X-range:
0 - 0

MassTol: Y-zoom:
0. 1.

MassType:
○AVG ◉MONO

Axis:
◉1 ○2

Label:
◉I ○M ○-

Ions:

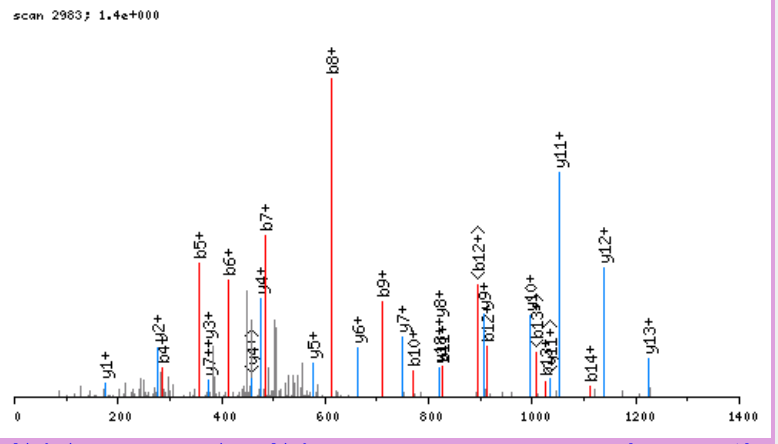
a	☐ $^{+}$	☐ $^{2+}$	☐ $^{3+}$
b	☑ $^{+}$	☐ $^{2+}$	☐ $^{3+}$
c	☐ $^{+}$	☐ $^{2+}$	☐ $^{3+}$
x	☐ $^{+}$	☐ $^{2+}$	☐ $^{3+}$
y	☑ $^{+}$	☑ $^{2+}$	☐ $^{3+}$
z	☐ $^{+}$	☐ $^{2+}$	☐ $^{3+}$

hide H_2O/NH_3 ☐

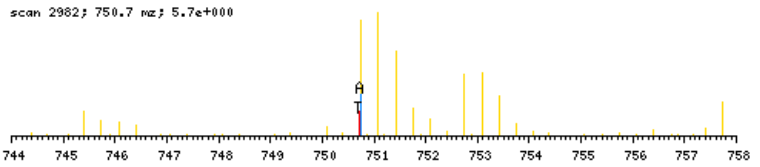
zoom 112-122 ☐

GO

AAGGAGAQVGGSISSGSSASSVTVTR, MH+ 2250.1326, m/z 750.7157
L OS G12 P120811 220811-s1.02983.02983.3.dta



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



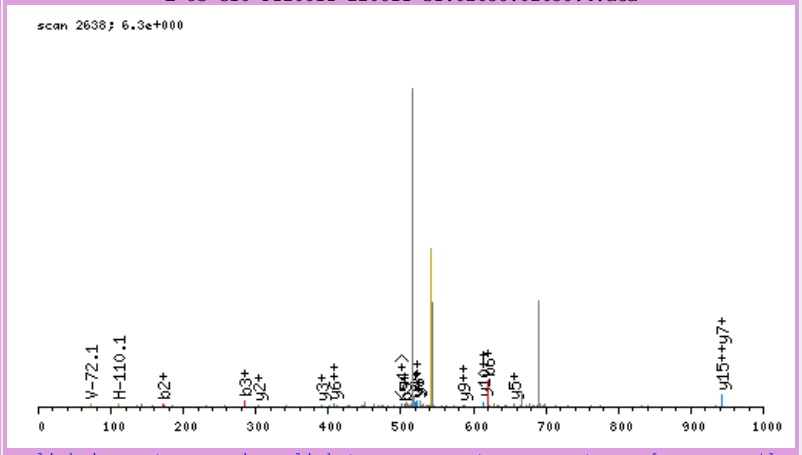
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

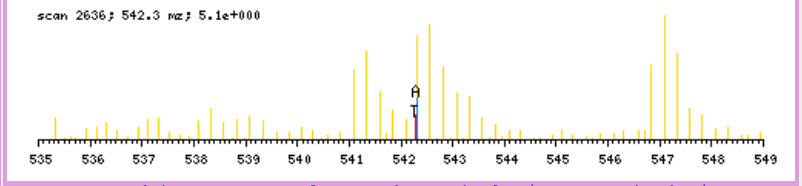
N-term:+29.04

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

AALGYDYKGETEKHESQR, MH+ 2166.0832, m/z 542.2762
L OS G18 P120811 220811-s1.02638.02638.4.dta



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



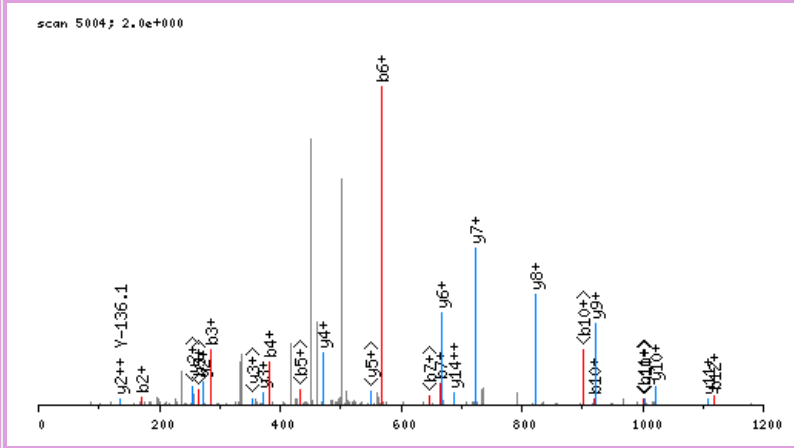
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
171.1133	2	A	17	2067.0148	1034.0113
284.1974	3	L	16	1995.9777	998.4927
341.2189	4	G	15	1882.8936	**941.9507**
504.2822	5	Y	14	1825.8721	913.4400
619.3091	6	D	13	1662.8088	831.9083
782.3725	7	Y	12	1547.7819	774.3948
938.4988	8	K	11	1384.7185	692.8632
995.5202	9	G	10	1228.5922	**614.8000**
1124.5628	10	E	9	1171.5708	**586.2893**
1225.6105	11	T	8	1042.5282	**521.7680**
1354.6531	12	E	7	**941.4805**	471.2442
1510.7794	13	K	6	812.4379	**406.7229**
1647.8383	14	H	5	**656.3116**	328.6597
1776.8809	15	E	4	**519.2527**	260.1303
1863.9129	16	S	3	**390.2101**	195.6090
1991.9715	17	Q	2	**303.1781**	152.0930
	18	R	1	175.1195	88.0637

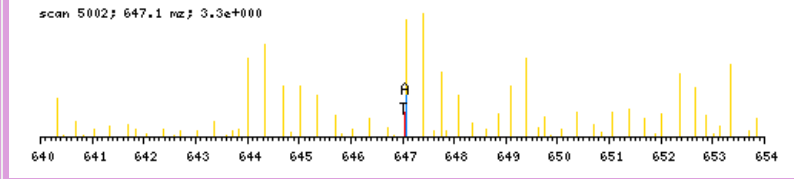
N-term:+29.04 K(8):+156.13
K(13):+156.13

AALPADPPASVVVGPVVVPR, MH+ 1939.1380, m/z 647.0509
L OS G12 P120811 220811-s1.05004.05004.3.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±]



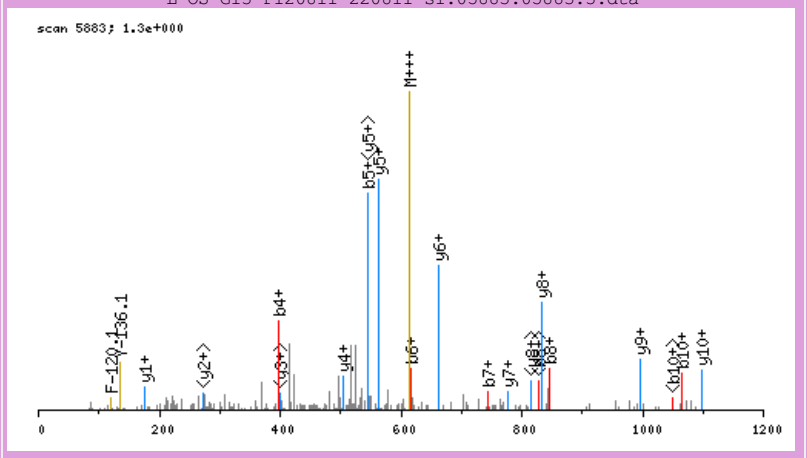
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
171.1133	2	A	19	1840.0696	920.5387
284.1974	3	L	18	1769.0325	885.0202
381.2502	4	P	17	1655.9485	828.4781
452.2873	5	A	16	1558.8957	779.9518
567.3142	6	D	15	1487.8586	744.4332
664.3670	7	P	14	1372.8316	**686.9197**
761.4197	8	P	13	1275.7789	638.3934
832.4569	9	A	12	1178.7261	589.8670
919.4889	10	S	11	**1107.6890**	554.3484
1018.5573	11	V	10	**1020.6570**	510.8324
1117.6257	12	V	9	**921.5886**	461.2982
1216.6941	13	V	8	**822.5201**	411.7640
1273.7156	14	G	7	**723.4517**	362.2298
1370.7684	15	P	6	**666.4303**	333.7190
1469.8368	16	V	5	569.3775	285.1927
1568.9052	17	V	4	**470.3091**	235.6585
1667.9736	18	V	3	**371.2407**	186.1243
1765.0264	19	P	2	**272.1723**	**136.5900**
	20	R	1	175.1195	88.0637

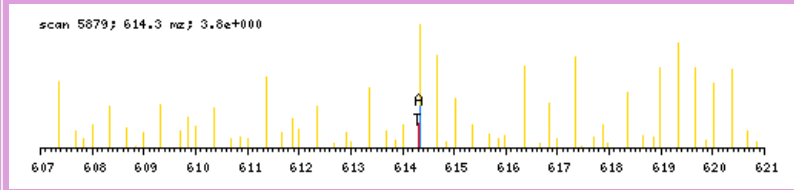
N-term:+29.04

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

AANLFAQTYGLTGSQDR, MH+ 1840.9193, m/z 614.3113
L OS G13 P120811 220811-s1.05883.05883.3.dta



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



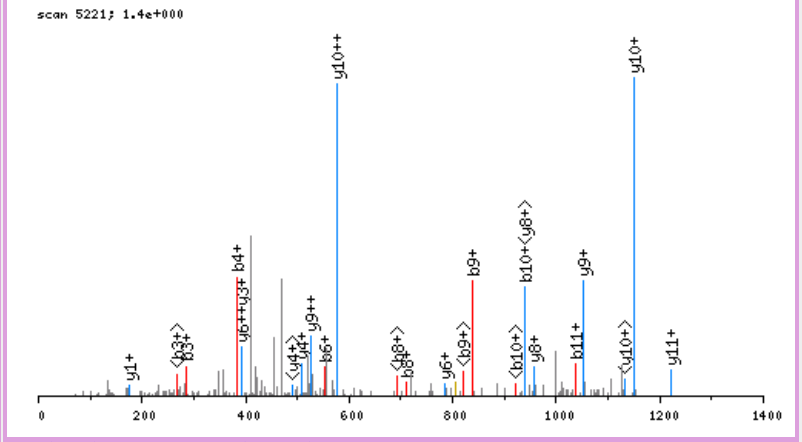
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
171.1133	2	A	16	1741.8509	871.4294
285.1563	3	N	15	1670.8138	835.9108
398.2403	4	L	14	1556.7709	778.8894
545.3087	5	F	13	1443.6868	722.3473
616.3458	6	A	12	1296.6184	648.8131
744.4044	7	Q	11	1225.5813	613.2946
845.4521	8	T	10	**1097.5227**	549.2653
1008.5154	9	Y	9	**996.4750**	498.7414
1065.5369	10	G	8	**833.4117**	417.2098
1178.6210	11	L	7	**776.3903**	388.6990
1279.6686	12	T	6	**663.3062**	332.1570
1336.6901	13	G	5	**562.2585**	281.6332
1423.7221	14	S	4	**505.2370**	253.1224
1551.7807	15	Q	3	418.2050	209.6064
1666.8077	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

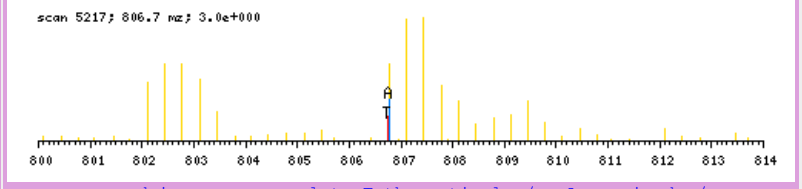
N-term:+29.04

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

AANVPAGTEVVCAPPTAYIDFAR, MH+ 2418.2127, m/z 806.7424
L OS G12 P120811 220811-s1.05221.05221.3.dta



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



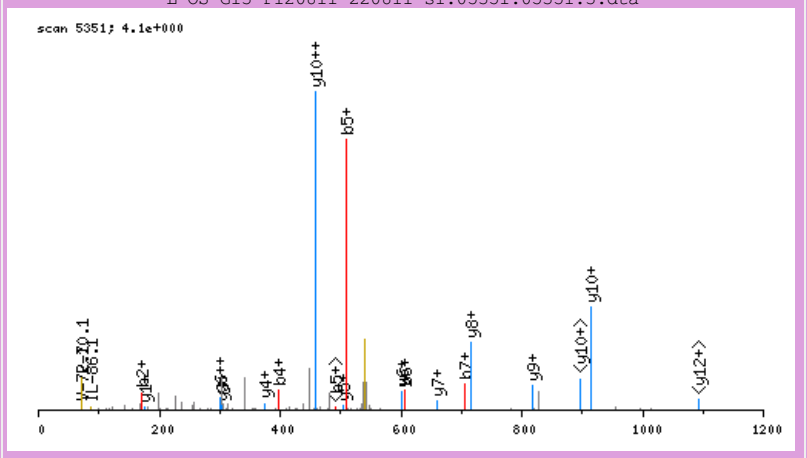
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	23		
171.1133	2	A	22	2319.1443	1160.0761
285.1563	3	N	21	2248.1072	1124.5575
384.2247	4	V	20	2134.0643	1067.5360
481.2774	5	P	19	2034.9958	1018.0018
552.3145	6	A	18	1937.9431	969.4755
609.3360	7	G	17	1866.9060	933.9569
710.3837	8	T	16	1809.8845	905.4462
839.4263	9	E	15	1708.8368	854.9223
938.4947	10	V	14	1579.7942	790.4010
1037.5631	11	V	13	1480.7258	740.8668
1197.5937	12	C	12	1381.6574	691.3326
1268.6308	13	A	11	**1221.6268**	611.3173
1365.6836	14	P	10	**1150.5897**	**575.7988**
1462.7364	15	P	9	**1053.5369**	**527.2724**
1563.7840	16	T	8	**956.4842**	478.7460
1634.8211	17	A	7	855.4365	428.2222
1797.8845	18	Y	6	**784.3994**	**392.7036**
1910.9685	19	I	5	621.3360	311.1719
2025.9955	20	D	4	**508.2520**	254.6299
2173.0639	21	F	3	**393.2250**	197.1164
2244.1010	22	A	2	246.1566	123.5822
	23	R	1	**175.1195**	88.0637

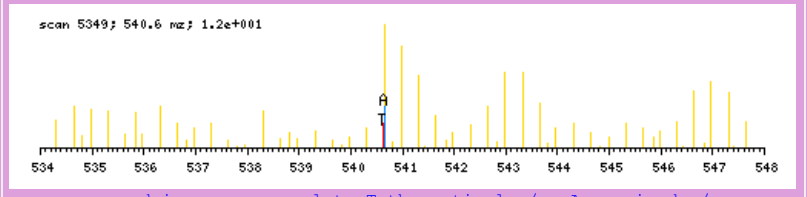
N-term:+29.04 C(12):+160.03

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

AAPELPVPTGGPMAGAR, MH+ 1619.8579, m/z 540.6242
L OS G13 P120811 220811-s1.05351.05351.3.dta



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

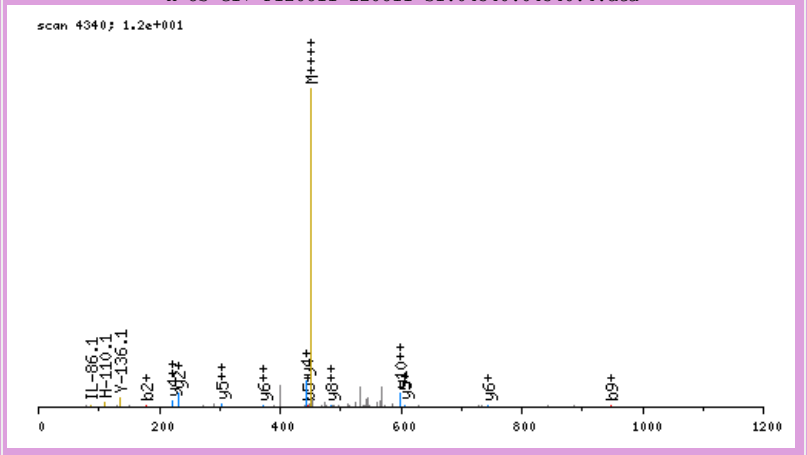


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

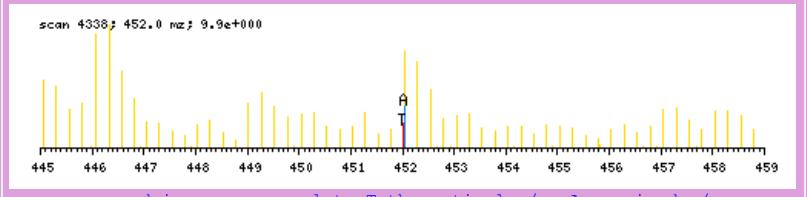
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
171.1133	2	A	16	1520.7895	760.8987
268.1661	3	P	15	1449.7524	725.3801
397.2087	4	E	14	1352.6996	676.8537
510.2927	5	L	13	1223.6571	612.3324
607.3455	6	P	12	1110.5730	555.7904
706.4139	7	V	11	1013.5202	507.2640
803.4667	8	P	10	**914.4518**	**457.7298**
904.5144	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

AAPGDKNLLLHYPDGR, MH+ 1805.0346, m/z 452.0141
H OS G17 P120811 220811-s1.04340.04340.4.dta



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



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

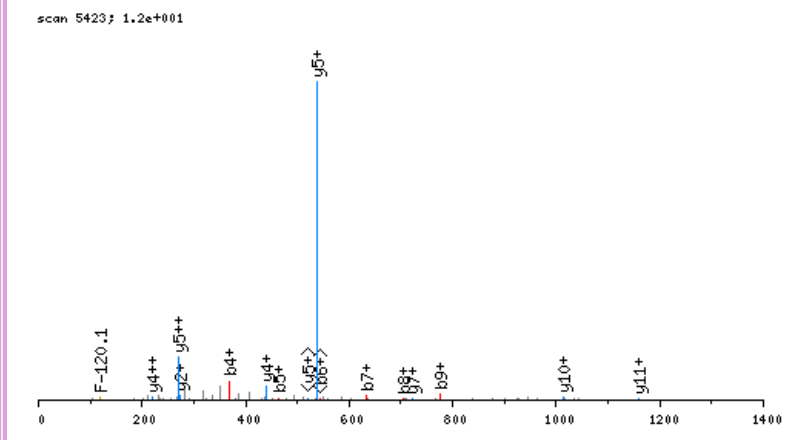
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	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

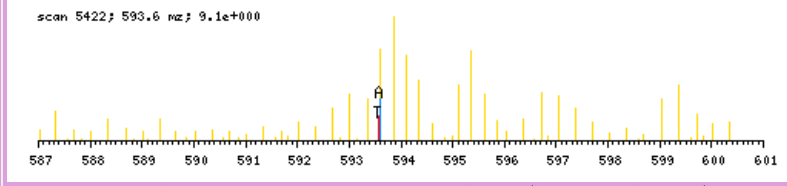
N-term:+35.07 K(6):+162.16

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

AAPVPPAAAPLLDFSSDSVPPAPR, MH+ 2371.2661, m/z 593.5720
L OS G12 P120811 220811-s1.05423.05423.4.dta



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



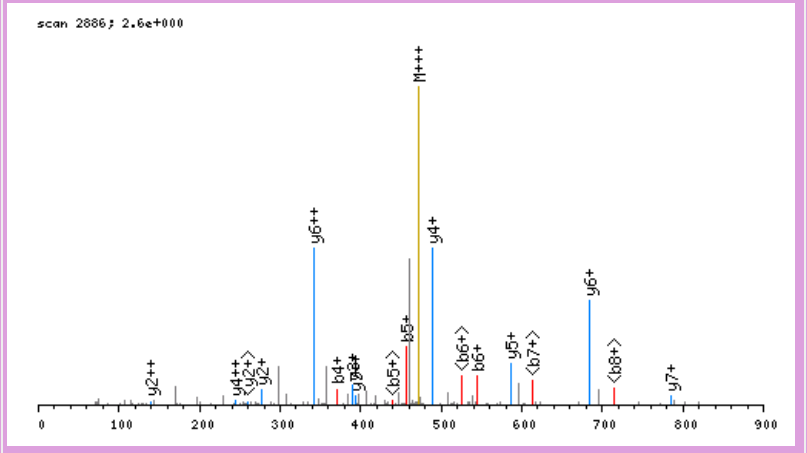
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	24		
171.1133	2	A	23	2272.1978	1136.6028
268.1661	3	P	22	2201.1606	1101.0842
367.2345	4	V	21	2104.1079	1052.5579
464.2873	5	P	20	2005.0395	1003.0236
561.3400	6	P	19	1907.9867	954.4973
632.3771	7	A	18	1810.9339	905.9709
703.4143	8	A	17	1739.8968	870.4523
774.4514	9	A	16	1668.8597	834.9338
871.5041	10	P	15	1597.8226	799.4152
984.5882	11	L	14	1500.7698	750.8888
1097.6723	12	L	13	1387.6858	694.3468
1212.6992	13	D	12	1274.6017	637.8048
1359.7676	14	F	11	**1159.5748**	580.2913
1446.7997	15	S	10	**1012.5063**	506.7571
1533.8317	16	S	9	925.4743	463.2411
1648.8586	17	D	8	838.4423	419.7251
1735.8907	18	S	7	**723.4153**	362.2116
1834.9591	19	V	6	636.3833	318.6956
1932.0118	20	P	5	**537.3149**	**269.1614**
2029.0646	21	P	4	**440.2621**	**220.6350**
2100.1017	22	A	3	343.2094	172.1086
2197.1545	23	P	2	**272.1723**	136.5900
	24	R	1	175.1195	88.0637

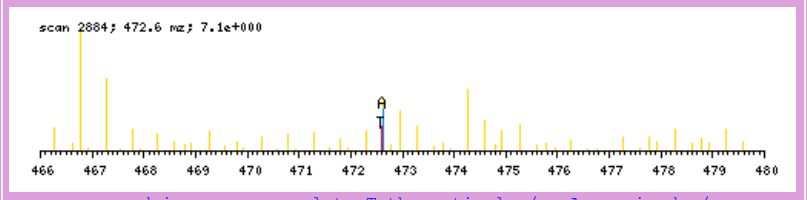
N-term:+29.04

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

AAQASSSTPVVITR, MH+ 1415.7858, m/z 472.6001
L OS G13 P120811 220811-s1.02886.02886.3.dta



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



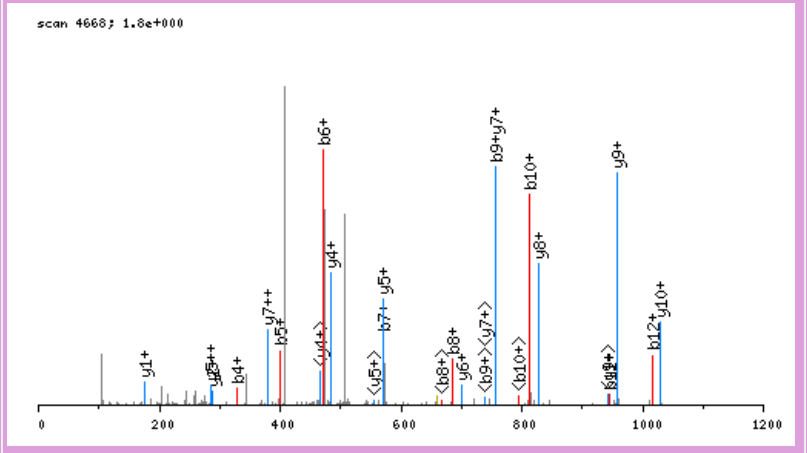
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
171.1133	2	A	13	1316.7174	658.8626
299.1719	3	Q	12	1245.6803	623.3441
370.2090	4	A	11	1117.6217	559.3148
457.2410	5	S	10	1046.5846	523.7962
544.2731	6	S	9	959.5526	480.2802
631.3051	7	S	8	872.5205	436.7642
732.3528	8	T	7	**785.4885**	**393.2482**
829.4055	9	P	6	**684.4408**	**342.7243**
928.4740	10	V	5	**587.3881**	294.1979
1027.5424	11	V	4	**488.3197**	**244.6637**
1140.6264	12	I	3	**389.2512**	195.1295
1241.6741	13	T	2	**276.1672**	**138.5875**
	14	R	1	175.1195	88.0637

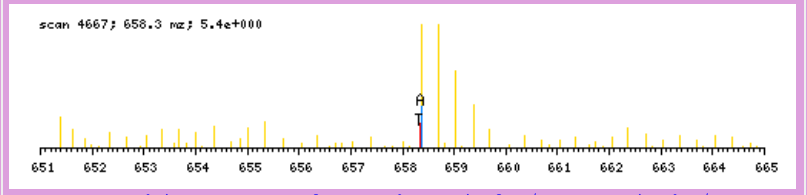
N-term:+29.04

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

AASAAAVDAGMAMAGQSPVLR, MH+ 1972.9948, m/z 658.3365
L OS G12 P120811 220811-s1.04668.04668.3.dta



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



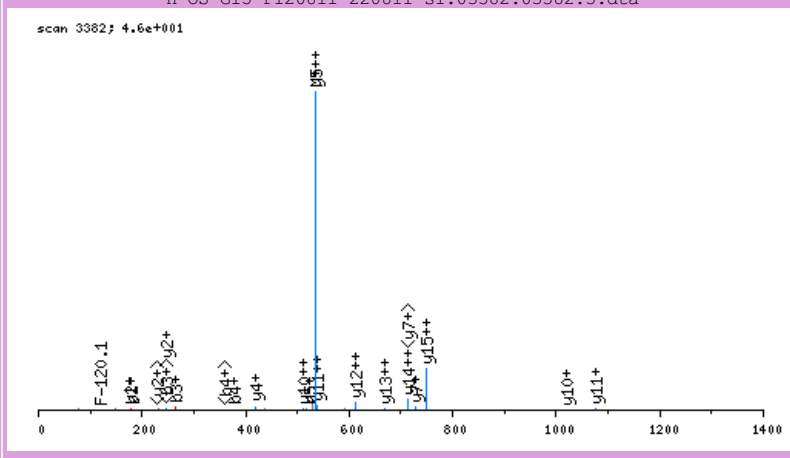
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
171.1133	2	A	20	1873.9264	937.4671
258.1454	3	S	19	1802.8893	901.9486
329.1825	4	A	18	1715.8573	858.4326
400.2196	5	A	17	1644.8202	822.9140
471.2567	6	A	16	1573.7831	787.3954
570.3251	7	V	15	1502.7459	751.8769
685.3521	8	D	14	1403.6775	702.3427
756.3892	9	A	13	1288.6506	644.8292
813.4106	10	G	12	1217.6135	609.3106
944.4511	11	M	11	1160.5920	580.7999
1015.4882	12	A	10	**1029.5515**	515.2797
1146.5287	13	M	9	**958.5144**	479.7611
1217.5658	14	A	8	**827.4739**	414.2409
1274.5873	15	G	7	**756.4368**	**378.7223**
1402.6459	16	Q	6	**699.4153**	350.2116
1489.6779	17	S	5	**571.3568**	**286.1823**
1586.7307	18	P	4	**484.3247**	242.6663
1685.7991	19	V	3	387.2720	194.1399
1798.8831	20	L	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

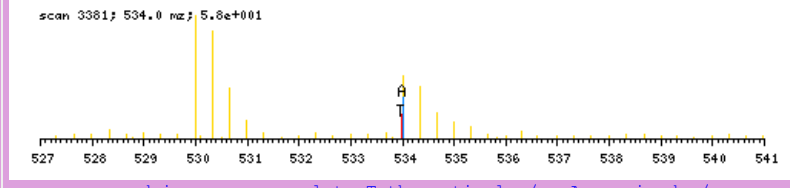
N-term:+29.04

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

AASIFGGAKPVDTAAR, MH+ 1599.9495, m/z 533.9880
H OS G15 P120811 220811-s1.03382.03382.3.dta



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



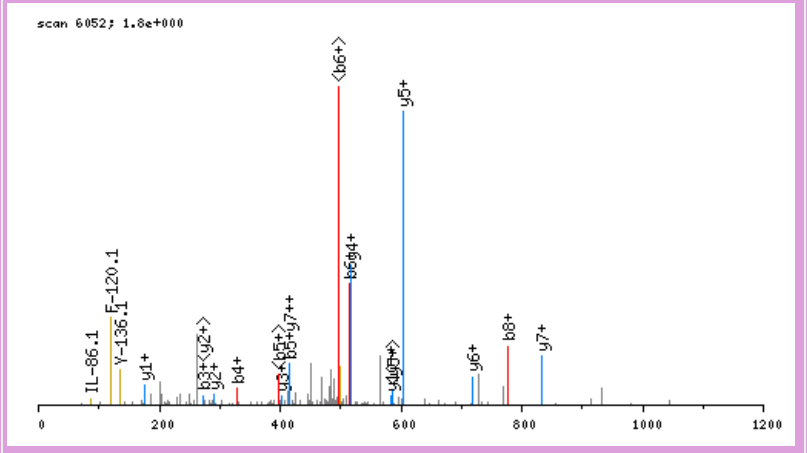
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
177.1451	2	A	15	1494.8493	**747.9286**
264.1772	3	S	14	1423.8122	**712.4100**
377.2612	4	I	13	1336.7801	**668.8940**
524.3296	5	F	12	1223.6961	**612.3520**
581.3511	6	G	11	**1076.6277**	**538.8177**
638.3726	7	G	10	**1019.6062**	**510.3070**
709.4097	8	A	9	962.5847	481.7963
871.5678	9	K	8	891.5476	446.2777
968.6205	10	P	7	**729.3895**	365.1987
1067.6890	11	V	6	632.3368	316.6723
1182.7159	12	D	5	**533.2683**	267.1381
1283.7636	13	T	4	**418.2414**	209.6246
1354.8007	14	A	3	317.1937	159.1008
1425.8378	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

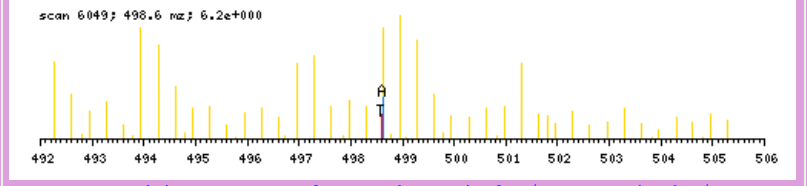
N-term:+35.07 K(9):+162.16

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

AATGSVFDISNLDR, MH+ 1493.7600, m/z 498.5915
L OS G13 P120811 220811-s1.06052.06052.3.dta



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



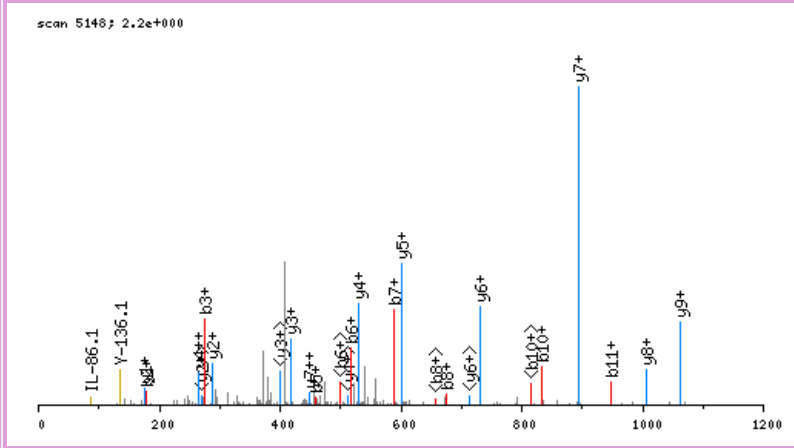
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
171.1133	2	A	13	1394.6916	697.8497
272.1610	3	T	12	1323.6545	662.3311
329.1825	4	G	11	1222.6068	611.8073
416.2145	5	S	10	1165.5853	**583.2966**
515.2829	6	V	9	1078.5533	539.7806
662.3513	7	F	8	979.4849	490.2464
777.3783	8	D	7	**832.4165**	**416.7121**
890.4623	9	I	6	**717.3895**	359.1987
977.4944	10	S	5	**604.3055**	302.6566
1091.5373	11	N	4	**517.2734**	259.1406
1204.6214	12	L	3	**403.2305**	202.1192
1319.6483	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

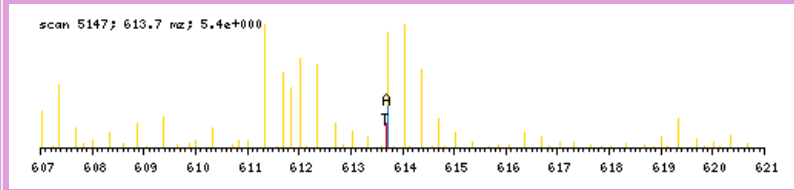
N-term:+29.04

AAVPSGASTGIYEALELR, MH+ 1839.0076, m/z 613.6740
H OS G12 P120811 220811-s1.05148.05148.3.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±]



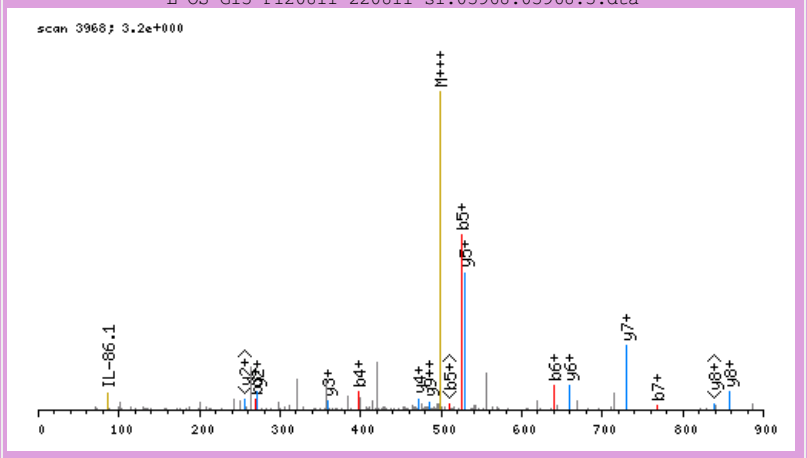
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
177.1451	2	A	17	1733.9074	867.4576
276.2135	3	V	16	1662.8703	831.9391
373.2663	4	P	15	1563.8019	782.4048
460.2983	5	S	14	1466.7491	733.8785
517.3198	6	G	13	1379.7171	690.3624
588.3569	7	A	12	1322.6956	661.8517
675.3889	8	S	11	1251.6585	626.3332
776.4366	9	T	10	1164.6265	582.8171
833.4581	10	G	9	**1063.5788**	532.2933
946.5421	11	I	8	**1006.5573**	503.7826
1109.6055	12	Y	7	**893.4733**	**447.2405**
1238.6481	13	E	6	**730.4099**	365.7089
1309.6852	14	A	5	**601.3673**	301.1876
1422.7692	15	L	4	**530.3302**	**265.6690**
1551.8118	16	E	3	**417.2462**	209.1270
1664.8959	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

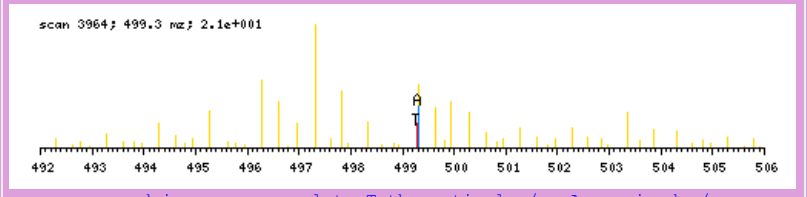
N-term:+35.07

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

AAVQQLQAEGLSPR, MH+ 1495.8232, m/z 499.2793
L OS G13 P120811 220811-s1.03968.03968.3.dta



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



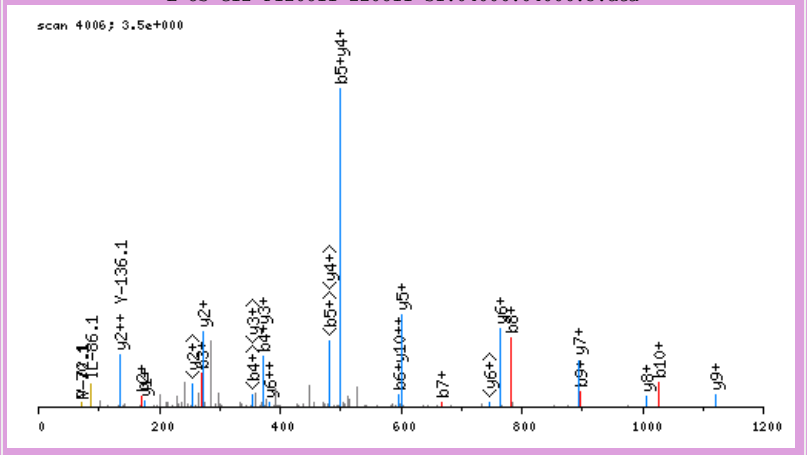
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
171.1133	2	A	13	1396.7549	698.8813
270.1817	3	V	12	1325.7177	663.3628
398.2403	4	Q	11	1226.6493	613.8286
526.2989	5	Q	10	1098.5907	549.7993
639.3830	6	L	9	970.5322	**485.7700**
767.4415	7	Q	8	**857.4481**	429.2280
838.4787	8	A	7	**729.3895**	365.1987
967.5212	9	E	6	**658.3524**	329.6801
1024.5427	10	G	5	**529.3098**	265.1588
1137.6268	11	L	4	**472.2884**	236.6481
1224.6588	12	S	3	**359.2043**	180.1061
1321.7116	13	P	2	**272.1723**	136.5900
	14	R	1	175.1195	88.0637

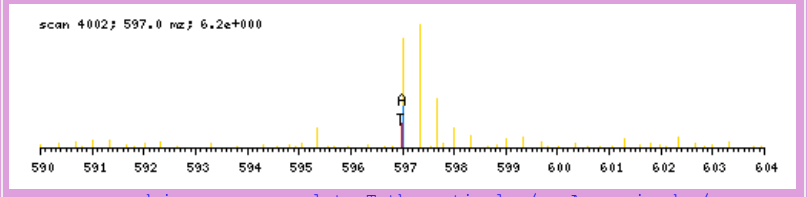
N-term:+29.04

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

AAVTEPADLEYTEVPR, MH+ 1788.9019, m/z 596.9722
L OS G12 P120811 220811-s1.04006.04006.3.dta



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



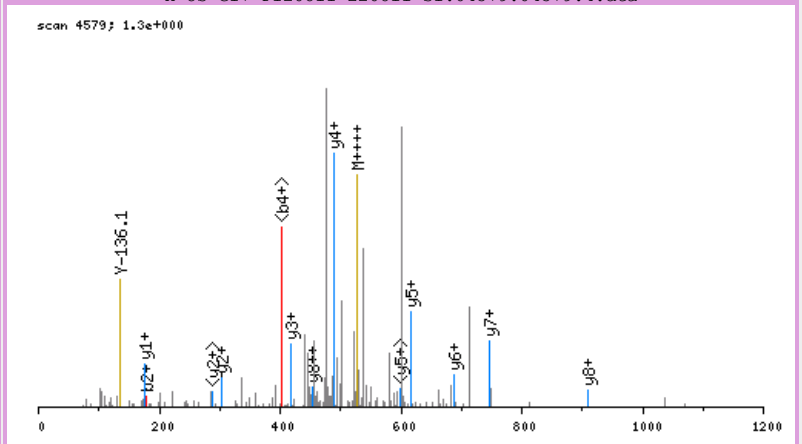
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
171.1133	2	A	15	1689.8336	845.4207
270.1817	3	V	14	1618.7964	809.9021
371.2294	4	T	13	1519.7280	760.3679
500.2720	5	E	12	1418.6803	709.8441
597.3248	6	P	11	1289.6378	645.3228
668.3619	7	A	10	1192.5850	596.7964
783.3888	8	D	9	1121.5479	561.2779
896.4729	9	L	8	1006.5209	503.7644
1025.5155	10	E	7	893.4369	447.2223
1188.5788	11	Y	6	764.3943	382.7011
1289.6265	12	T	5	601.3310	301.1694
1418.6691	13	E	4	500.2833	250.6455
1517.7375	14	V	3	371.2407	186.1243
1614.7903	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

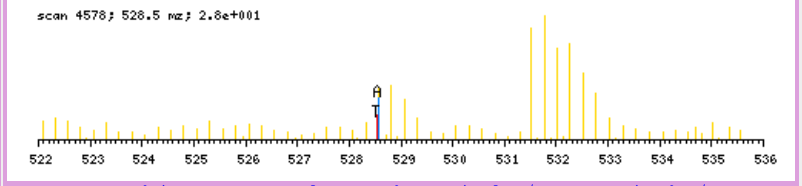
N-term:+29.04

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

AAWGKIGGHGAEYGAEALER, MH+ 2111.1310, m/z 528.5382
H OS G17 P120811 220811-s1.04579.04579.4.dta



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



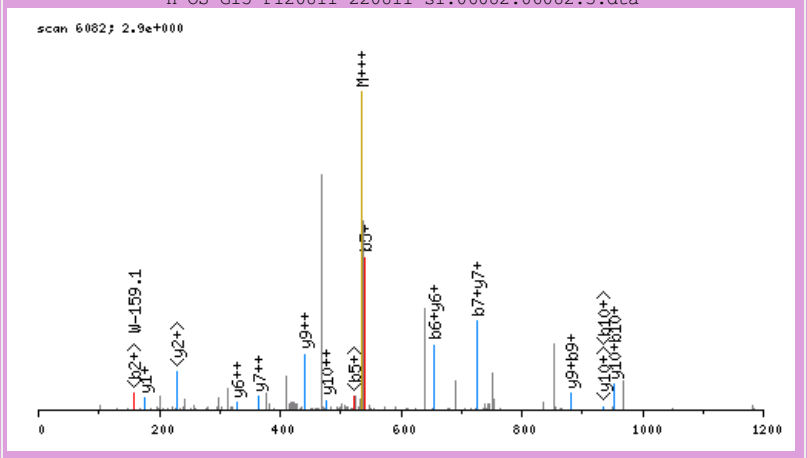
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

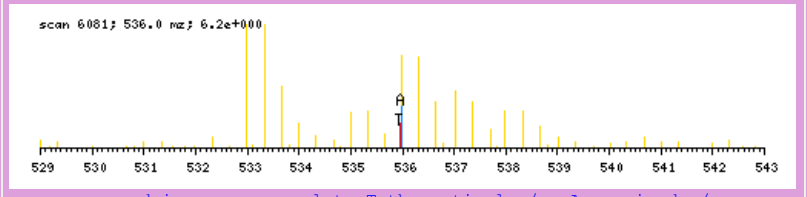
N-term:+35.07 K(5):+162.16

AAYISNAVGAAYSSAR, MH+ 1605.8449, m/z 535.9531
H OS G15 P120811 220811-s1.06082.06082.3.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±]



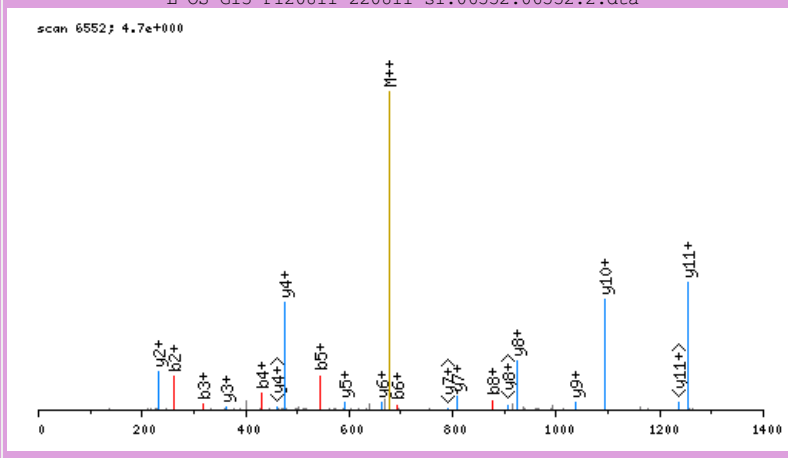
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

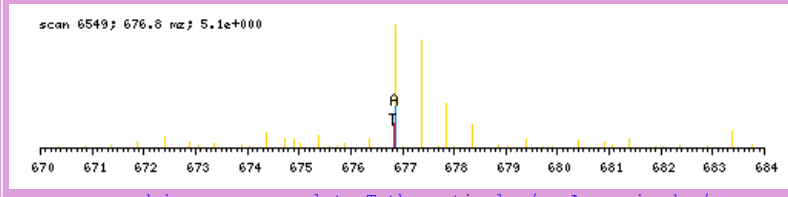
N-term:+35.07

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

ACGLNFADLMGR, MH+ 1352.6454, m/z 676.8264
L OS G13 P120811 220811-s1.06552.06552.2.dta



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



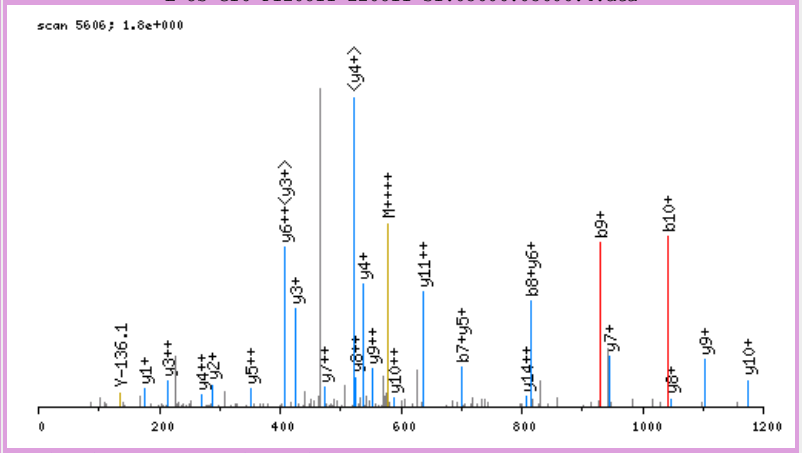
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
260.1068	2	C	11	1253.5770	627.2924
317.1283	3	G	10	1093.5464	547.2771
430.2123	4	L	9	1036.5250	518.7664
544.2553	5	N	8	923.4409	462.2244
691.3237	6	F	7	809.3980	405.2029
762.3608	7	A	6	662.3296	331.6687
877.3877	8	D	5	591.2925	296.1501
990.4718	9	L	4	476.2655	238.6367
1121.5123	10	M	3	363.1814	182.0946
1178.5338	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

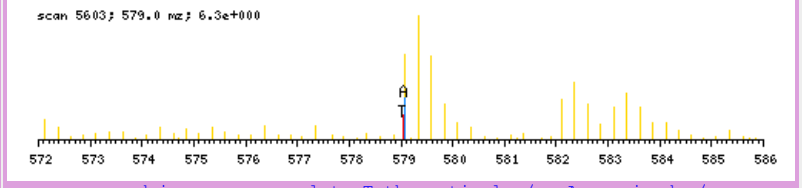
N-term:+29.04 C(2):+160.03

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

ADASKGDDLLPAGTEDYIHIR, MH+ 2313.1727, m/z 579.0486
L OS G16 P120811 220811-s1.05606.05606.4.dta



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



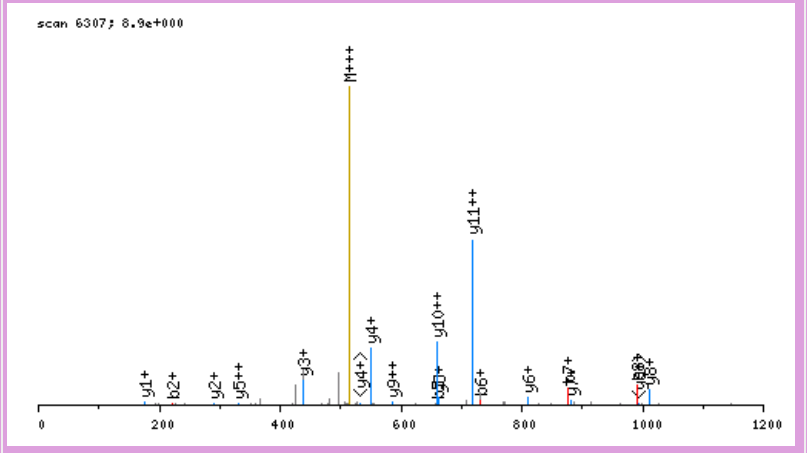
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
215.1032	2	D	20	2214.1043	1107.5561
286.1403	3	A	19	2099.0773	1050.0426
373.1723	4	S	18	2028.0402	1014.5240
529.2986	5	K	17	1941.0082	971.0080
586.3201	6	G	16	1784.8819	892.9449
701.3470	7	D	15	1727.8604	864.4341
816.3739	8	D	14	1612.8335	**806.9207**
929.4580	9	L	13	1497.8066	749.4072
1042.5421	10	L	12	1384.7225	692.8652
1139.5948	11	P	11	1271.6384	**636.3231**
1210.6320	12	A	10	**1174.5857**	**587.7967**
1267.6534	13	G	9	**1103.5485**	**552.2782**
1368.7011	14	T	8	**1046.5271**	**523.7675**
1497.7437	15	E	7	**945.4794**	**473.2436**
1612.7706	16	D	6	**816.4368**	**408.7223**
1775.8340	17	Y	5	**701.4099**	**351.2088**
1888.9180	18	I	4	**538.3465**	**269.6772**
2025.9769	19	H	3	**425.2625**	**213.1352**
2139.0610	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

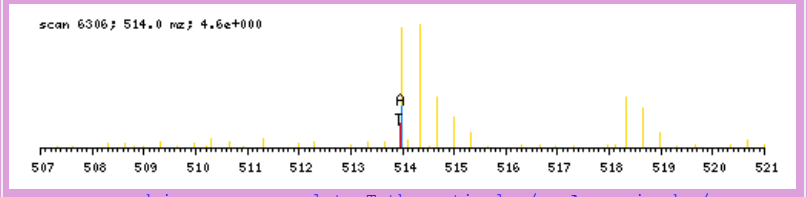
N-term:+29.04 K(5):+156.13

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

ADFKEAFLLFDR, MH+ 1539.8848, m/z 513.9664
H OS G16 P120811 220811-s1.06307.06307.3.dta



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



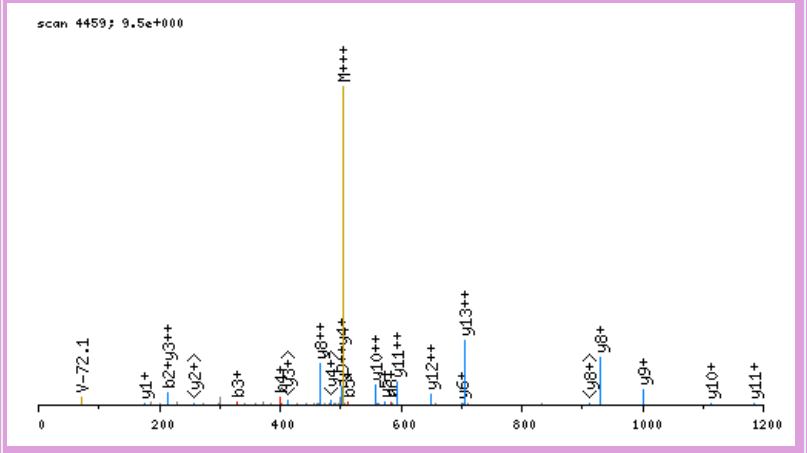
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

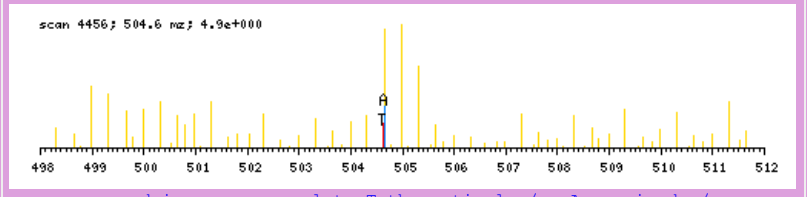
N-term:+35.07 K(4):+162.16

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

ADIALAPMEAAKVR, MH+ 1511.8620, m/z 504.6255
L OS G15 P120811 220811-s1.04459.04459.3.dta



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



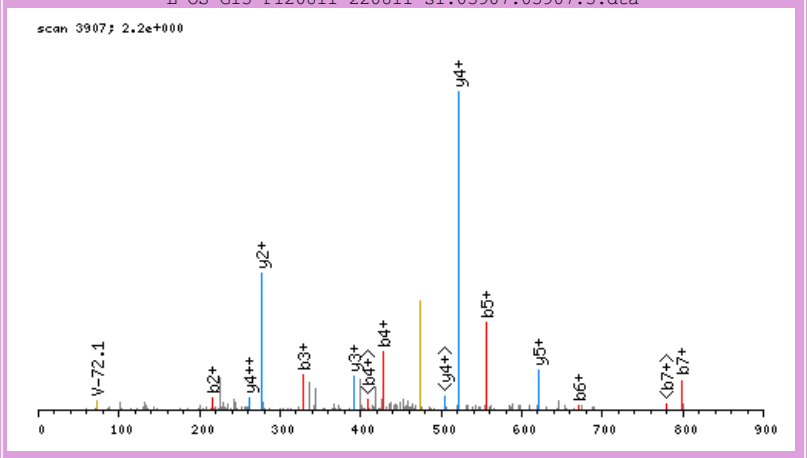
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
215.1032	2	D	13	1412.7936	706.9007
328.1872	3	I	12	1297.7666	649.3872
399.2243	4	A	11	1184.6826	592.8452
512.3084	5	L	10	1113.6455	557.3266
583.3455	6	A	9	1000.5614	500.7846
680.3983	7	P	8	929.5243	465.2661
811.4388	8	M	7	832.4715	416.7397
940.4814	9	E	6	701.4310	351.2194
1011.5185	10	A	5	572.3884	286.6981
1082.5556	11	A	4	501.3513	251.1796
1238.6819	12	K	3	430.3142	215.6610
1337.7503	13	V	2	274.1879	137.5979
	14	R	1	175.1195	88.0637

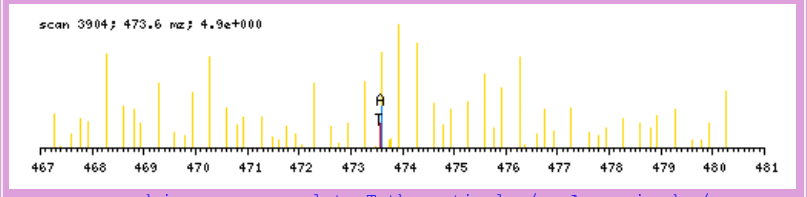
N-term:+29.04 K(12):+156.13

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

ADIVENQVMDTR, MH+ 1418.6949, m/z 473.5698
L_OS_G13_P120811_220811-s1.03907.03907.3.dta



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



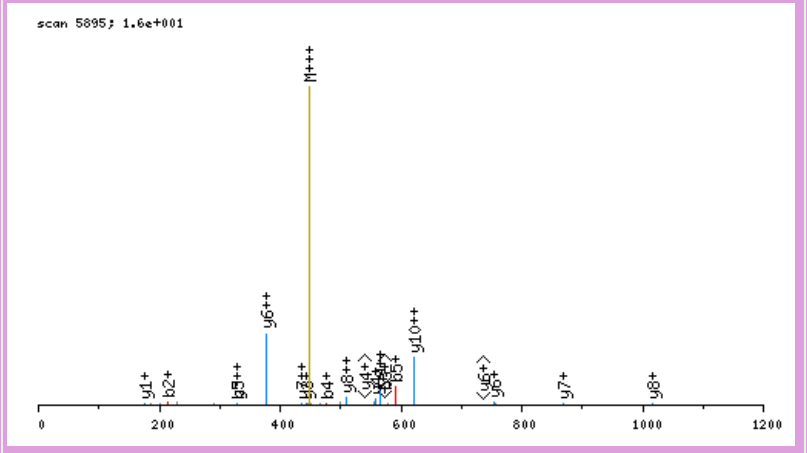
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
215.1032	2	D	11	1319.6265	660.3172
328.1872	3	I	10	1204.5996	602.8037
427.2556	4	V	9	1091.5155	546.2617
556.2982	5	E	8	992.4471	496.7275
670.3412	6	N	7	863.4045	432.2062
798.3997	7	Q	6	749.3616	375.1847
897.4681	8	V	5	621.3030	311.1554
1028.5086	9	M	4	522.2346	261.6212
1143.5356	10	D	3	391.1941	196.1010
1244.5833	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

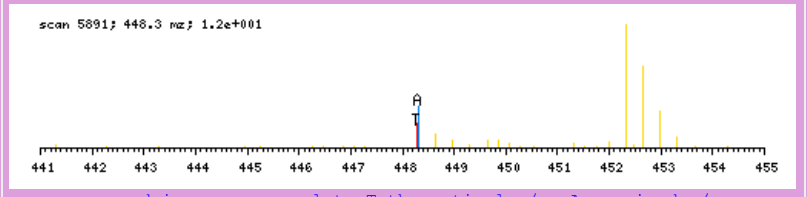
N-term:+29.04

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

ADLFDPVIKLR, MH+ 1342.8099, m/z 448.2748
L OS G15 P120811 220811-s1.05895.05895.3.dta



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



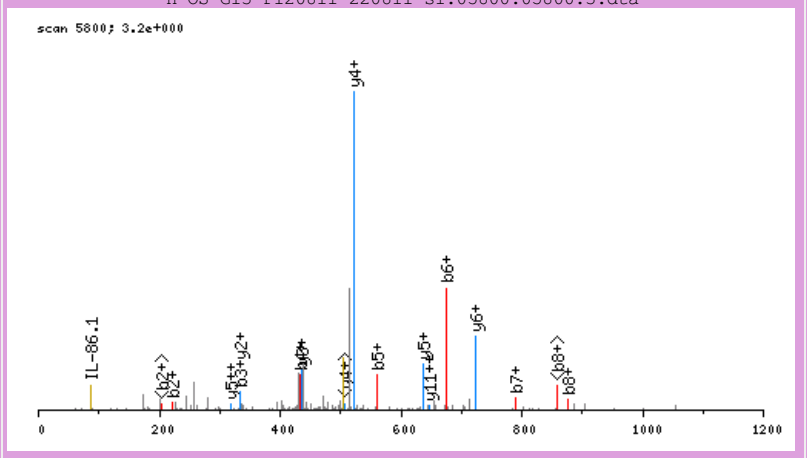
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	11		
215.1032	2	D	10	1243.7415	622.3746
328.1872	3	L	9	1128.7145	564.8612
475.2556	4	F	8	1015.6305	508.3191
590.2826	5	D	7	868.5620	434.7849
687.3353	6	P	6	753.5351	377.2715
786.4038	7	V	5	656.4823	328.7451
899.4878	8	I	4	557.4139	279.2109
1055.6141	9	K	3	444.3299	222.6688
1168.6982	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

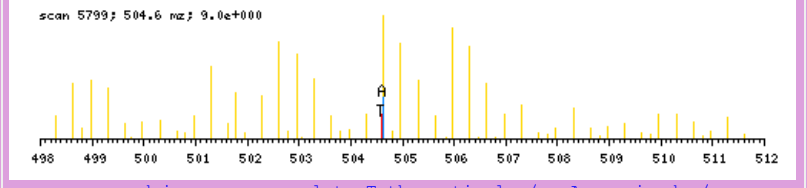
N-term:+29.04 K(9):+156.13

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

ADLVQDLSISTCR, MH+ 1511.7951, m/z 504.6032
H_OS_G13_P120811_220811-s1.05800.05800.3.dta



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



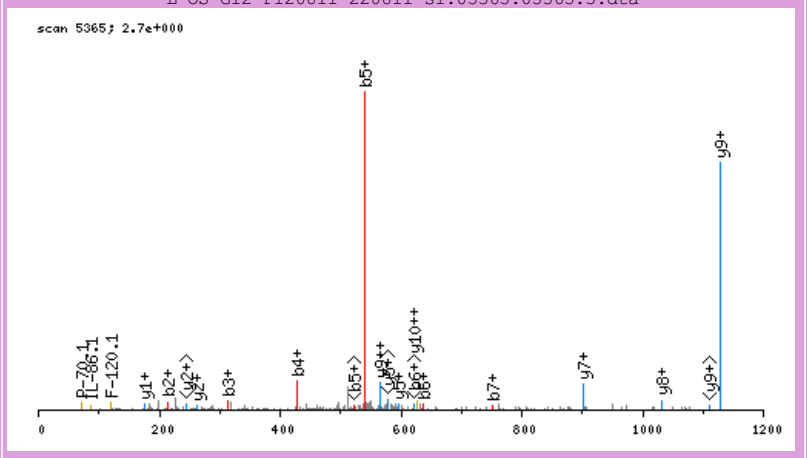
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

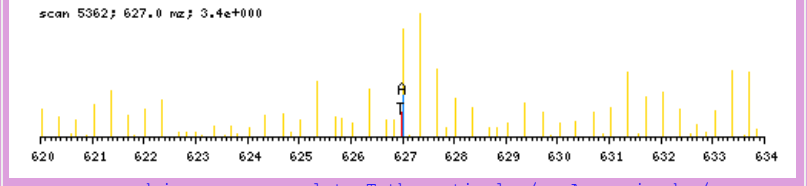
N-term:+35.07 C(12):+160.03

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

ADVLNPLPECFYAVSR, MH+ 1878.9423, m/z 626.9856
L OS G12 P120811 220811-s1.05365.05365.3.dta



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



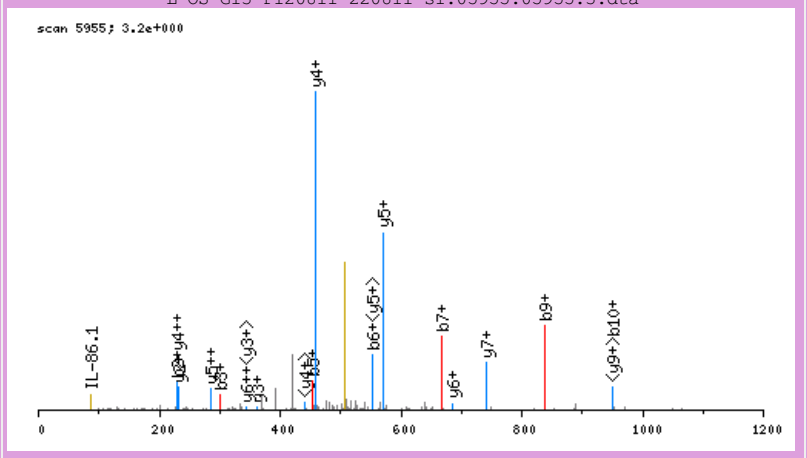
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
215.1032	2	D	15	1779.8739	890.4409
314.1716	3	V	14	1664.8470	832.9274
427.2556	4	L	13	1565.7786	783.3932
541.2986	5	N	12	1452.6945	726.8512
638.3513	6	P	11	1338.6516	669.8297
751.4354	7	L	10	1241.5988	621.3033
848.4882	8	P	9	1128.5148	564.7613
977.5307	9	E	8	1031.4620	516.2349
1137.5613	10	C	7	902.4194	451.7136
1284.6298	11	F	6	742.3888	371.6983
1447.6931	12	Y	5	595.3204	298.1641
1518.7302	13	A	4	432.2571	216.6324
1617.7986	14	V	3	361.2199	181.1139
1704.8306	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

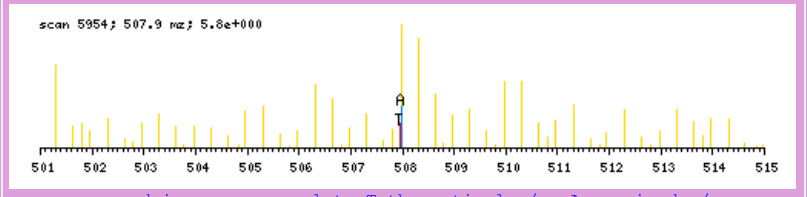
N-term:+29.04 C(10):+160.03

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

AEAPGVDLGILPEGR, MH+ 1521.8277, m/z 507.9474
L OS G13 P120811 220811-s1.05955.05955.3.dta



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



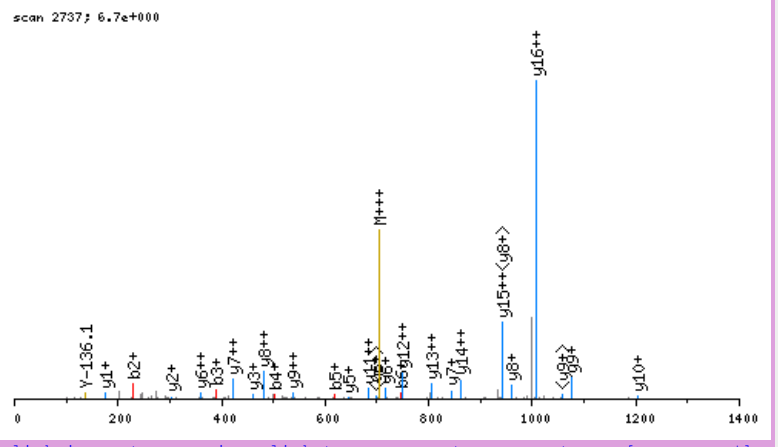
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

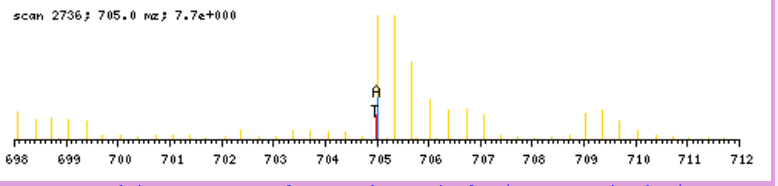
N-term:+29.04

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

AECLDEYEDDEAGQKER, MH+ 2112.9031, m/z 704.9726
L OS G15 P120811 220811-s1.02737.02737.3.dta



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



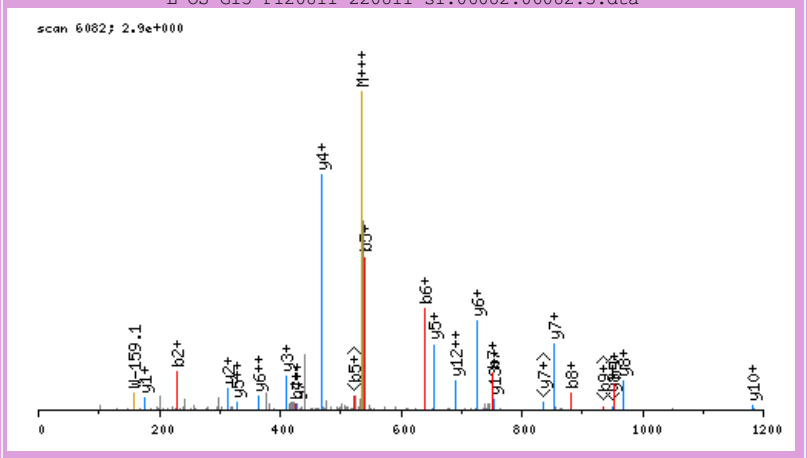
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
229.1188	2	E	16	2013.8347	**1007.4213**
389.1494	3	C	15	1884.7922	**942.9000**
502.2335	4	L	14	1724.7616	**862.8847**
617.2604	5	D	13	1611.6775	**806.3427**
746.3030	6	E	12	1496.6505	**748.8292**
909.3663	7	Y	11	1367.6079	**684.3079**
1038.4089	8	E	10	**1204.5446**	602.7762
1153.4359	9	D	9	**1075.5020**	**538.2549**
1268.4628	10	D	8	**960.4751**	**480.7415**
1397.5054	11	E	7	**845.4481**	**423.2280**
1468.5425	12	A	6	**716.4055**	**358.7067**
1525.5640	13	G	5	**645.3684**	323.1881
1653.6226	14	Q	4	588.3470	294.6774
1809.7489	15	K	3	**460.2884**	230.6481
1938.7915	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

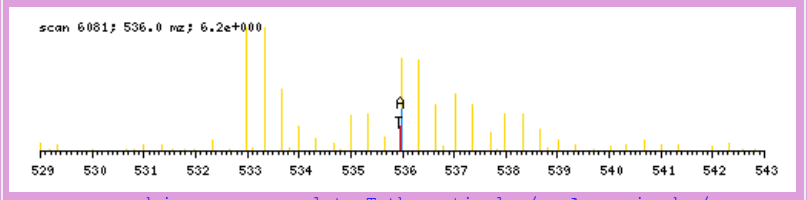
N-term:+29.04 C(3):+160.03
K(15):+156.13

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

AEPVDVLEAWGVHR, MH+ 1605.8389, m/z 535.9511
L OS G15 P120811 220811-s1.06082.06082.3.dta



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



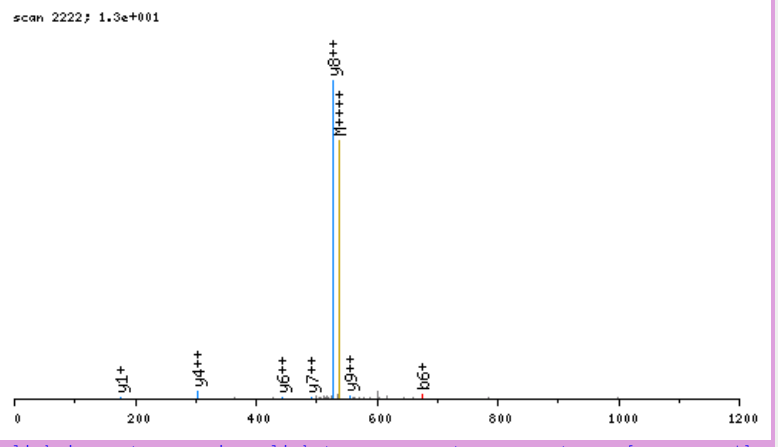
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
229.1188	2	E	13	1506.7705	753.8892
326.1716	3	P	12	1377.7279	689.3679
425.2400	4	V	11	1280.6751	640.8415
540.2669	5	D	10	1181.6067	591.3073
639.3353	6	V	9	1066.5798	533.7938
752.4194	7	L	8	967.5114	484.2596
881.4620	8	E	7	854.4273	427.7176
952.4991	9	A	6	725.3847	363.1963
1138.5784	10	W	5	654.3476	327.6777
1195.5999	11	G	4	468.2683	234.6381
1294.6683	12	V	3	411.2468	206.1273
1431.7272	13	H	2	312.1784	156.5931
	14	R	1	175.1195	88.0637

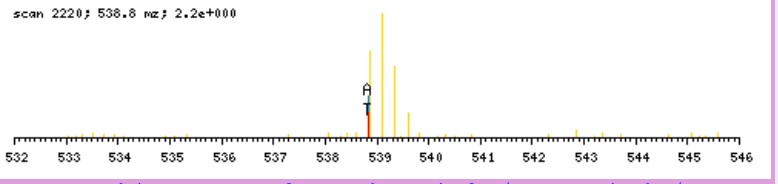
N-term:+29.04

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

AERARGRPLGAVDKYRLR, MH+ 2152.3216, m/z 538.8358
H OS G19 P120811 220811-s1.02222.02222.4.dta



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



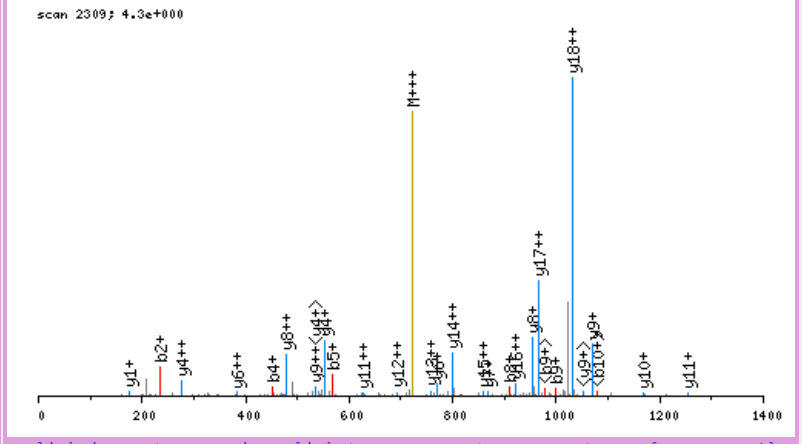
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
235.1506	2	E	17	2047.2214	1024.1146
391.2517	3	R	16	1918.1788	959.5933
462.2888	4	A	15	1762.0777	881.5427
618.3899	5	R	14	1691.0406	846.0242
675.4114	6	G	13	1534.9394	767.9736
831.5125	7	R	12	1477.9180	739.4629
928.5653	8	P	11	1321.8169	661.4123
1041.6493	9	L	10	1224.7641	612.8860
1098.6708	10	G	9	1111.6800	**556.3439**
1169.7079	11	A	8	1054.6586	**527.8332**
1268.7763	12	V	7	983.6215	**492.3146**
1383.8033	13	D	6	884.5530	**442.7804**
1545.9614	14	K	5	769.5261	385.2670
1709.0247	15	Y	4	607.3680	**304.1879**
1865.1258	16	R	3	444.3047	222.6563
1978.2099	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

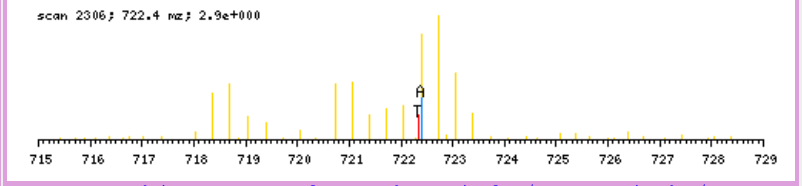
N-term:+35.07 K(14):+162.16

AESEDSQESVDSVTDSQKR, MH+ 2165.0482, m/z 722.3543
H OS G15 P120811 220811-s1.02309.02309.3.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±]



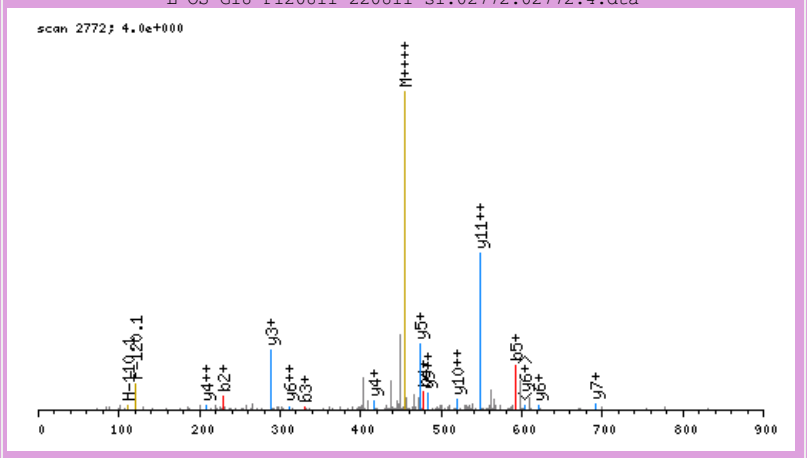
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
235.1506	2	E	18	2059.9480	**1030.4779**
322.1826	3	S	17	1930.9054	**965.9566**
451.2252	4	E	16	1843.8734	**922.4406**
566.2522	5	D	15	1714.8308	**857.9193**
653.2842	6	S	14	1599.8039	**800.4058**
781.3428	7	Q	13	1512.7718	**756.8898**
910.3854	8	E	12	1384.7132	**692.8605**
997.4174	9	S	11	**1255.6707**	**628.3392**
1096.4858	10	V	10	**1168.6386**	584.8232
1211.5128	11	D	9	**1069.5702**	**535.2890**
1298.5448	12	S	8	**954.5433**	**477.7755**
1397.6132	13	V	7	**867.5112**	434.2595
1498.6609	14	T	6	**768.4428**	**384.7253**
1613.6878	15	D	5	667.3951	334.2015
1700.7198	16	S	4	**552.3682**	**276.6880**
1828.7784	17	Q	3	465.3362	233.1720
1990.9365	18	K	2	337.2776	169.1427
	19	R	1	**175.1195**	88.0637

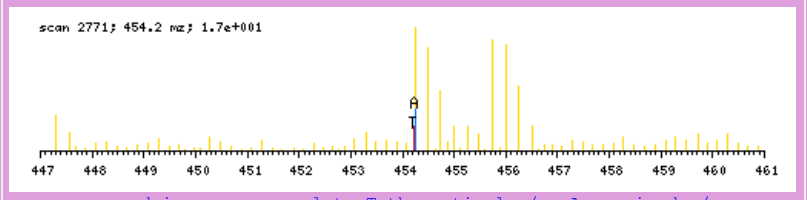
N-term:+35.07 K(18):+162.16

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

AETFDQGAHHAFGQGGR, MH+ 1813.8370, m/z 454.2147
L OS G18 P120811 220811-s1.02772.02772.4.dta



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



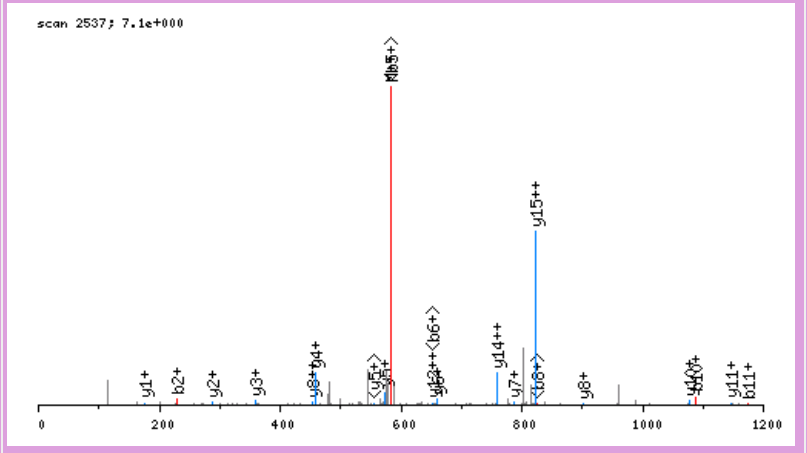
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
229.1188	2	E	16	1714.7686	857.8882
330.1665	3	T	15	1585.7260	793.3669
477.2349	4	F	14	1484.6783	742.8431
592.2618	5	D	13	1337.6099	669.3089
720.3204	6	Q	12	1222.5830	611.7954
777.3419	7	G	11	1094.5244	**547.7661**
848.3790	8	A	10	1037.5029	**519.2554**
985.4379	9	H	9	966.4658	**483.7368**
1122.4968	10	H	8	829.4069	415.2074
1193.5339	11	A	7	**692.3480**	346.6779
1340.6023	12	F	6	**621.3109**	**311.1594**
1397.6238	13	G	5	**474.2425**	237.6251
1525.6824	14	Q	4	**417.2210**	**209.1144**
1582.7039	15	G	3	**289.1624**	145.0851
1639.7253	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

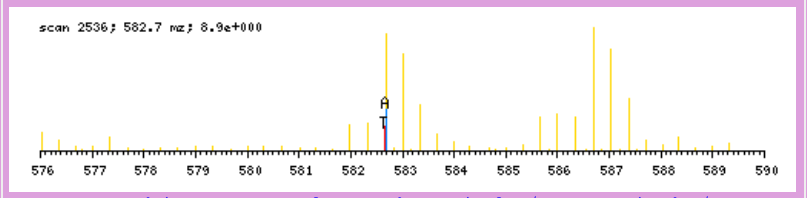
N-term:+29.04

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

AETIKASSNESLVANR, MH+ 1745.9398, m/z 582.6514
L OS G15 P120811 220811-s1.02537.02537.3.dta



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



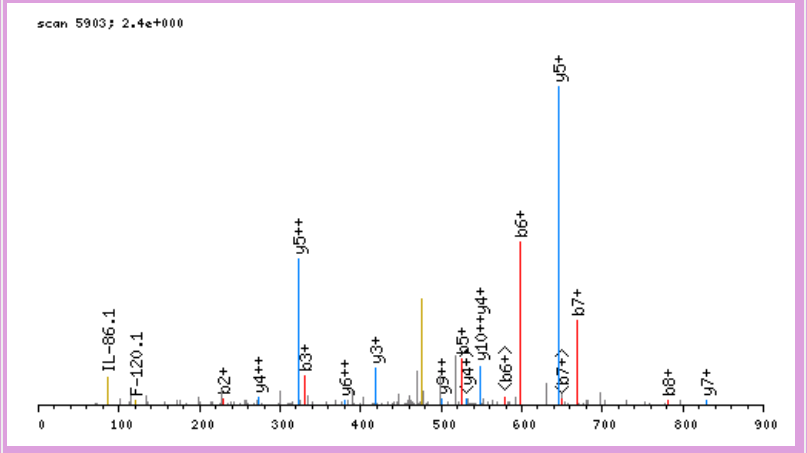
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
229.1188	2	E	15	1646.8714	**823.9396**
330.1665	3	T	14	1517.8288	**759.4183**
443.2505	4	I	13	1416.7811	708.8945
599.3768	5	K	12	1303.6970	**652.3524**
670.4140	6	A	11	**1147.5707**	574.2893
757.4460	7	S	10	**1076.5336**	538.7707
844.4780	8	S	9	989.5016	495.2547
958.5209	9	N	8	**902.4696**	**451.7387**
1087.5635	10	E	7	**788.4266**	394.7172
1174.5956	11	S	6	**659.3840**	330.1959
1287.6796	12	L	5	**572.3520**	286.6799
1386.7480	13	V	4	**459.2680**	230.1379
1457.7852	14	A	3	**360.1995**	180.6037
1571.8281	15	N	2	**289.1624**	145.0851
	16	R	1	**175.1195**	88.0637

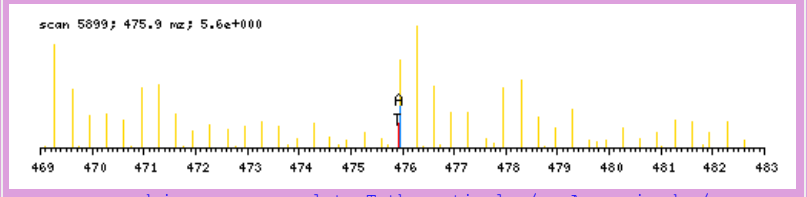
N-term:+29.04 K(5):+156.13

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

AETPVAALPEFPR, MH+ 1425.7742, m/z 475.9296
L OS G13 P120811 220811-s1.05903.05903.3.dta



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



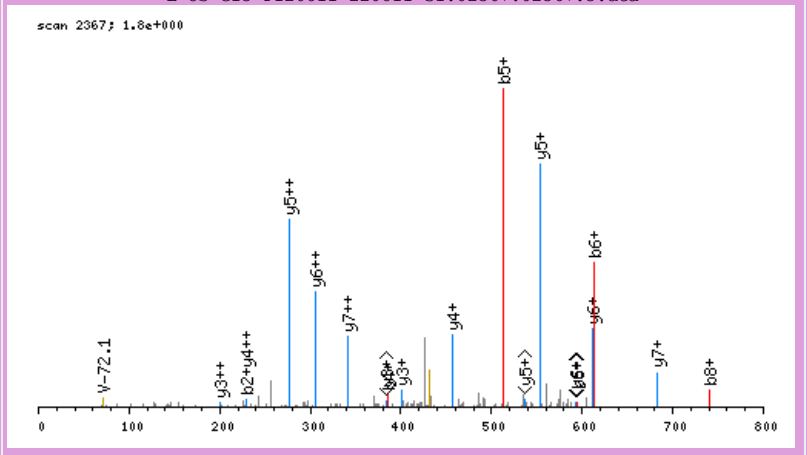
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

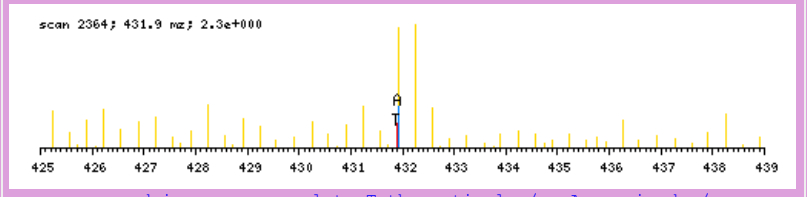
N-term:+29.04

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

AEVGQVAGPGPQR, MH+ 1293.6915, m/z 431.9020
L OS G13 P120811 220811-s1.02367.02367.3.dta



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



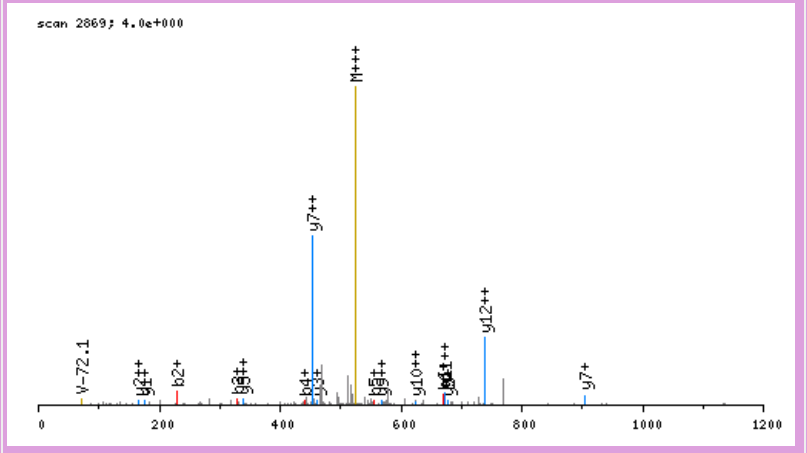
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
229.1188	2	E	12	1194.6231	597.8155
328.1872	3	V	11	1065.5805	533.2942
385.2087	4	G	10	966.5121	483.7600
513.2673	5	Q	9	909.4906	455.2492
612.3357	6	V	8	781.4321	391.2199
683.3728	7	A	7	**682.3636**	**341.6857**
740.3943	8	G	6	**611.3265**	**306.1672**
837.4470	9	P	5	**554.3051**	**277.6564**
894.4685	10	G	4	**457.2523**	**229.1301**
991.5212	11	P	3	**400.2308**	**200.6193**
1119.5798	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

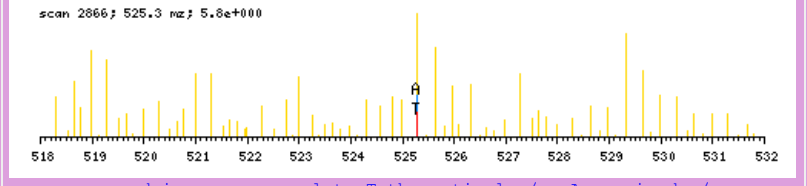
N-term:+29.04

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

AEVLNDPESMEKR, MH+ 1573.7896, m/z 525.2680
L OS G15 P120811 220811-s1.02869.02869.3.dta



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



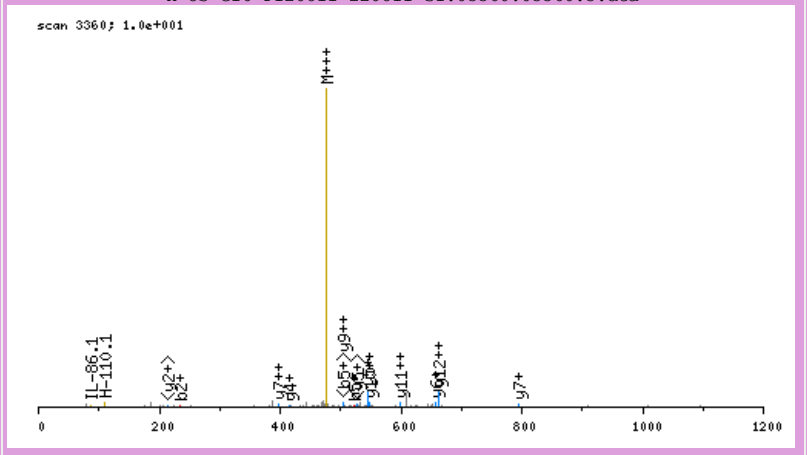
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
229.1188	2	E	12	1474.7212	737.8645
328.1872	3	V	11	1345.6786	673.3432
441.2713	4	L	10	1246.6102	623.8090
555.3142	5	N	9	1133.5261	567.2670
670.3412	6	D	8	1019.4832	510.2455
767.3939	7	P	7	904.4563	452.7320
896.4365	8	E	6	807.4035	404.2057
983.4685	9	S	5	678.3609	339.6844
1114.5090	10	M	4	591.3289	296.1684
1243.5516	11	E	3	460.2884	230.6481
1399.6779	12	K	2	331.2458	166.1268
	13	R	1	175.1195	88.0637

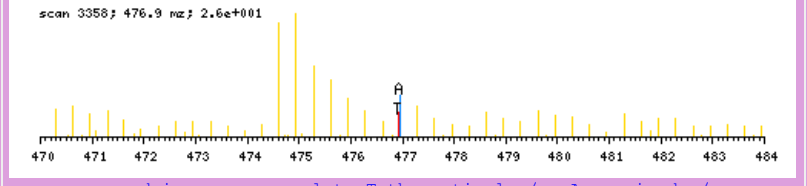
N-term:+29.04 K(12):+156.13

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

AEVSTIHLQSPGR, MH+ 1428.8023, m/z 476.9389
H OS G16 P120811 220811-s1.03360.03360.3.dta



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



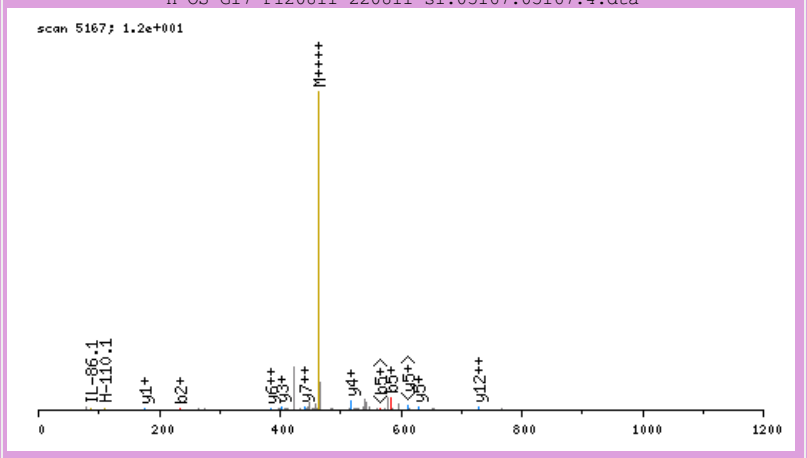
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

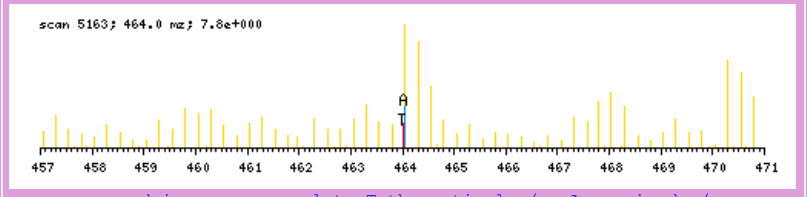
N-term:+35.07

AEYGEIKNIHLNLDR, MH+ 1853.0557, m/z 464.0194
H OS G17 P120811 220811-s1.05167.05167.4.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±]



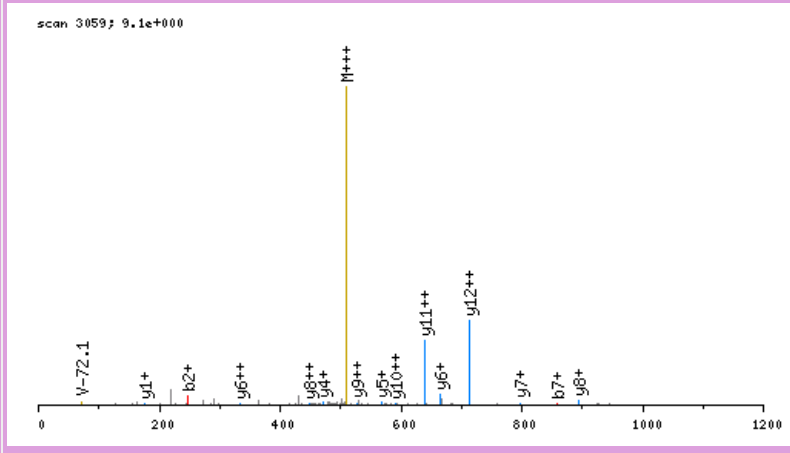
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
235.1506	2	E	14	1747.9555	874.4817
398.2139	3	Y	13	1618.9130	809.9604
455.2354	4	G	12	1455.8496	**728.4287**
584.2780	5	E	11	1398.8282	699.9180
697.3621	6	I	10	1269.7856	635.3967
859.5202	7	K	9	1156.7015	578.8547
973.5631	8	N	8	994.5434	497.7756
1086.6471	9	I	7	880.5005	**440.7542**
1223.7061	10	H	6	767.4164	**384.2121**
1336.7901	11	L	5	**630.3575**	315.6827
1450.8331	12	N	4	**517.2734**	259.1406
1563.9171	13	L	3	**403.2305**	202.1192
1678.9441	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

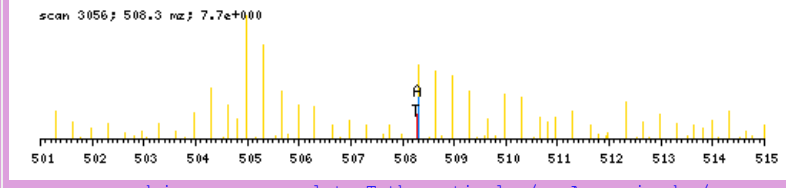
N-term:+35.07 K(7):+162.16

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

AFPQKVMPPPQAR, MH+ 1522.8568, m/z 508.2905
L OS G15 P120811 220811-s1.03059.03059.3.dta



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



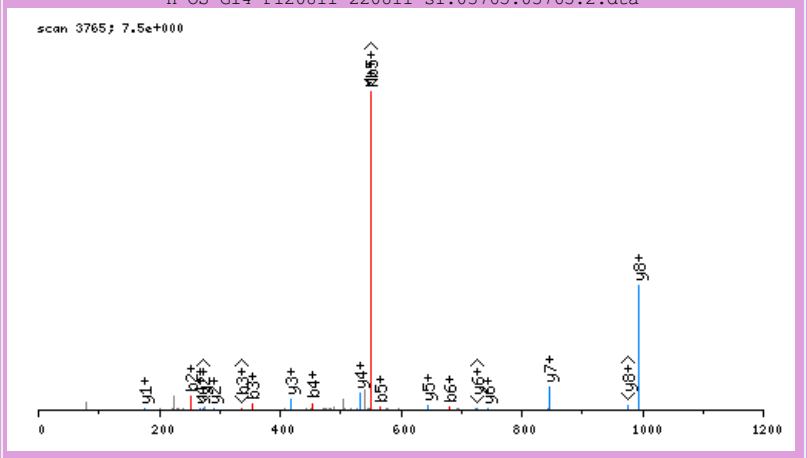
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

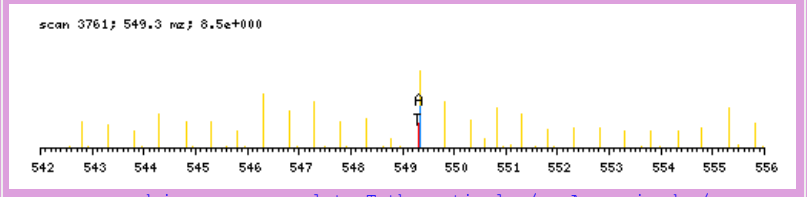
N-term:+29.04 K(5):+156.13

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+ 1097.6167, m/z 549.3120
H OS G14 P120811 220811-s1.03765.03765.2.dta



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



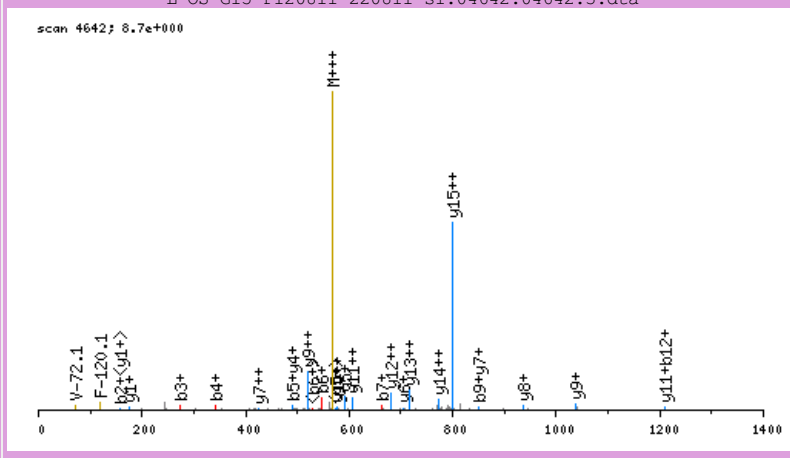
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	9		
253.1764	2	F	8	992.5165	496.7622
354.2241	3	T	7	845.4481	423.2280
453.2925	4	V	6	744.4004	372.7041
566.3766	5	I	5	645.3320	323.1699
681.4035	6	D	4	532.2479	266.6279
809.4621	7	Q	3	417.2210	209.1144
923.5050	8	N	2	289.1624	145.0851
	9	R	1	175.1195	88.0637

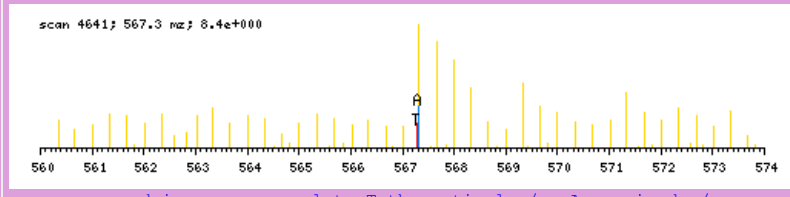
N-term:+35.07

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

AGDAFGDTSFLTSKAR, MH+ 1699.8655, m/z 567.2934
L OS G15 P120811 220811-s1.04642.04642.3.dta



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



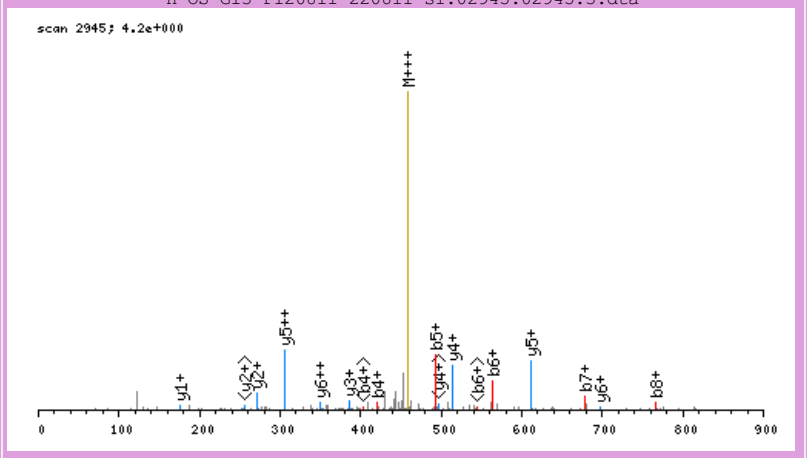
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

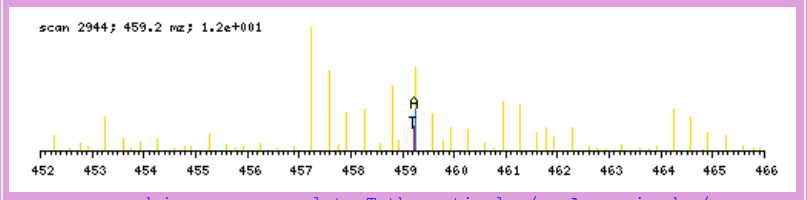
N-term:+29.04 K(14):+156.13

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+ 1375.6917, m/z 459.2354
H OS G13 P120811 220811-s1.02945.02945.3.dta



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



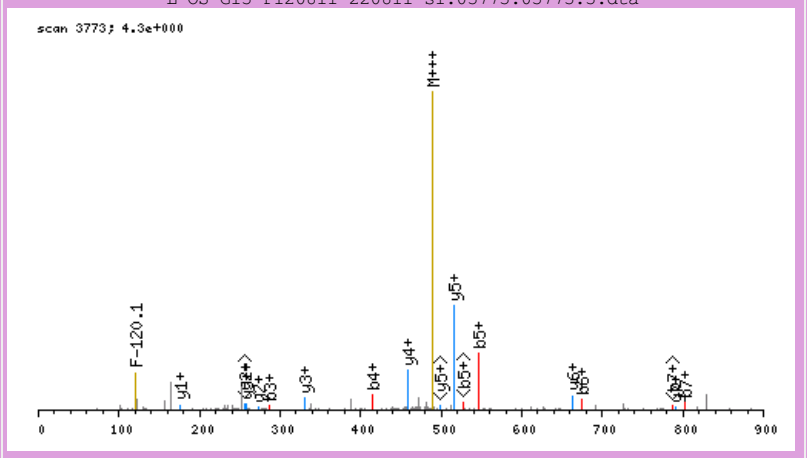
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
163.1295	2	G	12	1270.5915	635.7997
292.1721	3	E	11	1213.5701	607.2889
421.2147	4	E	10	1084.5275	542.7677
492.2518	5	A	9	955.4849	478.2464
563.2889	6	A	8	884.4478	442.7278
678.3158	7	D	7	813.4107	407.2092
765.3479	8	S	6	**698.3837**	**349.6958**
862.4006	9	P	5	**611.3517**	**306.1798**
991.4432	10	E	4	**514.2989**	257.6534
1104.5273	11	L	3	**385.2563**	193.1321
1201.5800	12	P	2	**272.1723**	136.5900
	13	R	1	**175.1195**	88.0637

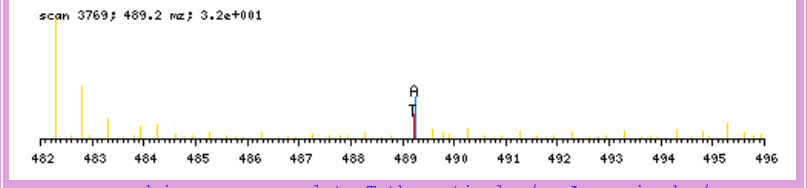
N-term:+35.07

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

AGEEMEQFGQGVR, MH+ 1465.6745, m/z 489.2297
L_OS_G13_P120811_220811-s1.03773.03773.3.dta



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



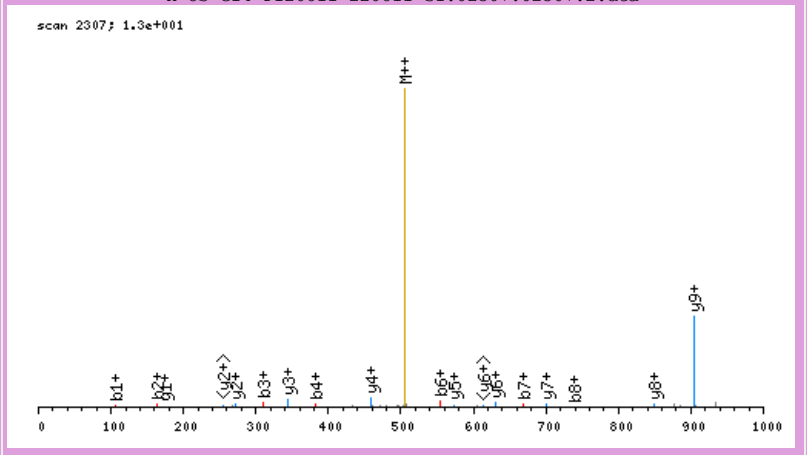
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
157.0977	2	G	12	1366.6061	683.8070
286.1403	3	E	11	1309.5847	655.2963
415.1829	4	E	10	1180.5421	590.7750
546.2233	5	M	9	1051.4995	526.2537
675.2659	6	E	8	920.4590	460.7334
803.3245	7	Q	7	**791.4164**	396.2121
950.3929	8	F	6	**663.3578**	332.1828
1007.4144	9	G	5	**516.2894**	**258.6486**
1135.4730	10	Q	4	**459.2680**	230.1379
1192.4944	11	G	3	**331.2094**	166.1086
1291.5629	12	V	2	**274.1879**	137.5979
	13	R	1	**175.1195**	88.0637

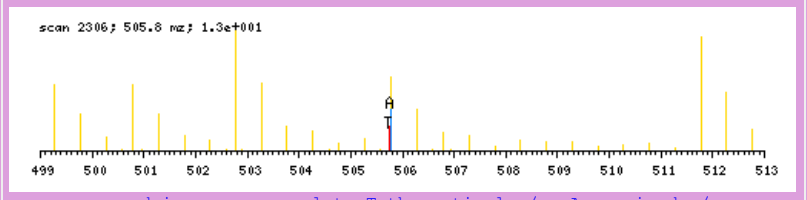
N-term:+29.04

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

AGFAGDDAPR, MH+ 1010.5119, m/z 505.7596
H OS G14 P120811 220811-s1.02307.02307.2.dta



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



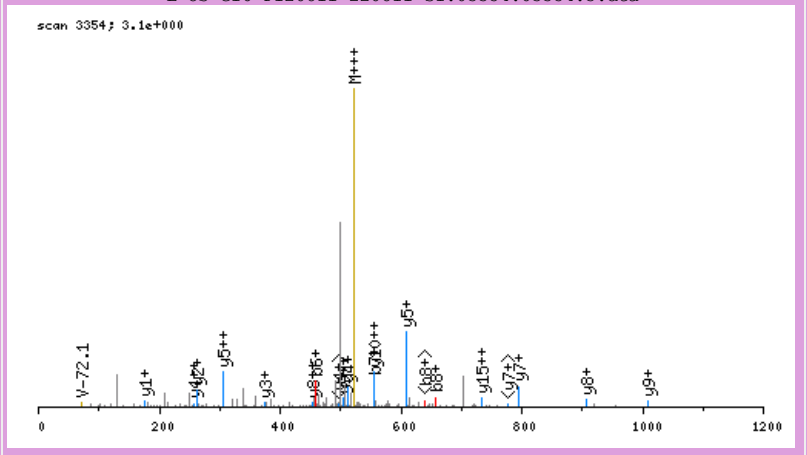
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

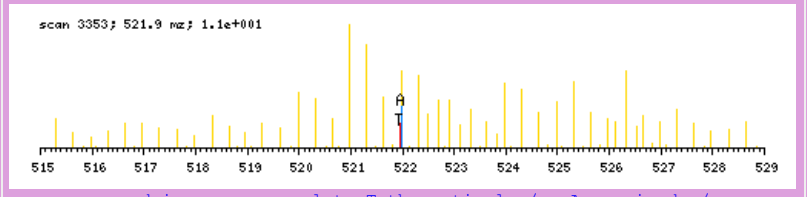
N-term:+35.07

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

AGGEGGVTLGQPHLSR, MH+ 1563.8243, m/z 521.9463
L OS G16 P120811 220811-s1.03354.03354.3.dta



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



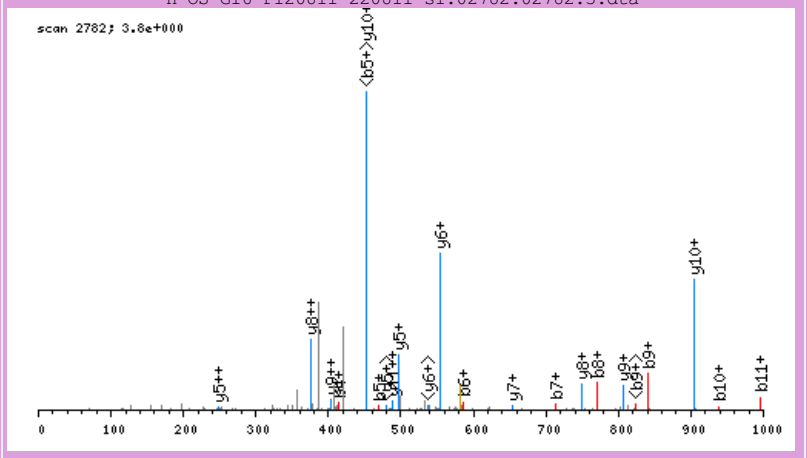
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
157.0977	2	G	15	1464.7559	**732.8819**
214.1191	3	G	14	1407.7345	704.3711
343.1617	4	E	13	1350.7130	675.8604
400.1832	5	G	12	1221.6704	611.3391
457.2047	6	G	11	1164.6489	582.8284
556.2731	7	V	10	1107.6275	**554.3176**
657.3208	8	T	9	**1008.5591**	**504.7834**
770.4048	9	L	8	**907.5114**	**454.2596**
827.4263	10	G	7	**794.4273**	397.7176
955.4849	11	Q	6	737.4058	369.2068
1052.5376	12	P	5	**609.3473**	**305.1775**
1189.5965	13	H	4	**512.2945**	**256.6512**
1302.6806	14	L	3	**375.2356**	188.1217
1389.7126	15	S	2	**262.1515**	131.5797
	16	R	1	**175.1195**	88.0637

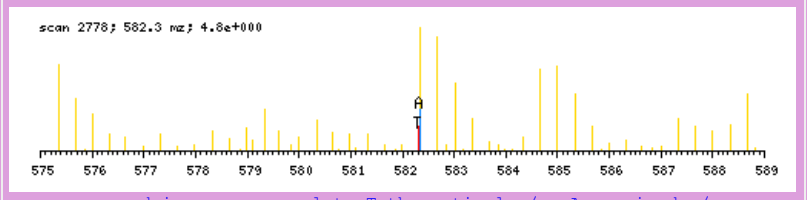
N-term:+29.04

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

AGLHGDQGAPGPVGPAGPR, MH+ 1744.9307, m/z 582.3151
H OS G16 P120811 220811-s1.02782.02782.3.dta



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



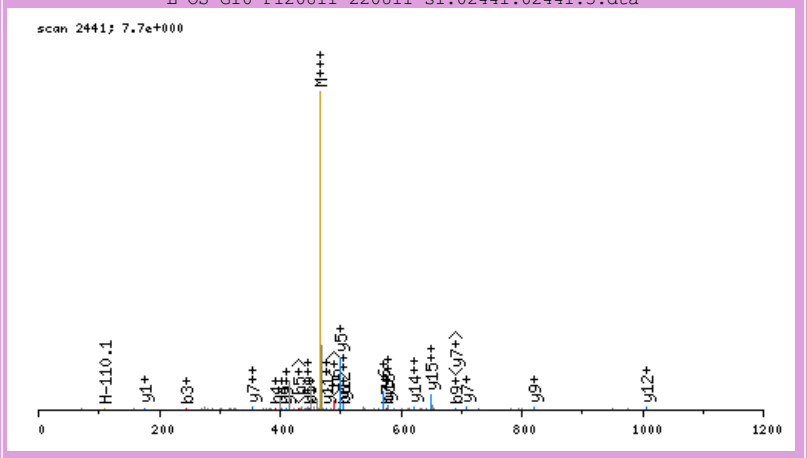
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
163.1295	2	G	18	1639.8305	820.4192
276.2135	3	L	17	1582.8090	791.9084
413.2725	4	H	16	1469.7249	735.3664
470.2939	5	G	15	1332.6660	666.8369
585.3209	6	D	14	1275.6446	638.3262
713.3794	7	Q	13	1160.6176	580.8127
770.4009	8	G	12	1032.5591	516.7834
841.4380	9	A	11	975.5376	**488.2727**
938.4908	10	P	10	**904.5005**	**452.7542**
995.5122	11	G	9	**807.4477**	**404.2278**
1092.5650	12	P	8	**750.4262**	**375.7170**
1191.6334	13	V	7	**653.3735**	327.1907
1248.6549	14	G	6	**554.3051**	277.6564
1345.7076	15	P	5	**497.2836**	**249.1457**
1416.7448	16	A	4	400.2308	200.6193
1473.7662	17	G	3	329.1937	165.1008
1570.8190	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

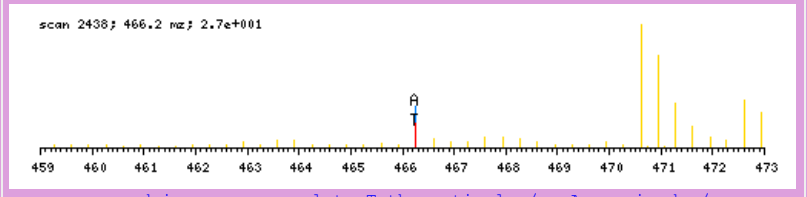
N-term:+35.07

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

AGSFGGAGGHAPGVAR, MH+ 1396.7085, m/z 466.2410
L OS G16 P120811 220811-s1.02441.02441.3.dta



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



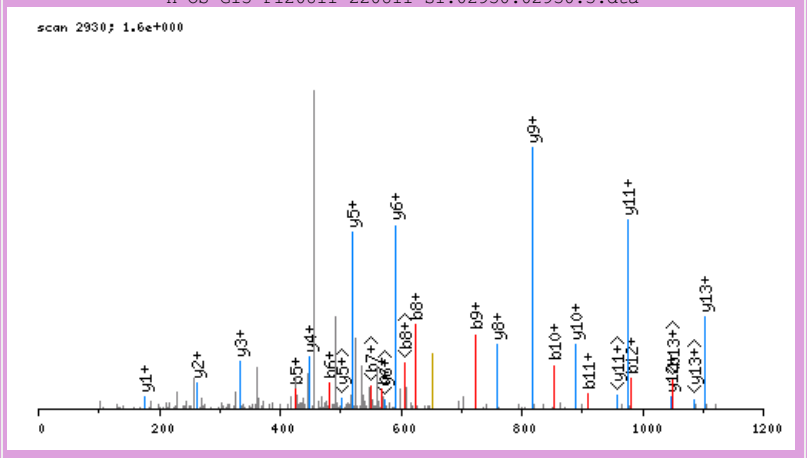
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
157.0977	2	G	15	1297.6402	**649.3240**
244.1297	3	S	14	1240.6187	**620.8133**
391.1981	4	F	13	1153.5867	**577.2972**
448.2196	5	G	12	**1006.5183**	**503.7630**
505.2410	6	G	11	949.4968	**475.2523**
576.2782	7	A	10	892.4753	**446.7416**
633.2996	8	G	9	**821.4382**	**411.2230**
690.3211	9	G	8	764.4167	382.7123
827.3800	10	H	7	**707.3953**	**354.2016**
898.4171	11	A	6	**570.3364**	285.6721
995.4699	12	P	5	**499.2993**	250.1535
1052.4913	13	G	4	**402.2465**	201.6272
1151.5598	14	V	3	345.2250	173.1164
1222.5969	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

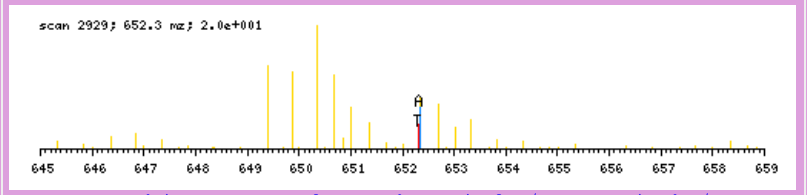
N-term:+29.04

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

AGSSSGSGVQGASAGGLAADASR, MH+ 1954.9642, m/z 652.3263
H OS G13 P120811 220811-s1.02930.02930.3.dta



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



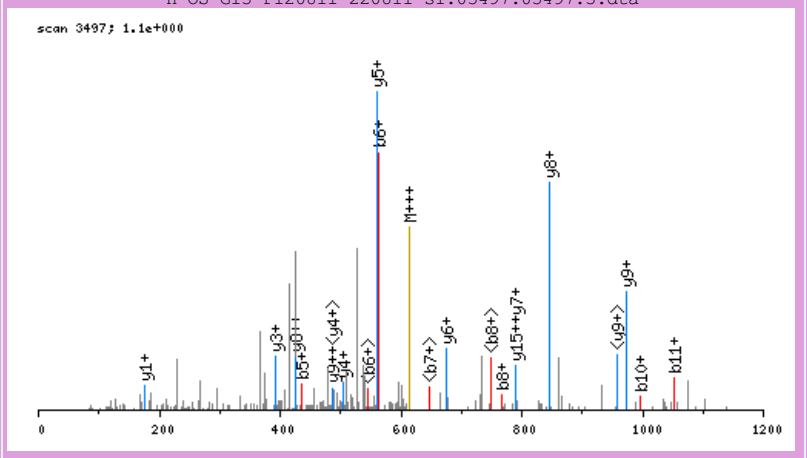
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	23		
163.1295	2	G	22	1849.8640	925.4359
250.1615	3	S	21	1792.8426	896.9252
337.1935	4	S	20	1705.8105	853.4092
424.2256	5	S	19	1618.7785	809.8932
481.2470	6	G	18	1531.7465	766.3771
568.2791	7	S	17	1474.7250	737.8664
625.3005	8	G	16	1387.6930	694.3504
724.3689	9	V	15	1330.6715	665.8397
852.4275	10	Q	14	1231.6031	616.3055
909.4490	11	G	13	1103.5445	552.2762
980.4861	12	A	12	1046.5231	523.7654
1067.5181	13	S	11	975.4859	488.2469
1138.5552	14	A	10	888.4539	444.7309
1195.5767	15	G	9	817.4168	409.2123
1252.5982	16	G	8	760.3953	380.7016
1365.6822	17	L	7	703.3739	352.1909
1436.7193	18	A	6	590.2898	295.6488
1507.7564	19	A	5	519.2527	260.1303
1622.7834	20	D	4	448.2156	224.6117
1693.8205	21	A	3	333.1886	167.0982
1780.8525	22	S	2	262.1515	131.5797
	23	R	1	175.1195	88.0637

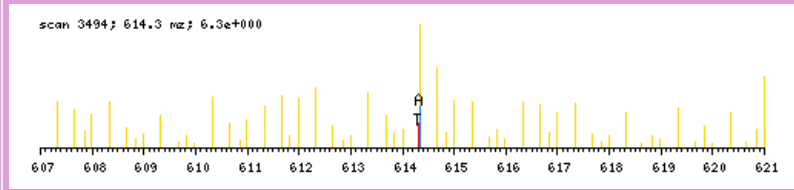
N-term:+35.07

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

AGTNGETTTQGLDGLSER, MH+ 1840.9100, m/z 614.3082
H OS G13 P120811 220811-s1.03497.03497.3.dta



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



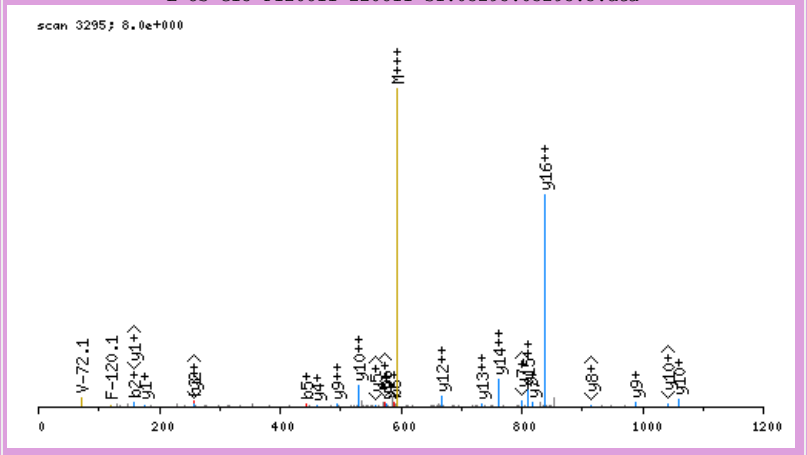
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

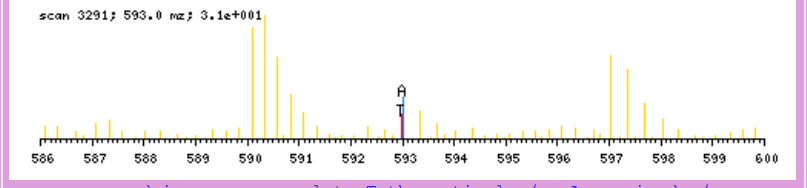
N-term:+35.07

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+ 1776.9244, m/z 592.9797
L OS G15 P120811 220811-s1.03295.03295.3.dta



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



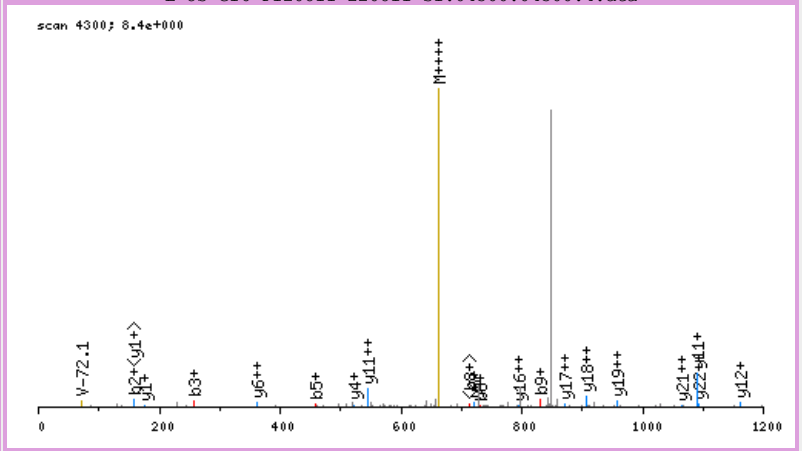
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
157.0977	2	G	16	1677.8561	839.4319
256.1661	3	V	15	1620.8346	810.9212
313.1876	4	G	14	1521.7662	761.3870
442.2301	5	E	13	1464.7447	732.8763
589.2986	6	F	12	1335.7021	668.3550
718.3412	7	E	11	1188.6337	594.8208
789.3783	8	A	10	1059.5911	530.2995
846.3997	9	G	9	988.5540	494.7809
959.4838	10	I	8	931.5325	466.2702
1046.5158	11	S	7	818.4485	409.7282
1202.6421	12	K	6	731.4164	366.2121
1316.6851	13	N	5	575.2901	288.1490
1373.7065	14	G	4	461.2472	231.1275
1501.7651	15	Q	3	404.2258	202.6168
1602.8128	16	T	2	276.1672	138.5875
	17	R	1	175.1195	88.0637

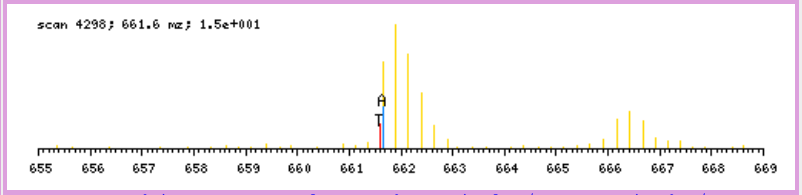
N-term:+29.04 K(12):+156.13

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

AGVSDGSEVAKAQKAAPGGASPTIFSR, MH+ 2643.4107, m/z 661.6081
L OS G16 P120811 220811-s1.04300.04300.4.dta



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



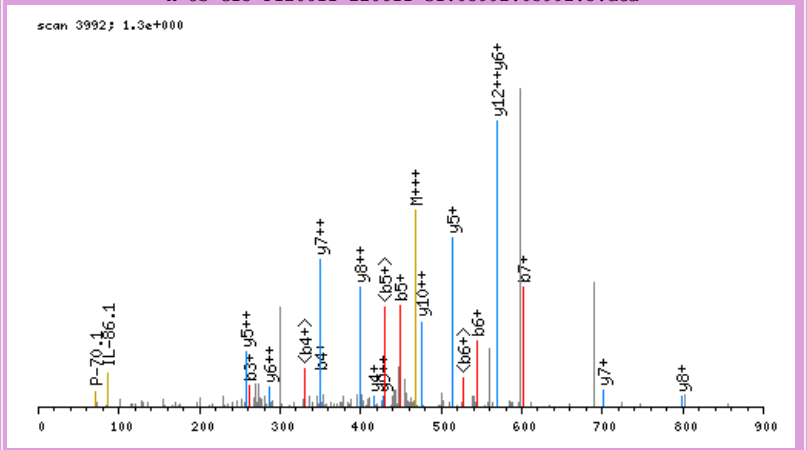
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	27		
157.0977	2	G	26	2544.3423	1272.6750
256.1661	3	V	25	2487.3208	1244.1643
343.1981	4	S	24	2388.2524	1194.6301
458.2251	5	D	23	2301.2204	1151.1141
515.2465	6	G	22	2186.1934	**1093.6006**
602.2786	7	S	21	2129.1720	**1065.0899**
731.3211	8	E	20	2042.1399	1021.5739
830.3896	9	V	19	1913.0973	**957.0526**
901.4267	10	A	18	1814.0289	**907.5184**
1057.5530	11	K	17	1742.9918	**871.9998**
1128.5901	12	A	16	1586.8655	**793.9367**
1256.6487	13	Q	15	1515.8284	758.4181
1412.7750	14	K	14	1387.7698	694.3888
1483.8121	15	A	13	1231.6435	616.3257
1554.8492	16	A	12	**1160.6064**	580.8071
1651.9020	17	P	11	**1089.5693**	**545.2886**
1708.9234	18	G	10	992.5165	496.7622
1765.9449	19	G	9	935.4951	468.2514
1836.9820	20	A	8	878.4736	439.7407
1924.0140	21	S	7	807.4365	404.2222
2021.0668	22	P	6	**720.4044**	**360.7061**
2122.1145	23	T	5	623.3517	312.1798
2235.1985	24	I	4	**522.3040**	261.6559
2382.2669	25	F	3	409.2199	205.1139
2469.2990	26	S	2	262.1515	131.5797
	27	R	1	**175.1195**	88.0637

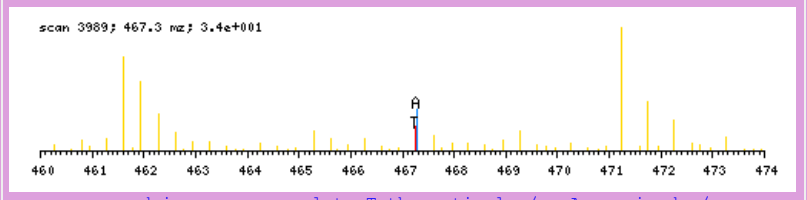
N-term:+29.04 K(11):+156.13
K(14):+156.13

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

AGVSVPGPMGPSGPR, MH+ 1399.7580, m/z 467.2575
H OS G13 P120811 220811-s1.03992.03992.3.dta



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

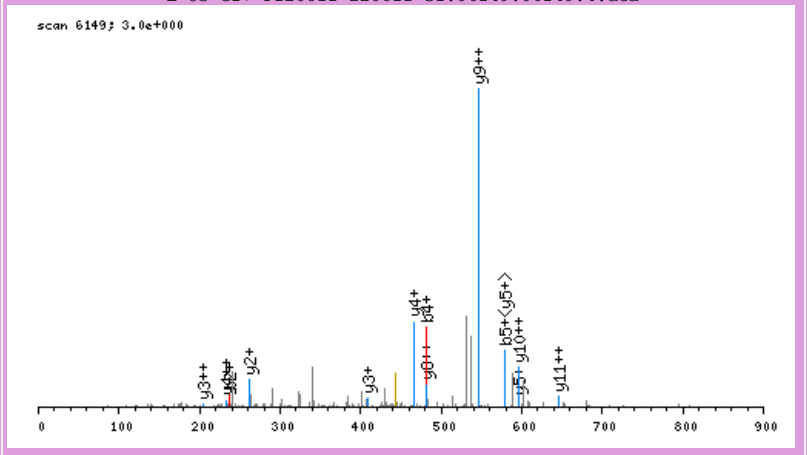


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

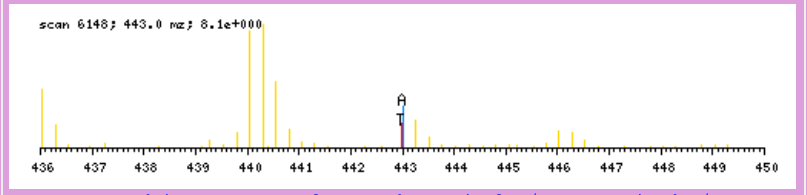
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	15		
163.1295	2	G	14	1294.6578	647.8328
262.1979	3	V	13	1237.6363	619.3221
349.2299	4	S	12	1138.5679	**569.7879**
448.2983	5	V	11	1051.5359	526.2718
545.3511	6	P	10	952.4675	**476.7376**
602.3726	7	G	9	855.4147	**428.2113**
699.4253	8	P	8	**798.3932**	**399.7005**
830.4658	9	M	7	**701.3405**	**351.1741**
887.4873	10	G	6	**570.3000**	**285.6539**
984.5400	11	P	5	**513.2785**	**257.1432**
1071.5721	12	S	4	**416.2258**	208.6168
1128.5935	13	G	3	329.1937	165.1008
1225.6463	14	P	2	272.1723	136.5900
	15	R	1	175.1195	88.0637

N-term:+35.07

AHEDPVEKVIEGFSR, MH+ 1768.9234, m/z 442.9863
L OS G17 P120811 220811-s1.06149.06149.4.dta



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



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

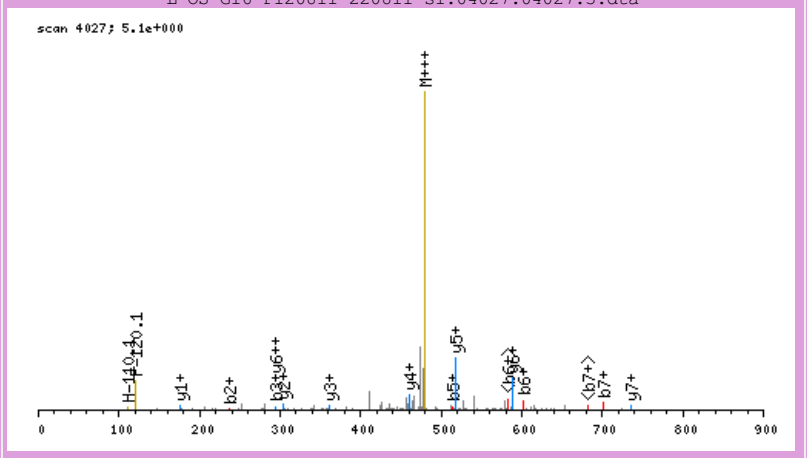
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
237.1351	2	H	14	1669.8550	835.4314
366.1777	3	E	13	1532.7961	766.9020
481.2047	4	D	12	1403.7535	702.3807
578.2574	5	P	11	1288.7265	**644.8672**
677.3258	6	V	10	1191.6738	**596.3408**
806.3684	7	E	9	1092.6054	**546.8066**
962.4947	8	K	8	963.5628	**482.2853**
1061.5631	9	V	7	807.4365	404.2222
1174.6472	10	I	6	708.3681	354.6879
1303.6898	11	E	5	**595.2840**	298.1459
1360.7113	12	G	4	**466.2414**	**233.6246**
1507.7797	13	F	3	**409.2199**	**205.1139**
1594.8117	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

