220811-s1.05023.05023.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



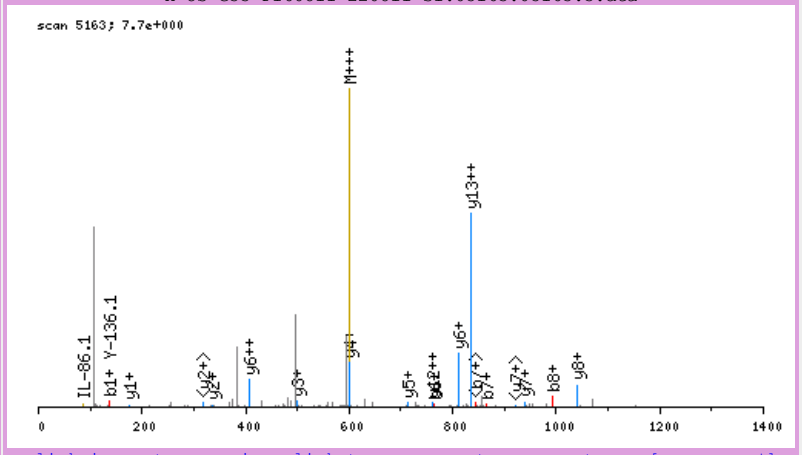
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
283.1870	2	F	11	1496.7486	748.8782
412.2296	3	E	10	1349.6802	675.3440
499.2616	4	S	9	1220.6376	610.8227
628.3042	5	E	8	1133.6055	567.3067
775.3726	6	F	7	1004.5629	502.7854
938.4359	7	Y	6	857.4945	429.2512
1051.5200	8	L	5	694.4312	347.7195
1166.5470	9	D	4	581.3471	291.1775
1295.5895	10	E	3	466.3202	233.6640
1457.7476	11	K	2	337.2776	169.1427
	12	R	1	175.1195	88.0637

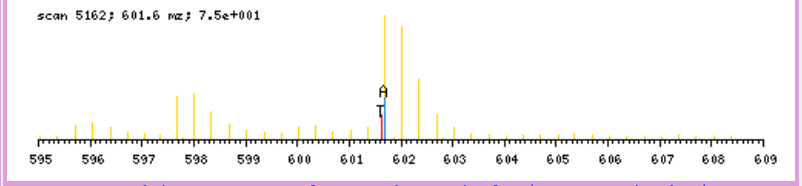
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TFGKFDVEPDTYCR, MH+ 1802.9059, m/z 601.6402
H OS G33 P160811 220811-s1.05163.05163.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



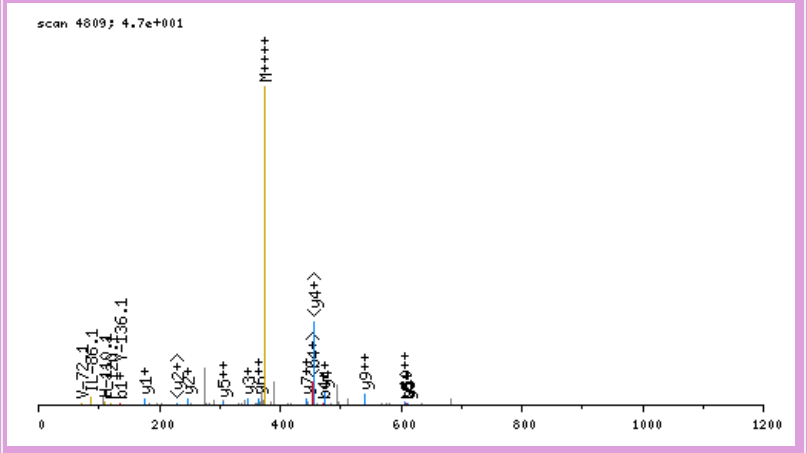
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**14**		
283.1870	**2**	**F**	**13**	1667.7952	**834.4015**
340.2085	**3**	**G**	**12**	1520.7267	**760.8673**
502.3666	**4**	**K**	**11**	1463.7053	732.3566
649.4350	**5**	**F**	**10**	1301.5472	651.2775
764.4619	**6**	**D**	**9**	1154.4788	577.7433
863.5303	**7**	**V**	**8**	**1039.4518**	520.2298
992.5729	**8**	**E**	**7**	**940.3834**	470.6956
1089.6257	**9**	**P**	**6**	**811.3408**	**406.1743**
1204.6526	**10**	**D**	**5**	**714.2881**	357.6479
1305.7003	**11**	**T**	**4**	**599.2611**	300.1345
1468.7636	**12**	**Y**	**3**	**498.2134**	249.6106
1628.7942	**13**	**C**	**2**	**335.1501**	168.0790
	14	**R**	**1**	**175.1195**	88.0637

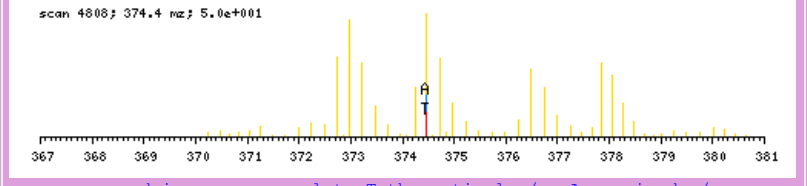
N-term:+35.07 K(4):+162.16
C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TFMGHYLHEVAR, MH+ 1494.7740, m/z 374.4489
H OS G35 P160811 220811-s1.04809.04809.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



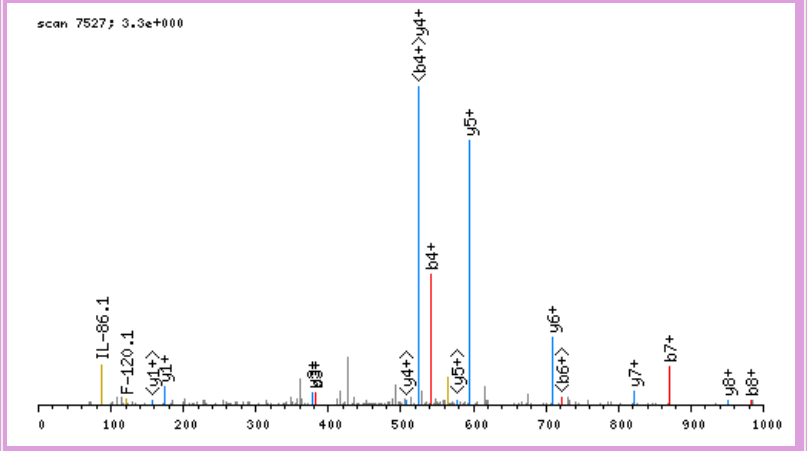
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**12**		
283.1870	**2**	**F**	**11**	1359.6632	680.3355
414.2275	**3**	**M**	**10**	1212.5948	**606.8013**
471.2489	**4**	**G**	**9**	1081.5543	**541.2811**
608.3079	**5**	**H**	**8**	1024.5328	512.7703
771.3712	**6**	**Y**	**7**	887.4739	**444.2409**
884.4552	**7**	**L**	**6**	724.4106	**362.7092**
1021.5142	**8**	**H**	**5**	**611.3265**	**306.1672**
1150.5568	**9**	**E**	**4**	**474.2676**	237.6377
1249.6252	**10**	**V**	**3**	**345.2250**	173.1164
1320.6623	**11**	**A**	**2**	**246.1566**	123.5822
	12	**R**	**1**	**175.1195**	88.0637

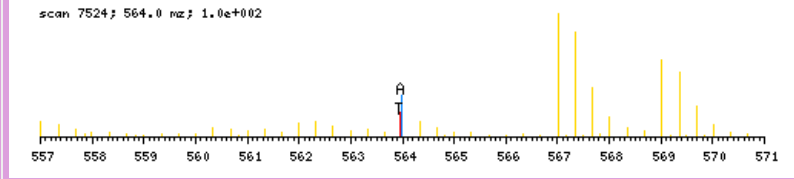
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TFVCPTEIIAFSDR, MH+ 1689.8733, m/z 563.9626
H_OS_G30_P160811_220811-s1.07527.07527.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



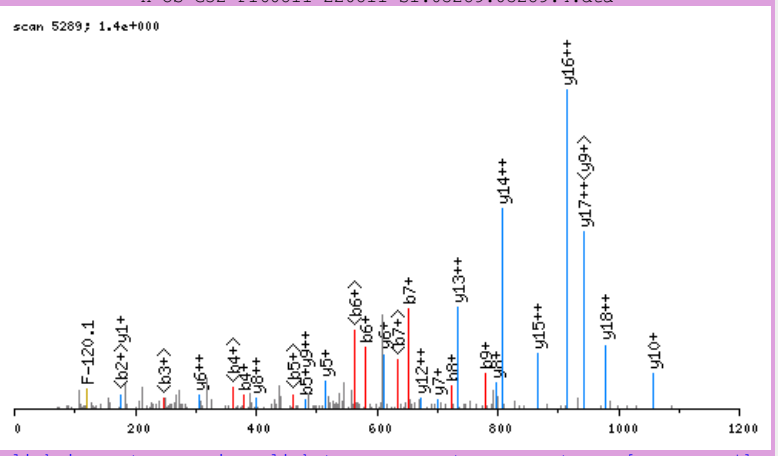
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
283.1870	2	F	13	1554.7626	777.8852
382.2554	3	V	12	1407.6942	704.3510
542.2860	4	C	11	1308.6258	654.8168
639.3388	5	P	10	1148.5952	574.8015
740.3864	6	T	9	1051.5424	526.2751
869.4290	7	E	8	**950.4947**	475.7513
982.5131	8	I	7	**821.4521**	411.2300
1095.5972	9	I	6	**708.3681**	354.6879
1166.6343	10	A	5	**595.2840**	298.1459
1313.7027	11	F	4	**524.2469**	262.6274
1400.7347	12	S	3	**377.1785**	189.0931
1515.7617	13	D	2	290.1464	145.5771
	14	R	1	**175.1195**	88.0637

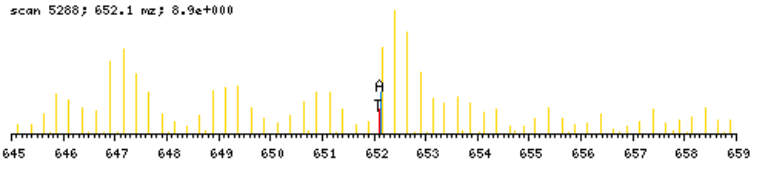
N-term:+35.07 C(4):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGADTTAAGPLFQQRPYPSPGAVLR, MH+ 2605.3950, m/z 652.1042
H OS G32 P160811 220811-s1.05289.05289.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



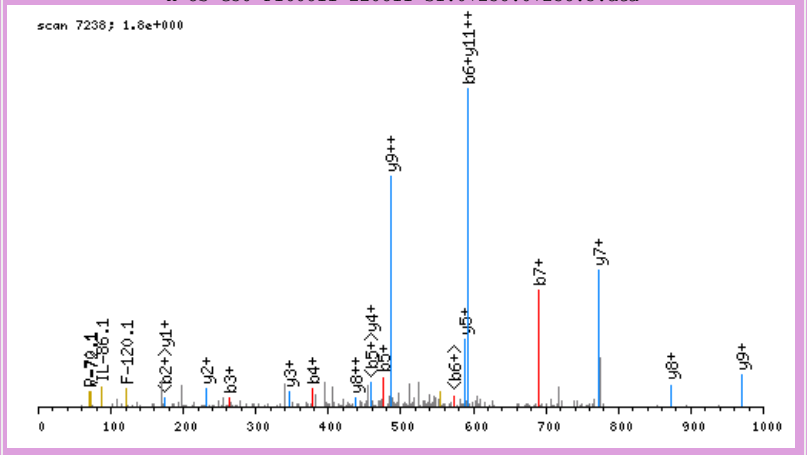
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	25		
193.1400	2	G	24	2470.2843	1235.6461
264.1772	3	A	23	2413.2628	1207.1353
379.2041	4	D	22	2342.2257	1171.6168
480.2518	5	T	21	2227.1988	1114.1033
581.2995	6	T	20	2126.1511	1063.5795
652.3366	7	A	19	2025.1034	1013.0556
723.3737	8	A	18	1954.0663	**977.5371**
780.3951	9	G	17	1883.0292	**942.0185**
877.4479	10	P	16	1826.0077	**913.5078**
990.5320	11	L	15	1728.9549	**864.9814**
1137.6004	12	F	14	1615.8709	**808.4394**
1265.6590	13	Q	13	1468.8025	**734.9051**
1393.7175	14	Q	12	1340.7439	**670.8759**
1549.8187	15	R	11	1212.6853	606.8466
1646.8714	16	P	10	**1056.5842**	528.7960
1809.9347	17	Y	9	959.5314	**480.2696**
1906.9875	18	P	8	**796.4681**	**398.7380**
1994.0195	19	S	7	**699.4153**	350.2116
2091.0723	20	P	6	**612.3833**	**306.6956**
2148.0938	21	G	5	**515.3306**	258.1692
2219.1309	22	A	4	458.3091	229.6585
2318.1993	23	V	3	387.2720	194.1399
2431.2834	24	L	2	288.2036	144.6057
	25	R	1	**175.1195**	88.0637

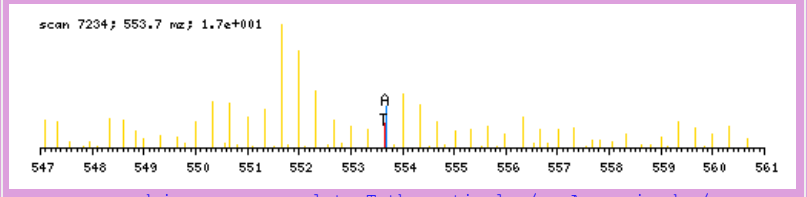
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGAIVDVPVGEELLGR, MH+ 1658.9541, m/z 553.6562
H OS G30 P160811 220811-s1.07238.07238.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



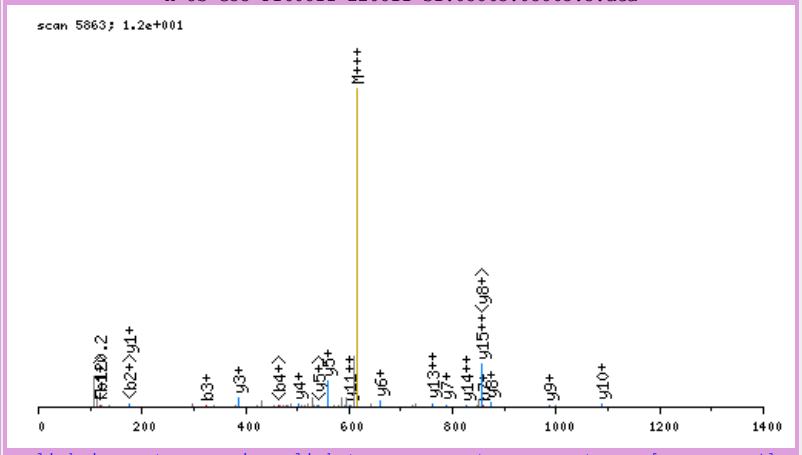
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
193.1400	2	G	15	1523.8433	762.4256
264.1772	3	A	14	1466.8219	733.9148
377.2612	4	I	13	1395.7848	698.3963
476.3296	5	V	12	1282.7007	641.8543
591.3566	6	D	11	1183.6323	**592.3201**
690.4250	7	V	10	1068.6053	534.8066
787.4778	8	P	9	**969.5369**	**485.2724**
886.5462	9	V	8	**872.4842**	**436.7460**
943.5676	10	G	7	**773.4157**	387.2118
1072.6102	11	E	6	716.3943	358.7011
1201.6528	12	E	5	**587.3517**	294.1798
1314.7369	13	L	4	**458.3091**	229.6585
1427.8209	14	L	3	**345.2250**	173.1164
1484.8424	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

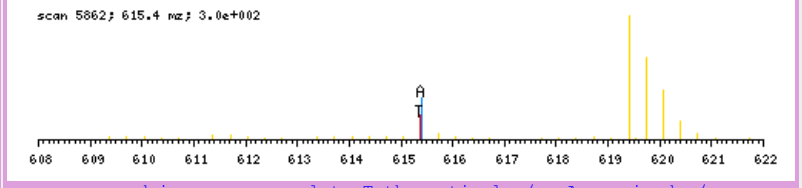
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TGECKITLSQVGDVLR, MH+ 1844.0587, m/z 615.3578
H OS G33 P160811 220811-s1.05863.05863.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



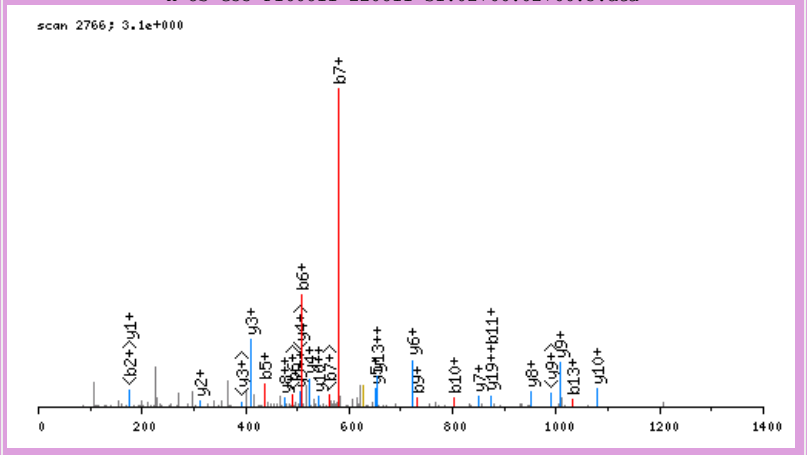
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
193.1400	2	G	15	1708.9480	**854.9779**
322.1826	3	E	14	1651.9265	**826.4672**
482.2132	4	C	13	1522.8839	**761.9459**
644.3713	5	K	12	1362.8533	681.9306
757.4554	6	I	11	1200.6952	**600.8515**
858.5031	7	T	10	**1087.6111**	544.3095
971.5871	8	L	9	**986.5635**	493.7856
1058.6192	9	S	8	**873.4794**	437.2436
1186.6777	10	Q	7	**786.4474**	393.7276
1285.7462	11	V	6	**658.3888**	329.6983
1342.7676	12	G	5	**559.3204**	280.1641
1457.7946	13	D	4	**502.2989**	251.6534
1556.8630	14	V	3	**387.2720**	194.1399
1669.9470	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

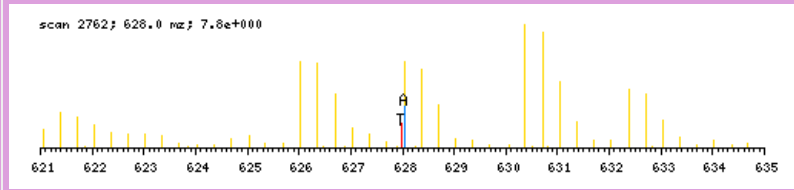
N-term:+35.07 C(4):+160.03
K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGGDAAAPGAAGTQAELPHR, MH+ 1881.9631, m/z 627.9925
H OS G33 P160811 220811-s1.02766.02766.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



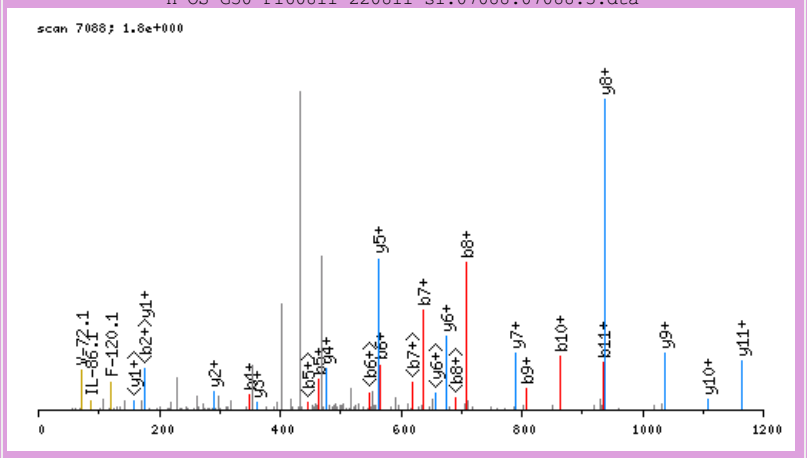
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	20		
193.1400	2	G	19	1746.8523	**873.9301**
250.1615	3	G	18	1689.8309	845.4193
365.1884	4	D	17	1632.8094	816.9086
436.2256	5	A	16	1517.7825	759.3951
507.2627	6	A	15	1446.7454	723.8766
578.2998	7	A	14	1375.7082	688.3580
675.3526	8	P	13	1304.6711	**652.8395**
732.3740	9	G	12	1207.6184	604.3131
803.4111	10	A	11	1150.5969	575.8024
874.4482	11	A	10	**1079.5598**	**540.2838**
931.4697	12	G	9	**1008.5227**	**504.7652**
1032.5174	13	T	8	**951.5012**	**476.2545**
1160.5760	14	Q	7	**850.4535**	425.7307
1231.6131	15	A	6	**722.3949**	361.7014
1360.6557	16	E	5	**651.3578**	326.1828
1473.7397	17	L	4	**522.3152**	261.6615
1570.7925	18	P	3	**409.2312**	205.1195
1707.8514	19	H	2	**312.1784**	156.5931
	20	R	1	**175.1195**	88.0637

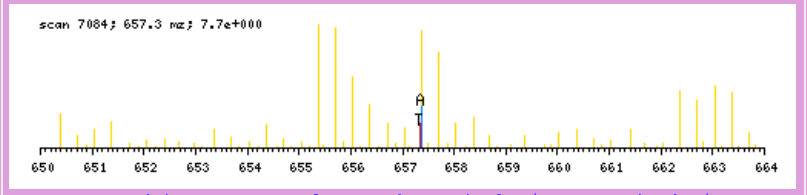
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGGVDTAAVGAVFDISNADR, MH+ 1970.0043, m/z 657.3396
H OS G30 P160811 220811-s1.07088.07088.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



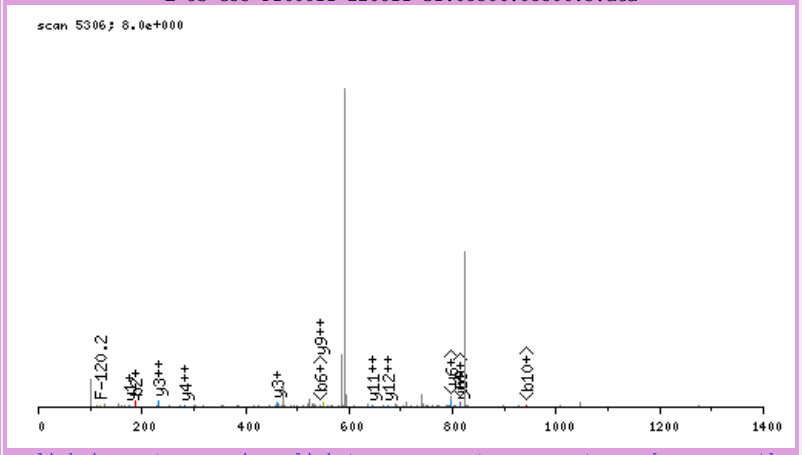
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	20		
193.1400	2	G	19	1834.8935	917.9507
250.1615	3	G	18	1777.8721	889.4399
349.2299	4	V	17	1720.8506	860.9292
464.2569	5	D	16	1621.7822	811.3950
565.3045	6	T	15	1506.7552	753.8815
636.3417	7	A	14	1405.7076	703.3577
707.3788	8	A	13	1334.6705	667.8391
806.4472	9	V	12	1263.6333	632.3206
863.4686	10	G	11	**1164.5649**	582.7864
934.5058	11	A	10	**1107.5435**	554.2756
1033.5742	12	V	9	**1036.5063**	518.7571
1180.6426	13	F	8	**937.4379**	469.2229
1295.6695	14	D	7	**790.3695**	395.6887
1408.7536	15	I	6	**675.3426**	338.1752
1495.7856	16	S	5	**562.2585**	281.6332
1609.8286	17	N	4	**475.2265**	238.1172
1680.8657	18	A	3	**361.1836**	181.0957
1795.8926	19	D	2	**290.1464**	145.5771
	20	R	1	**175.1195**	88.0637

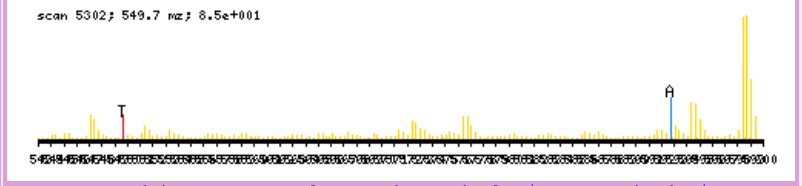
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGIGFGGLTQQVEKK, MH+ 1646.9482, m/z 549.6542
L OS G33 P160811 220811-s1.05306.05306.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



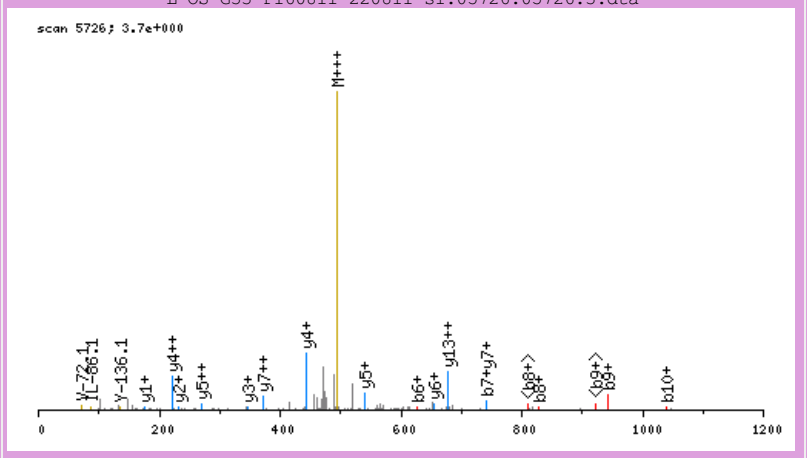
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
187.1082	2	G	14	1517.8692	759.4385
300.1923	3	I	13	1460.8478	730.9278
357.2138	4	G	12	1347.7637	**674.3858**
504.2822	5	F	11	1290.7422	**645.8750**
561.3036	6	G	10	1143.6738	572.3408
618.3251	7	G	9	1086.6524	**543.8301**
731.4092	8	L	8	1029.6309	515.3194
832.4569	9	T	7	916.5468	458.7773
960.5154	10	Q	6	**815.4992**	408.2535
1088.5740	11	Q	5	687.4406	344.2242
1187.6424	12	V	4	559.3820	**280.1949**
1316.6850	13	E	3	**460.3136**	**230.6607**
1472.8113	14	K	2	331.2710	166.1394
	15	K	1	**175.1447**	88.0763

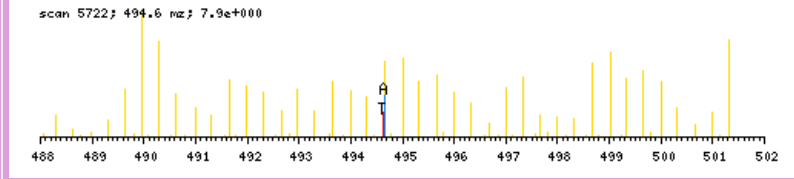
N-term:+29.04 K(14):+156.13
K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGIKAVDSLVPIGR, MH+ 1481.9056, m/z 494.6400
L OS G33 P160811 220811-s1.05726.05726.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



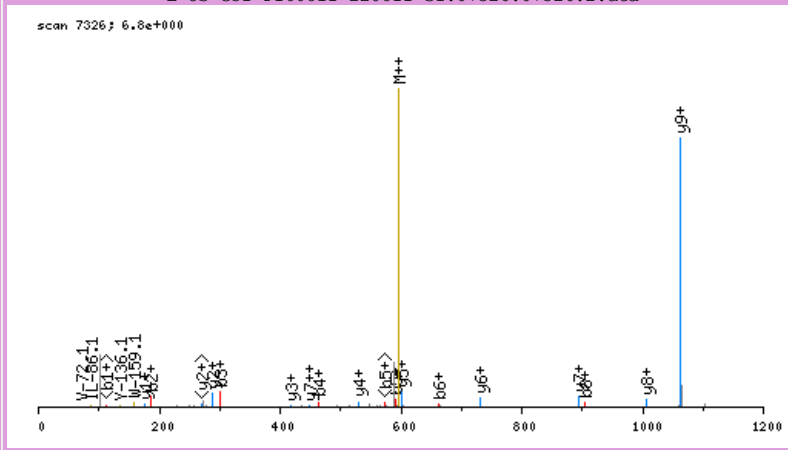
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
187.1082	2	G	13	1352.8266	**676.9172**
300.1923	3	I	12	1295.8051	648.4065
456.3186	4	K	11	1182.7211	591.8644
527.3557	5	A	10	1026.5948	513.8013
626.4241	6	V	9	955.5577	478.2827
741.4511	7	D	8	856.4892	428.7485
828.4831	8	S	7	**741.4623**	**371.2351**
941.5672	9	L	6	**654.4303**	327.7190
1040.6356	10	V	5	**541.3462**	**271.1770**
1137.6883	11	P	4	**442.2778**	**221.6428**
1250.7724	12	I	3	**345.2250**	173.1164
1307.7939	13	G	2	**232.1410**	116.5744
	14	R	1	**175.1195**	88.0637

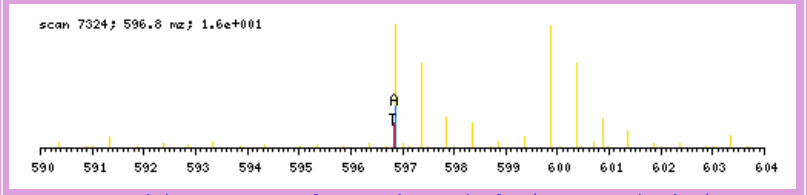
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGIYEALELR, MH+ 1192.6577, m/z 596.8325
L OS G31 P160811 220811-s1.07326.07326.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



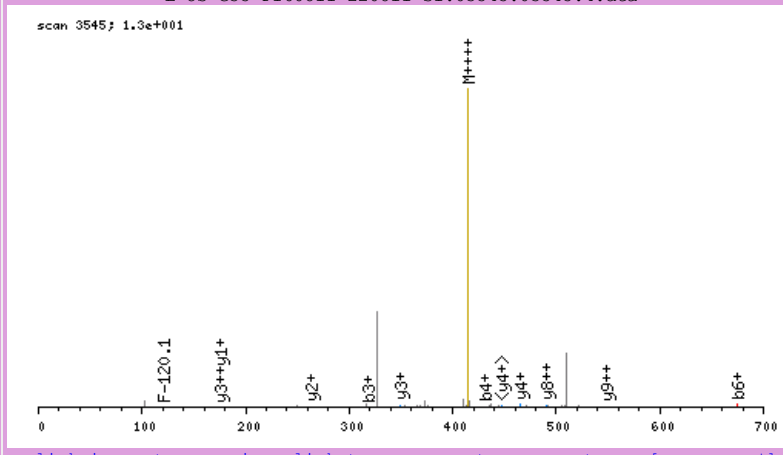
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
187.1082	2	G	9	1063.5788	532.2933
300.1923	3	I	8	1006.5573	503.7826
463.2556	4	Y	7	893.4733	447.2405
592.2982	5	E	6	730.4099	365.7089
663.3353	6	A	5	601.3673	301.1876
776.4194	7	L	4	530.3302	265.6690
905.4620	8	E	3	417.2462	209.1270
1018.5461	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

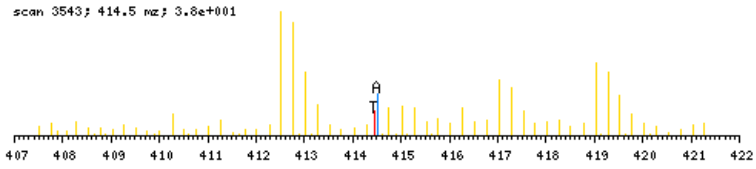
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGMLEDGKKFDSSR, MH+ 1654.8475, m/z 414.4673
L OS G35 P160811 220811-s1.03545.03545.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



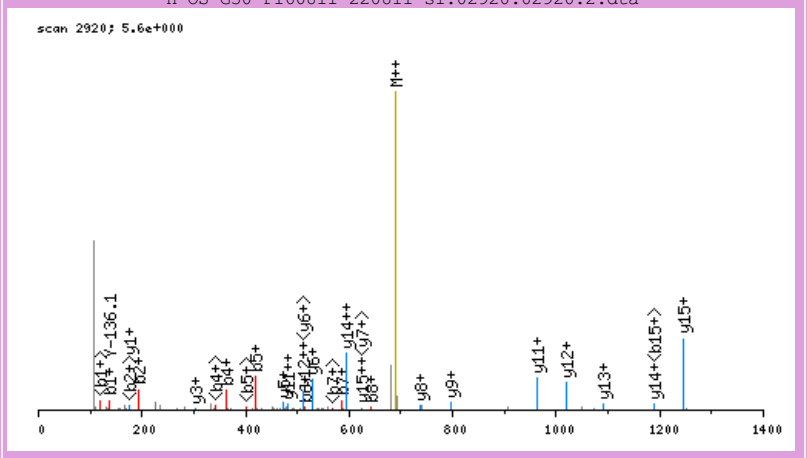
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
187.1082	2	G	13	1525.7685	763.3882
318.1487	3	M	12	1468.7471	734.8774
431.2328	4	L	11	1337.7066	669.3572
560.2754	5	E	10	1224.6225	612.8152
675.3023	6	D	9	1095.5799	**548.2939**
732.3238	7	G	8	980.5530	**490.7804**
888.4501	8	K	7	923.5315	462.2697
1044.5764	9	K	6	767.4052	384.2065
1191.6448	10	F	5	611.2789	306.1434
1306.6717	11	D	4	**464.2105**	232.6092
1393.7038	12	S	3	**349.1836**	**175.0957**
1480.7358	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

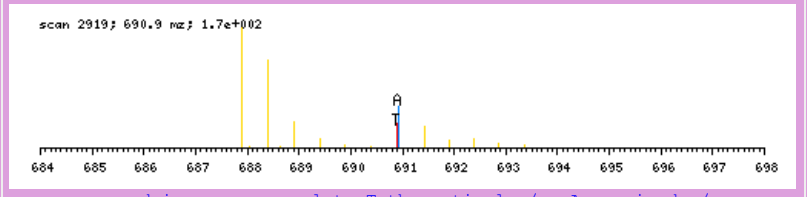
N-term:+29.04 K(8):+156.13
K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGPAGPAGPIGPAGAR, MH+ 1380.7811, m/z 690.8942
H OS G30 P160811 220811-s1.02920.02920.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



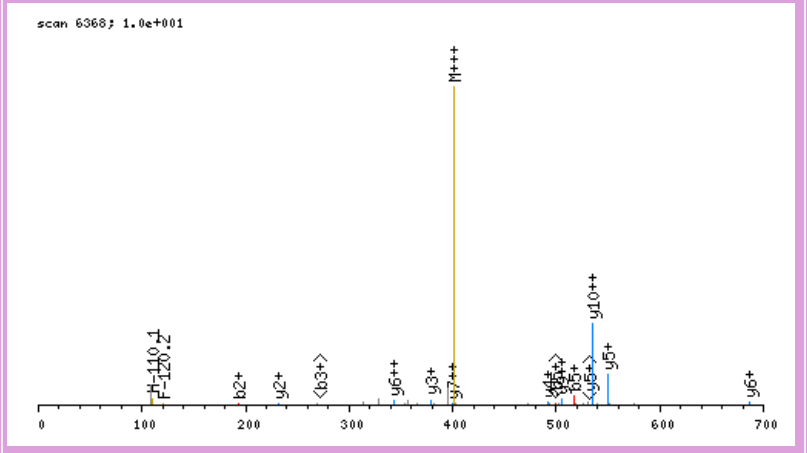
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
193.1400	2	G	15	1245.6704	623.3391
290.1928	3	P	14	1188.6489	594.8284
361.2299	4	A	13	1091.5962	546.3020
418.2514	5	G	12	1020.5591	510.7834
515.3041	6	P	11	963.5376	482.2727
586.3413	7	A	10	866.4848	433.7463
643.3627	8	G	9	795.4477	398.2278
740.4155	9	P	8	738.4262	369.7170
853.4996	10	I	7	641.3735	321.1907
910.5210	11	G	6	528.2894	264.6486
1007.5738	12	P	5	471.2680	236.1379
1078.6109	13	A	4	374.2152	187.6115
1135.6324	14	G	3	303.1781	152.0930
1206.6695	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

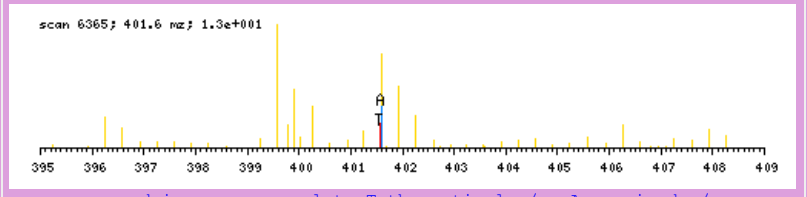
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGPNLHGLFGR, MH+ 1202.6858, m/z 401.5668
H OS G34 P160811 220811-s1.06368.06368.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



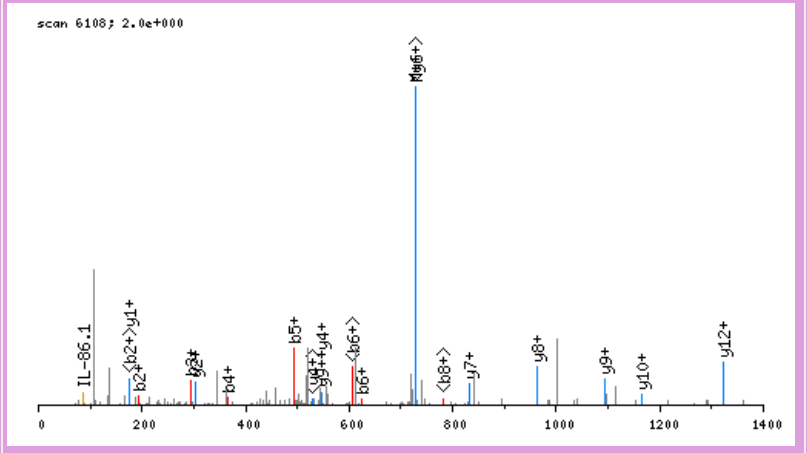
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	11		
193.1400	2	G	10	1067.5750	**534.2914**
290.1928	3	P	9	1010.5536	**505.7807**
404.2357	4	N	8	913.5008	457.2543
517.3198	5	L	7	799.4579	**400.2329**
654.3787	6	H	6	**686.3738**	**343.6908**
711.4002	7	G	5	**549.3149**	275.1614
824.4842	8	L	4	**492.2934**	246.6506
971.5527	9	F	3	**379.2094**	190.1086
1028.5741	10	G	2	**232.1410**	116.5744
	11	R	1	175.1195	88.0637

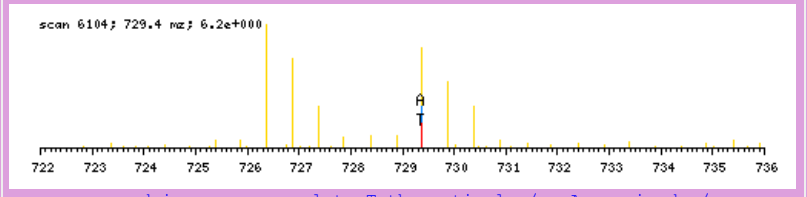
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TGTAEMSSILEER, MH+ 1457.7370, m/z 729.3721
H OS G31 P160811 220811-s1.06108.06108.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



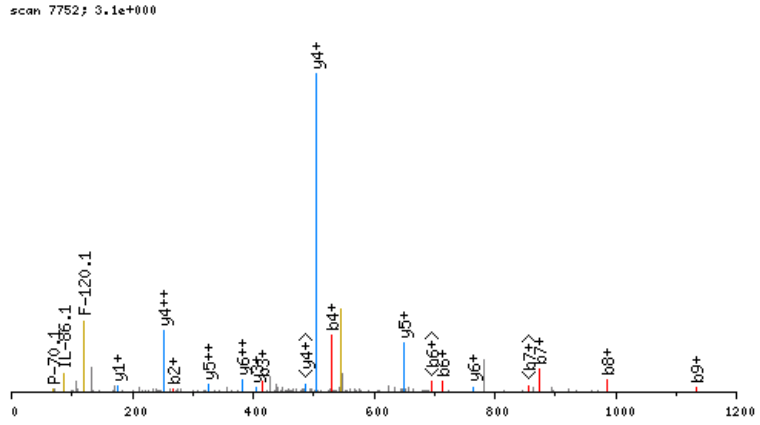
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
193.1400	2	G	12	**1322.6262**	661.8170
294.1877	3	T	11	1265.6047	633.3063
365.2248	4	A	10	**1164.5571**	582.7824
494.2674	5	E	9	**1093.5199**	**547.2639**
625.3079	6	M	8	**964.4774**	482.7426
712.3399	7	S	7	**833.4369**	417.2223
799.3720	8	S	6	746.4048	373.7063
912.4560	9	I	5	659.3728	330.1903
1025.5401	10	L	4	**546.2888**	273.6483
1154.5827	11	E	3	433.2047	217.1063
1283.6253	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

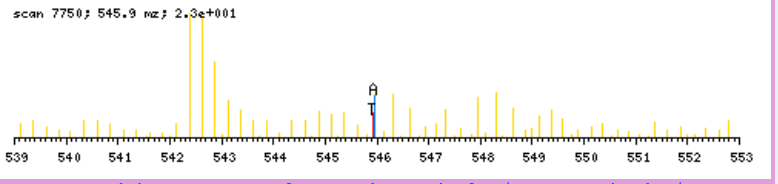
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

THFDPSCLFPACR, MH+ 1635.7411, m/z 545.9185
L OS G34 P160811 220811-s1.07752.07752.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



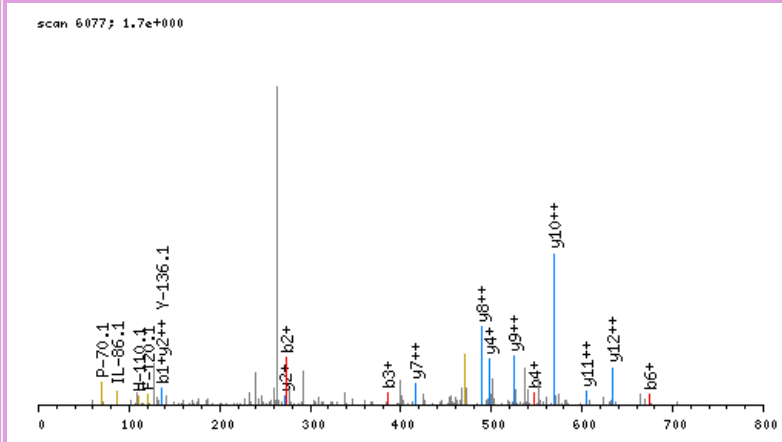
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
267.1457	2	H	12	1506.6621	753.8350
414.2141	3	F	11	1369.6032	685.3055
529.2410	4	D	10	1222.5348	611.7713
626.2938	5	P	9	1107.5078	554.2578
713.3258	6	S	8	1010.4551	505.7315
873.3564	7	C	7	923.4231	462.2154
986.4405	8	L	6	**763.3925**	**382.2001**
1133.5089	9	F	5	**650.3084**	**325.6581**
1230.5617	10	P	4	**503.2400**	**252.1239**
1301.5988	11	A	3	**406.1872**	203.5975
1461.6294	12	C	2	335.1501	168.0790
	13	R	1	**175.1195**	88.0637

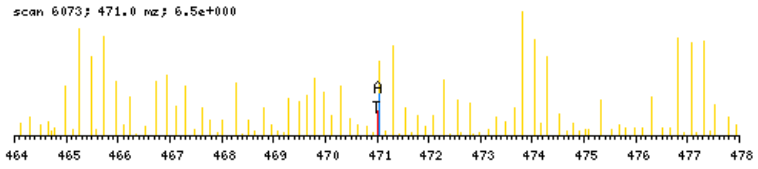
N-term:+29.04 C(7):+160.03
C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

THICAGASAFGKNLLPR, MH+ 1881.0805, m/z 471.0256
H OS G35 P160811 220811-s1.06077.06077.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



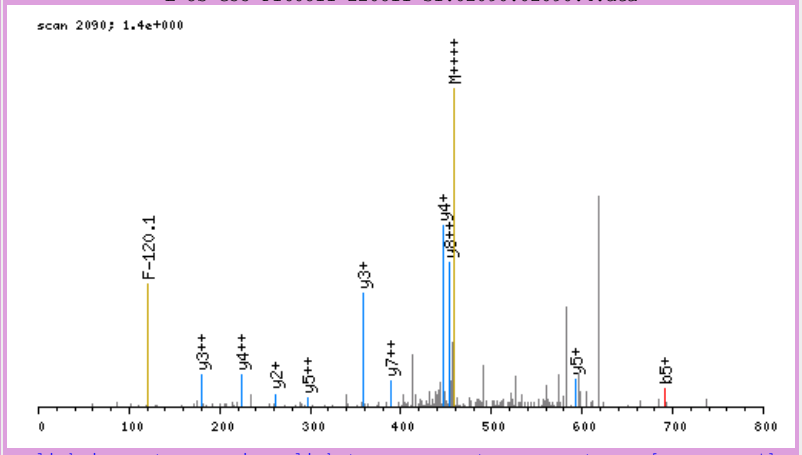
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	17		
273.1775	2	H	16	1745.9697	873.4888
386.2616	3	I	15	1608.9108	804.9593
546.2922	4	C	14	1495.8267	748.4173
617.3293	5	A	13	1335.7961	668.4020
674.3507	6	G	12	1264.7590	632.8834
745.3878	7	A	11	1207.7376	604.3727
832.4199	8	S	10	1136.7004	568.8541
903.4570	9	A	9	1049.6684	525.3381
1050.5254	10	F	8	978.6313	489.8196
1107.5469	11	G	7	831.5629	416.2854
1269.7050	12	K	6	774.5414	387.7746
1383.7479	13	N	5	612.3833	306.6956
1496.8320	14	L	4	498.3404	249.6741
1609.9160	15	L	3	385.2563	193.1321
1706.9688	16	P	2	272.1723	136.5900
	17	R	1	175.1195	88.0637

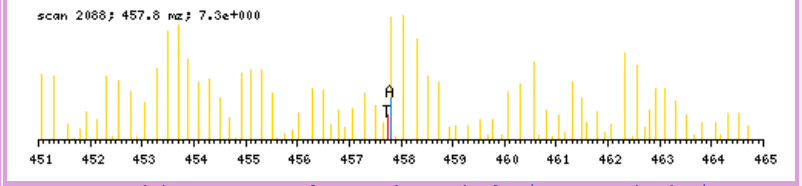
N-term:+35.07 C(4):+160.03
K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

THKLKQTENAFSPSR, MH+ 1828.0082, m/z 457.7575
L OS G35 P160811 220811-s1.02090.02090.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



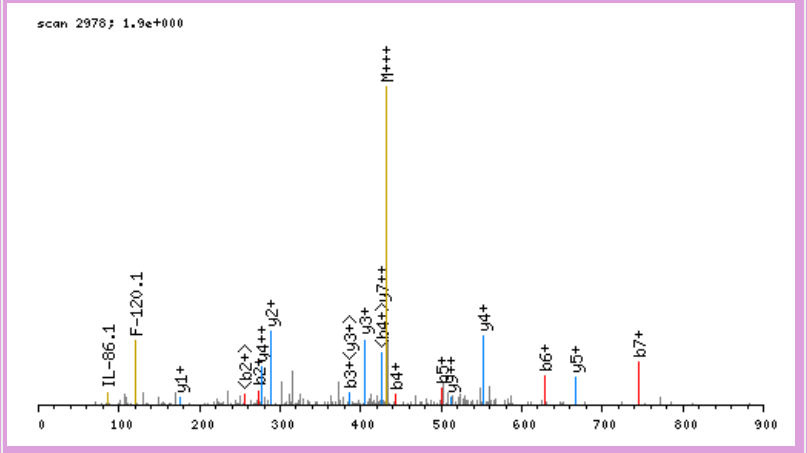
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
267.1457	2	H	14	1698.9292	849.9685
423.2720	3	K	13	1561.8703	781.4391
536.3561	4	L	12	1405.7440	703.3759
692.4824	5	K	11	1292.6599	646.8339
820.5409	6	Q	10	1136.5336	568.7707
921.5886	7	T	9	1008.4750	504.7414
1050.6312	8	E	8	907.4274	**454.2176**
1164.6741	9	N	7	778.3848	**389.6963**
1235.7112	10	A	6	664.3418	332.6748
1382.7797	11	F	5	**593.3047**	**297.1563**
1469.8117	12	S	4	**446.2363**	**223.6221**
1566.8645	13	P	3	**359.2043**	**180.1061**
1653.8965	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

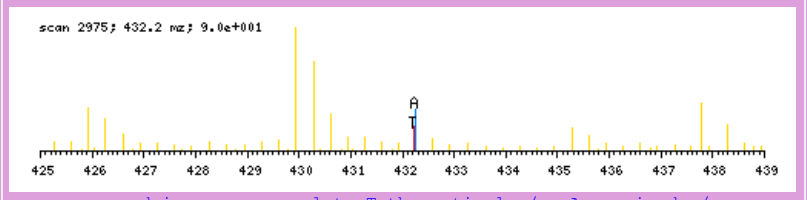
N-term:+29.04 K(3):+156.13
K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

THLGGEDFDNR, MH+ 1294.6240, m/z 432.2128
H OS G34 P160811 220811-s1.02978.02978.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



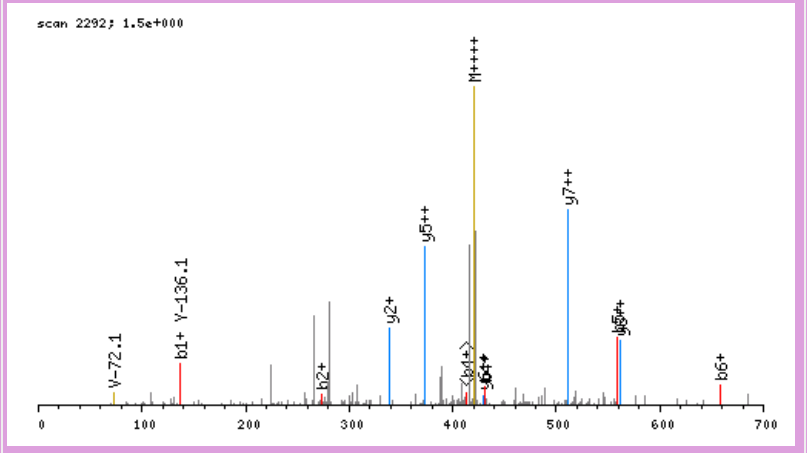
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	11		
273.1775	2	H	10	1159.5132	580.2605
386.2616	3	L	9	1022.4543	511.7311
443.2830	4	G	8	909.3702	455.1890
500.3045	5	G	7	852.3488	426.6783
629.3471	6	E	6	795.3273	398.1676
744.3740	7	D	5	666.2847	333.6463
891.4424	8	F	4	551.2578	276.1328
1006.4694	9	D	3	404.1894	202.5986
1120.5123	10	N	2	289.1624	145.0851
	11	R	1	175.1195	88.0637

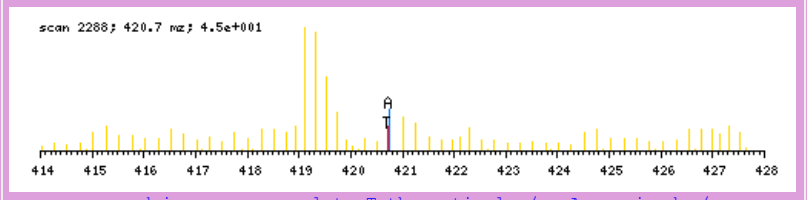
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

THTGQVYDEKDYR, MH+ 1679.8665, m/z 420.7221
H OS G35 P160811 220811-s1.02292.02292.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



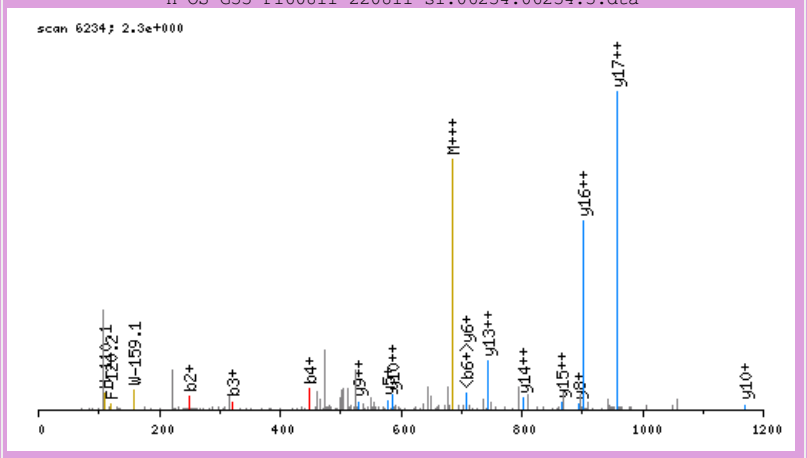
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**13**		
273.1775	**2**	**H**	**12**	1544.7558	772.8818
374.2252	**3**	**T**	**11**	1407.6969	704.3523
431.2466	**4**	**G**	**10**	1306.6492	653.8285
559.3052	**5**	**Q**	**9**	1249.6277	625.3178
658.3736	**6**	**V**	**8**	1121.5692	**561.2885**
821.4370	**7**	**Y**	**7**	1022.5007	**511.7543**
936.4639	**8**	**D**	**6**	859.4374	**430.2226**
1065.5065	**9**	**E**	**5**	744.4105	**372.7091**
1227.6646	**10**	**K**	**4**	615.3679	308.1878
1342.6915	**11**	**D**	**3**	453.2098	227.1088
1505.7549	**12**	**Y**	**2**	**338.1828**	169.5953
	13	**R**	**1**	175.1195	88.0637

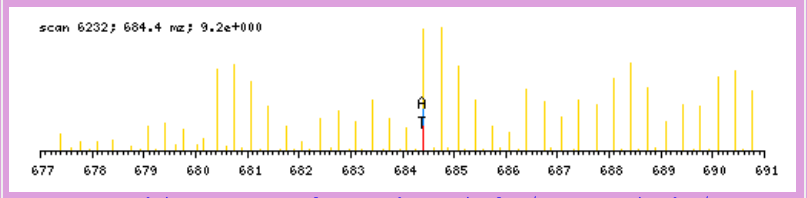
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TIAQDYGVLKADEGISFR, MH+ 2051.1449, m/z 684.3865
H OS G33 P160811 220811-s1.06234.06234.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



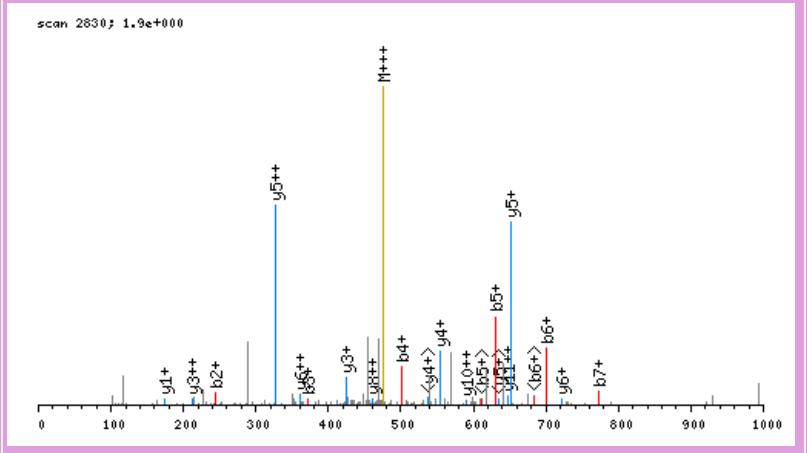
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	18		
249.2026	2	I	17	1916.0342	**958.5210**
320.2398	3	A	16	1802.9501	**901.9790**
448.2983	4	Q	15	1731.9130	**866.4604**
563.3253	5	D	14	1603.8544	**802.4311**
726.3886	6	Y	13	1488.8275	**744.9177**
783.4101	7	G	12	1325.7642	663.3860
882.4785	8	V	11	1268.7427	634.8753
995.5625	9	L	10	**1169.6743**	**585.3411**
1157.7206	10	K	9	1056.5902	**528.7990**
1228.7578	11	A	8	**894.4321**	447.7200
1343.7847	12	D	7	823.3950	412.2014
1472.8273	13	E	6	**708.3681**	354.6879
1529.8488	14	G	5	**579.3255**	290.1666
1642.9328	15	I	4	522.3040	261.6559
1729.9649	16	S	3	409.2199	205.1139
1877.0333	17	F	2	322.1879	161.5979
	18	R	1	175.1195	88.0637

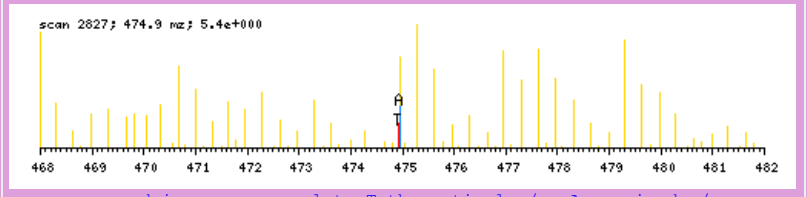
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TIEEEAAPEIHR, MH+ 1422.7229, m/z 474.9125
L OS G33 P160811 220811-s1.02830.02830.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



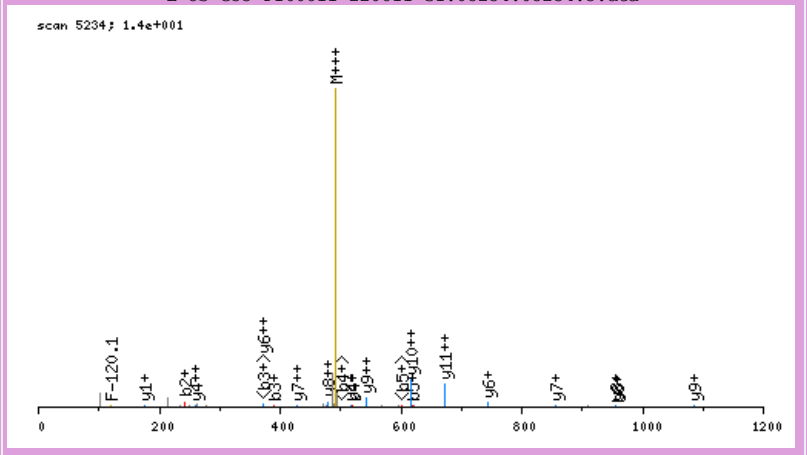
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
243.1708	2	I	11	1293.6439	647.3259
372.2134	3	E	10	1180.5598	590.7838
501.2560	4	E	9	1051.5172	526.2625
630.2986	5	E	8	922.4747	461.7412
701.3357	6	A	7	793.4321	397.2199
772.3728	7	A	6	722.3949	361.7014
869.4256	8	P	5	651.3578	326.1828
998.4682	9	E	4	554.3051	277.6564
1111.5523	10	I	3	425.2625	213.1352
1248.6112	11	H	2	312.1784	156.5931
	12	R	1	175.1195	88.0637

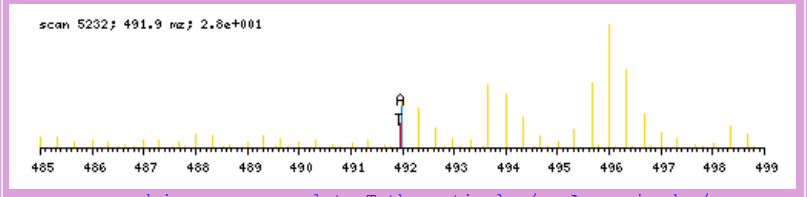
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TIFEVLPEKADR, MH+ 1473.8317, m/z 491.9488
L OS G33 P160811 220811-s1.05234.05234.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



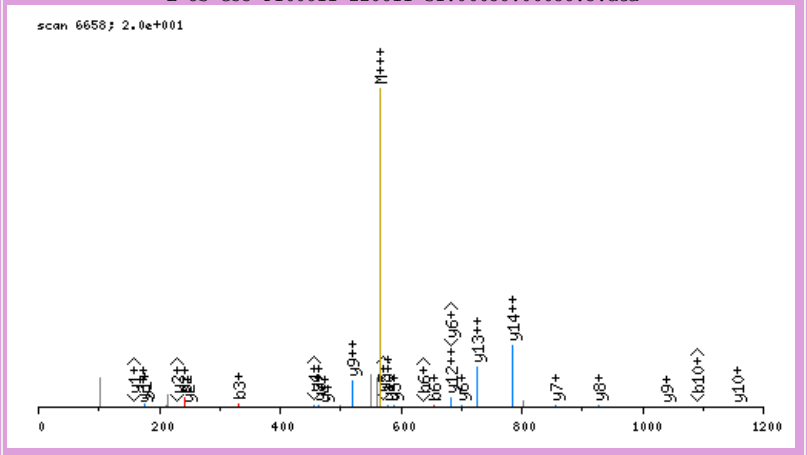
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
243.1708	2	I	11	1344.7528	672.8803
390.2393	3	F	10	1231.6687	616.3383
519.2818	4	E	9	1084.6003	542.8041
618.3503	5	V	8	955.5577	478.2828
731.4343	6	L	7	856.4893	428.7486
828.4871	7	P	6	743.4052	372.2065
957.5297	8	E	5	646.3525	323.6801
1113.6560	9	K	4	517.3099	259.1588
1184.6931	10	A	3	361.1836	181.0957
1299.7200	11	D	2	290.1464	145.5771
	12	R	1	175.1195	88.0637

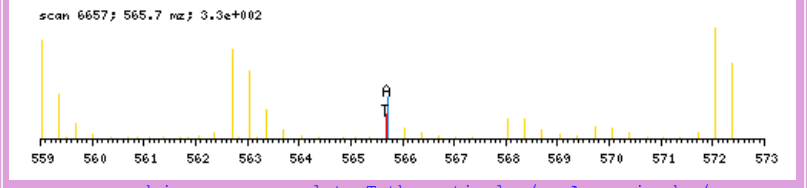
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TISPLDLAKLNQVAR, MH+ 1695.0169, m/z 565.6771
L OS G33 P160811 220811-s1.06658.06658.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

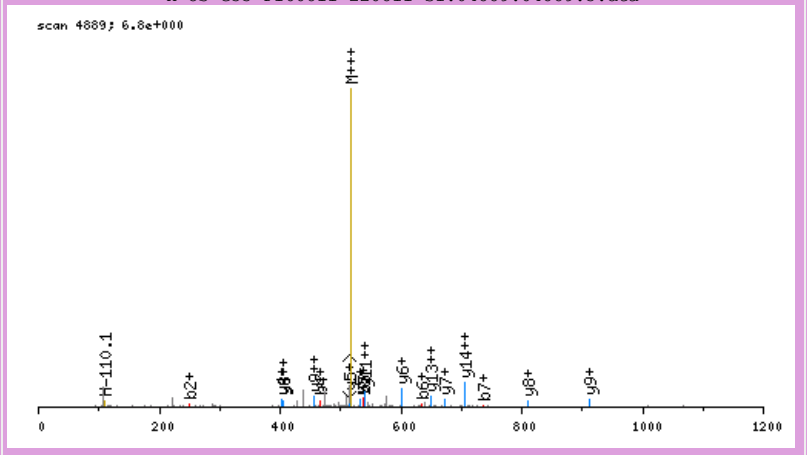


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

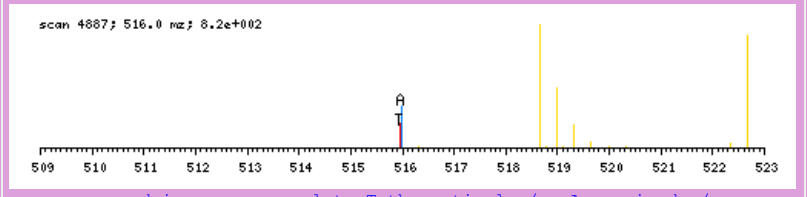
b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
243.1708	2	I	14	1565.9379	783.4729
330.2029	3	S	13	1452.8539	726.9308
427.2556	4	P	12	1365.8218	683.4148
540.3397	5	L	11	1268.7691	634.8885
655.3666	6	D	10	1155.6850	578.3464
768.4507	7	L	9	1040.6581	520.8330
839.4878	8	A	8	927.5740	464.2909
995.6141	9	K	7	856.5369	428.7724
1108.6982	10	L	6	700.4106	350.7092
1222.7411	11	N	5	587.3265	294.1672
1350.7997	12	Q	4	473.2836	237.1457
1449.8681	13	V	3	345.2250	173.1164
1520.9052	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

N-term:+29.04 K(9):+156.13

TITDAVTHAAEGLGR, MH+ 1545.8449, m/z 515.9531
H OS G33 P160811 220811-s1.04889.04889.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



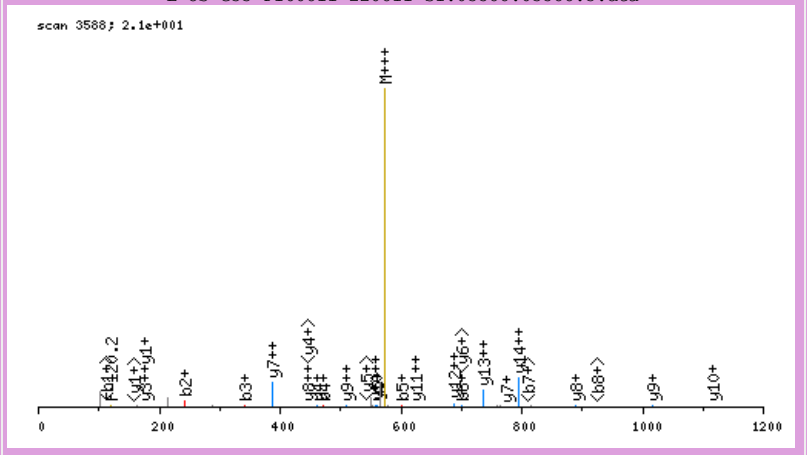
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

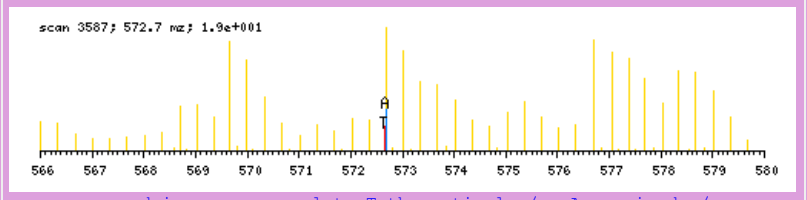
b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
249.2026	2	I	14	1410.7341	**705.8710**
350.2503	3	T	13	1297.6501	**649.3289**
465.2773	4	D	12	1196.6024	598.8051
536.3144	5	A	11	1081.5754	**541.2916**
635.3828	6	V	10	1010.5383	505.7731
736.4305	7	T	9	**911.4699**	**456.2389**
873.4894	8	H	8	**810.4222**	**405.7150**
944.5265	9	A	7	**673.3633**	337.1856
1015.5636	10	A	6	**602.3262**	301.6670
1144.6062	11	E	5	**531.2891**	266.1485
1201.6277	12	G	4	**402.2465**	201.6272
1314.7117	13	L	3	345.2250	173.1164
1371.7332	14	G	2	232.1410	116.5744
	15	R	1	175.1195	88.0637

N-term:+35.07

TIVEEVQDGKVISSR, MH+ 1715.9544, m/z 572.6563
L OS G33 P160811 220811-s1.03588.03588.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

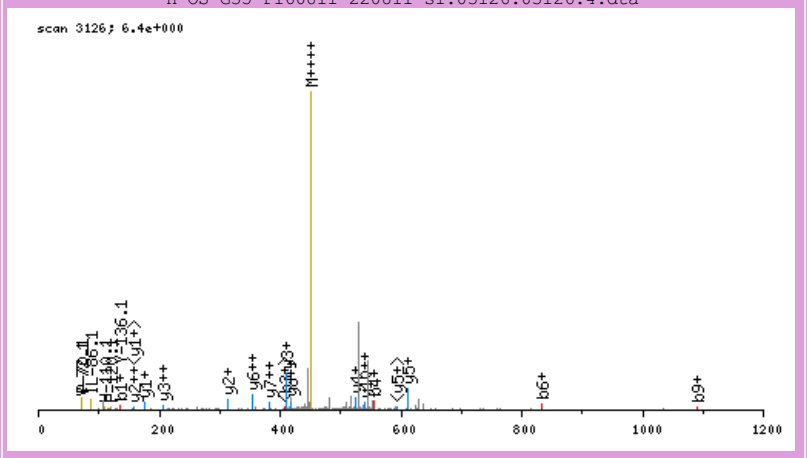
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a 1+ 2+ 3+
b 1+ 2+ 3+
c 1+ 2+ 3+
x 1+ 2+ 3+
y 1+ 2+ 3+
z 1+ 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
243.1708	2	I	14	1586.8754	793.9416
342.2393	3	V	13	1473.7913	737.3996
471.2818	4	E	12	1374.7229	687.8654
600.3244	5	E	11	1245.6803	623.3441
699.3929	6	V	10	1116.6377	558.8228
827.4514	7	Q	9	1017.5693	509.2886
942.4784	8	D	8	889.5107	445.2593
999.4998	9	G	7	774.4838	387.7458
1155.6261	10	K	6	717.4623	359.2351
1254.6946	11	V	5	561.3360	281.1719
1367.7786	12	I	4	462.2676	231.6377
1454.8106	13	S	3	349.1836	175.0957
1541.8427	14	S	2	262.1515	131.5797
	15	R	1	175.1195	88.0637

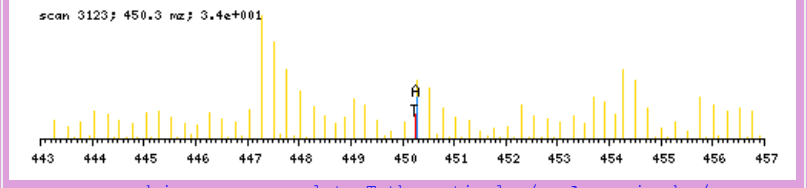
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TKQEYDEAGPSIVHR, MH+ 1797.9771, m/z 450.2497
H OS G35 P160811 220811-s1.03126.03126.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



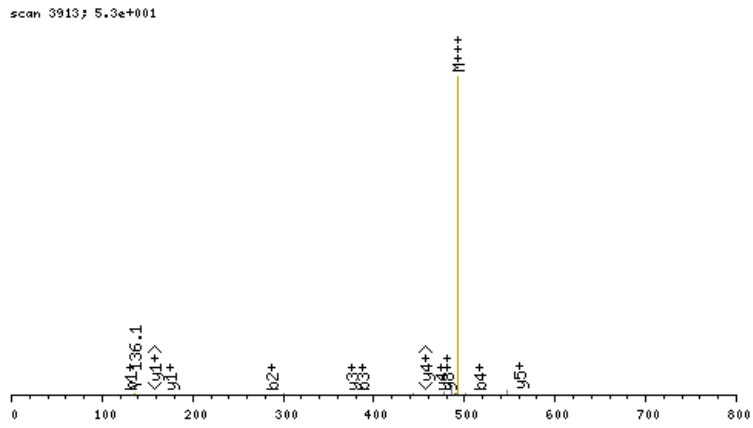
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**15**		
298.2767	**2**	**K**	**14**	1662.8664	831.9371
426.3353	**3**	**Q**	**13**	1500.7083	750.8581
555.3778	**4**	**E**	**12**	1372.6497	686.8288
718.4412	**5**	**Y**	**11**	1243.6071	622.3075
833.4681	**6**	**D**	**10**	1080.5438	**540.7758**
962.5107	**7**	**E**	**9**	965.5169	483.2623
1033.5478	**8**	**A**	**8**	836.4743	**418.7410**
1090.5693	**9**	**G**	**7**	765.4371	**383.2225**
1187.6221	**10**	**P**	**6**	708.4157	**354.7118**
1274.6541	**11**	**S**	**5**	**611.3629**	306.1854
1387.7381	**12**	**I**	**4**	**524.3309**	262.6694
1486.8066	**13**	**V**	**3**	**411.2468**	**206.1273**
1623.8655	**14**	**H**	**2**	**312.1784**	**156.5931**
	15	**R**	**1**	**175.1195**	88.0637

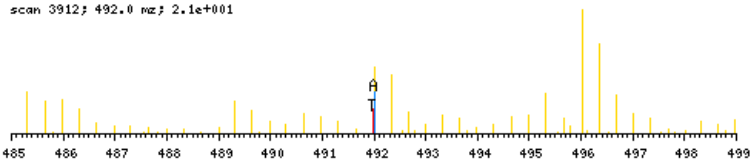
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TKTQKELSVTVR, MH+ 1473.9005, m/z 491.9717
L OS G33 P160811 220811-s1.03913.03913.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



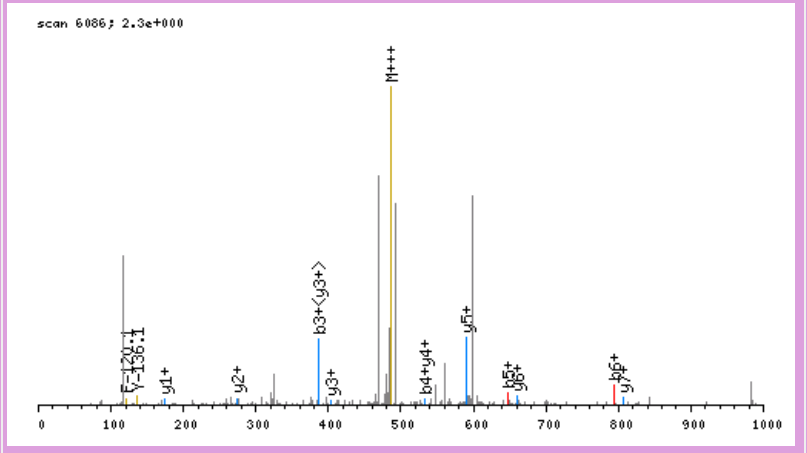
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**12**		
286.2131	**2**	**K**	**11**	1344.8215	672.9147
387.2608	**3**	**T**	**10**	1188.6952	594.8515
515.3193	**4**	**Q**	**9**	1087.6476	544.3277
671.4456	**5**	**K**	**8**	959.5890	**480.2984**
800.4882	**6**	**E**	**7**	803.4627	402.2353
913.5723	**7**	**L**	**6**	674.4201	337.7140
1000.6043	**8**	**S**	**5**	**561.3360**	281.1719
1099.6727	**9**	**V**	**4**	**474.3040**	237.6559
1200.7204	**10**	**T**	**3**	**375.2356**	188.1217
1299.7888	**11**	**V**	**2**	274.1879	137.5979
	12	**R**	**1**	**175.1195**	88.0637

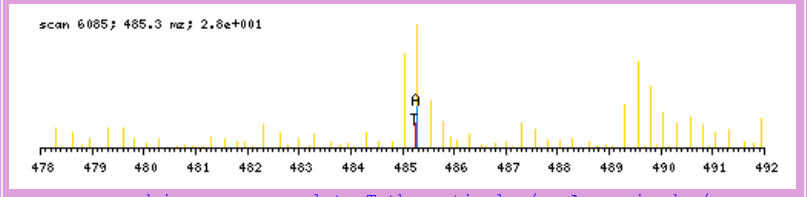
N-term:+29.04 K(2):+156.13
K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TKVFDFAGEEVR, MH+ 1453.7691, m/z 485.2612
L OS G34 P160811 220811-s1.06086.06086.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
286.2131	2	K	11	1324.6902	662.8490
385.2815	3	V	10	1168.5639	584.7858
532.3499	4	F	9	1069.4954	535.2516
647.3768	5	D	8	922.4270	461.7174
794.4453	6	F	7	**807.4001**	404.2040
865.4824	7	A	6	**660.3317**	330.6698
922.5038	8	G	5	**589.2946**	295.1512
1051.5464	9	E	4	**532.2731**	266.6405
1180.5890	10	E	3	**403.2305**	202.1192
1279.6574	11	V	2	**274.1879**	137.5979
	12	R	1	**175.1195**	88.0637

N-term:+29.04 K(2):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

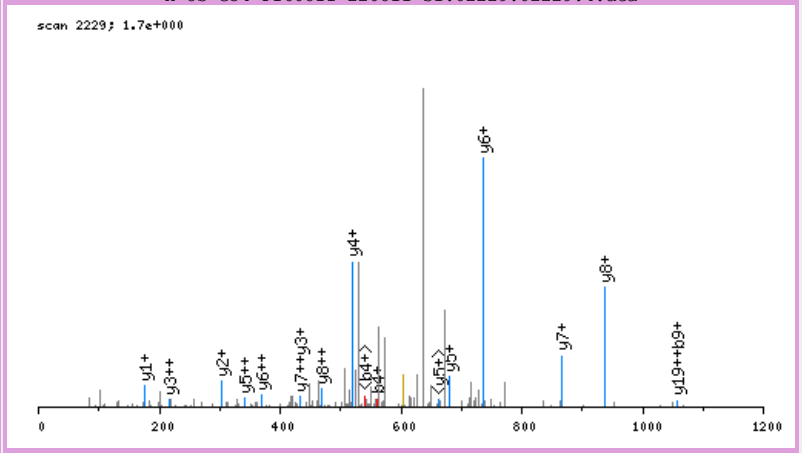
z [+] [2+] [3+]

hide H_2O/NH_3

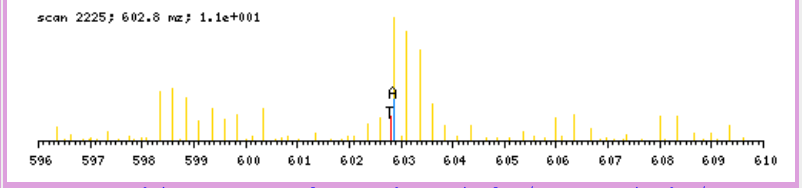
zoom 112-122

GO

TKVKAAPEESEAQAEGCSEER, MH+ 2408.2463, m/z 602.8170
H OS G34 P160811 220811-s1.02229.02229.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



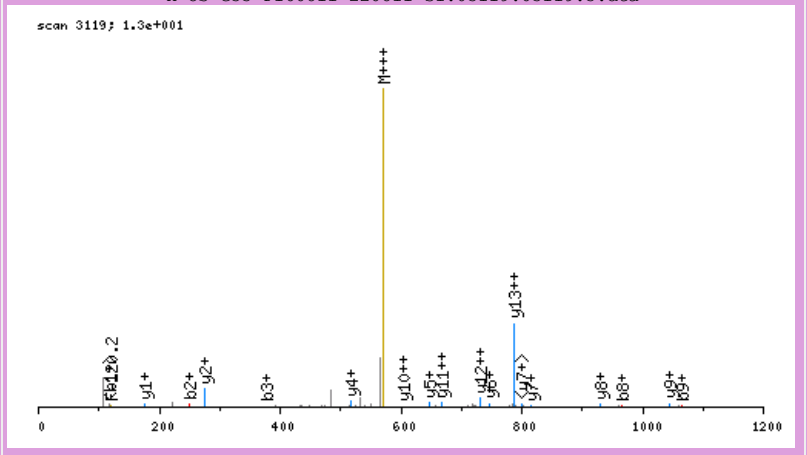
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	21		
298.2767	2	K	20	2273.1356	1137.0717
397.3451	3	V	19	2110.9775	**1055.9927**
559.5032	4	K	18	2011.9091	1006.4585
630.5403	5	A	17	1849.7510	925.3794
701.5774	6	A	16	1778.7139	889.8608
798.6302	7	P	15	1707.6767	854.3423
927.6728	8	E	14	1610.6240	805.8159
1056.7154	9	E	13	1481.5814	741.2946
1143.7474	10	S	12	1352.5388	676.7733
1272.7900	11	E	11	1265.5068	633.2573
1343.8271	12	A	10	1136.4642	568.7360
1471.8857	13	Q	9	1065.4271	533.2174
1542.9228	14	A	8	**937.3685**	**469.1882**
1671.9654	15	E	7	**866.3314**	**433.6696**
1728.9869	16	G	6	**737.2888**	**369.1483**
1889.0175	17	C	5	**680.2673**	**340.6376**
1976.0495	18	S	4	**520.2367**	260.6223
2105.0921	19	E	3	**433.2047**	**217.1063**
2234.1347	20	E	2	**304.1621**	152.5850
	21	R	1	**175.1195**	88.0637

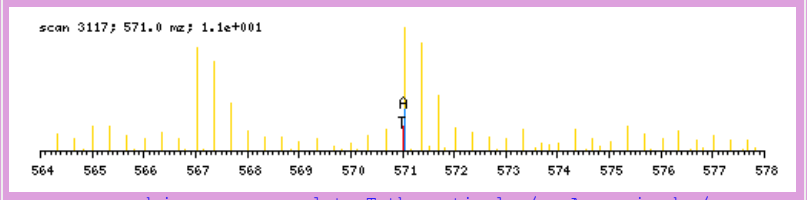
N-term:+35.07 K(2):+162.16
K(4):+162.16 C(17):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TLEQKNIAVENEVR, MH+ 1711.0026, m/z 571.0057
H OS G33 P160811 220811-s1.03119.03119.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



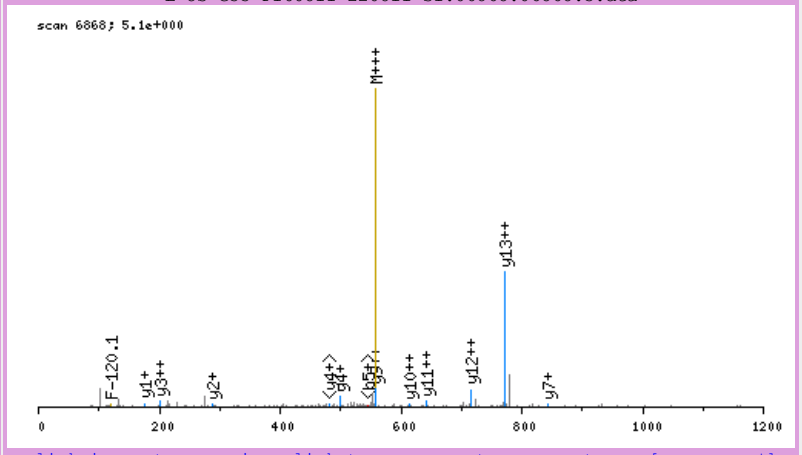
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
249.2026	2	L	13	1575.8919	788.4499
378.2452	3	E	12	1462.8078	731.9078
506.3038	4	Q	11	1333.7652	667.3865
668.4619	5	K	10	1205.7066	603.3572
782.5048	6	N	9	1043.5485	522.2782
895.5889	7	I	8	929.5056	465.2567
966.6260	8	A	7	816.4216	408.7147
1065.6944	9	V	6	745.3844	373.1961
1194.7370	10	E	5	646.3160	323.6619
1308.7800	11	N	4	517.2734	259.1406
1437.8225	12	E	3	403.2305	202.1192
1536.8910	13	V	2	274.1879	137.5979
	14	R	1	175.1195	88.0637

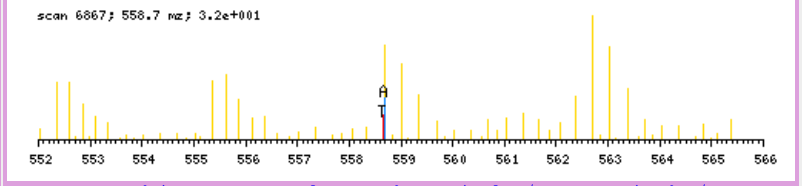
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TLFGDKLCAIPNLR, MH+ 1673.9412, m/z 558.6519
L OS G33 P160811 220811-s1.06868.06868.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



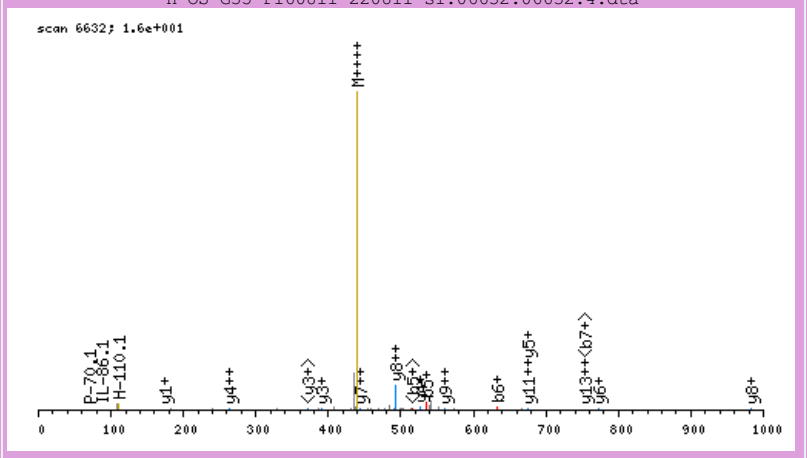
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
243.1708	2	L	13	1544.8623	**772.9351**
390.2393	3	F	12	1431.7782	**716.3930**
447.2607	4	G	11	1284.7098	**642.8588**
562.2877	5	D	10	1227.6883	**614.3481**
718.4140	6	K	9	1112.6614	**556.8346**
831.4980	7	L	8	956.5351	478.7715
991.5286	8	C	7	**843.4510**	422.2294
1062.5657	9	A	6	683.4204	342.2141
1175.6498	10	I	5	612.3833	306.6956
1272.7026	11	P	4	**499.2993**	250.1535
1386.7455	12	N	3	402.2465	**201.6272**
1499.8296	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

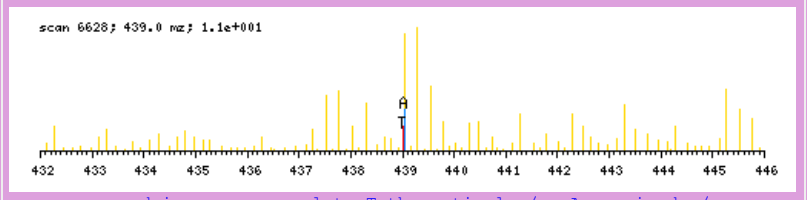
N-term:+29.04 K(6):+156.13
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TLGVEVHPLVFHTNR, MH+ 1752.9973, m/z 439.0048
H OS G35 P160811 220811-s1.06632.06632.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



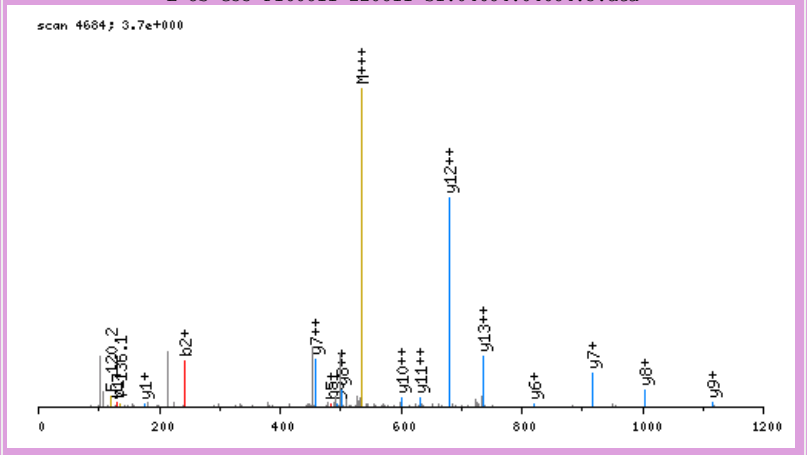
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
249.2026	2	L	14	1617.8865	809.4472
306.2241	3	G	13	1504.8025	**752.9051**
405.2925	4	V	12	1447.7810	724.3944
534.3351	5	E	11	1348.7126	**674.8602**
633.4035	6	V	10	1219.6700	610.3389
770.4624	7	H	9	1120.6016	**560.8047**
867.5152	8	P	8	**983.5427**	**492.2752**
980.5993	9	L	7	886.4899	**443.7489**
1079.6677	10	V	6	**773.4058**	387.2068
1226.7361	11	F	5	**674.3374**	337.6726
1363.7950	12	H	4	**527.2690**	**264.1384**
1464.8427	13	T	3	**390.2101**	195.6090
1578.8856	14	N	2	289.1624	145.0851
	15	R	1	**175.1195**	88.0637

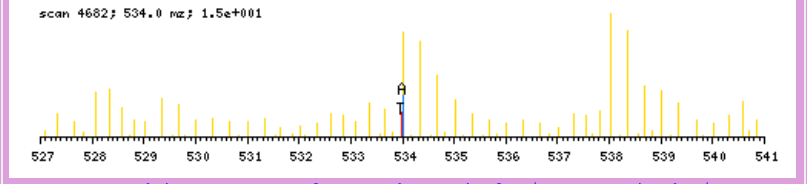
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TLPGSLSPPVEKYR, MH+ 1599.9110, m/z 533.9752
L OS G33 P160811 220811-s1.04684.04684.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



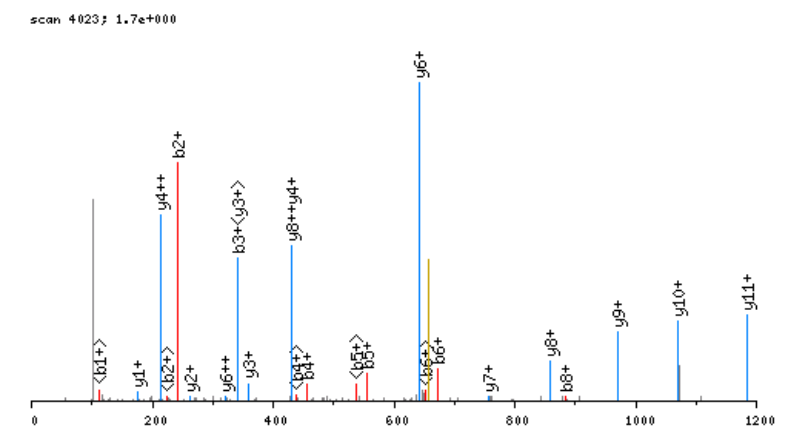
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
243.1708	2	L	13	1470.8321	735.9200
340.2236	3	P	12	1357.7480	679.3779
397.2451	4	G	11	1260.6952	630.8515
484.2771	5	S	10	1203.6738	602.3408
597.3612	6	L	9	1116.6418	558.8248
684.3932	7	S	8	1003.5577	502.2828
781.4460	8	P	7	916.5257	458.7667
878.4987	9	P	6	819.4729	410.2404
977.5671	10	V	5	722.4201	361.7140
1106.6097	11	E	4	623.3517	312.1798
1262.7360	12	K	3	494.3091	247.6585
1425.7994	13	Y	2	338.1828	169.5953
	14	R	1	175.1195	88.0637

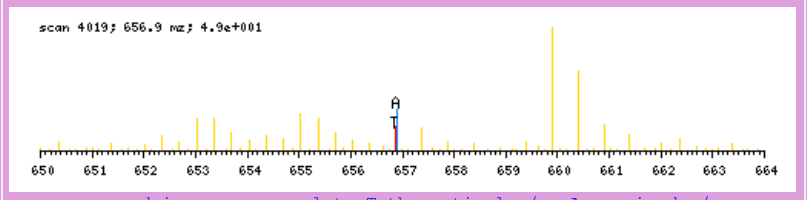
N-term:+29.04 K(12):+156.13

TLVLTDPDAPSR, MH+ 1312.7112, m/z 656.8593
L OS G30 P160811 220811-s1.04023.04023.2.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



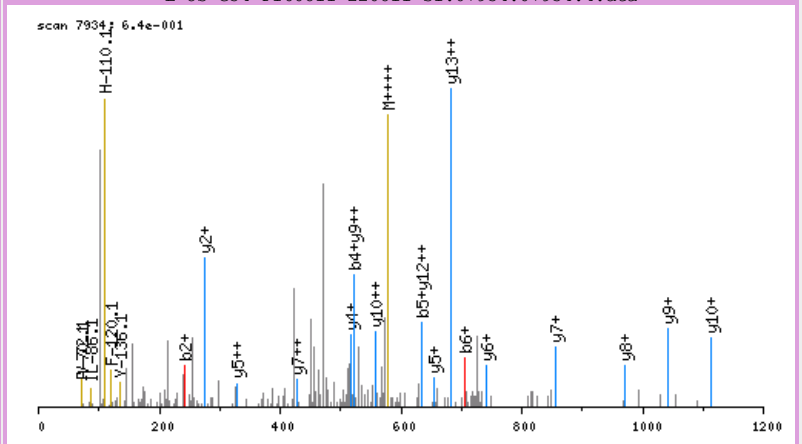
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
243.1708	2	L	11	1183.6323	592.3201
342.2393	3	V	10	1070.5482	535.7780
455.3233	4	L	9	971.4798	486.2438
556.3710	5	T	8	858.3957	429.7018
671.3979	6	D	7	757.3481	379.1779
768.4507	7	P	6	642.3211	321.6645
883.4776	8	D	5	545.2683	273.1381
954.5148	9	A	4	430.2414	215.6246
1051.5675	10	P	3	359.2043	180.1061
1138.5996	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

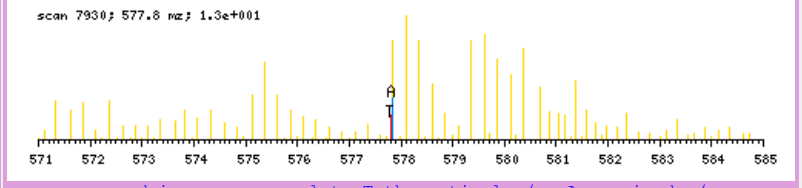
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TLYDIAHTPGVAADLSHIETR, MH+ 2308.1937, m/z 577.8039
L OS G34 P160811 220811-s1.07934.07934.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



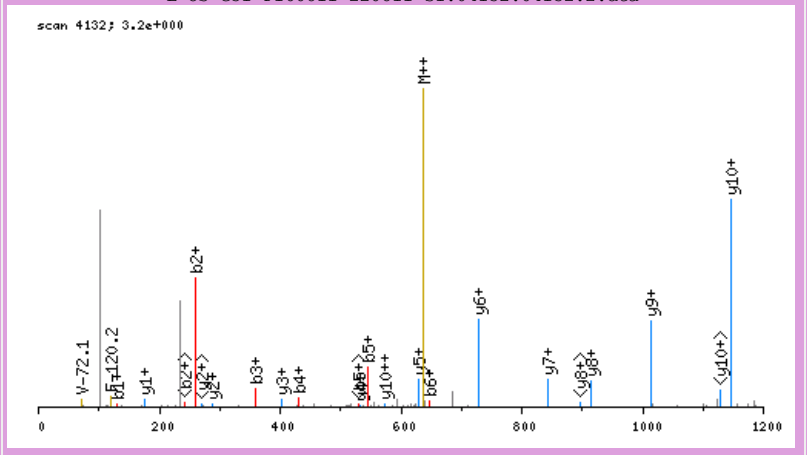
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
243.1708	2	L	20	2179.1148	1090.0613
406.2342	3	Y	19	2066.0307	1033.5193
521.2611	4	D	18	1902.9674	951.9876
634.3452	5	I	17	1787.9404	894.4741
705.3823	6	A	16	1674.8564	837.9321
842.4412	7	H	15	1603.8192	802.4135
943.4889	8	T	14	1466.7603	733.8841
1040.5416	9	P	13	1365.7127	**683.3602**
1097.5631	10	G	12	1268.6599	**634.8339**
1196.6315	11	V	11	1211.6384	606.3231
1267.6686	12	A	10	**1112.5700**	**556.7889**
1338.7058	13	A	9	**1041.5329**	**521.2704**
1453.7327	14	D	8	**970.4958**	485.7518
1566.8168	15	L	7	**855.4688**	**428.2383**
1653.8488	16	S	6	**742.3848**	371.6963
1790.9077	17	H	5	**655.3527**	**328.1803**
1903.9918	18	I	4	**518.2938**	259.6508
2033.0344	19	E	3	405.2098	203.1088
2134.0820	20	T	2	**276.1672**	138.5875
	21	R	1	175.1195	88.0637

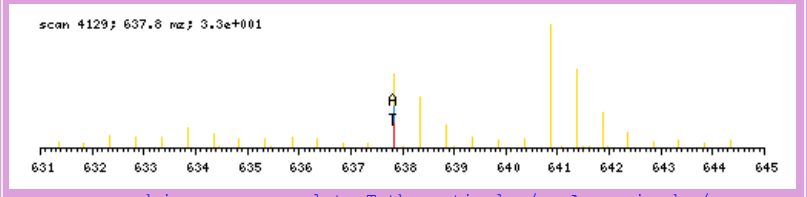
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TMVADTPENLR, MH+ 1274.6414, m/z 637.8244
L OS G31 P160811 220811-s1.04132.04132.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



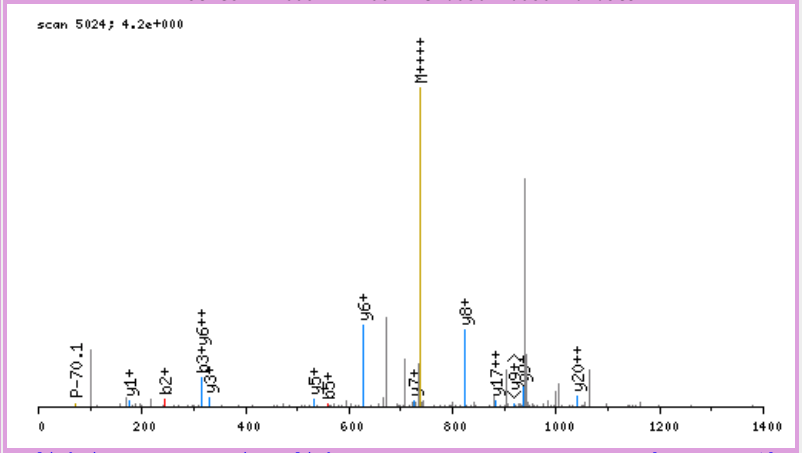
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
261.1273	2	M	10	1145.5625	573.2852
360.1957	3	V	9	1014.5220	507.7649
431.2328	4	A	8	915.4536	458.2307
546.2597	5	D	7	844.4165	422.7121
647.3074	6	T	6	729.3895	365.1987
744.3602	7	P	5	628.3418	314.6748
873.4028	8	E	4	531.2891	266.1485
987.4457	9	N	3	402.2465	201.6272
1100.5298	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

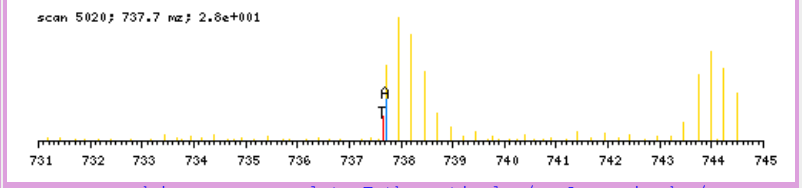
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNAIEGTKASKPMKPAASDLPVPAEGVR, MH+ 2947.6291, m/z 737.6627
L OS G34 P160811 220811-s1.05024.05024.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



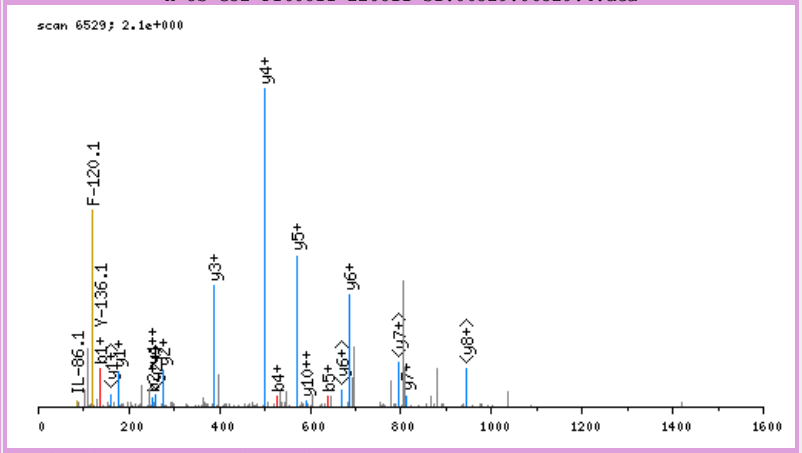
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	28		
244.1297	2	N	27	2818.5502	1409.7790
315.1668	3	A	26	2704.5073	1352.7575
428.2509	4	I	25	2633.4701	1317.2390
557.2935	5	E	24	2520.3861	1260.6970
614.3149	6	G	23	2391.3435	1196.1757
715.3626	7	T	22	2334.3220	1167.6649
871.4889	8	K	21	2233.2743	1117.1411
942.5260	9	A	20	2077.1480	**1039.0779**
1029.5581	10	S	19	2006.1109	1003.5594
1185.6844	11	K	18	1919.0789	960.0434
1282.7371	12	P	17	1762.9526	**881.9802**
1413.7776	13	M	16	1665.8998	833.4538
1569.9039	14	K	15	1534.8594	767.9336
1666.9567	15	P	14	1378.7331	689.8704
1737.9938	16	A	13	1281.6803	641.3441
1809.0309	17	A	12	1210.6432	605.8255
1896.0629	18	S	11	1139.6061	570.3069
2011.0899	19	D	10	1052.5740	526.7909
2124.1739	20	L	9	**937.5471**	469.2775
2221.2267	21	P	8	**824.4630**	412.7354
2320.2951	22	V	7	**727.4103**	364.2090
2417.3479	23	P	6	**628.3418**	**314.6748**
2488.3850	24	A	5	**531.2891**	266.1485
2617.4276	25	E	4	460.2520	230.6299
2674.4490	26	G	3	**331.2094**	166.1086
2773.5175	27	V	2	274.1879	137.5979
	28	R	1	**175.1195**	88.0637

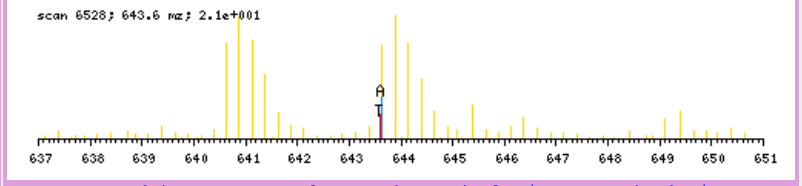
N-term:+29.04 K(8):+156.13
K(11):+156.13 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNCDLYEKLGEYGFQNAILVR, MH+ 2571.3553, m/z 643.5943
H OS G32 P160811 220811-s1.06529.06529.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



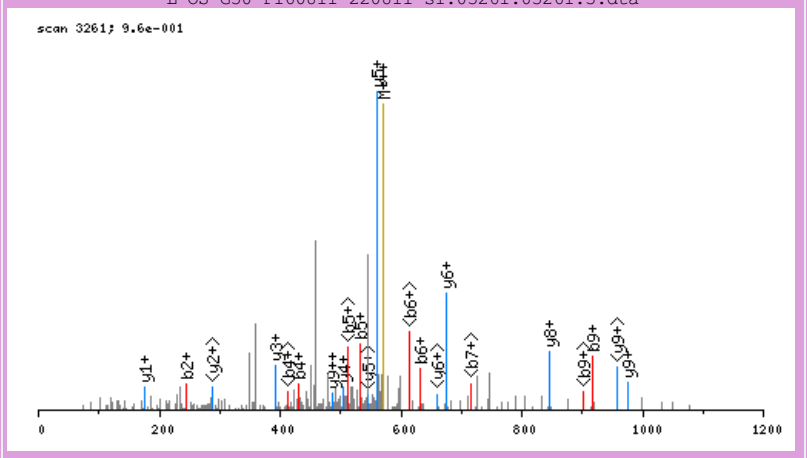
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**21**		
250.1615	**2**	**N**	**20**	2436.2445	1218.6262
410.1921	**3**	**C**	**19**	2322.2016	1161.6047
525.2190	**4**	**D**	**18**	2162.1710	1081.5894
638.3031	**5**	**L**	**17**	2047.1441	1024.0759
801.3664	**6**	**Y**	**16**	1934.0600	967.5339
930.4090	**7**	**E**	**15**	1770.9967	886.0023
1092.5671	**8**	**K**	**14**	1641.9541	821.4810
1205.6512	**9**	**L**	**13**	1479.7960	740.4019
1262.6727	**10**	**G**	**12**	1366.7119	683.8599
1391.7153	**11**	**E**	**11**	1309.6905	655.3491
1554.7786	**12**	**Y**	**10**	1180.6479	**590.8278**
1611.8000	**13**	**G**	**9**	1017.5845	509.2962
1758.8685	**14**	**F**	**8**	960.5631	480.7855
1886.9270	**15**	**Q**	**7**	**813.4947**	407.2512
2000.9700	**16**	**N**	**6**	**685.4361**	343.2220
2072.0071	**17**	**A**	**5**	**571.3932**	286.2005
2185.0911	**18**	**I**	**4**	**500.3560**	**250.6819**
2298.1752	**19**	**L**	**3**	**387.2720**	194.1399
2397.2436	**20**	**V**	**2**	**274.1879**	137.5979
	21	**R**	**1**	**175.1195**	88.0637

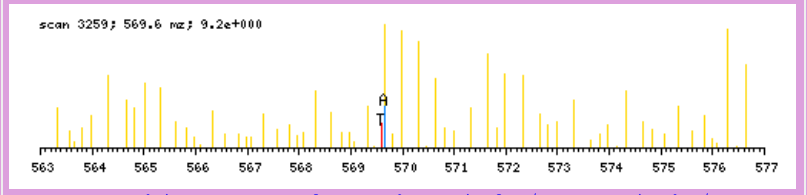
N-term:+35.07 C(3):+160.03
K(8):+162.16

TNGETTTQGLDGLSER, MH+ 1706.8197, m/z 569.6114
L OS G30 P160811 220811-s1.03261.03261.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO



click image to zoom in; click top corners to zoom out [precursor±]



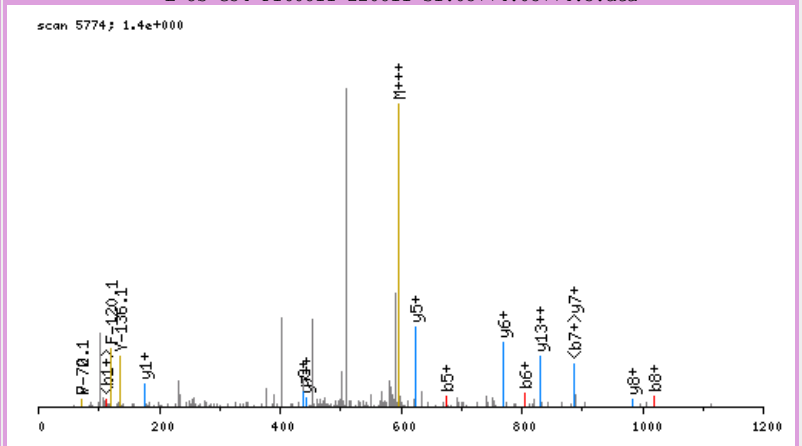
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
244.1297	2	N	15	1577.7407	789.3743
301.1512	3	G	14	1463.6978	732.3528
430.1938	4	E	13	1406.6763	703.8421
531.2414	5	T	12	1277.6337	639.3208
632.2891	6	T	11	1176.5861	588.7969
733.3368	7	T	10	1075.5384	538.2731
861.3954	8	Q	9	**974.4907**	**487.7493**
918.4168	9	G	8	**846.4321**	423.7200
1031.5009	10	L	7	789.4107	395.2092
1146.5278	11	D	6	**676.3266**	338.6672
1203.5493	12	G	5	**561.2997**	281.1537
1316.6334	13	L	4	**504.2782**	252.6430
1403.6654	14	S	3	**391.1941**	196.1010
1532.7080	15	E	2	304.1621	152.5850
	16	R	1	**175.1195**	88.0637

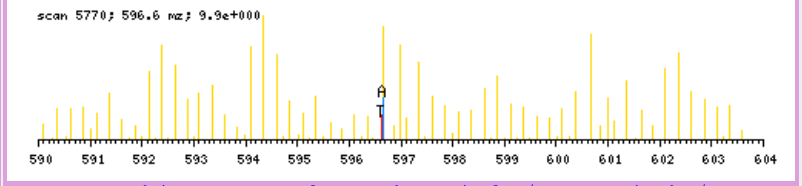
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TNKDCEVDFGEYVR, MH+ 1787.8274, m/z 596.6140
L OS G34 P160811 220811-s1.05774.05774.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



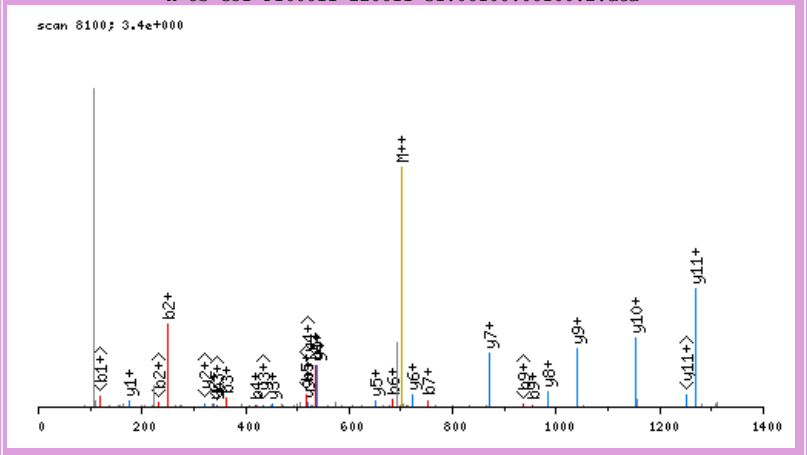
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
244.1297	2	N	13	1658.7484	**829.8781**
400.2560	3	K	12	1544.7055	772.8567
515.2829	4	D	11	1388.5792	694.7935
675.3135	5	C	10	1273.5523	637.2800
804.3561	6	E	9	1113.5217	557.2647
903.4246	7	V	8	**984.4791**	492.7434
1018.4515	8	D	7	**885.4107**	**443.2092**
1165.5199	9	F	6	**770.3837**	385.6958
1222.5414	10	G	5	**623.3153**	312.1616
1351.5840	11	E	4	566.2938	283.6508
1514.6473	12	Y	3	**437.2512**	219.1295
1613.7157	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

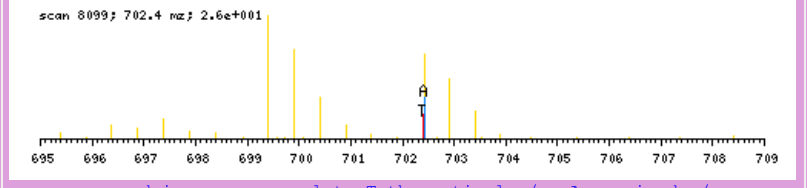
N-term:+29.04 K(3):+156.13
C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNLGDFAISLYR, MH+ 1403.7747, m/z 702.3910
H OS G31 P160811 220811-s1.08100.08100.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



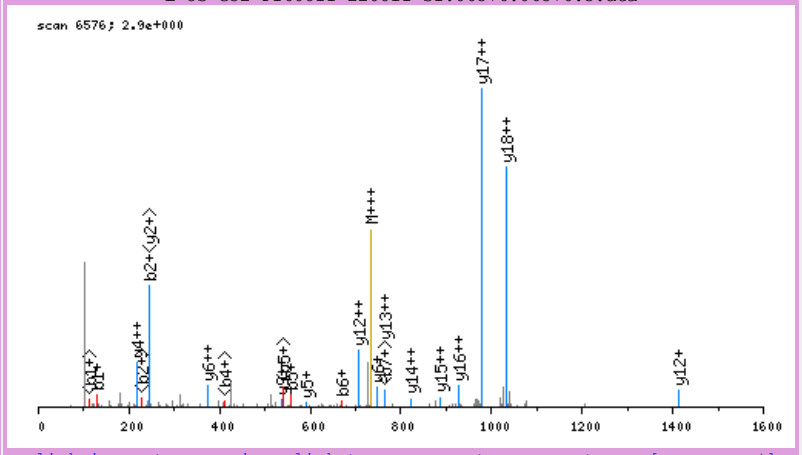
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
250.1615	2	N	11	1268.6639	634.8359
363.2456	3	L	10	1154.6210	577.8144
420.2670	4	G	9	1041.5369	521.2724
535.2940	5	D	8	984.5155	492.7616
682.3624	6	F	7	869.4885	435.2482
753.3995	7	A	6	722.4201	361.7140
866.4836	8	I	5	651.3830	326.1954
953.5156	9	S	4	538.2989	269.6534
1066.5997	10	L	3	451.2669	226.1374
1229.6630	11	Y	2	338.1828	169.5953
	12	R	1	175.1195	88.0637

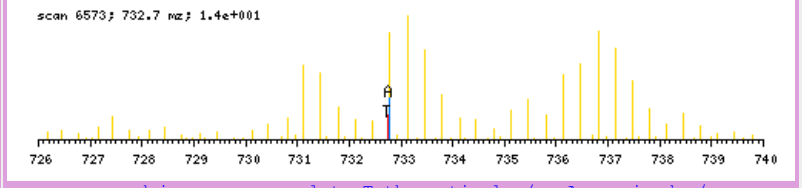
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TNPSQLLPLELVDKCIGSR, MH+ 2196.2062, m/z 732.7402
L OS G32 P160811 220811-s1.06576.06576.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



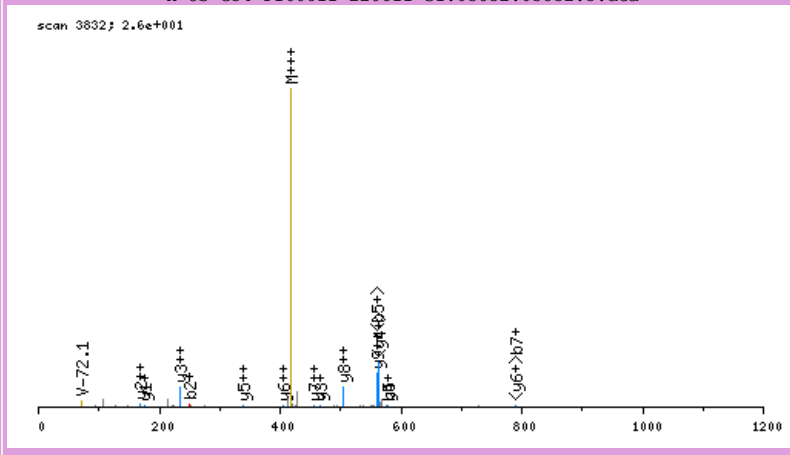
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**19**		
244.1297	**2**	**N**	**18**	2067.1272	**1034.0675**
341.1825	**3**	**P**	**17**	1953.0843	**977.0461**
428.2145	**4**	**S**	**16**	1856.0315	**928.5197**
556.2731	**5**	**Q**	**15**	1768.9995	**885.0037**
669.3571	**6**	**L**	**14**	1640.9409	**820.9744**
782.4412	**7**	**L**	**13**	1527.8569	**764.4323**
879.4940	**8**	**P**	**12**	**1414.7728**	**707.8903**
992.5780	**9**	**L**	**11**	1317.7200	659.3639
1121.6206	**10**	**E**	**10**	1204.6360	602.8219
1234.7047	**11**	**L**	**9**	1075.5934	**538.3006**
1333.7731	**12**	**V**	**8**	962.5093	481.7586
1448.8000	**13**	**D**	**7**	863.4409	432.2244
1604.9263	**14**	**K**	**6**	**748.4140**	**374.7109**
1764.9569	**15**	**C**	**5**	**592.2877**	296.6477
1878.0410	**16**	**I**	**4**	432.2571	**216.6324**
1935.0625	**17**	**G**	**3**	319.1730	160.0904
2022.0945	**18**	**S**	**2**	262.1515	131.5797
	19	**R**	**1**	175.1195	88.0637

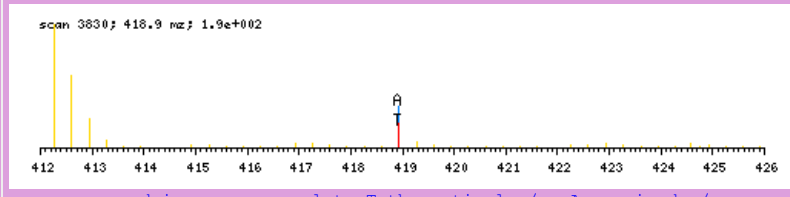
N-term:+29.04 K(14):+156.13
C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNPTEVLEKR, MH+ 1254.7694, m/z 418.9280
H OS G34 P160811 220811-s1.03832.03832.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



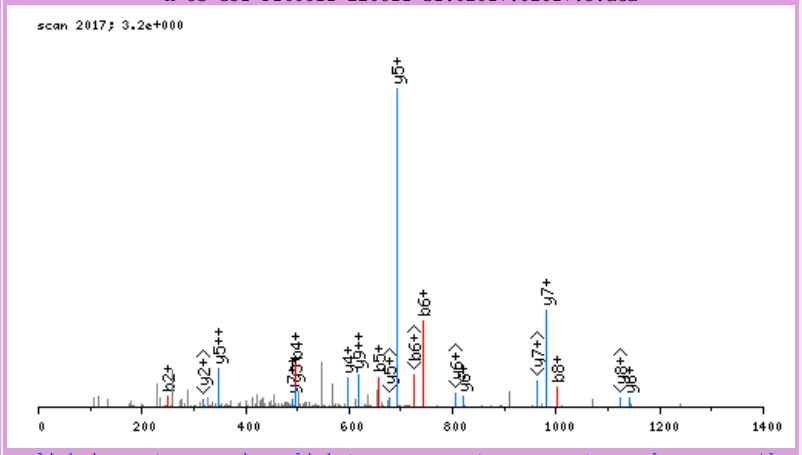
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	10		
250.1615	2	N	9	1119.6586	**560.3332**
347.2143	3	P	8	1005.6157	**503.3118**
448.2619	4	T	7	908.5629	**454.7854**
577.3045	5	E	6	807.5153	**404.2615**
676.3730	6	V	5	678.4727	**339.7402**
789.4570	7	L	4	**579.4043**	290.2060
918.4996	8	E	3	**466.3202**	**233.6640**
1080.6577	9	K	2	337.2776	**169.1427**
	10	R	1	**175.1195**	88.0637

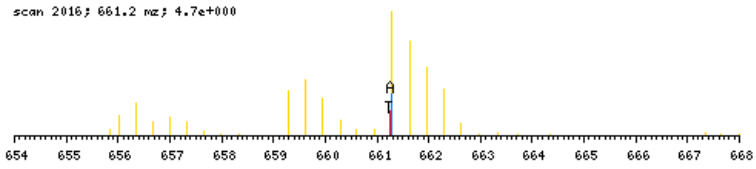
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNSCCSPCCQPTCCR, MH+ 1981.7326, m/z 661.2491
H OS G31 P160811 220811-s1.02017.02017.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



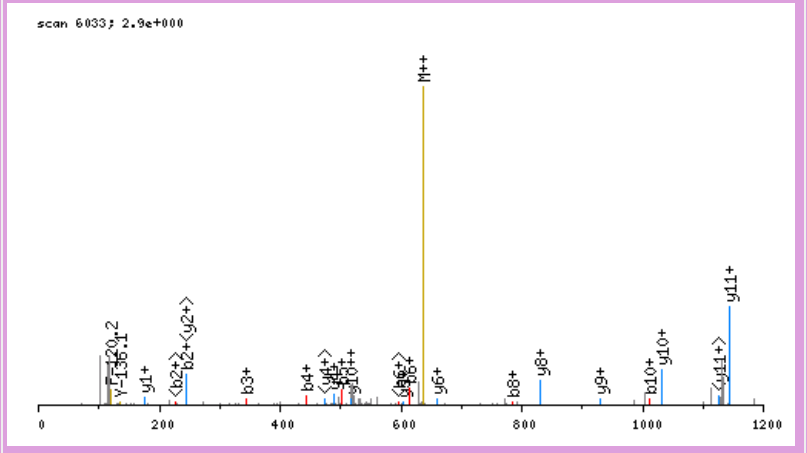
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
250.1615	2	N	14	1846.6219	923.8148
337.1935	3	S	13	1732.5789	866.7934
497.2241	4	C	12	1645.5469	823.2774
657.2547	5	C	11	1485.5163	743.2621
744.2868	6	S	10	1325.4857	663.2468
841.3395	7	P	9	1238.4537	**619.7308**
1001.3701	8	C	8	**1141.4009**	571.2044
1161.4007	9	C	7	**981.3703**	**491.1891**
1289.4593	10	Q	6	**821.3397**	411.1738
1386.5121	11	P	5	**693.2811**	**347.1445**
1487.5597	12	T	4	**596.2284**	298.6181
1647.5903	13	C	3	**495.1807**	248.0943
1807.6209	14	C	2	335.1501	168.0790
	15	R	1	175.1195	88.0637

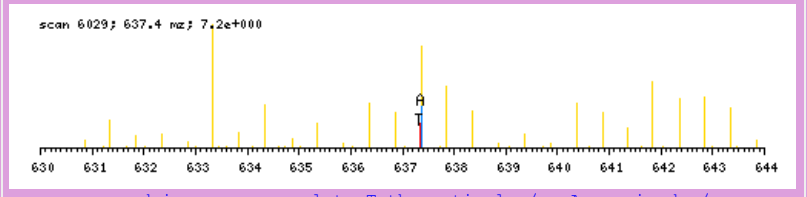
N-term:+35.07 C(4):+160.03
C(5):+160.03 C(8):+160.03 C(9):+160.03
C(13):+160.03 C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNTVGLGLPMSR, MH+ 1273.6938, m/z 637.3505
L OS G31 P160811 220811-s1.06033.06033.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



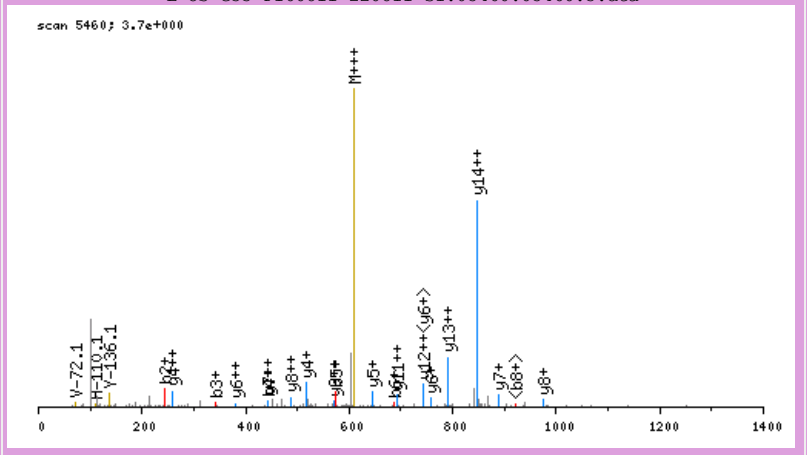
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
244.1297	2	N	11	1144.6149	572.8113
345.1774	3	T	10	1030.5719	515.7899
444.2458	4	V	9	929.5242	465.2660
501.2673	5	G	8	830.4558	415.7318
614.3513	6	L	7	773.4344	387.2211
671.3728	7	G	6	660.3503	330.6791
784.4569	8	L	5	603.3288	302.1683
881.5096	9	P	4	490.2448	245.6263
1012.5501	10	M	3	393.1920	197.0999
1099.5821	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

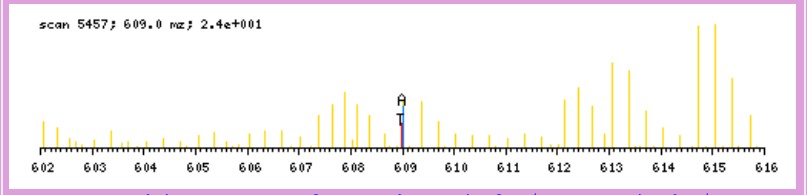
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TNVVMNYSEIESKVR, MH+ 1824.9530, m/z 608.9892
L OS G33 P160811 220811-s1.05460.05460.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



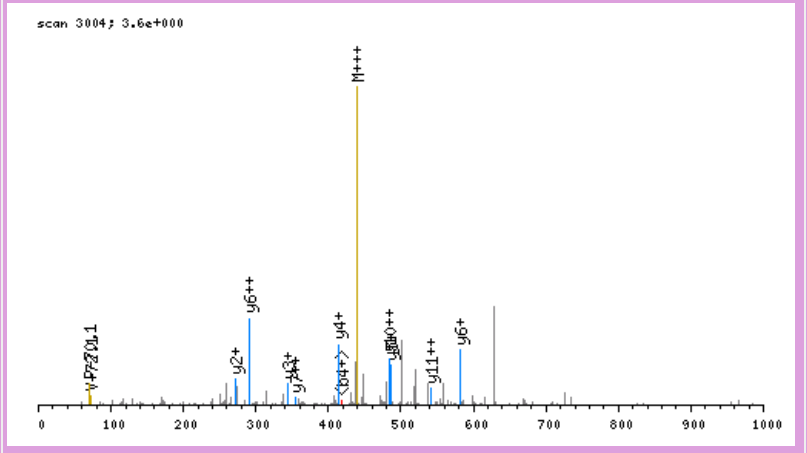
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
244.1297	2	N	14	1695.8740	**848.4409**
343.1981	3	V	13	1581.8311	**791.4195**
442.2665	4	V	12	1482.7627	**741.8853**
573.3070	5	M	11	1383.6943	**692.3510**
687.3499	6	N	10	1252.6538	626.8308
850.4133	7	Y	9	1138.6109	**569.8093**
937.4453	8	S	8	**975.5475**	**488.2777**
1066.4879	9	E	7	**888.5155**	**444.7617**
1179.5720	10	I	6	**759.4729**	**380.2404**
1308.6146	11	E	5	**646.3888**	323.6983
1395.6466	12	S	4	**517.3462**	**259.1770**
1551.7729	13	K	3	430.3142	215.6610
1650.8413	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

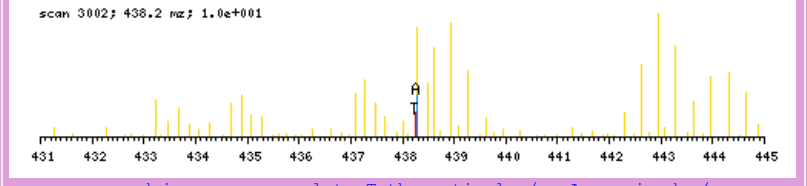
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPDSPAQPAAAPR, MH+ 1312.7073, m/z 438.2406
H OS G33 P160811 220811-s1.03004.03004.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



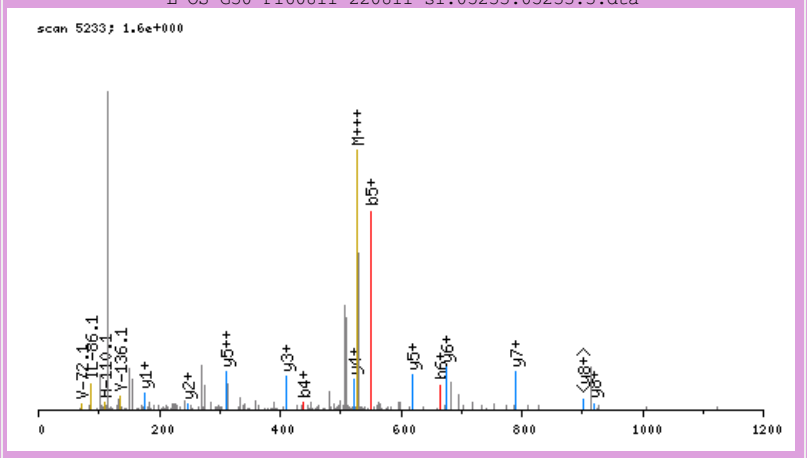
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
233.1713	2	P	12	1177.5966	589.3022
348.1983	3	D	11	1080.5438	**540.7758**
435.2303	4	S	10	965.5169	**483.2623**
532.2831	5	P	9	878.4848	439.7463
603.3202	6	A	8	781.4321	391.2199
731.3788	7	Q	7	710.3949	**355.7014**
828.4315	8	P	6	**582.3364**	**291.6721**
899.4686	9	A	5	**485.2836**	243.1457
970.5058	10	A	4	**414.2465**	207.6272
1041.5429	11	A	3	**343.2094**	172.1086
1138.5956	12	P	2	**272.1723**	136.5900
	13	R	1	175.1195	88.0637

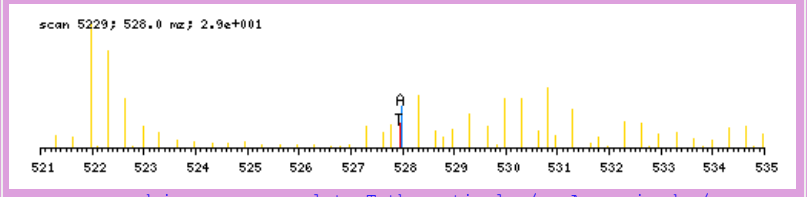
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPLPNLQNGPIYAR, MH+ 1581.8753, m/z 527.9633
L OS G30 P160811 220811-s1.05233.05233.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



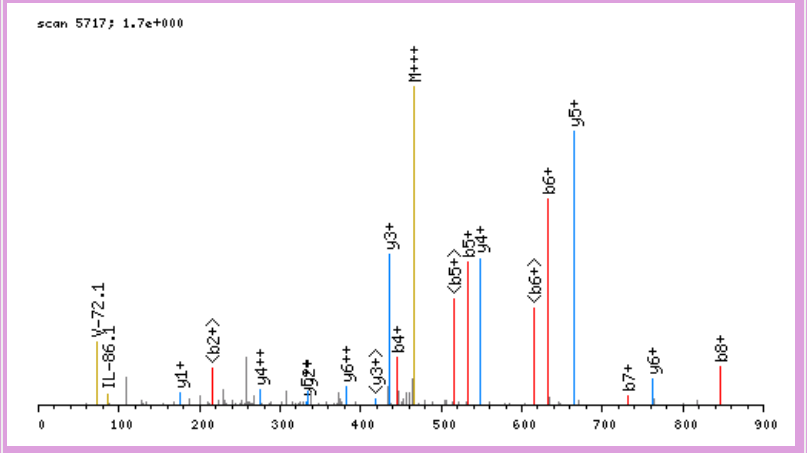
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
227.1395	2	P	13	1452.7963	726.9021
340.2236	3	L	12	1355.7436	678.3757
437.2764	4	P	11	1242.6595	621.8337
551.3193	5	N	10	1145.6067	573.3073
664.4034	6	L	9	1031.5638	516.2858
792.4619	7	Q	8	**918.4797**	459.7438
906.5049	8	N	7	**790.4212**	395.7145
963.5263	9	G	6	**676.3782**	338.6930
1060.5791	10	P	5	**619.3568**	**310.1823**
1173.6632	11	I	4	**522.3040**	261.6559
1336.7265	12	Y	3	**409.2199**	205.1139
1407.7636	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

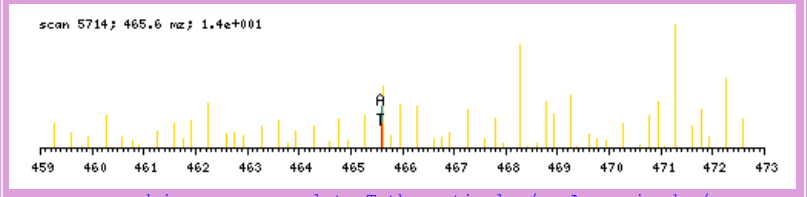
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPNVSVVDLTCR, MH+ 1394.7525, m/z 465.5890
H OS G31 P160811 220811-s1.05717.05717.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



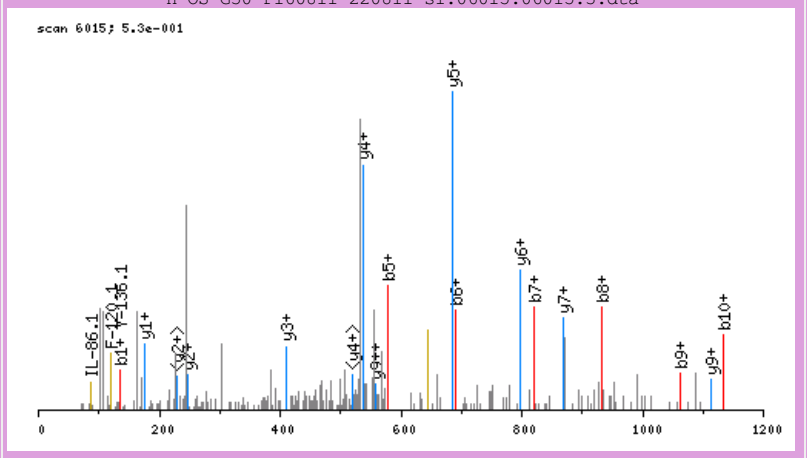
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
233.1713	2	P	11	1259.6417	630.3248
347.2143	3	N	10	1162.5890	581.7984
446.2827	4	V	9	1048.5461	524.7769
533.3147	5	S	8	949.4776	475.2427
632.3831	6	V	7	862.4456	431.7267
731.4515	7	V	6	**763.3772**	**382.1925**
846.4785	8	D	5	**664.3088**	**332.6583**
959.5625	9	L	4	**549.2818**	**275.1448**
1060.6102	10	T	3	**436.1978**	218.6028
1220.6408	11	C	2	**335.1501**	168.0790
	12	R	1	**175.1195**	88.0637

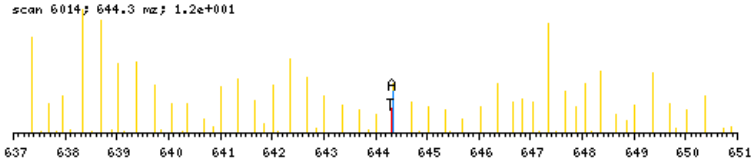
N-term:+35.07 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TPQSELENEALFEYAR, MH+ 1930.9610, m/z 644.3252
H OS G30 P160811 220811-s1.06015.06015.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



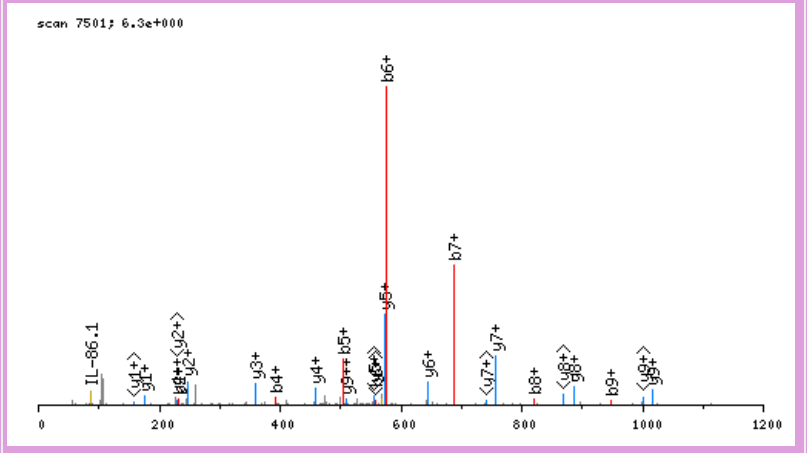
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**16**		
233.1713	**2**	**P**	**15**	1795.8503	898.4290
361.2299	**3**	**Q**	**14**	1698.7975	849.9027
448.2619	**4**	**S**	**13**	1570.7389	785.8734
577.3045	**5**	**E**	**12**	1483.7069	742.3574
690.3886	**6**	**L**	**11**	1354.6643	677.8361
819.4312	**7**	**E**	**10**	1241.5802	621.2940
933.4741	**8**	**N**	**9**	**1112.5376**	**556.7727**
1062.5167	**9**	**E**	**8**	998.4947	499.7513
1133.5538	**10**	**A**	**7**	**869.4521**	435.2300
1246.6379	**11**	**L**	**6**	**798.4150**	399.7114
1393.7063	**12**	**F**	**5**	**685.3310**	343.1694
1522.7489	**13**	**E**	**4**	**538.2625**	269.6352
1685.8122	**14**	**Y**	**3**	**409.2199**	205.1139
1756.8493	**15**	**A**	**2**	**246.1566**	123.5822
	16	**R**	**1**	**175.1195**	88.0637

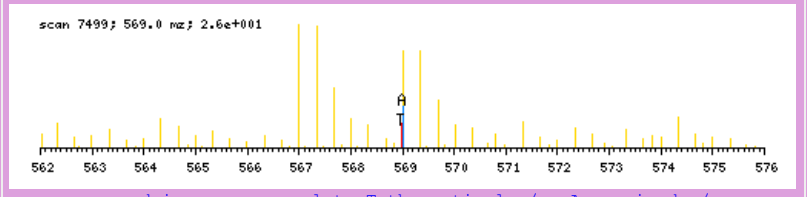
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPSALAIMENANVLAR, MH+ 1704.9530, m/z 568.9892
H OS G30 P160811 220811-s1.07501.07501.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



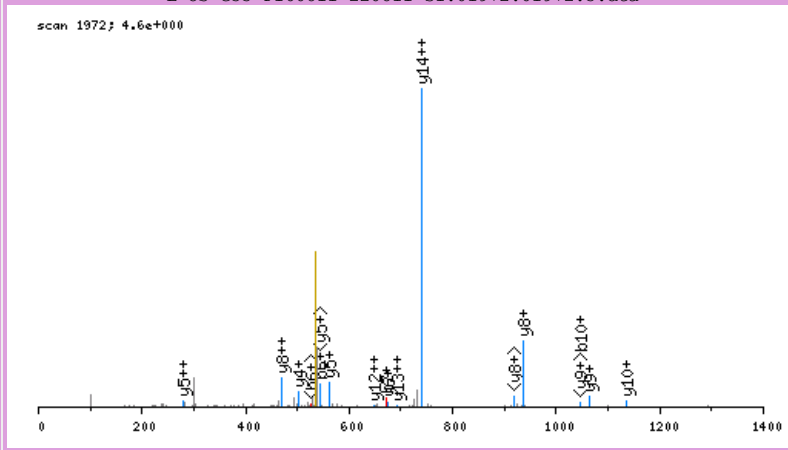
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	16		
233.1713	2	P	15	1569.8423	785.4251
320.2034	3	S	14	1472.7895	736.8987
391.2405	4	A	13	1385.7575	693.3827
504.3245	5	L	12	1314.7204	657.8641
575.3617	6	A	11	1201.6363	601.3221
688.4457	7	I	10	1130.5992	565.8035
819.4862	8	M	9	**1017.5151**	**509.2615**
948.5288	9	E	8	**886.4747**	443.7412
1062.5717	10	N	7	**757.4321**	379.2199
1133.6088	11	A	6	**643.3891**	322.1985
1247.6518	12	N	5	**572.3520**	286.6799
1346.7202	13	V	4	**458.3091**	**229.6585**
1459.8043	14	L	3	**359.2407**	180.1243
1530.8414	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

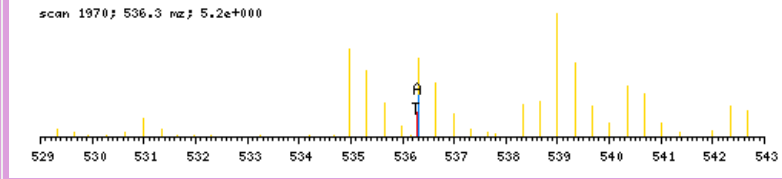
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPSGTAEPYDGTKAR, MH+ 1606.8077, m/z 536.2741
L OS G33 P160811 220811-s1.01972.01972.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



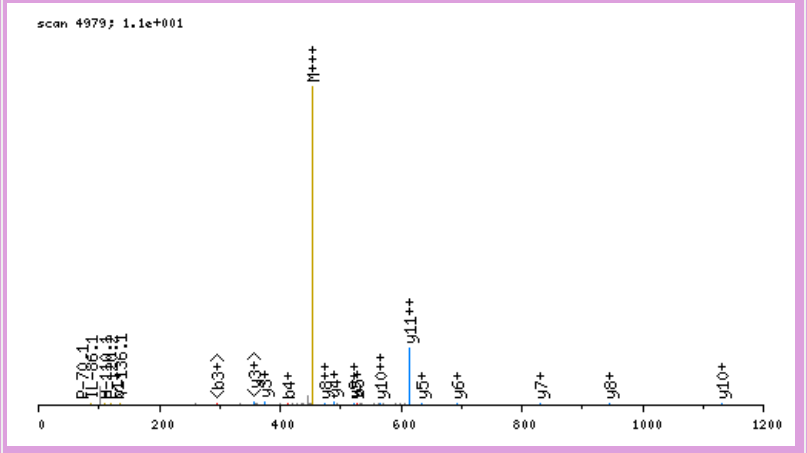
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
227.1395	2	P	14	1477.7287	**739.3683**
314.1716	3	S	13	1380.6760	**690.8419**
371.1930	4	G	12	1293.6439	**647.3259**
472.2407	5	T	11	1236.6225	618.8152
543.2778	6	A	10	**1135.5748**	568.2913
672.3204	7	E	9	**1064.5377**	532.7728
769.3732	8	P	8	**935.4951**	**468.2515**
932.4365	9	Y	7	838.4423	419.7251
1047.4635	10	D	6	**675.3790**	338.1934
1104.4849	11	G	5	**560.3521**	**280.6799**
1205.5326	12	T	4	**503.3306**	252.1692
1361.6589	13	K	3	402.2829	201.6454
1432.6960	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

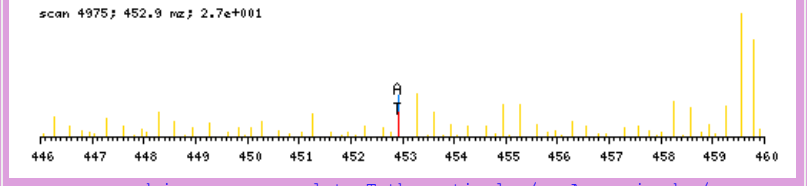
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPSVDHGFLVTR, MH+ 1356.7275, m/z 452.9140
L OS G34 P160811 220811-s1.04979.04979.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



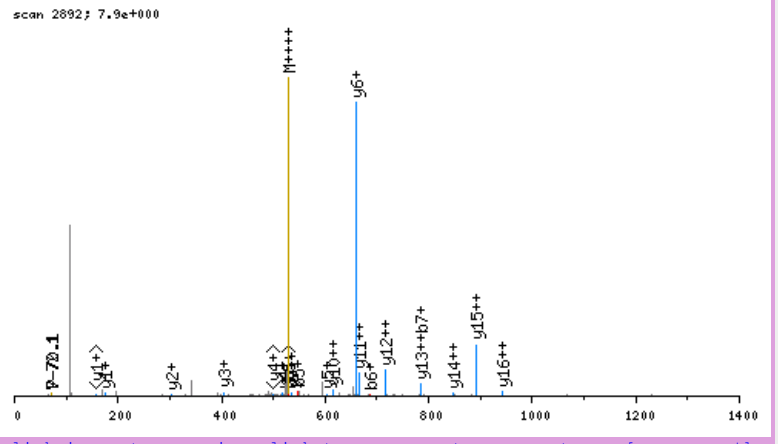
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
227.1395	2	P	11	1227.6486	614.3282
314.1716	3	S	10	1130.5958	565.8018
413.2400	4	V	9	1043.5638	522.2858
528.2669	5	D	8	944.4954	472.7516
665.3258	6	H	7	829.4684	415.2381
722.3473	7	G	6	692.4095	346.7087
869.4157	8	F	5	635.3881	318.1979
982.4998	9	L	4	488.3197	244.6637
1081.5682	10	V	3	375.2356	188.1217
1182.6159	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

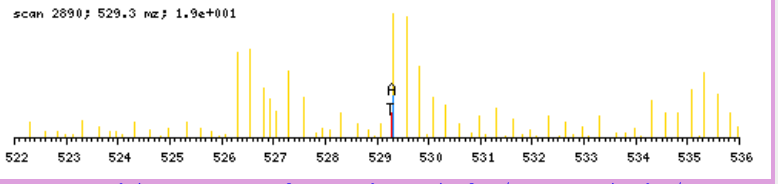
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TPVSEHVTKCCSGSLVER, MH+ 2114.1009, m/z 529.2807
H OS G34 P160811 220811-s1.02892.02892.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



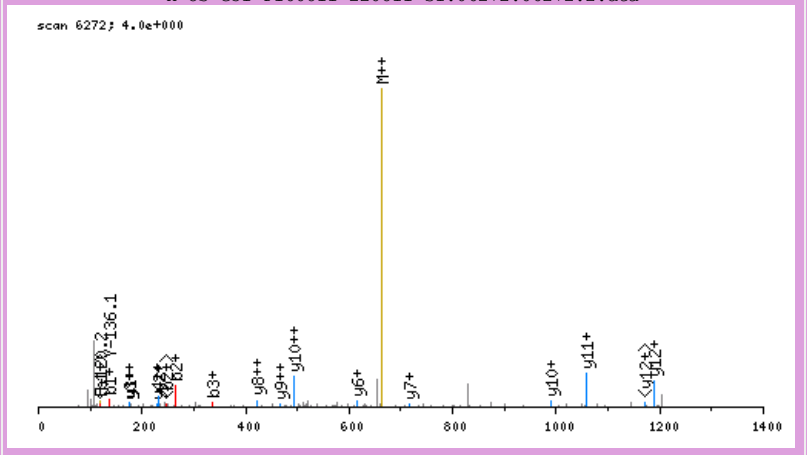
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	18		
233.1713	2	P	17	1978.9902	989.9990
332.2398	3	V	16	1881.9374	**941.4726**
419.2718	4	S	15	1782.8690	**891.9384**
548.3144	5	E	14	1695.8370	**848.4224**
685.3733	6	H	13	1566.7944	**783.9011**
784.4417	7	V	12	1429.7355	**715.3717**
885.4894	8	T	11	1330.6671	**665.8374**
1047.6475	9	K	10	1229.6194	**615.3136**
1207.6781	10	C	9	1067.4613	**534.2346**
1367.7087	11	C	8	907.4307	454.2193
1454.7407	12	S	7	747.4001	374.2040
1511.7622	13	G	6	**660.3681**	330.6879
1598.7942	14	S	5	**603.3466**	302.1772
1711.8783	15	L	4	**516.3146**	258.6612
1810.9467	16	V	3	**403.2305**	202.1192
1939.9893	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

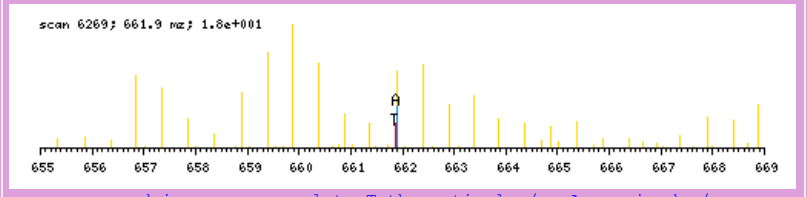
N-term:+35.07 K(9):+162.16
C(10):+160.03 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQAGSEVSALLGR, MH+ 1322.7492, m/z 661.8782
H OS G31 P160811 220811-s1.06272.06272.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



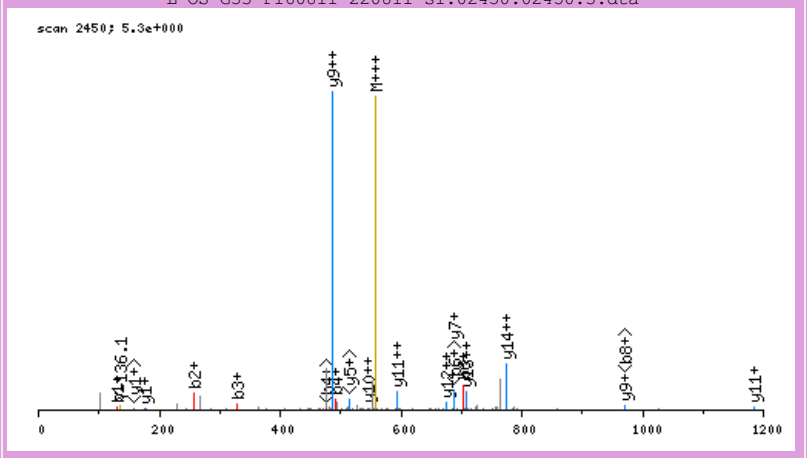
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
264.1772	2	Q	12	1187.6384	594.3231
335.2143	3	A	11	1059.5798	530.2938
392.2357	4	G	10	988.5427	494.7753
479.2678	5	S	9	931.5213	466.2645
608.3104	6	E	8	844.4892	422.7485
707.3788	7	V	7	715.4466	358.2272
794.4108	8	S	6	616.3782	308.6930
865.4479	9	A	5	529.3462	265.1770
978.5320	10	L	4	458.3091	229.6585
1091.6160	11	L	3	345.2250	173.1164
1148.6375	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

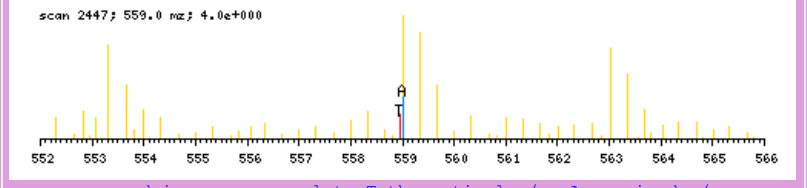
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQAYPDQKPGTSGLR, MH+ 1674.8815, m/z 558.9654
L OS G33 P160811 220811-s1.02450.02450.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



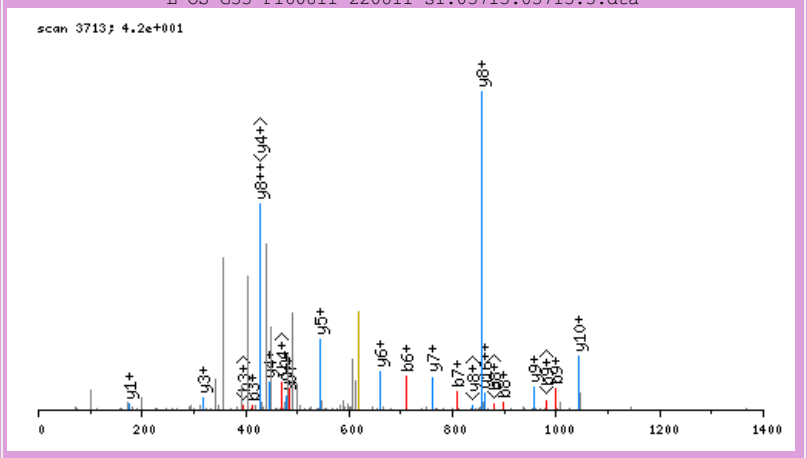
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
258.1454	2	Q	14	1545.8026	773.4052
329.1825	3	A	13	1417.7440	709.3759
492.2458	4	Y	12	1346.7069	673.8574
589.2986	5	P	11	1183.6435	592.3257
704.3255	6	D	10	1086.5908	543.7993
832.3841	7	Q	9	971.5638	486.2858
988.5104	8	K	8	843.5053	422.2565
1085.5631	9	P	7	687.3790	344.1934
1142.5846	10	G	6	590.3262	295.6670
1243.6323	11	T	5	533.3047	267.1563
1330.6643	12	S	4	432.2571	216.6324
1387.6858	13	G	3	345.2250	173.1164
1500.7698	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

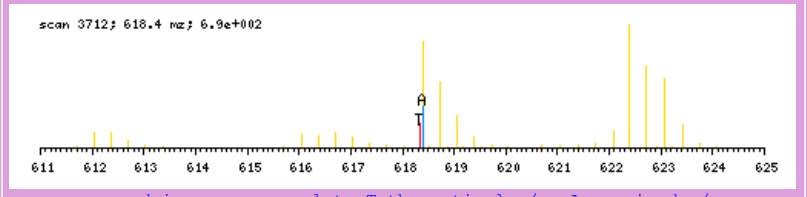
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQKAPQVSTPTLVEAAR, MH+ 1853.0496, m/z 618.3547
L OS G33 P160811 220811-s1.03713.03713.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



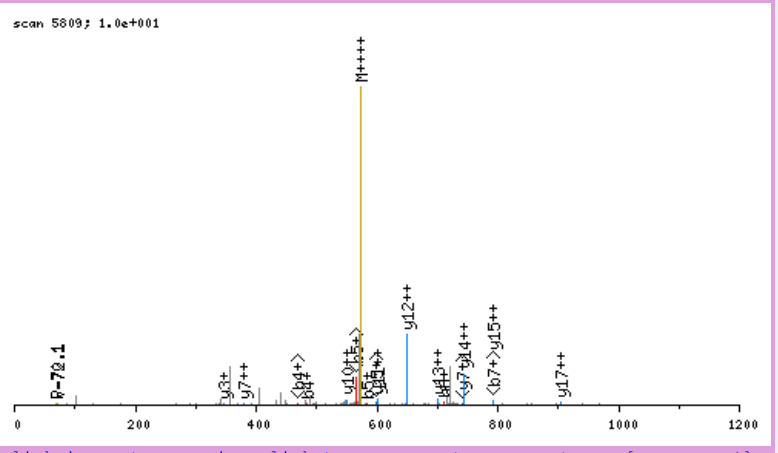
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
258.1454	2	Q	16	1723.9707	**862.4893**
414.2717	3	K	15	1595.9121	798.4600
485.3088	4	A	14	1439.7858	720.3968
582.3615	5	P	13	1368.7487	684.8783
710.4201	6	Q	12	1271.6959	636.3519
809.4885	7	V	11	1143.6374	572.3226
896.5206	8	S	10	**1044.5689**	522.7884
997.5682	9	T	9	**957.5369**	**479.2724**
1094.6210	10	P	8	**856.4892**	**428.7485**
1195.6687	11	T	7	**759.4365**	380.2222
1308.7527	12	L	6	**658.3888**	329.6983
1407.8212	13	V	5	**545.3047**	273.1563
1536.8637	14	E	4	**446.2363**	223.6221
1607.9009	15	A	3	**317.1937**	159.1008
1678.9380	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

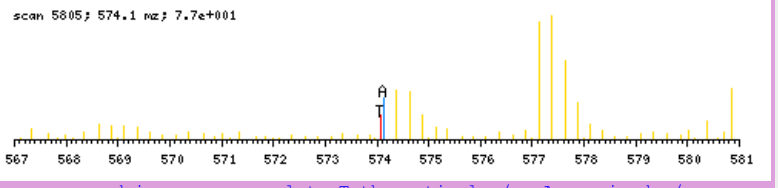
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQKAPQVSTPTLVEAARNLGR, MH+ 2293.2992, m/z 574.0803
L OS G34 P160811 220811-s1.05809.05809.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



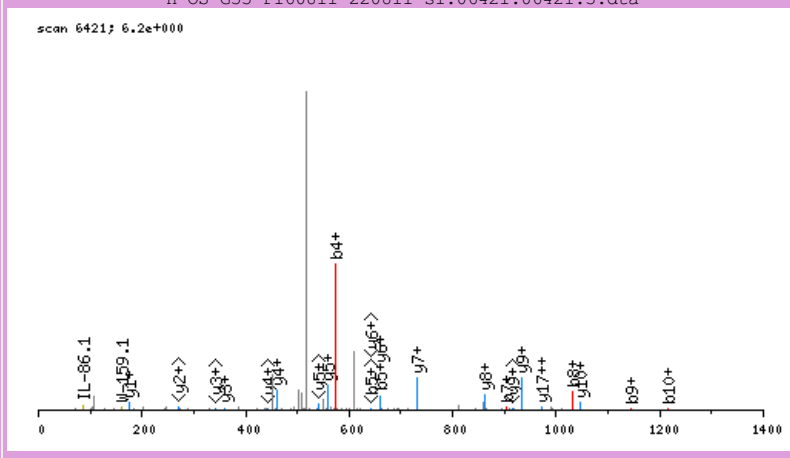
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
258.1454	2	Q	20	2164.2203	1082.6140
414.2717	3	K	19	2036.1617	1018.5848
485.3088	4	A	18	1880.0354	940.5216
582.3615	5	P	17	1808.9983	**905.0030**
710.4201	6	Q	16	1711.9455	856.4767
809.4885	7	V	15	1583.8869	**792.4474**
896.5206	8	S	14	1484.8185	**742.9132**
997.5682	9	T	13	1397.7865	**699.3972**
1094.6210	10	P	12	1296.7388	**648.8733**
1195.6687	11	T	11	1199.6860	**600.3469**
1308.7527	12	L	10	1098.6384	**549.8231**
1407.8212	13	V	9	985.5543	493.2811
1536.8637	14	E	8	886.4859	443.7469
1607.9009	15	A	7	757.4433	**379.2256**
1678.9380	16	A	6	686.4062	343.7070
1835.0391	17	R	5	615.3691	308.1884
1949.0820	18	N	4	459.2680	230.1379
2062.1661	19	L	3	**345.2250**	173.1164
2119.1875	20	G	2	232.1410	116.5744
	21	R	1	175.1195	88.0637

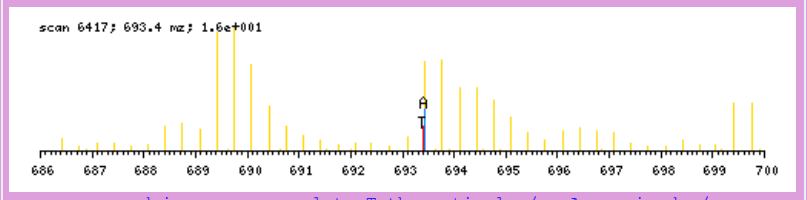
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQKFSNEEIAMATVTALR, MH+ 2078.1592, m/z 693.3913
H OS G33 P160811 220811-s1.06421.06421.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



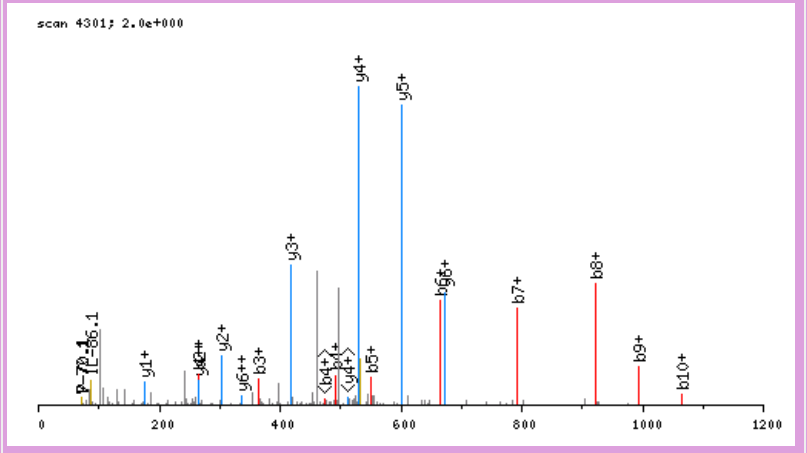
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	18		
264.1772	2	Q	17	1943.0485	**972.0281**
426.3353	3	K	16	1814.9899	907.9989
573.4037	4	F	15	1652.8318	826.9198
660.4357	5	S	14	1505.7634	753.3856
774.4786	6	N	13	1418.7313	709.8696
903.5212	7	E	12	1304.6884	652.8481
1032.5638	8	E	11	1175.6458	588.3268
1145.6479	9	I	10	**1046.6032**	523.8055
1216.6850	10	A	9	**933.5192**	467.2635
1347.7255	11	M	8	**862.4820**	431.7449
1418.7626	12	A	7	**731.4416**	366.2247
1519.8103	13	T	6	**660.4044**	330.7061
1618.8787	14	V	5	**559.3568**	280.1823
1719.9264	15	T	4	**460.2884**	230.6481
1790.9635	16	A	3	**359.2407**	180.1243
1904.0475	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

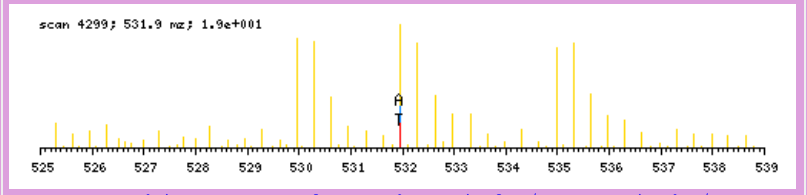
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQVEGDEEAALLER, MH+ 1593.8184, m/z 531.9443
H OS G30 P160811 220811-s1.04301.04301.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



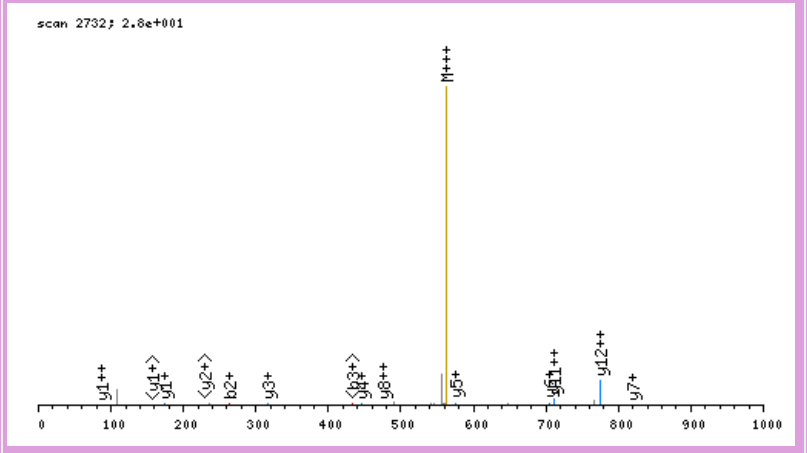
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
264.1772	2	Q	13	1458.7076	729.8577
363.2456	3	V	12	1330.6490	665.8284
492.2882	4	E	11	1231.5806	616.2942
549.3096	5	G	10	1102.5380	551.7729
664.3366	6	D	9	1045.5166	523.2622
793.3792	7	E	8	930.4896	465.7487
922.4218	8	E	7	801.4470	401.2274
993.4589	9	A	6	672.4044	336.7061
1064.4960	10	A	5	601.3673	301.1876
1177.5800	11	L	4	530.3302	265.6690
1290.6641	12	L	3	417.2462	209.1270
1419.7067	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

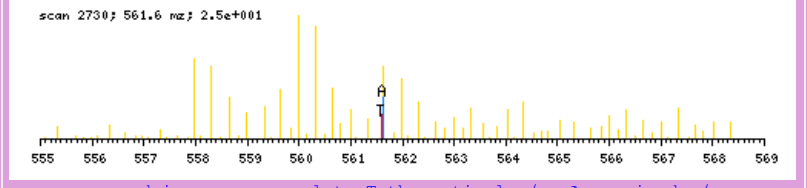
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TQWREEDEEEAAR, MH+ 1682.7834, m/z 561.5993
H OS G34 P160811 220811-s1.02732.02732.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



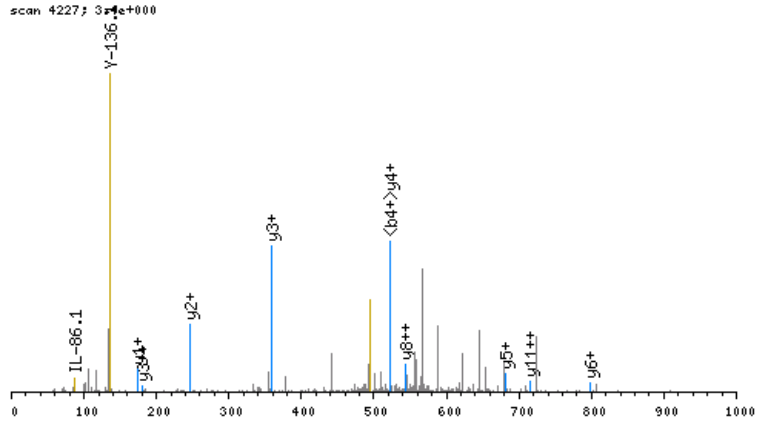
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
264.1772	2	Q	12	1547.6726	774.3402
450.2565	3	W	11	1419.6141	710.3109
606.3576	4	R	10	1233.5347	617.2713
735.4002	5	E	9	1077.4336	539.2207
864.4428	6	E	8	948.3910	474.6994
979.4697	7	D	7	819.3485	410.1781
1108.5123	8	E	6	704.3215	352.6647
1237.5549	9	E	5	575.2789	288.1434
1366.5975	10	E	4	446.2363	223.6221
1437.6346	11	A	3	317.1937	159.1008
1508.6717	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

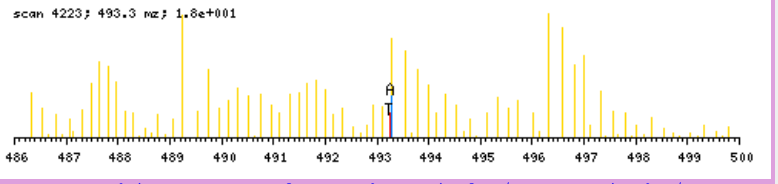
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TRKPVDQYEDCYLAR, MH+ 1969.9805, m/z 493.2506
L OS G35 P160811 220811-s1.04227.04227.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



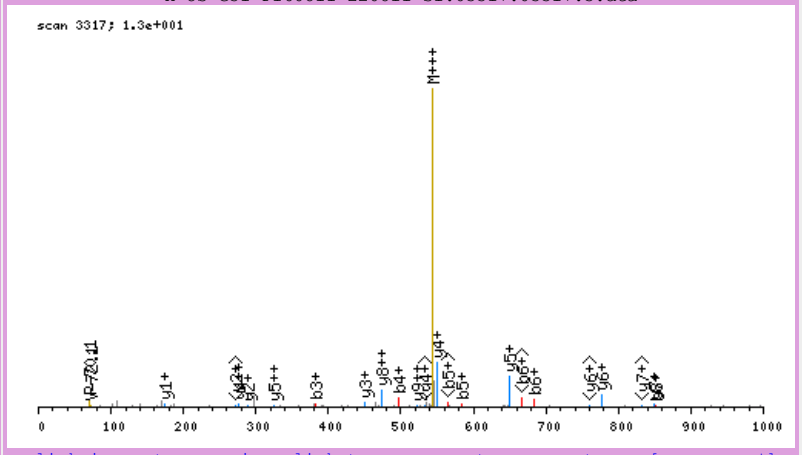
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
286.1879	2	R	14	1840.9016	920.9547
442.3142	3	K	13	1684.8005	842.9041
539.3670	4	P	12	1528.6742	764.8410
638.4354	5	V	11	1431.6214	**716.3146**
753.4623	6	D	10	1332.5530	666.7804
881.5209	7	Q	9	1217.5260	609.2669
1044.5842	8	Y	8	1089.4675	**545.2376**
1173.6268	9	E	7	926.4041	463.7060
1288.6538	10	D	6	**797.3616**	399.1847
1448.6844	11	C	5	**682.3346**	341.6712
1611.7477	12	Y	4	**522.3040**	261.6559
1724.8317	13	L	3	**359.2407**	**180.1243**
1795.8689	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

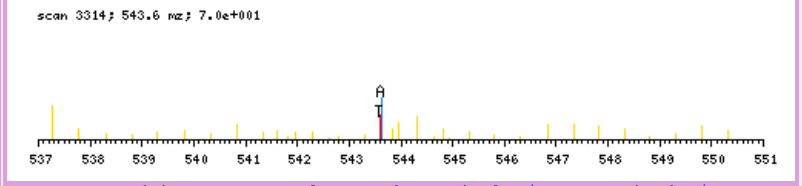
N-term:+29.04 K(3):+156.13
C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSCISTPAQVTCNR, MH+ 1628.7947, m/z 543.6031
H OS G31 P160811 220811-s1.03317.03317.3.dta



click image to zoom in; click top corners to zoom out [precursor]



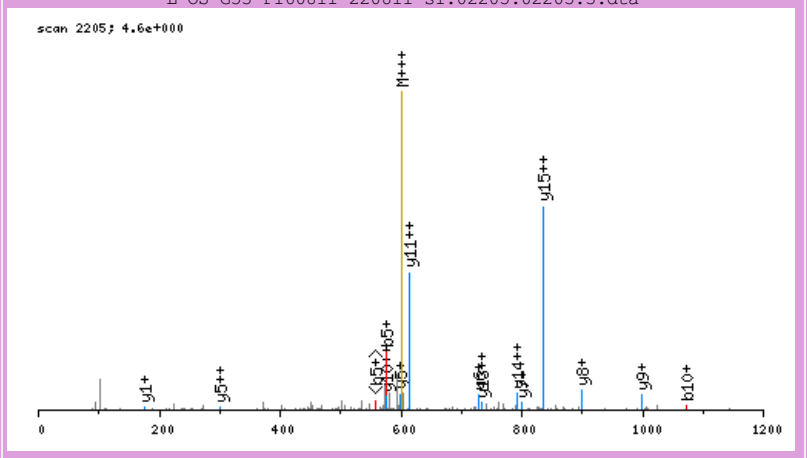
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
223.1506	2	S	13	1493.6840	747.3459
383.1812	3	C	12	1406.6519	703.8299
496.2653	4	I	11	1246.6213	623.8146
583.2973	5	S	10	1133.5373	567.2726
684.3450	6	T	9	1046.5053	**523.7565**
781.3977	7	P	8	945.4576	**473.2327**
852.4349	8	A	7	**848.4048**	424.7063
980.4934	9	Q	6	**777.3677**	389.1878
1079.5618	10	V	5	**649.3091**	**325.1585**
1180.6095	11	T	4	**550.2407**	**275.6243**
1340.6401	12	C	3	**449.1930**	225.1004
1454.6831	13	N	2	**289.1624**	145.0851
	14	R	1	**175.1195**	88.0637

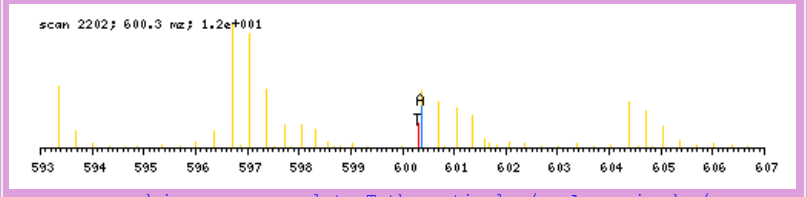
N-term:+35.07 C(3):+160.03
C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSDQDAKVVAEPQAQR, MH+ 1798.9299, m/z 600.3148
L OS G33 P160811 220811-s1.02205.02205.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



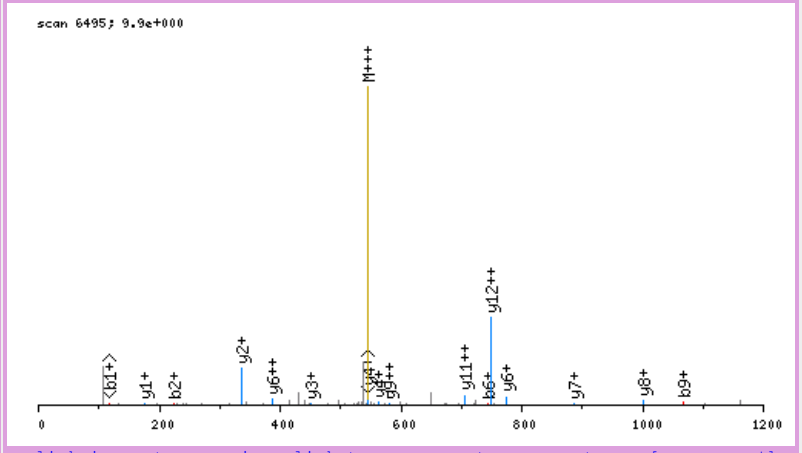
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
217.1188	2	S	15	1669.8510	**835.4294**
332.1458	3	D	14	1582.8189	**791.9134**
460.2043	4	Q	13	1467.7920	**734.3999**
575.2313	5	D	12	1339.7334	670.3706
646.2684	6	A	11	1224.7065	**612.8572**
802.3947	7	K	10	1153.6694	**577.3386**
901.4631	8	V	9	**997.5431**	499.2754
1000.5315	9	V	8	**898.4747**	449.7412
1071.5686	10	A	7	**799.4062**	400.2070
1200.6112	11	E	6	**728.3691**	364.6885
1297.6640	12	P	5	**599.3265**	**300.1672**
1425.7226	13	Q	4	502.2738	251.6408
1496.7597	14	A	3	374.2152	187.6115
1624.8183	15	Q	2	303.1781	152.0930
	16	R	1	**175.1195**	88.0637

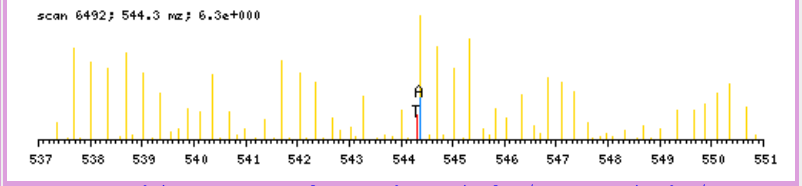
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TSFVKLLPLNDCR, MH+ 1630.9626, m/z 544.3257
H OS G33 P160811 220811-s1.06495.06495.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



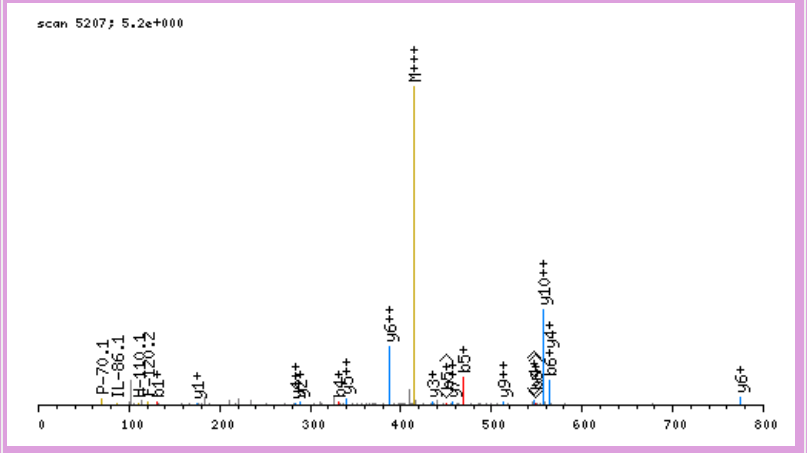
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
223.1506	2	S	12	1495.8519	**748.4299**
370.2190	3	F	11	1408.8199	**704.9138**
469.2874	4	V	10	1261.7514	631.3796
631.4455	5	K	9	1162.6830	**581.8454**
744.5296	6	L	8	**1000.5249**	500.7664
857.6137	7	L	7	**887.4409**	444.2243
954.6664	8	P	6	**774.3568**	**387.6823**
1067.7505	9	L	5	677.3040	339.1559
1181.7934	10	N	4	**564.2200**	282.6139
1296.8204	11	D	3	**450.1770**	225.5924
1456.8510	12	C	2	**335.1501**	168.0790
	13	R	1	**175.1195**	88.0637

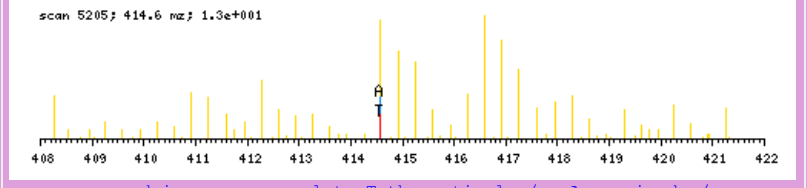
N-term:+35.07 K(5):+162.16
C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSGGHPLEFLR, MH+ 1241.6642, m/z 414.5596
L OS G34 P160811 220811-s1.05207.05207.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



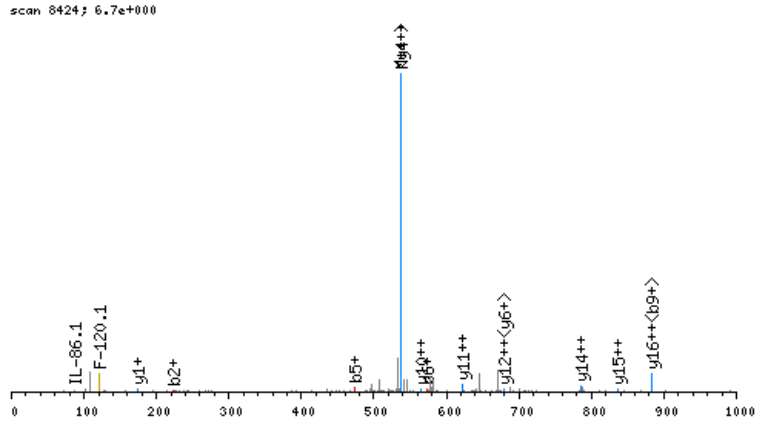
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**11**		
217.1188	**2**	**S**	**10**	1112.5853	**556.7965**
274.1403	**3**	**G**	**9**	1025.5532	**513.2805**
331.1617	**4**	**G**	**8**	968.5318	484.7698
468.2206	**5**	**H**	**7**	911.5103	**456.2591**
565.2734	**6**	**P**	**6**	**774.4514**	**387.7296**
678.3575	**7**	**L**	**5**	677.3986	**339.2032**
807.4001	**8**	**E**	**4**	**564.3146**	**282.6612**
954.4685	**9**	**F**	**3**	**435.2720**	218.1399
1067.5525	**10**	**L**	**2**	**288.2036**	144.6057
	11	**R**	**1**	**175.1195**	88.0637

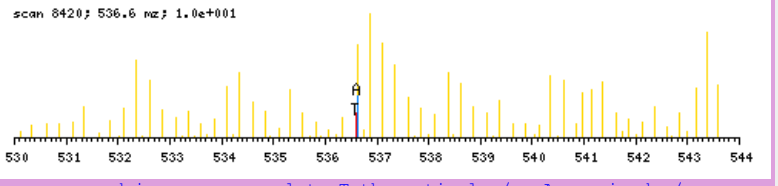
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSGPPVSELITKAVAASKER, MH+ 2143.3187, m/z 536.5851
H OS G34 P160811 220811-s1.08424.08424.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