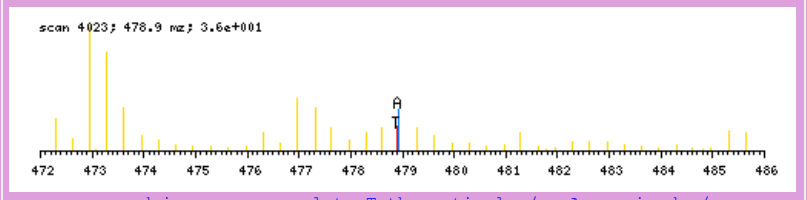
N-term:+29.04 K(8):+156.13

AHGGYSVFAGVGER, MH+ 1434.7130, m/z 478.9092
L OS G16 P120811 220811-s1.04027.04027.3.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±]



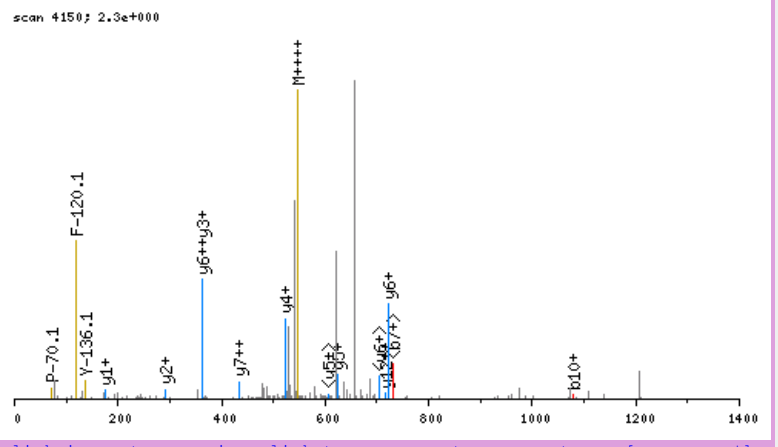
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
237.1351	2	H	13	1335.6446	668.3262
294.1566	3	G	12	1198.5857	599.7967
351.1781	4	G	11	1141.5642	571.2860
514.2414	5	Y	10	1084.5427	542.7753
601.2734	6	S	9	921.4794	461.2436
700.3418	7	V	8	834.4474	417.7276
847.4102	8	F	7	**735.3790**	368.1934
918.4474	9	A	6	**588.3105**	**294.6592**
975.4688	10	G	5	**517.2734**	259.1406
1074.5372	11	V	4	**460.2520**	230.6299
1131.5587	12	G	3	**361.1836**	181.0957
1260.6013	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

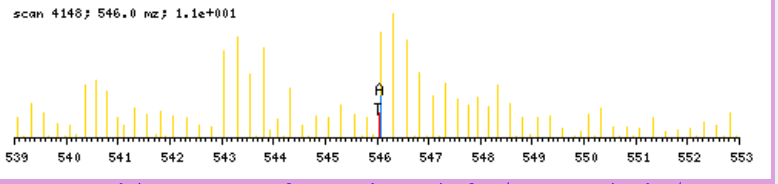
N-term:+29.04

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

AHGSVVKSEDYAFPTYADR, MH+ 2181.1253, m/z 546.0368
H OS G17 P120811 220811-s1.04150.04150.4.dta



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



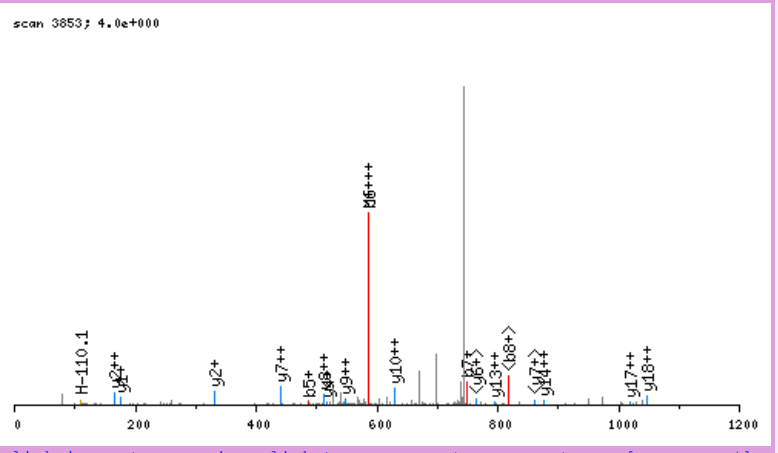
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

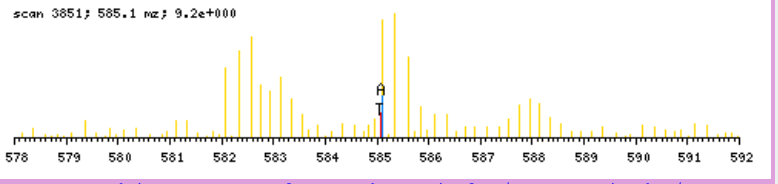
N-term:+35.07 K(7):+162.16

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

AHGSVVKSEDYAFPTYADRR, MH+ 2337.2264, m/z 585.0621
H OS G18 P120811 220811-s1.03853.03853.4.dta



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



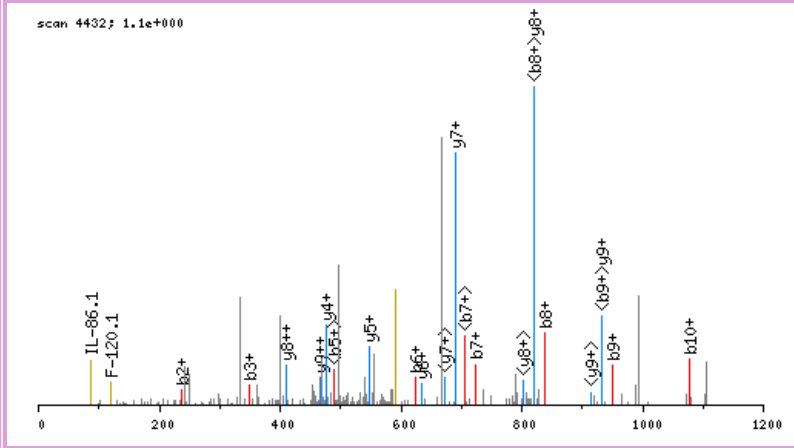
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
243.1669	2	H	19	2232.1262	1116.5670
300.1884	3	G	18	2095.0673	**1048.0376**
387.2204	4	S	17	2038.0458	**1019.5268**
486.2888	5	V	16	1951.0138	976.0108
585.3572	6	V	15	1851.9454	926.4766
747.5153	7	K	14	1752.8770	**876.9424**
834.5474	8	S	13	1590.7189	**795.8633**
963.5900	9	E	12	1503.6868	752.3473
1078.6169	10	D	11	1374.6442	687.8260
1241.6802	11	Y	10	1259.6173	**630.3126**
1312.7174	12	A	9	1096.5540	**548.7809**
1459.7858	13	F	8	1025.5169	**513.2623**
1556.8385	14	P	7	878.4484	**439.7281**
1657.8862	15	T	6	781.3957	391.2018
1820.9495	16	Y	5	680.3480	340.6779
1891.9867	17	A	4	**517.2847**	259.1462
2007.0136	18	D	3	446.2476	223.6277
2163.1147	19	R	2	**331.2206**	**166.1142**
	20	R	1	**175.1195**	88.0637

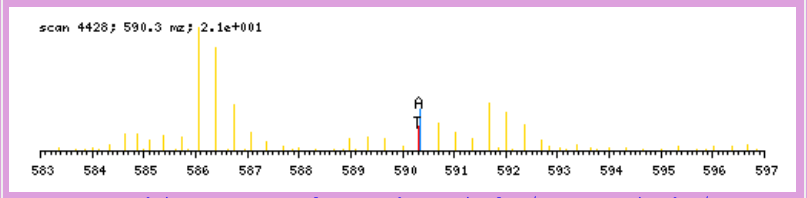
N-term:+35.07 K(7):+162.16

AHLTGDTIIQGSATSLR, MH+ 1768.9557, m/z 590.3234
L OS G16 P120811 220811-s1.04432.04432.3.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±]



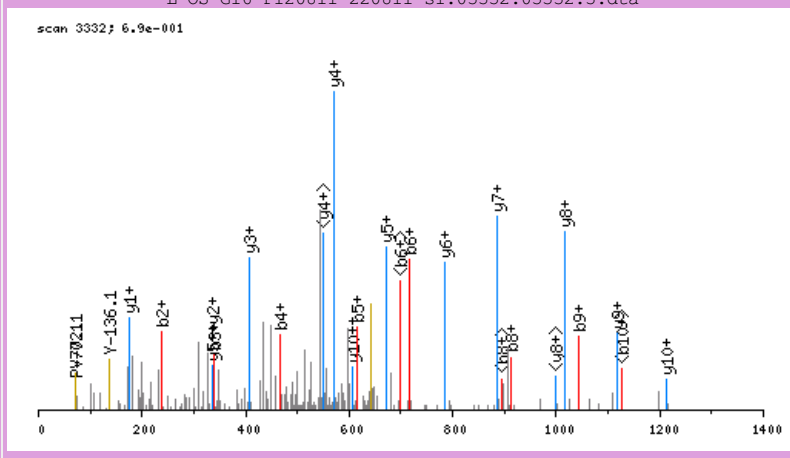
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
237.1351	2	H	16	1669.8873	835.4476
350.2192	3	L	15	1532.8284	766.9181
451.2669	4	T	14	1419.7443	710.3761
508.2883	5	G	13	1318.6967	659.8522
623.3153	6	D	12	1261.6752	631.3415
724.3630	7	T	11	1146.6483	573.8280
837.4470	8	I	10	1045.6006	523.3042
950.5311	9	I	9	932.5165	466.7622
1078.5897	10	Q	8	819.4325	410.2201
1135.6111	11	G	7	691.3739	346.1909
1222.6432	12	S	6	634.3524	317.6801
1293.6803	13	A	5	547.3204	274.1641
1394.7279	14	T	4	476.2833	238.6455
1481.7600	15	S	3	375.2356	188.1217
1594.8440	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

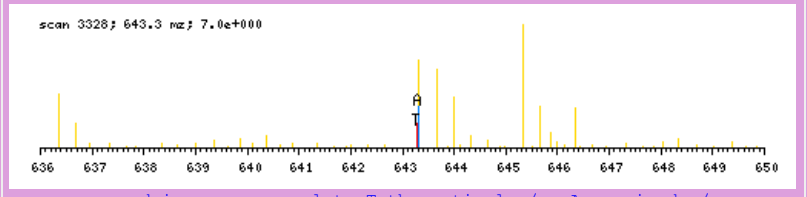
N-term:+29.04

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

AHTEFTPTETDTYACR, MH+ 1927.8495, m/z 643.2880
L OS G16 P120811 220811-s1.03332.03332.3.dta



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



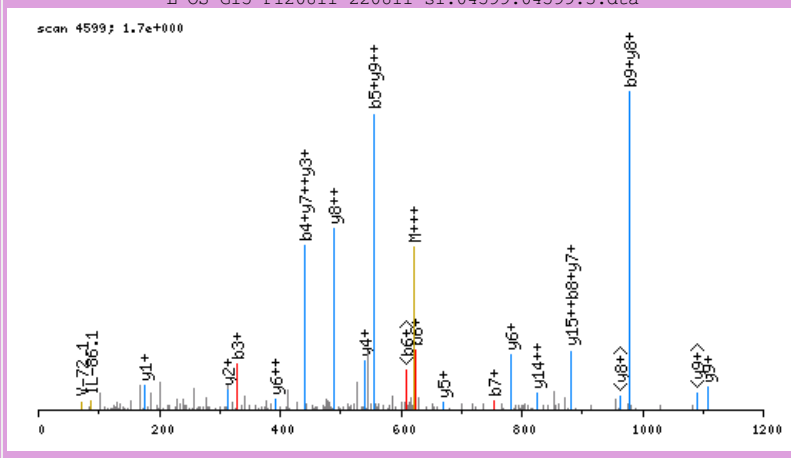
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
237.1351	2	H	15	1828.7812	914.8945
338.1828	3	T	14	1691.7222	846.3650
467.2254	4	E	13	1590.6746	795.8412
614.2938	5	F	12	1461.6320	731.3199
715.3415	6	T	11	1314.5636	657.7857
812.3943	7	P	10	**1213.5159**	**607.2619**
913.4419	8	T	9	**1116.4631**	558.7355
1042.4845	9	E	8	**1015.4154**	508.2116
1143.5322	10	T	7	**886.3728**	443.6903
1258.5591	11	D	6	**785.3252**	393.1665
1359.6068	12	T	5	**670.2982**	**335.6530**
1522.6702	13	Y	4	**569.2505**	285.1292
1593.7073	14	A	3	**406.1872**	203.5975
1753.7379	15	C	2	**335.1501**	168.0790
	16	R	1	**175.1195**	88.0637

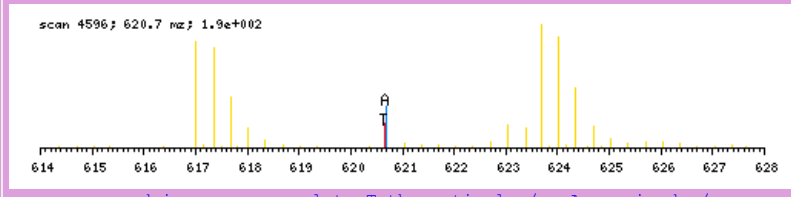
N-term:+29.04 C(15):+160.03

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

AIDLIAQQPVNEVEHR, MH+ 1859.9979, m/z 620.6708
L OS G15 P120811 220811-s1.04599.04599.3.dta



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



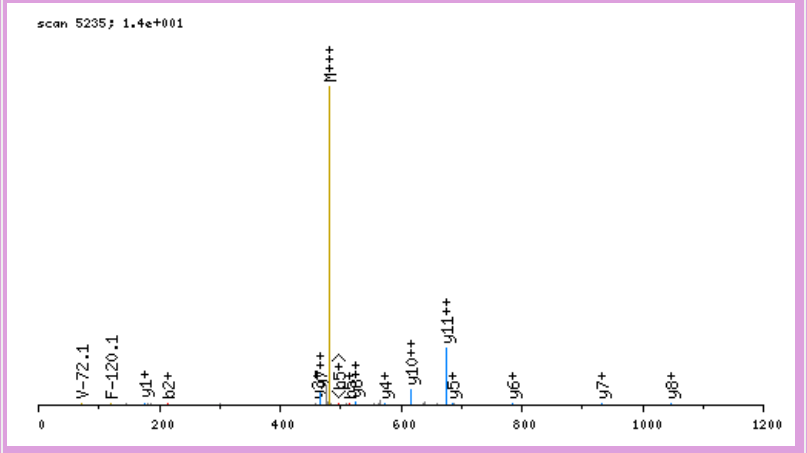
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

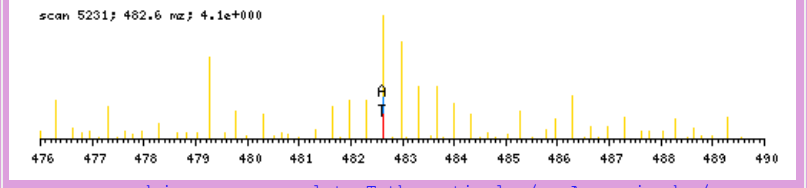
N-term:+29.04

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

AIGEDFVLLKER, MH+ 1445.8368, m/z 482.6171
L OS G15 P120811 220811-s1.05235.05235.3.dta



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



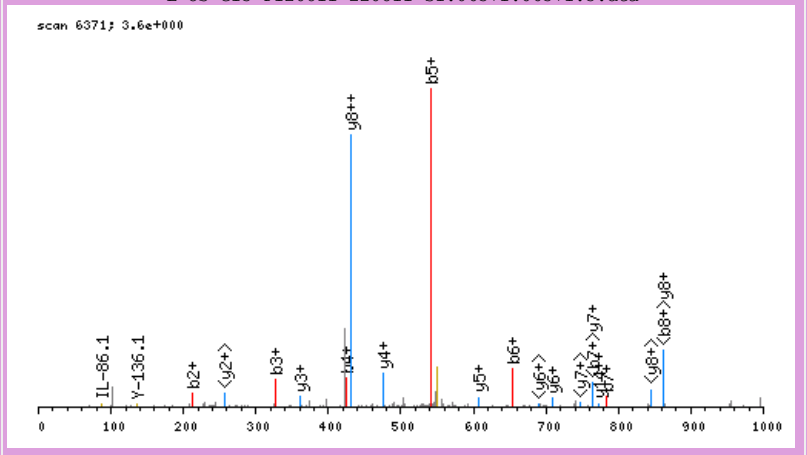
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
213.1603	2	I	11	1346.7684	673.8881
270.1817	3	G	10	1233.6843	617.3461
399.2243	4	E	9	1176.6629	588.8354
514.2513	5	D	8	1047.6203	524.3141
661.3197	6	F	7	932.5933	466.8006
760.3881	7	V	6	785.5249	393.2664
873.4722	8	L	5	686.4565	343.7322
986.5562	9	L	4	573.3725	287.1901
1142.6825	10	K	3	460.2884	230.6481
1271.7251	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

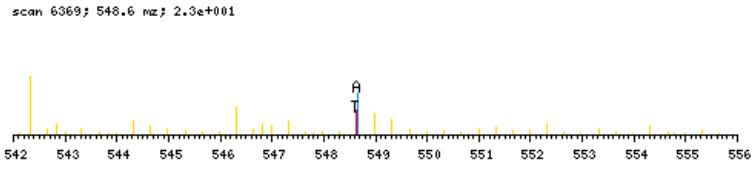
N-term:+29.04 K(10):+156.13

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

AILVDLEPGTMDSVR, MH+ 1643.8678, m/z 548.6275
L OS G13 P120811 220811-s1.06371.06371.3.dta



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



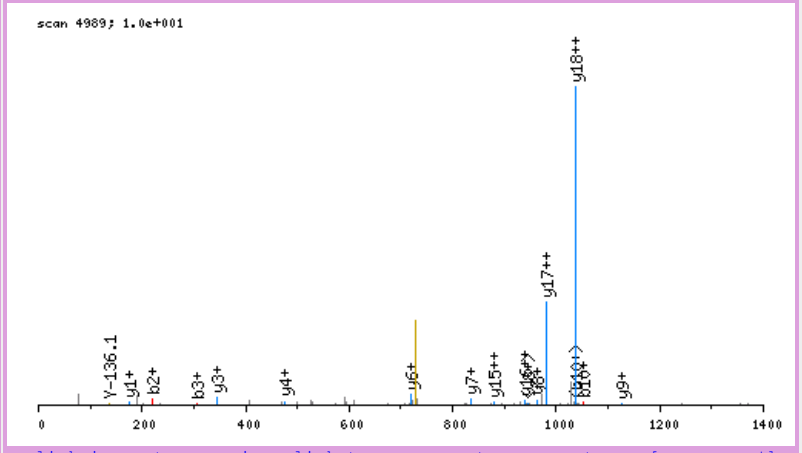
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
213.1603	2	I	14	1544.7994	**772.9036**
326.2443	3	L	13	1431.7154	716.3616
425.3128	4	V	12	1318.6313	659.8196
540.3397	5	D	11	1219.5629	610.2854
653.4238	6	L	10	1104.5359	552.7719
782.4664	7	E	9	991.4519	496.2298
879.5191	8	P	8	**862.4093**	**431.7086**
936.5406	9	G	7	**765.3565**	383.1822
1037.5883	10	T	6	**708.3350**	354.6714
1168.6287	11	M	5	**607.2874**	304.1476
1283.6557	12	D	4	**476.2469**	238.6274
1370.6877	13	S	3	**361.2199**	181.1139
1469.7561	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

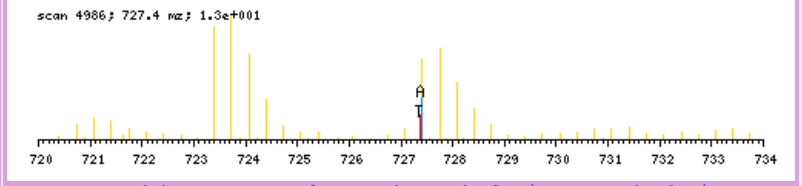
N-term:+29.04

AISNNKDQGGYEDFVEGLR, MH+ 2180.1260, m/z 727.3802
H OS G15 P120811 220811-s1.04989.04989.3.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±]



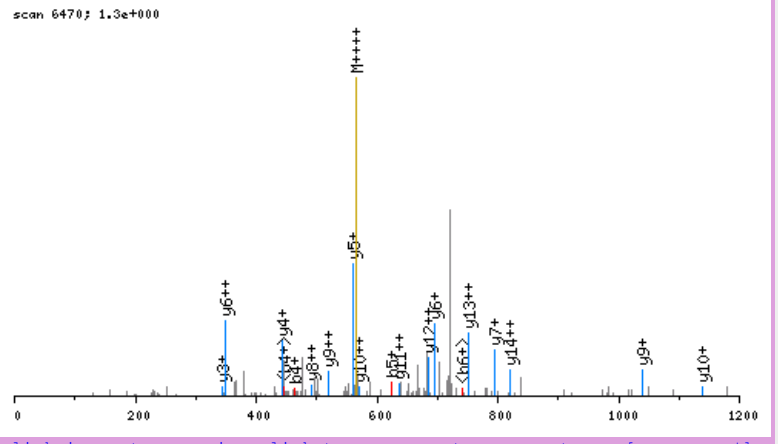
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
219.1921	2	I	18	2075.0258	**1038.0168**
306.2241	3	S	17	1961.9417	**981.4748**
420.2670	4	N	16	1874.9097	**937.9588**
534.3100	5	N	15	1760.8668	**880.9373**
696.4681	6	K	14	1646.8239	823.9158
811.4950	7	D	13	1484.6658	742.8368
939.5536	8	Q	12	1369.6388	685.3233
996.5750	9	G	11	1241.5802	621.2940
1053.5965	10	G	10	1184.5588	592.7833
1216.6598	11	Y	9	**1127.5373**	564.2726
1345.7024	12	E	8	**964.4740**	482.7409
1460.7294	13	D	7	**835.4314**	418.2196
1607.7978	14	F	6	**720.4044**	360.7061
1706.8662	15	V	5	573.3360	287.1719
1835.9088	16	E	4	**474.2676**	237.6377
1892.9303	17	G	3	**345.2250**	173.1164
2006.0143	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

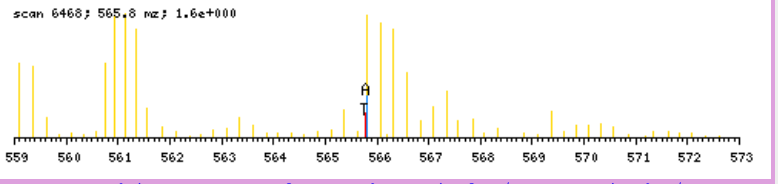
N-term:+35.07 K(6):+162.16

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

AISYCHETMTGWVHDVLGR, MH+ 2260.0642, m/z 565.7715
L OS G17 P120811 220811-s1.06470.06470.4.dta



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



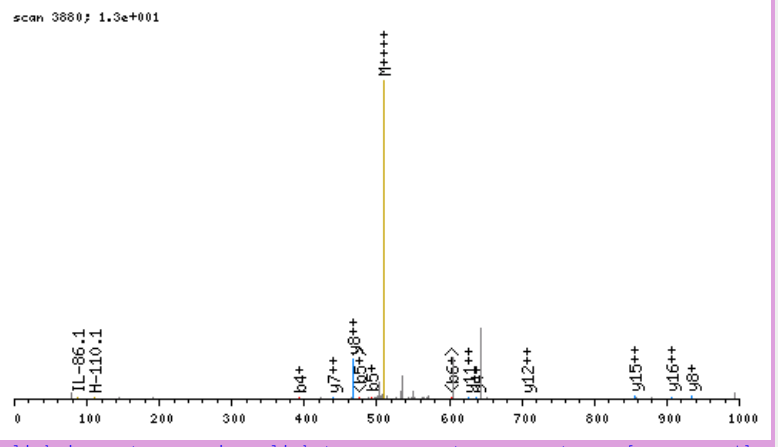
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
213.1603	2	I	18	2160.9959	1081.0018
300.1923	3	S	17	2047.9118	1024.4598
463.2556	4	Y	16	1960.8798	980.9438
623.2862	5	C	15	1797.8164	899.4121
760.3451	6	H	14	1637.7858	**819.3968**
889.3877	7	E	13	1500.7269	**750.8674**
990.4354	8	T	12	1371.6843	**686.3461**
1121.4759	9	M	11	1270.6367	**635.8222**
1222.5236	10	T	10	**1139.5962**	**570.3020**
1279.5450	11	G	9	**1038.5485**	**519.7782**
1465.6244	12	W	8	981.5270	**491.2674**
1564.6928	13	V	7	**795.4477**	398.2278
1701.7517	14	H	6	**696.3793**	**348.6936**
1816.7786	15	D	5	**559.3204**	280.1641
1915.8470	16	V	4	**444.2934**	222.6506
2028.9311	17	L	3	**345.2250**	173.1164
2085.9526	18	G	2	232.1410	116.5744
	19	R	1	175.1195	88.0637

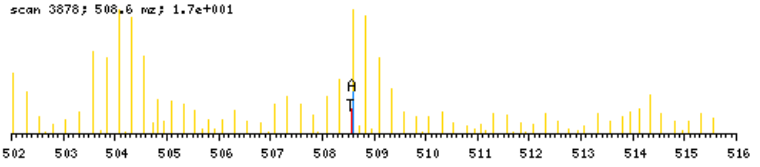
N-term:+29.04 C(5):+160.03

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

AITATQKTVDGPSGKLWR, MH+ 2031.2451, m/z 508.5667
H OS G17 P120811 220811-s1.03880.03880.4.dta



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

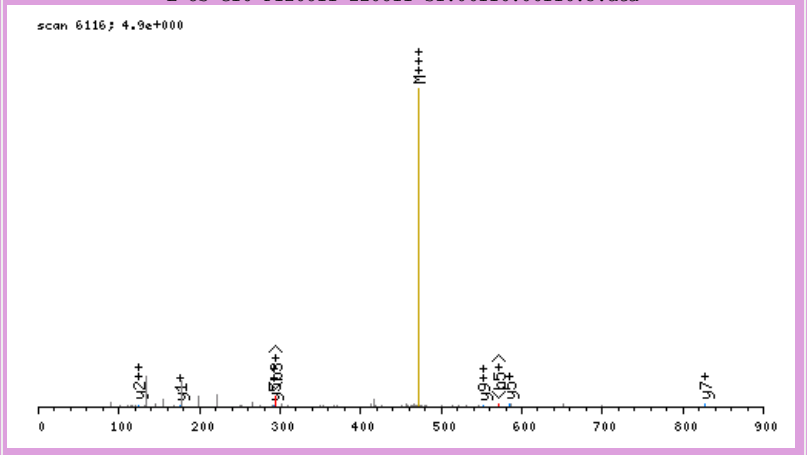


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

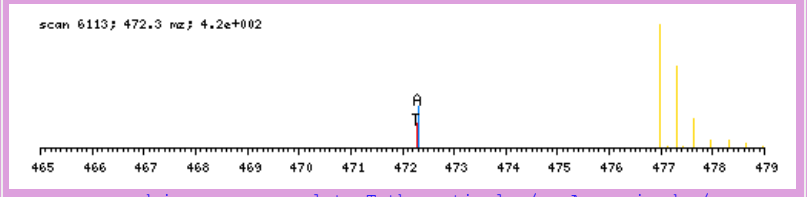
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
219.1921	2	I	17	1926.1449	963.5764
320.2398	3	T	16	1813.0609	**907.0344**
391.2769	4	A	15	1712.0132	**856.5105**
492.3245	5	T	14	1640.9761	820.9920
620.3831	6	Q	13	1539.9284	770.4681
782.5412	7	K	12	1411.8698	**706.4388**
883.5889	8	T	11	1249.7117	**625.3598**
982.6573	9	V	10	1148.6641	574.8359
1097.6843	10	D	9	1049.5956	525.3017
1154.7057	11	G	8	**934.5687**	**467.7883**
1251.7585	12	P	7	877.5472	**439.2775**
1338.7905	13	S	6	780.4945	390.7511
1395.8120	14	G	5	693.4624	347.2351
1557.9701	15	K	4	**636.4410**	318.7244
1671.0541	16	L	3	474.2829	237.6454
1857.1335	17	W	2	361.1988	181.1033
	18	R	1	175.1195	88.0637

N-term:+35.07 K(7):+162.16
K(15):+162.16

AIVEFLEPLEAR, MH+ 1414.7946, m/z 472.2697
L OS G16 P120811 220811-s1.06116.06116.3.dta



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



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

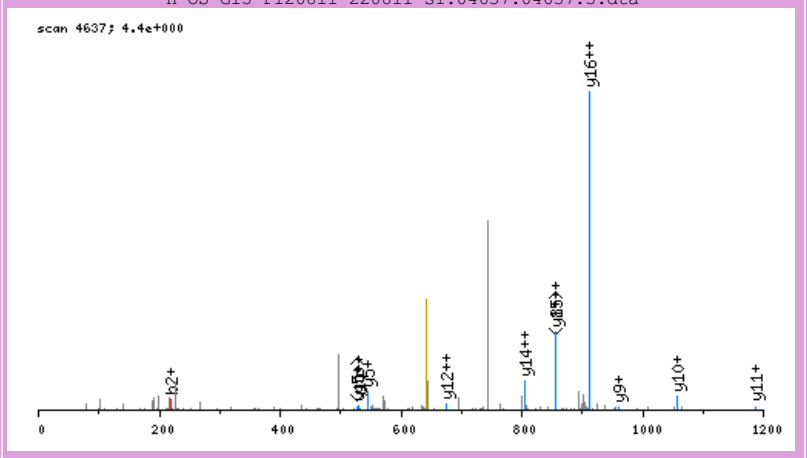
X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
213.1603	2	I	11	1315.7262	658.3670
312.2287	3	V	10	1202.6421	601.8250
441.2713	4	E	9	1103.5737	**552.2908**
588.3397	5	F	8	974.5311	487.7695
701.4238	6	L	7	**827.4627**	414.2353
830.4664	7	E	6	714.3786	357.6932
927.5191	8	P	5	**585.3360**	**293.1719**
1040.6032	9	L	4	488.2833	244.6455
1169.6458	10	E	3	375.1992	188.1035
1240.6829	11	A	2	246.1566	**123.5822**
	12	R	1	**175.1195**	88.0637

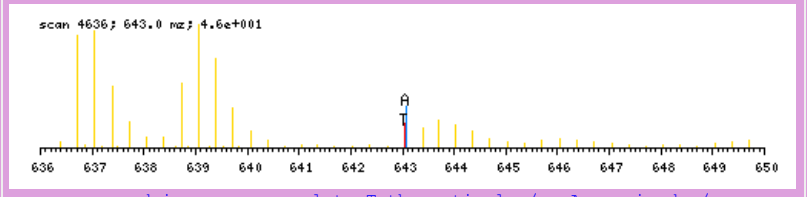
N-term:+29.04

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

AIVFIKEPSSQDALQGR, MH+ 1927.1289, m/z 643.0478
H OS G15 P120811 220811-s1.04637.04637.3.dta



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



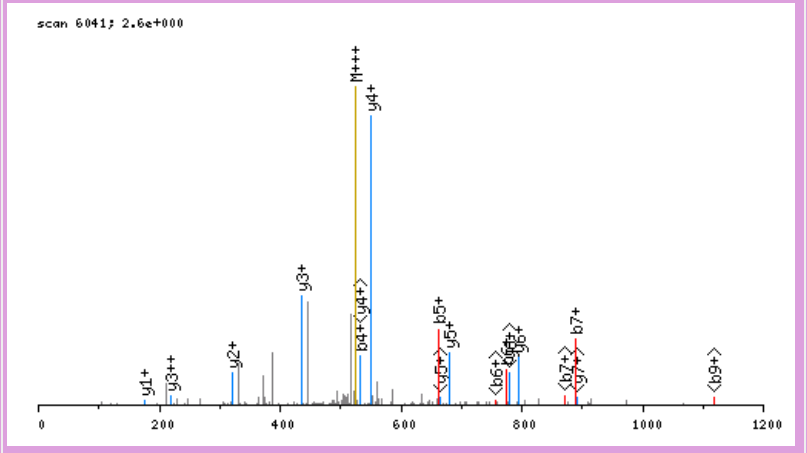
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

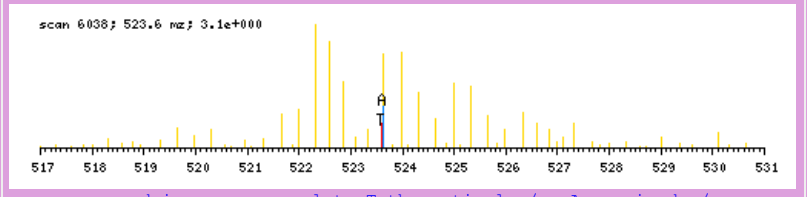
N-term:+35.07 K(6):+162.16

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

AKFEELNMDLFR, MH+ 1568.8147, m/z 523.6097
L OS G16 P120811 220811-s1.06041.06041.3.dta



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



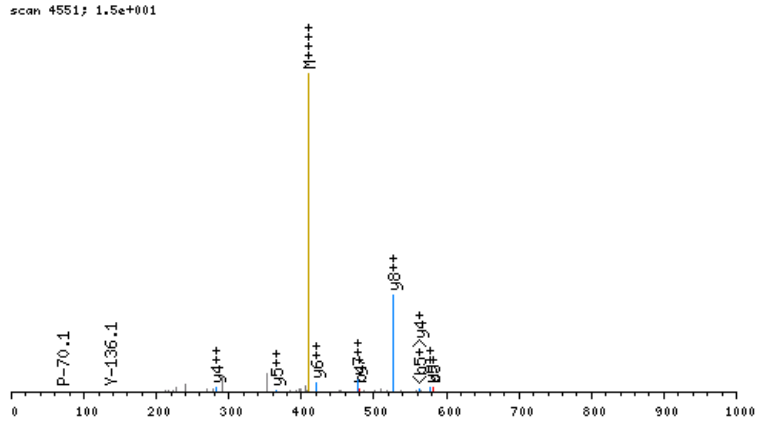
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
256.2025	2	K	11	1469.7463	735.3771
403.2709	3	F	10	1313.6200	657.3139
532.3135	4	E	9	1166.5516	583.7797
661.3561	5	E	8	1037.5090	519.2584
774.4402	6	L	7	908.4664	454.7371
888.4831	7	N	6	**795.3823**	398.1951
1019.5236	8	M	5	**681.3394**	341.1736
1134.5505	9	D	4	**550.2989**	275.6534
1247.6346	10	L	3	**435.2720**	**218.1399**
1394.7030	11	F	2	**322.1879**	161.5979
	12	R	1	**175.1195**	88.0637

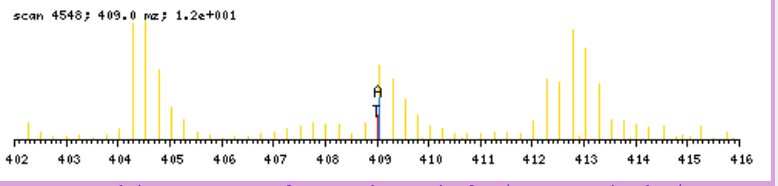
N-term:+29.04 K(2):+156.13

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

AKVLTPDLYNKLR, MH+ 1633.0901, m/z 409.0280
H OS G17 P120811 220811-s1.04551.04551.4.dta



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



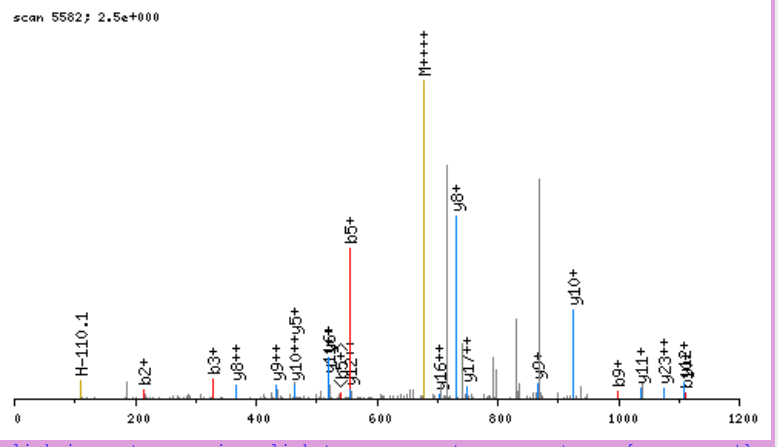
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

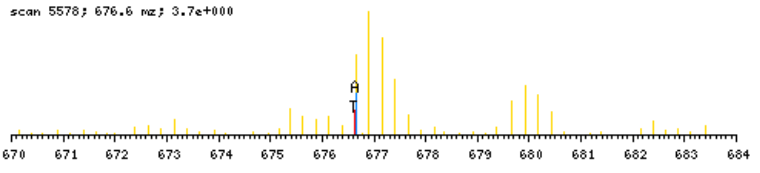
N-term:+35.07 K(2):+162.16
K(11):+162.16

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

ALDLDPSKTNVSGGAIALGHPLGGSGSR, MH+ 2703.4430, m/z 676.6162
L_OS_G16_P120811_220811-s1.05582.05582.4.dta



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



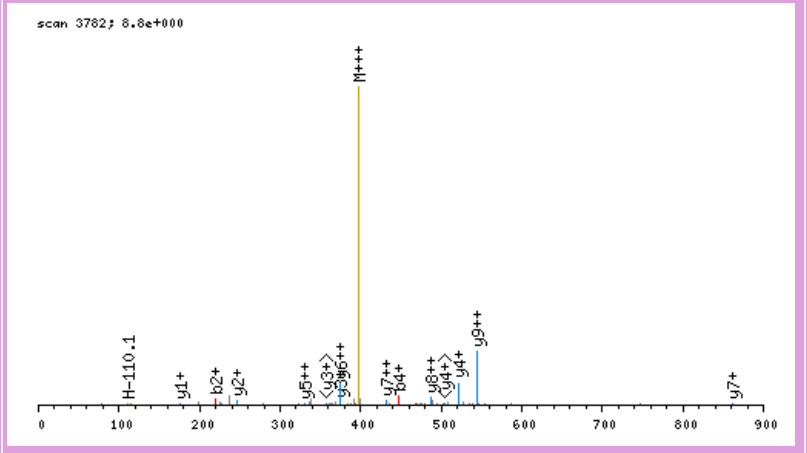
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

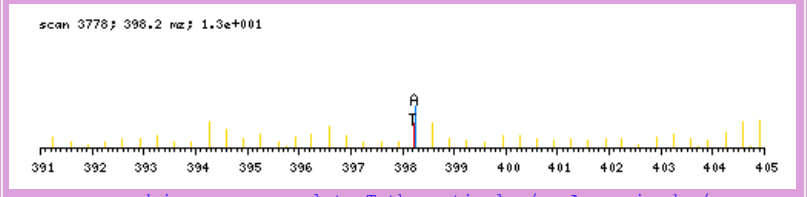
N-term:+29.04 K(8):+156.13

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

ALIDSHFEAR, MH+ 1192.6538, m/z 398.2228
H OS G16 P120811 220811-s1.03782.03782.3.dta



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



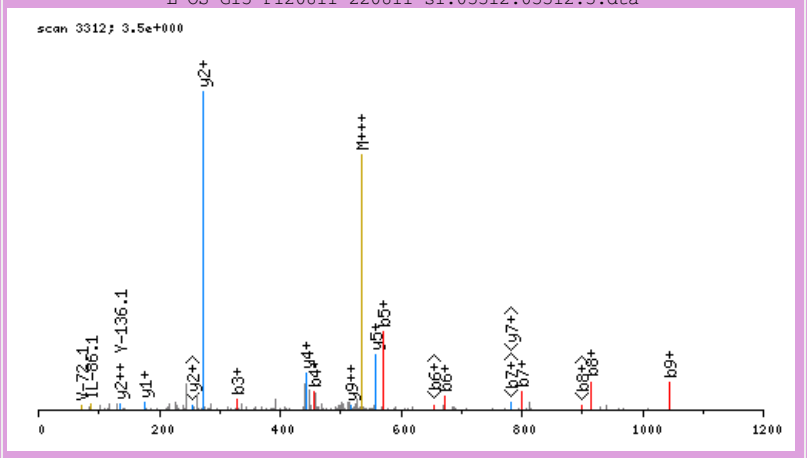
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	10		
219.1921	2	L	9	1087.5536	544.2807
332.2761	3	I	8	974.4696	487.7387
447.3031	4	D	7	861.3855	431.1967
534.3351	5	S	6	746.3586	373.6832
671.3940	6	H	5	659.3265	330.1672
818.4624	7	F	4	522.2676	261.6377
947.5050	8	E	3	375.1992	188.1035
1018.5421	9	A	2	246.1566	123.5822
	10	R	1	175.1195	88.0637

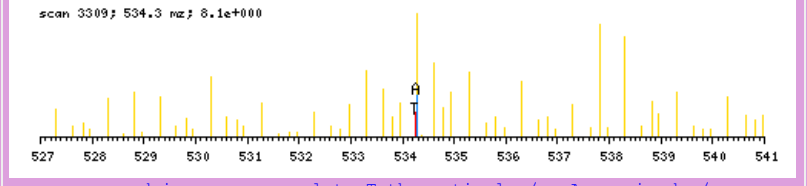
N-term:+35.07

ALNEDTQDELGDPR, MH+ 1600.7454, m/z 534.2533
L OS G13 P120811 220811-s1.03312.03312.3.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±]



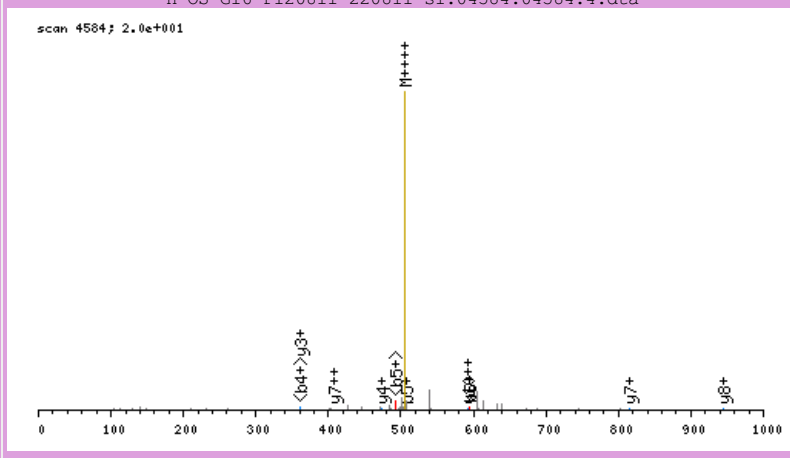
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
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

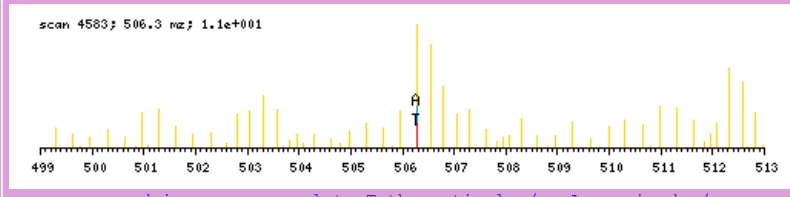
N-term:+29.04

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

ALSAMSNQQLEDLINQGR, MH+ 2022.0502, m/z 506.2680
H OS G16 P120811 220811-s1.04584.04584.4.dta



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



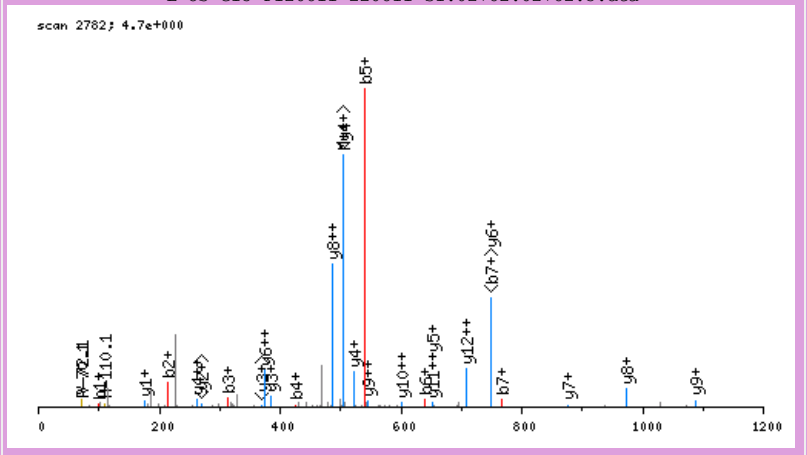
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
219.1921	2	L	17	1916.9500	958.9789
306.2241	3	S	16	1803.8659	902.4369
377.2612	4	A	15	1716.8339	858.9209
508.3017	5	M	14	1645.7968	823.4023
595.3337	6	S	13	1514.7563	757.8821
709.3767	7	N	12	1427.7243	714.3661
837.4352	8	Q	11	1313.6814	657.3446
965.4938	9	Q	10	1185.6228	**593.3153**
1078.5779	10	L	9	1057.5642	529.2860
1207.6205	11	E	8	**944.4801**	472.7440
1322.6474	12	D	7	**815.4375**	**408.2227**
1435.7315	13	L	6	700.4106	350.7092
1548.8155	14	I	5	587.3265	294.1672
1662.8585	15	N	4	**474.2425**	237.6251
1790.9170	16	Q	3	**360.1995**	180.6037
1847.9385	17	G	2	232.1410	116.5744
	18	R	1	175.1195	88.0637

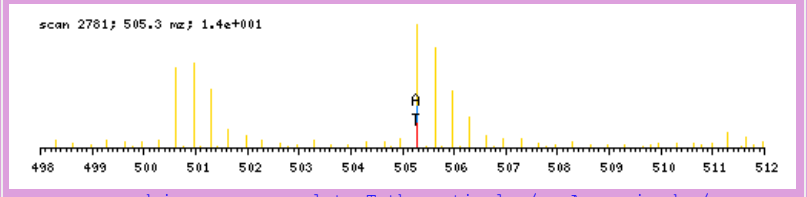
N-term:+35.07

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

ALVNDPQPEHPLR, MH+ 1513.8127, m/z 505.2757
L OS G15 P120811 220811-s1.02782.02782.3.dta



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



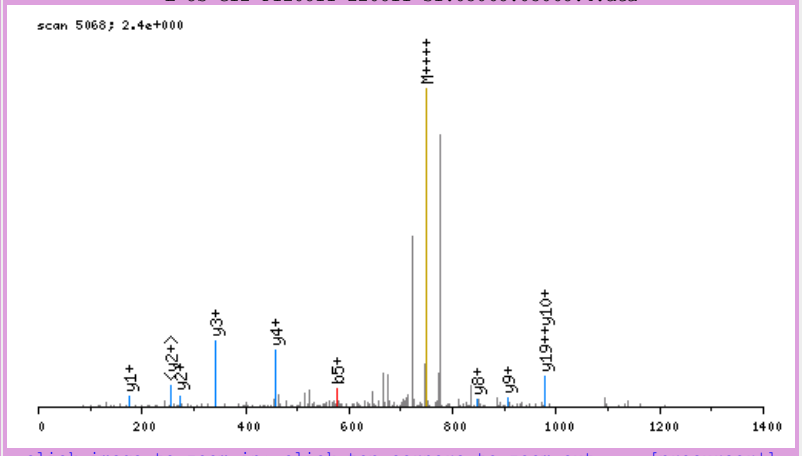
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

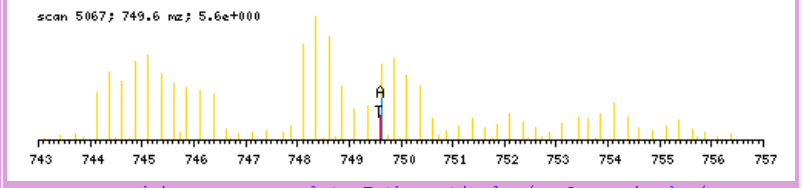
N-term:+29.04

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

AMDDDIAALVVDNGSGMCKAGFAGDDAPR, MH+ 2995.3599, m/z 749.5954
L OS G12 P120811 220811-s1.05068.05068.4.dta



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



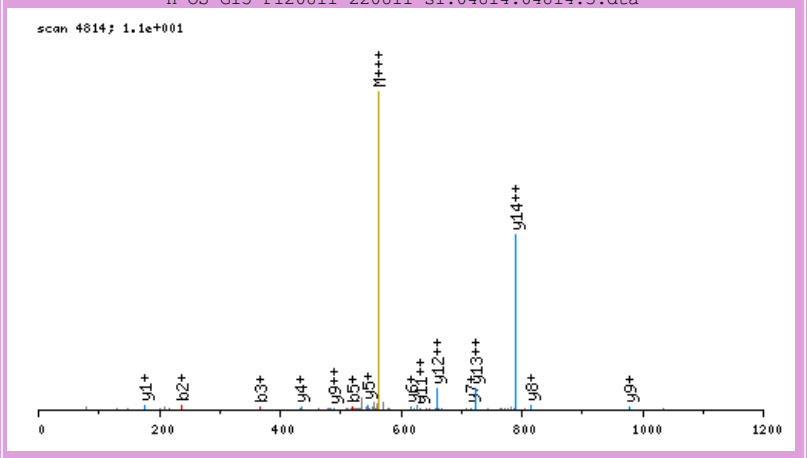
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	29		
231.1167	2	M	28	2896.2915	1448.6497
346.1436	3	D	27	2765.2511	1383.1294
461.1706	4	D	26	2650.2241	1325.6160
576.1975	5	D	25	2535.1972	1268.1025
689.2816	6	I	24	2420.1702	1210.5890
760.3187	7	A	23	2307.0862	1154.0470
831.3558	8	A	22	2236.0491	1118.5284
944.4399	9	L	21	2165.0119	1083.0099
1043.5083	10	V	20	2051.9279	1026.4678
1142.5767	11	V	19	1952.8595	**976.9336**
1257.6037	12	D	18	1853.7910	927.3994
1371.6466	13	N	17	1738.7641	869.8860
1428.6680	14	G	16	1624.7212	812.8645
1515.7001	15	S	15	1567.6997	784.3538
1572.7215	16	G	14	1480.6677	740.8378
1703.7620	17	M	13	1423.6462	712.3270
1863.7926	18	C	12	1292.6057	646.8068
2019.9189	19	K	11	1132.5751	566.7915
2090.9560	20	A	10	**976.4488**	488.7283
2147.9775	21	G	9	**905.4117**	453.2098
2295.0459	22	F	8	**848.3903**	424.6990
2366.0830	23	A	7	701.3218	351.1648
2423.1045	24	G	6	630.2847	315.6463
2538.1314	25	D	5	573.2633	287.1355
2653.1584	26	D	4	**458.2363**	229.6221
2724.1955	27	A	3	**343.2094**	172.1086
2821.2483	28	P	2	**272.1723**	136.5900
	29	R	1	**175.1195**	88.0637

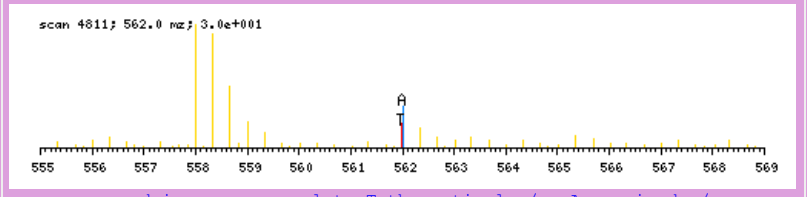
N-term:+29.04 C(18):+160.03
K(19):+156.13

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

AMEGPWKTVAIAADR, MH+ 1683.9528, m/z 561.9891
H OS G15 P120811 220811-s1.04814.04814.3.dta



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



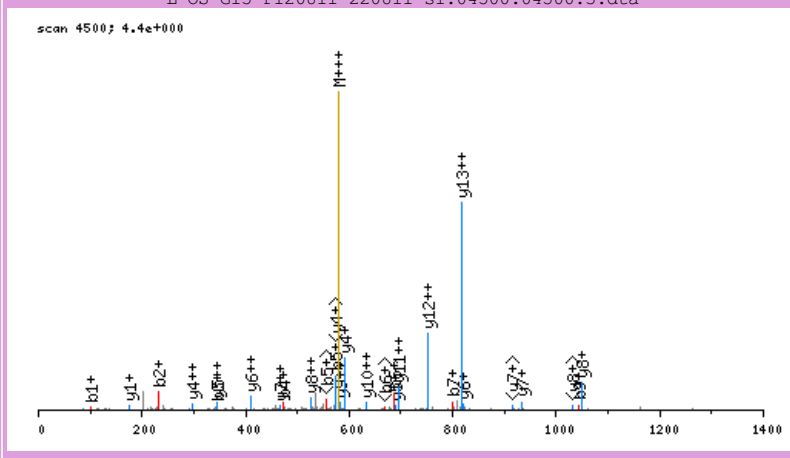
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

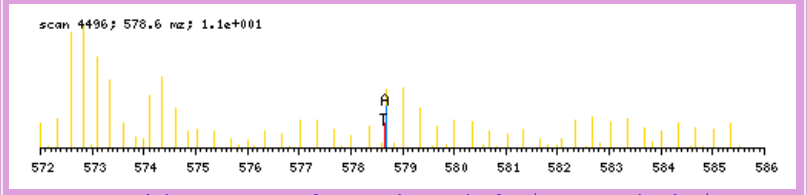
N-term:+35.07 K(7):+162.16

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

AMLQTLNDEVPKYR, MH+ 1733.9260, m/z 578.6469
L OS G15 P120811 220811-s1.04500.04500.3.dta



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



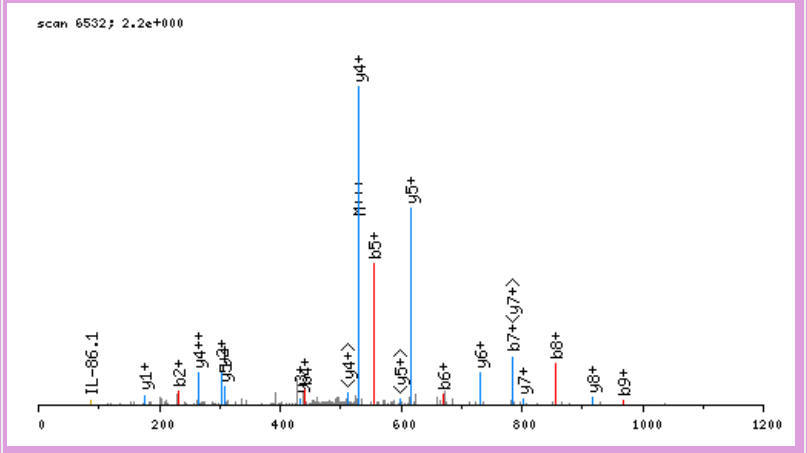
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
231.1167	2	M	13	1634.8576	817.9327
344.2008	3	L	12	1503.8172	752.4125
472.2593	4	Q	11	1390.7331	695.8705
573.3070	5	T	10	1262.6745	631.8412
686.3911	6	L	9	1161.6268	581.3173
800.4340	7	N	8	1048.5428	524.7753
915.4610	8	D	7	934.4998	467.7538
1044.5035	9	E	6	819.4729	410.2404
1143.5720	10	V	5	690.4303	345.7191
1240.6247	11	P	4	591.3619	296.1849
1396.7510	12	K	3	494.3091	247.6585
1559.8144	13	Y	2	338.1828	169.5953
	14	R	1	175.1195	88.0637

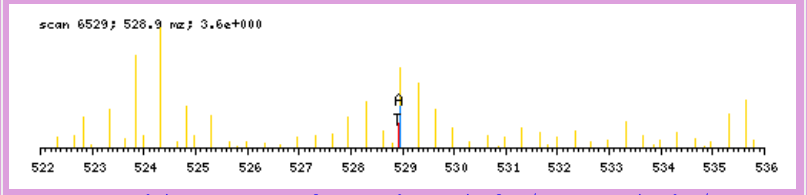
N-term:+29.04 K(12):+156.13

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

AMPLDLDALSPEER, MH+ 1584.7943, m/z 528.9363
L OS G13 P120811 220811-s1.06532.06532.3.dta



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



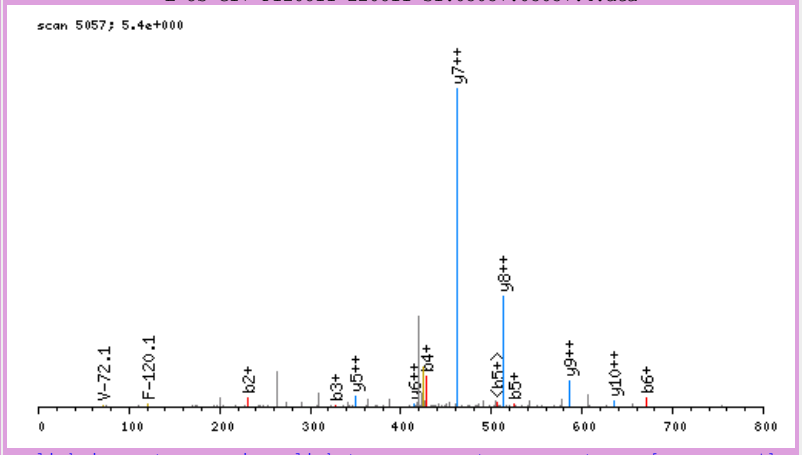
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
231.1167	2	M	13	1485.7259	743.3669
328.1695	3	P	12	1354.6854	677.8466
441.2535	4	L	11	1257.6327	629.3202
556.2805	5	D	10	1144.5486	572.7782
669.3645	6	L	9	1029.5217	515.2647
784.3915	7	D	8	916.4376	458.7227
855.4286	8	A	7	801.4107	401.2092
968.5127	9	L	6	730.3735	365.6907
1055.5447	10	S	5	617.2895	309.1487
1152.5974	11	P	4	530.2575	265.6326
1281.6400	12	E	3	433.2047	217.1063
1410.6826	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

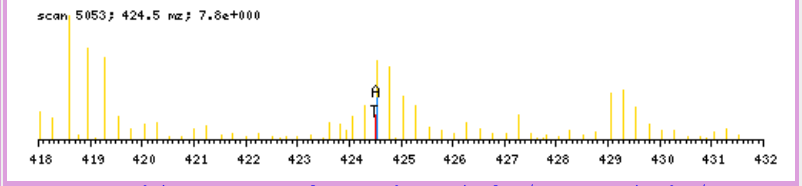
N-term:+29.04

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

AMPVPFTPELKPKR, MH+ 1695.0032, m/z 424.5063
L OS G17 P120811 220811-s1.05057.05057.4.dta



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



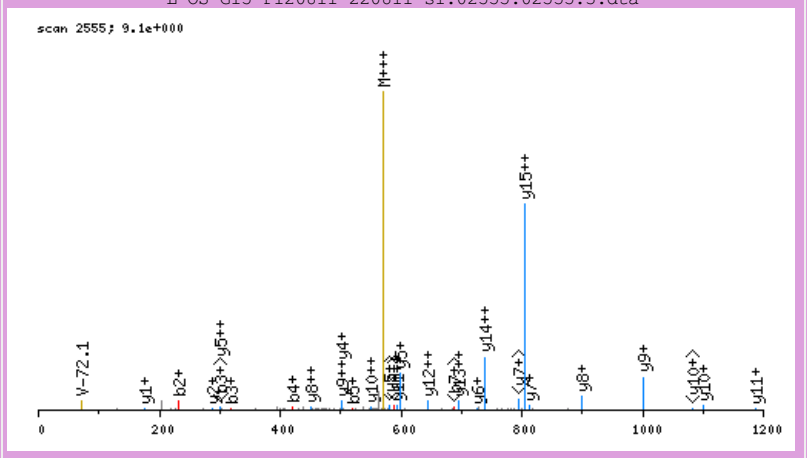
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
231.1167	2	M	13	1595.9348	798.4713
328.1695	3	P	12	1464.8943	732.9511
427.2379	4	V	11	1367.8416	684.4247
524.2906	5	P	10	1268.7731	**634.8905**
671.3591	6	F	9	1171.7204	**586.3641**
772.4067	7	T	8	1024.6520	**512.8299**
869.4595	8	P	7	923.6043	**462.3061**
998.5021	9	E	6	826.5515	**413.7797**
1111.5862	10	L	5	697.5089	**349.2584**
1267.7125	11	K	4	584.4249	292.7163
1364.7652	12	P	3	428.2986	214.6532
1520.8915	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

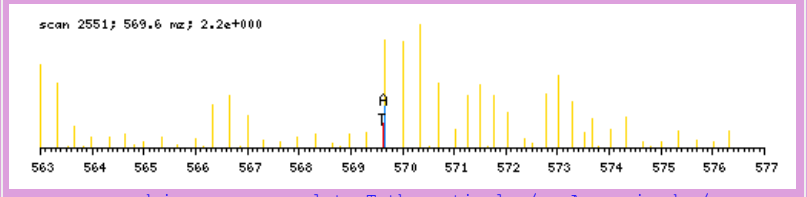
N-term:+29.04 K(11):+156.13
K(13):+156.13

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

AMSTTSVTSSQPGKLR, MH+ 1706.9111, m/z 569.6419
L OS G15 P120811 220811-s1.02555.02555.3.dta



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



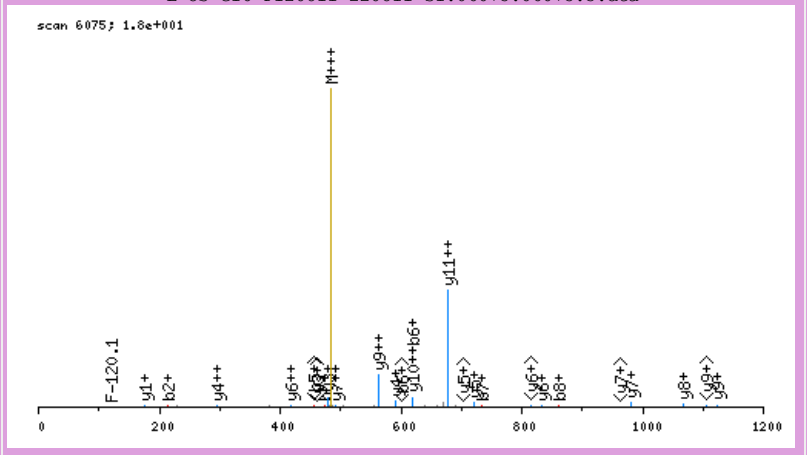
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

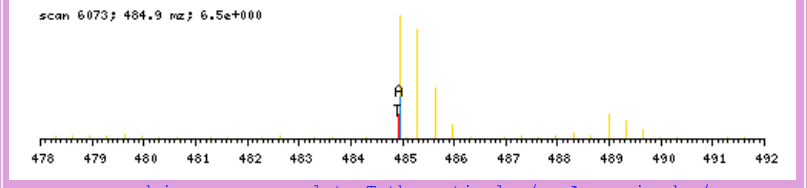
N-term:+29.04 K(14):+156.13

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 G16 P120811 220811-s1.06075.06075.3.dta



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



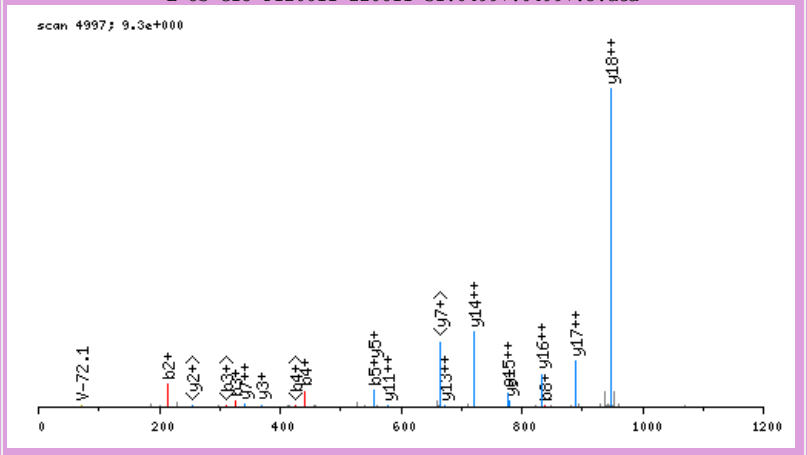
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

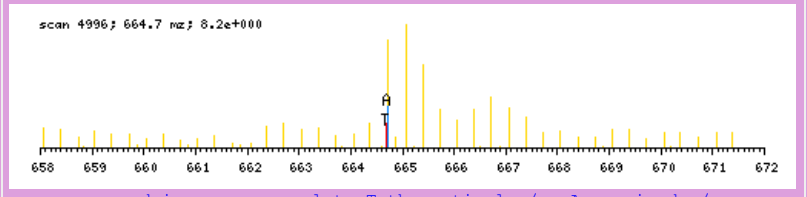
N-term:+29.04 K(11):+156.13

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

ANINIPMGAFRPGAGQPPR, MH+ 1992.0601, m/z 664.6916
L OS G15 P120811 220811-s1.04997.04997.3.dta



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



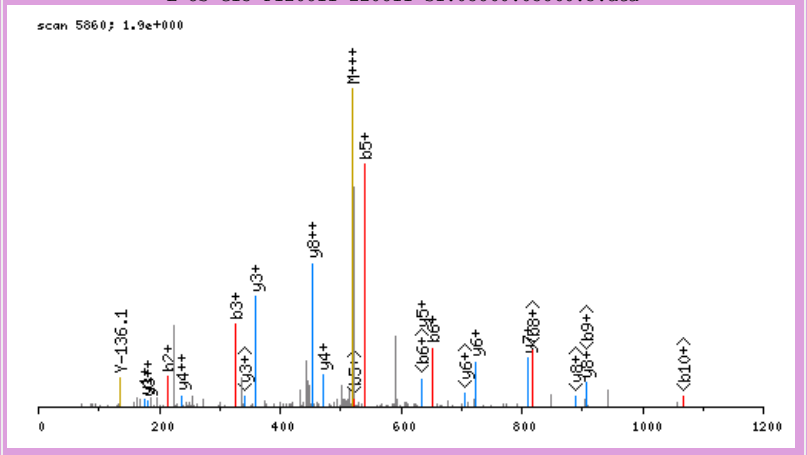
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
214.1191	2	N	18	1892.9917	**946.9998**
327.2032	3	I	17	1778.9488	**889.9783**
441.2461	4	N	16	1665.8648	**833.4363**
554.3302	5	I	15	1551.8218	**776.4148**
651.3830	6	P	14	1438.7378	**719.8728**
782.4234	7	M	13	1341.6850	**671.3464**
839.4449	8	G	12	1210.6445	605.8262
910.4820	9	A	11	1153.6231	**577.3154**
1057.5504	10	F	10	1082.5859	541.7969
1213.6515	11	R	9	935.5175	468.2627
1310.7043	12	P	8	**779.4164**	390.2121
1367.7258	13	G	7	682.3636	**341.6857**
1438.7629	14	A	6	625.3422	313.1750
1495.7844	15	G	5	**554.3051**	277.6564
1623.8429	16	Q	4	497.2836	249.1457
1720.8957	17	P	3	**369.2250**	185.1164
1817.9485	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

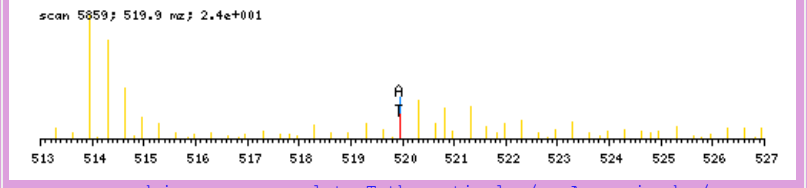
N-term:+29.04

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

ANIPDLPSSYIPSR, MH+ 1557.8277, m/z 519.9474
L OS G13 P120811 220811-s1.05860.05860.3.dta



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



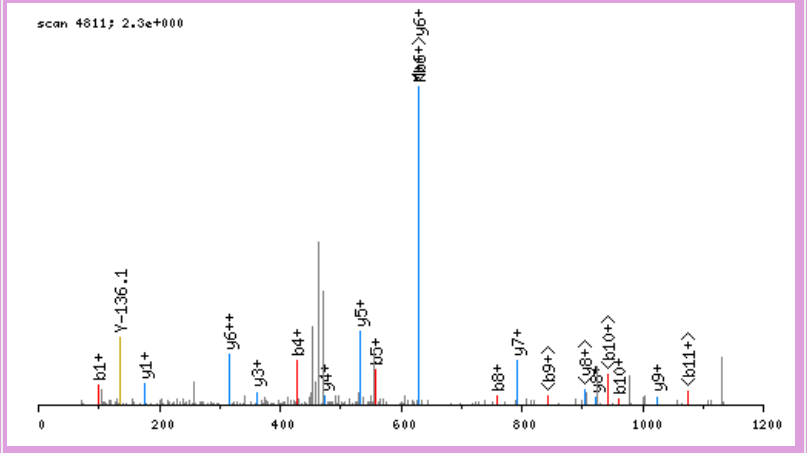
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
214.1191	2	N	13	1458.7593	729.8835
327.2032	3	I	12	1344.7163	672.8621
424.2560	4	P	11	1231.6323	616.3201
539.2829	5	D	10	1134.5795	567.7937
652.3670	6	L	9	1019.5526	510.2802
749.4197	7	P	8	**906.4685**	**453.7382**
836.4518	8	S	7	**809.4157**	405.2118
923.4838	9	S	6	**722.3837**	361.6958
1086.5471	10	Y	5	**635.3517**	318.1798
1199.6312	11	I	4	**472.2884**	**236.6481**
1296.6840	12	P	3	**359.2043**	**180.1061**
1383.7160	13	S	2	262.1515	131.5797
	14	R	1	**175.1195**	88.0637

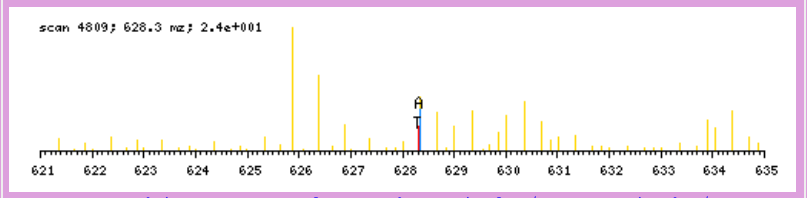
N-term:+29.04

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

ANNVMSGGTTMYPGIADR, MH+ 1882.8791, m/z 628.2979
L OS G13 P120811 220811-s1.04811.04811.3.dta



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



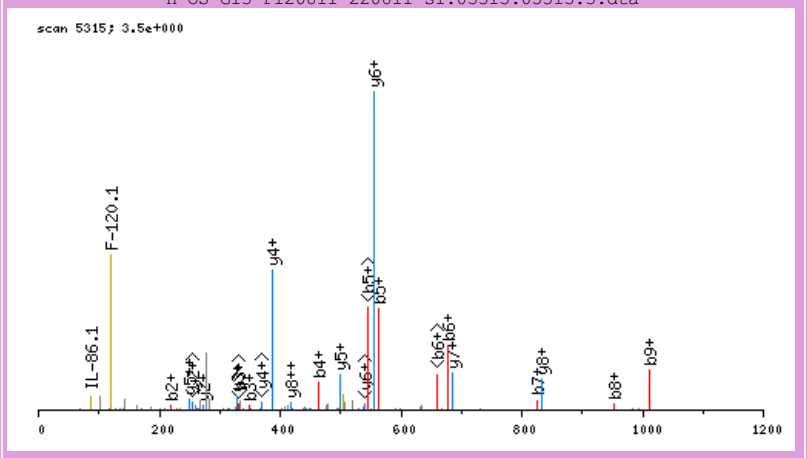
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

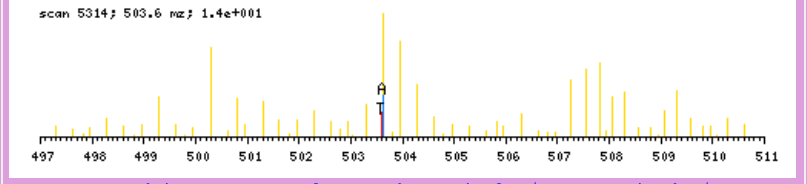
N-term:+29.04

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+ 1508.7921, m/z 503.6022
H_OS_G13_P120811_220811-s1.05315.05315.3.dta



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



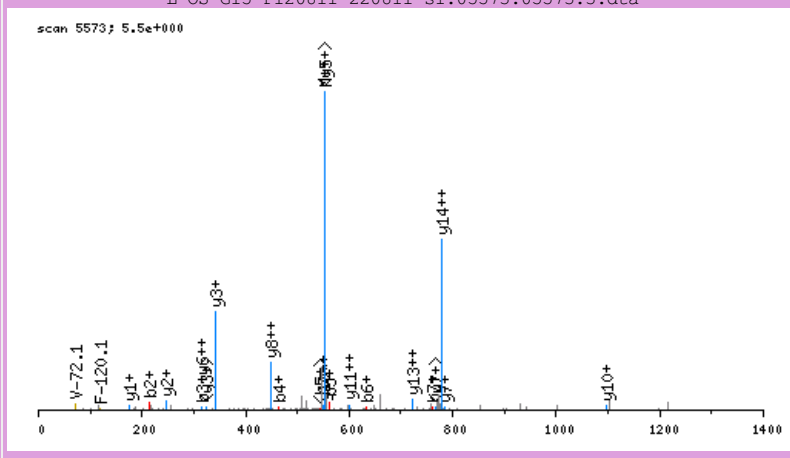
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
220.1509	2	N	13	1403.6919	702.3499
348.2095	3	Q	12	1289.6490	645.3284
463.2365	4	D	11	1161.5904	581.2991
564.2841	5	T	10	1046.5635	523.7856
677.3682	6	I	9	945.5158	473.2618
824.4366	7	F	8	832.4317	416.7198
953.4792	8	E	7	685.3633	343.1856
1010.5007	9	G	6	556.3207	278.6643
1123.5847	10	I	5	499.2993	250.1535
1180.6062	11	G	4	386.2152	193.6115
1237.6277	12	G	3	329.1937	165.1008
1334.6804	13	P	2	272.1723	136.5900
	14	R	1	175.1195	88.0637

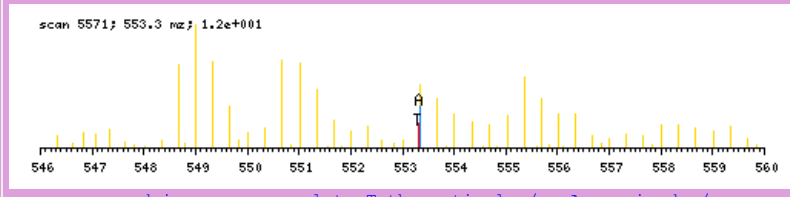
N-term:+35.07

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

ANTFVAELKGLDPAR, MH+ 1657.9277, m/z 553.3141
L OS G15 P120811 220811-s1.05573.05573.3.dta



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



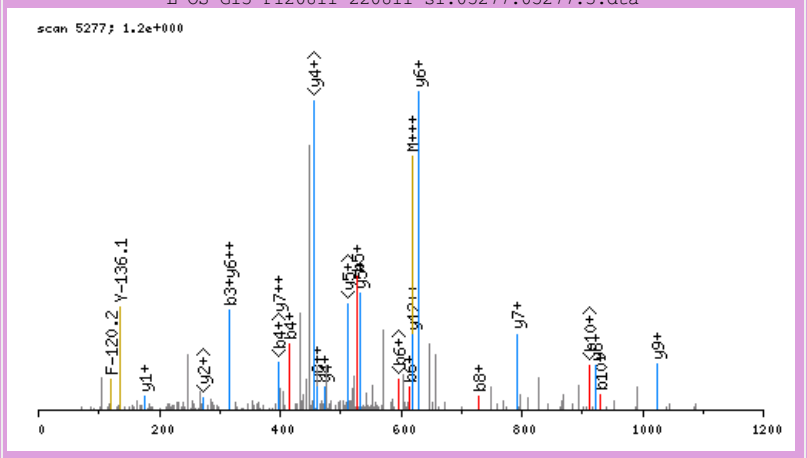
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

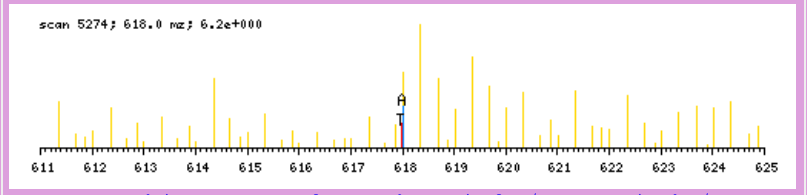
N-term:+29.04 K(9):+156.13

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+ 1851.9274, m/z 617.9807
L OS G13 P120811 220811-s1.05277.05277.3.dta



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



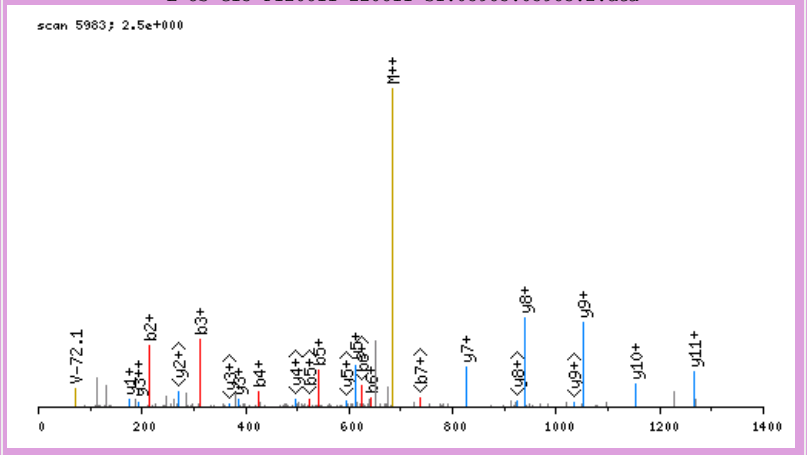
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
214.1191	2	N	17	1752.8591	876.9334
315.1668	3	T	16	1638.8161	819.9120
414.2352	4	V	15	1537.7685	769.3881
527.3193	5	L	14	1438.7000	719.8539
614.3513	6	S	13	1325.6160	663.3119
671.3728	7	G	12	1238.5839	**619.7959**
728.3943	8	G	11	1181.5625	591.2852
829.4419	9	T	10	1124.5410	562.7744
930.4896	10	T	9	**1023.4933**	512.2506
1061.5301	11	M	8	**922.4457**	**461.7267**
1224.5934	12	Y	7	**791.4052**	**396.2065**
1321.6462	13	P	6	**628.3418**	**314.6748**
1378.6677	14	G	5	**531.2891**	266.1485
1491.7517	15	I	4	**474.2676**	237.6377
1562.7888	16	A	3	361.1836	181.0957
1677.8158	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

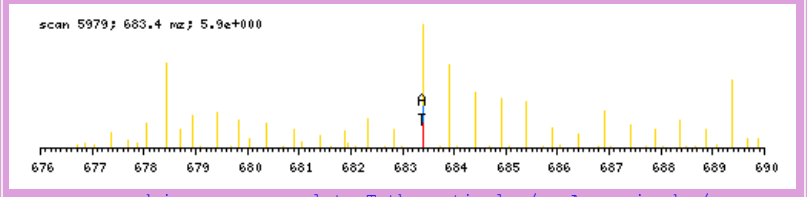
N-term:+29.04

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

ANVIDTIPEPLR, MH+ 1365.7742, m/z 683.3907
L OS G13 P120811 220811-s1.05983.05983.2.dta



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



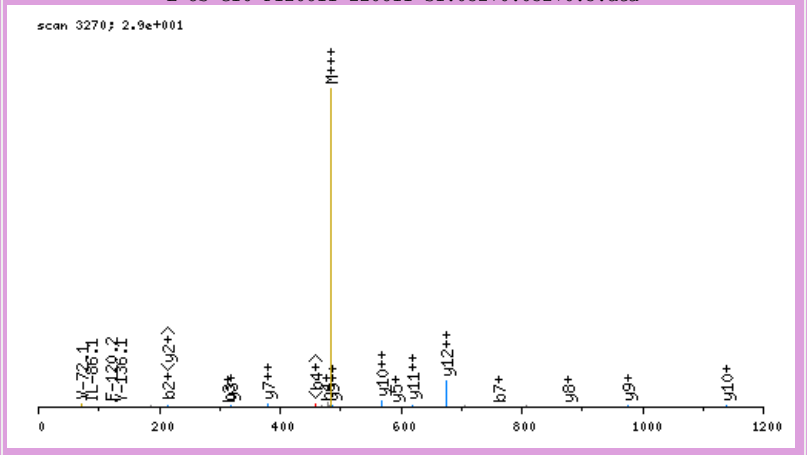
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
214.1191	2	N	11	1266.7058	633.8568
313.1876	3	V	10	1152.6628	576.8353
426.2716	4	I	9	1053.5944	527.3011
541.2986	5	D	8	940.5104	470.7591
642.3462	6	T	7	825.4834	413.2456
755.4303	7	I	6	724.4357	362.7218
852.4831	8	P	5	611.3517	306.1798
981.5257	9	E	4	514.2989	257.6534
1078.5784	10	P	3	385.2563	193.1321
1191.6625	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

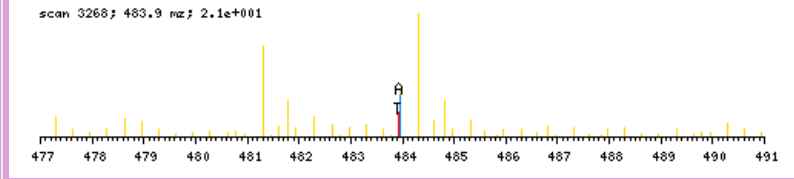
N-term:+29.04

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

ANVYVDAVKDSGR, MH+ 1449.7702, m/z 483.9282
L OS G16 P120811 220811-s1.03270.03270.3.dta



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



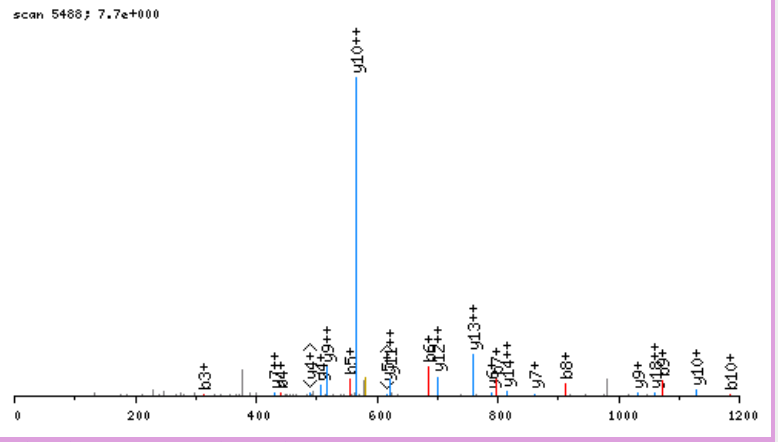
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
214.1191	2	N	12	1350.7018	**675.8548**
313.1876	3	V	11	1236.6589	**618.8333**
476.2509	4	Y	10	**1137.5904**	**569.2991**
575.3193	5	V	9	**974.5271**	**487.7675**
690.3462	6	D	8	**875.4587**	438.2333
761.3834	7	A	7	760.4318	**380.7198**
860.4518	8	V	6	689.3946	345.2012
1016.5781	9	K	5	**590.3262**	295.6670
1131.6050	10	D	4	434.1999	217.6039
1218.6370	11	S	3	**319.1730**	160.0904
1275.6585	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

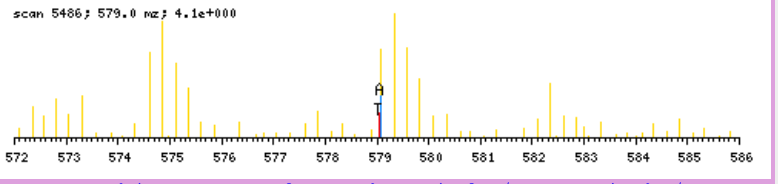
N-term:+29.04 K(9):+156.13

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

APDQDEIDCLPGLAKQPSFR, MH+ 2313.1549, m/z 579.0442
L OS G14 P120811 220811-s1.05488.05488.4.dta



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



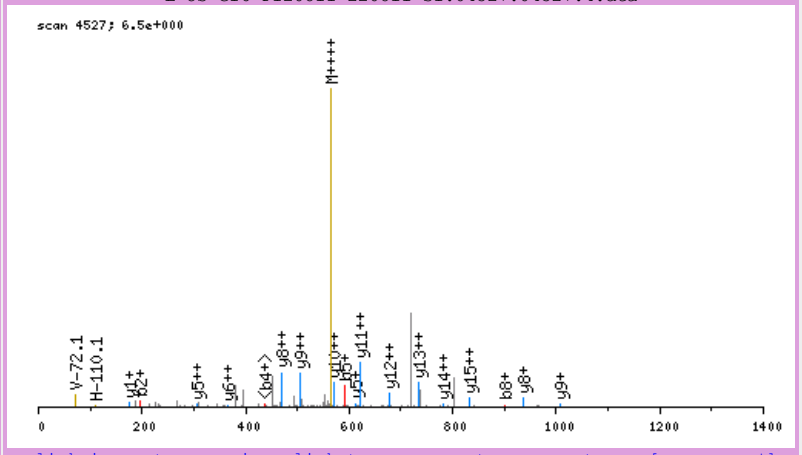
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
197.1290	2	P	19	2214.0865	1107.5472
312.1559	3	D	18	2117.0337	**1059.0208**
440.2145	4	Q	17	2002.0068	1001.5073
555.2414	5	D	16	1873.9482	937.4780
684.2840	6	E	15	1758.9213	879.9645
797.3681	7	I	14	1629.8787	**815.4432**
912.3950	8	D	13	1516.7946	**758.9012**
1072.4256	9	C	12	1401.7677	**701.3877**
1185.5097	10	L	11	1241.7371	**621.3724**
1282.5625	11	P	10	**1128.6530**	**564.8304**
1339.5839	12	G	9	**1031.6002**	**516.3040**
1452.6680	13	L	8	974.5788	487.7933
1523.7051	14	A	7	**861.4947**	**431.2513**
1679.8314	15	K	6	**790.4576**	395.7327
1807.8900	16	Q	5	634.3313	317.6696
1904.9428	17	P	4	**506.2727**	253.6403
1991.9748	18	S	3	409.2199	205.1139
2139.0432	19	F	2	322.1879	161.5979
	20	R	1	175.1195	88.0637

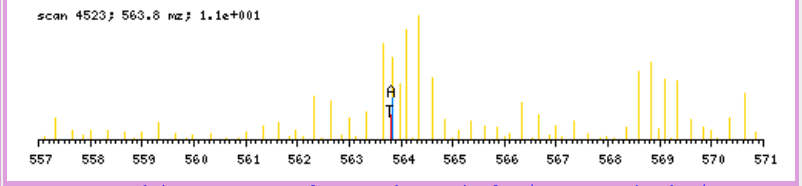
N-term:+29.04 C(9):+160.03
K(15):+156.13

APEEHPVLLTEAPLNPKANR, MH+ 2252.2403, m/z 563.8155
L OS G16 P120811 220811-s1.04527.04527.4.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±]



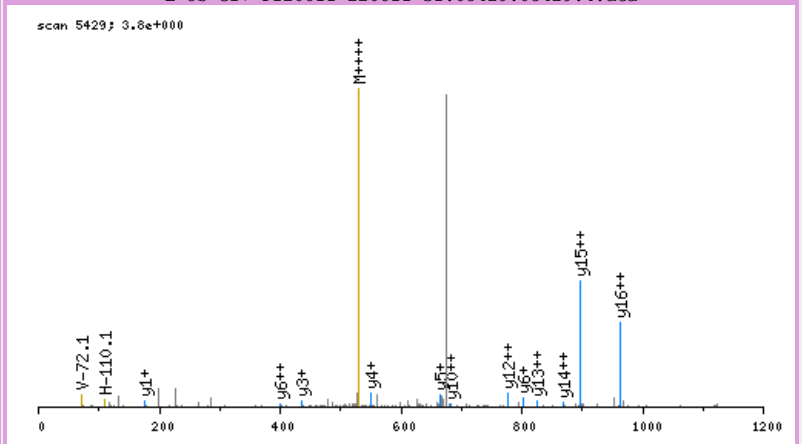
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
197.1290	2	P	19	2153.1719	1077.0899
326.1716	3	E	18	2056.1192	1028.5635
455.2142	4	E	17	1927.0766	964.0422
592.2731	5	H	16	1798.0340	899.5209
689.3258	6	P	15	1660.9751	**830.9914**
788.3943	7	V	14	1563.9223	**782.4651**
901.4783	8	L	13	1464.8539	**732.9308**
1014.5624	9	L	12	1351.7698	**676.3888**
1115.6101	10	T	11	1238.6857	**619.8468**
1244.6527	11	E	10	1137.6381	**569.3229**
1315.6898	12	A	9	**1008.5955**	**504.8017**
1412.7425	13	P	8	**937.5584**	**469.2831**
1525.8266	14	L	7	840.5056	420.7567
1639.8695	15	N	6	727.4215	**364.2147**
1736.9223	16	P	5	**613.3786**	**307.1932**
1893.0486	17	K	4	516.3258	258.6668
1964.0857	18	A	3	360.1995	180.6037
2078.1286	19	N	2	289.1624	145.0851
	20	R	1	**175.1195**	88.0637

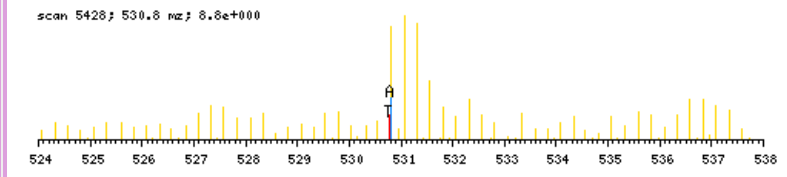
N-term:+29.04 K(17):+156.13

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

APEGSVANKFYVHNDIFR, MH+ 2120.0929, m/z 530.7787
L OS G17 P120811 220811-s1.05429.05429.4.dta



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

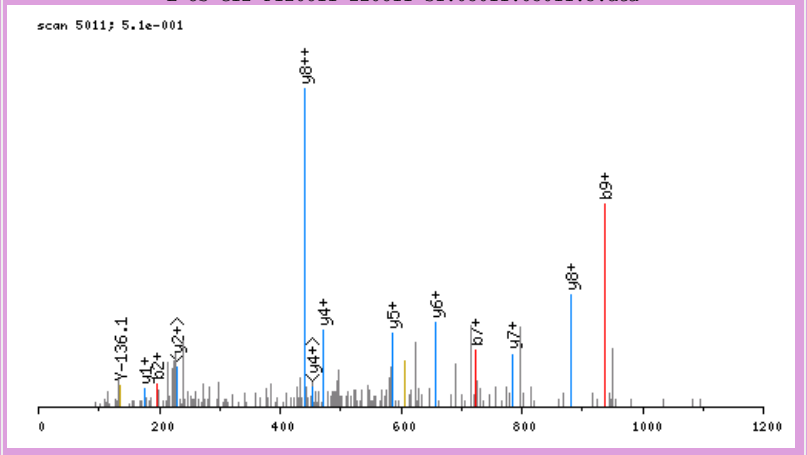


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

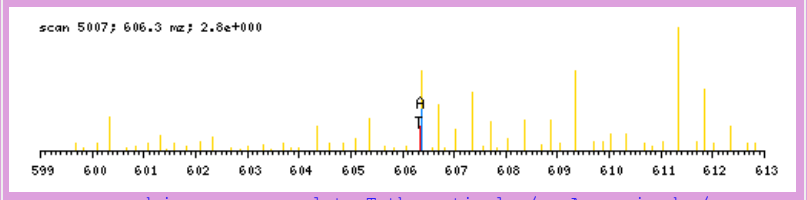
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
197.1290	2	P	17	2021.0245	1011.0162
326.1716	3	E	16	1923.9718	**962.4898**
383.1930	4	G	15	1794.9292	**897.9685**
470.2251	5	S	14	1737.9077	**869.4578**
569.2935	6	V	13	1650.8757	**825.9417**
640.3306	7	A	12	1551.8073	**776.4075**
754.3735	8	N	11	1480.7701	740.8890
910.4998	9	K	10	1366.7272	**683.8675**
1057.5682	10	F	9	1210.6009	605.8044
1220.6316	11	Y	8	1063.5325	532.2702
1319.7000	12	V	7	900.4692	450.7385
1456.7589	13	H	6	**801.4008**	**401.2043**
1570.8018	14	N	5	**664.3418**	332.6748
1685.8288	15	D	4	**550.2989**	275.6534
1798.9128	16	I	3	**435.2720**	218.1399
1945.9812	17	F	2	322.1879	161.5979
	18	R	1	**175.1195**	88.0637

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

APLPDSDPDPQALLLAR, MH+ 1816.9809, m/z 606.3318
L OS G12 P120811 220811-s1.05011.05011.3.dta



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



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

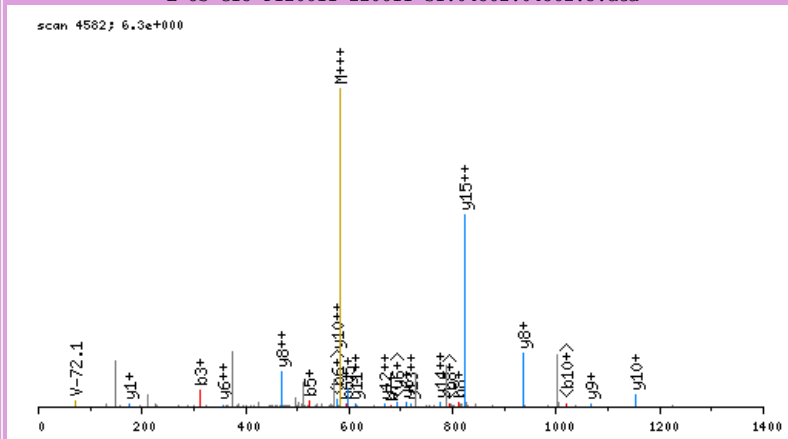
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
197.1290	2	P	16	1717.9125	859.4602
310.2130	3	L	15	1620.8597	810.9338
407.2658	4	P	14	1507.7756	754.3917
522.2927	5	D	13	1410.7229	705.8654
609.3248	6	S	12	1295.6959	648.3519
724.3517	7	D	11	1208.6639	604.8359
821.4045	8	P	10	1093.6370	547.3224
936.4314	9	D	9	996.5842	498.7960
1033.4842	10	P	8	**881.5573**	**441.2825**
1161.5428	11	Q	7	**784.5045**	392.7562
1232.5799	12	A	6	**656.4459**	328.7269
1345.6639	13	L	5	**585.4088**	293.2083
1458.7480	14	L	4	**472.3247**	236.6663
1571.8321	15	L	3	359.2407	180.1243
1642.8692	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

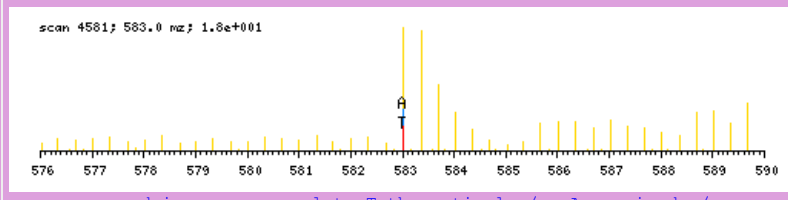
N-term:+29.04

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

APNVLASEPEIPKGIR, MH+ 1747.0118, m/z 583.0088
L OS G15 P120811 220811-s1.04582.04582.3.dta



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



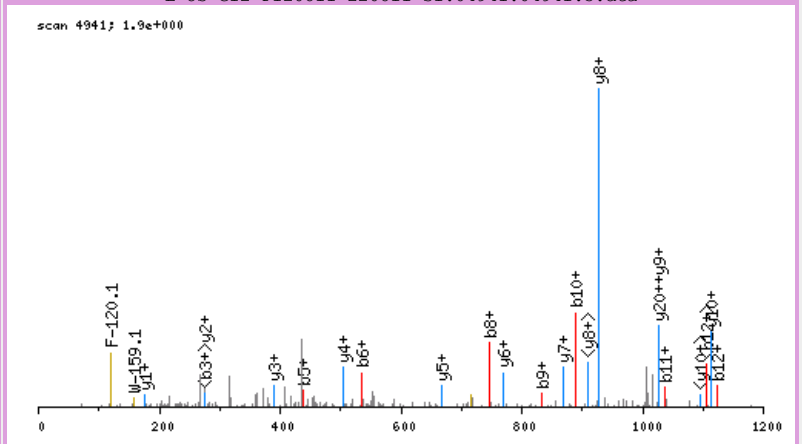
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
197.1290	2	P	15	1647.9434	**824.4756**
311.1719	3	N	14	1550.8907	**775.9492**
410.2403	4	V	13	1436.8477	**718.9278**
523.3244	5	L	12	1337.7793	**669.3936**
594.3615	6	A	11	1224.6952	**612.8515**
681.3935	7	S	10	**1153.6581**	**577.3330**
810.4361	8	E	9	**1066.6261**	533.8170
907.4889	9	P	8	**937.5835**	**469.2957**
1036.5315	10	E	7	840.5307	420.7693
1149.6155	11	I	6	**711.4882**	**356.2480**
1246.6683	12	P	5	**598.4041**	299.7060
1402.7946	13	K	4	501.3513	251.1796
1459.8161	14	G	3	345.2250	173.1164
1572.9001	15	I	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

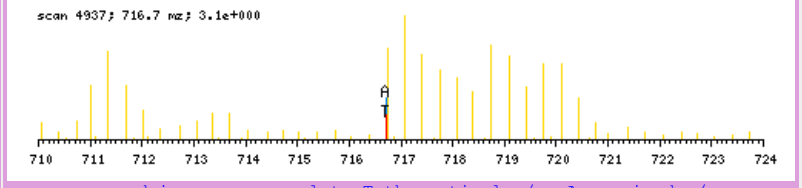
N-term:+29.04 K(13):+156.13

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

APPSGPPISGFSVGTTYDITR, MH+ 2148.0977, m/z 716.7041
L OS G12 P120811 220811-s1.04941.04941.3.dta



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



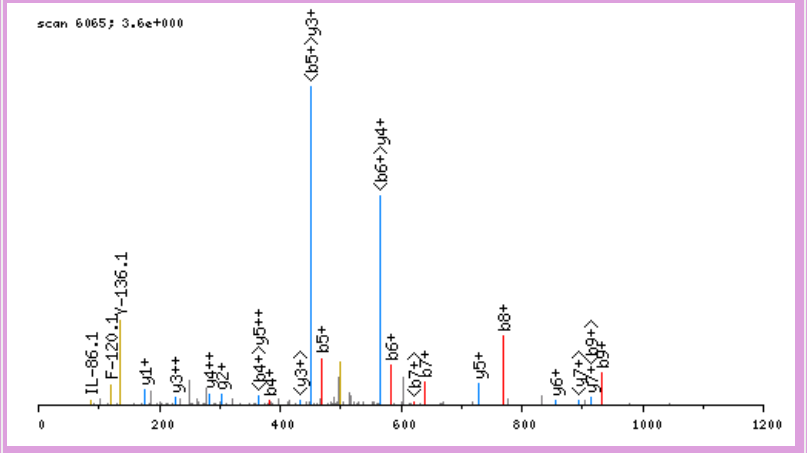
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
197.1290	2	P	20	2049.0293	**1025.0186**
294.1817	3	P	19	1951.9765	976.4922
381.2138	4	S	18	1854.9238	927.9658
438.2352	5	G	17	1767.8917	884.4498
535.2880	6	P	16	1710.8703	855.9391
632.3408	7	P	15	1613.8175	807.4127
745.4248	8	I	14	1516.7647	758.8863
832.4569	9	S	13	1403.6807	702.3443
889.4783	10	G	12	1316.6487	658.8282
1036.5467	11	F	11	1259.6272	630.3175
1123.5788	12	S	10	**1112.5588**	556.7833
1222.6472	13	V	9	**1025.5267**	513.2673
1279.6686	14	G	8	**926.4583**	463.7331
1380.7163	15	T	7	**869.4369**	435.2223
1481.7640	16	T	6	**768.3892**	384.6985
1644.8273	17	Y	5	**667.3415**	334.1747
1759.8543	18	D	4	**504.2782**	252.6430
1872.9383	19	I	3	**389.2512**	195.1295
1973.9860	20	T	2	**276.1672**	138.5875
	21	R	1	**175.1195**	88.0637

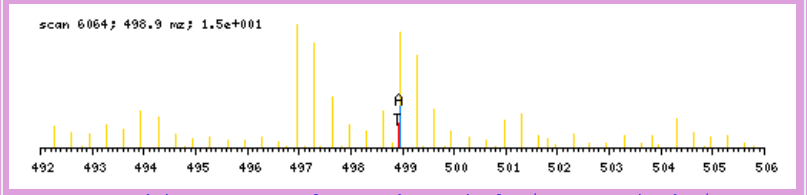
N-term:+29.04

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

APQGSLGEYLFER, MH+ 1494.7592, m/z 498.9246
L OS G13 P120811 220811-s1.06065.06065.3.dta



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



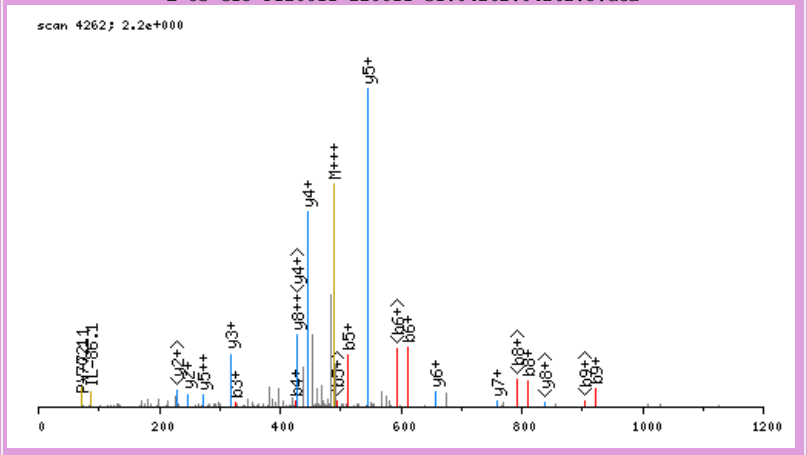
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
197.1290	2	P	12	1395.6909	698.3493
325.1876	3	Q	11	1298.6381	649.8230
382.2090	4	G	10	1170.5795	585.7937
469.2410	5	S	9	1113.5580	557.2829
582.3251	6	L	8	1026.5260	513.7669
639.3466	7	G	7	**913.4420**	457.2249
768.3892	8	E	6	**856.4205**	428.7142
931.4525	9	Y	5	**727.3779**	**364.1929**
1044.5366	10	L	4	**564.3146**	**282.6612**
1191.6050	11	F	3	**451.2305**	**226.1192**
1320.6476	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

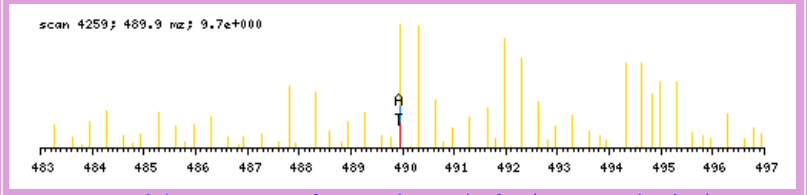
N-term:+29.04

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

APQVSTPTLVEAAR, MH+ 1467.8171, m/z 489.9439
L OS G13 P120811 220811-s1.04262.04262.3.dta



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



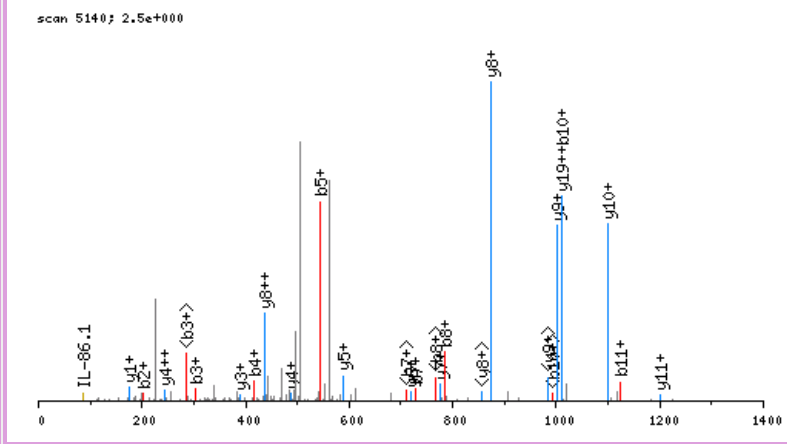
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
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

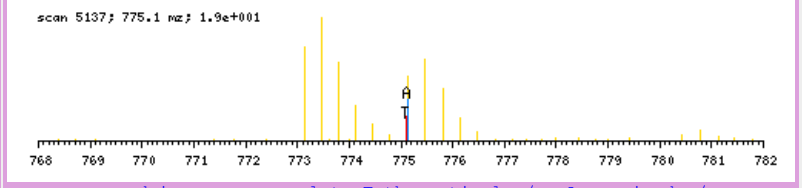
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
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+ 2323.2973, m/z 775.1039
H OS G12 P120811 220811-s1.05140.05140.3.dta



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



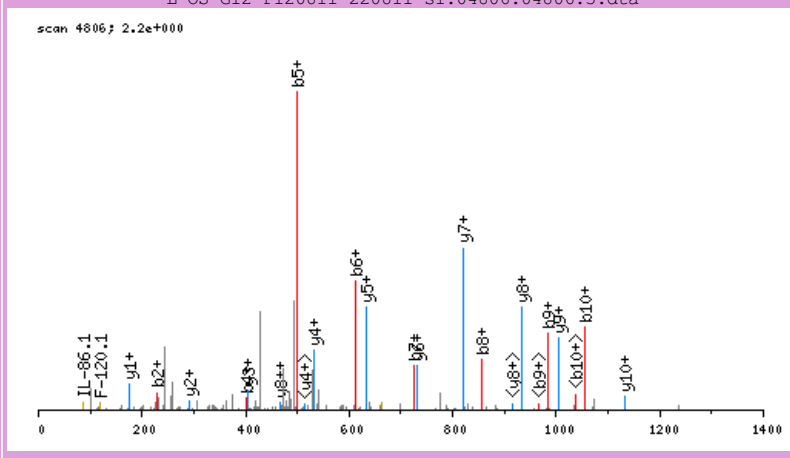
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	22		
203.1608	2	P	21	2218.1971	1109.6025
302.2292	3	V	20	2121.1443	1061.0761
415.3133	4	I	19	2022.0759	**1011.5419**
544.3558	5	E	18	1908.9918	954.9998
641.4086	6	P	17	1779.9493	890.4785
728.4406	7	S	16	1682.8965	841.9522
785.4621	8	G	15	1595.8645	798.4361
882.5149	9	P	14	1538.8430	769.9254
1011.5575	10	E	13	1441.7902	721.3990
1124.6415	11	L	12	1312.7476	656.8777
1223.7099	12	V	11	**1199.6636**	600.3357
1322.7784	13	V	10	**1100.5952**	550.8015
1451.8209	14	E	9	**1001.5267**	501.2673
1548.8737	15	P	8	**872.4842**	**436.7460**
1605.8952	16	G	7	**775.4314**	388.2196
1734.9378	17	E	6	**718.4099**	359.7089
1835.9854	18	T	5	**589.3673**	295.1876
1935.0539	19	V	4	**488.3197**	**244.6637**
2036.1015	20	T	3	**389.2512**	195.1295
2149.1856	21	L	2	288.2036	144.6057
	22	R	1	**175.1195**	88.0637

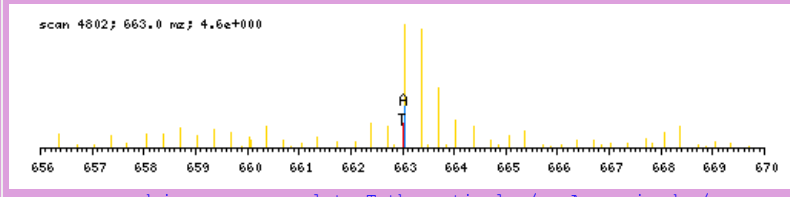
N-term:+35.07

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

AQDGVINEEALSVTELDR, MH+ 1986.9984, m/z 663.0043
L OS G12 P120811 220811-s1.04806.04806.3.dta



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



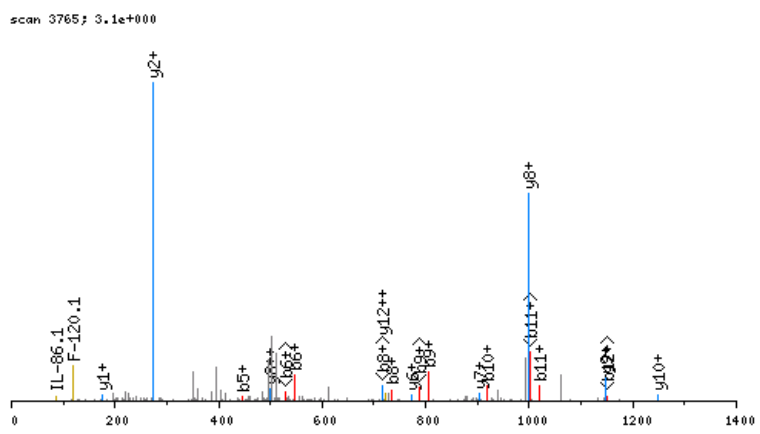
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
228.1348	2	Q	17	1887.9300	944.4689
343.1617	3	D	16	1759.8714	880.4396
400.1832	4	G	15	1644.8445	822.9261
499.2516	5	V	14	1587.8230	794.4154
612.3357	6	I	13	1488.7546	744.8812
726.3786	7	N	12	1375.6705	688.3392
855.4212	8	E	11	1261.6276	631.3177
984.4638	9	E	10	**1132.5850**	566.7964
1055.5009	10	A	9	**1003.5424**	502.2751
1168.5850	11	L	8	**932.5053**	**466.7566**
1255.6170	12	S	7	**819.4212**	410.2145
1354.6854	13	V	6	**732.3892**	366.6985
1455.7331	14	T	5	**633.3208**	317.1643
1584.7757	15	E	4	**532.2731**	266.6405
1697.8597	16	L	3	**403.2305**	202.1192
1812.8867	17	D	2	**290.1464**	145.5771
	18	R	1	**175.1195**	88.0637

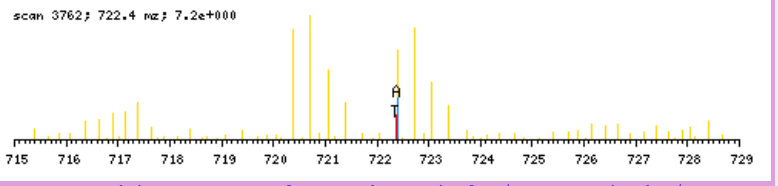
N-term:+29.04

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

AQGPGTTSAITFPEEQEDPR, MH+ 2165.0574, m/z 722.3573
H OS G12 P120811 220811-s1.03765.03765.3.dta



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



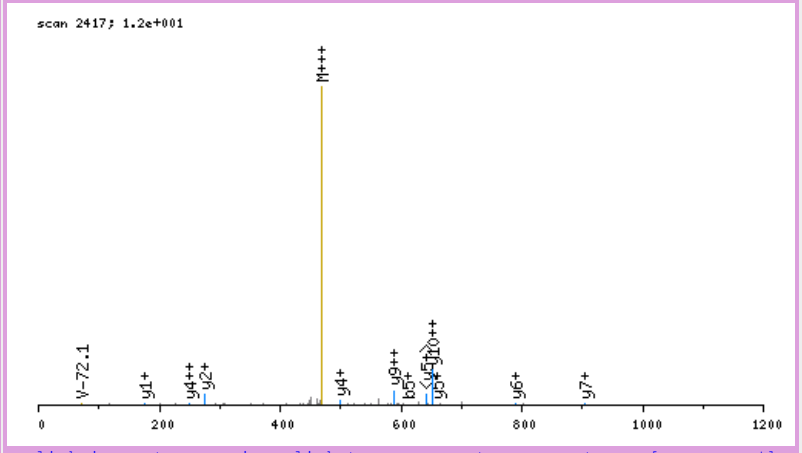
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
234.1666	2	Q	19	2059.9573	1030.4825
291.1881	3	G	18	1931.8987	966.4533
388.2408	4	P	17	1874.8772	937.9425
445.2623	5	G	16	1777.8244	889.4161
546.3100	6	T	15	1720.8030	860.9054
647.3576	7	T	14	1619.7553	810.3816
734.3897	8	S	13	1518.7076	759.8577
805.4268	9	A	12	1431.6756	**716.3417**
918.5108	10	I	11	1360.6385	680.8232
1019.5585	11	T	10	**1247.5544**	624.2811
1166.6269	12	F	9	**1146.5067**	573.7573
1263.6797	13	P	8	**999.4383**	**500.2231**
1392.7223	14	E	7	**902.3856**	451.6967
1521.7649	15	E	6	**773.3430**	387.1754
1649.8235	16	Q	5	644.3004	322.6541
1778.8661	17	E	4	516.2418	258.6248
1893.8930	18	D	3	387.1992	194.1035
1990.9458	19	P	2	**272.1723**	136.5900
	20	R	1	**175.1195**	88.0637

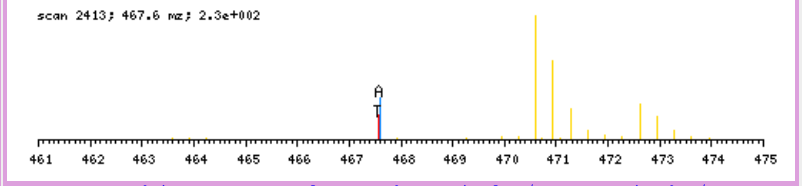
N-term:+35.07

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

AQLKDECPEVR, MH+ 1400.7207, m/z 467.5784
L OS G16 P120811 220811-s1.02417.02417.3.dta



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



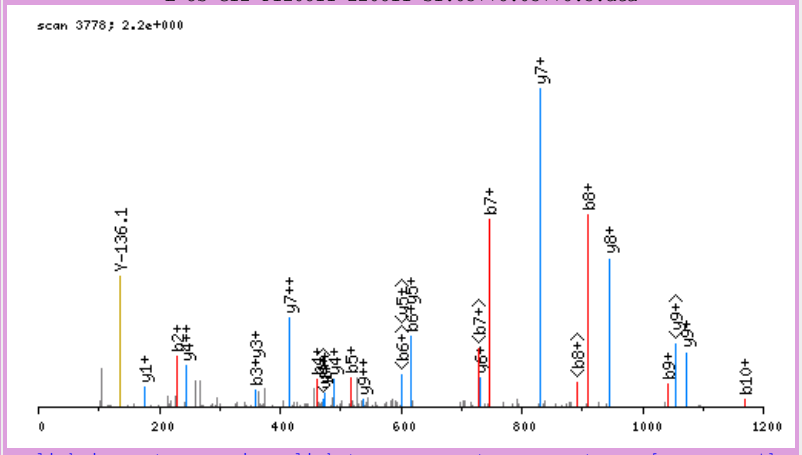
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	11		
228.1348	2	Q	10	1301.6523	**651.3301**
341.2189	3	L	9	1173.5938	**587.3008**
497.3452	4	K	8	1060.5097	530.7588
612.3721	5	D	7	**904.3834**	452.6956
741.4147	6	E	6	**789.3565**	395.1821
901.4453	7	C	5	**660.3139**	330.6608
998.4981	8	P	4	**500.2833**	**250.6455**
1127.5406	9	E	3	403.2305	202.1192
1226.6091	10	V	2	**274.1879**	137.5979
	11	R	1	**175.1195**	88.0637

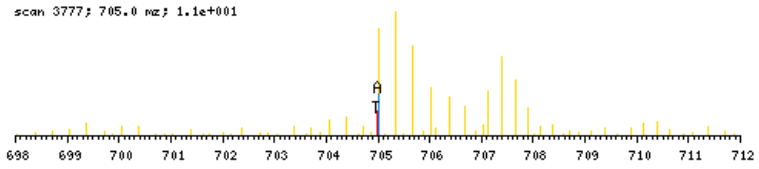
N-term:+29.04 K(4):+156.13
C(7):+160.03

AQMTGTEYMQDPDEEALR, MH+ 2112.9218, m/z 704.9788
L OS G12 P120811 220811-s1.03778.03778.3.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±]

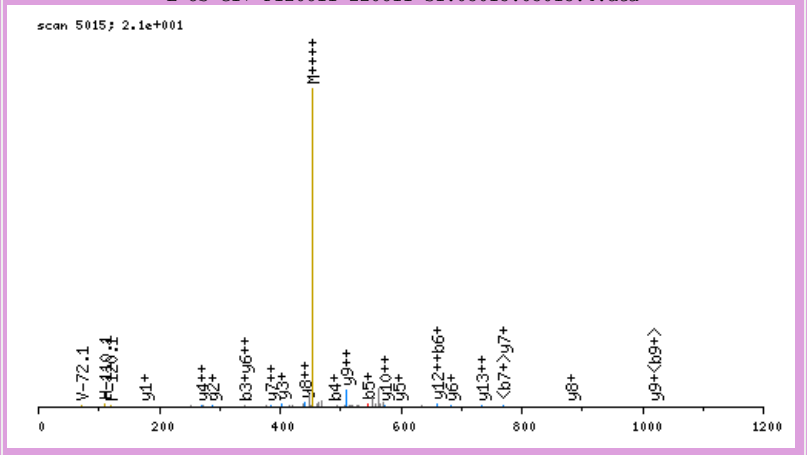


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

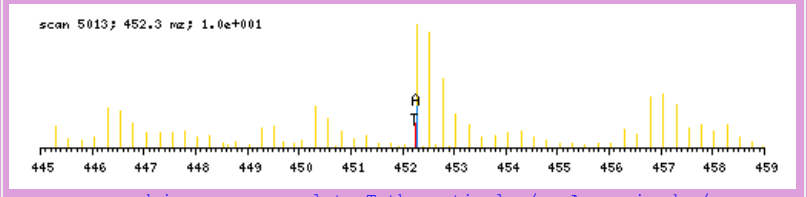
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
228.1348	2	Q	17	2013.8534	1007.4306
359.1753	3	M	16	1885.7948	943.4013
460.2230	4	T	15	1754.7543	877.8811
517.2444	5	G	14	1653.7066	827.3572
618.2921	6	T	13	1596.6852	798.8465
747.3347	7	E	12	1495.6375	748.3227
910.3980	8	Y	11	1366.5949	683.8014
1041.4385	9	M	10	1203.5316	602.2697
1169.4971	10	Q	9	**1072.4911**	**536.7495**
1284.5240	11	D	8	**944.4325**	**472.7202**
1381.5768	12	P	7	**829.4056**	**415.2067**
1496.6037	13	D	6	**732.3528**	366.6803
1625.6463	14	E	5	**617.3259**	309.1668
1754.6889	15	E	4	**488.2833**	**244.6455**
1825.7260	16	A	3	**359.2407**	180.1243
1938.8101	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

N-term:+29.04

AQNFGLQHLSSGHLLR, MH+ 1805.9775, m/z 452.2498
L OS G17 P120811 220811-s1.05015.05015.4.dta



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



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

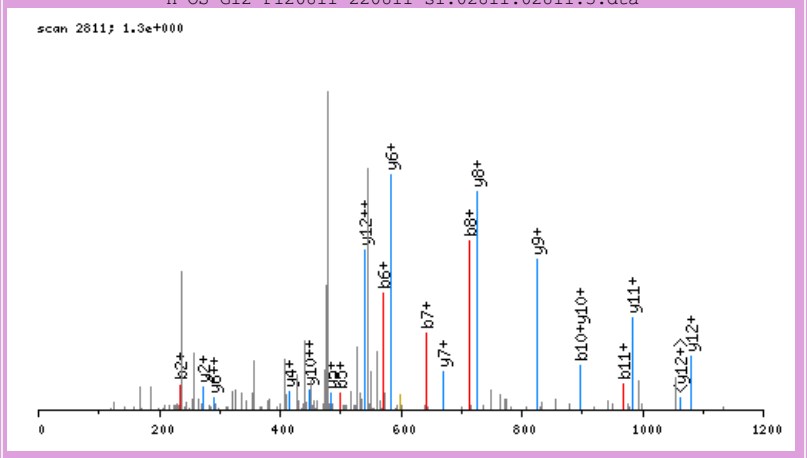
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
228.1348	2	Q	15	1706.9091	853.9584
342.1777	3	N	14	1578.8505	789.9292
489.2461	4	F	13	1464.8076	**732.9077**
546.2676	5	G	12	1317.7391	**659.3735**
659.3517	6	L	11	1260.7177	630.8628
787.4102	7	Q	10	1147.6336	**574.3207**
924.4691	8	H	9	**1019.5750**	**510.2914**
1037.5532	9	L	8	**882.5161**	**441.7620**
1124.5852	10	S	7	**769.4321**	**385.2199**
1211.6173	11	S	6	**682.4000**	**341.7039**
1268.6387	12	G	5	**595.3680**	298.1879
1405.6976	13	H	4	538.3465	**269.6772**
1518.7817	14	L	3	**401.2876**	201.1477
1631.8658	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

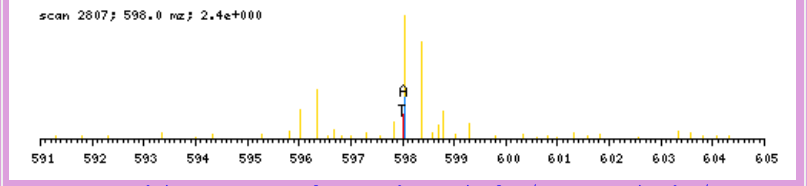
N-term:+29.04

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

AQPPAAAAPSAVGSPAAAPR, MH+ 1791.9929, m/z 598.0025
H OS G12 P120811 220811-s1.02811.02811.3.dta



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



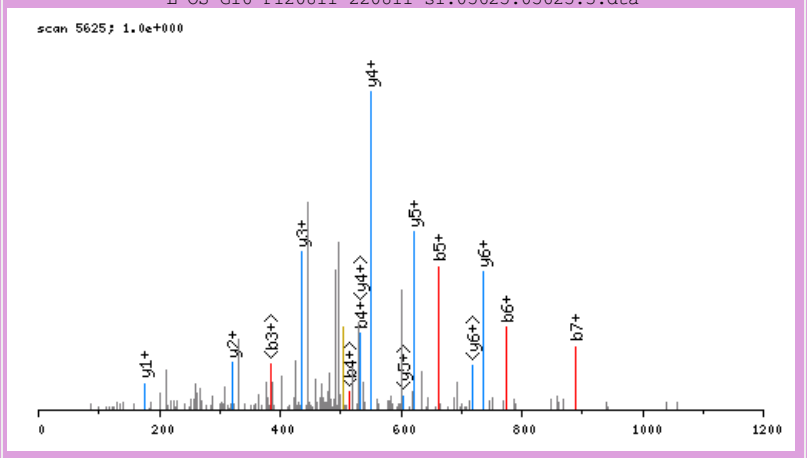
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

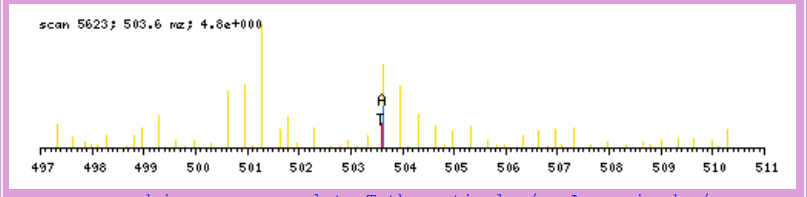
N-term:+35.07

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

ARFEELNADLFR, MH+ 1508.7861, m/z 503.6002
L OS G16 P120811 220811-s1.05625.05625.3.dta



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



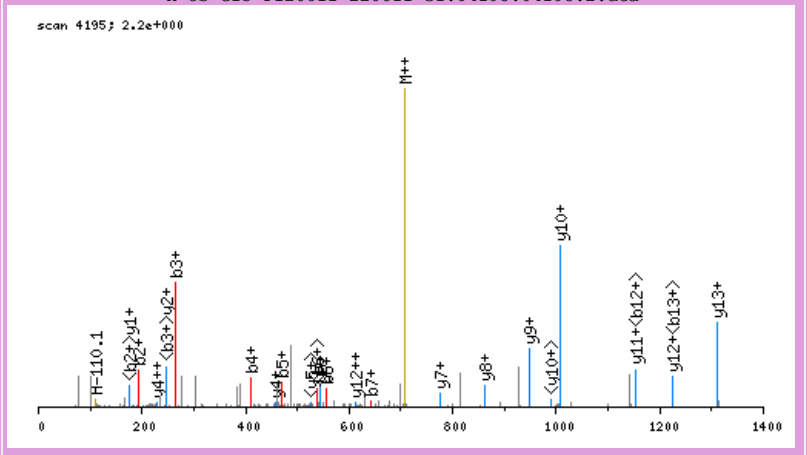
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
256.1773	2	R	11	1409.7177	705.3628
403.2457	3	F	10	1253.6166	627.3122
532.2883	4	E	9	1106.5482	553.7780
661.3309	5	E	8	977.5056	489.2567
774.4150	6	L	7	848.4630	424.7354
888.4579	7	N	6	**735.3790**	368.1934
959.4950	8	A	5	**621.3360**	311.1719
1074.5220	9	D	4	**550.2989**	275.6534
1187.6060	10	L	3	**435.2720**	218.1399
1334.6745	11	F	2	**322.1879**	161.5979
	12	R	1	**175.1195**	88.0637

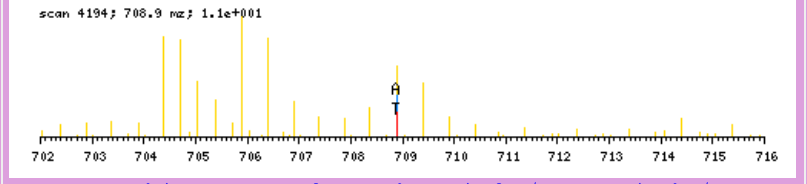
N-term:+29.04

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

ASAFGSSTESLVAR, MH+ 1416.7547, m/z 708.8810
H OS G13 P120811 220811-s1.04195.04195.2.dta



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



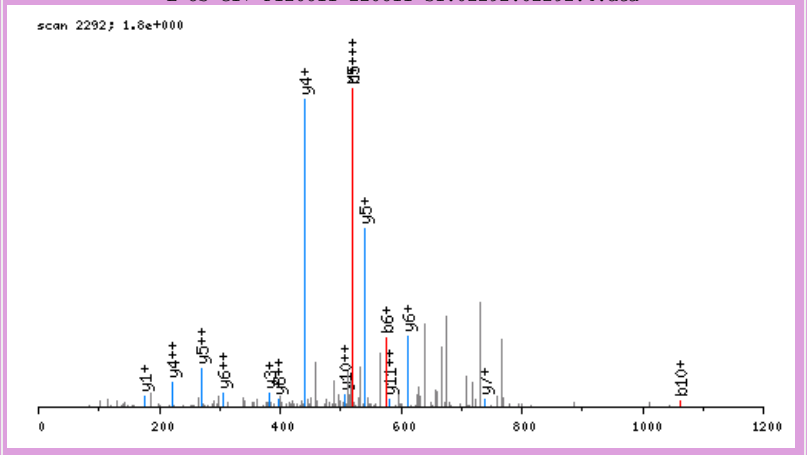
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
193.1400	2	S	13	1311.6545	656.3311
264.1772	3	A	12	1224.6224	612.8151
411.2456	4	F	11	1153.5853	577.2966
468.2670	5	G	10	1006.5169	503.7624
555.2991	6	S	9	949.4954	475.2516
642.3311	7	S	8	862.4634	431.7356
743.3788	8	T	7	775.4314	388.2196
872.4214	9	E	6	674.3837	337.6958
959.4534	10	S	5	545.3411	273.1745
1072.5375	11	L	4	458.3091	229.6585
1171.6059	12	V	3	345.2250	173.1164
1242.6430	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

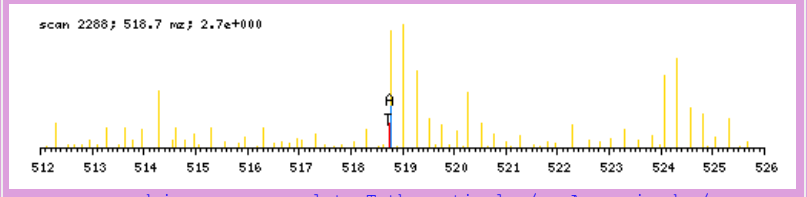
N-term:+35.07

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

ASDSEGHSDFSEGQAVGAHR, MH+ 2071.9069, m/z 518.7322
L OS G17 P120811 220811-s1.02292.02292.4.dta



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



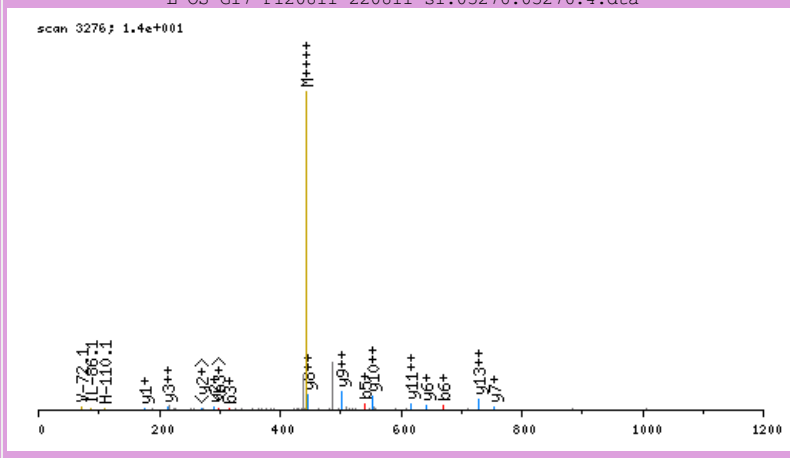
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
187.1082	2	S	19	1972.8385	986.9232
302.1352	3	D	18	1885.8065	943.4072
389.1672	4	S	17	1770.7796	885.8937
518.2098	5	E	16	1683.7475	842.3777
575.2313	6	G	15	1554.7049	777.8564
712.2902	7	H	14	1497.6835	749.3457
799.3222	8	S	13	1360.6246	680.8162
914.3492	9	D	12	1273.5925	637.3002
1061.4176	10	F	11	1158.5656	**579.7867**
1148.4496	11	S	10	1011.4972	**506.2525**
1277.4922	12	E	9	924.4652	462.7365
1334.5137	13	G	8	795.4226	**398.2152**
1462.5722	14	Q	7	**738.4011**	369.7045
1533.6093	15	A	6	**610.3425**	**305.6752**
1632.6778	16	V	5	**539.3054**	**270.1566**
1689.6992	17	G	4	**440.2370**	**220.6224**
1760.7363	18	A	3	**383.2155**	192.1117
1897.7952	19	H	2	312.1784	156.5931
	20	R	1	**175.1195**	88.0637