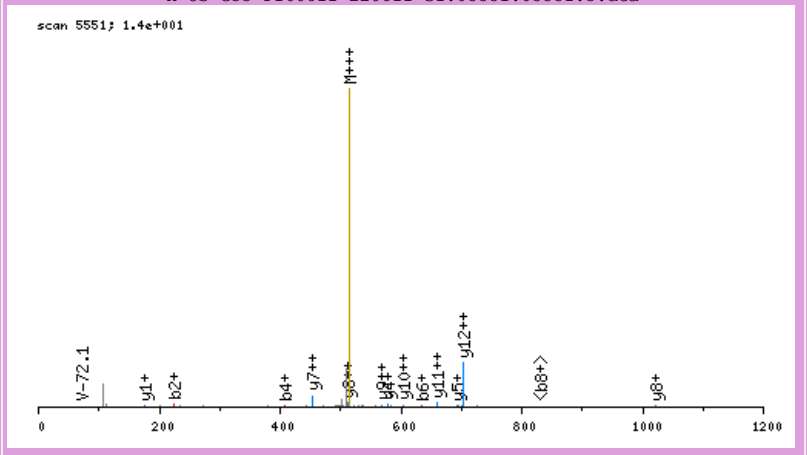
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	20		
223.1506	2	S	19	2008.2079	1004.6079
280.1721	3	G	18	1921.1759	961.0919
377.2248	4	P	17	1864.1544	932.5811
474.2776	5	P	16	1767.1017	**884.0548**
573.3460	6	V	15	1670.0489	**835.5284**
660.3780	7	S	14	1570.9805	**785.9942**
789.4206	8	E	13	1483.9485	742.4782
902.5047	9	L	12	1354.9059	**677.9569**
1015.5888	10	I	11	1241.8218	**621.4148**
1116.6364	11	T	10	1128.7378	**564.8728**
1278.7945	12	K	9	1027.6901	514.3490
1349.8317	13	A	8	865.5320	433.2699
1448.9001	14	V	7	794.4949	397.7513
1519.9372	15	A	6	695.4264	348.2171
1590.9743	16	A	5	624.3893	312.6986
1678.0063	17	S	4	553.3522	277.1800
1840.1644	18	K	3	466.3202	233.6640
1969.2070	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

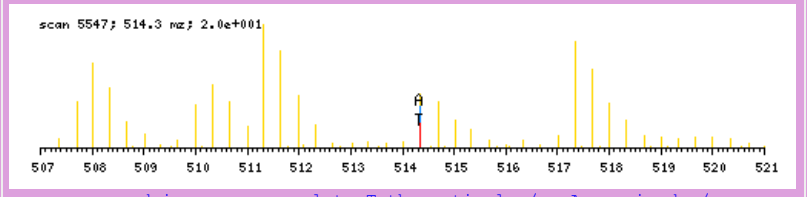
N-term:+35.07 K(12):+162.16
K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSIAIDTIINQKR, MH+ 1540.9699, m/z 514.3281
H OS G33 P160811 220811-s1.05551.05551.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



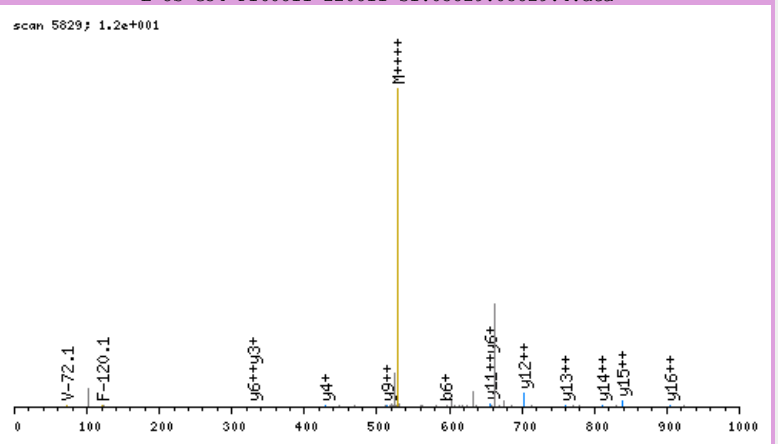
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
223.1506	2	S	12	1405.8591	**703.4335**
336.2347	3	I	11	1318.8271	**659.9175**
407.2718	4	A	10	1205.7430	**603.3754**
520.3558	5	I	9	1134.7059	**567.8569**
635.3828	6	D	8	**1021.6219**	**511.3148**
736.4305	7	T	7	906.5949	**453.8014**
849.5145	8	I	6	805.5472	403.2775
962.5986	9	I	5	**692.4632**	346.7355
1076.6415	10	N	4	**579.3791**	290.1935
1204.7001	11	Q	3	465.3362	233.1720
1366.8582	12	K	2	337.2776	169.1427
	13	R	1	**175.1195**	88.0637

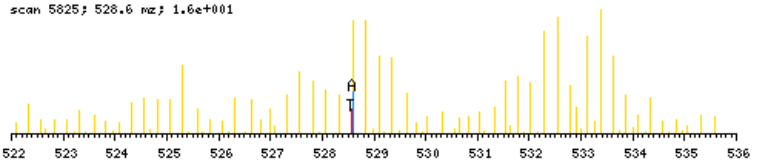
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSSMGTLPKQVKIVEVGPR, MH+ 2111.2263, m/z 528.5620
L OS G34 P160811 220811-s1.05829.05829.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



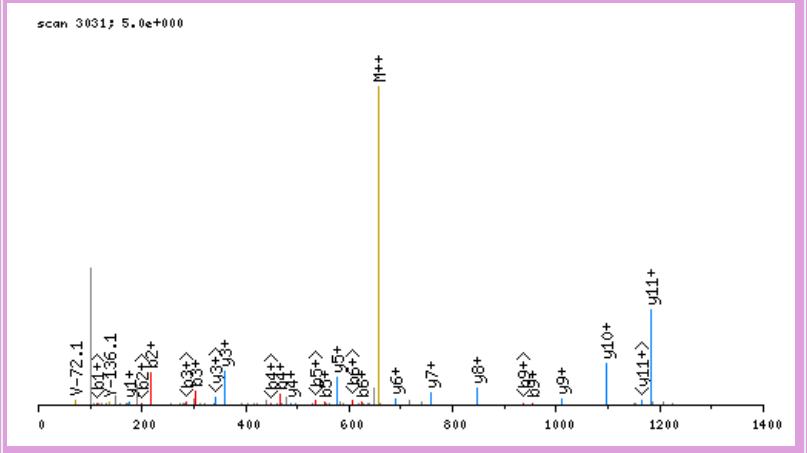
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
217.1188	2	S	18	1982.1473	991.5776
304.1508	3	S	17	1895.1153	948.0616
435.1913	4	M	16	1808.0833	**904.5455**
492.2128	5	G	15	1677.0428	**839.0253**
593.2605	6	T	14	1620.0213	**810.5146**
706.3445	7	L	13	1518.9736	**759.9907**
803.3973	8	P	12	1405.8896	**703.4487**
959.5236	9	K	11	1308.8368	**654.9223**
1087.5822	10	Q	10	1152.7105	576.8592
1186.6506	11	V	9	1024.6519	**512.8299**
1342.7769	12	K	8	925.5835	463.2957
1455.8609	13	I	7	769.4572	385.2325
1554.9294	14	V	6	**656.3731**	**328.6905**
1683.9720	15	E	5	557.3047	279.1563
1783.0404	16	V	4	**428.2621**	214.6350
1840.0618	17	G	3	**329.1937**	165.1008
1937.1146	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

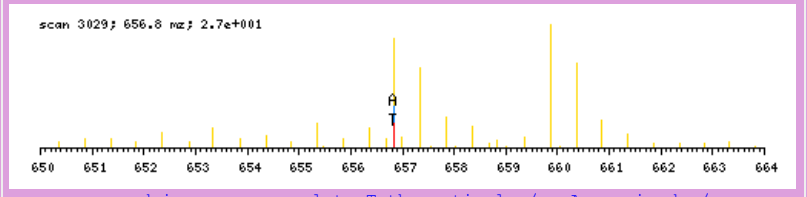
N-term:+29.04 K(9):+156.13
K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSSYSALSEPSR, MH+ 1312.6385, m/z 656.8229
L OS G31 P160811 220811-s1.03031.03031.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



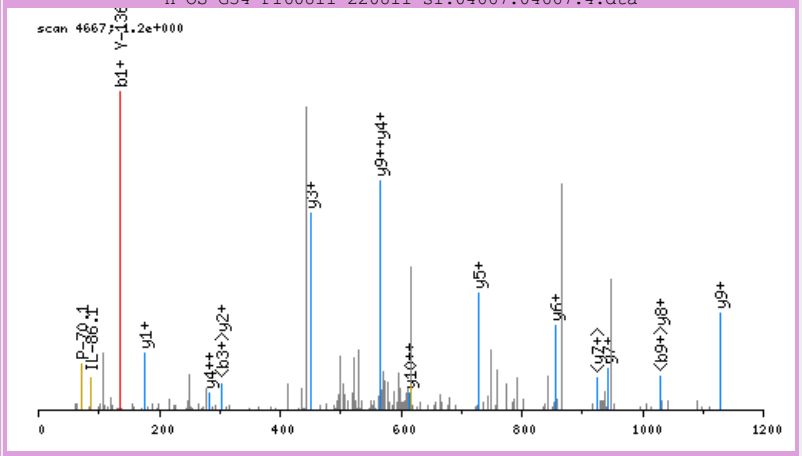
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
217.1188	2	S	11	1183.5595	592.2837
304.1508	3	S	10	1096.5275	548.7677
467.2142	4	Y	9	1009.4954	505.2516
554.2462	5	S	8	846.4321	423.7200
625.2833	6	A	7	759.4001	380.2040
738.3674	7	L	6	688.3630	344.6854
825.3994	8	S	5	575.2789	288.1434
954.4420	9	E	4	488.2469	244.6274
1051.4948	10	P	3	359.2043	180.1061
1138.5268	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

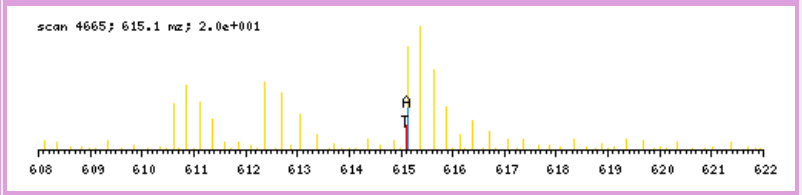
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TSVATKKTEQGPPSSEYIFER, MH+ 2457.3726, m/z 615.0986
H OS G34 P160811 220811-s1.04667.04667.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



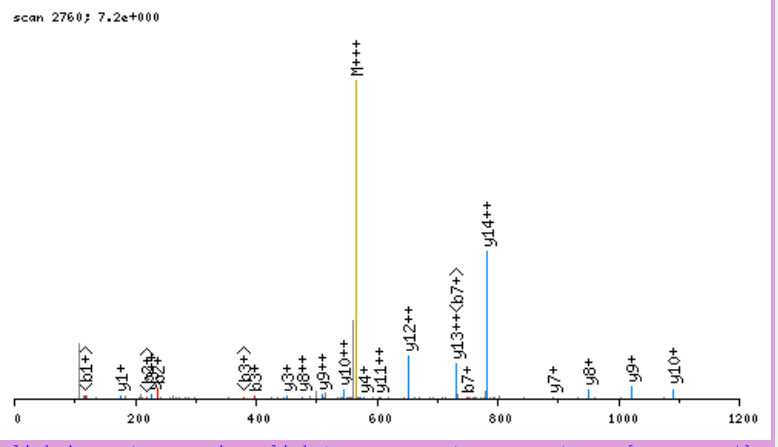
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	21		
223.1506	2	S	20	2322.2618	1161.6348
322.2190	3	V	19	2235.2298	1118.1188
393.2561	4	A	18	2136.1614	1068.5846
494.3038	5	T	17	2065.1243	1033.0660
656.4619	6	K	16	1964.0766	982.5422
818.6200	7	K	15	1801.9185	901.4632
919.6677	8	T	14	1639.7604	820.3841
1048.7103	9	E	13	1538.7127	769.8603
1176.7689	10	Q	12	1409.6701	705.3390
1233.7903	11	G	11	1281.6115	641.3097
1330.8431	12	P	10	1224.5901	612.7990
1427.8959	13	P	9	1127.5373	564.2726
1514.9279	14	S	8	1030.4846	515.7462
1601.9599	15	S	7	943.4525	472.2302
1731.0025	16	E	6	856.4205	428.7142
1894.0658	17	Y	5	727.3779	364.1929
2007.1499	18	I	4	564.3146	282.6612
2154.2183	19	F	3	451.2305	226.1192
2283.2609	20	E	2	304.1621	152.5850
	21	R	1	175.1195	88.0637

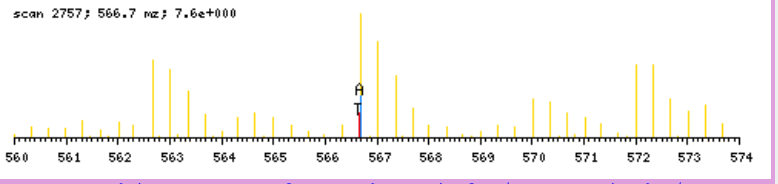
N-term:+35.07 K(6):+162.16
K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTCPLAAGGQQEKLR, MH+ 1697.9644, m/z 566.6597
H OS G33 P160811 220811-s1.02760.02760.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



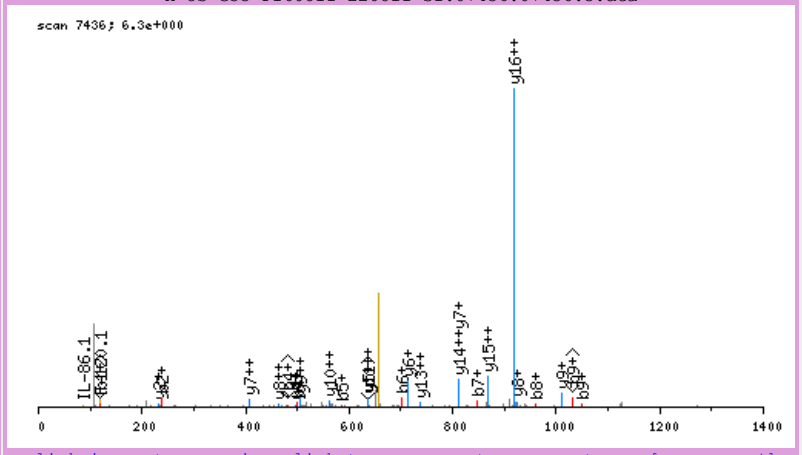
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
237.1663	2	T	14	1562.8537	**781.9307**
397.1969	3	C	13	1461.8060	**731.4069**
494.2496	4	P	12	1301.7754	**651.3916**
607.3337	5	L	11	1204.7226	**602.8652**
678.3708	6	A	10	**1091.6386**	**546.3232**
749.4079	7	A	9	**1020.6015**	**510.8046**
806.4294	8	G	8	**949.5643**	**475.2861**
863.4508	9	G	7	**892.5429**	446.7754
991.5094	10	Q	6	835.5214	418.2646
1119.5680	11	Q	5	707.4628	354.2353
1248.6106	12	E	4	**579.4043**	290.2060
1410.7687	13	K	3	**450.3617**	**225.6847**
1523.8528	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

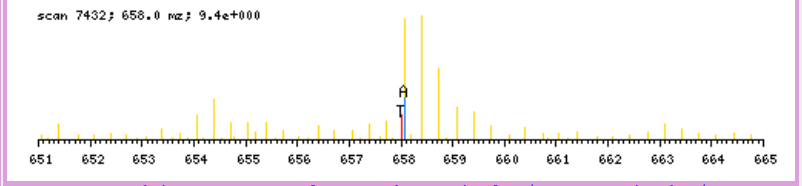
N-term:+35.07 C(3):+160.03
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTDFSDFLSIVGCTKGR, MH+ 1972.0486, m/z 658.0210
H OS G33 P160811 220811-s1.07436.07436.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



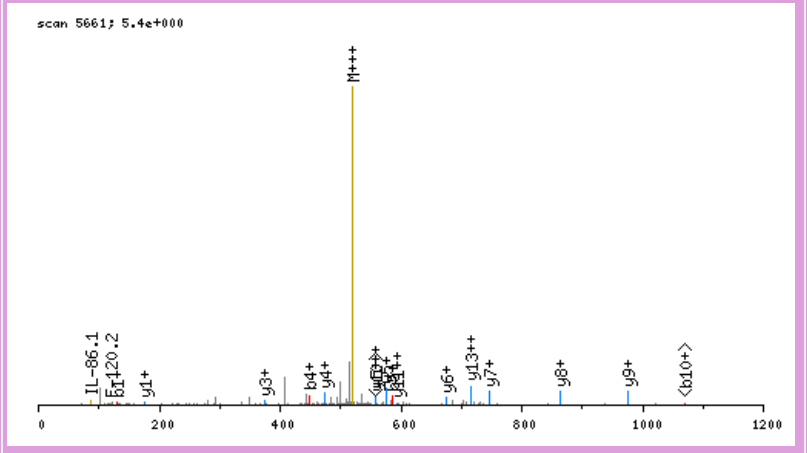
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	17		
237.1663	2	T	16	1836.9378	**918.9728**
352.1932	3	D	15	1735.8901	**868.4490**
499.2616	4	F	14	1620.8632	**810.9355**
586.2936	5	S	13	1473.7948	**737.4013**
701.3206	6	D	12	1386.7627	693.8853
848.3890	7	F	11	1271.7358	**636.3718**
961.4731	8	L	10	1124.6674	**562.8376**
1048.5051	9	S	9	**1011.5833**	**506.2956**
1161.5892	10	I	8	**924.5513**	**462.7796**
1260.6576	11	V	7	**811.4672**	**406.2375**
1317.6790	12	G	6	**712.3988**	356.7033
1477.7096	13	C	5	655.3773	328.1926
1578.7573	14	T	4	**495.3467**	248.1773
1740.9154	15	K	3	394.2991	197.6534
1797.9369	16	G	2	**232.1410**	116.5744
	17	R	1	175.1195	88.0637

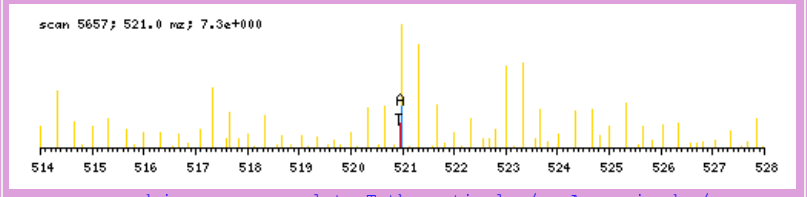
N-term:+35.07 C(13):+160.03
K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTFAHLDATTVLSR, MH+ 1560.8386, m/z 520.9510
L OS G33 P160811 220811-s1.05661.05661.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



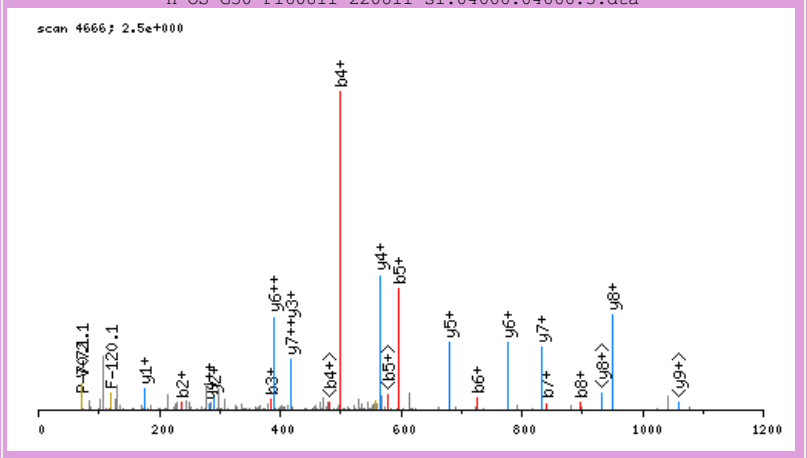
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
231.1345	2	T	13	1431.7596	716.3837
378.2029	3	F	12	1330.7119	665.8599
449.2400	4	A	11	1183.6435	592.3257
586.2989	5	H	10	1112.6064	556.8071
699.3830	6	L	9	975.5475	488.2777
814.4099	7	D	8	862.4634	431.7356
885.4470	8	A	7	747.4365	374.2222
986.4947	9	T	6	676.3994	338.7036
1087.5424	10	T	5	575.3517	288.1798
1186.6108	11	V	4	474.3040	237.6559
1299.6949	12	L	3	375.2356	188.1217
1386.7269	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

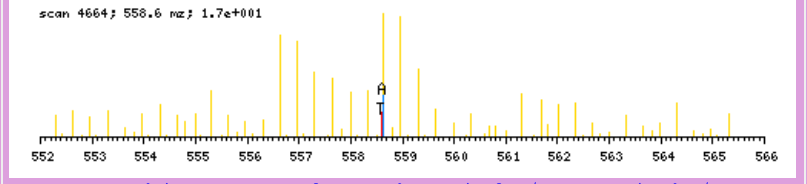
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTFNVQDGPDFQDR, MH+ 1673.7983, m/z 558.6043
H OS G30 P160811 220811-s1.04666.04666.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



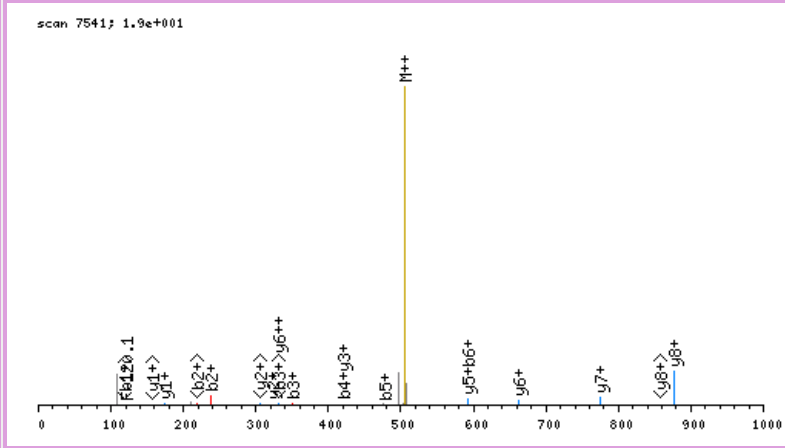
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
237.1663	2	T	13	1538.6876	769.8477
384.2347	3	F	12	1437.6399	719.3239
498.2776	4	N	11	1290.5715	645.7896
597.3460	5	V	10	1176.5285	588.7682
725.4046	6	Q	9	1077.4601	539.2340
840.4315	7	D	8	**949.4015**	475.2047
897.4530	8	G	7	**834.3746**	**417.6912**
994.5058	9	P	6	**777.3531**	**389.1805**
1109.5327	10	D	5	**680.3004**	340.6541
1256.6011	11	F	4	**565.2734**	**283.1406**
1384.6597	12	Q	3	**418.2050**	209.6064
1499.6866	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

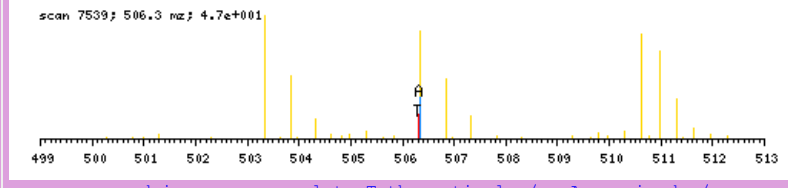
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTIAGLVFR, MH+ 1011.6415, m/z 506.3244
H OS G31 P160811 220811-s1.07541.07541.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



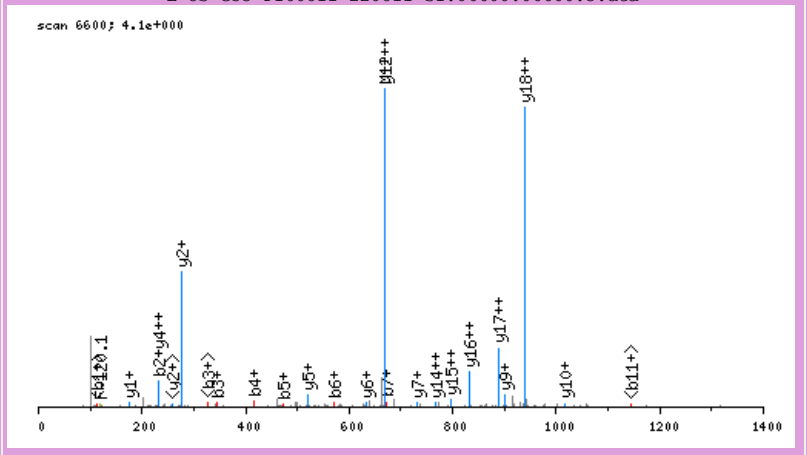
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	9		
237.1663	2	T	8	876.5307	438.7693
350.2503	3	I	7	775.4830	388.2454
421.2874	4	A	6	662.3990	331.7034
478.3089	5	G	5	591.3619	296.1848
591.3930	6	L	4	534.3404	267.6741
690.4614	7	V	3	421.2563	211.1321
837.5298	8	F	2	322.1879	161.5979
	9	R	1	175.1195	88.0637

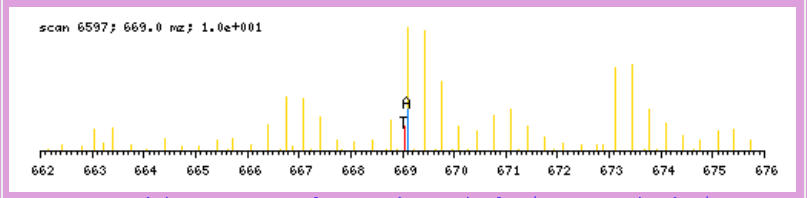
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTIAGVVYKDGIVLGADTR, MH+ 2005.1334, m/z 669.0493
L OS G33 P160811 220811-s1.06600.06600.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



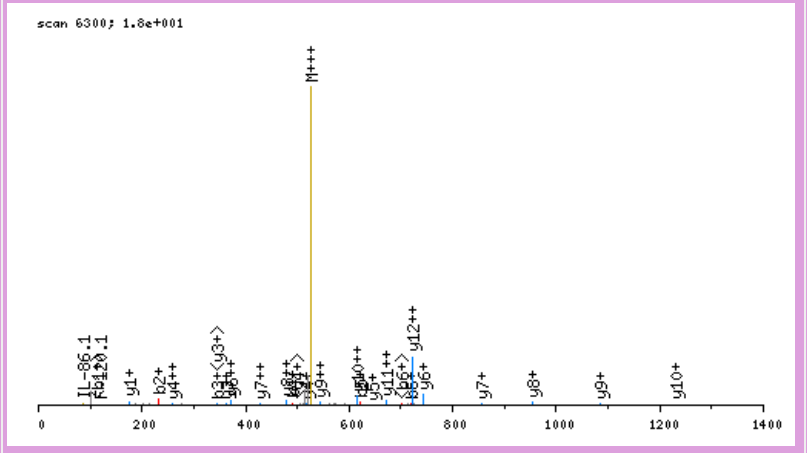
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
231.1345	2	T	18	1876.0544	**938.5311**
344.2185	3	I	17	1775.0067	**888.0073**
415.2556	4	A	16	1661.9227	**831.4653**
472.2771	5	G	15	1590.8856	**795.9467**
571.3455	6	V	14	1533.8641	**767.4360**
670.4139	7	V	13	1434.7957	717.9018
833.4773	8	Y	12	1335.7273	**668.3676**
989.6036	9	K	11	1172.6639	586.8359
1104.6305	10	D	10	**1016.5376**	508.7727
1161.6520	11	G	9	**901.5107**	451.2593
1274.7360	12	I	8	844.4892	422.7485
1373.8044	13	V	7	**731.4052**	366.2065
1486.8885	14	L	6	**632.3368**	316.6723
1543.9100	15	G	5	**519.2527**	260.1303
1614.9471	16	A	4	462.2312	**231.6195**
1729.9740	17	D	3	391.1941	196.1010
1831.0217	18	T	2	**276.1672**	138.5875
	19	R	1	**175.1195**	88.0637

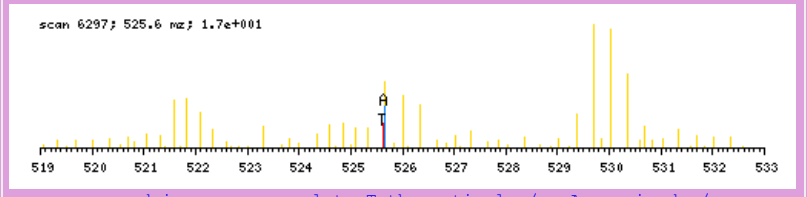
N-term:+29.04 K(9):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTIFEVLPEKADR, MH+ 1574.8794, m/z 525.6313
L OS G33 P160811 220811-s1.06300.06300.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



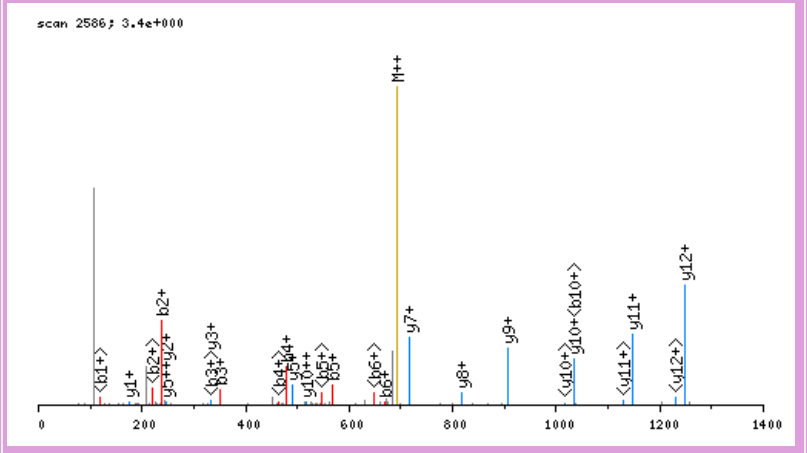
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
231.1345	2	T	12	1445.8004	723.4041
344.2185	3	I	11	1344.7528	672.8803
491.2869	4	F	10	1231.6687	616.3383
620.3295	5	E	9	1084.6003	542.8041
719.3979	6	V	8	955.5577	478.2828
832.4820	7	L	7	856.4893	428.7486
929.5348	8	P	6	743.4052	372.2065
1058.5774	9	E	5	646.3525	323.6801
1214.7037	10	K	4	517.3099	259.1588
1285.7408	11	A	3	361.1836	181.0957
1400.7677	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

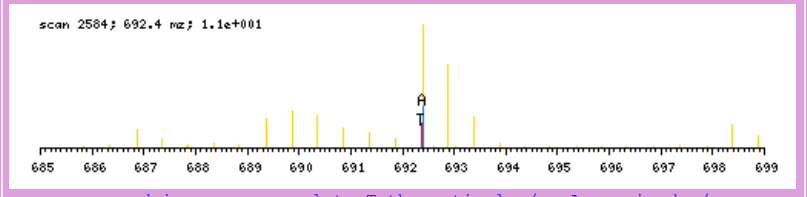
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTLESTPESASAR, MH+ 1383.7179, m/z 692.3626
H OS G31 P160811 220811-s1.02586.02586.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



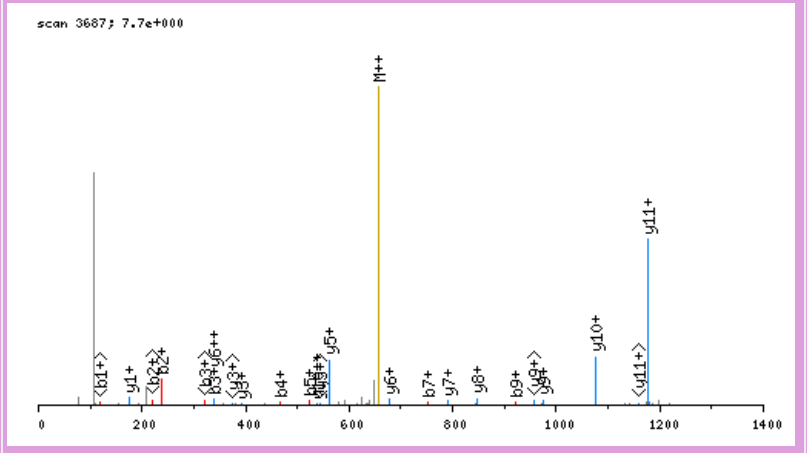
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	13		
237.1663	2	T	12	**1248.6072**	624.8075
350.2503	3	L	11	**1147.5595**	574.2837
479.2929	4	E	10	**1034.4754**	**517.7416**
566.3249	5	S	9	**905.4328**	453.2203
667.3726	6	T	8	**818.4008**	409.7043
764.4254	7	P	7	**717.3531**	359.1805
893.4680	8	E	6	620.3004	310.6541
980.5000	9	S	5	**491.2578**	**246.1328**
1051.5371	10	A	4	404.2258	202.6168
1138.5691	11	S	3	**333.1886**	167.0982
1209.6063	12	A	2	**246.1566**	123.5822
	13	R	1	**175.1195**	88.0637

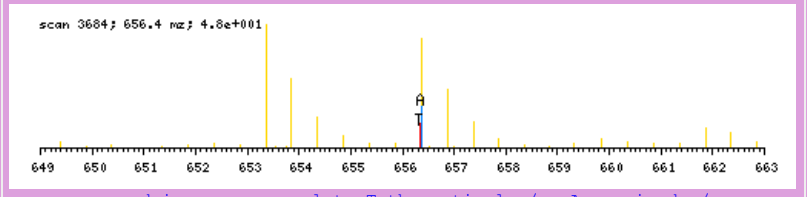
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTTQGLDGLSER, MH+ 1311.6968, m/z 656.3520
H OS G31 P160811 220811-s1.03687.03687.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



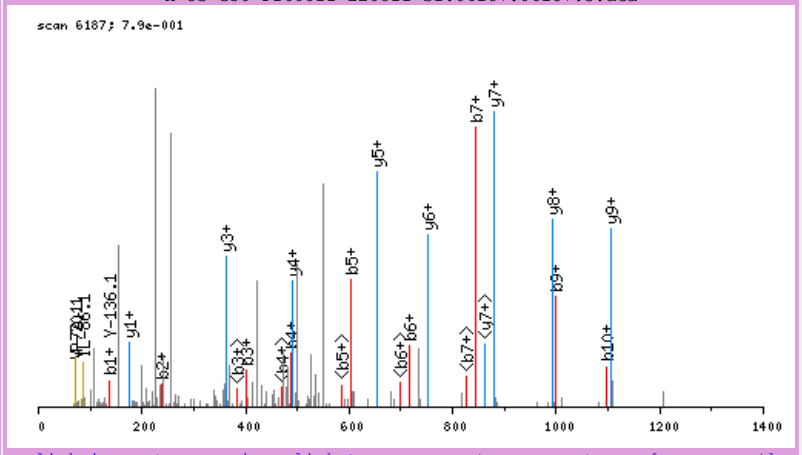
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
237.1663	2	T	11	1176.5861	588.7969
338.2139	3	T	10	1075.5384	538.2731
466.2725	4	Q	9	974.4907	487.7493
523.2940	5	G	8	846.4321	423.7200
636.3780	6	L	7	789.4107	395.2092
751.4050	7	D	6	676.3266	338.6672
808.4264	8	G	5	561.2997	281.1537
921.5105	9	L	4	504.2782	252.6430
1008.5425	10	S	3	391.1941	196.1010
1137.5851	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

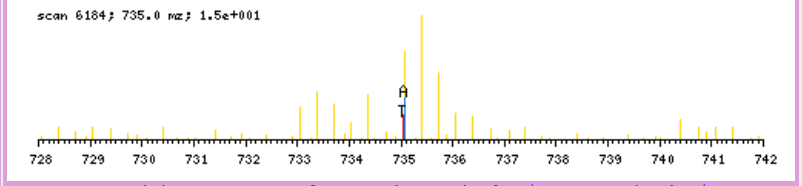
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TTYSDNQPGVLIQVYEGER, MH+ 2203.1095, m/z 735.0413
H OS G30 P160811 220811-s1.06187.06187.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



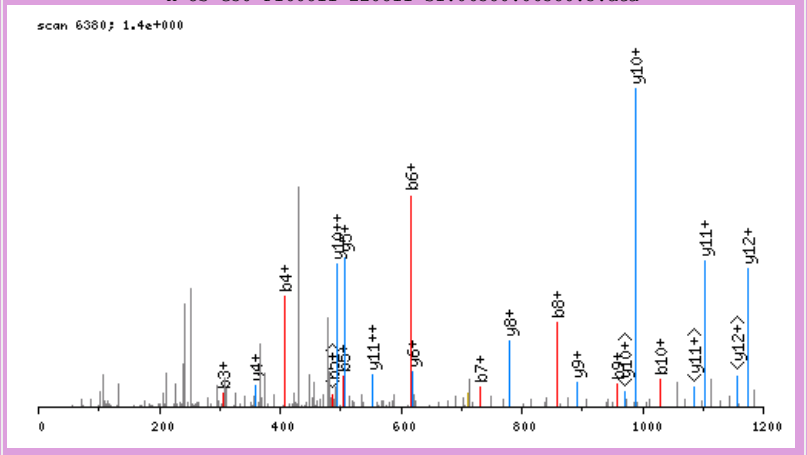
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	19		
237.1663	2	T	18	2067.9987	1034.5033
400.2296	3	Y	17	1966.9510	983.9794
487.2616	4	S	16	1803.8877	902.4478
602.2886	5	D	15	1716.8557	858.9318
716.3315	6	N	14	1601.8287	801.4183
844.3901	7	Q	13	1487.7858	744.3968
941.4428	8	P	12	1359.7272	680.3675
998.4643	9	G	11	1262.6745	631.8412
1097.5327	10	V	10	1205.6530	603.3304
1210.6168	11	L	9	**1106.5846**	553.7962
1323.7008	12	I	8	**993.5005**	497.2542
1451.7594	13	Q	7	**880.4165**	440.7121
1550.8278	14	V	6	**752.3579**	376.6829
1713.8912	15	Y	5	**653.2895**	327.1487
1842.9337	16	E	4	**490.2262**	245.6170
1899.9552	17	G	3	**361.1836**	181.0957
2028.9978	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

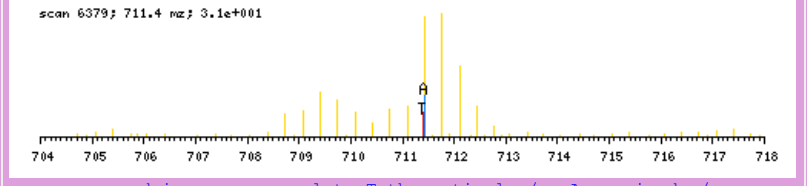
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVATPLNQVANPNSAIFGGAR, MH+ 2132.1676, m/z 711.3941
H OS G30 P160811 220811-s1.06380.06380.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



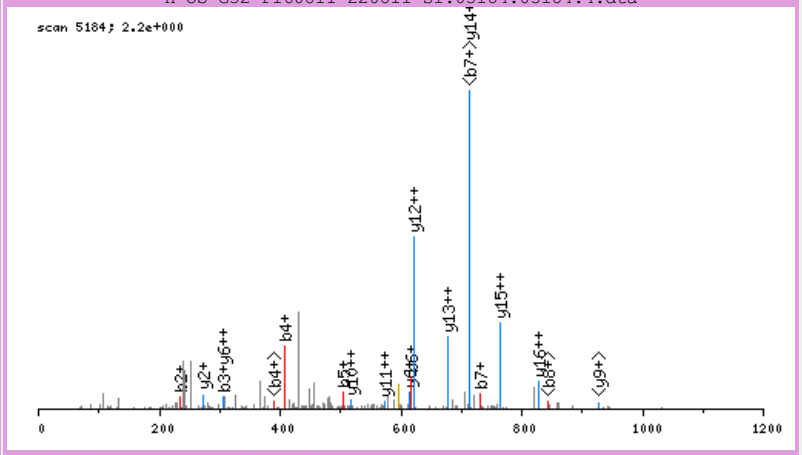
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	21		
235.1870	2	V	20	1997.0568	999.0323
306.2241	3	A	19	1897.9884	949.4981
407.2718	4	T	18	1826.9513	913.9796
504.3245	5	P	17	1725.9036	863.4557
617.4086	6	L	16	1628.8509	814.9294
731.4515	7	N	15	1515.7668	758.3873
859.5101	8	Q	14	1401.7239	701.3659
958.5785	9	V	13	1273.6653	637.3366
1029.6156	10	A	12	**1174.5969**	587.8024
1143.6586	11	N	11	**1103.5598**	**552.2838**
1240.7113	12	P	10	**989.5169**	**495.2623**
1354.7543	13	N	9	**892.4641**	446.7360
1441.7863	14	S	8	**778.4212**	389.7145
1512.8234	15	A	7	691.3891	346.1985
1625.9075	16	I	6	**620.3520**	310.6799
1772.9759	17	F	5	**507.2680**	254.1379
1829.9973	18	G	4	**360.1995**	180.6037
1887.0188	19	G	3	303.1781	152.0930
1958.0559	20	A	2	246.1566	123.5822
	21	R	1	175.1195	88.0637

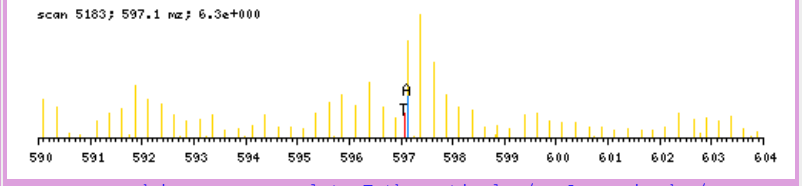
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVATPLNQVANPNSAIFGGARPR, MH+ 2385.3215, m/z 597.0858
H OS G32 P160811 220811-s1.05184.05184.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



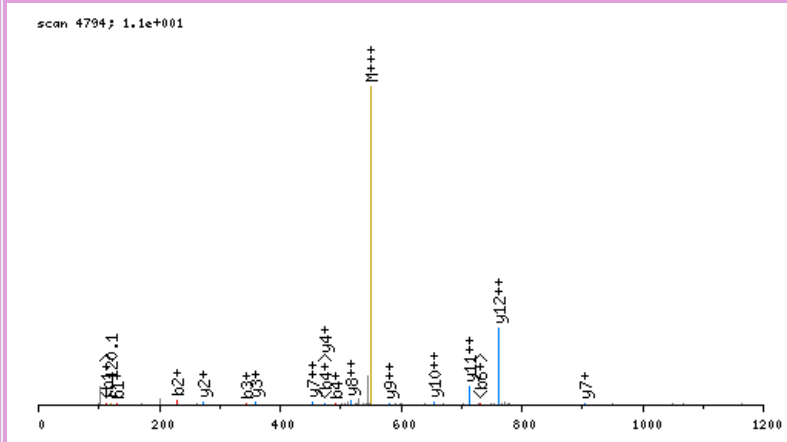
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	23		
235.1870	2	V	22	2250.2107	1125.6093
306.2241	3	A	21	2151.1423	1076.0751
407.2718	4	T	20	2080.1052	1040.5565
504.3245	5	P	19	1979.0575	990.0327
617.4086	6	L	18	1882.0048	941.5063
731.4515	7	N	17	1768.9207	884.9643
859.5101	8	Q	16	1654.8778	**827.9428**
958.5785	9	V	15	1526.8192	**763.9135**
1029.6156	10	A	14	1427.7508	**714.3793**
1143.6586	11	N	13	1356.7137	**678.8607**
1240.7113	12	P	12	1242.6707	**621.8393**
1354.7543	13	N	11	1145.6180	**573.3129**
1441.7863	14	S	10	1031.5750	**516.2914**
1512.8234	15	A	9	944.5430	472.7754
1625.9075	16	I	8	873.5059	437.2569
1772.9759	17	F	7	760.4218	380.7148
1829.9973	18	G	6	**613.3534**	**307.1806**
1887.0188	19	G	5	556.3320	278.6699
1958.0559	20	A	4	499.3105	250.1592
2114.1570	21	R	3	428.2734	214.6406
2211.2098	22	P	2	**272.1723**	136.5900
	23	R	1	175.1195	88.0637

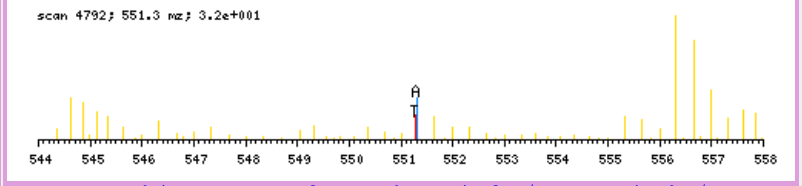
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TVDFEECLKDSPR, MH+ 1651.8001, m/z 551.2716
L OS G33 P160811 220811-s1.04794.04794.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



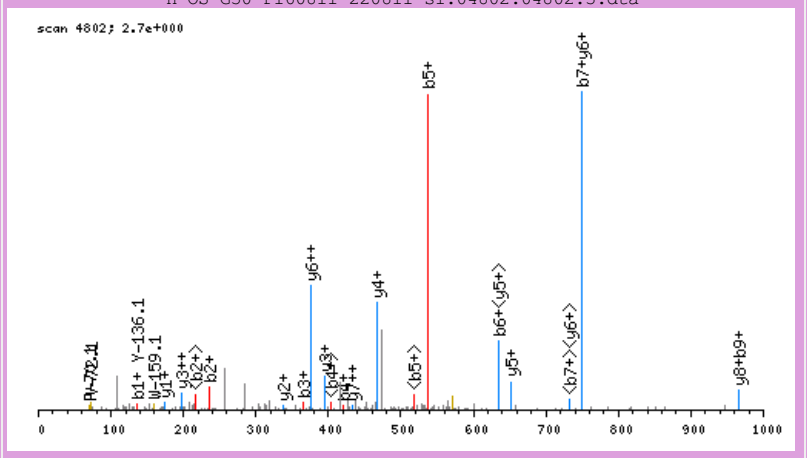
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**13**		
229.1552	**2**	**V**	**12**	1522.7212	**761.8645**
344.1821	**3**	**D**	**11**	1423.6527	**712.3303**
491.2505	**4**	**F**	**10**	1308.6258	**654.8168**
620.2931	**5**	**E**	**9**	1161.5574	**581.2826**
749.3357	**6**	**E**	**8**	1032.5148	**516.7613**
909.3663	**7**	**C**	**7**	**903.4722**	**452.2400**
1022.4504	**8**	**L**	**6**	743.4416	372.2247
1178.5767	**9**	**K**	**5**	630.3575	315.6827
1293.6036	**10**	**D**	**4**	**474.2312**	237.6195
1380.6357	**11**	**S**	**3**	**359.2043**	180.1061
1477.6884	**12**	**P**	**2**	**272.1723**	136.5900
	13	**R**	**1**	175.1195	88.0637

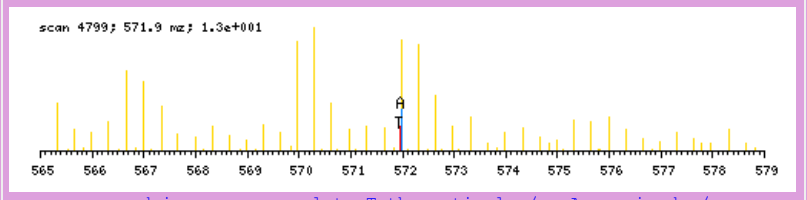
N-term:+29.04 C(7):+160.03
K(9):+156.13

TVEGDVNTDPWAGYR, MH+ 1713.8296, m/z 571.9481
H OS G30 P160811 220811-s1.04802.04802.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



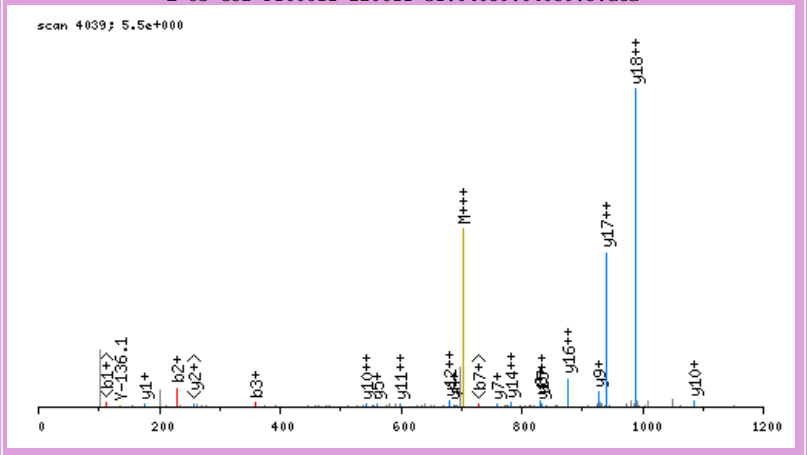
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
235.1870	2	V	14	1578.7189	789.8633
364.2296	3	E	13	1479.6504	740.3291
421.2510	4	G	12	1350.6079	675.8078
536.2780	5	D	11	1293.5864	647.2971
635.3464	6	V	10	1178.5594	589.7836
749.3893	7	N	9	1079.4910	540.2494
850.4370	8	T	8	965.4481	483.2280
965.4640	9	D	7	864.4004	432.7041
1062.5167	10	P	6	749.3735	375.1907
1248.5960	11	W	5	652.3207	326.6643
1319.6331	12	A	4	466.2414	233.6246
1376.6546	13	G	3	395.2043	198.1061
1539.7179	14	Y	2	338.1828	169.5953
	15	R	1	175.1195	88.0637

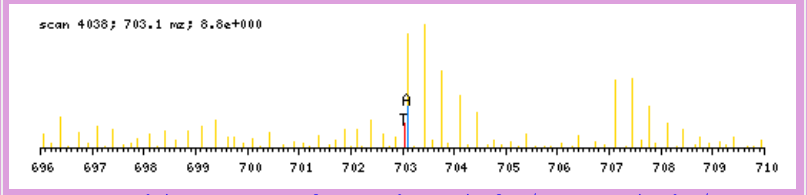
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TVESTSLYNKVAAQGEVVR, MH+ 2107.1399, m/z 703.0515
L OS G32 P160811 220811-s1.04039.04039.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



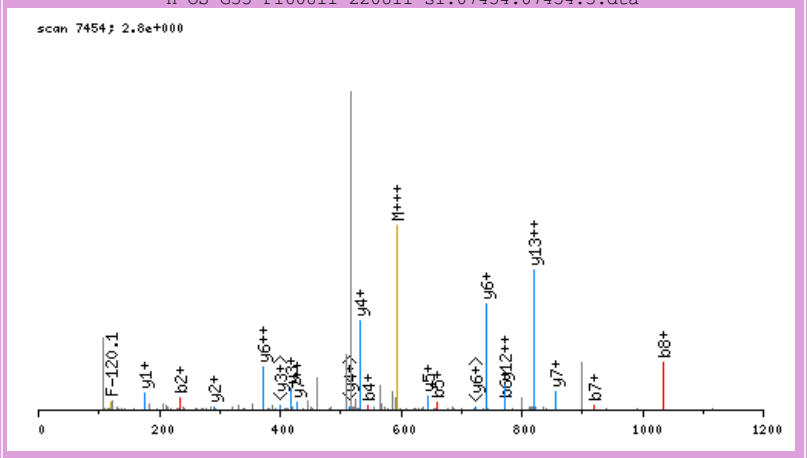
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
229.1552	2	V	18	1978.0610	989.5344
358.1978	3	E	17	1878.9926	940.0002
445.2298	4	S	16	1749.9500	875.4789
546.2775	5	T	15	1662.9179	831.9629
633.3095	6	S	14	1561.8703	781.4390
746.3936	7	L	13	1474.8382	737.9230
909.4569	8	Y	12	1361.7542	681.3810
1023.4998	9	N	11	1198.6908	599.8493
1179.6261	10	K	10	1084.6479	542.8279
1278.6946	11	V	9	928.5216	464.7647
1349.7317	12	A	8	829.4532	415.2305
1420.7688	13	A	7	758.4161	379.7120
1548.8274	14	Q	6	687.3790	344.1934
1605.8488	15	G	5	559.3204	280.1641
1734.8914	16	E	4	502.2989	251.6534
1833.9598	17	V	3	373.2563	187.1321
1933.0282	18	V	2	274.1879	137.5979
	19	R	1	175.1195	88.0637

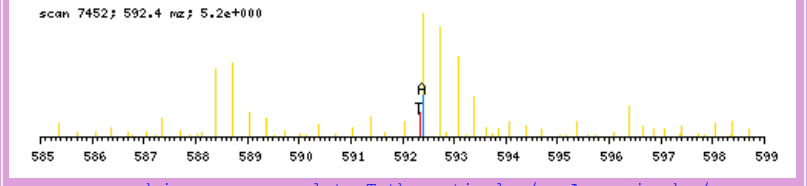
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVFKDLFDPIIQDR, MH+ 1775.0380, m/z 592.3508
H_OS_G33_P160811_220811-s1.07454.07454.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



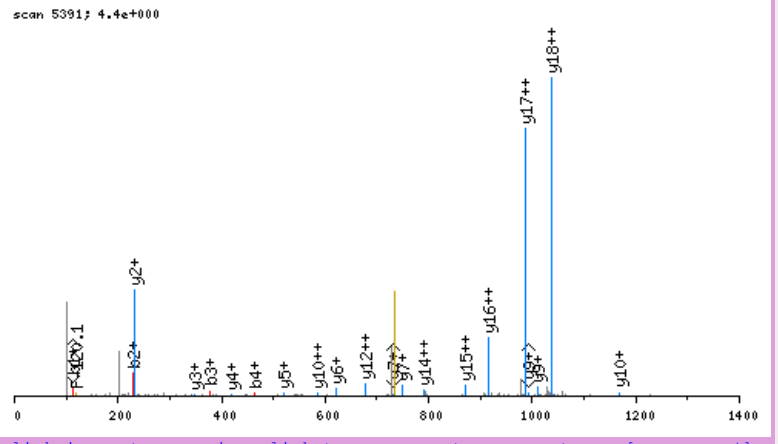
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
235.1870	2	V	13	1639.9272	**820.4675**
382.2554	3	F	12	1540.8588	**770.9333**
544.4135	4	K	11	1393.7904	697.3991
659.4404	5	D	10	1231.6323	616.3201
772.5245	6	L	9	1116.6053	558.8066
919.5929	7	F	8	1003.5213	502.2645
1034.6199	8	D	7	**856.4529**	**428.7303**
1131.6726	9	P	6	**741.4259**	**371.2169**
1244.7567	10	I	5	**644.3731**	322.6905
1357.8408	11	I	4	**531.2891**	266.1485
1485.8993	12	Q	3	**418.2050**	209.6064
1600.9263	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

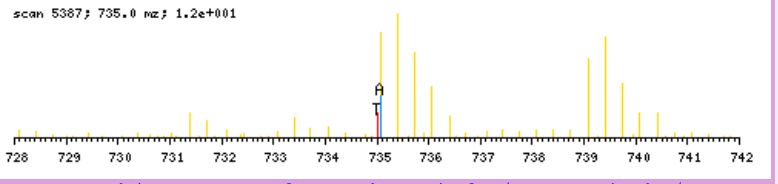
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVFSCNLGEKFDETTADGR, MH+ 2203.0341, m/z 735.0162
L OS G33 P160811 220811-s1.05391.05391.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



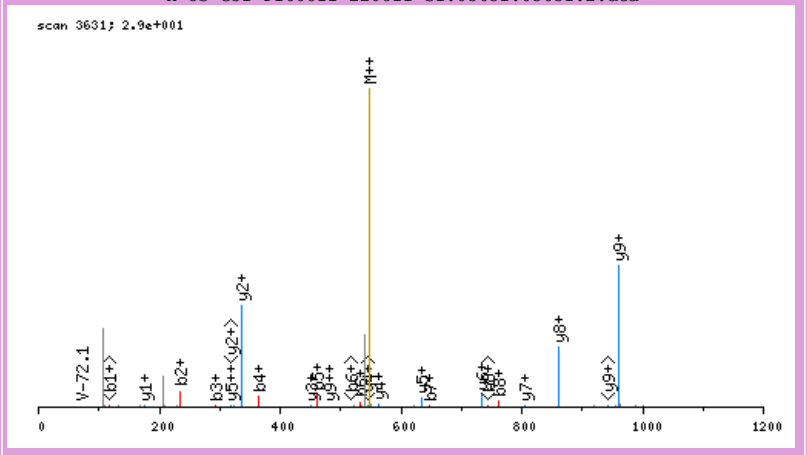
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
229.1552	2	V	18	2073.9551	**1037.4815**
376.2236	3	F	17	1974.8867	**987.9473**
463.2556	4	S	16	1827.8183	**914.4131**
623.2862	5	C	15	1740.7863	**870.8971**
737.3292	6	N	14	1580.7557	**790.8818**
850.4132	7	L	13	1466.7127	733.8603
907.4347	8	G	12	1353.6287	**677.3183**
1036.4773	9	E	11	1296.6072	648.8075
1192.6036	10	K	10	**1167.5646**	**584.2862**
1339.6720	11	F	9	**1011.4383**	506.2231
1454.6989	12	D	8	864.3699	432.6889
1583.7415	13	E	7	**749.3430**	375.1754
1684.7892	14	T	6	**620.3004**	310.6541
1785.8369	15	T	5	**519.2527**	260.1303
1856.8740	16	A	4	**418.2050**	209.6064
1971.9009	17	D	3	**347.1679**	174.0879
2028.9224	18	G	2	**232.1410**	116.5744
	19	R	1	175.1195	88.0637

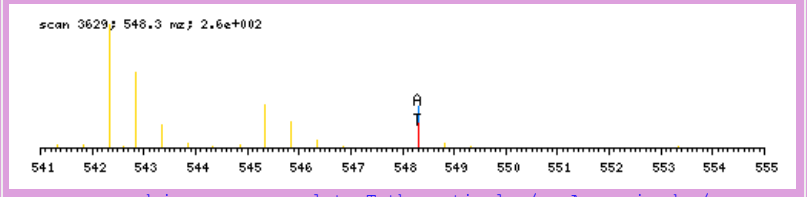
N-term:+29.04 C(5):+160.03
K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVGAVALDCR, MH+ 1095.6044, m/z 548.3058
H_OS_G31_P160811_220811-s1.03631.03631.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



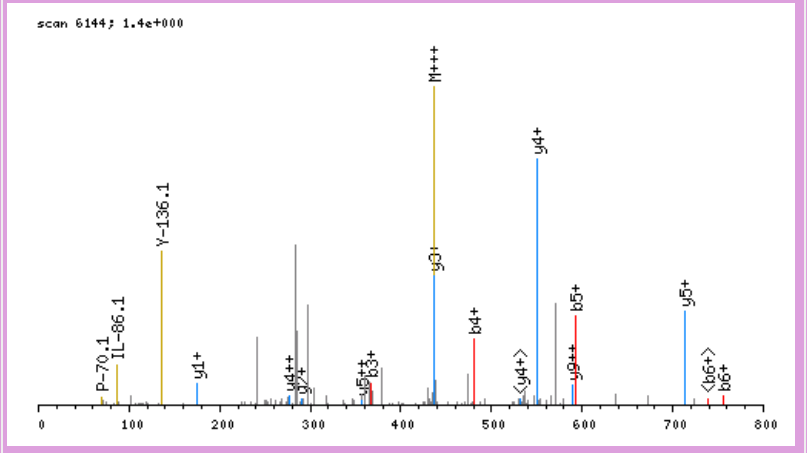
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	10		
235.1870	2	V	9	960.4936	480.7507
292.2085	3	G	8	861.4252	431.2165
363.2456	4	A	7	804.4037	402.7058
462.3140	5	V	6	733.3666	367.1872
533.3511	6	A	5	634.2982	317.6530
646.4352	7	L	4	563.2611	282.1345
761.4621	8	D	3	450.1770	225.5924
921.4927	9	C	2	335.1501	168.0790
	10	R	1	175.1195	88.0637

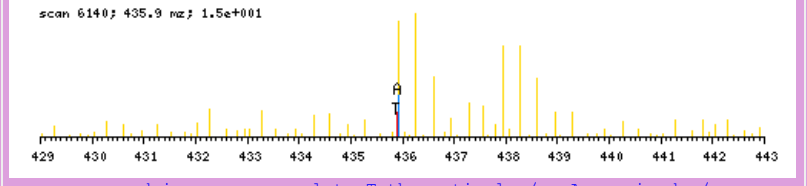
N-term:+35.07 C(9):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVHNLYLFDR, MH+ 1305.6955, m/z 435.9034
L OS G34 P160811 220811-s1.06144.06144.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



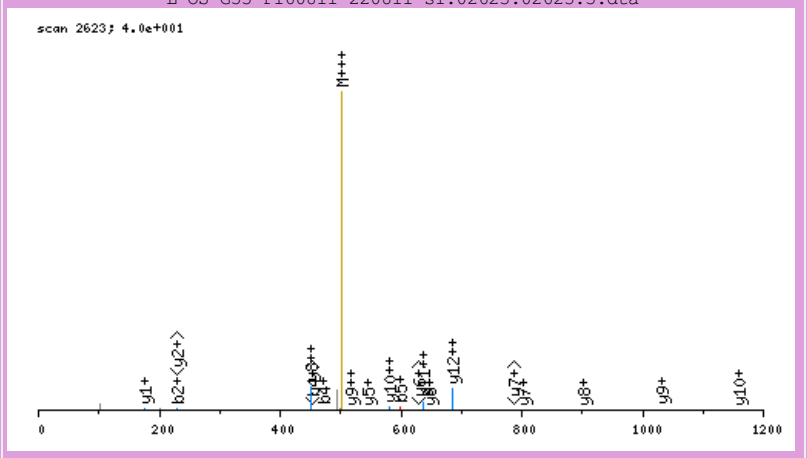
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
229.1552	2	V	9	1176.6166	**588.8122**
366.2141	3	H	8	1077.5482	539.2780
480.2570	4	N	7	940.4892	470.7485
593.3411	5	L	6	826.4463	413.7271
756.4044	6	Y	5	**713.3623**	**357.1850**
869.4885	7	L	4	**550.2989**	**275.6534**
1016.5569	8	F	3	**437.2149**	219.1113
1131.5838	9	D	2	**290.1464**	145.5771
	10	R	1	**175.1195**	88.0637

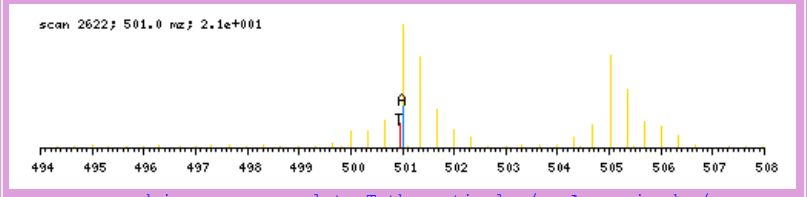
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVIQEVKTSNVAR, MH+ 1500.8750, m/z 500.9632
L OS G33 P160811 220811-s1.02623.02623.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



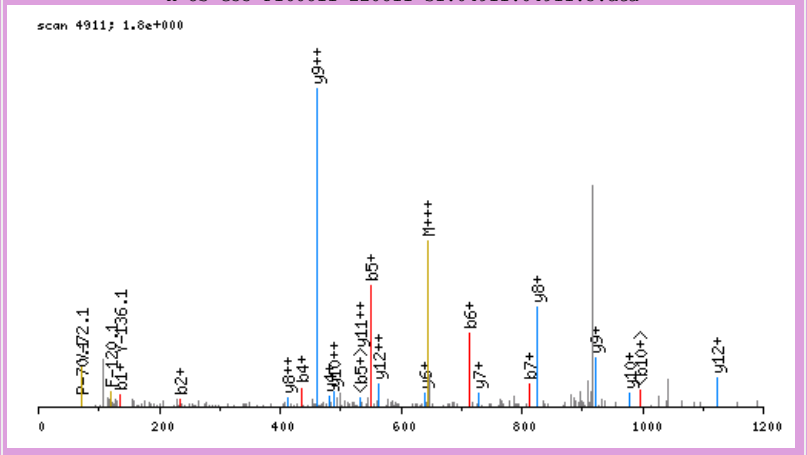
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
229.1552	2	V	12	1371.7960	**686.4019**
342.2393	3	I	11	1272.7276	**636.8677**
470.2978	4	Q	10	**1159.6435**	**580.3257**
599.3404	5	E	9	**1031.5850**	**516.2964**
698.4088	6	V	8	**902.5424**	**451.7751**
854.5351	7	K	7	**803.4740**	402.2409
955.5828	8	T	6	**647.3477**	324.1777
1042.6148	9	S	5	**546.3000**	273.6539
1156.6578	10	N	4	459.2680	230.1379
1255.7262	11	V	3	345.2250	173.1164
1326.7633	12	A	2	246.1566	123.5822
	13	R	1	**175.1195**	88.0637

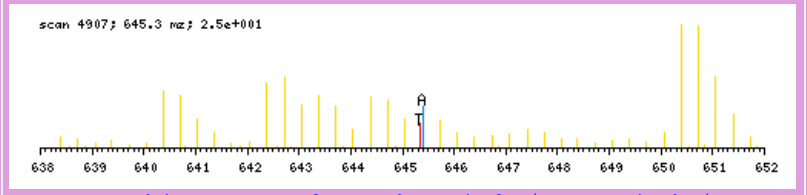
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVLSDYVGSGPPSGTGLHR, MH+ 1934.0195, m/z 645.3447
H OS G33 P160811 220811-s1.04911.04911.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



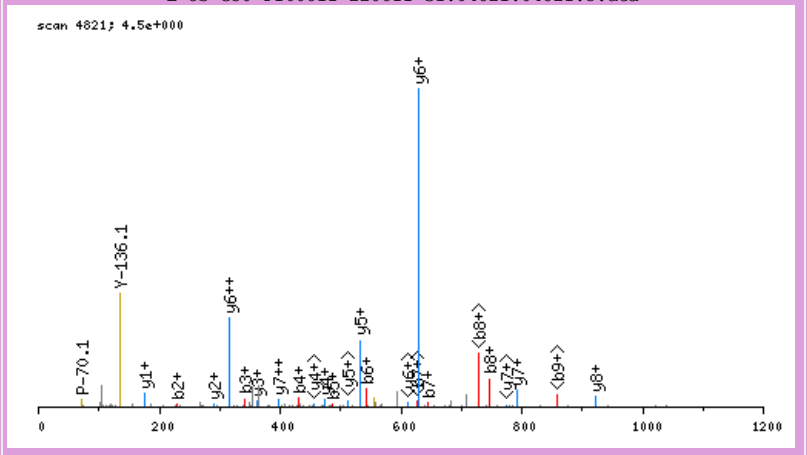
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**19**		
235.1870	**2**	**V**	**18**	1798.9088	899.9583
348.2711	**3**	**L**	**17**	1699.8404	850.4241
435.3031	**4**	**S**	**16**	1586.7563	793.8821
550.3300	**5**	**D**	**15**	1499.7243	750.3661
713.3934	**6**	**Y**	**14**	1384.6973	692.8526
812.4618	**7**	**V**	**13**	1221.6340	611.3209
869.4832	**8**	**G**	**12**	**1122.5656**	**561.7867**
956.5153	**9**	**S**	**11**	1065.5441	**533.2760**
1013.5367	**10**	**G**	**10**	**978.5121**	**489.7600**
1110.5895	**11**	**P**	**9**	**921.4906**	**461.2492**
1207.6423	**12**	**P**	**8**	**824.4379**	**412.7228**
1294.6743	**13**	**S**	**7**	**727.3851**	364.1965
1351.6957	**14**	**G**	**6**	**640.3531**	320.6805
1452.7434	**15**	**T**	**5**	583.3316	292.1697
1509.7649	**16**	**G**	**4**	**482.2839**	241.6459
1622.8490	**17**	**L**	**3**	425.2625	213.1352
1759.9079	**18**	**H**	**2**	312.1784	156.5931
	19	**R**	**1**	175.1195	88.0637

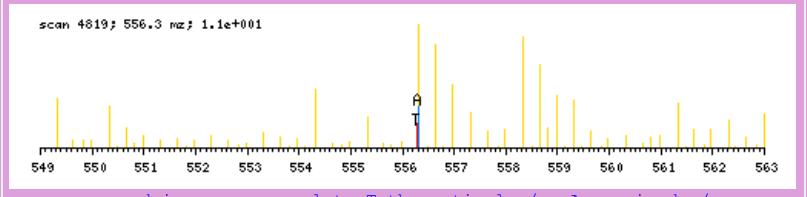
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVLSGGTTMYPGIADR, MH+ 1666.8474, m/z 556.2873
L OS G30 P160811 220811-s1.04821.04821.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



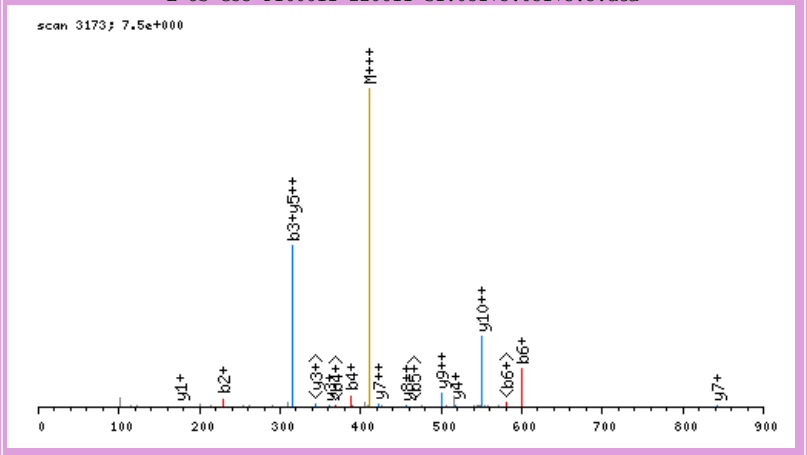
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
229.1552	2	V	15	1537.7685	769.3881
342.2393	3	L	14	1438.7000	719.8539
429.2713	4	S	13	1325.6160	663.3119
486.2927	5	G	12	1238.5839	619.7959
543.3142	6	G	11	1181.5625	591.2852
644.3619	7	T	10	1124.5410	562.7744
745.4096	8	T	9	1023.4933	512.2506
876.4501	9	M	8	**922.4457**	461.7267
1039.5134	10	Y	7	**791.4052**	**396.2065**
1136.5661	11	P	6	**628.3418**	**314.6748**
1193.5876	12	G	5	**531.2891**	266.1485
1306.6717	13	I	4	**474.2676**	237.6377
1377.7088	14	A	3	**361.1836**	181.0957
1492.7357	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

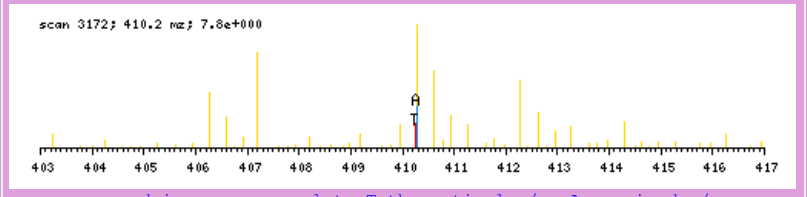
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVSAPDLKSVR, MH+ 1228.7265, m/z 410.2470
L OS G33 P160811 220811-s1.03173.03173.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



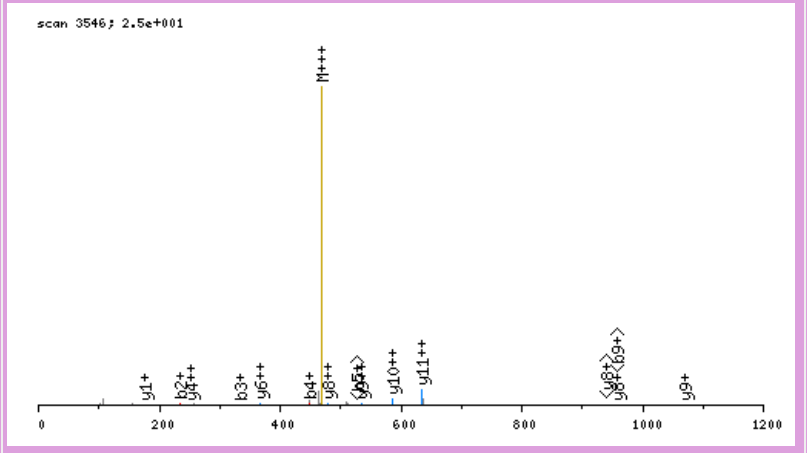
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
229.1552	2	V	10	1099.6476	**550.3277**
316.1872	3	S	9	1000.5792	**500.7935**
387.2243	4	A	8	913.5471	**457.2775**
484.2771	5	P	7	**842.5100**	**421.7589**
599.3040	6	D	6	745.4573	373.2325
712.3881	7	L	5	630.4303	**315.7191**
868.5144	8	K	4	**517.3462**	259.1770
955.5464	9	S	3	**361.2199**	181.1139
1054.6148	10	V	2	274.1879	137.5979
	11	R	1	**175.1195**	88.0637

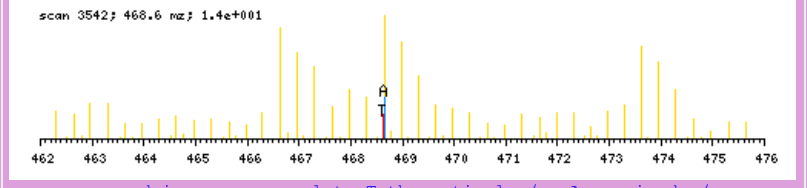
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TVVIPETEAVRR, MH+ 1403.8434, m/z 468.6193
H OS G33 P160811 220811-s1.03546.03546.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

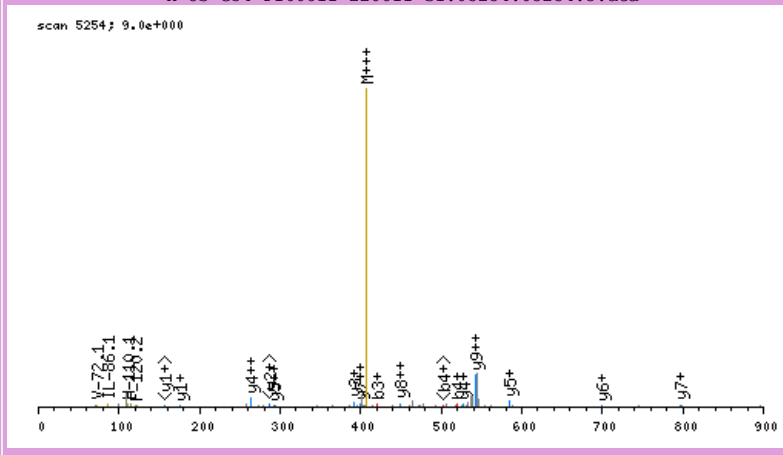


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

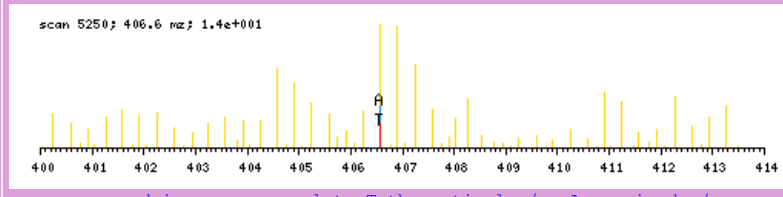
b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
235.1870	2	V	11	1268.7327	634.8702
334.2554	3	V	10	1169.6642	585.3360
447.3395	4	I	9	1070.5958	535.8018
544.3922	5	P	8	957.5118	479.2598
673.4348	6	E	7	860.4590	430.7334
774.4825	7	T	6	731.4164	366.2121
903.5251	8	E	5	630.3687	315.6883
974.5622	9	A	4	501.3261	251.1670
1073.6306	10	V	3	430.2890	215.6484
1229.7317	11	R	2	331.2206	166.1142
	12	R	1	175.1195	88.0637

N-term:+35.07

TWVVLGHSER, MH+ 1217.6855, m/z 406.5667
H OS G34 P160811 220811-s1.05254.05254.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

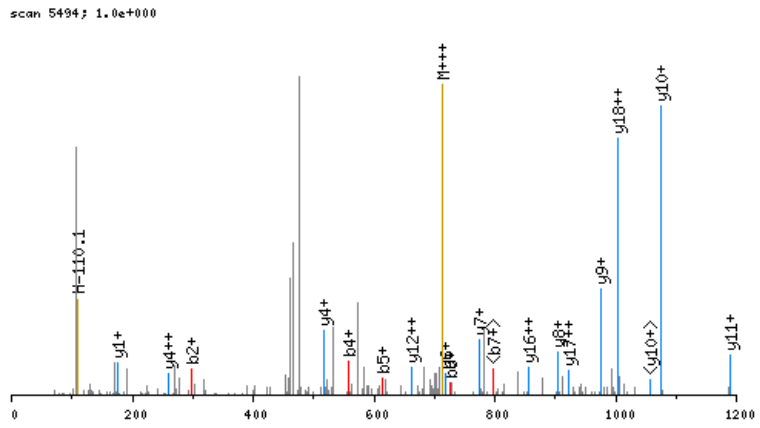
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	10		
322.1979	2	W	9	1082.5747	**541.7913**
421.2663	3	V	8	896.4954	**448.7516**
520.3347	4	V	7	**797.4270**	**399.2174**
633.4188	5	L	6	**698.3586**	349.6832
690.4402	6	G	5	**585.2745**	**293.1412**
827.4992	7	H	4	**528.2530**	**264.6304**
914.5312	8	S	3	**391.1941**	196.1010
1043.5738	9	E	2	304.1621	152.5850
	10	R	1	**175.1195**	88.0637

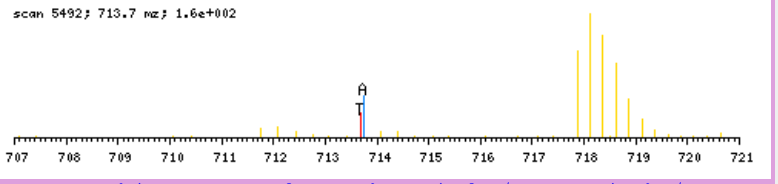
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TYEEGLSHLTAEGQATLER, MH+ 2139.0782, m/z 713.6976
H OS G33 P160811 220811-s1.05494.05494.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



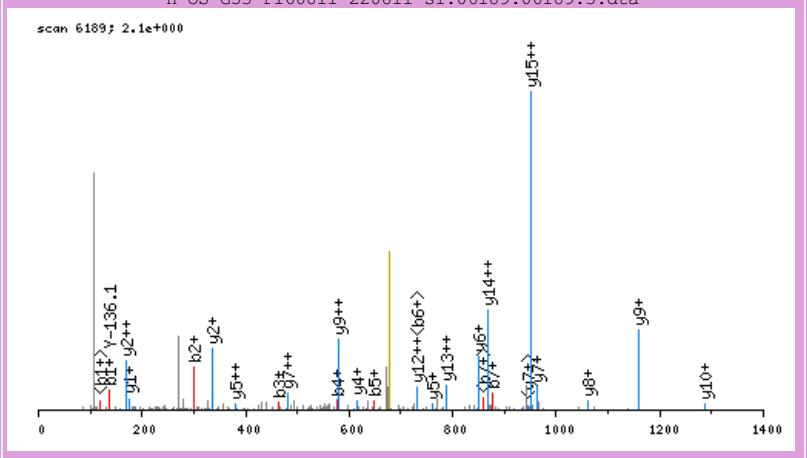
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	19		
299.1819	2	Y	18	2003.9674	**1002.4876**
428.2245	3	E	17	1840.9041	**920.9560**
557.2671	4	E	16	1711.8615	**856.4347**
614.2886	5	G	15	1582.8189	791.9134
727.3726	6	L	14	1525.7974	763.4026
814.4046	7	S	13	1412.7134	706.8606
951.4636	8	H	12	1325.6814	**663.3446**
1064.5476	9	L	11	**1188.6224**	594.8151
1165.5953	10	T	10	**1075.5384**	538.2731
1236.6324	11	A	9	**974.4907**	487.7493
1365.6750	12	E	8	**903.4536**	452.2307
1422.6965	13	G	7	**774.4110**	387.7094
1550.7551	14	Q	6	**717.3895**	359.1987
1621.7922	15	A	5	589.3310	295.1694
1722.8398	16	T	4	**518.2938**	**259.6508**
1835.9239	17	L	3	417.2462	209.1270
1964.9665	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

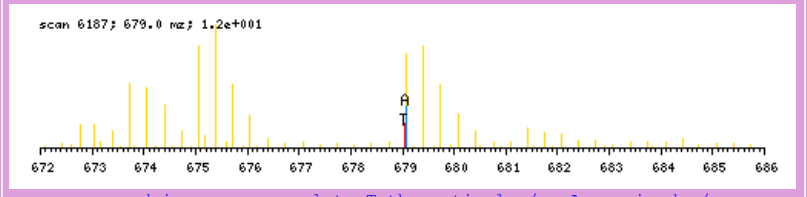
N-term:+35.07

TYYNATEPVISFYDKR, MH+ 2035.0813, m/z 679.0319
H OS G33 P160811 220811-s1.06189.06189.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



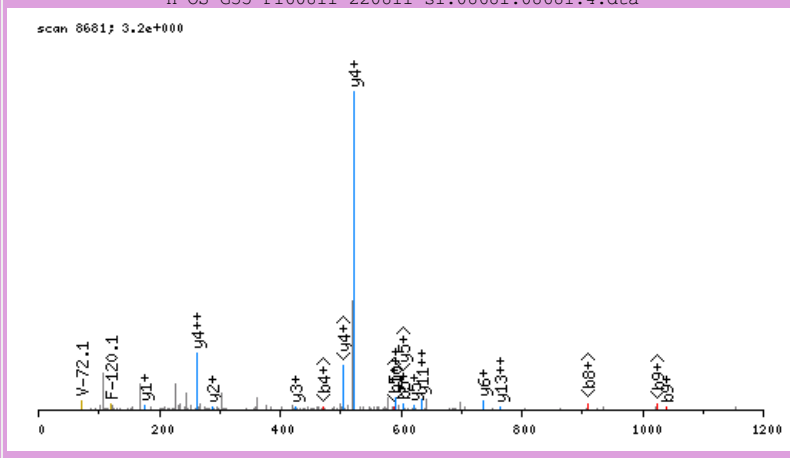
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**16**		
299.1819	**2**	**Y**	**15**	1899.9705	**950.4892**
462.2452	**3**	**Y**	**14**	1736.9072	**868.9575**
576.2882	**4**	**N**	**13**	1573.8439	**787.4258**
647.3253	**5**	**A**	**12**	1459.8009	**730.4044**
748.3730	**6**	**T**	**11**	1388.7638	694.8858
877.4155	**7**	**E**	**10**	**1287.7161**	644.3620
974.4683	**8**	**P**	**9**	**1158.6736**	**579.8407**
1073.5367	**9**	**V**	**8**	**1061.6208**	531.3143
1186.6208	**10**	**I**	**7**	**962.5524**	**481.7801**
1273.6528	**11**	**S**	**6**	**849.4683**	425.2381
1420.7212	**12**	**F**	**5**	**762.4363**	**381.7221**
1583.7846	**13**	**Y**	**4**	**615.3679**	308.1878
1698.8115	**14**	**D**	**3**	452.3045	226.6562
1860.9696	**15**	**K**	**2**	**337.2776**	**169.1427**
	16	**R**	**1**	**175.1195**	88.0637

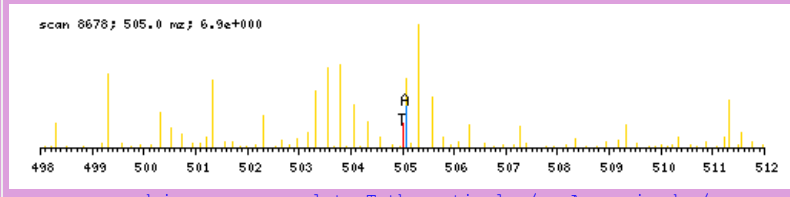
N-term:+35.07 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VAFHDFSSDLENVPHLR, MH+ 2017.0355, m/z 505.0143
H OS G35 P160811 220811-s1.08681.08681.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



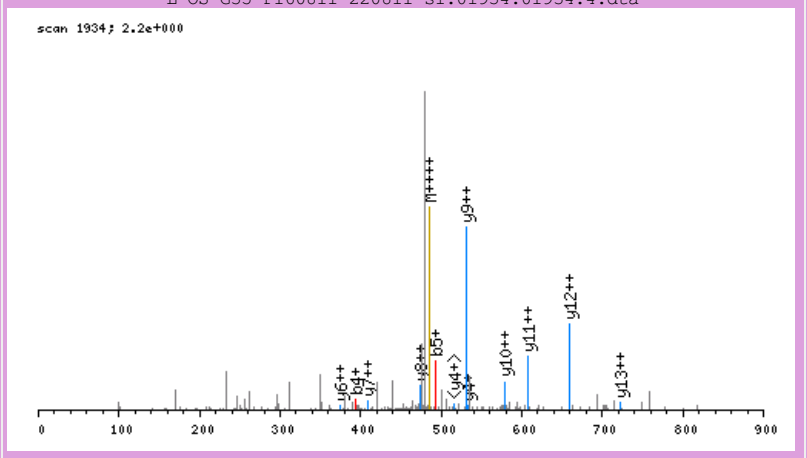
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	17		
205.1764	2	A	16	1883.9040	942.4559
352.2448	3	F	15	1812.8669	906.9374
489.3038	4	H	14	1665.7985	833.4032
604.3307	5	D	13	1528.7396	**764.8737**
751.3991	6	F	12	1413.7127	707.3602
838.4311	7	S	11	1266.6442	**633.8260**
925.4632	8	S	10	1179.6122	**590.3100**
1040.4901	9	D	9	1092.5802	546.7940
1153.5742	10	L	8	977.5532	489.2805
1282.6168	11	E	7	864.4692	432.7385
1396.6597	12	N	6	**735.4266**	368.2172
1495.7281	13	V	5	**621.3837**	311.1957
1592.7809	14	P	4	**522.3152**	**261.6615**
1729.8398	15	H	3	**425.2625**	213.1352
1842.9238	16	L	2	**288.2036**	144.6057
	17	R	1	**175.1195**	88.0637

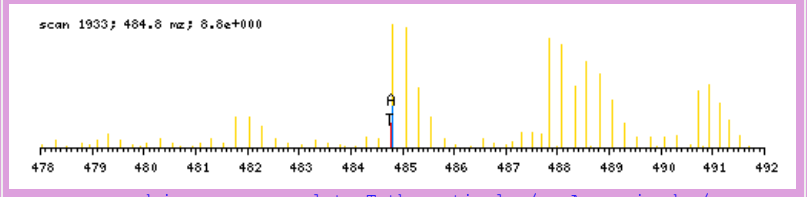
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VAHGVQTGVNQAGKETQR, MH+ 1936.0365, m/z 484.7646
L OS G35 P160811 220811-s1.01934.01934.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



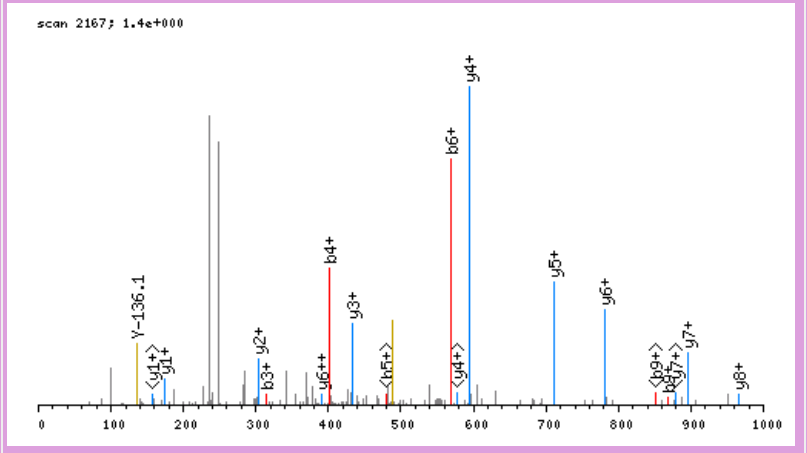
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
199.1446	2	A	17	1808.9368	904.9723
336.2035	3	H	16	1737.8997	869.4537
393.2250	4	G	15	1600.8407	800.9243
492.2934	5	V	14	1543.8193	772.4136
620.3520	6	Q	13	1444.7509	**722.8793**
721.3997	7	T	12	1316.6923	**658.8501**
778.4211	8	G	11	1215.6446	**608.3262**
877.4896	9	V	10	1158.6231	**579.8155**
991.5325	10	N	9	1059.5547	**530.2813**
1119.5911	11	Q	8	945.5118	**473.2598**
1190.6282	12	A	7	817.4532	**409.2305**
1247.6496	13	G	6	746.4161	**373.7120**
1403.7759	14	K	5	689.3946	345.2012
1532.8185	15	E	4	**533.2683**	267.1381
1633.8662	16	T	3	404.2258	202.6168
1761.9248	17	Q	2	303.1781	152.0930
	18	R	1	175.1195	88.0637

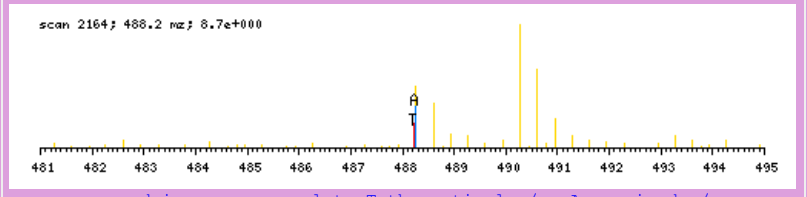
N-term:+29.04 K(14):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VANSPANADYQER, MH+ 1462.6926, m/z 488.2357
L OS G31 P160811 220811-s1.02167.02167.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