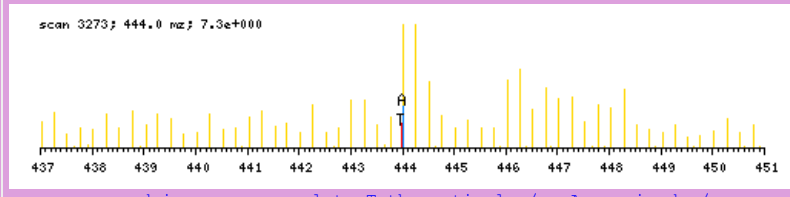
N-term:+29.04

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

ASEPQEVLHIGSAHNR, MH+ 1772.9043, m/z 443.9815
L OS G17 P120811 220811-s1.03276.03276.4.dta



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



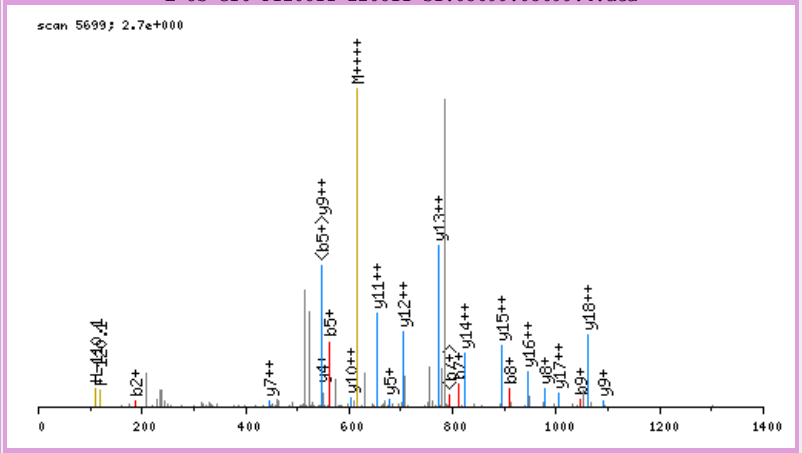
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

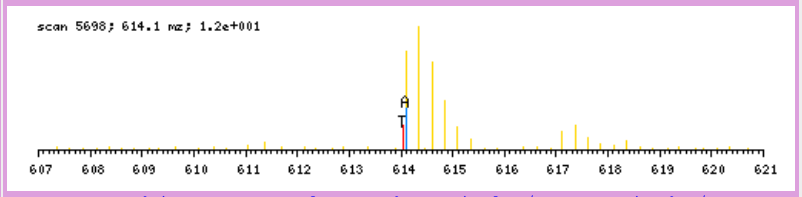
N-term:+29.04

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

ASFNDTFVHVTDLSGKETICR, MH+ 2453.2134, m/z 614.0588
L OS G16 P120811 220811-s1.05699.05699.4.dta



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



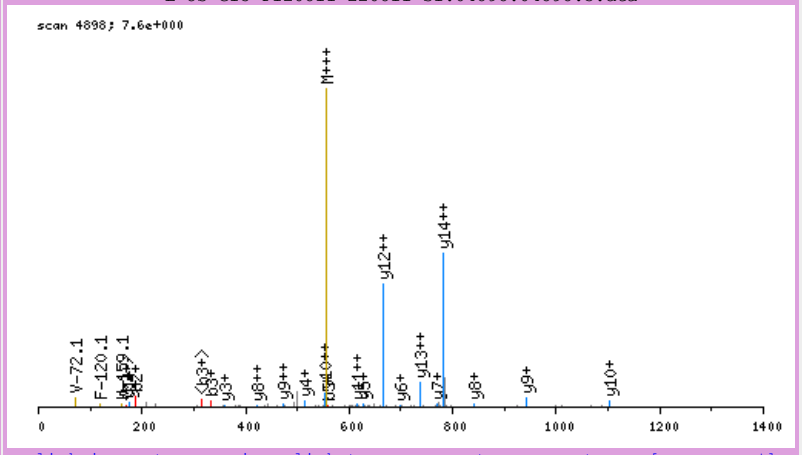
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	21		
187.1082	2	S	20	2354.1451	1177.5764
334.1767	3	F	19	2267.1130	1134.0604
448.2196	4	N	18	2120.0446	1060.5262
563.2465	5	D	17	2006.0017	1003.5048
664.2942	6	T	16	1890.9747	945.9913
811.3626	7	F	15	1789.9271	895.4674
910.4310	8	V	14	1642.8587	821.9332
1047.4899	9	H	13	1543.7902	772.3990
1146.5584	10	V	12	1406.7313	703.8696
1247.6060	11	T	11	1307.6629	654.3354
1362.6330	12	D	10	1206.6152	603.8115
1475.7170	13	L	9	1091.5883	546.2981
1562.7491	14	S	8	978.5042	489.7560
1619.7705	15	G	7	891.4722	446.2400
1775.8968	16	K	6	834.4507	417.7293
1904.9394	17	E	5	678.3244	339.6661
2005.9871	18	T	4	549.2818	275.1448
2119.0712	19	I	3	448.2342	224.6210
2279.1018	20	C	2	335.1501	168.0790
	21	R	1	175.1195	88.0637

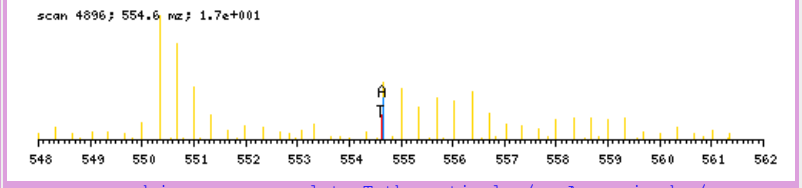
N-term:+29.04 K(16):+156.13
C(20):+160.03

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

ASFPECTAAAIKAIR, MH+ 1661.9049, m/z 554.6398
L OS G15 P120811 220811-s1.04898.04898.3.dta



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



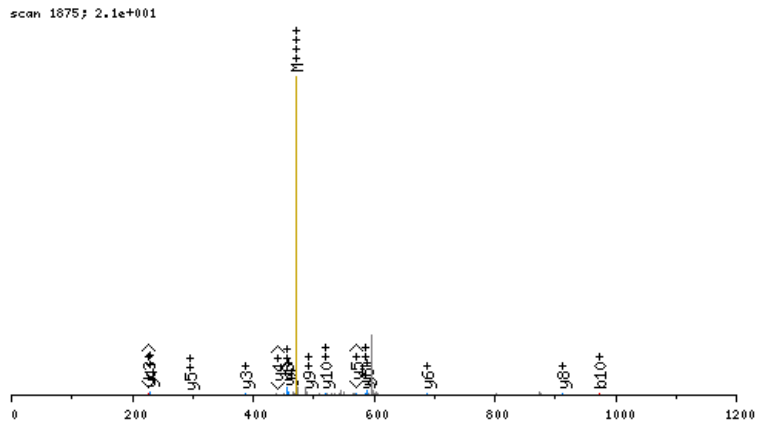
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
187.1082	2	S	14	1562.8365	781.9221
334.1767	3	F	13	1475.8044	738.4061
431.2294	4	P	12	1328.7360	664.8719
560.2720	5	E	11	1231.6833	616.3455
720.3026	6	C	10	1102.6407	551.8242
821.3503	7	T	9	942.6101	471.8089
892.3874	8	A	8	841.5624	421.2851
963.4245	9	A	7	770.5253	385.7665
1034.4616	10	A	6	699.4882	350.2480
1147.5457	11	I	5	628.4510	314.7294
1303.6720	12	K	4	515.3670	258.1874
1374.7091	13	A	3	359.2407	180.1243
1487.7932	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

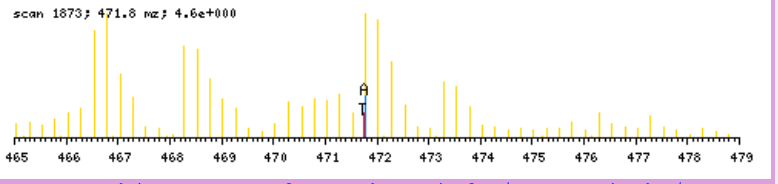
N-term:+29.04 C(6):+160.03
K(12):+156.13

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

ASGDKEAEGAPQVEAGKR, MH+ 1883.9827, m/z 471.7511
L OS G17 P120811 220811-s1.01875.01875.4.dta



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



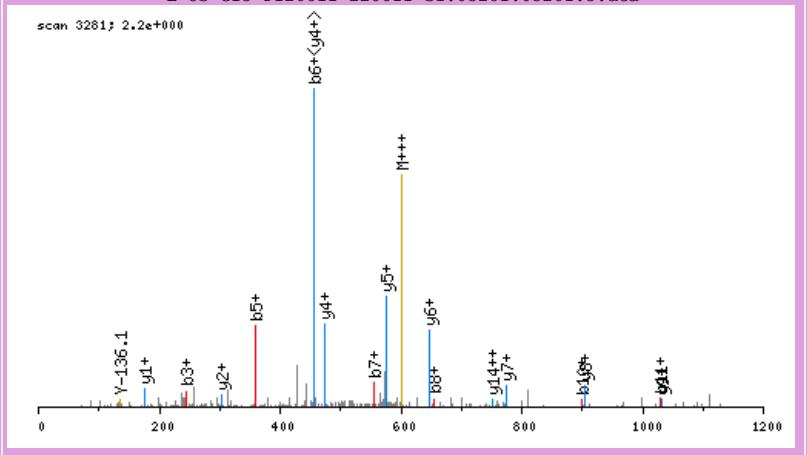
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

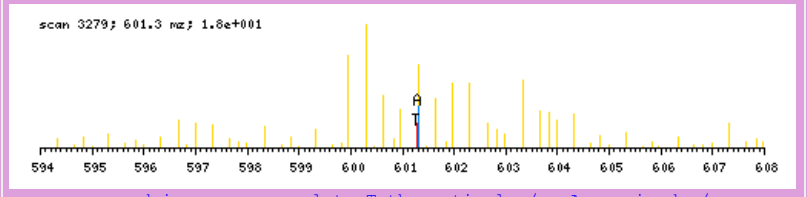
N-term:+29.04 K(5):+156.13
K(17):+156.13

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

ASGGGVPTDEEQATGLER, MH+ 1801.8568, m/z 601.2904
L OS G13 P120811 220811-s1.03281.03281.3.dta



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



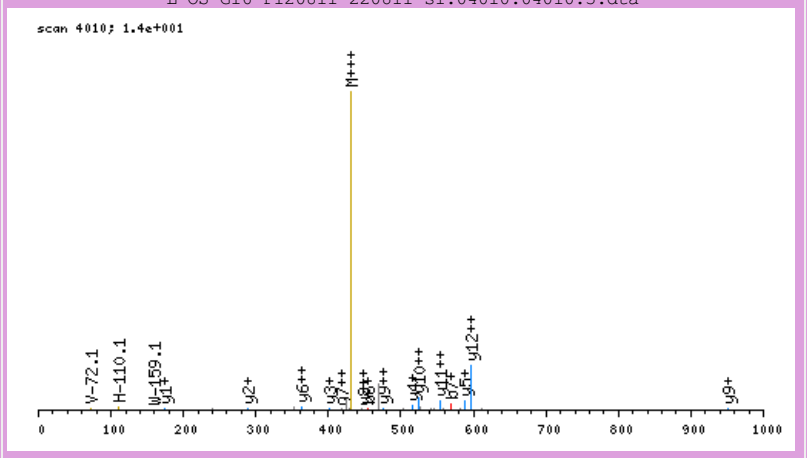
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

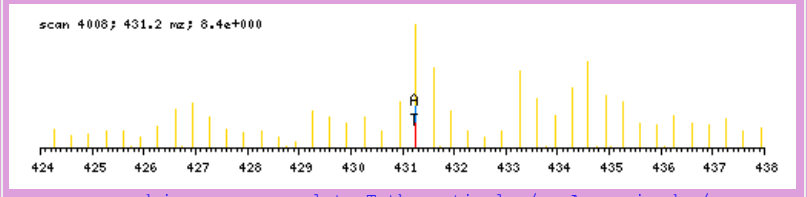
N-term:+29.04

ASGPGGLHADLLR, MH+ 1291.7122, m/z 431.2423
L OS G16 P120811 220811-s1.04010.04010.3.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±]



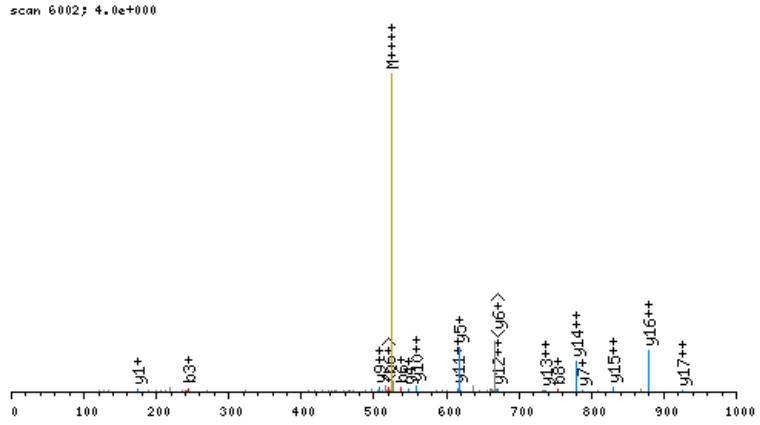
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
187.1082	2	S	12	1192.6438	**596.8258**
244.1297	3	G	11	1105.6118	**553.3098**
341.1825	4	P	10	1048.5904	**524.7991**
398.2039	5	G	9	**951.5376**	**476.2727**
455.2254	6	G	8	894.5161	**447.7620**
568.3095	7	L	7	837.4947	**419.2512**
705.3684	8	H	6	724.4106	**362.7092**
776.4055	9	A	5	**587.3517**	294.1798
891.4324	10	D	4	**516.3146**	258.6612
1004.5165	11	L	3	**401.2876**	201.1477
1117.6006	12	L	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

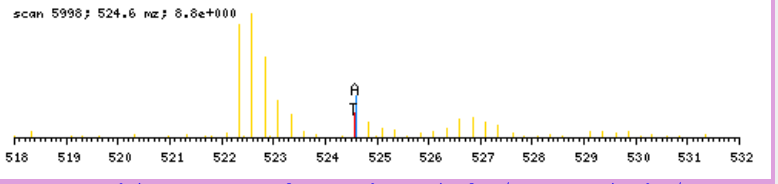
N-term:+29.04

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

ASGPPVSELITKAVAASKER, MH+ 2095.2127, m/z 524.5586
L OS G16 P120811 220811-s1.06002.06002.4.dta



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



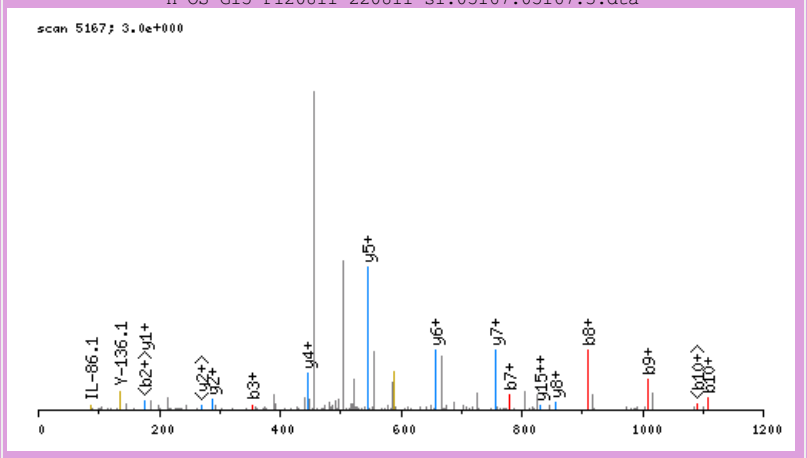
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
187.1082	2	S	19	1996.1443	998.5761
244.1297	3	G	18	1909.1123	955.0601
341.1825	4	P	17	1852.0908	**926.5493**
438.2352	5	P	16	1755.0381	**878.0230**
537.3036	6	V	15	1657.9853	**829.4966**
624.3357	7	S	14	1558.9169	**779.9624**
753.3783	8	E	13	1471.8849	**736.4464**
866.4623	9	L	12	1342.8423	**671.9251**
979.5464	10	I	11	1229.7582	**615.3830**
1080.5941	11	T	10	1116.6742	**558.8410**
1236.7204	12	K	9	1015.6265	**508.3172**
1307.7575	13	A	8	859.5002	430.2540
1406.8259	14	V	7	**788.4631**	394.7354
1477.8630	15	A	6	689.3946	345.2012
1548.9001	16	A	5	**618.3575**	309.6827
1635.9322	17	S	4	**547.3204**	274.1641
1792.0585	18	K	3	460.2884	230.6481
1921.1011	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

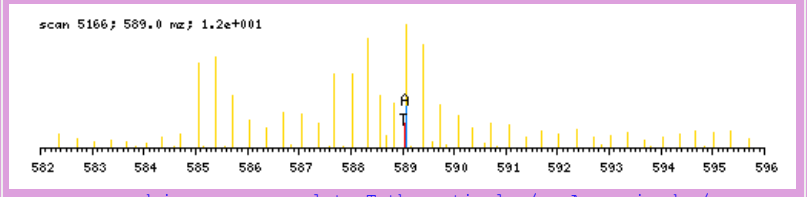
N-term:+29.04 K(12):+156.13
K(18):+156.13

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

ASKPTLNEVVIVSAIR, MH+ 1765.1224, m/z 589.0456
H OS G15 P120811 220811-s1.05167.05167.3.dta



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



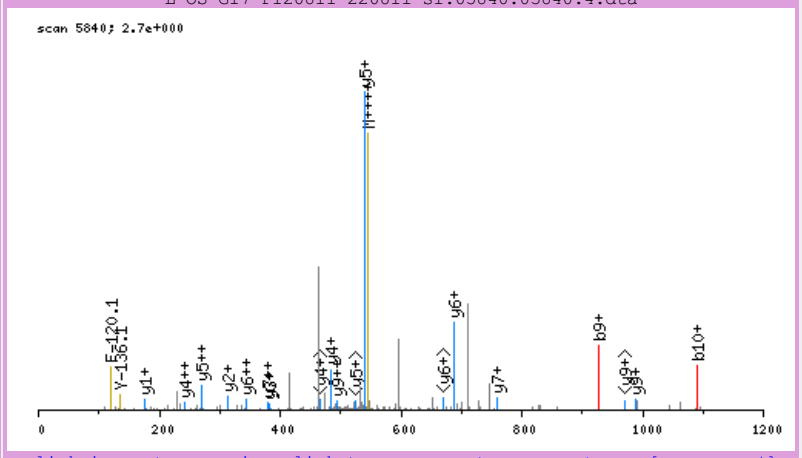
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
193.1400	2	S	15	1660.0222	**830.5150**
355.2981	3	K	14	1572.9901	786.9990
452.3509	4	P	13	1410.8320	705.9199
553.3986	5	T	12	1313.7793	657.3936
666.4826	6	L	11	1212.7316	606.8697
780.5256	7	N	10	1099.6475	550.3277
909.5682	8	E	9	985.6046	493.3062
1008.6366	9	V	8	**856.5620**	428.7849
1107.7050	10	V	7	**757.4936**	379.2507
1220.7891	11	I	6	**658.4252**	329.7165
1319.8575	12	V	5	**545.3411**	273.1745
1406.8895	13	S	4	**446.2727**	223.6403
1477.9266	14	A	3	359.2407	180.1243
1591.0107	15	I	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

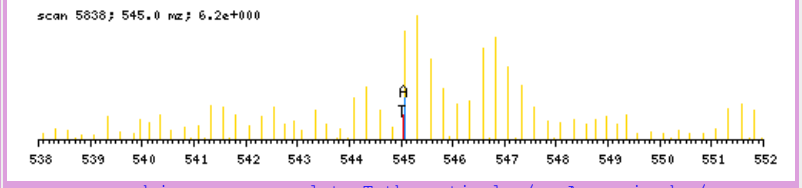
N-term:+35.07 K(3):+162.16

ASLSKLGDVYVNDAFGTAHR, MH+ 2177.1355, m/z 545.0393
L OS G17 P120811 220811-s1.05840.05840.4.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±]



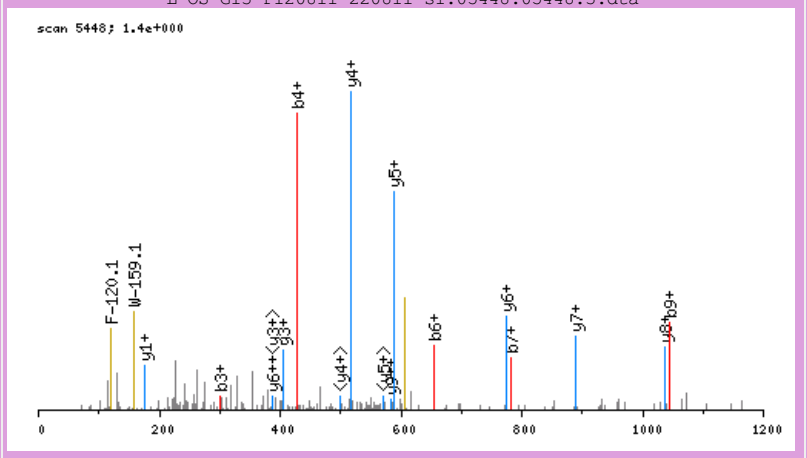
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
187.1082	2	S	19	2078.0671	1039.5375
300.1923	3	L	18	1991.0351	996.0215
387.2243	4	S	17	1877.9510	939.4794
543.3506	5	K	16	1790.9190	895.9634
656.4347	6	L	15	1634.7927	817.9003
713.4562	7	G	14	1521.7086	761.3582
828.4831	8	D	13	1464.6872	732.8475
927.5515	9	V	12	1349.6602	675.3340
1090.6148	10	Y	11	1250.5918	625.7998
1189.6833	11	V	10	1087.5285	544.2682
1303.7262	12	N	9	**988.4601**	**494.7339**
1418.7531	13	D	8	874.4171	437.7125
1489.7902	14	A	7	**759.3902**	**380.1990**
1636.8587	15	F	6	**688.3531**	**344.6805**
1693.8801	16	G	5	**541.2847**	**271.1462**
1794.9278	17	T	4	**484.2632**	**242.6355**
1865.9649	18	A	3	**383.2155**	192.1117
2003.0238	19	H	2	**312.1784**	156.5931
	20	R	1	**175.1195**	88.0637

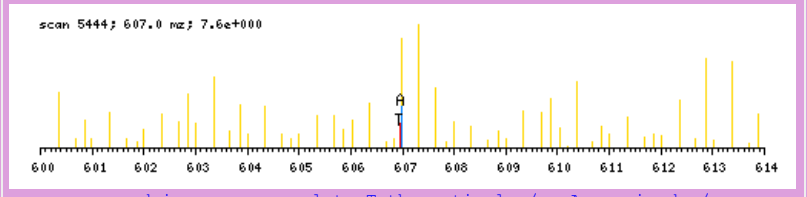
N-term:+29.04 K(5):+156.13

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

ASNQPEQFDWAINDR, MH+ 1818.8411, m/z 606.9519
L OS G13 P120811 220811-s1.05448.05448.3.dta



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



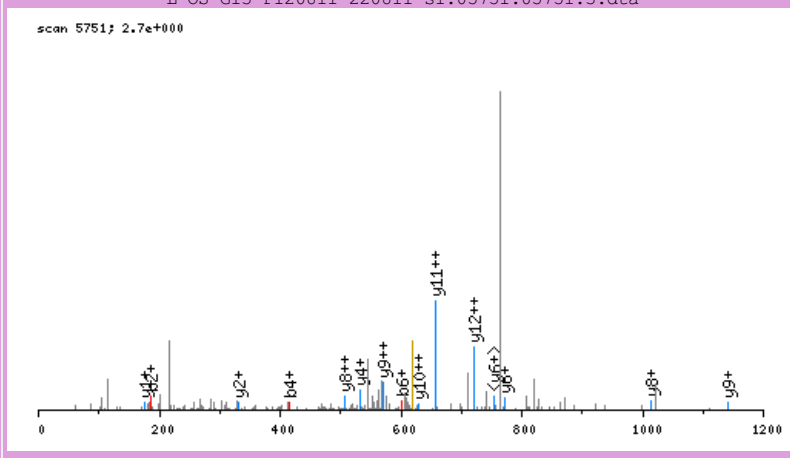
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
187.1082	2	S	14	1719.7727	860.3903
301.1512	3	N	13	1632.7407	816.8742
429.2097	4	Q	12	1518.6977	759.8528
526.2625	5	P	11	1390.6392	695.8235
655.3051	6	E	10	1293.5864	647.2971
783.3637	7	Q	9	1164.5438	**582.7758**
930.4321	8	F	8	**1036.4852**	518.7465
1045.4590	9	D	7	**889.4168**	445.2123
1231.5384	10	W	6	**774.3899**	**387.6988**
1302.5755	11	A	5	**588.3105**	294.6592
1415.6595	12	I	4	**517.2734**	259.1406
1529.7025	13	N	3	**404.1894**	202.5986
1644.7294	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

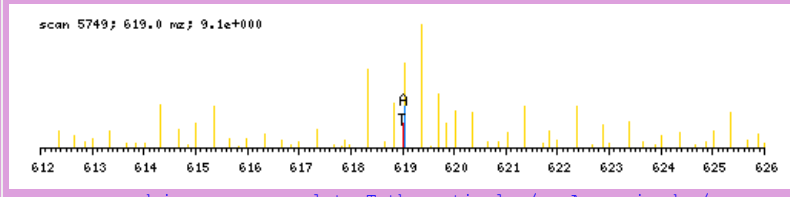
N-term:+29.04

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

ASQTQGIQQLLQAEKR, MH+ 1855.0401, m/z 619.0182
L OS G13 P120811 220811-s1.05751.05751.3.dta



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



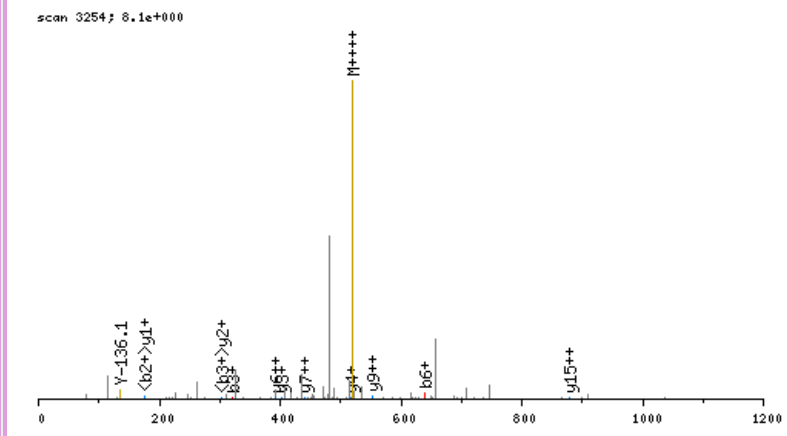
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

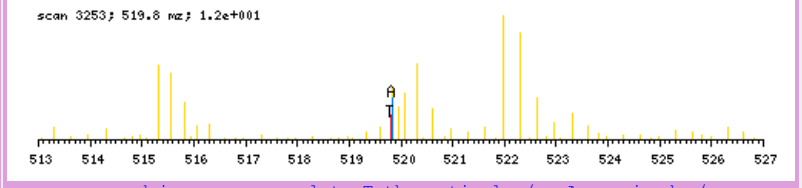
N-term:+29.04 K(15):+156.13

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+ 2076.2037, m/z 519.8064
H OS G16 P120811 220811-s1.03254.03254.4.dta



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



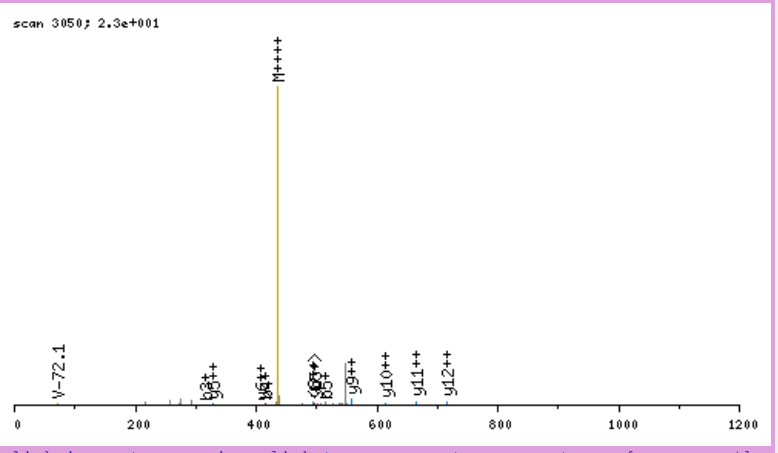
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	18		
193.1400	2	S	17	1971.1035	986.0557
321.1986	3	Q	16	1884.0715	942.5397
422.2463	4	T	15	1756.0129	**878.5104**
523.2940	5	T	14	1654.9652	827.9865
638.3209	6	D	13	1553.9176	777.4627
695.3424	7	G	12	1438.8906	719.9492
857.5005	8	K	11	1381.8692	691.4385
970.5845	9	L	10	1219.7111	610.3594
1067.6373	10	P	9	1106.6270	**553.8174**
1196.6799	11	E	8	1009.5742	505.2910
1295.7483	12	V	7	880.5316	**440.7697**
1396.7960	13	T	6	781.4632	**391.2355**
1558.9541	14	K	5	680.4156	340.7117
1673.9810	15	D	4	**518.2575**	259.6326
1773.0495	16	V	3	**403.2305**	202.1192
1902.0920	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

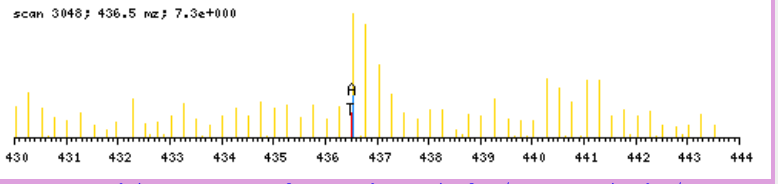
N-term:+35.07 K(8):+162.16
K(14):+162.16

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

ASQVTLEGDKVKVER, MH+ 1743.0017, m/z 436.5059
L OS G17 P120811 220811-s1.03050.03050.4.dta



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



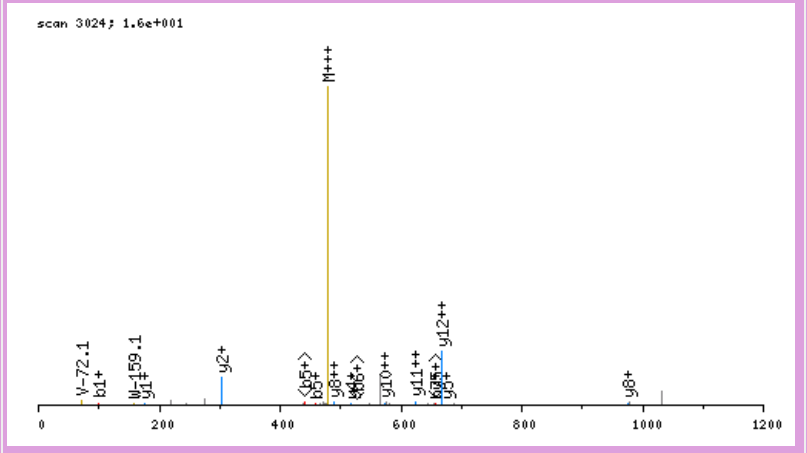
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
187.1082	2	S	14	1643.9333	822.4706
315.1668	3	Q	13	1556.9013	778.9545
414.2352	4	V	12	1428.8427	**714.9253**
515.2829	5	T	11	1329.7743	**665.3910**
628.3670	6	L	10	1228.7266	**614.8672**
757.4096	7	E	9	1115.6425	**558.3252**
814.4310	8	G	8	986.5999	**493.8039**
929.4580	9	D	7	929.5785	465.2931
1085.5843	10	K	6	814.5515	**407.7797**
1184.6527	11	V	5	658.4252	**329.7165**
1340.7790	12	K	4	559.3568	280.1823
1439.8474	13	V	3	403.2305	202.1192
1568.8900	14	E	2	304.1621	152.5850
	15	R	1	175.1195	88.0637

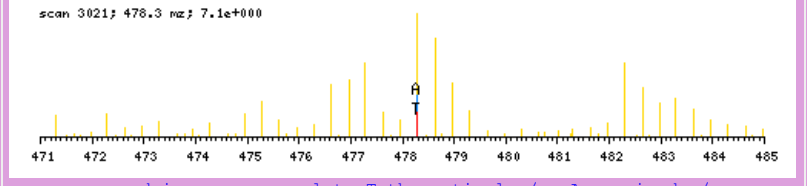
N-term:+29.04 K(10):+156.13
K(12):+156.13

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

ASTGLSLTKVDER, MH+ 1432.8011, m/z 478.2719
L OS G15 P120811 220811-s1.03024.03024.3.dta



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



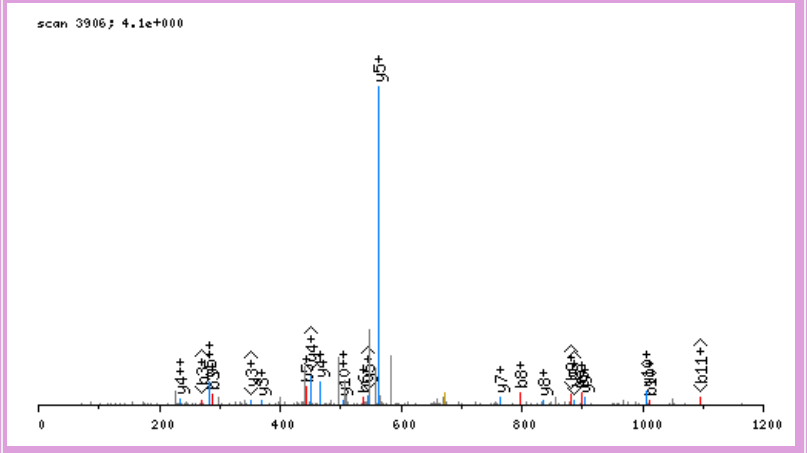
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	**1**	**A**	**13**		
187.1082	**2**	**S**	**12**	1333.7328	**667.3703**
288.1559	**3**	**T**	**11**	1246.7007	**623.8543**
345.1774	**4**	**G**	**10**	1145.6530	**573.3304**
458.2614	**5**	**L**	**9**	1088.6316	544.8197
545.2935	**6**	**S**	**8**	**975.5475**	**488.2777**
658.3775	**7**	**L**	**7**	888.5155	444.7617
759.4252	**8**	**T**	**6**	775.4314	388.2196
915.5515	**9**	**K**	**5**	**674.3838**	337.6958
1014.6199	**10**	**V**	**4**	**518.2575**	259.6326
1129.6469	**11**	**D**	**3**	419.1890	210.0984
1258.6895	**12**	**E**	**2**	**304.1621**	152.5850
	13	**R**	**1**	**175.1195**	88.0637

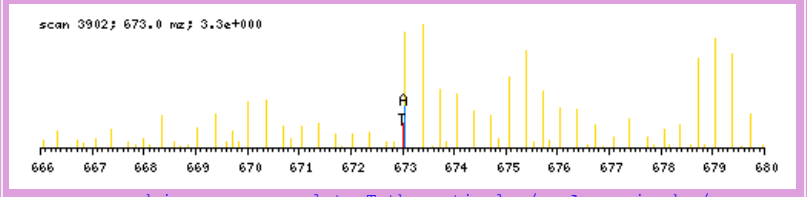
N-term:+29.04 K(9):+156.13

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

ASTPGPEETLTAATVPPPPR, MH+ 2017.0606, m/z 673.0250
L OS G12 P120811 220811-s1.03906.03906.3.dta



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



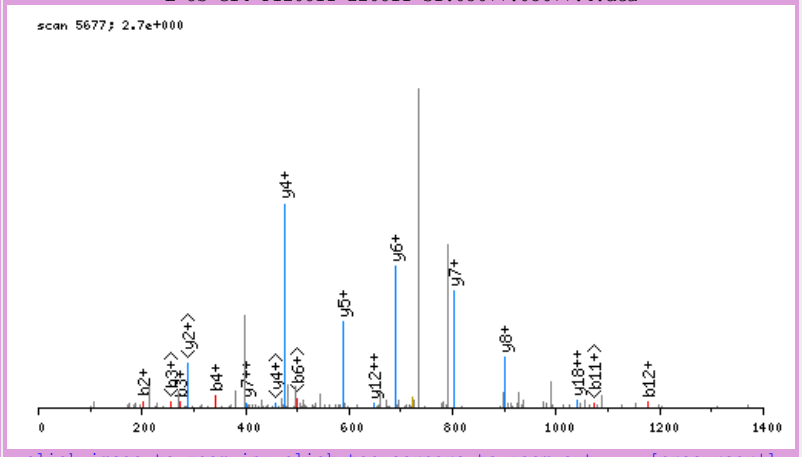
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
187.1082	2	S	19	1917.9922	959.5000
288.1559	3	T	18	1830.9602	915.9840
385.2087	4	P	17	1729.9125	865.4602
442.2301	5	G	16	1632.8597	816.9338
539.2829	6	P	15	1575.8382	788.4230
668.3255	7	E	14	1478.7855	739.8967
797.3681	8	E	13	1349.7429	675.3754
898.4158	9	T	12	1220.7003	610.8541
1011.4998	10	L	11	1119.6526	560.3302
1112.5475	11	T	10	**1006.5686**	**503.7882**
1183.5846	12	A	9	**905.5209**	453.2644
1254.6217	13	A	8	**834.4838**	417.7458
1355.6694	14	T	7	**763.4466**	382.2272
1454.7378	15	V	6	662.3990	331.7034
1551.7906	16	P	5	**563.3306**	**282.1692**
1648.8434	17	P	4	**466.2778**	**233.6428**
1745.8961	18	P	3	**369.2250**	185.1164
1842.9489	19	P	2	272.1723	136.5900
	20	R	1	175.1195	88.0637

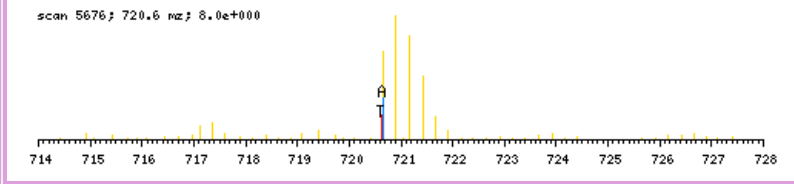
N-term:+29.04

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

ATAASSSSLEKSYELPDGQVITIGNER, MH+ 2879.4638, m/z 720.6214
L OS G14 P120811 220811-s1.05677.05677.4.dta



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



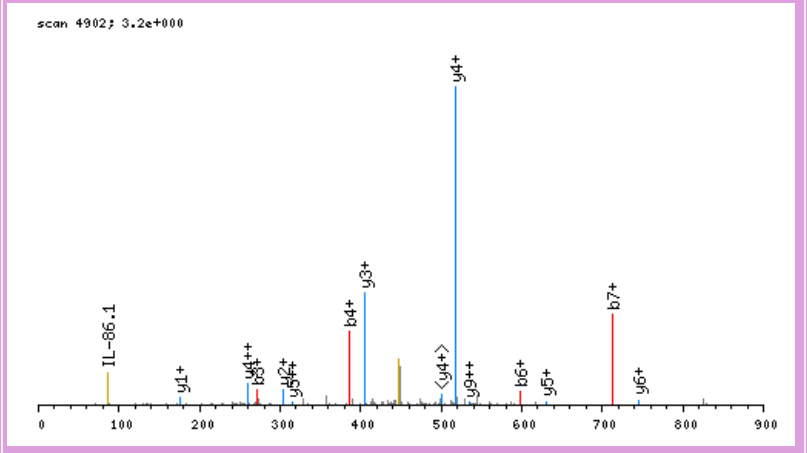
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	27		
201.1239	2	T	26	2780.3954	1390.7016
272.1610	3	A	25	2679.3478	1340.1778
343.1981	4	A	24	2608.3107	1304.6592
430.2301	5	S	23	2537.2735	1269.1407
517.2622	6	S	22	2450.2415	1225.6247
604.2942	7	S	21	2363.2095	1182.1087
691.3262	8	S	20	2276.1775	1138.5926
804.4103	9	L	19	2189.1454	1095.0766
933.4529	10	E	18	2076.0614	**1038.5346**
1089.5792	11	K	17	1947.0188	974.0133
1176.6112	12	S	16	1790.8925	895.9501
1339.6745	13	Y	15	1703.8604	852.4341
1468.7171	14	E	14	1540.7971	770.9025
1581.8012	15	L	13	1411.7545	706.3812
1678.8540	16	P	12	1298.6705	**649.8391**
1793.8809	17	D	11	1201.6177	601.3128
1850.9024	18	G	10	1086.5907	543.7993
1978.9610	19	Q	9	1029.5693	515.2886
2078.0294	20	V	8	**901.5107**	451.2593
2191.1134	21	I	7	**802.4423**	**401.7251**
2292.1611	22	T	6	**689.3582**	345.1830
2405.2452	23	I	5	**588.3105**	294.6592
2462.2666	24	G	4	**475.2265**	238.1172
2576.3096	25	N	3	418.2050	209.6064
2705.3522	26	E	2	304.1621	152.5850
	27	R	1	175.1195	88.0637

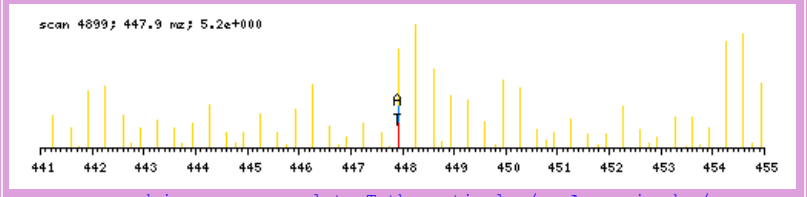
N-term:+29.04 K(11):+156.13

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

ATALPDDIITQR, MH+ 1341.7378, m/z 447.9174
L OS G13 P120811 220811-s1.04902.04902.3.dta



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



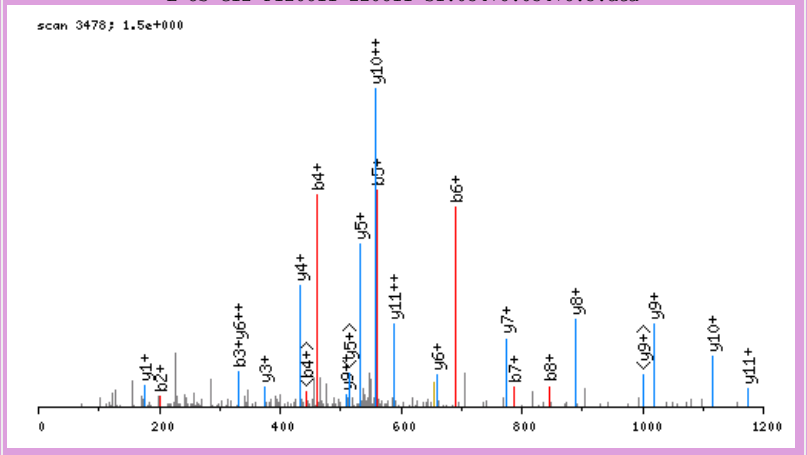
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
201.1239	2	T	11	1242.6694	621.8386
272.1610	3	A	10	1141.6217	571.3148
385.2451	4	L	9	1070.5846	**535.7962**
482.2978	5	P	8	957.5005	479.2542
597.3248	6	D	7	860.4478	430.7278
712.3517	7	D	6	**745.4208**	373.2143
825.4358	8	I	5	**630.3939**	**315.7009**
938.5198	9	I	4	**517.3098**	**259.1588**
1039.5675	10	T	3	**404.2258**	202.6168
1167.6261	11	Q	2	**303.1781**	152.0930
	12	R	1	**175.1195**	88.0637

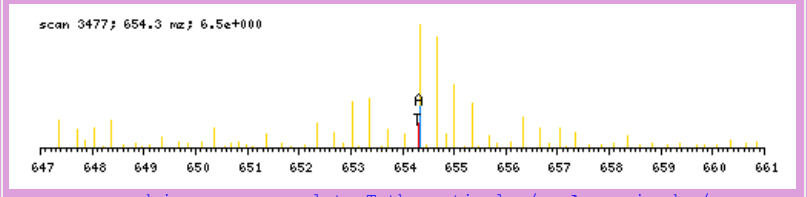
N-term:+29.04

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

ATEMVEVGPEDDEVGAER, MH+ 1960.8810, m/z 654.2985
L OS G12 P120811 220811-s1.03478.03478.3.dta



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



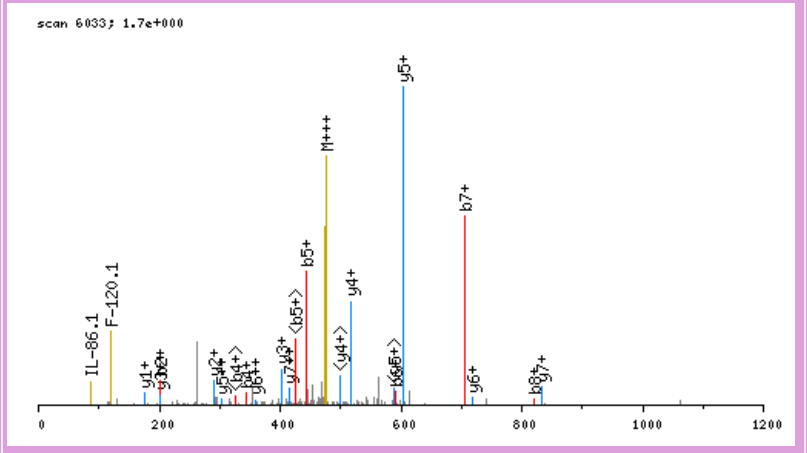
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

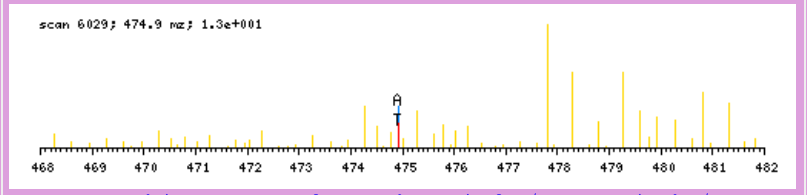
N-term:+29.04

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

ATGSVFDISNLDR, MH+ 1422.7229, m/z 474.9125
L OS G13 P120811 220811-s1.06033.06033.3.dta



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



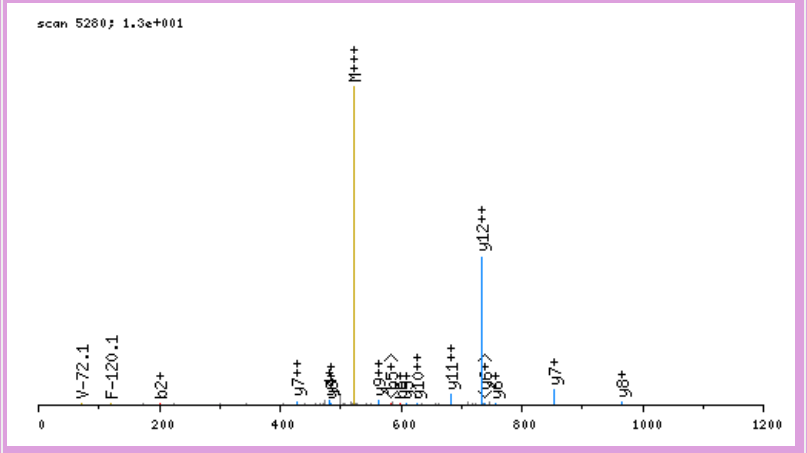
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
201.1239	2	T	12	1323.6545	662.3311
258.1454	3	G	11	1222.6068	611.8073
345.1774	4	S	10	1165.5853	583.2966
444.2458	5	V	9	1078.5533	539.7806
591.3142	6	F	8	979.4849	490.2464
706.3412	7	D	7	**832.4165**	**416.7121**
819.4252	8	I	6	**717.3895**	**359.1987**
906.4572	9	S	5	**604.3055**	**302.6566**
1020.5002	10	N	4	**517.2734**	259.1406
1133.5842	11	L	3	**403.2305**	**202.1192**
1248.6112	12	D	2	**290.1464**	145.5771
	13	R	1	**175.1195**	88.0637

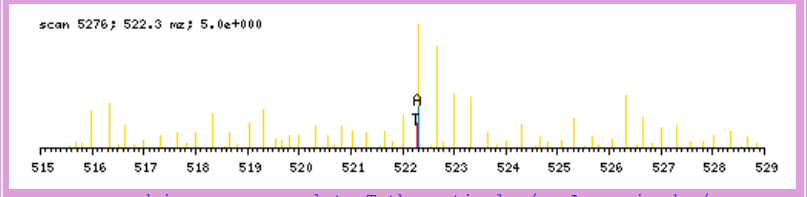
N-term:+29.04

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

ATIEKIPFESAFR, MH+ 1564.8739, m/z 522.2962
L OS G15 P120811 220811-s1.05280.05280.3.dta



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



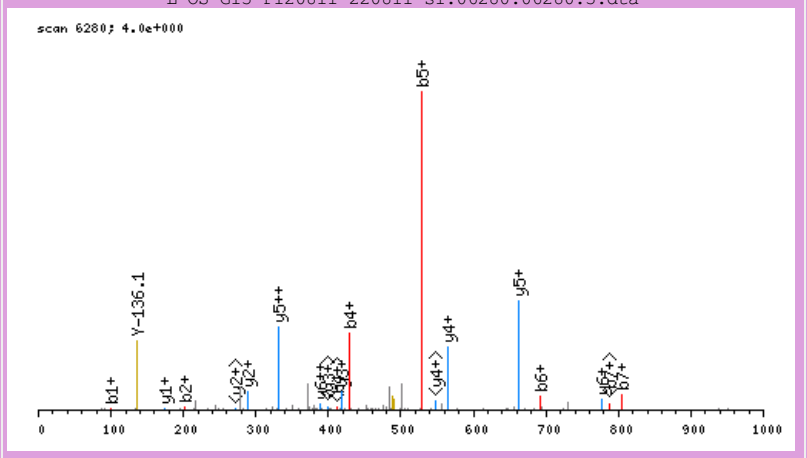
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
201.1239	2	T	12	1465.8055	733.4067
314.2080	3	I	11	1364.7578	682.8828
443.2505	4	E	10	1251.6738	626.3408
599.3768	5	K	9	1122.6312	561.8195
712.4609	6	I	8	966.5049	483.7564
809.5137	7	P	7	853.4208	427.2143
956.5821	8	F	6	756.3681	378.6879
1085.6247	9	E	5	609.2997	305.1537
1172.6567	10	S	4	480.2571	240.6324
1243.6938	11	A	3	393.2250	197.1164
1390.7622	12	F	2	322.1879	161.5979
	13	R	1	175.1195	88.0637

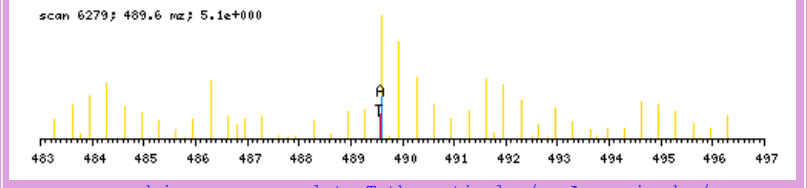
N-term:+29.04 K(5):+156.13

ATLDVYNPFENR, MH+ 1466.7279, m/z 489.5808
L OS G13 P120811 220811-s1.06280.06280.3.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±]



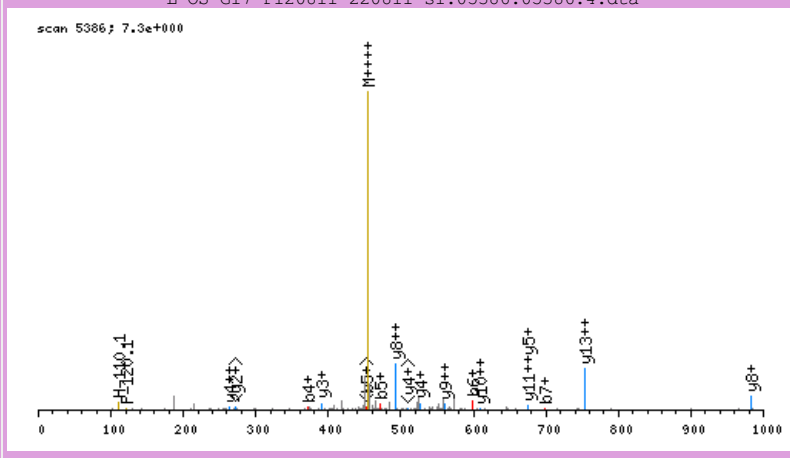
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
201.1239	2	T	11	1367.6596	684.3337
314.2080	3	L	10	1266.6119	633.8099
429.2349	4	D	9	1153.5278	577.2678
528.3033	5	V	8	1038.5009	519.7543
691.3666	6	Y	7	939.4325	470.2201
805.4096	7	N	6	776.3691	388.6885
902.4623	8	P	5	662.3262	331.6670
1049.5307	9	F	4	565.2734	283.1406
1178.5733	10	E	3	418.2050	209.6064
1292.6163	11	N	2	289.1624	145.0851
	12	R	1	175.1195	88.0637

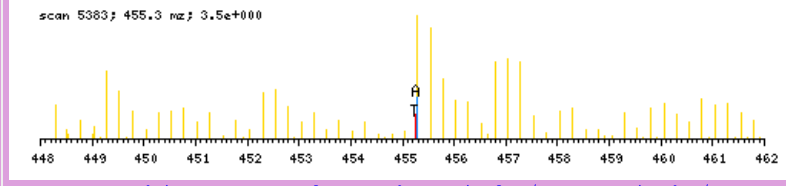
N-term:+29.04

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

ATLGVEVHPLVFHTNR, MH+ 1818.0026, m/z 455.2561
L OS G17 P120811 220811-s1.05386.05386.4.dta



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



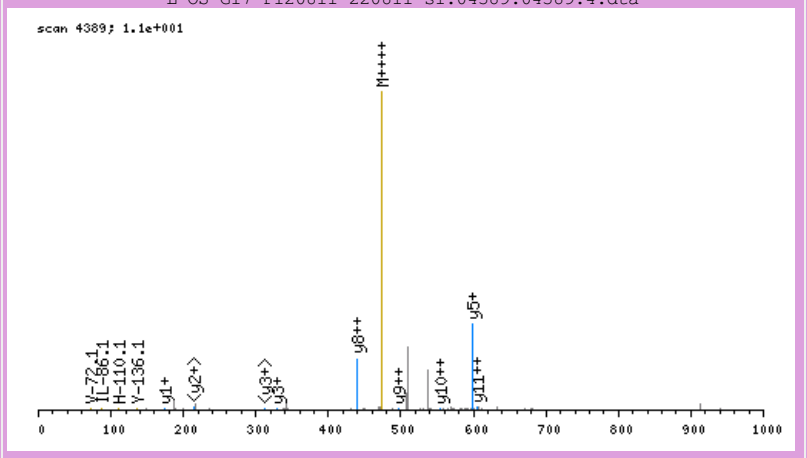
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
201.1239	2	T	15	1718.9342	859.9710
314.2080	3	L	14	1617.8865	809.4472
371.2294	4	G	13	1504.8025	**752.9051**
470.2978	5	V	12	1447.7810	724.3944
599.3404	6	E	11	1348.7126	**674.8602**
698.4088	7	V	10	1219.6700	**610.3389**
835.4678	8	H	9	1120.6016	**560.8047**
932.5205	9	P	8	**983.5427**	**492.2752**
1045.6046	10	L	7	886.4899	443.7489
1144.6730	11	V	6	773.4058	387.2068
1291.7414	12	F	5	**674.3374**	337.6726
1428.8003	13	H	4	**527.2690**	**264.1384**
1529.8480	14	T	3	**390.2101**	195.6090
1643.8909	15	N	2	289.1624	145.0851
	16	R	1	175.1195	88.0637

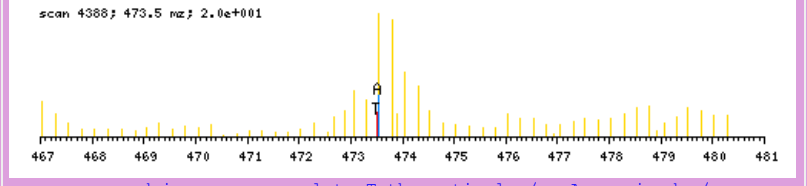
N-term:+29.04

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

ATNRPDTLDPALLRPGR, MH+ 1891.0513, m/z 473.5183
L OS G17 P120811 220811-s1.04389.04389.4.dta



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



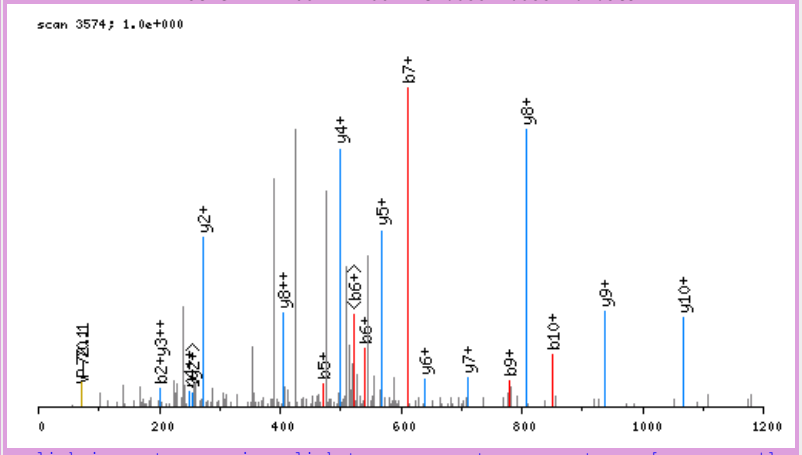
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
201.1239	2	T	16	1791.9830	896.4954
315.1668	3	N	15	1690.9353	845.9716
471.2679	4	R	14	1576.8923	788.9501
568.3207	5	P	13	1420.7912	710.8995
683.3476	6	D	12	1323.7385	662.3731
784.3953	7	T	11	1208.7115	**604.8597**
897.4794	8	L	10	1107.6639	**554.3358**
1012.5063	9	D	9	994.5798	**497.7938**
1109.5591	10	P	8	879.5528	**440.2803**
1180.5962	11	A	7	782.5001	391.7540
1293.6803	12	L	6	711.4630	356.2354
1406.7643	13	L	5	**598.3789**	299.6934
1562.8654	14	R	4	485.2948	243.1513
1659.9182	15	P	3	**329.1937**	165.1008
1716.9397	16	G	2	232.1410	116.5744
	17	R	1	**175.1195**	88.0637

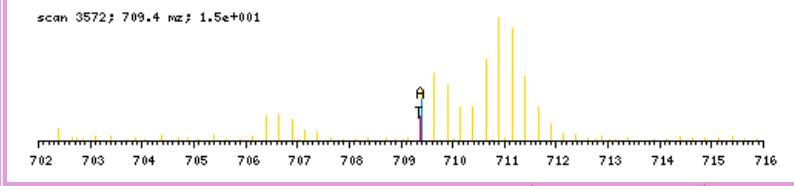
N-term:+29.04

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

ATPATAAPAAVSAATTTSAQEEPAAAPEPR, MH+ 2834.4172, m/z 709.3598
L OS G12 P120811 220811-s1.03574.03574.4.dta



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



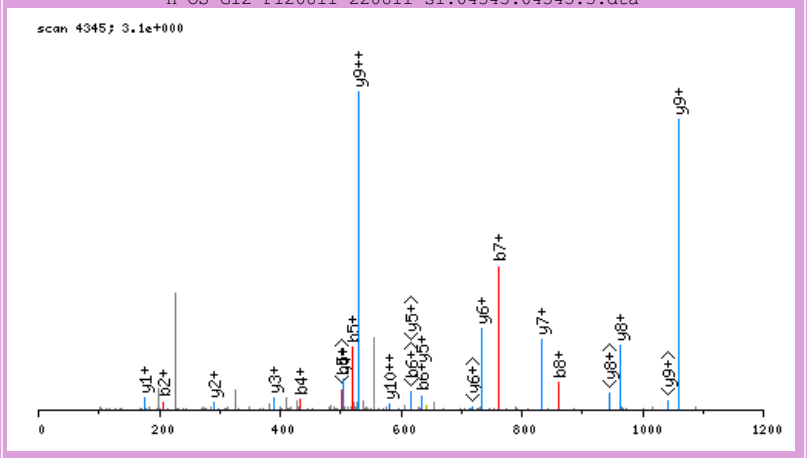
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	30		
201.1239	2	T	29	2735.3488	1368.1783
298.1767	3	P	28	2634.3011	1317.6545
369.2138	4	A	27	2537.2483	1269.1281
470.2614	5	T	26	2466.2112	1233.6095
541.2986	6	A	25	2365.1636	1183.0857
612.3357	7	A	24	2294.1264	1147.5671
709.3884	8	P	23	2223.0893	1112.0486
780.4256	9	A	22	2126.0366	1063.5222
851.4627	10	A	21	2054.9995	1028.0036
950.5311	11	V	20	1983.9623	992.4851
1037.5631	12	S	19	1884.8939	942.9509
1108.6002	13	A	18	1797.8619	899.4349
1179.6373	14	A	17	1726.8248	863.9163
1280.6850	15	T	16	1655.7877	828.3977
1381.7327	16	T	15	1554.7400	777.8739
1482.7804	17	T	14	1453.6923	727.3501
1569.8124	18	S	13	1352.6446	676.8262
1640.8495	19	A	12	1265.6126	633.3102
1768.9081	20	Q	11	1194.5755	597.7917
1897.9507	21	E	10	1066.5169	533.7624
2026.9933	22	E	9	937.4743	469.2411
2124.0460	23	P	8	808.4317	404.7198
2195.0832	24	A	7	711.3790	356.1934
2266.1203	25	A	6	640.3418	320.6748
2337.1574	26	A	5	569.3047	285.1563
2434.2101	27	P	4	498.2676	249.6377
2563.2527	28	E	3	401.2149	201.1113
2660.3055	29	P	2	272.1723	136.5900
	30	R	1	175.1195	88.0637

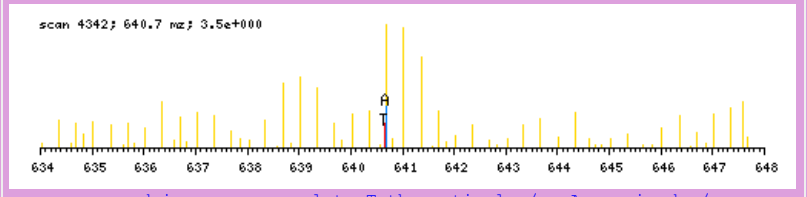
N-term:+29.04

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

ATPESLEVPEVTEDVDR, MH+ 1919.9662, m/z 640.6602
H OS G12 P120811 220811-s1.04345.04345.3.dta



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



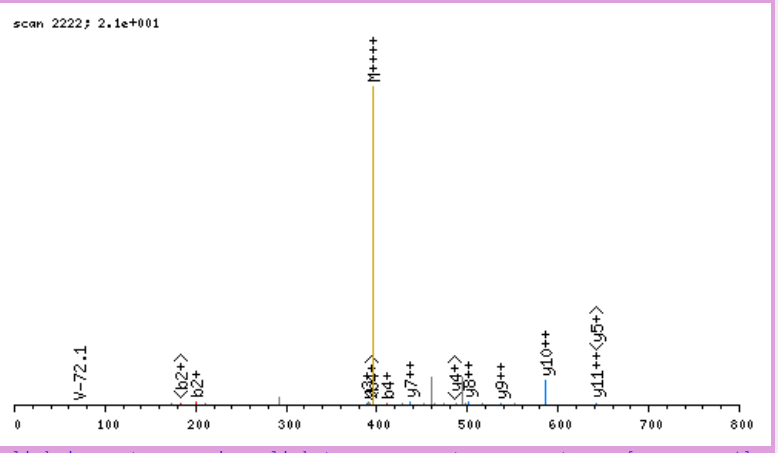
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	17		
207.1557	2	T	16	1814.8660	907.9369
304.2085	3	P	15	1713.8183	857.4131
433.2510	4	E	14	1616.7655	808.8867
520.2831	5	S	13	1487.7229	744.3654
633.3671	6	L	12	1400.6909	700.8494
762.4097	7	E	11	1287.6069	644.3073
861.4781	8	V	10	1158.5643	579.7860
958.5309	9	P	9	1059.4958	530.2518
1087.5735	10	E	8	962.4431	481.7255
1186.6419	11	V	7	833.4005	417.2042
1287.6896	12	T	6	734.3321	367.6699
1416.7322	13	E	5	633.2844	317.1461
1531.7591	14	D	4	504.2418	252.6248
1630.8275	15	V	3	389.2149	195.1113
1745.8545	16	D	2	290.1464	145.5771
	17	R	1	175.1195	88.0637

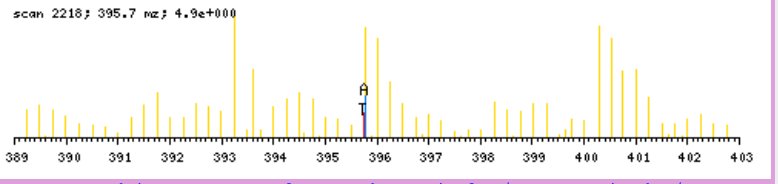
N-term:+35.07

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

ATPLPAEGKKNTLR, MH+ 1579.9536, m/z 395.7439
L OS G17 P120811 220811-s1.02222.02222.4.dta



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



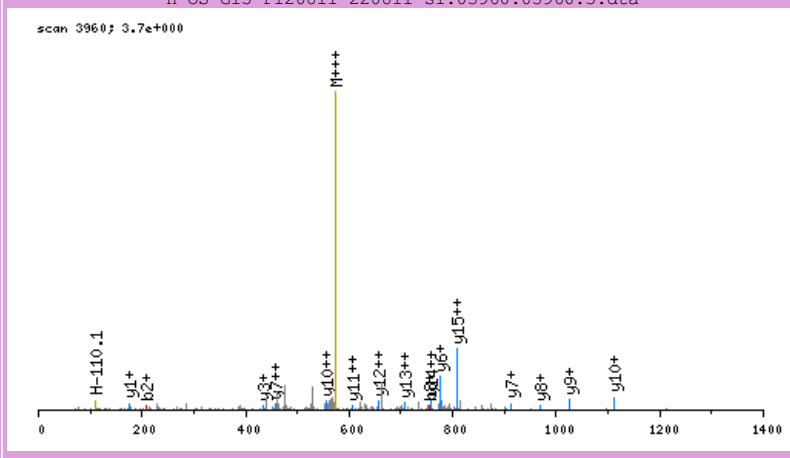
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

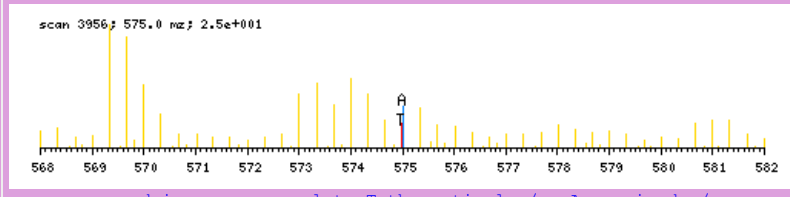
N-term:+29.04 K(9):+156.13
K(10):+156.13

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

ATTTTTSGGHPLEFLR, MH+ 1722.9238, m/z 574.9795
H OS G15 P120811 220811-s1.03960.03960.3.dta



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



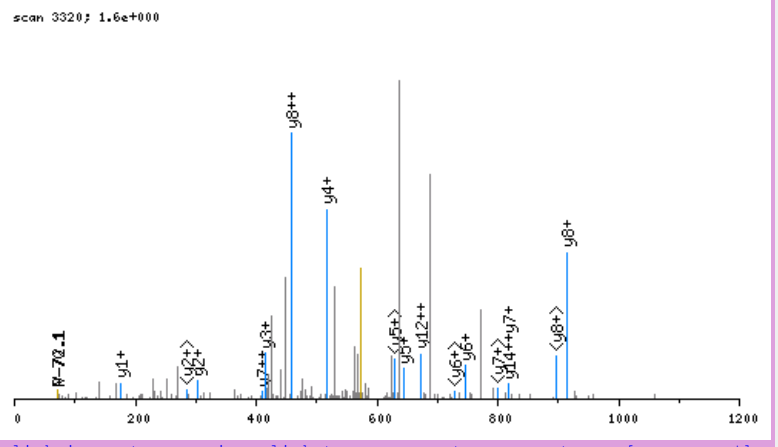
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	16		
207.1557	2	T	15	1617.8237	**809.4157**
308.2034	3	T	14	1516.7760	**758.8919**
409.2510	4	T	13	1415.7283	**708.3681**
510.2987	5	T	12	1314.6806	**657.8442**
611.3464	6	T	11	1213.6329	**607.3204**
698.3784	7	S	10	**1112.5853**	**556.7965**
755.3999	8	G	9	**1025.5532**	513.2805
812.4214	9	G	8	**968.5318**	484.7698
949.4803	10	H	7	**911.5103**	**456.2591**
1046.5330	11	P	6	**774.4514**	387.7296
1159.6171	12	L	5	677.3986	339.2032
1288.6597	13	E	4	564.3146	282.6612
1435.7281	14	F	3	**435.2720**	218.1399
1548.8122	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

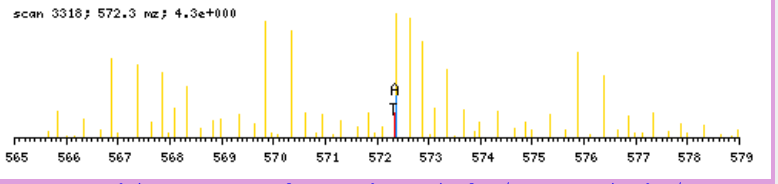
N-term:+35.07

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

AVADKVKEDSQVPATQTLQR, MH+ 2286.3518, m/z 572.3434
H OS G16 P120811 220811-s1.03320.03320.4.dta



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

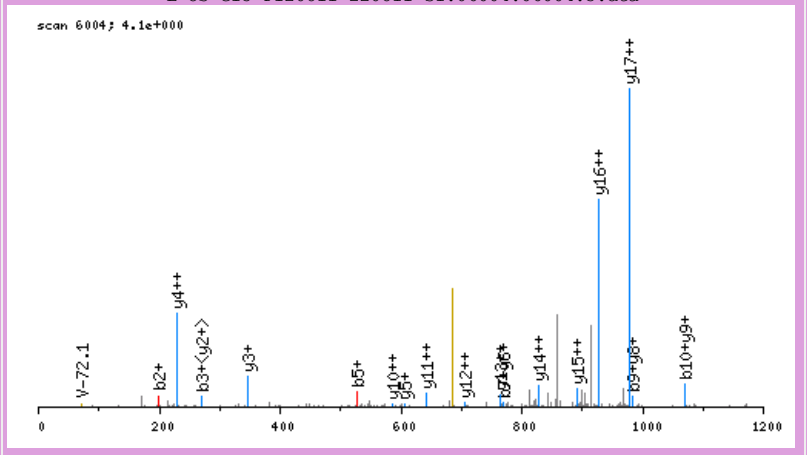


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

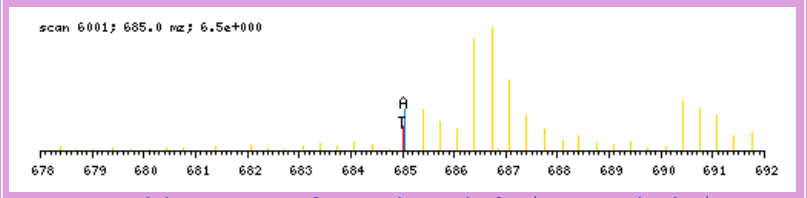
b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	20		
205.1764	2	V	19	2181.2516	1091.1297
276.2135	3	A	18	2082.1832	1041.5955
391.2405	4	D	17	2011.1461	1006.0769
553.3986	5	K	16	1896.1191	948.5635
652.4670	6	V	15	1733.9610	867.4844
814.6251	7	K	14	1634.8926	**817.9502**
943.6677	8	E	13	1472.7345	736.8712
1058.6946	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

AVAEELENVSGKYFDGLR, MH+ 2053.0606, m/z 685.0251
L OS G15 P120811 220811-s1.06004.06004.3.dta



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



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

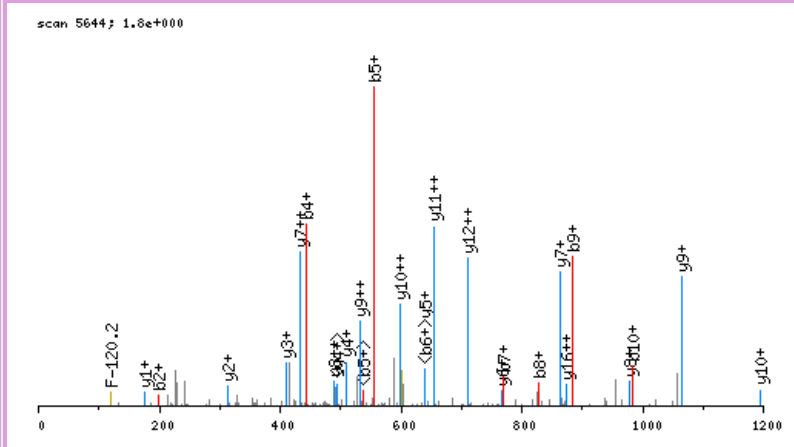
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	18		
199.1446	2	V	17	1953.9922	**977.5000**
270.1817	3	A	16	1854.9238	**927.9658**
399.2243	4	E	15	1783.8867	**892.4473**
528.2669	5	E	14	1654.8441	**827.9260**
641.3510	6	L	13	1525.8015	**763.4047**
770.3936	7	E	12	1412.7174	**706.8626**
884.4365	8	N	11	1283.6748	**642.3413**
983.5049	9	V	10	1169.6319	**585.3199**
1070.5370	10	S	9	**1070.5635**	535.7857
1127.5584	11	G	8	**983.5315**	492.2697
1283.6847	12	K	7	926.5100	463.7589
1446.7480	13	Y	6	**770.3837**	385.6958
1593.8165	14	F	5	**607.3204**	304.1641
1708.8434	15	D	4	460.2520	**230.6299**
1765.8649	16	G	3	**345.2250**	173.1164
1878.9489	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

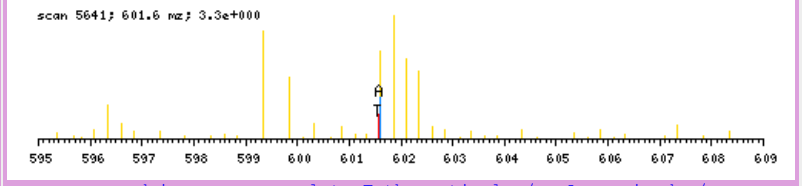
N-term:+29.04 K(12):+156.13

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

AVDEIVDGGVILESDPQQVVHR, MH+ 2403.2520, m/z 601.5684
L OS G14 P120811 220811-s1.05644.05644.4.dta



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



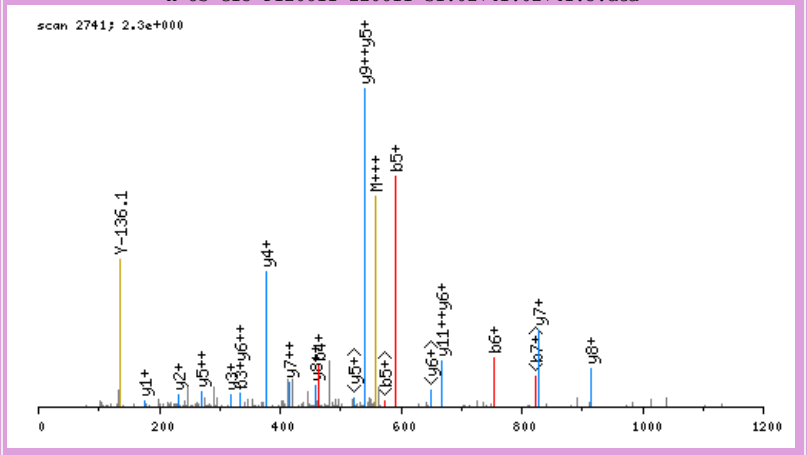
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	22		
199.1446	2	V	21	2304.1836	1152.5957
314.1716	3	D	20	2205.1152	1103.0615
443.2142	4	E	19	2090.0882	1045.5480
556.2982	5	I	18	1961.0456	981.0267
655.3666	6	V	17	1847.9616	924.4847
770.3936	7	D	16	1748.8931	**874.9505**
827.4150	8	G	15	1633.8662	817.4370
884.4365	9	G	14	1576.8447	788.9263
983.5049	10	V	13	1519.8233	760.4155
1096.5890	11	I	12	1420.7549	**710.8813**
1209.6731	12	L	11	1307.6708	**654.3393**
1338.7156	13	E	10	**1194.5867**	**597.7973**
1425.7477	14	S	9	**1065.5441**	**533.2760**
1540.7746	15	D	8	**978.5121**	**489.7600**
1637.8274	16	P	7	**863.4852**	**432.2465**
1765.8860	17	Q	6	**766.4324**	383.7201
1893.9445	18	Q	5	**638.3738**	319.6908
1993.0130	19	V	4	**510.3152**	255.6615
2092.0814	20	V	3	**411.2468**	206.1273
2229.1403	21	H	2	**312.1784**	156.5931
	22	R	1	**175.1195**	88.0637

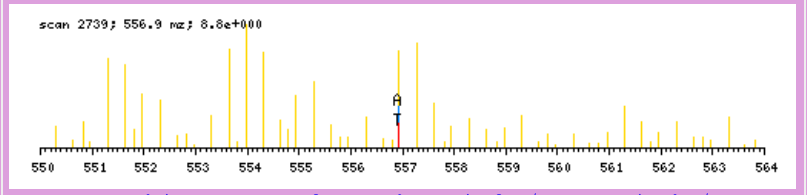
N-term:+29.04

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

AVEEQYSCEYGSGR, MH+ 1668.7387, m/z 556.9178
H OS G13 P120811 220811-s1.02741.02741.3.dta



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



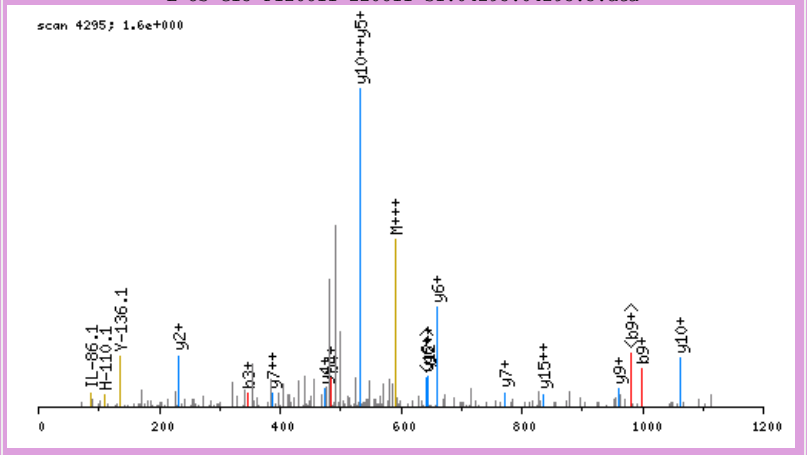
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
205.1764	2	V	13	1563.6385	782.3232
334.2190	3	E	12	1464.5701	732.7890
463.2616	4	E	11	1335.5275	668.2677
591.3202	5	Q	10	1206.4849	603.7464
754.3835	6	Y	9	1078.4263	539.7171
841.4155	7	S	8	915.3630	458.1854
1001.4461	8	C	7	828.3310	414.6694
1130.4887	9	E	6	668.3004	334.6541
1293.5521	10	Y	5	539.2578	270.1328
1350.5735	11	G	4	376.1945	188.6011
1437.6056	12	S	3	319.1730	160.0904
1494.6270	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

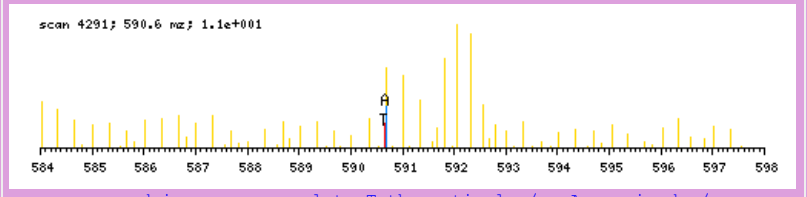
N-term:+35.07 C(8):+160.03

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

AVFHPETSTIQGLEGR, MH+ 1769.9186, m/z 590.6444
L OS G15 P120811 220811-s1.04295.04295.3.dta



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



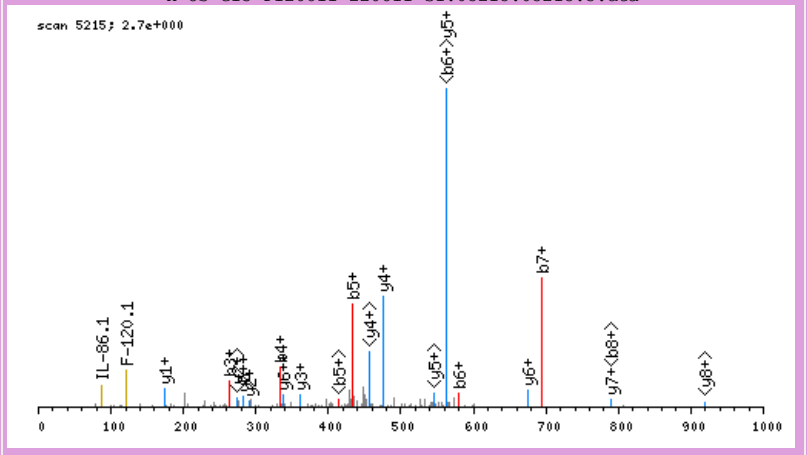
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
199.1446	2	V	15	1670.8502	**835.9290**
346.2130	3	F	14	1571.7818	786.3948
483.2720	4	H	13	1424.7134	712.8606
580.3247	5	P	12	1287.6545	**644.3311**
709.3673	6	E	11	1190.6017	595.8048
810.4150	7	T	10	**1061.5591**	**531.2835**
897.4470	8	S	9	**960.5114**	480.7596
998.4947	9	T	8	873.4794	437.2436
1111.5788	10	I	7	**772.4317**	**386.7198**
1239.6373	11	Q	6	**659.3477**	330.1777
1296.6588	12	G	5	**531.2891**	266.1485
1409.7429	13	L	4	**474.2676**	237.6377
1538.7855	14	E	3	361.1836	181.0957
1595.8069	15	G	2	**232.1410**	116.5744
	16	R	1	175.1195	88.0637

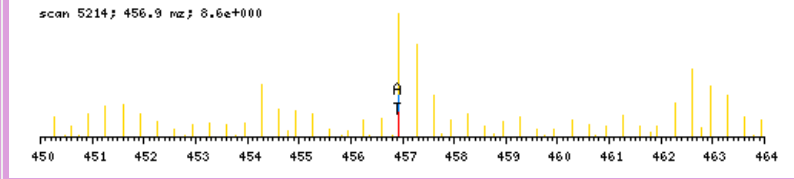
N-term:+29.04

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

AVGAVFDISNADR, MH+ 1368.7335, m/z 456.9160
H_OS_G13_P120811_220811-s1.05215.05215.3.dta



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



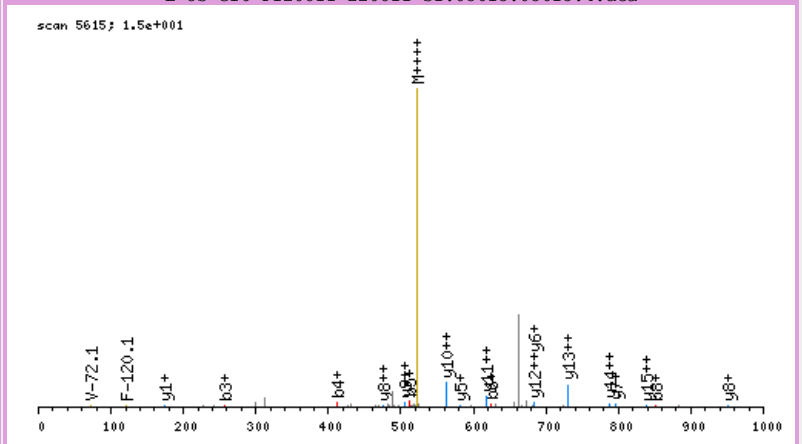
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	13		
205.1764	2	V	12	1263.6333	632.3206
262.1979	3	G	11	1164.5649	582.7864
333.2350	4	A	10	1107.5435	554.2756
432.3034	5	V	9	1036.5063	518.7571
579.3718	6	F	8	937.4379	469.2229
694.3988	7	D	7	790.3695	395.6887
807.4828	8	I	6	675.3426	338.1752
894.5149	9	S	5	562.2585	281.6332
1008.5578	10	N	4	475.2265	238.1172
1079.5949	11	A	3	361.1836	181.0957
1194.6219	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

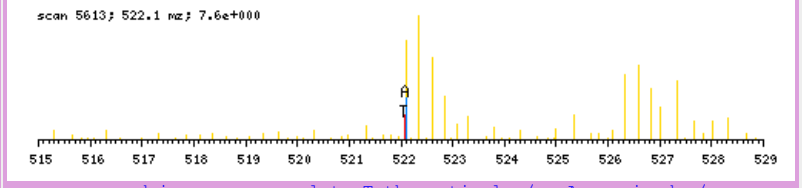
N-term:+35.07

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

AVGKVIPELNGKLTGMAFR, MH+ 2085.2259, m/z 522.0619
L OS G16 P120811 220811-s1.05615.05615.4.dta



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



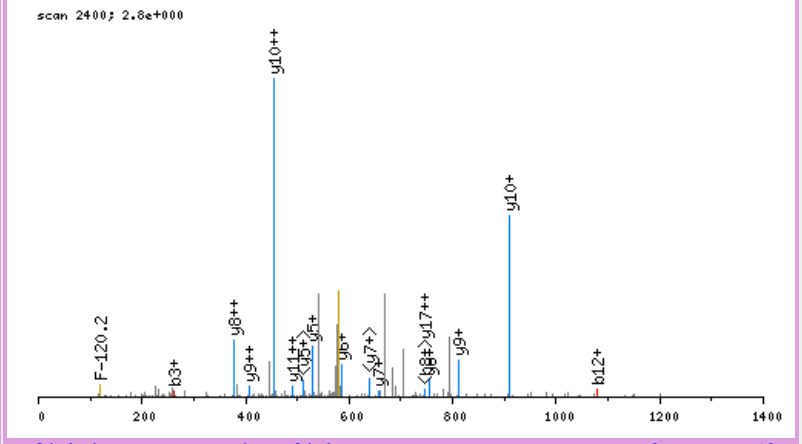
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
199.1446	2	V	18	1986.1575	993.5827
256.1661	3	G	17	1887.0891	944.0484
412.2924	4	K	16	1830.0676	915.5377
511.3608	5	V	15	1673.9413	**837.4746**
624.4449	6	I	14	1574.8729	**787.9404**
721.4976	7	P	13	1461.7888	**731.3983**
850.5402	8	E	12	1364.7361	**682.8719**
963.6243	9	L	11	1235.6935	**618.3506**
1077.6672	10	N	10	1122.6094	**561.8086**
1134.6887	11	G	9	1008.5665	**504.7872**
1290.8150	12	K	8	**951.5450**	**476.2764**
1403.8990	13	L	7	**795.4187**	398.2133
1504.9467	14	T	6	**682.3347**	341.6712
1561.9682	15	G	5	**581.2870**	291.1474
1693.0087	16	M	4	524.2655	262.6367
1764.0458	17	A	3	393.2250	197.1164
1911.1142	18	F	2	322.1879	161.5979
	19	R	1	**175.1195**	88.0637

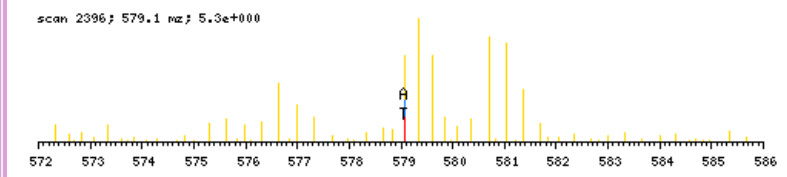
N-term:+29.04 K(4):+156.13
K(12):+156.13

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG (MONO)
Axis: (1) 2
Label: (I) M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [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

AVGPAGKDGEAGAQGAPGPAGPAGER, MH+ 2313.2224, m/z 579.0610
H OS G15 P120811 220811-s1.02400.02400.4.dta



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



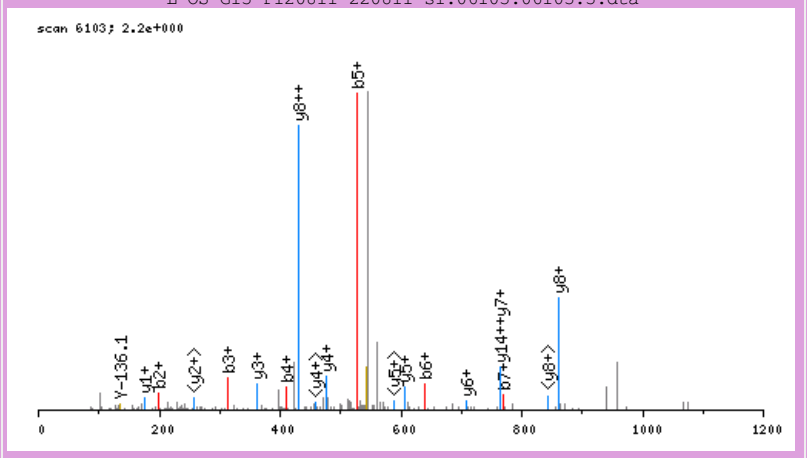
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	26		
205.1764	2	V	25	2208.1222	1104.5650
262.1979	3	G	24	2109.0538	1055.0308
359.2507	4	P	23	2052.0323	1026.5201
430.2878	5	A	22	1954.9795	977.9937
487.3092	6	G	21	1883.9424	942.4751
649.4673	7	K	20	1826.9210	913.9644
764.4943	8	D	19	1664.7629	832.8853
821.5157	9	G	18	1549.7359	775.3719
950.5583	10	E	17	1492.7144	**746.8611**
1021.5954	11	A	16	1363.6719	682.3398
1078.6169	12	G	15	1292.6347	646.8213
1149.6540	13	A	14	1235.6133	618.3105
1277.7126	14	Q	13	1164.5762	582.7920
1334.7341	15	G	12	1036.5176	518.7627
1405.7712	16	A	11	979.4961	**490.2520**
1502.8239	17	P	10	**908.4590**	**454.7334**
1559.8454	18	G	9	**811.4062**	**406.2070**
1656.8982	19	P	8	**754.3848**	**377.6963**
1727.9353	20	A	7	**657.3320**	329.1699
1784.9567	21	G	6	**586.2949**	293.6514
1882.0095	22	P	5	**529.2734**	265.1406
1953.0466	23	A	4	432.2207	216.6142
2010.0681	24	G	3	361.1836	181.0957
2139.1107	25	E	2	304.1621	152.5850
	26	R	1	175.1195	88.0637

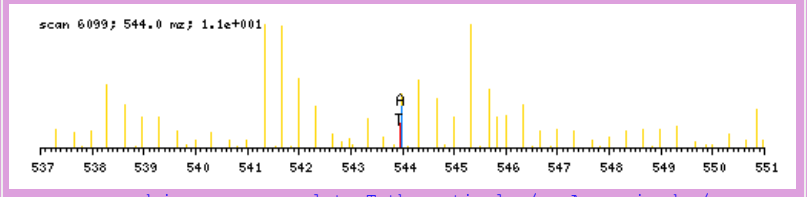
N-term:+35.07 K(7):+162.16

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

AVLVDLEPGTMDSVR, MH+ 1629.8522, m/z 543.9556
L OS G13 P120811 220811-s1.06103.06103.3.dta



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



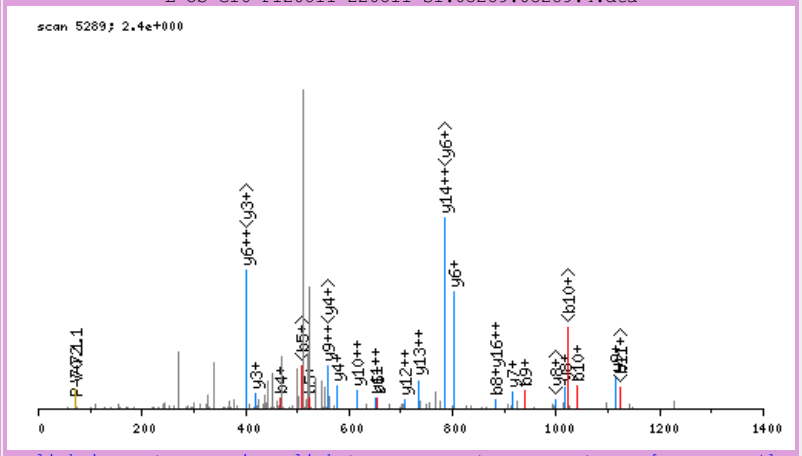
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	15		
199.1446	2	V	14	1530.7838	765.8958
312.2287	3	L	13	1431.7154	716.3616
411.2971	4	V	12	1318.6313	659.8196
526.3240	5	D	11	1219.5629	610.2854
639.4081	6	L	10	1104.5359	552.7719
768.4507	7	E	9	991.4519	496.2298
865.5035	8	P	8	862.4093	431.7086
922.5249	9	G	7	765.3565	383.1822
1023.5726	10	T	6	708.3350	354.6714
1154.6131	11	M	5	607.2874	304.1476
1269.6400	12	D	4	476.2469	238.6274
1356.6721	13	S	3	361.2199	181.1139
1455.7405	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

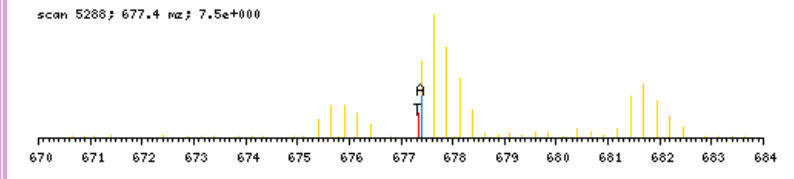
N-term:+29.04

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

AVMHGETEGTVPGNALVVDPEKPFR, MH+ 2706.3925, m/z 677.3536
L OS G16 P120811 220811-s1.05289.05289.4.dta



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



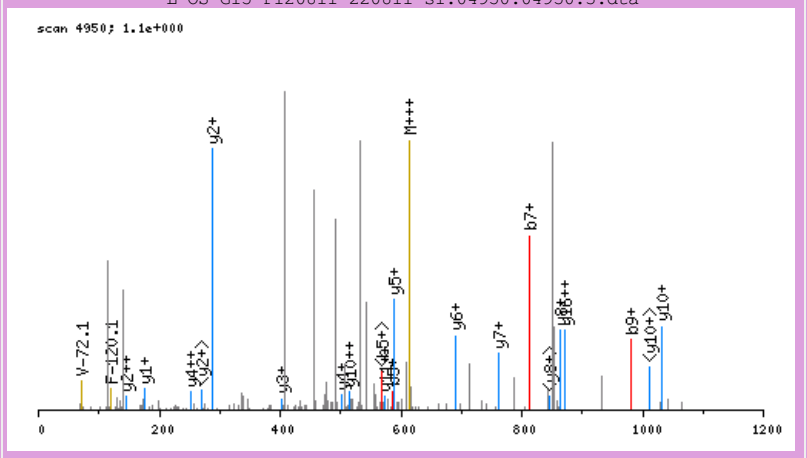
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	25		
199.1446	2	V	24	2607.3241	1304.1660
330.1851	3	M	23	2508.2557	1254.6318
467.2440	4	H	22	2377.2152	1189.1115
524.2655	5	G	21	2240.1563	1120.5821
653.3081	6	E	20	2183.1349	1092.0713
754.3558	7	T	19	2054.0923	1027.5500
883.3984	8	E	18	1953.0446	977.0262
940.4198	9	G	17	1824.0020	912.5049
1041.4675	10	T	16	1766.9805	**883.9942**
1140.5359	11	V	15	1665.9329	833.4703
1237.5887	12	P	14	1566.8644	**783.9361**
1294.6101	13	G	13	1469.8117	**735.4098**
1408.6531	14	N	12	1412.7902	**706.8990**
1479.6902	15	A	11	1298.7473	**649.8776**
1592.7742	16	L	10	1227.7102	**614.3590**
1691.8427	17	V	9	**1114.6261**	**557.8170**
1790.9111	18	V	8	**1015.5577**	508.2828
1905.9380	19	D	7	**916.4893**	458.7486
2002.9908	20	P	6	**801.4623**	**401.2351**
2132.0334	21	E	5	704.4096	352.7087
2288.1597	22	K	4	**575.3670**	288.1874
2385.2124	23	P	3	**419.2407**	210.1243
2532.2808	24	F	2	322.1879	161.5979
	25	R	1	175.1195	88.0637

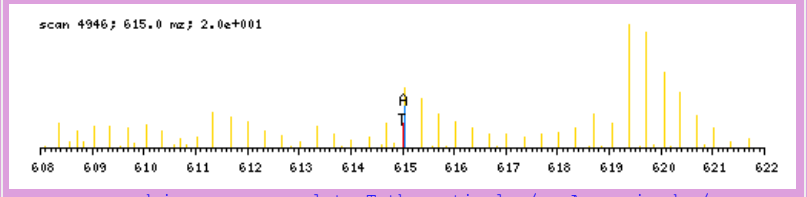
N-term:+29.04 K(22):+156.13

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

AVMKVIDPATATSVDLR, MH+ 1843.0363, m/z 615.0170
L OS G15 P120811 220811-s1.04950.04950.3.dta



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



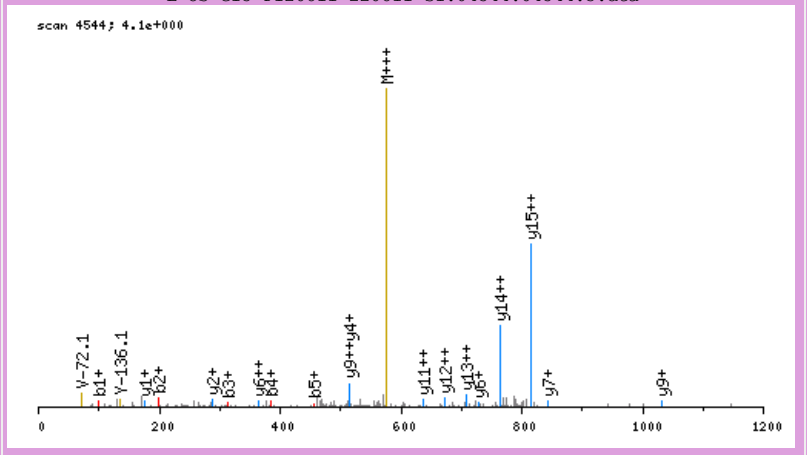
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	17		
199.1446	2	V	16	1743.9679	**872.4879**
330.1851	3	M	15	1644.8995	822.9537
486.3114	4	K	14	1513.8590	757.4334
585.3798	5	V	13	1357.7327	679.3703
698.4639	6	I	12	1258.6643	629.8361
813.4908	7	D	11	1145.5802	**573.2940**
910.5436	8	P	10	**1030.5533**	**515.7806**
981.5807	9	A	9	933.5005	467.2542
1082.6284	10	T	8	**862.4634**	431.7356
1153.6655	11	A	7	**761.4157**	381.2118
1254.7132	12	T	6	**690.3786**	345.6932
1341.7452	13	S	5	**589.3310**	295.1694
1440.8136	14	V	4	**502.2989**	**251.6534**
1555.8406	15	D	3	**403.2305**	202.1192
1668.9246	16	L	2	**288.2036**	**144.6057**
	17	R	1	**175.1195**	88.0637

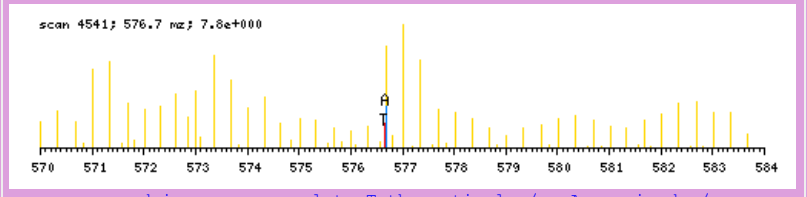
N-term:+29.04 K(4):+156.13

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

AVNAAQDSTDLVAKLR, MH+ 1727.9656, m/z 576.6600
L OS G15 P120811 220811-s1.04544.04544.3.dta



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



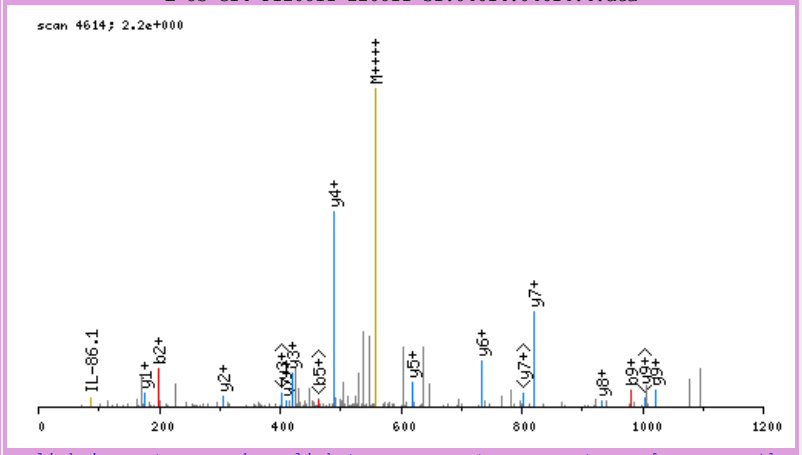
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
199.1446	2	V	15	1628.8972	814.9525
313.1876	3	N	14	1529.8288	765.4183
384.2247	4	A	13	1415.7859	708.3968
455.2618	5	A	12	1344.7487	672.8783
583.3204	6	Q	11	1273.7116	637.3597
698.3473	7	D	10	1145.6530	573.3304
785.3793	8	S	9	1030.6261	515.8170
886.4270	9	T	8	943.5941	472.3010
1001.4540	10	D	7	842.5464	421.7771
1114.5380	11	L	6	727.5195	364.2636
1213.6064	12	V	5	614.4354	307.7216
1284.6435	13	A	4	515.3670	258.1874
1440.7698	14	K	3	444.3299	222.6688
1553.8539	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

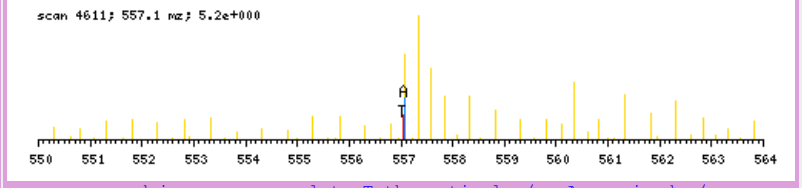
N-term:+29.04 K(14):+156.13

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

AVPIAQKSEPQSLSNEALMR, MH+ 2225.1964, m/z 557.0546
L OS G14 P120811 220811-s1.04614.04614.4.dta



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



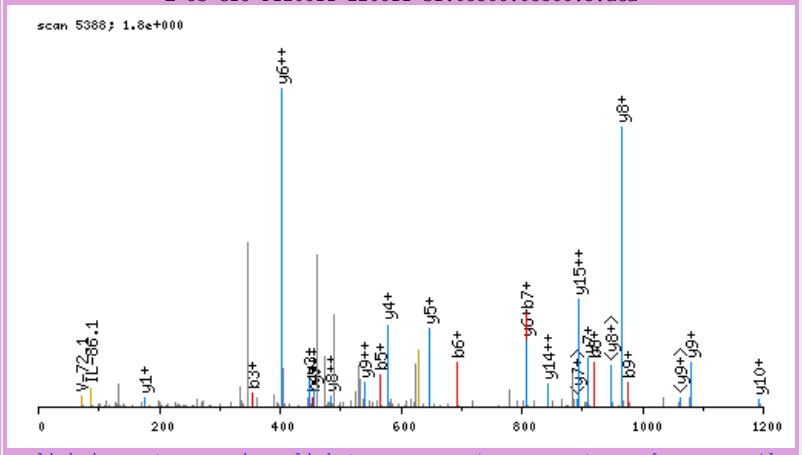
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
199.1446	2	V	19	2126.1280	1063.5679
296.1974	3	P	18	2027.0596	1014.0337
409.2815	4	I	17	1930.0068	965.5073
480.3186	5	A	16	1816.9228	908.9653
608.3771	6	Q	15	1745.8856	873.4467
764.5034	7	K	14	1617.8271	809.4174
851.5355	8	S	13	1461.7008	731.3543
980.5781	9	E	12	1374.6687	687.8383
1077.6308	10	P	11	1245.6261	623.3170
1205.6894	11	Q	10	1148.5734	574.7906
1292.7214	12	S	9	**1020.5148**	510.7613
1405.8055	13	L	8	**933.4828**	467.2453
1492.8375	14	S	7	**820.3987**	**410.7033**
1606.8805	15	N	6	**733.3667**	367.1873
1735.9231	16	E	5	**619.3238**	310.1658
1806.9602	17	A	4	**490.2812**	245.6445
1920.0442	18	L	3	**419.2440**	210.1259
2051.0847	19	M	2	**306.1600**	153.5839
	20	R	1	**175.1195**	88.0637

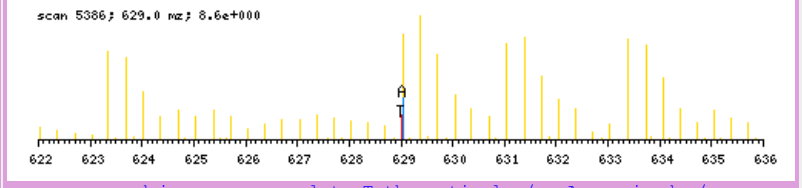
N-term:+29.04 K(7):+156.13

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

AVRPLQLLGTCAELCR, MH+ 1885.0151, m/z 629.0099
L OS G15 P120811 220811-s1.05388.05388.3.dta



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



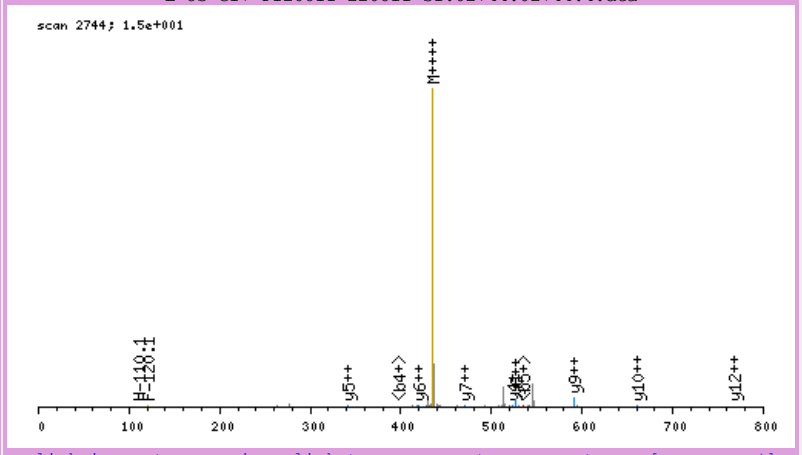
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	16		
199.1446	2	V	15	1785.9467	**893.4772**
355.2457	3	R	14	1686.8783	**843.9430**
452.2985	4	P	13	1530.7771	765.8925
565.3826	5	L	12	1433.7244	717.3661
693.4411	6	Q	11	1320.6403	660.8241
806.5252	7	L	10	**1192.5817**	596.7948
919.6093	8	L	9	**1079.4977**	**540.2528**
976.6307	9	G	8	**966.4136**	**483.7107**
1077.6784	10	T	7	**909.3922**	**455.2000**
1237.7090	11	C	6	**808.3445**	**404.6761**
1308.7461	12	A	5	**648.3139**	324.6608
1437.7887	13	E	4	**577.2768**	289.1423
1550.8728	14	L	3	**448.2342**	224.6210
1710.9034	15	C	2	335.1501	168.0790
	16	R	1	**175.1195**	88.0637

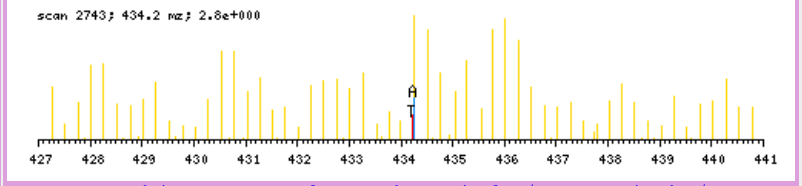
N-term:+29.04 C(11):+160.03
C(15):+160.03

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

AVSEHENTKCISFR, MH+ 1733.8644, m/z 434.2216
L OS G17 P120811 220811-s1.02744.02744.4.dta



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

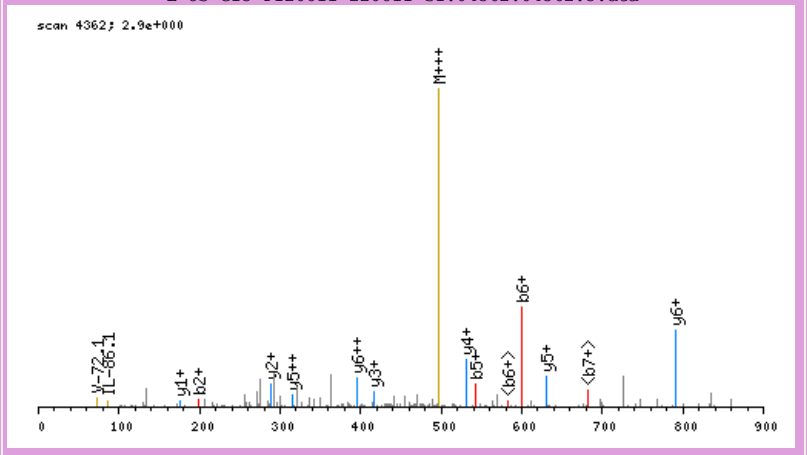


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

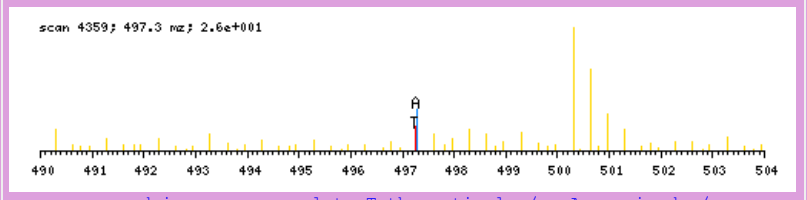
b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	14		
199.1446	2	V	13	1634.7961	817.9019
286.1767	3	S	12	1535.7276	**768.3677**
415.2192	4	E	11	1448.6956	724.8517
552.2782	5	H	10	1319.6530	**660.3304**
681.3208	6	E	9	1182.5941	**591.8010**
795.3637	7	N	8	1053.5515	**527.2797**
896.4114	8	T	7	939.5086	**470.2582**
1052.5377	9	K	6	838.4609	**419.7344**
1212.5683	10	C	5	682.3346	**341.6712**
1325.6523	11	I	4	**522.3040**	261.6559
1412.6844	12	S	3	409.2199	205.1139
1559.7528	13	F	2	322.1879	161.5979
	14	R	1	175.1195	88.0637

N-term:+29.04 K(9):+156.13
C(10):+160.03

AVSEQGVCTLEIR, MH+ 1489.7684, m/z 497.2610
L_OS_G13_P120811_220811-s1.04362.04362.3.dta



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



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

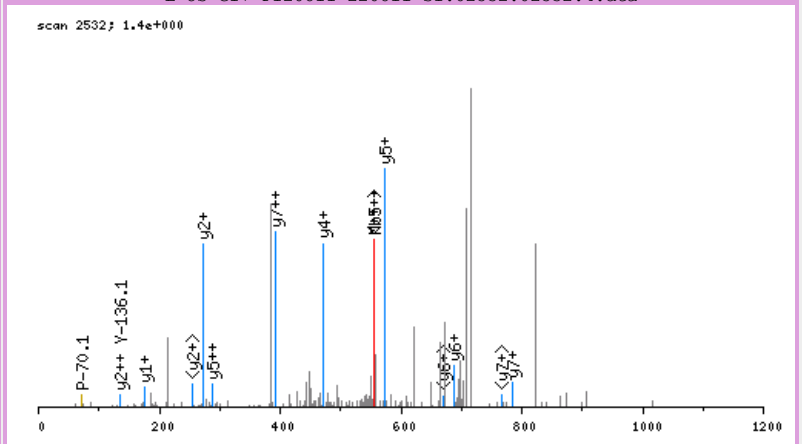
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
199.1446	2	V	12	1390.7000	695.8539
286.1767	3	S	11	1291.6316	646.3197
415.2192	4	E	10	1204.5995	602.8037
543.2778	5	Q	9	1075.5570	538.2824
600.2993	6	G	8	947.4984	474.2531
699.3677	7	V	7	890.4769	445.7424
859.3983	8	C	6	**791.4085**	**396.2082**
960.4460	9	T	5	**631.3779**	**316.1929**
1073.5300	10	L	4	**530.3302**	265.6690
1202.5726	11	E	3	**417.2462**	209.1270
1315.6567	12	I	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

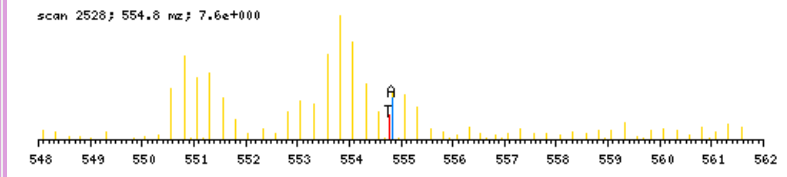
N-term:+29.04 C(8):+160.03

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

AVSKEKEEEETSPDTSIPR, MH+ 2216.1298, m/z 554.7879
L OS G17 P120811 220811-s1.02532.02532.4.dta



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



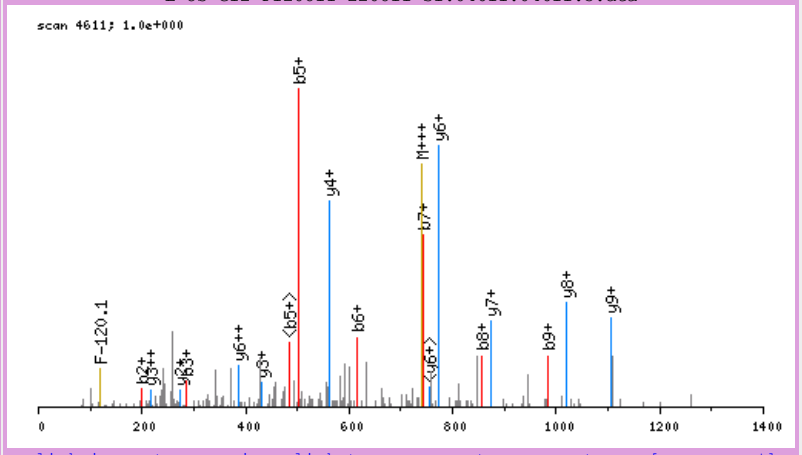
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
199.1446	2	V	18	2117.0615	1059.0346
286.1767	3	S	17	2017.9930	1009.5004
442.3030	4	K	16	1930.9610	965.9844
571.3455	5	E	15	1774.8347	887.9213
727.4718	6	K	14	1645.7921	823.4000
856.5144	7	E	13	1489.6658	745.3368
985.5570	8	E	12	1360.6232	680.8155
1114.5996	9	E	11	1231.5806	616.2942
1243.6422	10	E	10	1102.5380	551.7729
1344.6899	11	T	9	973.4954	487.2516
1431.7219	12	S	8	872.4478	436.7278
1528.7747	13	P	7	**785.4157**	**393.2118**
1643.8016	14	D	6	**688.3630**	344.6854
1744.8493	15	T	5	**573.3360**	**287.1719**
1831.8813	16	S	4	**472.2884**	236.6481
1944.9654	17	I	3	385.2563	193.1321
2042.0182	18	P	2	**272.1723**	**136.5900**
	19	R	1	**175.1195**	88.0637

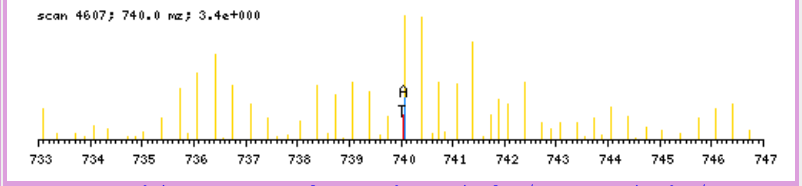
N-term:+29.04 K(4):+156.13
K(6):+156.13

AVSSELQIQQSFVPDECPR, MH+ 2218.0813, m/z 740.0320
L OS G12 P120811 220811-s1.04611.04611.3.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±]



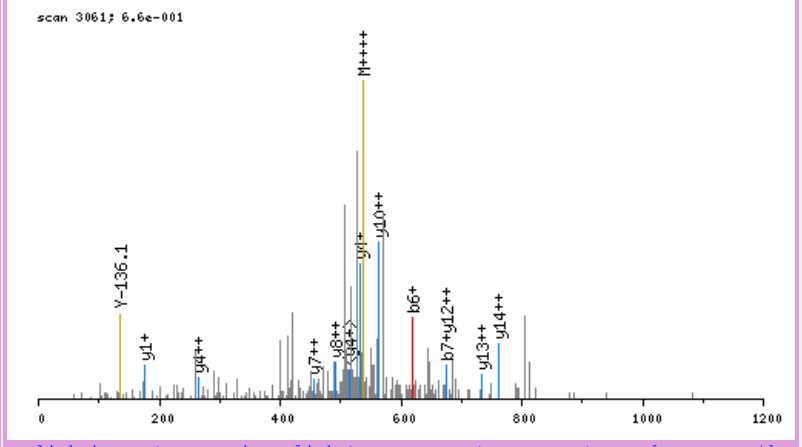
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
199.1446	2	V	18	2119.0129	1060.0104
286.1767	3	S	17	2019.9445	1010.4762
373.2087	4	S	16	1932.9125	966.9602
502.2513	5	E	15	1845.8805	923.4441
615.3353	6	L	14	1716.8379	858.9229
743.3939	7	Q	13	1603.7538	802.3808
856.4780	8	I	12	1475.6952	738.3515
984.5366	9	Q	11	1362.6112	681.8095
1112.5951	10	Q	10	1234.5526	617.7802
1199.6272	11	S	9	**1106.4940**	553.7509
1346.6956	12	F	8	**1019.4620**	510.2349
1445.7640	13	V	7	**872.3936**	436.7007
1542.8168	14	P	6	**773.3252**	**387.1665**
1657.8437	15	D	5	676.2724	338.6401
1786.8863	16	E	4	**561.2455**	281.1266
1946.9169	17	C	3	**432.2029**	**216.6053**
2043.9697	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

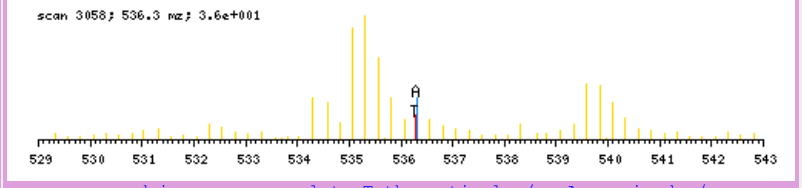
N-term:+29.04 C(17):+160.03

AVSVSFGDPEGSALHEKSLR, MH+ 2142.1195, m/z 536.2853
L OS G17 P120811 220811-s1.03061.03061.4.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±]



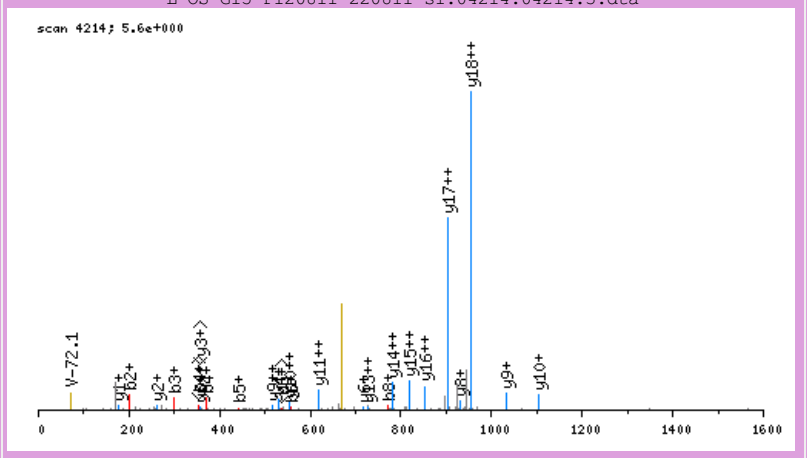
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	20		
199.1446	2	V	19	2043.0511	1022.0295
286.1767	3	S	18	1943.9827	972.4953
385.2451	4	V	17	1856.9507	928.9793
472.2771	5	S	16	1757.8823	879.4450
619.3455	6	F	15	1670.8502	835.9290
676.3670	7	G	14	1523.7818	**762.3948**
791.3939	8	D	13	1466.7604	**733.8841**
888.4467	9	P	12	1351.7334	**676.3706**
1017.4893	10	E	11	1254.6807	627.8442
1074.5107	11	G	10	1125.6381	**563.3229**
1161.5428	12	S	9	1068.6166	534.8122
1232.5799	13	A	8	981.5846	**491.2962**
1345.6639	14	L	7	910.5475	**455.7776**
1482.7229	15	H	6	797.4634	399.2356
1611.7655	16	E	5	660.4045	330.7062
1767.8918	17	K	4	**531.3619**	**266.1849**
1854.9238	18	S	3	375.2356	188.1217
1968.0078	19	L	2	288.2036	144.6057
	20	R	1	**175.1195**	88.0637

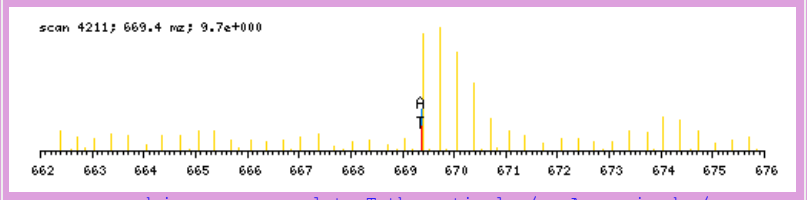
N-term:+29.04 K(17):+156.13

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

AVTAANTDMATSEALKISR, MH+ 2006.0592, m/z 669.3579
L OS G15 P120811 220811-s1.04214.04214.3.dta



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



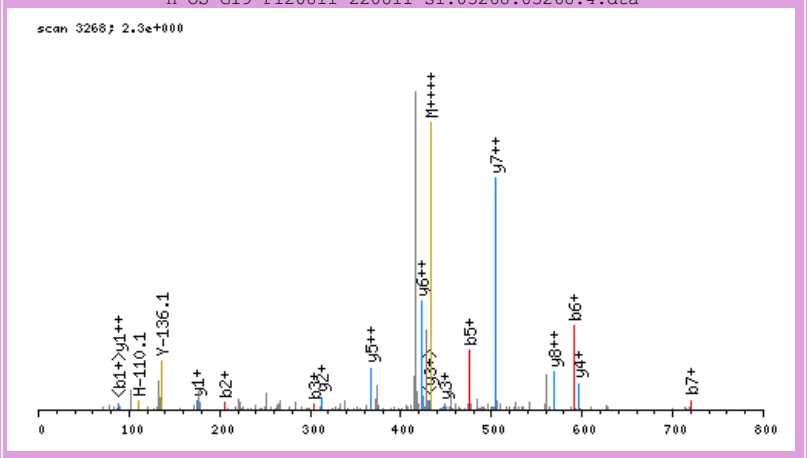
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	19		
199.1446	2	V	18	1906.9908	953.9993
300.1923	3	T	17	1807.9224	904.4651
371.2294	4	A	16	1706.8747	853.9413
442.2665	5	A	15	1635.8376	818.4227
556.3095	6	N	14	1564.8005	782.9042
657.3571	7	T	13	1450.7576	725.8827
772.3841	8	D	12	1349.7099	675.3589
903.4246	9	M	11	1234.6830	617.8454
974.4617	10	A	10	1103.6425	552.3252
1075.5094	11	T	9	1032.6054	516.8066
1162.5414	12	S	8	931.5577	466.2828
1291.5840	13	E	7	844.5257	422.7667
1362.6211	14	A	6	715.4831	358.2454
1475.7052	15	L	5	644.4460	322.7269
1631.8315	16	K	4	531.3619	266.1849
1744.9155	17	I	3	375.2356	188.1217
1831.9476	18	S	2	262.1515	131.5797
	19	R	1	175.1195	88.0637

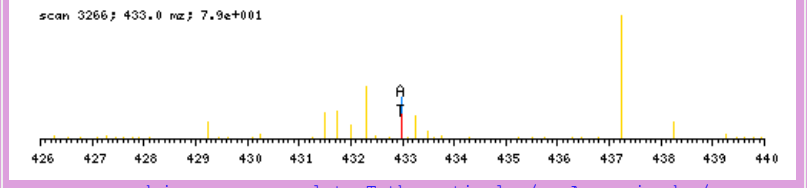
N-term:+29.04 K(16):+156.13

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

AVVGDDEYLHFHHR, MH+ 1728.8670, m/z 432.9722
H OS G19 P120811 220811-s1.03268.03268.4.dta



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



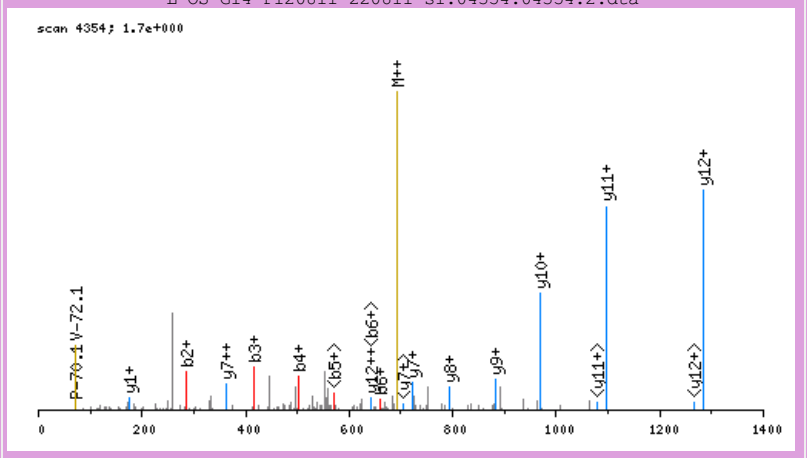
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	14		
205.1764	2	V	13	1623.7668	812.3873
304.2448	3	V	12	1524.6984	762.8531
361.2663	4	G	11	1425.6300	713.3189
476.2932	5	D	10	1368.6085	684.8082
591.3202	6	D	9	1253.5816	627.2947
720.3628	7	E	8	1138.5546	**569.7812**
883.4261	8	Y	7	1009.5120	**505.2599**
996.5102	9	L	6	846.4487	**423.7283**
1133.5691	10	H	5	733.3647	**367.1862**
1280.6375	11	F	4	**596.3057**	298.6568
1417.6964	12	H	3	**449.2373**	225.1226
1554.7553	13	H	2	**312.1784**	156.5931
	14	R	1	**175.1195**	**88.0637**

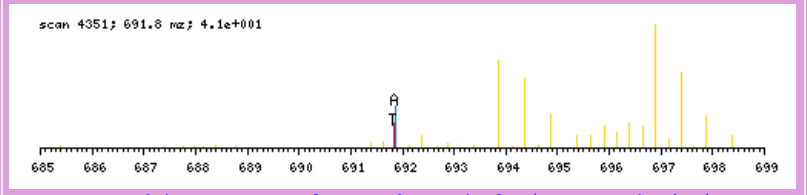
N-term:+35.07

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

AWESSAGGSFTVR, MH+ 1382.6704, m/z 691.8389
L OS G14 P120811 220811-s1.04354.04354.2.dta



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



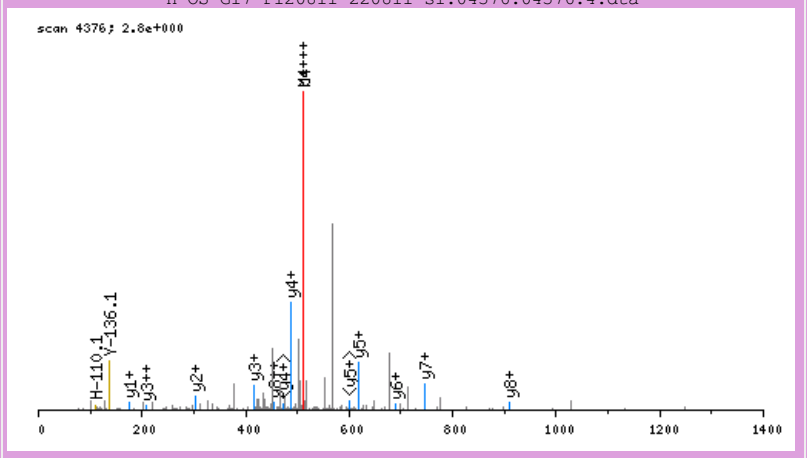
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	13		
286.1555	2	W	12	1283.6020	642.3049
415.1981	3	E	11	1097.5227	549.2653
502.2301	4	S	10	968.4801	484.7440
589.2622	5	S	9	881.4481	441.2280
660.2993	6	A	8	794.4161	397.7120
717.3208	7	G	7	723.3790	362.1934
774.3422	8	G	6	666.3575	333.6827
861.3742	9	S	5	609.3360	305.1719
1008.4427	10	F	4	522.3040	261.6559
1109.4903	11	T	3	375.2356	188.1217
1208.5588	12	V	2	274.1879	137.5979
	13	R	1	175.1195	88.0637