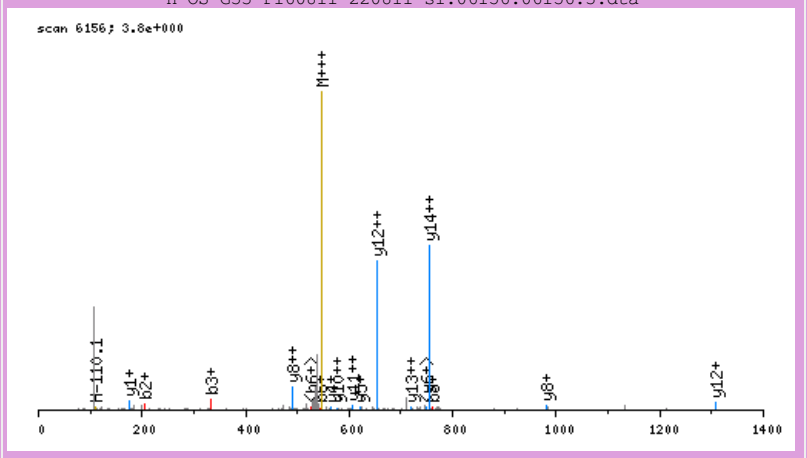
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
199.1446	2	A	12	1335.5929	668.3004
313.1876	3	N	11	1264.5558	632.7818
400.2196	4	S	10	1150.5129	575.7604
497.2723	5	P	9	1063.4809	532.2443
568.3095	6	A	8	**966.4281**	483.7180
682.3524	7	N	7	**895.3910**	448.1994
753.3895	8	A	6	**781.3481**	**391.1779**
868.4164	9	D	5	**710.3109**	355.6594
1031.4798	10	Y	4	**595.2840**	298.1459
1159.5384	11	Q	3	**432.2207**	216.6142
1288.5809	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

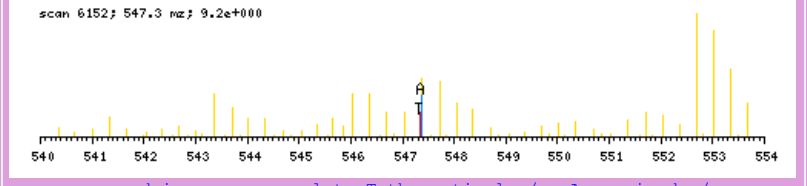
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VAQPGGDTIFGKIIR, MH+ 1640.0172, m/z 547.3439
H OS G33 P160811 220811-s1.06156.06156.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



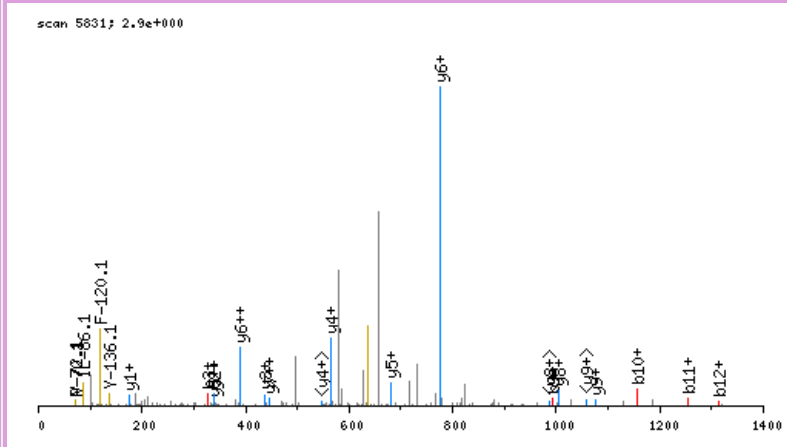
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
205.1764	2	A	14	1506.8857	**753.9467**
333.2350	3	Q	13	1435.8486	**718.4282**
430.2878	4	P	12	**1307.7900**	**654.3989**
487.3092	5	G	11	1210.7372	**605.8725**
544.3307	6	G	10	1153.7158	**577.3618**
659.3576	7	D	9	1096.6943	548.8511
760.4053	8	T	8	**981.6673**	**491.3376**
873.4894	9	I	7	880.6197	440.8137
1020.5578	10	F	6	767.5356	384.2717
1077.5793	11	G	5	**620.4672**	310.7375
1239.7374	12	K	4	**563.4457**	282.2268
1352.8214	13	I	3	401.2876	201.1477
1465.9055	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

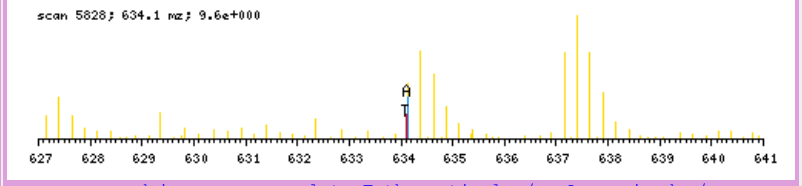
N-term:+35.07 K(12):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VAQPKNLEGYVGFANLPNQVYR, MH+ 2533.3567, m/z 634.0946
L OS G32 P160811 220811-s1.05831.05831.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



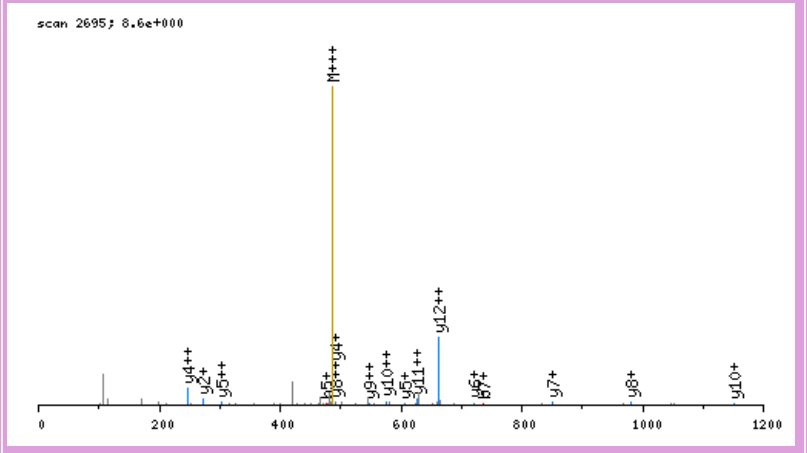
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
199.1446	2	A	21	2406.2570	1203.6324
327.2032	3	Q	20	2335.2199	1168.1139
424.2560	4	P	19	2207.1613	1104.0846
580.3823	5	K	18	2110.1086	1055.5582
694.4252	6	N	17	1953.9823	977.4951
807.5093	7	L	16	1839.9394	920.4736
936.5519	8	E	15	1726.8553	863.9316
993.5733	9	G	14	1597.8127	799.4103
1156.6366	10	Y	13	1540.7912	770.8995
1255.7051	11	V	12	1377.7279	689.3679
1312.7265	12	G	11	1278.6595	639.8337
1459.7949	13	F	10	1221.6380	611.3229
1530.8321	14	A	9	**1074.5696**	537.7887
1644.8750	15	N	8	**1003.5325**	502.2702
1757.9590	16	L	7	889.4896	**445.2487**
1855.0118	17	P	6	**776.4055**	**388.7067**
1969.0547	18	N	5	**679.3527**	**340.1803**
2097.1133	19	Q	4	**565.3098**	283.1588
2196.1817	20	V	3	**437.2512**	219.1295
2359.2451	21	Y	2	**338.1828**	169.5953
	22	R	1	**175.1195**	88.0637

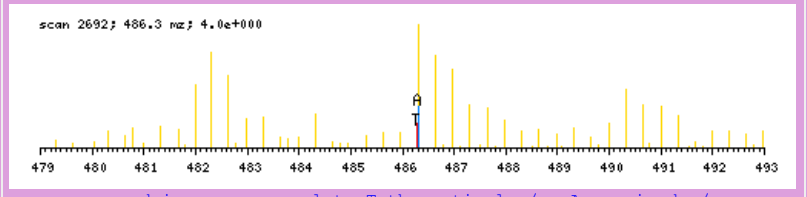
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VATGLMEDDGKPR, MH+ 1456.8106, m/z 486.2751
H OS G33 P160811 220811-s1.02695.02695.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



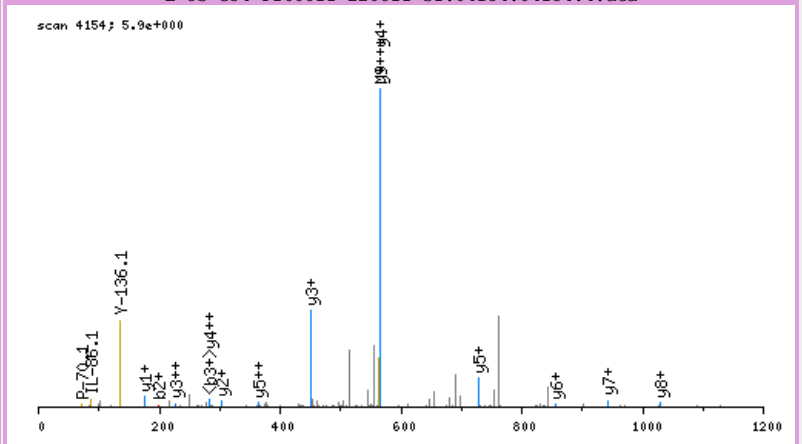
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
205.1764	2	A	12	1323.6791	**662.3435**
306.2241	3	T	11	1252.6420	**626.8249**
363.2456	4	G	10	**1151.5943**	**576.3011**
476.3296	5	L	9	1094.5729	**547.7903**
607.3701	6	M	8	**981.4888**	**491.2483**
736.4127	7	E	7	**850.4483**	425.7281
851.4397	8	D	6	**721.4057**	361.2068
966.4666	9	D	5	**606.3788**	**303.6933**
1023.4881	10	G	4	**491.3518**	**246.1798**
1185.6462	11	K	3	434.3304	217.6691
1282.6989	12	P	2	**272.1723**	136.5900
	13	R	1	175.1195	88.0637

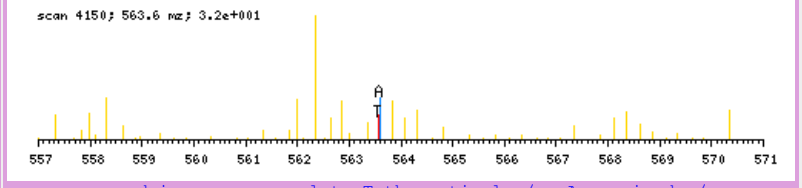
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VATKKTEQGPPSSEYIFER, MH+ 2251.1975, m/z 563.5548
L OS G34 P160811 220811-s1.04154.04154.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



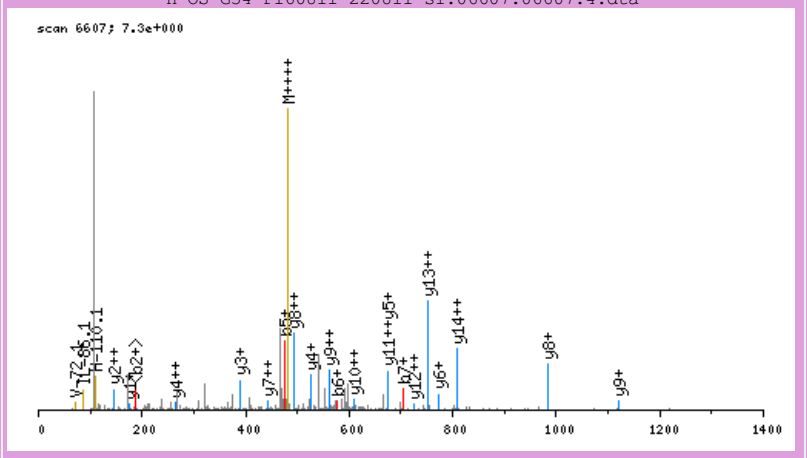
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	19		
199.1446	2	A	18	2124.0978	1062.5528
300.1923	3	T	17	2053.0607	1027.0342
456.3186	4	K	16	1952.0130	976.5104
612.4449	5	K	15	1795.8867	898.4473
713.4926	6	T	14	1639.7604	820.3841
842.5352	7	E	13	1538.7127	769.8603
970.5938	8	Q	12	1409.6701	705.3390
1027.6152	9	G	11	1281.6115	641.3097
1124.6680	10	P	10	1224.5901	612.7990
1221.7207	11	P	9	1127.5373	**564.2726**
1308.7528	12	S	8	**1030.4846**	515.7462
1395.7848	13	S	7	**943.4525**	472.2302
1524.8274	14	E	6	**856.4205**	428.7142
1687.8907	15	Y	5	**727.3779**	**364.1929**
1800.9748	16	I	4	**564.3146**	**282.6612**
1948.0432	17	F	3	**451.2305**	**226.1192**
2077.0858	18	E	2	**304.1621**	152.5850
	19	R	1	**175.1195**	88.0637

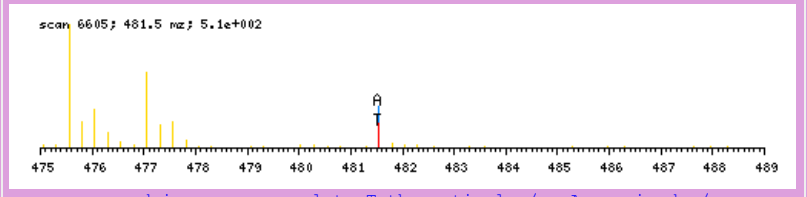
N-term:+29.04 K(4):+156.13
K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VATLGVEVHPLVFHTNR, MH+ 1923.1028, m/z 481.5312
H OS G34 P160811 220811-s1.06607.06607.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



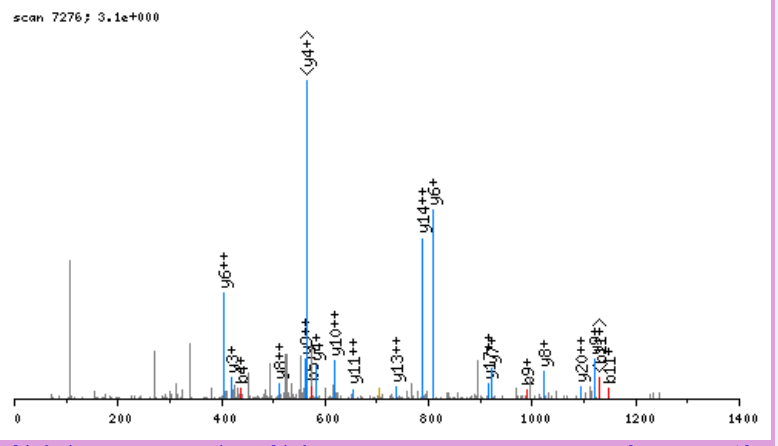
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	17		
205.1764	2	A	16	1789.9713	895.4896
306.2241	3	T	15	1718.9342	859.9710
419.3082	4	L	14	1617.8865	**809.4472**
476.3296	5	G	13	1504.8025	**752.9051**
575.3980	6	V	12	1447.7810	**724.3944**
704.4406	7	E	11	1348.7126	**674.8602**
803.5091	8	V	10	1219.6700	**610.3389**
940.5680	9	H	9	**1120.6016**	**560.8047**
1037.6207	10	P	8	**983.5427**	**492.2752**
1150.7048	11	L	7	886.4899	**443.7489**
1249.7732	12	V	6	**773.4058**	387.2068
1396.8416	13	F	5	**674.3374**	337.6726
1533.9005	14	H	4	**527.2690**	**264.1384**
1634.9482	15	T	3	**390.2101**	195.6090
1748.9911	16	N	2	289.1624	**145.0851**
	17	R	1	**175.1195**	88.0637

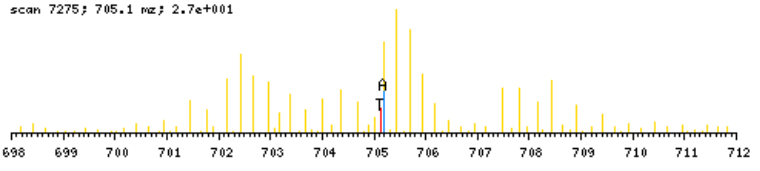
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

VAVMHGETEGTVPGNALVVDPEKPFR, MH+ 2817.5245, m/z 705.1366
H OS G34 P160811 220811-s1.07276.07276.4.dta



click image to zoom in; click top corners to zoom out [precursor]



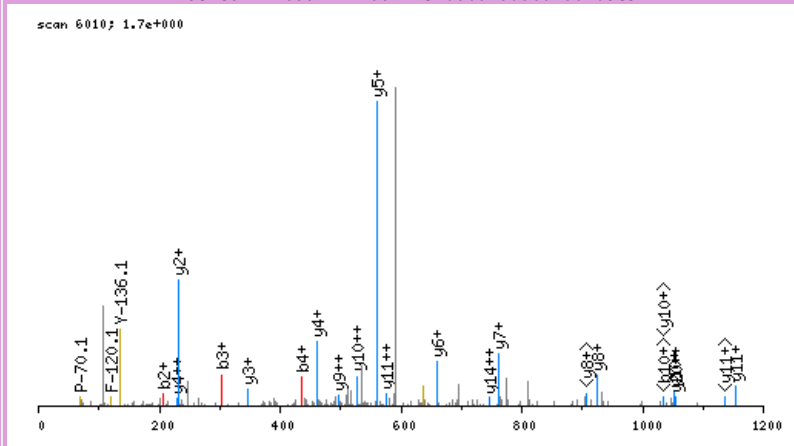
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	26		
205.1764	2	A	25	2684.3930	1342.7004
304.2448	3	V	24	2613.3559	1307.1819
435.2853	4	M	23	2514.2875	1257.6477
572.3442	5	H	22	2383.2470	1192.1274
629.3657	6	G	21	2246.1881	1123.5980
758.4083	7	E	20	2189.1667	**1095.0872**
859.4560	8	T	19	2060.1241	1030.5659
988.4986	9	E	18	1959.0764	980.0421
1045.5200	10	G	17	1830.0338	**915.5208**
1146.5677	11	T	16	1773.0123	887.0101
1245.6361	12	V	15	1671.9647	836.4862
1342.6889	13	P	14	1572.8962	**786.9520**
1399.7104	14	G	13	1475.8435	**738.4257**
1513.7533	15	N	12	1418.8220	709.9149
1584.7904	16	A	11	1304.7791	**652.8935**
1697.8745	17	L	10	1233.7420	**617.3749**
1796.9429	18	V	9	**1120.6579**	**560.8329**
1896.0113	19	V	8	**1021.5895**	**511.2987**
2011.0382	20	D	7	**922.5211**	461.7645
2108.0910	21	P	6	**807.4941**	**404.2510**
2237.1336	22	E	5	710.4414	355.7246
2399.2917	23	K	4	**581.3988**	291.2033
2496.3444	24	P	3	**419.2407**	210.1243
2643.4129	25	F	2	322.1879	161.5979
	26	R	1	175.1195	88.0637

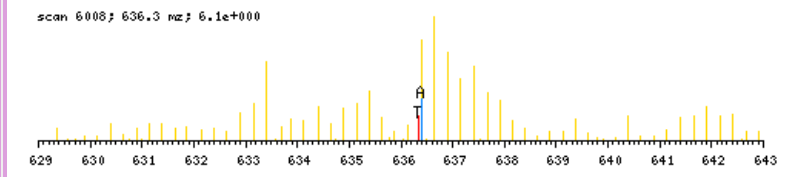
N-term:+35.07 K(23):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VAVMPPHIGDQPLTGAYTVTLDGR, MH+ 2542.3551, m/z 636.3442
H OS G32 P160811 220811-s1.06010.06010.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



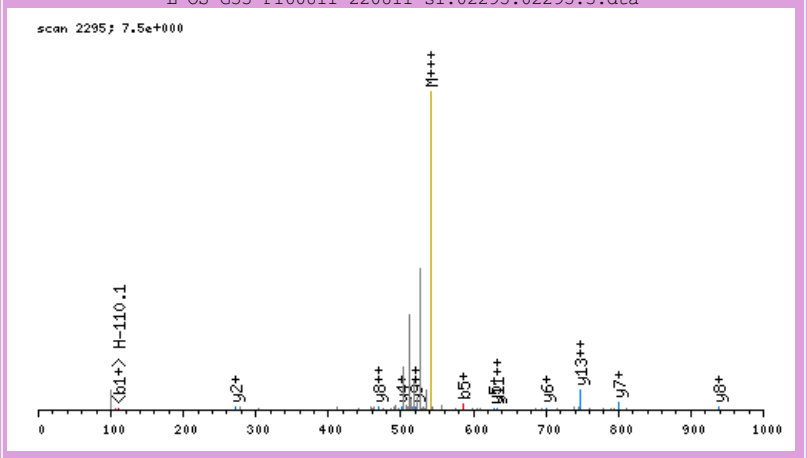
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	24		
205.1764	2	A	23	2409.2237	1205.1157
304.2448	3	V	22	2338.1865	1169.5972
435.2853	4	M	21	2239.1181	1120.0630
532.3381	5	P	20	2108.0776	**1054.5427**
629.3909	6	P	19	2011.0249	1006.0164
766.4498	7	H	18	1913.9721	957.4900
879.5338	8	I	17	1776.9132	888.9605
936.5553	9	G	16	1663.8291	832.4185
1051.5822	10	D	15	1606.8077	803.9078
1179.6408	11	Q	14	1491.7807	**746.3943**
1276.6936	12	P	13	1363.7222	682.3650
1389.7776	13	L	12	1266.6694	633.8386
1490.8253	14	T	11	**1153.5853**	**577.2966**
1547.8468	15	G	10	**1052.5376**	**526.7727**
1618.8839	16	A	9	995.5162	**498.2620**
1781.9472	17	Y	8	**924.4791**	462.7434
1882.9949	18	T	7	**761.4157**	381.2118
1982.0633	19	V	6	**660.3681**	330.6879
2083.1110	20	T	5	**561.2997**	281.1537
2196.1951	21	L	4	**460.2520**	**230.6299**
2311.2220	22	D	3	**347.1679**	174.0879
2368.2435	23	G	2	**232.1410**	116.5744
	24	R	1	175.1195	88.0637

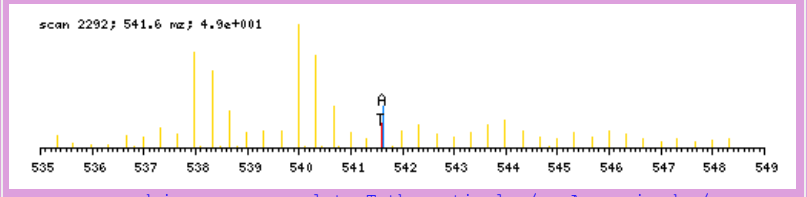
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDDVEVHTAQTQPR, MH+ 1622.8138, m/z 541.6095
L OS G33 P160811 220811-s1.02295.02295.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



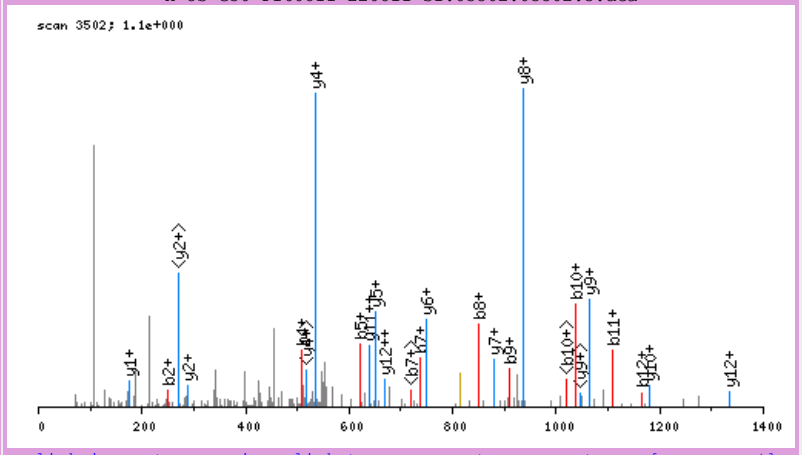
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
243.1345	2	D	13	1495.7141	**748.3610**
358.1614	3	D	12	1380.6872	690.8475
457.2298	4	V	11	1265.6602	**633.3340**
586.2724	5	E	10	1166.5918	583.7998
685.3408	6	V	9	1037.5492	**519.2785**
822.3997	7	H	8	**938.4808**	**469.7443**
923.4474	8	T	7	**801.4219**	401.2149
994.4845	9	A	6	**700.3742**	350.6910
1122.5431	10	Q	5	**629.3371**	315.1725
1223.5908	11	T	4	**501.2785**	251.1432
1351.6494	12	Q	3	400.2308	200.6193
1448.7021	13	P	2	**272.1723**	136.5900
	14	R	1	175.1195	88.0637

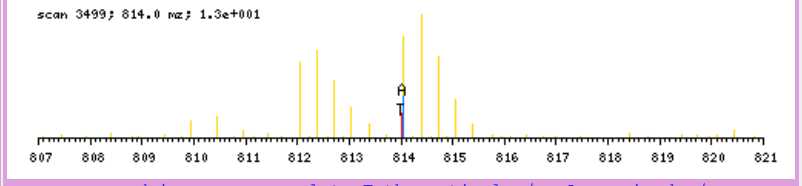
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDEEDGGDGQAGPDEGEVDSCLR, MH+ 2440.0270, m/z 814.0138
H OS G30 P160811 220811-s1.03502.03502.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



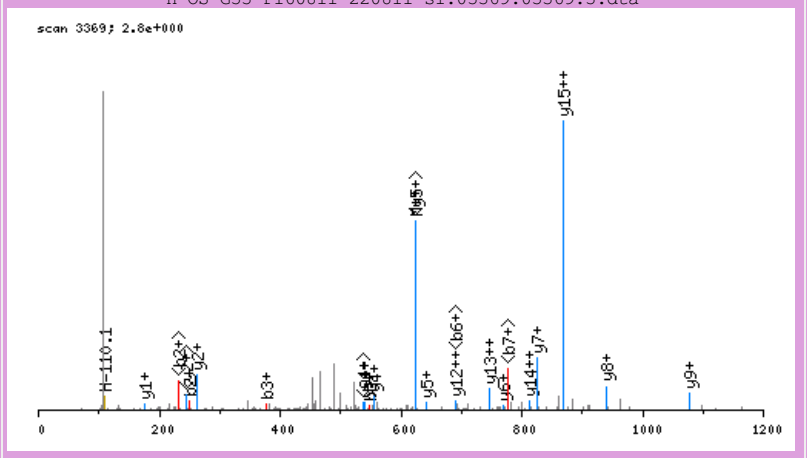
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	23		
249.1663	2	D	22	2306.8955	1153.9516
378.2089	3	E	21	2191.8685	1096.4382
507.2514	4	E	20	2062.8259	1031.9169
622.2784	5	D	19	1933.7833	967.3956
679.2999	6	G	18	1818.7564	909.8821
736.3213	7	G	17	1761.7349	881.3714
851.3483	8	D	16	1704.7135	852.8606
908.3697	9	G	15	1589.6865	795.3472
1036.4283	10	Q	14	1532.6651	766.8364
1107.4654	11	A	13	1404.6065	702.8072
1164.4869	12	G	12	**1333.5694**	**667.2886**
1261.5396	13	P	11	1276.5479	**638.7779**
1376.5666	14	D	10	**1179.4951**	590.2515
1505.6092	15	E	9	**1064.4682**	532.7380
1562.6306	16	G	8	**935.4256**	468.2167
1691.6732	17	E	7	**878.4041**	439.7060
1790.7416	18	V	6	**749.3616**	375.1847
1905.7686	19	D	5	**650.2931**	325.6505
1992.8006	20	S	4	**535.2662**	268.1370
2152.8312	21	C	3	448.2342	224.6210
2265.9153	22	L	2	**288.2036**	144.6057
	23	R	1	**175.1195**	88.0637

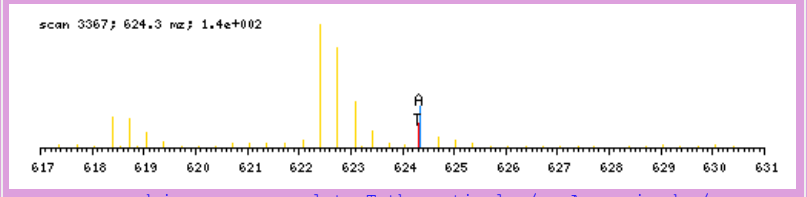
N-term:+35.07 C(21):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDELGCSHLGQSYESR, MH+ 1870.8817, m/z 624.2987
H OS G33 P160811 220811-s1.03369.03369.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
249.1663	2	D	15	1737.7502	869.3790
378.2089	3	E	14	1622.7232	811.8655
491.2929	4	L	13	1493.6807	747.3442
548.3144	5	G	12	1380.5966	690.8022
708.3450	6	C	11	1323.5751	662.2915
795.3770	7	S	10	1163.5445	582.2762
932.4359	8	H	9	1076.5125	538.7602
1045.5200	9	L	8	939.4536	470.2307
1102.5414	10	G	7	826.3695	413.6887
1230.6000	11	Q	6	769.3481	385.1779
1317.6321	12	S	5	641.2895	321.1487
1480.6954	13	Y	4	554.2575	277.6326
1609.7380	14	E	3	391.1941	196.1010
1696.7700	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

N-term:+35.07 C(6):+160.03

X-range:
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MassTol: Y-zoom:
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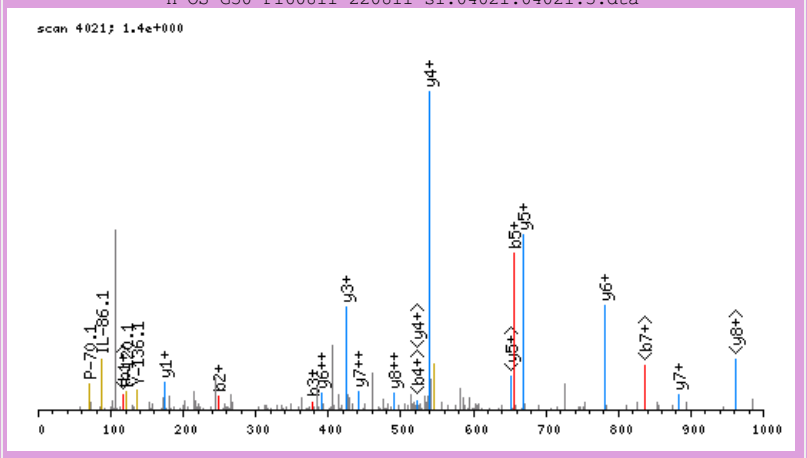
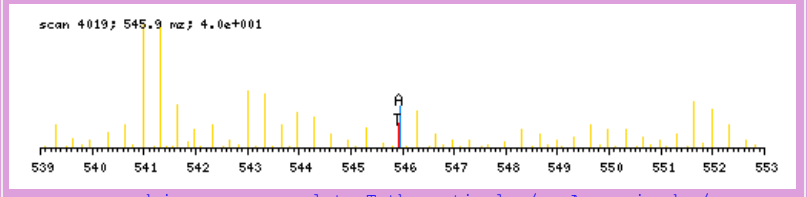
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDEYDPTIEDSYR, MH+ 1635.7602, m/z 545.9249
H OS G30 P160811 220811-s1.04021.04021.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



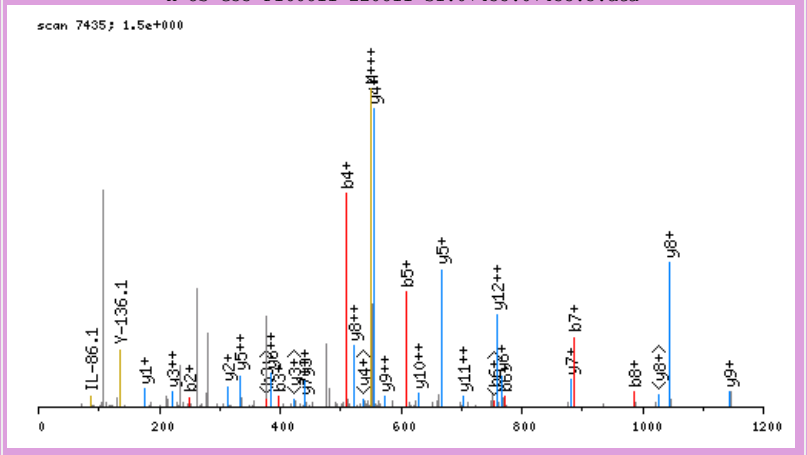
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
249.1663	2	D	12	1502.6287	751.8183
378.2089	3	E	11	1387.6018	694.3048
541.2722	4	Y	10	1258.5592	629.7835
656.2991	5	D	9	1095.4958	548.2518
753.3519	6	P	8	980.4689	**490.7384**
854.3996	7	T	7	**883.4161**	**442.2120**
967.4836	8	I	6	**782.3685**	**391.6881**
1096.5262	9	E	5	**669.2844**	335.1461
1211.5532	10	D	4	**540.2418**	270.6248
1298.5852	11	S	3	**425.2149**	213.1113
1461.6485	12	Y	2	338.1828	169.5953
	13	R	1	**175.1195**	88.0637

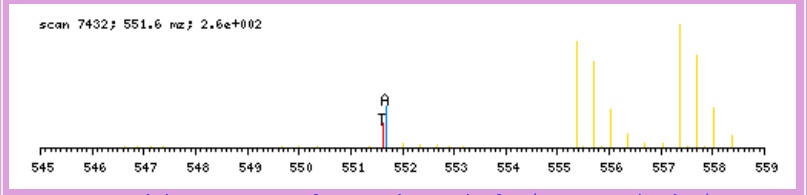
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDFLVYDVLDQHR, MH+ 1652.8860, m/z 551.6335
H OS G33 P160811 220811-s1.07435.07435.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



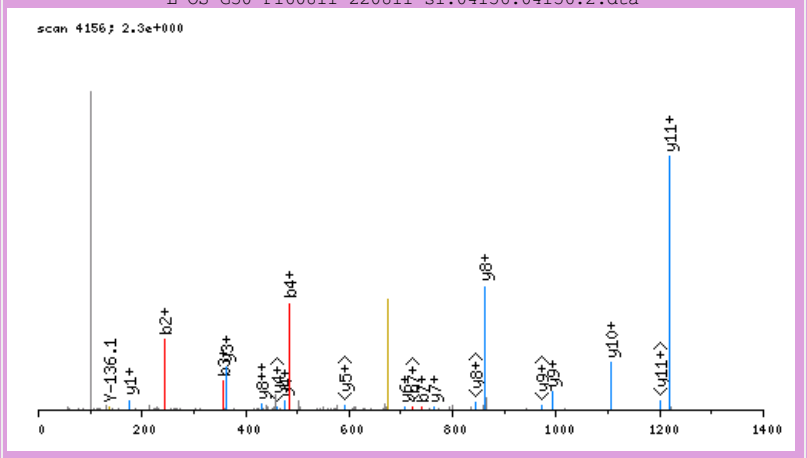
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
249.1663	2	D	12	1519.7545	760.3812
396.2347	3	F	11	1404.7276	702.8677
509.3187	4	L	10	1257.6592	629.3335
608.3871	5	V	9	1144.5751	572.7915
771.4505	6	Y	8	1045.5067	523.2573
886.4774	7	D	7	882.4434	441.7256
985.5458	8	V	6	767.4164	384.2121
1098.6299	9	L	5	668.3480	334.6779
1213.6568	10	D	4	555.2639	278.1359
1341.7154	11	Q	3	440.2370	220.6224
1478.7743	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

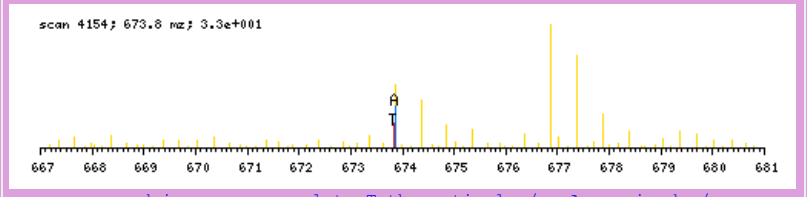
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDLEPGTMDSVR, MH+ 1346.6626, m/z 673.8349
L OS G30 P160811 220811-s1.04156.04156.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



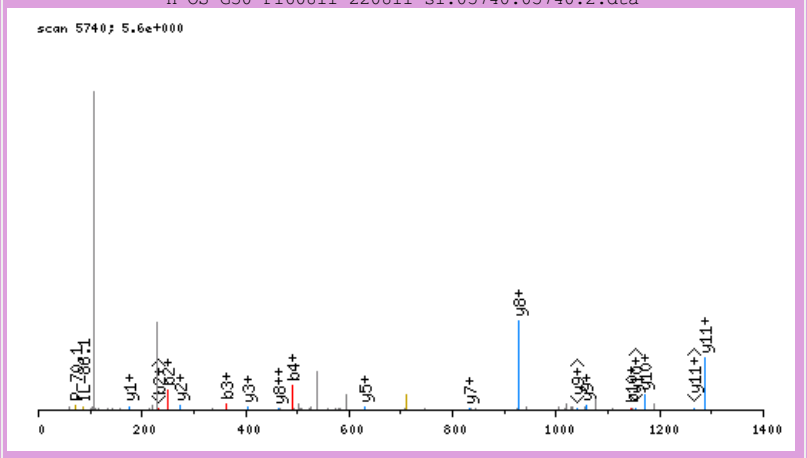
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
243.1345	2	D	11	1219.5629	610.2854
356.2185	3	L	10	1104.5359	552.7719
485.2611	4	E	9	991.4519	496.2298
582.3139	5	P	8	862.4093	431.7086
639.3353	6	G	7	765.3565	383.1822
740.3830	7	T	6	708.3350	354.6714
871.4235	8	M	5	607.2874	304.1476
986.4504	9	D	4	476.2469	238.6274
1073.4825	10	S	3	361.2199	181.1139
1172.5509	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

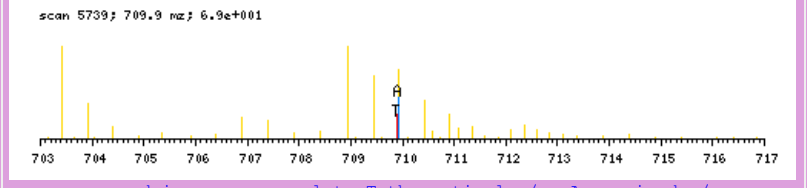
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDLEPTVIDEVR, MH+ 1418.7955, m/z 709.9014
H OS G30 P160811 220811-s1.05740.05740.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



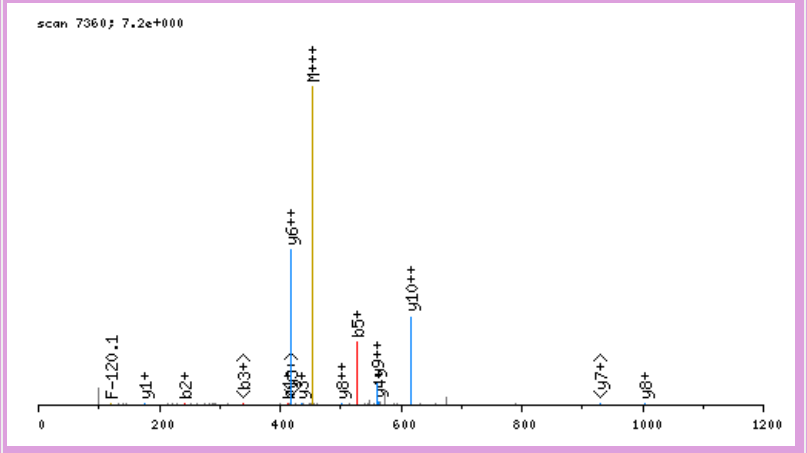
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	12		
249.1663	2	D	11	**1285.6640**	643.3359
362.2503	3	L	10	**1170.6370**	585.8224
491.2929	4	E	9	**1057.5530**	529.2804
588.3457	5	P	8	**928.5104**	**464.7591**
689.3934	6	T	7	**831.4576**	416.2327
788.4618	7	V	6	730.4099	365.7089
901.5458	8	I	5	**631.3415**	316.1747
1016.5728	9	D	4	518.2575	259.6326
1145.6154	10	E	3	**403.2305**	202.1192
1244.6838	11	V	2	**274.1879**	137.5979
	12	R	1	**175.1195**	88.0637

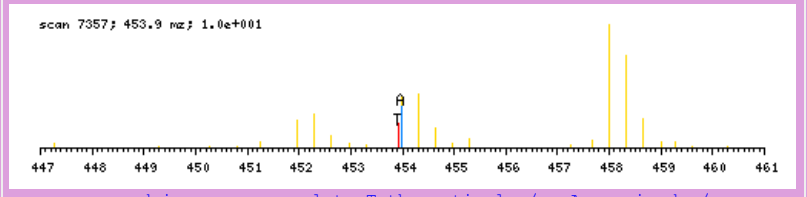
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDLGDLKQFLR, MH+ 1359.8000, m/z 453.9382
L OS G33 P160811 220811-s1.07360.07360.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



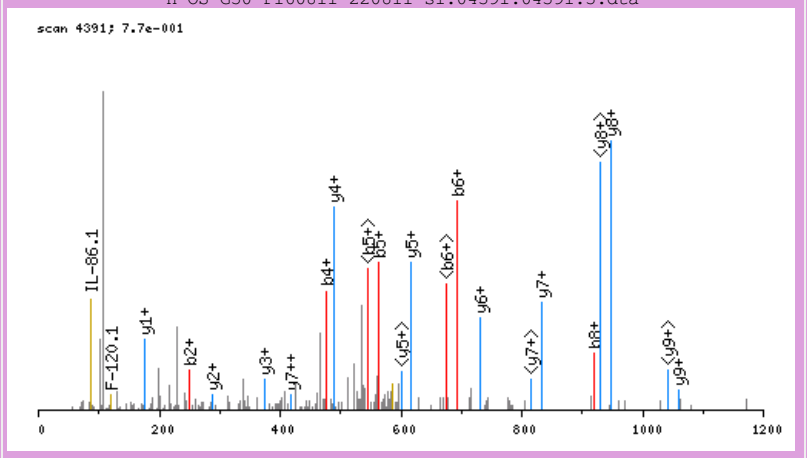
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	11		
243.1345	2	D	10	1232.7003	**616.8541**
356.2185	3	L	9	1117.6734	**559.3406**
413.2400	4	G	8	**1004.5893**	**502.7986**
528.2669	5	D	7	947.5679	474.2878
641.3510	6	L	6	832.5409	**416.7744**
797.4773	7	K	5	719.4569	360.2323
925.5359	8	Q	4	**563.3306**	282.1692
1072.6043	9	F	3	**435.2720**	218.1399
1185.6883	10	L	2	288.2036	144.6057
	11	R	1	**175.1195**	88.0637

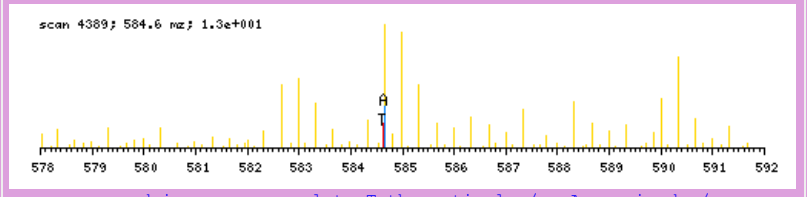
N-term:+29.04 K(7):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDLNSEIDTNQNSLR, MH+ 1751.8988, m/z 584.6378
H OS G30 P160811 220811-s1.04391.04391.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



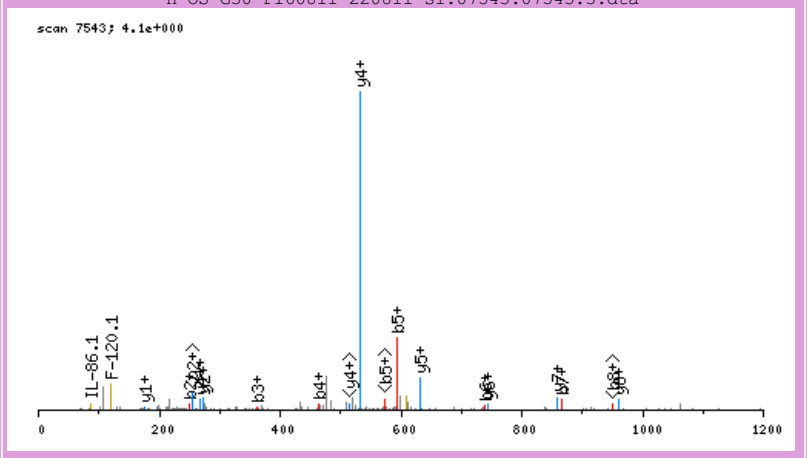
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
249.1663	2	D	14	1618.7673	809.8875
362.2503	3	L	13	1503.7403	752.3741
476.2932	4	N	12	1390.6563	695.8320
563.3253	5	S	11	1276.6133	638.8106
692.3679	6	E	10	1189.5813	595.2946
805.4519	7	I	9	**1060.5387**	530.7733
920.4789	8	D	8	**947.4546**	474.2312
1021.5266	9	T	7	**832.4277**	**416.7178**
1135.5695	10	N	6	**731.3800**	366.1939
1263.6281	11	Q	5	**617.3371**	309.1725
1377.6710	12	N	4	**489.2785**	245.1432
1464.7030	13	S	3	**375.2356**	188.1217
1577.7871	14	L	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

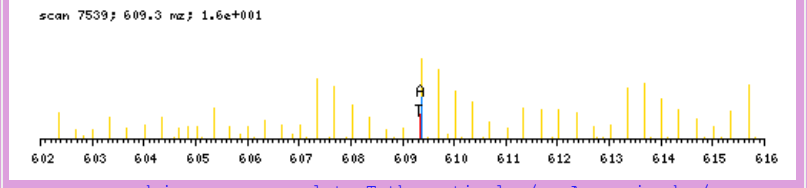
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDLTEFQTNLVPYPR, MH+ 1825.9912, m/z 609.3353
H OS G30 P160811 220811-s1.07543.07543.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



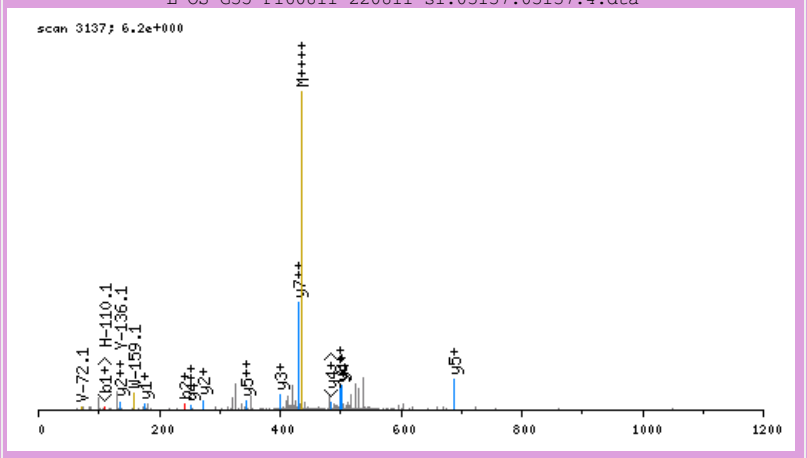
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
249.1663	2	D	14	1692.8597	846.9338
362.2503	3	L	13	1577.8328	789.4203
463.2980	4	T	12	1464.7487	732.8783
592.3406	5	E	11	1363.7010	682.3544
739.4090	6	F	10	1234.6584	617.8331
867.4676	7	Q	9	1087.5900	544.2989
968.5153	8	T	8	**959.5314**	480.2696
1082.5582	9	N	7	**858.4838**	429.7458
1195.6423	10	L	6	**744.4408**	372.7243
1294.7107	11	V	5	**631.3568**	316.1823
1391.7634	12	P	4	**532.2884**	**266.6481**
1554.8268	13	Y	3	435.2356	218.1217
1651.8795	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

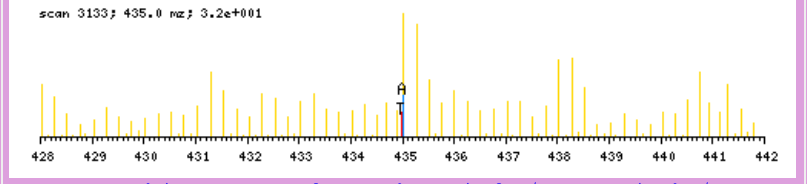
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDNKEVHTAWTQPR, MH+ 1736.9084, m/z 434.9826
L OS G35 P160811 220811-s1.03137.03137.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



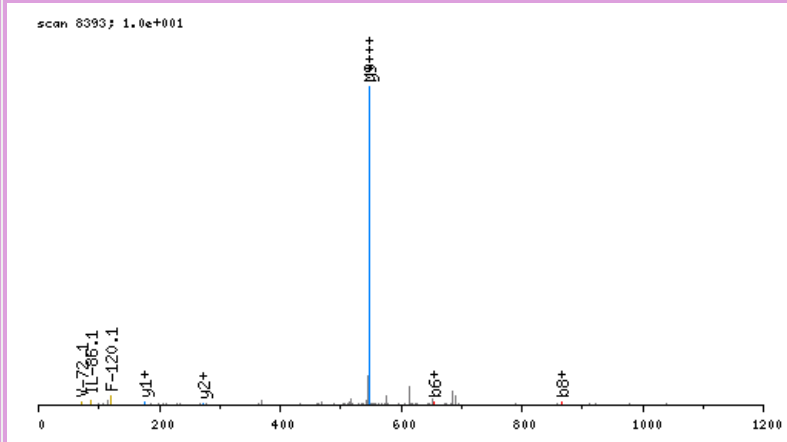
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
243.1345	2	D	13	1609.8087	805.4083
357.1774	3	N	12	1494.7818	747.8948
513.3037	4	K	11	1380.7388	690.8733
642.3463	5	E	10	1224.6125	612.8102
741.4147	6	V	9	1095.5700	548.2889
878.4736	7	H	8	996.5015	**498.7547**
979.5213	8	T	7	859.4426	**430.2252**
1050.5584	9	A	6	758.3949	379.7014
1236.6377	10	W	5	**687.3578**	**344.1828**
1337.6854	11	T	4	**501.2785**	**251.1432**
1465.7440	12	Q	3	**400.2308**	200.6193
1562.7967	13	P	2	**272.1723**	**136.5900**
	14	R	1	**175.1195**	88.0637

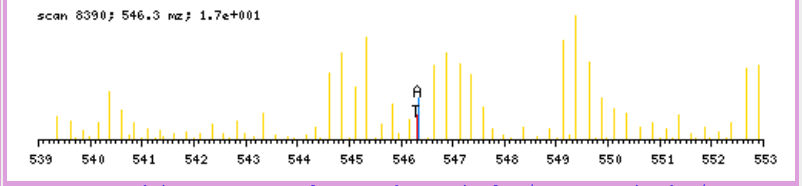
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VDPSLIIVVQAKEDAYIPR, MH+ 2182.2487, m/z 546.3176
L OS G34 P160811 220811-s1.08393.08393.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



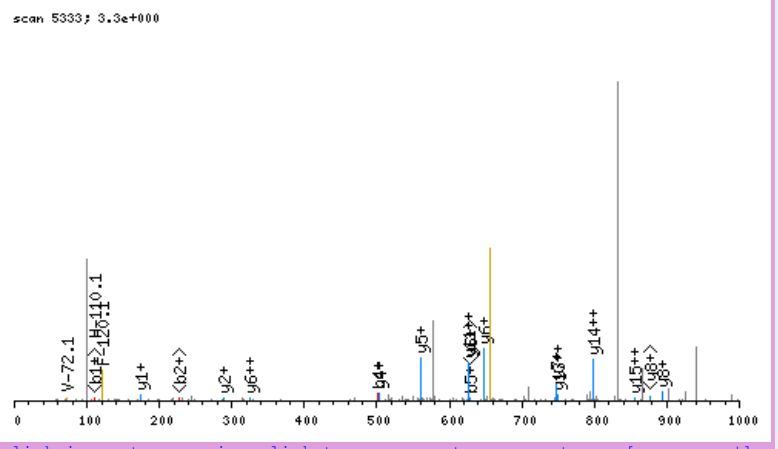
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	19		
243.1345	2	D	18	2055.1491	1028.0784
340.1872	3	P	17	1940.1221	970.5650
427.2192	4	S	16	1843.0693	922.0386
540.3033	5	L	15	1756.0373	878.5226
653.3874	6	I	14	1642.9533	821.9805
766.4714	7	I	13	1529.8692	765.4385
865.5399	8	V	12	1416.7851	708.8965
964.6083	9	V	11	1317.7167	659.3623
1092.6668	10	Q	10	1218.6483	609.8281
1163.7040	11	A	9	1090.5897	**545.7988**
1319.8303	12	K	8	1019.5526	510.2802
1448.8729	13	E	7	863.4263	432.2171
1563.8998	14	D	6	734.3837	367.6958
1634.9369	15	A	5	619.3568	310.1823
1798.0002	16	Y	4	548.3197	274.6637
1911.0843	17	I	3	385.2563	193.1321
2008.1371	18	P	2	**272.1723**	136.5900
	19	R	1	**175.1195**	88.0637

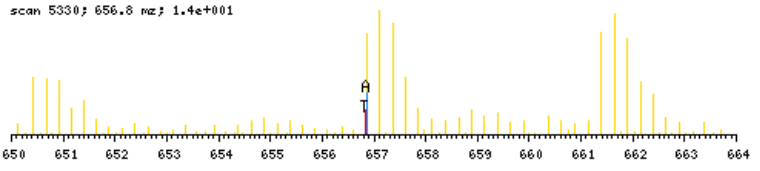
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VDQEEKEDVKSCAEFVSGSQLR, MH+ 2624.2878, m/z 656.8274
L OS G34 P160811 220811-s1.05333.05333.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



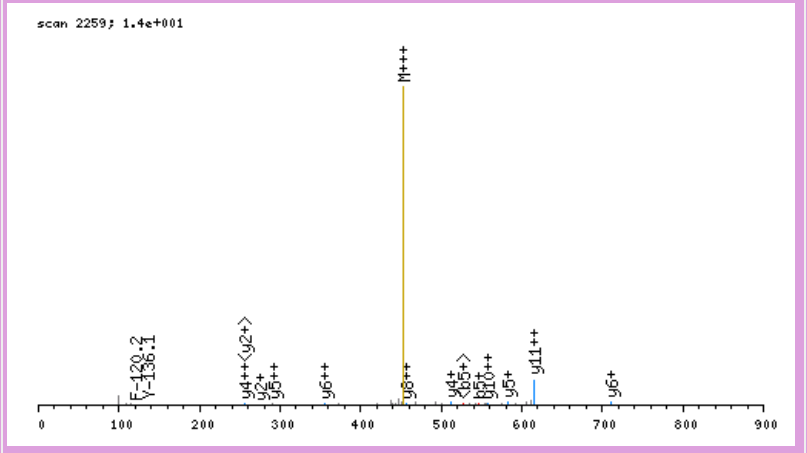
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
243.1345	2	D	21	2497.1881	1249.0980
371.1930	3	Q	20	2382.1611	1191.5845
500.2356	4	E	19	2254.1026	1127.5552
629.2782	5	E	18	2125.0600	1063.0339
785.4045	6	K	17	1996.0174	998.5126
914.4471	7	E	16	1839.8911	920.4495
1029.4741	8	D	15	1710.8485	**855.9282**
1128.5425	9	V	14	1595.8215	**798.4147**
1284.6688	10	K	13	1496.7531	**748.8805**
1371.7008	11	S	12	1340.6268	670.8173
1531.7314	12	C	11	1253.5948	**627.3013**
1602.7685	13	A	10	1093.5642	547.2860
1731.8111	14	E	9	1022.5271	511.7675
1878.8795	15	F	8	**893.4845**	447.2462
1977.9479	16	V	7	**746.4161**	373.7120
2064.9800	17	S	6	**647.3477**	**324.1777**
2122.0014	18	G	5	**560.3156**	280.6617
2209.0335	19	S	4	**503.2942**	252.1510
2337.0920	20	Q	3	416.2621	208.6350
2450.1761	21	L	2	**288.2036**	144.6057
	22	R	1	**175.1195**	88.0637

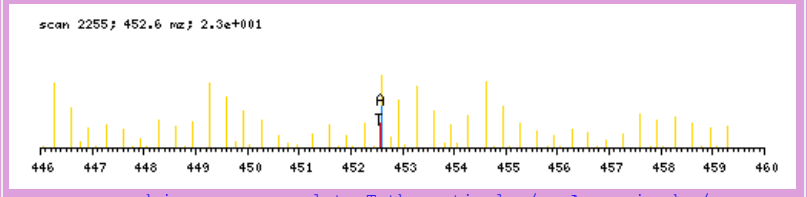
N-term:+29.04 K(6):+156.13
K(10):+156.13 C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDSDTVQAHTVR, MH+ 1355.6919, m/z 452.5688
L OS G34 P160811 220811-s1.02259.02259.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



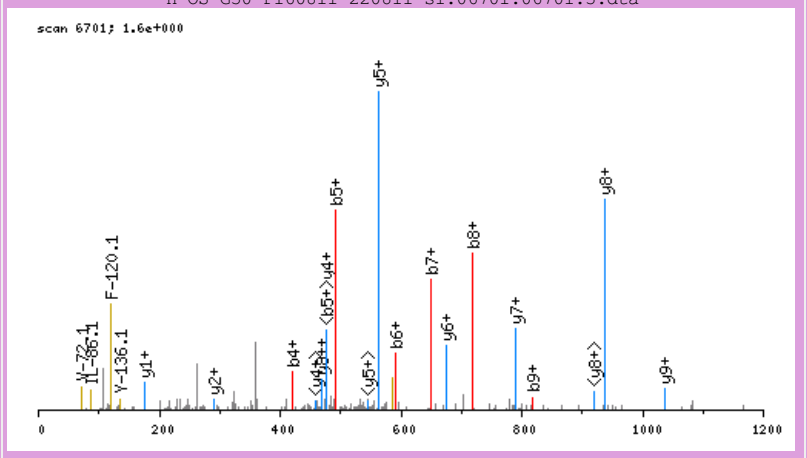
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
243.1345	2	D	11	1228.5922	**614.8000**
330.1665	3	S	10	1113.5653	**557.2865**
445.1934	4	D	9	1026.5332	513.7705
546.2411	5	T	8	911.5063	**456.2571**
645.3095	6	V	7	810.4586	405.7332
773.3681	7	Q	6	**711.3902**	**356.1990**
844.4052	8	A	5	**583.3316**	**292.1697**
981.4641	9	H	4	**512.2945**	**256.6512**
1082.5118	10	T	3	375.2356	188.1217
1181.5802	11	V	2	**274.1879**	137.5979
	12	R	1	175.1195	88.0637

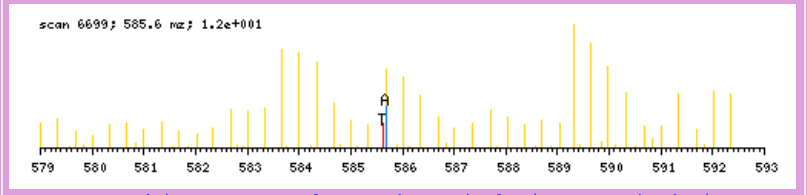
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VDTAAVGAVFDISNADR, MH+ 1754.9137, m/z 585.6427
H OS G30 P160811 220811-s1.06701.06701.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



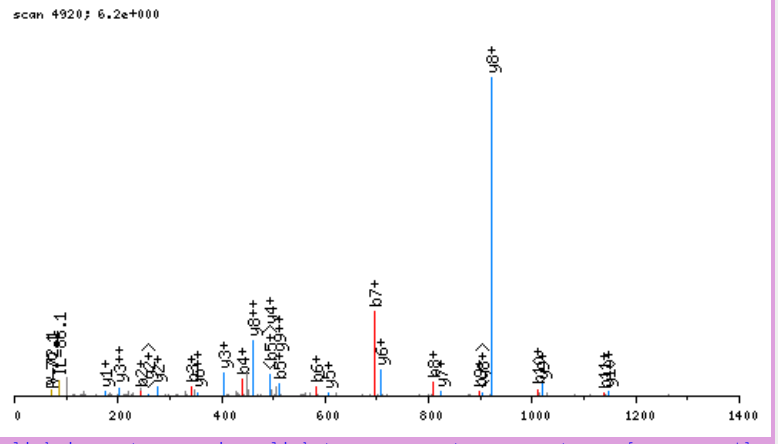
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	17		
249.1663	2	D	16	1621.7822	811.3950
350.2139	3	T	15	1506.7552	753.8815
421.2510	4	A	14	1405.7076	703.3577
492.2882	5	A	13	1334.6705	667.8391
591.3566	6	V	12	1263.6333	632.3206
648.3780	7	G	11	1164.5649	582.7864
719.4152	8	A	10	1107.5435	554.2756
818.4836	9	V	9	**1036.5063**	518.7571
965.5520	10	F	8	**937.4379**	**469.2229**
1080.5789	11	D	7	**790.3695**	395.6887
1193.6630	12	I	6	**675.3426**	338.1752
1280.6950	13	S	5	**562.2585**	281.6332
1394.7379	14	N	4	**475.2265**	238.1172
1465.7751	15	A	3	361.1836	181.0957
1580.8020	16	D	2	**290.1464**	145.5771
	17	R	1	**175.1195**	88.0637

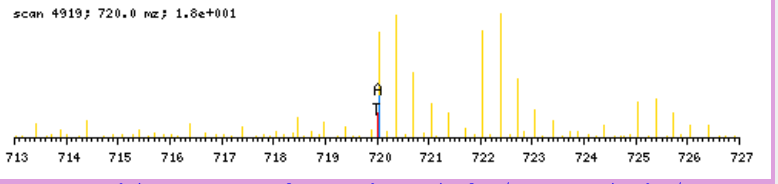
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VDVPAADLSDQVPDTDSETR, MH+ 2158.0151, m/z 720.0099
L OS G30 P160811 220811-s1.04920.04920.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



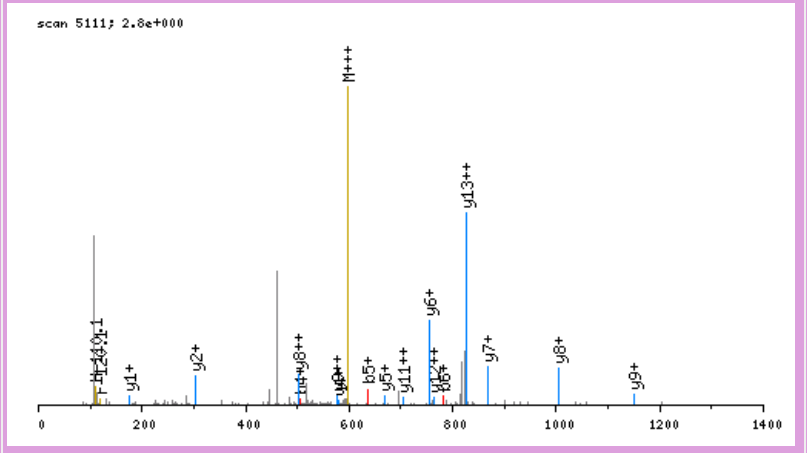
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	20		
243.1345	2	D	19	2030.9154	1015.9616
342.2029	3	V	18	1915.8885	958.4482
439.2556	4	P	17	1816.8201	908.9140
510.2927	5	A	16	1719.7673	860.3876
581.3299	6	A	15	1648.7302	824.8690
696.3568	7	D	14	1577.6931	789.3505
809.4409	8	L	13	1462.6662	731.8370
896.4729	9	S	12	1349.5821	675.2950
1011.4998	10	D	11	1262.5501	631.7789
1139.5584	11	Q	10	**1147.5231**	574.2655
1238.6268	12	V	9	**1019.4645**	**510.2362**
1335.6796	13	P	8	**920.3961**	**460.7020**
1450.7065	14	D	7	**823.3434**	412.1756
1551.7542	15	T	6	**708.3164**	**354.6621**
1666.7812	16	D	5	**607.2687**	304.1383
1753.8132	17	S	4	**492.2418**	246.6248
1882.8558	18	E	3	**405.2098**	**203.1088**
1983.9035	19	T	2	**276.1672**	138.5875
	20	R	1	**175.1195**	88.0637

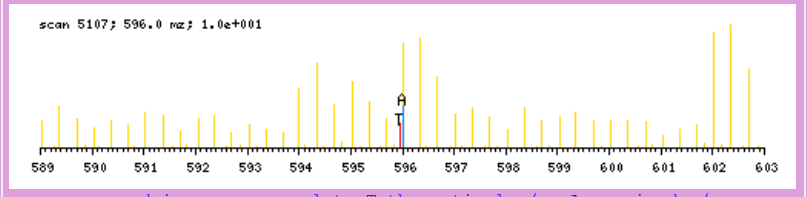
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEDQEFHISSFEER, MH+ 1785.8507, m/z 595.9551
H OS G33 P160811 220811-s1.05111.05111.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



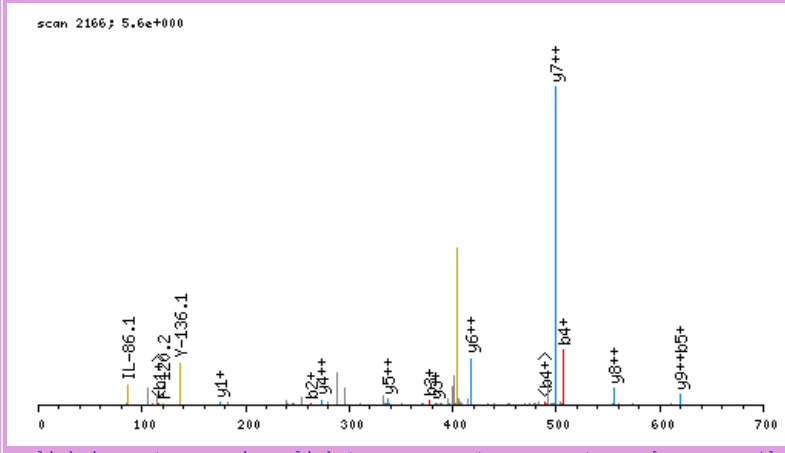
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
263.1819	2	E	13	1652.7193	**826.8635**
378.2089	3	D	12	1523.6767	**762.3422**
506.2674	4	Q	11	1408.6497	**704.8288**
635.3100	5	E	10	1280.5911	640.7995
782.3784	6	F	9	**1151.5485**	**576.2782**
919.4373	7	H	8	**1004.4801**	**502.7440**
1032.5214	8	I	7	**867.4212**	434.2145
1119.5534	9	S	6	**754.3372**	377.6725
1206.5855	10	S	5	**667.3051**	334.1565
1353.6539	11	F	4	**580.2731**	290.6405
1482.6965	12	E	3	433.2047	217.1063
1611.7391	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

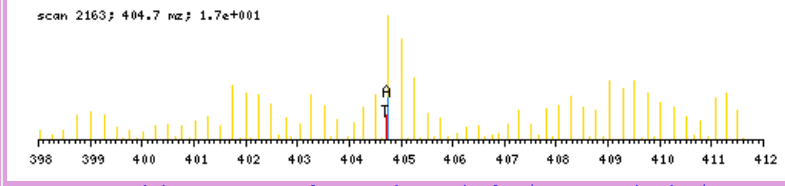
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEDQIYCEKHAR, MH+ 1615.8538, m/z 404.7189
H OS G35 P160811 220811-s1.02166.02166.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



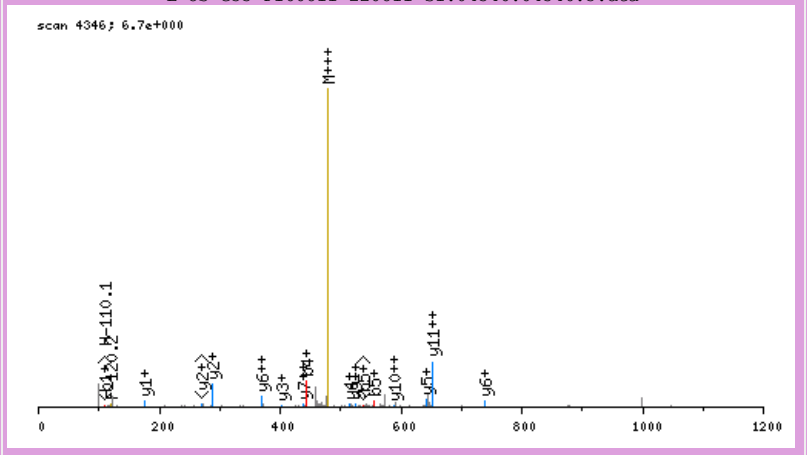
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	12		
263.1819	2	E	11	1482.7223	741.8651
378.2089	3	D	10	1353.6797	677.3438
506.2674	4	Q	9	1238.6528	**619.8303**
619.3515	5	I	8	1110.5942	**555.8010**
782.4148	6	Y	7	997.5101	**499.2590**
942.4454	7	C	6	834.4468	**417.7273**
1071.4880	8	E	5	674.4162	**337.7120**
1233.6461	9	K	4	545.3736	**273.1907**
1370.7050	10	H	3	**383.2155**	192.1117
1441.7421	11	A	2	246.1566	123.5822
	12	R	1	**175.1195**	88.0637

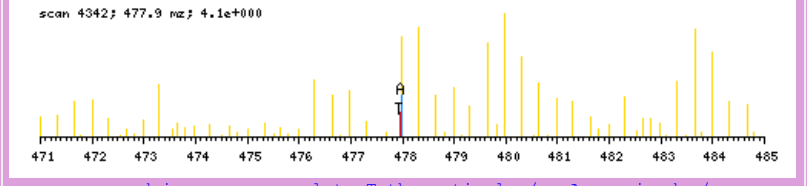
N-term:+35.07 C(7):+160.03
K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEEGLHPQIIIR, MH+ 1431.8323, m/z 477.9490
L OS G33 P160811 220811-s1.04346.04346.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



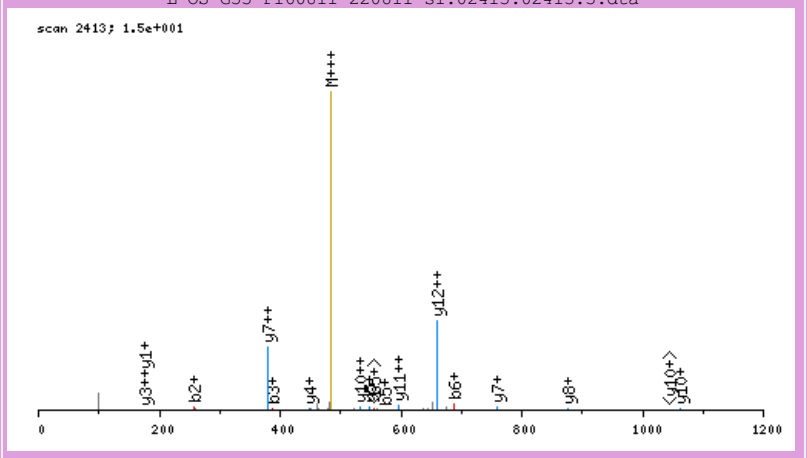
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
257.1501	2	E	11	1304.7327	**652.8702**
386.1927	3	E	10	1175.6901	**588.3489**
443.2142	4	G	9	1046.6475	**523.8276**
556.2982	5	L	8	989.6260	495.3169
693.3571	6	H	7	876.5419	**438.7749**
790.4099	7	P	6	**739.4830**	**370.2454**
918.4685	8	Q	5	**642.4303**	321.7190
1031.5525	9	I	4	**514.3717**	257.6898
1144.6366	10	I	3	**401.2876**	201.1477
1257.7207	11	I	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

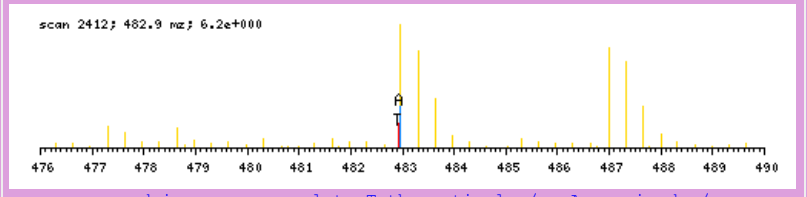
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEESVDGKVVSSR, MH+ 1446.7804, m/z 482.9317
L OS G33 P160811 220811-s1.02413.02413.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



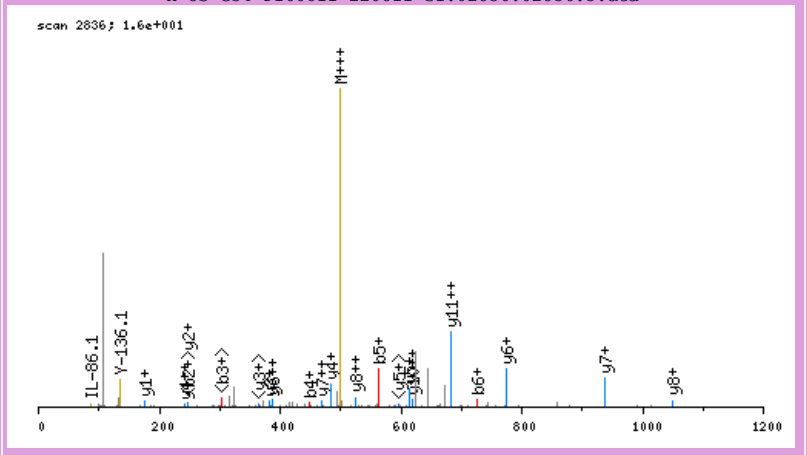
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
257.1501	2	E	12	1319.6807	660.3443
386.1927	3	E	11	1190.6381	595.8230
473.2247	4	S	10	1061.5955	531.3017
572.2931	5	V	9	974.5635	487.7857
687.3201	6	D	8	875.4951	438.2515
744.3415	7	G	7	760.4681	380.7380
900.4678	8	K	6	703.4467	352.2273
999.5363	9	V	5	547.3204	274.1641
1098.6047	10	V	4	448.2520	224.6299
1185.6367	11	S	3	349.1836	175.0957
1272.6687	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

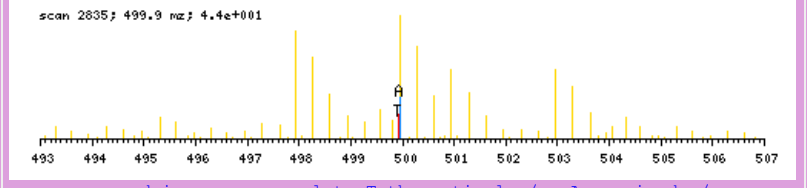
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEGELYCETHAR, MH+ 1497.7219, m/z 499.9122
H OS G34 P160811 220811-s1.02836.02836.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



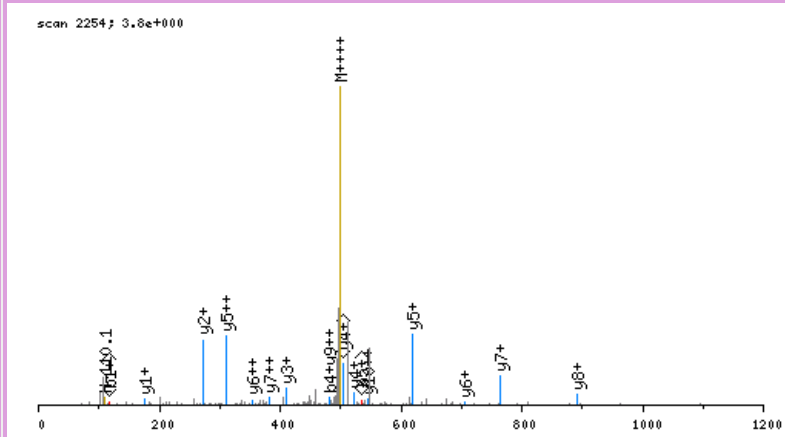
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	12		
263.1819	2	E	11	1364.5904	**682.7991**
320.2034	3	G	10	1235.5478	**618.2778**
449.2460	4	E	9	1178.5264	589.7671
562.3300	5	L	8	**1049.4838**	**525.2458**
725.3934	6	Y	7	**936.3997**	**468.7038**
885.4240	7	C	6	**773.3364**	**387.1721**
1014.4665	8	E	5	**613.3058**	307.1568
1115.5142	9	T	4	**484.2632**	**242.6355**
1252.5731	10	H	3	**383.2155**	192.1117
1323.6103	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

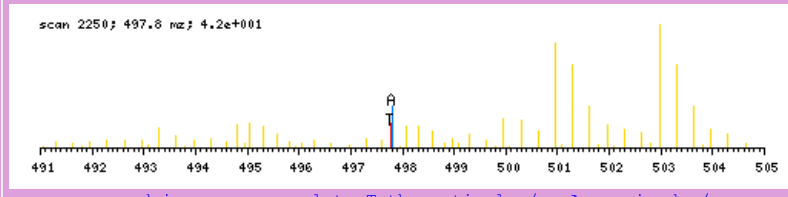
N-term:+35.07 C(7):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEKGAEAGSQAEGSPLHPR, MH+ 1988.0837, m/z 497.7764
H OS G34 P160811 220811-s1.02254.02254.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



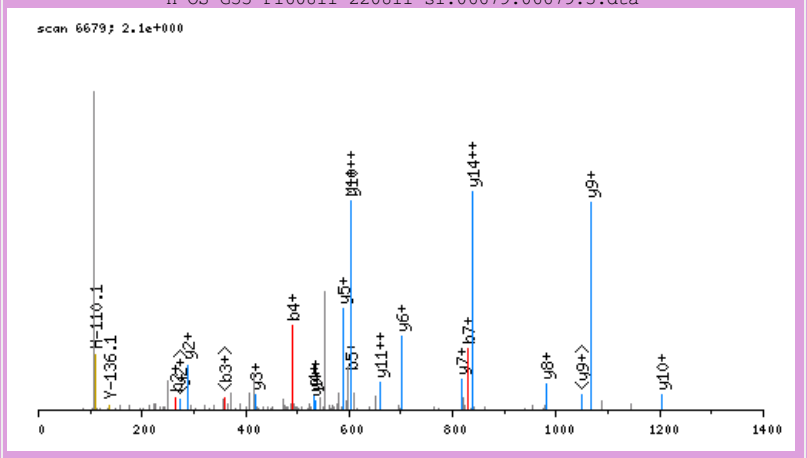
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	19		
263.1819	2	E	18	1854.9523	927.9800
425.3400	3	K	17	1725.9097	863.4587
482.3615	4	G	16	1563.7516	782.3797
553.3986	5	A	15	1506.7301	753.8690
682.4412	6	E	14	1435.6930	718.3504
753.4783	7	A	13	1306.6504	653.8291
810.4998	8	G	12	1235.6133	618.3105
897.5318	9	S	11	1178.5918	589.7998
1025.5904	10	Q	10	1091.5598	**546.2838**
1096.6275	11	A	9	963.5012	**482.2545**
1225.6701	12	E	8	**892.4641**	446.7360
1282.6915	13	G	7	**763.4215**	**382.2147**
1369.7236	14	S	6	**706.4000**	**353.7039**
1466.7763	15	P	5	**619.3680**	**310.1879**
1579.8604	16	L	4	**522.3152**	261.6615
1716.9193	17	H	3	**409.2312**	205.1195
1813.9721	18	P	2	**272.1723**	136.5900
	19	R	1	**175.1195**	88.0637

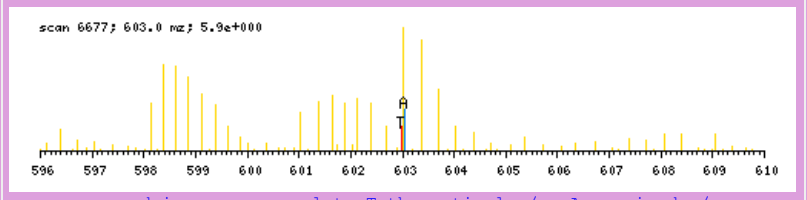
N-term:+35.07 K(3):+162.16

VELDLHSYDLGIENR, MH+ 1806.9450, m/z 602.9865
H OS G33 P160811 220811-s1.06679.06679.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



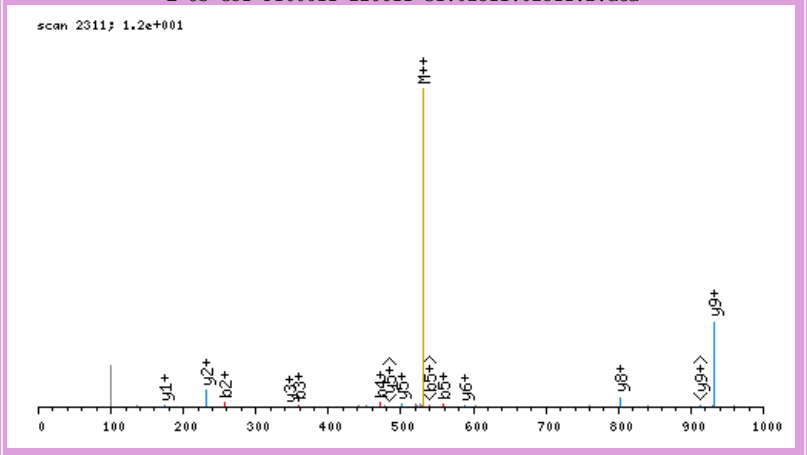
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
263.1819	2	E	14	1673.8135	**837.4107**
376.2660	3	L	13	1544.7709	772.8894
491.2929	4	D	12	1431.6868	716.3473
604.3770	5	L	11	1316.6599	**658.8339**
741.4359	6	H	10	**1203.5758**	**602.2918**
828.4679	7	S	9	**1066.5169**	**533.7624**
991.5312	8	Y	8	**979.4849**	490.2464
1106.5582	9	D	7	**816.4216**	408.7147
1219.6423	10	L	6	**701.3946**	351.2012
1276.6637	11	G	5	**588.3105**	294.6592
1389.7478	12	I	4	**531.2891**	266.1485
1518.7904	13	E	3	**418.2050**	209.6064
1632.8333	14	N	2	**289.1624**	145.0851
	15	R	1	175.1195	88.0637

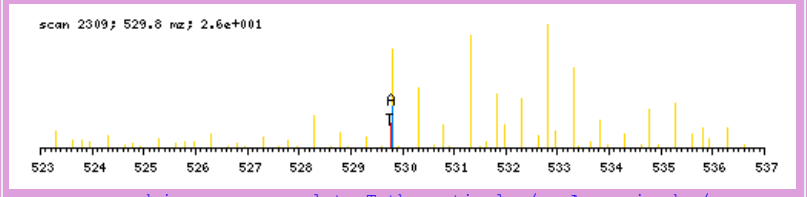
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VETISPGDGR, MH+ 1058.5482, m/z 529.7777
L OS G31 P160811 220811-s1.02311.02311.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



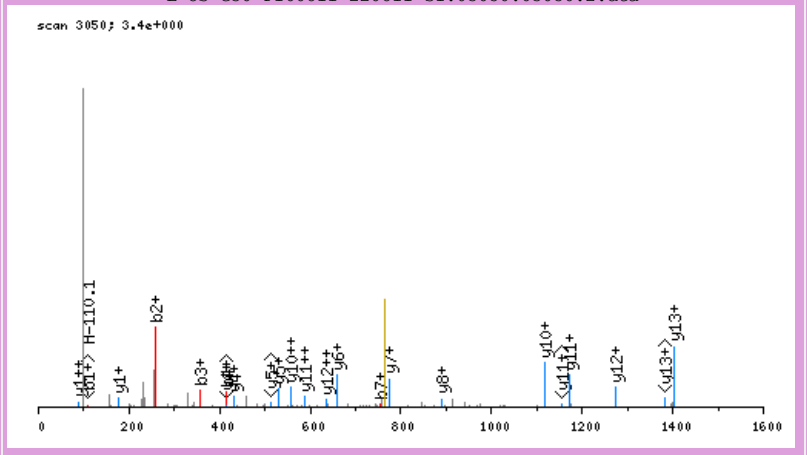
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	10		
257.1501	2	E	9	931.4485	466.2282
358.1978	3	T	8	802.4059	401.7069
471.2818	4	I	7	701.3582	351.1830
558.3139	5	S	6	588.2742	294.6410
655.3666	6	P	5	501.2421	251.1250
712.3881	7	G	4	404.1894	202.5986
827.4150	8	D	3	347.1679	174.0879
884.4365	9	G	2	232.1410	116.5744
	10	R	1	175.1195	88.0637

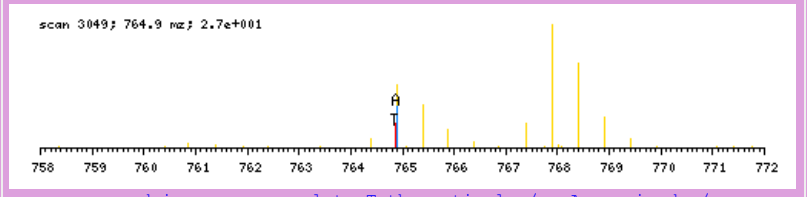
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VEVGPEDDEVGAER, MH+ 1528.7131, m/z 764.8602
L OS G30 P160811 220811-s1.03050.03050.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



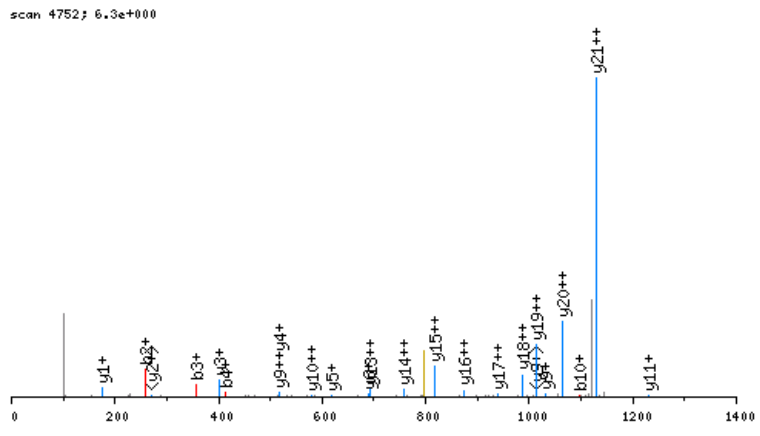
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
257.1501	2	E	13	1401.6134	701.3106
356.2185	3	V	12	1272.5708	636.7893
413.2400	4	G	11	1173.5024	587.2551
510.2927	5	P	10	1116.4809	558.7444
639.3353	6	E	9	1019.4282	510.2180
754.3623	7	D	8	890.3856	445.6967
869.3892	8	D	7	775.3586	388.1832
998.4318	9	E	6	660.3317	330.6698
1097.5002	10	V	5	531.2891	266.1485
1154.5217	11	G	4	432.2207	216.6142
1225.5588	12	A	3	375.1992	188.1035
1354.6014	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

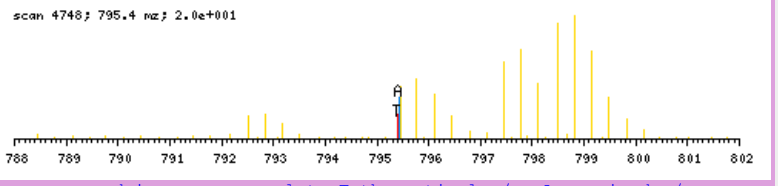
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VEVGPEDDEVGAERGEATDLLR, MH+ 2384.1581, m/z 795.3909
L OS G32 P160811 220811-s1.04752.04752.3.dta



click image to zoom in; click top corners to zoom out [precursor+]



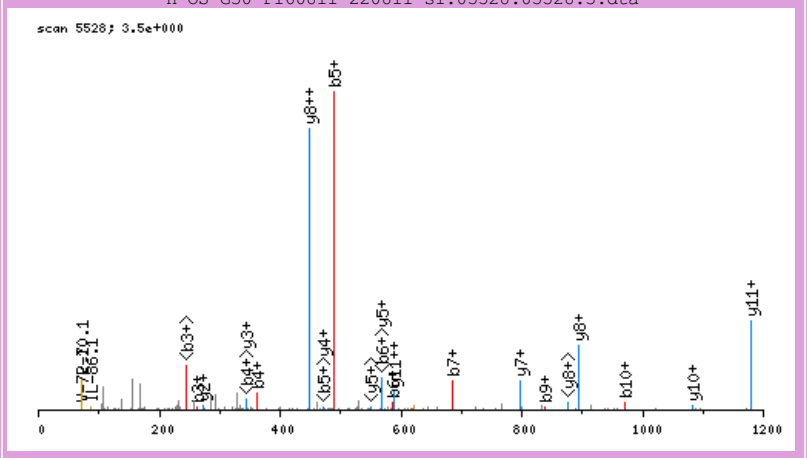
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
257.1501	2	E	21	2257.0584	1129.0331
356.2185	3	V	20	2128.0158	1064.5118
413.2400	4	G	19	2028.9474	1014.9776
510.2927	5	P	18	1971.9260	986.4669
639.3353	6	E	17	1874.8732	937.9405
754.3623	7	D	16	1745.8306	873.4192
869.3892	8	D	15	1630.8037	815.9057
998.4318	9	E	14	1515.7767	758.3923
1097.5002	10	V	13	1386.7341	693.8710
1154.5217	11	G	12	1287.6657	644.3368
1225.5588	12	A	11	1230.6442	615.8260
1354.6014	13	E	10	1159.6071	580.3075
1510.7025	14	R	9	1030.5645	515.7862
1567.7240	15	G	8	874.4634	437.7356
1696.7666	16	E	7	817.4420	409.2249
1767.8037	17	A	6	688.3994	344.7036
1868.8514	18	T	5	617.3623	309.1850
1983.8783	19	D	4	516.3146	258.6612
2096.9624	20	L	3	401.2876	201.1477
2210.0464	21	L	2	288.2036	144.6057
	22	R	1	175.1195	88.0637