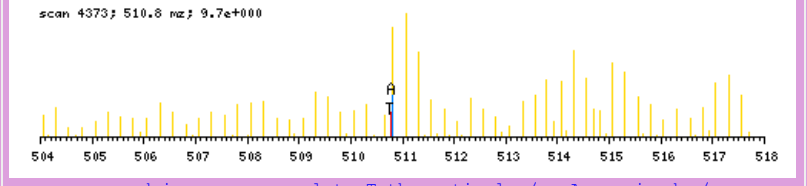
N-term:+29.04

AWGKIGGHGAEYGAEALER, MH+ 2040.0939, m/z 510.7789
H OS G17 P120811 220811-s1.04376.04376.4.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±]



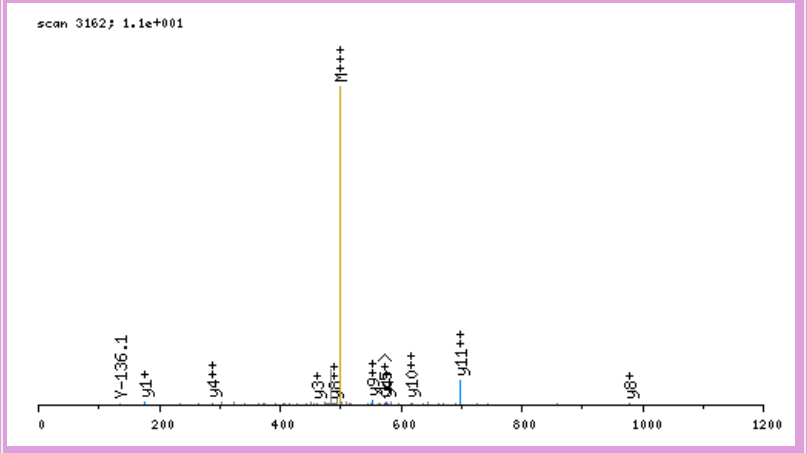
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
106.1080	1	A	19		
292.1873	2	W	18	1934.9937	968.0008
349.2088	3	G	17	1748.9144	874.9611
511.3669	4	K	16	1691.8929	846.4504
624.4510	5	I	15	1529.7348	765.3713
681.4724	6	G	14	1416.6508	708.8293
738.4939	7	G	13	1359.6293	680.3186
875.5528	8	H	12	1302.6079	651.8078
932.5743	9	G	11	1165.5489	583.2784
1003.6114	10	A	10	1108.5275	554.7677
1132.6540	11	E	9	1037.4904	519.2491
1295.7173	12	Y	8	**908.4478**	**454.7278**
1352.7388	13	G	7	**745.3844**	373.1961
1423.7759	14	A	6	**688.3630**	344.6854
1552.8185	15	E	5	**617.3259**	309.1668
1623.8556	16	A	4	**488.2833**	244.6455
1736.9396	17	L	3	**417.2462**	**209.1270**
1865.9822	18	E	2	**304.1621**	152.5850
	19	R	1	**175.1195**	88.0637

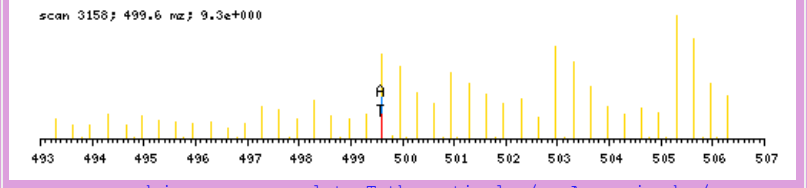
N-term:+35.07 K(4):+162.16

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

AYEQAESDIMKR, MH+ 1496.7419, m/z 499.5855
L OS G16 P120811 220811-s1.03162.03162.3.dta



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



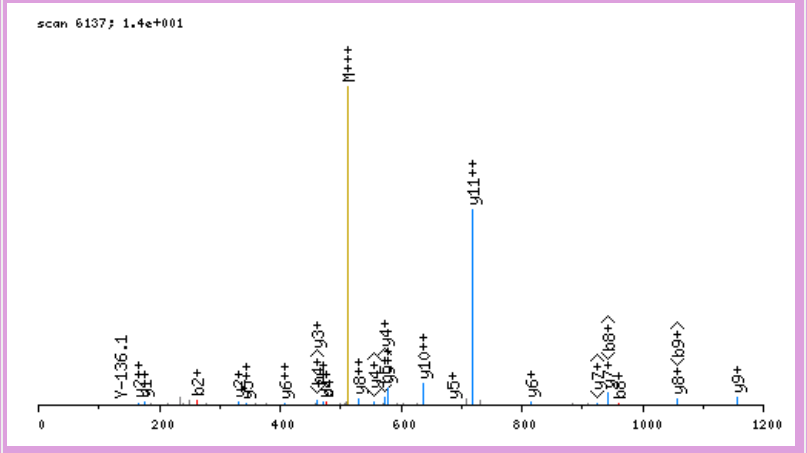
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
263.1395	2	Y	11	1397.6735	**699.3407**
392.1821	3	E	10	1234.6102	**617.8090**
520.2407	4	Q	9	1105.5676	**553.2877**
591.2778	5	A	8	**977.5090**	**489.2584**
720.3204	6	E	7	906.4719	453.7399
807.3524	7	S	6	777.4293	389.2186
922.3794	8	D	5	690.3973	345.7026
1035.4635	9	I	4	**575.3703**	**288.1891**
1166.5039	10	M	3	**462.2863**	231.6471
1322.6302	11	K	2	331.2458	166.1268
	12	R	1	**175.1195**	88.0637

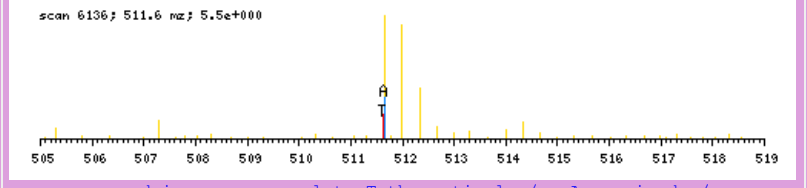
N-term:+29.04 K(11):+156.13

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

AYLTIEQLLEKR, MH+ 1532.9052, m/z 511.6399
L OS G15 P120811 220811-s1.06137.06137.3.dta



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



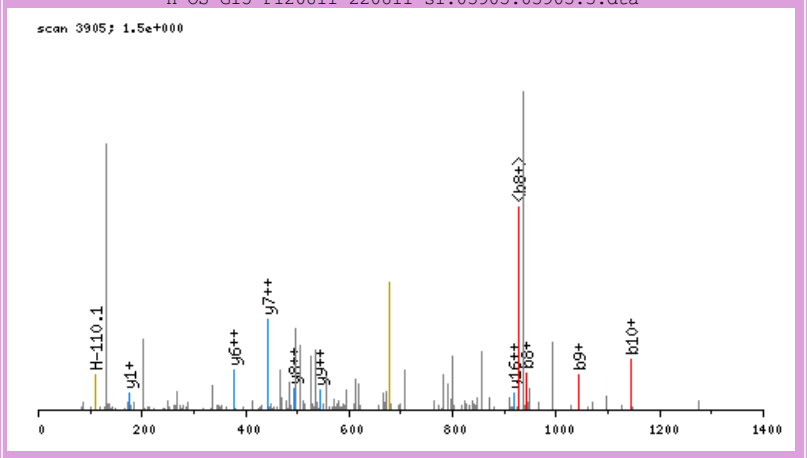
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
100.0762	1	A	12		
263.1395	2	Y	11	1433.8368	717.4223
376.2236	3	L	10	1270.7735	635.8907
477.2713	4	T	9	1157.6894	579.3486
590.3553	5	I	8	1056.6418	528.8248
719.3979	6	E	7	943.5577	472.2828
847.4565	7	Q	6	814.5151	407.7615
960.5406	8	L	5	686.4565	343.7322
1073.6246	9	L	4	573.3725	287.1901
1202.6672	10	E	3	460.2884	230.6481
1358.7935	11	K	2	331.2458	166.1268
	12	R	1	175.1195	88.0637

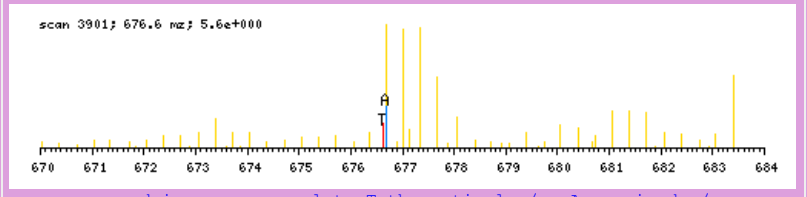
N-term:+29.04 K(11):+156.13

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

CAPYNTSDTTETSNNYR, MH+ 2027.8828, m/z 676.6325
H OS G15 P120811 220811-s1.03905.03905.3.dta



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



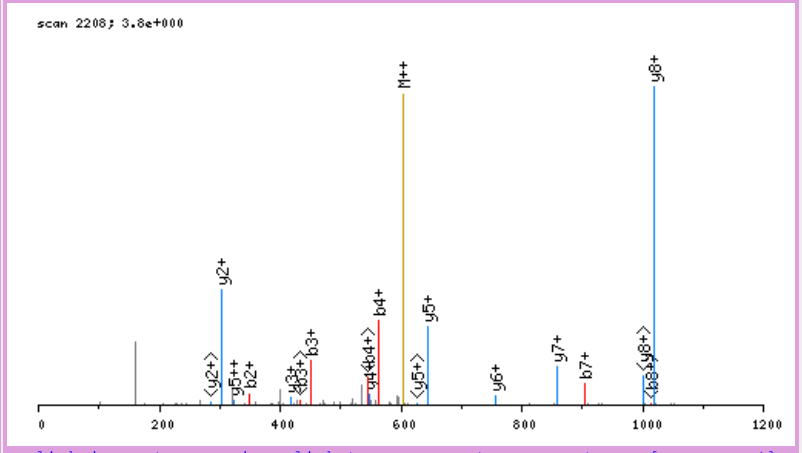
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	17		
266.1386	2	A	16	1833.7891	**917.3985**
363.1914	3	P	15	1762.7520	881.8799
526.2547	4	Y	14	1665.6992	833.3535
640.2976	5	N	13	1502.6359	751.8219
741.3453	6	T	12	1388.5930	694.8004
828.3773	7	S	11	1287.5453	644.2766
943.4043	8	D	10	1200.5133	600.7606
1044.4520	9	T	9	1085.4863	**543.2471**
1145.4996	10	T	8	984.4387	**492.7232**
1274.5422	11	E	7	883.3910	**442.1994**
1375.5899	12	T	6	754.3484	**377.6781**
1462.6219	13	S	5	653.3007	327.1543
1576.6649	14	N	4	566.2687	283.6383
1690.7078	15	N	3	452.2258	226.6168
1853.7711	16	Y	2	338.1828	169.5953
	17	R	1	**175.1195**	88.0637

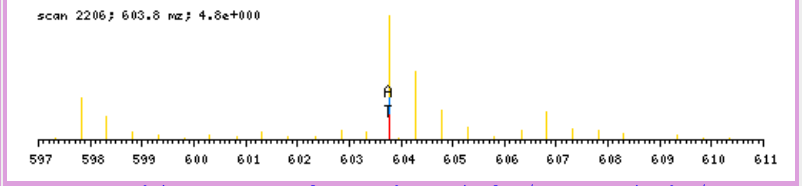
N-term:+35.07 C(1):+160.03

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

CCTLPEDQR, MH+ 1206.5246, m/z 603.7659
L OS G14 P120811 220811-s1.02208.02208.2.dta



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



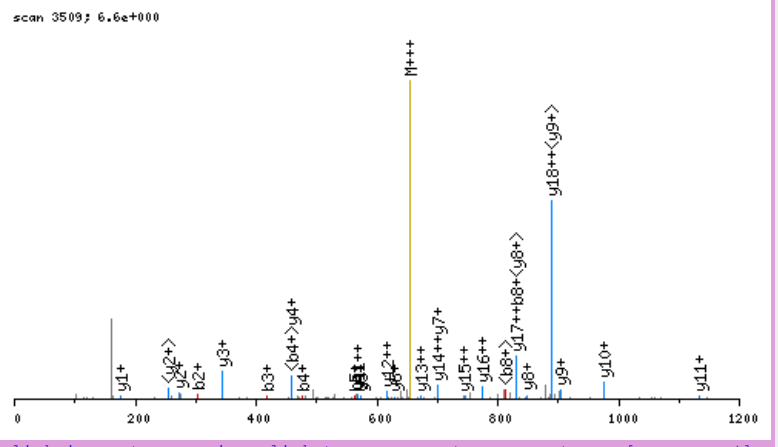
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	9		
349.1003	2	C	8	**1018.4627**	509.7353
450.1480	3	T	7	**858.4321**	429.7200
563.2320	4	L	6	**757.3844**	379.1961
660.2848	5	P	5	**644.3004**	**322.6541**
789.3274	6	E	4	**547.2476**	274.1277
904.3543	7	D	3	**418.2050**	209.6064
1032.4129	8	Q	2	**303.1781**	152.0930
	9	R	1	175.1195	88.0637

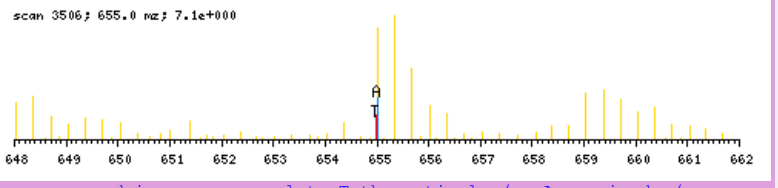
N-term:+29.04 C(1):+160.03
C(2):+160.03

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

CDNGSGLVKAGFAGDDAPR, MH+ 1962.9343, m/z 654.9830
L OS G15 P120811 220811-s1.03509.03509.3.dta



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



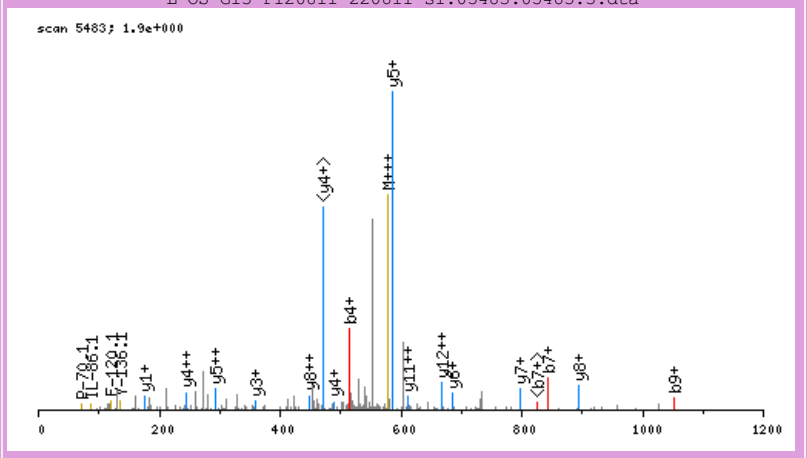
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	19		
304.0966	2	D	18	1774.8724	**887.9401**
418.1396	3	N	17	1659.8455	**830.4267**
475.1610	4	G	16	1545.8026	**773.4052**
562.1931	5	S	15	1488.7811	**744.8945**
619.2145	6	G	14	1401.7491	**701.3785**
732.2986	7	L	13	1344.7276	**672.8677**
831.3670	8	V	12	1231.6435	**616.3257**
987.4933	9	K	11	**1132.5751**	**566.7915**
1058.5304	10	A	10	**976.4488**	488.7283
1115.5519	11	G	9	**905.4117**	453.2098
1262.6203	12	F	8	**848.3903**	424.6990
1333.6574	13	A	7	**701.3218**	351.1648
1390.6789	14	G	6	**630.2847**	315.6463
1505.7058	15	D	5	**573.2633**	287.1355
1620.7328	16	D	4	**458.2363**	229.6221
1691.7699	17	A	3	**343.2094**	172.1086
1788.8226	18	P	2	**272.1723**	136.5900
	19	R	1	**175.1195**	88.0637

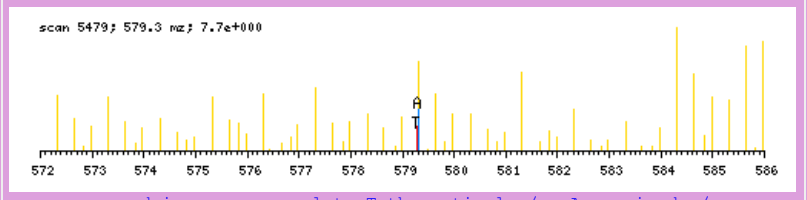
N-term:+29.04 C(1):+160.03
K(9):+156.13

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

CDPNPDDPLVPEIAR, MH+ 1735.8324, m/z 579.2823
L OS G13 P120811 220811-s1.05483.05483.3.dta



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



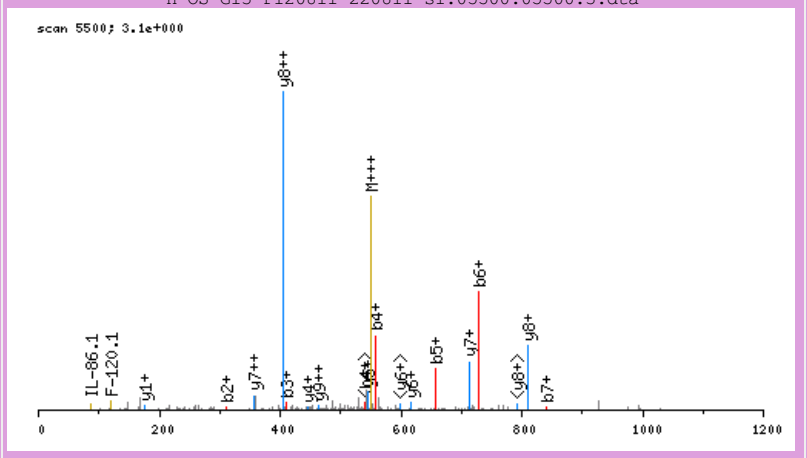
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	15		
304.0966	2	D	14	1547.7706	774.3892
401.1494	3	P	13	1432.7436	716.8757
515.1923	4	N	12	1335.6909	**668.3493**
612.2451	5	P	11	1221.6479	**611.3279**
727.2720	6	D	10	1124.5952	562.8015
842.2990	7	D	9	1009.5682	505.2880
939.3517	8	P	8	**894.5413**	**447.7746**
1052.4358	9	L	7	**797.4885**	399.2482
1151.5042	10	V	6	**684.4044**	342.7061
1248.5570	11	P	5	**585.3360**	**293.1719**
1377.5996	12	E	4	**488.2833**	**244.6455**
1490.6836	13	I	3	**359.2407**	180.1243
1561.7208	14	A	2	246.1566	123.5822
	15	R	1	**175.1195**	88.0637

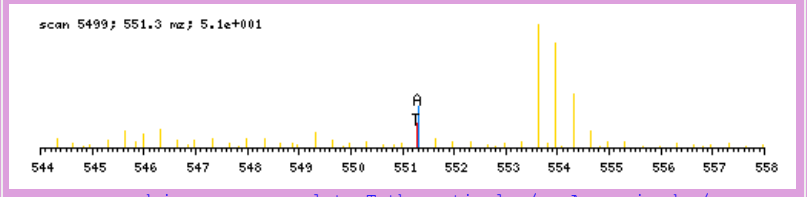
N-term:+29.04 C(1):+160.03

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

CDTFVALPPATVGNR, MH+ 1651.8689, m/z 551.2945
H OS G13 P120811 220811-s1.05500.05500.3.dta



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



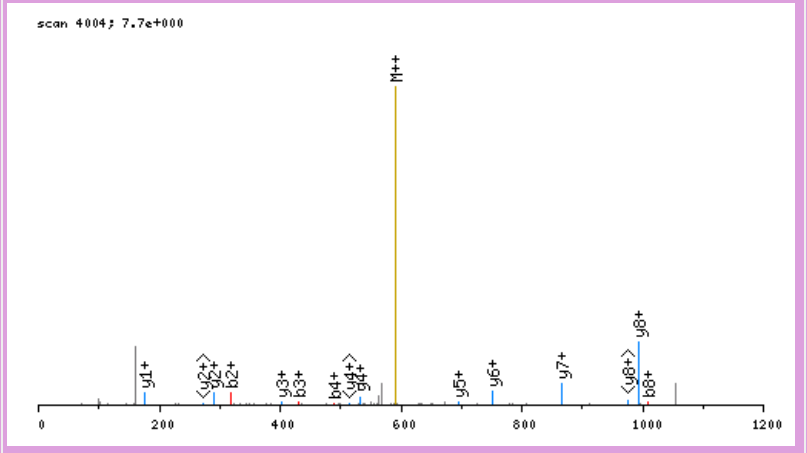
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

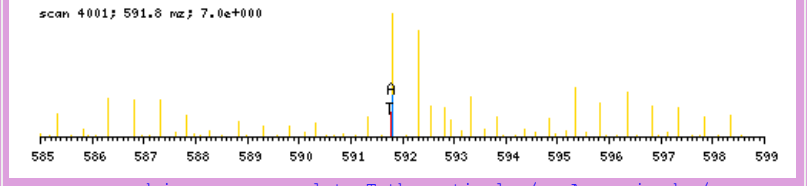
N-term:+35.07 C(1):+160.03

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+ 1182.5464, m/z 591.7769
L OS G14 P120811 220811-s1.04004.04004.2.dta



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



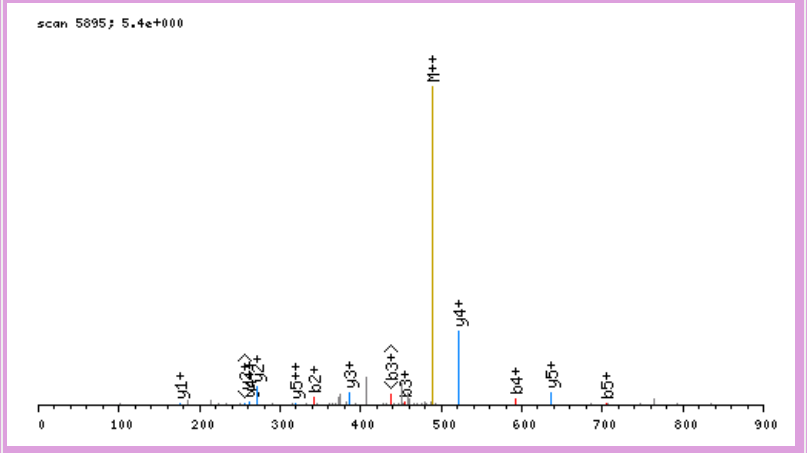
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	9		
318.1123	2	E	8	994.4846	497.7462
431.1964	3	I	7	865.4420	433.2249
488.2178	4	G	6	752.3579	376.6829
651.2811	5	Y	5	695.3364	348.1721
780.3237	6	E	4	532.2731	266.6405
893.4078	7	L	3	403.2305	202.1192
1008.4347	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

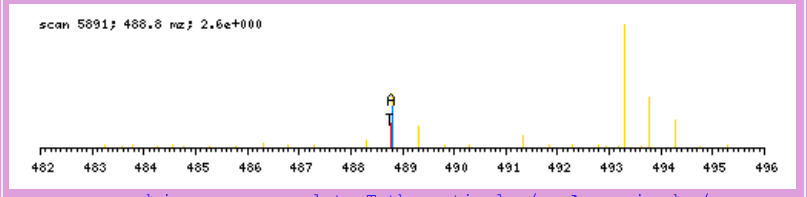
N-term:+29.04 C(1):+160.03

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

CFLHLPR, MH+ 976.5614, m/z 488.7843
H OS G14 P120811 220811-s1.05895.05895.2.dta



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



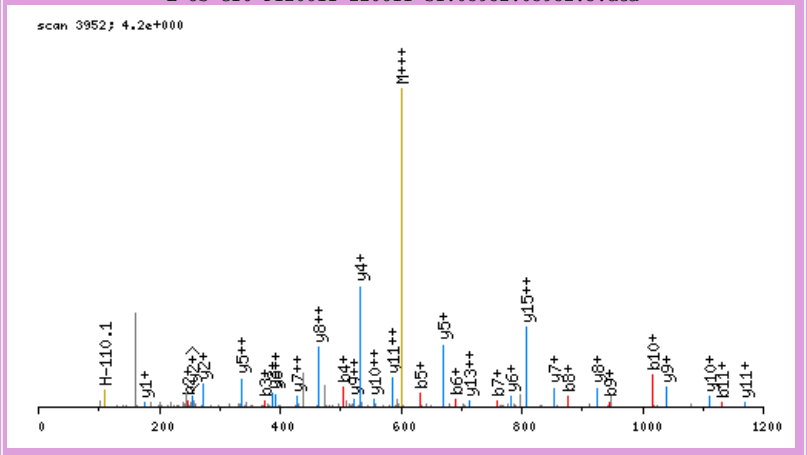
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
195.1015	1	C	7		
342.1699	2	F	6	782.4677	391.7378
455.2540	3	L	5	635.3993	318.2036
592.3129	4	H	4	522.3152	261.6615
705.3970	5	L	3	385.2563	193.1321
802.4497	6	P	2	272.1723	136.5900
	7	R	1	175.1195	88.0637

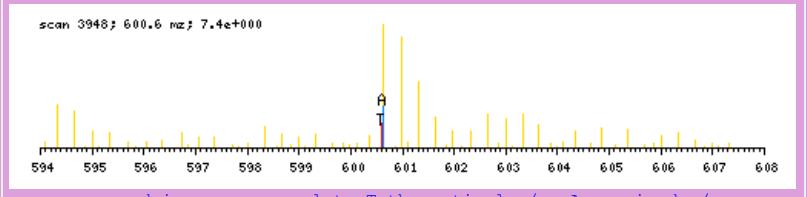
N-term:+35.07 C(1):+160.03

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

CGEEQGADAALHFNPR, MH+ 1799.8134, m/z 600.6093
L OS G16 P120811 220811-s1.03952.03952.3.dta



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



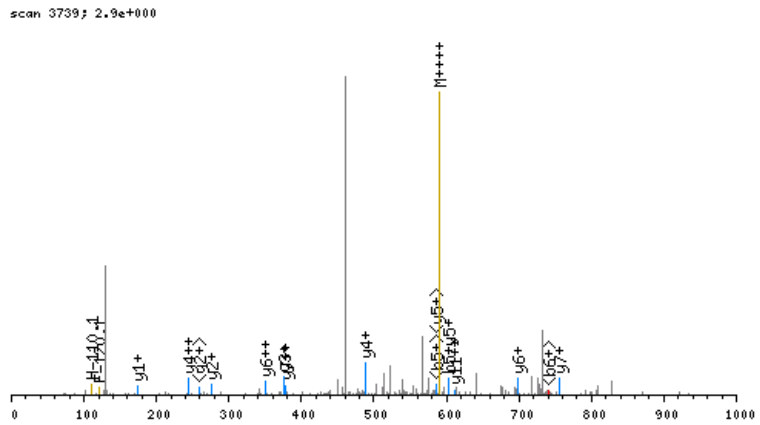
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

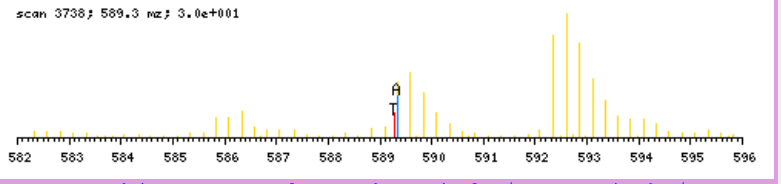
N-term:+29.04 C(1):+160.03

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

CKAADKDTCFSTEGPNLVTR, MH+ 2354.1484, m/z 589.2926
L OS G17 P120811 220811-s1.03739.03739.4.dta



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



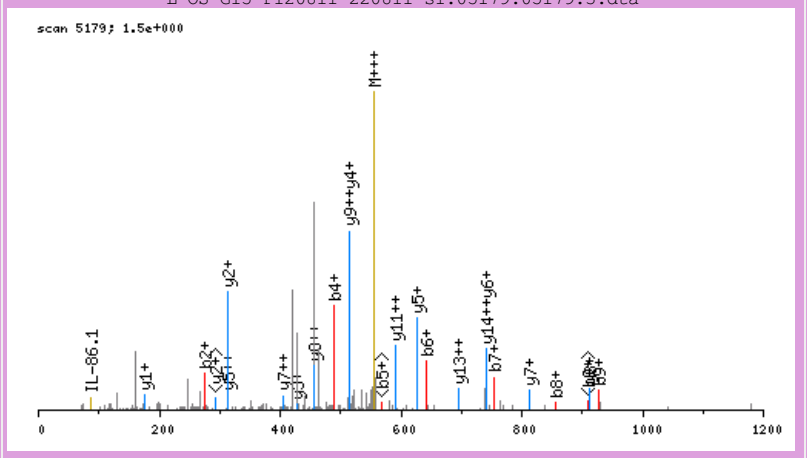
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

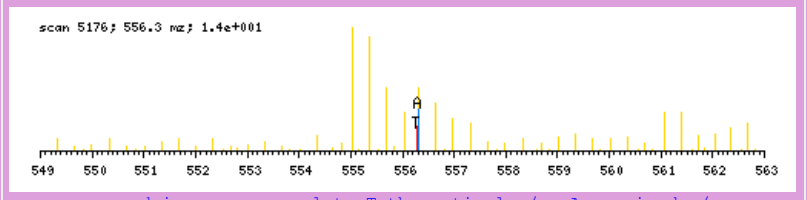
N-term:+29.04 C(1):+160.03
K(2):+156.13 K(6):+156.13 C(9):+160.03

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

CSPDPGLTALLSDHR, MH+ 1666.8222, m/z 556.2789
L OS G15 P120811 220811-s1.05179.05179.3.dta



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



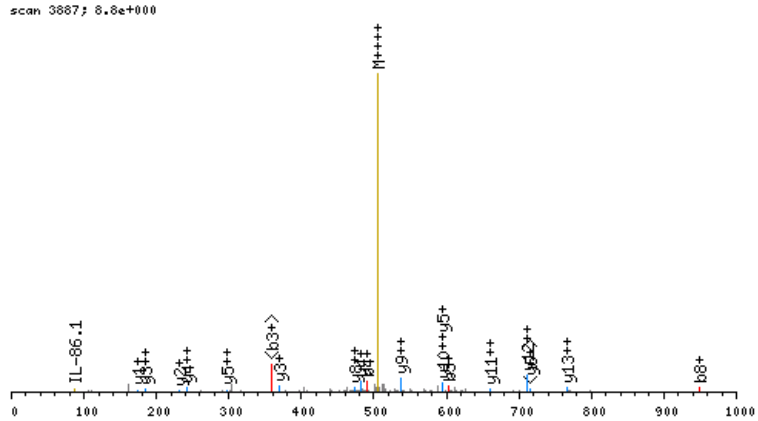
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

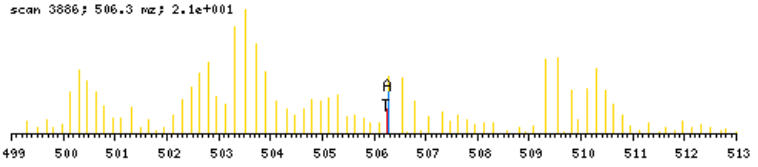
N-term:+29.04 C(1):+160.03

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

CTSIITEDEKGHLLHGR, MH+ 2022.0442, m/z 506.2665
L OS G18 P120811 220811-s1.03887.03887.4.dta



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



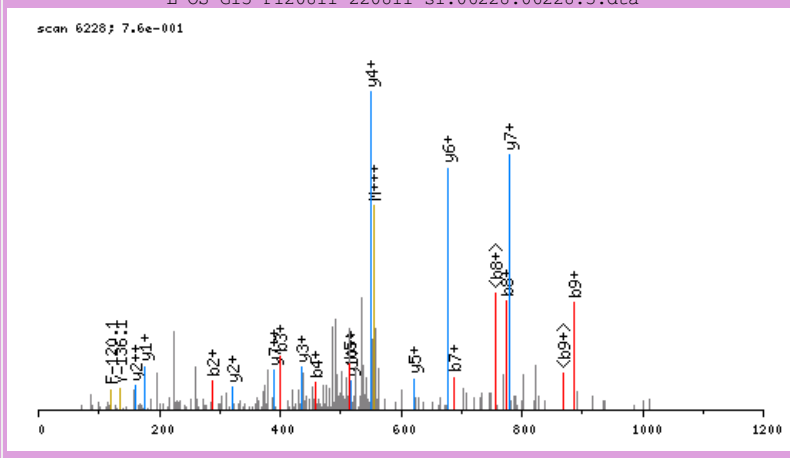
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	17		
290.1174	2	T	16	1833.9823	917.4951
377.1494	3	S	15	1732.9346	866.9712
490.2335	4	I	14	1645.9026	823.4552
603.3175	5	I	13	1532.8186	**766.9132**
704.3652	6	T	12	1419.7345	**710.3712**
833.4078	7	E	11	1318.6868	**659.8473**
948.4347	8	D	10	1189.6442	**595.3260**
1077.4773	9	E	9	1074.6173	**537.8125**
1233.6036	10	K	8	945.5747	**473.2913**
1290.6251	11	G	7	789.4484	395.2281
1427.6840	12	H	6	732.4269	366.7174
1540.7681	13	L	5	**595.3680**	**298.1879**
1653.8521	14	L	4	**482.2839**	**241.6459**
1790.9111	15	H	3	**369.1999**	**185.1039**
1847.9325	16	G	2	**232.1410**	116.5744
	17	R	1	**175.1195**	88.0637

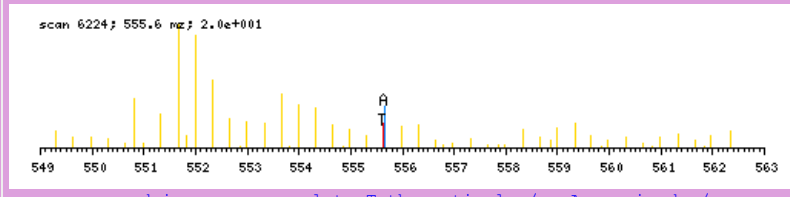
N-term:+29.04 C(1):+160.03
K(10):+156.13

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

CVIGGDGSLTGANIFR, MH+ 1664.8429, m/z 555.6192
L OS G13 P120811 220811-s1.06228.06228.3.dta



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



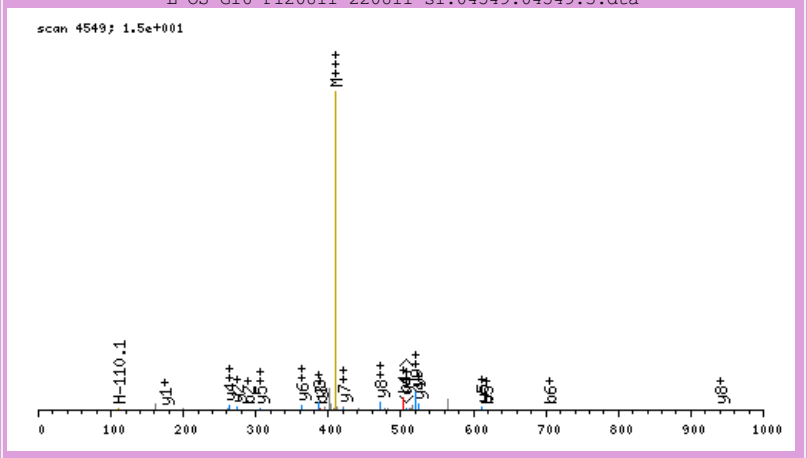
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
189.0697	1	C	16		
288.1381	2	V	15	1476.7811	738.8944
401.2222	3	I	14	1377.7127	689.3602
458.2436	4	G	13	1264.6286	632.8182
515.2651	5	G	12	1207.6071	604.3075
630.2920	6	D	11	1150.5857	575.7967
687.3135	7	G	10	1035.5587	**518.2833**
774.3455	8	S	9	978.5373	489.7725
887.4296	9	L	8	891.5052	446.2565
988.4773	10	T	7	**778.4212**	**389.7145**
1045.4987	11	G	6	**677.3735**	339.1907
1116.5359	12	A	5	**620.3520**	310.6799
1230.5788	13	N	4	**549.3149**	275.1614
1343.6629	14	I	3	**435.2720**	218.1399
1490.7313	15	F	2	**322.1879**	**161.5979**
	16	R	1	**175.1195**	88.0637

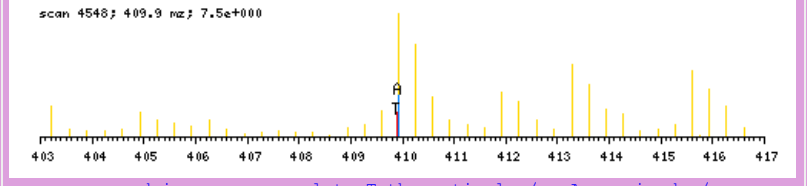
N-term:+29.04 C(1):+160.03

CVTDISHLVR, MH+ 1227.6519, m/z 409.8888
L OS G16 P120811 220811-s1.04549.04549.3.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±]



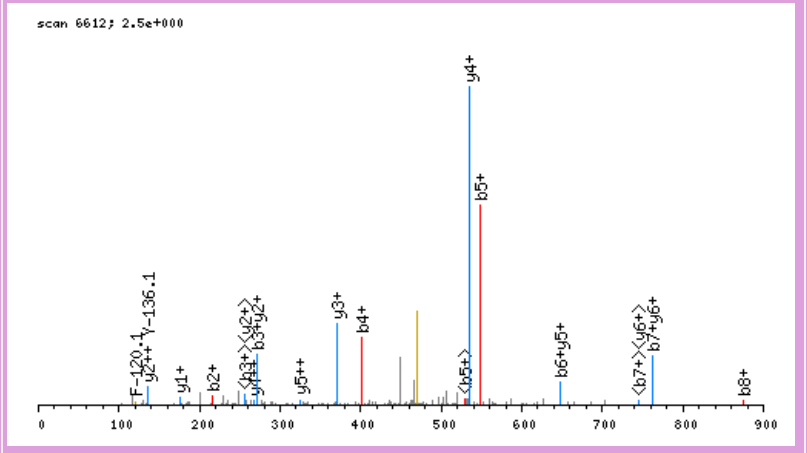
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

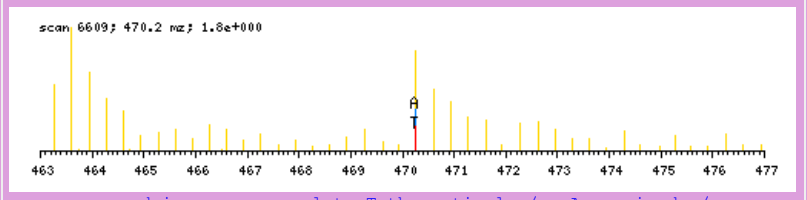
N-term:+29.04 C(1):+160.03

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

DAGEFVDLYVPR, MH+ 1408.7112, m/z 470.2419
L OS G13 P120811 220811-s1.06612.06612.3.dta



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



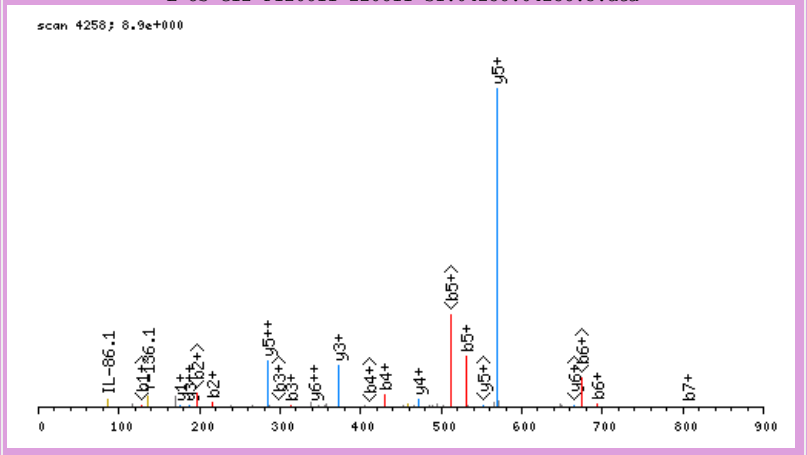
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

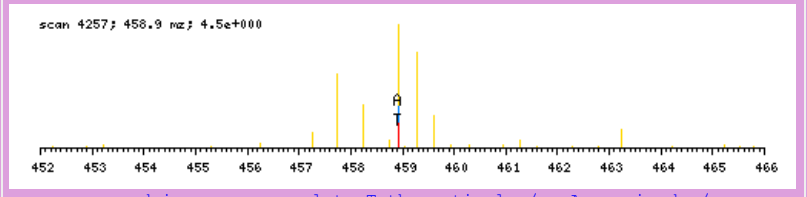
N-term:+29.04

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

DAVDTYIPVPTR, MH+ 1374.7269, m/z 458.9138
L OS G12 P120811 220811-s1.04258.04258.3.dta



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



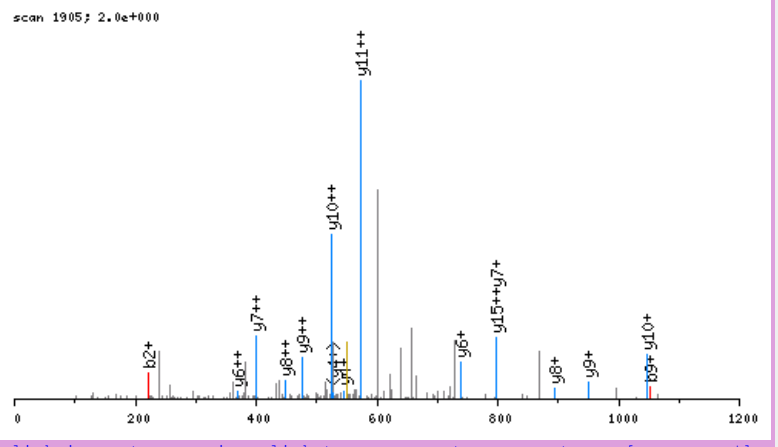
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

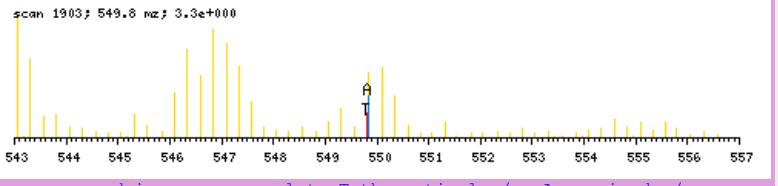
N-term:+29.04

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

DAVERPRPPPPGPGPPWSPR, MH+ 2196.1890, m/z 549.8027
H OS G17 P120811 220811-s1.01905.01905.4.dta



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



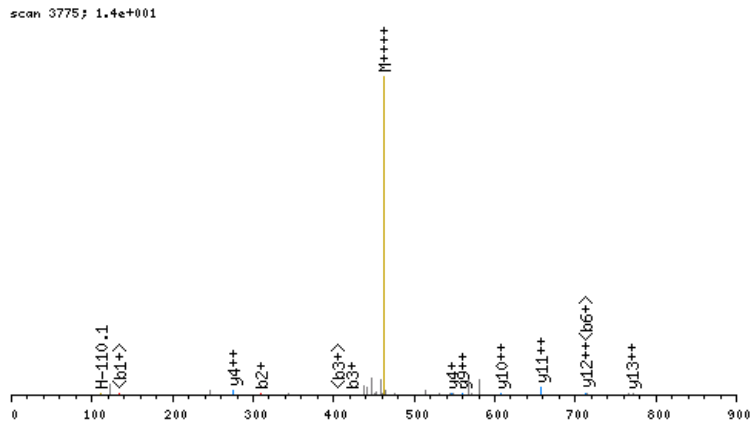
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	20		
221.1350	2	A	19	2047.0990	1024.0534
320.2034	3	V	18	1976.0619	988.5348
449.2460	4	E	17	1876.9935	939.0006
605.3471	5	R	16	1747.9509	874.4793
702.3998	6	P	15	1591.8498	**796.4288**
858.5009	7	R	14	1494.7970	747.9024
955.5537	8	P	13	1338.6959	669.8519
1052.6065	9	P	12	1241.6431	621.3255
1149.6592	10	P	11	1144.5904	**572.7991**
1246.7120	11	P	10	**1047.5376**	**524.2727**
1303.7335	12	G	9	**950.4848**	**475.7463**
1400.7862	13	P	8	**893.4634**	**447.2356**
1457.8077	14	G	7	**796.4106**	**398.7092**
1554.8605	15	P	6	**739.3891**	**370.1985**
1651.9132	16	P	5	642.3364	321.6721
1837.9925	17	W	4	**545.2836**	273.1457
1925.0246	18	S	3	359.2043	180.1061
2022.0773	19	P	2	272.1723	136.5900
	20	R	1	175.1195	88.0637

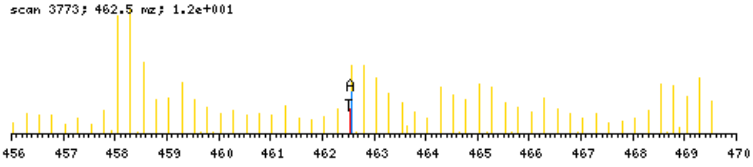
N-term:+35.07

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

DCILPPTRPTDKPLR, MH+ 1847.0849, m/z 462.5267
H OS G17 P120811 220811-s1.03775.03775.4.dta



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



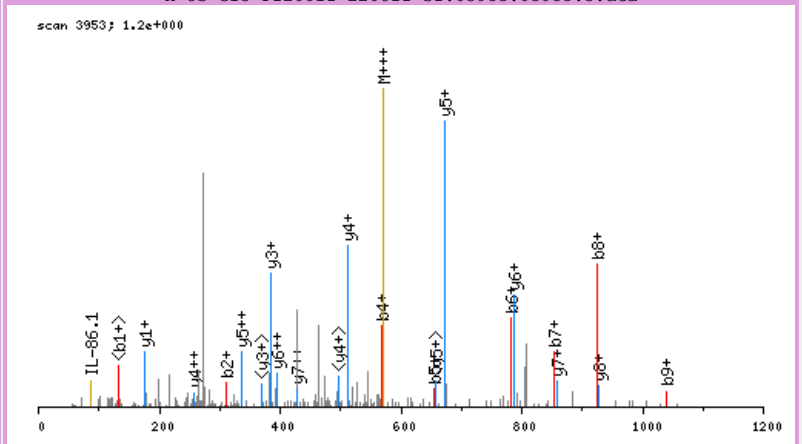
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
310.1284	2	C	14	1697.9949	849.5013
423.2125	3	I	13	1537.9643	**769.4860**
536.2966	4	L	12	1424.8802	**712.9440**
633.3493	5	P	11	1311.7961	**656.4020**
730.4021	6	P	10	1214.7434	**607.8756**
831.4498	7	T	9	1117.6906	**559.3492**
987.5509	8	R	8	1016.6429	508.8254
1084.6037	9	P	7	860.5418	430.7748
1185.6513	10	T	6	763.4891	382.2484
1300.6783	11	D	5	662.4414	331.7246
1462.8364	12	K	4	**547.4144**	**274.2111**
1559.8891	13	P	3	385.2563	193.1321
1672.9732	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

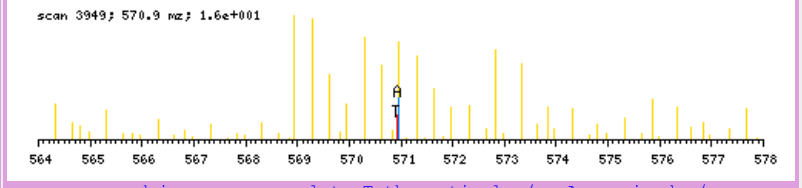
N-term:+35.07 C(2):+160.03
K(12):+162.16

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

DCPCSEAALCQPIR, MH+ 1710.7824, m/z 570.9323
H OS G13 P120811 220811-s1.03953.03953.3.dta



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



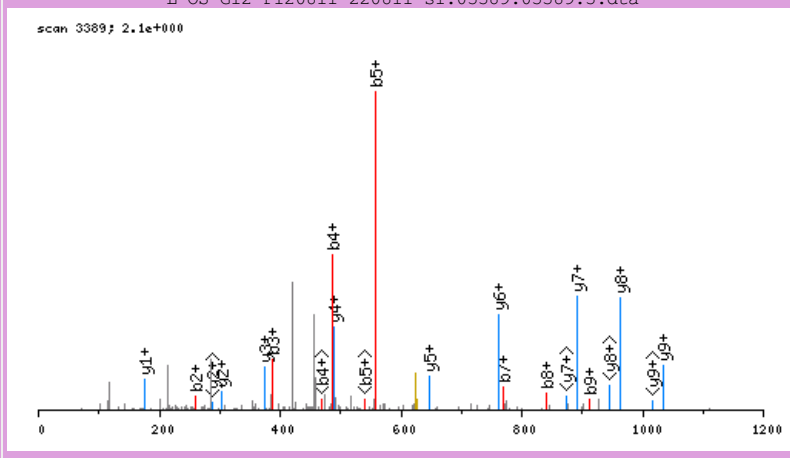
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

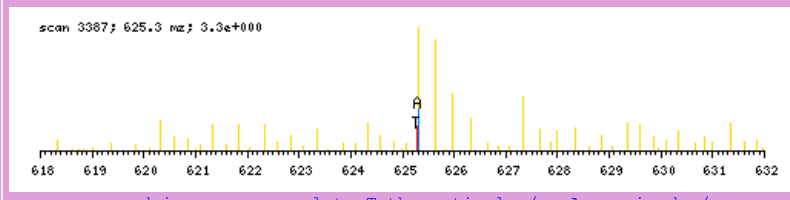
N-term:+35.07 C(2):+160.03
C(4):+160.03 C(10):+160.03

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

DDEVAPDAAAENCLAER, MH+ 1873.8237, m/z 625.2794
L OS G12 P120811 220811-s1.03389.03389.3.dta



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



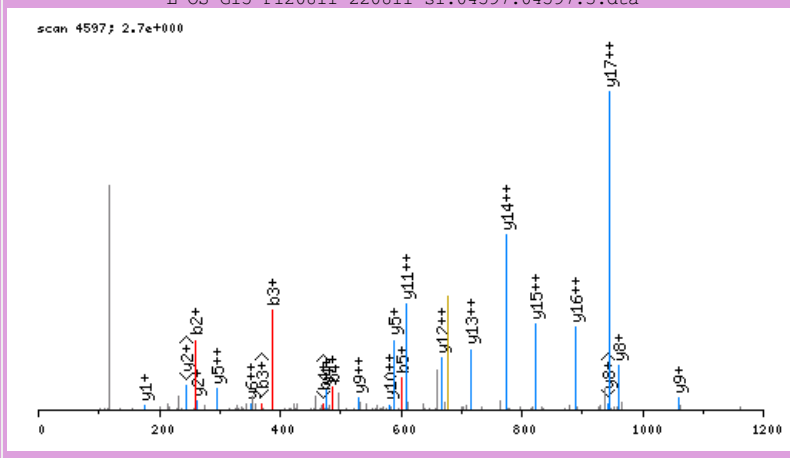
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

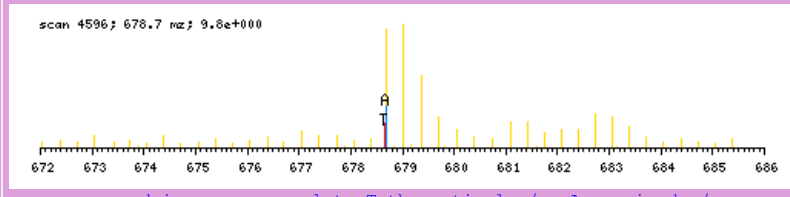
N-term:+29.04 C(13):+160.03

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+ 2033.9515, m/z 678.6554
L OS G15 P120811 220811-s1.04597.04597.3.dta



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

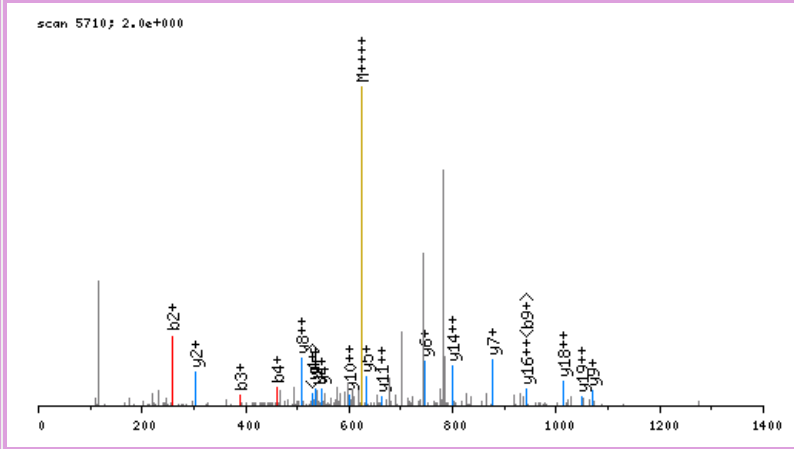


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

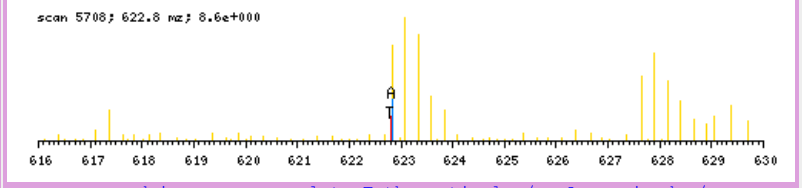
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
259.0930	2	D	17	1890.8933	945.9506
388.1356	3	E	16	1775.8663	888.4371
487.2040	4	V	15	1646.8238	823.9158
602.2309	5	D	14	1547.7553	774.3816
701.2994	6	V	13	1432.7284	716.8681
816.3263	7	D	12	1333.6600	667.3339
873.3478	8	G	11	1218.6330	609.8204
974.3954	9	T	10	1161.6116	581.3097
1073.4638	10	V	9	1060.5639	530.7859
1202.5064	11	E	8	961.4955	481.2517
1331.5490	12	E	7	832.4529	416.7304
1446.5760	13	D	6	703.4103	352.2091
1559.6600	14	L	5	588.3834	294.6956
1616.6815	15	G	4	475.2993	238.1536
1772.8078	16	K	3	418.2778	209.6428
1859.8398	17	S	2	262.1515	131.5797
	18	R	1	175.1195	88.0637

N-term:+29.04 K(16):+156.13

DDMAAAMKAVTEQGHELSNEER, MH+ 2488.1448, m/z 622.7917
L OS G16 P120811 220811-s1.05710.05710.4.dta



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



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

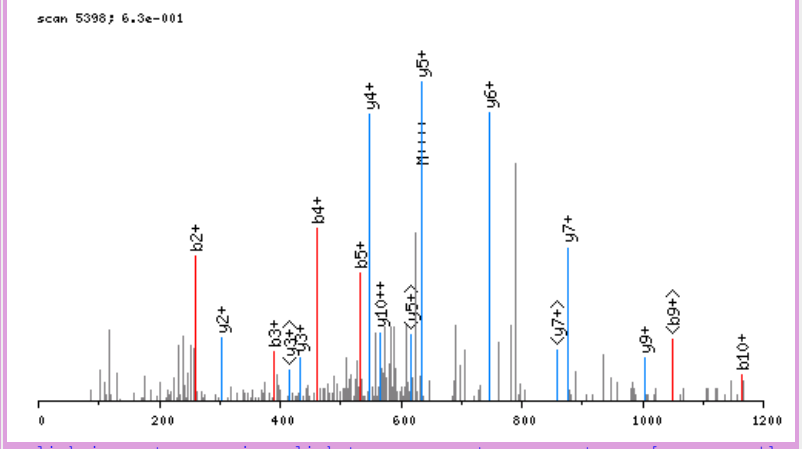
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	22		
259.0930	2	D	21	2345.0866	1173.0472
390.1335	3	M	20	2230.0597	1115.5337
461.1706	4	A	19	2099.0192	**1050.0135**
532.2077	5	A	18	2027.9821	**1014.4949**
603.2448	6	A	17	1956.9450	978.9764
734.2853	7	M	16	1885.9078	**943.4578**
890.4116	8	K	15	1754.8674	877.9376
961.4487	9	A	14	1598.7411	**799.8744**
1060.5171	10	V	13	1527.7039	764.3559
1161.5648	11	T	12	1428.6355	714.8217
1290.6074	12	E	11	1327.5878	**664.2978**
1418.6660	13	Q	10	1198.5453	**599.7765**
1475.6874	14	G	9	**1070.4867**	**535.7473**
1612.7463	15	H	8	1013.4652	**507.2365**
1741.7889	16	E	7	**876.4063**	438.7071
1854.8730	17	L	6	**747.3637**	374.1858
1941.9050	18	S	5	**634.2796**	317.6437
2055.9480	19	N	4	**547.2476**	274.1277
2184.9906	20	E	3	433.2047	217.1063
2314.0331	21	E	2	**304.1621**	152.5850
	22	R	1	175.1195	88.0637

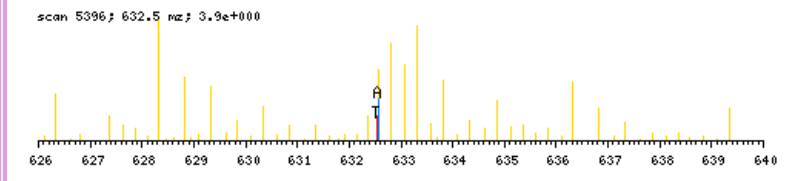
N-term:+29.04 K(8):+156.13

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

DDMAACMKSVTEQGAELSNEER, MH+ 2527.1114, m/z 632.5333
L OS G14 P120811 220811-s1.05398.05398.4.dta



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



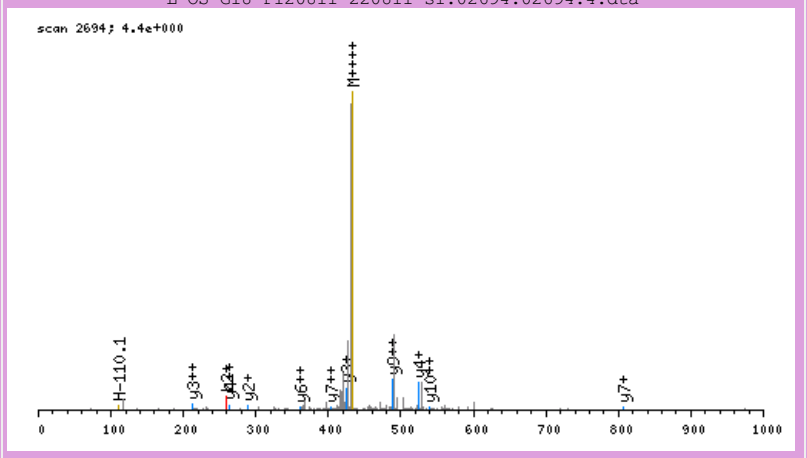
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	22		
259.0930	2	D	21	2384.0532	1192.5305
390.1335	3	M	20	2269.0263	1135.0170
461.1706	4	A	19	2137.9858	1069.4968
532.2077	5	A	18	2066.9487	1033.9782
692.2383	6	C	17	1995.9116	998.4597
823.2788	7	M	16	1835.8810	918.4444
979.4051	8	K	15	1704.8405	852.9241
1066.4371	9	S	14	1548.7142	774.8610
1165.5055	10	V	13	1461.6821	731.3450
1266.5532	11	T	12	1362.6137	681.8108
1395.5958	12	E	11	1261.5660	631.2869
1523.6544	13	Q	10	1132.5235	**566.7656**
1580.6758	14	G	9	**1004.4649**	502.7364
1651.7130	15	A	8	947.4434	474.2256
1780.7555	16	E	7	**876.4063**	438.7071
1893.8396	17	L	6	**747.3637**	374.1858
1980.8716	18	S	5	**634.2796**	317.6437
2094.9146	19	N	4	**547.2476**	274.1277
2223.9572	20	E	3	**433.2047**	217.1063
2352.9998	21	E	2	**304.1621**	152.5850
	22	R	1	175.1195	88.0637

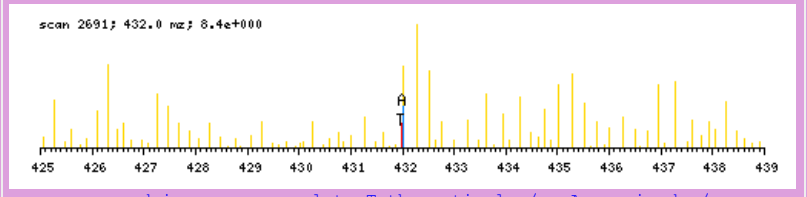
N-term:+29.04 C(6):+160.03
K(8):+156.13

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

DDPHKTPASPVVHIR, MH+ 1724.9448, m/z 431.9917
L OS G18 P120811 220811-s1.02694.02694.4.dta



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



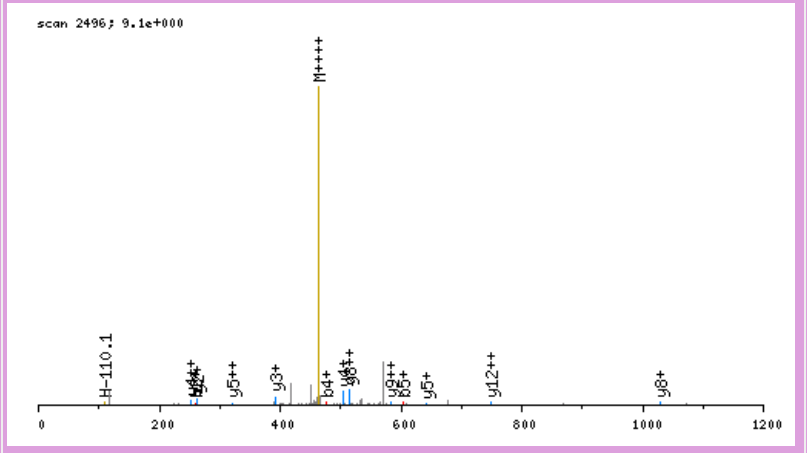
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

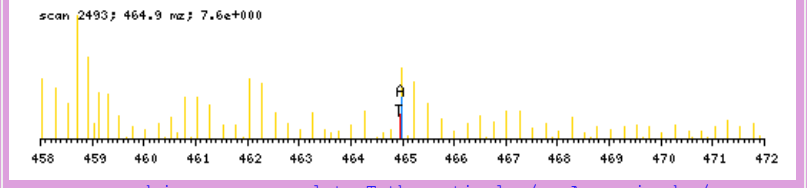
N-term:+29.04 K(5):+156.13

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

DDTDESHCVEHIESR, MH+ 1856.7720, m/z 464.9485
L OS G17 P120811 220811-s1.02496.02496.4.dta



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



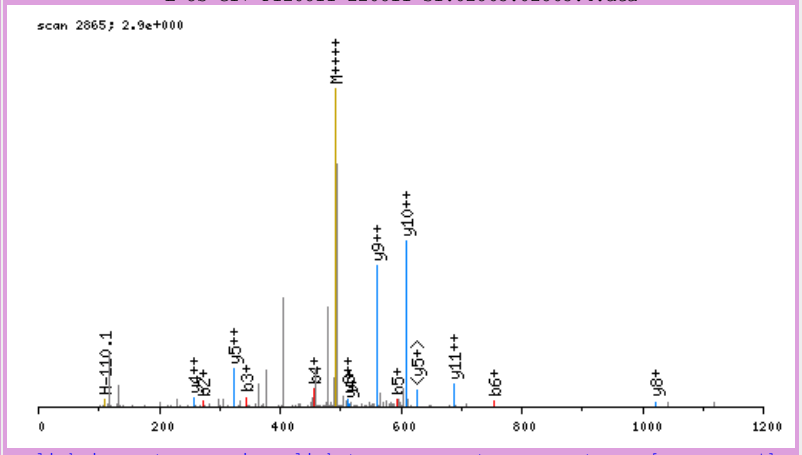
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
259.0930	2	D	14	1713.7138	857.3608
360.1407	3	T	13	1598.6869	799.8473
475.1676	4	D	12	1497.6392	**749.3235**
604.2102	5	E	11	1382.6122	691.8100
691.2422	6	S	10	1253.5696	627.2887
828.3011	7	H	9	1166.5376	**583.7727**
988.3317	8	C	8	**1029.4787**	**515.2433**
1087.4002	9	V	7	869.4481	435.2280
1216.4427	10	E	6	770.3797	385.6938
1353.5017	11	H	5	**641.3371**	**321.1725**
1466.5857	12	I	4	**504.2782**	**252.6430**
1595.6283	13	E	3	**391.1941**	196.1010
1682.6603	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

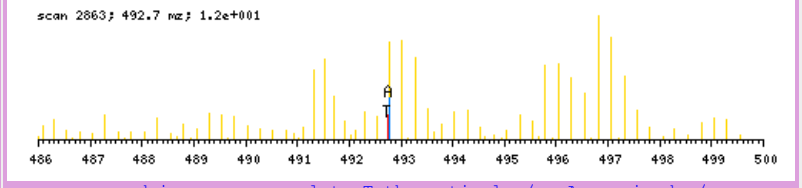
N-term:+29.04 C(8):+160.03

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

DEAIHCPPCSEEKLAR, MH+ 1967.9318, m/z 492.7384
L OS G17 P120811 220811-s1.02865.02865.4.dta



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



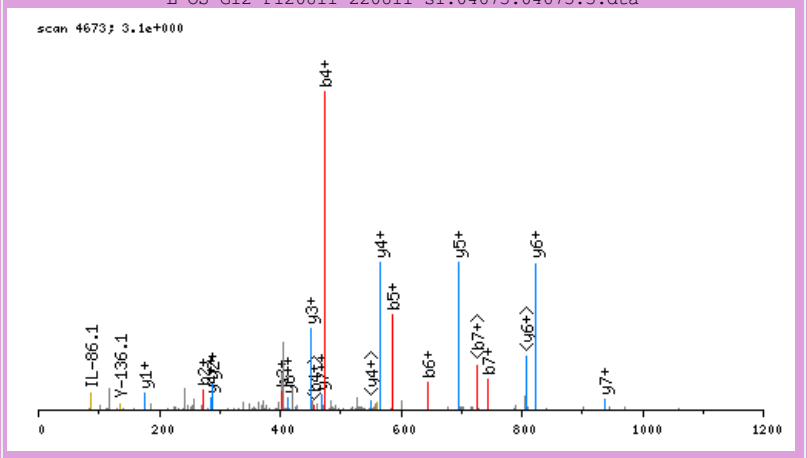
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

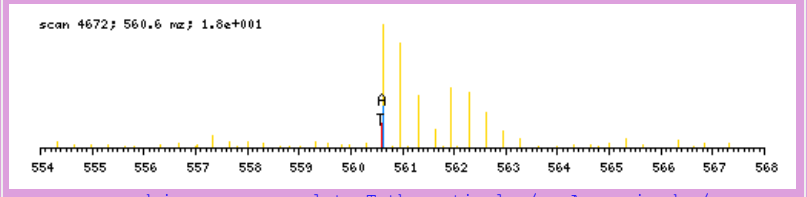
N-term:+29.04 C(6):+160.03
C(9):+160.03 K(13):+156.13

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

DEEAIGTIQEDYLR, MH+ 1679.8128, m/z 560.6091
L OS G12 P120811 220811-s1.04673.04673.3.dta



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

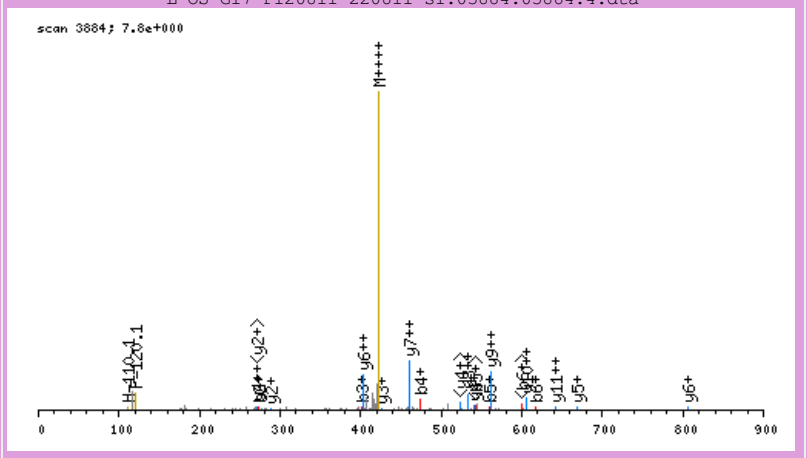


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

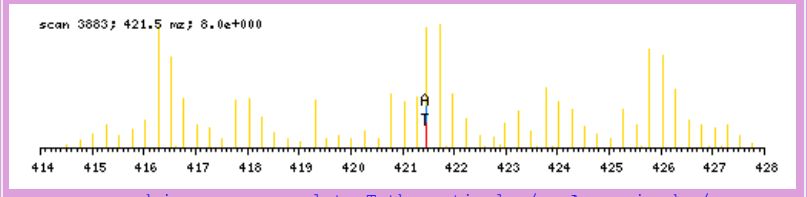
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
273.1086	2	E	13	1536.7546	768.8812
402.1512	3	E	12	1407.7120	704.3599
473.1883	4	A	11	1278.6694	639.8386
586.2724	5	I	10	1207.6323	604.3201
643.2939	6	G	9	1094.5482	547.7780
744.3415	7	T	8	1037.5267	519.2673
857.4256	8	I	7	936.4791	468.7434
985.4842	9	Q	6	823.3950	412.2014
1114.5268	10	E	5	695.3364	348.1721
1229.5537	11	D	4	566.2938	283.6508
1392.6171	12	Y	3	451.2669	226.1374
1505.7011	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

N-term:+29.04

DEEASGFIHEDHLR, MH+ 1682.7774, m/z 421.4498
L OS G17 P120811 220811-s1.03884.03884.4.dta



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



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

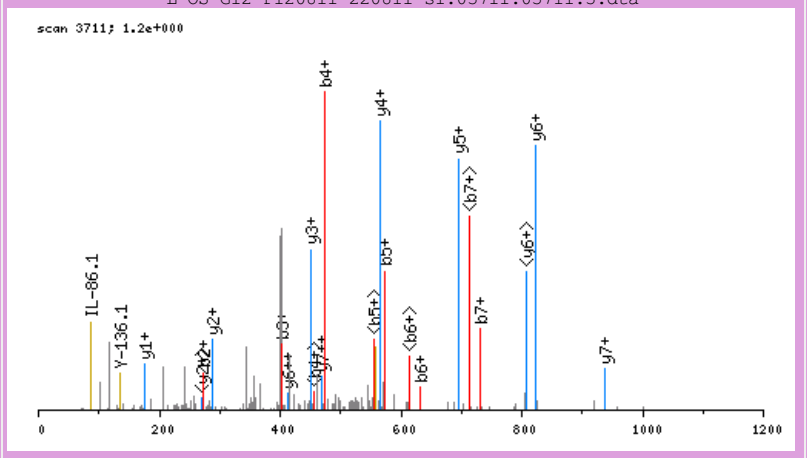
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
273.1086	2	E	13	1539.7192	770.3635
402.1512	3	E	12	1410.6766	705.8422
473.1883	4	A	11	1281.6340	**641.3209**
560.2204	5	S	10	1210.5969	**605.8024**
617.2418	6	G	9	1123.5649	**562.2863**
764.3102	7	F	8	1066.5434	**533.7756**
877.3943	8	I	7	919.4750	**460.2414**
1014.4532	9	H	6	**806.3909**	**403.6994**
1143.4958	10	E	5	**669.3320**	335.1699
1258.5228	11	D	4	**540.2894**	**270.6486**
1395.5817	12	H	3	**425.2625**	213.1352
1508.6657	13	L	2	**288.2036**	144.6057
	14	R	1	175.1195	88.0637

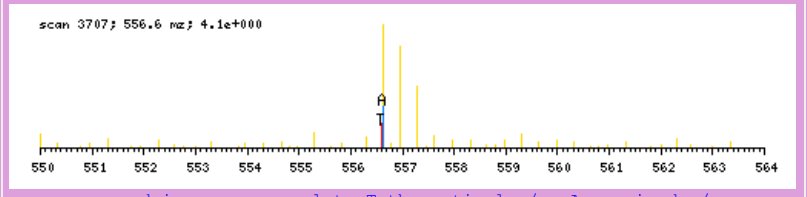
N-term:+29.04

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

DEEATGTIQEDYLR, MH+ 1667.7764, m/z 556.5970
L OS G12 P120811 220811-s1.03711.03711.3.dta



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



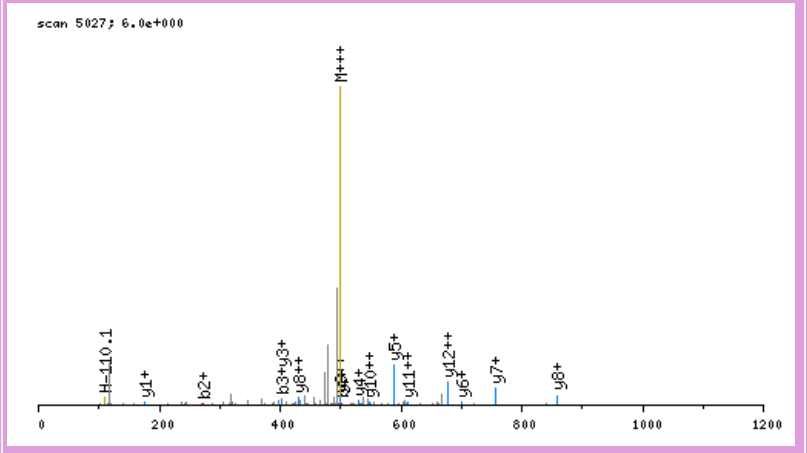
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
273.1086	2	E	13	1524.7182	762.8630
402.1512	3	E	12	1395.6756	698.3417
473.1883	4	A	11	1266.6330	633.8204
574.2360	5	T	10	1195.5959	598.3019
631.2575	6	G	9	1094.5482	547.7780
732.3052	7	T	8	1037.5267	519.2673
845.3892	8	I	7	**936.4791**	**468.7434**
973.4478	9	Q	6	**823.3950**	**412.2014**
1102.4904	10	E	5	**695.3364**	348.1721
1217.5173	11	D	4	**566.2938**	283.6508
1380.5807	12	Y	3	**451.2669**	226.1374
1493.6647	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

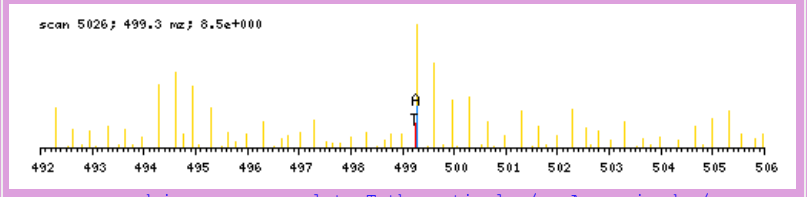
N-term:+29.04

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

DEEVHTGLGELLR, MH+ 1495.7756, m/z 499.2634
L OS G15 P120811 220811-s1.05027.05027.3.dta



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



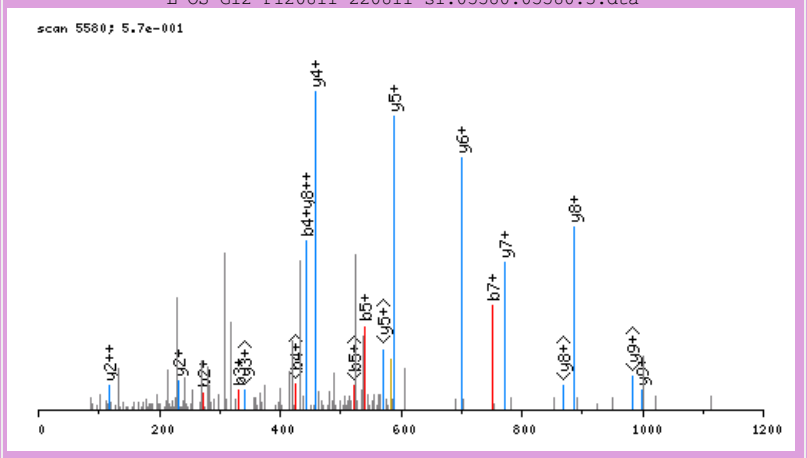
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
273.1086	2	E	12	1352.7174	**676.8626**
402.1512	3	E	11	1223.6748	**612.3413**
501.2196	4	V	10	1094.6322	**547.8200**
638.2786	5	H	9	995.5638	**498.2858**
739.3262	6	T	8	**858.5049**	**429.7564**
796.3477	7	G	7	**757.4572**	379.2325
909.4318	8	L	6	**700.4357**	350.7218
966.4532	9	G	5	**587.3517**	294.1798
1095.4958	10	E	4	**530.3302**	265.6690
1208.5799	11	L	3	**401.2876**	201.1477
1321.6639	12	L	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

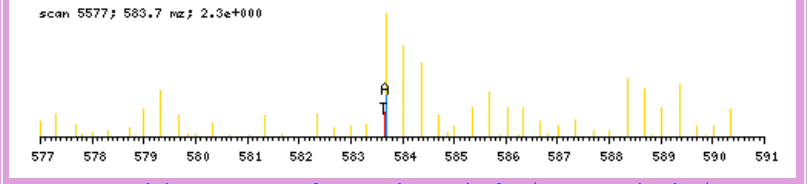
N-term:+29.04

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

DEGLPPILNALEVQGR, MH+ 1748.9546, m/z 583.6564
L OS G12 P120811 220811-s1.05580.05580.3.dta



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



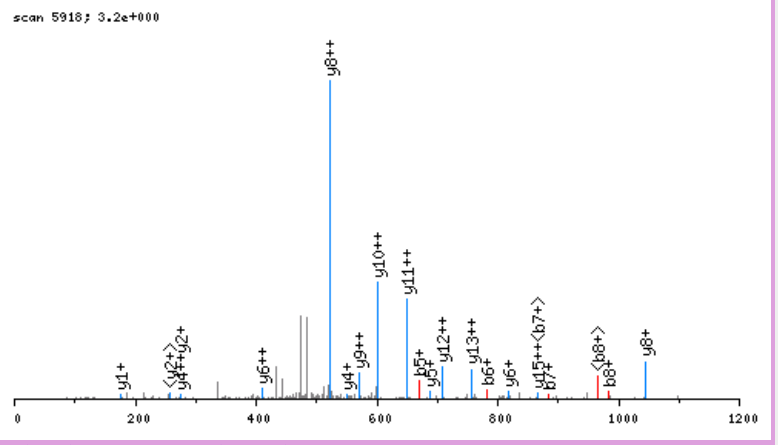
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	16		
273.1086	2	E	15	1605.8964	803.4521
330.1301	3	G	14	1476.8538	738.9308
443.2142	4	L	13	1419.8324	710.4201
540.2669	5	P	12	1306.7483	653.8781
637.3197	6	P	11	1209.6955	605.3517
750.4038	7	I	10	1112.6428	556.8253
863.4878	8	L	9	**999.5587**	500.2833
977.5307	9	N	8	**886.4747**	**443.7412**
1048.5679	10	A	7	**772.4317**	386.7198
1161.6519	11	L	6	**701.3946**	351.2012
1290.6945	12	E	5	**588.3105**	294.6592
1389.7629	13	V	4	**459.2680**	230.1379
1517.8215	14	Q	3	360.1995	180.6037
1574.8430	15	G	2	**232.1410**	**116.5744**
	16	R	1	175.1195	88.0637

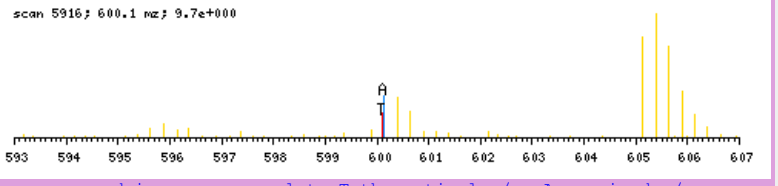
N-term:+29.04

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

DEKLDITTLTGVPEEHIKTR, MH+ 2397.4090, m/z 600.1077
H OS G18 P120811 220811-s1.05918.05918.4.dta



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



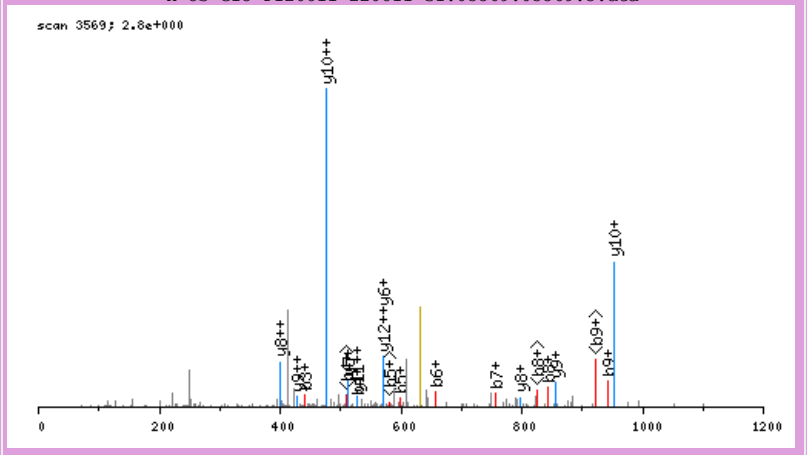
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	20		
279.1404	2	E	19	2248.3189	1124.6634
441.2985	3	K	18	2119.2764	1060.1421
554.3826	4	L	17	1957.1183	979.0630
669.4095	5	D	16	1844.0342	922.5210
782.4936	6	I	15	1729.0072	**865.0075**
883.5413	7	T	14	1615.9232	808.4655
984.5890	8	T	13	1514.8755	**757.9417**
1097.6730	9	L	12	1413.8278	**707.4178**
1198.7207	10	T	11	1300.7438	**650.8758**
1255.7422	11	G	10	1199.6961	**600.3520**
1354.8106	12	V	9	1142.6746	**571.8412**
1451.8633	13	P	8	**1043.6062**	**522.3070**
1580.9059	14	E	7	946.5534	473.7806
1709.9485	15	E	6	**817.5108**	**409.2593**
1847.0074	16	H	5	**688.4683**	344.7380
1960.0915	17	I	4	**551.4093**	**276.2086**
2122.2496	18	K	3	438.3253	219.6666
2223.2973	19	T	2	**276.1672**	138.5875
	20	R	1	**175.1195**	88.0637

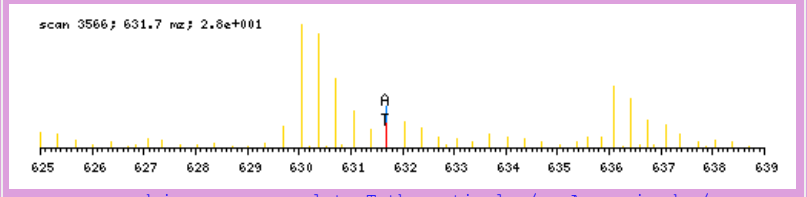
N-term:+35.07 K(3):+162.16
K(18):+162.16

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

DEKSAGVSVPGPMGPSGPR, MH+ 1893.0176, m/z 631.6774
H OS G15 P120811 220811-s1.03569.03569.3.dta



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



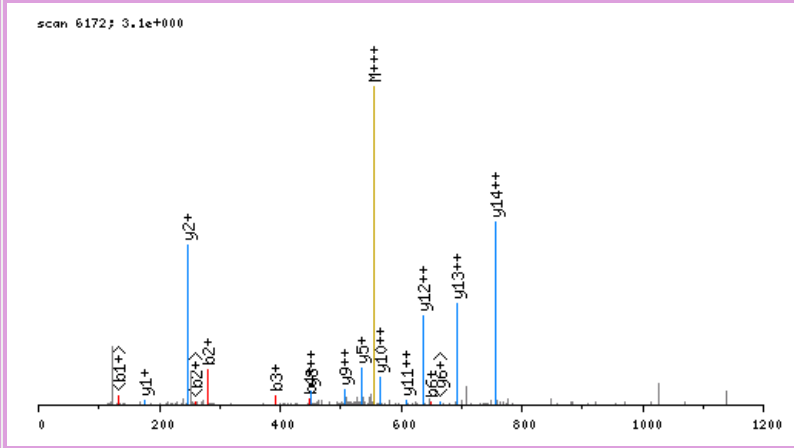
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	19		
279.1404	2	E	18	1743.9276	872.4677
441.2985	3	K	17	1614.8850	807.9464
528.3306	4	S	16	1452.7269	726.8674
599.3677	5	A	15	1365.6949	683.3514
656.3891	6	G	14	1294.6578	647.8328
755.4576	7	V	13	1237.6363	619.3221
842.4896	8	S	12	1138.5679	**569.7879**
941.5580	9	V	11	1051.5359	**526.2718**
1038.6108	10	P	10	**952.4675**	**476.7376**
1095.6322	11	G	9	**855.4147**	**428.2113**
1192.6850	12	P	8	**798.3932**	**399.7005**
1323.7255	13	M	7	701.3405	351.1741
1380.7469	14	G	6	**570.3000**	285.6539
1477.7997	15	P	5	**513.2785**	257.1432
1564.8317	16	S	4	416.2258	208.6168
1621.8532	17	G	3	329.1937	165.1008
1718.9060	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

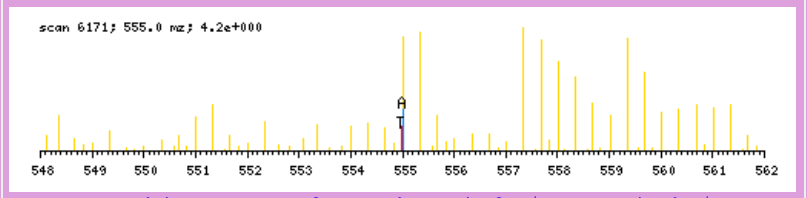
N-term:+35.07 K(3):+162.16

DELGSILKGFSSDAR, MH+ 1662.9339, m/z 554.9828
H OS G15 P120811 220811-s1.06172.06172.3.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±]



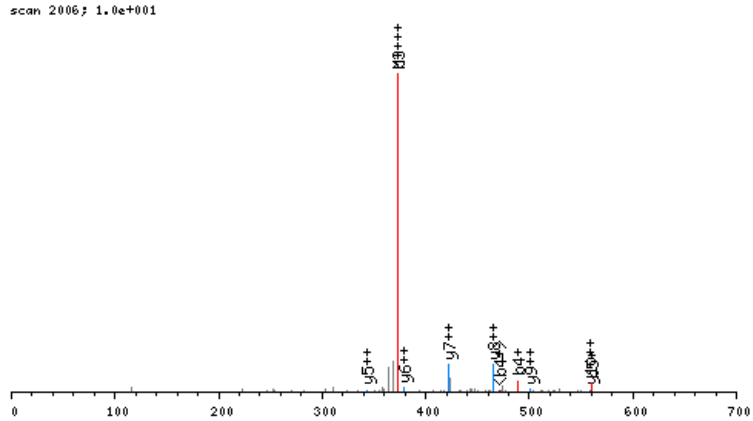
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
279.1404	2	E	14	1513.8439	**757.4258**
392.2245	3	L	13	1384.8013	**692.9046**
449.2460	4	G	12	1271.7172	**636.3625**
536.2780	5	S	11	1214.6957	**607.8518**
649.3621	6	I	10	1127.6637	**564.3358**
762.4461	7	L	9	1014.5797	**507.7937**
924.6042	8	K	8	901.4956	**451.2517**
981.6257	9	G	7	739.3375	370.1727
1128.6941	10	F	6	682.3160	341.6619
1215.7261	11	S	5	**535.2476**	268.1277
1302.7582	12	S	4	448.2156	224.6117
1417.7851	13	D	3	361.1836	181.0957
1488.8222	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

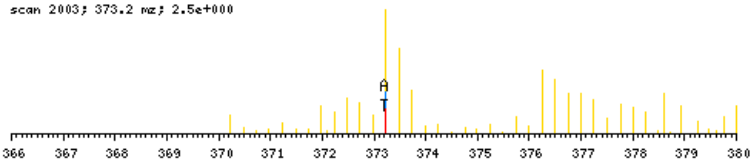
N-term:+35.07 K(8):+162.16

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

DETDASSAVKVKR, MH+ 1489.8226, m/z 373.2111
L OS G17 P120811 220811-s1.02006.02006.4.dta



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



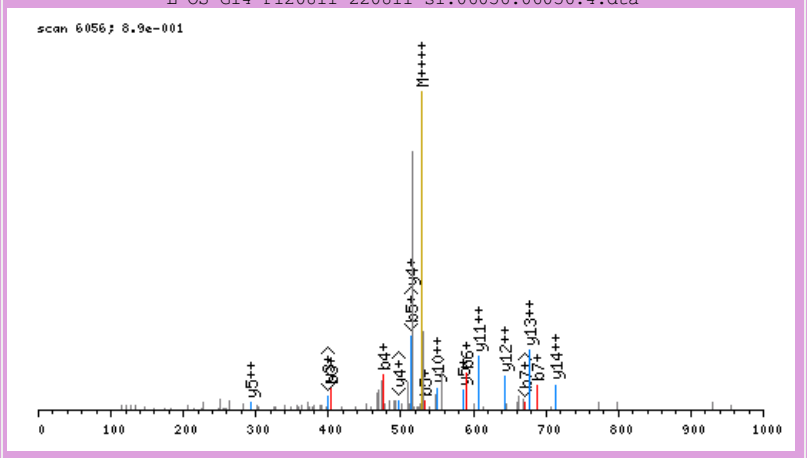
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
273.1086	2	E	12	1346.7644	673.8861
374.1563	3	T	11	1217.7218	609.3648
489.1833	4	D	10	1116.6742	**558.8410**
560.2204	5	A	9	1001.6472	**501.3275**
647.2524	6	S	8	930.6101	**465.8090**
734.2844	7	S	7	843.5781	**422.2929**
805.3215	8	A	6	756.5460	**378.7769**
904.3900	9	V	5	685.5089	**343.2584**
1060.5163	10	K	4	586.4405	293.7242
1159.5847	11	V	3	430.3142	215.6610
1315.7110	12	K	2	331.2458	166.1268
	13	R	1	175.1195	88.0637

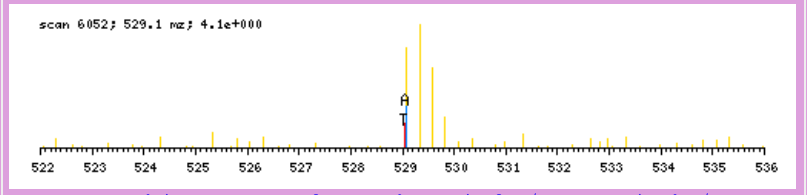
N-term:+29.04 K(10):+156.13
K(12):+156.13

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

DFLAGGVAAAISKTAVAPIER, MH+ 2113.2021, m/z 529.0560
L OS G14 P120811 220811-s1.06056.06056.4.dta



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



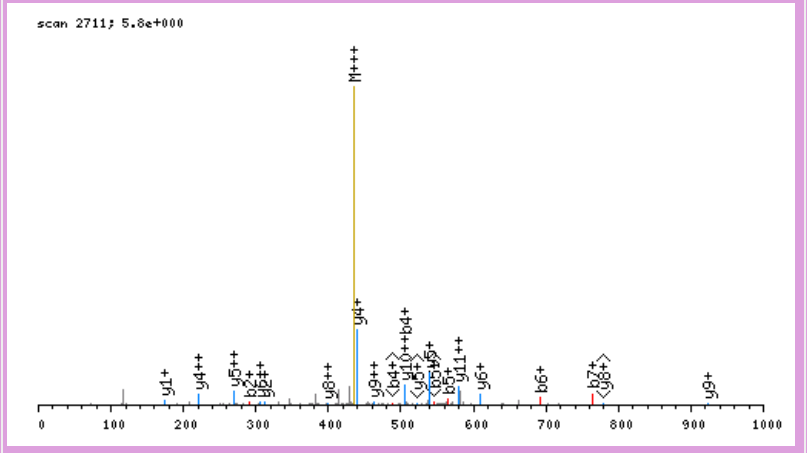
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	21		
291.1345	2	F	20	1970.1439	985.5759
404.2185	3	L	19	1823.0755	912.0417
475.2556	4	A	18	1709.9914	855.4996
532.2771	5	G	17	1638.9543	819.9811
589.2986	6	G	16	1581.9329	791.4703
688.3670	7	V	15	1524.9114	762.9596
759.4041	8	A	14	1425.8430	**713.4254**
830.4412	9	A	13	1354.8059	**677.9068**
901.4783	10	A	12	1283.7687	**642.3883**
1014.5624	11	I	11	1212.7316	**606.8697**
1101.5944	12	S	10	1099.6476	**550.3277**
1257.7207	13	K	9	1012.6155	506.8117
1358.7684	14	T	8	856.4892	428.7485
1429.8055	15	A	7	755.4416	378.2247
1528.8739	16	V	6	684.4044	342.7061
1599.9110	17	A	5	**585.3360**	**293.1719**
1696.9638	18	P	4	**514.2989**	257.6534
1810.0479	19	I	3	417.2462	209.1270
1939.0905	20	E	2	304.1621	152.5850
	21	R	1	175.1195	88.0637

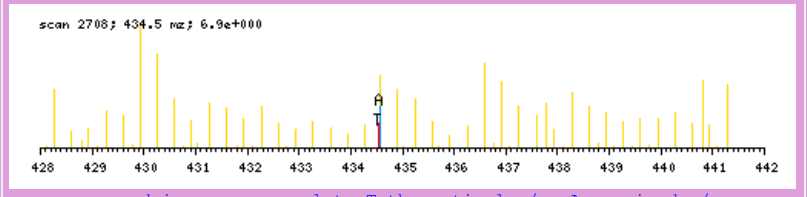
N-term:+29.04 K(13):+156.13

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

DFSEGQAVGAHR, MH+ 1301.6238, m/z 434.5461
L OS G16 P120811 220811-s1.02711.02711.3.dta



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



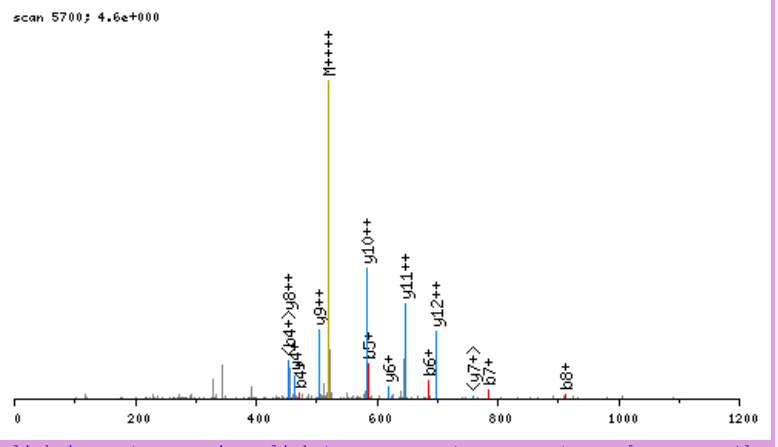
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
291.1345	2	F	11	1158.5656	579.7867
378.1665	3	S	10	1011.4972	506.2525
507.2091	4	E	9	924.4652	462.7365
564.2305	5	G	8	795.4226	398.2152
692.2891	6	Q	7	738.4011	369.7045
763.3262	7	A	6	610.3425	305.6752
862.3946	8	V	5	539.3054	270.1566
919.4161	9	G	4	440.2370	220.6224
990.4532	10	A	3	383.2155	192.1117
1127.5121	11	H	2	312.1784	156.5931
	12	R	1	175.1195	88.0637

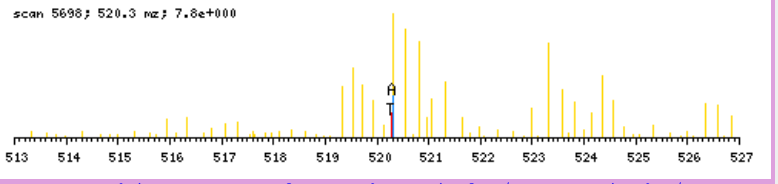
N-term:+29.04

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

DGDKLVVECVMKGVTSTR, MH+ 2078.0990, m/z 520.2802
L OS G16 P120811 220811-s1.05700.05700.4.dta



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



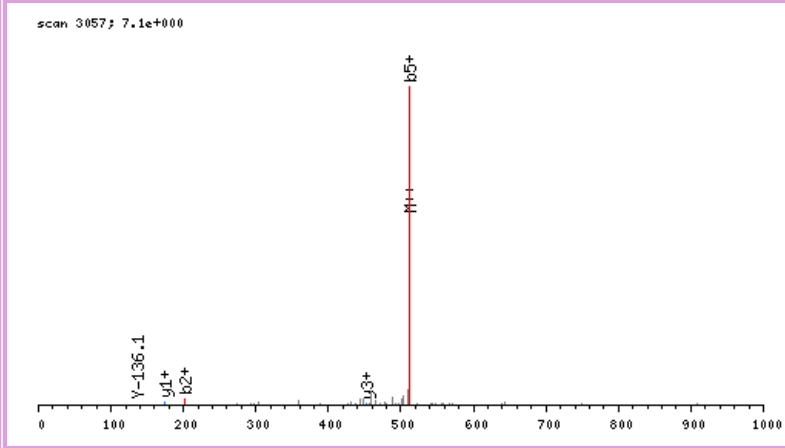
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

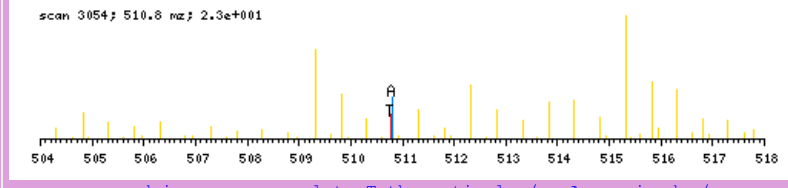
N-term:+29.04 K(4):+156.13
C(9):+160.03 K(12):+156.13

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

DGVIVGNYR, MH+ 1020.5478, m/z 510.7775
L OS G13 P120811 220811-s1.03057.03057.2.dta



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



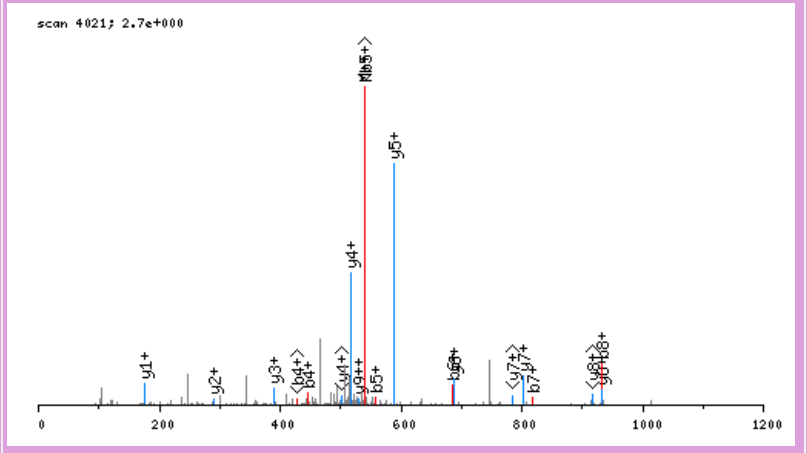
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	9		
201.0875	2	G	8	877.4896	439.2487
300.1559	3	V	7	820.4681	410.7380
413.2400	4	I	6	721.3997	361.2038
512.3084	5	V	5	608.3156	304.6617
569.3299	6	G	4	509.2472	255.1275
683.3728	7	N	3	**452.2258**	226.6168
846.4361	8	Y	2	338.1828	169.5953
	9	R	1	**175.1195**	88.0637

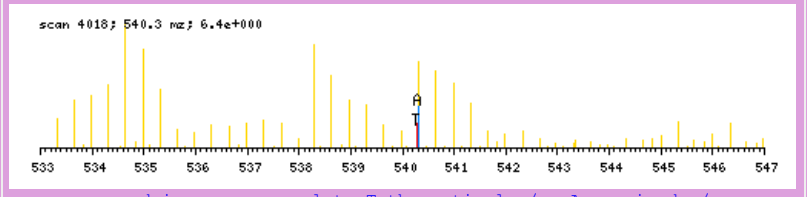
N-term:+29.04

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

DHASIQMNVAEVDR, MH+ 1618.8071, m/z 540.2739
H OS G16 P120811 220811-s1.04021.04021.3.dta



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



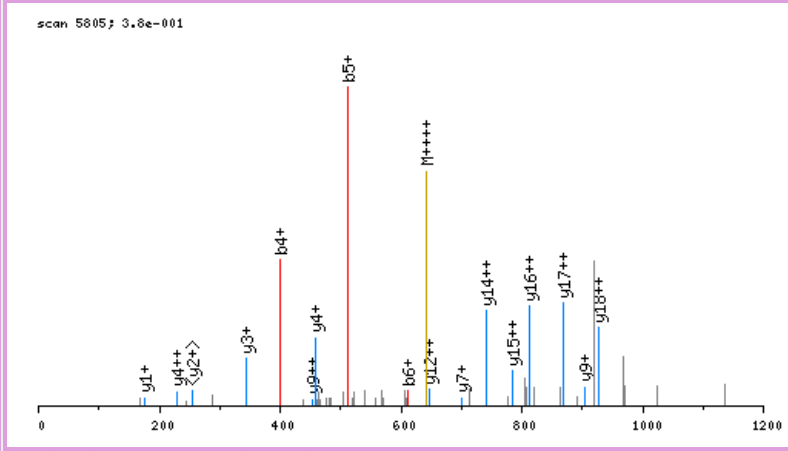
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

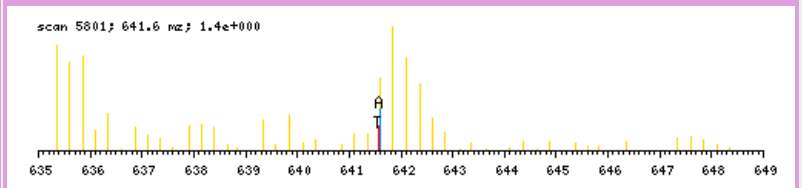
N-term:+35.07

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

DIAALVVDNGSGMCKAGFAGDDAPR, MH+ 2563.2284, m/z 641.5626
L OS G14 P120811 220811-s1.05805.05805.4.dta



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



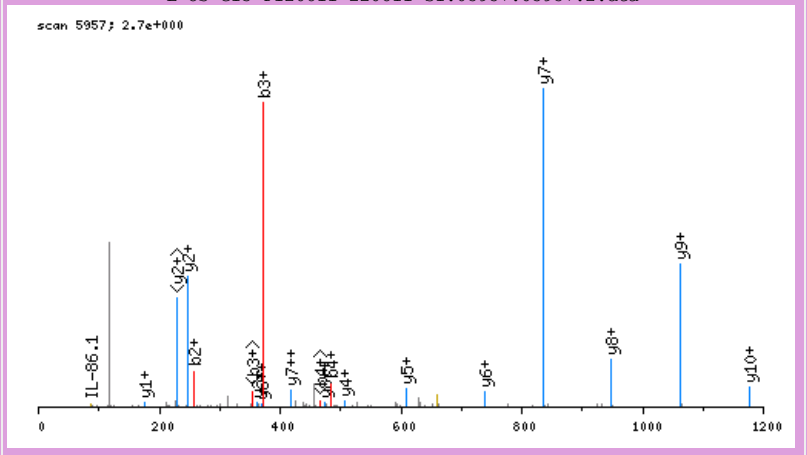
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	25		
257.1501	2	I	24	2420.1702	1210.5890
328.1872	3	A	23	2307.0862	1154.0470
399.2243	4	A	22	2236.0491	1118.5284
512.3084	5	L	21	2165.0119	1083.0099
611.3768	6	V	20	2051.9279	1026.4678
710.4452	7	V	19	1952.8595	976.9336
825.4722	8	D	18	1853.7910	**927.3994**
939.5151	9	N	17	1738.7641	**869.8860**
996.5366	10	G	16	1624.7212	**812.8645**
1083.5686	11	S	15	1567.6997	**784.3538**
1140.5901	12	G	14	1480.6677	**740.8378**
1271.6305	13	M	13	1423.6462	712.3270
1431.6611	14	C	12	1292.6057	**646.8068**
1587.7874	15	K	11	1132.5751	566.7915
1658.8246	16	A	10	976.4488	488.7283
1715.8460	17	G	9	**905.4117**	**453.2098**
1862.9144	18	F	8	848.3903	424.6990
1933.9515	19	A	7	**701.3218**	351.1648
1990.9730	20	G	6	630.2847	315.6463
2105.9999	21	D	5	573.2633	287.1355
2221.0269	22	D	4	**458.2363**	**229.6221**
2292.0640	23	A	3	**343.2094**	172.1086
2389.1168	24	P	2	272.1723	136.5900
	25	R	1	**175.1195**	88.0637

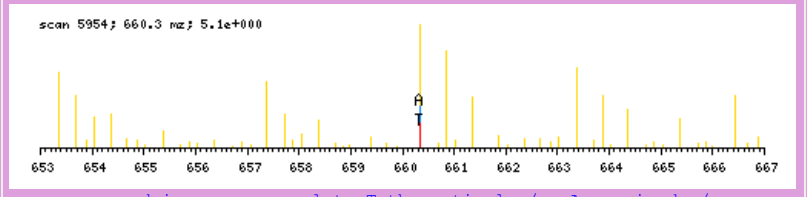
N-term:+29.04 C(14):+160.03
K(15):+156.13

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

DIDLPETFDAR, MH+ 1319.6483, m/z 660.3278
L OS G13 P120811 220811-s1.05957.05957.2.dta



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



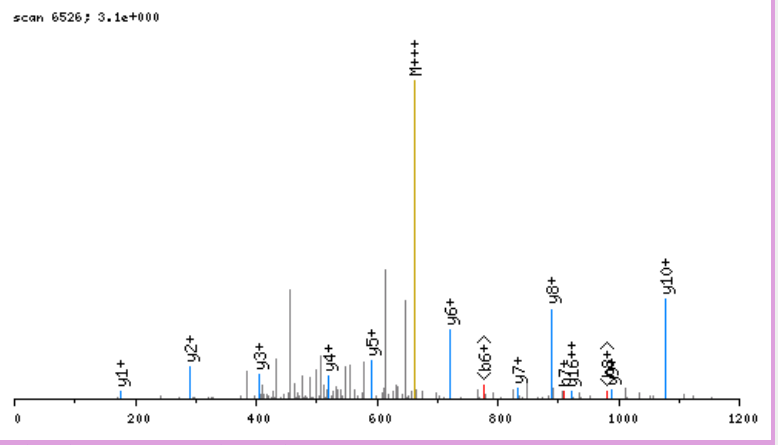
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	11		
257.1501	2	I	10	1176.5901	588.7990
372.1771	3	D	9	1063.5060	532.2569
485.2611	4	L	8	948.4791	474.7434
582.3139	5	P	7	835.3950	418.2014
711.3565	6	E	6	738.3422	369.6750
812.4041	7	T	5	609.2997	305.1537
959.4726	8	F	4	508.2520	254.6299
1074.4995	9	D	3	361.1836	181.0957
1145.5366	10	A	2	246.1566	123.5822
	11	R	1	175.1195	88.0637

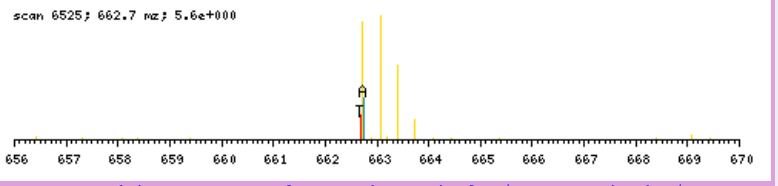
N-term:+29.04

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

DIKKILDSVGIEADDDR, MH+ 1986.0760, m/z 662.6968
L OS G17 P120811 220811-s1.06526.06526.3.dta



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



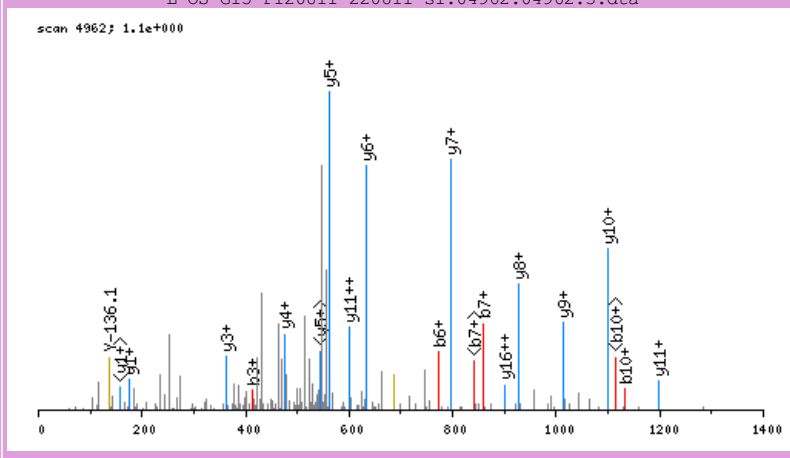
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	17		
257.1501	2	I	16	1843.0177	**922.0128**
413.2764	3	K	15	1729.9337	865.4708
569.4027	4	K	14	1573.8074	787.4076
682.4868	5	I	13	1417.6811	709.3445
795.5708	6	L	12	1304.5970	652.8024
910.5978	7	D	11	1191.5130	596.2604
997.6298	8	S	10	**1076.4860**	538.7469
1096.6982	9	V	9	**989.4540**	495.2309
1153.7197	10	G	8	**890.3856**	445.6967
1266.8037	11	I	7	**833.3641**	417.1860
1395.8463	12	E	6	**720.2800**	360.6439
1466.8835	13	A	5	**591.2374**	296.1226
1581.9104	14	D	4	**520.2003**	260.6041
1696.9373	15	D	3	**405.1734**	203.0906
1811.9643	16	D	2	**290.1464**	145.5771
	17	R	1	**175.1195**	88.0637

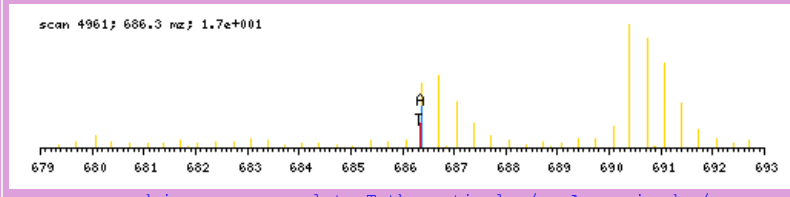
N-term:+29.04 K(3):+156.13
K(4):+156.13

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

DIKMTQSPSSMYASLGER, MH+ 2057.0047, m/z 686.3398
L OS G15 P120811 220811-s1.04962.04962.3.dta



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



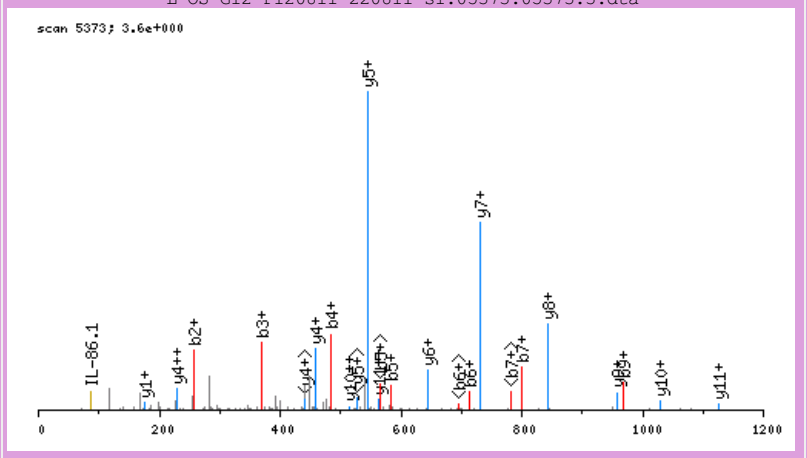
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	I	17	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

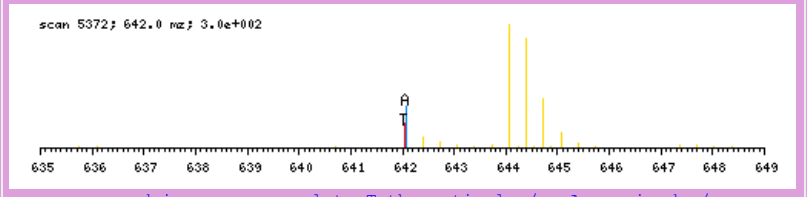
N-term:+29.04 K(3):+156.13

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 G12 P120811 220811-s1.05373.05373.3.dta



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



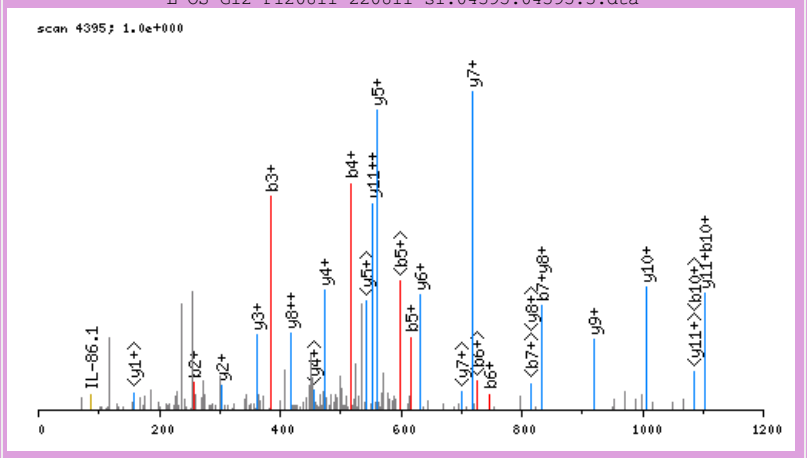
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

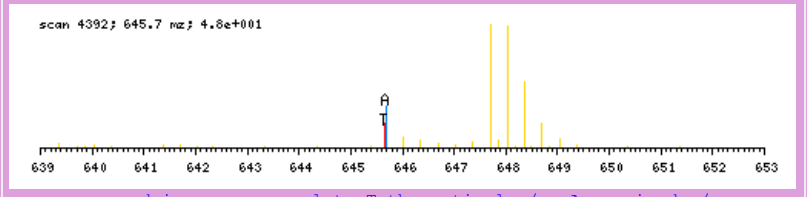
N-term:+29.04

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+ 1934.9493, m/z 645.6546
L OS G12 P120811 220811-s1.04395.04395.3.dta



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



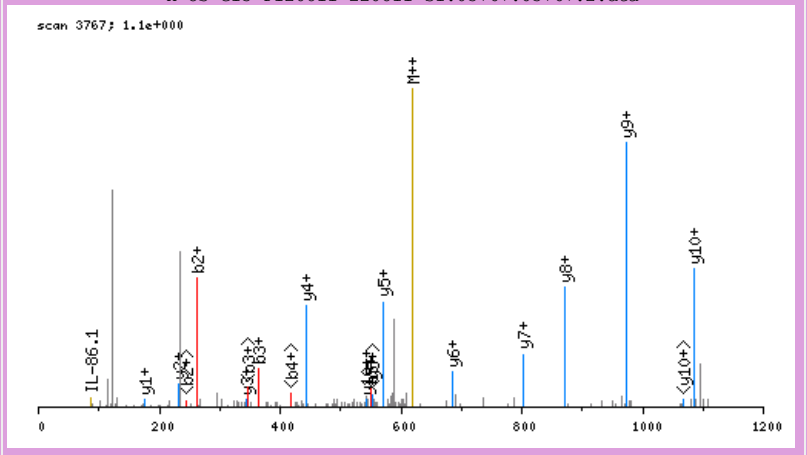
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	I	17	1791.8911	896.4495
385.2087	3	Q	16	1678.8070	839.9074
516.2492	4	M	15	1550.7484	775.8781
617.2968	5	T	14	1419.7080	710.3579
745.3554	6	Q	13	1318.6603	659.8341
832.3875	7	S	12	1190.6017	595.8048
929.4402	8	P	11	**1103.5697**	**552.2888**
1016.4722	9	S	10	**1006.5169**	503.7624
1103.5043	10	S	9	**919.4849**	460.2464
1216.5883	11	L	8	**832.4529**	**416.7303**
1303.6204	12	S	7	**719.3688**	360.1883
1374.6575	13	A	6	**632.3368**	316.6723
1461.6895	14	S	5	**561.2997**	281.1537
1574.7736	15	L	4	**474.2676**	237.6377
1631.7950	16	G	3	**361.1836**	181.0957
1760.8376	17	E	2	**304.1621**	152.5850
	18	R	1	175.1195	88.0637

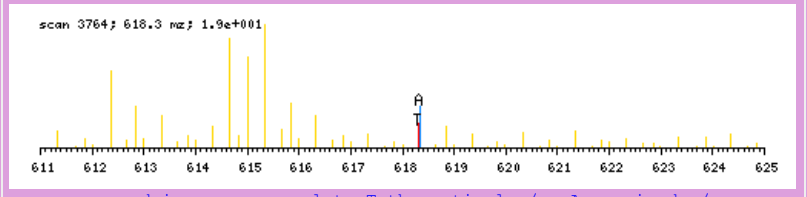
N-term:+29.04

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

DITADDEPLGR, MH+ 1235.6331, m/z 618.3202
H OS G13 P120811 220811-s1.03767.03767.2.dta



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



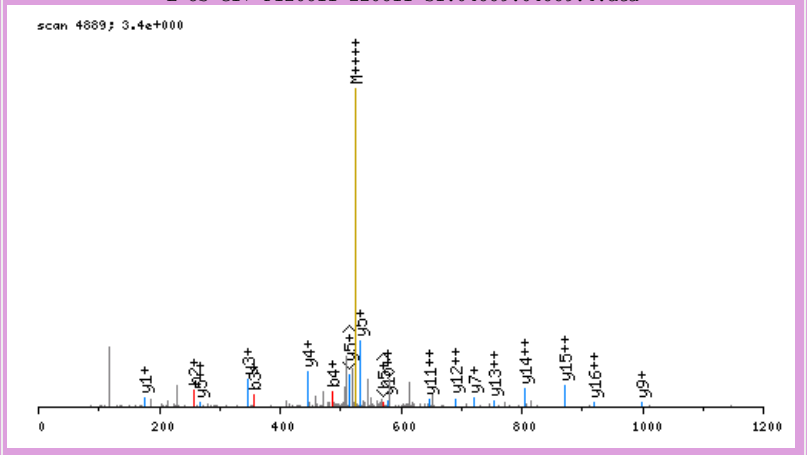
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

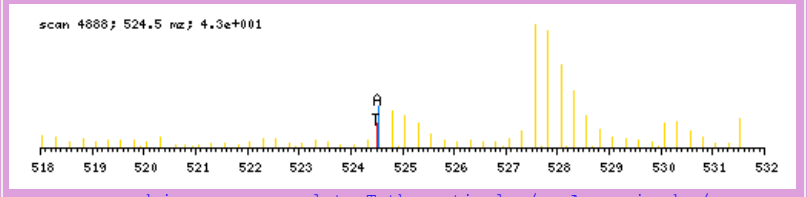
N-term:+35.07

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+ 2095.0316, m/z 524.5134
L OS G17 P120811 220811-s1.04889.04889.4.dta



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



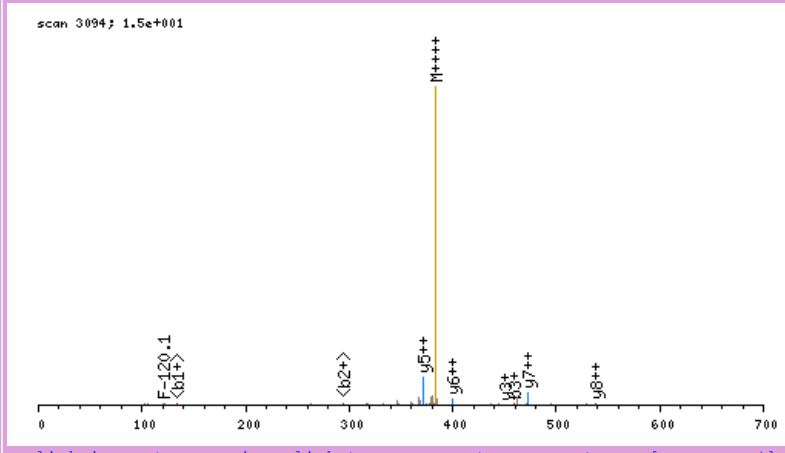
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	I	17	1951.9734	976.4906
356.2185	3	V	16	1838.8894	919.9486
487.2590	4	M	15	1739.8209	870.4144
588.3067	5	T	14	1608.7805	804.8941
716.3653	6	Q	13	1507.7328	754.3703
803.3973	7	S	12	1379.6742	690.3410
940.4562	8	H	11	1292.6422	646.8250
1096.5825	9	K	10	1155.5833	578.2955
1243.6509	10	F	9	999.4570	500.2324
1374.6914	11	M	8	852.3885	426.6982
1461.7234	12	S	7	721.3481	361.1779
1562.7711	13	T	6	634.3160	317.6619
1649.8031	14	S	5	533.2683	267.1381
1748.8715	15	V	4	446.2363	223.6221
1805.8930	16	G	3	347.1679	174.0879
1920.9200	17	D	2	290.1464	145.5771
	18	R	1	175.1195	88.0637

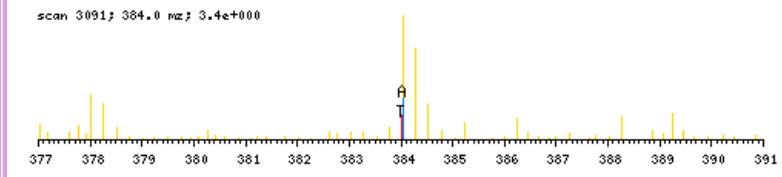
N-term:+29.04 K(9):+156.13

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

DKFEFGEKLKR, MH+ 1533.0114, m/z 384.0083
H OS G19 P120811 220811-s1.03094.03094.4.dta



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



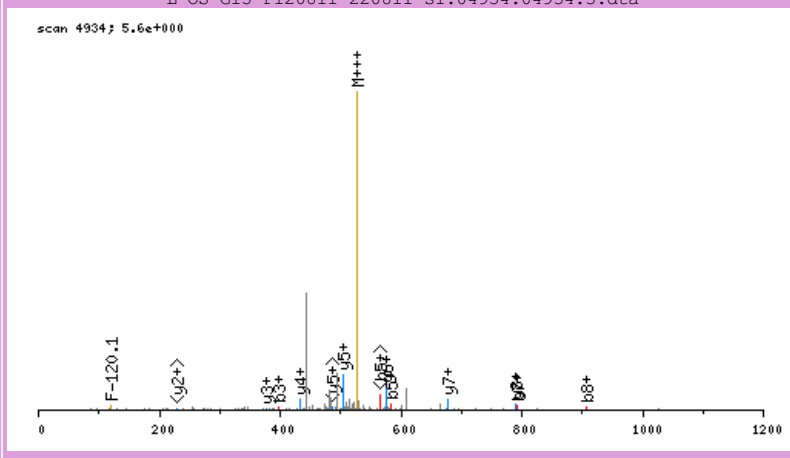
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	11		
312.2559	2	K	10	1383.9213	692.4646
459.3244	3	F	9	1221.7632	611.3855
588.3670	4	E	8	1074.6948	**537.8513**
735.4354	5	F	7	945.6522	**473.3300**
792.4568	6	G	6	798.5838	**399.7958**
921.4994	7	E	5	741.5624	**371.2851**
1083.6575	8	K	4	612.5198	306.7638
1196.7416	9	L	3	**450.3617**	225.6847
1358.8997	10	K	2	337.2776	169.1427
	11	R	1	175.1195	88.0637

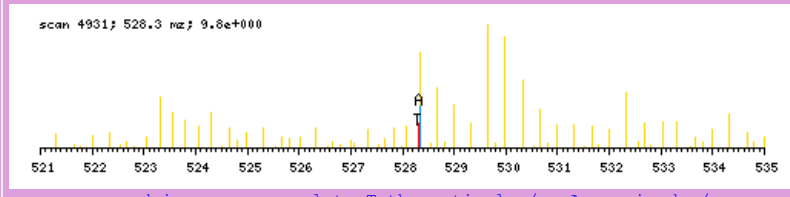
N-term:+35.07 K(2):+162.16
K(8):+162.16 K(10):+162.16

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

DKPVSPLLTAAGMAR, MH+ 1582.8991, m/z 528.3045
L OS G15 P120811 220811-s1.04934.04934.3.dta



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



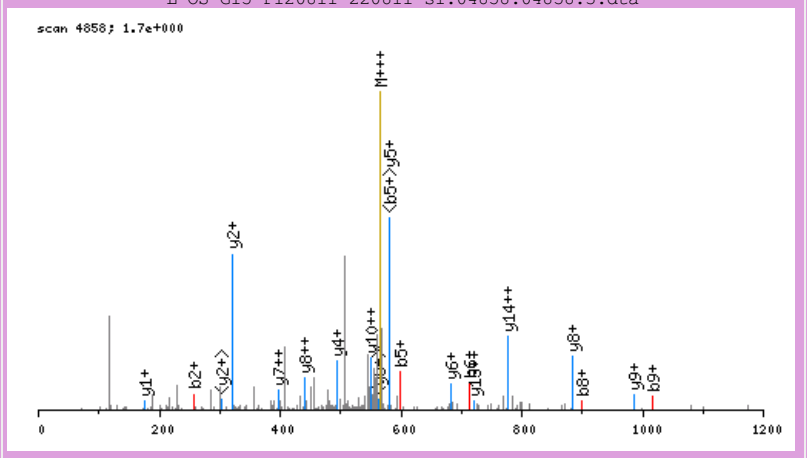
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
300.1923	2	K	14	1439.8409	720.4243
397.2451	3	P	13	1283.7146	642.3612
496.3135	4	V	12	1186.6618	593.8348
583.3455	5	S	11	1087.5934	544.3006
680.3983	6	P	10	1000.5614	500.7846
793.4824	7	L	9	903.5086	452.2582
906.5664	8	L	8	**790.4245**	395.7162
1007.6141	9	T	7	**677.3405**	339.1741
1078.6512	10	A	6	**576.2928**	288.6503
1149.6883	11	A	5	**505.2557**	253.1318
1206.7098	12	G	4	**434.2186**	217.6132
1337.7503	13	M	3	**377.1971**	189.1025
1408.7874	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

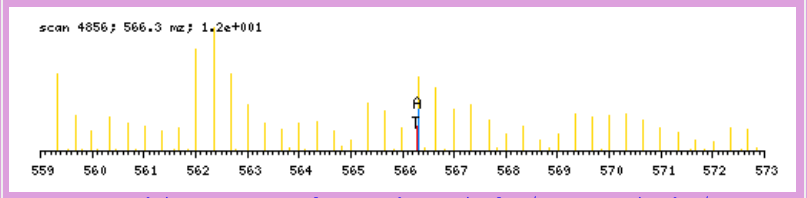
N-term:+29.04 K(2):+156.13

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

DLAKDITSDTSGDFR, MH+ 1696.8394, m/z 566.2846
L OS G15 P120811 220811-s1.04858.04858.3.dta



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



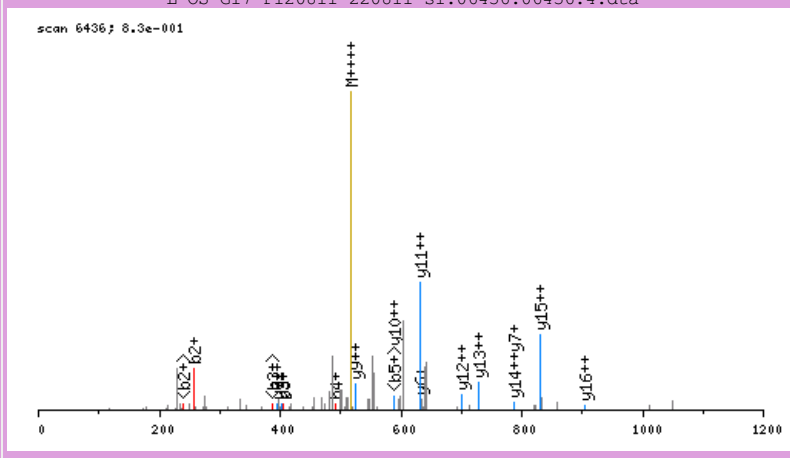
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
257.1501	2	L	14	1553.7812	**777.3945**
328.1872	3	A	13	1440.6971	**720.8525**
484.3135	4	K	12	1369.6600	685.3339
599.3405	5	D	11	1213.5337	607.2708
712.4245	6	I	10	1098.5067	**549.7573**
813.4722	7	T	9	**985.4227**	493.2153
900.5042	8	S	8	**884.3750**	**442.6914**
1015.5312	9	D	7	797.3430	**399.1754**
1116.5789	10	T	6	**682.3160**	341.6619
1203.6109	11	S	5	**581.2683**	291.1381
1260.6323	12	G	4	**494.2363**	247.6221
1375.6593	13	D	3	437.2149	219.1113
1522.7277	14	F	2	**322.1879**	161.5979
	15	R	1	**175.1195**	88.0637

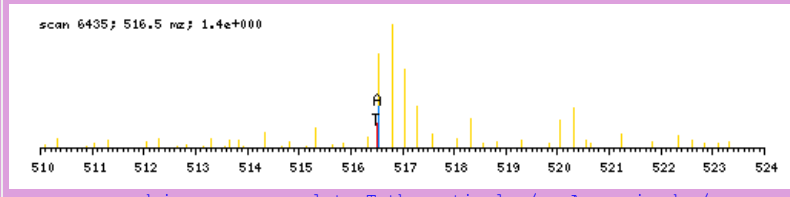
N-term:+29.04 K(4):+156.13

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

DLFSDGHSEFLKAASNLR, MH+ 2063.0562, m/z 516.5195
L OS G17 P120811 220811-s1.06436.06436.4.dta



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



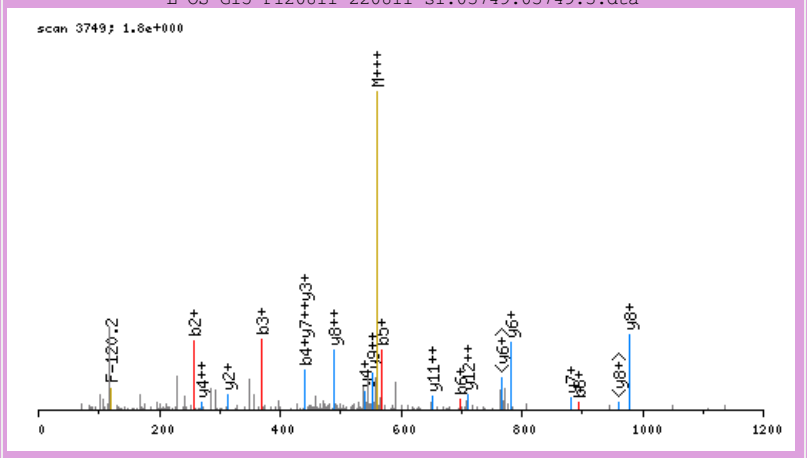
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
257.1501	2	L	17	1919.9980	960.5029
404.2185	3	F	16	1806.9139	**903.9609**
491.2505	4	S	15	1659.8455	**830.4267**
606.2775	5	D	14	1572.8135	**786.9106**
663.2990	6	G	13	1457.7865	**729.3972**
800.3579	7	H	12	1400.7651	**700.8864**
887.3899	8	S	11	1263.7061	**632.3570**
1016.4325	9	E	10	1176.6741	**588.8410**
1163.5009	10	F	9	1047.6315	**524.3197**
1276.5850	11	L	8	900.5631	450.7855
1432.7113	12	K	7	**787.4790**	**394.2434**
1503.7484	13	A	6	**631.3527**	316.1803
1574.7855	14	A	5	560.3156	280.6617
1661.8175	15	S	4	489.2785	245.1432
1775.8605	16	N	3	**402.2465**	201.6272
1888.9445	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

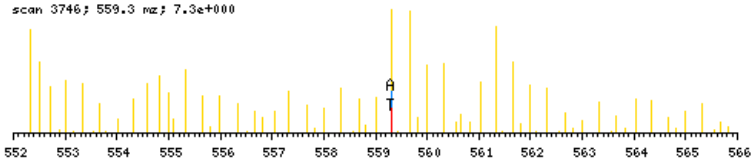
N-term:+29.04 K(12):+156.13

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

DLIAQQPVNEVEHR, MH+ 1675.8767, m/z 559.2971
L OS G15 P120811 220811-s1.03749.03749.3.dta



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



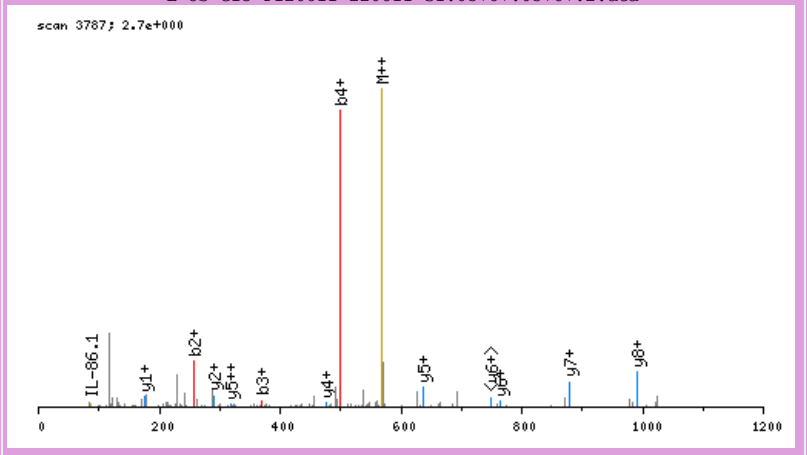
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
257.1501	2	L	13	1532.8185	766.9132
370.2342	3	I	12	1419.7345	710.3711
441.2713	4	A	11	1306.6504	653.8291
569.3299	5	Q	10	1235.6133	618.3105
697.3884	6	Q	9	1107.5547	554.2813
794.4412	7	P	8	979.4961	490.2520
893.5096	8	V	7	882.4434	441.7256
1007.5525	9	N	6	783.3749	392.1914
1136.5951	10	E	5	669.3320	335.1699
1235.6636	11	V	4	540.2894	270.6486
1364.7061	12	E	3	441.2210	221.1144
1501.7651	13	H	2	312.1784	156.5931
	14	R	1	175.1195	88.0637

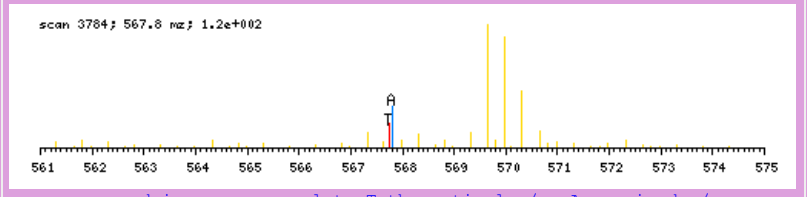
N-term:+29.04

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

DLLECADDR, MH+ 1134.5100, m/z 567.7587
L OS G13 P120811 220811-s1.03787.03787.2.dta



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



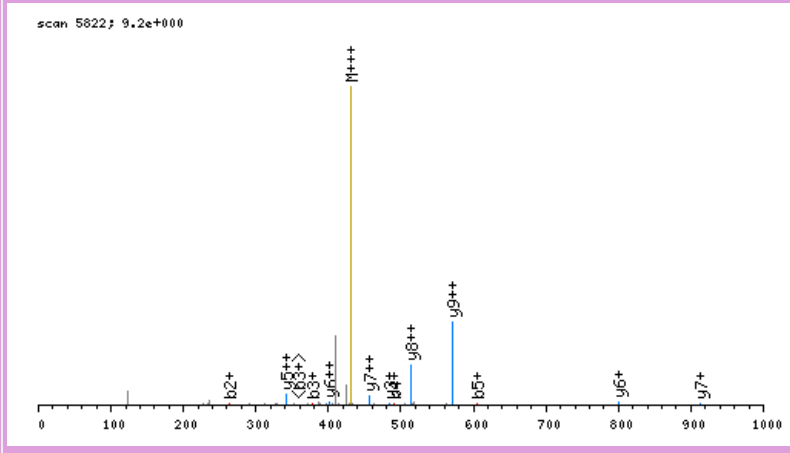
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	9		
257.1501	2	L	8	991.4518	496.2298
370.2342	3	L	7	878.3678	439.6878
499.2768	4	E	6	765.2837	383.1458
659.3074	5	C	5	636.2411	318.6245
730.3445	6	A	4	476.2105	238.6092
845.3714	7	D	3	405.1734	203.0906
960.3984	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

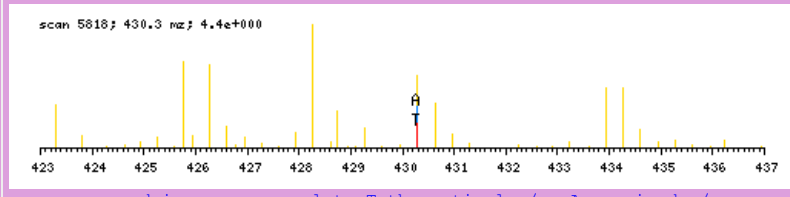
N-term:+29.04 C(5):+160.03

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

DLNLDLSKFR, MH+ 1288.7901, m/z 430.2682
H OS G16 P120811 220811-s1.05822.05822.3.dta



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



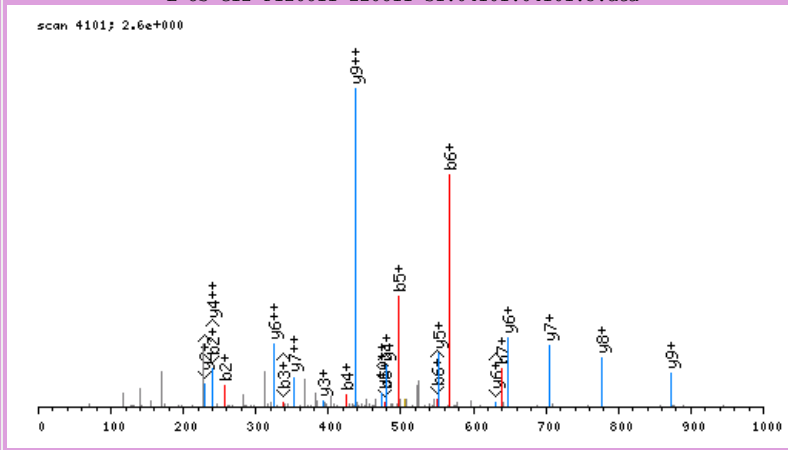
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

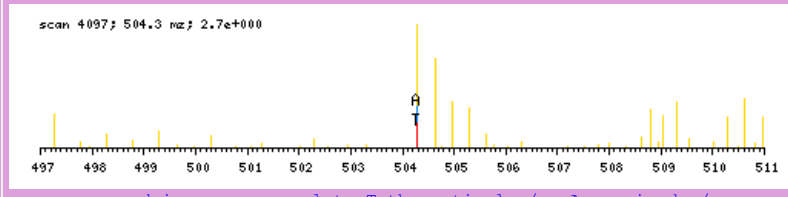
N-term:+35.07 K(8):+162.16

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

DLPAAAAPAGPASFAR, MH+ 1510.8018, m/z 504.2721
L OS G12 P120811 220811-s1.04101.04101.3.dta



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



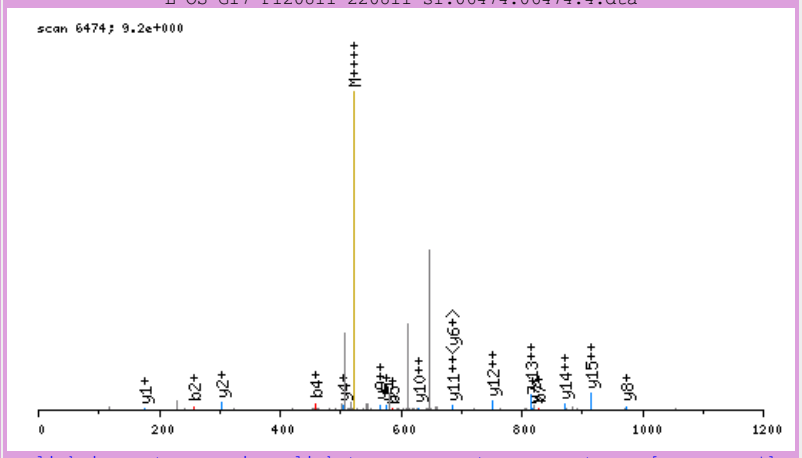
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	16		
257.1501	2	L	15	1367.7436	684.3757
354.2029	3	P	14	1254.6595	627.8337
425.2400	4	A	13	1157.6067	579.3073
496.2771	5	A	12	1086.5696	543.7887
567.3142	6	A	11	1015.5325	508.2702
638.3513	7	A	10	944.4954	472.7516
735.4041	8	P	9	873.4583	437.2331
806.4412	9	A	8	776.4055	388.7067
863.4627	10	G	7	705.3684	353.1881
960.5154	11	P	6	648.3469	324.6774
1031.5525	12	A	5	551.2942	276.1510
1118.5846	13	S	4	480.2571	240.6324
1265.6530	14	F	3	393.2250	197.1164
1336.6901	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

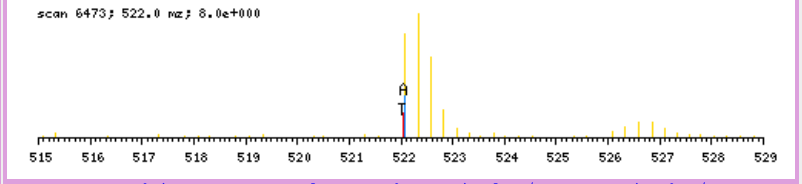
N-term:+29.04

DLSLEEIQKKLEAAEER, MH+ 2085.1444, m/z 522.0416
L OS G17 P120811 220811-s1.06474.06474.4.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±]



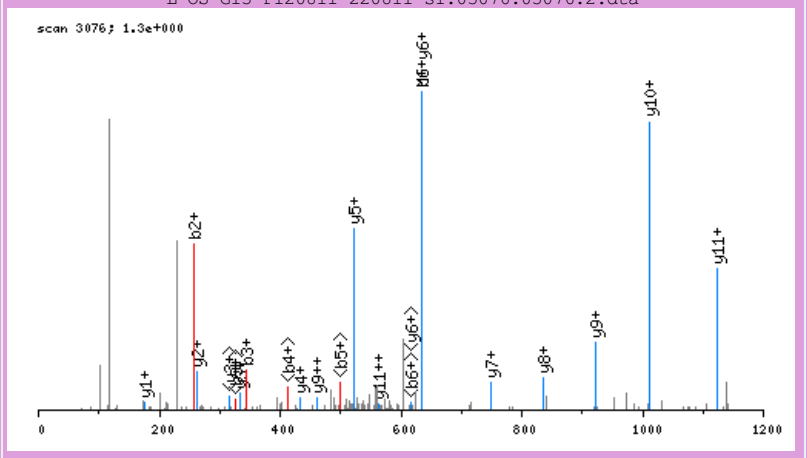
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	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

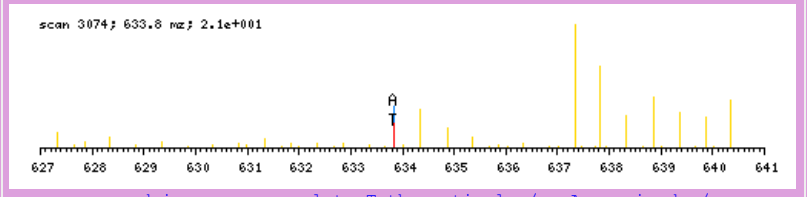
N-term:+29.04 K(9):+156.13
K(10):+156.13

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 G13 P120811 220811-s1.03076.03076.2.dta



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



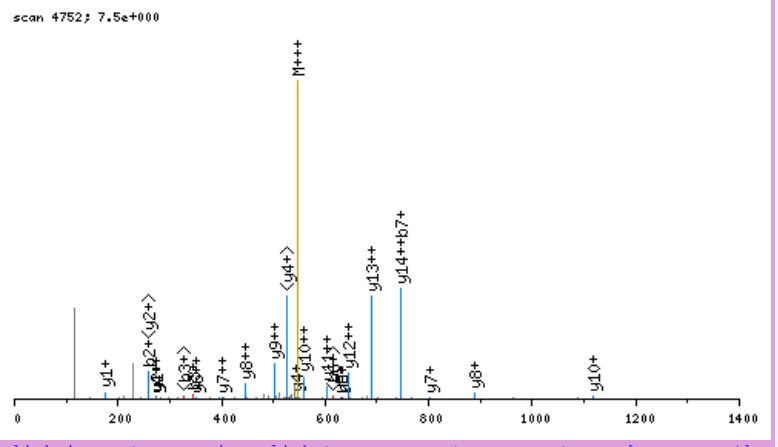
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

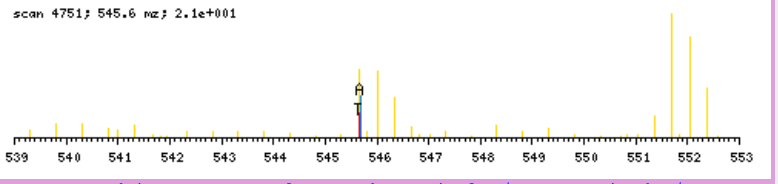
N-term:+29.04 K(12):+156.13

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+ 1634.9217, m/z 545.6454
L OS G14 P120811 220811-s1.04752.04752.3.dta



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



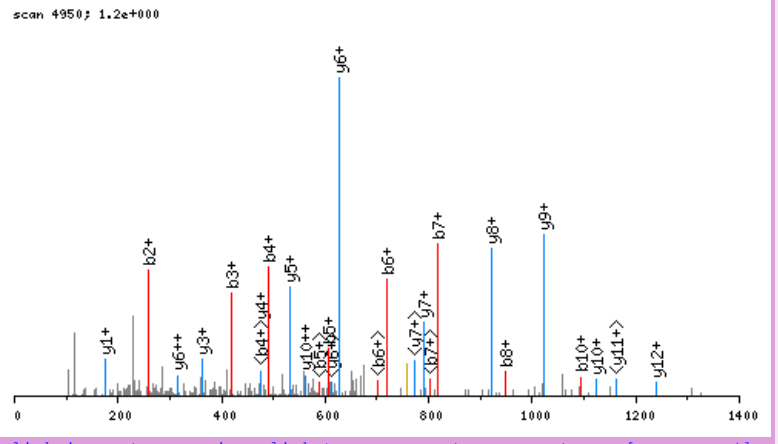
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	15		
257.1501	2	L	14	1491.8635	746.4356
344.1821	3	S	13	1378.7794	689.8936
431.2142	4	S	12	1291.7474	646.3776
518.2462	5	S	11	1204.7154	602.8616
633.2731	6	D	10	1117.6833	559.3456
746.3572	7	L	9	1002.6564	501.8321
833.3892	8	S	8	889.5723	445.2901
934.4369	9	T	7	802.5403	401.7741
1005.4740	10	A	6	701.4926	351.2502
1092.5060	11	S	5	630.4555	315.7317
1248.6323	12	K	4	543.4235	272.2156
1361.7164	13	I	3	387.2972	194.1525
1460.7848	14	V	2	274.2131	137.6105
	15	K	1	175.1447	88.0763

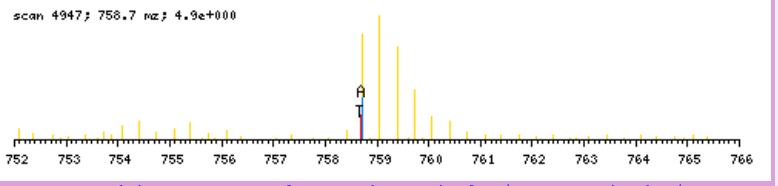
N-term:+29.04 K(12):+156.13
K(15):+156.13

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

DLYANNVMSGGTTMYPGIADR, MH+ 2274.0535, m/z 758.6893
L OS G12 P120811 220811-s1.04950.04950.3.dta



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



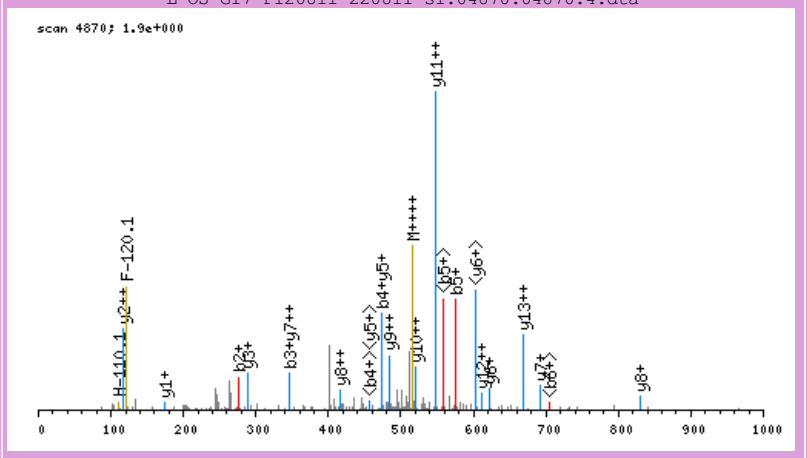
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	21		
257.1501	2	L	20	2130.9952	1066.0015
420.2134	3	Y	19	2017.9112	1009.4595
491.2505	4	A	18	1854.8478	927.9278
605.2935	5	N	17	1783.8107	892.4093
719.3364	6	N	16	1669.7678	835.3878
818.4048	7	V	15	1555.7249	778.3663
949.4453	8	M	14	1456.6565	728.8321
1036.4773	9	S	13	1325.6160	663.3119
1093.4988	10	G	12	**1238.5839**	619.7959
1150.5203	11	G	11	1181.5625	591.2852
1251.5679	12	T	10	**1124.5410**	**562.7744**
1352.6156	13	T	9	**1023.4933**	512.2506
1483.6561	14	M	8	**922.4457**	461.7267
1646.7194	15	Y	7	**791.4052**	396.2065
1743.7722	16	P	6	**628.3418**	**314.6748**
1800.7937	17	G	5	**531.2891**	266.1485
1913.8777	18	I	4	**474.2676**	237.6377
1984.9148	19	A	3	**361.1836**	181.0957
2099.9418	20	D	2	290.1464	145.5771
	21	R	1	**175.1195**	88.0637

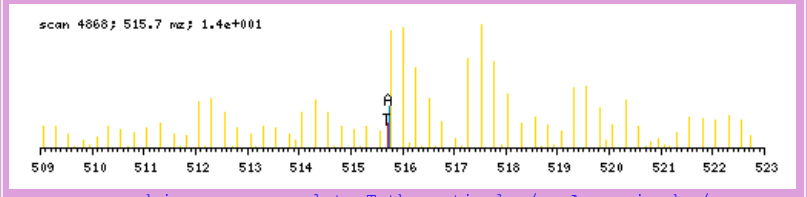
N-term:+29.04

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

DMAETFDQGAHHAFGQGGR, MH+ 2059.9044, m/z 515.7316
L OS G17 P120811 220811-s1.04870.04870.4.dta



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



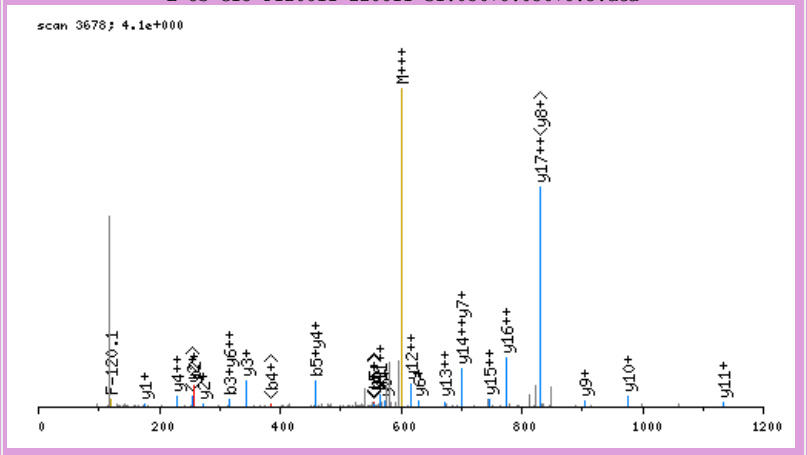
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
275.1065	2	M	18	1916.8462	958.9270
346.1436	3	A	17	1785.8057	893.4068
475.1862	4	E	16	1714.7686	857.8882
576.2339	5	T	15	1585.7260	793.3669
723.3023	6	F	14	1484.6783	742.8431
838.3293	7	D	13	1337.6099	**669.3089**
966.3878	8	Q	12	1222.5830	**611.7954**
1023.4093	9	G	11	1094.5244	**547.7661**
1094.4464	10	A	10	1037.5029	**519.2554**
1231.5053	11	H	9	966.4658	**483.7368**
1368.5642	12	H	8	**829.4069**	**415.2074**
1439.6014	13	A	7	**692.3480**	**346.6779**
1586.6698	14	F	6	**621.3109**	311.1594
1643.6912	15	G	5	**474.2425**	237.6251
1771.7498	16	Q	4	417.2210	209.1144
1828.7713	17	G	3	**289.1624**	145.0851
1885.7927	18	G	2	232.1410	**116.5744**
	19	R	1	**175.1195**	88.0637

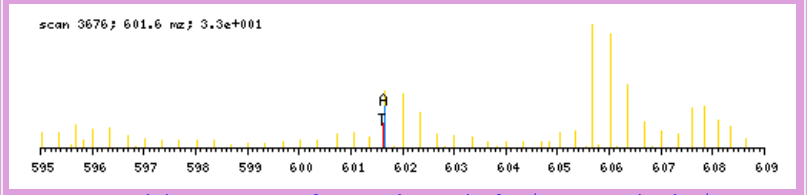
N-term:+29.04

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

DNGSGLVKAGFAGDDAPR, MH+ 1802.9037, m/z 601.6394
L OS G15 P120811 220811-s1.03678.03678.3.dta



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



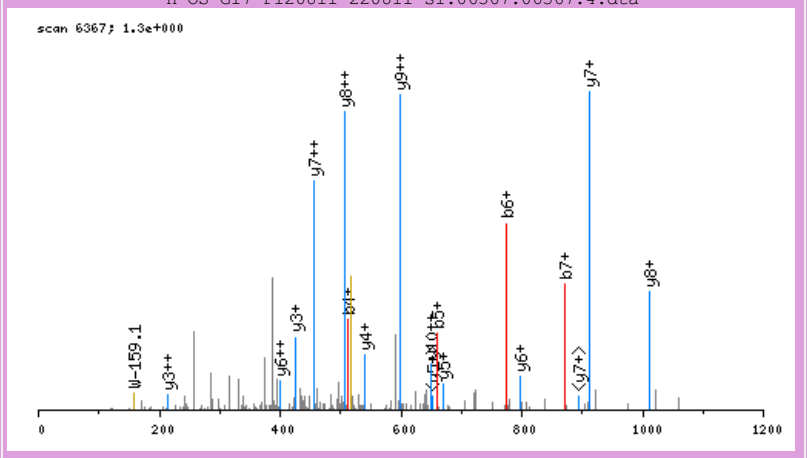
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
258.1090	2	N	17	1659.8455	830.4267
315.1304	3	G	16	1545.8026	773.4052
402.1625	4	S	15	1488.7811	744.8945
459.1839	5	G	14	1401.7491	701.3785
572.2680	6	L	13	1344.7276	672.8677
671.3364	7	V	12	1231.6435	616.3257
827.4627	8	K	11	1132.5751	566.7915
898.4998	9	A	10	976.4488	488.7283
955.5213	10	G	9	905.4117	453.2098
1102.5897	11	F	8	848.3903	424.6990
1173.6268	12	A	7	701.3218	351.1648
1230.6483	13	G	6	630.2847	315.6463
1345.6752	14	D	5	573.2633	287.1355
1460.7022	15	D	4	458.2363	229.6221
1531.7393	16	A	3	343.2094	172.1086
1628.7920	17	P	2	272.1723	136.5900
	18	R	1	175.1195	88.0637

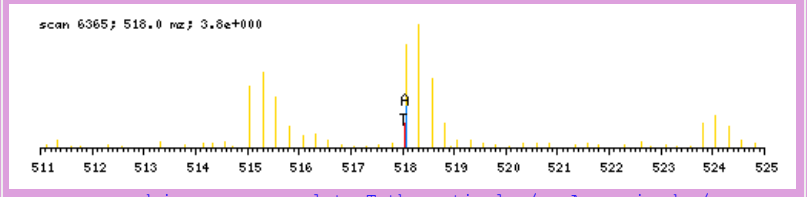
N-term:+29.04 K(8):+156.13

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

DNKSFLVWVNEEDHLR, MH+ 2069.1092, m/z 518.0328
H OS G17 P120811 220811-s1.06367.06367.4.dta



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



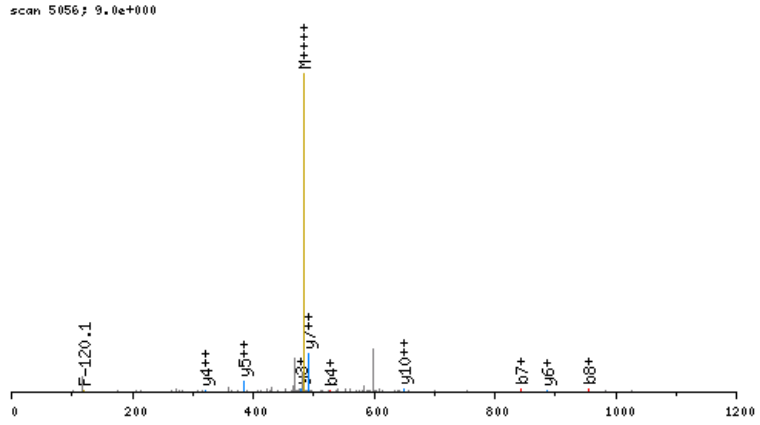
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

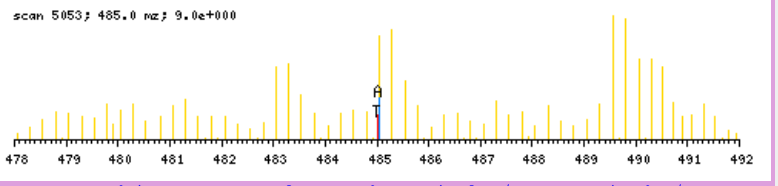
N-term:+35.07 K(3):+162.16

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 G17 P120811 220811-s1.05056.05056.4.dta



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



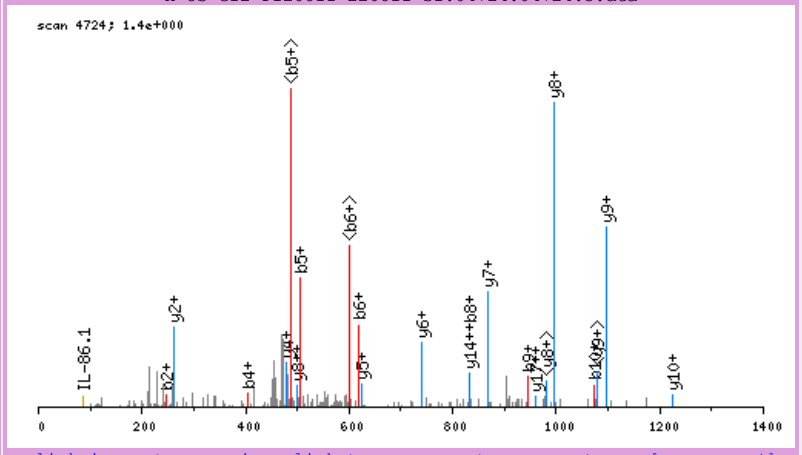
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

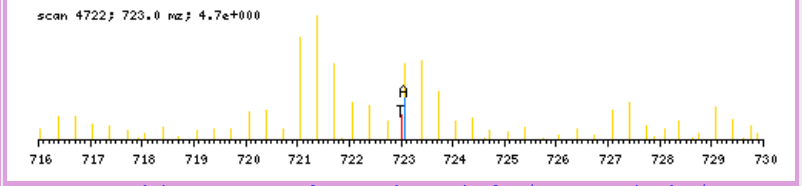
N-term:+29.04 K(4):+156.13
K(14):+156.13

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

DPASTLPDIQVQENFSESR, MH+ 2167.0731, m/z 723.0292
H OS G12 P120811 220811-s1.04724.04724.3.dta



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



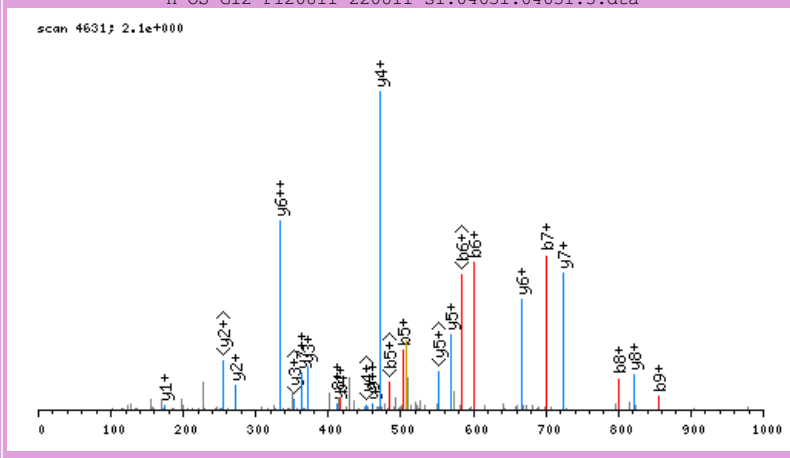
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

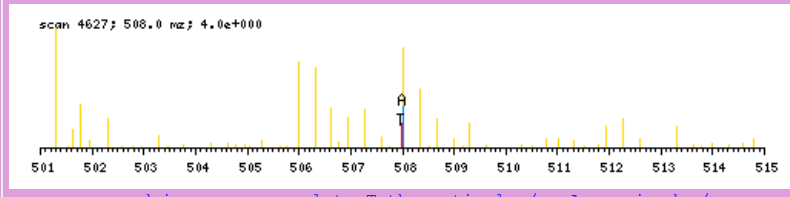
N-term:+35.07

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 G12 P120811 220811-s1.04631.04631.3.dta



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



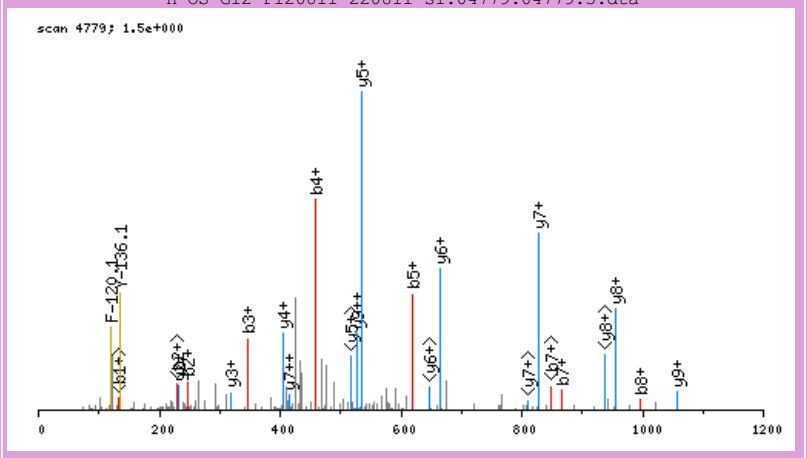
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

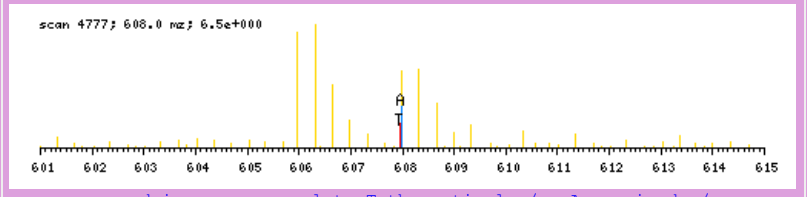
N-term:+35.07

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

DPVLCFTQYEESSGR, MH+ 1821.8541, m/z 607.9562
H OS G12 P120811 220811-s1.04779.04779.3.dta



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



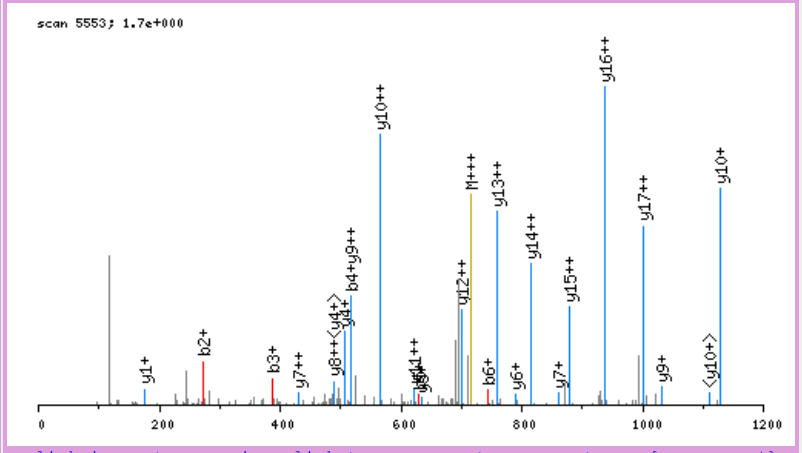
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

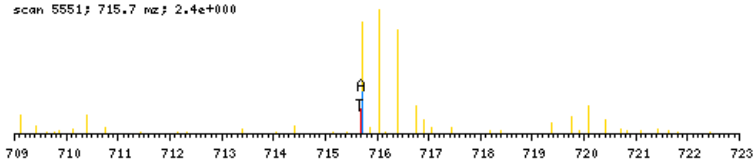
N-term:+35.07 C(5):+160.03

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 G14 P120811 220811-s1.05553.05553.3.dta



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



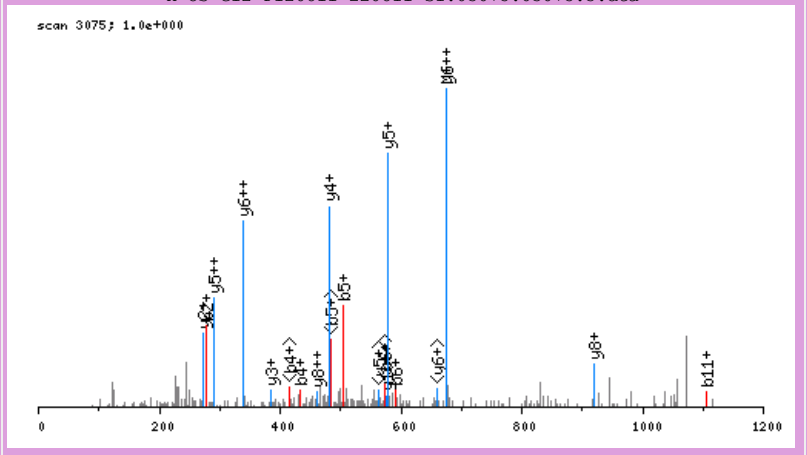
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

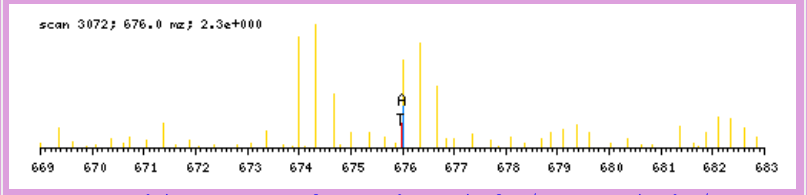
N-term:+29.04 C(7):+160.03
K(13):+156.13

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

DQPGASGDNDDDEPPPLPR, MH+ 2025.9213, m/z 675.9786
H OS G12 P120811 220811-s1.03075.03075.3.dta



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



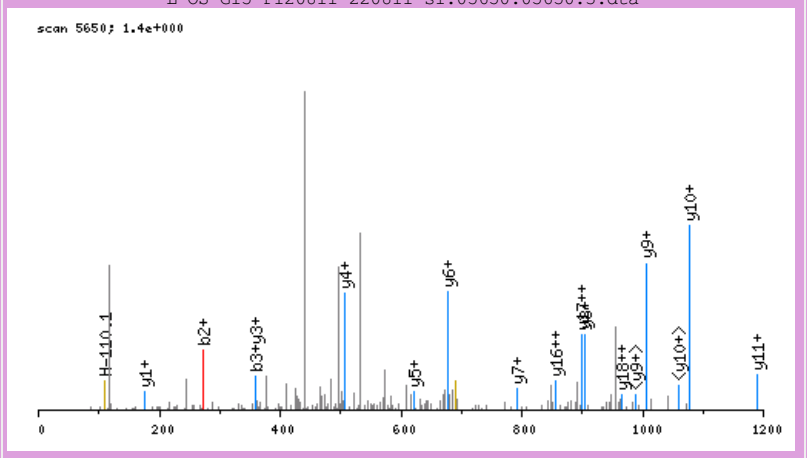
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	19		
278.1564	2	Q	18	1876.8313	938.9196
375.2092	3	P	17	1748.7727	874.8903
432.2306	4	G	16	1651.7200	826.3639
503.2678	5	A	15	1594.6985	797.8532
590.2998	6	S	14	1523.6614	762.3346
647.3213	7	G	13	1436.6294	718.8186
762.3482	8	D	12	1379.6079	690.3079
876.3911	9	N	11	1264.5810	632.7944
991.4181	10	D	10	1150.5380	**575.7729**
1106.4450	11	D	9	1035.5111	518.2595
1221.4720	12	D	8	**920.4842**	**460.7460**
1350.5145	13	E	7	805.4572	403.2325
1447.5673	14	P	6	**676.4146**	**338.7112**
1544.6201	15	P	5	**579.3619**	**290.1848**
1641.6728	16	P	4	**482.3091**	241.6585
1754.7569	17	L	3	**385.2563**	193.1321
1851.8097	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

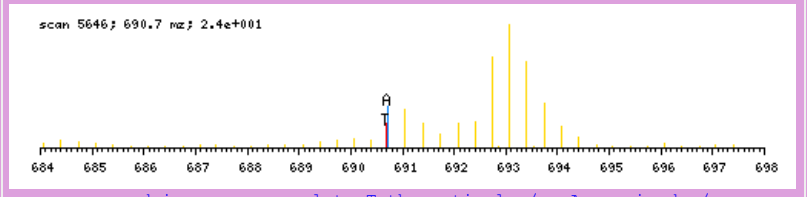
N-term:+35.07

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

DQSPASHEIATNLGDFALR, MH+ 2070.0256, m/z 690.6800
L OS G15 P120811 220811-s1.05650.05650.3.dta



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

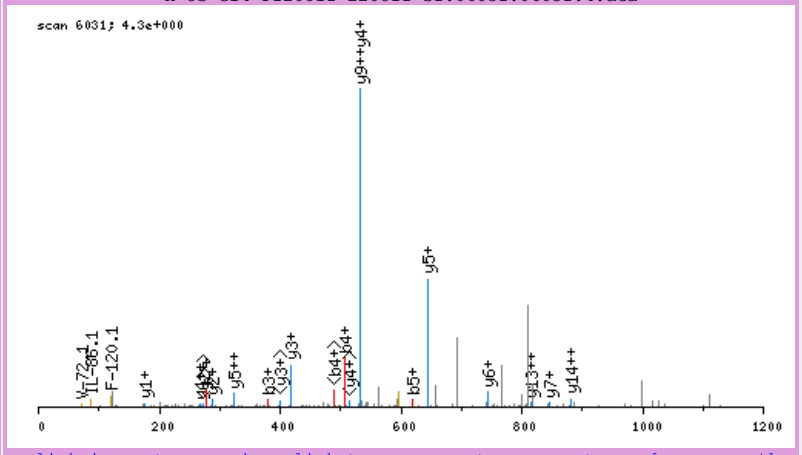


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

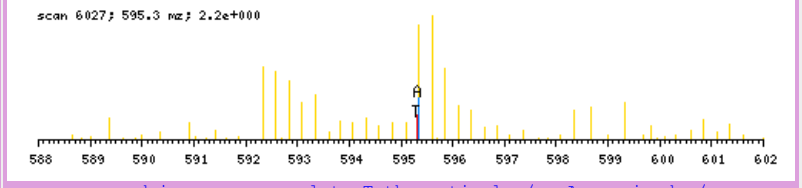
b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	19		
272.1246	2	Q	18	1926.9674	963.9876
359.1566	3	S	17	1798.9088	899.9583
456.2094	4	P	16	1711.8768	856.4423
527.2465	5	A	15	1614.8240	807.9159
614.2786	6	S	14	1543.7869	772.3974
751.3375	7	H	13	1456.7549	728.8813
880.3801	8	E	12	1319.6959	660.3519
993.4641	9	I	11	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

DQTQIQEFKEAFTVIDQNR, MH+ 2378.2628, m/z 595.3212
H OS G14 P120811 220811-s1.06031.06031.4.dta



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



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

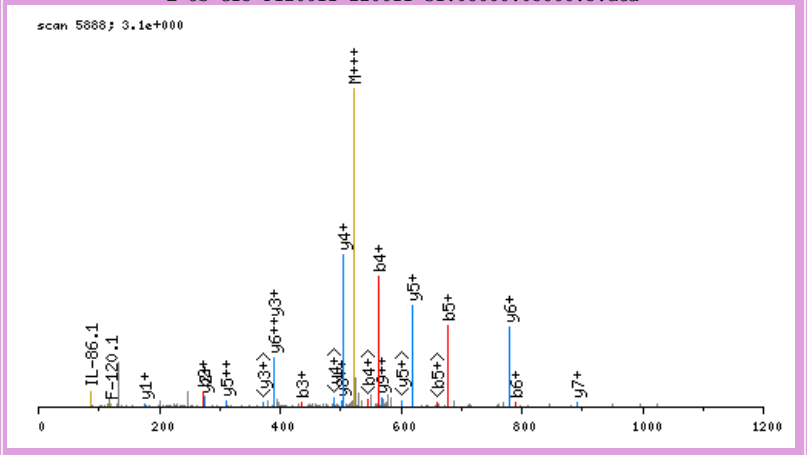
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	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

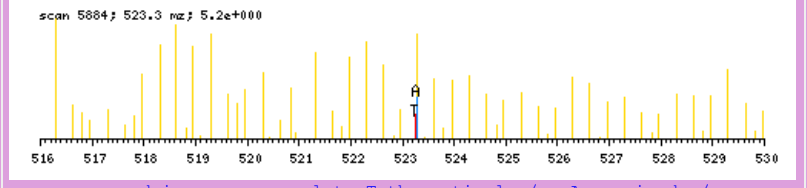
N-term:+35.07 K(9):+162.16

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

DQYELLCLDNTR, MH+ 1567.7426, m/z 523.2524
L OS G13 P120811 220811-s1.05888.05888.3.dta



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



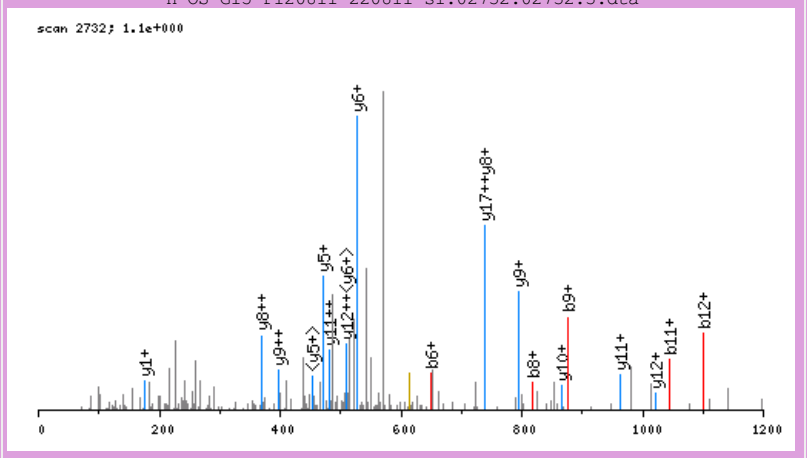
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
272.1246	2	Q	11	1424.6843	712.8461
435.1879	3	Y	10	1296.6258	648.8168
564.2305	4	E	9	1133.5624	**567.2851**
677.3146	5	L	8	1004.5198	**502.7638**
790.3987	6	L	7	**891.4358**	446.2218
950.4293	7	C	6	**778.3517**	**389.6798**
1063.5133	8	L	5	**618.3211**	**309.6645**
1178.5403	9	D	4	**505.2370**	253.1224
1292.5832	10	N	3	**390.2101**	195.6090
1393.6309	11	T	2	**276.1672**	138.5875
	12	R	1	**175.1195**	88.0637

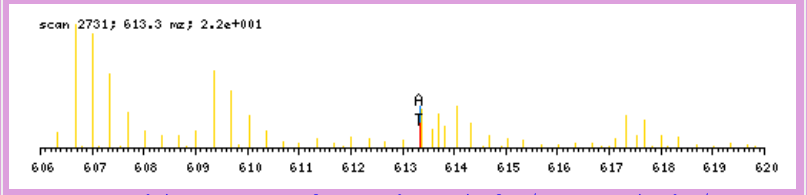
N-term:+29.04 C(7):+160.03

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

DRGETGPAGPAGPIGPAGAR, MH+ 1837.9733, m/z 613.3293
H OS G15 P120811 220811-s1.02732.02732.3.dta



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



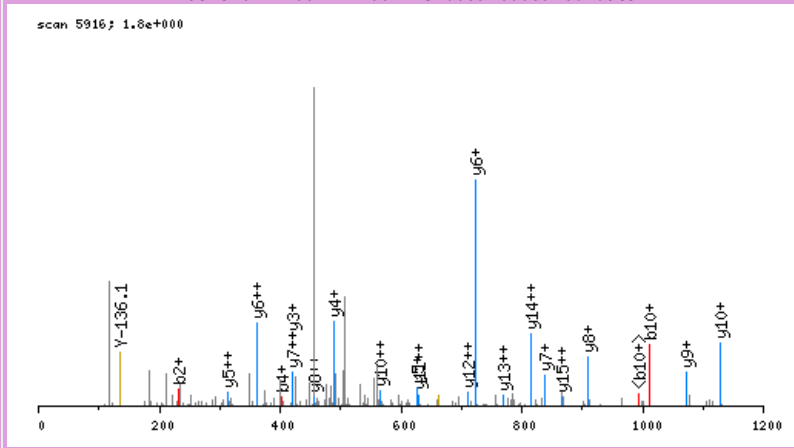
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	20		
306.1990	2	R	19	1688.8832	844.9455
363.2204	3	G	18	1532.7821	766.8950
492.2630	4	E	17	1475.7607	**738.3842**
593.3107	5	T	16	1346.7181	673.8629
650.3322	6	G	15	1245.6704	623.3391
747.3849	7	P	14	1188.6489	594.8284
818.4220	8	A	13	1091.5962	546.3020
875.4435	9	G	12	**1020.5591**	**510.7834**
972.4963	10	P	11	**963.5376**	**482.2727**
1043.5334	11	A	10	**866.4848**	433.7463
1100.5548	12	G	9	**795.4477**	**398.2278**
1197.6076	13	P	8	**738.4262**	**369.7170**
1310.6917	14	I	7	641.3735	321.1907
1367.7131	15	G	6	**528.2894**	264.6486
1464.7659	16	P	5	**471.2680**	236.1379
1535.8030	17	A	4	374.2152	187.6115
1592.8245	18	G	3	303.1781	152.0930
1663.8616	19	A	2	246.1566	123.5822
	20	R	1	**175.1195**	88.0637

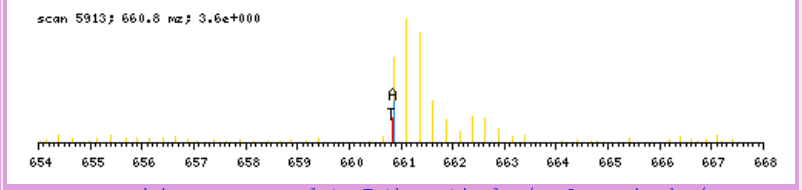
N-term:+35.07

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

DSGDGVTHNVPIYEGYALPHAIMR, MH+ 2640.2880, m/z 660.8275
L OS G16 P120811 220811-s1.05916.05916.4.dta



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



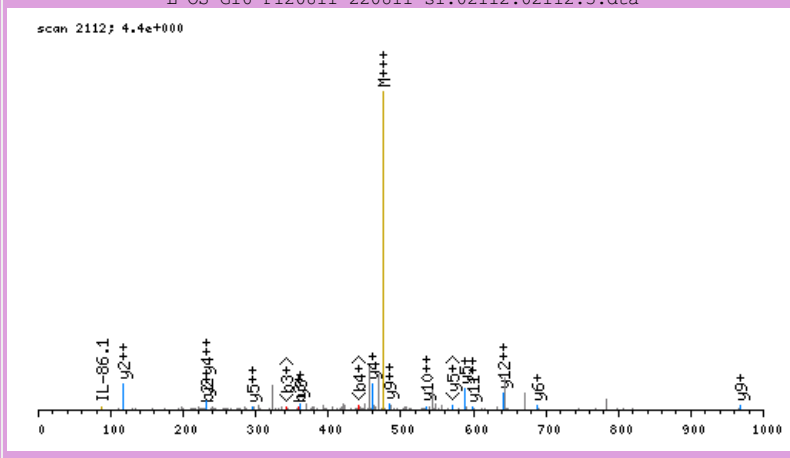
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	24		
231.0981	2	S	23	2497.2298	1249.1188
288.1195	3	G	22	2410.1978	1205.6028
403.1465	4	D	21	2353.1763	1177.0921
460.1679	5	G	20	2238.1494	1119.5786
559.2364	6	V	19	2181.1279	1091.0679
660.2840	7	T	18	2082.0595	1041.5337
797.3429	8	H	17	1981.0118	991.0098
911.3859	9	N	16	1843.9529	922.4804
1010.4543	10	V	15	1729.9100	**865.4589**
1107.5071	11	P	14	1630.8416	**815.9247**
1220.5911	12	I	13	1533.7888	**767.3983**
1383.6544	13	Y	12	1420.7047	**710.8563**
1512.6970	14	E	11	1257.6414	**629.3246**
1569.7185	15	G	10	**1128.5988**	**564.8033**
1732.7818	16	Y	9	**1071.5773**	536.2926
1803.8189	17	A	8	**908.5140**	**454.7609**
1916.9030	18	L	7	**837.4769**	**419.2424**
2013.9558	19	P	6	**724.3928**	**362.7003**
2151.0147	20	H	5	**627.3401**	**314.1740**
2222.0518	21	A	4	**490.2812**	245.6445
2335.1359	22	I	3	**419.2440**	210.1259
2466.1763	23	M	2	306.1600	153.5839
	24	R	1	175.1195	88.0637

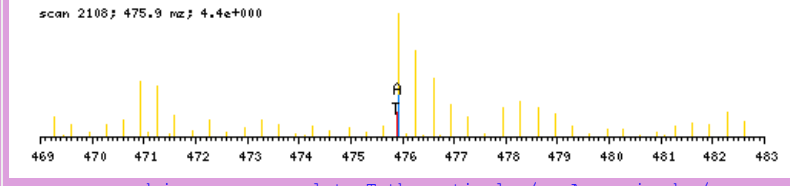
N-term:+29.04

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

DSQVHSGVQVEGR, MH+ 1425.7086, m/z 475.9077
L OS G16 P120811 220811-s1.02112.02112.3.dta



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



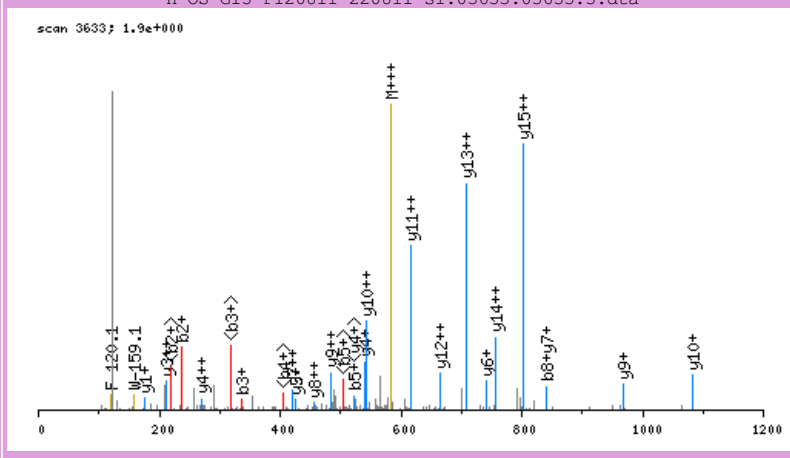
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
231.0981	2	S	12	1282.6504	641.8291
359.1566	3	Q	11	1195.6184	598.3131
458.2251	4	V	10	1067.5598	534.2838
595.2840	5	H	9	968.4914	484.7496
682.3160	6	S	8	831.4325	416.2201
739.3375	7	G	7	744.4004	372.7041
838.4059	8	V	6	687.3790	344.1934
966.4645	9	Q	5	588.3105	294.6592
1065.5329	10	V	4	460.2520	230.6299
1194.5755	11	E	3	361.1836	181.0957
1251.5969	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

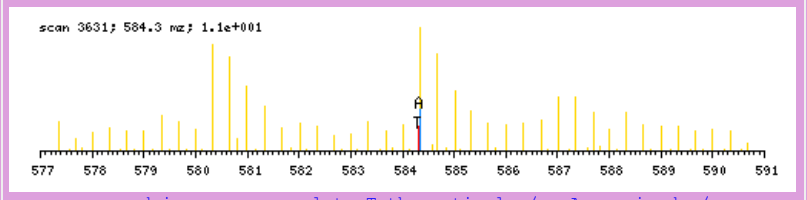
N-term:+29.04

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

DSVSVFNGAVSDDSKR, MH+ 1750.9248, m/z 584.3131
H OS G15 P120811 220811-s1.03633.03633.3.dta



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



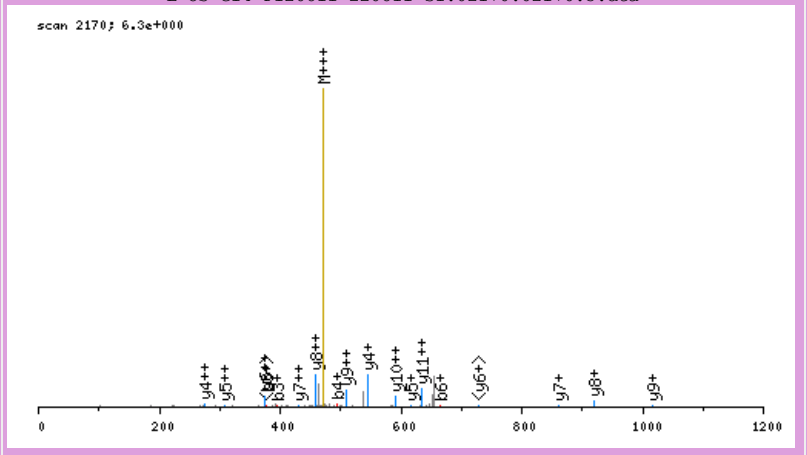
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	16		
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

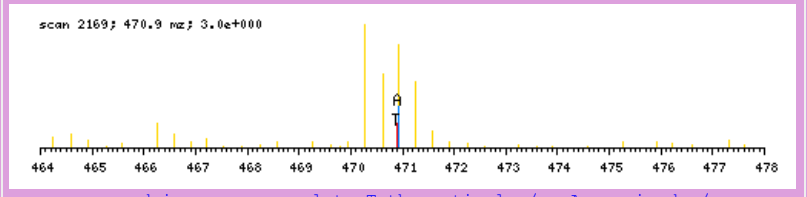
N-term:+35.07 K(15):+162.16

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+ 1410.6865, m/z 470.9004
L OS G14 P120811 220811-s1.02170.02170.3.dta



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



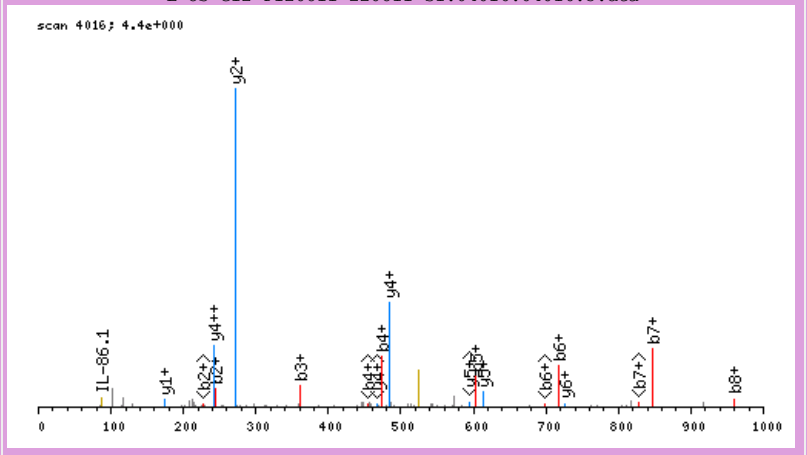
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	12		
231.0981	2	S	11	1267.6283	634.3181
394.1614	3	Y	10	1180.5963	590.8020
493.2298	4	V	9	1017.5329	509.2704
550.2513	5	G	8	918.4645	459.7362
665.2782	6	D	7	861.4431	431.2254
794.3208	7	E	6	746.4161	373.7120
865.3579	8	A	5	617.3735	309.1907
993.4165	9	Q	4	546.3364	273.6721
1080.4485	10	S	3	418.2778	209.6428
1236.5748	11	K	2	331.2458	166.1268
	12	R	1	175.1195	88.0637

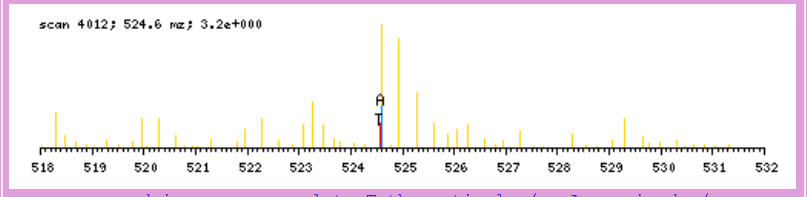
N-term:+29.04 K(11):+156.13

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

DTDLEDELEPDPR, MH+ 1571.7077, m/z 524.5741
L OS G12 P120811 220811-s1.04016.04016.3.dta



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



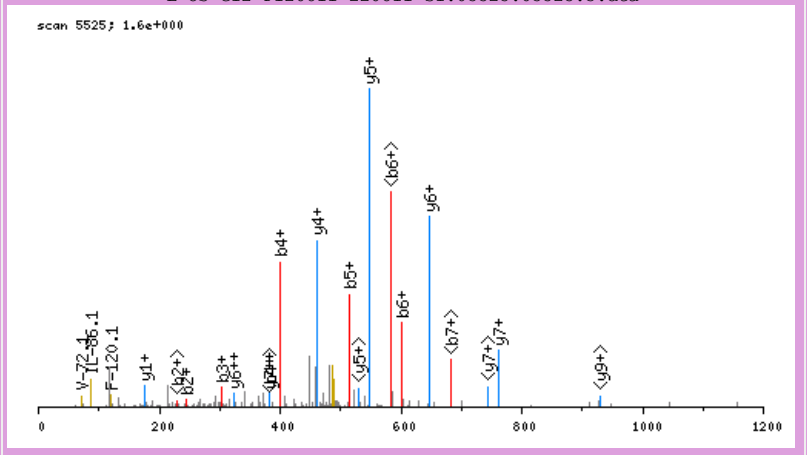
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
245.1137	2	T	12	1428.6494	714.8286
360.1407	3	D	11	1327.6018	664.3048
473.2247	4	L	10	1212.5748	606.7913
602.2673	5	E	9	1099.4908	550.2493
717.2943	6	D	8	970.4482	485.7280
846.3369	7	E	7	855.4212	428.2145
959.4209	8	L	6	**726.3786**	363.6932
1088.4635	9	E	5	**613.2946**	307.1512
1185.5163	10	P	4	**484.2520**	**242.6299**
1300.5432	11	D	3	387.1992	194.1035
1397.5960	12	P	2	**272.1723**	136.5900
	13	R	1	**175.1195**	88.0637

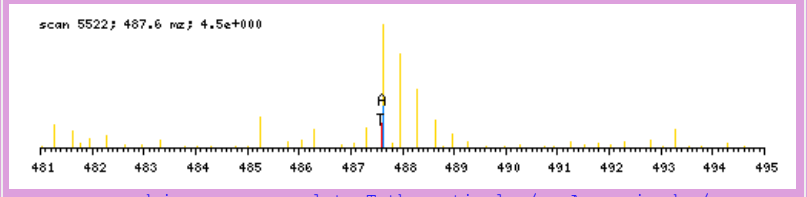
N-term:+29.04

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

DTGVISVLTSGLDR, MH+ 1460.7960, m/z 487.6035
L OS G12 P120811 220811-s1.05525.05525.3.dta



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



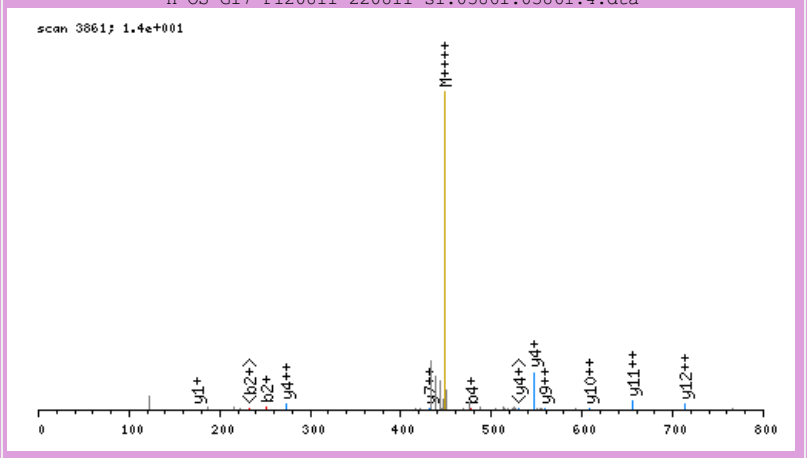
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	14		
245.1137	2	T	13	1317.7378	659.3728
302.1352	3	G	12	1216.6901	608.8490
401.2036	4	V	11	1159.6687	580.3382
514.2877	5	I	10	1060.6002	530.8040
601.3197	6	S	9	947.5162	474.2620
700.3881	7	V	8	860.4842	430.7460
813.4722	8	L	7	**761.4157**	**381.2118**
914.5198	9	T	6	**648.3317**	**324.6698**
1001.5519	10	S	5	**547.2840**	274.1459
1058.5733	11	G	4	**460.2520**	230.6299
1171.6574	12	L	3	403.2305	202.1192
1286.6843	13	D	2	290.1464	145.5771
	14	R	1	**175.1195**	88.0637

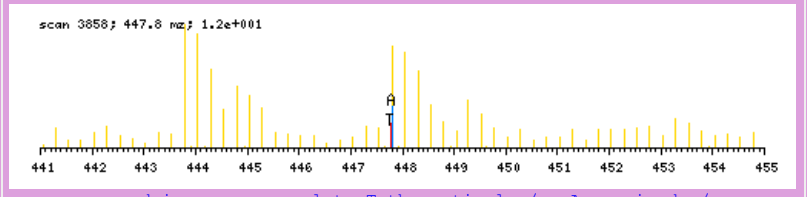
N-term:+29.04

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

DTILPPTRPTDKPLR, MH+ 1788.1020, m/z 447.7809
H OS G17 P120811 220811-s1.03861.03861.4.dta



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



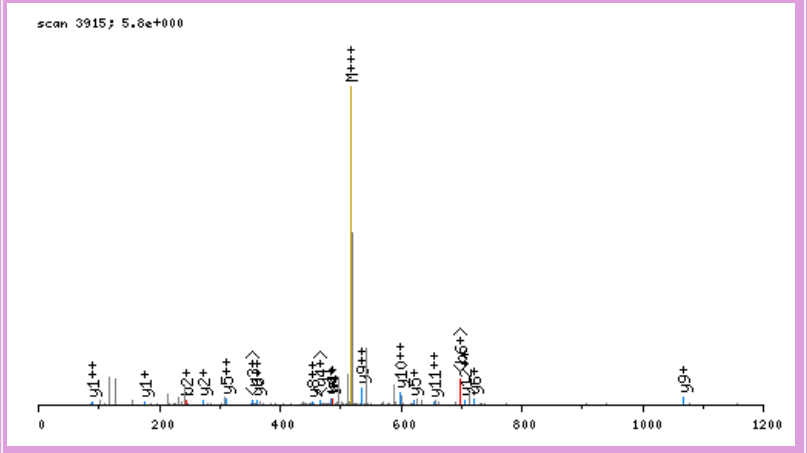
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
150.0978	1	D	15		
251.1455	2	T	14	1639.0119	820.0099
364.2296	3	I	13	1537.9643	769.4860
477.3136	4	L	12	1424.8802	**712.9440**
574.3664	5	P	11	1311.7961	**656.4020**
671.4192	6	P	10	1214.7434	**607.8756**
772.4669	7	T	9	1117.6906	**559.3492**
928.5680	8	R	8	1016.6429	508.8254
1025.6207	9	P	7	860.5418	**430.7748**
1126.6684	10	T	6	763.4891	382.2484
1241.6954	11	D	5	662.4414	331.7246
1403.8535	12	K	4	**547.4144**	**274.2111**
1500.9062	13	P	3	385.2563	193.1321
1613.9903	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

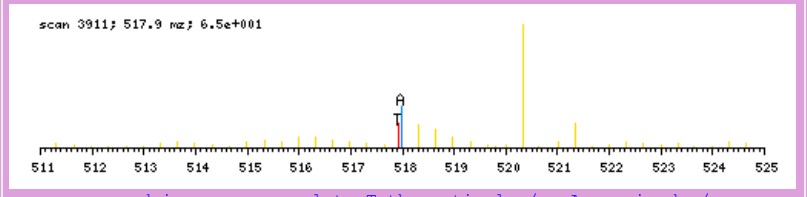
N-term:+35.07 K(12):+162.16

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

DTIQCADVHLVPR, MH+ 1551.7953, m/z 517.9366
L OS G15 P120811 220811-s1.03915.03915.3.dta



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



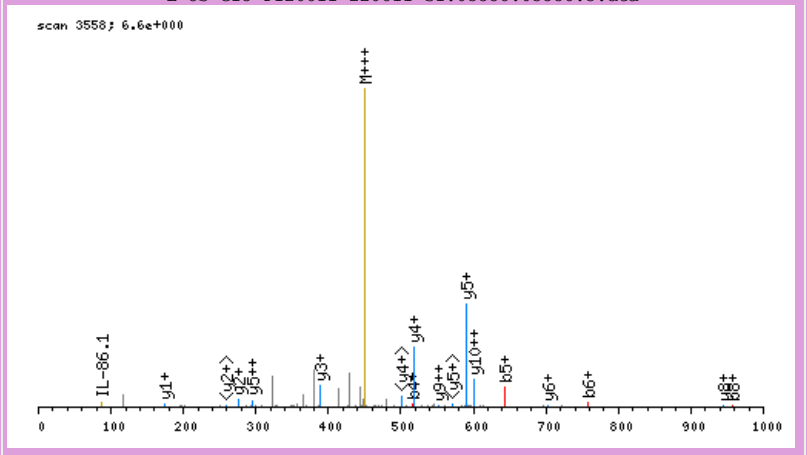
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
245.1137	2	T	12	1408.7370	**704.8724**
358.1978	3	I	11	1307.6894	**654.3486**
486.2564	4	Q	10	1194.6053	**597.8066**
646.2870	5	C	9	**1066.5467**	**533.7773**
717.3241	6	A	8	906.5161	**453.7620**
832.3510	7	D	7	835.4790	418.2434
931.4194	8	V	6	**720.4521**	**360.7299**
1068.4783	9	H	5	**621.3837**	**311.1957**
1181.5624	10	L	4	**484.3247**	242.6663
1280.6308	11	V	3	371.2407	186.1243
1377.6836	12	P	2	**272.1723**	136.5900
	13	R	1	**175.1195**	**88.0637**

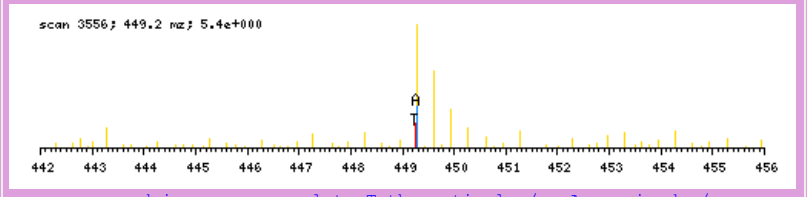
N-term:+29.04 C(5):+160.03

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

DTKNEIAELTR, MH+ 1345.7327, m/z 449.2491
L OS G15 P120811 220811-s1.03558.03558.3.dta



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



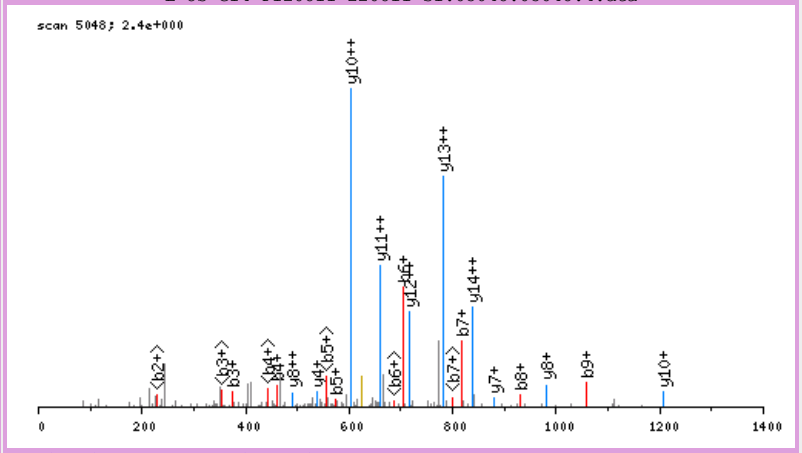
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	11		
245.1137	2	T	10	1202.6745	**601.8412**
401.2400	3	K	9	1101.6268	**551.3173**
515.2829	4	N	8	**945.5005**	473.2542
644.3255	5	E	7	831.4576	416.2327
757.4096	6	I	6	**702.4150**	351.7114
828.4467	7	A	5	**589.3310**	**295.1694**
957.4893	8	E	4	**518.2938**	259.6508
1070.5734	9	L	3	**389.2512**	195.1295
1171.6211	10	T	2	**276.1672**	138.5875
	11	R	1	**175.1195**	88.0637

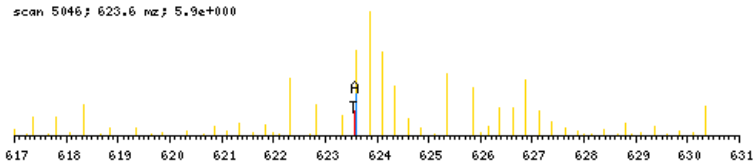
N-term:+29.04 K(3):+156.13

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

DTQSNELIEINPQTEGKVYTR, MH+ 2491.2680, m/z 623.5725
L OS G14 P120811 220811-s1.05048.05048.4.dta



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



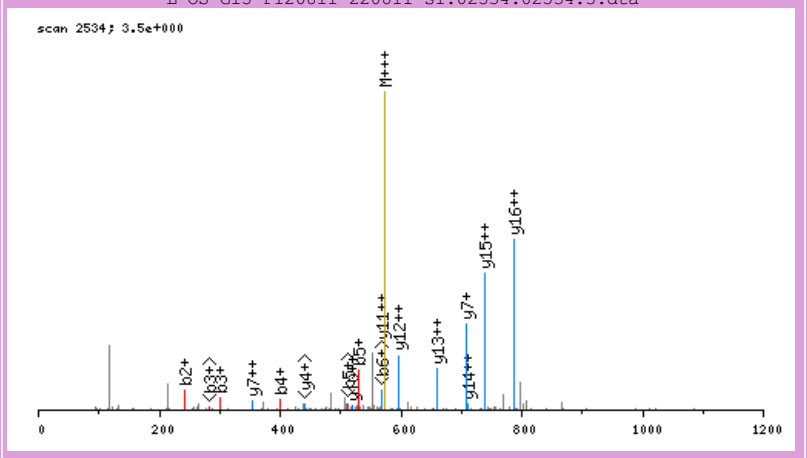
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

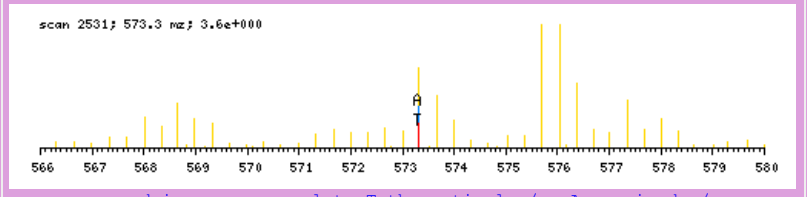
N-term:+29.04 K(17):+156.13

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

DVGVEGPKGDPGPQGPR, MH+ 1717.8873, m/z 573.3006
L OS G15 P120811 220811-s1.02534.02534.3.dta



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



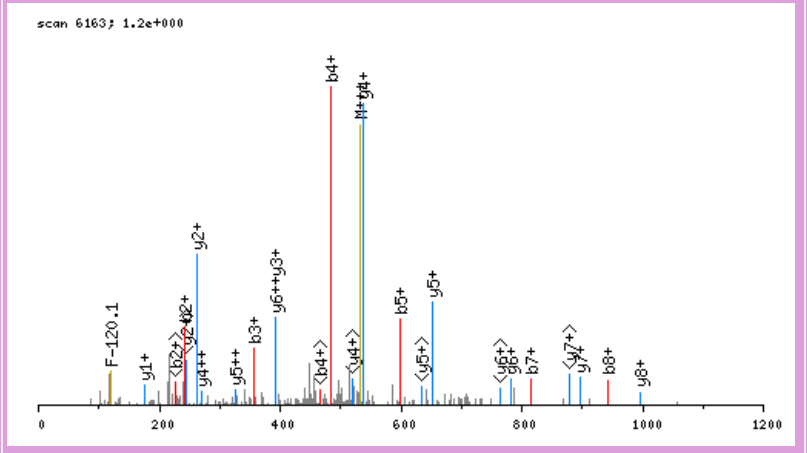
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	17		
243.1345	2	V	16	1574.8291	787.9185
300.1559	3	G	15	1475.7607	738.3843
399.2243	4	V	14	1418.7392	709.8735
528.2669	5	E	13	1319.6708	660.3393
585.2884	6	G	12	1190.6282	595.8180
682.3412	7	P	11	1133.6068	567.3073
838.4675	8	K	10	1036.5540	518.7809
895.4889	9	G	9	880.4277	440.7178
1010.5159	10	D	8	823.4062	412.2070
1107.5686	11	P	7	708.3793	354.6936
1164.5901	12	G	6	611.3265	306.1672
1261.6429	13	P	5	554.3051	277.6564
1389.7014	14	Q	4	457.2523	229.1301
1446.7229	15	G	3	329.1937	165.1008
1543.7757	16	P	2	272.1723	136.5900
	17	R	1	175.1195	88.0637

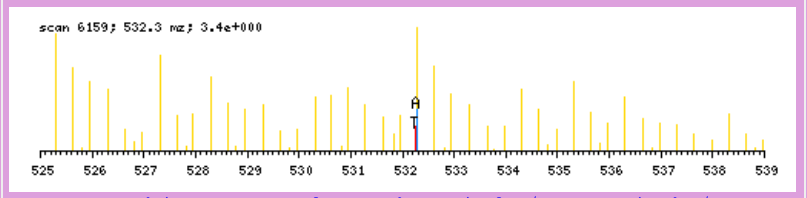
N-term:+29.04 K(8):+156.13

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

DVLELTDENFESR, MH+ 1594.7600, m/z 532.2582
L OS G13 P120811 220811-s1.06163.06163.3.dta



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



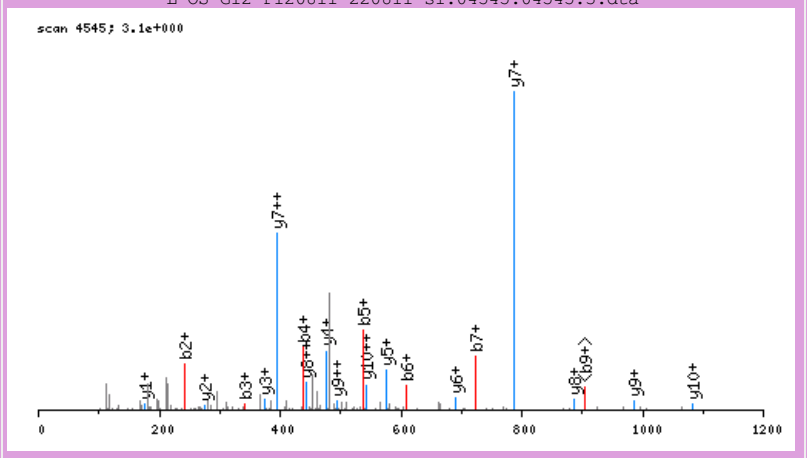
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	13		
243.1345	2	V	12	1451.7018	726.3548
356.2185	3	L	11	1352.6334	676.8206
485.2611	4	E	10	1239.5493	620.2786
598.3452	5	L	9	1110.5067	555.7573
699.3929	6	T	8	**997.4227**	499.2153
814.4198	7	D	7	**896.3750**	448.6914
943.4624	8	E	6	**781.3481**	**391.1779**
1057.5053	9	N	5	**652.3055**	**326.6566**
1204.5737	10	F	4	**538.2625**	**269.6352**
1333.6163	11	E	3	**391.1941**	196.1010
1420.6484	12	S	2	**262.1515**	131.5797
	13	R	1	**175.1195**	88.0637

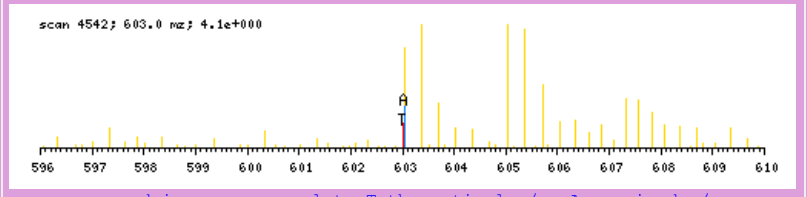
N-term:+29.04

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

DVPVVADPTVPNVTVTR, MH+ 1806.9965, m/z 603.0037
L OS G12 P120811 220811-s1.04545.04545.3.dta



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



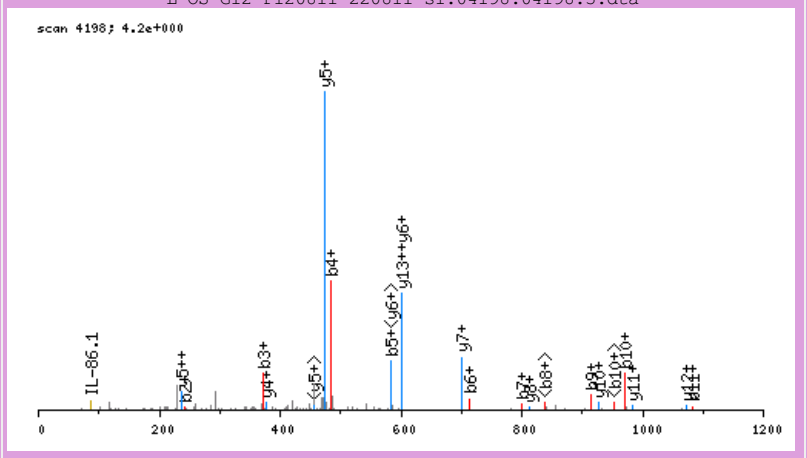
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	17		
243.1345	2	V	16	1663.9383	832.4731
340.1872	3	P	15	1564.8699	782.9389
439.2556	4	V	14	1467.8171	734.4125
538.3240	5	V	13	1368.7487	684.8783
609.3612	6	A	12	1269.6803	635.3441
724.3881	7	D	11	1198.6432	599.8255
821.4409	8	P	10	1083.6162	542.3120
922.4885	9	T	9	986.5635	493.7856
1021.5570	10	V	8	885.5158	443.2618
1118.6097	11	P	7	786.4474	393.7276
1232.6527	12	N	6	689.3946	345.2012
1331.7211	13	V	5	575.3517	288.1798
1432.7687	14	T	4	476.2833	238.6455
1531.8372	15	V	3	375.2356	188.1217
1632.8848	16	T	2	276.1672	138.5875
	17	R	1	175.1195	88.0637

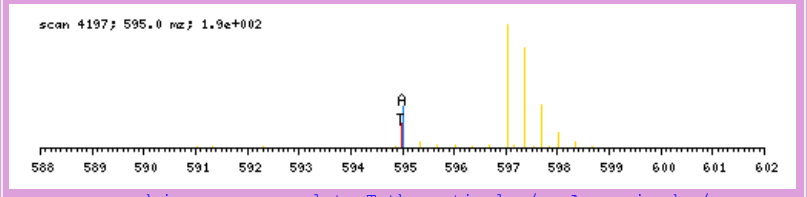
N-term:+29.04

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

DVQLVESGGGLVQPGGSR, MH+ 1782.9350, m/z 594.9832
L OS G12 P120811 220811-s1.04198.04198.3.dta



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



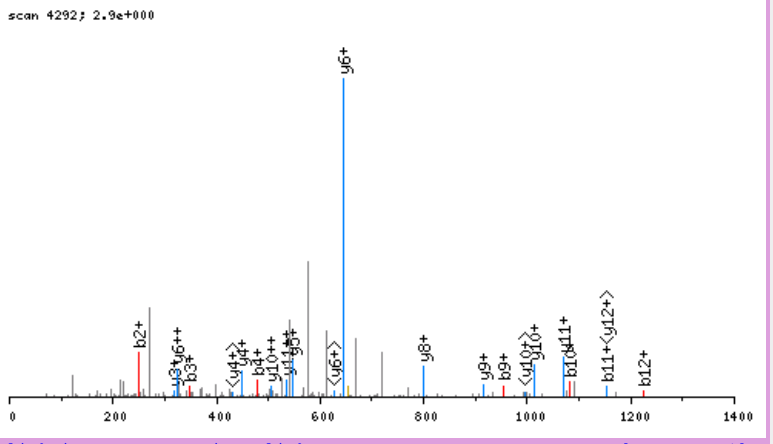
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	18		
243.1345	2	V	17	1639.8768	820.4423
371.1930	3	Q	16	1540.8083	770.9081
484.2771	4	L	15	1412.7498	706.8788
583.3455	5	V	14	1299.6657	650.3368
712.3881	6	E	13	1200.5973	**600.8026**
799.4201	7	S	12	**1071.5547**	536.2813
856.4416	8	G	11	**984.5227**	492.7652
913.4631	9	G	10	**927.5012**	464.2545
970.4845	10	G	9	870.4797	435.7438
1083.5686	11	L	8	**813.4583**	407.2331
1182.6370	12	V	7	**700.3742**	350.6910
1310.6956	13	Q	6	**601.3058**	301.1568
1407.7483	14	P	5	**473.2472**	**237.1275**
1464.7698	15	G	4	**376.1945**	188.6011
1521.7913	16	G	3	319.1730	160.0904
1608.8233	17	S	2	262.1515	131.5797
	18	R	1	175.1195	88.0637

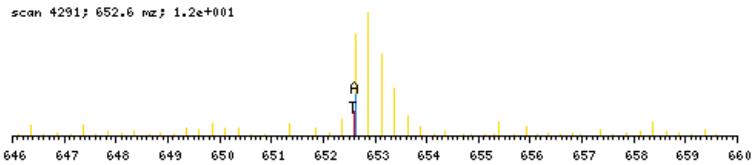
N-term:+29.04

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

DVVEGEKGAEAANVTGPDGVPVEGSR, MH+ 2607.3538, m/z 652.5939
H OS G14 P120811 220811-s1.04292.04292.4.dta



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



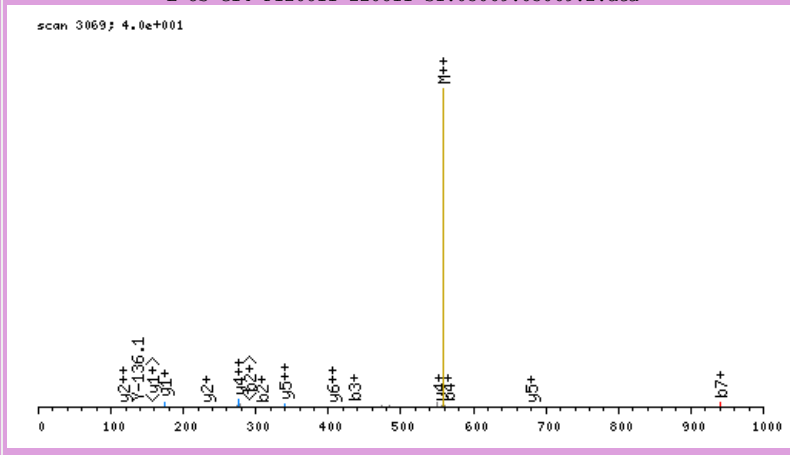
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

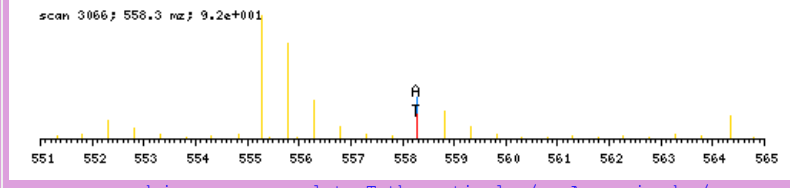
N-term:+35.07 K(7):+162.16

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

DYEEKYGR, MH+ 1115.5373, m/z 558.2723
L OS G14 P120811 220811-s1.03069.03069.2.dta



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



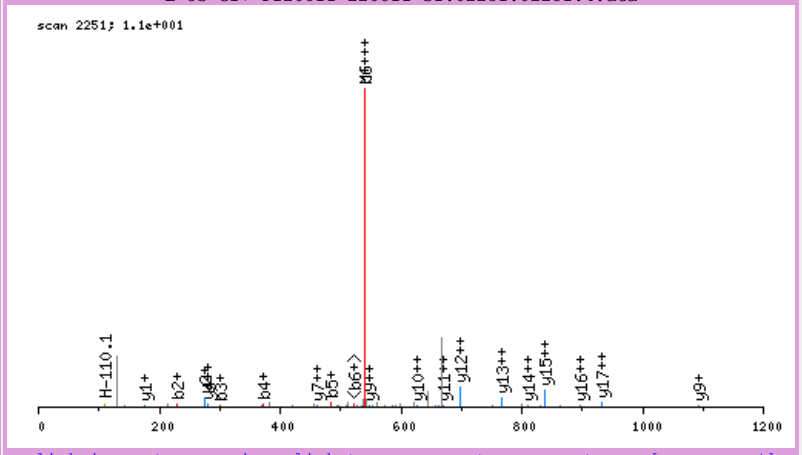
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
144.0660	1	D	8		
307.1294	2	Y	7	972.4791	486.7435
436.1720	3	E	6	809.4158	405.2118
565.2146	4	E	5	680.3732	340.6905
721.3409	5	K	4	551.3306	276.1692
884.4042	6	Y	3	395.2043	198.1061
941.4257	7	G	2	232.1410	116.5744
	8	R	1	175.1195	88.0637

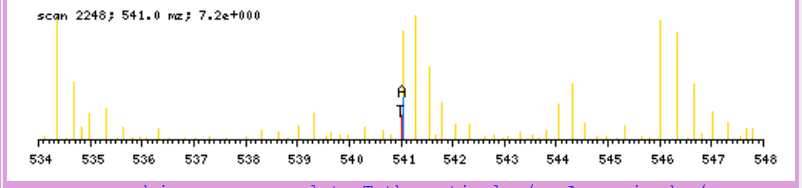
N-term:+29.04 K(5):+156.13

EAAALGSHGSCSSEVEKETR, MH+ 2161.0195, m/z 541.0103
L OS G17 P120811 220811-s1.02251.02251.4.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±]



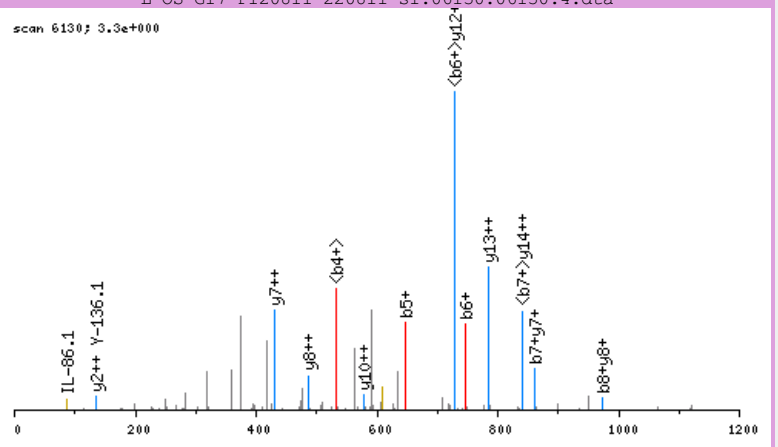
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
229.1188	2	A	19	2003.9456	1002.4767
300.1559	3	A	18	1932.9085	966.9582
371.1930	4	A	17	1861.8714	**931.4396**
484.2771	5	L	16	1790.8343	**895.9211**
541.2986	6	G	15	1677.7502	**839.3790**
628.3306	7	S	14	1620.7288	**810.8683**
765.3895	8	H	13	1533.6967	**767.3523**
822.4110	9	G	12	1396.6378	**698.8228**
909.4430	10	S	11	1339.6164	**670.3121**
1069.4736	11	C	10	1252.5843	**626.7961**
1156.5056	12	S	9	**1092.5537**	**546.7808**
1243.5377	13	S	8	1005.5217	503.2648
1372.5802	14	E	7	918.4897	**459.7487**
1471.6487	15	V	6	789.4471	395.2275
1600.6913	16	E	5	690.3787	345.6932
1756.8176	17	K	4	561.3361	**281.1719**
1885.8601	18	E	3	405.2098	203.1088
1986.9078	19	T	2	**276.1672**	138.5875
	20	R	1	**175.1195**	88.0637

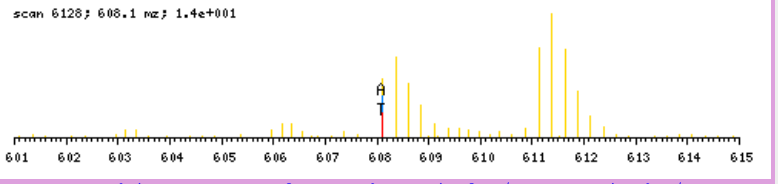
N-term:+29.04 C(11):+160.03
K(17):+156.13

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

EACCVVLLLWLALFLSIQPR, MH+ 2429.3452, m/z 608.0917
L OS G17 P120811 220811-s1.06130.06130.4.dta



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

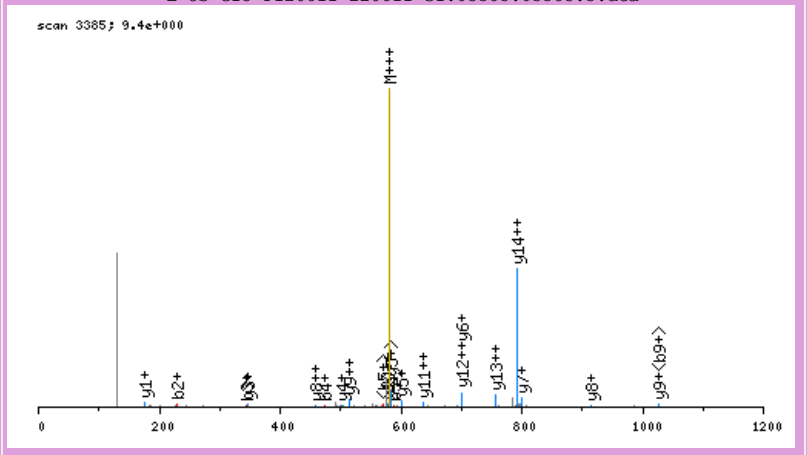


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

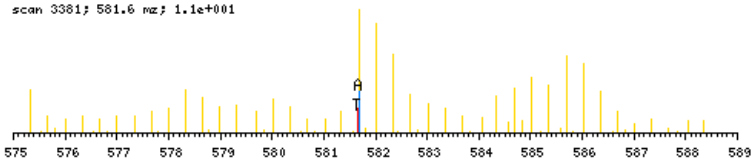
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
229.1188	2	A	19	2272.2713	1136.6396
389.1494	3	C	18	2201.2342	1101.1210
549.1800	4	C	17	2041.2036	1021.1057
648.2484	5	V	16	1881.1730	941.0904
747.3168	6	V	15	1782.1046	891.5562
860.4009	7	L	14	1683.0362	**842.0220**
973.4850	8	L	13	1569.9521	**785.4800**
1086.5690	9	L	12	1456.8680	**728.9379**
1272.6483	10	W	11	1343.7840	672.3959
1385.7324	11	L	10	1157.7047	**579.3562**
1456.7695	12	A	9	1044.6206	522.8142
1569.8536	13	L	8	**973.5835**	**487.2957**
1716.9220	14	F	7	**860.4994**	**430.7536**
1830.0061	15	L	6	713.4310	357.2194
1917.0381	16	S	5	600.3469	300.6774
2030.1222	17	I	4	513.3149	257.1614
2158.1807	18	Q	3	400.2308	200.6193
2255.2335	19	P	2	272.1723	**136.5900**
	20	R	1	175.1195	88.0637

N-term:+29.04 C(3):+160.03
C(4):+160.03

EADENENITVVKGIR, MH+ 1742.9289, m/z 581.6478
L OS G15 P120811 220811-s1.03385.03385.3.dta



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



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

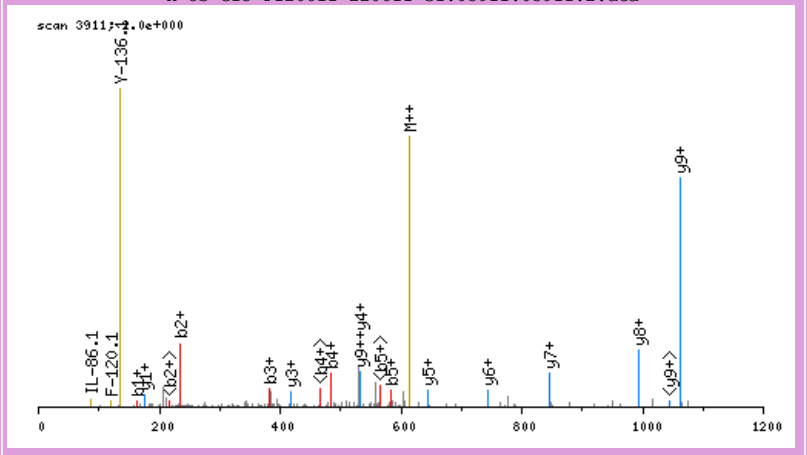
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
229.1188	2	A	14	1585.8550	793.4314
344.1458	3	D	13	1514.8179	757.9129
473.1883	4	E	12	1399.7909	700.3994
587.2313	5	N	11	1270.7483	635.8781
716.2739	6	E	10	1156.7054	578.8566
830.3168	7	N	9	1027.6628	514.3353
943.4009	8	I	8	913.6199	457.3139
1044.4485	9	T	7	800.5358	400.7718
1143.5169	10	V	6	699.4882	350.2480
1242.5854	11	V	5	600.4197	300.7138
1398.7117	12	K	4	501.3513	251.1796
1455.7331	13	G	3	345.2250	173.1164
1568.8172	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

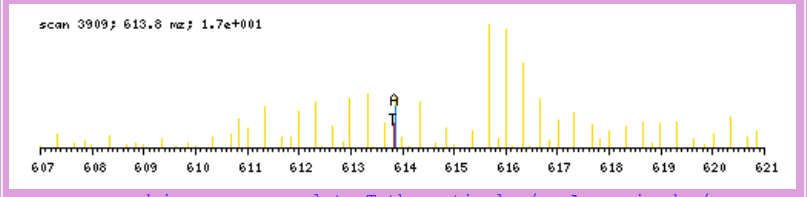
N-term:+29.04 K(12):+156.13

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

EAFTVIDQNR, MH+ 1226.6593, m/z 613.8333
H_OS_G13_P120811_220811-s1.03911.03911.2.dta



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



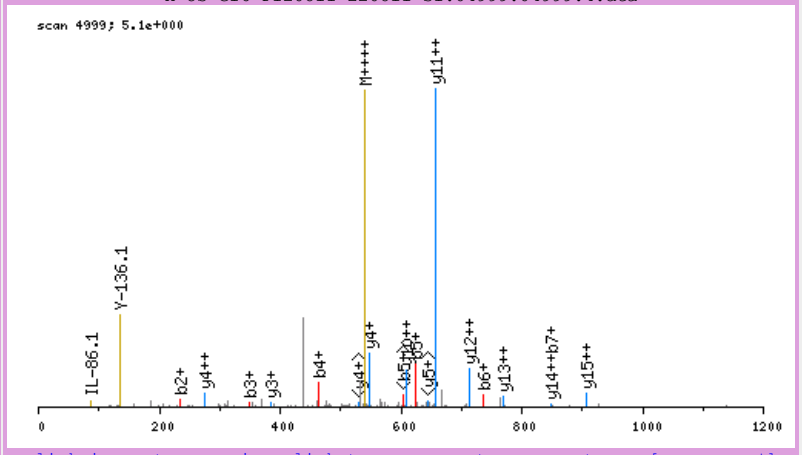
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	10		
235.1506	2	A	9	1063.5536	532.2807
382.2190	3	F	8	992.5165	496.7622
483.2667	4	T	7	845.4481	423.2280
582.3351	5	V	6	744.4004	372.7041
695.4192	6	I	5	645.3320	323.1699
810.4461	7	D	4	532.2479	266.6279
938.5047	8	Q	3	417.2210	209.1144
1052.5476	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

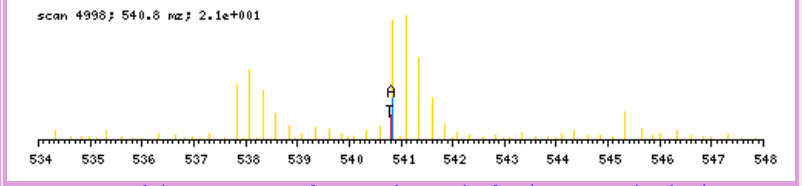
N-term:+35.07

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

EALDCILPPTRPTDKPLR, MH+ 2160.2486, m/z 540.8176
H OS G16 P120811 220811-s1.04999.04999.4.dta



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



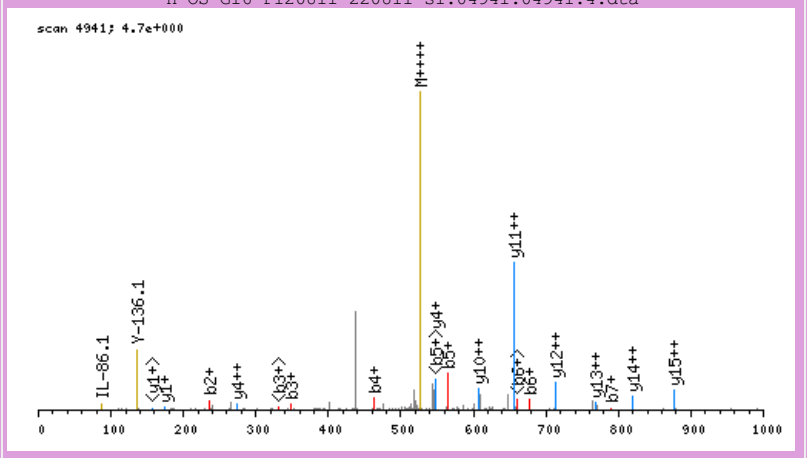
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

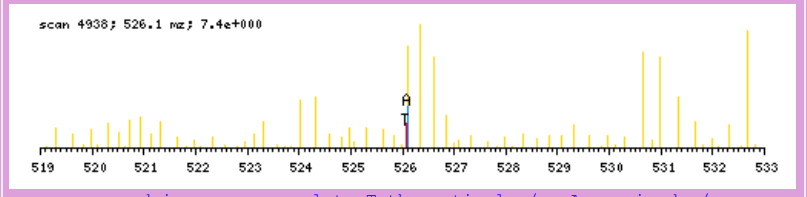
N-term:+35.07 C(5):+160.03
K(15):+162.16

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+ 2101.2657, m/z 526.0719
H OS G16 P120811 220811-s1.04941.04941.4.dta



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



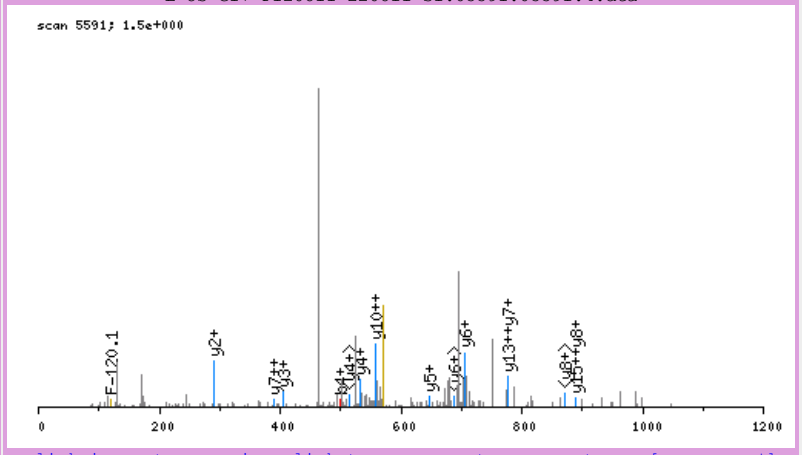
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
235.1506	2	A	17	1938.1601	969.5839
348.2347	3	L	16	1867.1229	934.0654
463.2616	4	D	15	1754.0389	**877.5234**
564.3093	5	T	14	1639.0119	**820.0099**
677.3934	6	I	13	1537.9643	**769.4860**
790.4774	7	L	12	1424.8802	**712.9440**
887.5302	8	P	11	1311.7961	**656.4020**
984.5829	9	P	10	1214.7434	**607.8756**
1085.6306	10	T	9	1117.6906	559.3492
1241.7317	11	R	8	1016.6429	508.8254
1338.7845	12	P	7	860.5418	430.7748
1439.8322	13	T	6	763.4891	382.2484
1554.8591	14	D	5	662.4414	331.7246
1717.0172	15	K	4	**547.4144**	**274.2111**
1814.0700	16	P	3	385.2563	193.1321
1927.1541	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

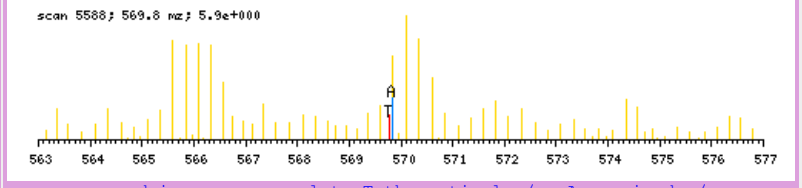
N-term:+35.07 K(15):+162.16

EANKIDFKELDIAGDEDNR, MH+ 2276.1411, m/z 569.7907
L OS G17 P120811 220811-s1.05591.05591.4.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±]

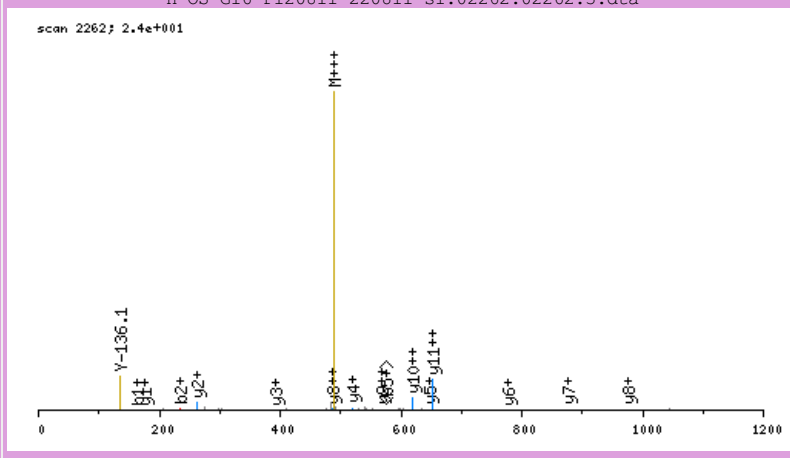


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

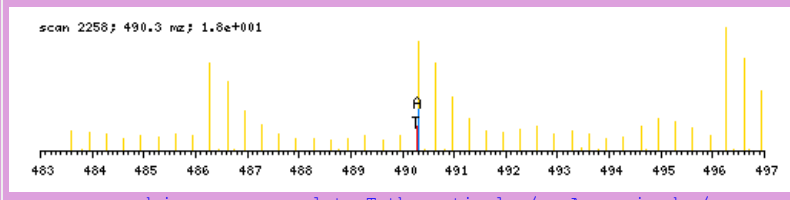
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	19		
229.1188	2	A	18	2119.0672	1060.0375
343.1617	3	N	17	2048.0301	1024.5190
499.2880	4	K	16	1933.9872	967.4975
612.3721	5	I	15	1777.8609	**889.4343**
727.3990	6	D	14	1664.7768	832.8923
874.4675	7	F	13	1549.7499	**775.3788**
1030.5938	8	K	12	1402.6814	701.8446
1159.6363	9	E	11	1246.5551	623.7815
1272.7204	10	L	10	1117.5126	**559.2602**
1387.7474	11	D	9	1004.4285	502.7182
1500.8314	12	I	8	**889.4015**	445.2047
1571.8685	13	A	7	**776.3175**	**388.6627**
1628.8900	14	G	6	**705.2804**	353.1441
1743.9169	15	D	5	**648.2589**	324.6334
1872.9595	16	E	4	**533.2320**	267.1199
1987.9865	17	D	3	**404.1894**	202.5986
2102.0294	18	N	2	**289.1624**	145.0851
	19	R	1	175.1195	88.0637

N-term:+29.04 K(4):+156.13
K(8):+156.13

EAPKVVEEQESR, MH+ 1468.8284, m/z 490.2810
H OS G16 P120811 220811-s1.02262.02262.3.dta



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



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

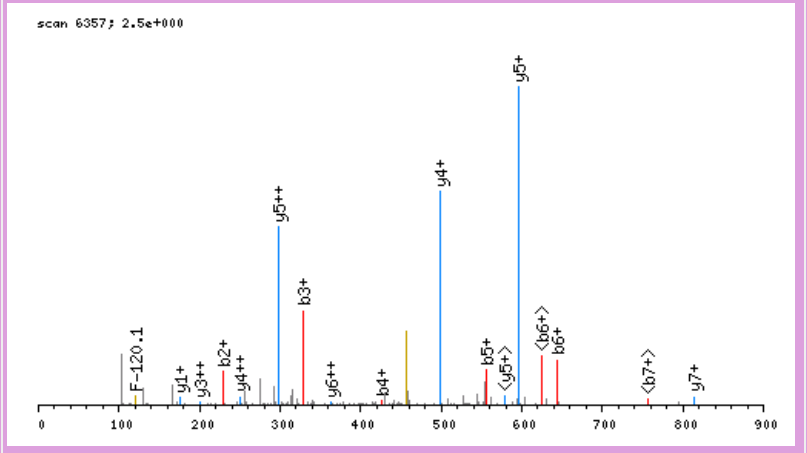
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	12		
235.1506	2	A	11	1305.7227	653.3653
332.2034	3	P	10	1234.6856	617.8467
494.3615	4	K	9	1137.6328	569.3203
593.4299	5	V	8	975.4747	488.2413
692.4983	6	V	7	876.4063	438.7071
821.5409	7	E	6	777.3379	389.1729
950.5835	8	E	5	648.2953	324.6516
1078.6421	9	Q	4	519.2527	260.1303
1207.6847	10	E	3	391.1941	196.1010
1294.7167	11	S	2	262.1515	131.5797
	12	R	1	175.1195	88.0637

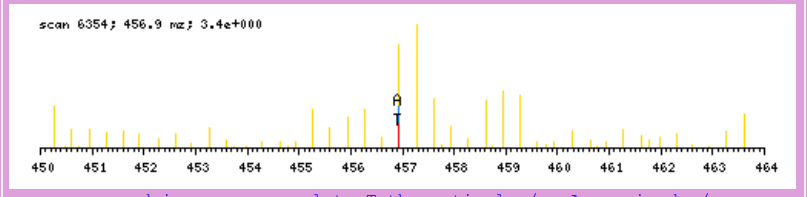
N-term:+35.07 K(4):+162.16

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

EAVPMSMPPILR, MH+ 1368.7383, m/z 456.9176
L OS G13 P120811 220811-s1.06357.06357.3.dta



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



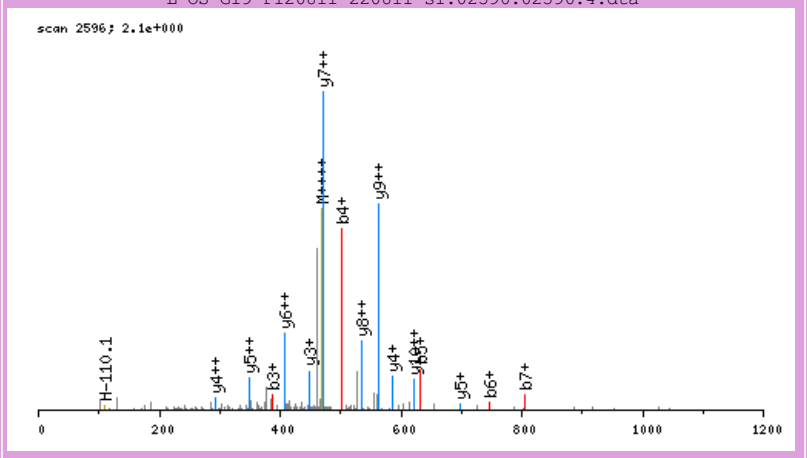
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
229.1188	2	A	11	1211.6644	606.3361
328.1872	3	V	10	1140.6273	570.8176
425.2400	4	P	9	1041.5589	521.2834
556.2805	5	M	8	944.5062	472.7570
643.3125	6	S	7	**813.4657**	407.2367
774.3530	7	M	6	726.4336	**363.7207**
871.4057	8	P	5	**595.3932**	**298.2005**
968.4585	9	P	4	**498.3404**	**249.6741**
1081.5426	10	I	3	401.2876	**201.1477**
1194.6266	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

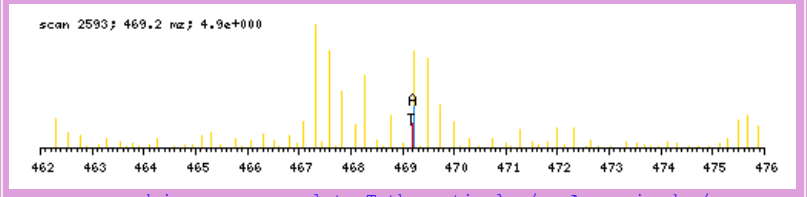
N-term:+29.04

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

EDDDEDGEELLHHHR, MH+ 1873.7952, m/z 469.2043
L OS G19 P120811 220811-s1.02596.02596.4.dta



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



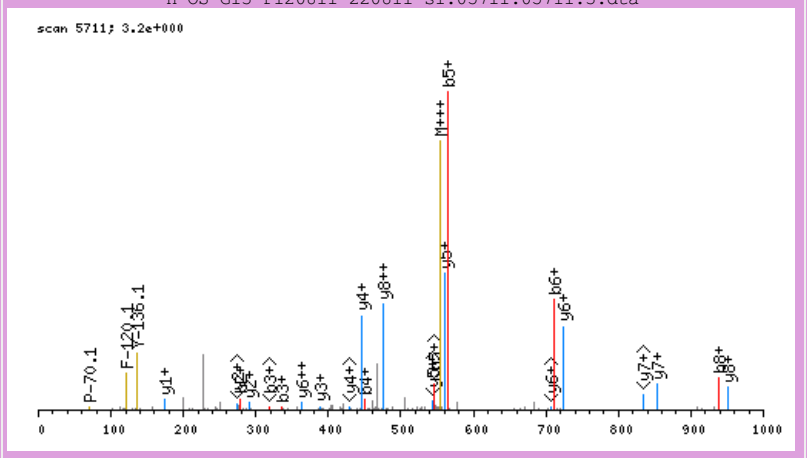
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
273.1086	2	D	14	1716.7214	858.8646
388.1356	3	D	13	1601.6944	801.3511
503.1625	4	D	12	1486.6675	743.8377
632.2051	5	E	11	1371.6406	686.3242
747.2321	6	D	10	1242.5980	**621.8029**
804.2535	7	G	9	1127.5710	**564.2894**
933.2961	8	E	8	1070.5496	**535.7787**
1062.3387	9	E	7	941.5070	**471.2574**
1175.4228	10	L	6	812.4644	**406.7361**
1288.5068	11	L	5	**699.3803**	**350.1941**
1425.5657	12	H	4	**586.2962**	**293.6520**
1562.6247	13	H	3	**449.2373**	225.1226
1699.6836	14	H	2	312.1784	156.5931
	15	R	1	175.1195	88.0637

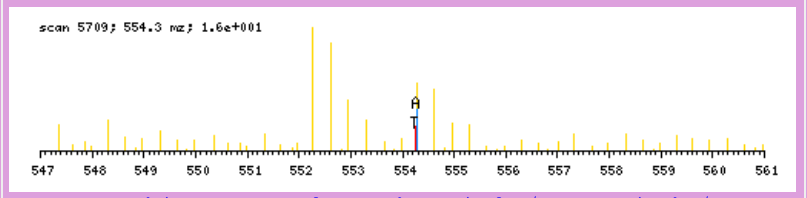
N-term:+29.04

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

EDGLDFPEYDGVDR, MH+ 1660.7554, m/z 554.2567
H OS G13 P120811 220811-s1.05711.05711.3.dta



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



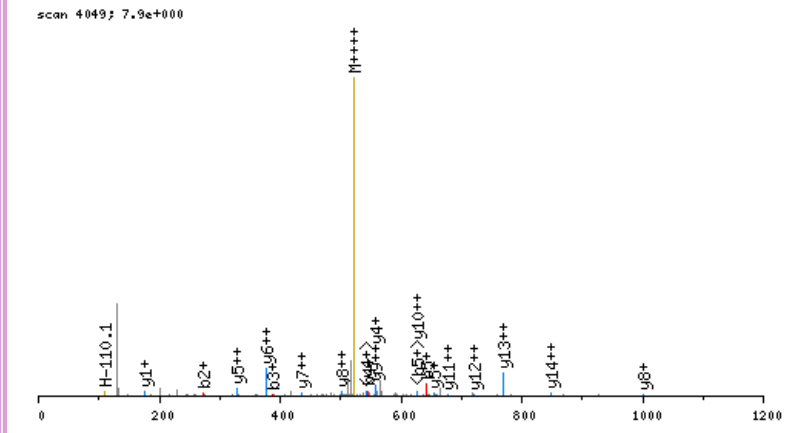
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

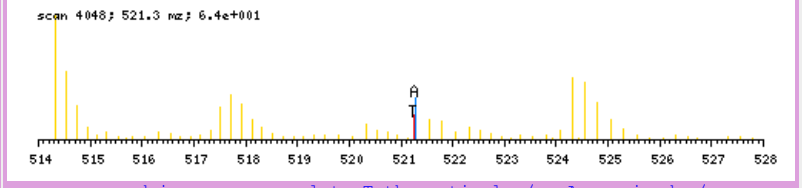
N-term:+35.07

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+ 2082.0112, m/z 521.2583
L OS G17 P120811 220811-s1.04049.04049.4.dta



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



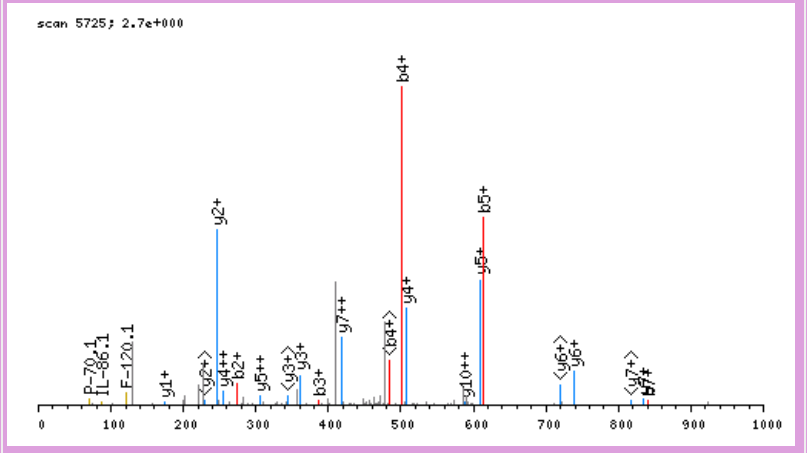
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
273.1086	2	D	16	1924.9373	962.9726
386.1927	3	I	15	1809.9104	905.4591
546.2233	4	C	14	1696.8263	**848.9171**
643.2761	5	P	13	1536.7957	**768.9018**
730.3081	6	S	12	1439.7429	**720.3754**
831.3558	7	T	11	1352.7109	**676.8594**
968.4147	8	H	10	1251.6632	**626.3355**
1082.4576	9	N	9	1114.6043	**557.8061**
1213.4981	10	M	8	**1000.5614**	**500.7846**
1328.5250	11	D	7	869.5209	**435.2644**
1427.5935	12	V	6	754.4940	**377.7509**
1524.6462	13	P	5	**655.4256**	**328.2167**
1638.6891	14	N	4	**558.3728**	279.6903
1751.7732	15	I	3	444.3299	222.6688
1907.8995	16	K	2	331.2458	166.1268
	17	R	1	**175.1195**	88.0637

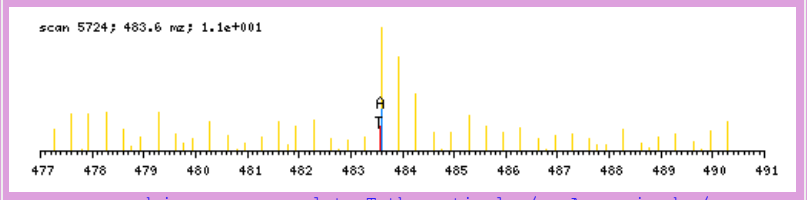
N-term:+29.04 C(4):+160.03
K(16):+156.13

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

EDIDLPETFDAR, MH+ 1448.6909, m/z 483.5685
L OS G13 P120811 220811-s1.05725.05725.3.dta



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



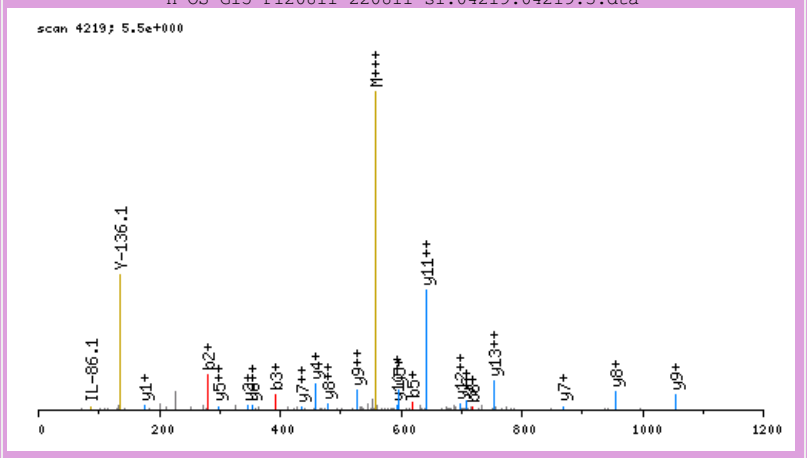
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
273.1086	2	D	11	1291.6170	646.3124
386.1927	3	I	10	1176.5901	588.7990
501.2196	4	D	9	1063.5060	532.2569
614.3037	5	L	8	948.4791	474.7434
711.3565	6	P	7	835.3950	418.2014
840.3991	7	E	6	738.3422	369.6750
941.4467	8	T	5	609.2997	305.1537
1088.5152	9	F	4	508.2520	254.6299
1203.5421	10	D	3	361.1836	181.0957
1274.5792	11	A	2	246.1566	123.5822
	12	R	1	175.1195	88.0637

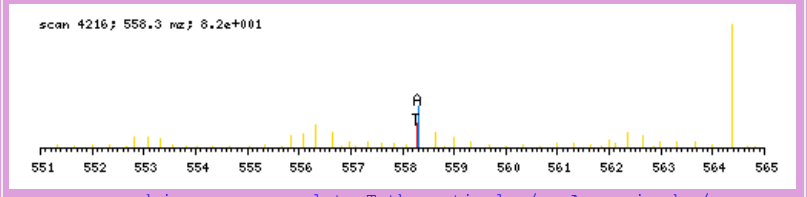
N-term:+29.04

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

EDIPEVSCIHNGLR, MH+ 1672.8540, m/z 558.2895
H OS G15 P120811 220811-s1.04219.04219.3.dta



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



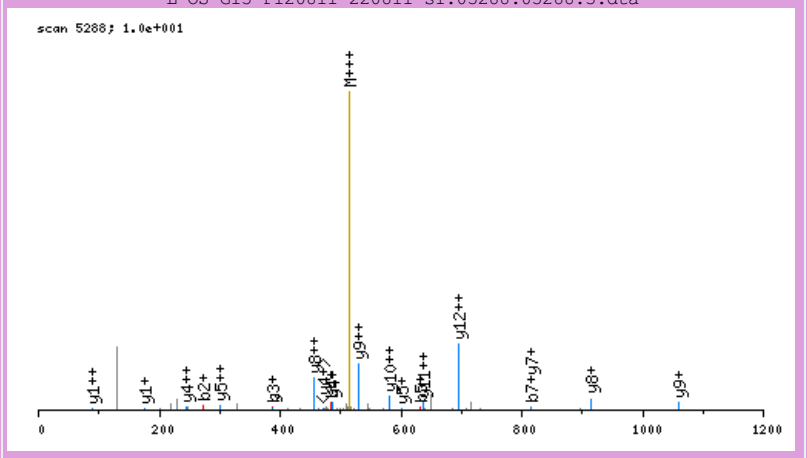
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

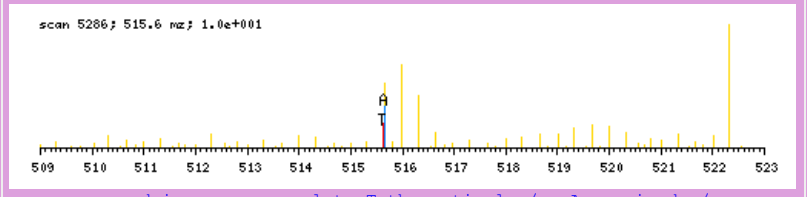
N-term:+35.07 C(8):+160.03

EDLVFPSEIVGKR, MH+ 1544.8688, m/z 515.6278
L OS G15 P120811 220811-s1.05288.05288.3.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±]



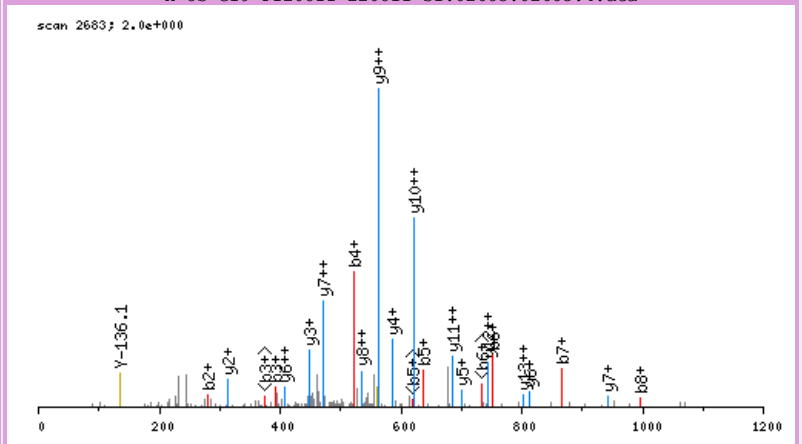
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
273.1086	2	D	12	1387.7950	694.4014
386.1927	3	L	11	1272.7680	636.8879
485.2611	4	V	10	1159.6840	580.3459
632.3295	5	F	9	1060.6155	530.8117
729.3823	6	P	8	913.5471	457.2775
816.4143	7	S	7	816.4944	408.7511
945.4569	8	E	6	729.4623	365.2351
1058.5410	9	I	5	600.4197	300.7138
1157.6094	10	V	4	487.3357	244.1718
1214.6309	11	G	3	388.2673	194.6375
1370.7572	12	K	2	331.2458	166.1268
	13	R	1	175.1195	88.0637

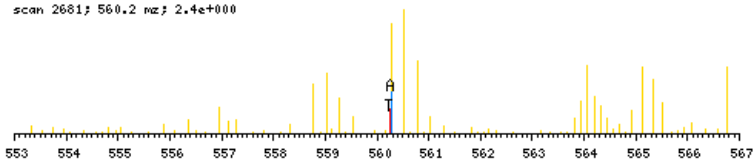
N-term:+29.04 K(12):+156.13

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

EDNEDDDEDGEELLHHHR, MH+ 2237.9395, m/z 560.2403
H OS G19 P120811 220811-s1.02683.02683.4.dta



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



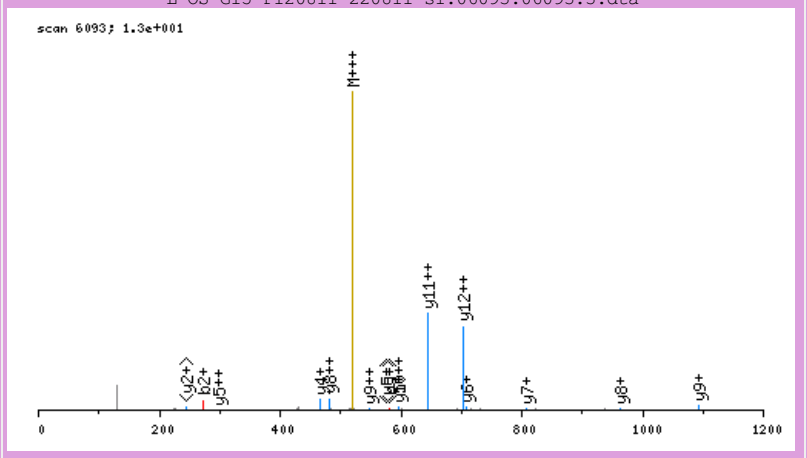
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
279.1404	2	D	17	2074.8338	1037.9208
393.1834	3	N	16	1959.8069	980.4074
522.2260	4	E	15	1845.7640	923.3859
637.2529	5	D	14	1716.7214	858.8646
752.2798	6	D	13	1601.6944	**801.3511**
867.3068	7	D	12	1486.6675	**743.8377**
996.3494	8	E	11	1371.6406	**686.3242**
1111.3763	9	D	10	1242.5980	**621.8029**
1168.3978	10	G	9	1127.5710	**564.2894**
1297.4404	11	E	8	1070.5496	**535.7787**
1426.4830	12	E	7	**941.5070**	**471.2574**
1539.5670	13	L	6	**812.4644**	**406.7361**
1652.6511	14	L	5	**699.3803**	350.1941
1789.7100	15	H	4	**586.2962**	293.6520
1926.7689	16	H	3	**449.2373**	225.1226
2063.8278	17	H	2	**312.1784**	156.5931
	18	R	1	175.1195	88.0637

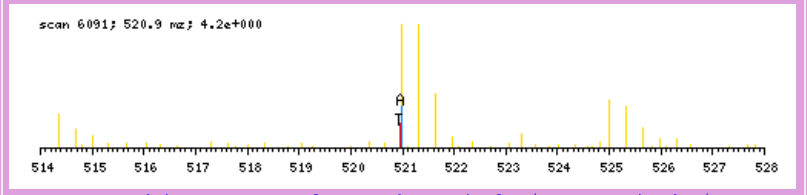
N-term:+35.07

EDPVEKVIEGFSR, MH+ 1560.8274, m/z 520.9473
L OS G15 P120811 220811-s1.06093.06093.3.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±]



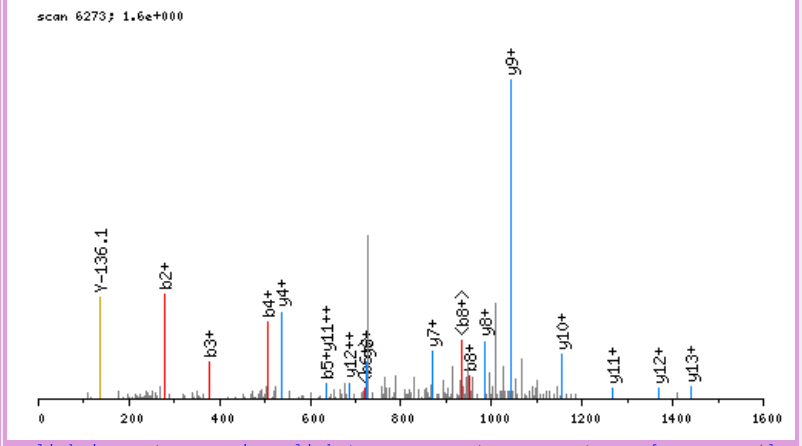
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
273.1086	2	D	12	1403.7535	702.3807
370.1614	3	P	11	1288.7265	644.8672
469.2298	4	V	10	1191.6738	596.3408
598.2724	5	E	9	1092.6054	546.8066
754.3987	6	K	8	963.5628	482.2853
853.4671	7	V	7	807.4365	404.2222
966.5512	8	I	6	708.3681	354.6879
1095.5938	9	E	5	595.2840	298.1459
1152.6152	10	G	4	466.2414	233.6246
1299.6837	11	F	3	409.2199	205.1139
1386.7157	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