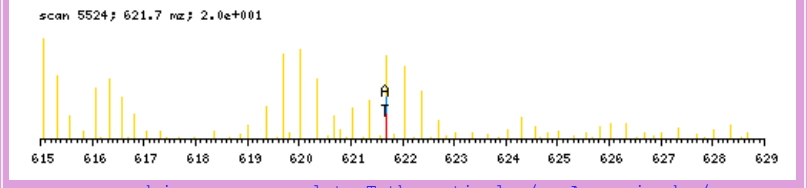
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGAVQPVPGMPPMPQAPR, MH+ 1863.0197, m/z 621.6781
H OS G30 P160811 220811-s1.05528.05528.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



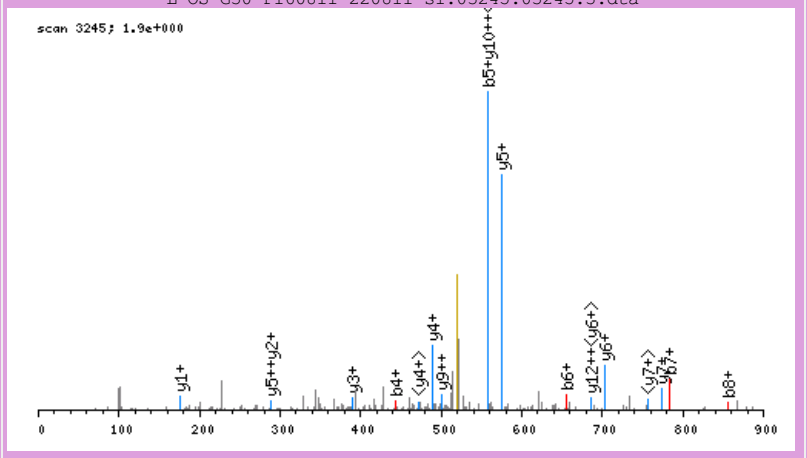
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	18		
191.1608	2	G	17	1729.8882	865.4480
262.1979	3	A	16	1672.8667	836.9373
361.2663	4	V	15	1601.8296	801.4187
489.3249	5	Q	14	1502.7612	751.8845
586.3776	6	P	13	1374.7026	687.8552
685.4461	7	V	12	1277.6499	639.3288
782.4988	8	P	11	**1178.5814**	**589.7946**
839.5203	9	G	10	**1081.5287**	541.2683
970.5608	10	M	9	1024.5072	512.7575
1067.6135	11	P	8	**893.4667**	**447.2373**
1164.6663	12	P	7	**796.4140**	398.7109
1295.7068	13	M	6	699.3612	350.1845
1392.7595	14	P	5	**568.3207**	284.6643
1520.8181	15	Q	4	**471.2680**	236.1379
1591.8552	16	A	3	**343.2094**	172.1086
1688.9080	17	P	2	**272.1723**	136.5900
	18	R	1	175.1195	88.0637

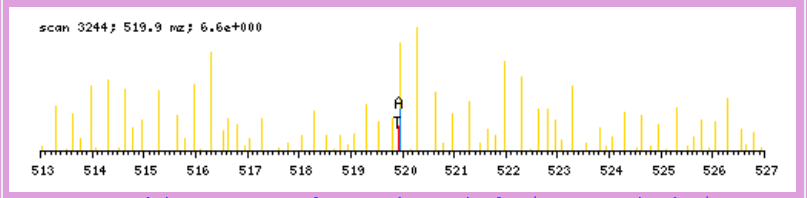
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGEEDPEAQSVTLR, MH+ 1557.7760, m/z 519.9302
L OS G30 P160811 220811-s1.03245.03245.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



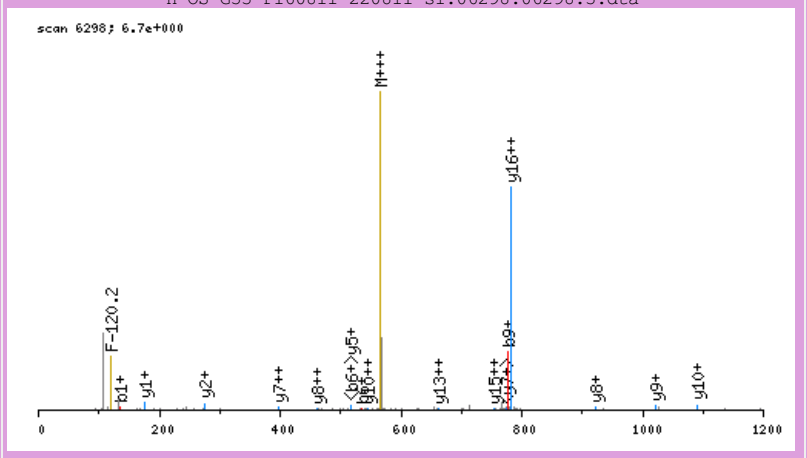
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
185.1290	2	G	13	1430.6763	715.8421
314.1716	3	E	12	1373.6549	**687.3313**
443.2142	4	E	11	1244.6123	622.8100
558.2411	5	D	10	1115.5697	**558.2888**
655.2939	6	P	9	1000.5427	**500.7753**
784.3365	7	E	8	903.4900	452.2489
855.3736	8	A	7	**774.4474**	387.7276
983.4322	9	Q	6	**703.4103**	352.2090
1070.4642	10	S	5	**575.3517**	**288.1798**
1169.5326	11	V	4	**488.3197**	244.6637
1270.5803	12	T	3	**389.2512**	195.1295
1383.6643	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

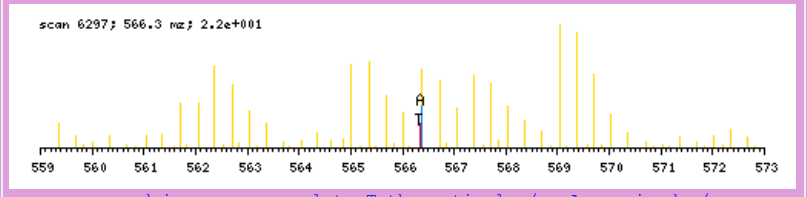
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a 1+ 2+ 3+
b 1+ 2+ 3+
c 1+ 2+ 3+
x 1+ 2+ 3+
y 1+ 2+ 3+
z 1+ 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGGEASAAVEKLVSGVR, MH+ 1697.0234, m/z 566.3460
H OS G33 P160811 220811-s1.06298.06298.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



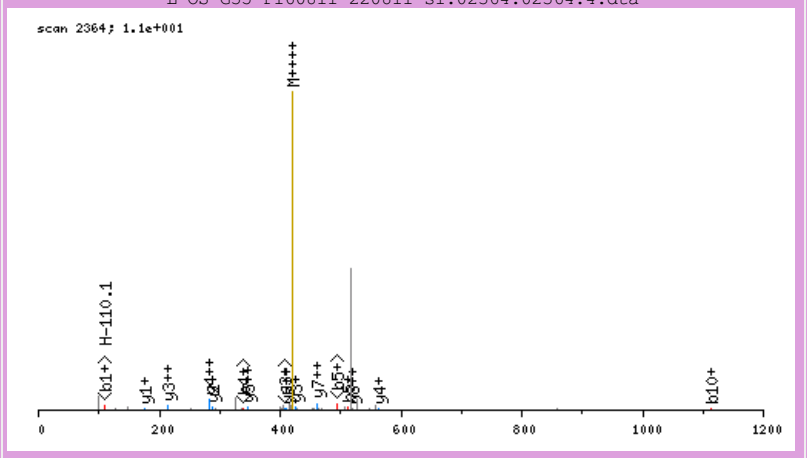
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	17		
191.1608	2	G	16	1563.8919	782.4499
248.1822	3	G	15	1506.8704	753.9391
377.2248	4	E	14	1449.8490	725.4284
448.2619	5	A	13	1320.8064	660.9071
535.2940	6	S	12	1249.7692	625.3885
606.3311	7	A	11	1162.7372	581.8725
677.3682	8	A	10	1091.7001	546.3540
776.4366	9	V	9	1020.6630	510.8354
905.4792	10	E	8	921.5946	461.3012
1067.6373	11	K	7	792.5520	396.7799
1180.7214	12	L	6	630.3939	315.7009
1279.7898	13	V	5	517.3098	259.1588
1366.8218	14	S	4	418.2414	209.6246
1423.8433	15	G	3	331.2094	166.1086
1522.9117	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

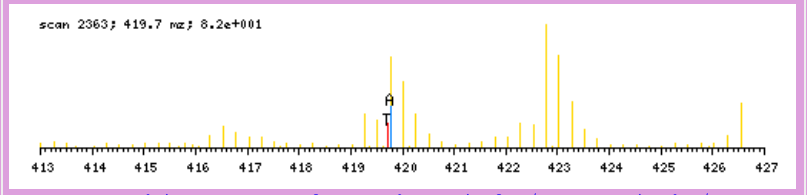
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGGIKEDTEEHHLR, MH+ 1675.8768, m/z 419.7246
L OS G35 P160811 220811-s1.02364.02364.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



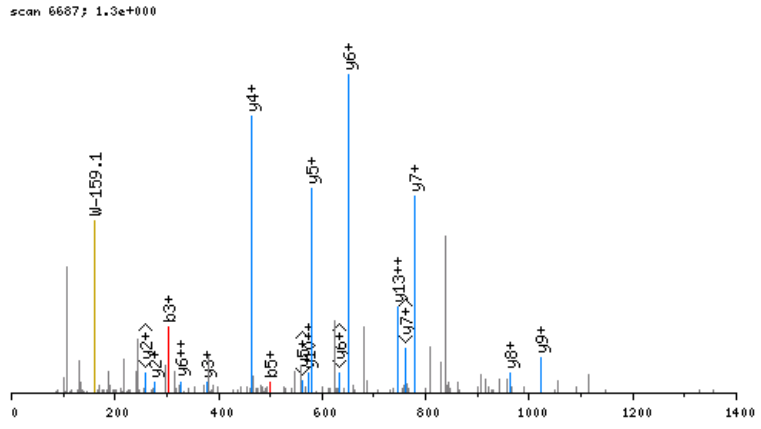
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
185.1290	2	G	13	1548.7771	774.8925
242.1504	3	G	12	1491.7556	746.3817
355.2345	4	I	11	1434.7342	717.8710
511.3608	5	K	10	1321.6501	661.3290
640.4034	6	E	9	1165.5238	583.2658
755.4303	7	D	8	1036.4812	**518.7445**
856.4780	8	T	7	921.4543	**461.2310**
985.5206	9	E	6	820.4066	**410.7072**
1114.5632	10	E	5	691.3640	**346.1859**
1251.6221	11	H	4	**562.3214**	**281.6646**
1388.6810	12	H	3	**425.2625**	**213.1352**
1501.7651	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

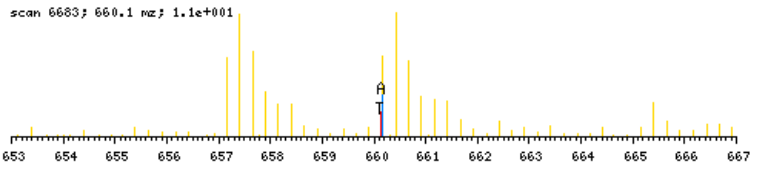
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGLPVEEAVKGVLEQGWQADSTTR, MH+ 2637.4524, m/z 660.1186
H OS G32 P160811 220811-s1.06687.06687.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



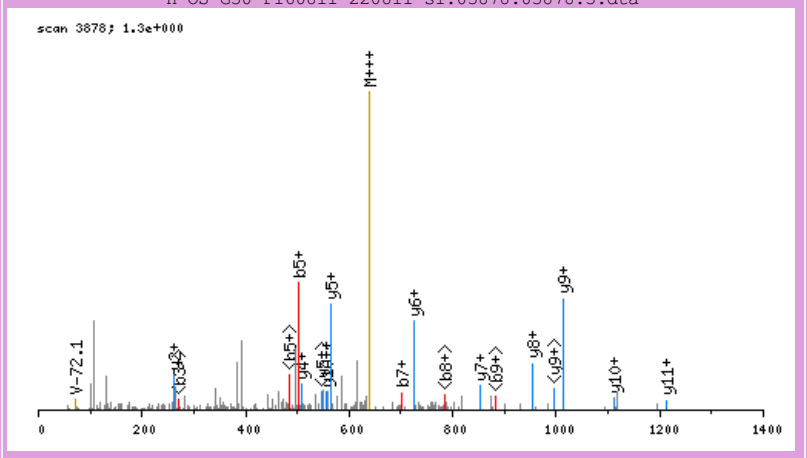
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	24		
191.1608	2	G	23	2504.3209	1252.6644
304.2448	3	L	22	2447.2995	1224.1536
401.2976	4	P	21	2334.2154	1167.6116
500.3660	5	V	20	2237.1626	1119.0852
629.4086	6	E	19	2138.0942	1069.5510
758.4512	7	E	18	2009.0516	1005.0297
829.4883	8	A	17	1880.0090	940.5084
928.5567	9	V	16	1808.9719	904.9899
1090.7148	10	K	15	1709.9035	855.4557
1147.7363	11	G	14	1547.7454	774.3766
1246.8047	12	V	13	1490.7239	**745.8659**
1359.8888	13	L	12	1391.6555	696.3317
1488.9314	14	E	11	1278.5715	639.7896
1616.9899	15	Q	10	1149.5289	**575.2683**
1674.0114	16	G	9	**1021.4703**	511.2391
1860.0907	17	W	8	**964.4488**	482.7283
1988.1493	18	Q	7	**778.3695**	389.6887
2059.1864	19	A	6	**650.3109**	**325.6594**
2174.2134	20	D	5	**579.2738**	290.1408
2261.2454	21	S	4	**464.2469**	232.6274
2362.2931	22	T	3	**377.2149**	189.1113
2463.3407	23	T	2	**276.1672**	138.5875
	24	R	1	175.1195	88.0637

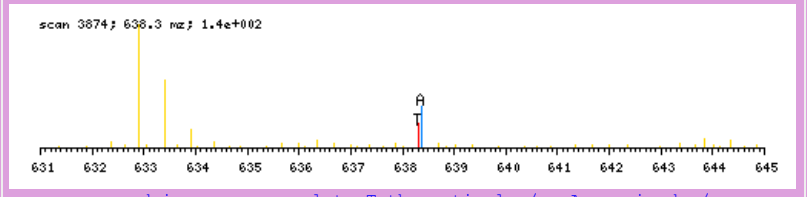
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGPSQPTTVGTECGFVSR, MH+ 1912.9650, m/z 638.3265
H OS G30 P160811 220811-s1.03878.03878.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



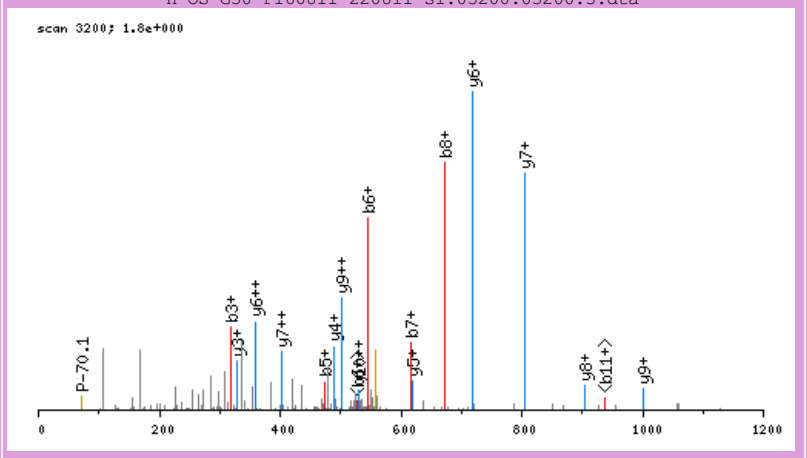
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	18		
191.1608	2	G	17	1779.8335	890.4207
288.2135	3	P	16	1722.8121	861.9099
375.2456	4	S	15	1625.7593	813.3836
503.3041	5	Q	14	1538.7273	769.8675
600.3569	6	P	13	1410.6687	705.8383
701.4046	7	T	12	1313.6159	657.3119
802.4523	8	T	11	**1212.5682**	606.7880
901.5207	9	V	10	**1111.5206**	**556.2642**
958.5421	10	G	9	**1012.4522**	506.7300
1059.5898	11	T	8	**955.4307**	478.2193
1188.6324	12	E	7	**854.3830**	427.6954
1348.6630	13	C	6	**725.3404**	363.1741
1405.6845	14	G	5	**565.3098**	283.1588
1552.7529	15	F	4	**508.2884**	254.6481
1651.8213	16	V	3	361.2199	181.1139
1738.8533	17	S	2	**262.1515**	131.5797
	18	R	1	175.1195	88.0637

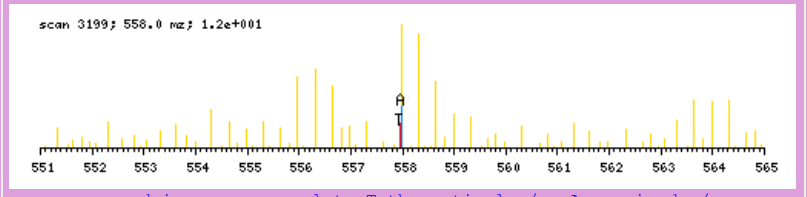
N-term:+35.07 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGQPGAAGPVSPMCPGR, MH+ 1671.8522, m/z 557.9556
H OS G30 P160811 220811-s1.03200.03200.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



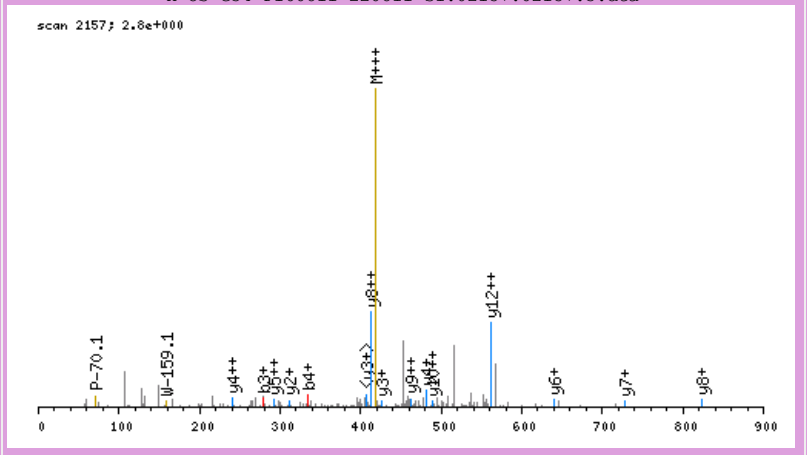
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	17		
191.1608	2	G	16	1538.7207	769.8643
319.2194	3	Q	15	1481.6993	741.3536
416.2721	4	P	14	1353.6407	677.3243
473.2936	5	G	13	1256.5879	628.7979
544.3307	6	A	12	1199.5665	600.2871
615.3678	7	A	11	1128.5294	564.7686
672.3893	8	G	10	1057.4922	**529.2500**
769.4420	9	P	9	**1000.4708**	**500.7393**
868.5105	10	V	8	**903.4180**	452.2129
955.5425	11	S	7	**804.3496**	**402.6787**
1052.5952	12	P	6	**717.3176**	**359.1627**
1183.6357	13	M	5	**620.2648**	310.6363
1343.6663	14	C	4	**489.2243**	245.1161
1440.7191	15	P	3	**329.1937**	165.1008
1497.7406	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

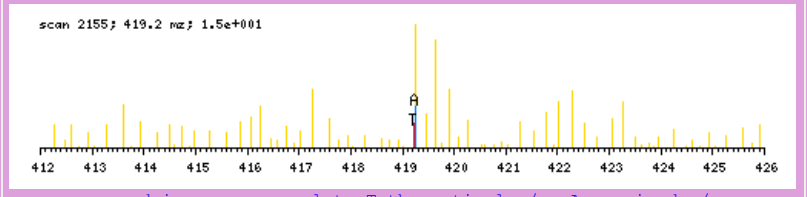
N-term:+35.07 C(14):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGSGPPSGTGLHR, MH+ 1255.6971, m/z 419.2372
H OS G34 P160811 220811-s1.02157.02157.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



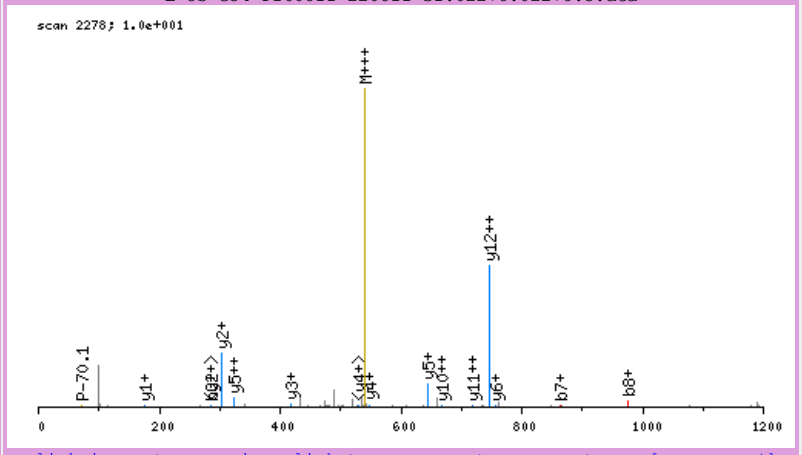
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
191.1608	2	G	12	1122.5656	**561.7867**
278.1928	3	S	11	1065.5441	533.2760
335.2143	4	G	10	978.5121	**489.7600**
432.2670	5	P	9	921.4906	**461.2492**
529.3198	6	P	8	**824.4379**	**412.7228**
616.3518	7	S	7	**727.3851**	364.1965
673.3733	8	G	6	**640.3531**	320.6805
774.4210	9	T	5	583.3316	**292.1697**
831.4424	10	G	4	**482.2839**	**241.6459**
944.5265	11	L	3	**425.2625**	213.1352
1081.5854	12	H	2	**312.1784**	156.5931
	13	R	1	175.1195	88.0637

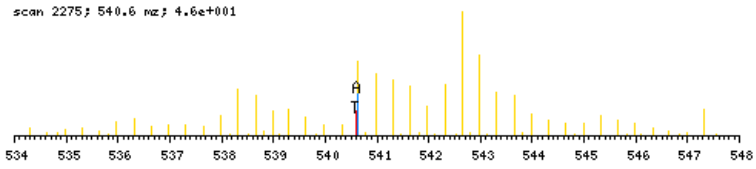
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VGTKCCTLPEDQR, MH+ 1619.7885, m/z 540.6010
L OS G34 P160811 220811-s1.02278.02278.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



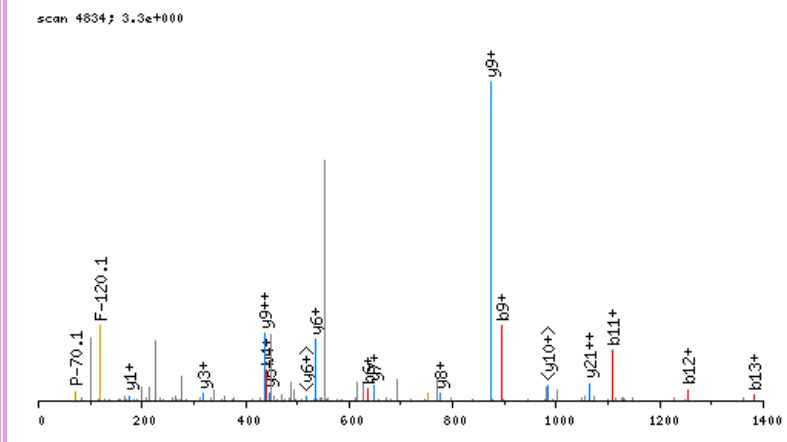
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
185.1290	2	G	12	1492.6888	**746.8483**
286.1767	3	T	11	1435.6673	**718.3376**
442.3030	4	K	10	1334.6196	**667.8137**
602.3336	5	C	9	1178.4933	589.7506
762.3642	6	C	8	1018.4627	509.7353
863.4118	7	T	7	858.4321	429.7200
976.4959	8	L	6	**757.3844**	379.1961
1073.5487	9	P	5	**644.3004**	**322.6541**
1202.5913	10	E	4	**547.2476**	274.1277
1317.6182	11	D	3	**418.2050**	209.6064
1445.6768	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

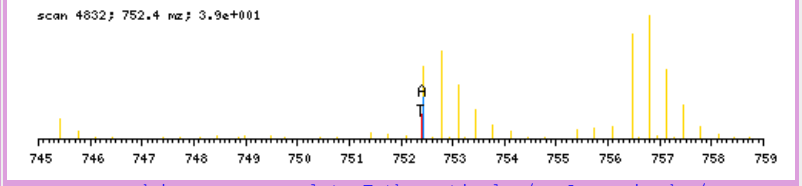
N-term:+29.04 K(4):+156.13
C(5):+160.03 C(6):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VGVKPVGSDPDFQPELSGAGSR, MH+ 2255.1672, m/z 752.3939
L OS G33 P160811 220811-s1.04834.04834.3.dta



click image to zoom in; click top corners to zoom out [precursor]



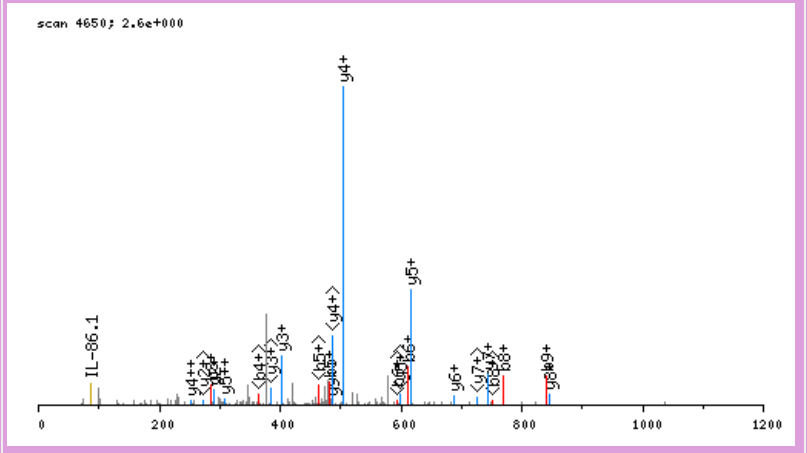
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
185.1290	2	G	21	2128.0675	**1064.5377**
284.1974	3	V	20	2071.0460	1036.0269
440.3237	4	K	19	1971.9776	986.4927
537.3765	5	P	18	1815.8513	908.4296
636.4449	6	V	17	1718.7986	859.9032
693.4663	7	G	16	1619.7302	810.3690
780.4984	8	S	15	1562.7087	781.8583
895.5253	9	D	14	1475.6767	738.3422
992.5781	10	P	13	1360.6497	680.8288
1107.6050	11	D	12	1263.5970	632.3024
1254.6734	12	F	11	1148.5700	574.7889
1382.7320	13	Q	10	1001.5016	501.2547
1479.7848	14	P	9	**873.4430**	**437.2254**
1608.8274	15	E	8	**776.3903**	388.6990
1721.9114	16	L	7	**647.3477**	324.1777
1808.9435	17	S	6	**534.2636**	267.6357
1865.9649	18	G	5	**447.2316**	224.1197
1937.0020	19	A	4	390.2101	195.6090
1994.0235	20	G	3	**319.1730**	160.0904
2081.0555	21	S	2	262.1515	131.5797
	22	R	1	**175.1195**	88.0637

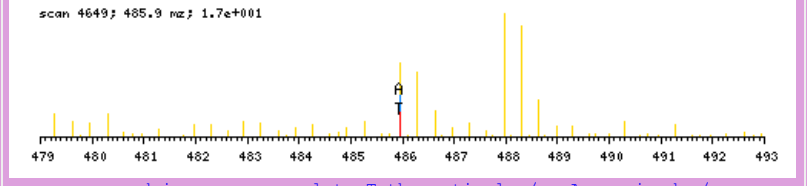
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VGVPTETGALTLNR, MH+ 1455.8171, m/z 485.9439
L OS G30 P160811 220811-s1.04650.04650.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



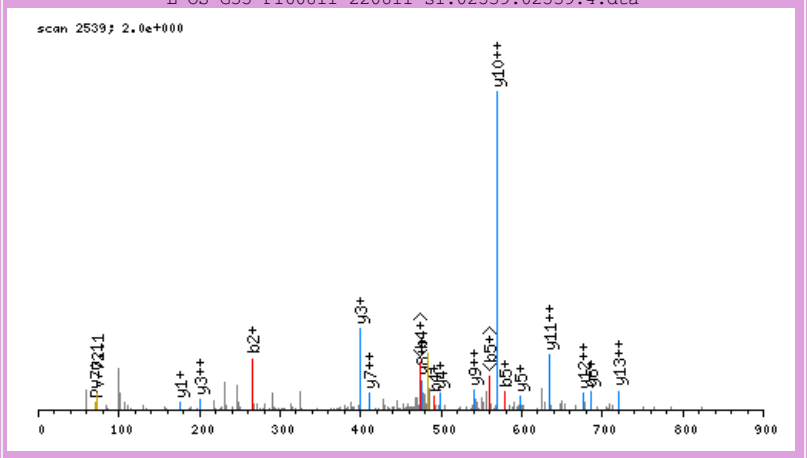
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
185.1290	2	G	13	1328.7174	664.8626
284.1974	3	V	12	1271.6959	636.3519
381.2502	4	P	11	1172.6275	586.8177
482.2978	5	T	10	1075.5748	538.2913
611.3404	6	E	9	974.5271	**487.7675**
712.3881	7	T	8	**845.4845**	423.2462
769.4096	8	G	7	**744.4368**	372.7223
840.4467	9	A	6	**687.4153**	344.2116
953.5307	10	L	5	**616.3782**	**308.6930**
1054.5784	11	T	4	**503.2942**	**252.1510**
1167.6625	12	L	3	**402.2465**	201.6272
1281.7054	13	N	2	**289.1624**	145.0851
	14	R	1	175.1195	88.0637

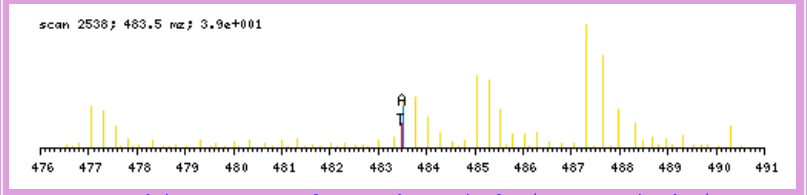
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VHPESSEGEEHSVVPQR, MH+ 1930.9259, m/z 483.4869
L OS G35 P160811 220811-s1.02539.02539.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



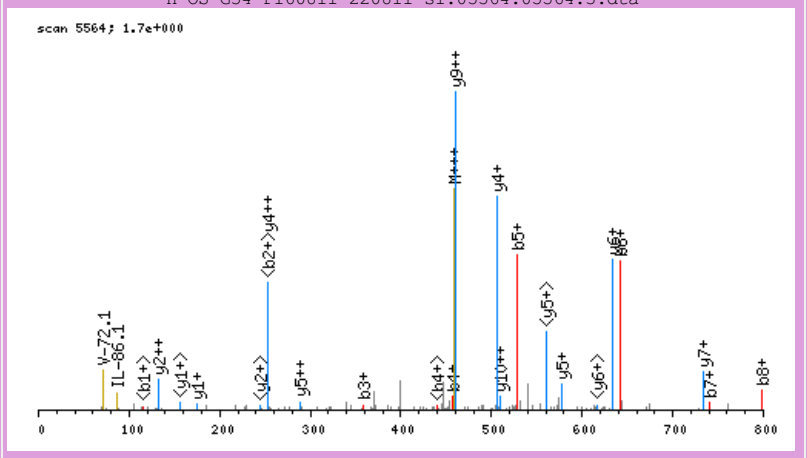
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
265.1664	2	H	16	1803.8262	902.4170
362.2192	3	P	15	1666.7673	833.8875
491.2618	4	E	14	1569.7145	785.3612
578.2938	5	S	13	1440.6719	**720.8399**
665.3258	6	S	12	1353.6399	**677.3239**
794.3684	7	E	11	1266.6079	**633.8078**
851.3899	8	G	10	1137.5653	**569.2865**
980.4325	9	E	9	1080.5438	**540.7758**
1109.4751	10	E	8	951.5012	**476.2545**
1246.5340	11	H	7	822.4586	**411.7332**
1333.5660	12	S	6	**685.3997**	343.2038
1432.6344	13	V	5	**598.3677**	299.6877
1531.7029	14	V	4	**499.2993**	250.1535
1628.7556	15	P	3	**400.2308**	**200.6193**
1756.8142	16	Q	2	303.1781	152.0930
	17	R	1	**175.1195**	88.0637

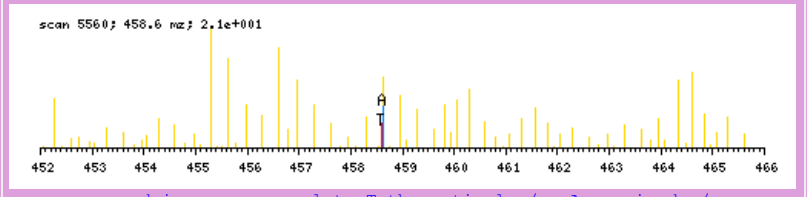
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VHSVAIVGAPFSR, MH+ 1373.8117, m/z 458.6088
H OS G34 P160811 220811-s1.05564.05564.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



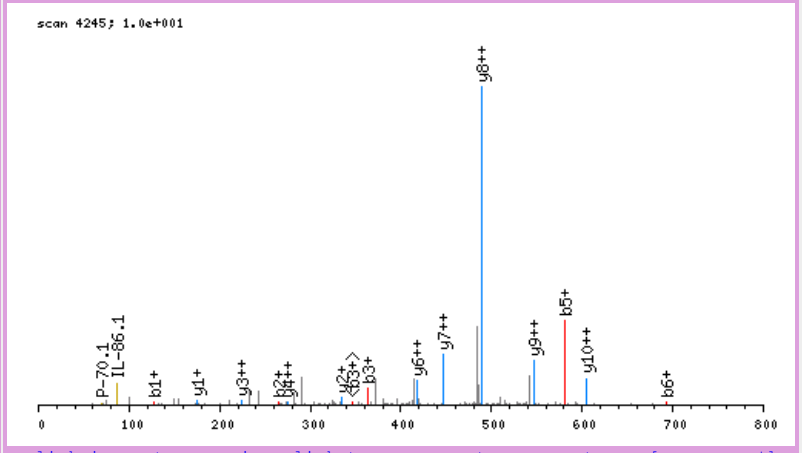
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
271.1982	2	H	12	1240.6802	620.8440
358.2303	3	S	11	1103.6213	552.3146
457.2987	4	V	10	1016.5893	**508.7986**
528.3358	5	A	9	917.5209	**459.2644**
641.4198	6	I	8	846.4838	423.7458
740.4883	7	V	7	**733.3997**	367.2038
797.5097	8	G	6	**634.3313**	317.6696
868.5468	9	A	5	**577.3098**	**289.1588**
965.5996	10	P	4	**506.2727**	**253.6403**
1112.6680	11	F	3	409.2199	205.1139
1199.7000	12	S	2	262.1515	**131.5797**
	13	R	1	**175.1195**	88.0637

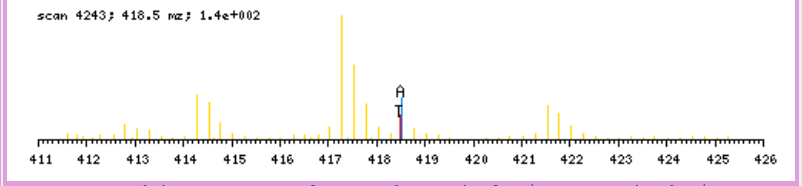
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VHVTDLSGKETICR, MH+ 1670.8899, m/z 418.4779
L OS G35 P160811 220811-s1.04245.04245.4.dta



click image to zoom in; click top corners to zoom out [precursor]



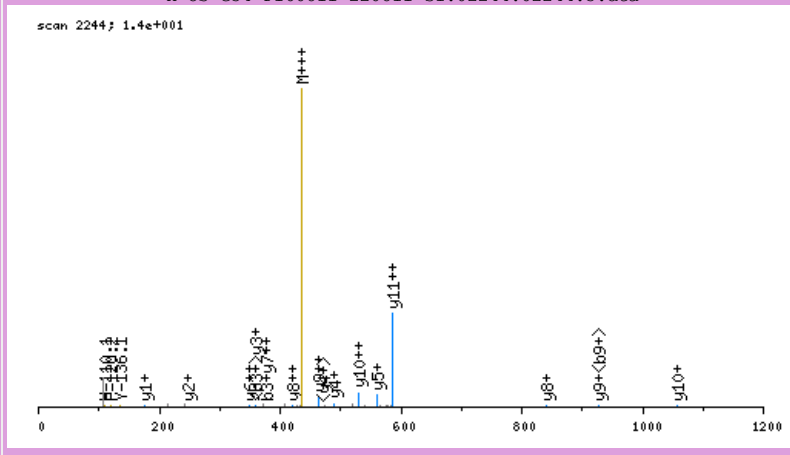
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	**1**	**V**	**14**		
265.1664	**2**	**H**	**13**	1543.7902	772.3990
364.2348	**3**	**V**	**12**	1406.7313	703.8696
465.2825	**4**	**T**	**11**	1307.6629	654.3354
580.3095	**5**	**D**	**10**	1206.6152	**603.8115**
693.3935	**6**	**L**	**9**	1091.5883	**546.2981**
780.4256	**7**	**S**	**8**	978.5042	**489.7560**
837.4470	**8**	**G**	**7**	891.4722	**446.2400**
993.5733	**9**	**K**	**6**	834.4507	**417.7293**
1122.6159	**10**	**E**	**5**	678.3244	339.6661
1223.6636	**11**	**T**	**4**	549.2818	**275.1448**
1336.7477	**12**	**I**	**3**	448.2342	**224.6210**
1496.7783	**13**	**C**	**2**	**335.1501**	168.0790
	14	**R**	**1**	**175.1195**	88.0637

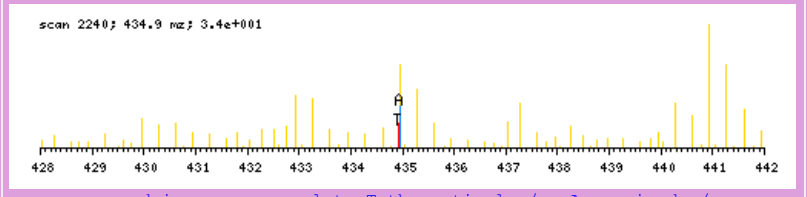
N-term:+29.04 K(9):+156.13
C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VIESSGHAELAR, MH+ 1302.7230, m/z 434.9125
H OS G34 P160811 220811-s1.02244.02244.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



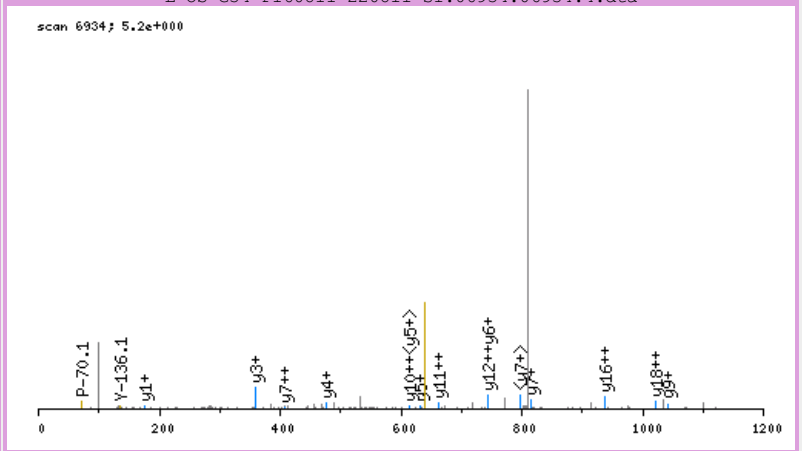
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	12		
247.2234	2	I	11	1169.5915	**585.2997**
376.2660	3	E	10	**1056.5074**	**528.7576**
463.2980	4	S	9	**927.4648**	**464.2363**
550.3300	5	S	8	**840.4328**	**420.7203**
607.3515	6	G	7	753.4008	**377.2043**
744.4104	7	H	6	696.3793	**348.6936**
815.4475	8	A	5	**559.3204**	280.1641
944.4901	9	E	4	**488.2833**	244.6455
1057.5742	10	L	3	**359.2407**	180.1243
1128.6113	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

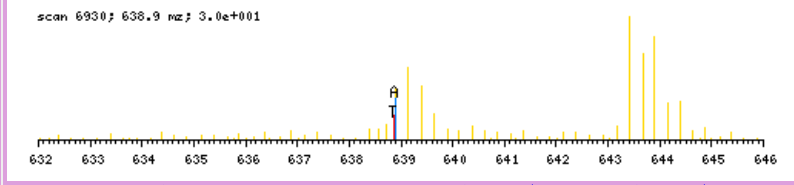
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VIGGKPANVGDYPWQVAIKDGQR, MH+ 2552.3990, m/z 638.8552
L OS G34 P160811 220811-s1.06934.06934.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



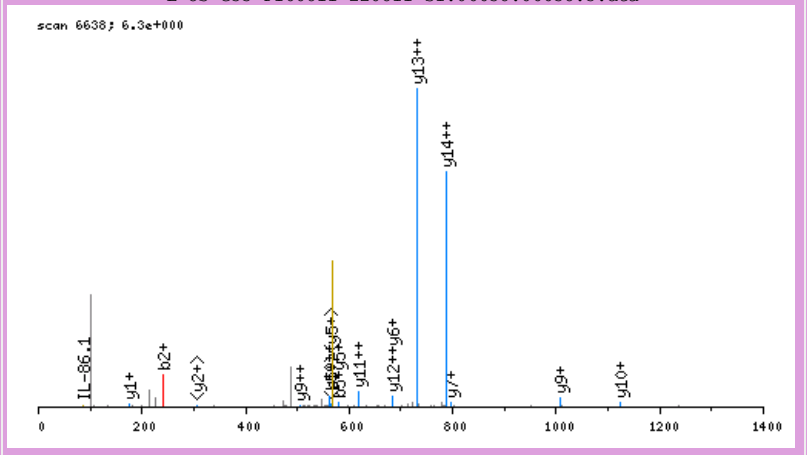
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
241.1916	2	I	22	2425.2993	1213.1536
298.2130	3	G	21	2312.2152	1156.6115
355.2345	4	G	20	2255.1937	1128.1008
511.3608	5	K	19	2198.1723	1099.5901
608.4136	6	P	18	2042.0460	**1021.5269**
679.4507	7	A	17	1944.9932	973.0005
793.4936	8	N	16	1873.9561	**937.4820**
892.5620	9	V	15	1759.9132	880.4605
949.5835	10	G	14	1660.8448	830.9263
1064.6104	11	D	13	1603.8233	802.4156
1227.6738	12	Y	12	1488.7964	**744.9021**
1324.7265	13	P	11	1325.7330	**663.3704**
1510.8058	14	W	10	1228.6803	**614.8440**
1638.8644	15	Q	9	**1042.6010**	521.8044
1737.9328	16	V	8	914.5424	457.7751
1808.9699	17	A	7	**815.4740**	**408.2409**
1922.0540	18	I	6	**744.4368**	372.7223
2078.1803	19	K	5	**631.3528**	316.1803
2193.2072	20	D	4	**475.2265**	238.1172
2250.2287	21	G	3	**360.1995**	180.6037
2378.2873	22	Q	2	303.1781	152.0930
	23	R	1	**175.1195**	88.0637

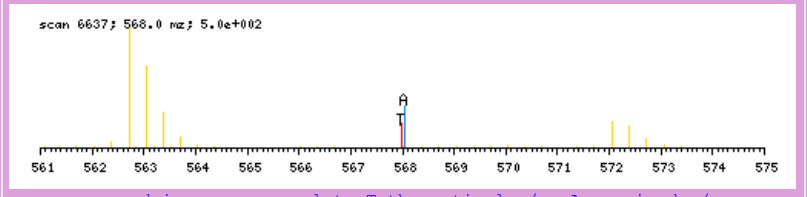
N-term:+29.04 K(5):+156.13
K(19):+156.13

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

VIPELNGKLTGMAFR, MH+ 1701.9726, m/z 567.9957
L OS G33 P160811 220811-s1.06638.06638.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



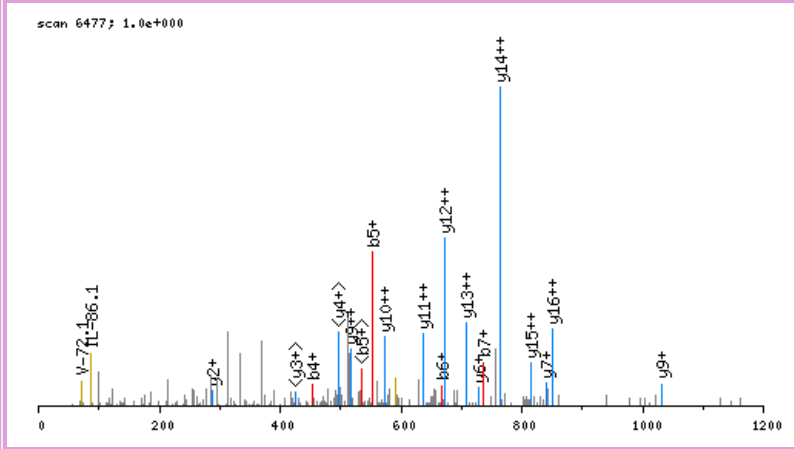
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
241.1916	2	I	14	1574.8729	**787.9404**
338.2443	3	P	13	1461.7888	**731.3983**
467.2869	4	E	12	1364.7361	**682.8719**
580.3710	5	L	11	1235.6935	**618.3506**
694.4139	6	N	10	**1122.6094**	**561.8086**
751.4354	7	G	9	**1008.5665**	**504.7872**
907.5617	8	K	8	951.5450	476.2764
1020.6458	9	L	7	**795.4187**	398.2133
1121.6934	10	T	6	**682.3347**	341.6712
1178.7149	11	G	5	**581.2870**	291.1474
1309.7554	12	M	4	524.2655	262.6367
1380.7925	13	A	3	393.2250	197.1164
1527.8609	14	F	2	322.1879	161.5979
	15	R	1	**175.1195**	88.0637

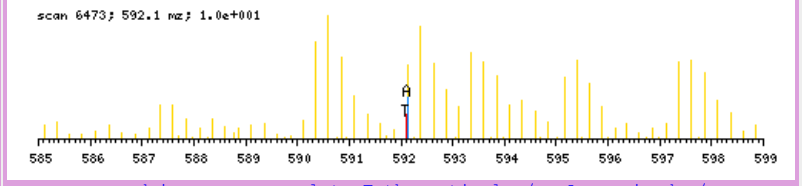
N-term:+29.04 K(8):+156.13

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VIPNTLAVNAAQDSTDLVAKLR, MH+ 2365.3455, m/z 592.0918
L OS G32 P160811 220811-s1.06477.06477.4.dta



click image to zoom in; click top corners to zoom out [precursor]



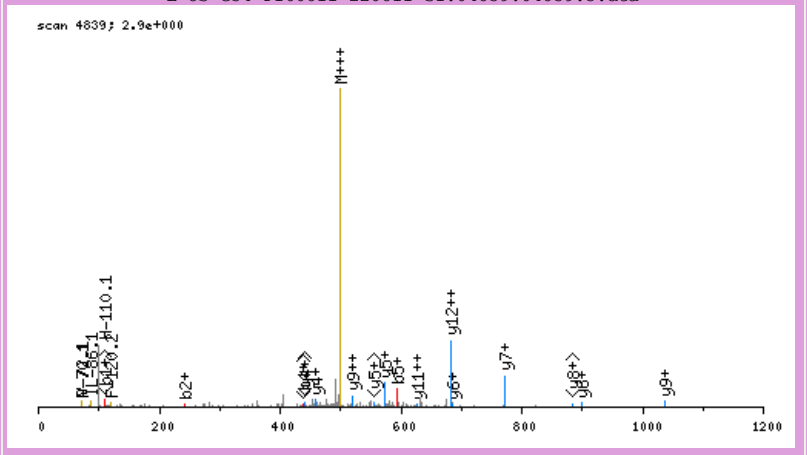
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
241.1916	2	I	21	2238.2458	1119.6268
338.2443	3	P	20	2125.1617	1063.0848
452.2873	4	N	19	2028.1090	1014.5584
553.3349	5	T	18	1914.0661	957.5369
666.4190	6	L	17	1813.0184	907.0131
737.4561	7	A	16	1699.9343	**850.4711**
836.5245	8	V	15	1628.8972	**814.9525**
950.5675	9	N	14	1529.8288	**765.4183**
1021.6046	10	A	13	1415.7859	**708.3968**
1092.6417	11	A	12	1344.7487	**672.8783**
1220.7003	12	Q	11	1273.7116	**637.3597**
1335.7272	13	D	10	1145.6530	**573.3304**
1422.7592	14	S	9	**1030.6261**	**515.8170**
1523.8069	15	T	8	943.5941	472.3010
1638.8339	16	D	7	**842.5464**	421.7771
1751.9179	17	L	6	**727.5195**	364.2636
1850.9863	18	V	5	614.4354	307.7216
1922.0235	19	A	4	515.3670	258.1874
2078.1498	20	K	3	444.3299	222.6688
2191.2338	21	L	2	**288.2036**	144.6057
	22	R	1	175.1195	88.0637

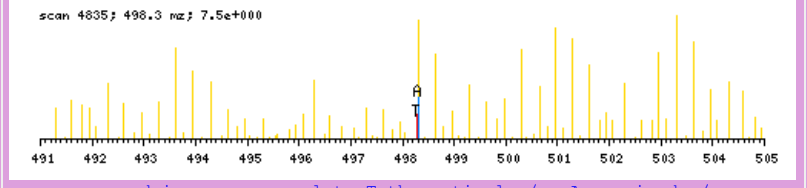
N-term:+29.04 K(20):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VISQHQSLLGNIR, MH+ 1492.8600, m/z 498.2915
L OS G34 P160811 220811-s1.04839.04839.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



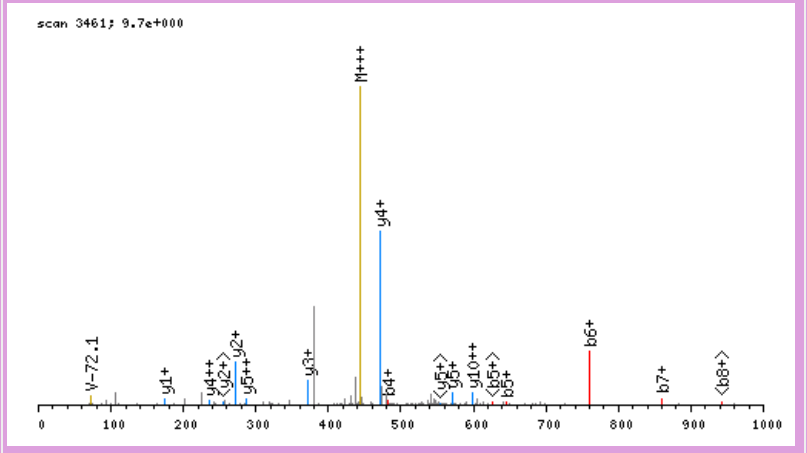
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
241.1916	2	I	12	1365.7603	**683.3840**
328.2236	3	S	11	1252.6762	**626.8420**
456.2822	4	Q	10	1165.6442	583.3260
593.3411	5	H	9	**1037.5856**	**519.2967**
721.3997	6	Q	8	**900.5267**	450.7673
808.4317	7	S	7	**772.4681**	386.7380
921.5158	8	L	6	**685.4361**	343.2220
1034.5998	9	L	5	**572.3520**	286.6799
1091.6213	10	G	4	**459.2680**	230.1379
1205.6642	11	N	3	402.2465	201.6272
1318.7483	12	I	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

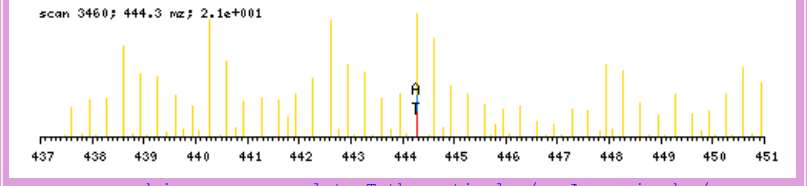
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VKGEYDVTVPR, MH+ 1330.8007, m/z 444.2717
H OS G34 P160811 220811-s1.03461.03461.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



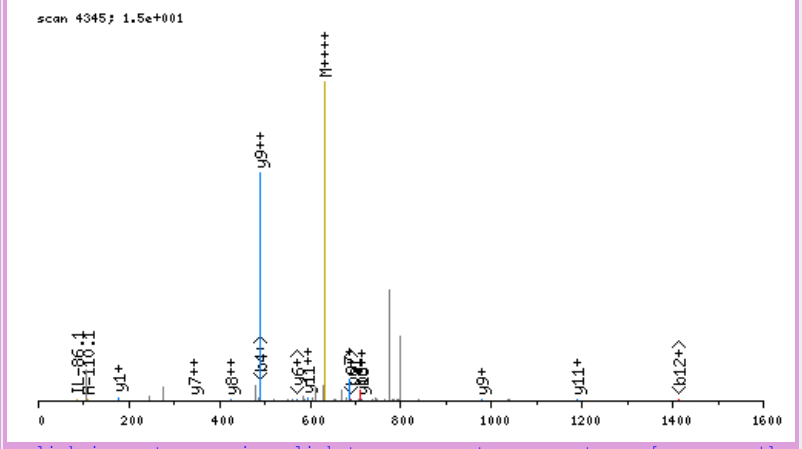
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	11		
296.2974	2	K	10	1197.6692	**599.3385**
353.3189	3	G	9	1035.5111	518.2595
482.3615	4	E	8	978.4896	489.7487
645.4248	5	Y	7	849.4470	425.2274
760.4517	6	D	6	686.3837	343.6958
859.5202	7	V	5	**571.3568**	**286.1823**
960.5678	8	T	4	**472.2884**	**236.6481**
1059.6362	9	V	3	**371.2407**	186.1243
1156.6890	10	P	2	**272.1723**	136.5900
	11	R	1	**175.1195**	88.0637

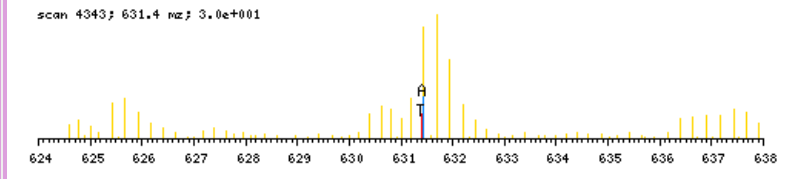
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VKIVTVKTQAYPDQKPGTSGLR, MH+ 2522.5983, m/z 631.4050
H OS G35 P160811 220811-s1.04345.04345.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



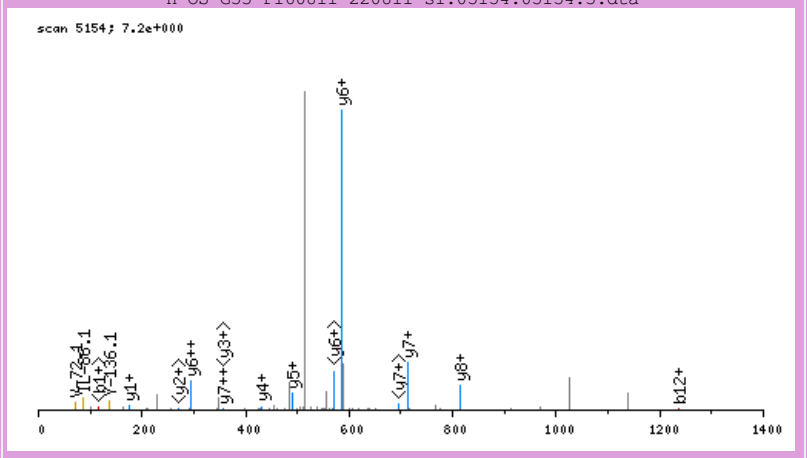
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	22		
296.2974	2	K	21	2389.4668	1195.2373
409.3815	3	I	20	2227.3087	1114.1583
508.4499	4	V	19	2114.2247	1057.6162
609.4976	5	T	18	2015.1562	1008.0820
708.5660	6	V	17	1914.1086	957.5582
870.7241	7	K	16	1815.0401	908.0240
971.7718	8	T	15	1652.8820	826.9449
1099.8303	9	Q	14	1551.8344	776.4211
1170.8675	10	A	13	1423.7758	**712.3918**
1333.9308	11	Y	12	1352.7387	676.8733
1430.9835	12	P	11	**1189.6753**	**595.3416**
1546.0105	13	D	10	1092.6226	546.8152
1674.0691	14	Q	9	**977.5956**	**489.3017**
1836.2272	15	K	8	849.5371	**425.2724**
1933.2799	16	P	7	**687.3790**	**344.1934**
1990.3014	17	G	6	590.3262	295.6670
2091.3491	18	T	5	533.3047	267.1563
2178.3811	19	S	4	432.2571	216.6324
2235.4026	20	G	3	345.2250	173.1164
2348.4866	21	L	2	288.2036	144.6057
	22	R	1	**175.1195**	88.0637

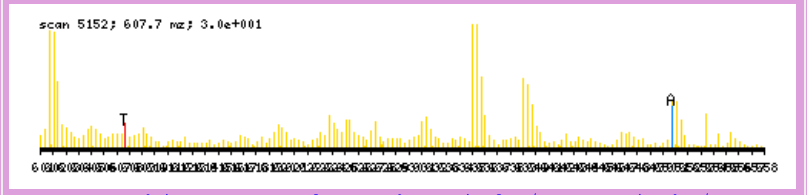
N-term:+35.07 K(2):+162.16
K(7):+162.16 K(15):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VKLVESGGGLVQPGGSLR, MH+ 1821.1234, m/z 607.7127
H OS G33 P160811 220811-s1.05154.05154.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



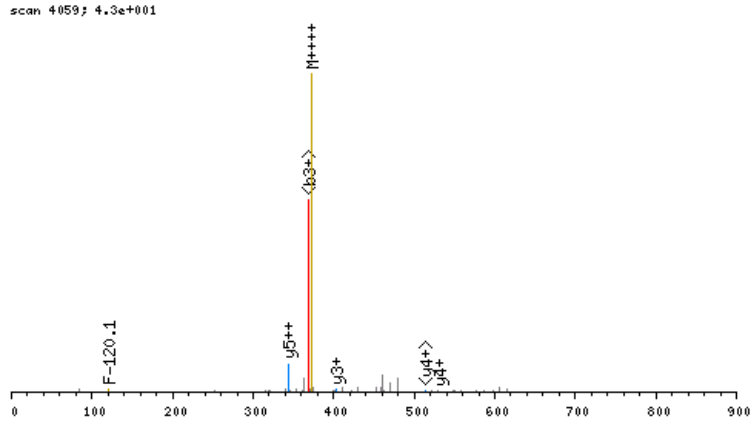
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	18		
296.2974	2	K	17	1687.9919	844.4999
409.3815	3	L	16	1525.8338	763.4208
508.4499	4	V	15	1412.7498	706.8788
637.4925	5	E	14	1313.6814	657.3446
724.5245	6	S	13	1184.6388	592.8233
781.5460	7	G	12	1097.6067	549.3073
838.5674	8	G	11	1040.5853	520.7965
895.5889	9	G	10	983.5638	492.2858
1008.6730	10	L	9	926.5423	463.7751
1107.7414	11	V	8	813.4583	407.2331
1235.8000	12	Q	7	714.3899	357.6988
1332.8527	13	P	6	586.3313	293.6696
1389.8742	14	G	5	489.2785	245.1432
1446.8957	15	G	4	432.2571	216.6324
1533.9277	16	S	3	375.2356	188.1217
1647.0117	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

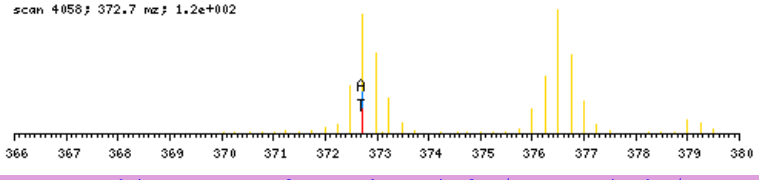
N-term:+35.07 K(2):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VKTSESLKQNNR, MH+ 1487.8546, m/z 372.7191
L OS G35 P160811 220811-s1.04059.04059.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



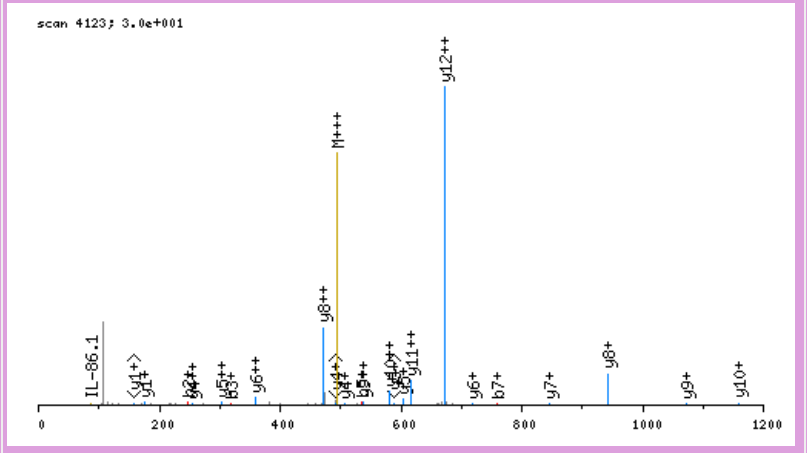
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
284.2338	2	K	11	1360.7549	680.8814
385.2815	3	T	10	1204.6286	602.8182
472.3135	4	S	9	1103.5809	552.2944
601.3561	5	E	8	1016.5489	508.7784
688.3881	6	S	7	887.5063	444.2571
801.4722	7	L	6	800.4743	400.7411
957.5985	8	K	5	687.3902	**344.1990**
1085.6571	9	Q	4	**531.2639**	266.1359
1199.7000	10	N	3	**403.2054**	202.1066
1313.7429	11	N	2	289.1624	145.0851
	12	R	1	175.1195	88.0637

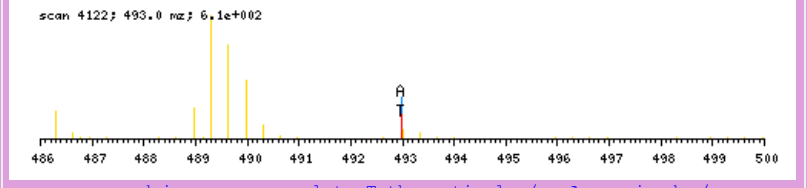
N-term:+29.04 K(2):+156.13
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLASEPEIPKGIR, MH+ 1476.9426, m/z 492.9857
H OS G33 P160811 220811-s1.04123.04123.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



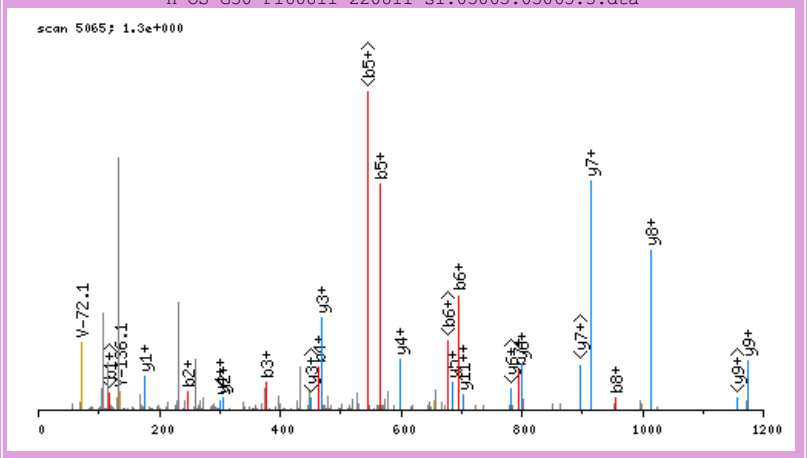
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
247.2234	2	L	12	1343.8111	672.4095
318.2605	3	A	11	1230.7270	615.8674
405.2925	4	S	10	1159.6899	580.3489
534.3351	5	E	9	1072.6579	536.8329
631.3879	6	P	8	943.6153	472.3116
760.4305	7	E	7	846.5625	423.7852
873.5145	8	I	6	717.5200	359.2639
970.5673	9	P	5	604.4359	302.7219
1132.7254	10	K	4	507.3831	254.1955
1189.7469	11	G	3	345.2250	173.1164
1302.8309	12	I	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

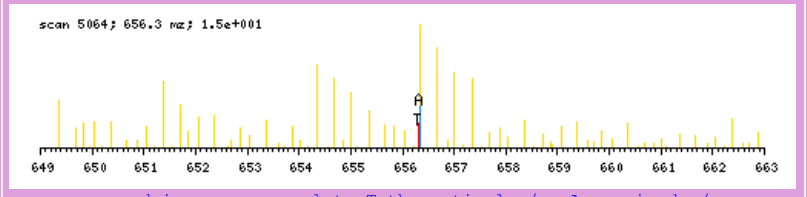
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLESTMVCVDNSEYMR, MH+ 1966.9136, m/z 656.3094
H OS G30 P160811 220811-s1.05065.05065.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



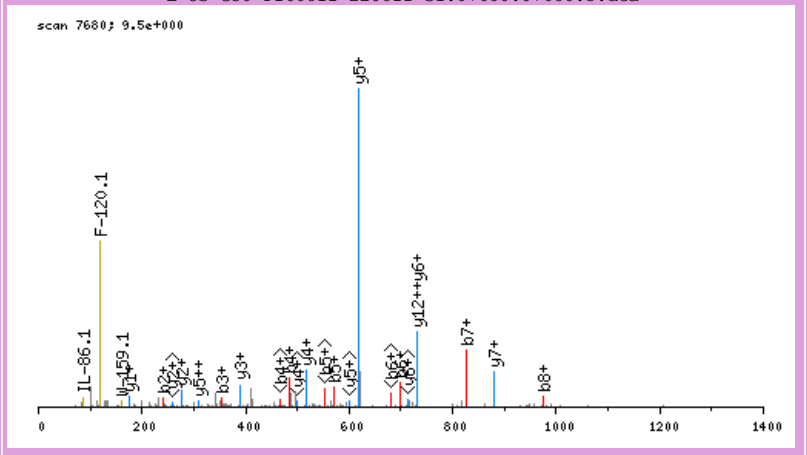
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
247.2234	2	L	15	1833.7821	917.3950
376.2660	3	E	14	1720.6980	860.8529
463.2980	4	S	13	1591.6554	796.3316
564.3457	5	T	12	1504.6234	752.8156
695.3862	6	M	11	1403.5757	**702.2918**
794.4546	7	V	10	1272.5352	636.7715
954.4852	8	C	9	**1173.4668**	587.2373
1053.5536	9	V	8	**1013.4362**	507.2220
1168.5805	10	D	7	**914.3678**	457.6878
1282.6235	11	N	6	**799.3409**	400.1743
1369.6555	12	S	5	**685.2979**	343.1529
1498.6981	13	E	4	**598.2659**	**299.6369**
1661.7614	14	Y	3	**469.2233**	235.1156
1792.8019	15	M	2	**306.1600**	153.5839
	16	R	1	**175.1195**	88.0637

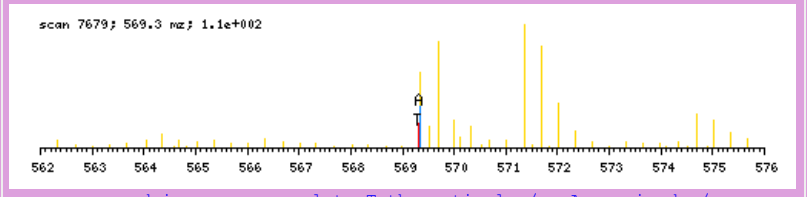
N-term:+35.07 C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLLESEQFLTELTR, MH+ 1705.9376, m/z 569.3174
L OS G30 P160811 220811-s1.07680.07680.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



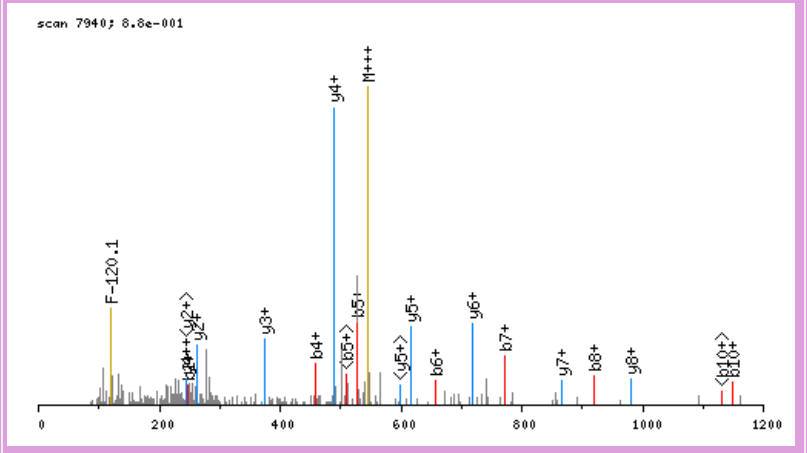
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
241.1916	2	L	13	1578.8379	789.9229
354.2756	3	L	12	1465.7538	733.3808
483.3182	4	E	11	1352.6698	676.8388
570.3503	5	S	10	1223.6272	612.3175
699.3929	6	E	9	1136.5952	568.8015
827.4514	7	Q	8	1007.5526	504.2802
974.5198	8	F	7	879.4940	440.2509
1087.6039	9	L	6	732.4256	366.7167
1188.6516	10	T	5	619.3415	310.1747
1317.6942	11	E	4	518.2938	259.6508
1430.7782	12	L	3	389.2512	195.1295
1531.8259	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

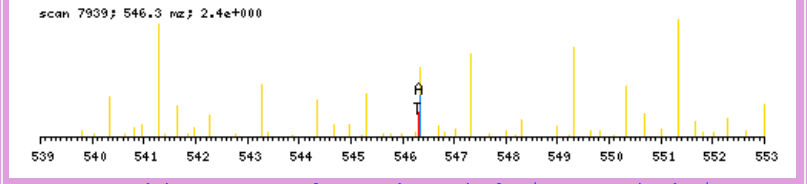
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLPLAEDFTEILSR, MH+ 1636.9374, m/z 546.3173
H OS G30 P160811 220811-s1.07940.07940.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
247.2234	2	L	13	1503.8059	752.4069
344.2761	3	P	12	1390.7218	695.8648
457.3602	4	L	11	1293.6691	647.3384
528.3973	5	A	10	1180.5850	590.7964
657.4399	6	E	9	1109.5479	555.2779
772.4669	7	D	8	980.5053	490.7566
919.5353	8	F	7	865.4783	433.2431
1020.5829	9	T	6	718.4099	359.7089
1149.6255	10	E	5	617.3623	309.1850
1262.7096	11	I	4	488.3197	244.6637
1375.7937	12	L	3	375.2356	188.1217
1462.8257	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

N-term:+35.07

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: ○AVG ◉MONO

Axis: ◉1 ○2

Label: ◉I ○M ○-

Ions:

a [ ]+ [ ]2+ [ ]3+

b [x]+ [ ]2+ [ ]3+

c [ ]+ [ ]2+ [ ]3+

x [ ]+ [ ]2+ [ ]3+

y [x]+ [x]2+ [ ]3+

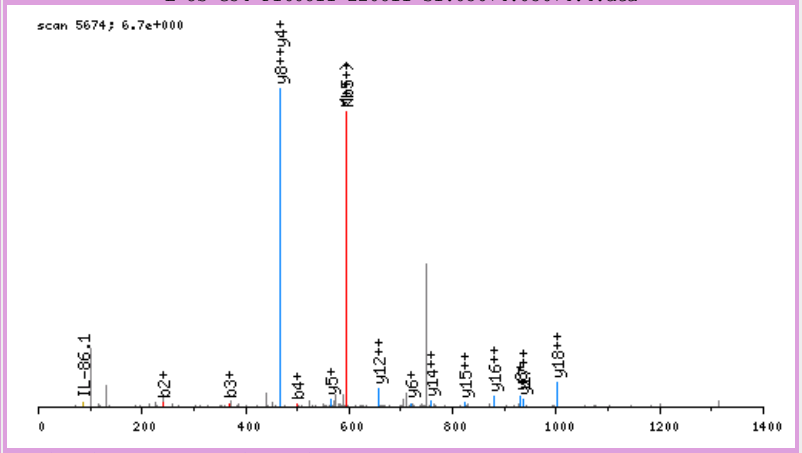
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

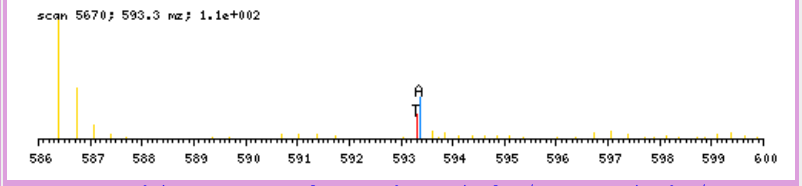
zoom 112-122 [ ]

GO

VLQEILESDGKGDPNKPSGFR, MH+ 2370.2669, m/z 593.3222
L OS G34 P160811 220811-s1.05674.05674.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



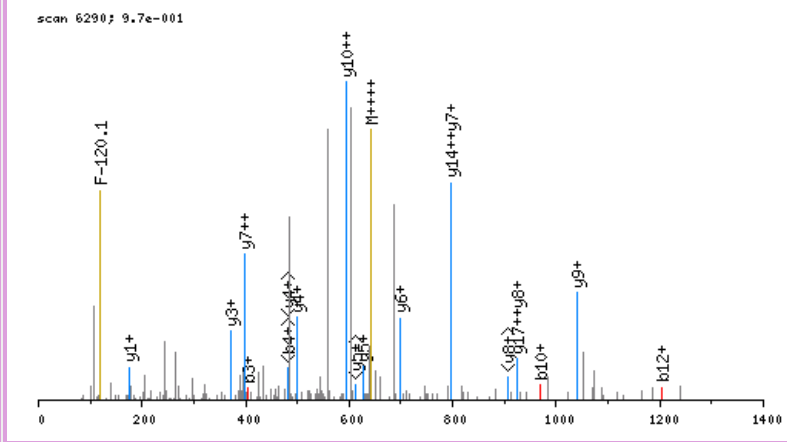
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
241.1916	2	L	20	2243.1673	1122.0875
369.2502	3	Q	19	2130.0832	1065.5455
498.2927	4	E	18	2002.0246	**1001.5162**
611.3768	5	I	17	1872.9820	**936.9949**
724.4609	6	L	16	1759.8980	**880.4529**
853.5035	7	E	15	1646.8139	**823.9109**
940.5355	8	S	14	1517.7713	**759.3896**
1055.5624	9	D	13	1430.7393	715.8736
1112.5839	10	G	12	1315.7123	**658.3601**
1268.7102	11	K	11	1258.6909	629.8493
1325.7317	12	G	10	1102.5646	551.7862
1440.7586	13	D	9	1045.5431	523.2755
1537.8114	14	P	8	**930.5162**	**465.7620**
1651.8543	15	N	7	833.4634	417.2356
1807.9806	16	K	6	**719.4205**	360.2141
1905.0334	17	P	5	**563.2942**	282.1510
1992.0654	18	S	4	**466.2414**	233.6246
2049.0869	19	G	3	379.2094	190.1086
2196.1553	20	F	2	322.1879	161.5979
	21	R	1	175.1195	88.0637

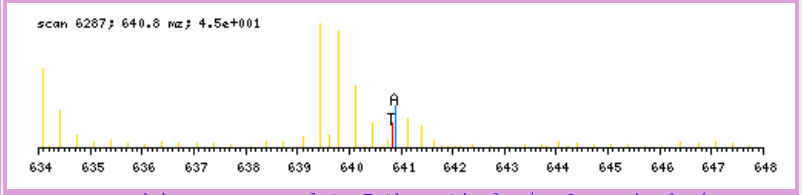
N-term:+29.04 K(11):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLRPPGGGSNFSLGFDEPAEQPVR, MH+ 2560.3372, m/z 640.8398
H OS G33 P160811 220811-s1.06290.06290.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



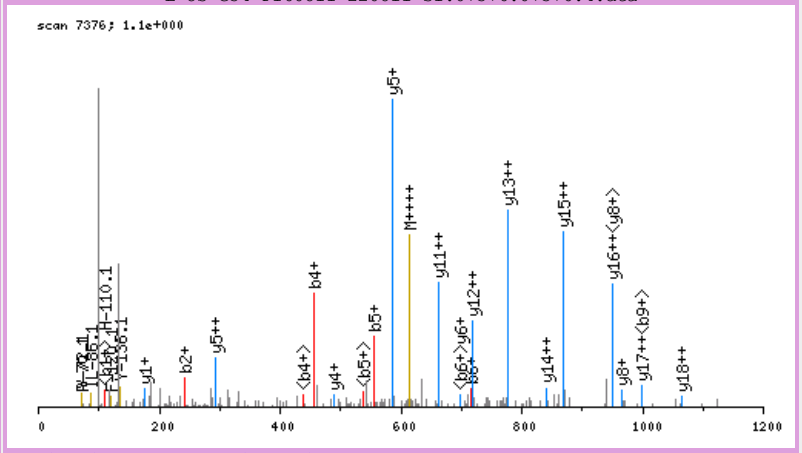
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	24		
247.2234	2	L	23	2427.2057	1214.1068
403.3245	3	R	22	2314.1216	1157.5647
500.3773	4	P	21	2158.0205	1079.5142
597.4300	5	P	20	2060.9678	1030.9878
654.4515	6	G	19	1963.9150	982.4614
711.4729	7	G	18	1906.8935	953.9507
768.4944	8	G	17	1849.8721	**925.4399**
855.5264	9	S	16	1792.8506	896.9292
969.5694	10	N	15	1705.8186	853.4132
1116.6378	11	F	14	1591.7756	**796.3917**
1203.6698	12	S	13	1444.7072	722.8575
1316.7539	13	L	12	1357.6752	679.3415
1373.7753	14	G	11	1244.5911	622.7995
1520.8437	15	F	10	1187.5697	**594.2888**
1635.8707	16	D	9	**1040.5013**	520.7545
1764.9133	17	E	8	**925.4743**	463.2411
1861.9660	18	P	7	**796.4317**	**398.7198**
1933.0032	19	A	6	**699.3790**	350.1934
2062.0458	20	E	5	**628.3418**	314.6748
2190.1043	21	Q	4	**499.2993**	250.1535
2287.1571	22	P	3	**371.2407**	186.1243
2386.2255	23	V	2	274.1879	137.5979
	24	R	1	**175.1195**	88.0637

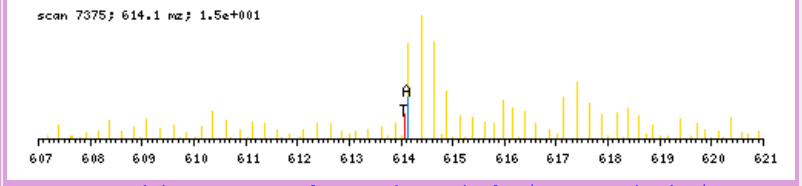
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLSEVCGQDITTKHMLPTVLR, MH+ 2453.3260, m/z 614.0870
L OS G34 P160811 220811-s1.07376.07376.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



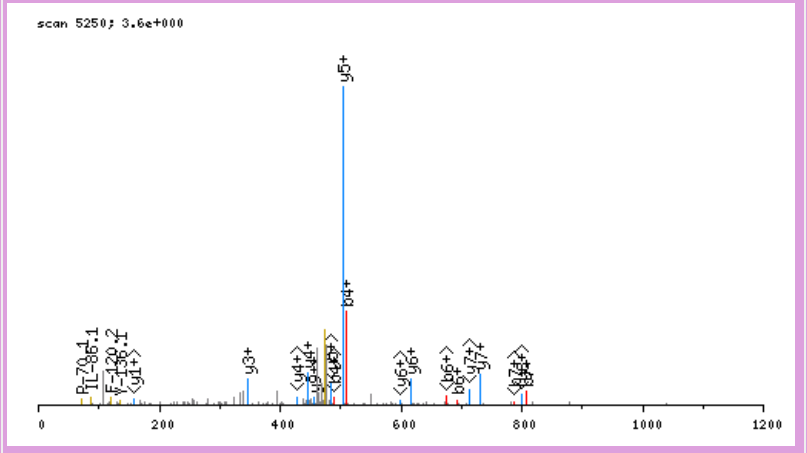
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
241.1916	2	L	20	2326.2263	1163.6171
328.2236	3	S	19	2213.1422	1107.0750
457.2662	4	E	18	2126.1102	**1063.5590**
556.3346	5	V	17	1997.0676	**999.0377**
716.3652	6	C	16	1897.9992	**949.5035**
773.3867	7	G	15	1737.9686	**869.4882**
901.4453	8	Q	14	1680.9471	**840.9775**
1016.4722	9	D	13	1552.8885	**776.9482**
1129.5563	10	I	12	1437.8616	**719.4347**
1230.6039	11	T	11	1324.7775	**662.8927**
1331.6516	12	T	10	1223.7299	612.3688
1487.7779	13	K	9	1122.6822	561.8450
1624.8368	14	H	8	**966.5559**	483.7819
1755.8773	15	M	7	829.4970	415.2524
1868.9614	16	L	6	**698.4565**	349.7322
1966.0141	17	P	5	**585.3724**	**293.1901**
2067.0618	18	T	4	**488.3197**	244.6637
2166.1302	19	V	3	387.2720	194.1399
2279.2143	20	L	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

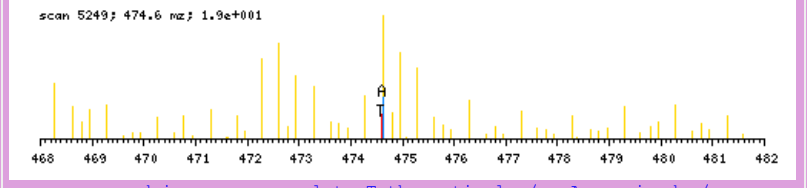
N-term:+29.04 C(6):+160.03
K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLTCPSNLGTGLR, MH+ 1421.7998, m/z 474.6048
H OS G31 P160811 220811-s1.05250.05250.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



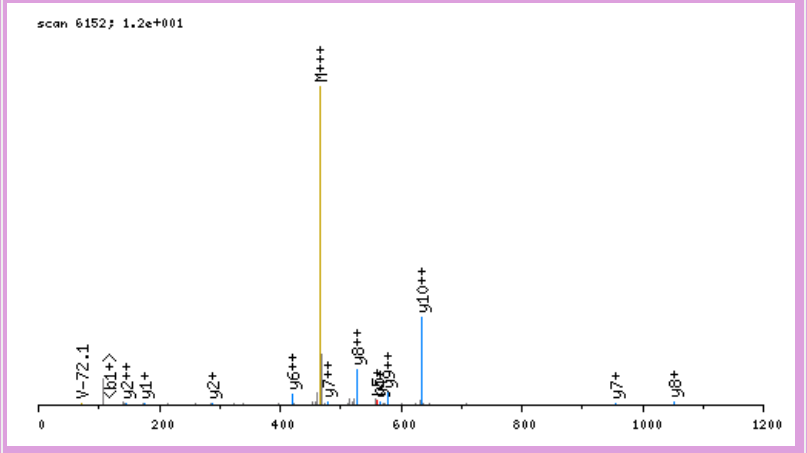
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
247.2234	2	L	12	1288.6683	644.8381
348.2711	3	T	11	1175.5842	588.2960
508.3017	4	C	10	1074.5366	537.7722
605.3544	5	P	9	914.5060	**457.7569**
692.3864	6	S	8	817.4532	409.2305
806.4294	7	N	7	**730.4212**	365.7145
919.5134	8	L	6	**616.3782**	308.6930
976.5349	9	G	5	**503.2942**	252.1510
1077.5826	10	T	4	**446.2727**	223.6403
1134.6040	11	G	3	**345.2250**	173.1164
1247.6881	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

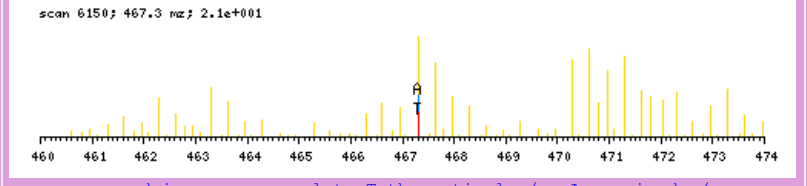
N-term:+35.07 C(4):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VLTPDLYNKLR, MH+ 1399.8949, m/z 467.3032
H OS G34 P160811 220811-s1.06152.06152.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	11		
247.2234	2	L	10	1266.7634	**633.8856**
348.2711	3	T	9	1153.6794	**577.3436**
445.3238	4	P	8	**1052.6317**	**526.8198**
560.3508	5	D	7	**955.5789**	**478.2934**
673.4348	6	L	6	840.5520	**420.7799**
836.4982	7	Y	5	727.4679	364.2379
950.5411	8	N	4	**564.4046**	282.7062
1112.6992	9	K	3	450.3617	225.6847
1225.7832	10	L	2	**288.2036**	**144.6057**
	11	R	1	**175.1195**	88.0637

N-term:+35.07 K(9):+162.16

X-range: 0 - 0

MassTol: 0. Y-zoom: 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

z [+] [2+] [3+]

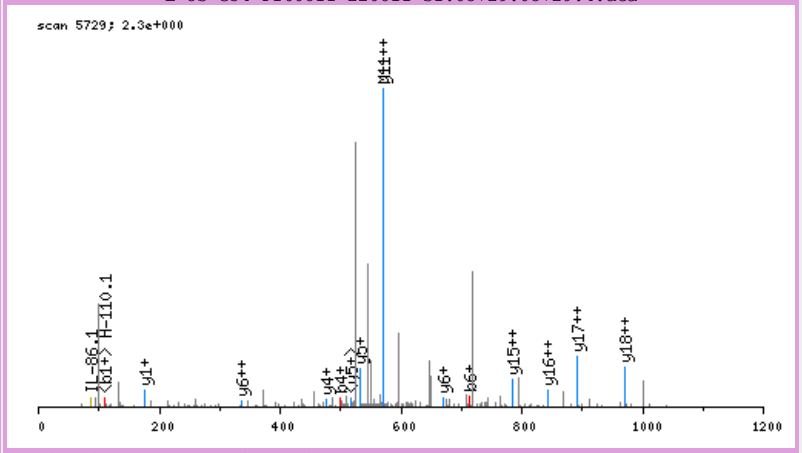
hide H_2O/NH_3

zoom 112-122

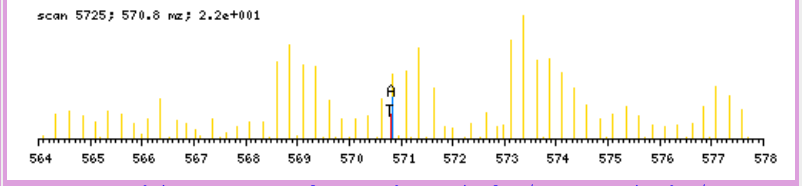
GO

VLVCPDGKTIEAEAAHGTVTR, MH+ 2280.2022, m/z 570.8060

L OS G34 P160811 220811-s1.05729.05729.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



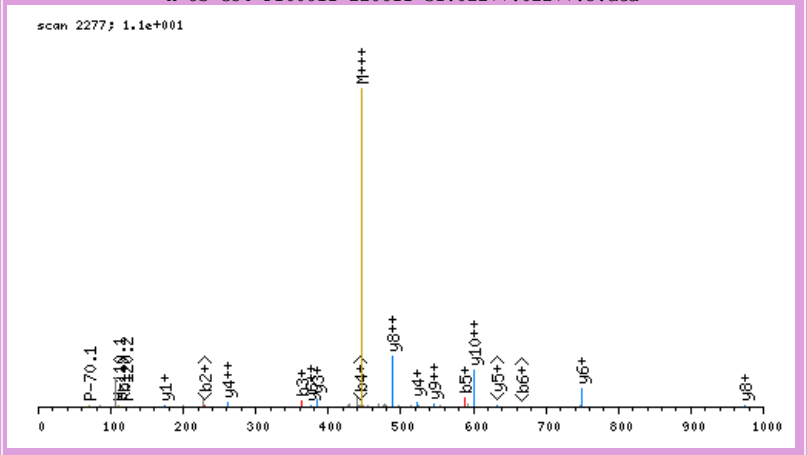
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
241.1916	2	L	20	2153.1025	1077.0551
340.2600	3	V	19	2040.0184	1020.5131
500.2906	4	C	18	1940.9500	**970.9789**
597.3434	5	P	17	1780.9194	**890.9636**
712.3703	6	D	16	1683.8666	**842.4372**
769.3918	7	G	15	1568.8397	**784.9238**
925.5181	8	K	14	1511.8182	756.4130
1026.5657	9	T	13	1355.6919	678.3499
1139.6498	10	I	12	1254.6442	627.8260
1268.6924	11	E	11	1141.5602	**571.2840**
1339.7295	12	A	10	1012.5176	506.7627
1468.7721	13	E	9	941.4805	471.2441
1539.8092	14	A	8	812.4379	406.7228
1610.8463	15	A	7	741.4008	371.2043
1747.9052	16	H	6	**670.3636**	**335.6857**
1804.9267	17	G	5	**533.3047**	267.1563
1905.9744	18	T	4	**476.2833**	238.6455
2005.0428	19	V	3	375.2356	188.1217
2106.0905	20	T	2	276.1672	138.5875
	21	R	1	**175.1195**	88.0637

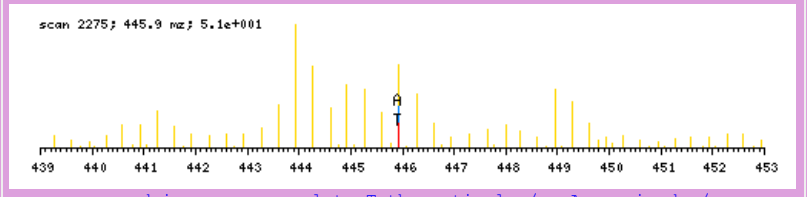
N-term:+29.04 C(4):+160.03
K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VNDPQPEHPLR, MH+ 1335.7233, m/z 445.9126
H OS G34 P160811 220811-s1.02277.02277.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



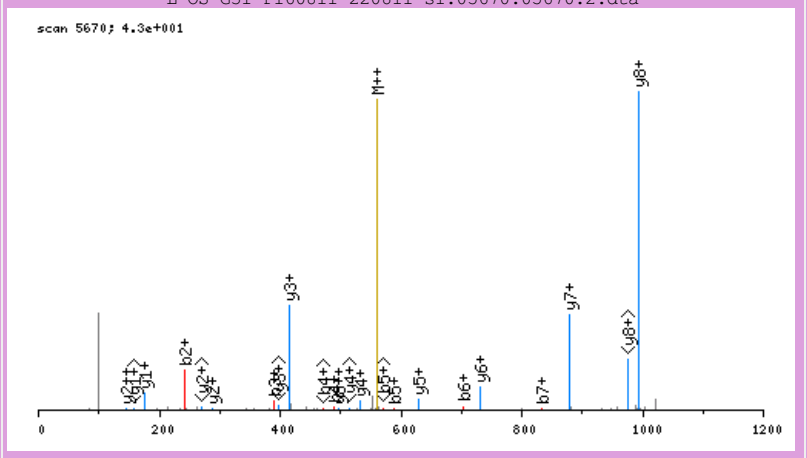
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	11		
248.1822	2	N	10	1202.5918	**601.7998**
363.2092	3	D	9	1088.5489	**544.7784**
460.2619	4	P	8	**973.5219**	**487.2649**
588.3205	5	Q	7	876.4692	438.7385
685.3733	6	P	6	**748.4106**	**374.7092**
814.4159	7	E	5	651.3578	326.1828
951.4748	8	H	4	**522.3152**	**261.6615**
1048.5276	9	P	3	**385.2563**	193.1321
1161.6116	10	L	2	288.2036	144.6057
	11	R	1	**175.1195**	88.0637

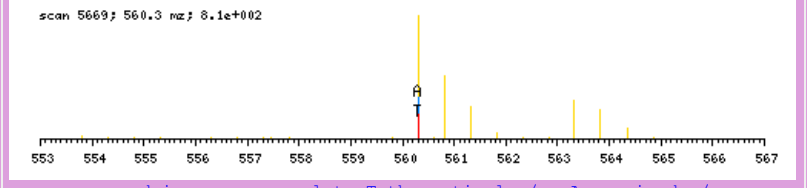
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VNFTVDQIR, MH+ 1119.6162, m/z 560.3117
L OS G31 P160811 220811-s1.05670.05670.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



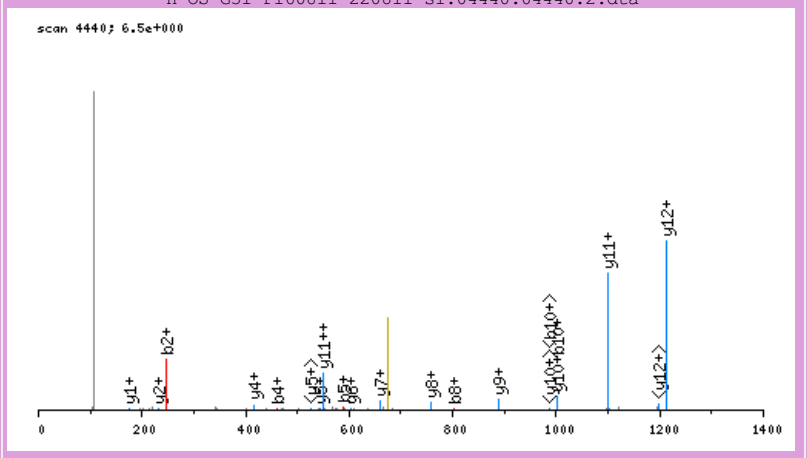
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	9		
242.1504	2	N	8	992.5165	496.7622
389.2189	3	F	7	878.4736	439.7407
490.2665	4	T	6	731.4052	366.2065
589.3349	5	V	5	630.3575	315.6827
704.3619	6	D	4	531.2891	266.1485
832.4205	7	Q	3	416.2621	208.6350
945.5045	8	I	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

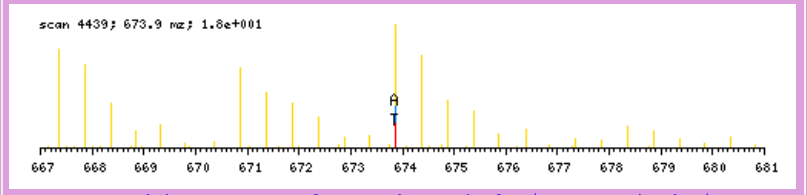
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VNPDEVGGEALGR, MH+ 1346.7128, m/z 673.8600
H OS G31 P160811 220811-s1.04440.04440.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



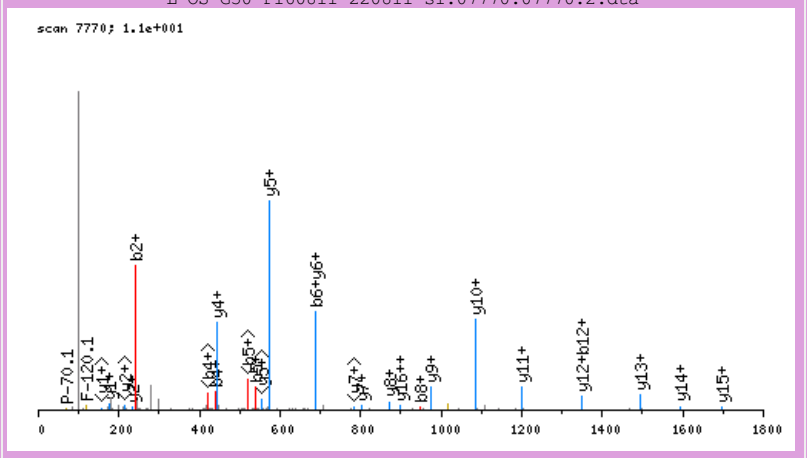
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
248.1822	2	N	12	1213.5813	607.2946
345.2350	3	P	11	1099.5384	550.2731
460.2619	4	D	10	1002.4856	501.7467
589.3045	5	E	9	887.4587	444.2332
688.3730	6	V	8	758.4161	379.7120
745.3944	7	G	7	659.3477	330.1777
802.4159	8	G	6	602.3262	301.6670
931.4585	9	E	5	545.3047	273.1563
1002.4956	10	A	4	416.2621	208.6350
1115.5797	11	L	3	345.2250	173.1164
1172.6011	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

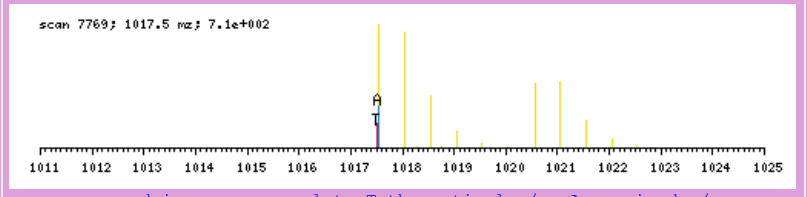
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VNPTVFFDITADDEPLGR, MH+ 2034.0184, m/z 1017.5128
L OS G30 P160811 220811-s1.07770.07770.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



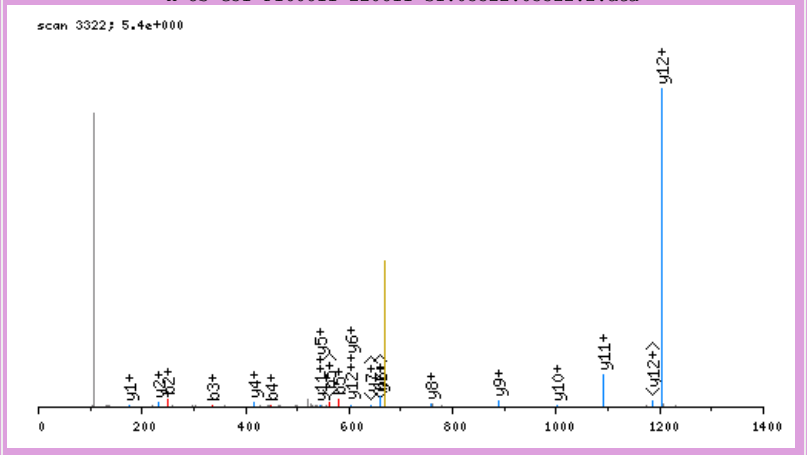
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
242.1504	2	N	17	1906.9187	953.9633
339.2032	3	P	16	1792.8758	**896.9418**
440.2509	4	T	15	**1695.8230**	848.4154
539.3193	5	V	14	**1594.7753**	797.8916
686.3877	6	F	13	**1495.7069**	748.3574
833.4561	7	F	12	**1348.6385**	674.8232
948.4831	8	D	11	**1201.5701**	601.2889
1061.5671	9	I	10	**1086.5431**	543.7755
1162.6148	10	T	9	**973.4591**	487.2334
1233.6519	11	A	8	**872.4114**	436.7096
1348.6789	12	D	7	**801.3743**	401.1910
1463.7058	13	D	6	**686.3473**	343.6776
1592.7484	14	E	5	**571.3204**	286.1641
1689.8012	15	P	4	**442.2778**	221.6428
1802.8852	16	L	3	345.2250	173.1164
1859.9067	17	G	2	**232.1410**	116.5744
	18	R	1	**175.1195**	88.0637

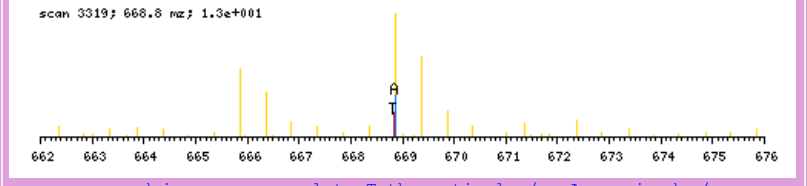
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VNSDEVGGEALGR, MH+ 1336.6921, m/z 668.8497
H OS G31 P160811 220811-s1.03322.03322.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



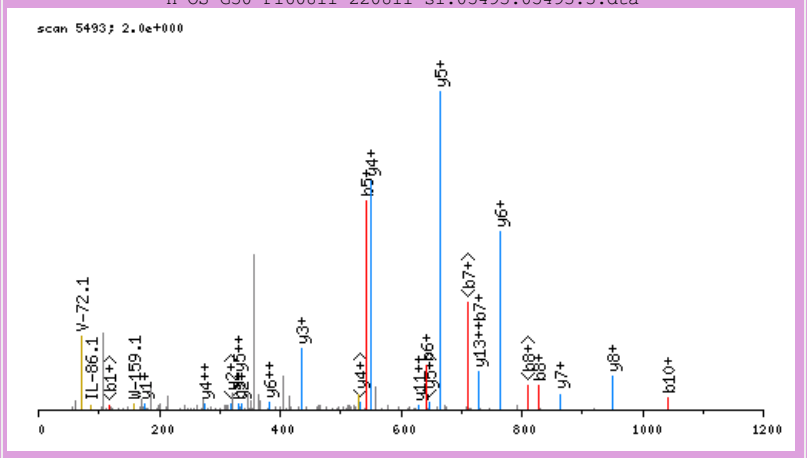
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
248.1822	2	N	12	1203.5606	602.2842
335.2143	3	S	11	1089.5176	545.2627
450.2412	4	D	10	1002.4856	501.7467
579.2838	5	E	9	887.4587	444.2332
678.3522	6	V	8	758.4161	379.7120
735.3737	7	G	7	659.3477	330.1777
792.3951	8	G	6	602.3262	301.6670
921.4377	9	E	5	545.3047	273.1563
992.4749	10	A	4	416.2621	208.6350
1105.5589	11	L	3	345.2250	173.1164
1162.5804	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

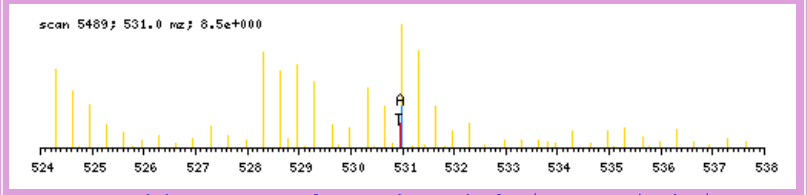
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VPTPNVSVVDLTCR, MH+ 1590.8737, m/z 530.9627
H OS G30 P160811 220811-s1.05493.05493.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



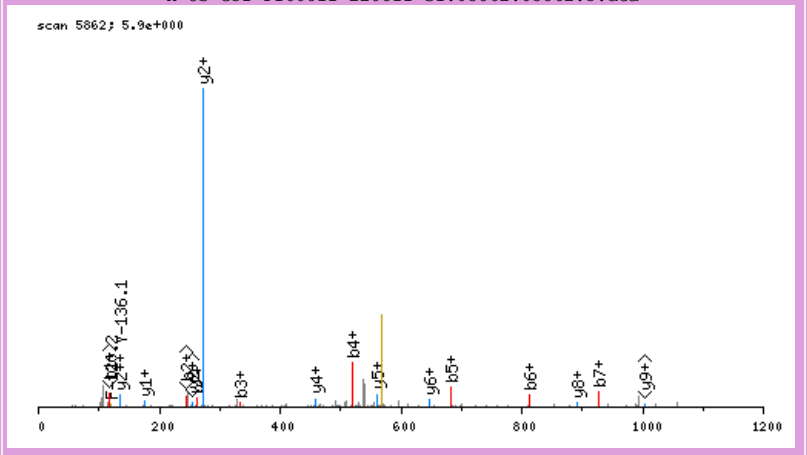
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
231.1921	2	P	13	1457.7422	**729.3750**
332.2398	3	T	12	1360.6894	680.8486
429.2925	4	P	11	1259.6417	**630.3248**
543.3354	5	N	10	1162.5890	581.7984
642.4039	6	V	9	1048.5461	524.7769
729.4359	7	S	8	**949.4776**	475.2427
828.5043	8	V	7	**862.4456**	431.7267
927.5727	9	V	6	**763.3772**	**382.1925**
1042.5997	10	D	5	**664.3088**	**332.6583**
1155.6837	11	L	4	**549.2818**	**275.1448**
1256.7314	12	T	3	**436.1978**	218.6028
1416.7620	13	C	2	**335.1501**	168.0790
	14	R	1	**175.1195**	88.0637

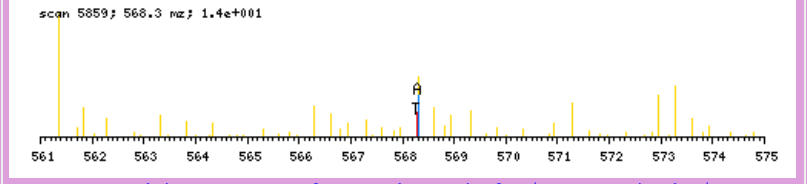
N-term:+35.07 C(13):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VQAWYMDESTADPR, MH+ 1702.7959, m/z 568.2701
H OS G31 P160811 220811-s1.05862.05862.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



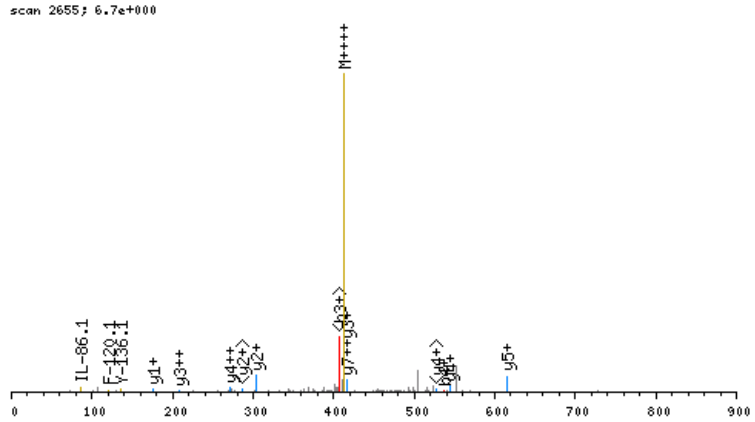
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
262.1979	2	Q	13	1569.6644	785.3361
333.2350	3	A	12	1441.6058	721.3068
519.3143	4	W	11	1370.5687	685.7883
682.3776	5	Y	10	1184.4894	592.7486
813.4181	6	M	9	1021.4260	511.2169
928.4451	7	D	8	890.3856	445.6967
1057.4877	8	E	7	775.3586	388.1832
1144.5197	9	S	6	646.3160	323.6619
1245.5674	10	T	5	559.2840	280.1459
1316.6045	11	A	4	458.2363	229.6221
1431.6314	12	D	3	387.1992	194.1035
1528.6842	13	P	2	272.1723	136.5900
	14	R	1	175.1195	88.0637

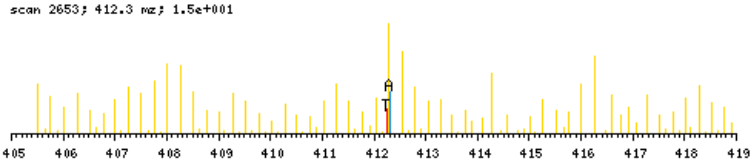
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VQKLKDSEAELQR, MH+ 1646.0337, m/z 412.2639
H OS G35 P160811 220811-s1.02655.02655.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



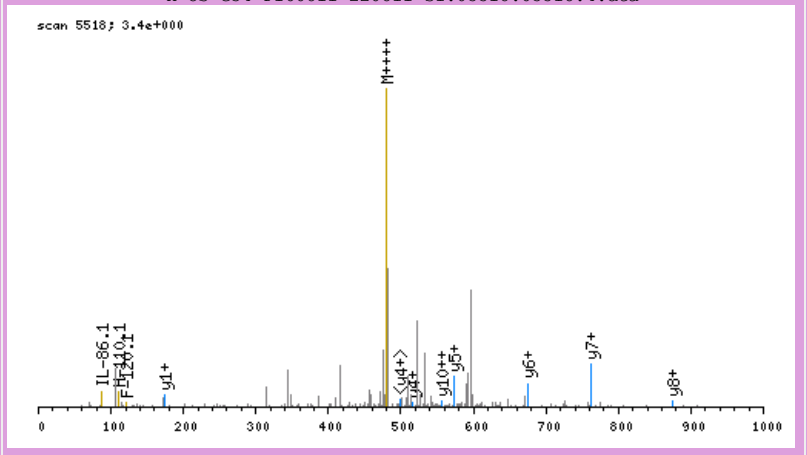
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
262.1979	2	Q	12	1512.9023	756.9550
424.3560	3	K	11	1384.8437	692.9258
537.4401	4	L	10	1222.6856	611.8467
699.5982	5	K	9	1109.6015	555.3047
814.6251	6	D	8	947.4434	474.2256
901.6571	7	S	7	832.4165	**416.7121**
1030.6997	8	E	6	745.3844	373.1961
1101.7368	9	A	5	**616.3418**	308.6748
1230.7794	10	E	4	**545.3047**	**273.1563**
1343.8635	11	L	3	**416.2621**	**208.6350**
1471.9221	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

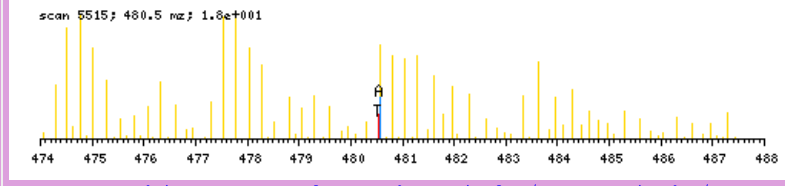
N-term:+35.07 K(3):+162.16
K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VQKYGYTHLSTGDLLR, MH+ 1919.1027, m/z 480.5311
H OS G34 P160811 220811-s1.05518.05518.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



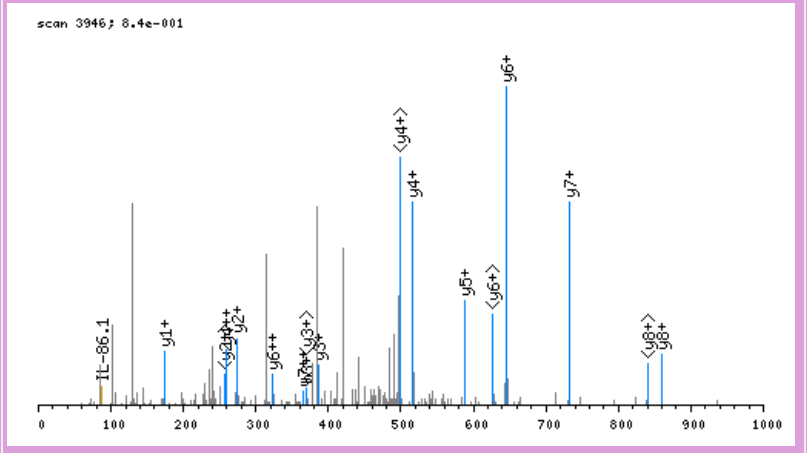
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
262.1979	2	Q	15	1785.9712	893.4895
424.3560	3	K	14	1657.9126	829.4602
587.4193	4	Y	13	1495.7545	748.3812
644.4408	5	G	12	1332.6912	666.8495
807.5041	6	Y	11	1275.6697	638.3388
908.5518	7	T	10	1112.6064	**556.8071**
1045.6107	8	H	9	1011.5587	506.2833
1158.6948	9	L	8	**874.4998**	437.7538
1245.7268	10	S	7	**761.4157**	381.2118
1346.7745	11	T	6	**674.3837**	337.6958
1403.7959	12	G	5	**573.3360**	287.1719
1518.8229	13	D	4	**516.3146**	258.6612
1631.9069	14	L	3	401.2876	201.1477
1744.9910	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

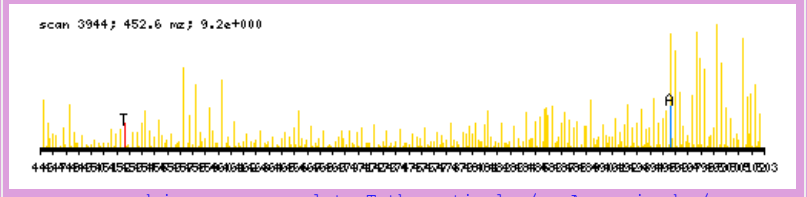
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VQLQQSGAELVK, MH+ 1355.7899, m/z 452.6015
L OS G30 P160811 220811-s1.03946.03946.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



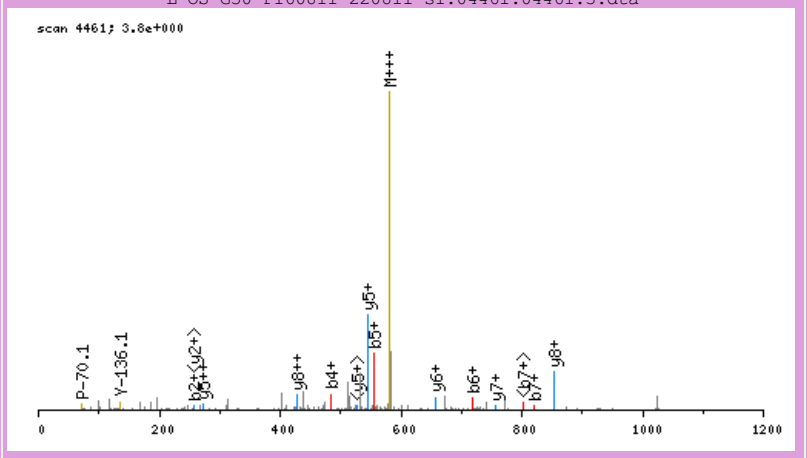
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
256.1661	2	Q	11	1228.6902	614.8490
369.2502	3	L	10	1100.6316	550.8197
497.3087	4	Q	9	987.5475	494.2777
625.3673	5	Q	8	**859.4889**	430.2484
712.3993	6	S	7	**731.4304**	**366.2191**
769.4208	7	G	6	**644.3983**	**322.7031**
840.4579	8	A	5	**587.3769**	294.1923
969.5005	9	E	4	**516.3398**	**258.6738**
1082.5846	10	L	3	**387.2972**	194.1525
1181.6530	11	V	2	**274.2131**	137.6105
	12	K	1	**175.1447**	88.0763

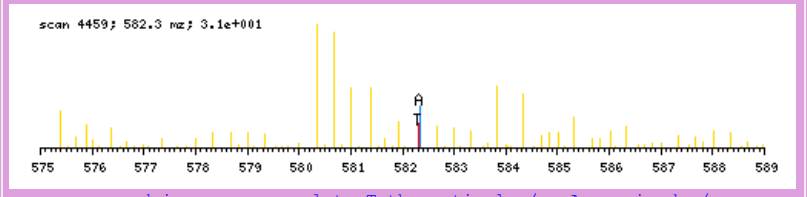
N-term:+29.04 K(12):+156.13

VQNDAYTAPVLPSSVR, MH+ 1744.9233, m/z 582.3126
L OS G30 P160811 220811-s1.04461.04461.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



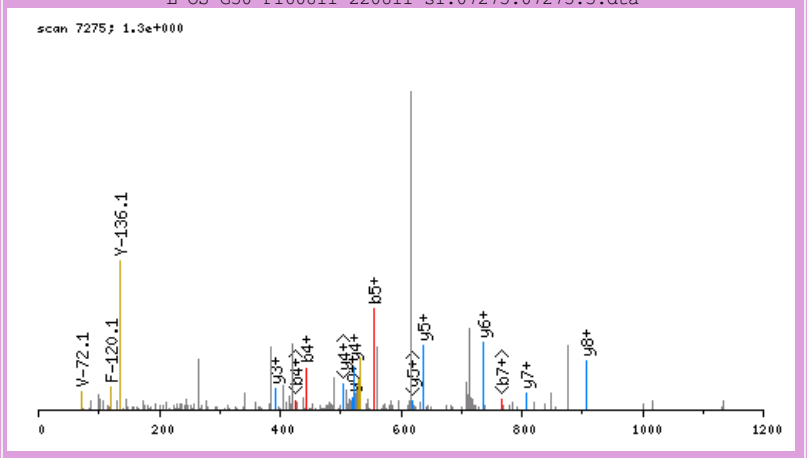
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
256.1661	2	Q	15	1617.8237	809.4157
370.2090	3	N	14	1489.7651	745.3865
485.2360	4	D	13	1375.7222	688.3650
556.2731	5	A	12	1260.6952	630.8515
719.3364	6	Y	11	1189.6581	595.3330
820.3841	7	T	10	1026.5948	513.8013
891.4212	8	A	9	925.5471	463.2775
988.4740	9	P	8	**854.5100**	**427.7589**
1087.5424	10	V	7	**757.4572**	379.2325
1200.6264	11	L	6	**658.3888**	329.6983
1297.6792	12	P	5	**545.3047**	**273.1563**
1384.7112	13	S	4	448.2520	224.6299
1471.7433	14	S	3	361.2199	181.1139
1570.8117	15	V	2	274.1879	137.5979
	16	R	1	175.1195	88.0637

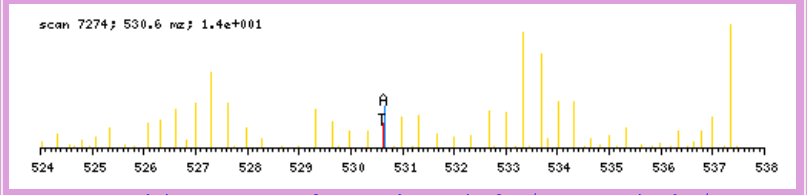
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VQSVIQTAVDQFAR, MH+ 1589.8651, m/z 530.6266
L OS G30 P160811 220811-s1.07275.07275.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



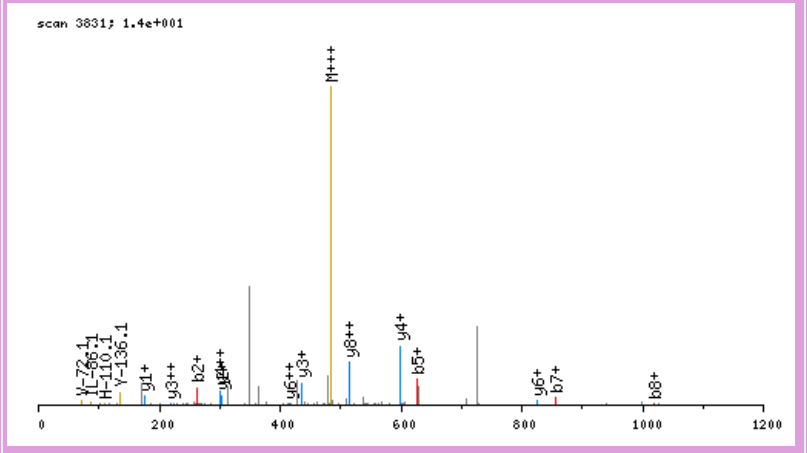
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
256.1661	2	Q	13	1462.7654	731.8866
343.1981	3	S	12	1334.7068	667.8573
442.2665	4	V	11	1247.6748	624.3413
555.3506	5	I	10	1148.6064	574.8071
683.4092	6	Q	9	1035.5223	**518.2651**
784.4569	7	T	8	**907.4638**	454.2358
855.4940	8	A	7	**806.4161**	403.7120
954.5624	9	V	6	**735.3790**	368.1934
1069.5893	10	D	5	**636.3105**	318.6592
1197.6479	11	Q	4	**521.2836**	261.1457
1344.7163	12	F	3	**393.2250**	197.1164
1415.7534	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

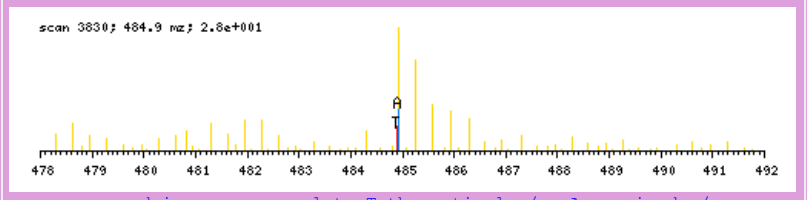
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VQYSDIDYMER, MH+ 1452.6893, m/z 484.9013
H OS G34 P160811 220811-s1.03831.03831.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



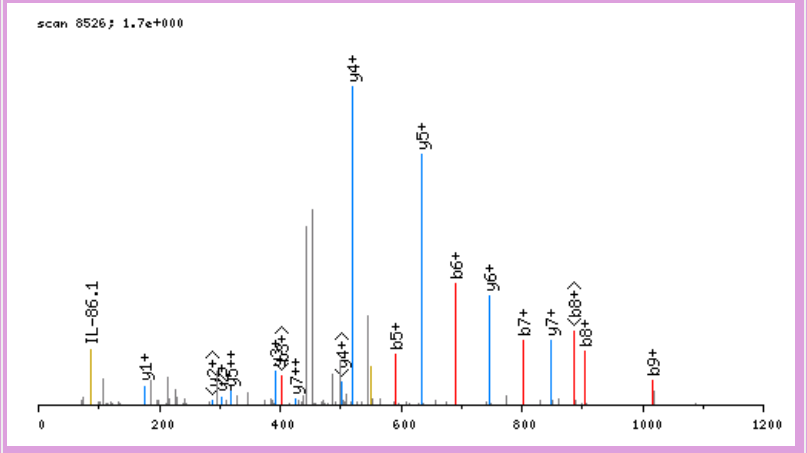
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	11		
262.1979	2	Q	10	1319.5578	660.2828
425.2612	3	Y	9	1191.4992	596.2535
512.2932	4	S	8	1028.4359	514.7219
627.3202	5	D	7	941.4039	471.2058
740.4043	6	I	6	826.3769	413.6924
855.4312	7	D	5	713.2929	357.1503
1018.4945	8	Y	4	598.2659	299.6369
1149.5350	9	M	3	435.2026	218.1052
1278.5776	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

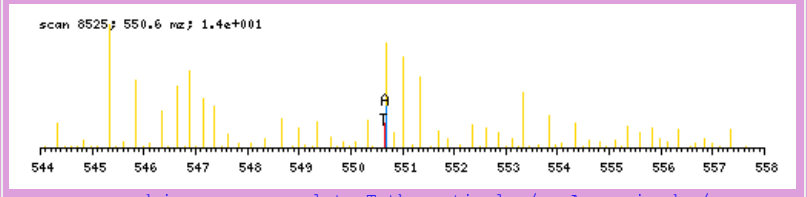
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VREGDVLTLLESER, MH+ 1649.9286, m/z 550.6477
H OS G34 P160811 220811-s1.08526.08526.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



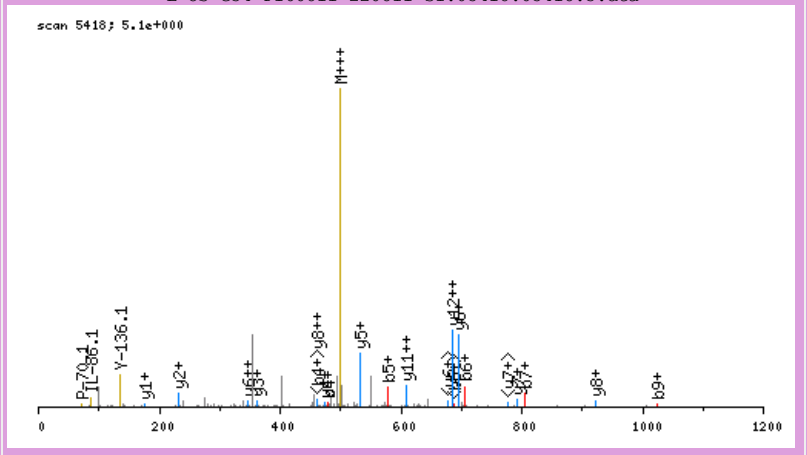
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
290.2404	2	R	13	1516.7971	758.9025
419.2830	3	E	12	1360.6960	680.8519
476.3045	4	G	11	1231.6534	616.3306
591.3314	5	D	10	1174.6319	587.8199
690.3998	6	V	9	1059.6050	530.3064
803.4839	7	L	8	960.5366	480.7722
904.5316	8	T	7	**847.4525**	**424.2302**
1017.6156	9	L	6	**746.4048**	373.7063
1130.6997	10	L	5	**633.3208**	**317.1643**
1259.7423	11	E	4	**520.2367**	260.6223
1346.7743	12	S	3	**391.1941**	196.1010
1475.8169	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

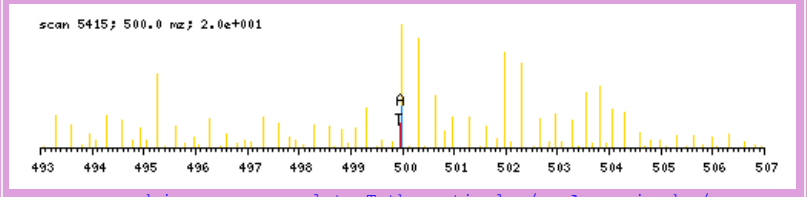
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VRPPVQVYGIEGR, MH+ 1497.8541, m/z 499.9562
L OS G34 P160811 220811-s1.05418.05418.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



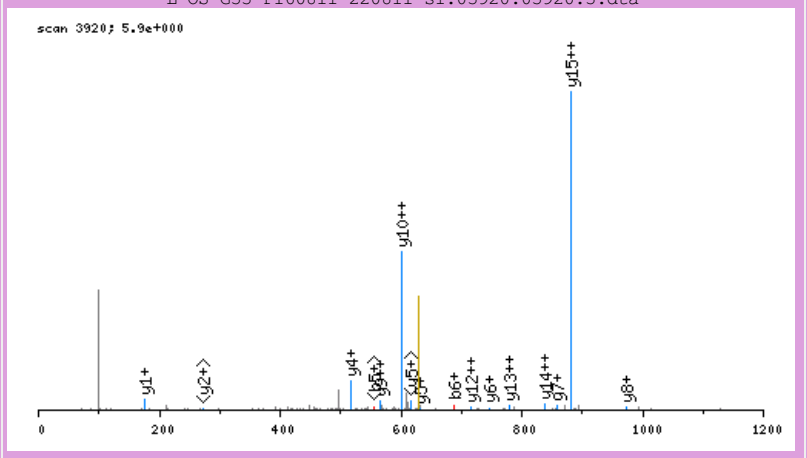
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
284.2086	2	R	12	1370.7545	**685.8811**
381.2614	3	P	11	1214.6533	**607.8306**
478.3142	4	P	10	1117.6006	559.3042
577.3826	5	V	9	1020.5478	510.7778
705.4411	6	Q	8	**921.4794**	**461.2436**
804.5096	7	V	7	**793.4208**	397.2143
967.5729	8	Y	6	**694.3524**	**347.6801**
1024.5944	9	G	5	**531.2891**	266.1485
1137.6784	10	I	4	**474.2676**	237.6377
1266.7210	11	E	3	**361.1836**	181.0957
1323.7425	12	G	2	**232.1410**	116.5744
	13	R	1	**175.1195**	88.0637

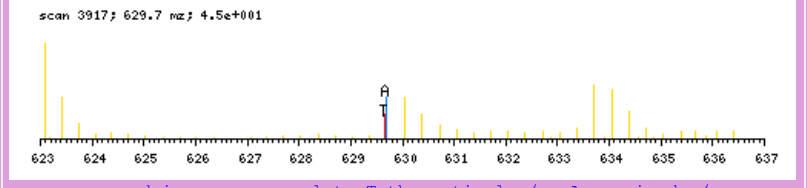
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSDENDAKILNDVQDR, MH+ 1886.9460, m/z 629.6535
L OS G33 P160811 220811-s1.03920.03920.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



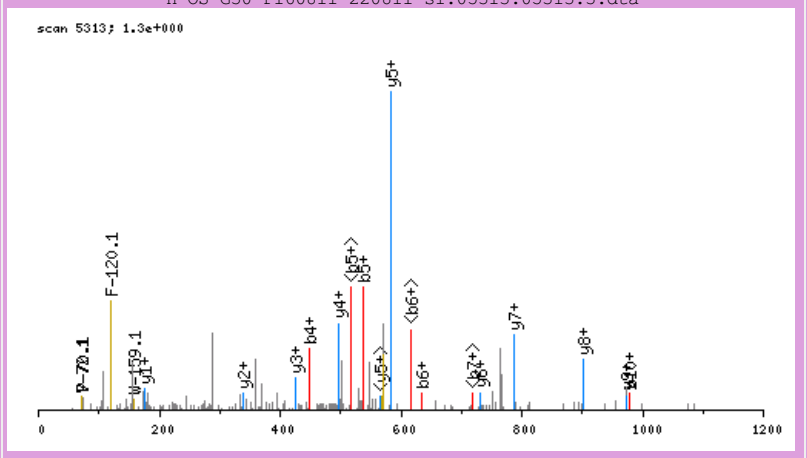
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
215.1395	2	S	15	1759.8463	**880.4271**
330.1665	3	D	14	1672.8143	**836.9110**
459.2091	4	E	13	1557.7873	**779.3976**
573.2520	5	N	12	1428.7447	**714.8763**
688.2789	6	D	11	1314.7018	657.8548
759.3161	7	A	10	1199.6748	**600.3413**
915.4424	8	K	9	1128.6377	**564.8228**
1028.5264	9	I	8	**972.5114**	486.7596
1141.6105	10	L	7	**859.4274**	430.2176
1255.6534	11	N	6	**746.3433**	373.6756
1370.6804	12	D	5	**632.3004**	316.6541
1469.7488	13	V	4	**517.2734**	259.1406
1597.8074	14	Q	3	418.2050	209.6064
1712.8343	15	D	2	290.1464	145.5771
	16	R	1	**175.1195**	88.0637

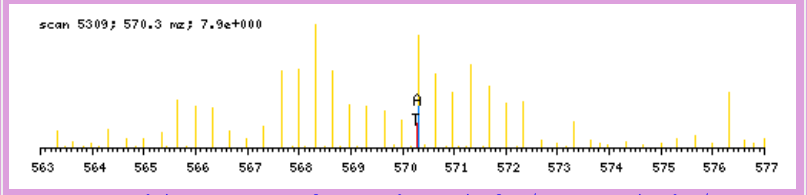
N-term:+29.04 K(8):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VSDLSVTADGFSASYR, MH+ 1708.8606, m/z 570.2917
H OS G30 P160811 220811-s1.05313.05313.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



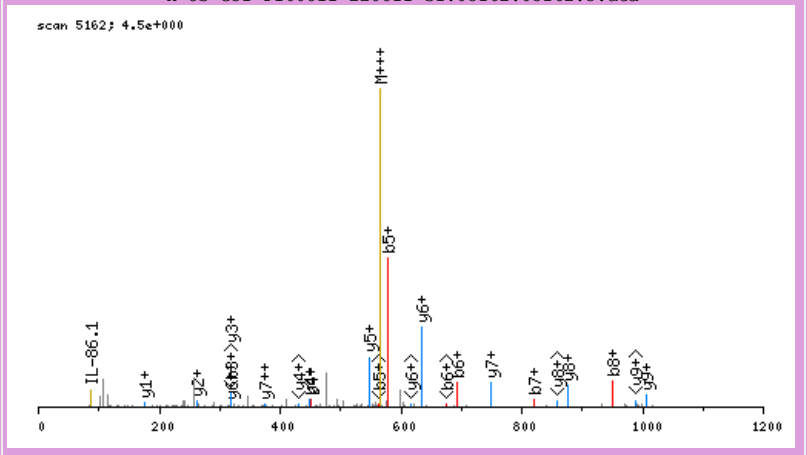
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
221.1713	2	S	15	1575.7291	788.3685
336.1983	3	D	14	1488.6971	744.8524
449.2823	4	L	13	1373.6701	687.3390
536.3144	5	S	12	1260.5861	630.7969
635.3828	6	V	11	1173.5540	587.2809
736.4305	7	T	10	1074.4856	537.7467
807.4676	8	A	9	**973.4379**	487.2229
922.4945	9	D	8	**902.4008**	451.7043
979.5160	10	G	7	**787.3739**	394.1909
1126.5844	11	F	6	**730.3524**	365.6801
1213.6164	12	S	5	**583.2840**	292.1459
1284.6535	13	A	4	**496.2520**	248.6299
1371.6856	14	S	3	**425.2149**	213.1113
1534.7489	15	Y	2	**338.1828**	169.5953
	16	R	1	**175.1195**	88.0637

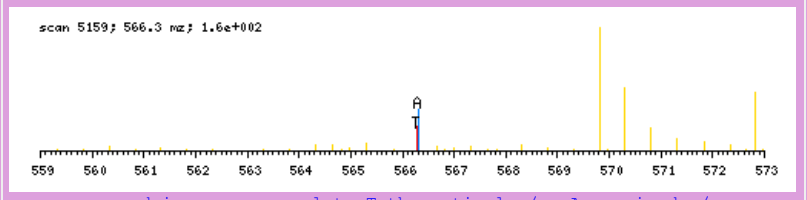
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSDNELQELSTQGSR, MH+ 1696.8566, m/z 566.2904
H OS G31 P160811 220811-s1.05162.05162.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



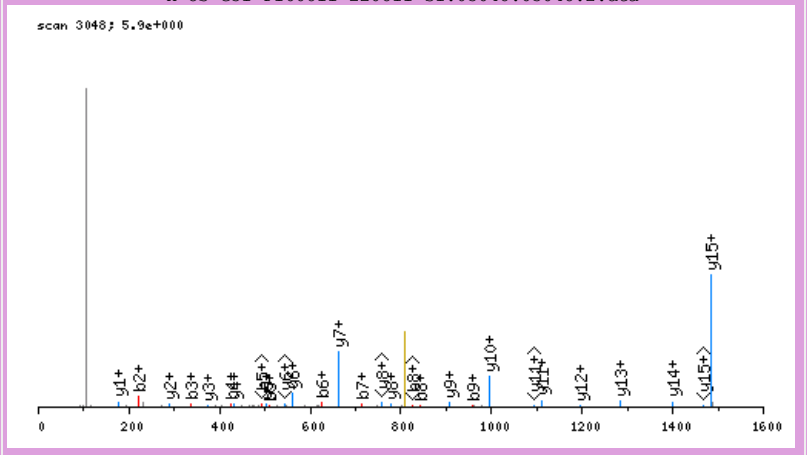
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
221.1713	2	S	14	1563.7251	782.3664
336.1983	3	D	13	1476.6930	738.8504
450.2412	4	N	12	1361.6661	681.3370
579.2838	5	E	11	1247.6232	624.3155
692.3679	6	L	10	1118.5806	559.7942
820.4264	7	Q	9	**1005.4965**	503.2522
949.4690	8	E	8	**877.4379**	439.2229
1062.5531	9	L	7	**748.3953**	**374.7016**
1149.5851	10	S	6	**635.3113**	**318.1596**
1250.6328	11	T	5	**548.2792**	274.6435
1378.6914	12	Q	4	**447.2316**	224.1197
1435.7129	13	G	3	**319.1730**	160.0904
1522.7449	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

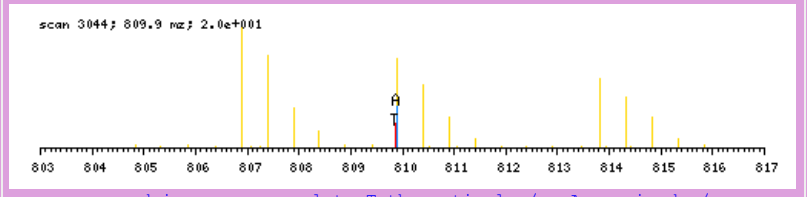
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSDSSDSMDTGAGSIR, MH+ 1618.7442, m/z 809.8758
H_OS_G31_P160811_220811-s1.03048.03048.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



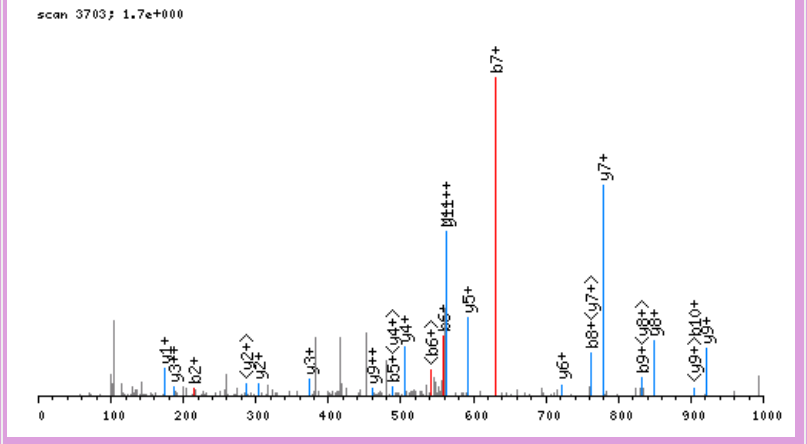
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
221.1713	2	S	15	1485.6127	743.3103
336.1983	3	D	14	1398.5807	699.7943
423.2303	4	S	13	1283.5538	642.2808
510.2623	5	S	12	1196.5217	598.7648
625.2893	6	D	11	1109.4897	555.2488
712.3213	7	S	10	994.4628	497.7353
843.3618	8	M	9	907.4307	454.2193
958.3887	9	D	8	776.3903	388.6990
1059.4364	10	T	7	661.3633	331.1856
1116.4579	11	G	6	560.3156	280.6617
1187.4950	12	A	5	503.2942	252.1510
1244.5165	13	G	4	432.2571	216.6324
1331.5485	14	S	3	375.2356	188.1217
1444.6326	15	I	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

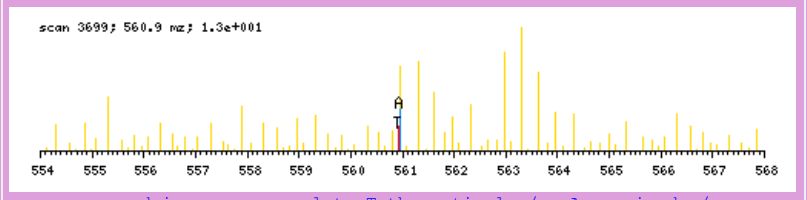
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSEGSAAMAAGESMAQR, MH+ 1680.7685, m/z 560.9277
L OS G30 P160811 220811-s1.03703.03703.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



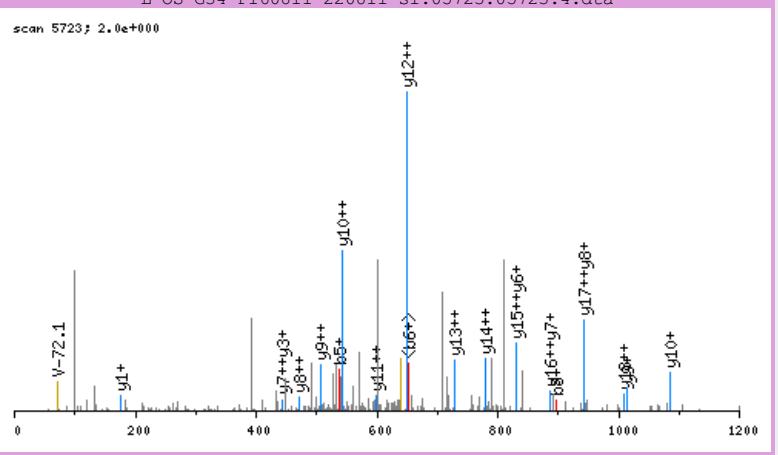
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
215.1395	2	S	16	1553.6688	777.3383
344.1821	3	E	15	1466.6368	733.8223
401.2036	4	G	14	1337.5942	669.3010
488.2356	5	S	13	1280.5727	640.7903
559.2727	6	A	12	1193.5407	597.2743
630.3099	7	A	11	1122.5036	561.7557
761.3503	8	M	10	1051.4665	526.2371
832.3875	9	A	9	920.4260	460.7169
903.4246	10	A	8	849.3889	425.1984
960.4460	11	G	7	778.3518	389.6798
1089.4886	12	E	6	721.3303	361.1691
1176.5207	13	S	5	592.2877	296.6478
1307.5611	14	M	4	505.2557	253.1318
1378.5983	15	A	3	374.2152	187.6115
1506.6568	16	Q	2	303.1781	152.0930
	17	R	1	175.1195	88.0637

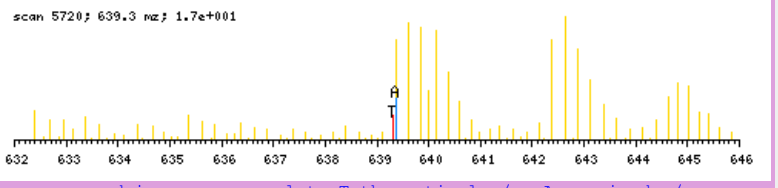
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSGEHMDLTTCPLAAGGQQEKLR, MH+ 2554.2757, m/z 639.3244
L OS G34 P160811 220811-s1.05723.05723.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



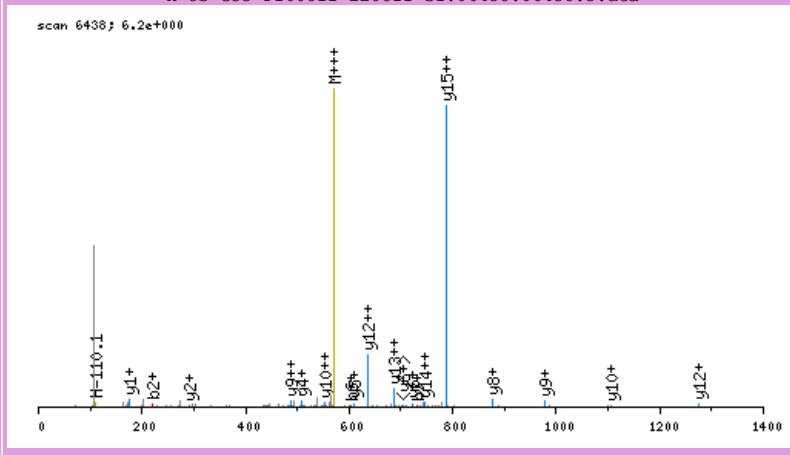
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
215.1395	2	S	22	2427.1760	1214.0919
272.1610	3	G	21	2340.1440	1170.5759
401.2036	4	E	20	2283.1225	1142.0652
538.2625	5	H	19	2154.0800	1077.5439
669.3030	6	M	18	2017.0210	**1009.0144**
784.3299	7	D	17	1885.9806	**943.4942**
897.4140	8	L	16	1770.9536	**885.9807**
998.4617	9	T	15	1657.8696	**829.4387**
1099.5094	10	T	14	1556.8219	**778.9148**
1259.5400	11	C	13	1455.7742	**728.3910**
1356.5927	12	P	12	1295.7436	**648.3757**
1469.6768	13	L	11	1198.6908	**599.8493**
1540.7139	14	A	10	**1085.6068**	**543.3073**
1611.7510	15	A	9	**1014.5697**	**507.7887**
1668.7725	16	G	8	**943.5325**	**472.2702**
1725.7939	17	G	7	**886.5111**	**443.7595**
1853.8525	18	Q	6	**829.4896**	415.2487
1981.9111	19	Q	5	701.4310	351.2194
2110.9537	20	E	4	573.3725	287.1901
2267.0800	21	K	3	**444.3299**	222.6688
2380.1641	22	L	2	288.2036	144.6057
	23	R	1	**175.1195**	88.0637

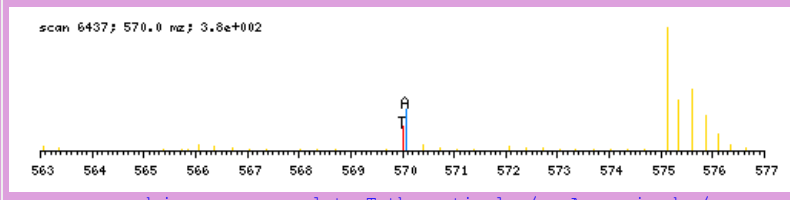
N-term:+29.04 C(11):+160.03
K(21):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSITPAEVGVLVGKDR, MH+ 1708.0645, m/z 570.0264
H OS G33 P160811 220811-s1.06438.06438.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



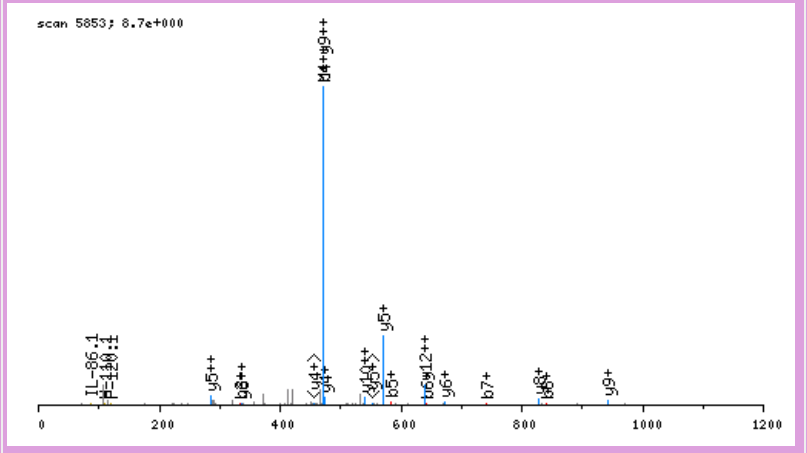
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
221.1713	2	S	15	1574.9330	**787.9704**
334.2554	3	I	14	1487.9010	**744.4544**
435.3031	4	T	13	1374.8169	**687.9124**
532.3558	5	P	12	**1273.7692**	**637.3885**
603.3930	6	A	11	1176.7165	588.8622
732.4356	7	E	10	**1105.6794**	**553.3436**
831.5040	8	V	9	**976.6368**	**488.8223**
888.5254	9	G	8	**877.5684**	439.2881
987.5938	10	V	7	820.5469	410.7774
1100.6779	11	L	6	**721.4785**	361.2432
1199.7463	12	V	5	**608.3944**	304.7011
1256.7678	13	G	4	**509.3260**	255.1669
1418.9259	14	K	3	452.3045	226.6562
1533.9528	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

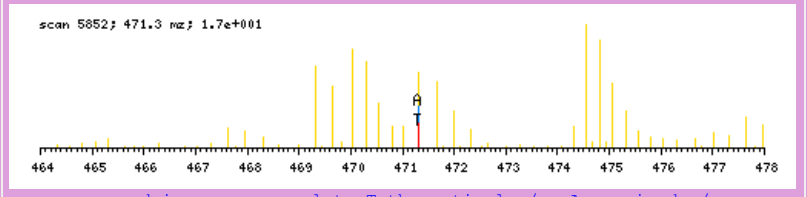
N-term:+35.07 K(14):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSLHLGVTPSVLR, MH+ 1411.8849, m/z 471.2998
H OS G33 P160811 220811-s1.05853.05853.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



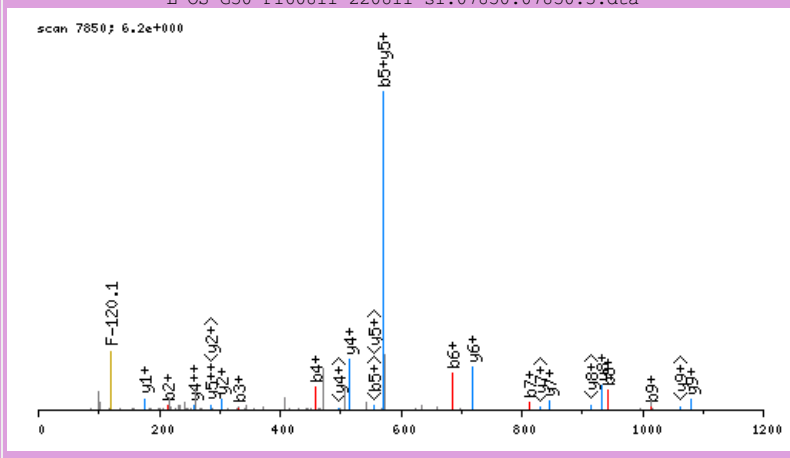
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
221.1713	2	S	12	1278.7534	**639.8806**
334.2554	3	L	11	1191.7214	596.3646
471.3143	4	H	10	1078.6373	**539.8226**
584.3984	5	L	9	**941.5784**	**471.2931**
641.4198	6	G	8	**828.4943**	414.7511
740.4883	7	V	7	771.4729	386.2403
841.5359	8	T	6	**672.4044**	**336.7061**
938.5887	9	P	5	**571.3568**	**286.1823**
1025.6207	10	S	4	**474.3040**	237.6559
1124.6891	11	V	3	387.2720	194.1399
1237.7732	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

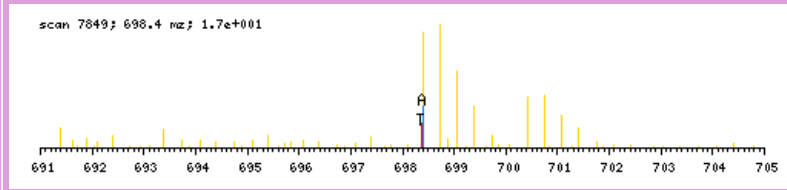
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VSNELLEEAFSQFGPIER, MH+ 2093.0555, m/z 698.3567
L OS G30 P160811 220811-s1.07850.07850.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



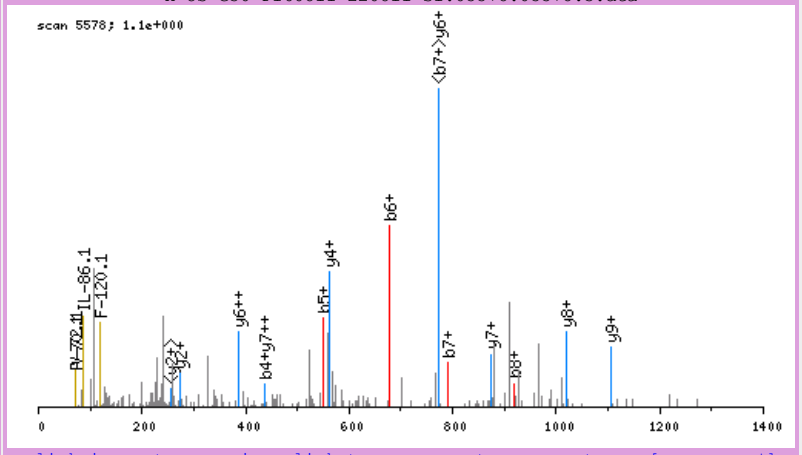
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
215.1395	2	S	17	1965.9558	983.4818
329.1825	3	N	16	1878.9238	939.9658
458.2251	4	E	15	1764.8808	882.9443
571.3091	5	L	14	1635.8382	818.4230
684.3932	6	L	13	1522.7542	761.8810
813.4358	7	E	12	1409.6701	705.3390
942.4784	8	E	11	1280.6275	640.8177
1013.5155	9	A	10	1151.5849	576.2964
1160.5839	10	F	9	1080.5478	540.7778
1247.6159	11	S	8	933.4794	467.2436
1375.6745	12	Q	7	846.4474	423.7276
1522.7429	13	F	6	718.3888	359.6983
1579.7644	14	G	5	571.3204	286.1641
1676.8172	15	P	4	514.2989	257.6534
1789.9012	16	I	3	417.2462	209.1270
1918.9438	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

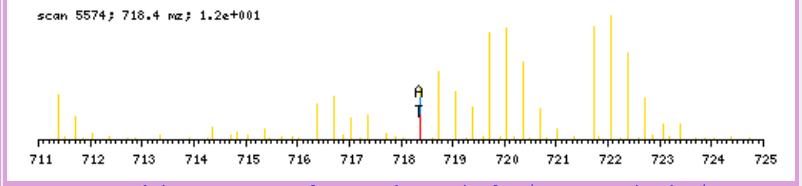
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VSSELQIQQSFVPDECPR, MH+ 2153.0760, m/z 718.3635
H OS G30 P160811 220811-s1.05578.05578.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



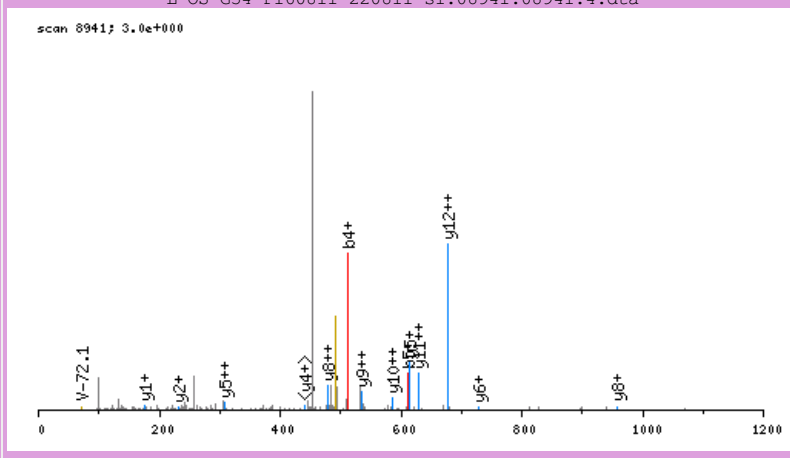
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	18		
221.1713	2	S	17	2019.9445	1010.4762
308.2034	3	S	16	1932.9125	966.9602
437.2460	4	E	15	1845.8805	923.4441
550.3300	5	L	14	1716.8379	858.9229
678.3886	6	Q	13	1603.7538	802.3808
791.4727	7	I	12	1475.6952	738.3515
919.5312	8	Q	11	1362.6112	681.8095
1047.5898	9	Q	10	1234.5526	617.7802
1134.6219	10	S	9	**1106.4940**	553.7509
1281.6903	11	F	8	**1019.4620**	510.2349
1380.7587	12	V	7	**872.3936**	**436.7007**
1477.8114	13	P	6	**773.3252**	**387.1665**
1592.8384	14	D	5	676.2724	338.6401
1721.8810	15	E	4	**561.2455**	281.1266
1881.9116	16	C	3	432.2029	216.6053
1978.9643	17	P	2	**272.1723**	136.5900
	18	R	1	175.1195	88.0637

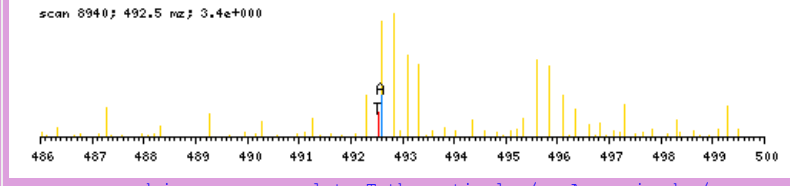
N-term:+35.07 C(16):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VTFHVPSTLEVDKIIGR, MH+ 1967.1330, m/z 492.5387
L OS G34 P160811 220811-s1.08941.08941.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



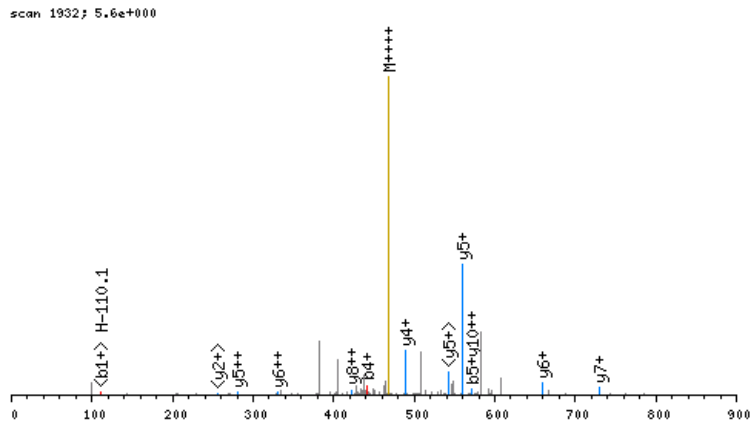
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
229.1552	2	T	16	1840.0333	920.5206
376.2236	3	F	15	1738.9856	869.9967
513.2825	4	H	14	1591.9172	796.4625
612.3509	5	V	13	1454.8583	727.9331
709.4037	6	P	12	1355.7899	**678.3989**
796.4357	7	S	11	1258.7371	**629.8725**
897.4834	8	T	10	1171.7051	**586.3565**
1010.5675	9	L	9	1070.6574	**535.8326**
1139.6101	10	E	8	**957.5733**	**479.2906**
1238.6785	11	V	7	828.5307	414.7693
1353.7054	12	D	6	**729.4623**	365.2351
1509.8317	13	K	5	**614.4354**	**307.7216**
1622.9158	14	I	4	458.3091	229.6585
1735.9998	15	I	3	345.2250	173.1164
1793.0213	16	G	2	**232.1410**	116.5744
	17	R	1	**175.1195**	88.0637

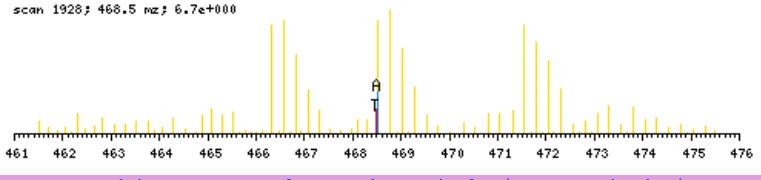
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VTGKEASCHDAVAGCPR, MH+ 1870.8903, m/z 468.4780
L OS G35 P160811 220811-s1.01932.01932.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



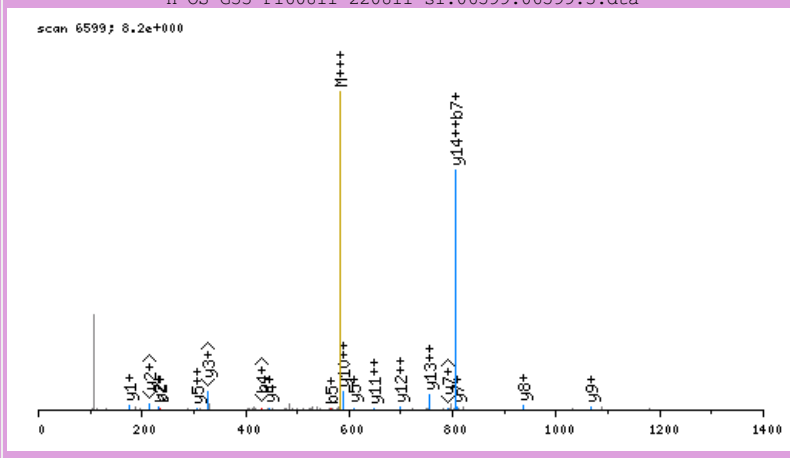
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
229.1552	2	T	16	1743.7906	872.3992
286.1767	3	G	15	1642.7429	821.8754
442.3030	4	K	14	1585.7215	793.3646
571.3455	5	E	13	1429.5952	715.3015
642.3827	6	A	12	1300.5526	650.7802
729.4147	7	S	11	1229.5155	615.2616
889.4453	8	C	10	1142.4834	**571.7456**
1026.5042	9	H	9	982.4528	491.7303
1141.5311	10	D	8	845.3939	**423.2009**
1212.5683	11	A	7	**730.3670**	365.6874
1311.6367	12	V	6	**659.3299**	**330.1688**
1382.6738	13	A	5	**560.2614**	**280.6346**
1439.6953	14	G	4	**489.2243**	245.1161
1599.7259	15	C	3	432.2029	216.6053
1696.7786	16	P	2	272.1723	136.5900
	17	R	1	175.1195	88.0637

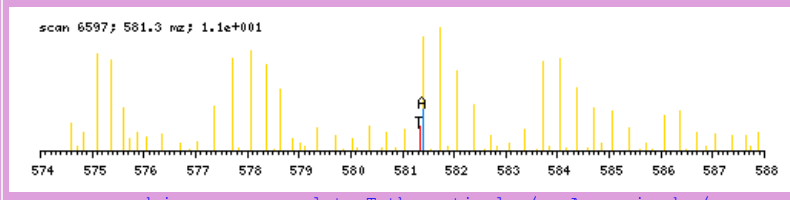
N-term:+29.04 K(4):+156.13
C(8):+160.03 C(15):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VTLTDLQEAEKTIGR, MH+ 1742.0336, m/z 581.3494
H OS G33 P160811 220811-s1.06599.06599.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



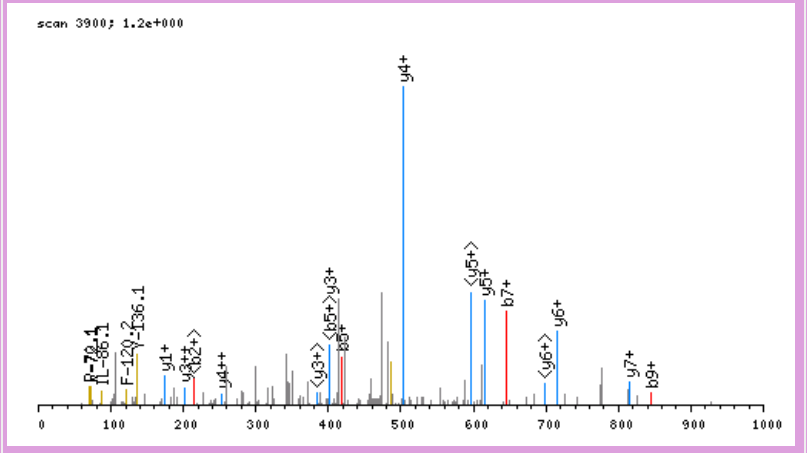
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
235.1870	2	T	14	1608.9021	**804.9550**
348.2711	3	L	13	1507.8544	**754.4311**
449.3187	4	T	12	1394.7704	**697.8891**
564.3457	5	D	11	1293.7227	**647.3653**
677.4297	6	L	10	1178.6957	**589.8518**
805.4883	7	Q	9	**1065.6117**	533.3098
934.5309	8	E	8	**937.5531**	469.2805
1005.5680	9	A	7	**808.5105**	404.7592
1134.6106	10	E	6	737.4734	369.2406
1296.7687	11	K	5	**608.4308**	**304.7193**
1397.8164	12	T	4	**446.2727**	223.6403
1510.9005	13	I	3	345.2250	173.1164
1567.9219	14	G	2	**232.1410**	116.5744
	15	R	1	**175.1195**	88.0637

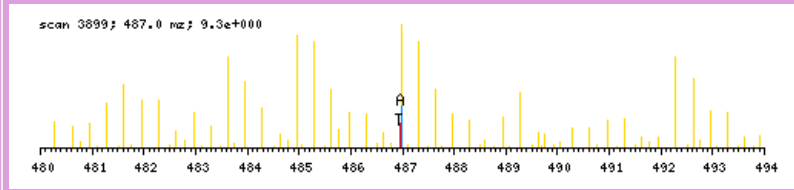
N-term:+35.07 K(11):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVAGGPEVTLTPER, MH+ 1458.8380, m/z 486.9508
H OS G30 P160811 220811-s1.03900.03900.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



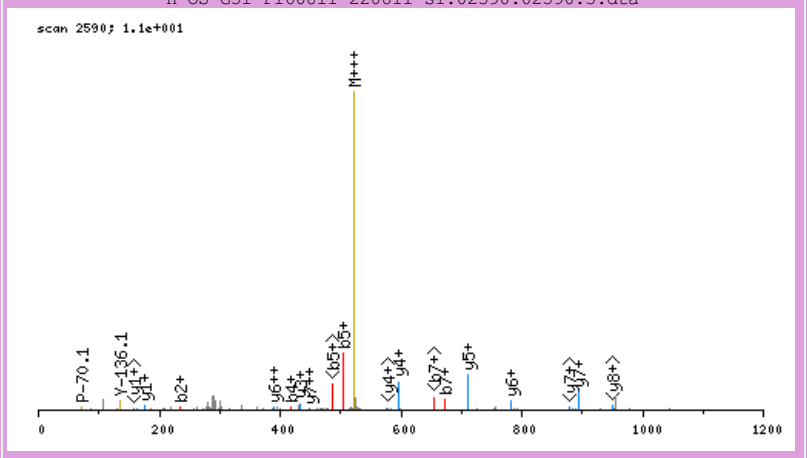
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
233.2077	2	V	13	1325.7065	663.3572
304.2448	3	A	12	1226.6381	613.8230
361.2663	4	G	11	1155.6010	578.3044
418.2878	5	G	10	1098.5795	549.7937
515.3405	6	P	9	1041.5580	521.2829
644.3831	7	E	8	944.5053	472.7566
743.4515	8	V	7	**815.4627**	408.2353
844.4992	9	T	6	**716.3943**	358.7011
957.5833	10	L	5	**615.3466**	308.1772
1058.6310	11	T	4	**502.2625**	**251.6352**
1155.6837	12	P	3	**401.2149**	**201.1113**
1284.7263	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

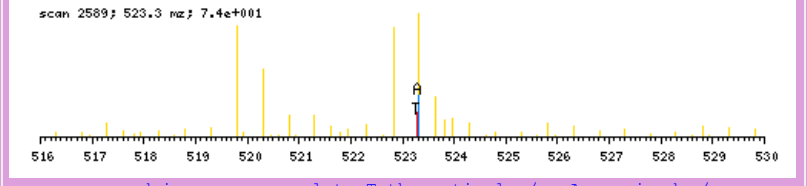
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVANSPANADYQER, MH+ 1567.7928, m/z 523.2691
H OS G31 P160811 220811-s1.02590.02590.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



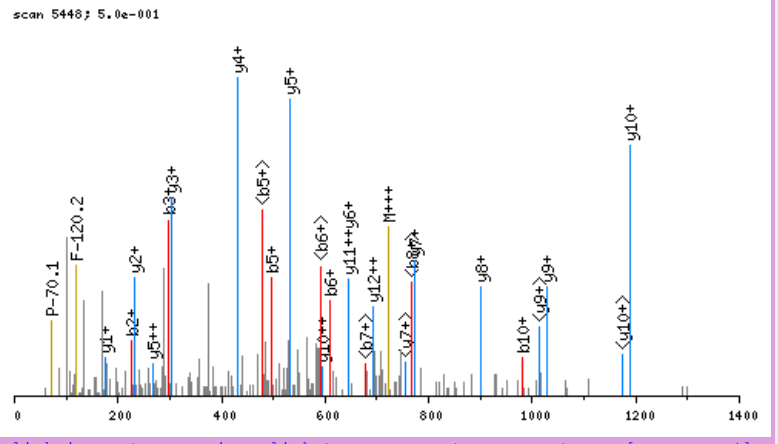
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
233.2077	2	V	13	1434.6613	717.8346
304.2448	3	A	12	1335.5929	668.3004
418.2878	4	N	11	1264.5558	632.7818
505.3198	5	S	10	1150.5129	575.7604
602.3726	6	P	9	1063.4809	532.2443
673.4097	7	A	8	966.4281	483.7180
787.4526	8	N	7	**895.3910**	**448.1994**
858.4897	9	A	6	**781.3481**	**391.1779**
973.5167	10	D	5	**710.3109**	355.6594
1136.5800	11	Y	4	**595.2840**	298.1459
1264.6386	12	Q	3	**432.2207**	216.6142
1393.6812	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

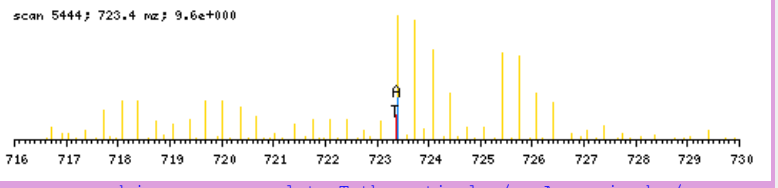
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVAPTISSPVCQEQLVEAGR, MH+ 2168.1385, m/z 723.3843
L OS G30 P160811 220811-s1.05448.05448.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



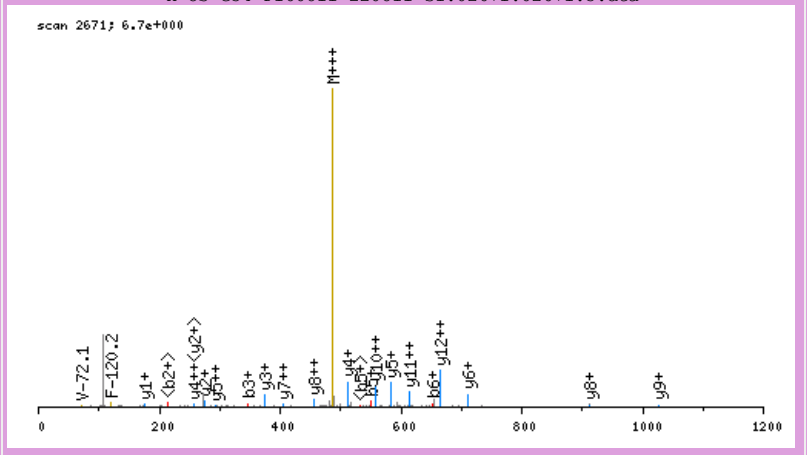
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	20		
227.1759	2	V	19	2041.0388	1021.0233
298.2130	3	A	18	1941.9704	971.4891
395.2658	4	P	17	1870.9332	935.9705
496.3135	5	T	16	1773.8805	887.4441
609.3975	6	I	15	1672.8328	836.9203
696.4296	7	S	14	1559.7487	780.3783
783.4616	8	S	13	1472.7167	736.8623
880.5144	9	P	12	1385.6847	**693.3463**
979.5828	10	V	11	1288.6319	**644.8199**
1139.6134	11	C	10	**1189.5635**	**595.2857**
1267.6720	12	Q	9	**1029.5329**	515.2704
1396.7146	13	E	8	**901.4743**	451.2411
1524.7731	14	Q	7	**772.4317**	386.7198
1637.8572	15	L	6	**644.3731**	322.6905
1736.9256	16	V	5	**531.2891**	**266.1485**
1865.9682	17	E	4	**432.2207**	216.6142
1937.0053	18	A	3	**303.1781**	152.0930
1994.0268	19	G	2	**232.1410**	116.5744
	20	R	1	**175.1195**	88.0637

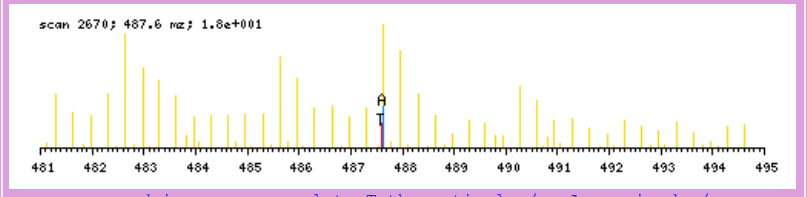
N-term:+29.04 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVDSDTVQAHTVR, MH+ 1460.7921, m/z 487.6022
H OS G34 P160811 220811-s1.02671.02671.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



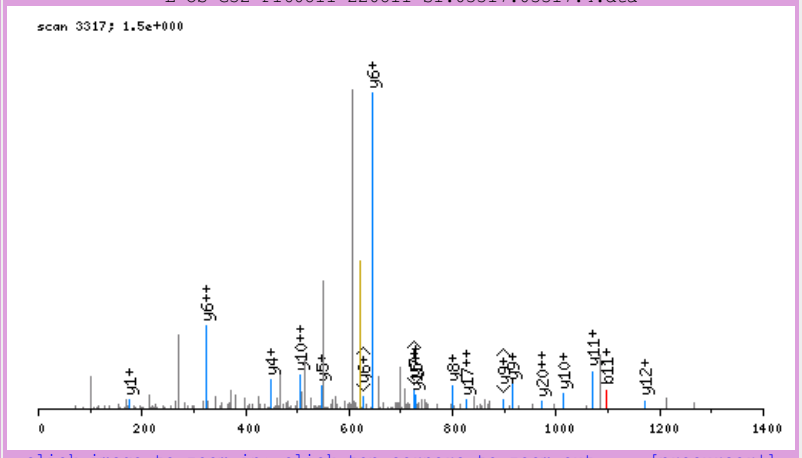
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
233.2077	2	V	12	1327.6606	**664.3342**
348.2347	3	D	11	1228.5922	**614.8000**
435.2667	4	S	10	1113.5653	**557.2865**
550.2936	5	D	9	**1026.5332**	513.7705
651.3413	6	T	8	**911.5063**	**456.2571**
750.4097	7	V	7	810.4586	**405.7332**
878.4683	8	Q	6	**711.3902**	356.1990
949.5054	9	A	5	**583.3316**	**292.1697**
1086.5643	10	H	4	**512.2945**	**256.6512**
1187.6120	11	T	3	**375.2356**	188.1217
1286.6804	12	V	2	**274.1879**	137.5979
	13	R	1	**175.1195**	88.0637

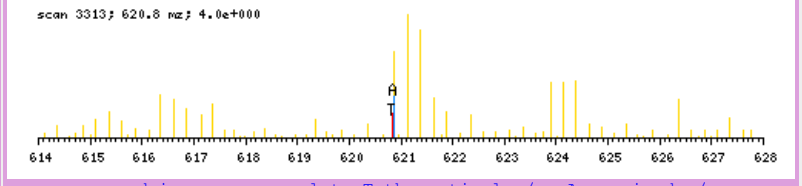
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVEGEKGAEAANVTGPDGVPVEGSR, MH+ 2480.2633, m/z 620.8213
L OS G32 P160811 220811-s1.03317.03317.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



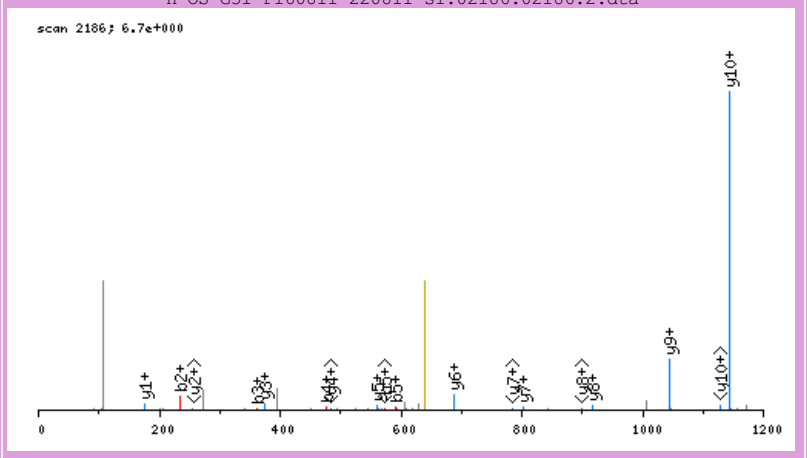
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	25		
227.1759	2	V	24	2353.1636	1177.0857
356.2185	3	E	23	2254.0952	1127.5515
413.2400	4	G	22	2125.0526	1063.0302
542.2826	5	E	21	2068.0311	1034.5195
698.4089	6	K	20	1938.9885	**969.9982**
755.4303	7	G	19	1782.8622	891.9350
826.4675	8	A	18	1725.8408	863.4243
955.5100	9	E	17	1654.8037	**827.9057**
1026.5472	10	A	16	1525.7611	763.3844
1097.5843	11	A	15	1454.7239	**727.8659**
1211.6272	12	N	14	1383.6868	692.3473
1310.6956	13	V	13	1269.6439	635.3259
1411.7433	14	T	12	**1170.5755**	585.7917
1468.7648	15	G	11	**1069.5278**	535.2678
1565.8175	16	P	10	**1012.5063**	**506.7571**
1680.8445	17	D	9	**915.4536**	458.2307
1737.8659	18	G	8	**800.4266**	400.7172
1836.9343	19	V	7	743.4052	372.2065
1933.9871	20	P	6	**644.3368**	**322.6723**
2033.0555	21	V	5	**547.2840**	274.1459
2162.0981	22	E	4	**448.2156**	224.6117
2219.1196	23	G	3	319.1730	160.0904
2306.1516	24	S	2	262.1515	131.5797
	25	R	1	**175.1195**	88.0637

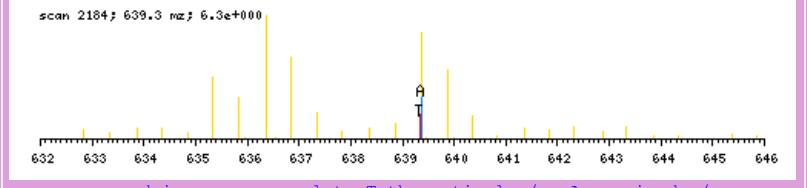
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VVENDQGEVVR, MH+ 1277.6913, m/z 639.3493
H OS G31 P160811 220811-s1.02186.02186.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



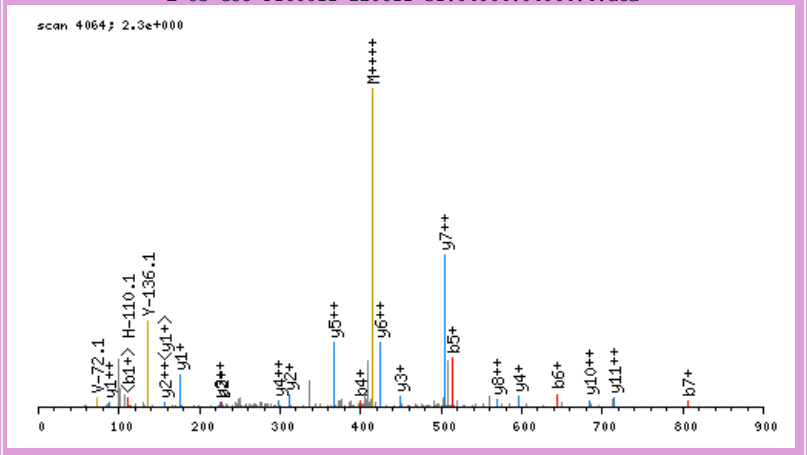
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	11		
233.2077	2	V	10	1144.5598	572.7838
362.2503	3	E	9	1045.4914	523.2496
476.2932	4	N	8	916.4488	458.7283
591.3202	5	D	7	802.4059	401.7069
719.3788	6	Q	6	687.3790	344.1934
776.4002	7	G	5	559.3204	280.1641
905.4428	8	E	4	502.2989	251.6534
1004.5112	9	V	3	373.2563	187.1321
1103.5797	10	V	2	274.1879	137.5979
	11	R	1	175.1195	88.0637