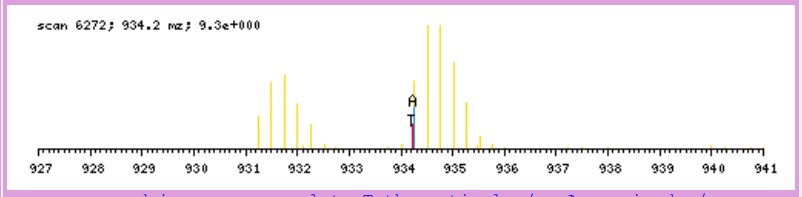
N-term:+29.04 K(6):+156.13

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

EDVQETDTSQKDQSPASHEIATNLGDFAISLYR, MH+ 3733.8469, m/z 934.2172
H OS G16 P120811 220811-s1.06273.06273.4.dta



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



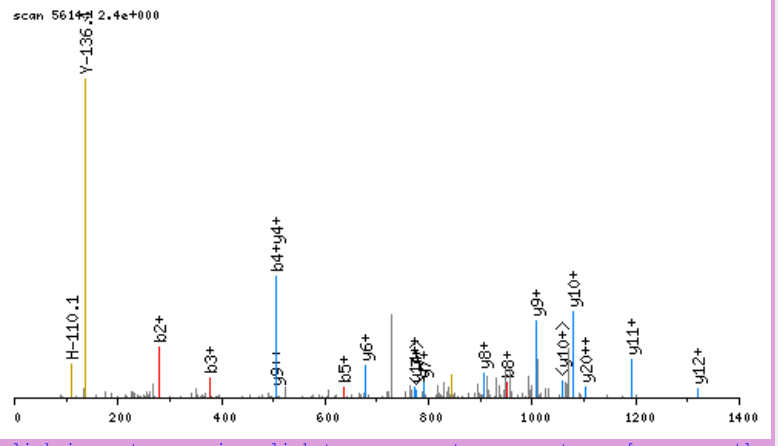
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	33		
279.1404	2	D	32	3570.7413	1785.8745
378.2089	3	V	31	3455.7143	1728.3611
506.2674	4	Q	30	3356.6459	1678.8269
635.3100	5	E	29	3228.5873	1614.7976
736.3577	6	T	28	3099.5447	1550.2763
851.3846	7	D	27	2998.4971	1499.7524
952.4323	8	T	26	2883.4701	1442.2390
1039.4643	9	S	25	2782.4224	1391.7151
1167.5229	10	Q	24	2695.3904	1348.1991
1329.6810	11	K	23	2567.3318	1284.1698
1444.7080	12	D	22	2405.1737	1203.0908
1572.7665	13	Q	21	2290.1468	1145.5773
1659.7986	14	S	20	2162.0882	1081.5480
1756.8513	15	P	19	2075.0562	1038.0320
1827.8885	16	A	18	1978.0034	989.5056
1914.9205	17	S	17	1906.9663	953.9871
2051.9794	18	H	16	1819.9343	910.4710
2181.0220	19	E	15	1682.8754	841.9416
2294.1061	20	I	14	1553.8328	777.4203
2365.1432	21	A	13	**1440.7487**	720.8783
2466.1908	22	T	12	**1369.7116**	**685.3597**
2580.2338	23	N	11	**1268.6639**	**634.8359**
2693.3178	24	L	10	**1154.6210**	577.8144
2750.3393	25	G	9	**1041.5369**	521.2724
2865.3662	26	D	8	**984.5155**	492.7616
3012.4347	27	F	7	**869.4885**	435.2482
3083.4718	28	A	6	**722.4201**	361.7140
3196.5558	29	I	5	651.3830	326.1954
3283.5879	30	S	4	**538.2989**	269.6534
3396.6719	31	L	3	451.2669	226.1374
3559.7353	32	Y	2	338.1828	169.5953
	33	R	1	175.1195	88.0637

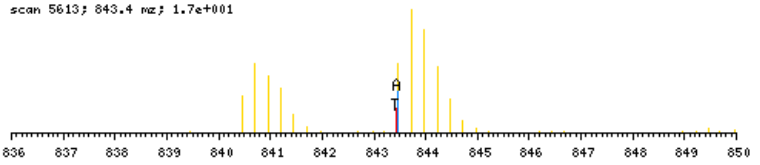
N-term:+35.07 K(11):+162.16

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

EDVQETDTSQKDQSPASHEIATNLGDFALR, MH+ 3370.6675, m/z 843.4223
H OS G16 P120811 220811-s1.05614.05614.4.dta



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



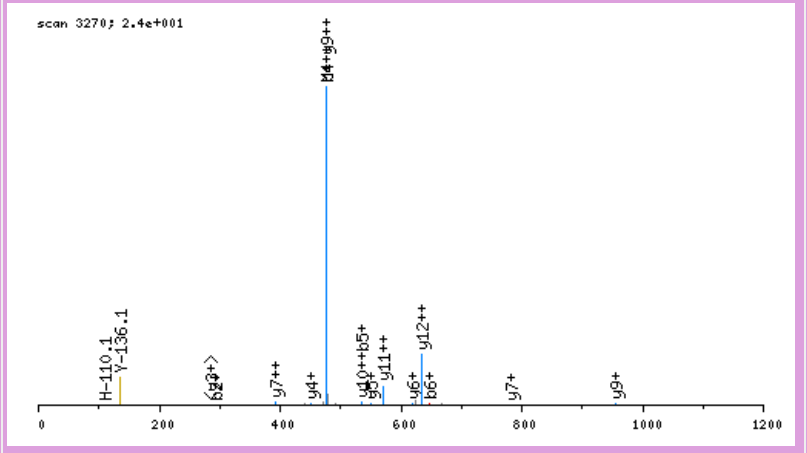
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	30		
279.1404	2	D	29	3207.5618	1604.2848
378.2089	3	V	28	3092.5349	1546.7714
506.2674	4	Q	27	2993.4665	1497.2372
635.3100	5	E	26	2865.4079	1433.2079
736.3577	6	T	25	2736.3653	1368.6866
851.3846	7	D	24	2635.3176	1318.1627
952.4323	8	T	23	2520.2907	1260.6493
1039.4643	9	S	22	2419.2430	1210.1254
1167.5229	10	Q	21	2332.2110	1166.6094
1329.6810	11	K	20	2204.1524	**1102.5801**
1444.7080	12	D	19	2041.9943	1021.5011
1572.7665	13	Q	18	1926.9674	963.9876
1659.7986	14	S	17	1798.9088	899.9583
1756.8513	15	P	16	1711.8768	856.4423
1827.8885	16	A	15	1614.8240	807.9159
1914.9205	17	S	14	1543.7869	**772.3974**
2051.9794	18	H	13	1456.7549	728.8813
2181.0220	19	E	12	**1319.6959**	660.3519
2294.1061	20	I	11	**1190.6533**	595.8306
2365.1432	21	A	10	**1077.5693**	539.2886
2466.1908	22	T	9	**1006.5322**	**503.7700**
2580.2338	23	N	8	**905.4845**	453.2462
2693.3178	24	L	7	**791.4416**	396.2247
2750.3393	25	G	6	**678.3575**	339.6827
2865.3662	26	D	5	621.3360	311.1719
3012.4347	27	F	4	**506.3091**	253.6585
3083.4718	28	A	3	359.2407	180.1243
3196.5558	29	L	2	288.2036	144.6057
	30	R	1	175.1195	88.0637

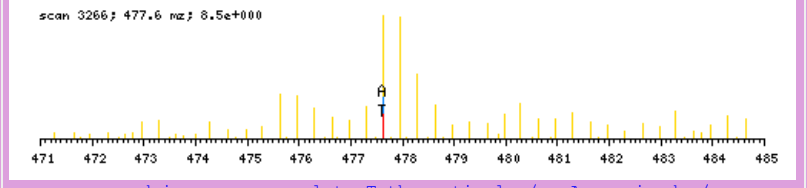
N-term:+35.07 K(11):+162.16

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

EEALGDKAVFAGR, MH+ 1430.8280, m/z 477.6142
H OS G15 P120811 220811-s1.03270.03270.3.dta



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



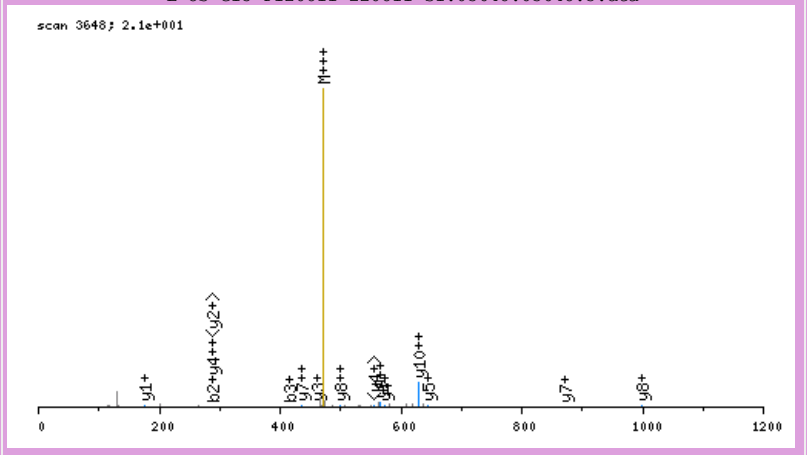
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
293.1561	2	E	12	1267.7223	**634.3651**
364.1932	3	A	11	1138.6797	**569.8438**
477.2773	4	L	10	1067.6426	**534.3252**
534.2987	5	G	9	**954.5585**	**477.7832**
649.3257	6	D	8	897.5371	449.2724
811.4838	7	K	7	**782.5101**	**391.7590**
882.5209	8	A	6	**620.3520**	310.6799
981.5893	9	V	5	**549.3149**	275.1614
1128.6577	10	F	4	**450.2465**	225.6272
1199.6948	11	A	3	303.1781	152.0930
1256.7163	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

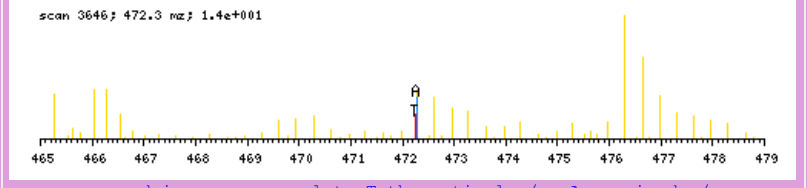
N-term:+35.07 K(7):+162.16

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

EEEELIALKER, MH+ 1414.7793, m/z 472.2646
L OS G15 P120811 220811-s1.03648.03648.3.dta



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



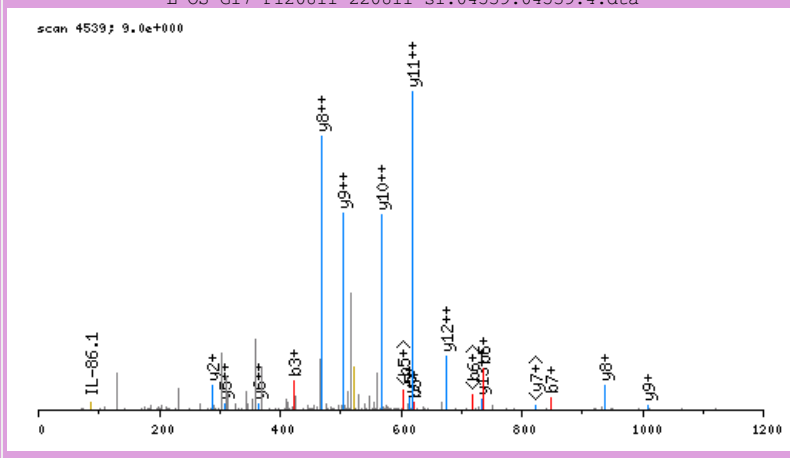
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

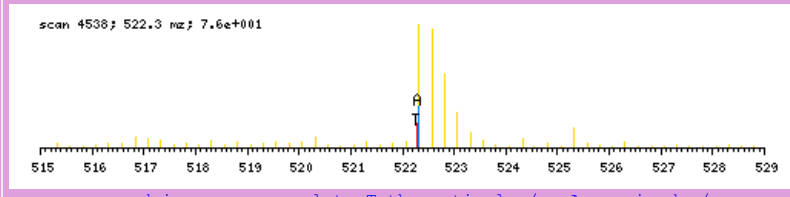
N-term:+29.04 K(9):+156.13

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

EEHPTLLTEAPLNPKANR, MH+ 2086.1297, m/z 522.2879
L OS G17 P120811 220811-s1.04539.04539.4.dta



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



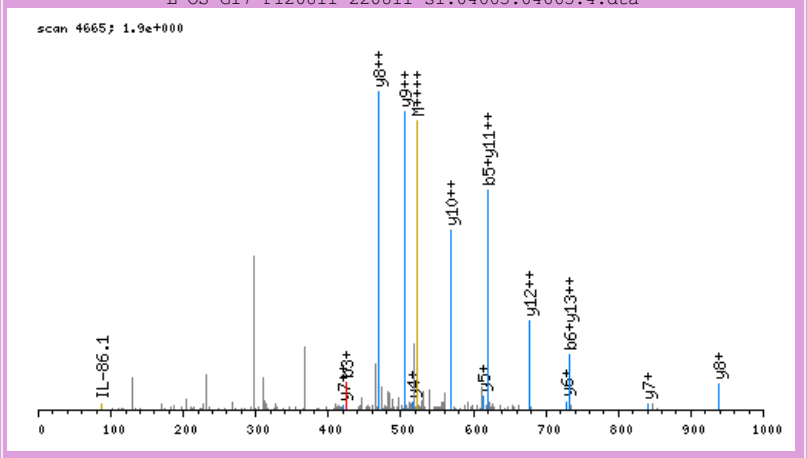
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
287.1243	2	E	17	1929.0558	965.0318
424.1832	3	H	16	1800.0132	900.5105
521.2360	4	P	15	1662.9543	831.9811
622.2836	5	T	14	1565.9016	783.4547
735.3677	6	L	13	1464.8539	**732.9308**
848.4518	7	L	12	1351.7698	**676.3888**
949.4994	8	T	11	1238.6857	**619.8468**
1078.5420	9	E	10	1137.6381	**569.3229**
1149.5792	10	A	9	**1008.5955**	**504.8017**
1246.6319	11	P	8	**937.5584**	**469.2831**
1359.7160	12	L	7	840.5056	420.7567
1473.7589	13	N	6	727.4215	**364.2147**
1570.8117	14	P	5	**613.3786**	**307.1932**
1726.9380	15	K	4	516.3258	258.6668
1797.9751	16	A	3	360.1995	180.6037
1912.0180	17	N	2	**289.1624**	145.0851
	18	R	1	175.1195	88.0637

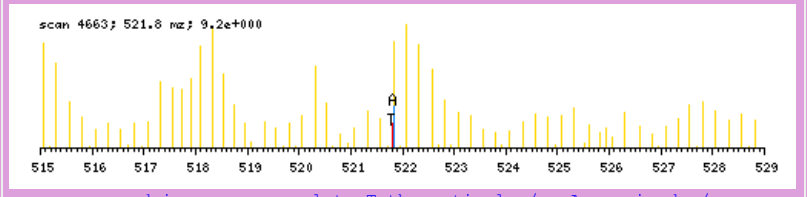
N-term:+29.04 K(15):+156.13

EEHPVLLTEAPLNPKANR, MH+ 2084.1504, m/z 521.7931
L OS G17 P120811 220811-s1.04665.04665.4.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±]



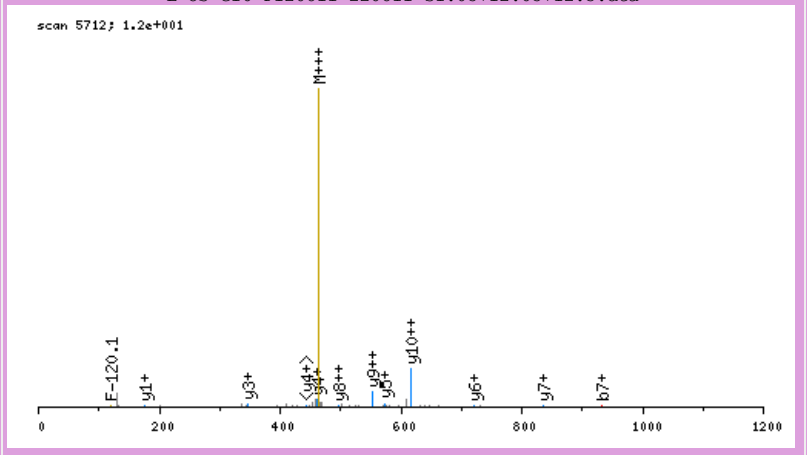
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
287.1243	2	E	17	1927.0766	964.0422
424.1832	3	H	16	1798.0340	899.5209
521.2360	4	P	15	1660.9751	830.9914
620.3044	5	V	14	1563.9223	782.4651
733.3884	6	L	13	1464.8539	**732.9308**
846.4725	7	L	12	1351.7698	**676.3888**
947.5202	8	T	11	1238.6857	**619.8468**
1076.5628	9	E	10	1137.6381	**569.3229**
1147.5999	10	A	9	1008.5955	**504.8017**
1244.6527	11	P	8	**937.5584**	**469.2831**
1357.7367	12	L	7	**840.5056**	**420.7567**
1471.7796	13	N	6	**727.4215**	364.2147
1568.8324	14	P	5	**613.3786**	307.1932
1724.9587	15	K	4	**516.3258**	258.6668
1795.9958	16	A	3	360.1995	180.6037
1910.0387	17	N	2	289.1624	145.0851
	18	R	1	175.1195	88.0637

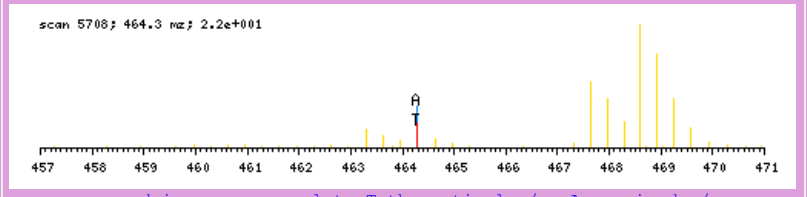
N-term:+29.04 K(15):+156.13

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

EEIKDFLLTAR, MH+ 1390.7946, m/z 464.2697
L OS G16 P120811 220811-s1.05712.05712.3.dta



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



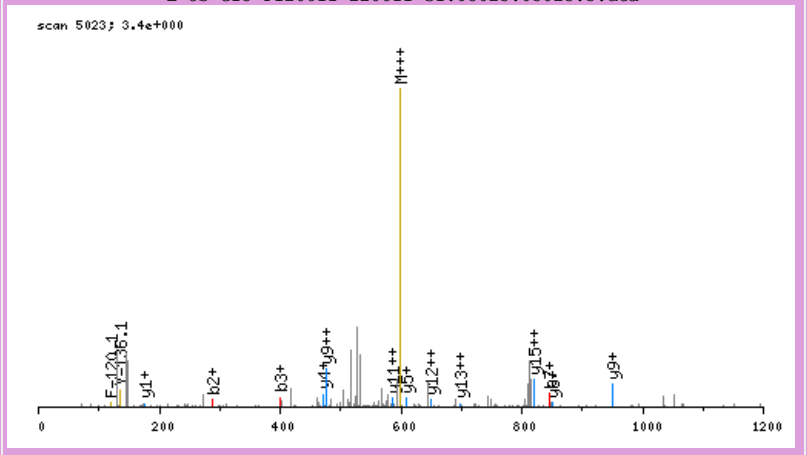
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

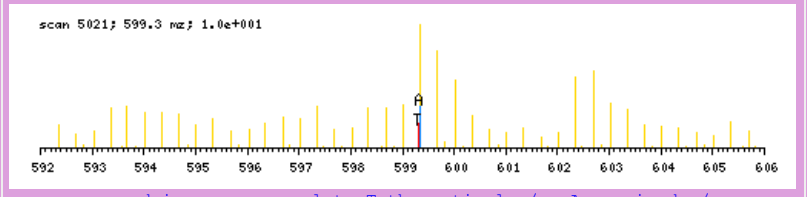
N-term:+29.04 K(4):+156.13

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

EEIVEGCTGALHILAR, MH+ 1795.9376, m/z 599.3174
L OS G15 P120811 220811-s1.05023.05023.3.dta



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



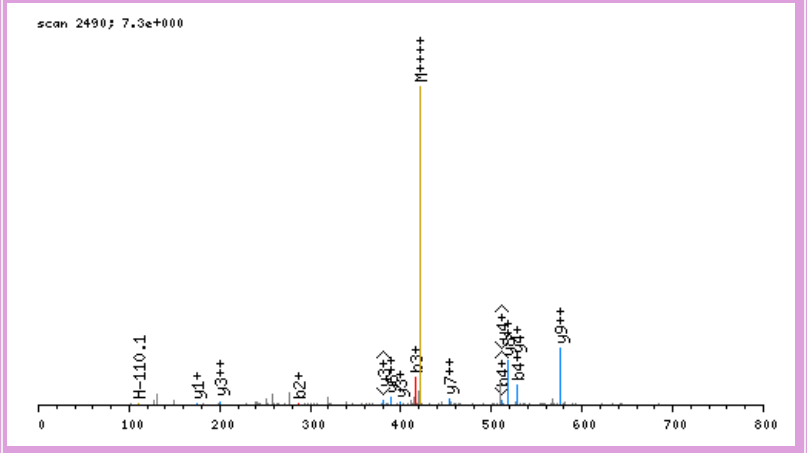
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
287.1243	2	E	15	1638.8637	**819.9358**
400.2084	3	I	14	1509.8211	755.4145
499.2768	4	V	13	1396.7370	**698.8724**
628.3194	5	E	12	1297.6686	**649.3382**
685.3408	6	G	11	1168.6260	**584.8169**
845.3714	7	C	10	1111.6046	556.3062
946.4191	8	T	9	**951.5740**	**476.2909**
1003.4406	9	G	8	**850.5263**	425.7671
1074.4777	10	A	7	793.5048	397.2563
1187.5617	11	L	6	722.4677	361.7378
1324.6207	12	H	5	**609.3837**	305.1957
1437.7047	13	I	4	**472.3247**	236.6663
1550.7888	14	L	3	359.2407	180.1243
1621.8259	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

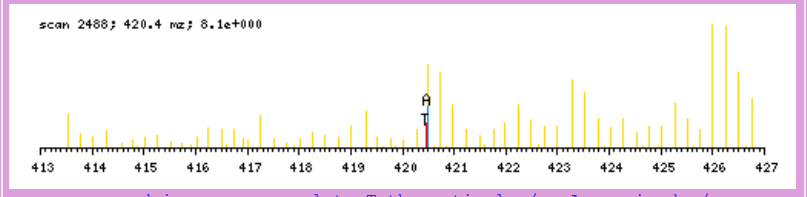
N-term:+29.04 C(7):+160.03

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

EEQLDEEHLESHR, MH+ 1678.7672, m/z 420.4473
L OS G17 P120811 220811-s1.02490.02490.4.dta



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



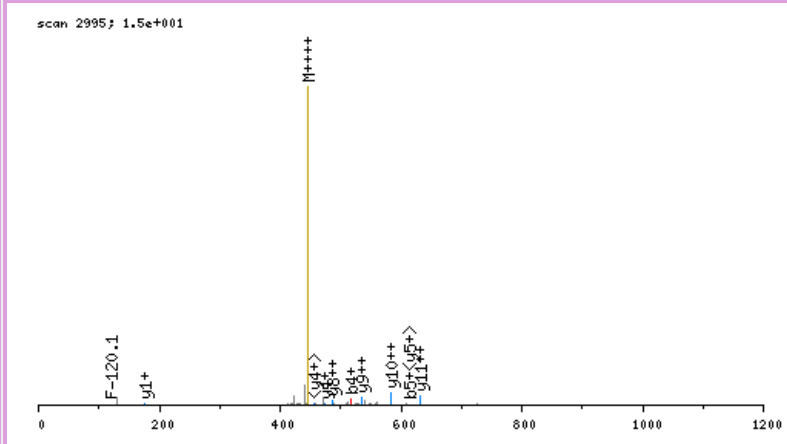
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
287.1243	2	E	12	1521.6934	761.3506
415.1829	3	Q	11	1392.6508	696.8293
528.2669	4	L	10	1264.5922	632.8000
643.2939	5	D	9	1151.5081	**576.2580**
772.3365	6	E	8	1036.4812	**518.7445**
901.3791	7	E	7	907.4386	**454.2232**
1038.4380	8	H	6	778.3960	**389.7019**
1151.5220	9	L	5	641.3371	321.1725
1280.5646	10	E	4	**528.2530**	264.6304
1367.5967	11	S	3	**399.2104**	**200.1091**
1504.6556	12	H	2	312.1784	156.5931
	13	R	1	**175.1195**	88.0637

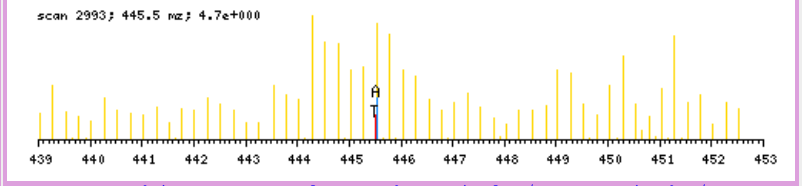
N-term:+29.04

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

EETQPPVALKKEGIR, MH+ 1779.0381, m/z 445.5150
L OS G17 P120811 220811-s1.02995.02995.4.dta



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



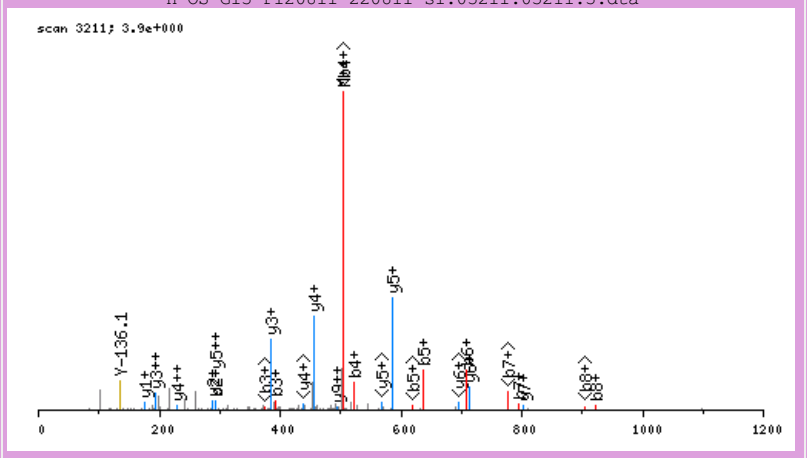
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
287.1243	2	E	14	1621.9642	811.4860
388.1720	3	T	13	1492.9216	746.9647
516.2305	4	Q	12	1391.8739	696.4409
613.2833	5	P	11	1263.8153	**632.4116**
710.3361	6	P	10	1166.7626	**583.8852**
809.4045	7	V	9	1069.7098	**535.3588**
880.4416	8	A	8	970.6414	**485.8246**
993.5257	9	L	7	899.6043	450.3061
1149.6520	10	K	6	786.5202	393.7640
1305.7783	11	K	5	630.3939	315.7009
1434.8209	12	E	4	**474.2676**	237.6377
1491.8423	13	G	3	345.2250	173.1164
1604.9264	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

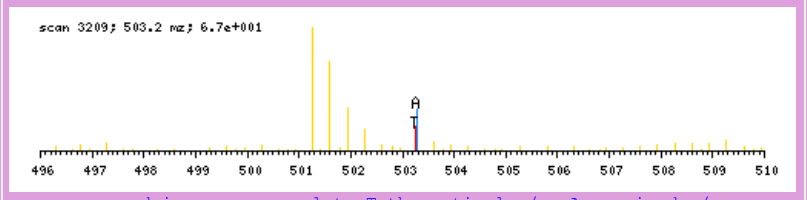
N-term:+29.04 K(10):+156.13
K(11):+156.13

EEVEDASEEAPLR, MH+ 1507.7340, m/z 503.2495
H_OS_G13_P120811_220811-s1.03211.03211.3.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±]



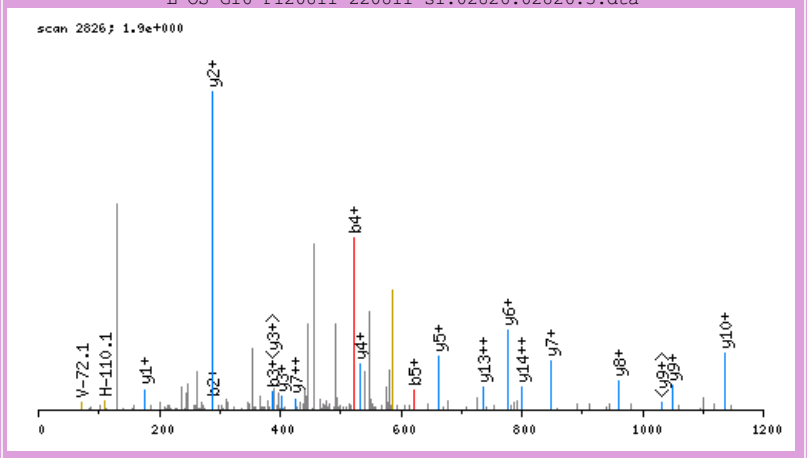
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	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

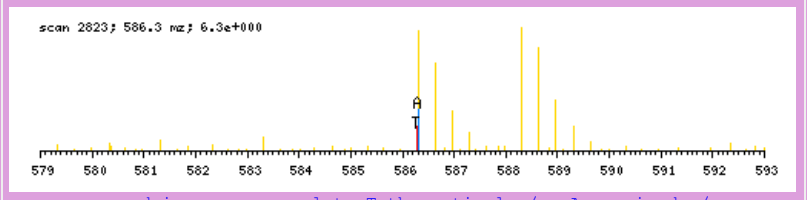
N-term:+35.07

EEVHVSSNADEEDIR, MH+ 1756.7989, m/z 586.2712
L OS G16 P120811 220811-s1.02826.02826.3.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±]



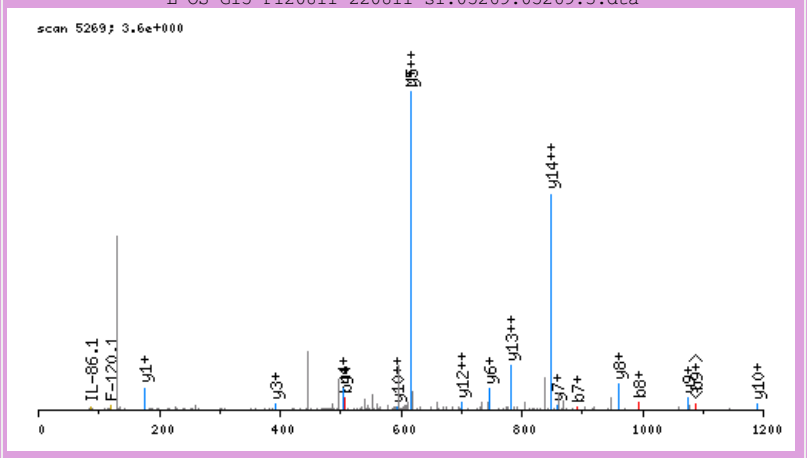
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
287.1243	2	E	14	1599.7251	800.3664
386.1927	3	V	13	1470.6825	735.8452
523.2516	4	H	12	1371.6141	686.3109
622.3200	5	V	11	1234.5551	617.7815
709.3521	6	S	10	1135.4867	568.2473
796.3841	7	S	9	1048.4547	524.7313
910.4270	8	N	8	961.4227	481.2153
981.4641	9	A	7	847.3798	424.1938
1096.4911	10	D	6	776.3426	388.6752
1225.5337	11	E	5	661.3157	331.1618
1354.5763	12	E	4	532.2731	266.6405
1469.6032	13	D	3	403.2305	202.1192
1582.6873	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

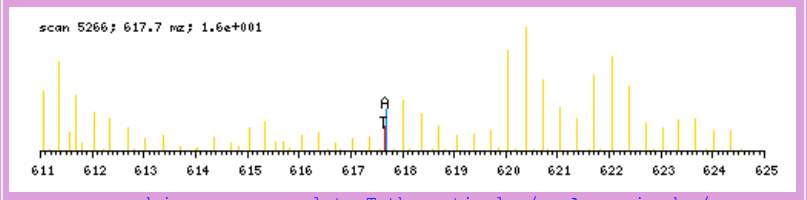
N-term:+29.04

EEYGKIDTIEIITDR, MH+ 1850.9751, m/z 617.6632
L OS G15 P120811 220811-s1.05269.05269.3.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±]



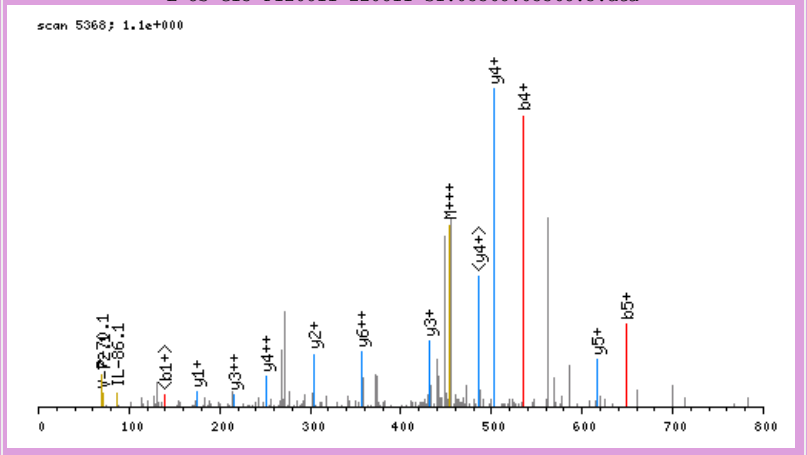
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
287.1243	2	E	14	1693.9013	**847.4546**
450.1876	3	Y	13	1564.8587	**782.9333**
507.2091	4	G	12	1401.7954	**701.4016**
663.3354	5	K	11	1344.7739	672.8909
776.4194	6	I	10	**1188.6476**	**594.8277**
891.4464	7	D	9	**1075.5635**	538.2857
992.4941	8	T	8	**960.5366**	480.7722
1105.5781	9	I	7	**859.4889**	430.2484
1234.6207	10	E	6	**746.4048**	373.7063
1347.7048	11	I	5	**617.3623**	309.1850
1460.7888	12	I	4	**504.2782**	252.6430
1561.8365	13	T	3	**391.1941**	196.1010
1676.8635	14	D	2	290.1464	145.5771
	15	R	1	**175.1195**	88.0637

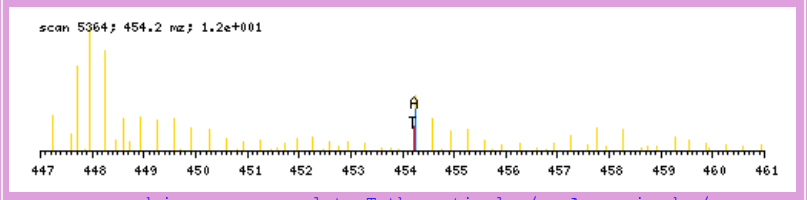
N-term:+29.04 K(5):+156.13

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

EFDDLPLAEQR, MH+ 1360.6748, m/z 454.2298
L OS G13 P120811 220811-s1.05368.05368.3.dta



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



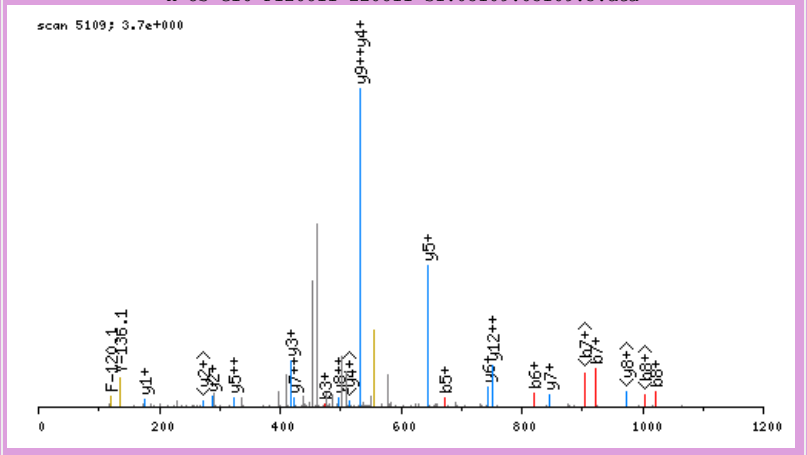
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
305.1501	2	F	10	1203.6010	602.3044
420.1771	3	D	9	1056.5326	528.7702
535.2040	4	D	8	941.5056	471.2567
648.2881	5	L	7	826.4787	413.7433
745.3408	6	P	6	713.3946	**357.2012**
858.4249	7	L	5	**616.3418**	308.6748
929.4620	8	A	4	**503.2578**	**252.1328**
1058.5046	9	E	3	**432.2207**	**216.6142**
1186.5632	10	Q	2	**303.1781**	152.0930
	11	R	1	**175.1195**	88.0637

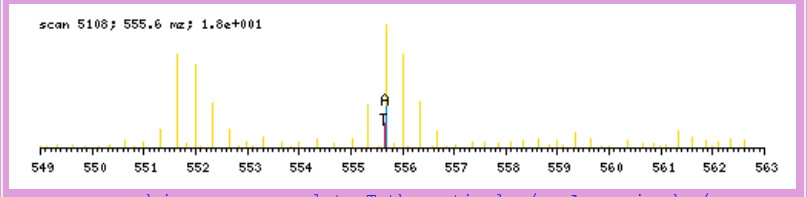
N-term:+29.04

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

EFKEAFTVIDQNR, MH+ 1664.9284, m/z 555.6477
H OS G16 P120811 220811-s1.05109.05109.3.dta



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



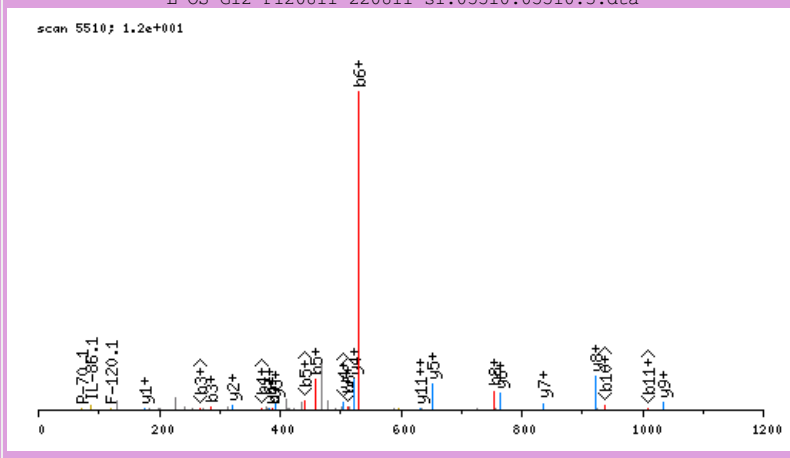
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

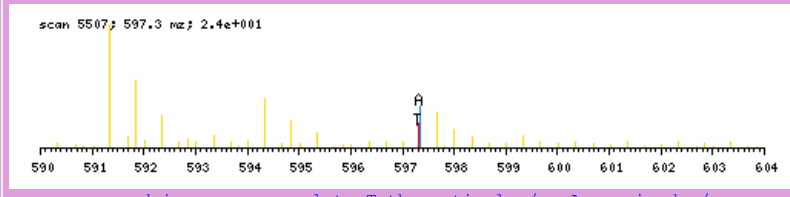
N-term:+35.07 K(3):+162.16

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 597.3039
L OS G12 P120811 220811-s1.05510.05510.3.dta



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



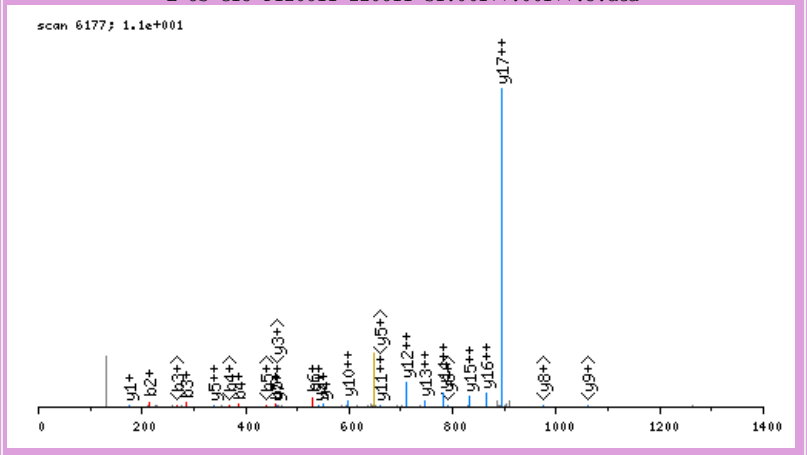
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

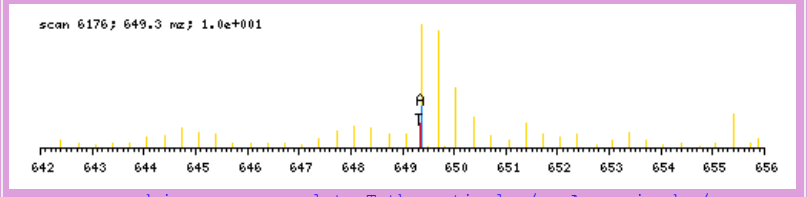
N-term:+29.04

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

EGATAAPELSALEEAFRR, MH+ 1945.9983, m/z 649.3376
L OS G15 P120811 220811-s1.06177.06177.3.dta



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



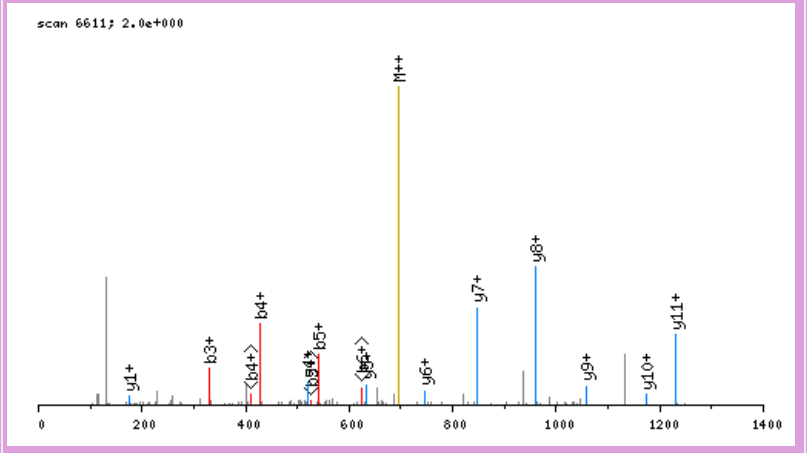
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
215.1032	2	G	17	1788.9244	894.9661
286.1403	3	A	16	1731.9030	866.4554
387.1879	4	T	15	1660.8659	830.9368
458.2251	5	A	14	1559.8182	780.4130
529.2622	6	A	13	1488.7811	744.8944
626.3149	7	P	12	1417.7440	709.3759
755.3575	8	E	11	1320.6912	660.8495
868.4416	9	L	10	1191.6486	596.3282
955.4736	10	S	9	1078.5645	539.7862
1026.5107	11	A	8	991.5325	496.2702
1139.5948	12	L	7	920.4954	460.7516
1268.6374	13	E	6	807.4113	404.2096
1397.6800	14	E	5	678.3687	339.6883
1468.7171	15	A	4	549.3261	275.1670
1615.7855	16	F	3	478.2890	239.6484
1771.8866	17	R	2	331.2206	166.1142
	18	R	1	175.1195	88.0637

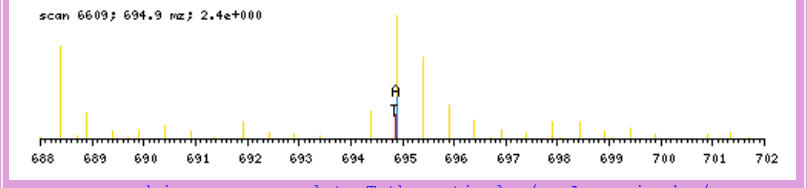
N-term:+29.04

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

EGDVLTLLESER, MH+ 1388.7273, m/z 694.8673
L OS G13 P120811 220811-s1.06611.06611.2.dta



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



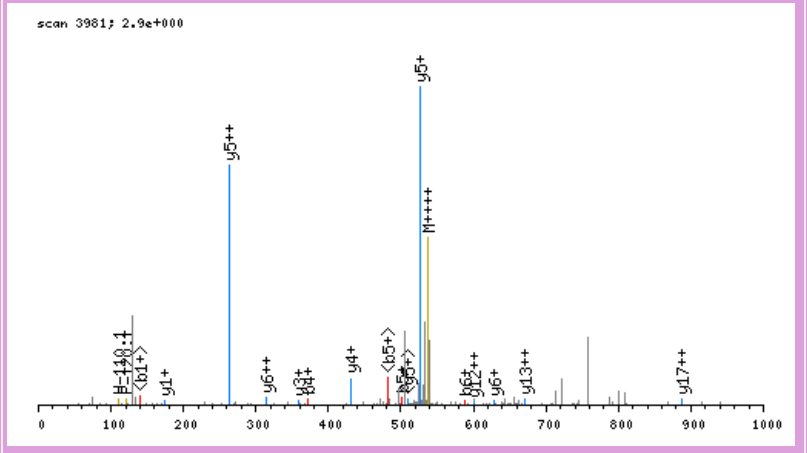
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

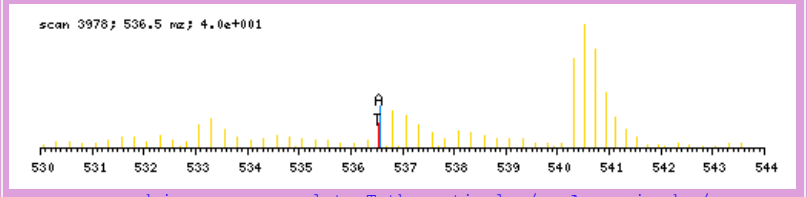
N-term:+29.04

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

EGGVESAFHKTTSGATPAAIR, MH+ 2143.1148, m/z 536.5341
L OS G17 P120811 220811-s1.03981.03981.4.dta



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

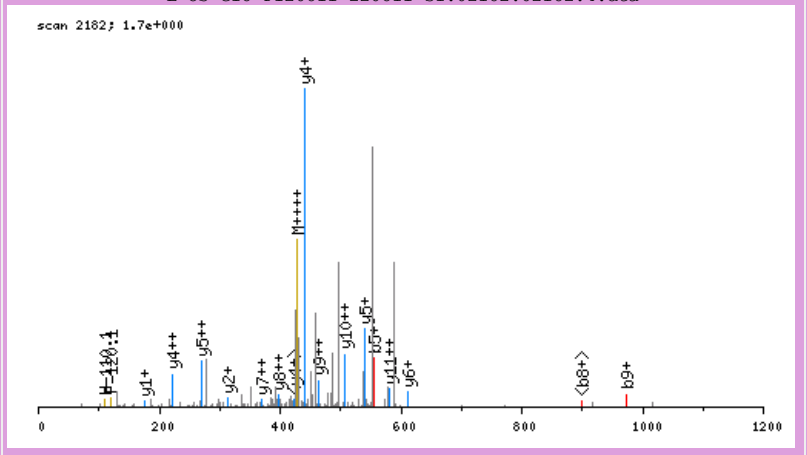


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

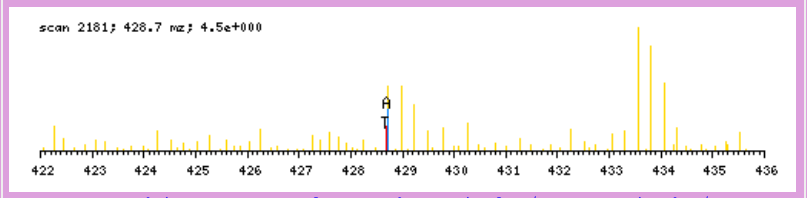
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	21		
215.1032	2	G	20	1986.0409	993.5244
272.1246	3	G	19	1929.0194	965.0136
371.1930	4	V	18	1871.9980	936.5029
500.2356	5	E	17	1772.9296	**886.9687**
587.2677	6	S	16	1643.8870	822.4474
658.3048	7	A	15	1556.8549	778.9314
805.3732	8	F	14	1485.8178	743.4128
942.4321	9	H	13	1338.7494	**669.8786**
1098.5584	10	K	12	1201.6905	**601.3492**
1199.6061	11	T	11	1045.5642	523.2860
1300.6538	12	T	10	944.5165	472.7622
1387.6858	13	S	9	843.4688	422.2383
1444.7072	14	G	8	756.4368	378.7223
1515.7444	15	A	7	699.4153	350.2116
1616.7920	16	T	6	**628.3782**	**314.6930**
1713.8448	17	P	5	**527.3306**	**264.1692**
1784.8819	18	A	4	**430.2778**	215.6428
1855.9190	19	A	3	**359.2407**	180.1243
1969.0031	20	I	2	288.2036	144.6057
	21	R	1	**175.1195**	88.0637

N-term:+29.04 K(10):+156.13

EGHSDFSEGQAVGAHR, MH+ 1711.7788, m/z 428.7002
L OS G18 P120811 220811-s1.02182.02182.4.dta



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



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

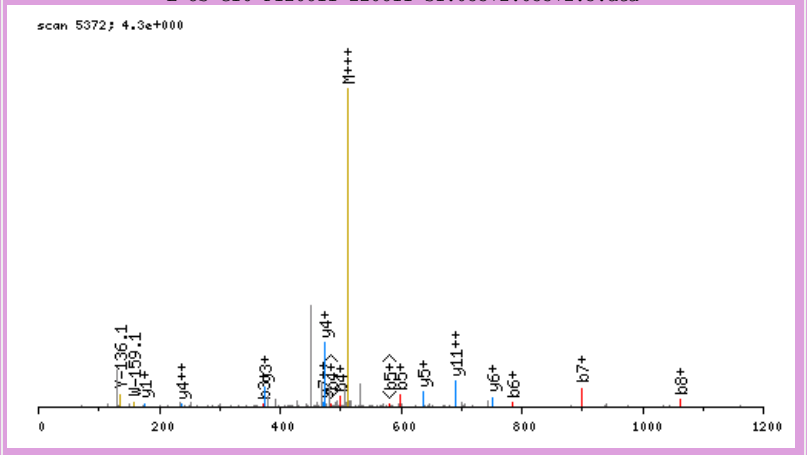
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
215.1032	2	G	15	1554.7049	777.8564
352.1621	3	H	14	1497.6835	749.3457
439.1941	4	S	13	1360.6246	680.8162
554.2210	5	D	12	1273.5925	637.3002
701.2895	6	F	11	1158.5656	**579.7867**
788.3215	7	S	10	1011.4972	**506.2525**
917.3641	8	E	9	924.4652	**462.7365**
974.3855	9	G	8	795.4226	**398.2152**
1102.4441	10	Q	7	738.4011	**369.7045**
1173.4812	11	A	6	**610.3425**	305.6752
1272.5496	12	V	5	**539.3054**	**270.1566**
1329.5711	13	G	4	**440.2370**	**220.6224**
1400.6082	14	A	3	383.2155	192.1117
1537.6671	15	H	2	**312.1784**	156.5931
	16	R	1	**175.1195**	88.0637

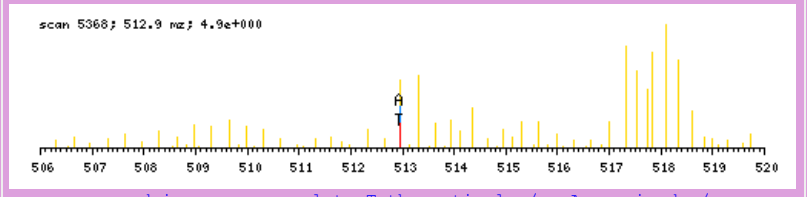
N-term:+29.04

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

EGKEVWDYVTVR, MH+ 1536.8062, m/z 512.9403
L OS G16 P120811 220811-s1.05372.05372.3.dta



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



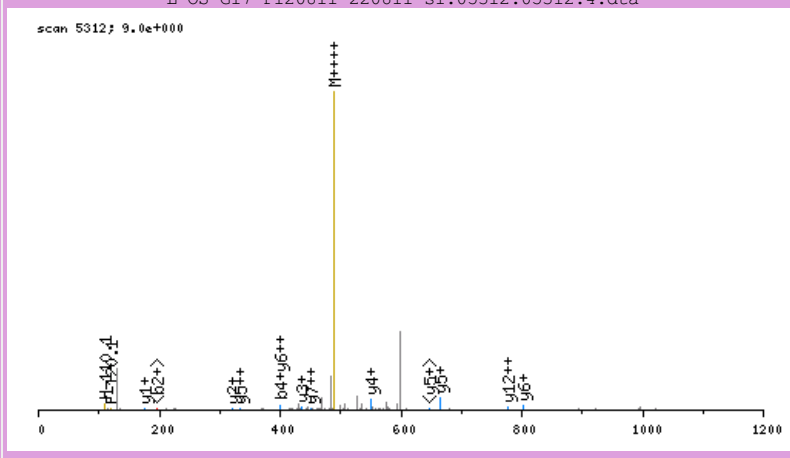
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
215.1032	2	G	11	1379.7324	**690.3701**
371.2295	3	K	10	1322.7109	661.8594
500.2721	4	E	9	1166.5846	583.7962
599.3405	5	V	8	1037.5420	519.2749
785.4198	6	W	7	938.4736	**469.7407**
900.4467	7	D	6	**752.3943**	376.7011
1063.5100	8	Y	5	**637.3673**	319.1876
1162.5785	9	V	4	**474.3040**	**237.6559**
1263.6261	10	T	3	**375.2356**	188.1217
1362.6946	11	V	2	274.1879	137.5979
	12	R	1	**175.1195**	88.0637

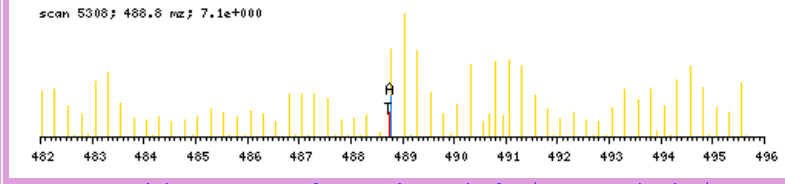
N-term:+29.04 K(3):+156.13

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

EGSVANKFYVHNDIFR, MH+ 1952.0030, m/z 488.7562
L OS G17 P120811 220811-s1.05312.05312.4.dta



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



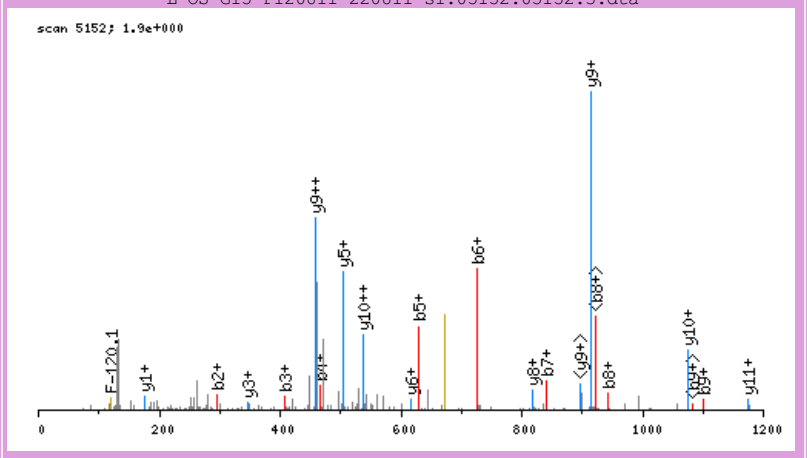
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
215.1032	2	G	15	1794.9292	897.9685
302.1352	3	S	14	1737.9077	869.4578
401.2036	4	V	13	1650.8757	825.9417
472.2407	5	A	12	1551.8073	**776.4075**
586.2836	6	N	11	1480.7701	740.8890
742.4099	7	K	10	1366.7272	683.8675
889.4784	8	F	9	1210.6009	605.8044
1052.5417	9	Y	8	1063.5325	532.2702
1151.6101	10	V	7	900.4692	**450.7385**
1288.6690	11	H	6	**801.4008**	**401.2043**
1402.7119	12	N	5	**664.3418**	**332.6748**
1517.7389	13	D	4	**550.2989**	275.6534
1630.8229	14	I	3	**435.2720**	218.1399
1777.8914	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

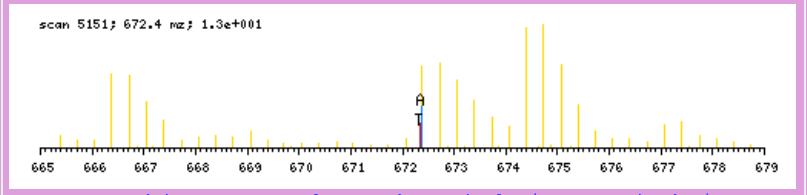
N-term:+29.04 K(7):+156.13

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

EHLGYVLTCPSNLGTGLR, MH+ 2015.0383, m/z 672.3510
L OS G15 P120811 220811-s1.05152.05152.3.dta



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



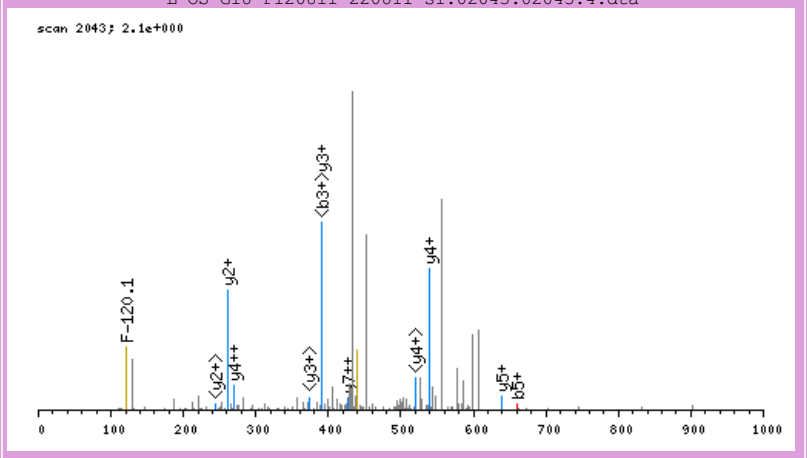
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	18		
295.1406	2	H	17	1857.9645	929.4862
408.2247	3	L	16	1720.9056	860.9567
465.2461	4	G	15	1607.8215	804.4147
628.3095	5	Y	14	1550.8000	775.9039
727.3779	6	V	13	1387.7367	694.3723
840.4619	7	L	12	1288.6683	644.8381
941.5096	8	T	11	1175.5842	588.2960
1101.5402	9	C	10	1074.5366	537.7722
1198.5930	10	P	9	914.5060	457.7569
1285.6250	11	S	8	817.4532	409.2305
1399.6679	12	N	7	730.4212	365.7145
1512.7520	13	L	6	616.3782	308.6930
1569.7735	14	G	5	503.2942	252.1510
1670.8211	15	T	4	446.2727	223.6403
1727.8426	16	G	3	345.2250	173.1164
1840.9267	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

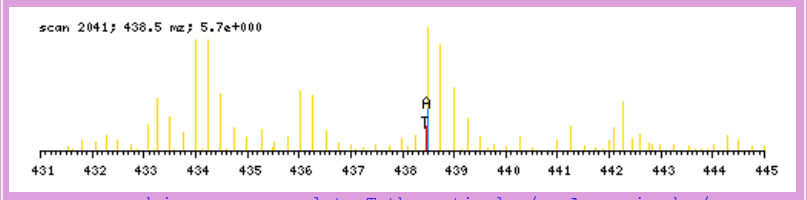
N-term:+29.04 C(9):+160.03

EHLNHQNPNTFESR, MH+ 1750.8261, m/z 438.4620
L OS G18 P120811 220811-s1.02043.02043.4.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±]



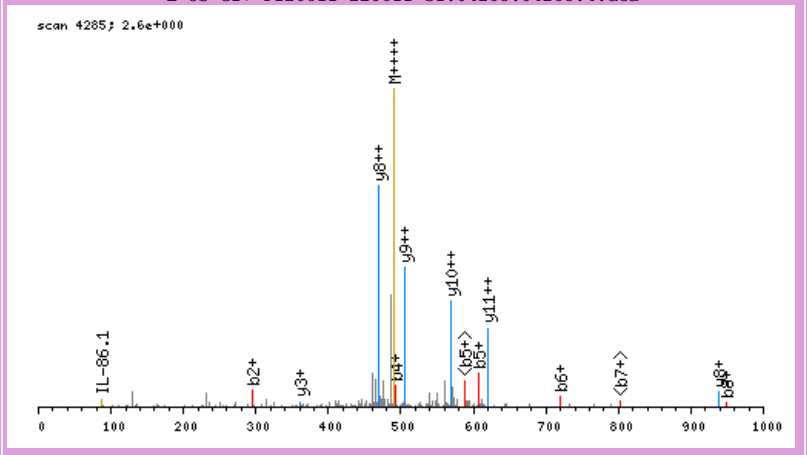
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
295.1406	2	H	13	1593.7522	797.3800
408.2247	3	L	12	1456.6933	728.8506
522.2676	4	N	11	1343.6093	672.3085
659.3265	5	H	10	1229.5663	615.2871
787.3851	6	Q	9	1092.5074	546.7576
901.4280	7	N	8	964.4488	482.7283
998.4808	8	P	7	850.4059	**425.7069**
1112.5237	9	N	6	753.3531	377.1805
1213.5714	10	T	5	**639.3102**	320.1590
1360.6398	11	F	4	**538.2625**	**269.6352**
1489.6824	12	E	3	**391.1941**	196.1010
1576.7144	13	S	2	**262.1515**	131.5797
	14	R	1	175.1195	88.0637

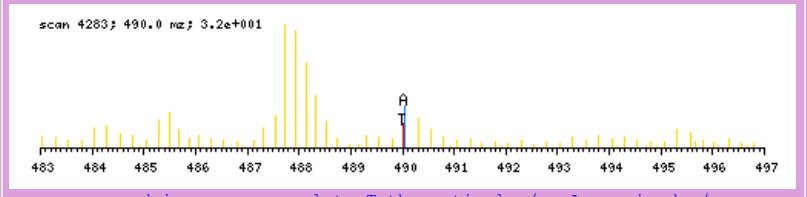
N-term:+29.04

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

EHPTLLTEAPLNPKANR, MH+ 1957.0871, m/z 490.0272
L OS G17 P120811 220811-s1.04285.04285.4.dta



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

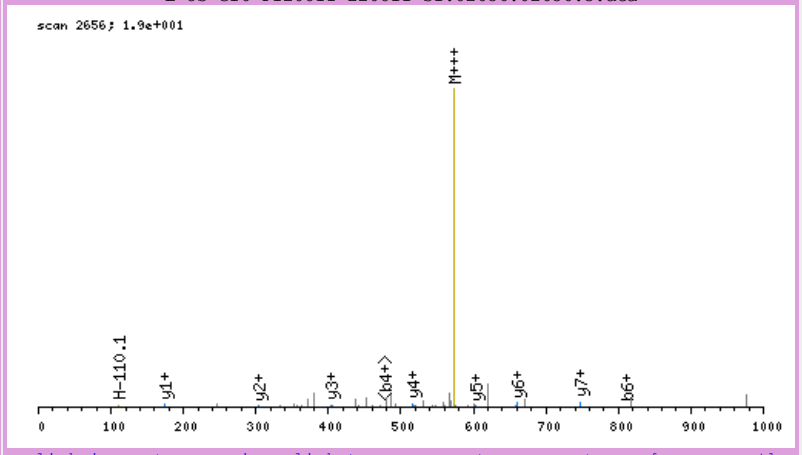


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

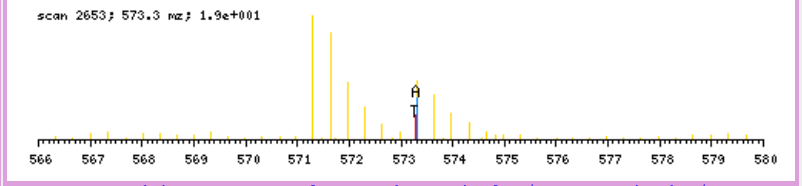
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	17		
295.1406	2	H	16	1800.0132	900.5105
392.1934	3	P	15	1662.9543	831.9811
493.2410	4	T	14	1565.9016	783.4547
606.3251	5	L	13	1464.8539	732.9308
719.4092	6	L	12	1351.7698	676.3888
820.4569	7	T	11	1238.6857	**619.8468**
949.4994	8	E	10	1137.6381	**569.3229**
1020.5366	9	A	9	1008.5955	**504.8017**
1117.5893	10	P	8	**937.5584**	**469.2831**
1230.6734	11	L	7	840.5056	420.7567
1344.7163	12	N	6	727.4215	364.2147
1441.7691	13	P	5	613.3786	307.1932
1597.8954	14	K	4	516.3258	258.6668
1668.9325	15	A	3	**360.1995**	180.6037
1782.9754	16	N	2	289.1624	145.0851
	17	R	1	175.1195	88.0637

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

EHVTKCCSGSLVER, MH+ 1717.8365, m/z 573.2837
L OS G16 P120811 220811-s1.02656.02656.3.dta



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



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

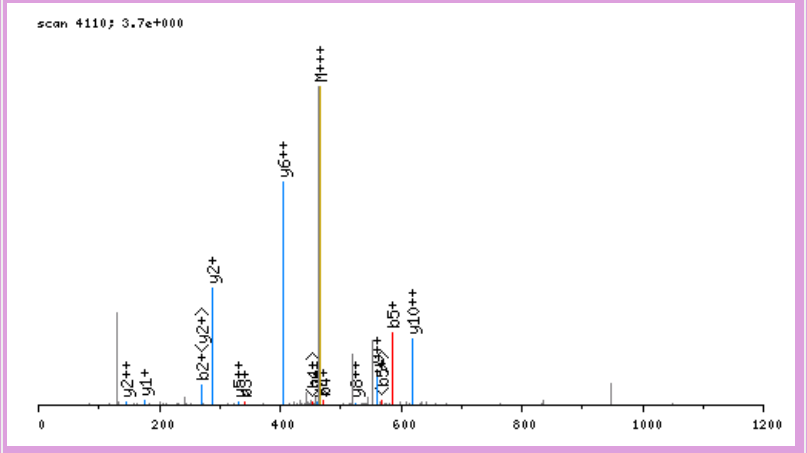
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
295.1406	2	H	13	1560.7626	780.8852
394.2090	3	V	12	1423.7037	712.3558
495.2567	4	T	11	1324.6353	662.8215
651.3830	5	K	10	1223.5876	612.2977
811.4136	6	C	9	1067.4613	534.2346
971.4442	7	C	8	907.4307	454.2193
1058.4762	8	S	7	**747.4001**	374.2040
1115.4977	9	G	6	**660.3681**	330.6879
1202.5297	10	S	5	**603.3466**	302.1772
1315.6138	11	L	4	**516.3146**	258.6612
1414.6822	12	V	3	**403.2305**	202.1192
1543.7248	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

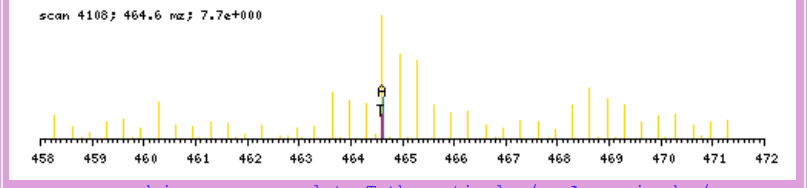
N-term:+29.04 K(5):+156.13
C(6):+160.03 C(7):+160.03

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

EIAQDFKTDLR, MH+ 1391.7535, m/z 464.5893
L OS G16 P120811 220811-s1.04110.04110.3.dta



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



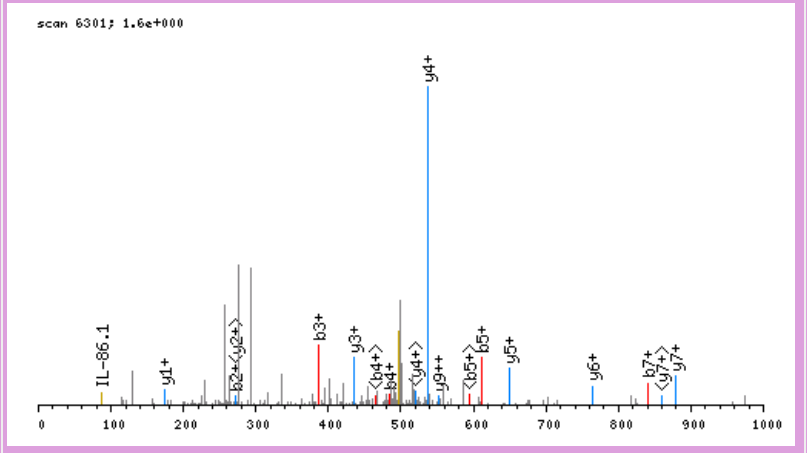
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
271.1658	2	I	10	1234.6796	617.8437
342.2029	3	A	9	1121.5955	561.3017
470.2614	4	Q	8	1050.5584	525.7831
585.2884	5	D	7	922.4998	461.7538
732.3568	6	F	6	807.4729	404.2404
888.4831	7	K	5	660.4045	330.7062
989.5308	8	T	4	504.2782	252.6430
1104.5577	9	D	3	403.2305	202.1192
1217.6418	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

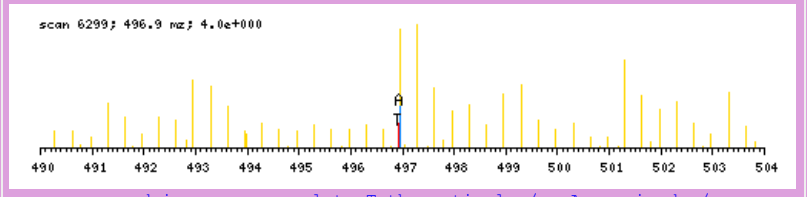
N-term:+29.04 K(7):+156.13

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

EIDPQNDLTFLR, MH+ 1488.7698, m/z 496.9281
L OS G13 P120811 220811-s1.06301.06301.3.dta



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



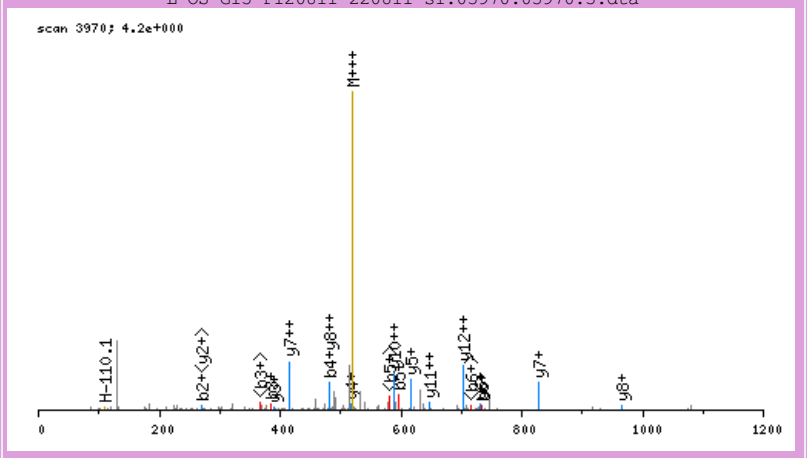
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
271.1658	2	I	11	1331.6959	666.3519
386.1927	3	D	10	1218.6119	609.8099
483.2455	4	P	9	1103.5849	**552.2964**
611.3040	5	Q	8	1006.5322	503.7700
725.3470	6	N	7	**878.4736**	439.7407
840.3739	7	D	6	**764.4307**	382.7192
953.4580	8	L	5	**649.4037**	325.2058
1054.5057	9	T	4	**536.3197**	268.6637
1201.5741	10	F	3	**435.2720**	218.1399
1314.6581	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

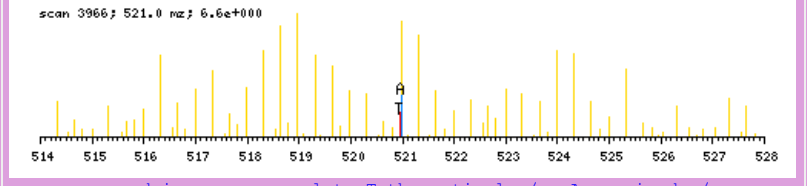
N-term:+29.04

EINPDHPIVETLR, MH+ 1560.8386, m/z 520.9510
L OS G15 P120811 220811-s1.03970.03970.3.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±]



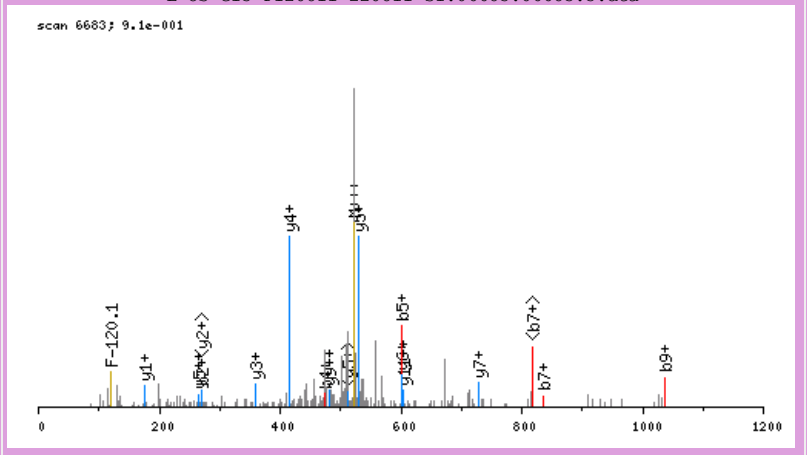
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
271.1658	2	I	12	1403.7647	**702.3863**
385.2087	3	N	11	1290.6806	**645.8442**
482.2614	4	P	10	1176.6377	**588.8228**
597.2884	5	D	9	1079.5849	540.2964
734.3473	6	H	8	**964.5580**	**482.7829**
831.4001	7	P	7	**827.4991**	**414.2535**
944.4841	8	I	6	**730.4463**	365.7271
1043.5525	9	V	5	**617.3623**	309.1850
1172.5951	10	E	4	**518.2938**	259.6508
1273.6428	11	T	3	**389.2512**	195.1295
1386.7269	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

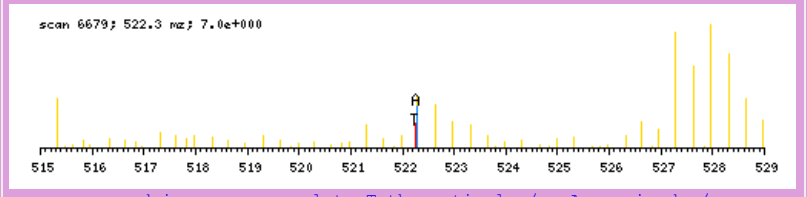
N-term:+29.04

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

EISDEFSEAIGALR, MH+ 1564.7859, m/z 522.2668
L OS G13 P120811 220811-s1.06683.06683.3.dta



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



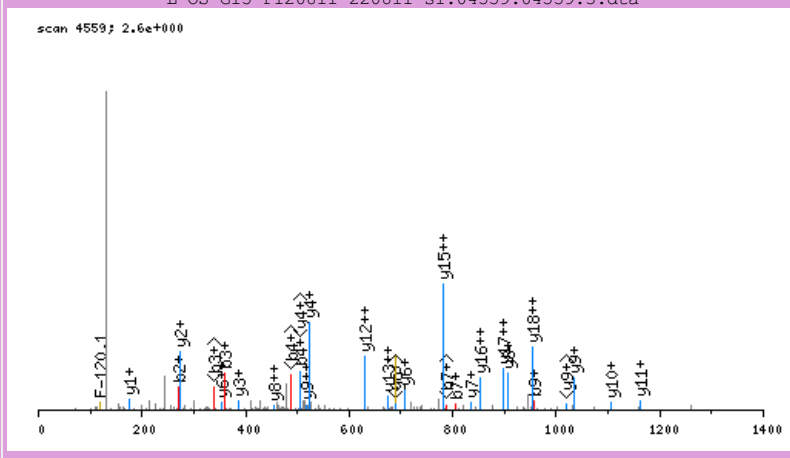
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
271.1658	2	I	13	1407.7120	704.3599
358.1978	3	S	12	1294.6279	647.8179
473.2247	4	D	11	1207.5959	**604.3019**
602.2673	5	E	10	1092.5689	546.7884
749.3357	6	F	9	963.5264	**482.2671**
836.3678	7	S	8	816.4579	408.7329
965.4104	8	E	7	**729.4259**	365.2169
1036.4475	9	A	6	**600.3833**	300.6956
1149.5315	10	I	5	**529.3462**	**265.1770**
1206.5530	11	G	4	**416.2621**	208.6350
1277.5901	12	A	3	**359.2407**	180.1243
1390.6742	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

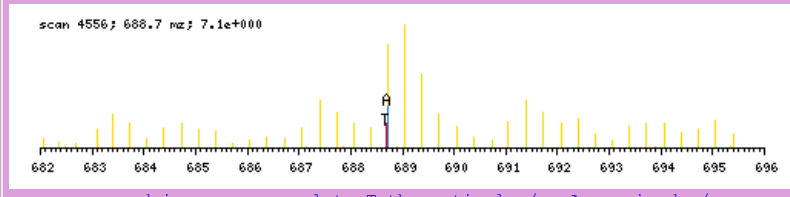
N-term:+29.04

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

EISFPDSPGAQAQADHLPR, MH+ 2064.0150, m/z 688.6765
L OS G15 P120811 220811-s1.04559.04559.3.dta



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



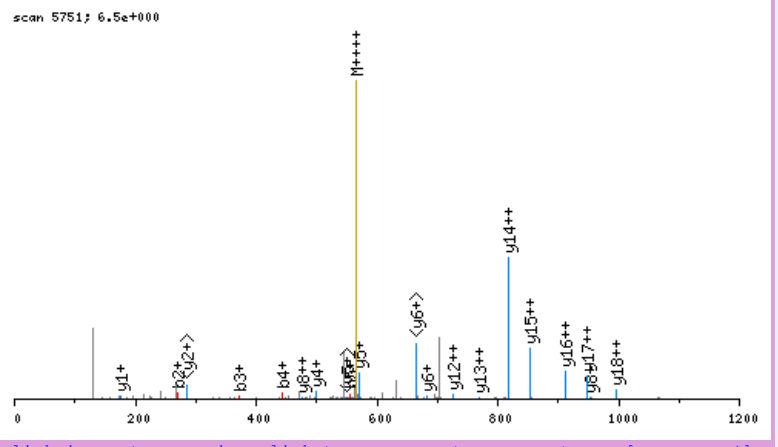
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	19		
271.1658	2	I	18	1906.9411	953.9745
358.1978	3	S	17	1793.8571	897.4325
505.2662	4	F	16	1706.8251	853.9164
602.3190	5	P	15	1559.7566	780.3822
717.3459	6	D	14	1462.7039	731.8559
804.3779	7	S	13	1347.6769	674.3424
901.4307	8	P	12	1260.6449	630.8264
958.4522	9	G	11	1163.5921	582.3000
1029.4893	10	A	10	1106.5707	553.7893
1157.5479	11	Q	9	1035.5336	518.2707
1228.5850	12	A	8	907.4750	454.2414
1356.6435	13	Q	7	836.4379	418.7228
1427.6807	14	A	6	708.3793	354.6936
1542.7076	15	D	5	637.3422	319.1750
1679.7665	16	H	4	522.3152	261.6615
1792.8506	17	L	3	385.2563	193.1321
1889.9033	18	P	2	272.1723	136.5900
	19	R	1	175.1195	88.0637

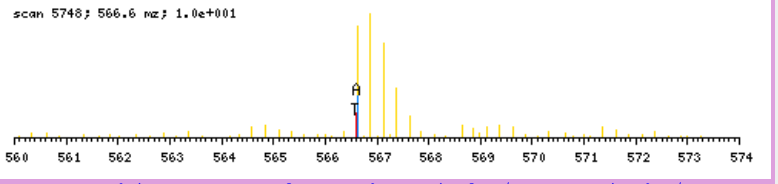
N-term:+29.04

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

EITALAPSTMKIKIIAPPER, MH+ 2263.3464, m/z 566.5921
L OS G16 P120811 220811-s1.05751.05751.4.dta



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



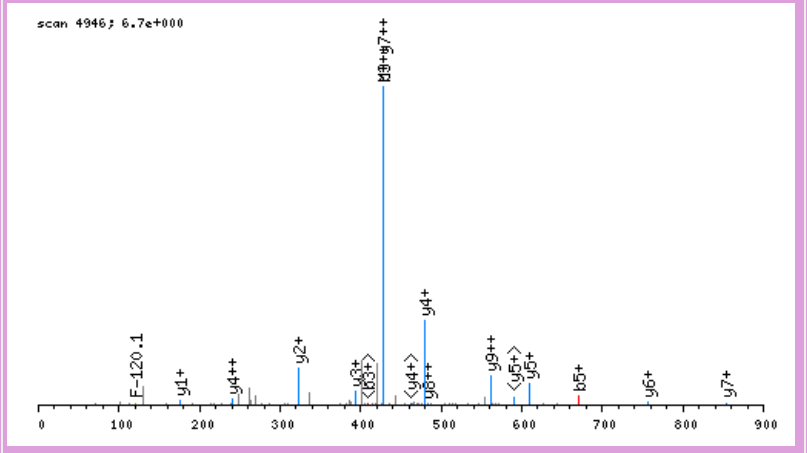
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
271.1658	2	I	19	2106.2725	1053.6402
372.2134	3	T	18	1993.1885	**997.0981**
443.2505	4	A	17	1892.1408	**946.5743**
556.3346	5	L	16	1821.1037	**911.0557**
627.3717	6	A	15	1708.0196	**854.5137**
724.4245	7	P	14	1636.9825	**818.9952**
811.4565	8	S	13	1539.9297	**770.4688**
912.5042	9	T	12	1452.8977	**726.9528**
1043.5447	10	M	11	1351.8500	676.4289
1199.6710	11	K	10	1220.8095	610.9087
1312.7550	12	I	9	1064.6832	532.8455
1468.8813	13	K	8	**951.5992**	**476.3035**
1581.9654	14	I	7	795.4729	398.2403
1695.0495	15	I	6	**682.3888**	341.6983
1766.0866	16	A	5	**569.3047**	285.1563
1863.1394	17	P	4	**498.2676**	249.6377
1960.1921	18	P	3	401.2149	201.1113
2089.2347	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

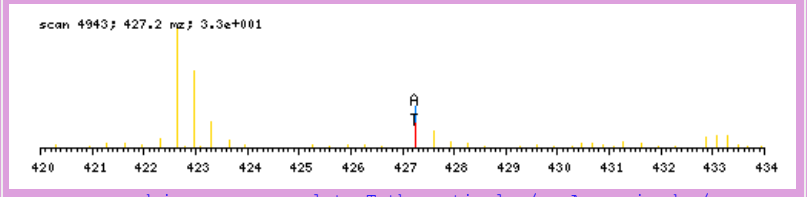
N-term:+29.04 K(11):+156.13
K(13):+156.13

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

EKIPFESAFR, MH+ 1279.7051, m/z 427.2399
L OS G16 P120811 220811-s1.04946.04946.3.dta



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



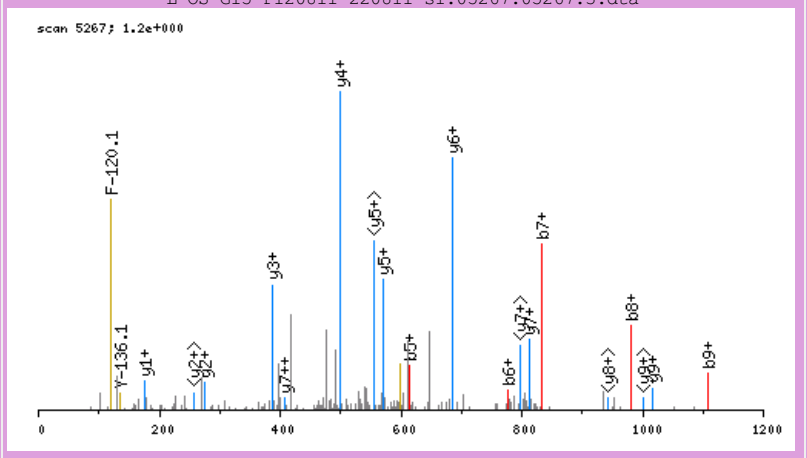
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	10		
314.2080	2	K	9	1122.6312	561.8195
427.2921	3	I	8	966.5049	483.7564
524.3448	4	P	7	853.4208	427.2143
671.4132	5	F	6	756.3681	378.6879
800.4558	6	E	5	609.2997	305.1537
887.4879	7	S	4	480.2571	240.6324
958.5250	8	A	3	393.2250	197.1164
1105.5934	9	F	2	322.1879	161.5979
	10	R	1	175.1195	88.0637

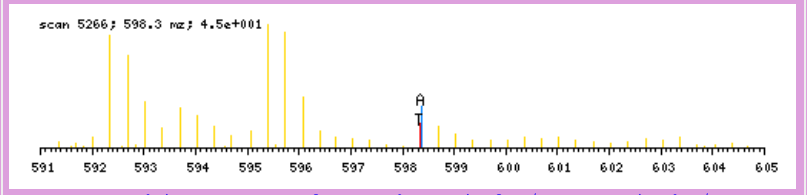
N-term:+29.04 K(2):+156.13

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

EKLGEYGFQNAILVR, MH+ 1792.9962, m/z 598.3369
L OS G15 P120811 220811-s1.05267.05267.3.dta



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



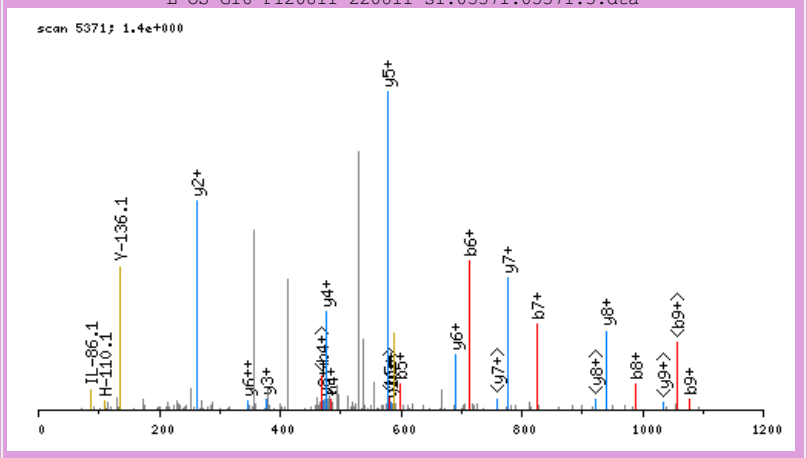
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

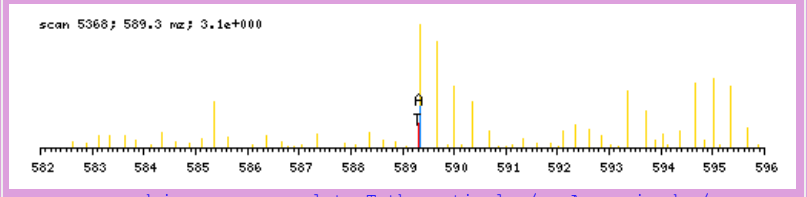
N-term:+29.04 K(2):+156.13

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

EKNGIDIYSLTVDSR, MH+ 1765.9336, m/z 589.3161
L OS G16 P120811 220811-s1.05371.05371.3.dta



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



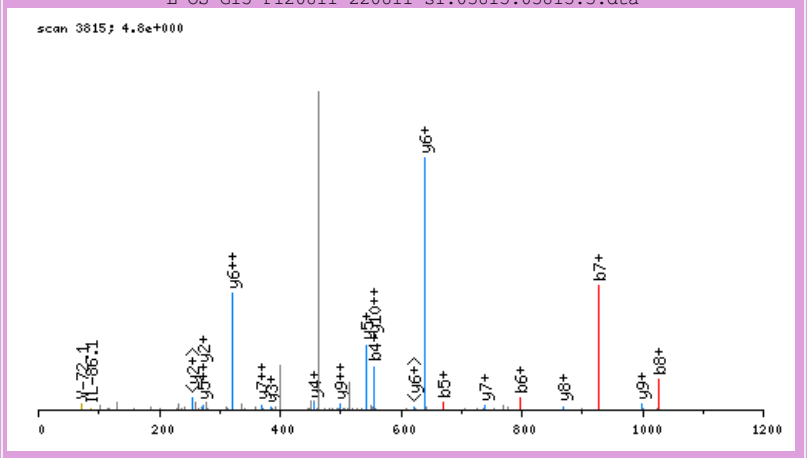
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
314.2080	2	K	14	1608.8597	804.9338
428.2509	3	N	13	1452.7334	726.8706
485.2724	4	G	12	1338.6905	669.8492
598.3564	5	I	11	1281.6691	641.3384
713.3834	6	D	10	1168.5850	**584.7964**
826.4675	7	I	9	1053.5580	527.2829
989.5308	8	Y	8	**940.4740**	**470.7409**
1076.5628	9	S	7	**777.4107**	389.2092
1189.6469	10	L	6	**690.3786**	**345.6932**
1290.6946	11	T	5	**577.2946**	289.1512
1389.7630	12	V	4	**476.2469**	238.6274
1504.7899	13	D	3	**377.1785**	189.0931
1591.8219	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

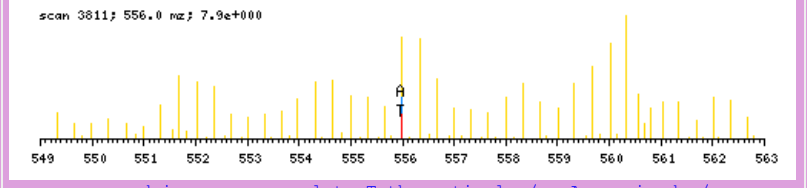
N-term:+29.04 K(2):+156.13

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

EKNQLEEVPSALPR, MH+ 1665.9176, m/z 555.9774
L OS G15 P120811 220811-s1.03815.03815.3.dta



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



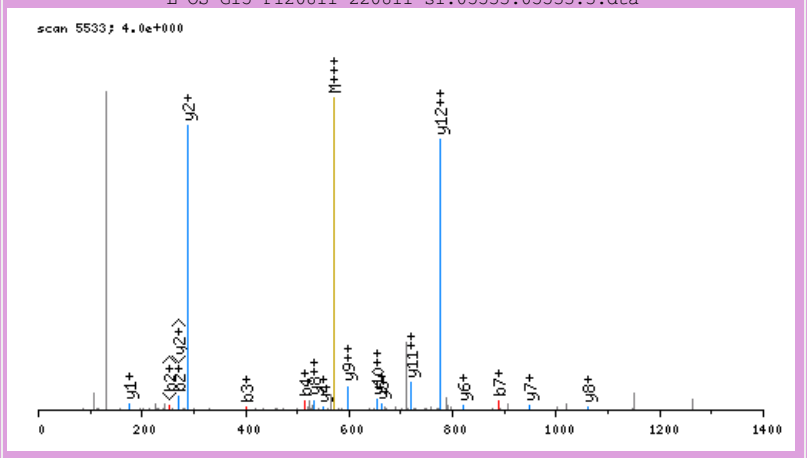
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
314.2080	2	K	13	1508.8437	754.9258
428.2509	3	N	12	1352.7174	676.8626
556.3095	4	Q	11	1238.6745	619.8412
669.3936	5	L	10	1110.6159	**555.8119**
798.4362	6	E	9	**997.5318**	**499.2698**
927.4787	7	E	8	**868.4892**	434.7485
1026.5472	8	V	7	**739.4466**	**370.2272**
1123.5999	9	P	6	**640.3782**	**320.6930**
1210.6320	10	S	5	**543.3255**	**272.1666**
1281.6691	11	A	4	**456.2934**	228.6506
1394.7531	12	L	3	**385.2563**	193.1321
1491.8059	13	P	2	**272.1723**	136.5900
	14	R	1	175.1195	88.0637

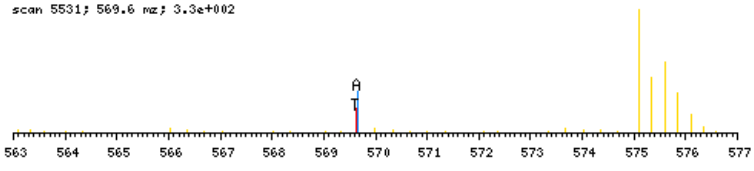
N-term:+29.04 K(2):+156.13

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

ELEDMNQKLFDLR, MH+ 1706.8787, m/z 569.6311
L OS G15 P120811 220811-s1.05533.05533.3.dta



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



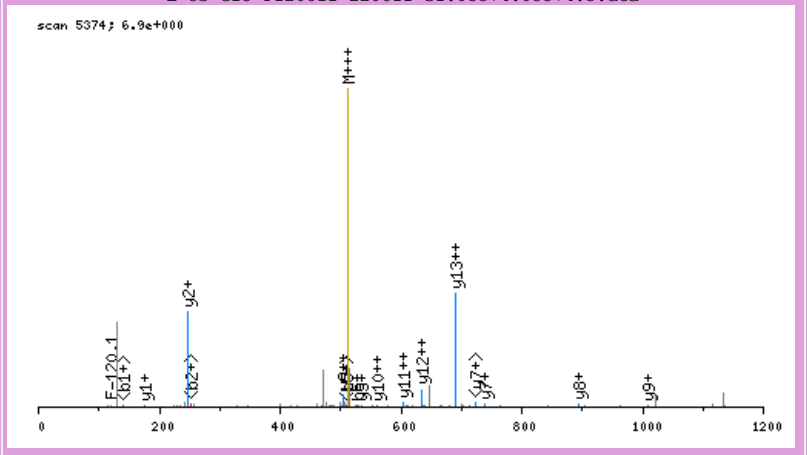
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
271.1658	2	L	12	1549.8049	775.4064
400.2084	3	E	11	1436.7208	718.8643
515.2353	4	D	10	1307.6782	654.3430
646.2758	5	M	9	1192.6513	596.8296
760.3187	6	N	8	1061.6108	531.3093
888.3773	7	Q	7	947.5679	474.2878
1044.5036	8	K	6	819.5093	410.2586
1157.5876	9	L	5	663.3830	332.1954
1304.6561	10	F	4	550.2989	275.6534
1419.6830	11	D	3	403.2305	202.1192
1532.7671	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

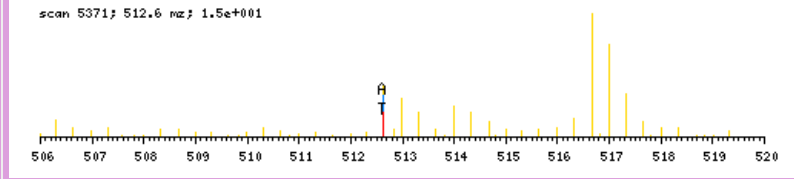
N-term:+29.04 K(8):+156.13

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

ELGSILKGFSSDAR, MH+ 1535.8433, m/z 512.6193
L OS G15 P120811 220811-s1.05374.05374.3.dta



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



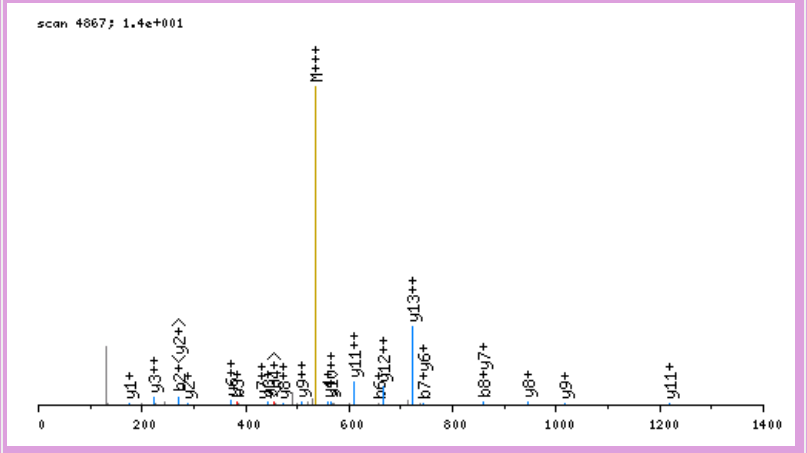
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
271.1658	2	L	13	1378.7695	**689.8887**
328.1872	3	G	12	1265.6854	**633.3466**
415.2192	4	S	11	1208.6639	**604.8359**
528.3033	5	I	10	1121.6319	**561.3199**
641.3874	6	L	9	**1008.5479**	**504.7778**
797.5137	7	K	8	**895.4638**	448.2358
854.5351	8	G	7	**739.3375**	370.1727
1001.6036	9	F	6	682.3160	341.6619
1088.6356	10	S	5	**535.2476**	268.1277
1175.6676	11	S	4	448.2156	224.6117
1290.6946	12	D	3	361.1836	181.0957
1361.7317	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

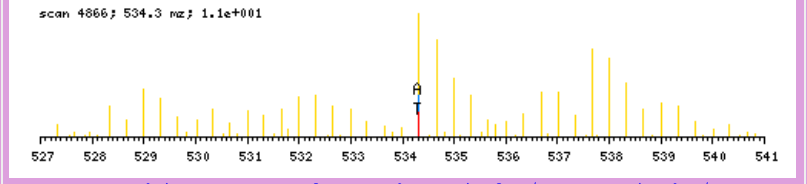
N-term:+29.04 K(7):+156.13

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

ELISNASDALDKIR, MH+ 1600.8910, m/z 534.3019
L OS G15 P120811 220811-s1.04867.04867.3.dta



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



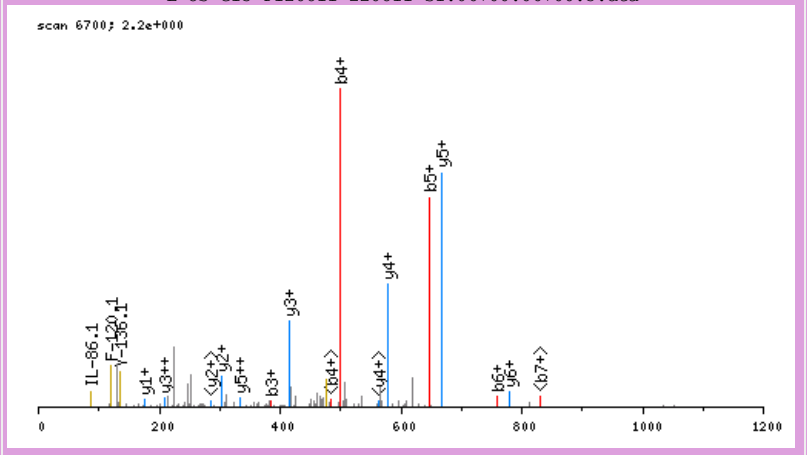
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
271.1658	2	L	13	1443.8172	722.4125
384.2498	3	I	12	1330.7331	665.8705
471.2818	4	S	11	1217.6490	609.3284
585.3248	5	N	10	1130.6170	565.8124
656.3619	6	A	9	1016.5741	508.7909
743.3939	7	S	8	945.5370	473.2724
858.4209	8	D	7	858.5049	429.7564
929.4580	9	A	6	743.4780	372.2429
1042.5420	10	L	5	672.4409	336.7243
1157.5690	11	D	4	559.3568	280.1823
1313.6953	12	K	3	444.3299	222.6688
1426.7793	13	I	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

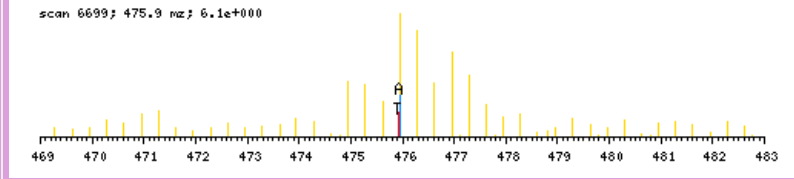
N-term:+29.04 K(12):+156.13

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

ELNDFISYLQR, MH+ 1425.7378, m/z 475.9174
L OS G13 P120811 220811-s1.06700.06700.3.dta



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



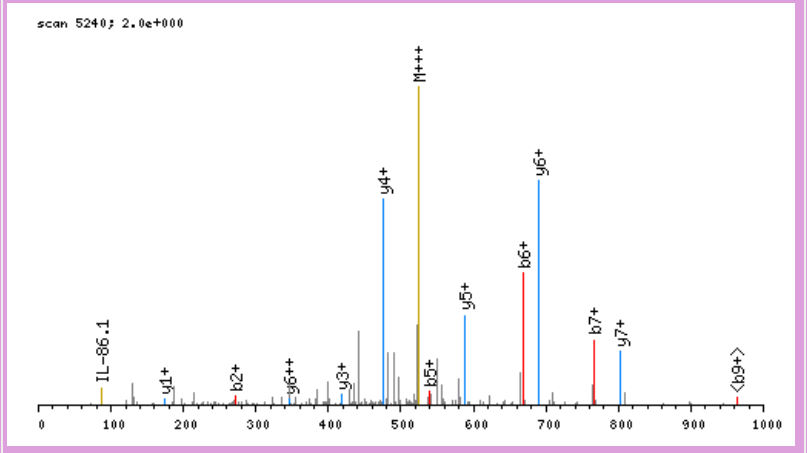
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	11		
271.1658	2	L	10	1268.6639	634.8359
385.2087	3	N	9	1155.5798	578.2938
500.2356	4	D	8	1041.5369	521.2724
647.3040	5	F	7	926.5100	463.7589
760.3881	6	I	6	**779.4416**	390.2247
847.4201	7	S	5	**666.3575**	**333.6827**
1010.4835	8	Y	4	**579.3255**	290.1666
1123.5675	9	L	3	**416.2621**	**208.6350**
1251.6261	10	Q	2	**303.1781**	152.0930
	11	R	1	**175.1195**	88.0637

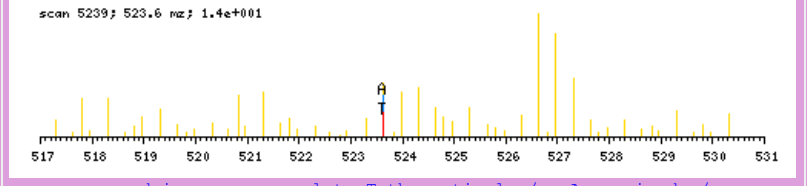
N-term:+29.04

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

ELPDGQVITIGNER, MH+ 1568.8284, m/z 523.6143
L OS G13 P120811 220811-s1.05240.05240.3.dta



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



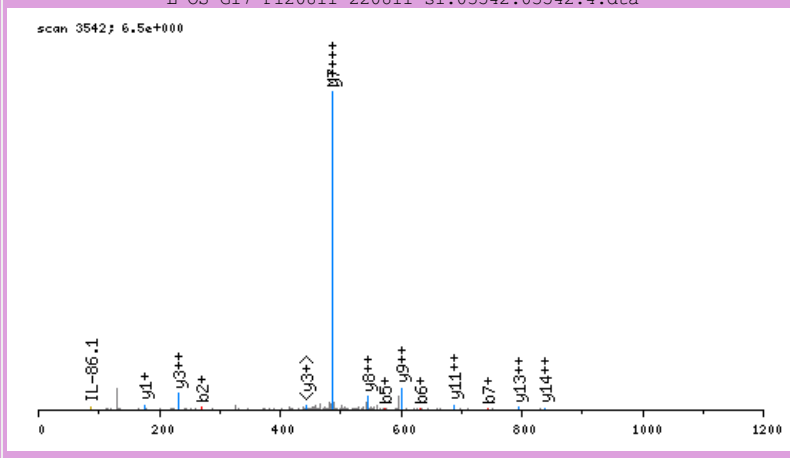
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
271.1658	2	L	13	1411.7545	706.3812
368.2185	3	P	12	1298.6705	649.8391
483.2455	4	D	11	1201.6177	601.3128
540.2669	5	G	10	1086.5907	543.7993
668.3255	6	Q	9	1029.5693	515.2886
767.3939	7	V	8	901.5107	451.2593
880.4780	8	I	7	**802.4423**	401.7251
981.5257	9	T	6	**689.3582**	**345.1830**
1094.6097	10	I	5	**588.3105**	294.6592
1151.6312	11	G	4	**475.2265**	238.1172
1265.6741	12	N	3	**418.2050**	209.6064
1394.7167	13	E	2	304.1621	152.5850
	14	R	1	**175.1195**	88.0637

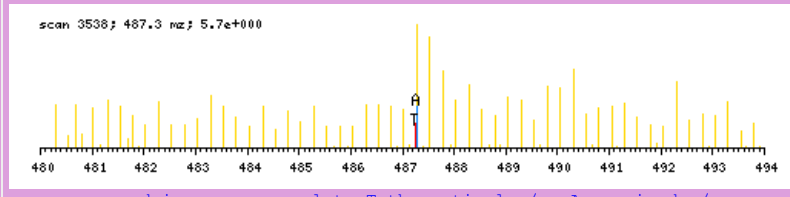
N-term:+29.04

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

ELSSEGILDDRNEEKR, MH+ 1945.9831, m/z 487.2512
L OS G17 P120811 220811-s1.03542.03542.4.dta



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



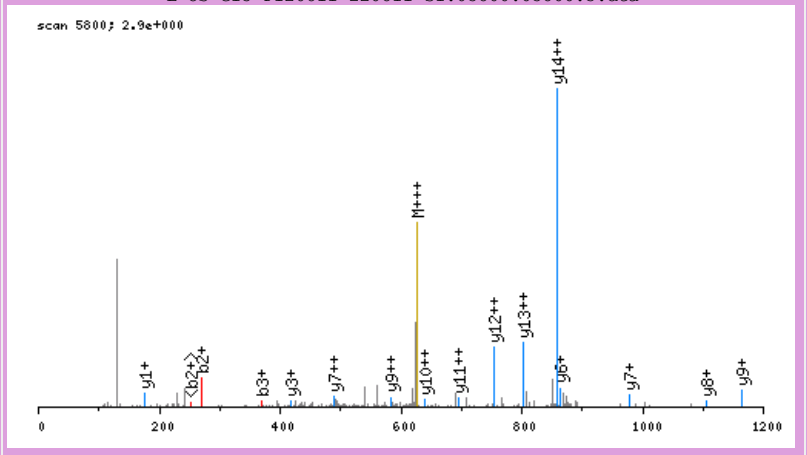
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
271.1658	2	L	15	1788.9092	894.9585
358.1978	3	S	14	1675.8252	**838.4165**
445.2298	4	S	13	1588.7931	**794.9005**
574.2724	5	E	12	1501.7611	751.3845
631.2939	6	G	11	1372.7185	**686.8632**
744.3779	7	I	10	1315.6970	658.3524
857.4620	8	L	9	1202.6130	**601.8104**
972.4889	9	D	8	1089.5289	**545.2684**
1087.5159	10	D	7	974.5020	**487.7549**
1243.6170	11	R	6	859.4750	430.2414
1357.6599	12	N	5	703.3739	352.1909
1486.7025	13	E	4	589.3310	295.1694
1615.7451	14	E	3	460.2884	**230.6481**
1771.8714	15	K	2	331.2458	166.1268
	16	R	1	**175.1195**	88.0637

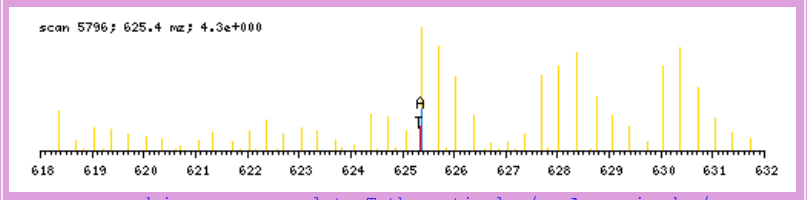
N-term:+29.04 K(15):+156.13

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

ELVNNLGEIYQKIER, MH+ 1874.0387, m/z 625.3511
L OS G15 P120811 220811-s1.05800.05800.3.dta



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



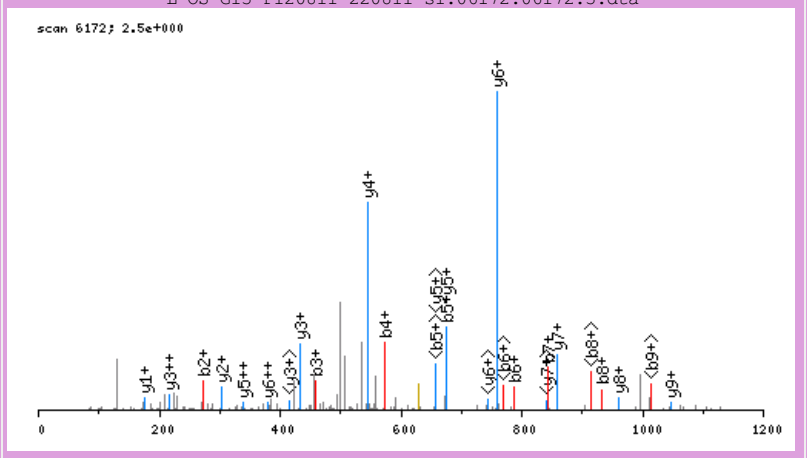
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
271.1658	2	L	14	1716.9649	**858.9864**
370.2342	3	V	13	1603.8808	**802.4443**
484.2771	4	N	12	1504.8124	**752.9101**
598.3200	5	N	11	1390.7695	**695.8887**
711.4041	6	L	10	1276.7265	**638.8672**
768.4256	7	G	9	**1163.6425**	**582.3252**
897.4681	8	E	8	**1106.6210**	553.8144
1010.5522	9	I	7	**977.5784**	**489.2931**
1173.6155	10	Y	6	**864.4944**	432.7511
1301.6741	11	Q	5	701.4310	351.2194
1457.8004	12	K	4	573.3725	287.1901
1570.8845	13	I	3	**417.2462**	209.1270
1699.9271	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

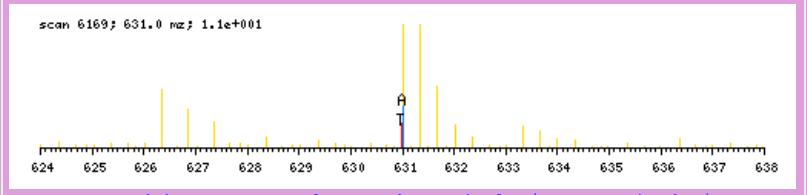
N-term:+29.04 K(12):+156.13

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

ENWDTLGSTVSQLQER, MH+ 1890.9197, m/z 630.9781
L OS G13 P120811 220811-s1.06172.06172.3.dta



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



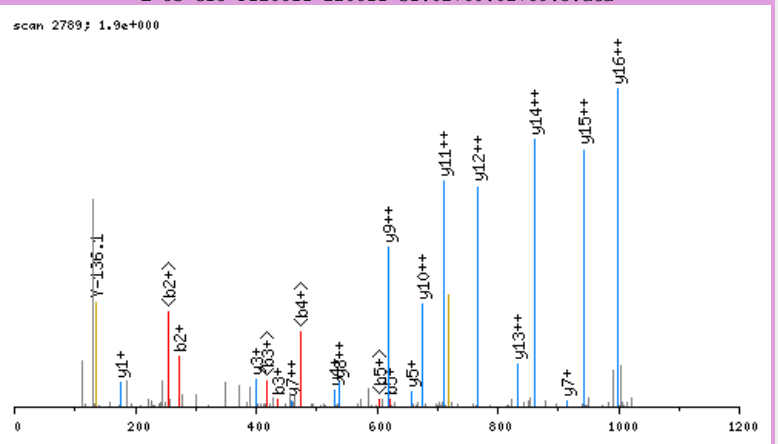
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

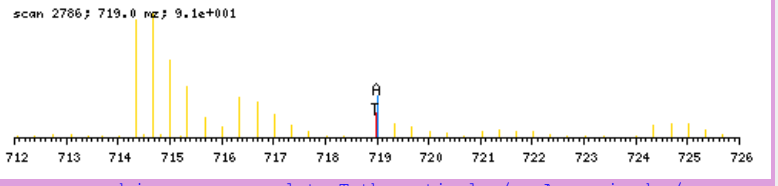
N-term:+29.04

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 G15 P120811 220811-s1.02789.02789.3.dta



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



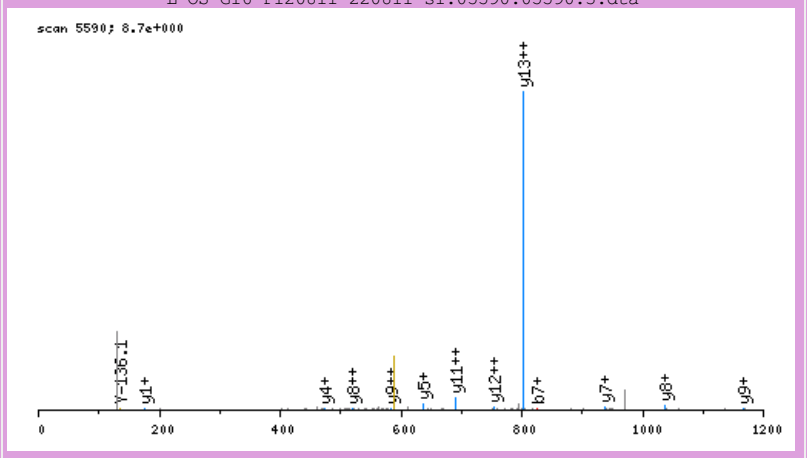
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

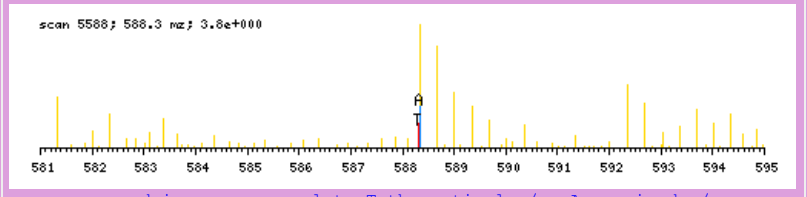
N-term:+29.04 C(9):+160.03
C(10):+160.03 K(12):+156.13

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

EPEGKEVWDYVTVR, MH+ 1762.9016, m/z 588.3054
L OS G16 P120811 220811-s1.05590.05590.3.dta



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



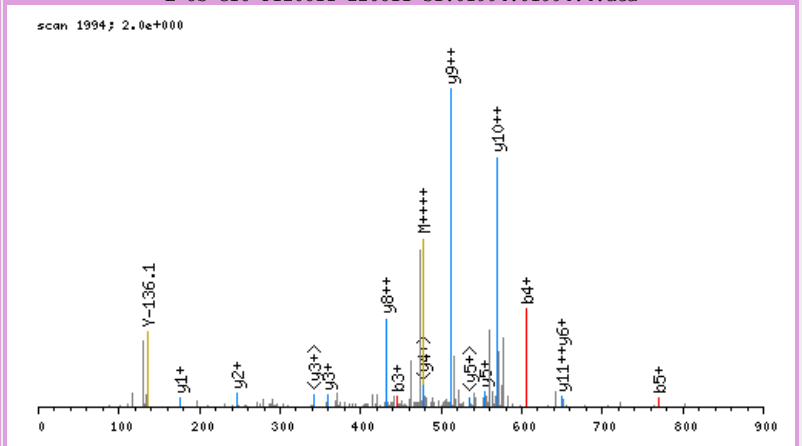
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
255.1345	2	P	13	1605.8277	**803.4178**
384.1771	3	E	12	1508.7750	**754.8914**
441.1985	4	G	11	1379.7324	**690.3701**
597.3248	5	K	10	1322.7109	661.8594
726.3674	6	E	9	**1166.5846**	**583.7962**
825.4358	7	V	8	**1037.5420**	**519.2749**
1011.5151	8	W	7	**938.4736**	469.7407
1126.5421	9	D	6	752.3943	376.7011
1289.6054	10	Y	5	**637.3673**	319.1876
1388.6738	11	V	4	**474.3040**	237.6559
1489.7215	12	T	3	375.2356	188.1217
1588.7899	13	V	2	274.1879	137.5979
	14	R	1	**175.1195**	88.0637

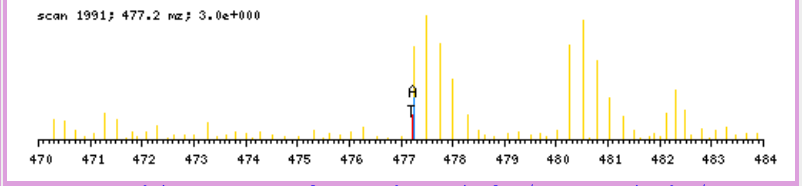
N-term:+29.04 K(5):+156.13

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

EQCCYNCGKPGHLAR, MH+ 1905.8521, m/z 477.2185
L OS G18 P120811 220811-s1.01994.01994.4.dta



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



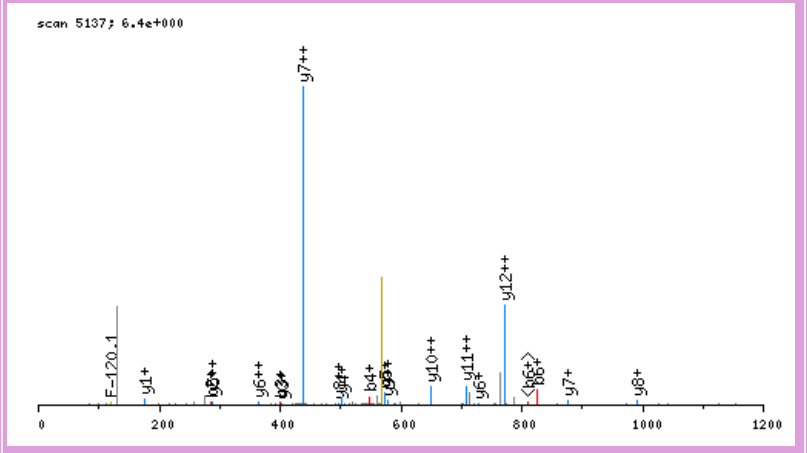
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	15		
286.1403	2	Q	14	1748.7782	874.8930
446.1709	3	C	13	1620.7196	810.8637
606.2015	4	C	12	1460.6890	730.8484
769.2648	5	Y	11	1300.6584	**650.8331**
883.3077	6	N	10	1137.5951	**569.3015**
1043.3383	7	C	9	1023.5522	**512.2800**
1100.3598	8	G	8	863.5216	**432.2647**
1256.4861	9	K	7	806.5001	403.7540
1353.5389	10	P	6	**650.3738**	325.6908
1410.5603	11	G	5	**553.3211**	277.1644
1547.6192	12	H	4	496.2996	248.6537
1660.7033	13	L	3	**359.2407**	180.1243
1731.7404	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

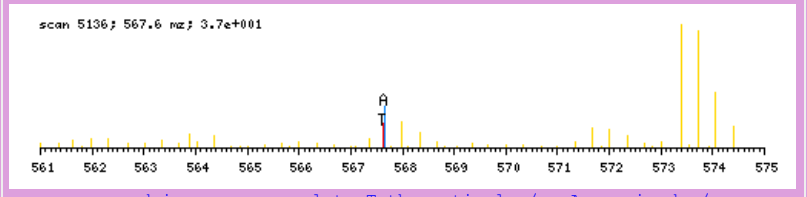
N-term:+29.04 C(3):+160.03
C(4):+160.03 C(7):+160.03 K(9):+156.13

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

EQDFYDFKAVNIR, MH+ 1700.8648, m/z 567.6265
L OS G15 P120811 220811-s1.05137.05137.3.dta



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



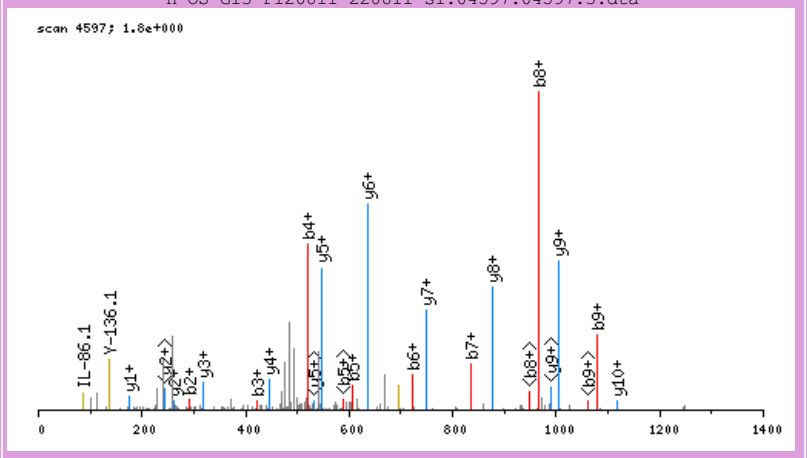
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	13		
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

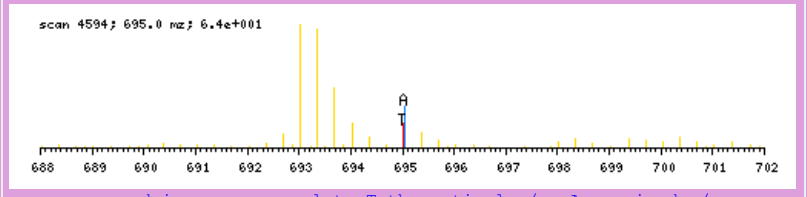
N-term:+29.04 K(8):+156.13

EQEVSDNELQELSTQGSR, MH+ 2083.0003, m/z 695.0050
H OS G13 P120811 220811-s1.04597.04597.3.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±]



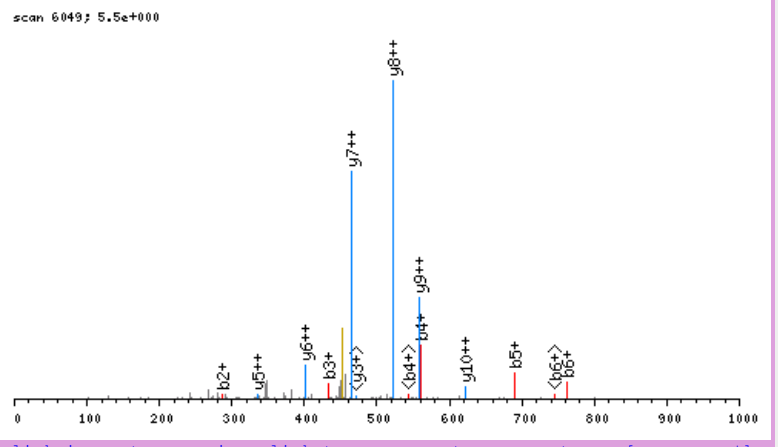
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
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

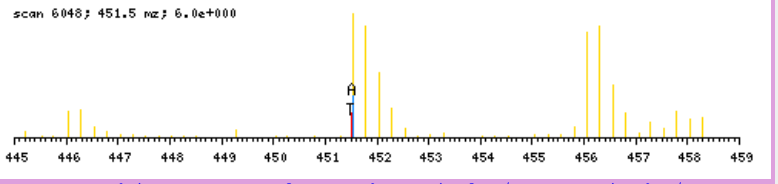
N-term:+35.07

EQFQEALEELAKKR, MH+ 1803.0017, m/z 451.5059
L OS G17 P120811 220811-s1.06049.06049.4.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±]



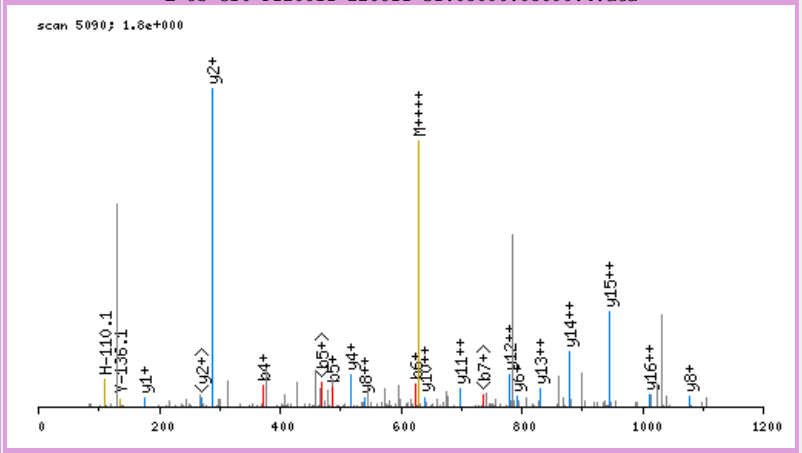
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
286.1403	2	Q	13	1645.9278	823.4678
433.2087	3	F	12	1517.8692	759.4385
561.2673	4	Q	11	1370.8008	685.9043
690.3099	5	E	10	1242.7422	621.8750
761.3470	6	A	9	1113.6996	557.3537
874.4310	7	L	8	1042.6625	521.8352
1003.4736	8	E	7	929.5785	465.2931
1132.5162	9	E	6	800.5359	400.7718
1245.6003	10	L	5	671.4933	336.2506
1316.6374	11	A	4	558.4092	279.7085
1472.7637	12	K	3	487.3721	244.1900
1628.8900	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

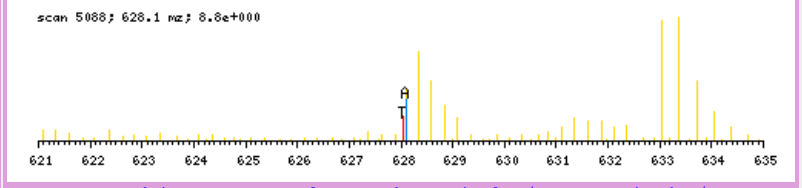
N-term:+29.04 K(12):+156.13
K(13):+156.13

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

ESAGIHETTYNSIMKCDIDIR, MH+ 2509.2066, m/z 628.0571
L OS G16 P120811 220811-s1.05090.05090.4.dta



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



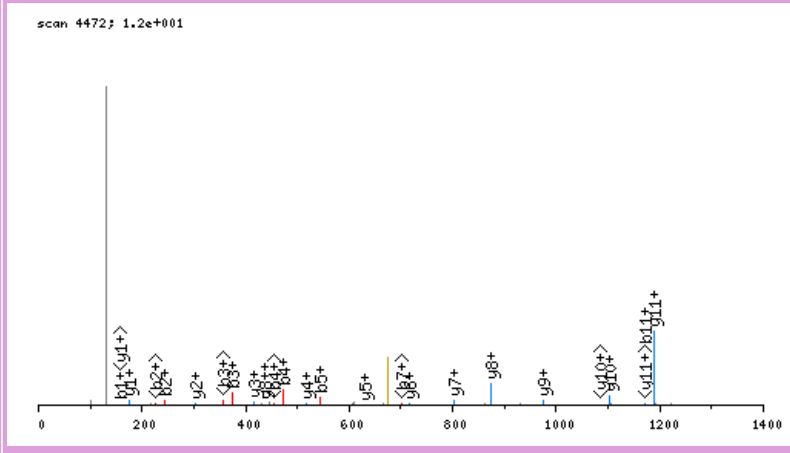
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	21		
245.1137	2	S	20	2352.1328	1176.5703
316.1508	3	A	19	2265.1008	1133.0543
373.1723	4	G	18	2194.0636	1097.5357
486.2564	5	I	17	2137.0422	1069.0250
623.3153	6	H	16	2023.9581	**1012.4830**
752.3579	7	E	15	1886.8992	**943.9535**
853.4055	8	T	14	1757.8566	**879.4322**
954.4532	9	T	13	1656.8089	**828.9084**
1117.5166	10	Y	12	1555.7612	**778.3845**
1231.5595	11	N	11	1392.6979	**696.8529**
1318.5915	12	S	10	1278.6550	**639.8314**
1431.6756	13	I	9	1191.6230	596.3154
1562.7161	14	M	8	**1078.5389**	**539.7734**
1718.8424	15	K	7	947.4984	474.2531
1878.8730	16	C	6	**791.3721**	396.1900
1993.8999	17	D	5	631.3415	316.1747
2106.9840	18	I	4	**516.3146**	258.6612
2222.0109	19	D	3	403.2305	202.1192
2335.0950	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

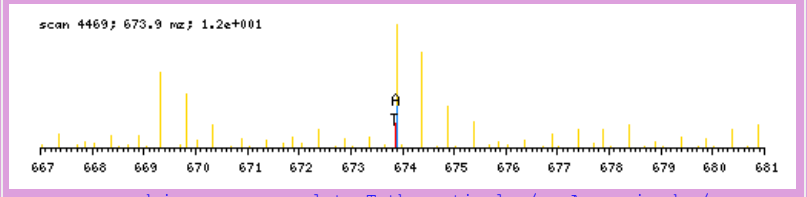
N-term:+29.04 K(15):+156.13
C(16):+160.03

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

ESEVASSLVLER, MH+ 1346.7167, m/z 673.8620
L OS G13 P120811 220811-s1.04472.04472.2.dta



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



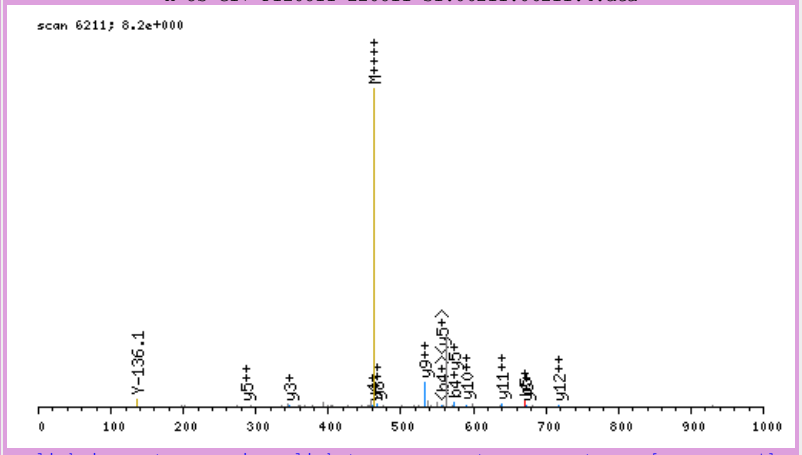
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
245.1137	2	S	11	1189.6428	595.3253
374.1563	3	E	10	1102.6108	551.8093
473.2247	4	V	9	973.5682	487.2880
544.2618	5	A	8	874.4998	437.7538
631.2939	6	S	7	803.4627	402.2353
718.3259	7	S	6	716.4307	358.7192
831.4100	8	L	5	629.3986	315.2032
930.4784	9	V	4	516.3146	258.6612
1043.5624	10	L	3	417.2462	209.1270
1172.6050	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

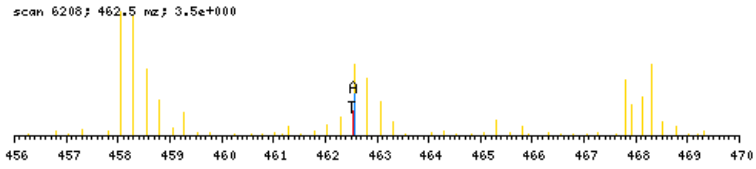
N-term:+29.04

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

ESKCPLMVKVLDAVR, MH+ 1847.1347, m/z 462.5391
H OS G17 P120811 220811-s1.06211.06211.4.dta



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

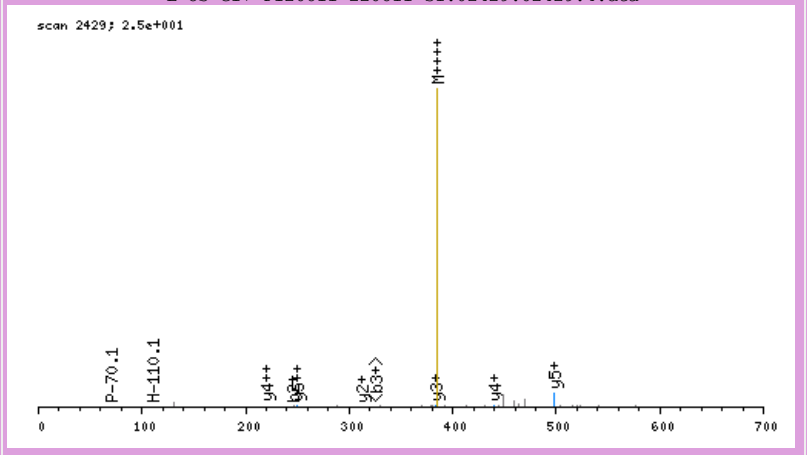


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

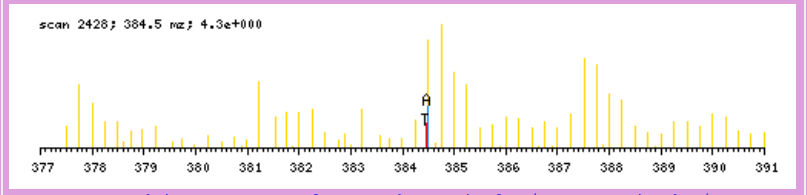
b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	15		
251.1455	2	S	14	1684.0290	842.5184
413.3036	3	K	13	1596.9970	799.0024
573.3342	4	C	12	1434.8389	**717.9234**
670.3870	5	P	11	1274.8083	**637.9081**
783.4710	6	L	10	1177.7555	**589.3817**
914.5115	7	M	9	1064.6714	**532.8396**
1013.5799	8	V	8	933.6310	**467.3194**
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

ESPTKVQLVGGAHR, MH+ 1534.8706, m/z 384.4731
L OS G17 P120811 220811-s1.02429.02429.4.dta



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



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

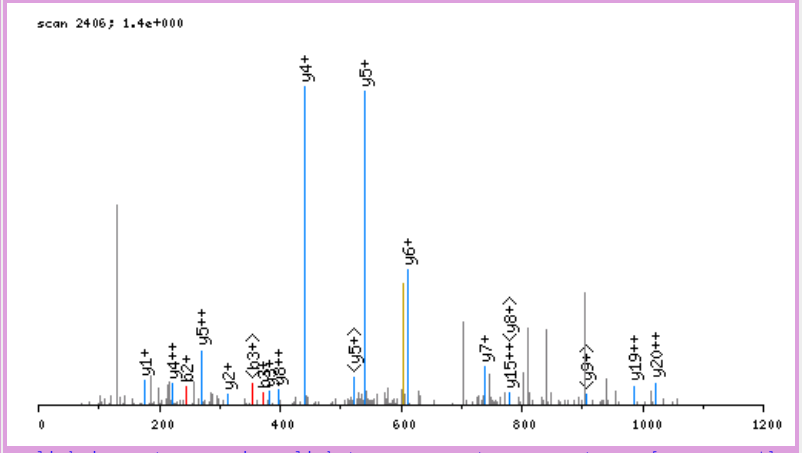
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
245.1137	2	S	13	1377.7967	689.4023
342.1665	3	P	12	1290.7647	645.8862
443.2142	4	T	11	1193.7119	597.3599
599.3405	5	K	10	1092.6642	546.8360
698.4089	6	V	9	936.5379	468.7729
826.4675	7	Q	8	837.4695	419.2387
939.5515	8	L	7	709.4109	355.2094
1038.6199	9	V	6	596.3269	298.6673
1095.6414	10	G	5	**497.2585**	**249.1331**
1152.6629	11	G	4	**440.2370**	**220.6224**
1223.7000	12	A	3	**383.2155**	192.1117
1360.7589	13	H	2	**312.1784**	156.5931
	14	R	1	175.1195	88.0637

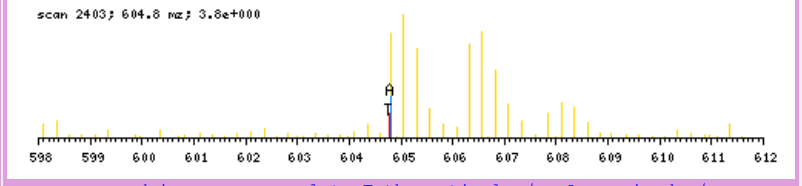
N-term:+29.04 K(5):+156.13

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

ESQASDSEGHSDFSEGQAVGAHR, MH+ 2416.0401, m/z 604.7655
L OS G17 P120811 220811-s1.02406.02406.4.dta



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



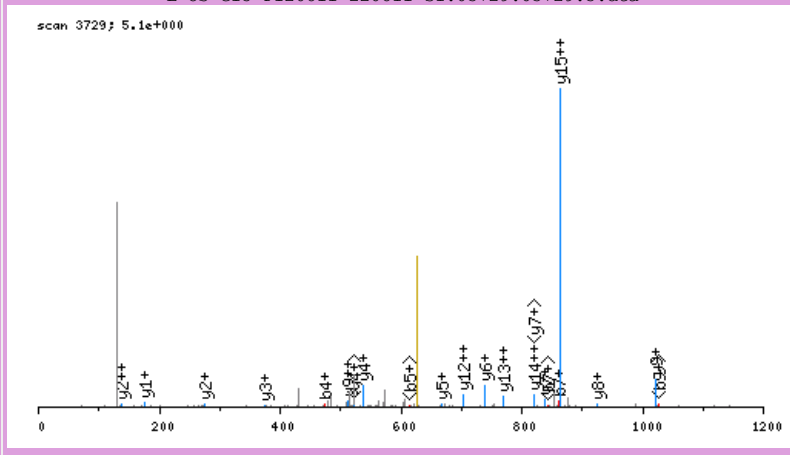
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	23		
245.1137	2	S	22	2258.9663	1129.9870
373.1723	3	Q	21	2171.9342	1086.4710
444.2094	4	A	20	2043.8756	**1022.4417**
531.2414	5	S	19	1972.8385	**986.9232**
646.2684	6	D	18	1885.8065	943.4072
733.3004	7	S	17	1770.7796	885.8937
862.3430	8	E	16	1683.7475	842.3777
919.3645	9	G	15	1554.7049	**777.8564**
1056.4234	10	H	14	1497.6835	749.3457
1143.4554	11	S	13	1360.6246	680.8162
1258.4824	12	D	12	1273.5925	637.3002
1405.5508	13	F	11	1158.5656	579.7867
1492.5828	14	S	10	1011.4972	506.2525
1621.6254	15	E	9	924.4652	462.7365
1678.6469	16	G	8	795.4226	**398.2152**
1806.7054	17	Q	7	**738.4011**	369.7045
1877.7425	18	A	6	**610.3425**	305.6752
1976.8110	19	V	5	**539.3054**	**270.1566**
2033.8324	20	G	4	**440.2370**	**220.6224**
2104.8695	21	A	3	**383.2155**	192.1117
2241.9284	22	H	2	**312.1784**	156.5931
	23	R	1	**175.1195**	88.0637

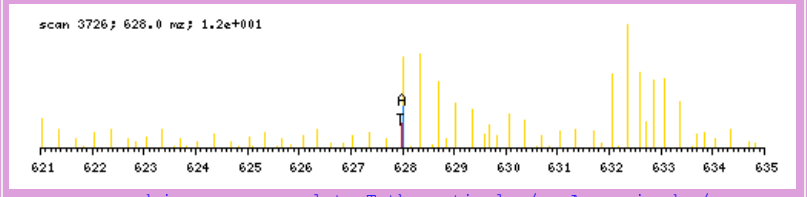
N-term:+29.04

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

ESVMKTEPSVAEYTVR, MH+ 1881.9632, m/z 627.9926
L OS G15 P120811 220811-s1.03729.03729.3.dta



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



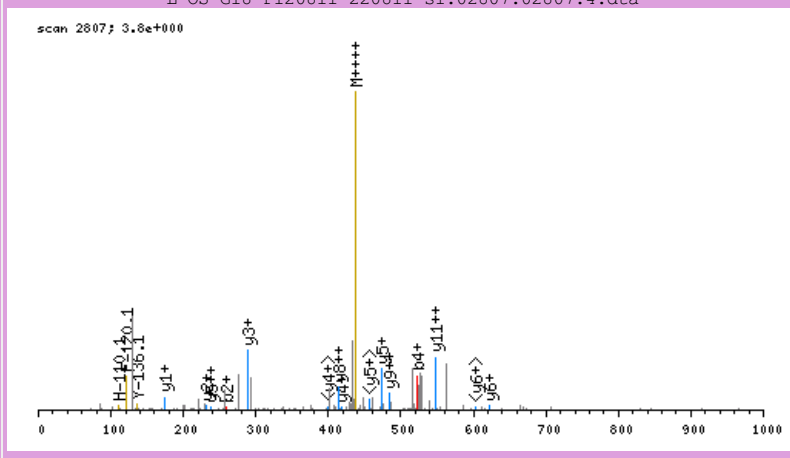
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

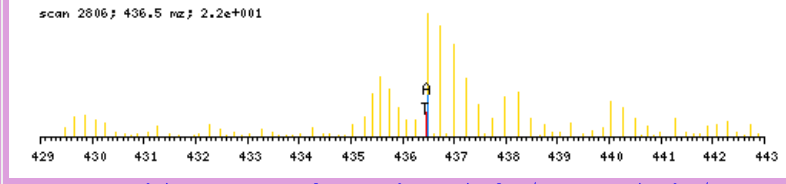
N-term:+29.04 K(5):+156.13

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

ETFDQGAHHAFGQGGR, MH+ 1742.7999, m/z 436.4554
L OS G18 P120811 220811-s1.02807.02807.4.dta



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



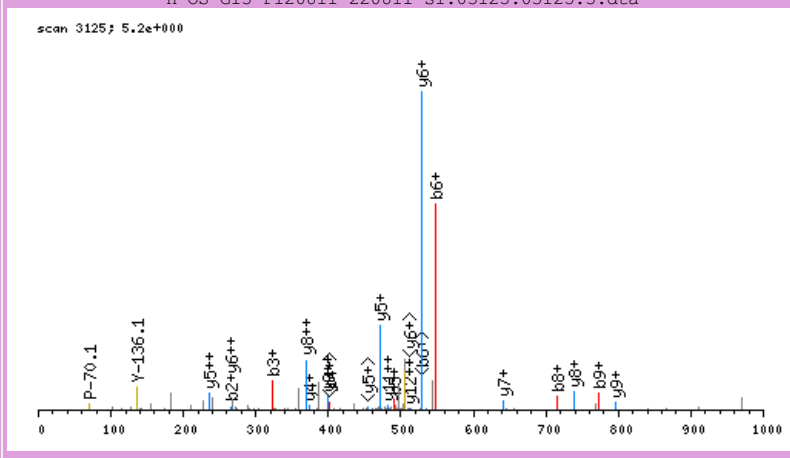
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
259.1294	2	T	15	1585.7260	793.3669
406.1978	3	F	14	1484.6783	742.8431
521.2247	4	D	13	1337.6099	669.3089
649.2833	5	Q	12	1222.5830	611.7954
706.3048	6	G	11	1094.5244	**547.7661**
777.3419	7	A	10	1037.5029	519.2554
914.4008	8	H	9	966.4658	**483.7368**
1051.4597	9	H	8	829.4069	**415.2074**
1122.4968	10	A	7	692.3480	346.6779
1269.5652	11	F	6	**621.3109**	311.1594
1326.5867	12	G	5	**474.2425**	**237.6251**
1454.6453	13	Q	4	**417.2210**	209.1144
1511.6667	14	G	3	**289.1624**	145.0851
1568.6882	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

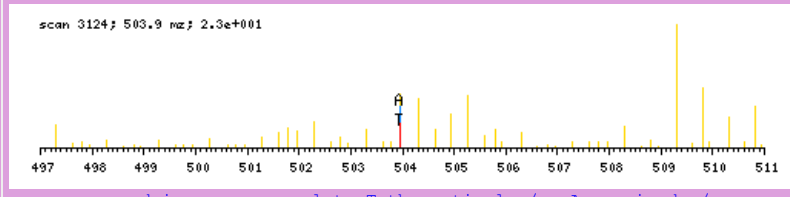
N-term:+29.04

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

ETGPAGPAGPIGPAGAR, MH+ 1509.8237, m/z 503.9461
H OS G13 P120811 220811-s1.03125.03125.3.dta



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



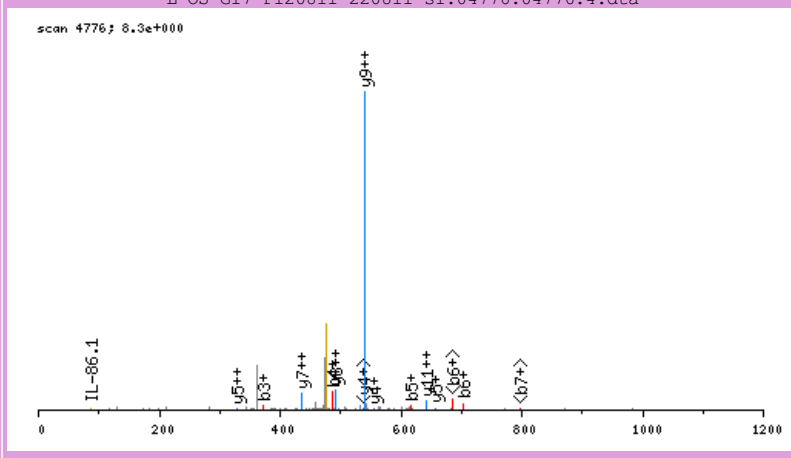
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

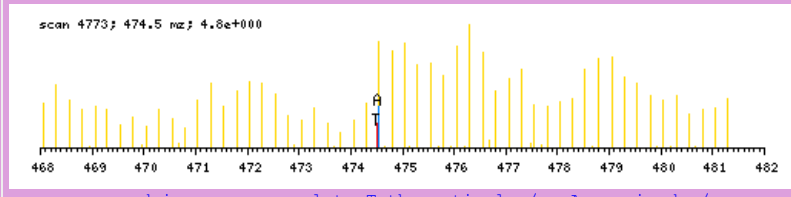
N-term:+35.07

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

ETNLESLPLVDTHSKR, MH+ 1895.0238, m/z 474.5114
L OS G17 P120811 220811-s1.04776.04776.4.dta



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



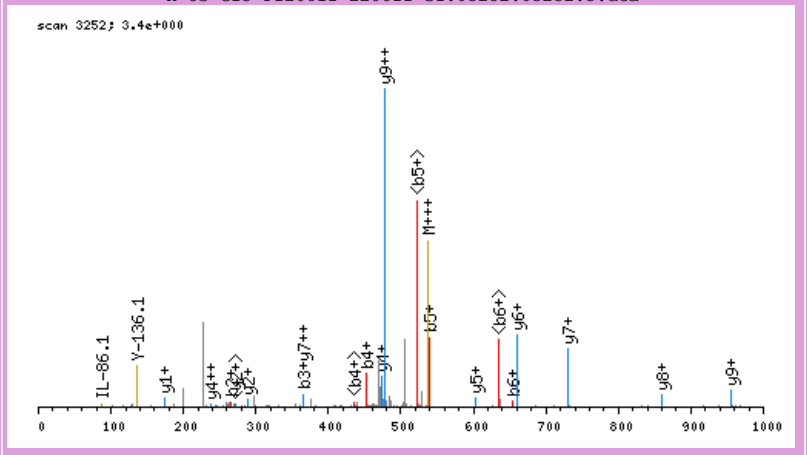
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
259.1294	2	T	15	1737.9500	869.4789
373.1723	3	N	14	1636.9023	818.9551
486.2564	4	L	13	1522.8594	761.9336
615.2990	5	E	12	1409.7753	705.3916
702.3310	6	S	11	1280.7327	**640.8703**
815.4150	7	L	10	1193.7007	597.3542
912.4678	8	P	9	1080.6166	**540.8122**
1025.5519	9	L	8	983.5638	**492.2858**
1124.6203	10	V	7	870.4798	**435.7438**
1239.6472	11	D	6	771.4114	386.2096
1340.6949	12	T	5	**656.3844**	**328.6961**
1477.7538	13	H	4	**555.3367**	278.1723
1564.7859	14	S	3	418.2778	209.6428
1720.9122	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

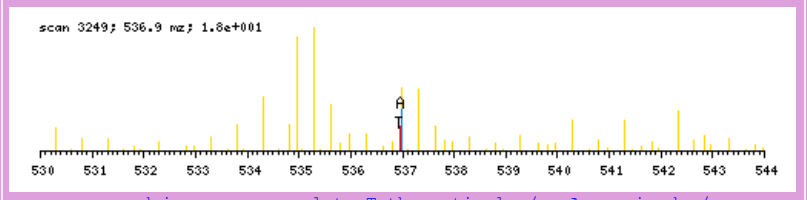
N-term:+29.04 K(15):+156.13

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

ETTSSIPEAGEGQIR, MH+ 1608.8293, m/z 536.9479
H OS G13 P120811 220811-s1.03252.03252.3.dta



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



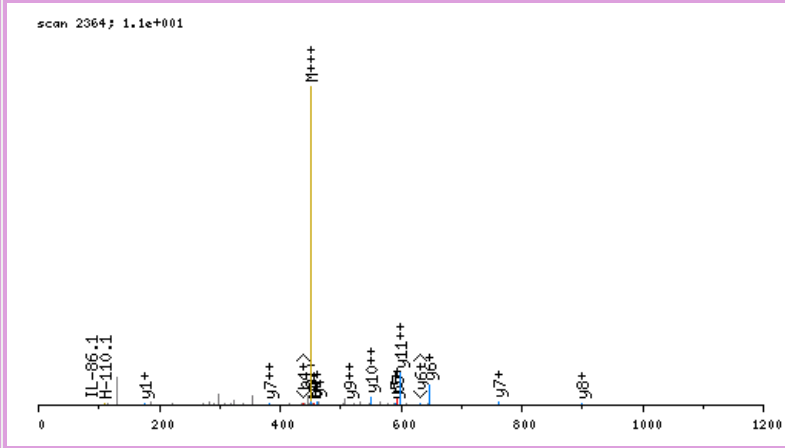
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

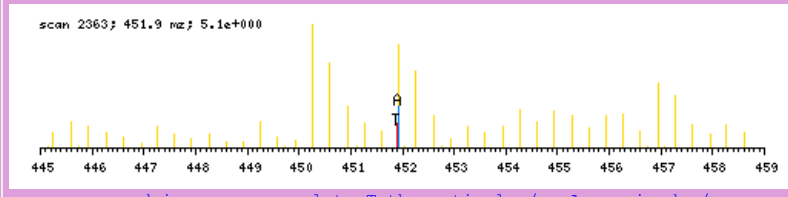
N-term:+35.07

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

EVAQHLGESTVR, MH+ 1353.7126, m/z 451.9091
L OS G16 P120811 220811-s1.02364.02364.3.dta



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

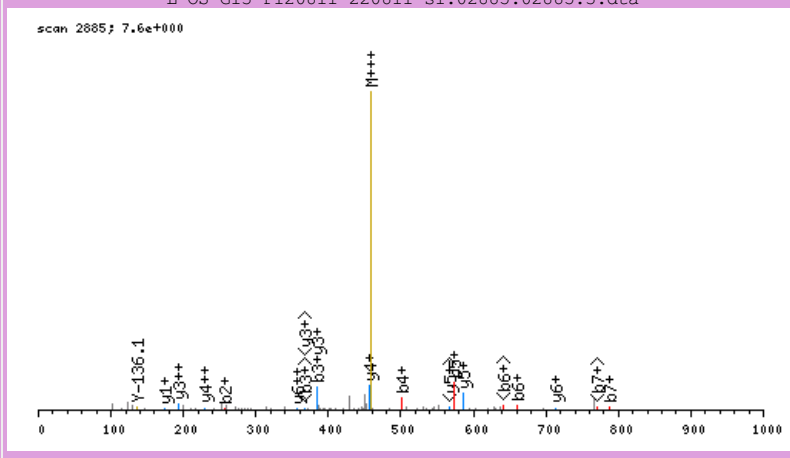


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

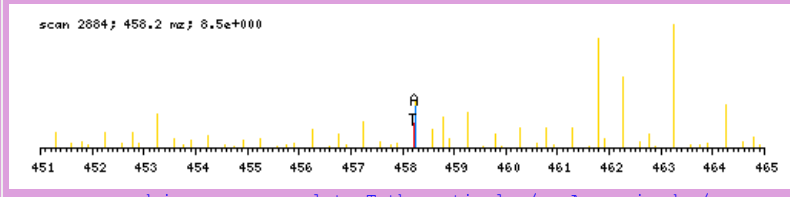
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
257.1501	2	V	11	1196.6388	**598.8233**
328.1872	3	A	10	1097.5703	**549.2891**
456.2458	4	Q	9	1026.5332	**513.7705**
593.3047	5	H	8	**898.4747**	**449.7412**
706.3888	6	L	7	**761.4157**	**381.2118**
763.4102	7	G	6	**648.3317**	324.6698
892.4528	8	E	5	**591.3102**	296.1590
979.4849	9	S	4	**462.2676**	231.6377
1080.5325	10	T	3	375.2356	188.1217
1179.6010	11	V	2	274.1879	137.5979
	12	R	1	**175.1195**	88.0637

N-term:+29.04

EVEDASEEAPLR, MH+ 1372.6596, m/z 458.2247
L OS G13 P120811 220811-s1.02885.02885.3.dta



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



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

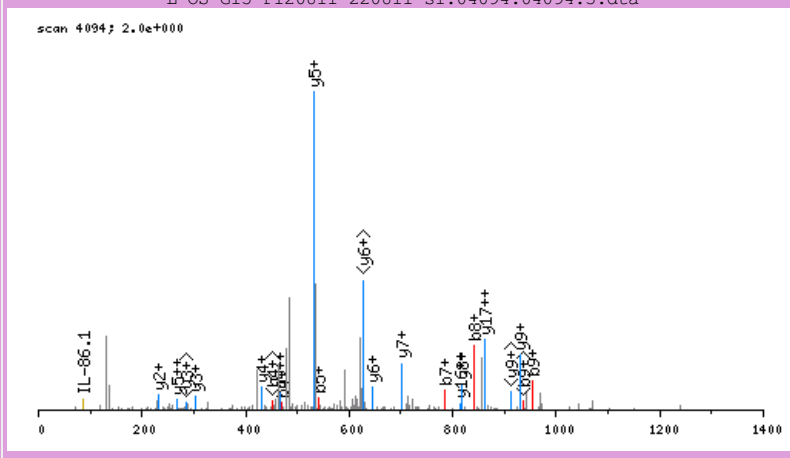
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
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

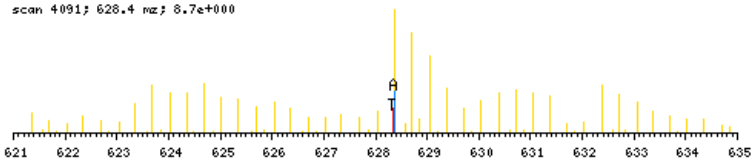
N-term:+29.04

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

EVGKALEGINNGITQAGR, MH+ 1883.0351, m/z 628.3499
L OS G15 P120811 220811-s1.04094.04094.3.dta



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



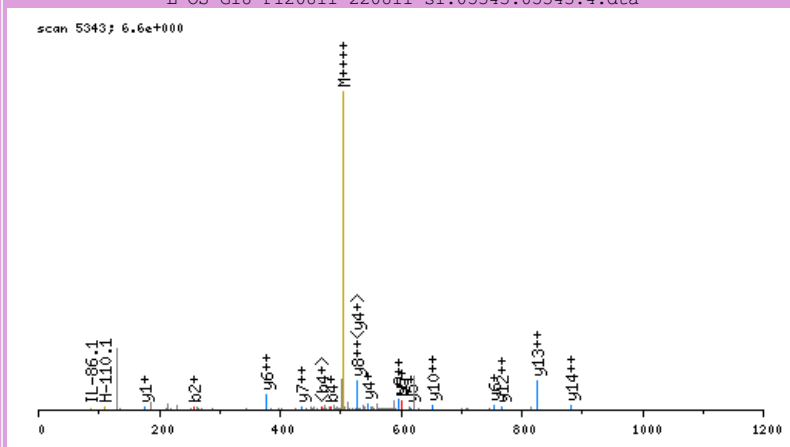
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

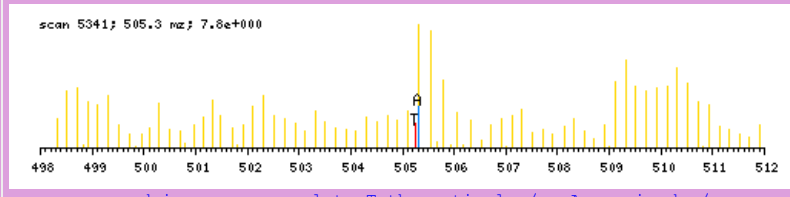
N-term:+29.04 K(4):+156.13

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

EVIDDLNHWDHATKLR, MH+ 2018.0460, m/z 505.2669
L OS G18 P120811 220811-s1.05343.05343.4.dta



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



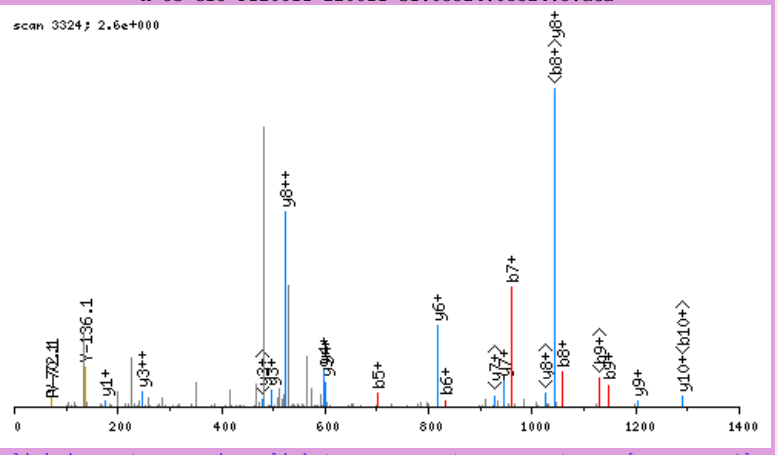
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	16		
257.1501	2	V	15	1860.9721	930.9900
370.2342	3	I	14	1761.9037	881.4558
485.2611	4	D	13	1648.8196	824.9137
600.2881	5	D	12	1533.7927	767.4002
713.3721	6	L	11	1418.7657	709.8868
827.4150	7	N	10	1305.6817	653.3447
964.4740	8	H	9	1191.6387	596.3233
1150.5533	9	W	8	1054.5798	527.7938
1265.5802	10	D	7	868.5005	434.7542
1402.6391	11	H	6	753.4736	377.2407
1473.6762	12	A	5	616.4147	308.7112
1574.7239	13	T	4	545.3775	273.1927
1730.8502	14	K	3	444.3299	222.6688
1843.9343	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

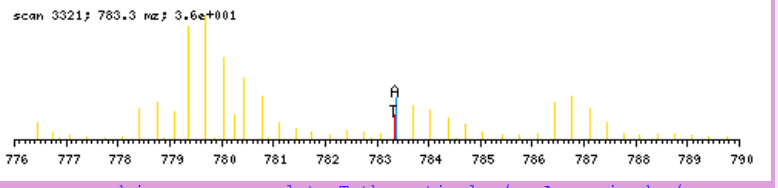
N-term:+29.04 K(14):+156.13

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

EVKCDMEVSCPEGYTCCR, MH+ 2348.0124, m/z 783.3423
H OS G15 P120811 220811-s1.03324.03324.3.dta



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



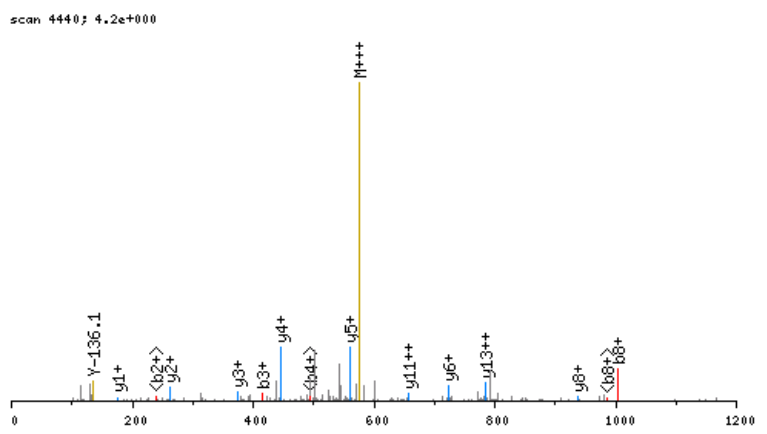
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	18		
263.1819	2	V	17	2184.9067	1092.9573
425.3400	3	K	16	2085.8383	1043.4231
585.3706	4	C	15	1923.6802	962.3440
700.3976	5	D	14	1763.6496	882.3287
831.4380	6	M	13	1648.6226	824.8152
960.4806	7	E	12	1517.5822	759.2950
1059.5490	8	V	11	1388.5396	694.7737
1146.5811	9	S	10	**1289.4712**	645.2395
1306.6117	10	C	9	**1202.4391**	**601.7235**
1403.6644	11	P	8	**1042.4085**	**521.7082**
1532.7070	12	E	7	**945.3558**	473.1818
1589.7285	13	G	6	**816.3132**	408.6605
1752.7918	14	Y	5	759.2917	380.1498
1853.8395	15	T	4	**596.2284**	298.6181
2013.8701	16	C	3	**495.1807**	**248.0943**
2173.9007	17	C	2	335.1501	168.0790
	18	R	1	**175.1195**	88.0637

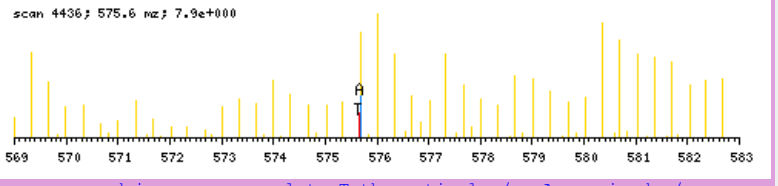
N-term:+35.07 K(3):+162.16
C(4):+160.03 C(10):+160.03
C(16):+160.03 C(17):+160.03

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

EVKVDCSEYLALSK, MH+ 1724.9144, m/z 575.6430
L OS G15 P120811 220811-s1.04440.04440.3.dta



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



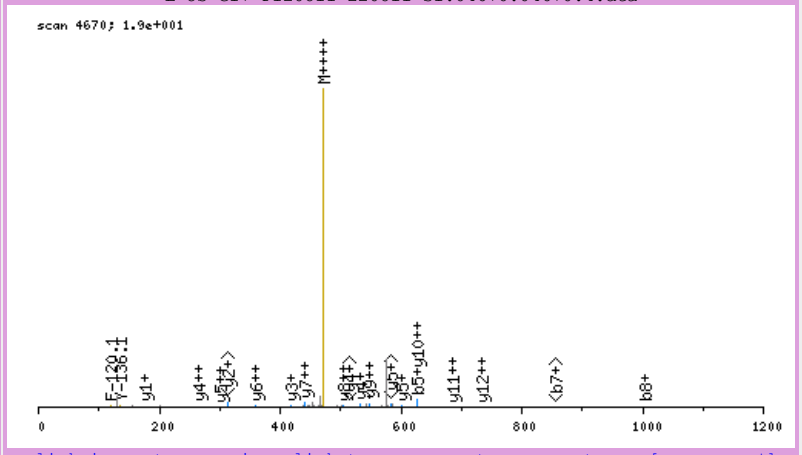
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
257.1501	2	V	13	1567.8406	**784.4242**
413.2764	3	K	12	1468.7722	734.8900
512.3448	4	V	11	1312.6459	**656.8268**
627.3718	5	D	10	1213.5775	607.2926
787.4024	6	C	9	1098.5505	549.7792
874.4344	7	S	8	**938.5199**	469.7639
1003.4770	8	E	7	851.4879	426.2479
1166.5403	9	Y	6	**722.4453**	361.7266
1279.6244	10	L	5	**559.3820**	280.1949
1350.6615	11	A	4	**446.2979**	223.6529
1463.7456	12	L	3	**375.2608**	188.1343
1550.7776	13	S	2	**262.1767**	131.5923
	14	K	1	**175.1447**	88.0763

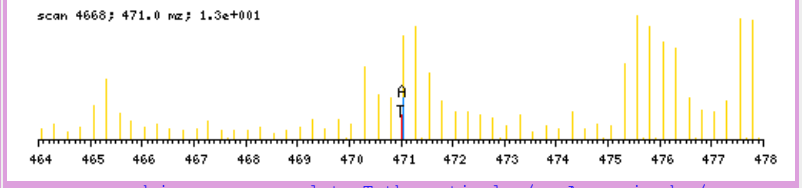
N-term:+29.04 K(3):+156.13
C(6):+160.03 K(14):+156.13

EVKVDCSEYLALSKR, MH+ 1881.0156, m/z 471.0093
L OS G17 P120811 220811-s1.04670.04670.4.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±]



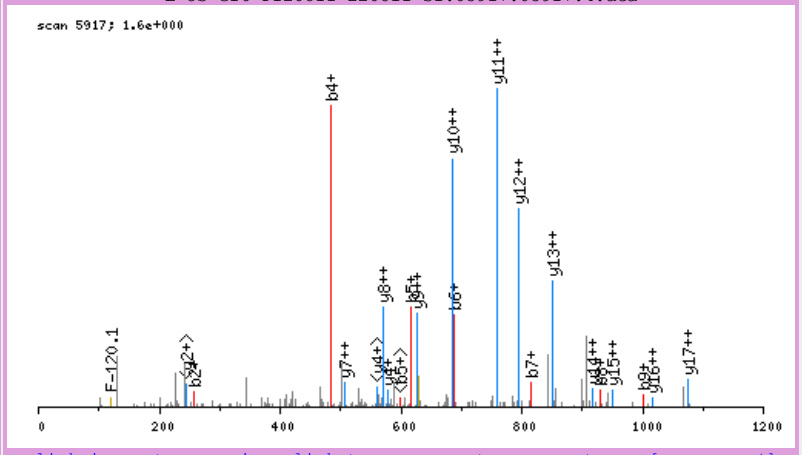
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

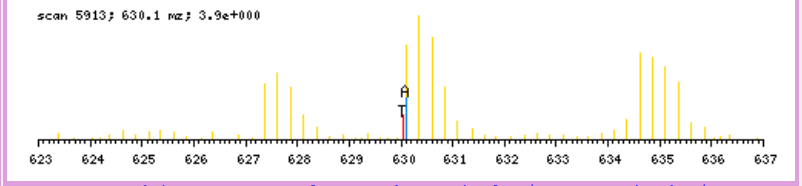
N-term:+29.04 K(3):+156.13
C(6):+160.03 K(14):+156.13

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 G16 P120811 220811-s1.05917.05917.4.dta



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

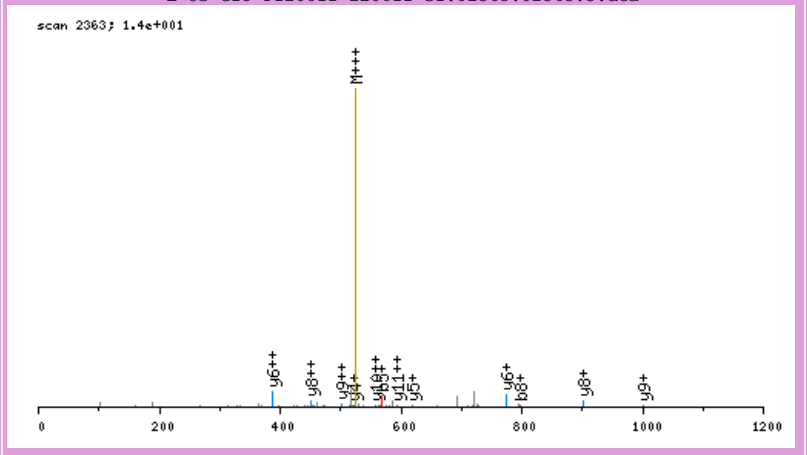


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

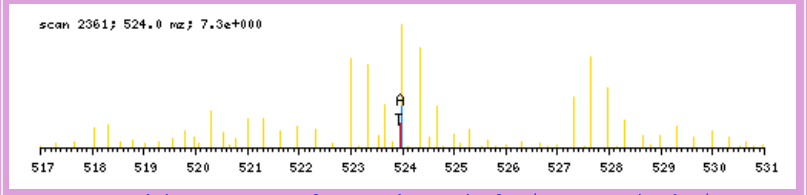
b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	20		
257.1501	2	V	19	2360.1267	1180.5672
370.2342	3	L	18	2261.0583	1131.0330
485.2611	4	D	17	2147.9742	1074.4910
616.3016	5	M	16	2032.9472	1016.9775
687.3387	6	A	15	1901.9068	951.4573
816.3813	7	E	14	1830.8696	915.9387
930.4242	8	N	13	1701.8271	851.4174
1001.4613	9	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

EVQALVAGKPNMTR, MH+ 1569.8787, m/z 523.9644
L OS G15 P120811 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

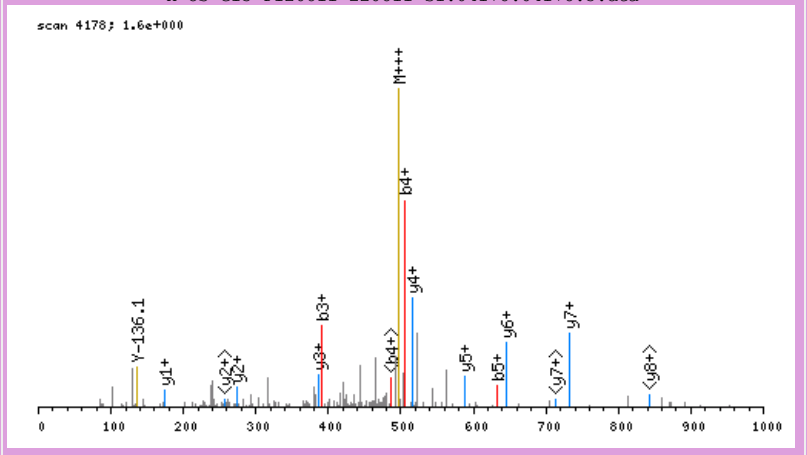
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	14		
257.1501	2	V	13	1412.8048	706.9063
385.2087	3	Q	12	1313.7364	657.3721
456.2458	4	A	11	1185.6778	**593.3428**
569.3299	5	L	10	1114.6407	**557.8243**
668.3983	6	V	9	**1001.5566**	**501.2822**
739.4354	7	A	8	**902.4882**	**451.7480**
796.4569	8	G	7	831.4511	416.2295
952.5832	9	K	6	**774.4297**	**387.7187**
1049.6359	10	P	5	**618.3034**	309.6556
1163.6788	11	N	4	**521.2506**	261.1292
1294.7193	12	M	3	407.2077	204.1077
1395.7670	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

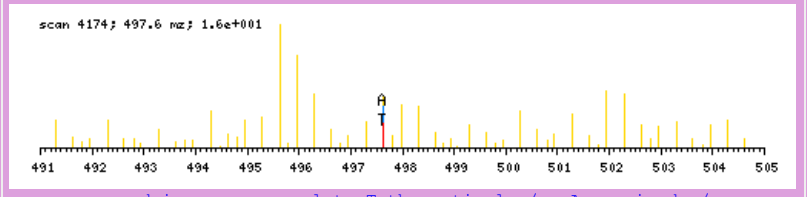
N-term:+29.04 K(9):+156.13

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

EVQLQQSGAELVR, MH+ 1490.8391, m/z 497.6179
H OS G13 P120811 220811-s1.04178.04178.3.dta



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

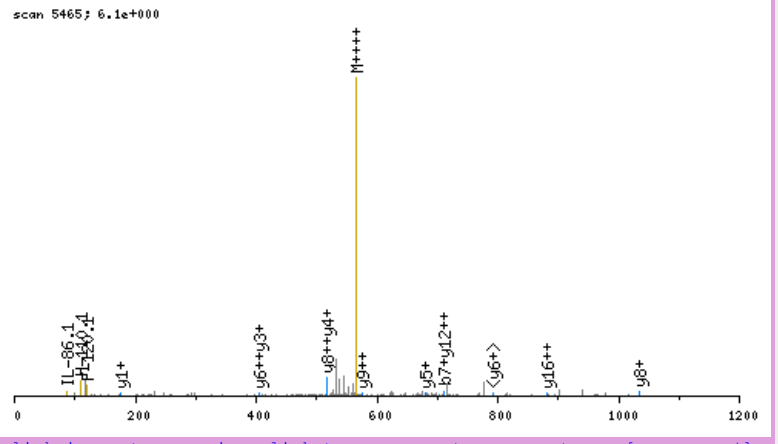


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

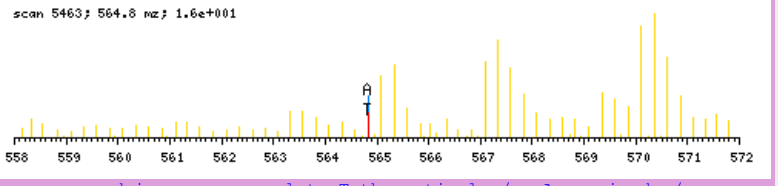
b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	13		
263.1819	2	V	12	1327.7334	664.3706
391.2405	3	Q	11	1228.6650	614.8364
504.3245	4	L	10	1100.6064	550.8071
632.3831	5	Q	9	987.5223	494.2651
760.4417	6	Q	8	859.4638	430.2358
847.4737	7	S	7	**731.4052**	366.2065
904.4952	8	G	6	**644.3731**	322.6905
975.5323	9	A	5	**587.3517**	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

EVYAAAAEVLGLILQYITER, MH+ 2256.2703, m/z 564.8230
H OS G17 P120811 220811-s1.05465.05465.4.dta



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



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

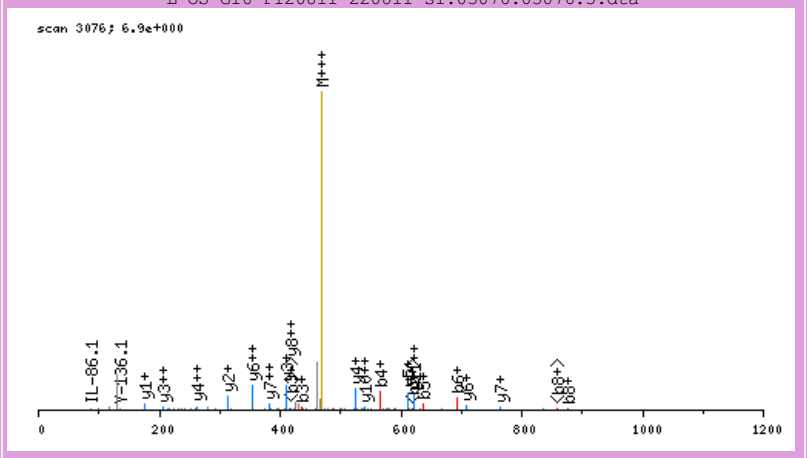
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
164.1135	1	E	20		
263.1819	2	V	19	2093.1647	1047.0862
426.2452	3	Y	18	1994.0963	997.5520
497.2823	4	A	17	1831.0329	916.0204
568.3195	5	A	16	1759.9958	**880.5018**
639.3566	6	A	15	1688.9587	844.9833
710.3937	7	A	14	1617.9216	809.4647
839.4363	8	E	13	1546.8845	773.9461
938.5047	9	V	12	1417.8419	**709.4249**
1051.5888	10	L	11	1318.7735	659.8906
1108.6102	11	G	10	1205.6894	603.3486
1221.6943	12	L	9	1148.6679	**574.8379**
1334.7784	13	I	8	**1035.5839**	**518.2958**
1447.8624	14	L	7	922.4998	461.7538
1575.9210	15	Q	6	809.4157	**405.2118**
1738.9843	16	Y	5	**681.3572**	341.1825
1852.0684	17	I	4	**518.2938**	259.6508
1953.1161	18	T	3	**405.2098**	203.1088
2082.1587	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

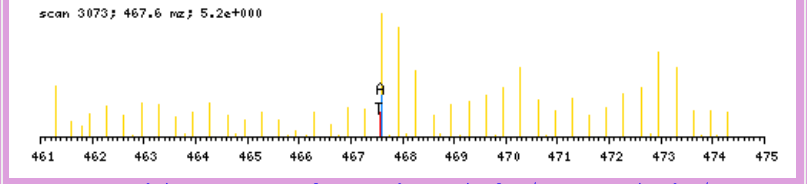
N-term:+35.07

EYDEAGPSIVHR, MH+ 1400.6810, m/z 467.5652
L OS G16 P120811 220811-s1.03076.03076.3.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±]



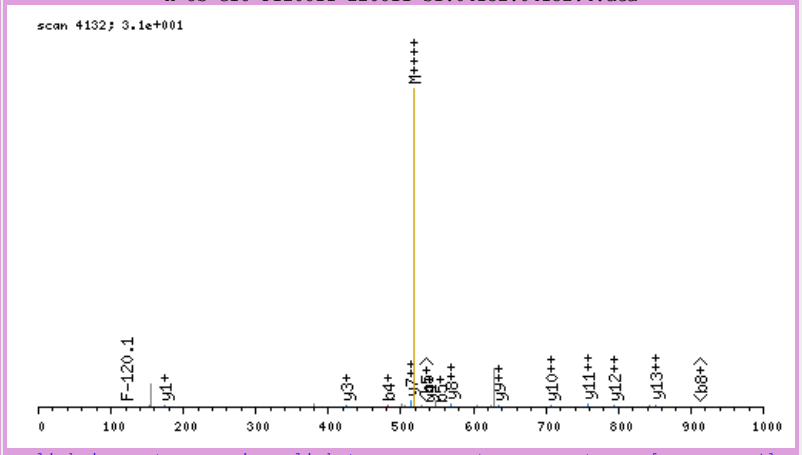
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
158.0817	1	E	12		
321.1450	2	Y	11	1243.6071	**622.3075**
436.1720	3	D	10	1080.5438	**540.7758**
565.2146	4	E	9	965.5169	483.2623
636.2517	5	A	8	836.4743	**418.7410**
693.2731	6	G	7	**765.4371**	**383.2225**
790.3259	7	P	6	**708.4157**	**354.7118**
877.3579	8	S	5	**611.3629**	306.1854
990.4420	9	I	4	**524.3309**	**262.6694**
1089.5104	10	V	3	**411.2468**	**206.1273**
1226.5693	11	H	2	**312.1784**	156.5931
	12	R	1	**175.1195**	88.0637

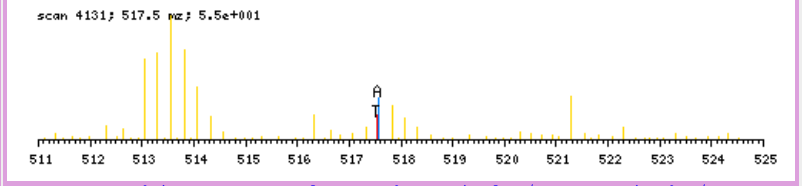
N-term:+29.04

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

FANDATFEIKKCDLHR, MH+ 2067.1546, m/z 517.5441
H OS G18 P120811 220811-s1.04132.04132.4.dta



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



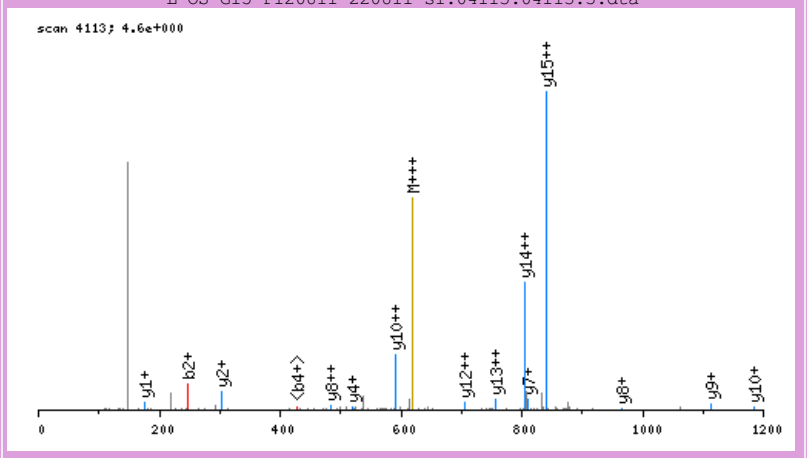
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	16		
253.1764	2	A	15	1886.0231	943.5154
367.2194	3	N	14	1814.9860	907.9969
482.2463	4	D	13	1700.9430	**850.9754**
553.2834	5	A	12	1585.9161	**793.4620**
654.3311	6	T	11	1514.8790	**757.9434**
801.3995	7	F	10	1413.8313	**707.4196**
930.4421	8	E	9	1266.7629	**633.8854**
1043.5262	9	I	8	1137.7203	**569.3641**
1205.6843	10	K	7	1024.6362	**512.8220**
1367.8424	11	K	6	862.4781	431.7430
1527.8730	12	C	5	700.3200	350.6639
1642.8999	13	D	4	**540.2894**	270.6486
1755.9840	14	L	3	**425.2625**	213.1352
1893.0429	15	H	2	312.1784	156.5931
	16	R	1	**175.1195**	88.0637

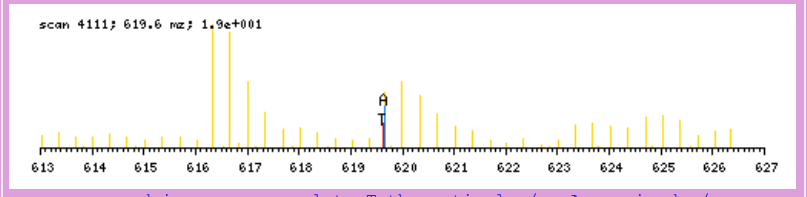
N-term:+35.07 K(10):+162.16
K(11):+162.16 C(12):+160.03

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

FAPTNDAFKGMTSEER, MH+ 1856.8853, m/z 619.6333
L OS G15 P120811 220811-s1.04113.04113.3.dta



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



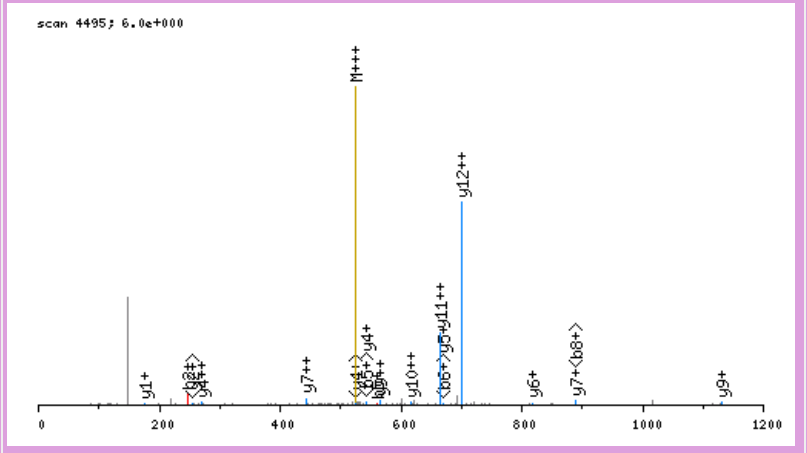
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
247.1446	2	A	15	1681.7856	**841.3967**
344.1974	3	P	14	1610.7485	**805.8782**
445.2451	4	T	13	1513.6957	**757.3518**
559.2880	5	N	12	1412.6480	**706.8279**
674.3149	6	D	11	1298.6051	649.8065
745.3521	7	A	10	**1183.5782**	**592.2930**
892.4205	8	F	9	**1112.5411**	556.7744
1048.5468	9	K	8	**965.4726**	**483.2402**
1105.5682	10	G	7	**809.3463**	405.1771
1236.6087	11	M	6	752.3249	376.6664
1337.6564	12	T	5	621.2844	311.1461
1424.6884	13	S	4	**520.2367**	260.6223
1553.7310	14	E	3	433.2047	217.1063
1682.7736	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

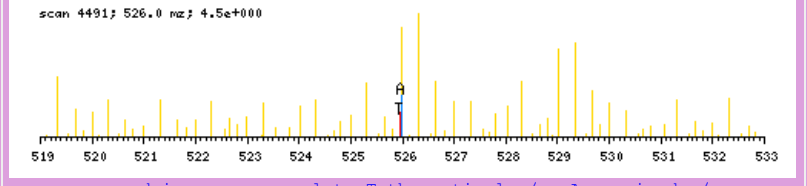
N-term:+29.04 K(9):+156.13

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

FAPTNEAFEKLPR, MH+ 1575.8535, m/z 525.9560
L OS G15 P120811 220811-s1.04495.04495.3.dta



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



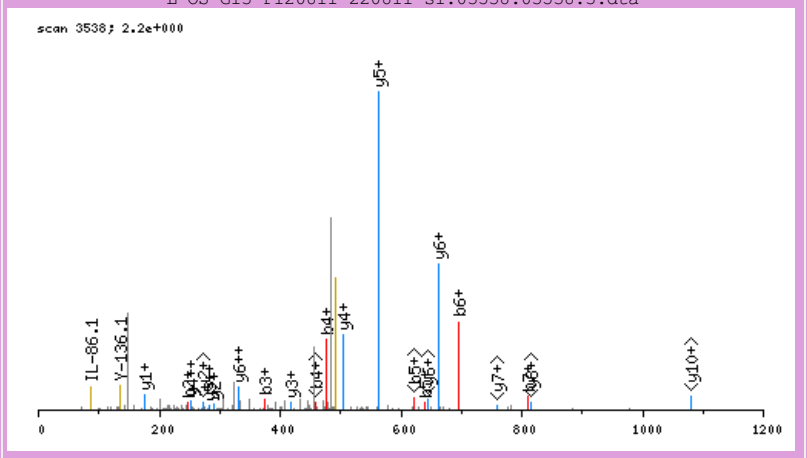
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
247.1446	2	A	12	1400.7538	**700.8808**
344.1974	3	P	11	1329.7167	**665.3623**
445.2451	4	T	10	1232.6639	**616.8359**
559.2880	5	N	9	**1131.6163**	**566.3120**
688.3306	6	E	8	1017.5733	509.2906
759.3677	7	A	7	**888.5307**	**444.7693**
906.4361	8	F	6	**817.4936**	409.2507
1035.4787	9	E	5	**670.4252**	335.7165
1191.6050	10	K	4	**541.3826**	**271.1952**
1304.6891	11	L	3	385.2563	193.1321
1401.7418	12	P	2	272.1723	136.5900
	13	R	1	**175.1195**	88.0637

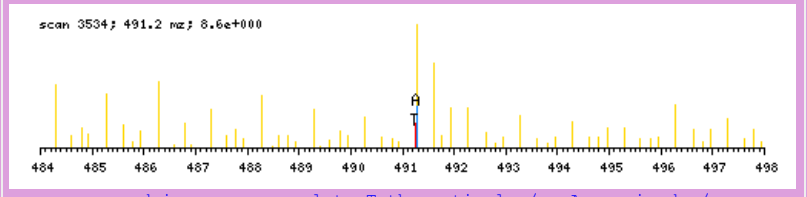
N-term:+29.04 K(10):+156.13

FAQTYGLTGSQDR, MH+ 1471.7181, m/z 491.2442
L OS G13 P120811 220811-s1.03538.03538.3.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±]



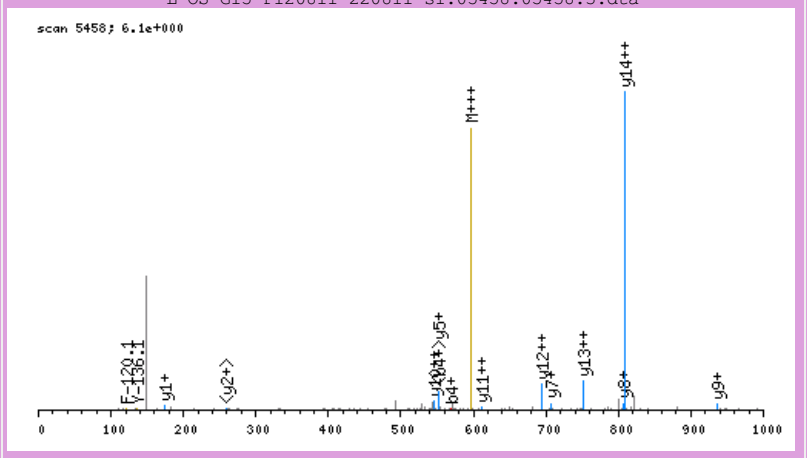
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
247.1446	2	A	12	1296.6184	648.8131
375.2032	3	Q	11	1225.5813	613.2946
476.2509	4	T	10	1097.5227	549.2653
639.3142	5	Y	9	996.4750	498.7414
696.3357	6	G	8	833.4117	417.2098
809.4197	7	L	7	776.3903	388.6990
910.4674	8	T	6	**663.3062**	**332.1570**
967.4889	9	G	5	**562.2585**	**281.6332**
1054.5209	10	S	4	**505.2370**	**253.1224**
1182.5795	11	Q	3	**418.2050**	209.6064
1297.6064	12	D	2	**290.1464**	145.5771
	13	R	1	**175.1195**	88.0637

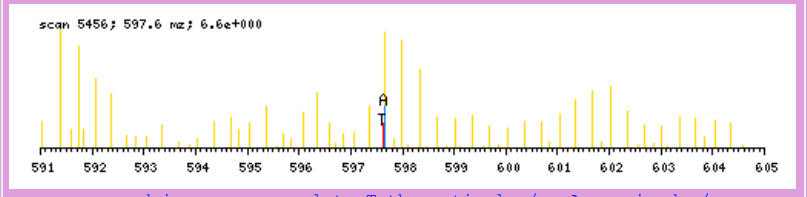
N-term:+29.04

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

FDDYMKEVGVGFATR, MH+ 1790.8787, m/z 597.6311
L OS G15 P120811 220811-s1.05458.05458.3.dta



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



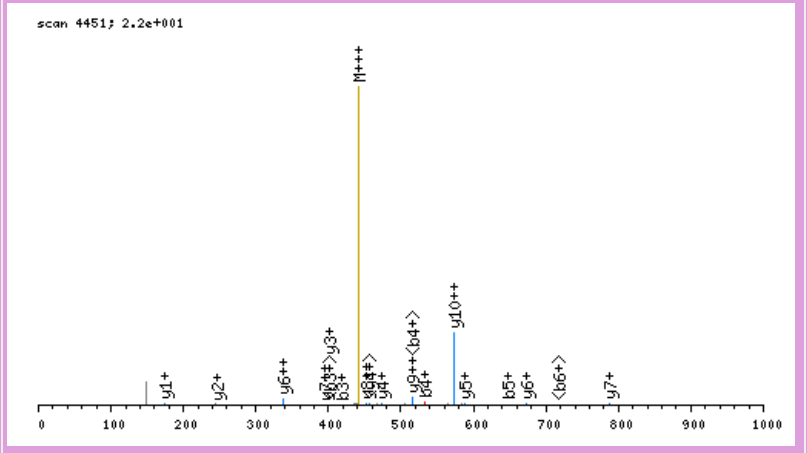
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
291.1345	2	D	14	1615.7791	**808.3934**
406.1614	3	D	13	1500.7521	**750.8800**
569.2247	4	Y	12	1385.7252	**693.3665**
700.2652	5	M	11	1222.6618	**611.8348**
856.3915	6	K	10	1091.6214	**546.3146**
985.4341	7	E	9	**935.4951**	468.2514
1084.5025	8	V	8	**806.4525**	403.7301
1141.5240	9	G	7	**707.3840**	354.1959
1240.5924	10	V	6	650.3626	325.6852
1297.6139	11	G	5	**551.2942**	276.1510
1444.6823	12	F	4	494.2727	247.6403
1515.7194	13	A	3	347.2043	174.1061
1616.7671	14	T	2	276.1672	138.5875
	15	R	1	**175.1195**	88.0637

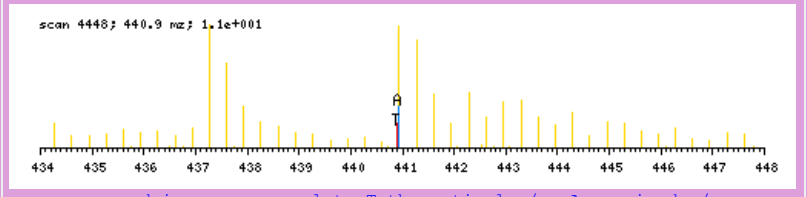
N-term:+29.04 K(6):+156.13

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

FDELDSIAKAR, MH+ 1320.7164, m/z 440.9103
L OS G16 P120811 220811-s1.04451.04451.3.dta



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



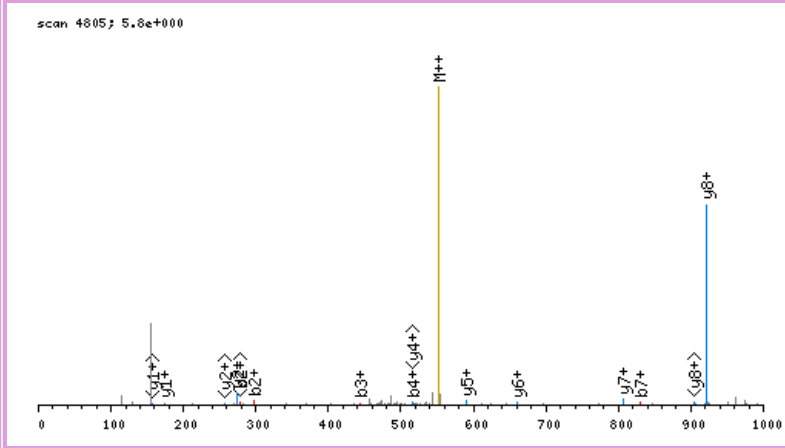
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	11		
291.1345	2	D	10	1145.6167	**573.3122**
420.1771	3	E	9	1030.5897	**515.7988**
533.2611	4	L	8	901.5471	**451.2775**
648.2881	5	D	7	**788.4631**	**394.7354**
735.3201	6	S	6	**673.4361**	**337.2220**
848.4041	7	I	5	**586.4041**	293.7060
919.4413	8	A	4	**473.3200**	237.1639
1075.5676	9	K	3	**402.2829**	201.6454
1146.6047	10	A	2	**246.1566**	123.5822
	11	R	1	**175.1195**	88.0637

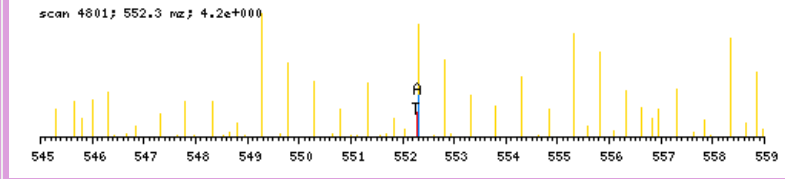
N-term:+29.04 K(9):+156.13

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

FDFAGEEVR, MH+ 1103.5585, m/z 552.2829
H OS G14 P120811 220811-s1.04805.04805.2.dta



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



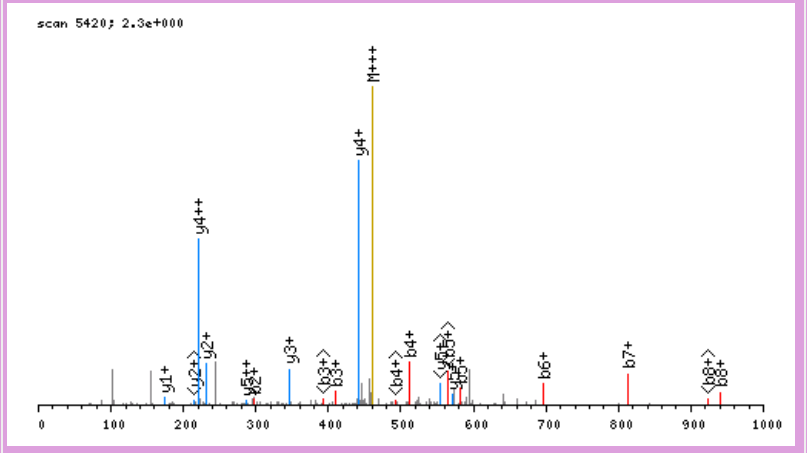
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	9		
297.1663	2	D	8	922.4270	461.7174
444.2347	3	F	7	807.4001	404.2040
515.2718	4	A	6	660.3317	330.6698
572.2932	5	G	5	589.2946	295.1512
701.3358	6	E	4	532.2731	266.6405
830.3784	7	E	3	403.2305	202.1192
929.4468	8	V	2	274.1879	137.5979
	9	R	1	175.1195	88.0637

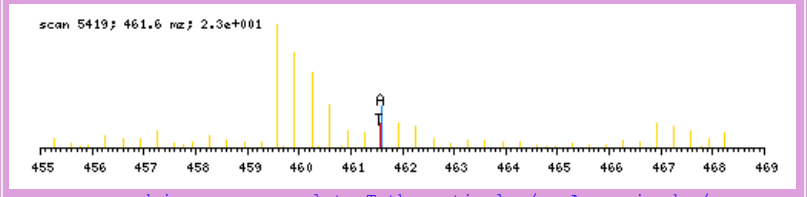
N-term:+35.07

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

FDITADDEPLGR, MH+ 1382.7016, m/z 461.5720
H OS G13 P120811 220811-s1.05420.05420.3.dta



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



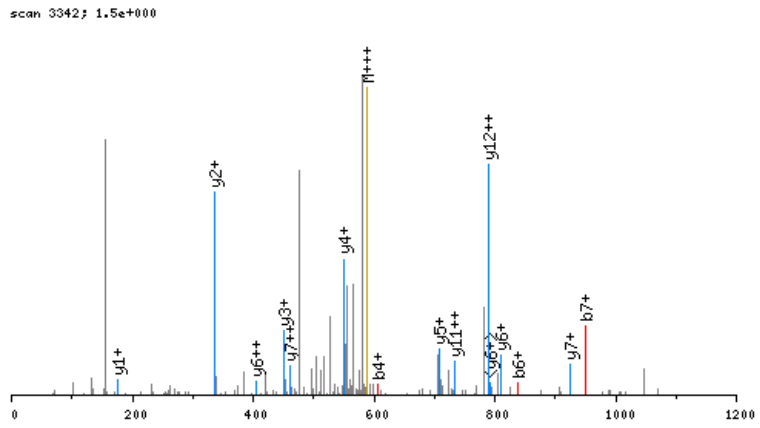
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	12		
297.1663	2	D	11	1201.5701	601.2889
410.2503	3	I	10	1086.5431	543.7755
511.2980	4	T	9	973.4591	487.2334
582.3351	5	A	8	872.4114	436.7096
697.3621	6	D	7	801.3743	401.1910
812.3890	7	D	6	686.3473	343.6776
941.4316	8	E	5	571.3204	286.1641
1038.4844	9	P	4	442.2778	221.6428
1151.5684	10	L	3	345.2250	173.1164
1208.5899	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

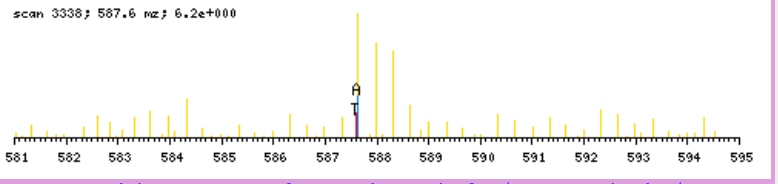
N-term:+35.07

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

FDKFCANTCVDCR, MH+ 1760.8193, m/z 587.6113
H OS G16 P120811 220811-s1.03342.03342.3.dta



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



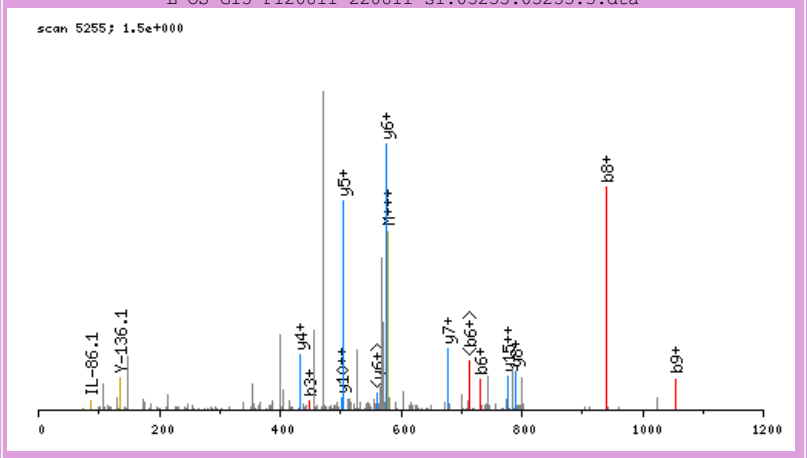
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	13		
297.1663	2	D	12	1579.6878	**790.3478**
459.3244	3	K	11	1464.6609	**732.8344**
606.3928	4	F	10	1302.5028	651.7553
766.4234	5	C	9	1155.4344	578.2211
837.4605	6	A	8	995.4038	498.2058
951.5034	7	N	7	**924.3667**	**462.6872**
1052.5511	8	T	6	**810.3237**	**405.6658**
1212.5817	9	C	5	**709.2761**	355.1419
1311.6501	10	V	4	**549.2455**	275.1266
1426.6770	11	D	3	**450.1770**	225.5924
1586.7076	12	C	2	**335.1501**	168.0790
	13	R	1	**175.1195**	88.0637

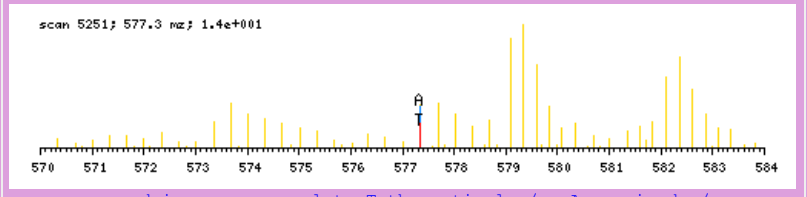
N-term:+35.07 K(3):+162.16
C(5):+160.03 C(9):+160.03
C(12):+160.03

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

FDKPVSPLLTAAGMAR, MH+ 1729.9675, m/z 577.3274
L_OS_G15_P120811_220811-s1.05255.05255.3.dta



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

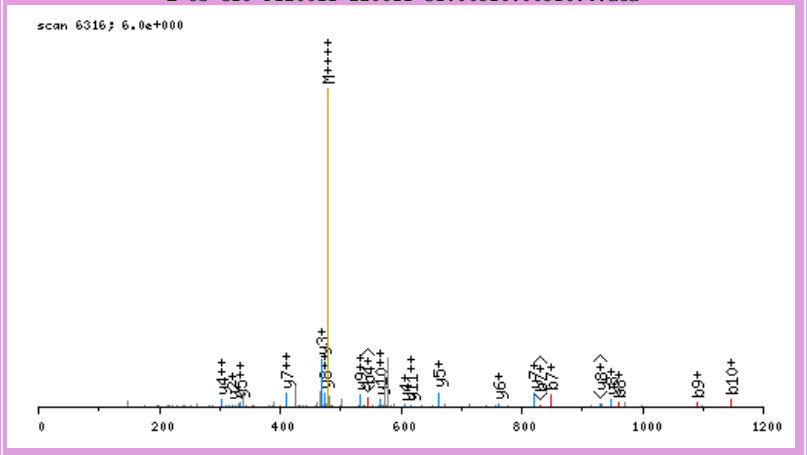


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

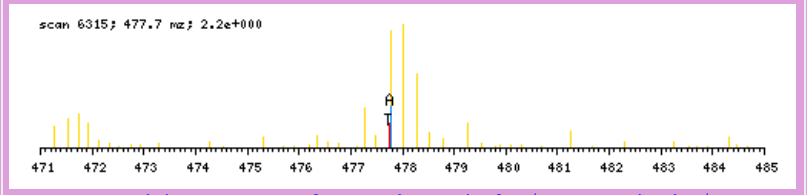
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
291.1345	2	D	15	1554.8678	**777.9378**
447.2608	3	K	14	1439.8409	720.4243
544.3135	4	P	13	1283.7146	642.3612
643.3819	5	V	12	1186.6618	593.8348
730.4140	6	S	11	1087.5934	544.3006
827.4667	7	P	10	1000.5614	**500.7846**
940.5508	8	L	9	903.5086	452.2582
1053.6349	9	L	8	**790.4245**	395.7162
1154.6825	10	T	7	**677.3405**	339.1741
1225.7196	11	A	6	**576.2928**	288.6503
1296.7568	12	A	5	**505.2557**	253.1318
1353.7782	13	G	4	**434.2186**	217.6132
1484.8187	14	M	3	377.1971	189.1025
1555.8558	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

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

FDRDDVALEGVGHFFR, MH+ 1907.9404, m/z 477.7406
L OS G18 P120811 220811-s1.06316.06316.4.dta



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



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

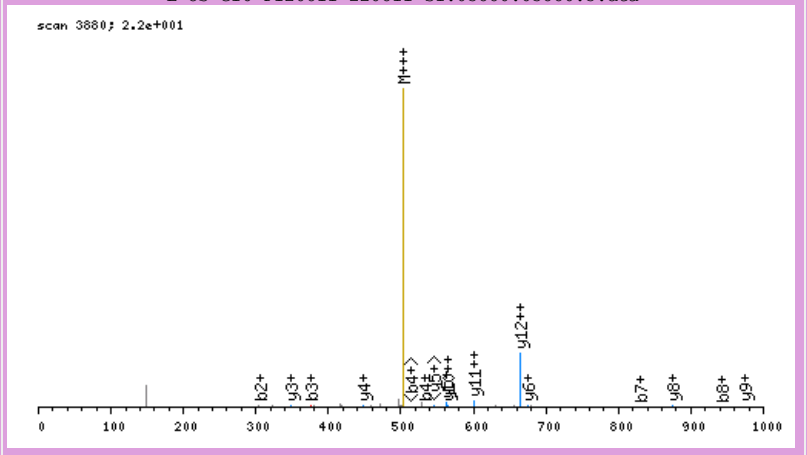
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
291.1345	2	D	15	1732.8407	866.9243
447.2356	3	R	14	1617.8138	809.4108
562.2625	4	D	13	1461.7127	731.3602
677.2895	5	D	12	1346.6857	673.8468
776.3579	6	V	11	1231.6588	**616.3333**
847.3950	7	A	10	1132.5904	**566.7991**
960.4790	8	L	9	1061.5532	**531.2805**
1089.5216	9	E	8	**948.4692**	**474.7385**
1146.5431	10	G	7	**819.4266**	**410.2172**
1245.6115	11	V	6	**762.4051**	381.7065
1302.6330	12	G	5	**663.3367**	**332.1723**
1439.6919	13	H	4	**606.3152**	**303.6615**
1586.7603	14	F	3	**469.2563**	235.1321
1733.8287	15	F	2	**322.1879**	161.5979
	16	R	1	175.1195	88.0637

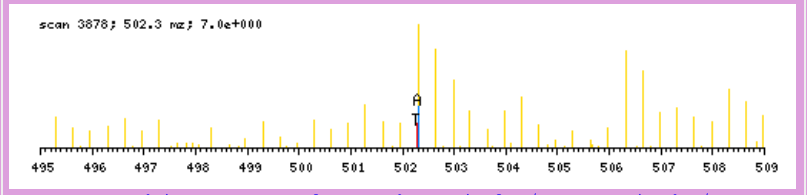
N-term:+29.04

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

FEAKVQAINVSSR, MH+ 1504.8488, m/z 502.2878
L OS G16 P120811 220811-s1.03880.03880.3.dta



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



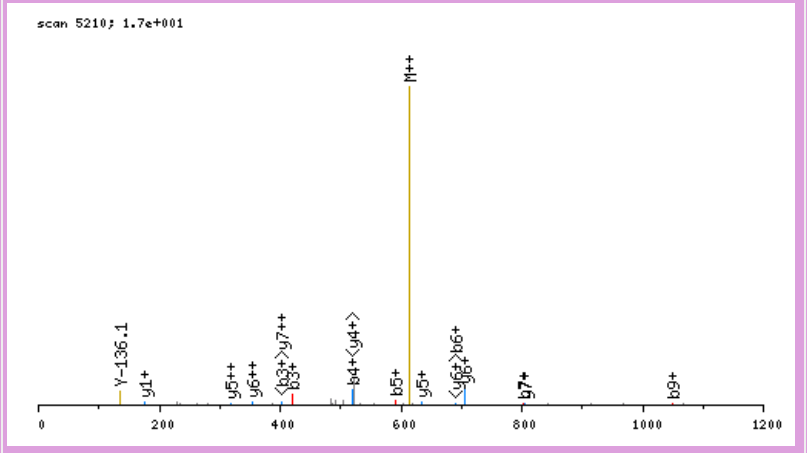
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
305.1501	2	E	12	1329.7491	**665.3785**
376.1872	3	A	11	1200.7065	**600.8572**
532.3135	4	K	10	1129.6694	**565.3386**
631.3819	5	V	9	**973.5431**	487.2754
759.4405	6	Q	8	**874.4747**	437.7412
830.4776	7	A	7	746.4161	373.7120
943.5617	8	I	6	**675.3790**	338.1934
1057.6046	9	N	5	**562.2949**	281.6514
1156.6730	10	V	4	**448.2520**	224.6299
1243.7051	11	S	3	**349.1836**	175.0957
1330.7371	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

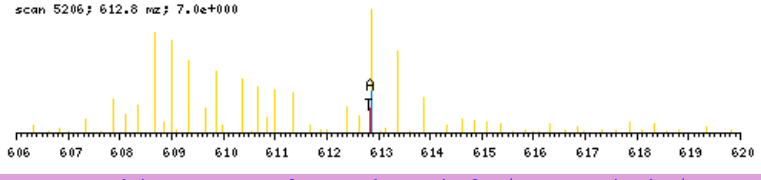
N-term:+29.04 K(4):+156.13

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

FEDVAVLFTR, MH+ 1224.6628, m/z 612.8351
L OS G14 P120811 220811-s1.05210.05210.2.dta



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



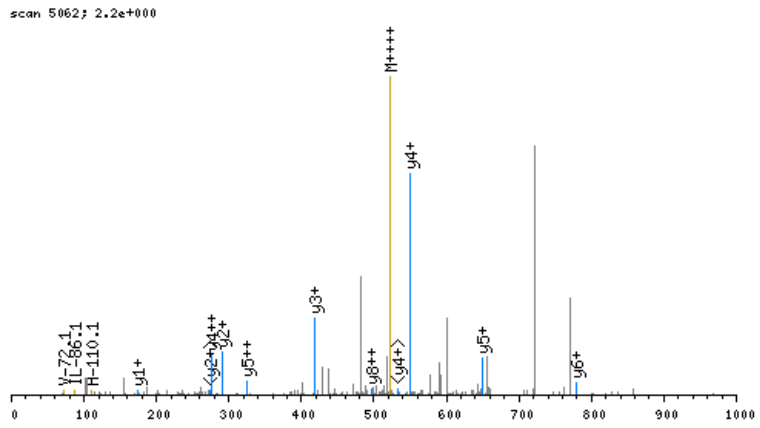
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	10		
305.1501	2	E	9	1049.5631	525.2855
420.1771	3	D	8	920.5205	460.7642
519.2455	4	V	7	805.4936	403.2507
590.2826	5	A	6	706.4252	353.7165
689.3510	6	V	5	635.3881	318.1979
802.4351	7	L	4	536.3197	268.6637
949.5035	8	F	3	423.2356	212.1217
1050.5511	9	T	2	276.1672	138.5875
	10	R	1	175.1195	88.0637

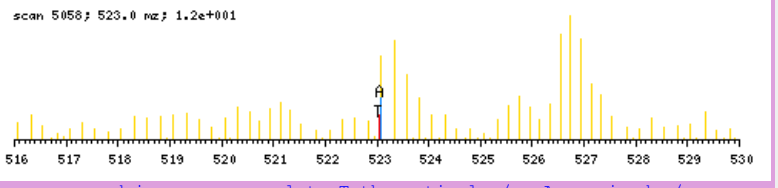
N-term:+29.04

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

FEKYGKIETIEVMEDR, MH+ 2089.1740, m/z 523.0490
H OS G17 P120811 220811-s1.05062.05062.4.dta



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



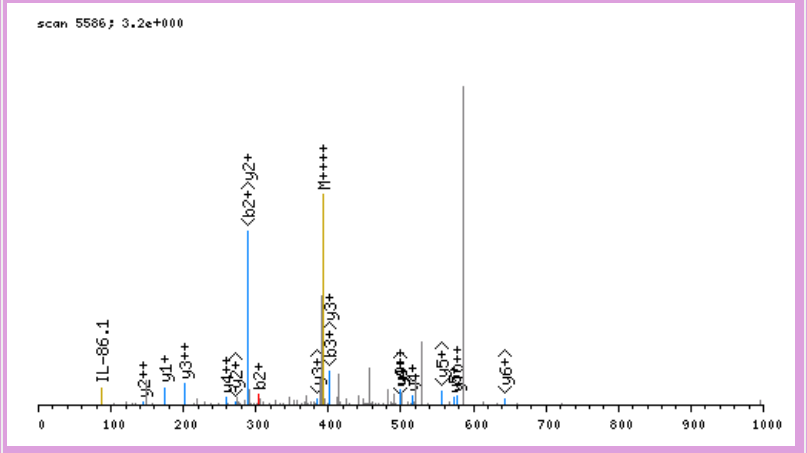
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	16		
311.1819	2	E	15	1908.0425	954.5252
473.3400	3	K	14	1778.9999	890.0039
636.4033	4	Y	13	1616.8418	808.9248
693.4248	5	G	12	1453.7785	727.3932
855.5829	6	K	11	1396.7570	698.8824
968.6670	7	I	10	1234.5989	617.8034
1097.7096	8	E	9	1121.5149	561.2613
1198.7572	9	T	8	992.4723	**496.7400**
1311.8413	10	I	7	891.4246	446.2162
1440.8839	11	E	6	**778.3405**	389.6742
1539.9523	12	V	5	**649.2979**	**325.1529**
1670.9928	13	M	4	**550.2295**	**275.6187**
1800.0354	14	E	3	**419.1890**	210.0984
1915.0623	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

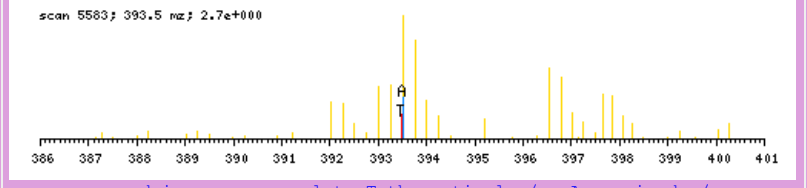
N-term:+35.07 K(3):+162.16
K(6):+162.16

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

FELKHLSSGDLLR, MH+ 1570.8957, m/z 393.4794
L OS G17 P120811 220811-s1.05586.05586.4.dta



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

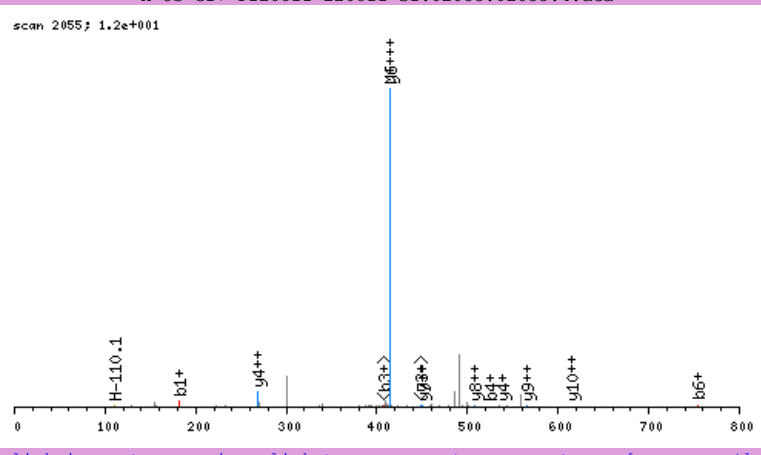


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

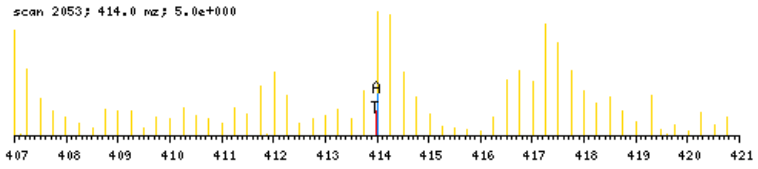
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
305.1501	2	E	12	1395.7960	698.4019
418.2342	3	L	11	1266.7534	633.8806
574.3605	4	K	10	1153.6694	**577.3386**
711.4194	5	H	9	997.5431	**499.2754**
824.5034	6	L	8	860.4842	430.7460
911.5355	7	S	7	747.4001	374.2040
998.5675	8	S	6	660.3681	330.6879
1055.5890	9	G	5	**573.3360**	287.1719
1170.6159	10	D	4	**516.3146**	**258.6612**
1283.7000	11	L	3	**401.2876**	**201.1477**
1396.7840	12	L	2	**288.2036**	**144.6057**
	13	R	1	**175.1195**	88.0637

N-term:+29.04 K(4):+156.13

FENVDDAKEAKER, MH+ 1652.9344, m/z 413.9891
H OS G17 P120811 220811-s1.02055.02055.4.dta



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



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

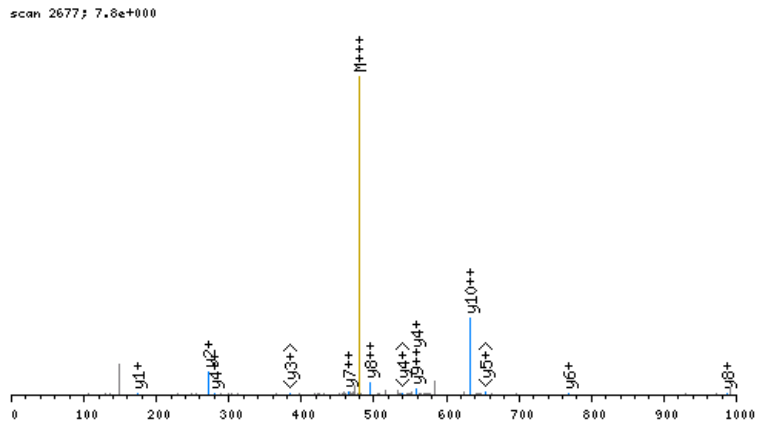
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
182.1393	**1**	**F**	**13**		
311.1819	**2**	**E**	**12**	1471.8029	736.4054
425.2248	**3**	**N**	**11**	1342.7603	671.8841
524.2932	**4**	**V**	**10**	1228.7174	**614.8626**
639.3202	**5**	**D**	**9**	1129.6490	**565.3284**
754.3471	**6**	**D**	**8**	1014.6221	**507.8149**
825.3842	**7**	**A**	**7**	899.5951	**450.3015**
987.5423	**8**	**K**	**6**	828.5580	**414.7829**
1116.5849	**9**	**E**	**5**	666.3999	333.7039
1187.6221	**10**	**A**	**4**	**537.3573**	**269.1826**
1349.7802	**11**	**K**	**3**	466.3202	233.6640
1478.8227	**12**	**E**	**2**	304.1621	152.5850
	13	**R**	**1**	175.1195	88.0637

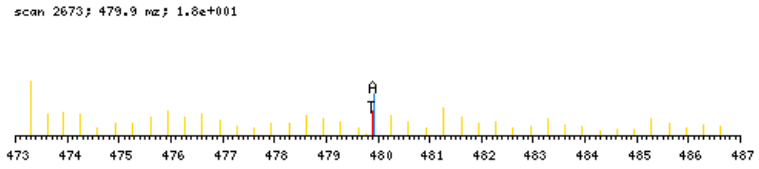
N-term:+35.07 K(8):+162.16
K(11):+162.16

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

FFEGCPDKEPR, MH+ 1437.6836, m/z 479.8994
L OS G16 P120811 220811-s1.02677.02677.3.dta



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

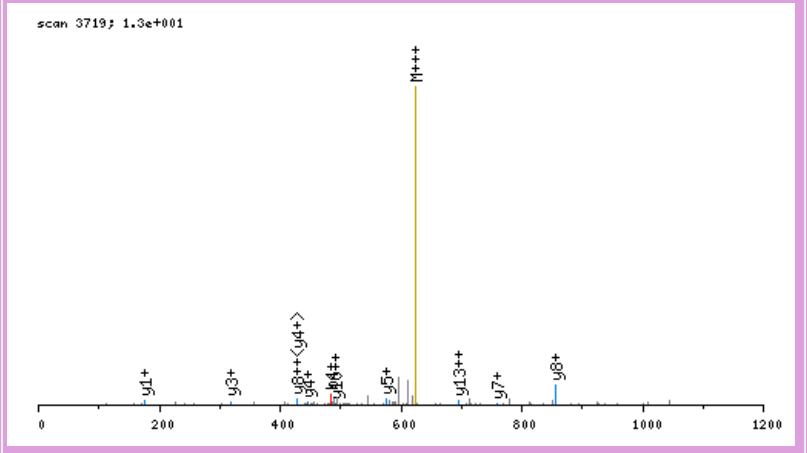


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

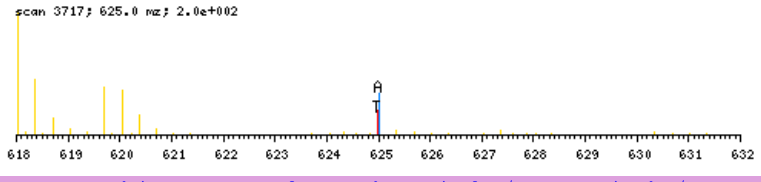
b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	11		
323.1759	2	F	10	1262.5839	**631.7959**
452.2185	3	E	9	1115.5155	**558.2617**
509.2400	4	G	8	**986.4729**	**493.7404**
669.2706	5	C	7	929.4515	**465.2296**
766.3233	6	P	6	**769.4209**	385.2143
881.3503	7	D	5	672.3681	336.6880
1037.4766	8	K	4	**557.3412**	**279.1745**
1166.5192	9	E	3	401.2149	201.1113
1263.5719	10	P	2	**272.1723**	136.5900
	11	R	1	**175.1195**	88.0637

N-term:+29.04 C(5):+160.03
K(8):+156.13

FGDEKEDAGPGQQEAAR, MH+ 1872.9364, m/z 624.9837
H OS G12 P120811 220811-s1.03719.03719.3.dta



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



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

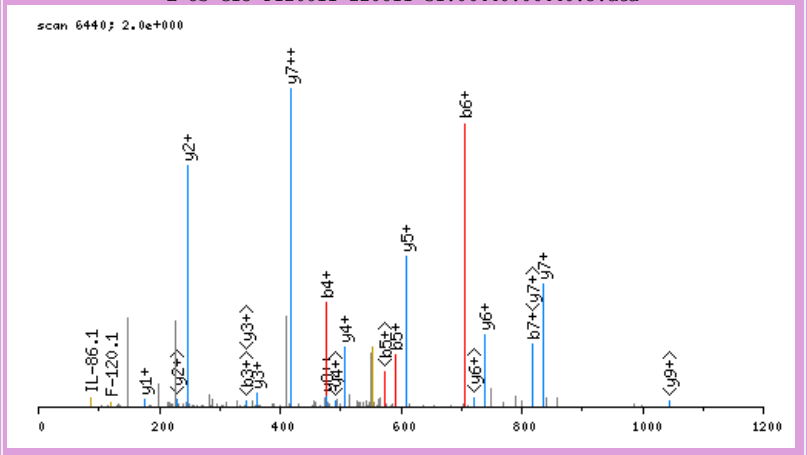
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	17		
239.1608	2	G	16	1691.8049	846.4064
354.1877	3	D	15	1634.7835	817.8956
483.2303	4	E	14	1519.7565	760.3822
645.3884	5	K	13	1390.7139	**695.8609**
774.4310	6	E	12	1228.5558	614.7818
889.4580	7	D	11	1099.5132	550.2605
960.4951	8	A	10	984.4863	**492.7471**
1017.5165	9	G	9	913.4492	457.2285
1114.5693	10	P	8	**856.4277**	**428.7178**
1171.5908	11	G	7	**759.3749**	380.1914
1299.6493	12	Q	6	702.3535	351.6807
1427.7079	13	Q	5	**574.2949**	287.6514
1556.7505	14	E	4	**446.2363**	223.6221
1627.7876	15	A	3	**317.1937**	159.1008
1698.8247	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

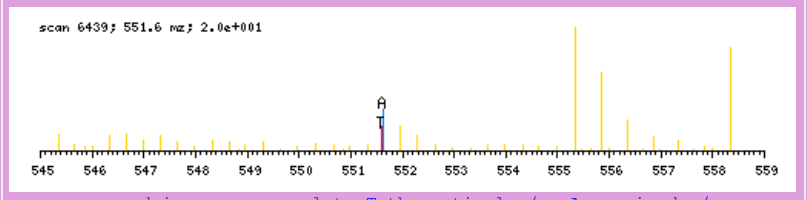
N-term:+35.07 K(5):+162.16

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

FGEDIDLPETFDAR, MH+ 1652.7808, m/z 551.5984
L OS G13 P120811 220811-s1.06440.06440.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



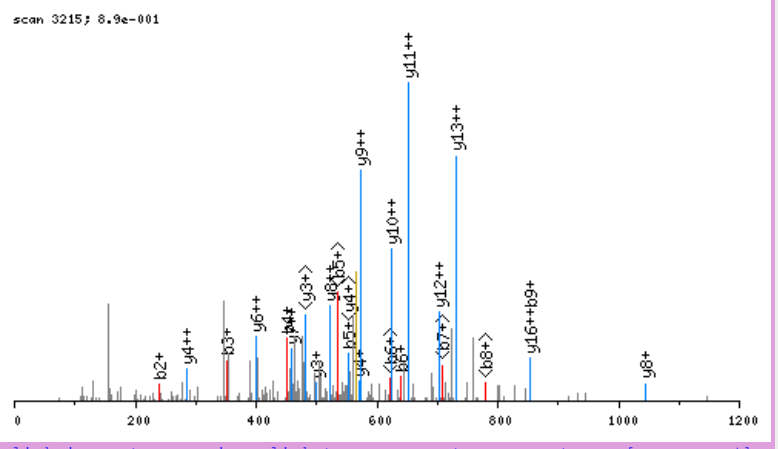
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
233.1290	2	G	13	1477.6811	739.3445
362.1716	3	E	12	1420.6596	710.8337
477.1985	4	D	11	1291.6170	646.3124
590.2826	5	I	10	1176.5901	588.7990
705.3095	6	D	9	1063.5060	532.2569
818.3936	7	L	8	948.4791	**474.7434**
915.4463	8	P	7	**835.3950**	**418.2014**
1044.4889	9	E	6	**738.3422**	369.6750
1145.5366	10	T	5	**609.2997**	305.1537
1292.6050	11	F	4	**508.2520**	254.6299
1407.6320	12	D	3	**361.1836**	181.0957
1478.6691	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

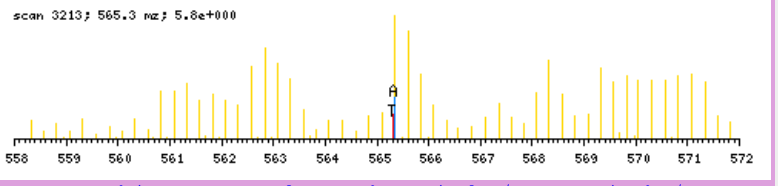
N-term:+29.04

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

FGIVTSSAGTGTTEDTEAKKR, MH+ 2258.2729, m/z 565.3237
H OS G17 P120811 220811-s1.03215.03215.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



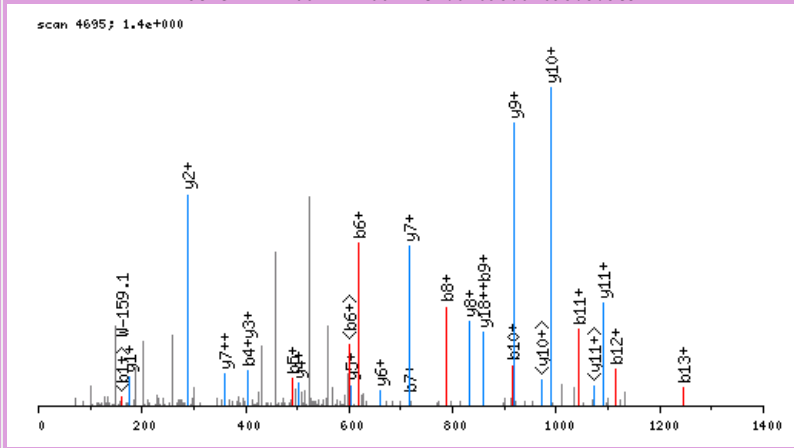
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	21		
239.1608	2	G	20	2077.1414	1039.0746
352.2448	3	I	19	2020.1199	1010.5639
451.3133	4	V	18	1907.0358	954.0218
552.3609	5	T	17	1807.9674	904.4876
639.3930	6	S	16	1706.9198	**853.9638**
726.4250	7	S	15	1619.8877	810.4478
797.4621	8	A	14	1532.8557	766.9318
854.4836	9	G	13	1461.8186	**731.4132**
955.5312	10	T	12	1404.7971	**702.9025**
1012.5527	11	G	11	1303.7494	**652.3786**
1113.6004	12	T	10	1246.7280	**623.8679**
1214.6481	13	T	9	1145.6803	**573.3441**
1343.6907	14	E	8	**1044.6326**	**522.8202**
1458.7176	15	D	7	915.5900	**458.2989**
1559.7653	16	T	6	800.5631	**400.7855**
1688.8079	17	E	5	699.5154	350.2616
1759.8450	18	A	4	**570.4728**	**285.7403**
1922.0031	19	K	3	**499.4357**	250.2218
2084.1612	20	K	2	337.2776	169.1427
	21	R	1	175.1195	88.0637

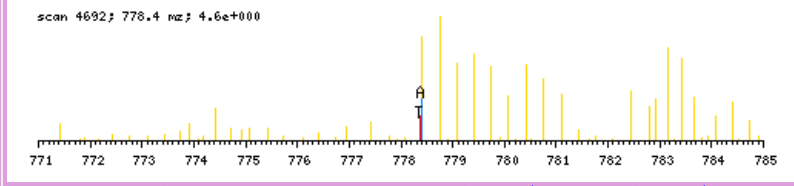
N-term:+35.07 K(19):+162.16
K(20):+162.16

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

FGLGSEPAAGEAEVASDGGTVDLR, MH+ 2333.1261, m/z 778.3802
L OS G12 P120811 220811-s1.04695.04695.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



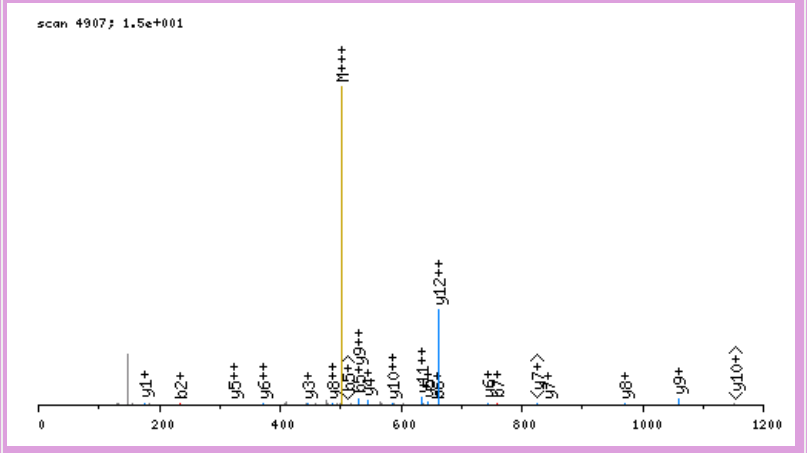
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	24		
233.1290	2	G	23	2158.0264	1079.5171
346.2130	3	L	22	2101.0049	1051.0064
403.2345	4	G	21	1987.9209	994.4643
490.2665	5	S	20	1930.8994	965.9536
619.3091	6	E	19	1843.8674	922.4376
716.3619	7	P	18	1714.8248	**857.9163**
787.3990	8	A	17	1617.7720	809.3899
858.4361	9	A	16	1546.7349	773.8714
915.4576	10	G	15	1475.6978	738.3528
1044.5002	11	E	14	1418.6763	709.8421
1115.5373	12	A	13	1289.6337	645.3208
1244.5799	13	E	12	1218.5966	609.8022
1343.6483	14	V	11	**1089.5540**	545.2809
1414.6854	15	A	10	**990.4856**	495.7467
1501.7174	16	S	9	**919.4485**	460.2282
1616.7444	17	D	8	**832.4165**	416.7121
1673.7658	18	G	7	**717.3895**	**359.1987**
1730.7873	19	G	6	**660.3681**	330.6879
1831.8350	20	T	5	**603.3466**	302.1772
1930.9034	21	V	4	**502.2989**	251.6534
2045.9303	22	D	3	**403.2305**	202.1192
2159.0144	23	L	2	**288.2036**	144.6057
	24	R	1	**175.1195**	88.0637

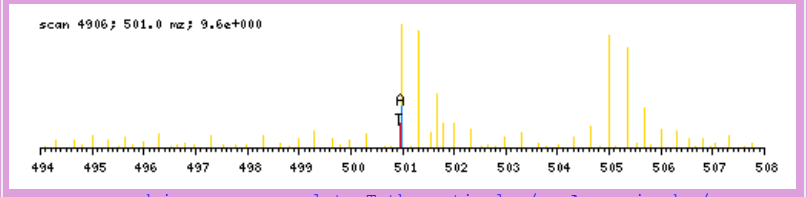
N-term:+29.04

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

FGPISEVVVVKDR, MH+ 1500.8790, m/z 500.9645
L OS G15 P120811 220811-s1.04907.04907.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



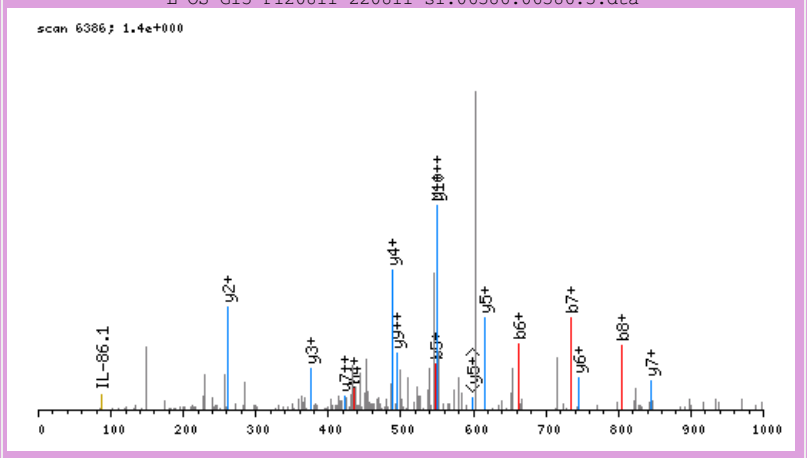
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

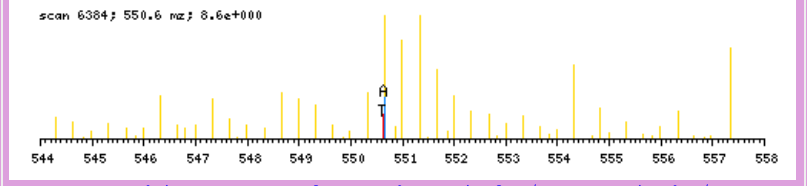
N-term:+29.04 K(11):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

FGSDLDAATQQLLSR, MH+ 1649.8498, m/z 550.6215
L OS G13 P120811 220811-s1.06386.06386.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



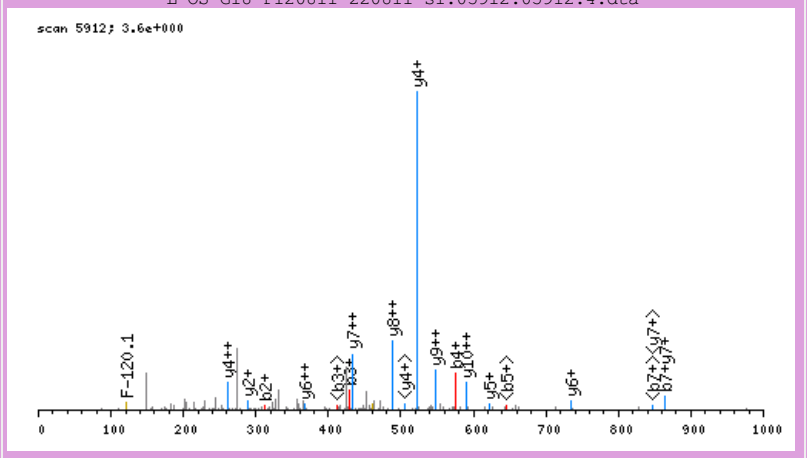
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
233.1290	2	G	14	1474.7502	737.8790
320.1610	3	S	13	1417.7287	709.3683
435.1879	4	D	12	1330.6967	665.8522
548.2720	5	L	11	1215.6697	608.3388
663.2990	6	D	10	1102.5857	**551.7967**
734.3361	7	A	9	987.5587	**494.2833**
805.3732	8	A	8	916.5216	458.7647
906.4209	9	T	7	**845.4845**	**423.2462**
1034.4794	10	Q	6	**744.4368**	372.7223
1162.5380	11	Q	5	**616.3782**	308.6930
1275.6221	12	L	4	**488.3197**	244.6637
1388.7061	13	L	3	**375.2356**	188.1217
1475.7382	14	S	2	**262.1515**	131.5797
	15	R	1	175.1195	88.0637

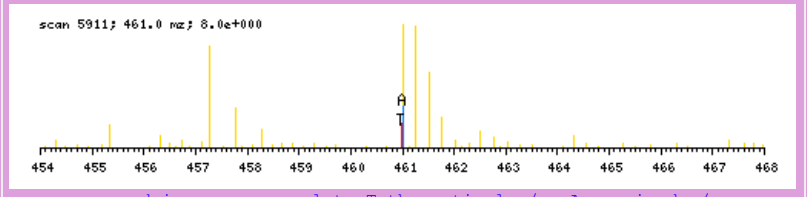
N-term:+29.04

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

FHDFSSDLENVPHLR, MH+ 1840.8982, m/z 460.9800
L OS G18 P120811 220811-s1.05912.05912.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



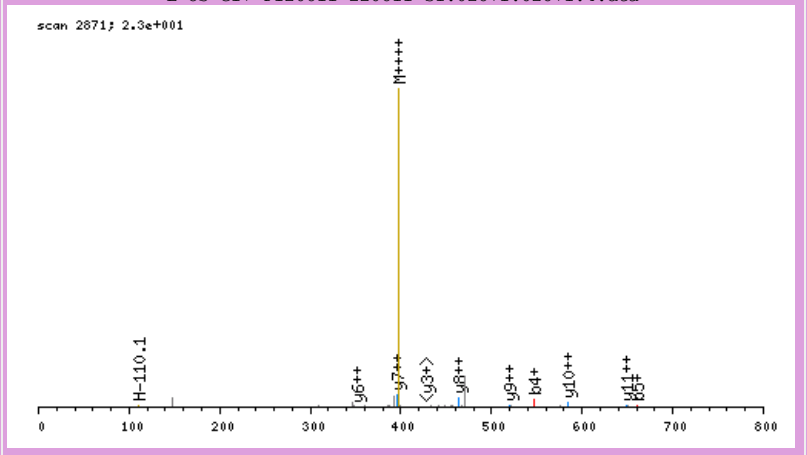
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
313.1664	2	H	14	1665.7985	833.4032
428.1934	3	D	13	1528.7396	764.8737
575.2618	4	F	12	1413.7127	707.3602
662.2938	5	S	11	1266.6442	633.8260
749.3258	6	S	10	1179.6122	**590.3100**
864.3528	7	D	9	1092.5802	**546.7940**
977.4368	8	L	8	977.5532	**489.2805**
1106.4794	9	E	7	**864.4692**	**432.7385**
1220.5224	10	N	6	**735.4266**	**368.2172**
1319.5908	11	V	5	**621.3837**	311.1957
1416.6435	12	P	4	**522.3152**	**261.6615**
1553.7025	13	H	3	425.2625	213.1352
1666.7865	14	L	2	**288.2036**	144.6057
	15	R	1	175.1195	88.0637

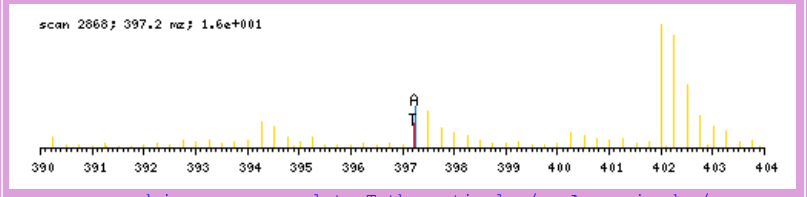
N-term:+29.04

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

FIEEIHSVSAKNR, MH+ 1585.8702, m/z 397.2230
L OS G17 P120811 220811-s1.02871.02871.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



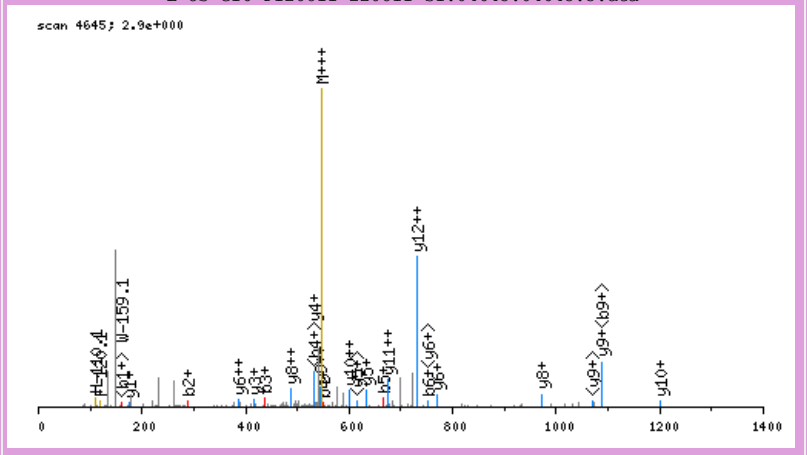
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
289.1916	2	I	12	1410.7705	705.8892
418.2342	3	E	11	1297.6865	**649.3472**
547.2768	4	E	10	1168.6439	**584.8259**
660.3608	5	I	9	1039.6013	**520.3046**
797.4197	6	H	8	926.5172	**463.7625**
884.4518	7	S	7	789.4583	**395.2331**
983.5202	8	V	6	702.4263	**351.7171**
1070.5522	9	S	5	603.3579	302.1828
1141.5893	10	A	4	516.3258	258.6668
1297.7156	11	K	3	445.2887	223.1483
1411.7586	12	N	2	289.1624	145.0851
	13	R	1	175.1195	88.0637

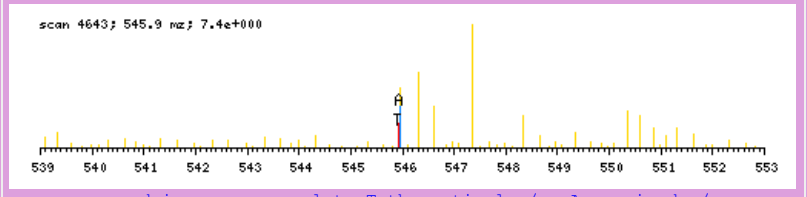
N-term:+29.04 K(11):+156.13

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

FIFIDSDHTDNQR, MH+ 1635.7767, m/z 545.9304
L OS G16 P120811 220811-s1.04645.04645.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



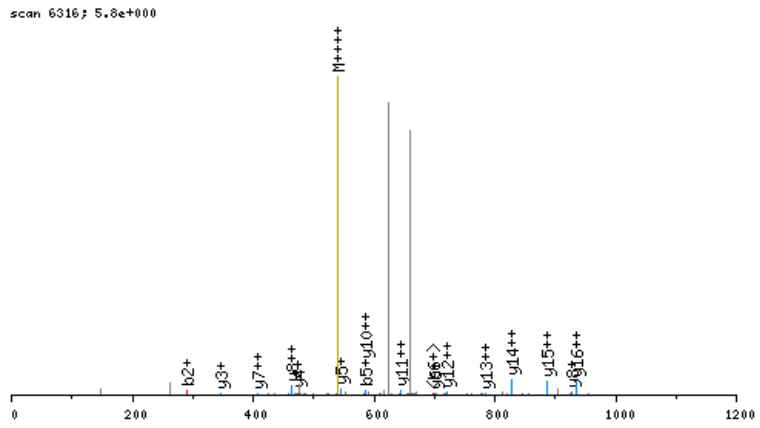
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	13		
289.1916	2	I	12	1460.6770	730.8424
436.2600	3	F	11	1347.5929	674.3004
549.3441	4	I	10	1200.5245	600.7662
664.3710	5	D	9	1087.4405	544.2241
751.4030	6	S	8	972.4135	486.7107
866.4300	7	D	7	885.3815	443.1947
1003.4889	8	H	6	770.3545	385.6812
1104.5366	9	T	5	633.2956	317.1517
1219.5635	10	D	4	532.2479	266.6279
1333.6064	11	N	3	417.2210	209.1144
1461.6650	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

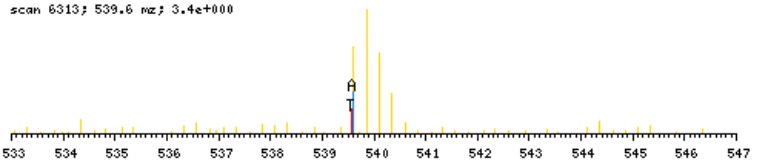
N-term:+29.04

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

FIPLSQKDLENLKAEVAR, MH+ 2155.2491, m/z 539.5677
L OS G17 P120811 220811-s1.06316.06316.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



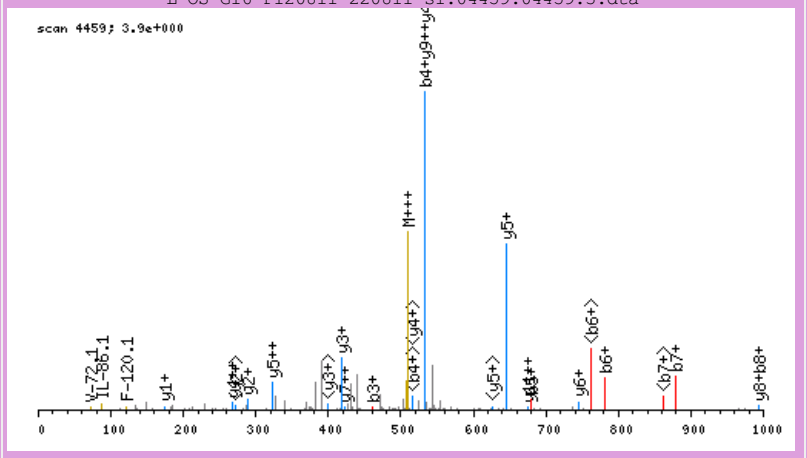
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	18		
289.1916	2	I	17	1980.1494	990.5786
386.2443	3	P	16	1867.0654	**934.0366**
499.3284	4	L	15	1770.0126	**885.5102**
586.3604	5	S	14	1656.9285	**828.9682**
714.4190	6	Q	13	1569.8965	**785.4522**
870.5453	7	K	12	1441.8379	**721.4229**
985.5723	8	D	11	1285.7116	**643.3597**
1098.6563	9	L	10	1170.6847	**585.8463**
1227.6989	10	E	9	1057.6006	529.3042
1341.7418	11	N	8	**928.5580**	**464.7829**
1454.8259	12	L	7	814.5151	**407.7615**
1610.9522	13	K	6	**701.4310**	351.2194
1681.9893	14	A	5	**545.3047**	273.1563
1811.0319	15	E	4	**474.2676**	237.6377
1910.1003	16	V	3	**345.2250**	173.1164
1981.1374	17	A	2	246.1566	123.5822
	18	R	1	175.1195	88.0637

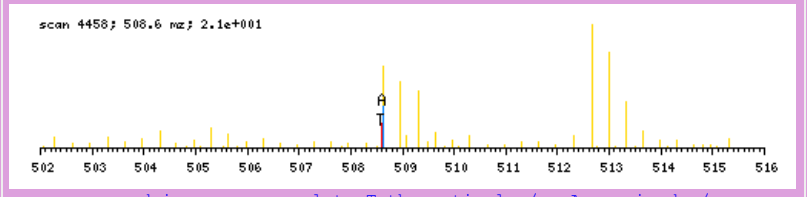
N-term:+29.04 K(7):+156.13
K(13):+156.13

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

FKEAFTVIDQNR, MH+ 1523.8222, m/z 508.6123
L OS G16 P120811 220811-s1.04459.04459.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



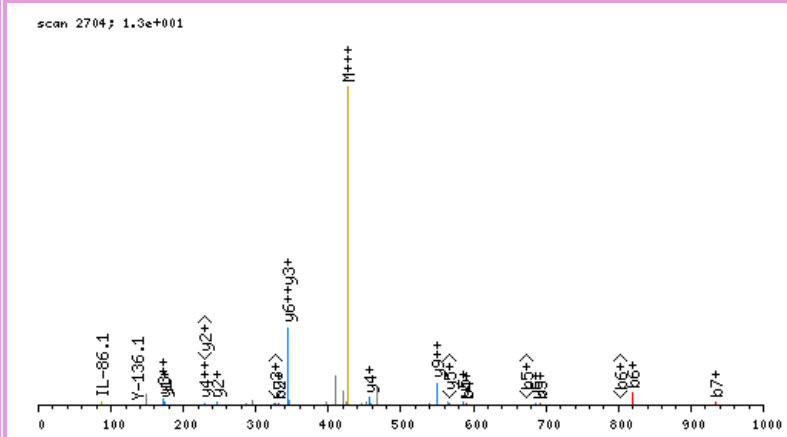
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

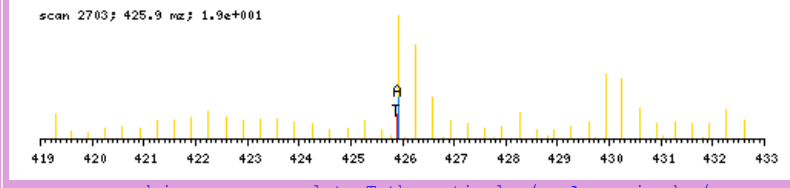
N-term:+29.04 K(2):+156.13

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+ 1275.6949, m/z 425.9031
L OS G16 P120811 220811-s1.02704.02704.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



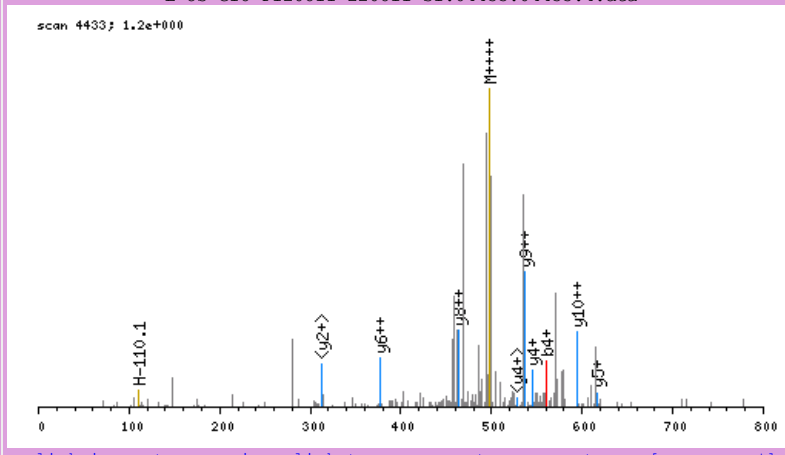
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	10		
332.2338	2	K	9	1100.5952	550.8015
461.2764	3	E	8	944.4689	472.7384
590.3190	4	E	7	815.4263	408.2171
691.3667	5	T	6	686.3837	343.6958
820.4093	6	E	5	585.3360	293.1719
933.4933	7	I	4	456.2934	228.6506
1030.5461	8	P	3	343.2094	172.1086
1101.5832	9	A	2	246.1566	123.5822
	10	R	1	175.1195	88.0637

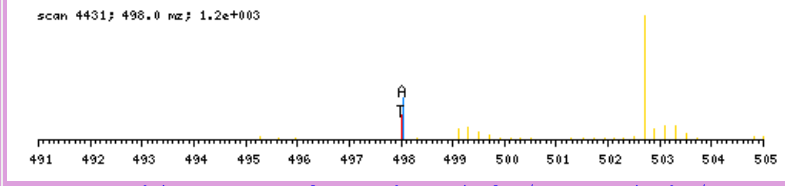
N-term:+29.04 K(2):+156.13

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

FKLDNQDFGDHATLKR, MH+ 1989.0558, m/z 498.0194
L OS G18 P120811 220811-s1.04433.04433.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



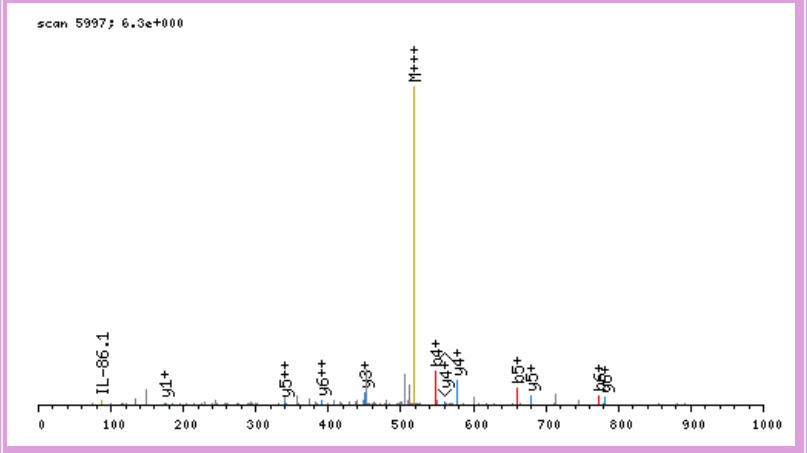
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
332.2338	2	K	15	1813.9561	907.4820
445.3179	3	L	14	1657.8298	829.4188
560.3448	4	D	13	1544.7458	772.8768
674.3877	5	N	12	1429.7188	715.3633
802.4463	6	Q	11	1315.6759	658.3419
917.4733	7	D	10	1187.6173	**594.3126**
1064.5417	8	F	9	1072.5904	**536.7991**
1121.5631	9	G	8	925.5220	**463.2649**
1236.5901	10	D	7	868.5005	434.7542
1373.6490	11	H	6	753.4736	**377.2407**
1444.6861	12	A	5	**616.4147**	308.7112
1545.7338	13	T	4	**545.3775**	273.1927
1658.8179	14	L	3	444.3299	222.6688
1814.9442	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

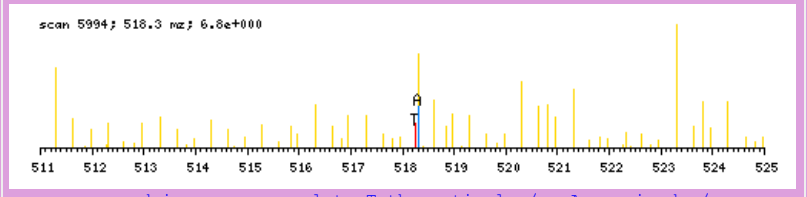
N-term:+29.04 K(2):+156.13
K(15):+156.13

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

FLEELLTTQCDR, MH+ 1552.7680, m/z 518.2609
L OS G13 P120811 220811-s1.05997.05997.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



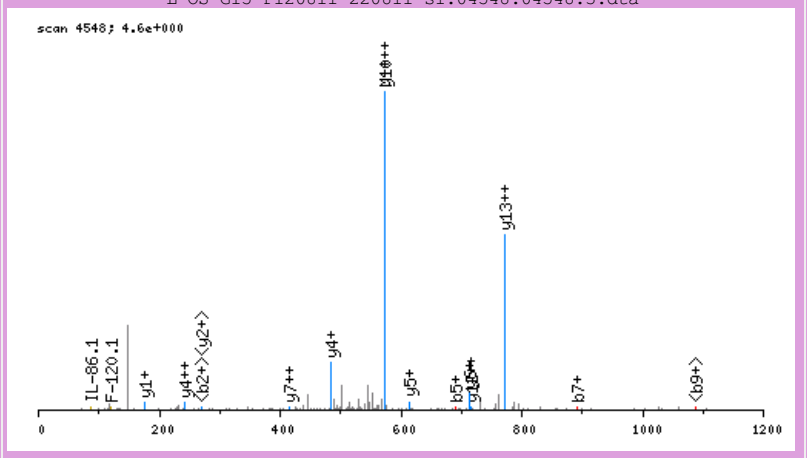
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
289.1916	2	L	11	1377.6684	689.3381
418.2342	3	E	10	1264.5843	632.7961
547.2768	4	E	9	1135.5417	568.2748
660.3608	5	L	8	1006.4991	503.7535
773.4449	6	L	7	893.4150	447.2114
874.4926	7	T	6	**780.3310**	**390.6694**
975.5402	8	T	5	**679.2833**	**340.1456**
1103.5988	9	Q	4	**578.2356**	289.6217
1263.6294	10	C	3	**450.1770**	225.5924
1378.6564	11	D	2	290.1464	145.5771
	12	R	1	**175.1195**	88.0637

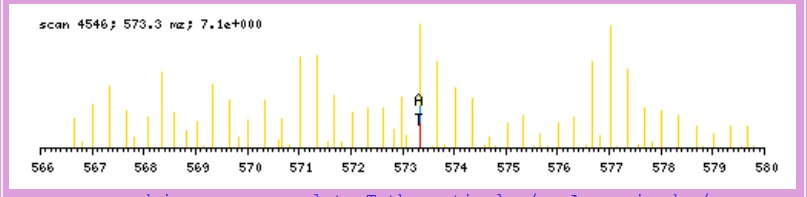
N-term:+29.04 C(10):+160.03

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

FLEKDTTLTEPVIR, MH+ 1717.9740, m/z 573.3295
L OS G15 P120811 220811-s1.04548.04548.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



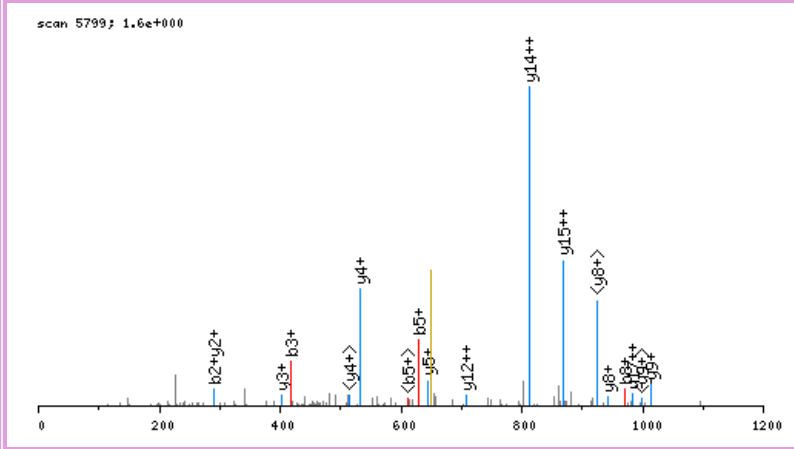
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
289.1916	2	L	13	1542.8743	**771.9411**
418.2342	3	E	12	1429.7903	**715.3990**
574.3605	4	K	11	1300.7477	650.8778
689.3874	5	D	10	1144.6214	**572.8146**
790.4351	6	T	9	1029.5944	515.3011
891.4828	7	T	8	928.5468	464.7773
1004.5668	8	L	7	827.4991	**414.2535**
1105.6145	9	T	6	**714.4150**	357.7114
1234.6571	10	E	5	**613.3673**	307.1876
1331.7099	11	P	4	**484.3247**	**242.6663**
1430.7783	12	V	3	387.2720	194.1399
1543.8623	13	I	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

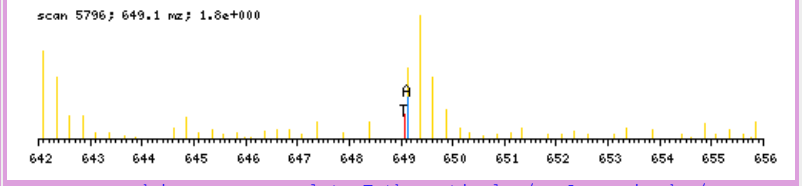
N-term:+29.04 K(4):+156.13

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

FLEPNPEDPLNKEAAEVLQNNR, MH+ 2593.3262, m/z 649.0870
L OS G14 P120811 220811-s1.05799.05799.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