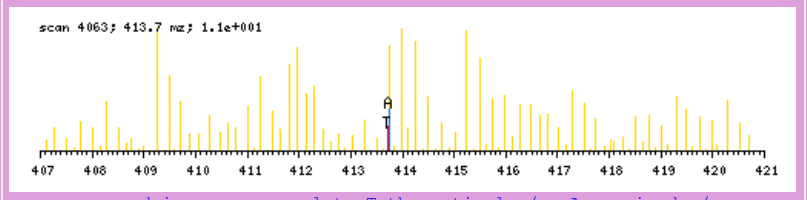
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVGDDEYLHFHHR, MH+ 1651.7981, m/z 413.7050
L OS G35 P160811 220811-s1.04064.04064.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



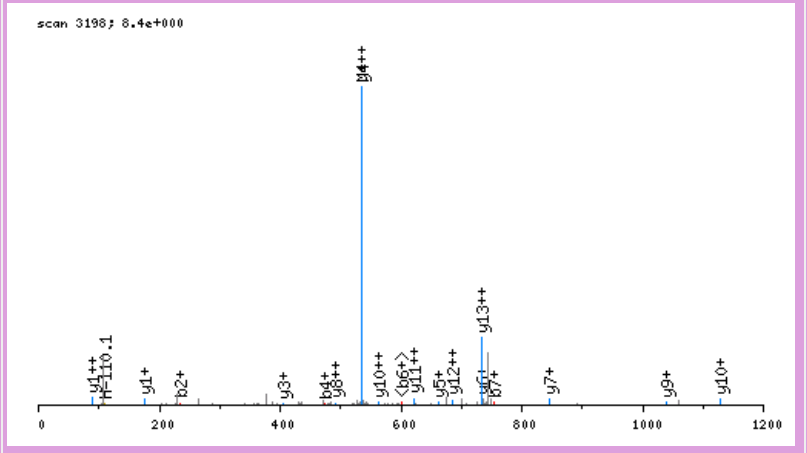
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
227.1759	2	V	12	1524.6984	762.8531
284.1974	3	G	11	1425.6300	**713.3189**
399.2243	4	D	10	1368.6085	**684.8082**
514.2513	5	D	9	1253.5816	627.2947
643.2939	6	E	8	1138.5546	**569.7812**
806.3572	7	Y	7	1009.5120	**505.2599**
919.4413	8	L	6	846.4487	**423.7283**
1056.5002	9	H	5	733.3647	**367.1862**
1203.5686	10	F	4	**596.3057**	**298.6568**
1340.6275	11	H	3	**449.2373**	**225.1226**
1477.6864	12	H	2	**312.1784**	**156.5931**
	13	R	1	**175.1195**	**88.0637**

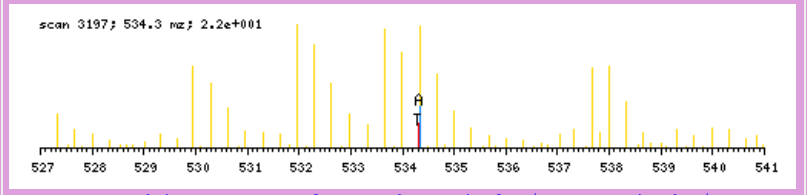
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVQLSGHLAQETER, MH+ 1600.8871, m/z 534.3005
H OS G33 P160811 220811-s1.03198.03198.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



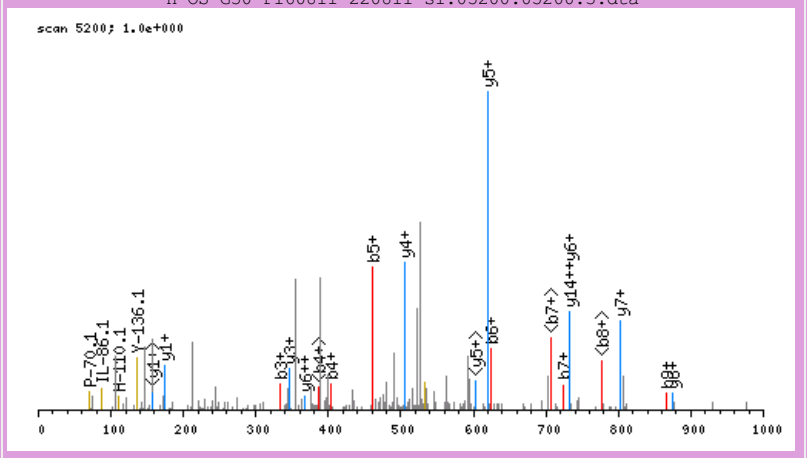
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
233.2077	2	V	13	1467.7556	**734.3817**
361.2663	3	Q	12	1368.6872	**684.8475**
474.3504	4	L	11	1240.6286	**620.8182**
561.3824	5	S	10	**1127.5445**	**564.2762**
618.4039	6	G	9	**1040.5125**	520.7602
755.4628	7	H	8	983.4910	**492.2494**
868.5468	8	L	7	**846.4321**	423.7200
939.5840	9	A	6	**733.3481**	367.1779
1067.6425	10	Q	5	**662.3109**	331.6594
1196.6851	11	E	4	**534.2524**	267.6301
1297.7328	12	T	3	**405.2098**	203.1088
1426.7754	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	**88.0637**

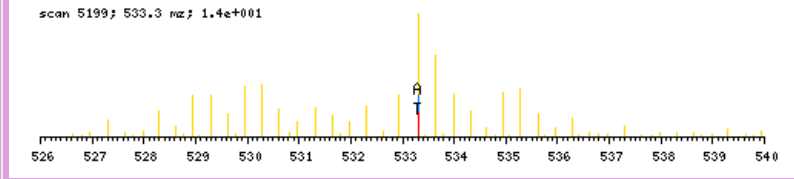
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVVAGYTAALNCAVR, MH+ 1597.8947, m/z 533.3031
H OS G30 P160811 220811-s1.05200.05200.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



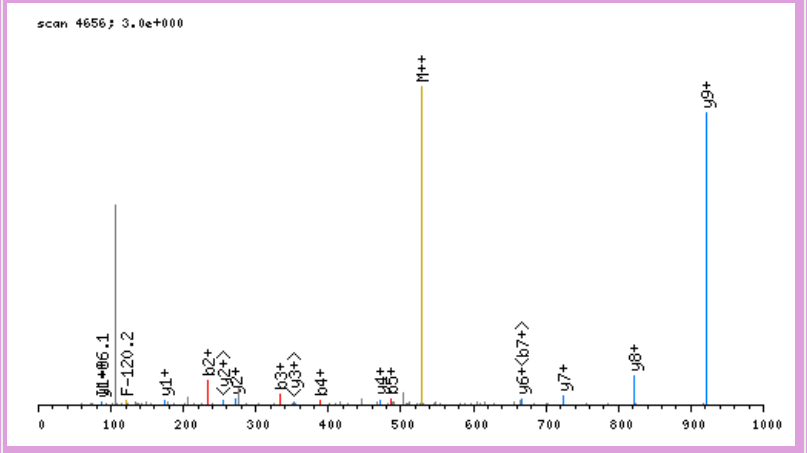
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	15		
233.2077	2	V	14	1464.7633	**732.8855**
332.2761	3	V	13	1365.6948	683.3513
403.3133	4	A	12	1266.6264	633.8171
460.3347	5	G	11	1195.5893	598.2986
623.3980	6	Y	10	1138.5679	569.7878
724.4457	7	T	9	975.5045	488.2562
795.4828	8	A	8	**874.4568**	437.7323
866.5200	9	A	7	**803.4197**	402.2138
979.6040	10	L	6	**732.3826**	**366.6952**
1093.6469	11	N	5	**619.2986**	310.1532
1253.6775	12	C	4	**505.2556**	253.1317
1324.7147	13	A	3	**345.2250**	173.1164
1423.7831	14	V	2	274.1879	137.5979
	15	R	1	**175.1195**	88.0637

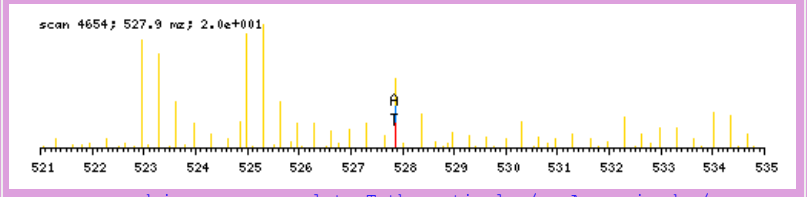
N-term:+35.07 C(12):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVVGPVVVPR, MH+ 1054.7201, m/z 527.8637
H OS G30 P160811 220811-s1.04656.04656.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	10		
233.2077	2	V	9	921.5886	461.2982
332.2761	3	V	8	822.5201	411.7640
389.2976	4	G	7	723.4517	362.2298
486.3504	5	P	6	666.4303	333.7190
585.4188	6	V	5	569.3775	285.1927
684.4872	7	V	4	470.3091	235.6585
783.5556	8	V	3	371.2407	186.1243
880.6084	9	P	2	272.1723	136.5900
	10	R	1	175.1195	88.0637

N-term:+35.07

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

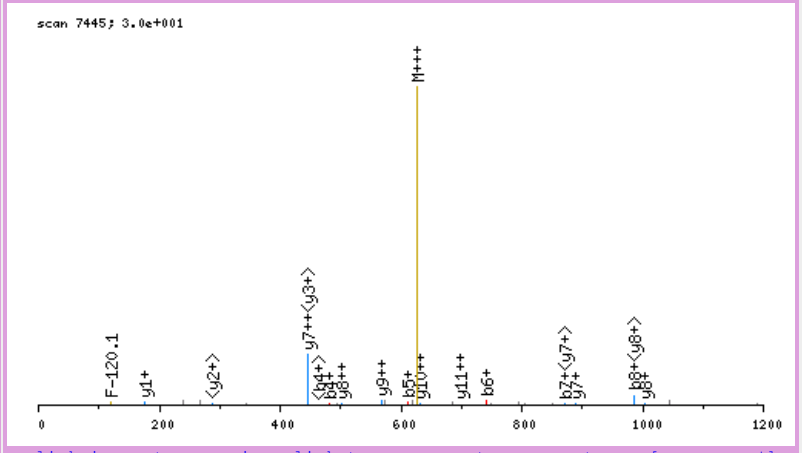
z [+] [2+] [3+]

hide H_2O/NH_3

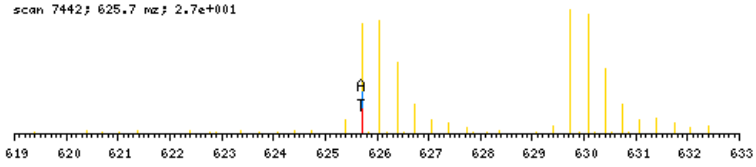
zoom 112-122

GO

VVVKEEMDASIKKMK, MH+ 1875.1064, m/z 625.7070
L OS G33 P160811 220811-s1.07445.07445.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



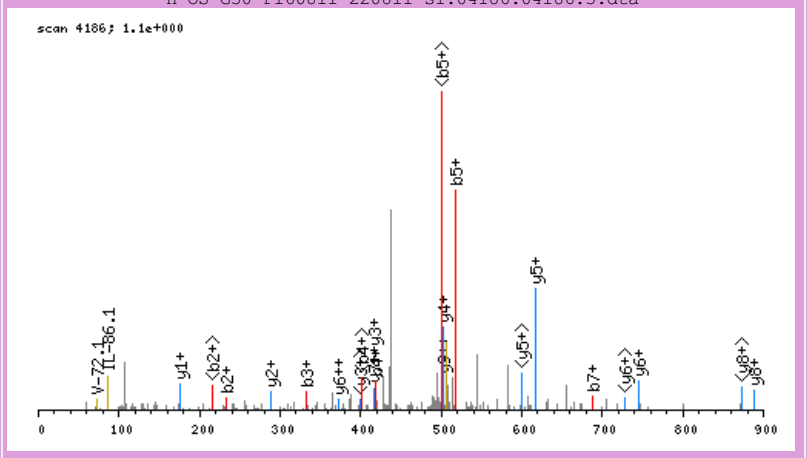
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
227.1759	2	V	14	1748.0067	874.5073
326.2443	3	V	13	1648.9383	824.9731
482.3706	4	K	12	1549.8699	775.4389
611.4132	5	E	11	1393.7436	**697.3757**
740.4558	6	E	10	1264.7010	**632.8544**
871.4963	7	M	9	1135.6584	**568.3331**
986.5233	8	D	8	**1004.6179**	**502.8129**
1057.5604	9	A	7	**889.5910**	**445.2994**
1144.5924	10	S	6	818.5539	409.7808
1257.6765	11	I	5	731.5218	366.2648
1413.8028	12	K	4	618.4378	309.7228
1569.9291	13	K	3	462.3115	231.6596
1700.9695	14	M	2	306.1852	153.5965
	15	K	1	**175.1447**	88.0763

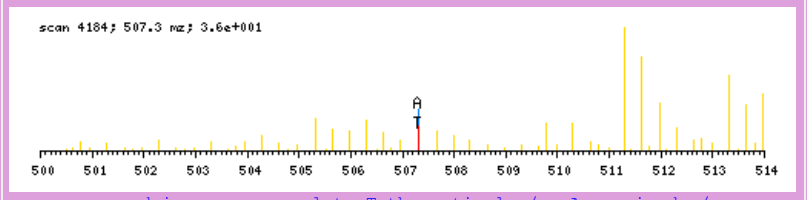
N-term:+29.04 K(4):+156.13
K(12):+156.13 K(13):+156.13
K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VVVSVIGSQNSQLR, MH+ 1519.9020, m/z 507.3055
H OS G30 P160811 220811-s1.04186.04186.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



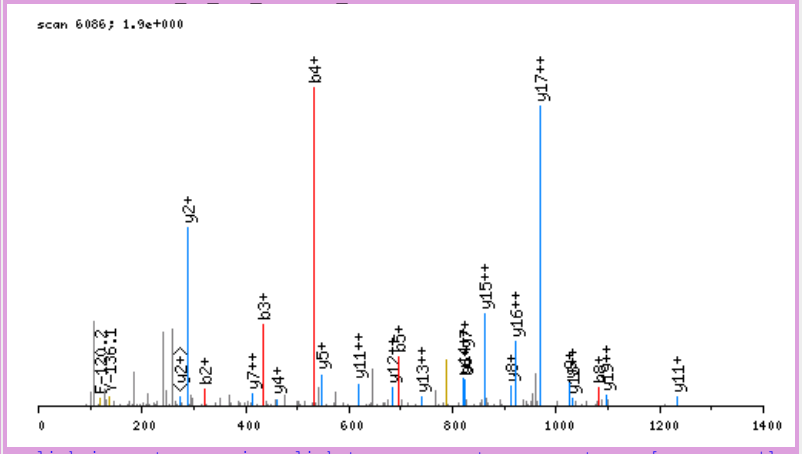
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
233.2077	2	V	13	1386.7705	693.8892
332.2761	3	V	12	1287.7021	644.3550
419.3082	4	S	11	1188.6337	594.8207
518.3766	5	V	10	1101.6016	551.3047
631.4606	6	I	9	1002.5332	**501.7705**
688.4821	7	G	8	**889.4492**	445.2285
775.5141	8	S	7	832.4277	**416.7178**
903.5727	9	Q	6	**745.3957**	**373.2018**
1017.6156	10	N	5	**617.3371**	309.1725
1104.6477	11	S	4	**503.2942**	252.1510
1232.7063	12	Q	3	**416.2621**	208.6350
1345.7903	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

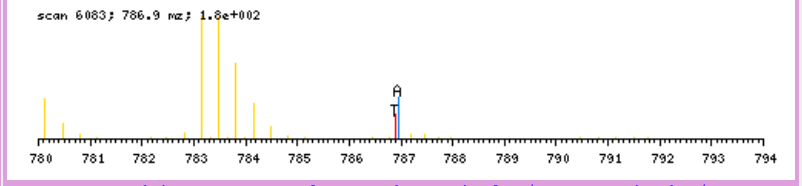
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VWLVYEQEQPLSCDEPILSNKSGDNR, MH+ 3144.5948, m/z 786.9041
H_OS_G32_P160811_220811-s1.06086.06086.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



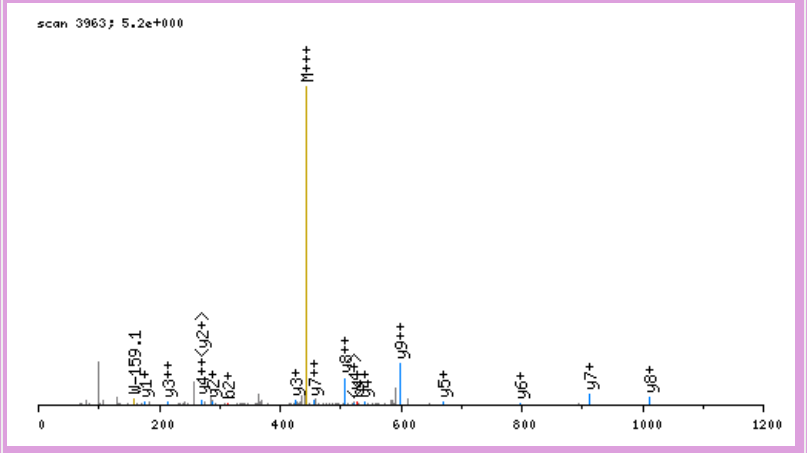
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	26		
320.2186	2	W	25	3011.4633	1506.2355
433.3027	3	L	24	2825.3840	1413.1959
532.3711	4	V	23	2712.2999	1356.6539
695.4344	5	Y	22	2613.2315	1307.1196
824.4770	6	E	21	2450.1681	1225.5880
952.5356	7	Q	20	2321.1256	1161.0667
1081.5782	8	E	19	2193.0670	**1097.0374**
1209.6368	9	Q	18	2064.0244	**1032.5161**
1306.6895	10	P	17	1935.9658	**968.4868**
1419.7736	11	L	16	1838.9130	**919.9604**
1506.8056	12	S	15	1725.8290	**863.4184**
1666.8362	13	C	14	1638.7969	**819.9024**
1781.8632	14	D	13	1478.7663	**739.8871**
1910.9058	15	E	12	1363.7394	**682.3736**
2007.9585	16	P	11	**1234.6968**	**617.8523**
2121.0426	17	I	10	1137.6440	569.3259
2234.1267	18	L	9	**1024.5600**	512.7839
2321.1587	19	S	8	**911.4759**	456.2419
2435.2016	20	N	7	**824.4439**	**412.7259**
2597.3597	21	K	6	710.4010	355.7044
2684.3917	22	S	5	**548.2429**	274.6253
2741.4132	23	G	4	**461.2108**	231.1093
2856.4402	24	D	3	404.1894	202.5986
2970.4831	25	N	2	**289.1624**	145.0851
	26	R	1	175.1195	88.0637

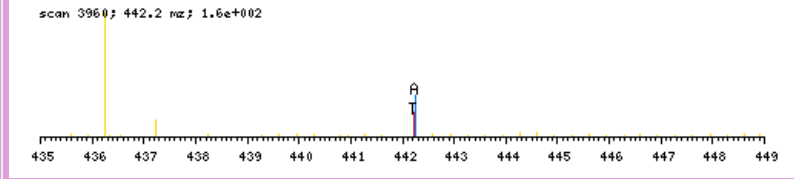
N-term:+35.07 C(13):+160.03
K(21):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VWVNEEDHLR, MH+ 1324.6649, m/z 442.2265
L OS G34 P160811 220811-s1.03963.03963.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



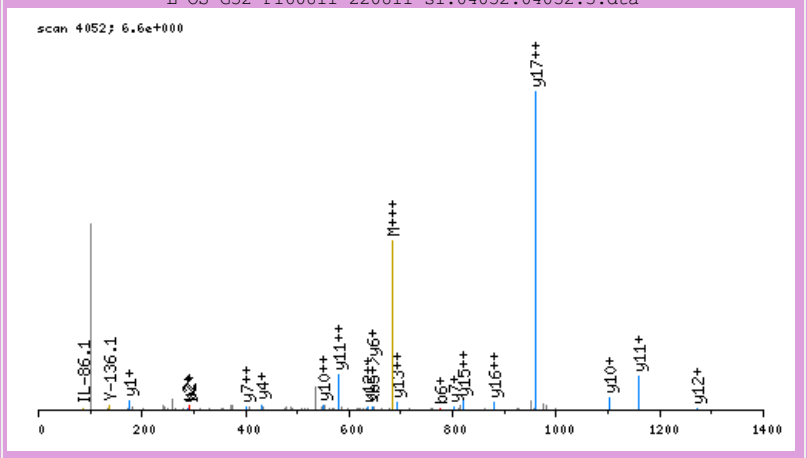
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	10		
314.1868	2	W	9	1197.5653	599.2865
413.2552	3	V	8	1011.4859	506.2469
527.2982	4	N	7	912.4175	456.7127
656.3408	5	E	6	798.3746	399.6912
785.3834	6	E	5	669.3320	335.1699
900.4103	7	D	4	540.2894	270.6486
1037.4692	8	H	3	425.2625	213.1352
1150.5533	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

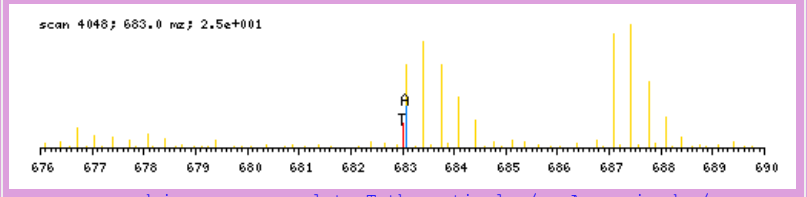
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VYDQELLGPSDKSEAALR, MH+ 2047.0712, m/z 683.0286
L OS G32 P160811 220811-s1.04052.04052.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
291.1708	2	Y	17	1919.9715	**960.4897**
406.1978	3	D	16	1756.9082	**878.9580**
534.2564	4	Q	15	1641.8812	**821.4445**
663.2990	5	E	14	1513.8226	757.4152
776.3830	6	L	13	1384.7800	**692.8939**
889.4671	7	L	12	**1271.6960**	**636.3519**
946.4885	8	G	11	**1158.6119**	**579.8099**
1043.5413	9	P	10	**1101.5904**	**551.2991**
1130.5733	10	S	9	1004.5377	502.7728
1245.6003	11	D	8	917.5057	459.2567
1401.7266	12	K	7	**802.4787**	**401.7433**
1488.7586	13	S	6	**646.3524**	323.6801
1617.8012	14	E	5	559.3204	280.1641
1688.8383	15	A	4	**430.2778**	215.6428
1759.8754	16	A	3	359.2407	180.1243
1872.9595	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

N-term:+29.04 K(12):+156.13

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

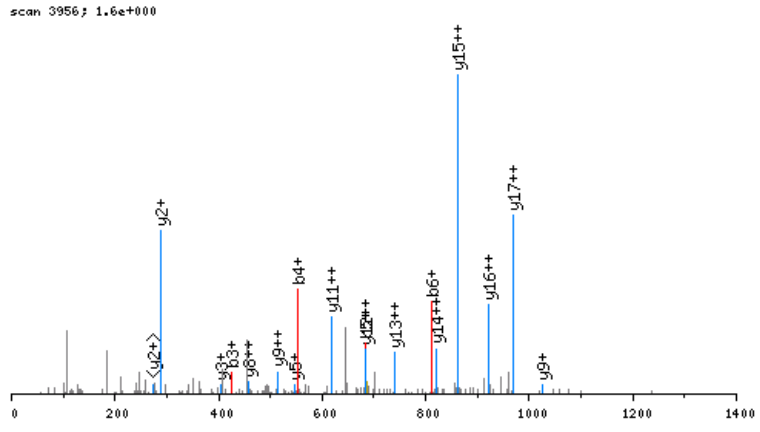
z [+] [2+] [3+]

hide H_2O/NH_3

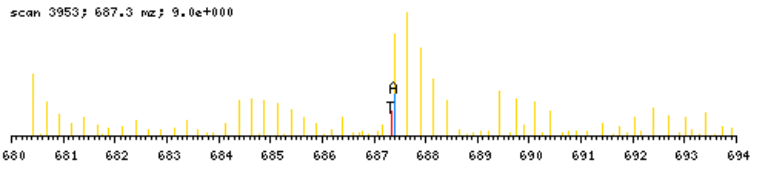
zoom 112-122

GO

VYEQEQPLSCDEPILSNKSGDNR, MH+ 2746.3630, m/z 687.3462
H OS G32 P160811 220811-s1.03956.03956.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



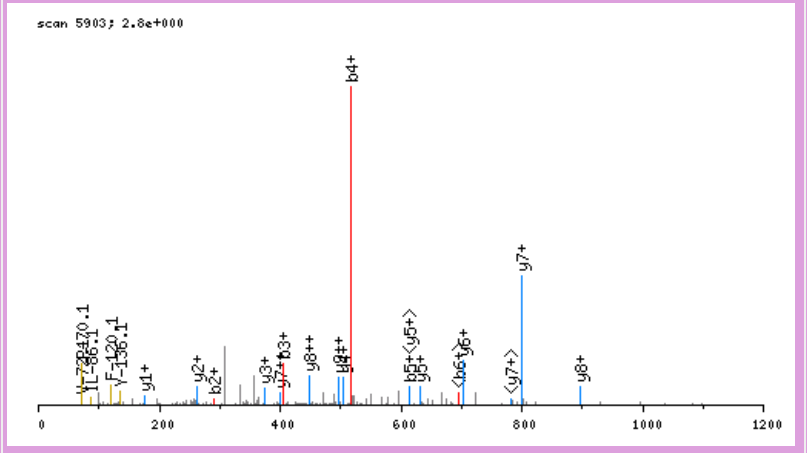
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	23		
297.2026	2	Y	22	2613.2315	1307.1196
426.2452	3	E	21	2450.1681	1225.5880
554.3038	4	Q	20	2321.1256	1161.0667
683.3464	5	E	19	2193.0670	1097.0374
811.4050	6	Q	18	2064.0244	1032.5161
908.4577	7	P	17	1935.9658	**968.4868**
1021.5418	8	L	16	1838.9130	**919.9604**
1108.5738	9	S	15	1725.8290	**863.4184**
1268.6044	10	C	14	1638.7969	**819.9024**
1383.6314	11	D	13	1478.7663	**739.8871**
1512.6740	12	E	12	1363.7394	**682.3736**
1609.7267	13	P	11	1234.6968	**617.8523**
1722.8108	14	I	10	1137.6440	569.3259
1835.8949	15	L	9	**1024.5600**	**512.7839**
1922.9269	16	S	8	911.4759	**456.2419**
2036.9698	17	N	7	824.4439	412.7259
2199.1279	18	K	6	710.4010	355.7044
2286.1600	19	S	5	**548.2429**	274.6253
2343.1814	20	G	4	461.2108	231.1093
2458.2084	21	D	3	**404.1894**	202.5986
2572.2513	22	N	2	**289.1624**	145.0851
	23	R	1	175.1195	88.0637

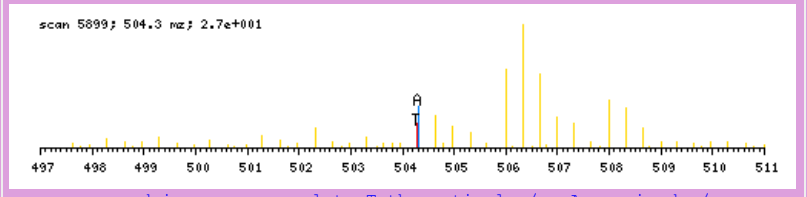
N-term:+35.07 C(10):+160.03
K(18):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VYILPPPAEQLSR, MH+ 1510.8633, m/z 504.2926
L OS G30 P160811 220811-s1.05903.05903.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



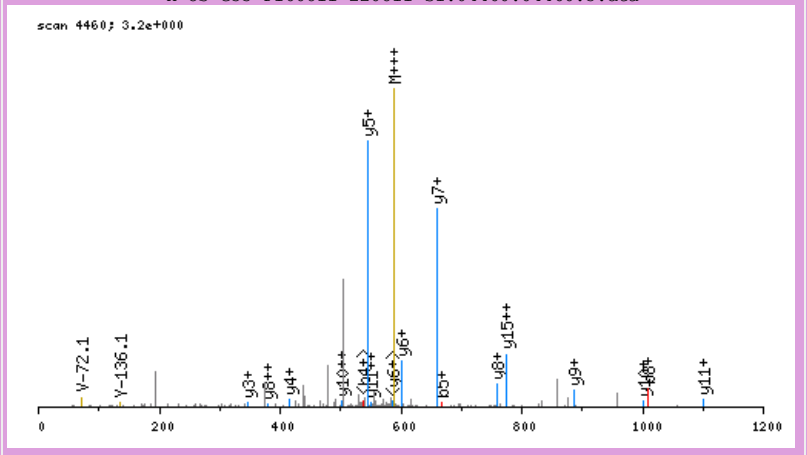
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
291.1708	2	Y	12	1383.7636	692.3857
404.2549	3	I	11	1220.7003	610.8541
517.3390	4	L	10	1107.6162	554.3120
614.3917	5	P	9	994.5322	**497.7700**
711.4445	6	P	8	**897.4794**	**449.2436**
808.4973	7	P	7	**800.4266**	**400.7172**
879.5344	8	A	6	**703.3739**	352.1909
1008.5770	9	E	5	**632.3368**	316.6723
1136.6355	10	Q	4	**503.2942**	252.1510
1249.7196	11	L	3	**375.2356**	188.1217
1336.7516	12	S	2	**262.1515**	131.5797
	13	R	1	**175.1195**	88.0637

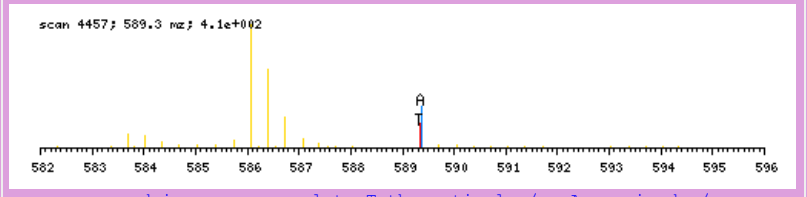
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WAKVNPDEVGGEALGR, MH+ 1765.9873, m/z 589.3340
H OS G33 P160811 220811-s1.04460.04460.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



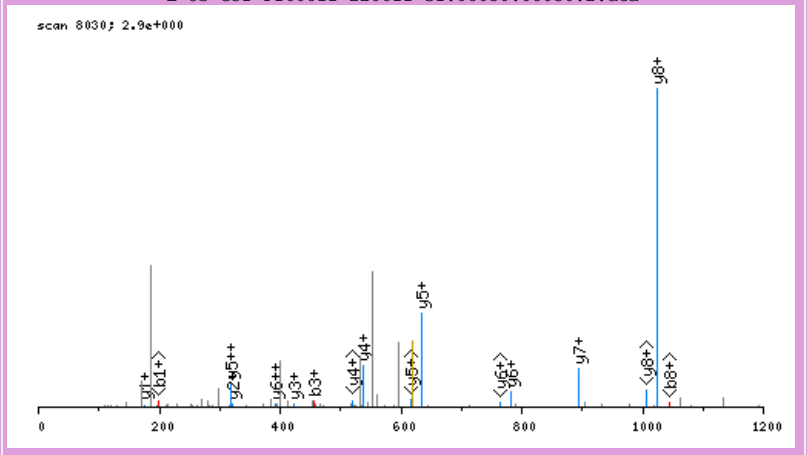
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	16		
292.1873	2	A	15	1545.8449	**773.4264**
454.3454	3	K	14	1474.8078	737.9078
553.4138	4	V	13	1312.6497	656.8288
667.4568	5	N	12	1213.5813	607.2946
764.5095	6	P	11	**1099.5384**	**550.2731**
879.5365	7	D	10	**1002.4856**	**501.7467**
1008.5791	8	E	9	**887.4587**	444.2332
1107.6475	9	V	8	**758.4161**	**379.7120**
1164.6689	10	G	7	**659.3477**	330.1777
1221.6904	11	G	6	**602.3262**	301.6670
1350.7330	12	E	5	**545.3047**	273.1563
1421.7701	13	A	4	**416.2621**	208.6350
1534.8542	14	L	3	**345.2250**	173.1164
1591.8756	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

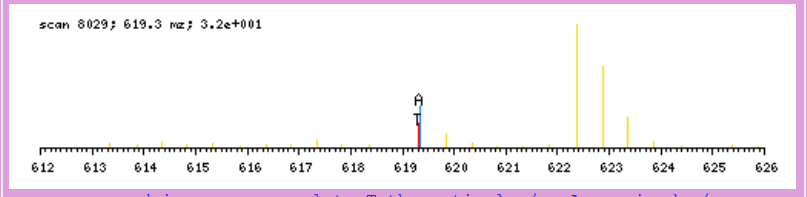
N-term:+35.07 K(3):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WEIFPNTFR, MH+ 1237.6369, m/z 619.3221
L OS G31 P160811 220811-s1.08030.08030.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



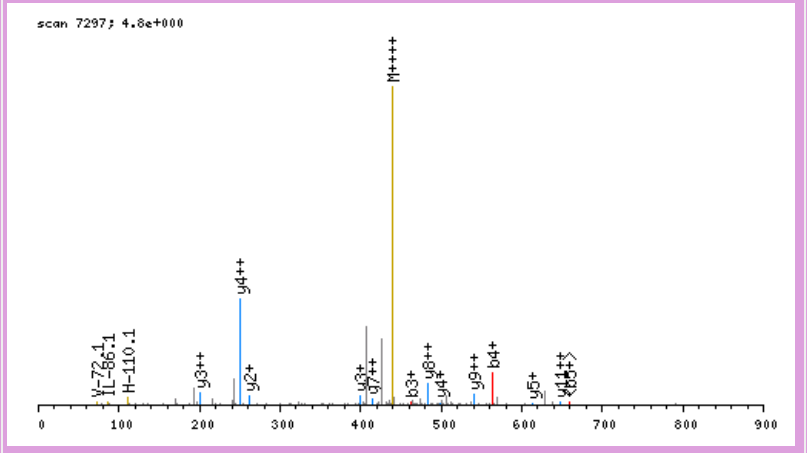
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	9		
344.1610	2	E	8	1023.5264	512.2671
457.2451	3	I	7	894.4838	447.7458
604.3135	4	F	6	781.3997	391.2038
701.3662	5	P	5	634.3313	317.6696
815.4092	6	N	4	537.2785	269.1432
916.4569	7	T	3	423.2356	212.1217
1063.5253	8	F	2	322.1879	161.5979
	9	R	1	175.1195	88.0637

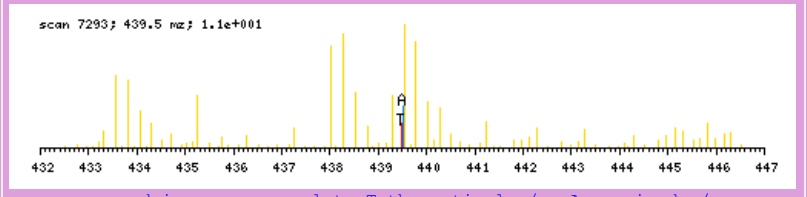
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WELTILHTNDVHSR, MH+ 1754.9402, m/z 439.4905
H OS G35 P160811 220811-s1.07297.07297.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



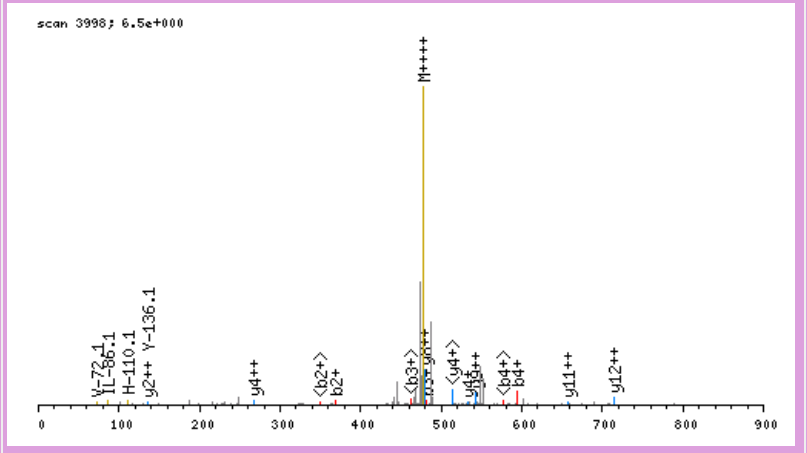
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	14		
350.1928	2	E	13	1534.7978	767.9028
463.2769	3	L	12	1405.7552	703.3815
564.3245	4	T	11	1292.6711	**646.8395**
677.4086	5	I	10	1191.6234	596.3156
790.4927	6	L	9	1078.5394	**539.7736**
927.5516	7	H	8	965.4553	**483.2316**
1028.5993	8	T	7	828.3964	**414.7021**
1142.6422	9	N	6	727.3487	364.1783
1257.6691	10	D	5	**613.3058**	307.1568
1356.7376	11	V	4	**498.2789**	**249.6433**
1493.7965	12	H	3	**399.2104**	**200.1091**
1580.8285	13	S	2	**262.1515**	131.5797
	14	R	1	175.1195	88.0637

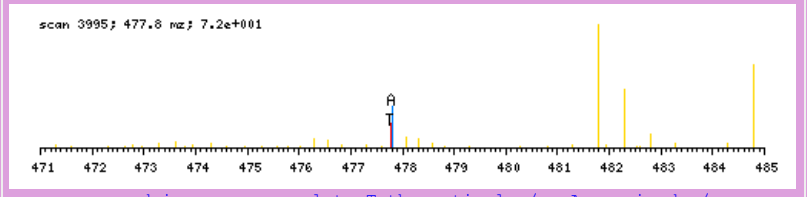
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WFIITQEILTPLFPR, MH+ 1908.1211, m/z 477.7857
H OS G34 P160811 220811-s1.03998.03998.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



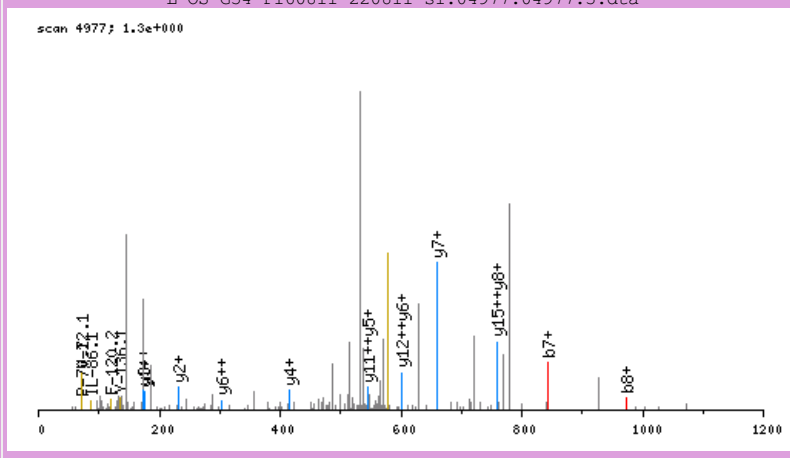
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	15		
368.2186	2	F	14	1687.9787	844.4933
481.3027	3	I	13	1540.9103	770.9591
594.3868	4	I	12	1427.8262	**714.4170**
695.4344	5	T	11	1314.7422	**657.8750**
823.4930	6	Q	10	1213.6945	607.3512
952.5356	7	E	9	1085.6359	**543.3219**
1065.6197	8	I	8	956.5933	**478.8006**
1178.7037	9	L	7	843.5092	422.2585
1279.7514	10	T	6	730.4252	365.7165
1376.8042	11	P	5	629.3775	315.1927
1489.8882	12	L	4	**532.3247**	**266.6663**
1636.9567	13	F	3	419.2407	210.1243
1734.0094	14	P	2	272.1723	**136.5900**
	15	R	1	175.1195	88.0637

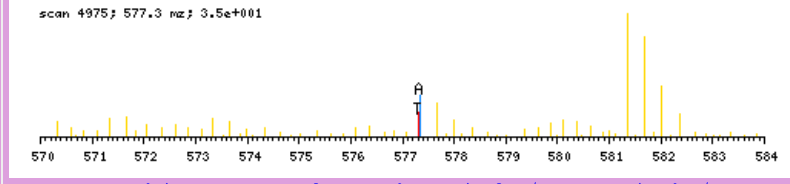
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WGKVNSDEVGGEALGR, MH+ 1729.8873, m/z 577.3006
L OS G34 P160811 220811-s1.04977.04977.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



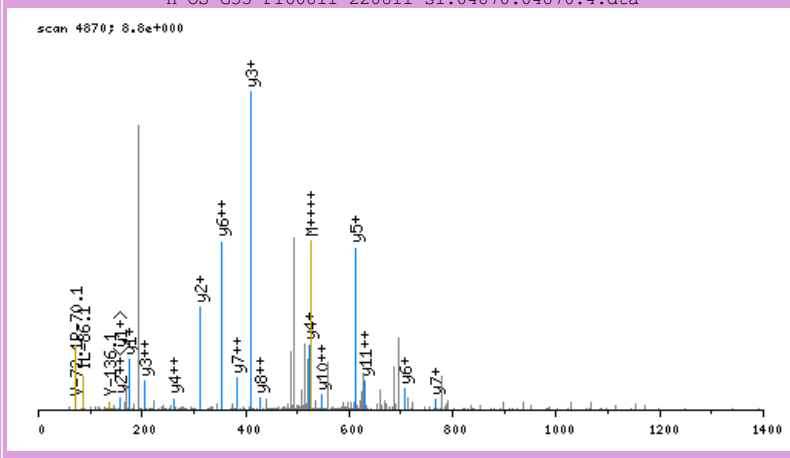
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	16		
272.1399	2	G	15	1515.7767	**758.3923**
428.2662	3	K	14	1458.7553	729.8816
527.3346	4	V	13	1302.6290	651.8184
641.3775	5	N	12	1203.5606	**602.2842**
728.4095	6	S	11	1089.5176	**545.2627**
843.4365	7	D	10	1002.4856	501.7467
972.4791	8	E	9	887.4587	444.2332
1071.5475	9	V	8	**758.4161**	379.7120
1128.5690	10	G	7	**659.3477**	330.1777
1185.5904	11	G	6	**602.3262**	**301.6670**
1314.6330	12	E	5	**545.3047**	273.1563
1385.6701	13	A	4	**416.2621**	208.6350
1498.7542	14	L	3	345.2250	**173.1164**
1555.7757	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

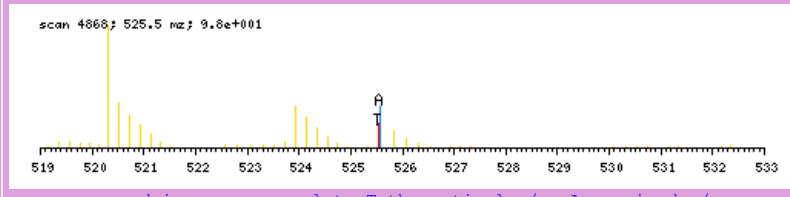
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WISKQEYDESGPSIVHR, MH+ 2099.1198, m/z 525.5354
H OS G35 P160811 220811-s1.04870.04870.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



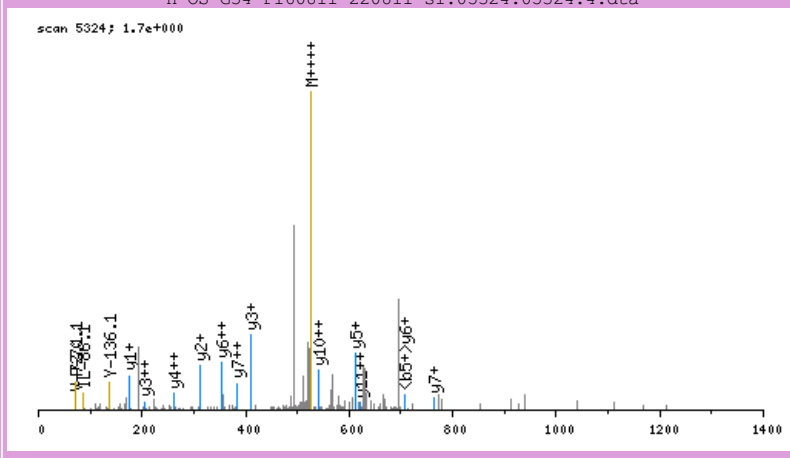
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	17		
334.2343	2	I	16	1878.9774	939.9926
421.2663	3	S	15	1765.8933	883.4506
583.4244	4	K	14	1678.8613	839.9346
711.4830	5	Q	13	1516.7032	758.8555
840.5256	6	E	12	1388.6446	694.8262
1003.5889	7	Y	11	1259.6020	**630.3049**
1118.6158	8	D	10	1096.5387	**548.7733**
1247.6584	9	E	9	981.5118	491.2598
1334.6905	10	S	8	852.4692	**426.7385**
1391.7119	11	G	7	**765.4371**	**383.2225**
1488.7647	12	P	6	**708.4157**	**354.7118**
1575.7967	13	S	5	**611.3629**	306.1854
1688.8808	14	I	4	**524.3309**	**262.6694**
1787.9492	15	V	3	**411.2468**	**206.1273**
1925.0081	16	H	2	**312.1784**	**156.5931**
	17	R	1	**175.1195**	88.0637

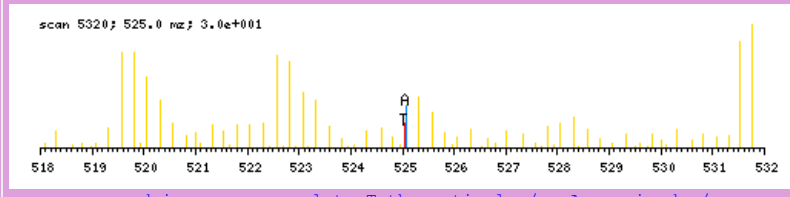
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WITKQEYDEAGPSIVHR, MH+ 2097.1405, m/z 525.0406
H OS G34 P160811 220811-s1.05324.05324.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



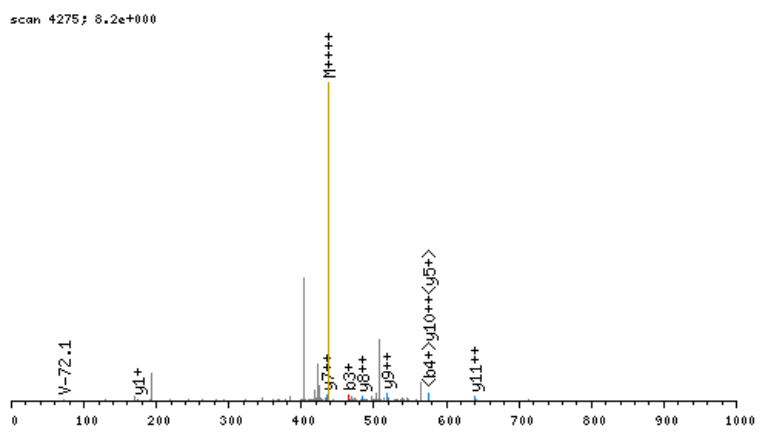
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	17		
334.2343	2	I	16	1876.9981	939.0030
435.2820	3	T	15	1763.9141	882.4609
597.4401	4	K	14	1662.8664	831.9371
725.4986	5	Q	13	1500.7083	750.8581
854.5412	6	E	12	1372.6497	686.8288
1017.6046	7	Y	11	1243.6071	**622.3075**
1132.6315	8	D	10	1080.5438	**540.7758**
1261.6741	9	E	9	965.5169	483.2623
1332.7112	10	A	8	836.4743	418.7410
1389.7327	11	G	7	**765.4371**	**383.2225**
1486.7854	12	P	6	**708.4157**	**354.7118**
1573.8175	13	S	5	**611.3629**	306.1854
1686.9015	14	I	4	524.3309	**262.6694**
1785.9699	15	V	3	**411.2468**	**206.1273**
1923.0289	16	H	2	**312.1784**	156.5931
	17	R	1	**175.1195**	88.0637

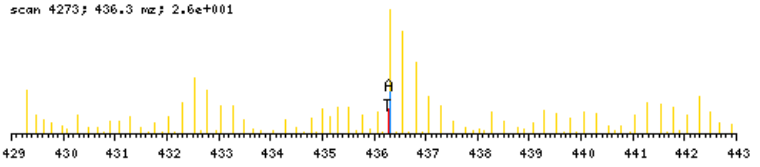
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

WNEEIAPKIKAGQR, MH+ 1742.0814, m/z 436.2758
H OS G35 P160811 220811-s1.04275.04275.4.dta



click image to zoom in; click top corners to zoom out [precursor]



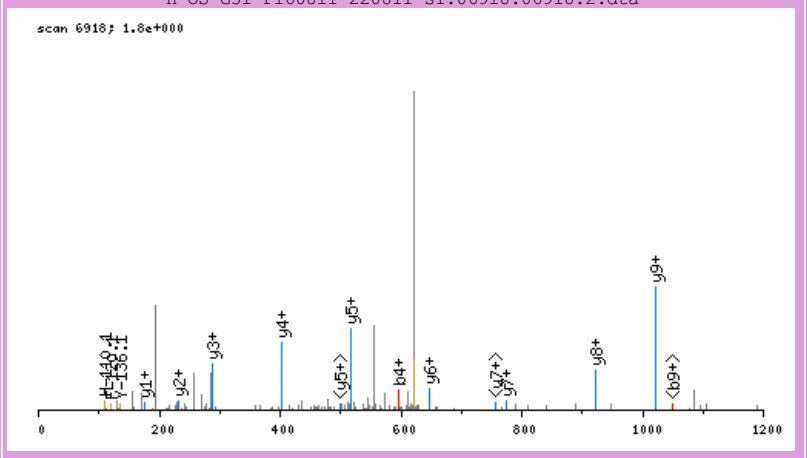
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	14		
335.1931	2	N	13	1521.9390	761.4734
464.2357	3	E	12	1407.8960	704.4519
593.2783	4	E	11	1278.8535	**639.9306**
706.3624	5	I	10	1149.8109	**575.4093**
777.3995	6	A	9	1036.7268	**518.8673**
874.4523	7	P	8	965.6897	**483.3488**
1036.6104	8	K	7	868.6369	**434.8224**
1149.6944	9	I	6	706.4788	353.7433
1311.8525	10	K	5	593.3948	297.2013
1382.8896	11	A	4	431.2367	216.1222
1439.9111	12	G	3	360.1995	180.6037
1567.9697	13	Q	2	303.1781	152.0930
	14	R	1	**175.1195**	88.0637

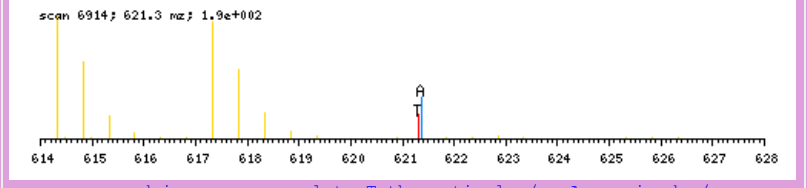
N-term:+35.07 K(8):+162.16
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WVFEEDIGGR, MH+ 1241.6378, m/z 621.3226
H_OS_G31_P160811_220811-s1.06918.06918.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



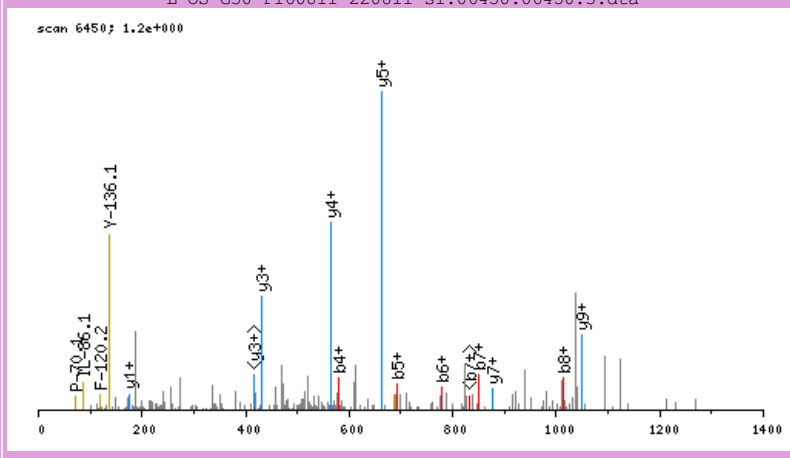
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	10		
320.2186	2	V	9	1021.4954	511.2516
467.2870	3	F	8	922.4270	461.7174
596.3296	4	E	7	775.3586	388.1832
725.3722	5	E	6	646.3160	323.6619
840.3992	6	D	5	517.2734	259.1406
953.4832	7	I	4	402.2465	201.6272
1010.5047	8	G	3	289.1624	145.0851
1067.5262	9	G	2	232.1410	116.5744
	10	R	1	175.1195	88.0637

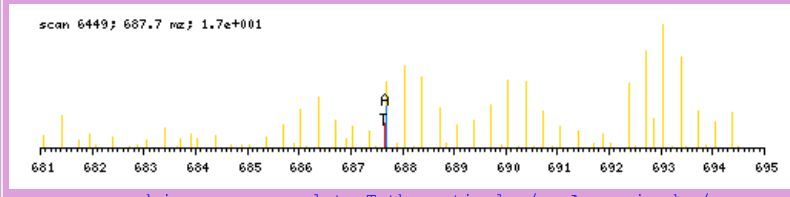
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

WYTVNSAYGDTIVMPCR, MH+ 2060.9573, m/z 687.6573
L OS G30 P160811 220811-s1.06450.06450.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



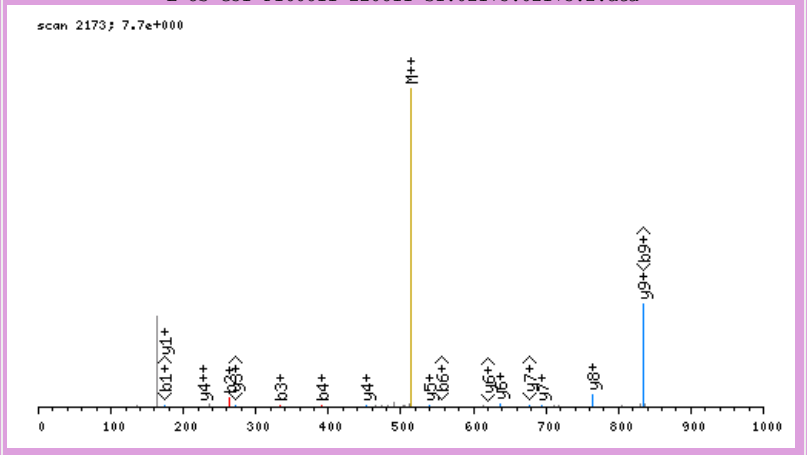
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	17		
378.1817	2	Y	16	1846.8467	923.9273
479.2294	3	T	15	1683.7834	842.3956
578.2978	4	V	14	1582.7357	791.8718
692.3408	5	N	13	1483.6673	742.3376
779.3728	6	S	12	1369.6244	685.3161
850.4099	7	A	11	1282.5924	641.8001
1013.4732	8	Y	10	1211.5552	606.2815
1070.4947	9	G	9	**1048.4919**	524.7499
1185.5216	10	D	8	991.4704	496.2391
1286.5693	11	T	7	**876.4435**	438.7257
1399.6534	12	I	6	775.3958	388.2018
1498.7218	13	V	5	**662.3118**	331.6598
1629.7623	14	M	4	**563.2433**	282.1256
1726.8150	15	P	3	**432.2029**	216.6053
1886.8456	16	C	2	335.1501	168.0790
	17	R	1	**175.1195**	88.0637

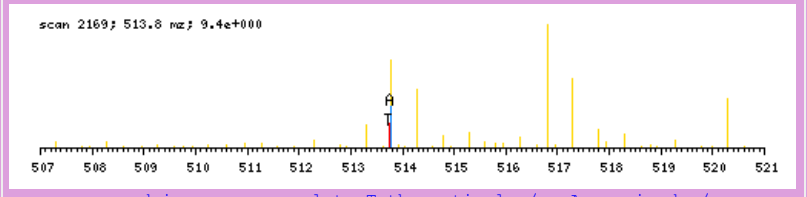
N-term:+29.04 C(16):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YAAGPSYGGR, MH+ 1026.5008, m/z 513.7541
L OS G31 P160811 220811-s1.02173.02173.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



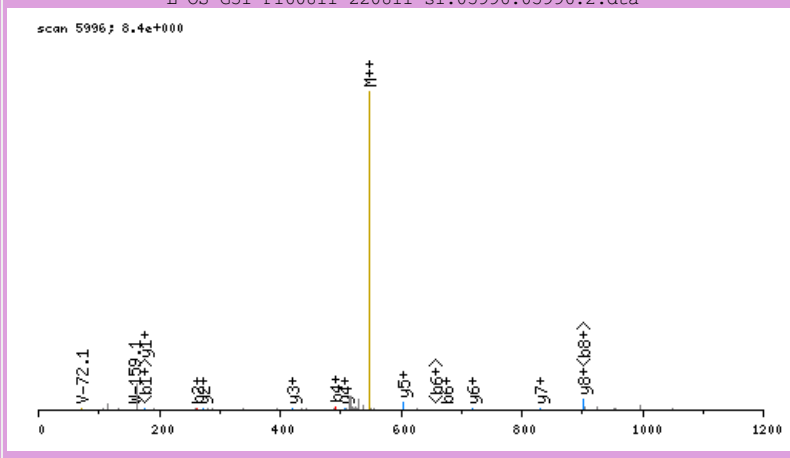
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	10		
263.1395	2	A	9	835.4062	418.2070
334.1767	3	A	8	764.3691	382.6885
391.1981	4	G	7	693.3320	347.1699
488.2509	5	P	6	636.3105	318.6592
575.2829	6	S	5	539.2578	270.1328
738.3462	7	Y	4	452.2258	226.6168
795.3677	8	G	3	289.1624	145.0851
852.3892	9	G	2	232.1410	116.5744
	10	R	1	175.1195	88.0637

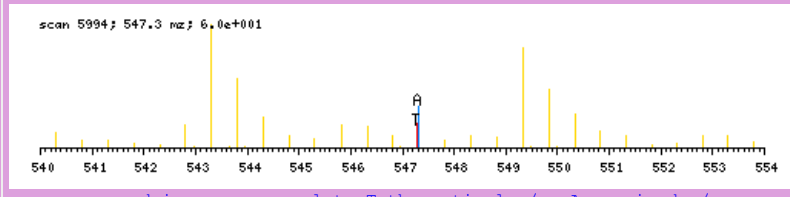
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YALDPSFPR, MH+ 1093.5682, m/z 547.2877
L OS G31 P160811 220811-s1.05996.05996.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



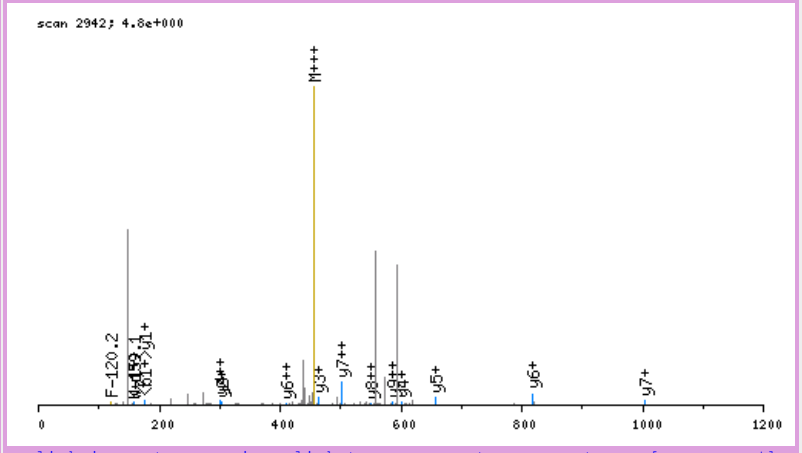
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	9		
263.1395	2	A	8	902.4736	451.7407
376.2236	3	L	7	831.4365	416.2222
491.2505	4	D	6	718.3524	359.6801
588.3033	5	P	5	603.3255	302.1666
675.3353	6	S	4	506.2727	253.6403
822.4038	7	F	3	419.2407	210.1243
919.4565	8	P	2	272.1723	136.5900
	9	R	1	175.1195	88.0637

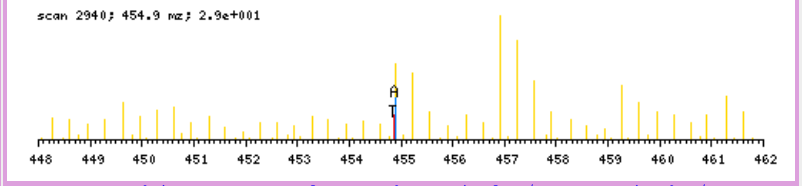
N-term:+29.04

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: ○AVG ◉MONO
Axis: ◉1 ○2
Label: ◉I ○M ○-
Ions:
a ☐+ ☐2+ ☐3+
b ☑+ ☐2+ ☐3+
c ☐+ ☐2+ ☐3+
x ☐+ ☐2+ ☐3+
y ☑+ ☑2+ ☐3+
z ☐+ ☐2+ ☐3+
hide H_2O/NH_3 ☐
zoom 112-122 ☐
GO

YAPWCGHCQR, MH+ 1362.5834, m/z 454.8660
L OS G34 P160811 220811-s1.02942.02942.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



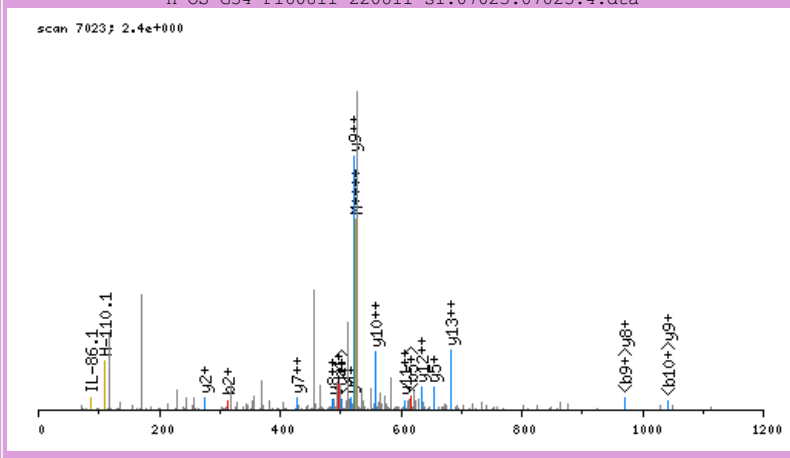
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	10		
263.1395	2	A	9	1171.4888	**586.2483**
360.1923	3	P	8	1100.4517	**550.7298**
546.2716	4	W	7	**1003.3990**	**502.2034**
706.3022	5	C	6	**817.3197**	**409.1637**
763.3237	6	G	5	**657.2891**	329.1484
900.3826	7	H	4	**600.2676**	**300.6377**
1060.4132	8	C	3	**463.2087**	232.1083
1188.4718	9	Q	2	**303.1781**	152.0930
	10	R	1	**175.1195**	88.0637

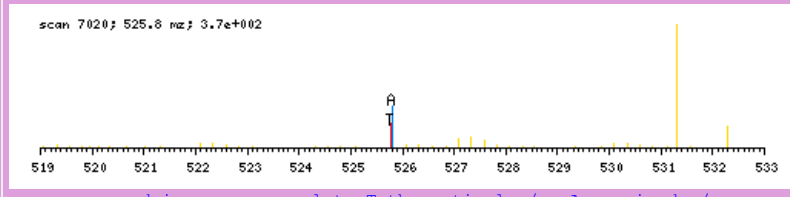
N-term:+29.04 C(5):+160.03
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YDIAHTPGVAADLSHIETR, MH+ 2100.0938, m/z 525.7789
H OS G34 P160811 220811-s1.07023.07023.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



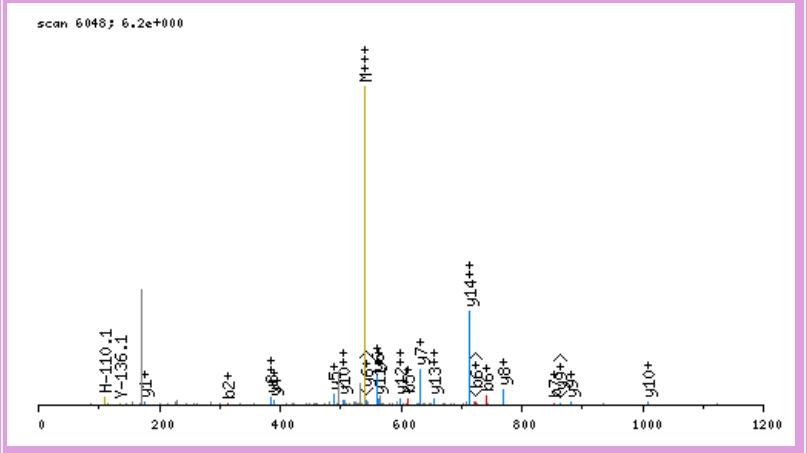
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	19		
313.1612	2	D	18	1902.9674	951.9876
426.2452	3	I	17	1787.9404	894.4741
497.2823	4	A	16	1674.8564	837.9321
634.3413	5	H	15	1603.8192	802.4135
735.3889	6	T	14	1466.7603	733.8841
832.4417	7	P	13	1365.7127	**683.3602**
889.4632	8	G	12	1268.6599	**634.8339**
988.5316	9	V	11	1211.6384	**606.3231**
1059.5687	10	A	10	1112.5700	**556.7889**
1130.6058	11	A	9	**1041.5329**	**521.2704**
1245.6328	12	D	8	**970.4958**	**485.7518**
1358.7168	13	L	7	855.4688	**428.2383**
1445.7488	14	S	6	742.3848	371.6963
1582.8078	15	H	5	**655.3527**	328.1803
1695.8918	16	I	4	**518.2938**	259.6508
1824.9344	17	E	3	405.2098	203.1088
1925.9821	18	T	2	**276.1672**	138.5875
	19	R	1	175.1195	88.0637

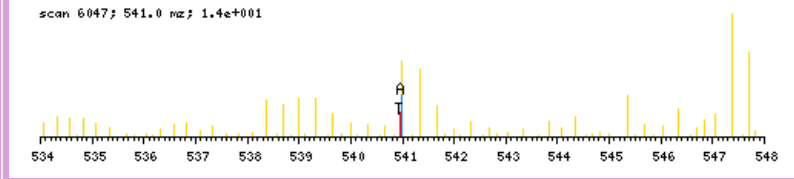
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YDLADQLHAAVGASR, MH+ 1620.8558, m/z 540.9568
H OS G33 P160811 220811-s1.06048.06048.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



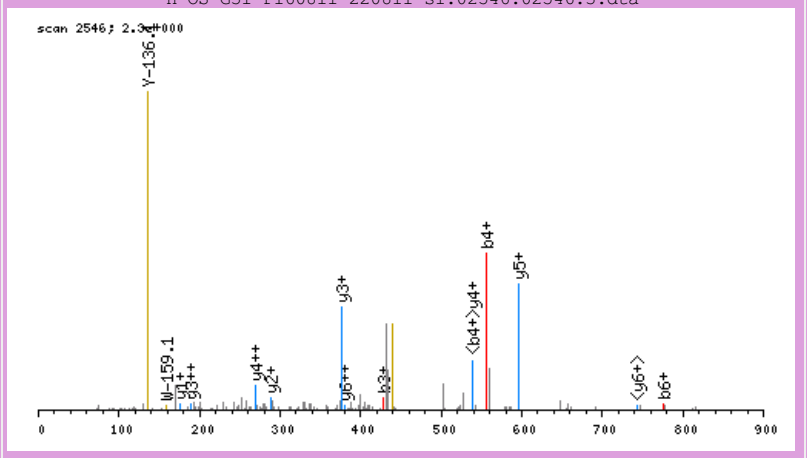
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	15		
313.1612	2	D	14	1423.7294	**712.3686**
426.2452	3	L	13	1308.7024	**654.8551**
497.2823	4	A	12	1195.6184	**598.3131**
612.3093	5	D	11	1124.5812	**562.7945**
740.3679	6	Q	10	**1009.5543**	**505.2811**
853.4519	7	L	9	**881.4957**	441.2518
990.5108	8	H	8	**768.4117**	**384.7097**
1061.5480	9	A	7	**631.3527**	316.1803
1132.5851	10	A	6	**560.3156**	280.6617
1231.6535	11	V	5	**489.2785**	245.1432
1288.6750	12	G	4	**390.2101**	195.6090
1359.7121	13	A	3	333.1886	167.0982
1446.7441	14	S	2	262.1515	131.5797
	15	R	1	**175.1195**	88.0637

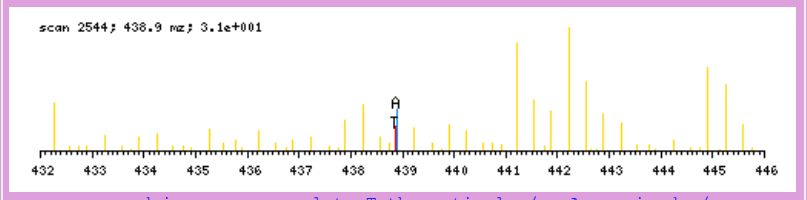
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YDNEYGYSNR, MH+ 1314.5814, m/z 438.8653
H OS G31 P160811 220811-s1.02546.02546.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



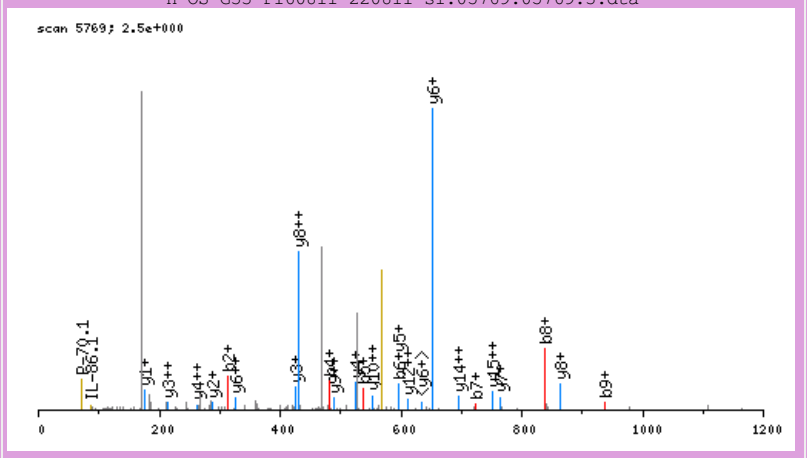
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	10		
313.1612	2	D	9	1117.4550	559.2314
427.2041	3	N	8	1002.4281	501.7180
556.2467	4	E	7	888.3852	444.6965
719.3100	5	Y	6	759.3426	**380.1752**
776.3315	6	G	5	**596.2792**	298.6435
939.3948	7	Y	4	**539.2578**	**270.1328**
1026.4268	8	S	3	**376.1945**	**188.6011**
1140.4698	9	N	2	**289.1624**	145.0851
	10	R	1	**175.1195**	88.0637

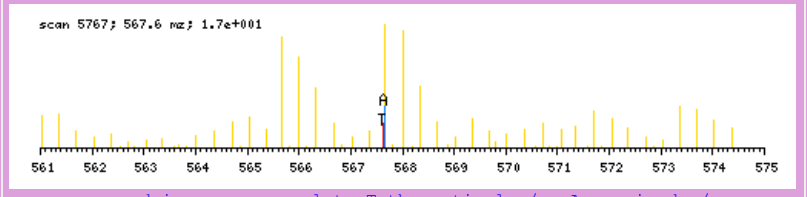
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YDPAGGEDPLGAVHLR, MH+ 1700.8820, m/z 567.6322
H OS G33 P160811 220811-s1.05769.05769.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



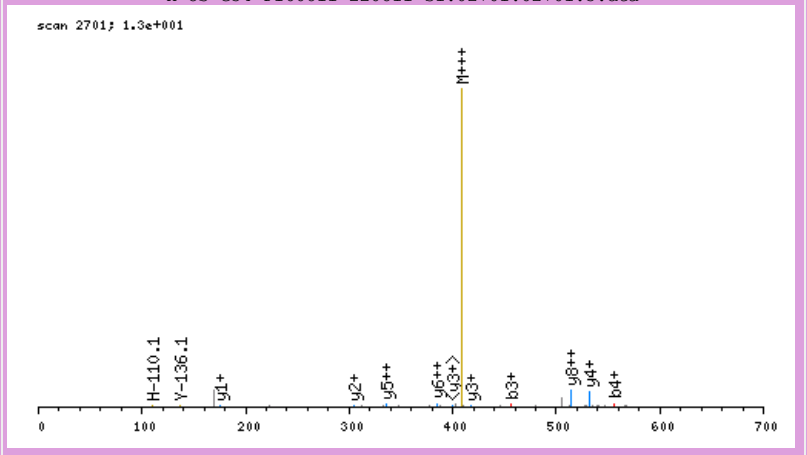
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
313.1612	2	D	15	1503.7556	**752.3817**
410.2139	3	P	14	1388.7286	**694.8682**
481.2510	4	A	13	1291.6759	646.3418
538.2725	5	G	12	1220.6388	**610.8233**
595.2940	6	G	11	1163.6173	582.3126
724.3366	7	E	10	1106.5958	**553.8018**
839.3635	8	D	9	977.5532	**489.2805**
936.4163	9	P	8	**862.5263**	**431.7671**
1049.5003	10	L	7	**765.4735**	383.2407
1106.5218	11	G	6	**652.3895**	**326.6986**
1177.5589	12	A	5	**595.3680**	298.1879
1276.6273	13	V	4	**524.3309**	**262.6694**
1413.6862	14	H	3	**425.2625**	**213.1352**
1526.7703	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

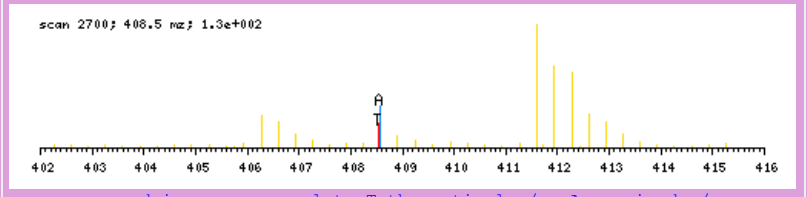
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YEEVHDLER, MH+ 1223.6120, m/z 408.5422
H OS G34 P160811 220811-s1.02701.02701.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



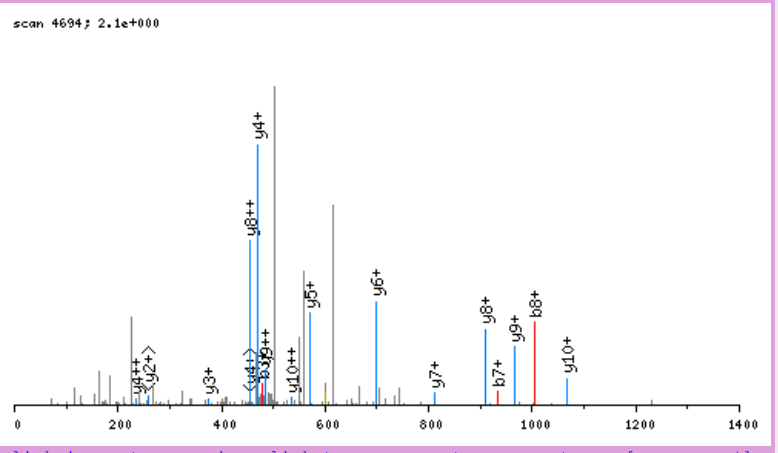
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	9		
327.1768	2	E	8	1026.4856	**513.7467**
456.2194	3	E	7	897.4430	449.2254
555.2878	4	V	6	768.4004	**384.7041**
692.3467	5	H	5	669.3320	**335.1699**
807.3737	6	D	4	**532.2731**	266.6405
920.4577	7	L	3	**417.2462**	209.1270
1049.5003	8	E	2	**304.1621**	152.5850
	9	R	1	**175.1195**	88.0637

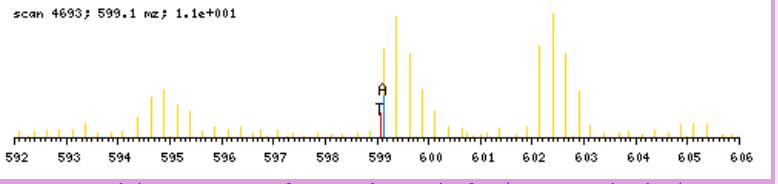
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YEKPQTEAPQVTGPIEVPVVR, MH+ 2393.3080, m/z 599.0825
L OS G32 P160811 220811-s1.04694.04694.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



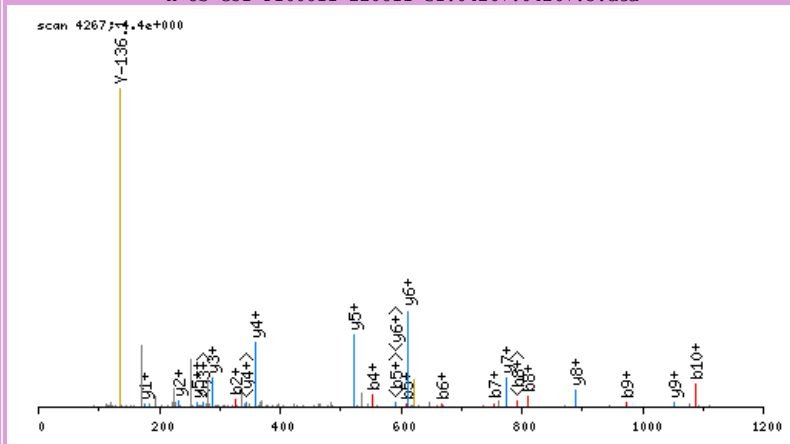
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	21		
321.1450	2	E	20	2202.2134	1101.6106
477.2713	3	K	19	2073.1709	1037.0893
574.3241	4	P	18	1917.0446	959.0262
702.3827	5	Q	17	1819.9918	910.4998
803.4303	6	T	16	1691.9332	846.4705
932.4729	7	E	15	1590.8855	795.9467
1003.5100	8	A	14	1461.8429	731.4254
1100.5628	9	P	13	1390.8058	695.9068
1228.6214	10	Q	12	1293.7531	647.3804
1327.6898	11	V	11	1165.6945	583.3512
1428.7375	12	T	10	**1066.6261**	**533.8169**
1485.7589	13	G	9	**965.5784**	**483.2931**
1582.8117	14	P	8	**908.5569**	**454.7824**
1695.8958	15	I	7	**811.5042**	406.2560
1824.9384	16	E	6	**698.4201**	349.7140
1924.0068	17	V	5	**569.3775**	285.1927
2021.0595	18	P	4	**470.3091**	**235.6585**
2120.1280	19	V	3	**373.2563**	187.1321
2219.1964	20	V	2	274.1879	137.5979
	21	R	1	175.1195	88.0637

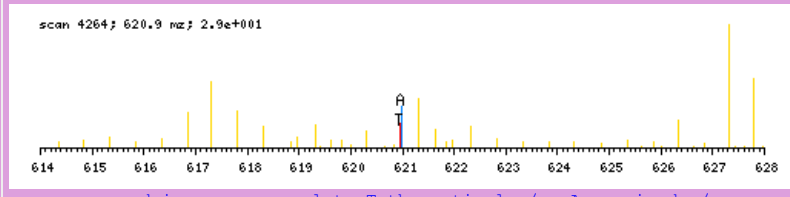
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YEPQGGSGYDYSYAGGR, MH+ 1860.8253, m/z 620.9466
H OS G31 P160811 220811-s1.04267.04267.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



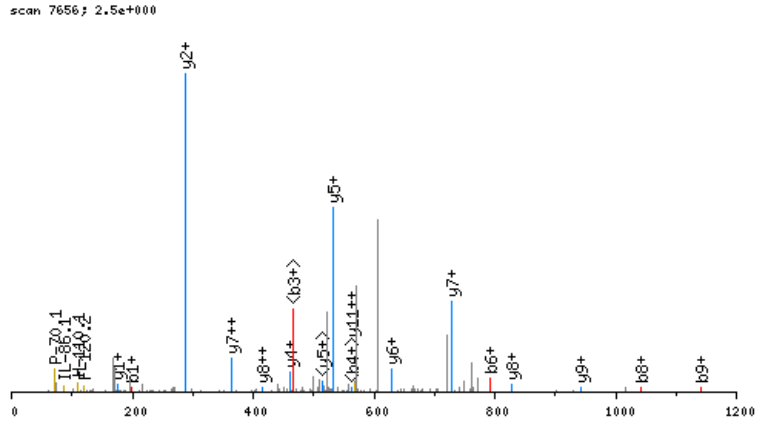
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	17		
327.1768	2	E	16	1663.6989	832.3533
424.2296	3	P	15	1534.6563	767.8320
552.2882	4	Q	14	1437.6035	719.3057
609.3096	5	G	13	1309.5449	655.2764
666.3311	6	G	12	1252.5235	626.7656
753.3631	7	S	11	1195.5020	598.2549
810.3846	8	G	10	1108.4700	554.7389
973.4479	9	Y	9	**1051.4485**	526.2282
1088.4749	10	D	8	**888.3852**	444.6965
1251.5382	11	Y	7	**773.3582**	387.1830
1338.5702	12	S	6	**610.2949**	305.6514
1501.6335	13	Y	5	**523.2629**	**262.1353**
1572.6707	14	A	4	**360.1995**	180.6037
1629.6921	15	G	3	**289.1624**	145.0851
1686.7136	16	G	2	**232.1410**	116.5744
	17	R	1	**175.1195**	88.0637

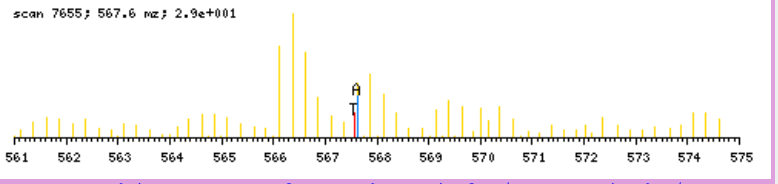
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YERPVLHLVALNTPVAGDIR, MH+ 2267.3088, m/z 567.5827
H OS G34 P160811 220811-s1.07656.07656.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



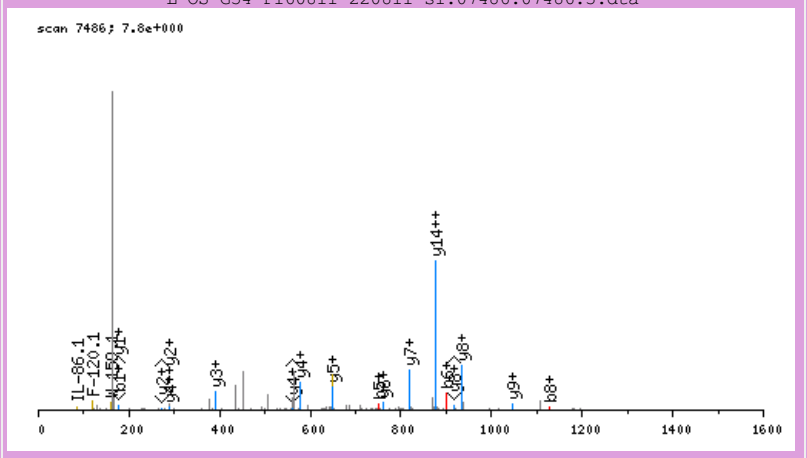
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	**1**	**Y**	**20**		
327.1768	**2**	**E**	**19**	2070.1824	1035.5951
483.2779	**3**	**R**	**18**	1941.1398	971.0738
580.3307	**4**	**P**	**17**	1785.0387	893.0233
679.3991	**5**	**V**	**16**	1687.9859	844.4969
792.4832	**6**	**L**	**15**	1588.9175	794.9627
929.5421	**7**	**H**	**14**	1475.8334	738.4206
1042.6262	**8**	**L**	**13**	1338.7745	669.8912
1141.6946	**9**	**V**	**12**	1225.6905	613.3491
1212.7317	**10**	**A**	**11**	1126.6220	**563.8149**
1325.8157	**11**	**L**	**10**	1055.5849	528.2964
1439.8587	**12**	**N**	**9**	**942.5009**	471.7543
1540.9063	**13**	**T**	**8**	**828.4579**	**414.7329**
1637.9591	**14**	**P**	**7**	**727.4103**	**364.2090**
1737.0275	**15**	**V**	**6**	**630.3575**	315.6827
1808.0646	**16**	**A**	**5**	**531.2891**	266.1485
1865.0861	**17**	**G**	**4**	**460.2520**	230.6299
1980.1130	**18**	**D**	**3**	403.2305	202.1192
2093.1971	**19**	**I**	**2**	**288.2036**	144.6057
	20	**R**	**1**	**175.1195**	88.0637

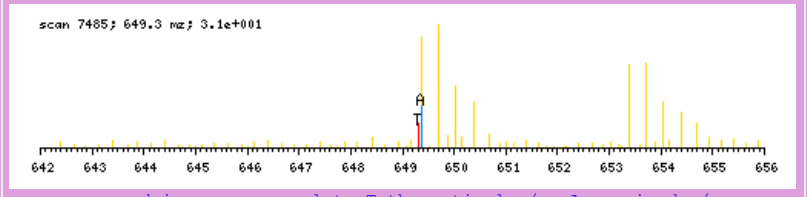
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YFKEQFLDGDAWTNR, MH+ 1945.9448, m/z 649.3198
L OS G34 P160811 220811-s1.07486.07486.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



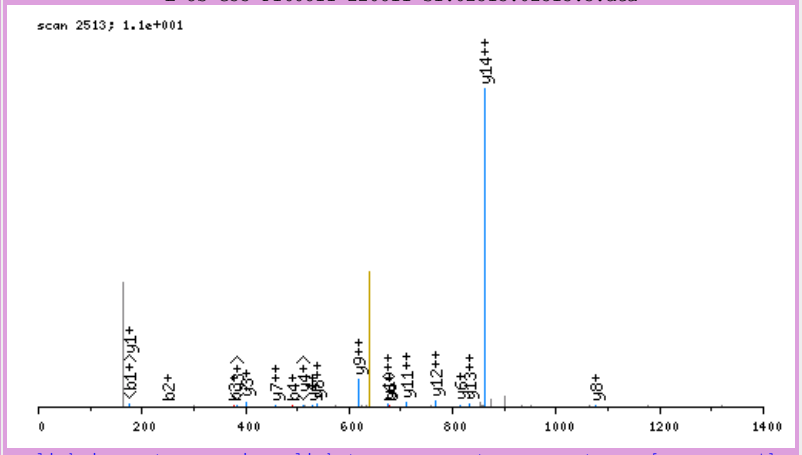
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
339.1708	2	F	14	1754.8502	**877.9290**
495.2971	3	K	13	1607.7818	804.3948
624.3397	4	E	12	1451.6555	726.3317
752.3983	5	Q	11	1322.6129	661.8104
899.4667	6	F	10	1194.5544	597.7811
1012.5508	7	L	9	**1047.4859**	524.2469
1127.5777	8	D	8	**934.4019**	467.7049
1184.5992	9	G	7	**819.3749**	410.1914
1299.6261	10	D	6	**762.3535**	381.6807
1370.6633	11	A	5	**647.3265**	324.1672
1556.7426	12	W	4	**576.2894**	**288.6486**
1657.7902	13	T	3	**390.2101**	195.6090
1771.8332	14	N	2	**289.1624**	145.0851
	15	R	1	**175.1195**	88.0637

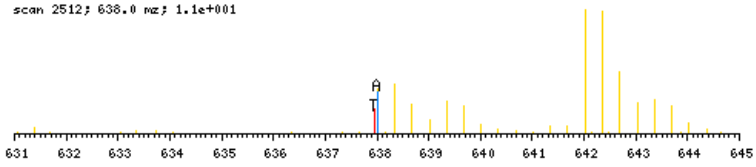
N-term:+29.04 K(3):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YGELADCCTKQEPER, MH+ 1911.8580, m/z 637.9575
L OS G33 P160811 220811-s1.02513.02513.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



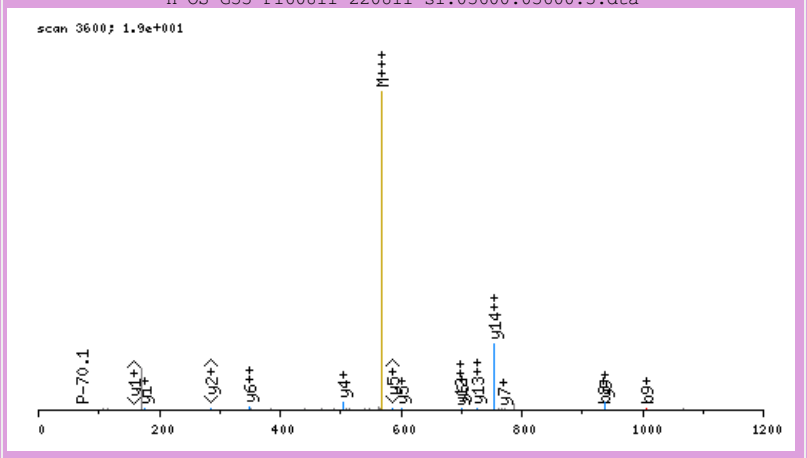
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
249.1239	2	G	14	1720.7634	**860.8856**
378.1665	3	E	13	1663.7419	**832.3749**
491.2505	4	L	12	1534.6993	**767.8536**
562.2877	5	A	11	1421.6153	**711.3115**
677.3146	6	D	10	1350.5782	**675.7930**
837.3452	7	C	9	1235.5512	**618.2795**
997.3758	8	C	8	**1075.5206**	**538.2642**
1098.4235	9	T	7	915.4900	**458.2489**
1254.5498	10	K	6	**814.4423**	407.7251
1382.6084	11	Q	5	658.3160	329.6619
1511.6510	12	E	4	**530.2575**	265.6326
1608.7037	13	P	3	**401.2149**	201.1113
1737.7463	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

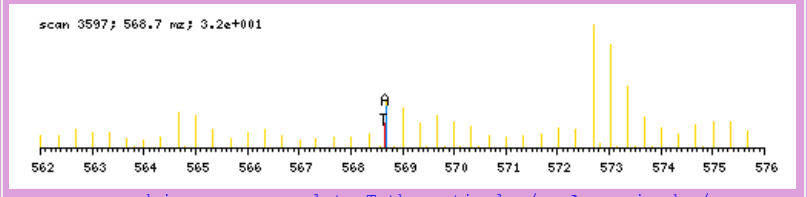
N-term:+29.04 C(7):+160.03
C(8):+160.03 K(10):+156.13

YGGYKEPAAPVSIQR, MH+ 1703.9757, m/z 568.6634
H OS G33 P160811 220811-s1.03600.03600.3.dta

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO



click image to zoom in; click top corners to zoom out [precursor±]



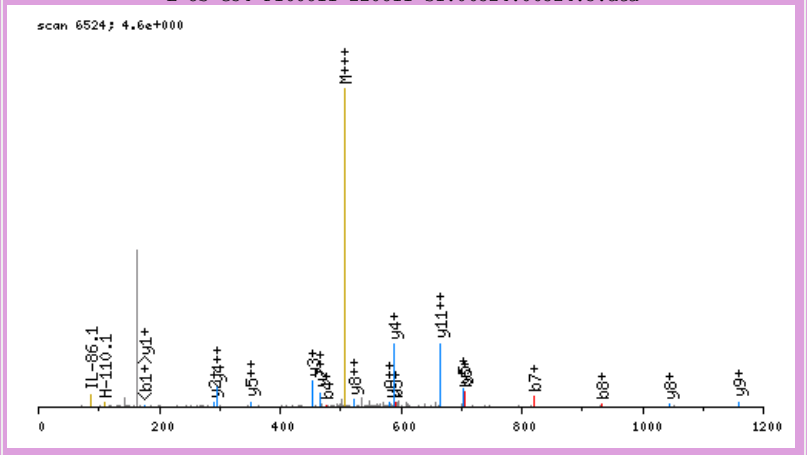
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	15		
255.1557	2	G	14	1506.8493	**753.9286**
312.1772	3	G	13	1449.8278	**725.4178**
475.2405	4	Y	12	1392.8064	**696.9071**
637.3986	5	K	11	1229.7430	615.3754
766.4412	6	E	10	1067.5849	534.2964
863.4939	7	P	9	**938.5423**	469.7751
934.5311	8	A	8	841.4896	421.2487
1005.5682	9	A	7	**770.4525**	385.7301
1102.6209	10	P	6	**699.4153**	**350.2116**
1201.6893	11	V	5	**602.3626**	301.6852
1288.7214	12	S	4	**503.2942**	252.1510
1401.8054	13	I	3	416.2621	208.6350
1529.8640	14	Q	2	303.1781	152.0930
	15	R	1	**175.1195**	88.0637

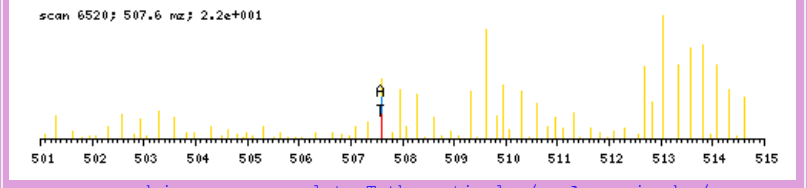
N-term:+35.07 K(5):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YGIDDNLLHYNR, MH+ 1520.7497, m/z 507.5881
L OS G34 P160811 220811-s1.06524.06524.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



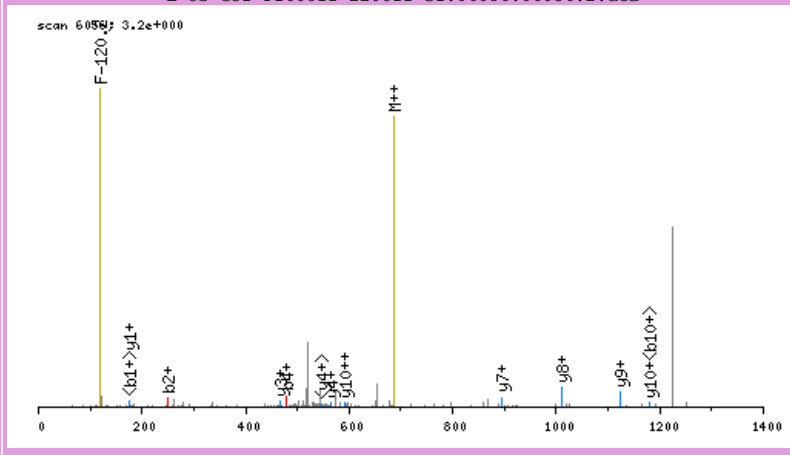
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
249.1239	2	G	11	1329.6551	**665.3315**
362.2080	3	I	10	1272.6337	636.8207
477.2349	4	D	9	**1159.5496**	**580.2787**
592.2618	5	D	8	**1044.5227**	**522.7652**
706.3048	6	N	7	929.4957	**465.2518**
819.3888	7	L	6	815.4528	408.2303
932.4729	8	L	5	**702.3687**	**351.6883**
1069.5318	9	H	4	**589.2847**	**295.1462**
1232.5951	10	Y	3	**452.2258**	226.6168
1346.6381	11	N	2	**289.1624**	145.0851
	12	R	1	**175.1195**	88.0637

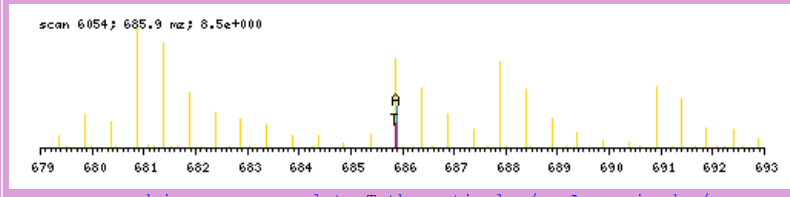
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YGLDTDLVYQR, MH+ 1370.6956, m/z 685.8514
L OS G31 P160811 220811-s1.06056.06056.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



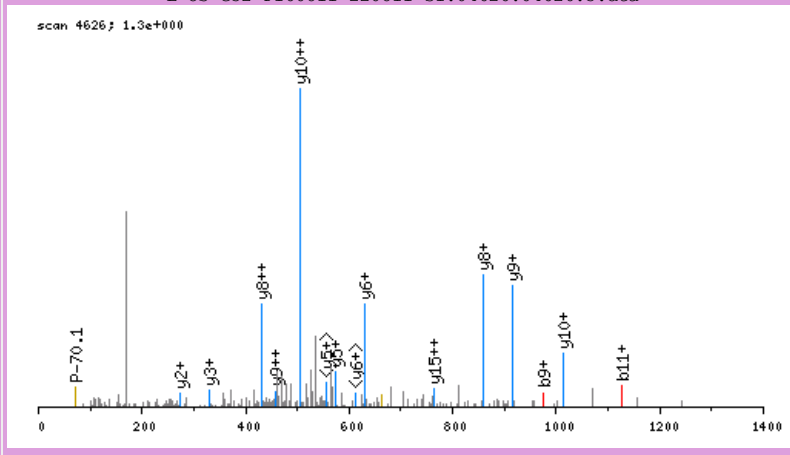
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	11		
249.1239	2	G	10	1179.6010	590.3044
362.2080	3	L	9	1122.5795	561.7937
477.2349	4	D	8	1009.4954	505.2516
578.2826	5	T	7	894.4685	447.7382
693.3095	6	D	6	793.4208	397.2143
806.3936	7	L	5	678.3939	339.7009
905.4620	8	V	4	565.3098	283.1588
1068.5253	9	Y	3	466.2414	233.6246
1196.5839	10	Q	2	303.1781	152.0930
	11	R	1	175.1195	88.0637

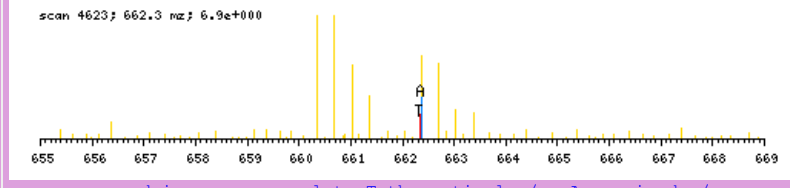
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YGLPGKDGEPGLDGFPGPR, MH+ 1985.0133, m/z 662.3426
L OS G32 P160811 220811-s1.04626.04626.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



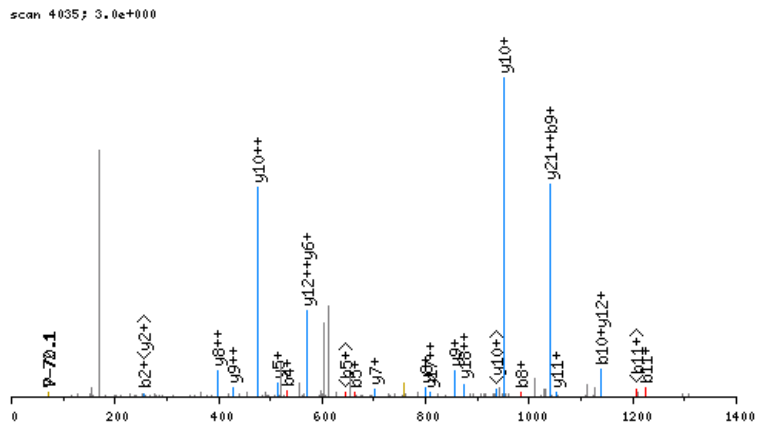
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	19		
249.1239	2	G	18	1793.9187	897.4632
362.2080	3	L	17	1736.8972	868.9525
459.2607	4	P	16	1623.8131	812.4105
516.2822	5	G	15	1526.7604	**763.8841**
672.4085	6	K	14	1469.7389	735.3734
787.4354	7	D	13	1313.6126	657.3102
844.4569	8	G	12	1198.5857	599.7967
973.4995	9	E	11	1141.5642	571.2860
1070.5522	10	P	10	**1012.5216**	**506.7647**
1127.5737	11	G	9	**915.4688**	**458.2383**
1240.6578	12	L	8	**858.4474**	**429.7276**
1355.6847	13	D	7	745.3633	373.1856
1412.7062	14	G	6	**630.3364**	315.6721
1559.7746	15	F	5	**573.3149**	287.1614
1656.8274	16	P	4	426.2465	213.6272
1713.8488	17	G	3	**329.1937**	165.1008
1810.9016	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

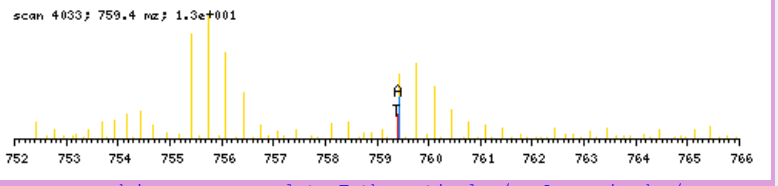
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YGYDEKSAGVSVPGPMGPSGPR, MH+ 2276.1658, m/z 759.3934
H OS G32 P160811 220811-s1.04035.04035.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



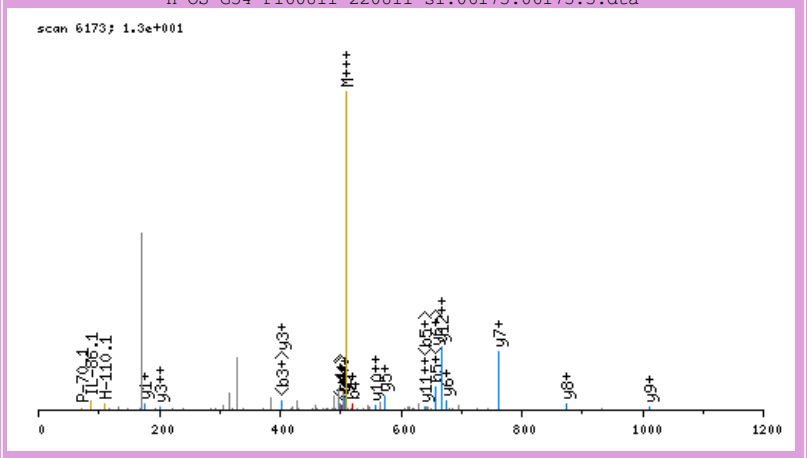
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	22		
255.1557	2	G	21	2079.0394	**1040.0236**
418.2190	3	Y	20	2022.0179	1011.5129
533.2460	4	D	19	1858.9546	929.9812
662.2886	5	E	18	1743.9276	**872.4677**
824.4467	6	K	17	1614.8850	**807.9464**
911.4787	7	S	16	1452.7269	726.8674
982.5158	8	A	15	1365.6949	683.3514
1039.5373	9	G	14	1294.6578	647.8328
1138.6057	10	V	13	1237.6363	619.3221
1225.6377	11	S	12	**1138.5679**	**569.7879**
1324.7061	12	V	11	**1051.5359**	526.2718
1421.7589	13	P	10	**952.4675**	**476.7376**
1478.7803	14	G	9	**855.4147**	**428.2113**
1575.8331	15	P	8	**798.3932**	**399.7005**
1706.8736	16	M	7	**701.3405**	351.1741
1763.8951	17	G	6	**570.3000**	285.6539
1860.9478	18	P	5	**513.2785**	257.1432
1947.9799	19	S	4	416.2258	208.6168
2005.0013	20	G	3	329.1937	165.1008
2102.0541	21	P	2	272.1723	136.5900
	22	R	1	175.1195	88.0637

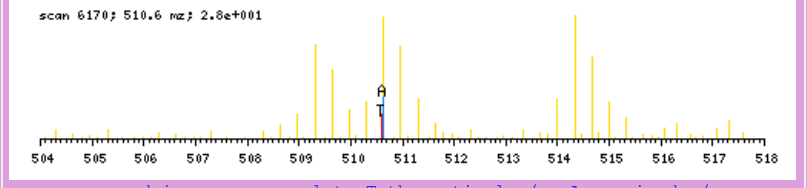
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YGYTHLSTGDLLR, MH+ 1529.8176, m/z 510.6107
H OS G34 P160811 220811-s1.06173.06173.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



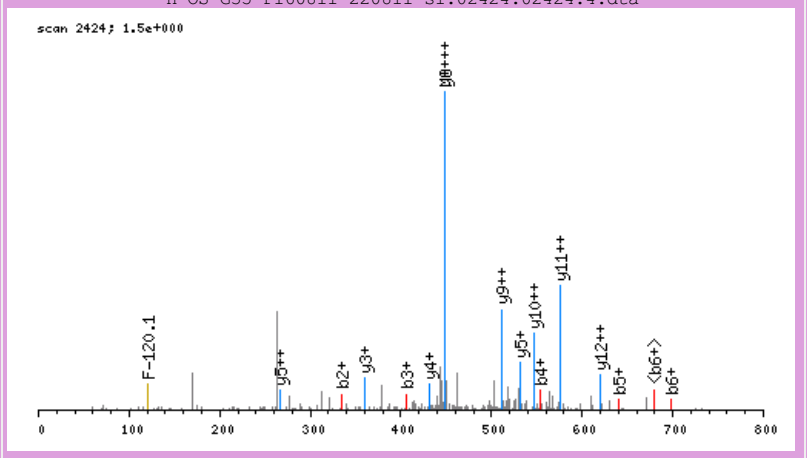
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	13		
255.1557	2	G	12	1332.6912	**666.8495**
418.2190	3	Y	11	1275.6697	**638.3388**
519.2667	4	T	10	1112.6064	**556.8071**
656.3256	5	H	9	**1011.5587**	**506.2833**
769.4097	6	L	8	**874.4998**	437.7538
856.4417	7	S	7	**761.4157**	381.2118
957.4894	8	T	6	**674.3837**	337.6958
1014.5108	9	G	5	**573.3360**	287.1719
1129.5378	10	D	4	516.3146	258.6612
1242.6219	11	L	3	**401.2876**	**201.1477**
1355.7059	12	L	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

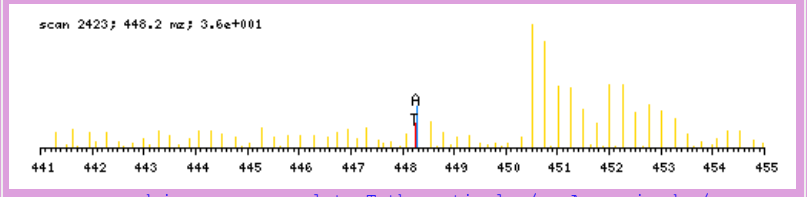
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YHAFSGAQKAETAANR, MH+ 1789.9622, m/z 448.2460
H OS G35 P160811 220811-s1.02424.02424.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

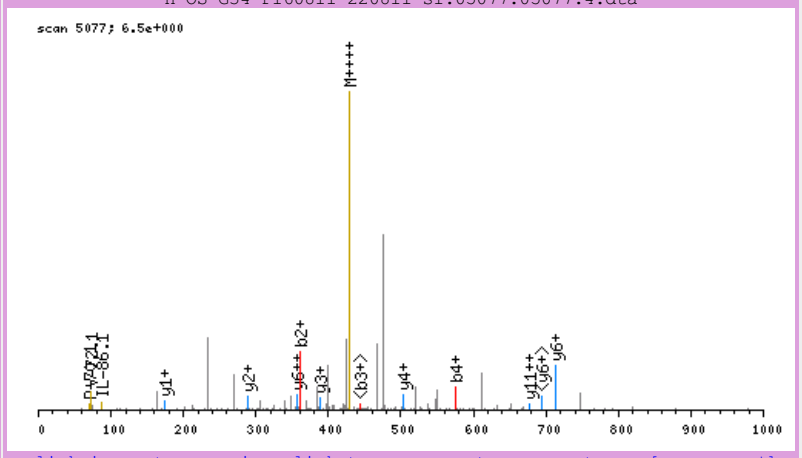


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

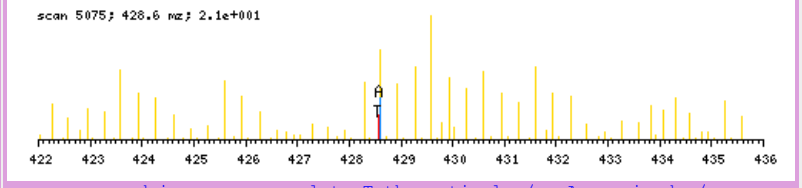
b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
335.1931	2	H	15	1592.8358	796.9218
406.2303	3	A	14	1455.7769	728.3923
553.2987	4	F	13	1384.7397	692.8738
640.3307	5	S	12	1237.6713	**619.3396**
697.3522	6	G	11	1150.6393	**575.8236**
768.3893	7	A	10	1093.6178	**547.3128**
896.4479	8	Q	9	1022.5807	**511.7943**
1058.6060	9	K	8	894.5221	**447.7650**
1129.6431	10	A	7	732.3640	366.6859
1258.6857	11	E	6	661.3269	331.1674
1359.7333	12	T	5	**532.2843**	**266.6461**
1430.7705	13	A	4	**431.2367**	216.1222
1501.8076	14	A	3	**360.1995**	180.6037
1615.8505	15	N	2	289.1624	145.0851
	16	R	1	175.1195	88.0637

N-term:+35.07 K(9):+162.16

YKTIKTKLPLTLR, MH+ 1711.2523, m/z 428.5685
H OS G34 P160811 220811-s1.05077.05077.4.dta



click image to zoom in; click top corners to zoom out [precursor‡]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

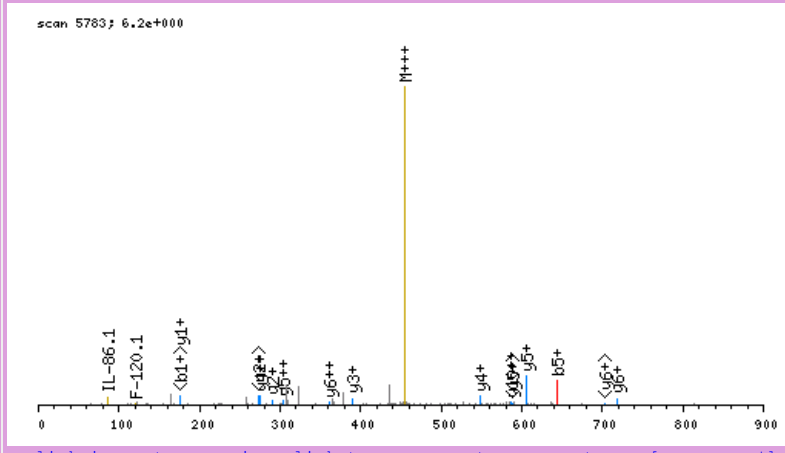
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	13		
360.2923	2	K	12	1514.1259	757.5668
461.3400	3	T	11	1351.9678	**676.4878**
574.4241	4	I	10	1250.9201	625.9640
736.5822	5	K	9	1137.8360	569.4219
837.6298	6	T	8	975.6779	488.3429
999.7879	7	K	7	874.6302	437.8190
1112.8720	8	L	6	**712.4721**	**356.7400**
1209.9248	9	P	5	599.3881	300.1979
1323.0088	10	L	4	**502.3353**	251.6716
1424.0565	11	T	3	**389.2512**	195.1295
1537.1406	12	L	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

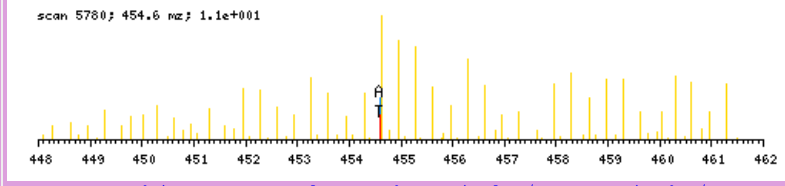
N-term:+35.07 K(2):+162.16
K(5):+162.16 K(7):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YKVPVLGCVDR, MH+ 1361.7615, m/z 454.5920
L OS G34 P160811 220811-s1.05783.05783.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



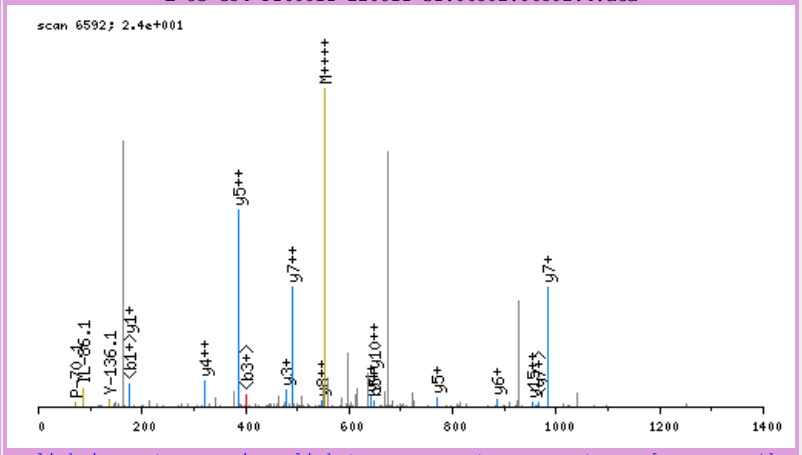
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	11		
348.2287	2	K	10	1170.6669	**585.8374**
447.2971	3	V	9	1014.5406	507.7742
544.3499	4	P	8	915.4722	458.2400
643.4183	5	V	7	818.4194	409.7136
756.5024	6	L	6	**719.3510**	**360.1794**
813.5238	7	G	5	**606.2669**	**303.6374**
973.5544	8	C	4	**549.2455**	**275.1266**
1072.6229	9	V	3	**389.2149**	195.1113
1187.6498	10	D	2	**290.1464**	145.5771
	11	R	1	**175.1195**	88.0637

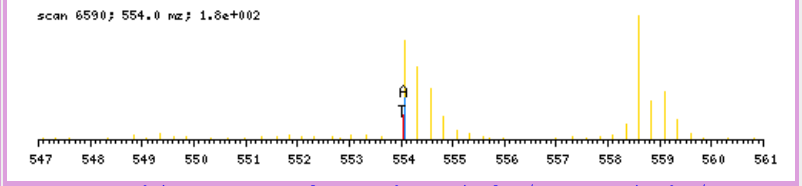
N-term:+29.04 K(2):+156.13
C(8):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YLDNNKISNIPDEYFKR, MH+ 2213.1607, m/z 554.0456
L OS G34 P160811 220811-s1.06592.06592.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



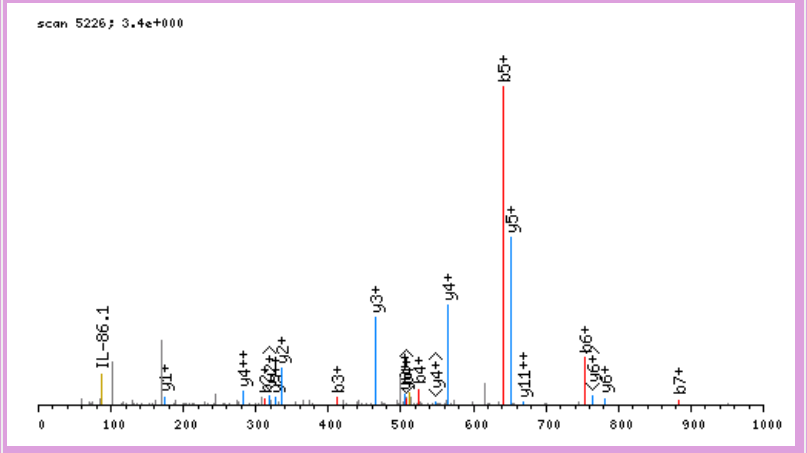
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
305.1865	2	L	16	2022.0661	1011.5370
420.2134	3	D	15	1908.9820	**954.9949**
534.2564	4	N	14	1793.9551	897.4815
648.2993	5	N	13	1679.9122	840.4600
804.4256	6	K	12	1565.8692	783.4385
917.5097	7	I	11	1409.7429	705.3754
1004.5417	8	S	10	1296.6589	**648.8333**
1118.5846	9	N	9	1209.6268	605.3173
1231.6687	10	I	8	1095.5839	**548.2959**
1328.7214	11	P	7	**982.4998**	**491.7538**
1443.7484	12	D	6	**885.4471**	443.2275
1572.7910	13	E	5	**770.4201**	**385.7140**
1735.8543	14	Y	4	**641.3775**	**321.1927**
1882.9227	15	F	3	**478.3142**	239.6610
2039.0490	16	K	2	331.2458	166.1268
	17	R	1	**175.1195**	88.0637

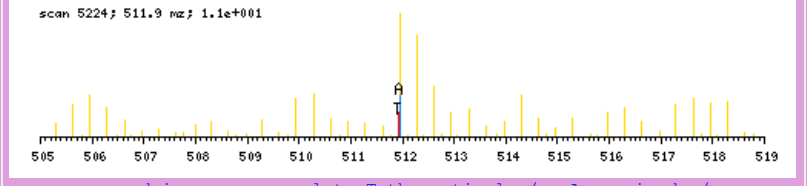
N-term:+29.04 K(6):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YLTLDIESTECR, MH+ 1533.7682, m/z 511.9276
H OS G30 P160811 220811-s1.05226.05226.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



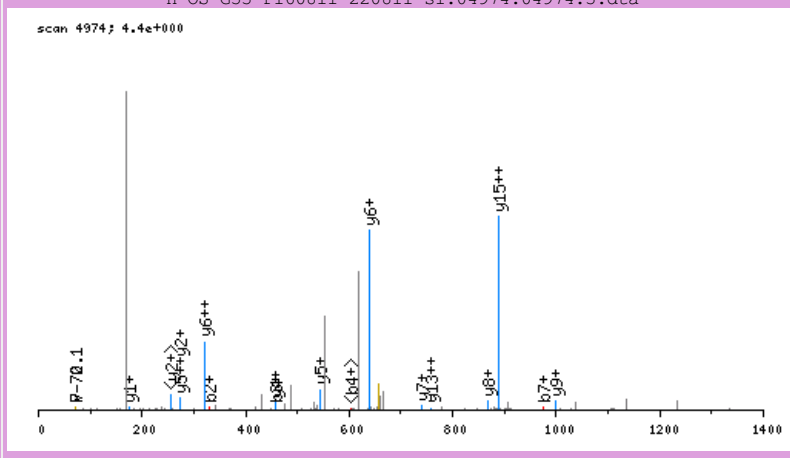
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	12		
311.2183	2	L	11	1336.6418	**668.8248**
412.2660	3	T	10	1223.5577	612.2828
525.3500	4	L	9	1122.5101	561.7589
640.3770	5	D	8	1009.4260	**505.2169**
753.4610	6	I	7	894.3991	447.7034
882.5036	7	E	6	**781.3150**	391.1614
969.5357	8	S	5	**652.2724**	**326.6401**
1070.5833	9	T	4	**565.2404**	**283.1241**
1199.6259	10	E	3	**464.1927**	232.6003
1359.6565	11	C	2	**335.1501**	168.0790
	12	R	1	**175.1195**	88.0637

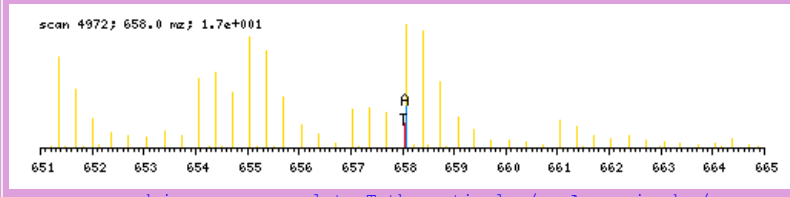
N-term:+35.07 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YMEKNQLEEVPSALPR, MH+ 1972.0850, m/z 658.0332
H OS G33 P160811 220811-s1.04974.04974.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



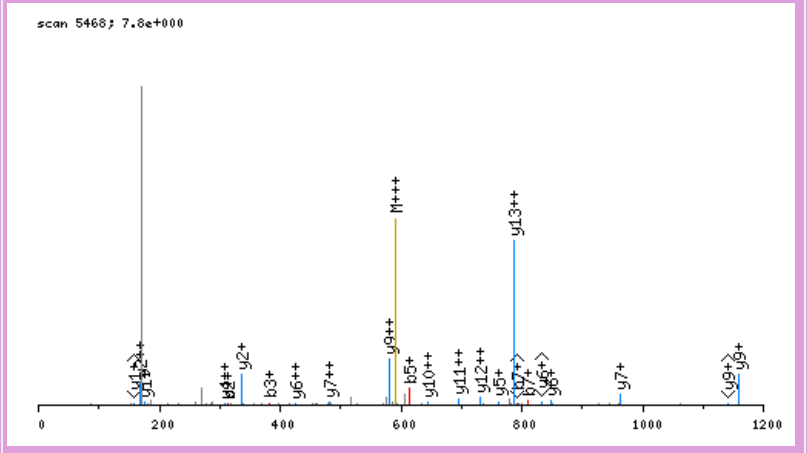
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
329.1747	2	M	15	1774.9586	**887.9832**
458.2173	3	E	14	1643.9181	822.4630
620.3754	4	K	13	1514.8755	**757.9417**
734.4183	5	N	12	1352.7174	676.8626
862.4769	6	Q	11	1238.6745	619.8412
975.5610	7	L	10	1110.6159	555.8119
1104.6036	8	E	9	**997.5318**	499.2698
1233.6462	9	E	8	**868.4892**	434.7485
1332.7146	10	V	7	**739.4466**	370.2272
1429.7673	11	P	6	**640.3782**	**320.6930**
1516.7994	12	S	5	**543.3255**	**272.1666**
1587.8365	13	A	4	**456.2934**	228.6506
1700.9205	14	L	3	385.2563	193.1321
1797.9733	15	P	2	**272.1723**	136.5900
	16	R	1	**175.1195**	88.0637

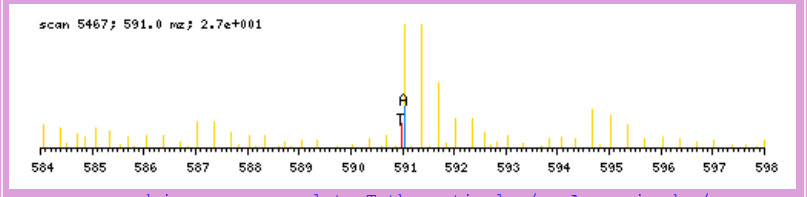
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YNATEPVISFYDKR, MH+ 1770.9703, m/z 590.9949
H OS G33 P160811 220811-s1.05468.05468.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



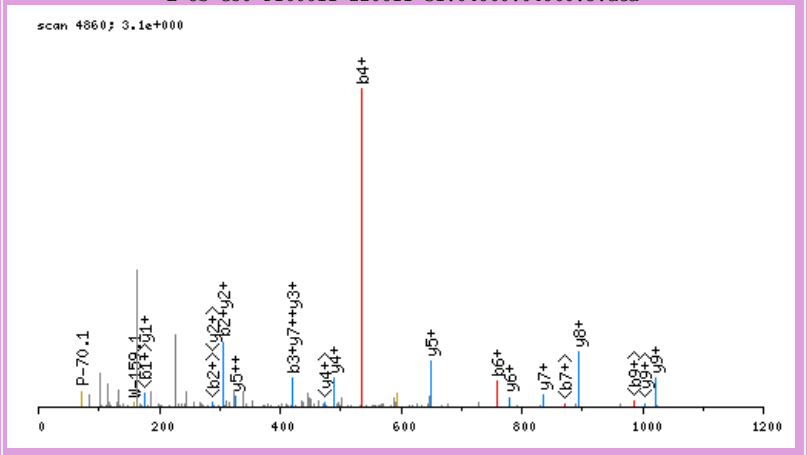
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	14		
312.1772	2	N	13	1573.8439	**787.4258**
383.2143	3	A	12	1459.8009	**730.4044**
484.2619	4	T	11	1388.7638	**694.8858**
613.3045	5	E	10	1287.7161	**644.3620**
710.3573	6	P	9	**1158.6736**	**579.8407**
809.4257	7	V	8	1061.6208	531.3143
922.5098	8	I	7	**962.5524**	**481.7801**
1009.5418	9	S	6	**849.4683**	**425.2381**
1156.6102	10	F	5	**762.4363**	381.7221
1319.6736	11	Y	4	615.3679	**308.1878**
1434.7005	12	D	3	452.3045	226.6562
1596.8586	13	K	2	**337.2776**	**169.1427**
	14	R	1	**175.1195**	88.0637

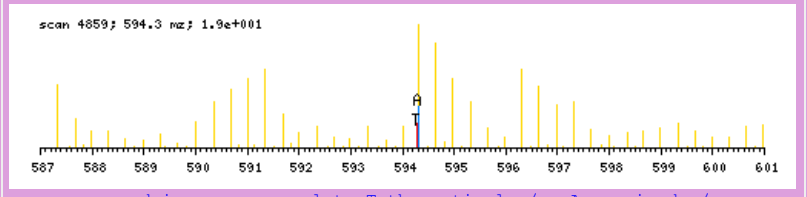
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YNLDPQEGGECALMR, MH+ 1780.7998, m/z 594.2714
L OS G30 P160811 220811-s1.04860.04860.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



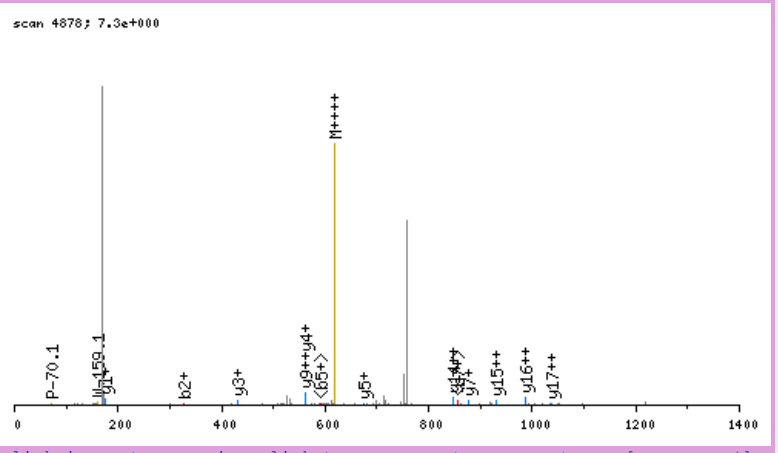
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
306.1454	2	N	14	1589.7052	795.3565
419.2294	3	L	13	1475.6622	738.3350
534.2564	4	D	12	1362.5782	681.7930
631.3091	5	P	11	1247.5512	624.2795
759.3677	6	Q	10	1150.4985	575.7531
888.4103	7	E	9	**1022.4399**	511.7239
945.4318	8	G	8	**893.3973**	447.2026
1002.4532	9	G	7	**836.3758**	**418.6918**
1131.4958	10	E	6	**779.3544**	390.1811
1291.5264	11	C	5	**650.3118**	**325.6598**
1362.5635	12	A	4	**490.2812**	245.6445
1475.6476	13	L	3	**419.2440**	210.1259
1606.6881	14	M	2	**306.1600**	153.5839
	15	R	1	**175.1195**	88.0637

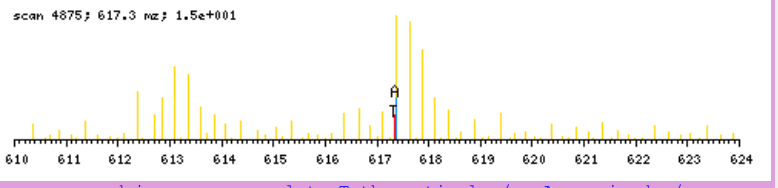
N-term:+29.04 C(11):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YQAVIKTQSKPEDEADEWAR, MH+ 2466.3365, m/z 617.3396
H OS G34 P160811 220811-s1.04878.04878.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



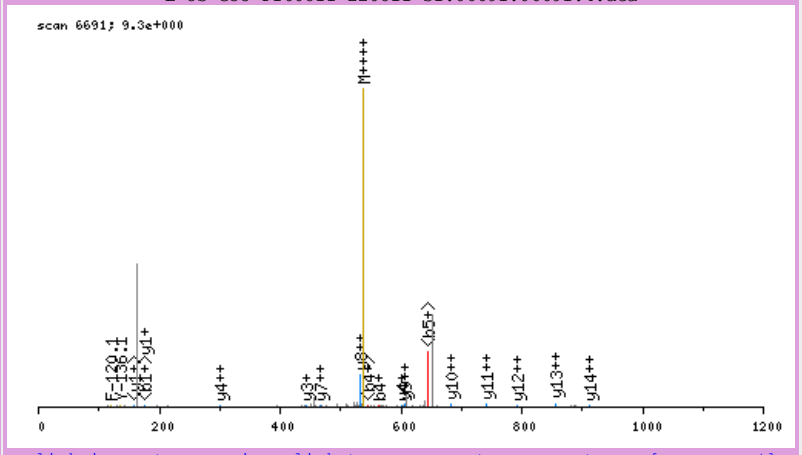
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	20		
326.1928	2	Q	19	2269.2101	1135.1090
397.2299	3	A	18	2141.1515	1071.0797
496.2983	4	V	17	2070.1144	**1035.5611**
609.3824	5	I	16	1971.0460	**986.0269**
771.5405	6	K	15	1857.9620	**929.4849**
872.5882	7	T	14	1695.8039	**848.4058**
1000.6468	8	Q	13	1594.7562	797.8820
1087.6788	9	S	12	1466.6976	733.8527
1249.8369	10	K	11	1379.6656	690.3367
1346.8896	11	P	10	1217.5075	609.2576
1475.9322	12	E	9	1120.4547	**560.7313**
1590.9592	13	D	8	991.4121	496.2100
1720.0018	14	E	7	**876.3852**	438.6965
1791.0389	15	A	6	747.3426	374.1752
1906.0658	16	D	5	**676.3055**	338.6566
2035.1084	17	E	4	**561.2785**	281.1432
2221.1877	18	W	3	**432.2359**	216.6219
2292.2249	19	A	2	246.1566	123.5822
	20	R	1	**175.1195**	88.0637

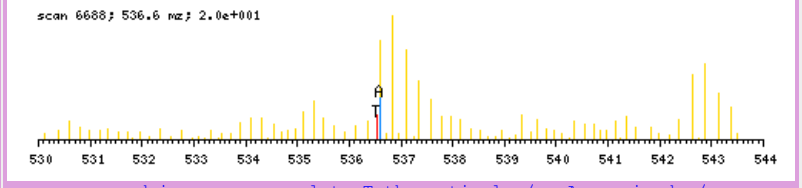
N-term:+35.07 K(6):+162.16
K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

YQLETDKFEFGEKLKR, MH+ 2143.1804, m/z 536.5506
L OS G35 P160811 220811-s1.06691.06691.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



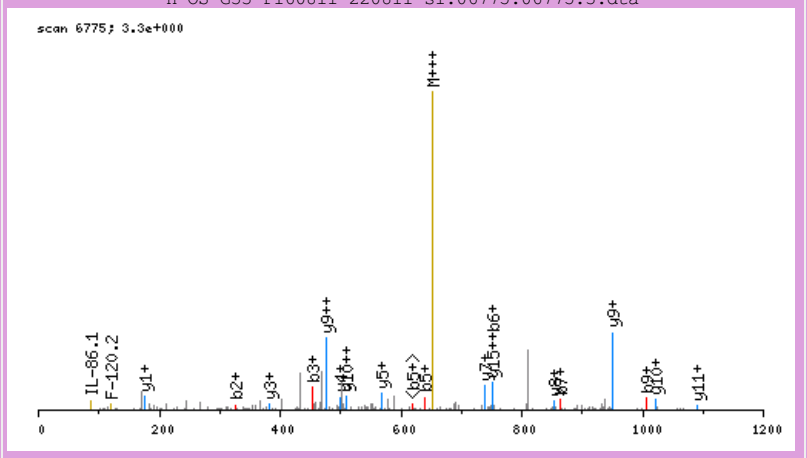
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	16		
320.1610	2	Q	15	1952.0858	976.5468
433.2451	3	L	14	1824.0272	**912.5175**
562.2877	4	E	13	1710.9432	**855.9755**
663.3353	5	T	12	1581.9006	**791.4542**
778.3623	6	D	11	1480.8529	**740.9304**
934.4886	7	K	10	1365.8259	**683.4169**
1081.5570	8	F	9	1209.6996	**605.3537**
1210.5996	9	E	8	1062.6312	**531.8195**
1357.6680	10	F	7	933.5886	**467.2982**
1414.6895	11	G	6	786.5202	393.7640
1543.7321	12	E	5	729.4988	365.2533
1699.8584	13	K	4	**600.4562**	**300.7320**
1812.9424	14	L	3	**444.3299**	222.6688
1969.0687	15	K	2	331.2458	166.1268
	16	R	1	**175.1195**	88.0637

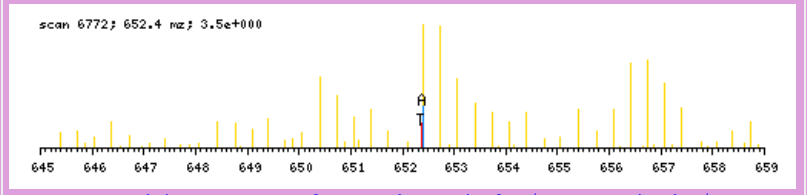
N-term:+29.04 K(7):+156.13
K(13):+156.13 K(15):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YQQPSLLAAPLGLADAHR, MH+ 1955.0926, m/z 652.3691
H OS G33 P160811 220811-s1.06775.06775.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



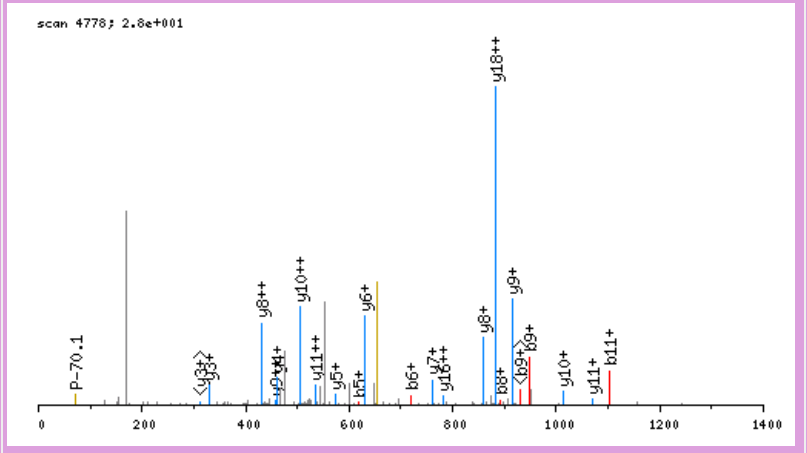
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	18		
326.1928	2	Q	17	1757.9662	879.4870
454.2514	3	Q	16	1629.9077	815.4577
551.3041	4	P	15	1501.8491	**751.4285**
638.3362	5	S	14	1404.7963	702.9021
751.4202	6	L	13	1317.7643	659.3861
864.5043	7	L	12	1204.6802	602.8440
935.5414	8	A	11	**1091.5962**	546.3020
1006.5785	9	A	10	**1020.5591**	**510.7834**
1103.6313	10	P	9	**949.5219**	**475.2649**
1216.7154	11	L	8	**852.4692**	426.7385
1273.7368	12	G	7	**739.3851**	370.1965
1386.8209	13	L	6	682.3636	341.6857
1457.8580	14	A	5	**569.2796**	285.1437
1572.8849	15	D	4	**498.2425**	249.6251
1643.9221	16	A	3	**383.2155**	192.1117
1780.9810	17	H	2	312.1784	156.5931
	18	R	1	**175.1195**	88.0637

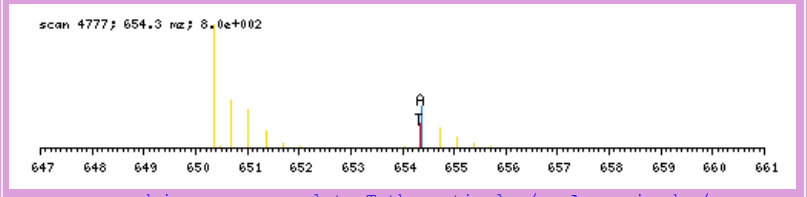
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSDKGVSSGPGPMGLMGPR, MH+ 1961.0261, m/z 654.3469
H OS G33 P160811 220811-s1.04778.04778.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



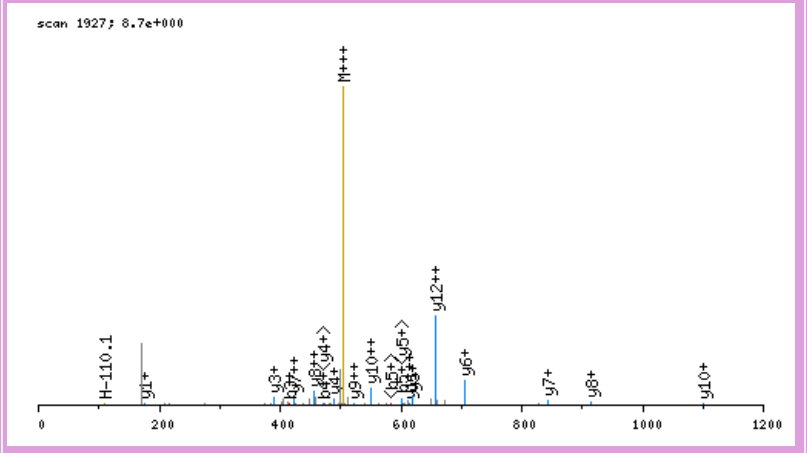
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	19		
285.1663	2	S	18	1763.8997	**882.4538**
400.1932	3	D	17	1676.8677	838.9377
562.3513	4	K	16	1561.8407	**781.4243**
619.3728	5	G	15	1399.6826	700.3452
718.4412	6	V	14	1342.6612	671.8345
805.4732	7	S	13	1243.5927	622.3003
892.5052	8	S	12	1156.5607	578.7843
949.5267	9	G	11	**1069.5287**	**535.2683**
1046.5795	10	P	10	**1012.5072**	**506.7575**
1103.6009	11	G	9	**915.4545**	**458.2311**
1200.6537	12	P	8	**858.4330**	**429.7204**
1331.6942	13	M	7	**761.3802**	381.1940
1388.7156	14	G	6	**630.3397**	315.6738
1501.7997	15	L	5	**573.3183**	287.1631
1632.8402	16	M	4	**460.2342**	230.6210
1689.8617	17	G	3	**329.1937**	165.1008
1786.9144	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

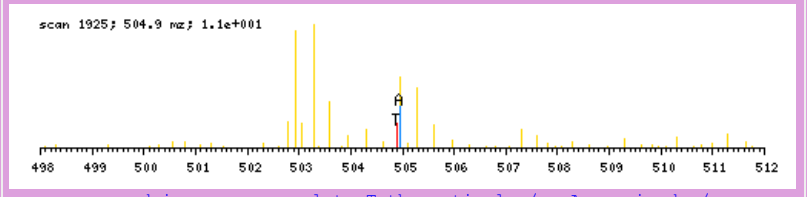
N-term:+35.07 K(4):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSEGEAHSEVSQR, MH+ 1512.7142, m/z 504.9096
H OS G34 P160811 220811-s1.01927.01927.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



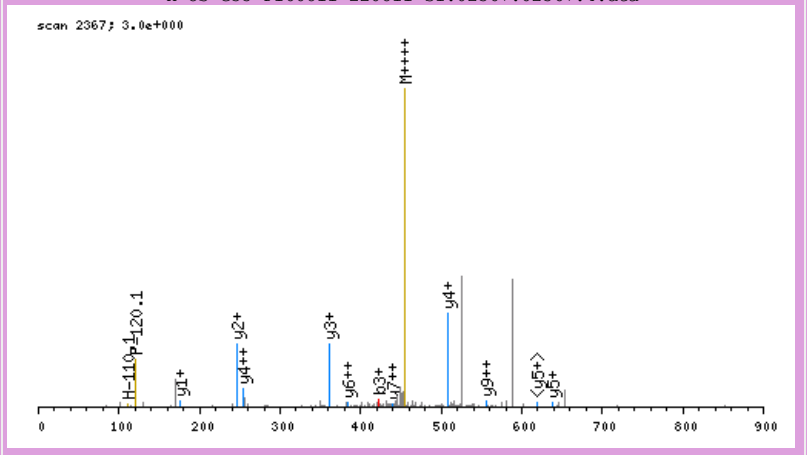
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	13		
285.1663	2	S	12	1315.5878	**658.2978**
414.2089	3	E	11	1228.5558	**614.7818**
471.2303	4	G	10	**1099.5132**	**550.2605**
600.2729	5	E	9	1042.4918	**521.7498**
671.3100	6	A	8	**913.4492**	**457.2285**
808.3689	7	H	7	**842.4121**	**421.7099**
895.4010	8	S	6	**705.3531**	353.1805
1024.4436	9	E	5	**618.3211**	309.6645
1123.5120	10	V	4	**489.2785**	245.1432
1210.5440	11	S	3	**390.2101**	195.6090
1338.6026	12	Q	2	303.1781	152.0930
	13	R	1	**175.1195**	88.0637

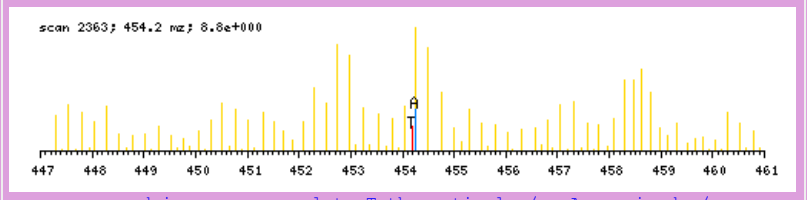
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSHGSHETDEEFDAR, MH+ 1813.7841, m/z 454.2015
H OS G35 P160811 220811-s1.02367.02367.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



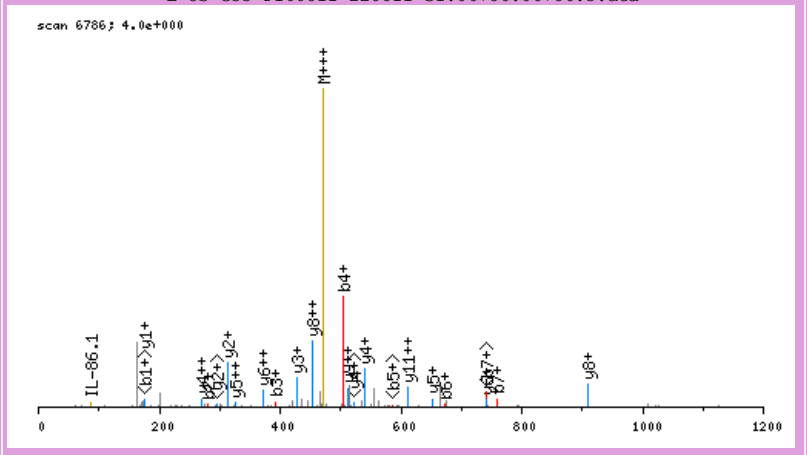
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	15		
285.1663	2	S	14	1616.6577	808.8328
422.2252	3	H	13	1529.6257	765.3168
479.2466	4	G	12	1392.5668	696.7873
566.2787	5	S	11	1335.5453	668.2766
703.3376	6	H	10	1248.5133	624.7606
832.3802	7	E	9	1111.4544	**556.2311**
933.4278	8	T	8	982.4118	491.7098
1048.4548	9	D	7	881.3641	**441.1860**
1177.4974	10	E	6	766.3372	**383.6725**
1306.5400	11	E	5	**637.2946**	319.1512
1453.6084	12	F	4	**508.2520**	**254.6299**
1568.6353	13	D	3	**361.1836**	181.0957
1639.6724	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

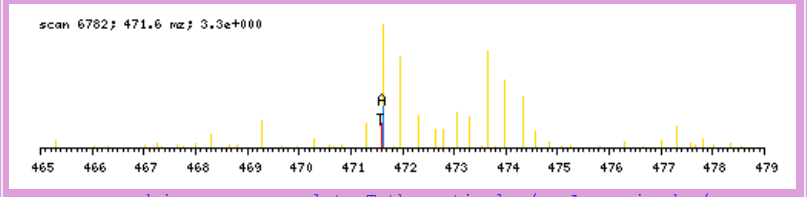
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSLLPASLLDHR, MH+ 1412.7901, m/z 471.6016
L OS G33 P160811 220811-s1.06786.06786.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



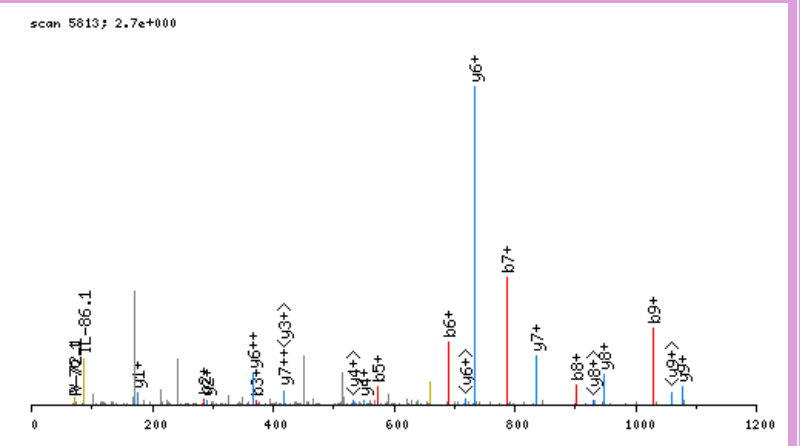
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
279.1345	2	S	11	1221.6955	611.3517
392.2185	3	L	10	1134.6635	567.8357
505.3026	4	L	9	1021.5795	511.2936
602.3553	5	P	8	908.4954	454.7516
673.3925	6	A	7	811.4426	406.2252
760.4245	7	S	6	740.4055	370.7067
873.5086	8	L	5	653.3735	327.1907
986.5926	9	L	4	540.2894	270.6486
1101.6196	10	D	3	427.2054	214.1066
1238.6785	11	H	2	312.1784	156.5931
	12	R	1	175.1195	88.0637

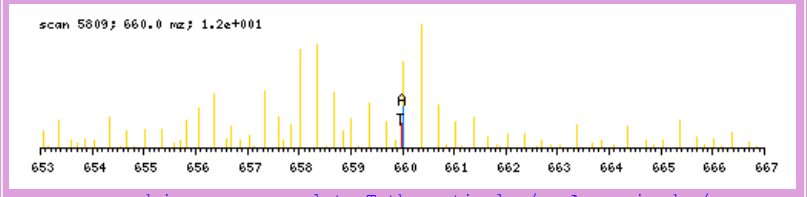
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSSSDDVIELTPSNFNR, MH+ 1977.9618, m/z 659.9921
H OS G30 P160811 220811-s1.05813.05813.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



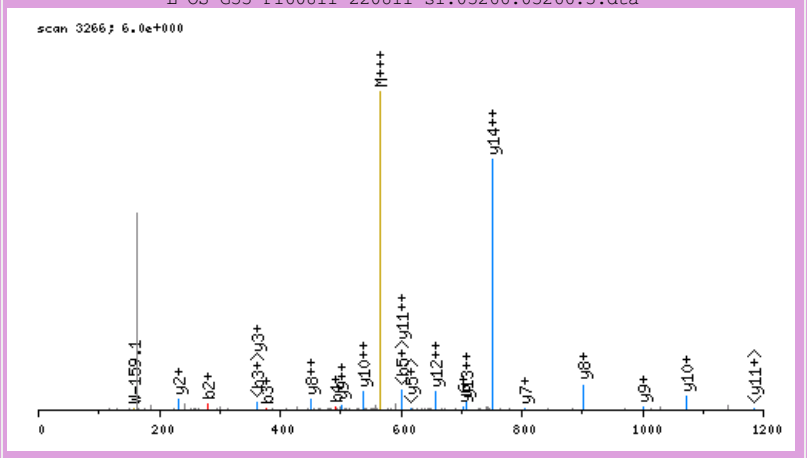
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	17		
285.1663	2	S	16	1780.8353	890.9216
372.1983	3	S	15	1693.8033	847.4056
459.2303	4	S	14	1606.7713	803.8896
574.2573	5	D	13	1519.7393	760.3735
689.2842	6	D	12	1404.7123	702.8601
788.3526	7	V	11	1289.6854	645.3466
901.4367	8	I	10	1190.6170	595.8124
1030.4793	9	E	9	**1077.5329**	539.2704
1143.5633	10	L	8	**948.4903**	474.7491
1244.6110	11	T	7	**835.4062**	**418.2070**
1341.6638	12	P	6	**734.3586**	**367.6832**
1428.6958	13	S	5	637.3058	319.1568
1542.7387	14	N	4	**550.2738**	275.6408
1689.8071	15	F	3	436.2308	218.6193
1803.8501	16	N	2	**289.1624**	145.0851
	17	R	1	**175.1195**	88.0637

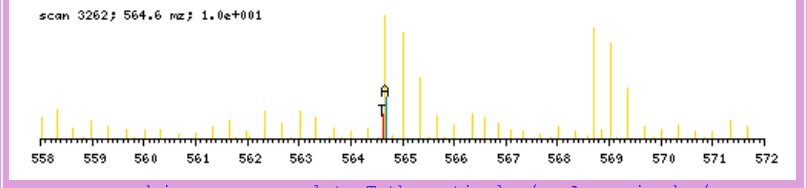
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YSVLQATPTAKDEGR, MH+ 1691.8968, m/z 564.6371
L OS G33 P160811 220811-s1.03266.03266.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



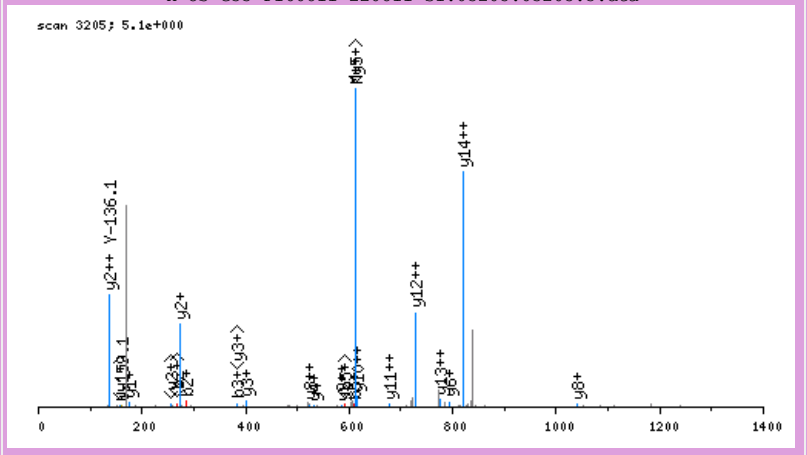
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
279.1345	2	S	14	1500.8022	**750.9050**
378.2029	3	V	13	1413.7702	**707.3890**
491.2869	4	L	12	1314.7018	**657.8548**
619.3455	5	Q	11	1201.6177	**601.3128**
690.3826	6	A	10	**1073.5591**	**537.2835**
791.4303	7	T	9	**1002.5220**	**501.7649**
888.4831	8	P	8	**901.4744**	**451.2411**
989.5307	9	T	7	**804.4216**	402.7147
1060.5679	10	A	6	**703.3739**	352.1909
1216.6942	11	K	5	632.3368	316.6723
1331.7211	12	D	4	476.2105	238.6092
1460.7637	13	E	3	**361.1836**	181.0957
1517.7852	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

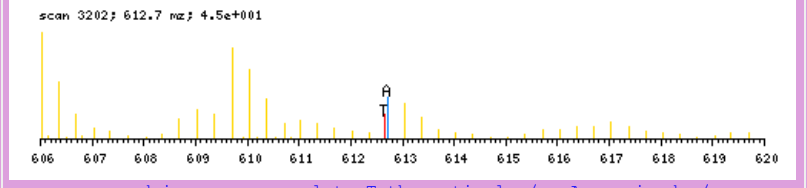
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

YSVPEGQSKYVEEPR, MH+ 1835.9816, m/z 612.6654
H OS G33 P160811 220811-s1.03205.03205.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



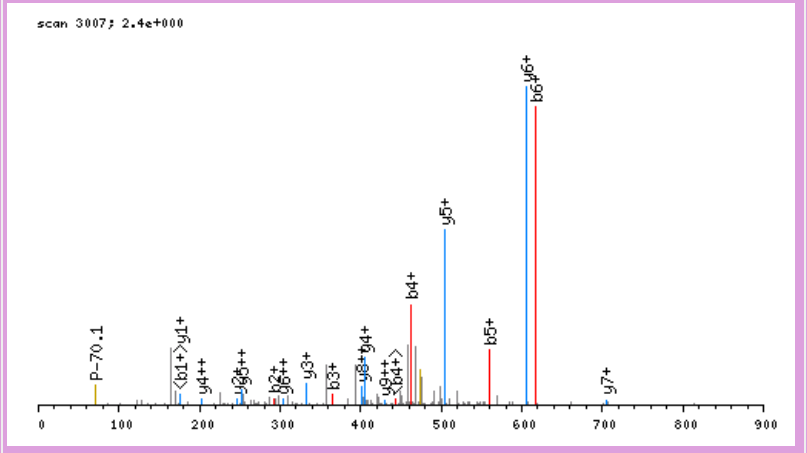
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	15		
285.1663	2	S	14	1638.8552	**819.9315**
384.2347	3	V	13	1551.8231	**776.4155**
481.2874	4	P	12	1452.7547	**726.8813**
610.3300	5	E	11	1355.7020	**678.3549**
667.3515	6	G	10	1226.6594	**613.8336**
795.4101	7	Q	9	1169.6379	**585.3229**
882.4421	8	S	8	**1041.5793**	**521.2936**
1044.6002	9	K	7	954.5473	477.7776
1207.6635	10	Y	6	**792.3892**	396.6985
1306.7319	11	V	5	629.3259	315.1668
1435.7745	12	E	4	**530.2575**	265.6326
1564.8171	13	E	3	**401.2149**	201.1113
1661.8699	14	P	2	**272.1723**	**136.5900**
	15	R	1	**175.1195**	88.0637

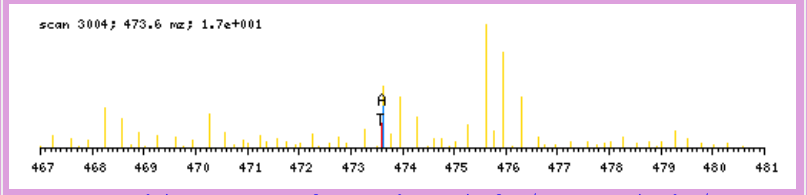
N-term:+35.07 K(9):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YTAPVGPVTTASAR, MH+ 1418.7643, m/z 473.5930
L OS G30 P160811 220811-s1.03007.03007.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



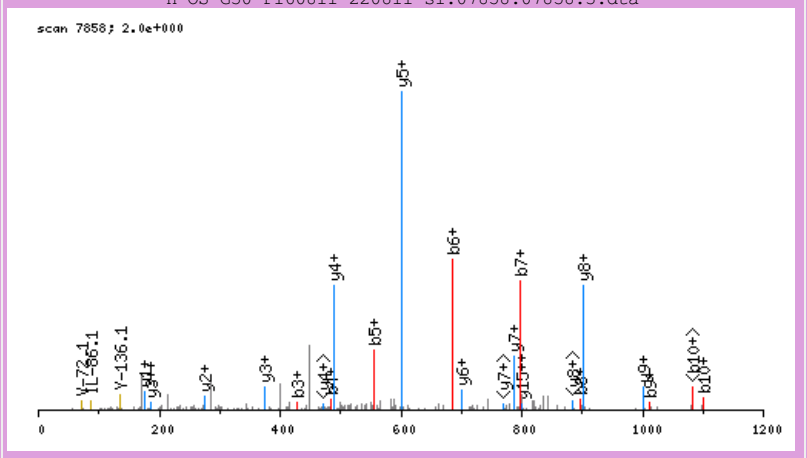
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	14		
293.1501	2	T	13	1227.6697	614.3388
364.1872	3	A	12	1126.6220	563.8149
461.2400	4	P	11	1055.5849	528.2964
560.3084	5	V	10	958.5322	479.7700
617.3299	6	G	9	859.4638	**430.2358**
714.3826	7	P	8	802.4423	**401.7251**
813.4510	8	V	7	**705.3895**	353.1987
914.4987	9	T	6	**606.3211**	**303.6645**
1015.5464	10	T	5	**505.2734**	**253.1406**
1086.5835	11	A	4	**404.2258**	**202.6168**
1173.6155	12	S	3	**333.1886**	167.0982
1244.6527	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

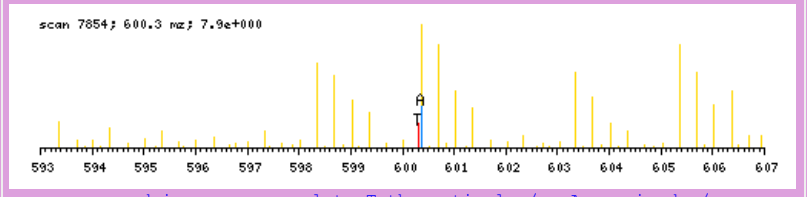
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YTEGAELVDSVLDVVR, MH+ 1798.9650, m/z 600.3265
H OS G30 P160811 220811-s1.07858.07858.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



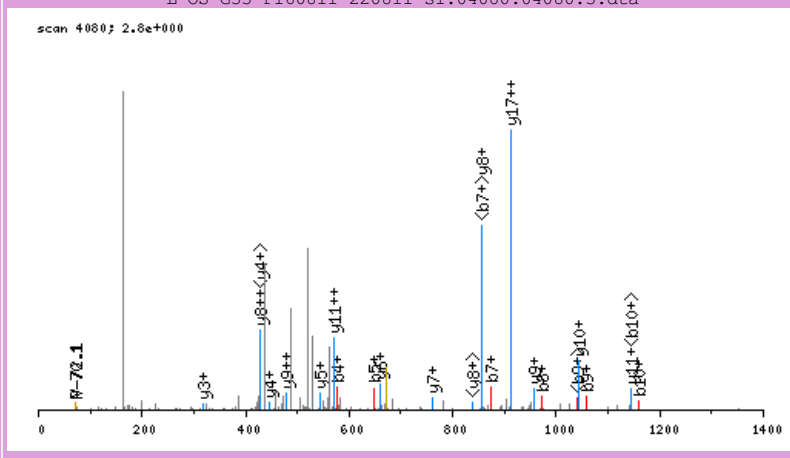
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
299.1819	2	T	15	1601.8386	**801.4232**
428.2245	3	E	14	1500.7910	750.8994
485.2460	4	G	13	1371.7484	686.3781
556.2831	5	A	12	1314.7269	657.8674
685.3257	6	E	11	1243.6898	622.3488
798.4097	7	L	10	1114.6472	557.8275
897.4781	8	V	9	**1001.5631**	501.2855
1012.5051	9	D	8	**902.4947**	451.7513
1099.5371	10	S	7	**787.4678**	394.2378
1198.6055	11	V	6	**700.4357**	350.7218
1311.6896	12	L	5	**601.3673**	301.1876
1426.7165	13	D	4	**488.2833**	244.6455
1525.7850	14	V	3	**373.2563**	**187.1321**
1624.8534	15	V	2	**274.1879**	137.5979
	16	R	1	**175.1195**	88.0637

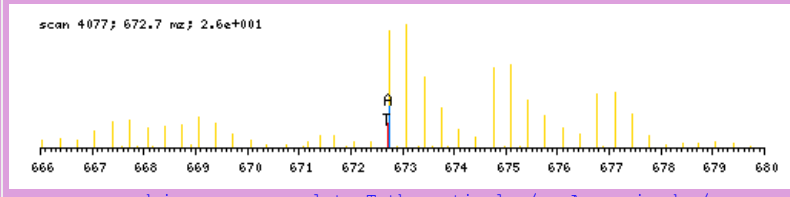
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YTQKAPQVSTPTLVEAAR, MH+ 2016.1130, m/z 672.7092
L OS G33 P160811 220811-s1.04080.04080.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



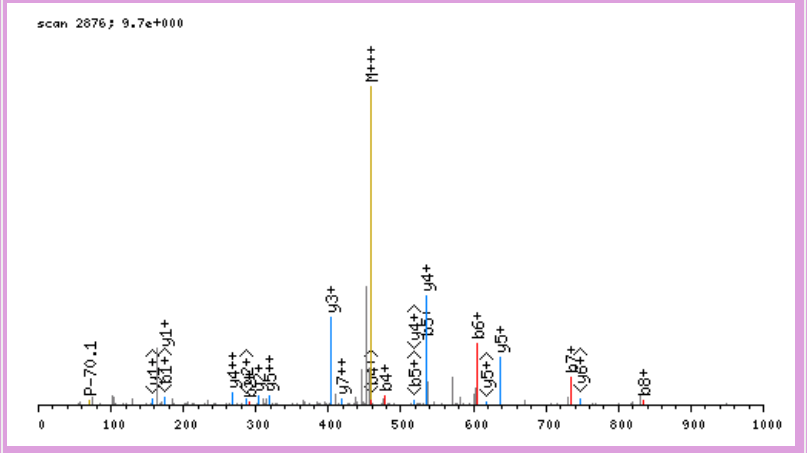
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	18		
293.1501	2	T	17	1825.0184	**913.0131**
421.2087	3	Q	16	1723.9707	862.4893
577.3350	4	K	15	1595.9121	798.4600
648.3721	5	A	14	1439.7858	720.3968
745.4249	6	P	13	1368.7487	684.8783
873.4834	7	Q	12	1271.6959	636.3519
972.5519	8	V	11	**1143.6374**	**572.3226**
1059.5839	9	S	10	**1044.5689**	522.7884
1160.6316	10	T	9	**957.5369**	**479.2724**
1257.6843	11	P	8	**856.4892**	**428.7485**
1358.7320	12	T	7	**759.4365**	380.2222
1471.8161	13	L	6	**658.3888**	329.6983
1570.8845	14	V	5	**545.3047**	273.1563
1699.9271	15	E	4	**446.2363**	223.6221
1770.9642	16	A	3	**317.1937**	159.1008
1842.0013	17	A	2	246.1566	123.5822
	18	R	1	175.1195	88.0637

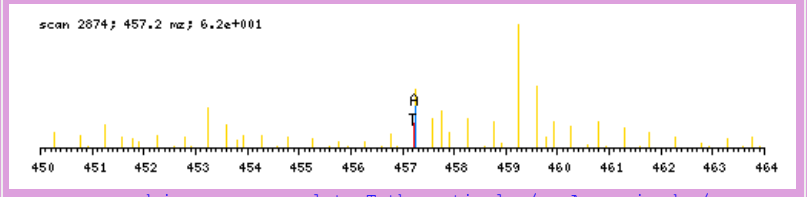
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVDAGAETMTQR, MH+ 1369.6422, m/z 457.2189
L OS G31 P160811 220811-s1.02876.02876.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



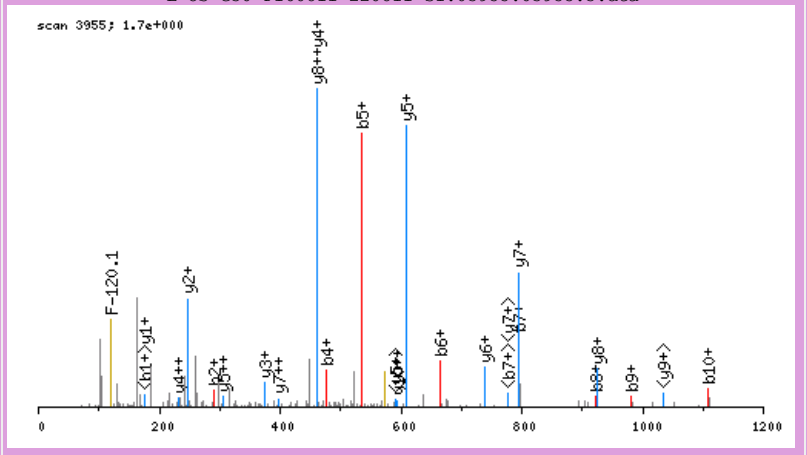
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
291.1708	2	V	11	1178.5476	589.7777
406.1978	3	D	10	1079.4791	540.2435
477.2349	4	A	9	964.4522	482.7300
534.2564	5	G	8	893.4151	447.2115
605.2935	6	A	7	836.3936	**418.7007**
734.3361	7	E	6	765.3565	383.1822
835.3837	8	T	5	**636.3139**	**318.6609**
966.4242	9	M	4	**535.2662**	**268.1370**
1067.4719	10	T	3	**404.2258**	202.6168
1195.5305	11	Q	2	**303.1781**	152.0930
	12	R	1	**175.1195**	88.0637

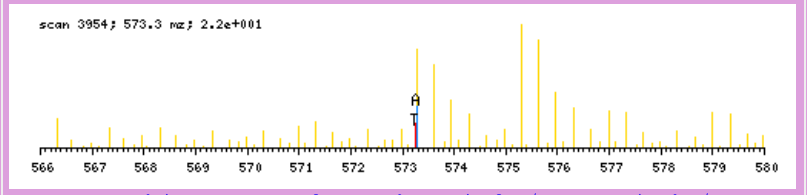
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVGEGMEEGEFSEAR, MH+ 1717.7379, m/z 573.2508
L OS G30 P160811 220811-s1.03955.03955.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



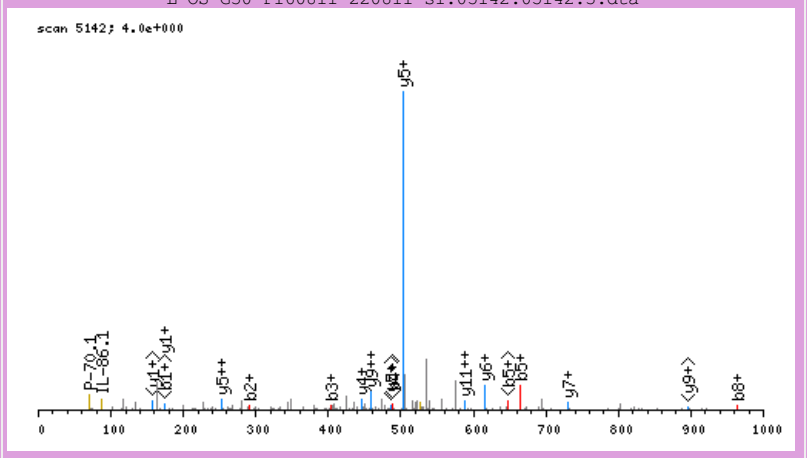
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
291.1708	2	V	14	1526.6433	763.8256
348.1923	3	G	13	1427.5749	714.2914
477.2349	4	E	12	1370.5534	685.7806
534.2564	5	G	11	1241.5108	621.2593
665.2968	6	M	10	1184.4894	592.7486
794.3394	7	E	9	1053.4489	527.2284
923.3820	8	E	8	924.4063	462.7071
980.4035	9	G	7	795.3637	398.1858
1109.4461	10	E	6	738.3422	369.6750
1256.5145	11	F	5	609.2997	305.1537
1343.5465	12	S	4	462.2312	231.6195
1472.5891	13	E	3	375.1992	188.1035
1543.6262	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

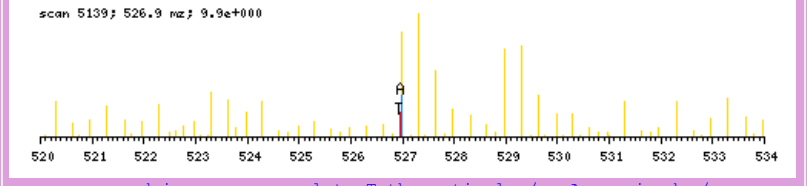
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVLTCPSNLGTGLR, MH+ 1578.8313, m/z 526.9486
L OS G30 P160811 220811-s1.05142.05142.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



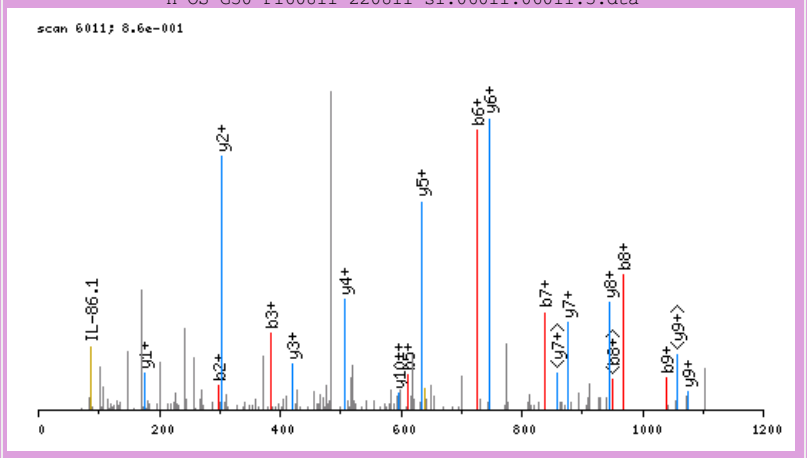
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	14		
291.1708	2	V	13	1387.7367	694.3723
404.2549	3	L	12	1288.6683	644.8381
505.3026	4	T	11	1175.5842	**588.2960**
665.3332	5	C	10	1074.5366	537.7722
762.3859	6	P	9	914.5060	**457.7569**
849.4180	7	S	8	817.4532	409.2305
963.4609	8	N	7	**730.4212**	365.7145
1076.5450	9	L	6	**616.3782**	308.6930
1133.5664	10	G	5	**503.2942**	**252.1510**
1234.6141	11	T	4	**446.2727**	223.6403
1291.6356	12	G	3	345.2250	173.1164
1404.7196	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

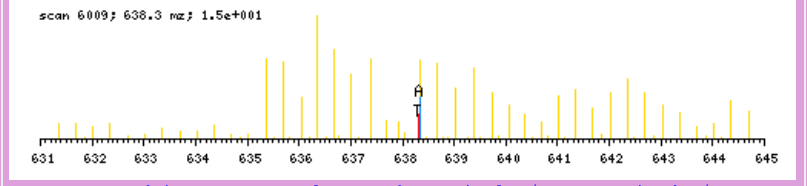
N-term:+29.04 C(5):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVSPEDLEAQLQSDER, MH+ 1912.9352, m/z 638.3166
H OS G30 P160811 220811-s1.06011.06011.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



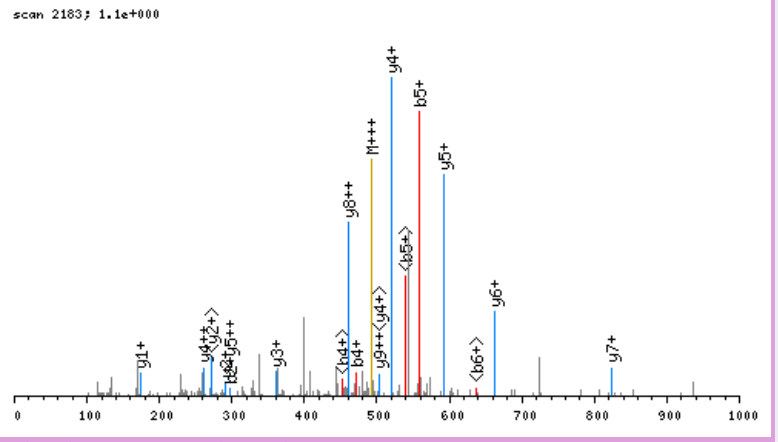
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
297.2026	2	V	15	1715.8088	858.4083
384.2347	3	S	14	1616.7404	808.8741
481.2874	4	P	13	1529.7084	765.3581
610.3300	5	E	12	1432.6556	716.8317
725.3570	6	D	11	1303.6130	652.3104
838.4410	7	L	10	1188.5861	594.7969
967.4836	8	E	9	1075.5020	538.2549
1038.5207	9	A	8	946.4594	473.7336
1166.5793	10	Q	7	875.4223	438.2151
1279.6634	11	L	6	747.3637	374.1858
1407.7220	12	Q	5	634.2796	317.6437
1494.7540	13	S	4	506.2211	253.6144
1609.7809	14	D	3	419.1890	210.0984
1738.8235	15	E	2	304.1621	152.5850
	16	R	1	175.1195	88.0637

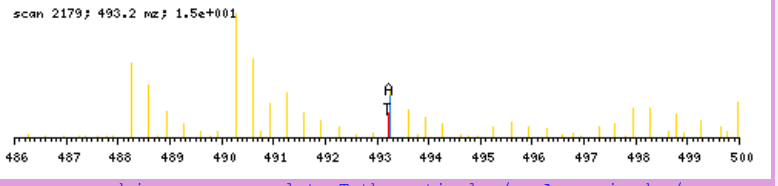
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVSSSPCAACADR, MH+ 1477.6627, m/z 493.2257
H OS G31 P160811 220811-s1.02183.02183.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



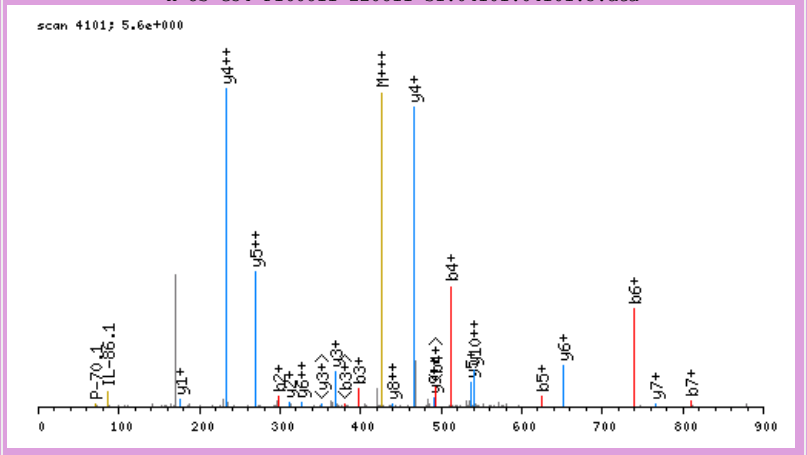
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	13		
297.2026	2	V	12	1280.5362	640.7720
384.2347	3	S	11	1181.4678	591.2378
471.2667	4	S	10	1094.4358	547.7218
558.2987	5	S	9	1007.4038	**504.2058**
655.3515	6	P	8	920.3717	**460.6898**
815.3821	7	C	7	**823.3190**	412.1634
886.4192	8	A	6	**663.2884**	332.1481
957.4563	9	A	5	**592.2513**	**296.6295**
1117.4869	10	C	4	**521.2142**	**261.1110**
1188.5240	11	A	3	**361.1836**	181.0957
1303.5510	12	D	2	**290.1464**	145.5771
	13	R	1	**175.1195**	88.0637

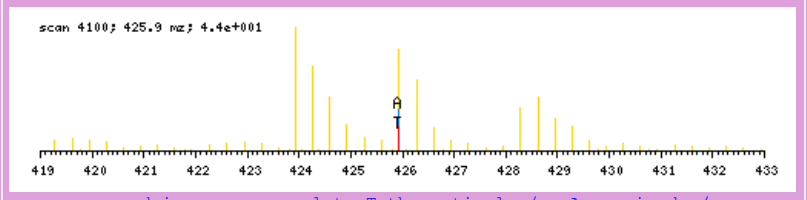
N-term:+35.07 C(7):+160.03
C(10):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

YVTIIDAPGHR, MH+ 1275.7273, m/z 425.9140
H OS G34 P160811 220811-s1.04101.04101.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



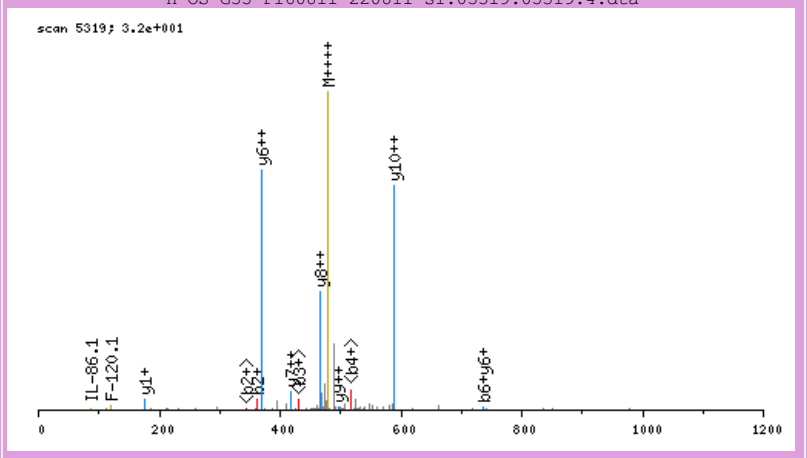
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	11		
297.2026	2	V	10	1078.6009	539.8044
398.2503	3	T	9	979.5325	490.2702
511.3344	4	I	8	878.4848	439.7463
624.4184	5	I	7	765.4008	383.2043
739.4454	6	D	6	652.3167	326.6623
810.4825	7	A	5	537.2898	269.1488
907.5353	8	P	4	466.2526	233.6302
964.5567	9	G	3	369.1999	185.1039
1101.6156	10	H	2	312.1784	156.5931
	11	R	1	175.1195	88.0637

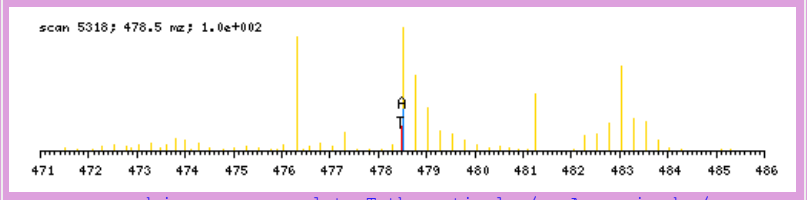
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

YYSSSIWGPTCDGLDR, MH+ 1910.8806, m/z 478.4756
H OS G35 P160811 220811-s1.05319.05319.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
361.1976	2	Y	15	1713.7542	857.3810
448.2296	3	S	14	1550.6909	775.8494
535.2616	4	S	13	1463.6589	732.3333
622.2936	5	S	12	1376.6268	688.8173
735.3777	6	I	11	1289.5948	645.3013
921.4570	7	W	10	1176.5107	**588.7593**
978.4785	8	G	9	990.4314	**495.7196**
1075.5312	9	P	8	933.4100	**467.2089**
1176.5789	10	T	7	836.3572	**418.6825**
1336.6095	11	C	6	**735.3095**	**368.1587**
1451.6365	12	D	5	575.2789	288.1434
1508.6579	13	G	4	460.2520	230.6299
1621.7420	14	L	3	403.2305	202.1192
1736.7689	15	D	2	290.1464	145.5771
	16	R	1	**175.1195**	88.0637

N-term:+35.07 C(11):+160.03