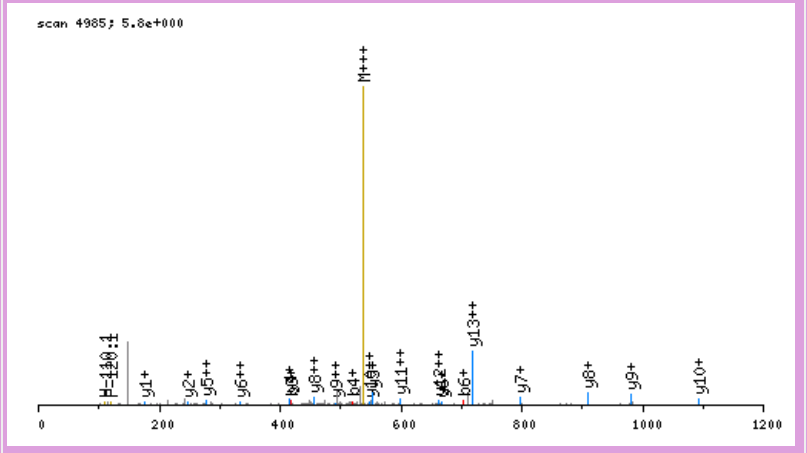
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	22		
289.1916	2	L	21	2418.2265	1209.6172
418.2342	3	E	20	2305.1425	1153.0751
515.2869	4	P	19	2176.0999	1088.5538
629.3299	5	N	18	2079.0471	1040.0275
726.3826	6	P	17	1965.0042	**983.0060**
855.4252	7	E	16	1867.9514	934.4796
970.4522	8	D	15	1738.9088	**869.9583**
1067.5049	9	P	14	1623.8819	**812.4449**
1180.5890	10	L	13	1526.8291	763.9185
1294.6319	11	N	12	1413.7451	**707.3764**
1450.7582	12	K	11	1299.7021	650.3550
1579.8008	13	E	10	1143.5758	572.2918
1650.8379	14	A	9	**1014.5332**	507.7705
1721.8750	15	A	8	**943.4961**	472.2520
1850.9176	16	E	7	872.4590	436.7334
1949.9860	17	V	6	743.4164	372.2121
2063.0701	18	L	5	**644.3480**	322.6779
2191.1287	19	Q	4	**531.2639**	266.1359
2305.1716	20	N	3	**403.2054**	202.1066
2419.2145	21	N	2	**289.1624**	145.0851
	22	R	1	175.1195	88.0637

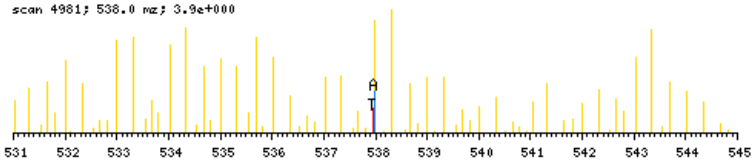
N-term:+29.04 K(12):+156.13

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

FLETLALENHGLAR, MH+ 1611.8858, m/z 537.9668
L OS G15 P120811 220811-s1.04985.04985.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



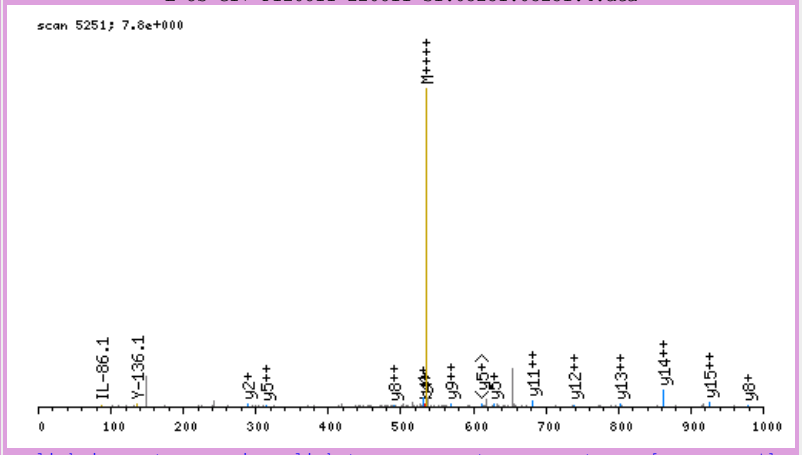
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
289.1916	2	L	13	1436.7862	**718.8970**
418.2342	3	E	12	1323.7021	**662.3550**
519.2818	4	T	11	1194.6595	**597.8337**
632.3659	5	L	10	**1093.6118**	**547.3098**
703.4030	6	A	9	**980.5278**	**490.7678**
816.4871	7	L	8	**909.4906**	**455.2492**
945.5297	8	E	7	**796.4066**	398.7072
1059.5726	9	N	6	**667.3640**	**334.1859**
1196.6315	10	H	5	**553.3211**	**277.1644**
1253.6530	11	G	4	**416.2621**	208.6350
1366.7371	12	L	3	359.2407	180.1243
1437.7742	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

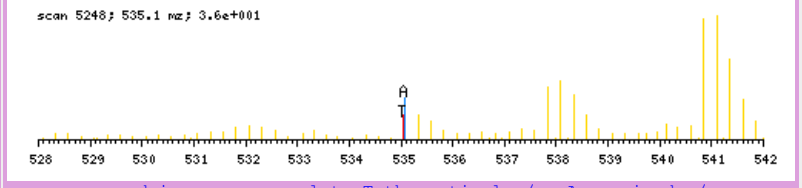
N-term:+29.04

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

FLQDEIIDKSYTPSKIR, MH+ 2137.1909, m/z 535.0532
L OS G17 P120811 220811-s1.05251.05251.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



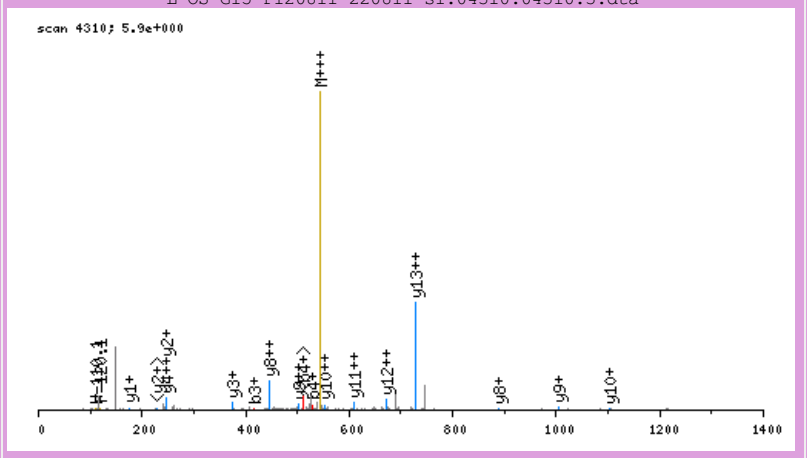
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	17		
289.1916	2	L	16	1962.0912	981.5495
417.2502	3	Q	15	1849.0072	**925.0075**
532.2771	4	D	14	1720.9486	**860.9782**
661.3197	5	E	13	1605.9217	**803.4647**
774.4038	6	I	12	1476.8791	**738.9434**
887.4878	7	I	11	1363.7950	**682.4014**
1002.5148	8	D	10	1250.7109	625.8594
1158.6411	9	K	9	1135.6840	**568.3459**
1245.6731	10	S	8	**979.5577**	**490.2828**
1408.7364	11	Y	7	892.5257	446.7667
1509.7841	12	T	6	729.4623	365.2351
1606.8369	13	P	5	**628.4147**	**314.7112**
1693.8689	14	S	4	**531.3619**	266.1849
1849.9952	15	K	3	444.3299	222.6688
1963.0793	16	I	2	**288.2036**	144.6057
	17	R	1	175.1195	88.0637

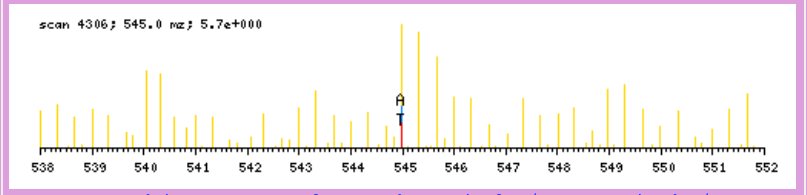
N-term:+29.04 K(9):+156.13
K(15):+156.13

FLQLVDSGKVDEAR, MH+ 1632.8961, m/z 544.9702
L OS G15 P120811 220811-s1.04310.04310.3.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±]



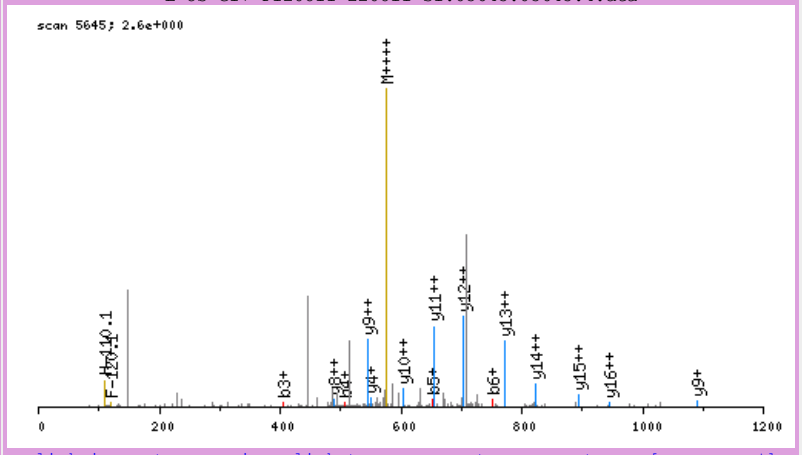
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
289.1916	2	L	13	1457.7964	**729.4021**
417.2502	3	Q	12	1344.7124	**672.8601**
530.3342	4	L	11	1216.6538	**608.8308**
629.4026	5	V	10	**1103.5697**	**552.2888**
744.4296	6	D	9	**1004.5013**	**502.7546**
831.4616	7	S	8	**889.4744**	**445.2411**
888.4831	8	G	7	802.4423	401.7251
1044.6094	9	K	6	745.4209	373.2143
1143.6778	10	V	5	589.2946	295.1512
1258.7047	11	D	4	490.2262	**245.6170**
1387.7473	12	E	3	**375.1992**	188.1035
1458.7844	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

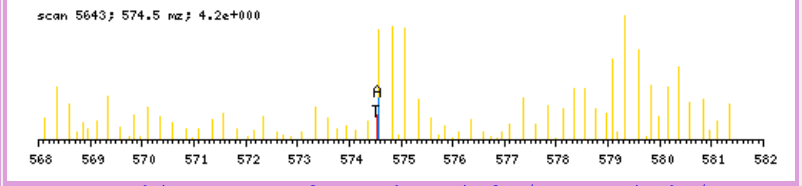
N-term:+29.04 K(9):+156.13

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

FNDTFVHVTDLSGKETICR, MH+ 2295.1443, m/z 574.5415
L OS G17 P120811 220811-s1.05645.05645.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



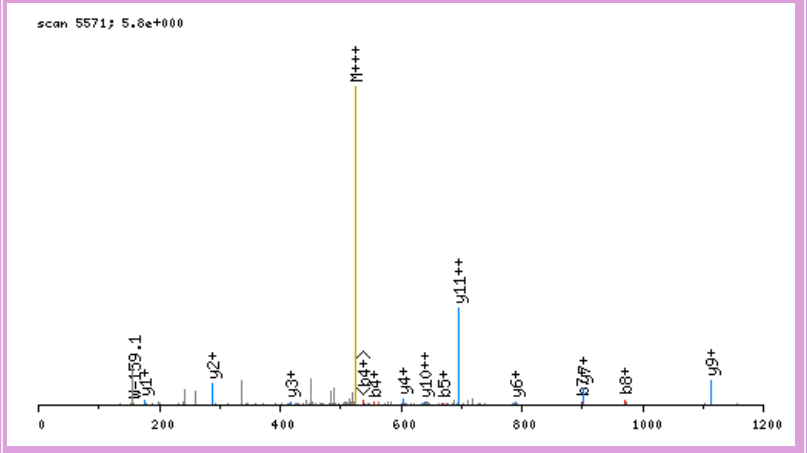
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	19		
290.1504	2	N	18	2120.0446	1060.5262
405.1774	3	D	17	2006.0017	1003.5048
506.2251	4	T	16	1890.9747	**945.9913**
653.2935	5	F	15	1789.9271	**895.4674**
752.3619	6	V	14	1642.8587	**821.9332**
889.4208	7	H	13	1543.7902	**772.3990**
988.4892	8	V	12	1406.7313	**703.8696**
1089.5369	9	T	11	1307.6629	**654.3354**
1204.5638	10	D	10	1206.6152	**603.8115**
1317.6479	11	L	9	**1091.5883**	**546.2981**
1404.6799	12	S	8	978.5042	**489.7560**
1461.7014	13	G	7	891.4722	446.2400
1617.8277	14	K	6	834.4507	417.7293
1746.8703	15	E	5	678.3244	339.6661
1847.9180	16	T	4	**549.2818**	275.1448
1961.0020	17	I	3	448.2342	224.6210
2121.0326	18	C	2	335.1501	168.0790
	19	R	1	175.1195	88.0637

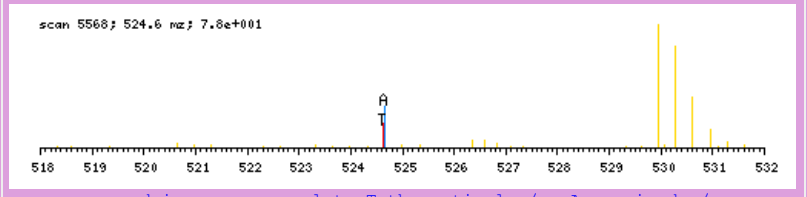
N-term:+29.04 K(14):+156.13
C(18):+160.03

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

FNKPDIDAWELR, MH+ 1571.8858, m/z 524.6335
H OS G16 P120811 220811-s1.05571.05571.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



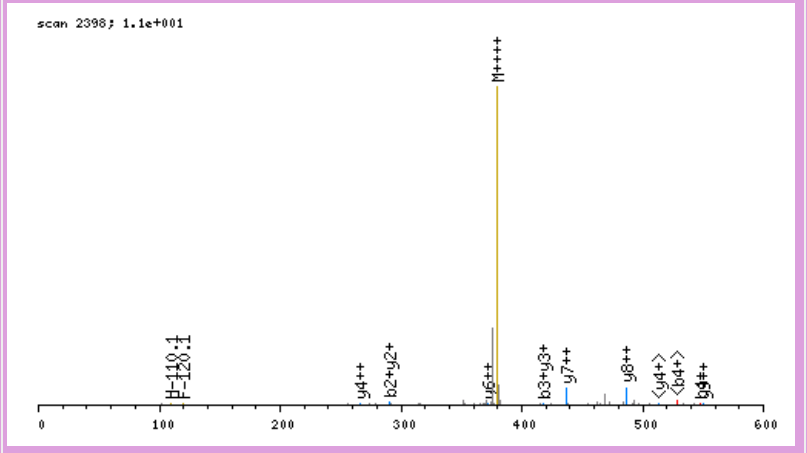
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

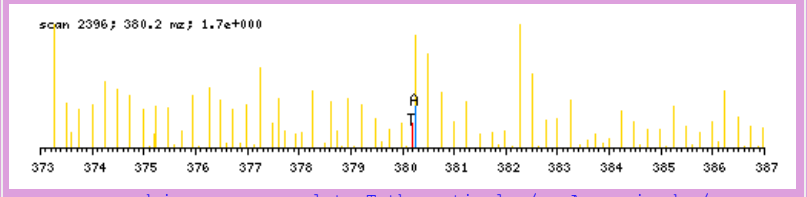
N-term:+35.07 K(3):+162.16

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

FNQEVQKGLQDR, MH+ 1517.8076, m/z 380.2074
L OS G18 P120811 220811-s1.02398.02398.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



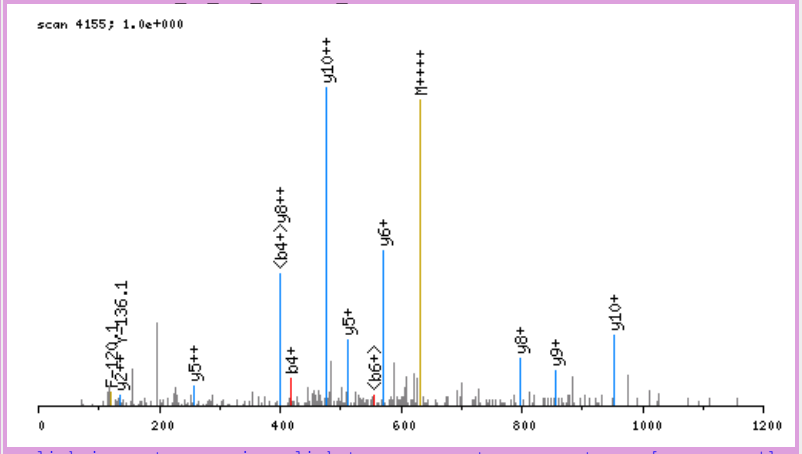
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
290.1504	2	N	11	1342.7079	671.8579
418.2090	3	Q	10	1228.6650	614.8364
547.2516	4	E	9	1100.6064	**550.8071**
646.3200	5	V	8	971.5638	**486.2858**
774.3786	6	Q	7	872.4954	**436.7516**
930.5049	7	K	6	744.4368	**372.7223**
987.5264	8	G	5	588.3105	294.6592
1100.6104	9	L	4	531.2891	**266.1485**
1228.6690	10	Q	3	**418.2050**	209.6064
1343.6960	11	D	2	**290.1464**	145.5771
	12	R	1	175.1195	88.0637

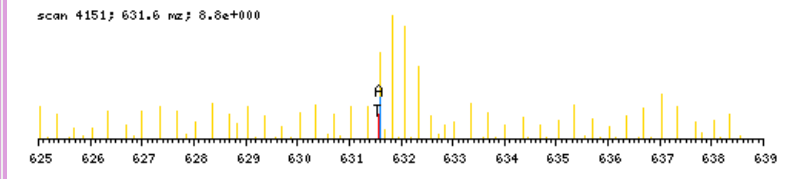
N-term:+29.04 K(7):+156.13

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

FPGSPGEKGEKGSAGTPGMPGSPGPR, MH+ 2523.2666, m/z 631.5721
L_OS_G15_P120811_220811-s1.04155.04155.4.dta



click image to zoom in; 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	26		
273.1603	2	P	25	2348.1669	1174.5874
330.1817	3	G	24	2251.1142	1126.0610
417.2138	4	S	23	2194.0927	1097.5503
514.2665	5	P	22	2107.0607	1054.0343
571.2880	6	G	21	2010.0079	1005.5079
700.3306	7	E	20	1952.9865	976.9971
856.4569	8	K	19	1823.9439	912.4758
913.4784	9	G	18	1667.8176	834.4127
1042.5209	10	E	17	1610.7961	805.9020
1198.6472	11	K	16	1481.7535	741.3807
1255.6687	12	G	15	1325.6272	663.3175
1342.7007	13	S	14	1268.6057	634.8068
1413.7379	14	A	13	1181.5737	591.2908
1470.7593	15	G	12	1110.5366	555.7722
1571.8070	16	T	11	1053.5151	527.2615
1668.8598	17	P	10	**952.4675**	**476.7376**
1725.8812	18	G	9	**855.4147**	428.2113
1856.9217	19	M	8	**798.3932**	**399.7005**
1953.9745	20	P	7	667.3527	334.1803
2010.9959	21	G	6	**570.3000**	285.6539
2098.0280	22	S	5	**513.2785**	**257.1432**
2195.0807	23	P	4	426.2465	213.6272
2252.1022	24	G	3	329.1937	165.1008
2349.1550	25	P	2	272.1723	**136.5900**
	26	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+]

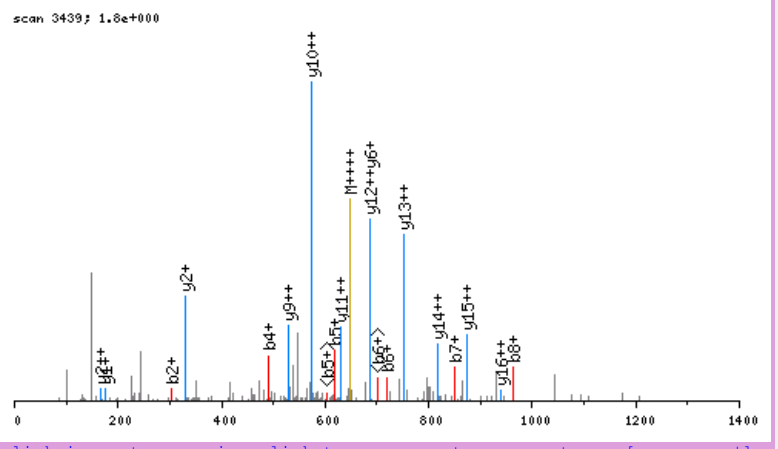
z [+] [2+] [3+]

hide H_2O/NH_3

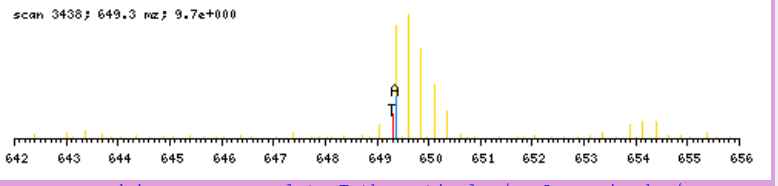
zoom 112-122

GO

FQGEETENEENLSSEKAGLDKR, MH+ 2594.2586, m/z 649.3201
L OS G17 P120811 220811-s1.03439.03439.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



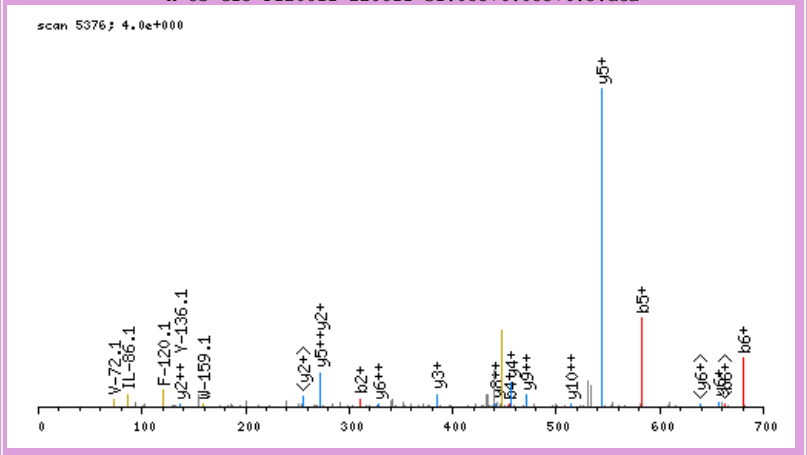
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

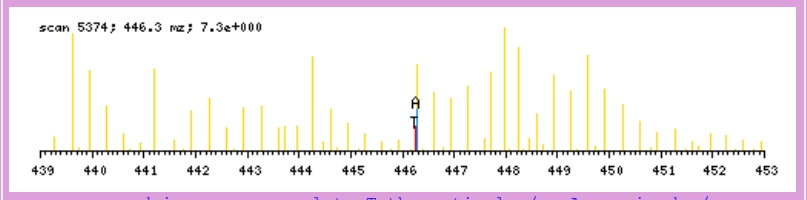
N-term:+29.04 K(16):+156.13
K(21):+156.13

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

FQSGQVLSALPR, MH+ 1336.7801, m/z 446.2649
H OS G13 P120811 220811-s1.05376.05376.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



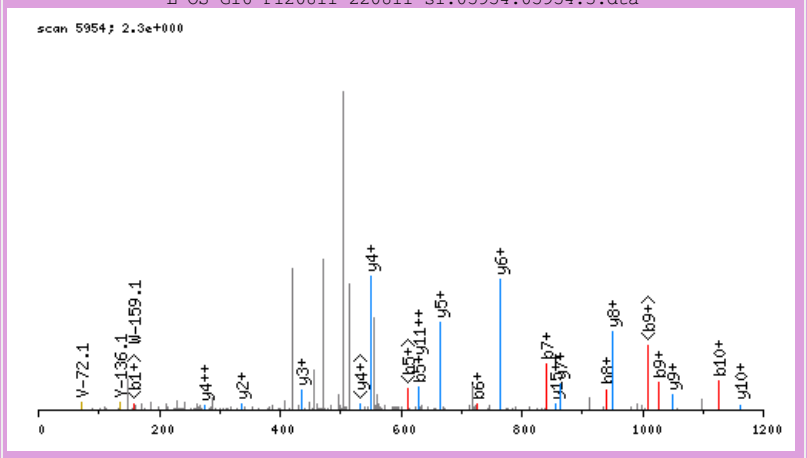
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	12		
310.1979	2	Q	11	1155.6486	578.3282
397.2299	3	S	10	1027.5900	**514.2989**
454.2514	4	G	9	940.5580	**470.7829**
582.3100	5	Q	8	883.5365	**442.2722**
681.3784	6	V	7	755.4779	378.2429
794.4624	7	L	6	**656.4095**	**328.7087**
881.4945	8	S	5	**543.3255**	**272.1666**
952.5316	9	A	4	**456.2934**	228.6506
1065.6156	10	L	3	**385.2563**	193.1321
1162.6684	11	P	2	**272.1723**	**136.5900**
	12	R	1	175.1195	88.0637

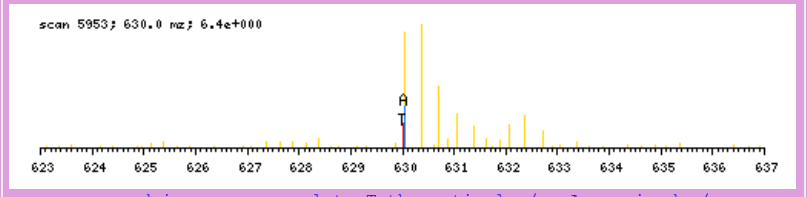
N-term:+35.07

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

FRVPTPNVSVVDLTCR, MH+ 1888.0114, m/z 630.0087
L OS G16 P120811 220811-s1.05954.05954.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



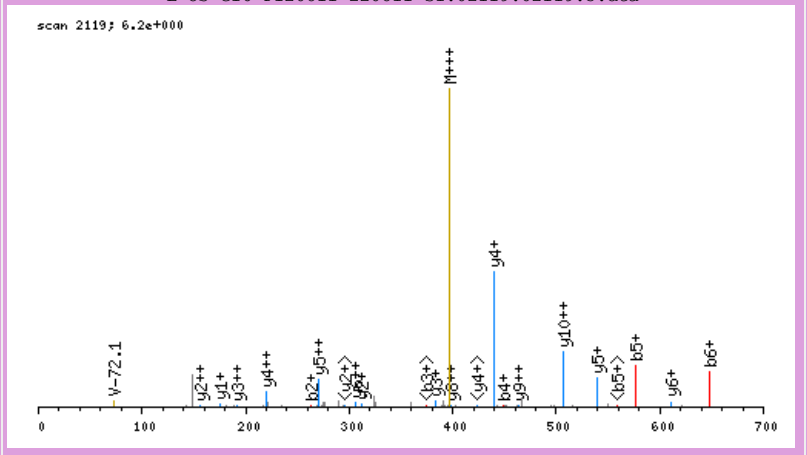
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

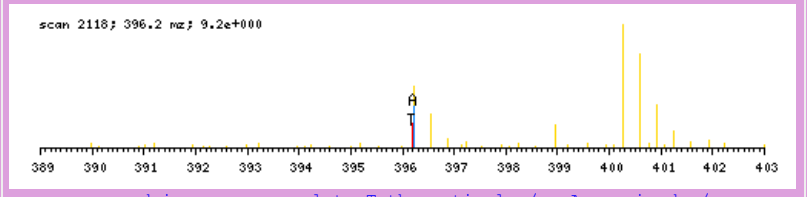
N-term:+29.04 C(15):+160.03

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

FSEGQAVGAHR, MH+ 1186.5969, m/z 396.2038
L OS G16 P120811 220811-s1.02119.02119.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



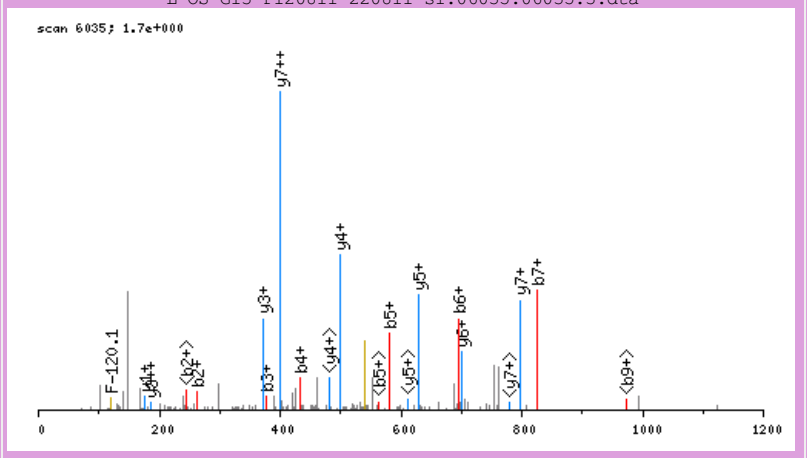
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	11		
263.1395	2	S	10	1011.4972	506.2525
392.1821	3	E	9	924.4652	462.7365
449.2036	4	G	8	795.4226	398.2152
577.2622	5	Q	7	738.4011	369.7045
648.2993	6	A	6	610.3425	305.6752
747.3677	7	V	5	539.3054	270.1566
804.3892	8	G	4	440.2370	220.6224
875.4263	9	A	3	383.2155	192.1117
1012.4852	10	H	2	312.1784	156.5931
	11	R	1	175.1195	88.0637

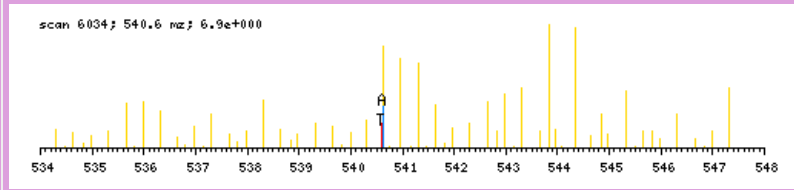
N-term:+29.04

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

FSLGFDEPAEQPVR, MH+ 1619.8069, m/z 540.6072
L OS G13 P120811 220811-s1.06035.06035.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



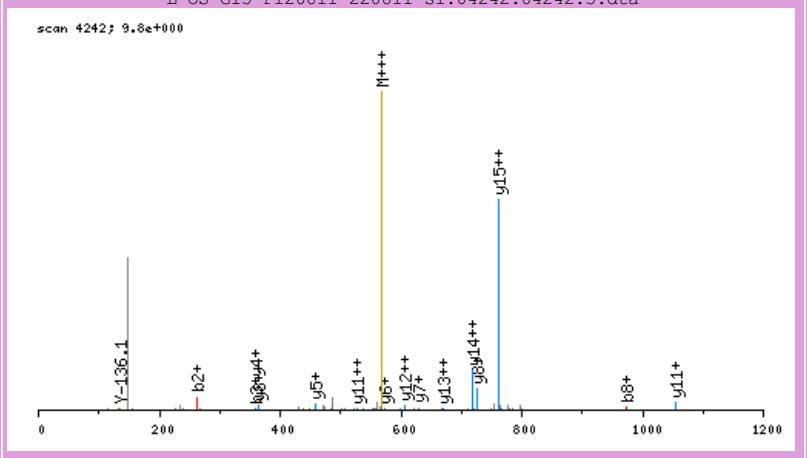
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

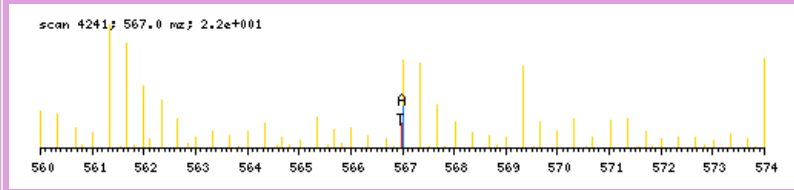
N-term:+29.04

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

FSPEKSQLPGIVAGGR, MH+ 1698.9543, m/z 566.9896
L OS G15 P120811 220811-s1.04242.04242.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



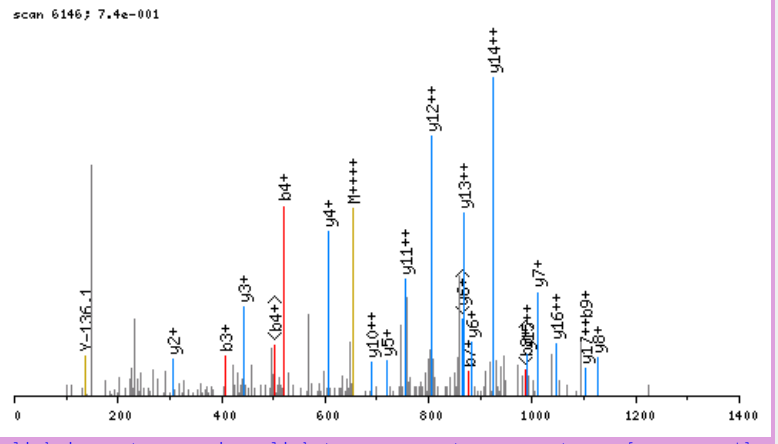
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	16		
263.1395	2	S	15	1523.8546	**762.4312**
360.1923	3	P	14	1436.8226	**718.9152**
489.2349	4	E	13	1339.7698	**670.3888**
645.3612	5	K	12	1210.7272	**605.8675**
732.3932	6	S	11	**1054.6009**	**527.8044**
860.4518	7	Q	10	967.5689	484.2884
973.5359	8	L	9	839.5103	420.2591
1070.5886	9	P	8	**726.4262**	**363.7170**
1127.6101	10	G	7	**629.3735**	315.1907
1240.6942	11	I	6	**572.3520**	286.6799
1339.7626	12	V	5	**459.2680**	230.1379
1410.7997	13	A	4	**360.1995**	180.6037
1467.8212	14	G	3	289.1624	145.0851
1524.8426	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

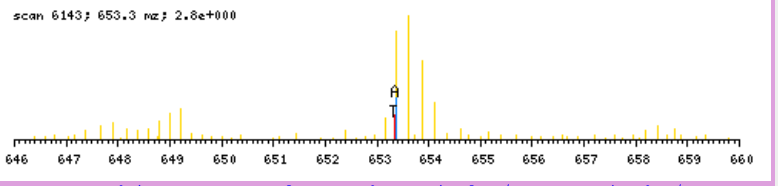
N-term:+29.04 K(5):+156.13

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

FTELNQNQVQKVDQYLYHMR, MH+ 2610.3139, m/z 653.3339
L OS G17 P120811 220811-s1.06146.06146.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



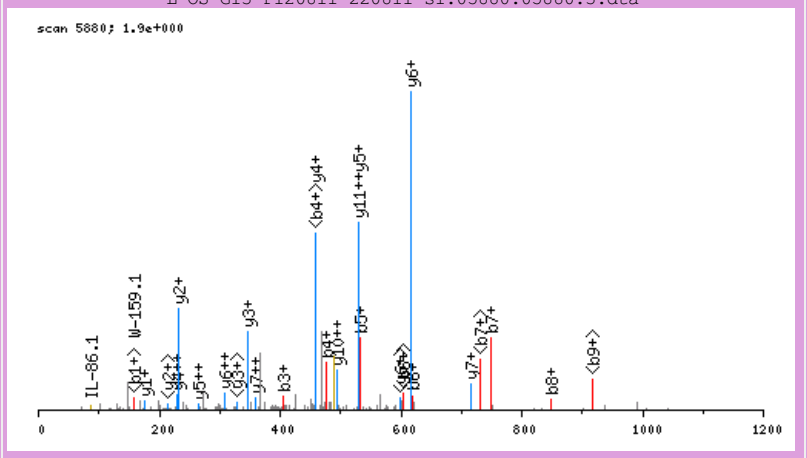
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	20		
277.1552	2	T	19	2435.2142	1218.1110
406.1978	3	E	18	2334.1665	1167.5872
519.2818	4	L	17	2205.1239	**1103.0659**
633.3248	5	N	16	2092.0399	**1046.5238**
761.3834	6	Q	15	1977.9969	**989.5024**
875.4263	7	N	14	1849.9383	**925.4731**
1003.4849	8	Q	13	1735.8954	**868.4516**
1102.5533	9	V	12	1607.8368	**804.4223**
1230.6119	10	Q	11	1508.7684	**754.8881**
1386.7382	11	K	10	1380.7099	**690.8588**
1485.8066	12	V	9	1224.5836	612.7957
1600.8335	13	D	8	**1125.5151**	563.2615
1728.8921	14	Q	7	**1010.4882**	505.7480
1891.9554	15	Y	6	**882.4296**	441.7187
2005.0395	16	L	5	**719.3663**	360.1871
2168.1028	17	Y	4	**606.2822**	303.6450
2305.1617	18	H	3	**443.2189**	222.1134
2436.2022	19	M	2	**306.1600**	153.5839
	20	R	1	175.1195	88.0637

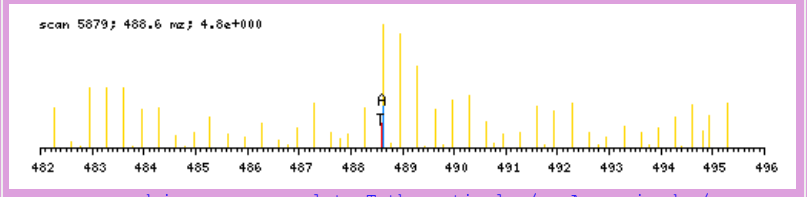
N-term:+29.04 K(11):+156.13

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

FTQAGSEVSALLGR, MH+ 1463.7858, m/z 488.6001
L OS G13 P120811 220811-s1.05880.05880.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



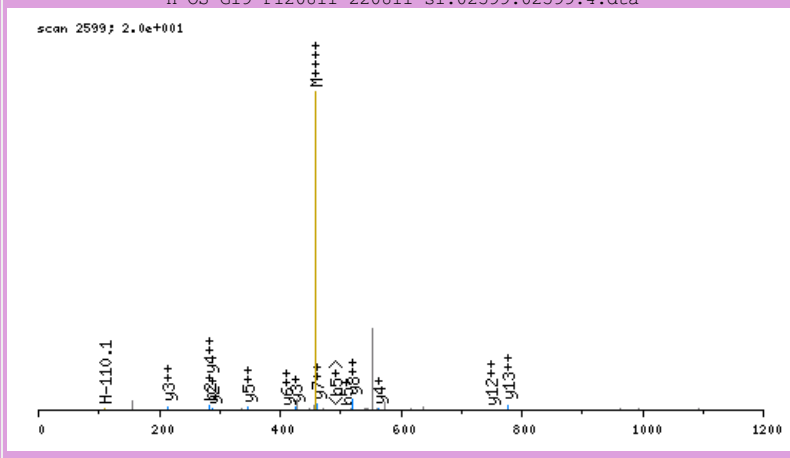
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	14		
277.1552	2	T	13	1288.6861	644.8470
405.2138	3	Q	12	1187.6384	594.3231
476.2509	4	A	11	1059.5798	**530.2938**
533.2723	5	G	10	988.5427	**494.7753**
620.3044	6	S	9	931.5213	466.2645
749.3470	7	E	8	844.4892	422.7485
848.4154	8	V	7	**715.4466**	**358.2272**
935.4474	9	S	6	**616.3782**	**308.6930**
1006.4845	10	A	5	**529.3462**	**265.1770**
1119.5686	11	L	4	**458.3091**	**229.6585**
1232.6527	12	L	3	**345.2250**	173.1164
1289.6741	13	G	2	**232.1410**	116.5744
	14	R	1	**175.1195**	88.0637

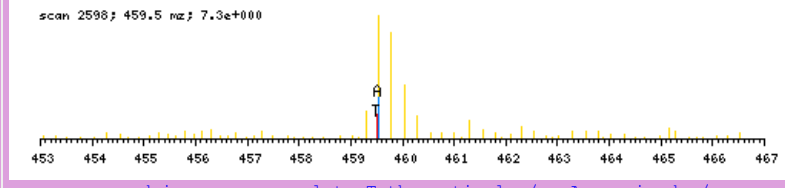
N-term:+29.04

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

FVGGIKEDTEEHHLR, MH+ 1835.0088, m/z 459.5077
H OS G19 P120811 220811-s1.02599.02599.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



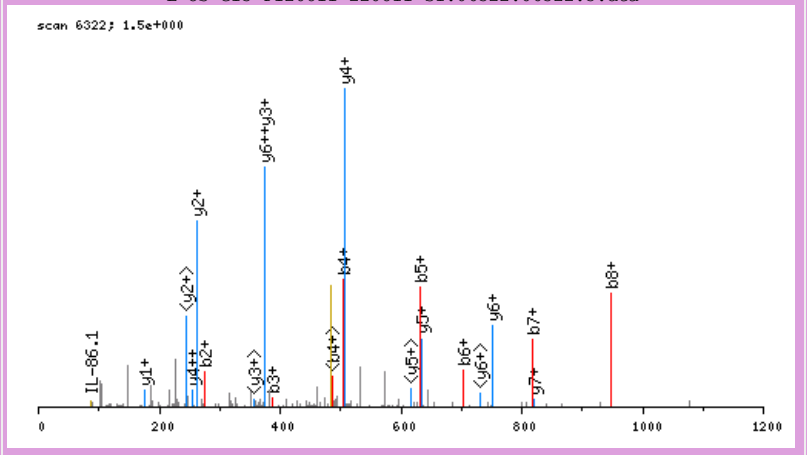
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
182.1393	1	F	15		
281.2077	2	V	14	1653.8773	827.4426
338.2292	3	G	13	1554.8089	**777.9084**
395.2507	4	G	12	1497.7874	**749.3976**
508.3347	5	I	11	1440.7660	720.8869
670.4928	6	K	10	1327.6819	664.3449
799.5354	7	E	9	1165.5238	583.2658
914.5624	8	D	8	1036.4812	**518.7445**
1015.6100	9	T	7	921.4543	**461.2310**
1144.6526	10	E	6	820.4066	**410.7072**
1273.6952	11	E	5	691.3640	**346.1859**
1410.7541	12	H	4	**562.3214**	**281.6646**
1547.8130	13	H	3	**425.2625**	**213.1352**
1660.8971	14	L	2	**288.2036**	144.6057
	15	R	1	175.1195	88.0637

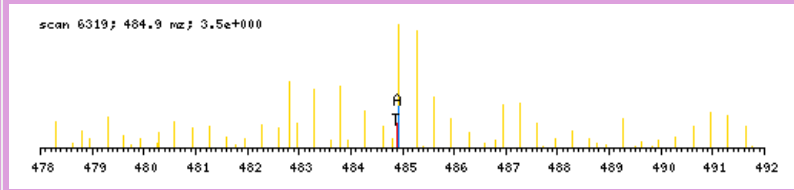
N-term:+35.07 K(6):+162.16

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

FVLDEADEMLSR, MH+ 1452.7044, m/z 484.9063
L OS G13 P120811 220811-s1.06322.06322.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



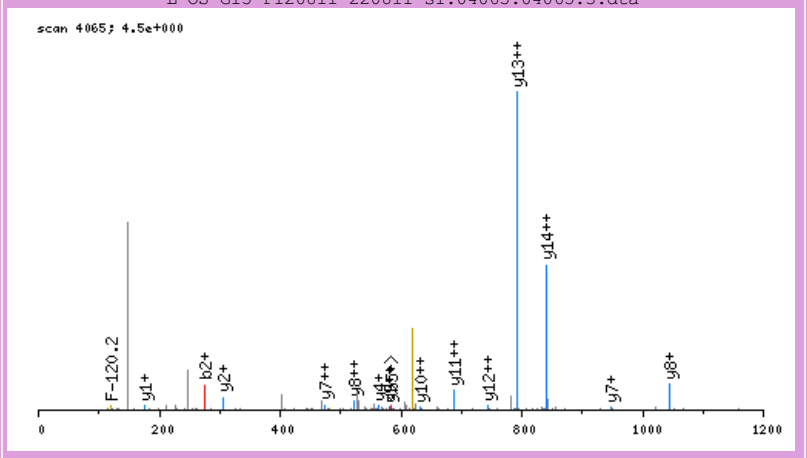
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

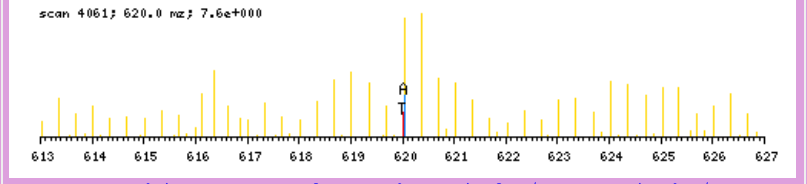
N-term:+29.04

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

FVPLNTNPKEVQEMR, MH+ 1857.9897, m/z 620.0014
L OS G15 P120811 220811-s1.04065.04065.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



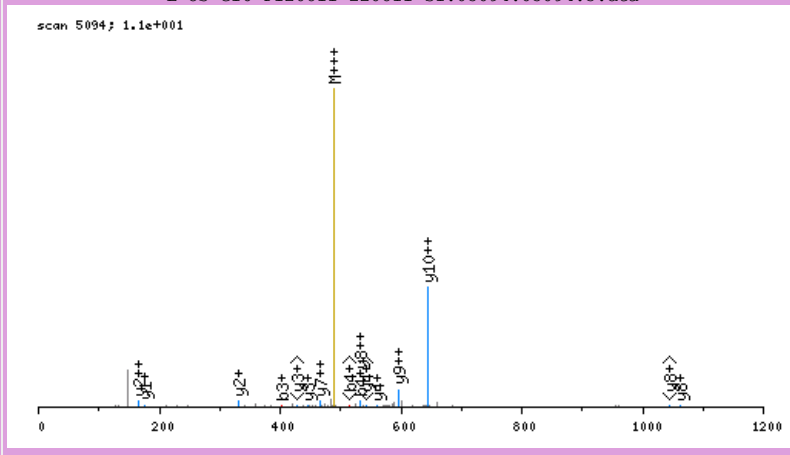
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
275.1759	2	V	14	1682.8900	841.9489
372.2287	3	P	13	1583.8216	792.4147
485.3128	4	L	12	1486.7688	743.8883
599.3557	5	N	11	1373.6848	687.3463
700.4034	6	T	10	1259.6418	630.3248
814.4463	7	N	9	1158.5942	579.8010
911.4991	8	P	8	1044.5512	522.7795
1067.6254	9	K	7	947.4985	474.2531
1196.6679	10	E	6	791.3722	396.1900
1295.7364	11	V	5	662.3296	331.6687
1423.7949	12	Q	4	563.2612	282.1345
1552.8375	13	E	3	435.2026	218.1052
1683.8780	14	M	2	306.1600	153.5839
	15	R	1	175.1195	88.0637

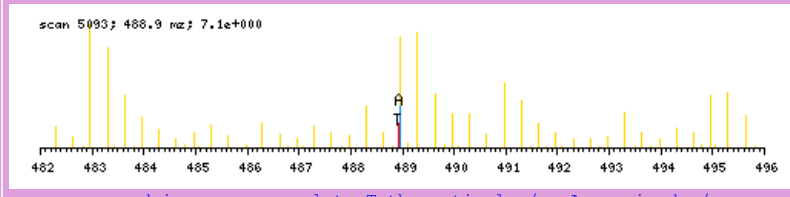
N-term:+29.04 K(9):+156.13

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

FVQEFNLIDRR, MH+ 1464.7963, m/z 488.9369
L OS G16 P120811 220811-s1.05094.05094.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



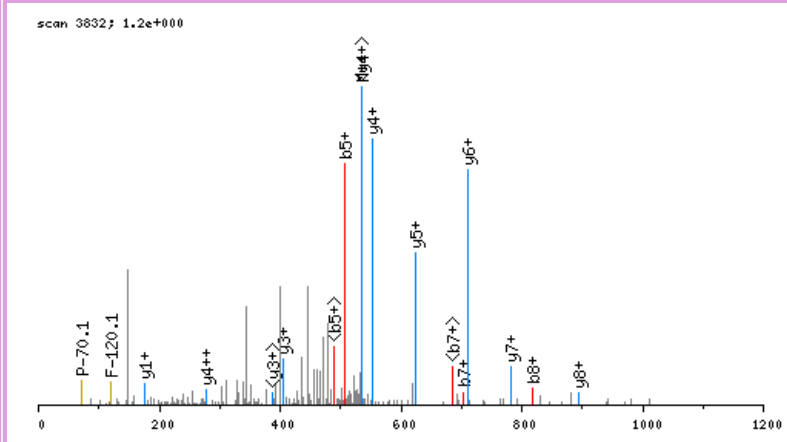
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	11		
275.1759	2	V	10	1289.6966	**645.3522**
403.2345	3	Q	9	1190.6282	**595.8180**
532.2771	4	E	8	**1062.5696**	**531.7887**
679.3455	5	F	7	933.5270	**467.2674**
793.3884	6	N	6	786.4586	393.7332
906.4725	7	L	5	672.4157	336.7118
1019.5566	8	I	4	**559.3316**	280.1697
1134.5835	9	D	3	**446.2476**	223.6277
1290.6846	10	R	2	**331.2206**	**166.1142**
	11	R	1	**175.1195**	88.0637

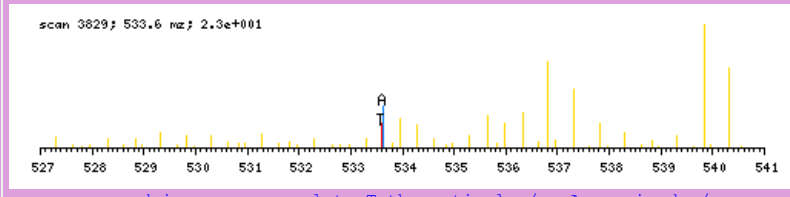
N-term:+29.04

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

FVSSGPTNASAFTER, MH+ 1598.7814, m/z 533.5987
L OS G13 P120811 220811-s1.03832.03832.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



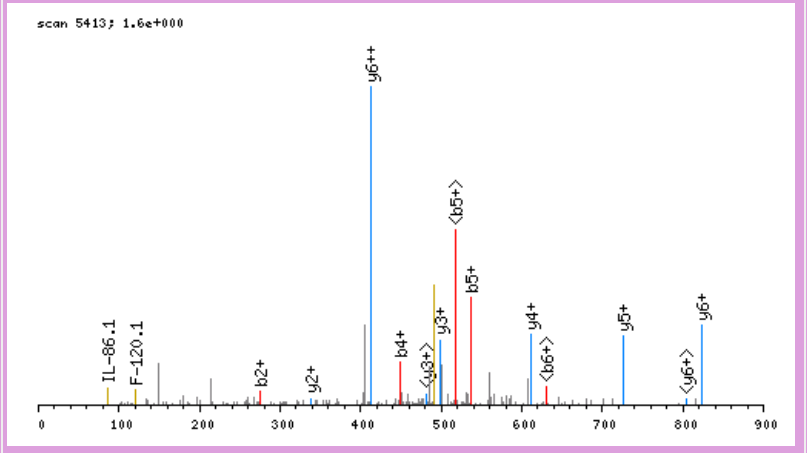
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	15		
275.1759	2	V	14	1423.6817	712.3448
362.2080	3	S	13	1324.6133	662.8106
449.2400	4	S	12	1237.5813	619.2946
506.2614	5	G	11	1150.5493	575.7786
603.3142	6	P	10	1093.5278	547.2678
704.3619	7	T	9	996.4750	498.7414
818.4048	8	N	8	**895.4274**	448.2176
889.4419	9	A	7	**781.3844**	391.1961
976.4740	10	S	6	**710.3473**	355.6776
1047.5111	11	A	5	**623.3153**	312.1616
1194.5795	12	F	4	**552.2782**	**276.6430**
1295.6272	13	T	3	**405.2098**	203.1088
1424.6698	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

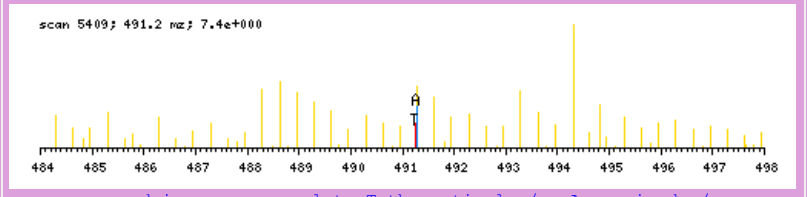
N-term:+29.04

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

FVSSSLPDICYR, MH+ 1471.7255, m/z 491.2467
L OS G13 P120811 220811-s1.05413.05413.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



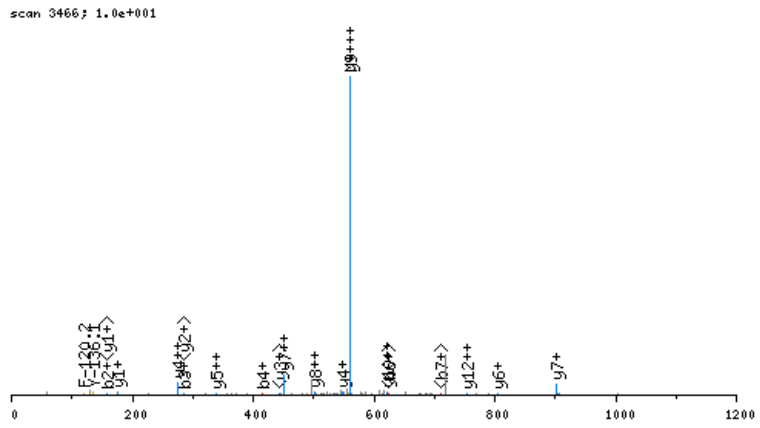
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
176.1075	1	F	12		
275.1759	2	V	11	1296.6258	648.8168
362.2080	3	S	10	1197.5573	599.2826
449.2400	4	S	9	1110.5253	555.7666
536.2720	5	S	8	1023.4933	512.2506
649.3561	6	L	7	936.4613	468.7345
746.4088	7	P	6	**823.3772**	**412.1925**
861.4358	8	D	5	**726.3244**	363.6661
974.5198	9	I	4	**611.2975**	306.1527
1134.5504	10	C	3	**498.2134**	249.6106
1297.6138	11	Y	2	**338.1828**	169.5953
	12	R	1	175.1195	88.0637

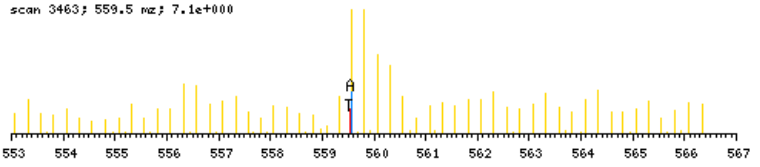
N-term:+29.04 C(10):+160.03

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

GAEEAKSFDQLTPEESKER, MH+ 2235.1145, m/z 559.5341
L OS G17 P120811 220811-s1.03466.03466.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



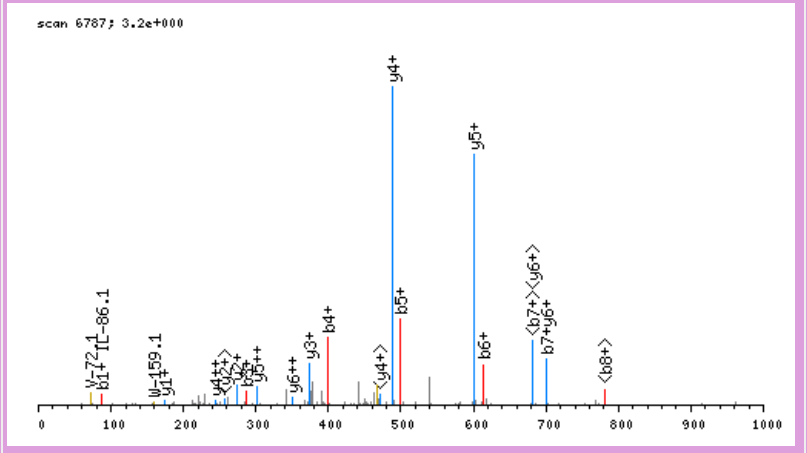
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	19		
157.0977	2	A	18	2150.0618	1075.5348
286.1403	3	E	17	2079.0247	1040.0163
415.1829	4	E	16	1949.9821	975.4950
486.2200	5	A	15	1820.9395	910.9737
642.3463	6	K	14	1749.9024	875.4551
729.3783	7	S	13	1593.7761	797.3920
876.4467	8	F	12	1506.7440	**753.8759**
991.4737	9	D	11	1359.6756	680.3417
1119.5322	10	Q	10	1244.6487	**622.8283**
1232.6163	11	L	9	1116.5901	**558.7990**
1333.6640	12	T	8	1003.5061	**502.2569**
1430.7167	13	P	7	**902.4584**	**451.7331**
1559.7593	14	E	6	**805.4056**	403.2067
1688.8019	15	E	5	676.3630	**338.6854**
1775.8340	16	S	4	**547.3204**	**274.1641**
1931.9603	17	K	3	460.2884	230.6481
2061.0029	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

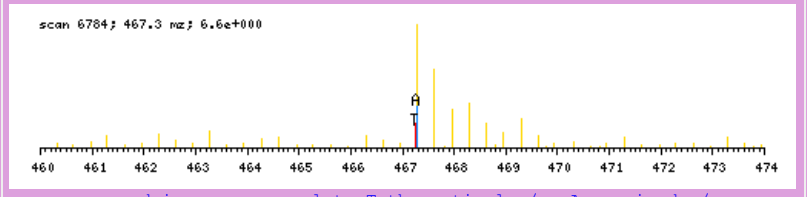
N-term:+29.04 K(6):+156.13
K(17):+156.13

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

GAELVDSVLDVVR, MH+ 1399.7796, m/z 467.2647
L OS G13 P120811 220811-s1.06787.06787.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



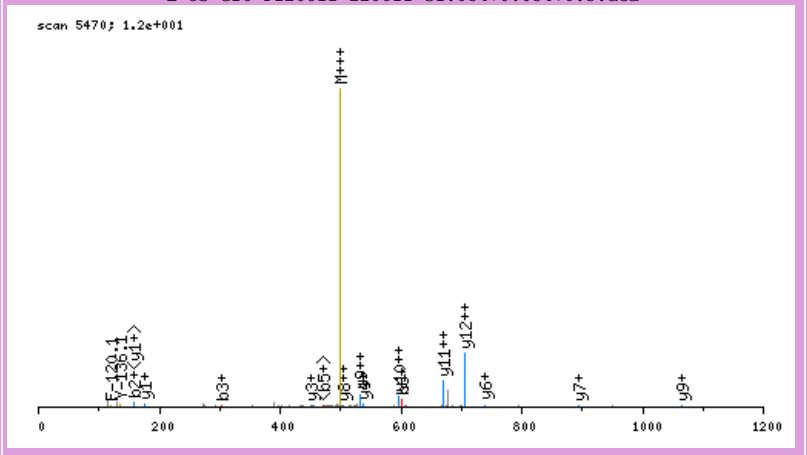
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
157.0977	2	A	12	1314.7269	657.8674
286.1403	3	E	11	1243.6898	622.3488
399.2243	4	L	10	1114.6472	557.8275
498.2927	5	V	9	1001.5631	501.2855
613.3197	6	D	8	902.4947	451.7513
700.3517	7	S	7	787.4678	394.2378
799.4201	8	V	6	700.4357	350.7218
912.5042	9	L	5	601.3673	301.1876
1027.5311	10	D	4	488.2833	244.6455
1126.5996	11	V	3	373.2563	187.1321
1225.6680	12	V	2	274.1879	137.5979
	13	R	1	175.1195	88.0637

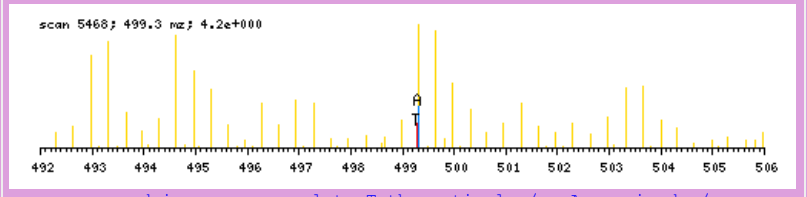
N-term:+29.04

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

GAFQGLKSLSYIR, MH+ 1495.8637, m/z 499.2927
L OS G16 P120811 220811-s1.05470.05470.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



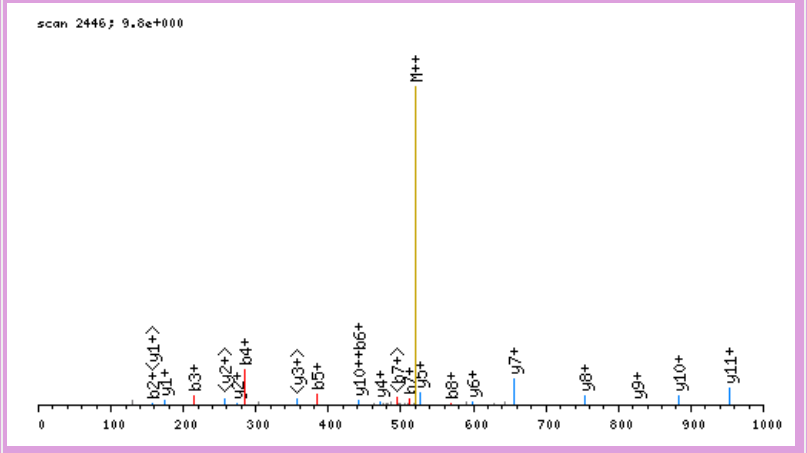
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
157.0977	2	A	12	1410.8109	**705.9094**
304.1661	3	F	11	1339.7738	**670.3908**
432.2247	4	Q	10	1192.7054	**596.8566**
489.2461	5	G	9	**1064.6468**	**532.8273**
602.3302	6	L	8	1007.6254	**504.3166**
758.4565	7	K	7	**894.5413**	447.7746
845.4885	8	S	6	**738.4150**	369.7114
958.5726	9	L	5	651.3830	326.1954
1045.6046	10	S	4	**538.2989**	269.6534
1208.6679	11	Y	3	**451.2669**	226.1374
1321.7520	12	I	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

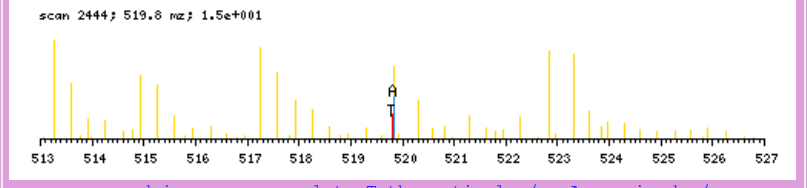
N-term:+29.04 K(7):+156.13

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

GAGAVGAGPVVR, MH+ 1038.6060, m/z 519.8066
L OS G13 P120811 220811-s1.02446.02446.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



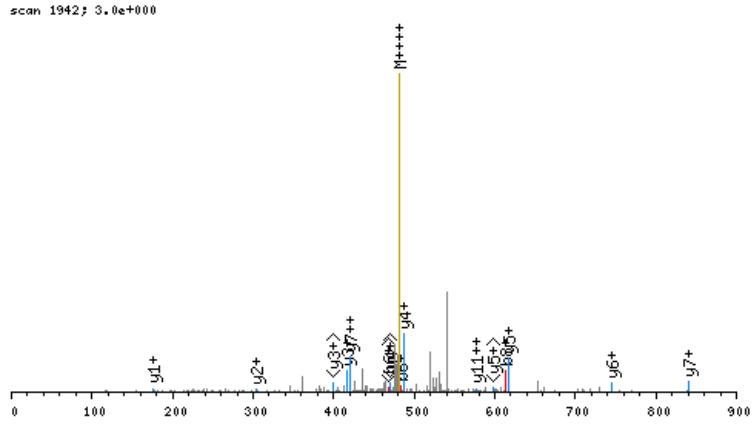
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
157.0977	2	A	11	953.5532	477.2805
214.1191	3	G	10	882.5161	441.7620
285.1563	4	A	9	825.4947	413.2512
384.2247	5	V	8	754.4575	377.7327
441.2461	6	G	7	655.3891	328.1985
512.2832	7	A	6	598.3677	299.6877
569.3047	8	G	5	527.3306	264.1692
666.3575	9	P	4	470.3091	235.6585
765.4259	10	V	3	373.2563	187.1321
864.4943	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

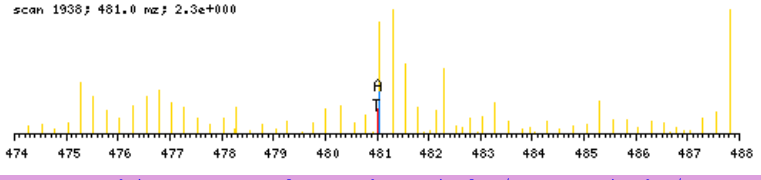
N-term:+29.04

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

GAGGGKAGKGGPTPQEAIQR, MH+ 1921.0620, m/z 481.0210
L OS G17 P120811 220811-s1.01942.01942.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



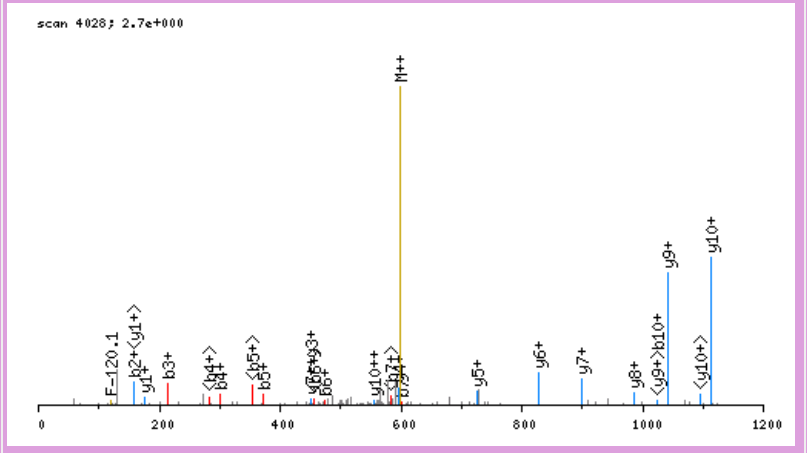
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
157.0977	2	A	19	1836.0092	918.5085
214.1191	3	G	18	1764.9721	882.9900
271.1406	4	G	17	1707.9507	854.4792
328.1621	5	G	16	1650.9292	825.9685
484.2884	6	K	15	1593.9077	797.4578
555.3255	7	A	14	1437.7814	719.3946
612.3469	8	G	13	1366.7443	683.8761
768.4732	9	K	12	1309.7229	655.3653
825.4947	10	G	11	1153.5966	**577.3022**
882.5162	11	G	10	1096.5751	548.7915
979.5689	12	P	9	1039.5536	520.2807
1080.6166	13	T	8	942.5009	471.7543
1177.6694	14	P	7	**841.4532**	**421.2305**
1305.7280	15	Q	6	**744.4004**	372.7041
1434.7706	16	E	5	**616.3418**	308.6748
1505.8077	17	A	4	**487.2993**	244.1535
1618.8917	18	I	3	**416.2621**	208.6350
1746.9503	19	Q	2	**303.1781**	152.0930
	20	R	1	**175.1195**	88.0637

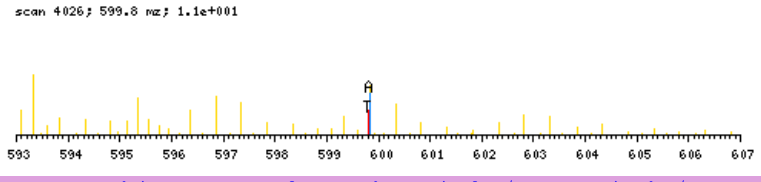
N-term:+29.04 K(6):+156.13
K(9):+156.13

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

GAGSATEFQFR, MH+ 1198.5856, m/z 599.7965
L OS G14 P120811 220811-s1.04028.04028.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



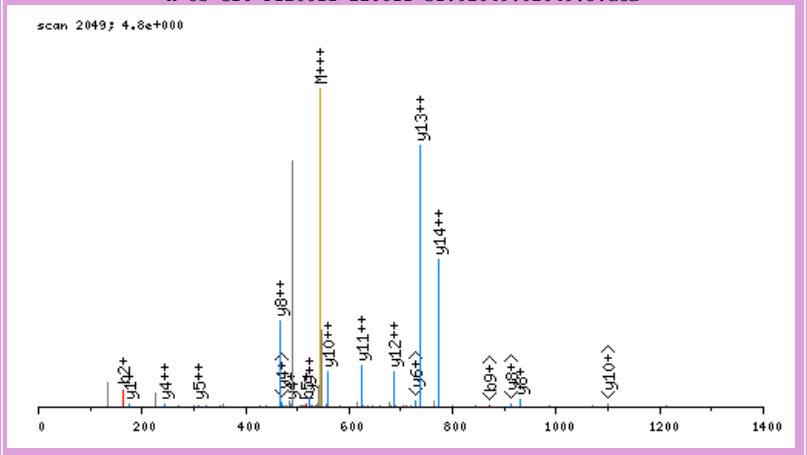
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
157.0977	2	A	10	1113.5329	557.2704
214.1191	3	G	9	1042.4958	521.7518
301.1512	4	S	8	985.4743	493.2411
372.1883	5	A	7	898.4423	449.7251
473.2360	6	T	6	827.4052	414.2065
602.2786	7	E	5	726.3575	363.6827
749.3470	8	F	4	597.3149	299.1614
877.4055	9	Q	3	450.2465	225.6272
1024.4740	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

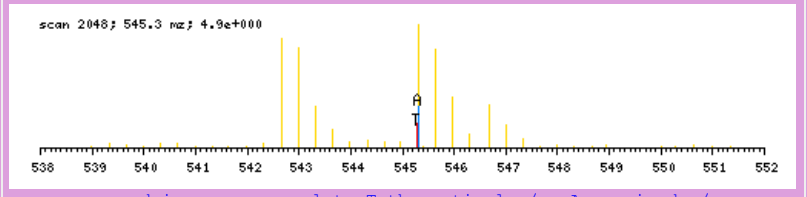
N-term:+29.04

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

GAPEEADANEEGVRR, MH+ 1633.7994, m/z 545.2713
H OS G16 P120811 220811-s1.02049.02049.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



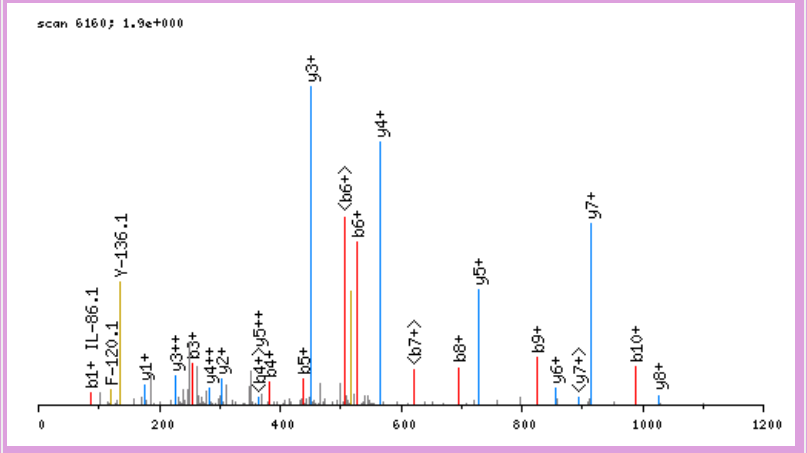
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
163.1295	2	A	14	1542.7148	**771.8613**
260.1822	3	P	13	1471.6777	**736.3428**
389.2248	4	E	12	1374.6250	**687.8164**
518.2674	5	E	11	1245.5824	**623.2951**
589.3045	6	A	10	1116.5398	**558.7738**
704.3315	7	D	9	1045.5027	**523.2552**
775.3686	8	A	8	**930.4757**	**465.7418**
889.4115	9	N	7	859.4386	430.2232
1018.4541	10	E	6	745.3957	373.2018
1147.4967	11	E	5	616.3531	**308.6805**
1204.5182	12	G	4	**487.3105**	**244.1592**
1303.5866	13	V	3	430.2890	215.6484
1459.6877	14	R	2	331.2206	166.1142
	15	R	1	**175.1195**	88.0637

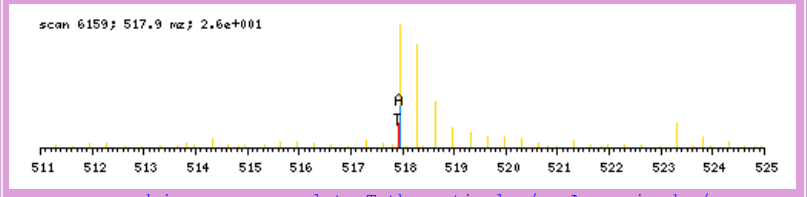
N-term:+35.07

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

GAPQGSLGEYLFER, MH+ 1551.7807, m/z 517.9318
L OS G13 P120811 220811-s1.06160.06160.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



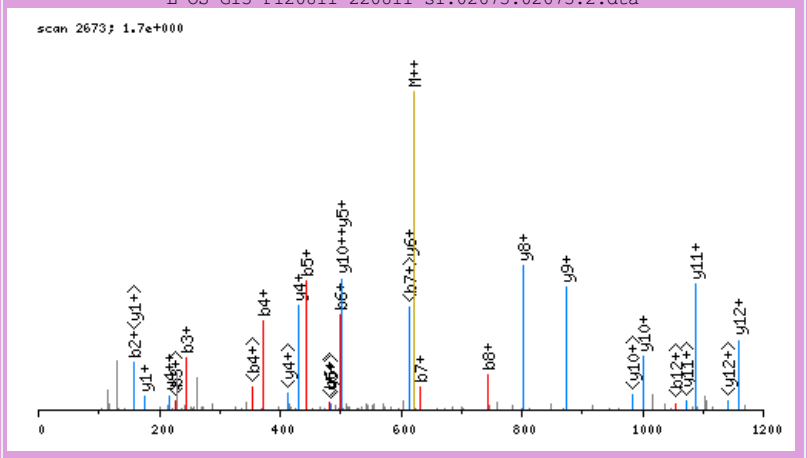
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
157.0977	2	A	13	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

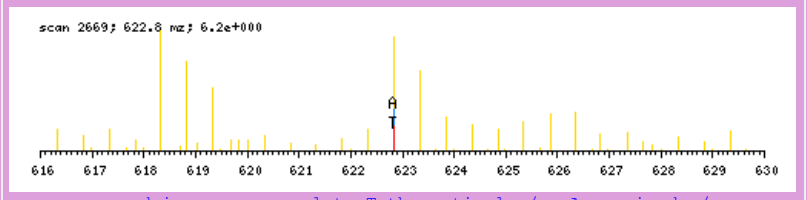
N-term:+29.04

GASQAGMLAPGTR, MH+ 1244.6421, m/z 622.8247
L OS G13 P120811 220811-s1.02673.02673.2.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±]



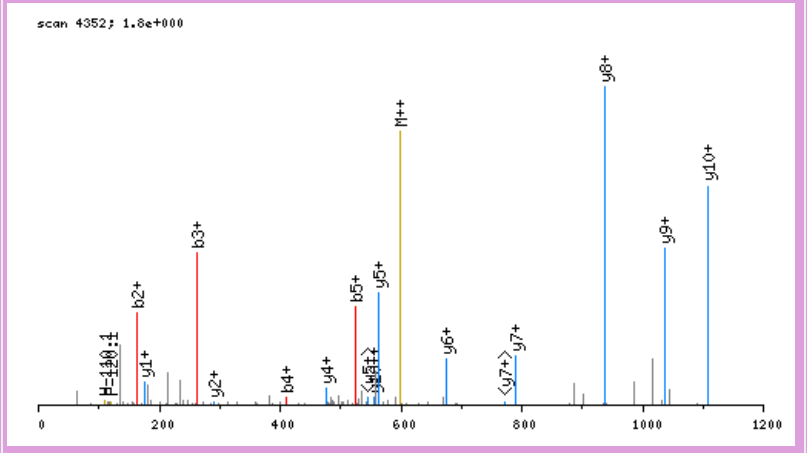
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
157.0977	2	A	12	**1159.5894**	580.2986
244.1297	3	S	11	**1088.5523**	544.7800
372.1883	4	Q	10	**1001.5202**	**501.2640**
443.2254	5	A	9	**873.4616**	437.2347
500.2469	6	G	8	**802.4245**	401.7162
631.2873	7	M	7	745.4031	373.2054
744.3714	8	L	6	**614.3626**	307.6852
815.4085	9	A	5	**501.2785**	251.1432
912.4613	10	P	4	**430.2414**	**215.6246**
969.4828	11	G	3	333.1886	167.0982
1070.5304	12	T	2	276.1672	138.5875
	13	R	1	**175.1195**	88.0637

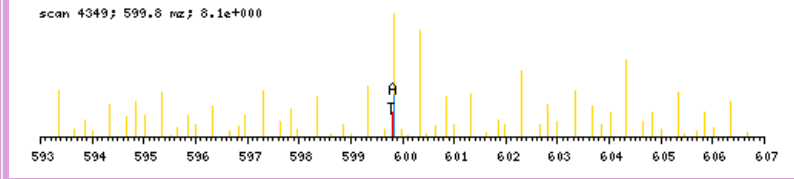
N-term:+29.04

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

GAVFDISNADR, MH+ 1198.6280, m/z 599.8176
H OS G13 P120811 220811-s1.04352.04352.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



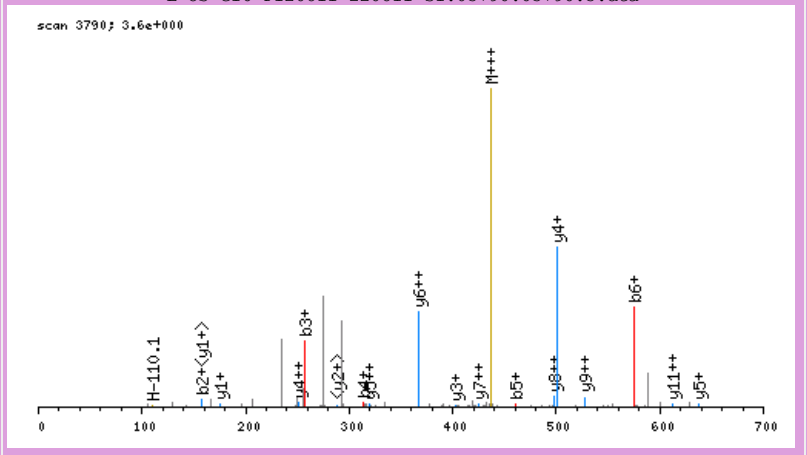
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
163.1295	2	A	10	1107.5435	554.2756
262.1979	3	V	9	1036.5063	518.7571
409.2663	4	F	8	937.4379	469.2229
524.2932	5	D	7	790.3695	395.6887
637.3773	6	I	6	675.3426	338.1752
724.4093	7	S	5	562.2585	281.6332
838.4523	8	N	4	475.2265	238.1172
909.4894	9	A	3	361.1836	181.0957
1024.5163	10	D	2	290.1464	145.5771
	11	R	1	175.1195	88.0637

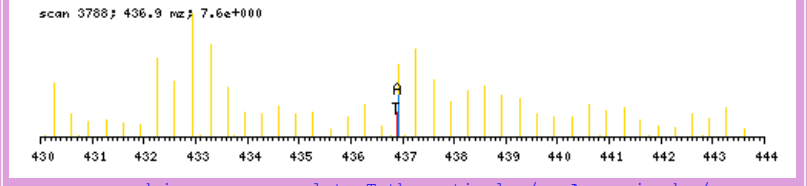
N-term:+35.07

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

GAVGFDPHPPMR, MH+ 1308.6523, m/z 436.8889
L OS G16 P120811 220811-s1.03790.03790.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



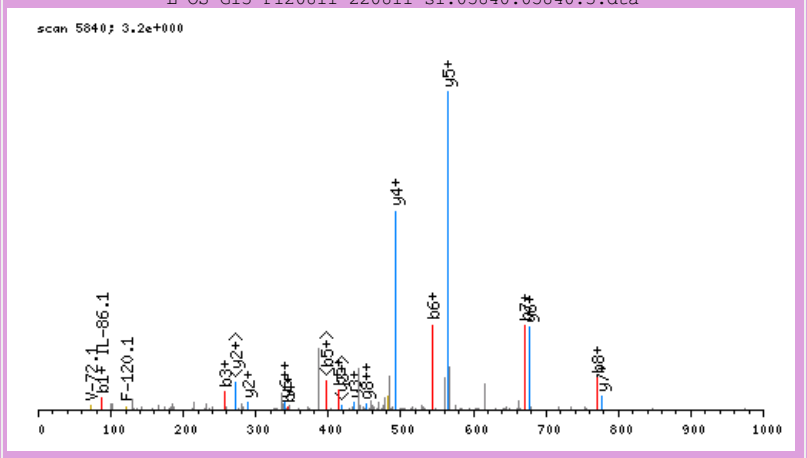
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
157.0977	2	A	11	1223.5995	612.3037
256.1661	3	V	10	1152.5624	576.7851
313.1876	4	G	9	1053.4940	527.2509
460.2560	5	F	8	996.4725	498.7402
575.2829	6	D	7	849.4041	425.2060
672.3357	7	P	6	734.3772	367.6925
809.3946	8	H	5	637.3244	319.1661
906.4474	9	P	4	500.2655	250.6367
1003.5001	10	P	3	403.2127	202.1103
1134.5406	11	M	2	306.1600	153.5839
	12	R	1	175.1195	88.0637

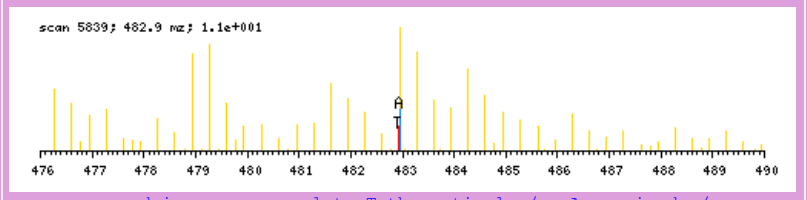
N-term:+29.04

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

GAVSAEQVIAGFNR, MH+ 1446.7705, m/z 482.9283
L OS G13 P120811 220811-s1.05840.05840.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



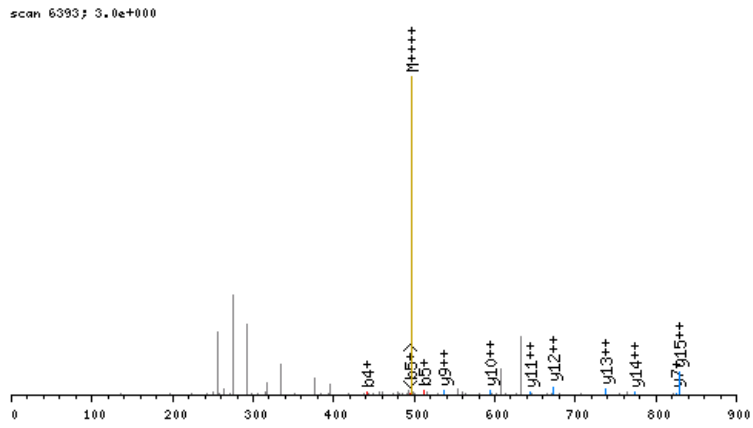
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**14**		
157.0977	**2**	**A**	**13**	1361.7177	681.3628
256.1661	**3**	**V**	**12**	1290.6806	645.8442
343.1981	**4**	**S**	**11**	1191.6122	596.3100
414.2352	**5**	**A**	**10**	1104.5802	552.7940
543.2778	**6**	**E**	**9**	1033.5431	517.2754
671.3364	**7**	**Q**	**8**	904.5005	**452.7542**
770.4048	**8**	**V**	**7**	**776.4419**	388.7249
883.4889	**9**	**I**	**6**	**677.3735**	**339.1907**
954.5260	**10**	**A**	**5**	**564.2894**	282.6486
1011.5475	**11**	**G**	**4**	**493.2523**	247.1301
1158.6159	**12**	**F**	**3**	**436.2308**	218.6193
1272.6588	**13**	**N**	**2**	**289.1624**	145.0851
	14	**R**	**1**	175.1195	88.0637

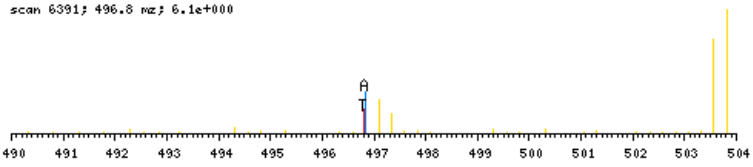
N-term:+29.04

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

GAYDAQGTLSKIFKLGGR, MH+ 1984.2080, m/z 496.8075
H OS G17 P120811 220811-s1.06393.06393.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



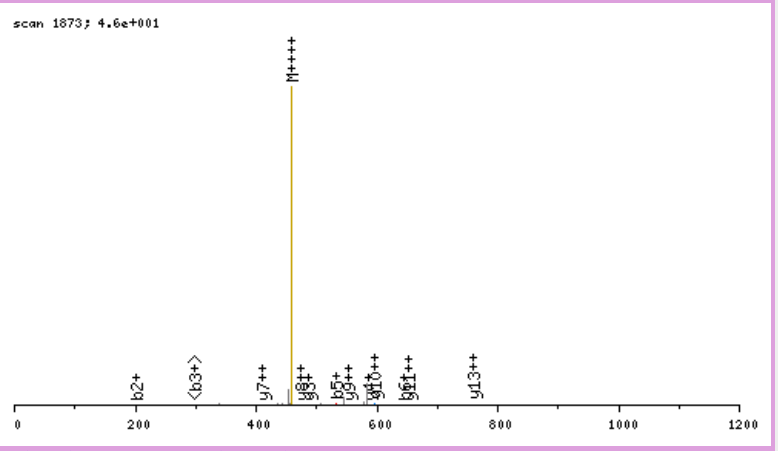
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

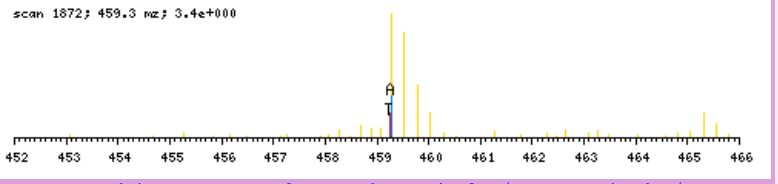
N-term:+35.07 K(11):+162.16
K(14):+162.16

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

GDDSEISKESSGVKKR, MH+ 1833.9923, m/z 459.2535
L OS G18 P120811 220811-s1.01873.01873.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



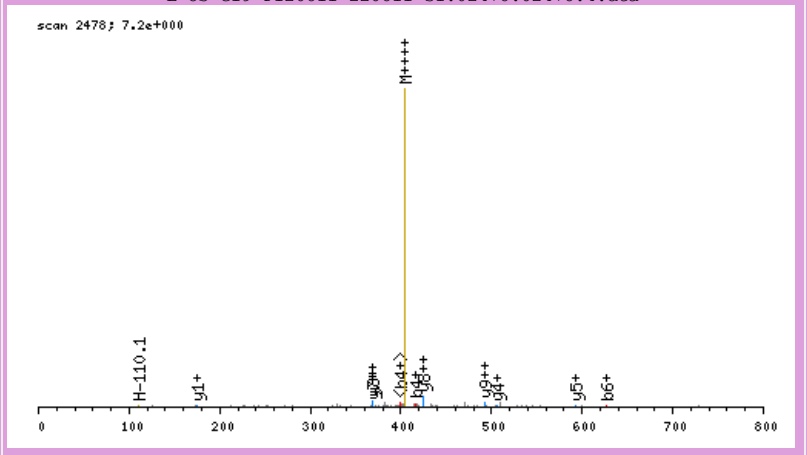
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
201.0875	2	D	15	1748.9395	874.9737
316.1144	3	D	14	1633.9126	817.4602
403.1465	4	S	13	1518.8856	**759.9467**
532.1891	5	E	12	1431.8536	716.4307
645.2731	6	I	11	1302.8110	**651.9094**
732.3052	7	S	10	1189.7270	**595.3674**
888.4315	8	K	9	1102.6949	**551.8514**
1017.4741	9	E	8	946.5686	**473.7882**
1104.5061	10	S	7	817.5260	**409.2669**
1191.5381	11	S	6	730.4940	365.7509
1248.5596	12	G	5	643.4620	322.2349
1347.6280	13	V	4	**586.4405**	293.7242
1503.7543	14	K	3	**487.3721**	244.1900
1659.8806	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

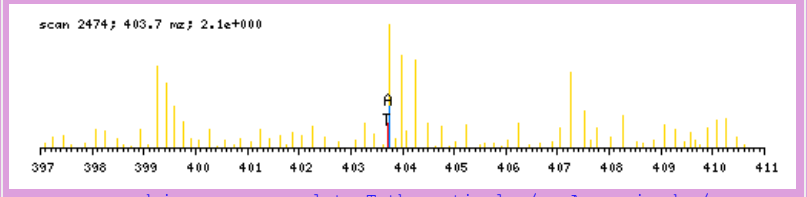
N-term:+29.04 K(8):+156.13
K(14):+156.13 K(15):+156.13

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

GDDTPLHLAASHGHR, MH+ 1611.7992, m/z 403.7052
L OS G19 P120811 220811-s1.02478.02478.4.dta



click image to zoom in; 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	1526.7464	763.8771
316.1144	3	D	13	1411.7195	706.3636
417.1621	4	T	12	1296.6925	648.8502
514.2149	5	P	11	1195.6448	598.3263
627.2990	6	L	10	1098.5921	549.8000
764.3579	7	H	9	985.5080	**493.2579**
877.4419	8	L	8	848.4491	**424.7285**
948.4790	9	A	7	735.3650	**368.1864**
1019.5162	10	A	6	664.3279	332.6679
1106.5482	11	S	5	**593.2908**	297.1493
1243.6071	12	H	4	**506.2588**	253.6333
1300.6286	13	G	3	**369.1999**	185.1039
1437.6875	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+

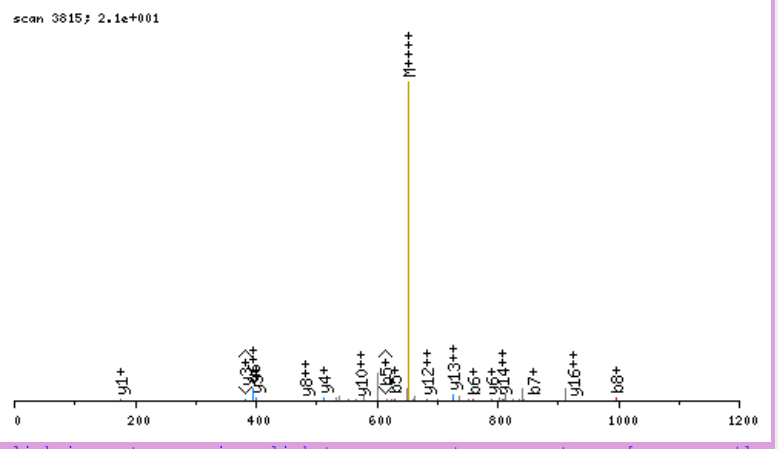
z ☐+ ☐2+ ☐3+

hide H_2O/NH_3 ☐

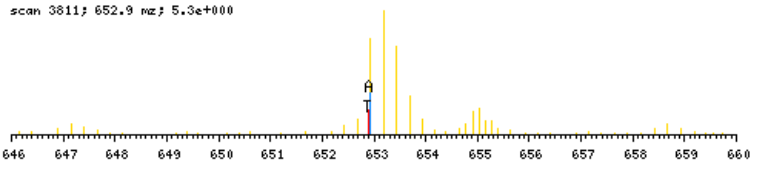
zoom 112-122 ☐

GO

GDFNKEVHKSGYLAGDKLLPQR, MH+ 2608.5524, m/z 652.8936
H OS G19 P120811 220811-s1.03815.03815.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



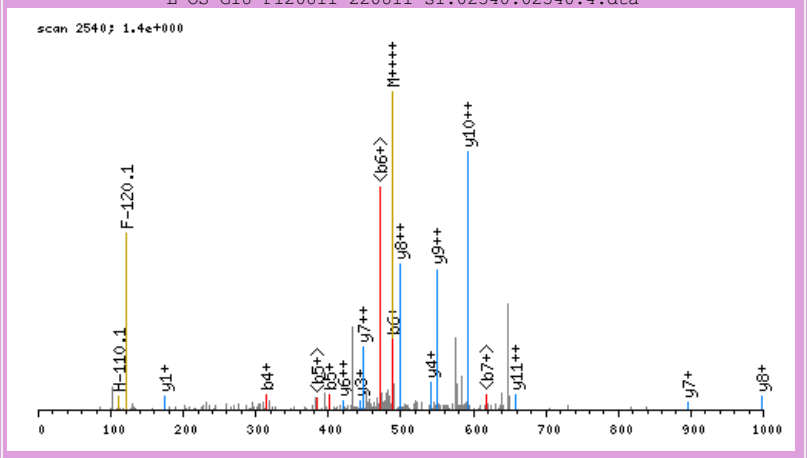
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	22		
207.1193	2	D	21	2517.4679	1259.2379
354.1877	3	F	20	2402.4409	1201.7244
468.2306	4	N	19	2255.3725	1128.1902
630.3887	5	K	18	2141.3296	1071.1687
759.4313	6	E	17	1979.1715	990.0897
858.4998	7	V	16	1850.1289	**925.5684**
995.5587	8	H	15	1751.0605	876.0342
1157.7168	9	K	14	1614.0016	**807.5047**
1244.7488	10	S	13	1451.8435	**726.4257**
1301.7703	11	G	12	1364.8114	**682.9096**
1464.8336	12	Y	11	1307.7900	654.3989
1577.9177	13	L	10	1144.7267	**572.8672**
1648.9548	14	A	9	1031.6426	516.3252
1705.9762	15	G	8	960.6055	**480.8067**
1821.0032	16	D	7	903.5840	452.2959
1983.1613	17	K	6	**788.5571**	**394.7824**
2096.2453	18	L	5	626.3990	313.7034
2209.3294	19	L	4	**513.3149**	257.1614
2306.3822	20	P	3	**400.2308**	200.6193
2434.4407	21	Q	2	303.1781	152.0930
	22	R	1	**175.1195**	88.0637

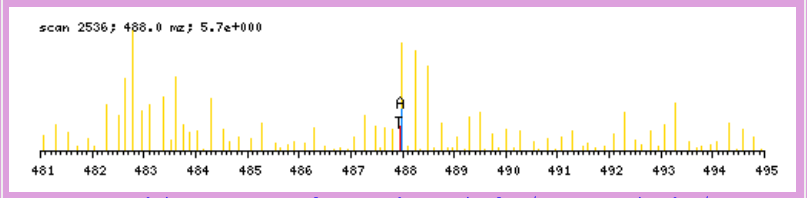
N-term:+35.07 K(5):+162.16
K(9):+162.16 K(17):+162.16

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

GDGGSSFQSTTGHCVHMR, MH+ 1948.8393, m/z 487.9653
L OS G18 P120811 220811-s1.02540.02540.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



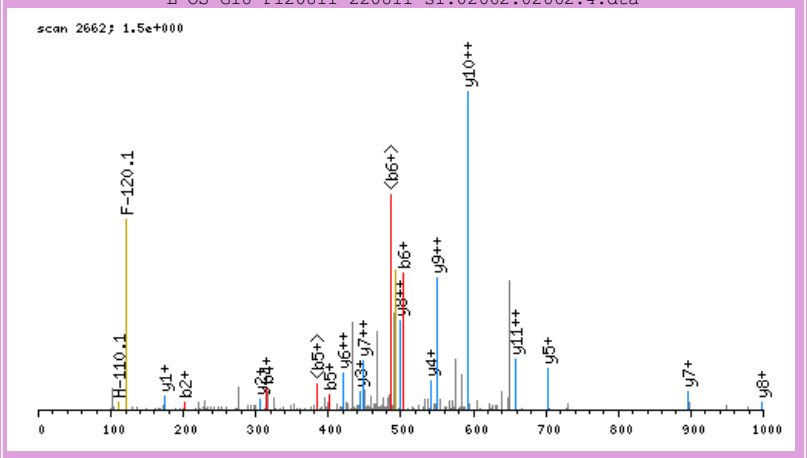
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1863.7866	932.3972
258.1090	3	G	16	1748.7596	874.8837
315.1304	4	G	15	1691.7382	846.3730
402.1625	5	S	14	1634.7167	817.8623
489.1945	6	S	13	1547.6847	774.3463
636.2629	7	F	12	1460.6527	730.8302
764.3215	8	Q	11	1313.5842	**657.2960**
851.3535	9	S	10	1185.5257	**593.2667**
952.4012	10	T	9	1098.4936	**549.7507**
1053.4489	11	T	8	**997.4460**	**499.2269**
1110.4703	12	G	7	**896.3983**	**448.7031**
1247.5292	13	H	6	839.3768	**420.1923**
1407.5598	14	C	5	702.3179	351.6629
1506.6283	15	V	4	**542.2873**	271.6476
1643.6872	16	H	3	**443.2189**	222.1134
1774.7277	17	M	2	306.1600	153.5839
	18	R	1	**175.1195**	88.0637

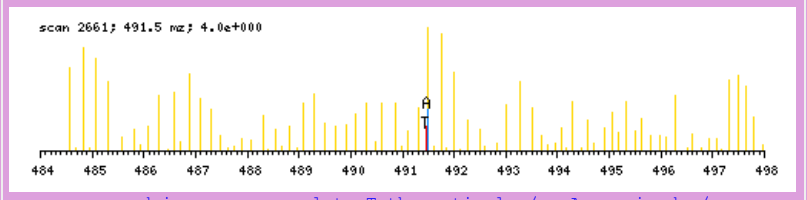
N-term:+29.04 C(14):+160.03

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

GDGGSTFQSTTGHCVHMR, MH+ 1962.8550, m/z 491.4692
L OS G18 P120811 220811-s1.02662.02662.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



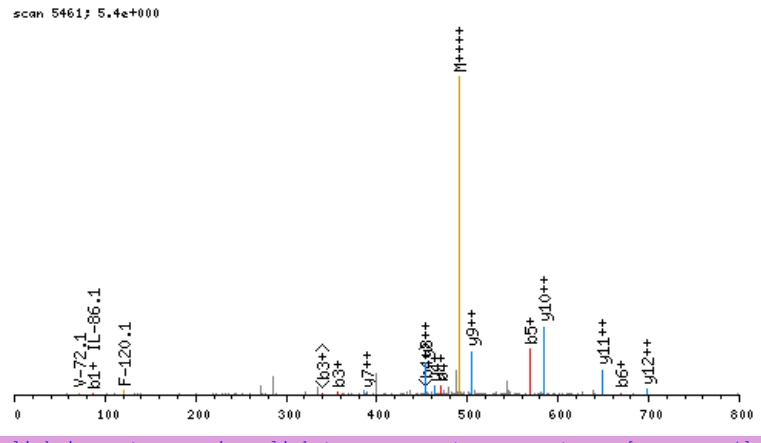
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1877.8022	939.4050
258.1090	3	G	16	1762.7753	881.8916
315.1304	4	G	15	1705.7538	853.3808
402.1625	5	S	14	1648.7324	824.8701
503.2101	6	T	13	1561.7003	781.3541
650.2786	7	F	12	1460.6527	730.8302
778.3371	8	Q	11	1313.5842	657.2960
865.3692	9	S	10	1185.5257	593.2667
966.4168	10	T	9	1098.4936	549.7507
1067.4645	11	T	8	997.4460	499.2269
1124.4860	12	G	7	896.3983	448.7031
1261.5449	13	H	6	839.3768	420.1923
1421.5755	14	C	5	702.3179	351.6629
1520.6439	15	V	4	542.2873	271.6476
1657.7028	16	H	3	443.2189	222.1134
1788.7433	17	M	2	306.1600	153.5839
	18	R	1	175.1195	88.0637

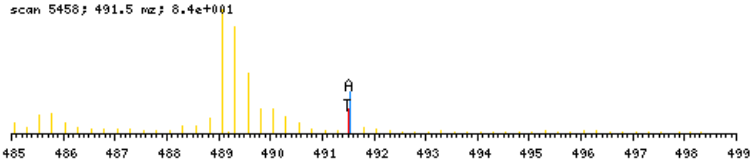
N-term:+29.04 C(14):+160.03

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

GDKLVVECVMKGVTSTR, MH+ 1963.0720, m/z 491.5235
L OS G17 P120811 220811-s1.05461.05461.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



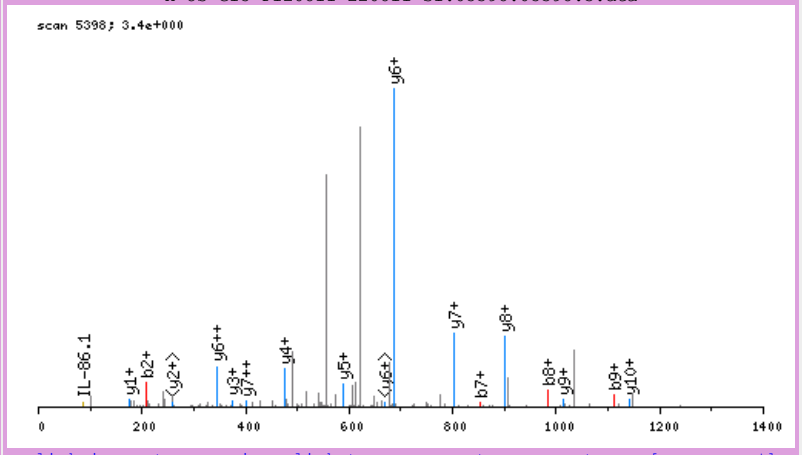
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
201.0875	2	D	16	1878.0193	939.5136
357.2138	3	K	15	1762.9923	882.0001
470.2979	4	L	14	1606.8660	803.9369
569.3663	5	V	13	1493.7820	747.3949
668.4347	6	V	12	1394.7136	**697.8607**
797.4773	7	E	11	1295.6452	**648.3265**
957.5079	8	C	10	1166.6026	**583.8052**
1056.5763	9	V	9	1006.5720	**503.7899**
1187.6168	10	M	8	907.5035	**454.2557**
1343.7431	11	K	7	776.4631	**388.7354**
1400.7646	12	G	6	620.3368	310.6723
1499.8330	13	V	5	563.3153	282.1616
1600.8806	14	T	4	**464.2469**	232.6274
1687.9127	15	S	3	363.1992	182.1035
1788.9604	16	T	2	276.1672	138.5875
	17	R	1	175.1195	88.0637

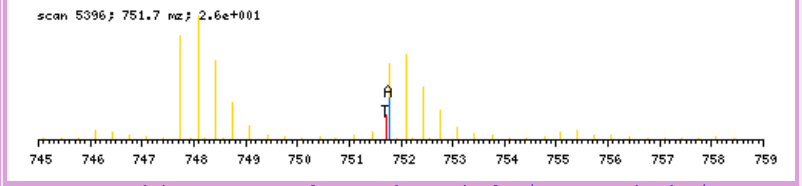
N-term:+29.04 K(3):+156.13
C(8):+160.03 K(11):+156.13

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

GDPKEEEEEELVDPLTTVR, MH+ 2253.1774, m/z 751.7307
H OS G15 P120811 220811-s1.05398.05398.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



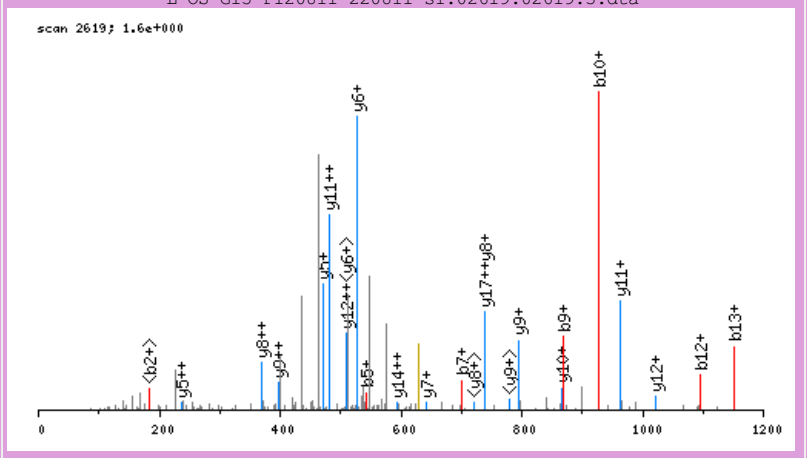
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

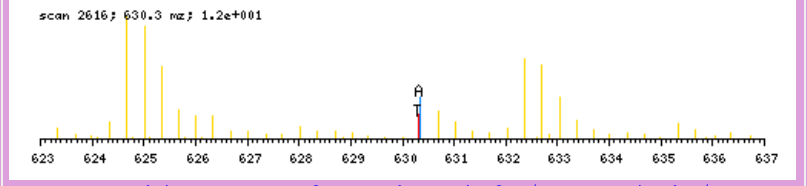
N-term:+35.07 K(4):+162.16

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+ 1888.9629, m/z 630.3258
L OS G15 P120811 220811-s1.02619.02619.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



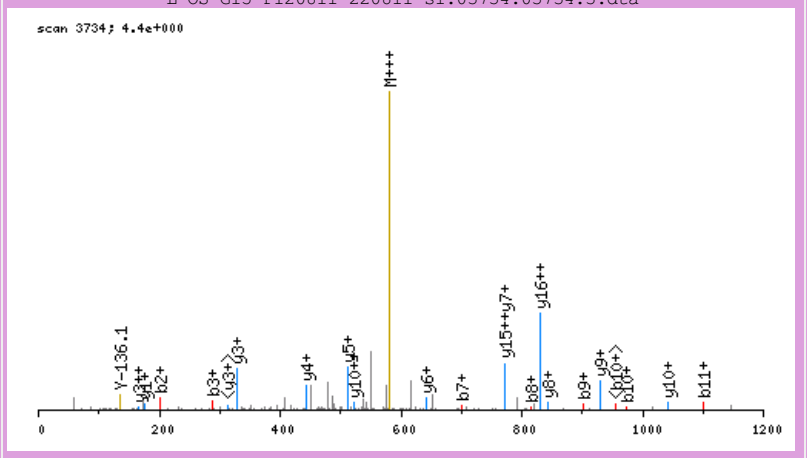
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
201.0875	2	D	20	1803.9102	902.4590
357.1886	3	R	19	1688.8832	844.9455
414.2101	4	G	18	1532.7821	766.8950
543.2527	5	E	17	1475.7607	**738.3842**
644.3004	6	T	16	1346.7181	673.8629
701.3218	7	G	15	1245.6704	623.3391
798.3746	8	P	14	1188.6489	**594.8284**
869.4117	9	A	13	1091.5962	546.3020
926.4332	10	G	12	**1020.5591**	**510.7834**
1023.4859	11	P	11	**963.5376**	**482.2727**
1094.5230	12	A	10	**866.4848**	433.7463
1151.5445	13	G	9	**795.4477**	**398.2278**
1248.5973	14	P	8	**738.4262**	**369.7170**
1361.6813	15	I	7	**641.3735**	321.1907
1418.7028	16	G	6	**528.2894**	264.6486
1515.7556	17	P	5	**471.2680**	**236.1379**
1586.7927	18	A	4	374.2152	187.6115
1643.8141	19	G	3	303.1781	152.0930
1714.8512	20	A	2	246.1566	123.5822
	21	R	1	175.1195	88.0637

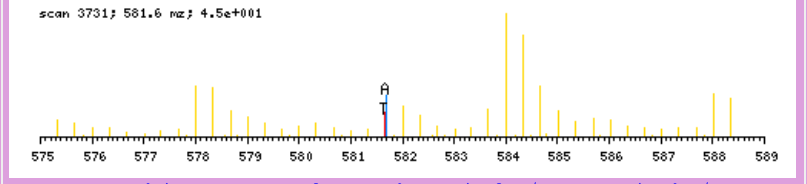
N-term:+29.04

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

GDSASKVISAEEALPGR, MH+ 1742.9289, m/z 581.6478
L OS G15 P120811 220811-s1.03734.03734.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



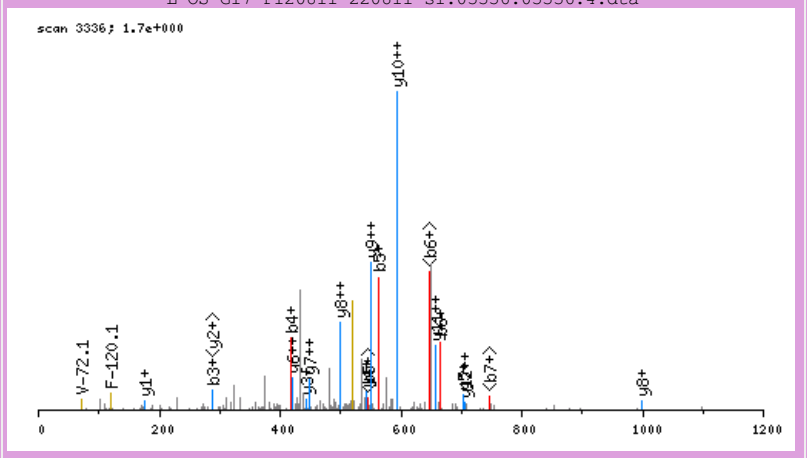
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
201.0875	2	D	16	1657.8761	**829.4420**
288.1195	3	S	15	1542.8492	**771.9285**
359.1566	4	A	14	1455.8172	728.4125
446.1887	5	S	13	1384.7800	692.8939
602.3150	6	K	12	1297.7480	649.3779
701.3834	7	V	11	1141.6217	571.3148
814.4675	8	I	10	**1042.5533**	**521.7806**
901.4995	9	S	9	**929.4692**	465.2385
972.5366	10	A	8	**842.4372**	421.7225
1101.5792	11	E	7	**771.4001**	386.2040
1230.6218	12	E	6	**642.3575**	321.6827
1301.6589	13	A	5	**513.3149**	257.1614
1414.7430	14	L	4	**442.2778**	221.6428
1511.7957	15	P	3	**329.1937**	**165.1008**
1568.8172	16	G	2	232.1410	116.5744
	17	R	1	**175.1195**	88.0637

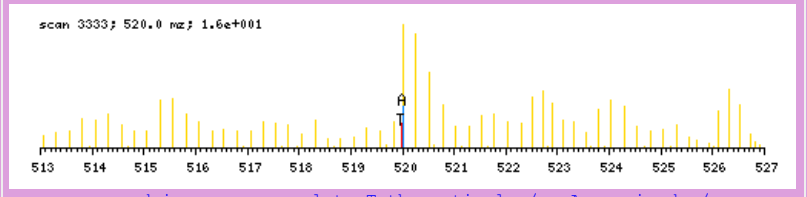
N-term:+29.04 K(6):+156.13

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

GDSEFTVQSTTGHCVHMR, MH+ 2076.9231, m/z 519.9862
L OS G17 P120811 220811-s1.03336.03336.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



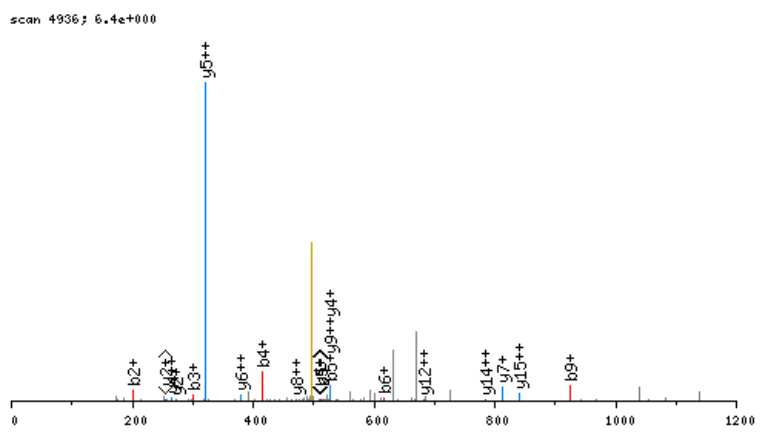
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1991.8703	996.4391
288.1195	3	S	16	1876.8434	938.9256
417.1621	4	E	15	1789.8113	895.4096
564.2305	5	F	14	1660.7688	830.8883
665.2782	6	T	13	1513.7003	757.3541
764.3466	7	V	12	1412.6527	**706.8302**
892.4052	8	Q	11	1313.5842	**657.2960**
979.4372	9	S	10	1185.5257	**593.2667**
1080.4849	10	T	9	1098.4936	**549.7507**
1181.5326	11	T	8	**997.4460**	**499.2269**
1238.5541	12	G	7	896.3983	**448.7031**
1375.6130	13	H	6	839.3768	**420.1923**
1535.6436	14	C	5	**702.3179**	351.6629
1634.7120	15	V	4	**542.2873**	271.6476
1771.7709	16	H	3	**443.2189**	222.1134
1902.8114	17	M	2	306.1600	153.5839
	18	R	1	**175.1195**	88.0637

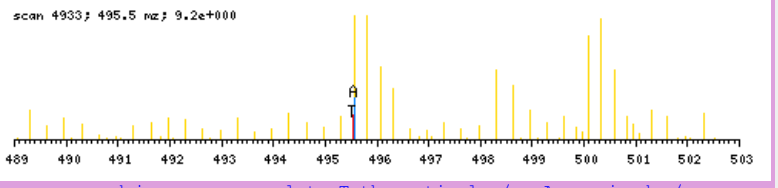
N-term:+29.04 C(14):+160.03

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

GDVDISGPKLEGDIKVPR, MH+ 1979.1178, m/z 495.5349
L OS G16 P120811 220811-s1.04936.04936.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



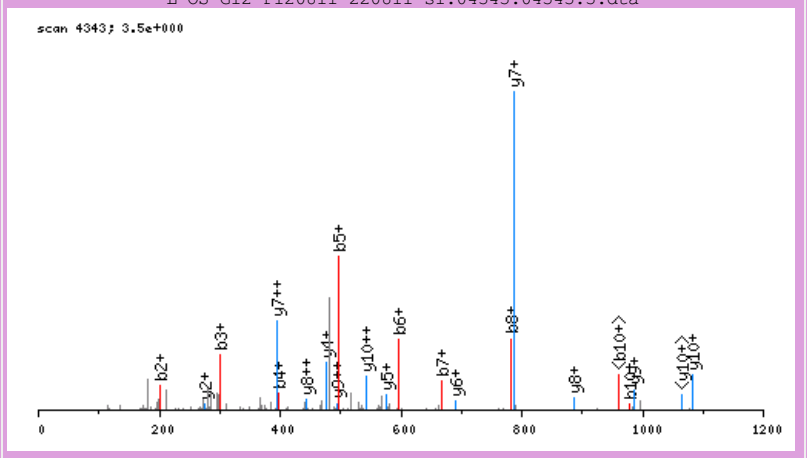
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1894.0650	947.5364
300.1559	3	V	16	1779.0381	890.0230
415.1829	4	D	15	1679.9697	**840.4887**
528.2669	5	I	14	1564.9427	**782.9753**
615.2990	6	S	13	1451.8587	726.4332
672.3204	7	G	12	1364.8266	**682.9172**
769.3732	8	P	11	1307.8052	654.4065
925.4995	9	K	10	1210.7524	605.8801
1038.5835	10	L	9	1054.6261	**527.8170**
1167.6261	11	E	8	941.5420	**471.2749**
1224.6476	12	G	7	**812.4994**	406.7536
1339.6745	13	D	6	755.4780	**378.2429**
1452.7586	14	I	5	640.4510	**320.7294**
1608.8849	15	K	4	**527.3670**	**264.1874**
1707.9533	16	V	3	371.2407	186.1243
1805.0061	17	P	2	**272.1723**	136.5900
	18	R	1	175.1195	88.0637

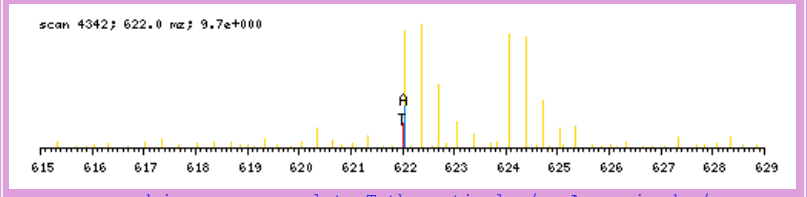
N-term:+29.04 K(9):+156.13
K(15):+156.13

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

GDVPVVADPTVPNVTVTR, MH+ 1864.0180, m/z 622.0108
L OS G12 P120811 220811-s1.04343.04343.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

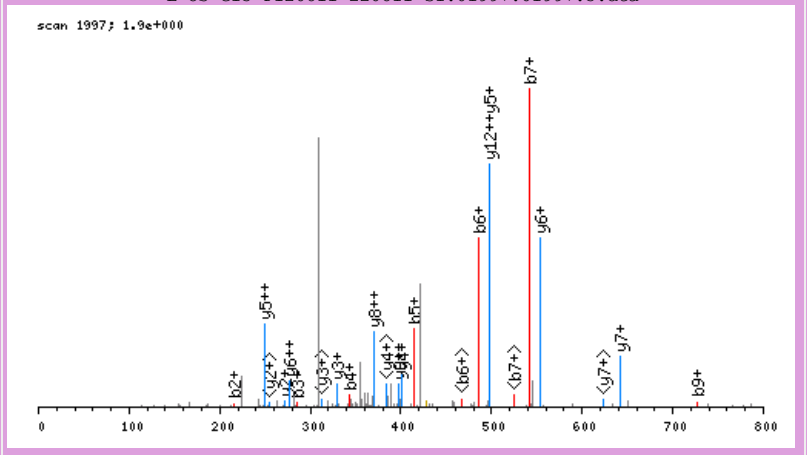


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

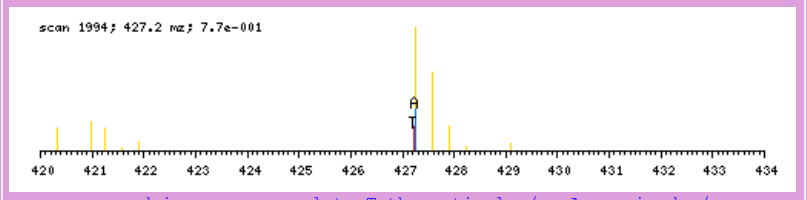
b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
201.0875	2	D	17	1778.9652	889.9865
300.1559	3	V	16	1663.9383	832.4731
397.2087	4	P	15	1564.8699	782.9389
496.2771	5	V	14	1467.8171	734.4125
595.3455	6	V	13	1368.7487	684.8783
666.3826	7	A	12	1269.6803	635.3441
781.4096	8	D	11	1198.6432	599.8255
878.4623	9	P	10	**1083.6162**	**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

GEAGAAGPSGPAGPR, MH+ 1279.6395, m/z 427.2180
L OS G13 P120811 220811-s1.01997.01997.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

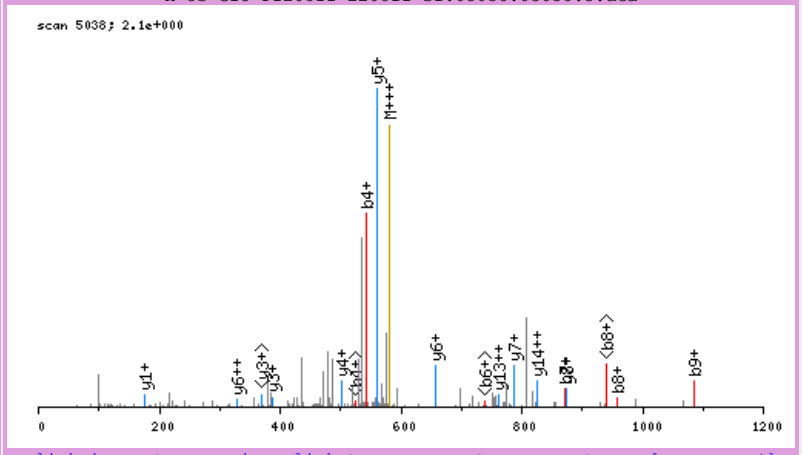
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
215.1032	2	E	14	1194.5867	597.7973
286.1403	3	A	13	1065.5441	533.2760
343.1617	4	G	12	994.5070	**497.7574**
414.1988	5	A	11	937.4856	469.2467
485.2360	6	A	10	866.4484	433.7281
542.2574	7	G	9	795.4113	**398.2096**
639.3102	8	P	8	738.3899	**369.6988**
726.3422	9	S	7	**641.3371**	321.1725
783.3637	10	G	6	**554.3051**	**277.6564**
880.4164	11	P	5	**497.2836**	**249.1457**
951.4536	12	A	4	**400.2308**	200.6193
1008.4750	13	G	3	**329.1937**	165.1008
1105.5278	14	P	2	**272.1723**	136.5900
	15	R	1	175.1195	88.0637

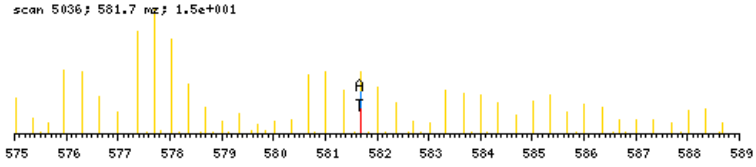
N-term:+29.04

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

GECKITLSQVGDVLR, MH+ 1743.0110, m/z 581.6752
H OS G15 P120811 220811-s1.05038.05038.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



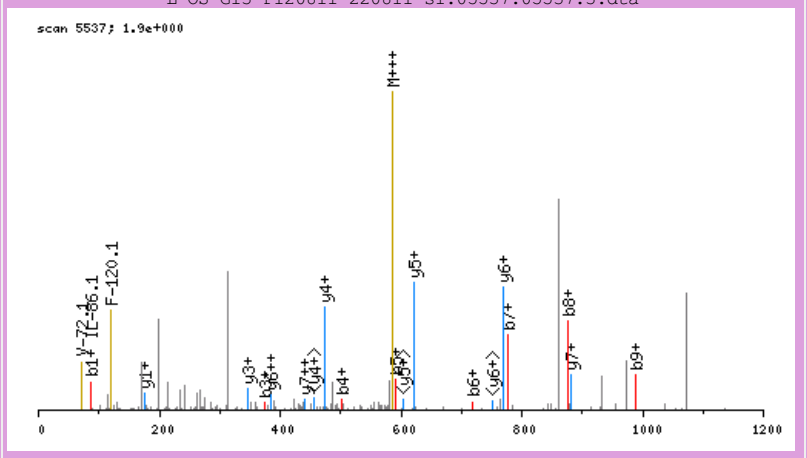
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
221.1350	2	E	14	1651.9265	**826.4672**
381.1656	3	C	13	1522.8839	**761.9459**
543.3237	4	K	12	1362.8533	681.9306
656.4077	5	I	11	1200.6952	600.8515
757.4554	6	T	10	1087.6111	544.3095
870.5395	7	L	9	986.5635	493.7856
957.5715	8	S	8	**873.4794**	437.2436
1085.6301	9	Q	7	**786.4474**	393.7276
1184.6985	10	V	6	**658.3888**	**329.6983**
1241.7199	11	G	5	**559.3204**	280.1641
1356.7469	12	D	4	**502.2989**	251.6534
1455.8153	13	V	3	**387.2720**	194.1399
1568.8994	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

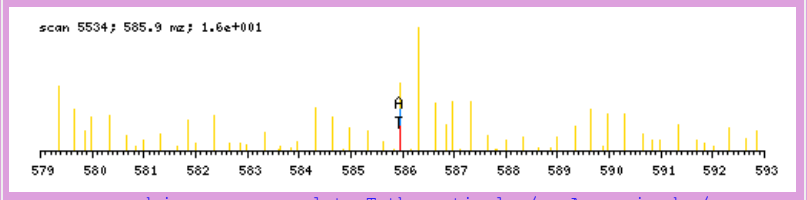
N-term:+35.07 C(3):+160.03
K(4):+162.16

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

GECQSEGVLFFQGNR, MH+ 1755.8124, m/z 585.9423
L OS G13 P120811 220811-s1.05537.05537.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



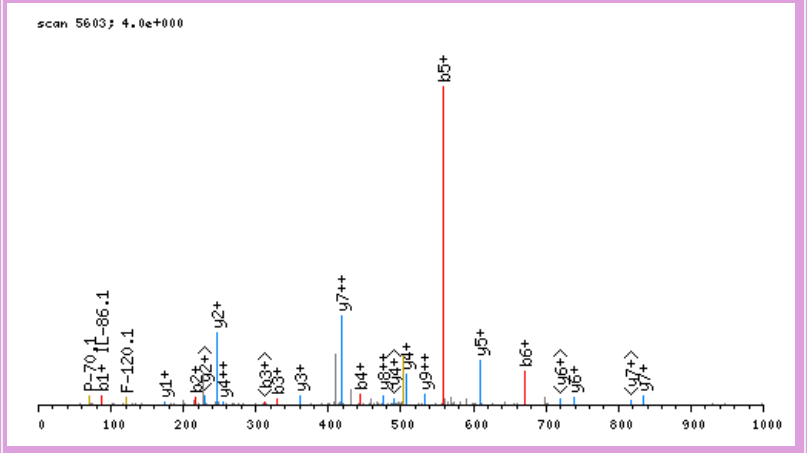
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
215.1032	2	E	14	1670.7596	835.8837
375.1338	3	C	13	1541.7170	771.3624
503.1923	4	Q	12	1381.6864	691.3471
590.2244	5	S	11	1253.6279	627.3178
719.2670	6	E	10	1166.5958	583.8018
776.2884	7	G	9	1037.5532	519.2805
875.3568	8	V	8	980.5318	490.7698
988.4409	9	L	7	881.4634	441.2356
1135.5093	10	F	6	768.3793	384.6936
1282.5777	11	F	5	621.3109	311.1594
1410.6363	12	Q	4	474.2425	237.6251
1467.6578	13	G	3	346.1839	173.5959
1581.7007	14	N	2	289.1624	145.0851
	15	R	1	175.1195	88.0637

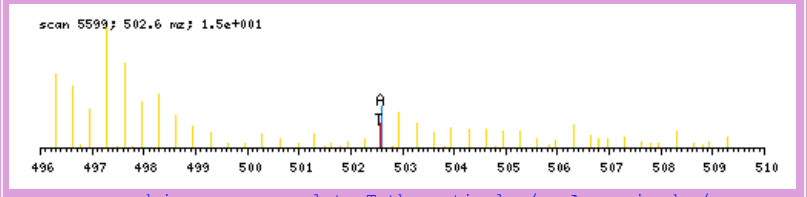
N-term:+29.04 C(3):+160.03

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

GEDIDLPETFDAR, MH+ 1505.7124, m/z 502.5756
L OS G13 P120811 220811-s1.05603.05603.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



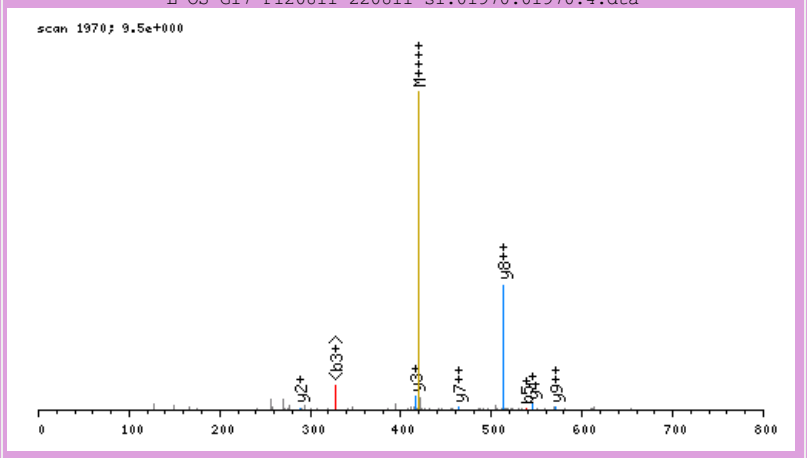
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
215.1032	2	E	12	1420.6596	710.8337
330.1301	3	D	11	1291.6170	646.3124
443.2142	4	I	10	1176.5901	588.7990
558.2411	5	D	9	1063.5060	532.2569
671.3252	6	L	8	948.4791	474.7434
768.3779	7	P	7	835.3950	418.2014
897.4205	8	E	6	738.3422	369.6750
998.4682	9	T	5	609.2997	305.1537
1145.5366	10	F	4	508.2520	254.6299
1260.5636	11	D	3	361.1836	181.0957
1331.6007	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

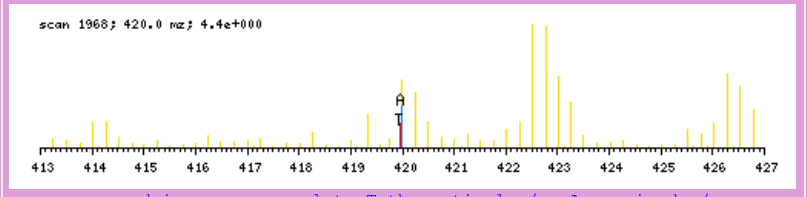
N-term:+29.04

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

GEEGHDPKEPEQLR, MH+ 1676.8244, m/z 419.9616
L OS G17 P120811 220811-s1.01970.01970.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



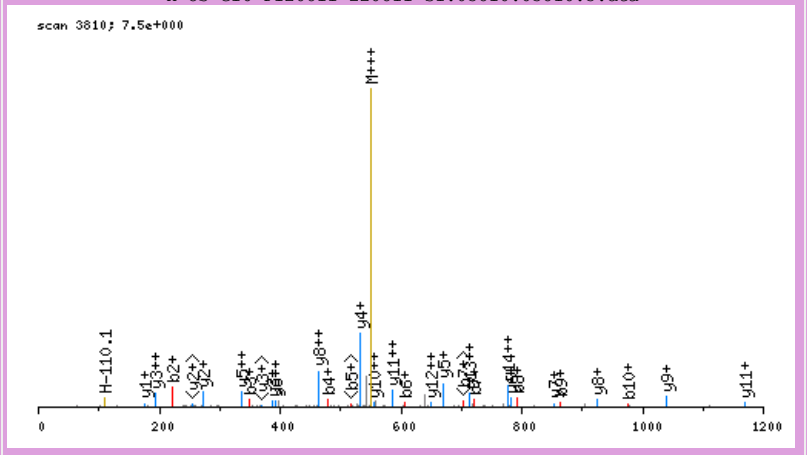
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
215.1032	2	E	13	1591.7717	796.3897
344.1458	3	E	12	1462.7291	731.8684
401.1672	4	G	11	1333.6865	667.3472
538.2261	5	H	10	1276.6650	638.8364
653.2531	6	D	9	1139.6061	**570.3070**
750.3058	7	P	8	1024.5792	**512.7935**
906.4321	8	K	7	927.5264	**464.2671**
1035.4747	9	E	6	771.4001	386.2040
1132.5275	10	P	5	642.3575	321.6827
1261.5701	11	E	4	**545.3047**	273.1563
1389.6287	12	Q	3	**416.2621**	208.6350
1502.7127	13	L	2	**288.2036**	144.6057
	14	R	1	175.1195	88.0637

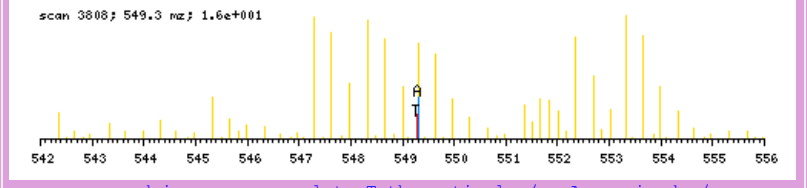
N-term:+29.04 K(8):+156.13

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

GEEQGADAALHFNPR, MH+ 1645.8146, m/z 549.2764
H OS G16 P120811 220811-s1.03810.03810.3.dta



click image to zoom in; 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:

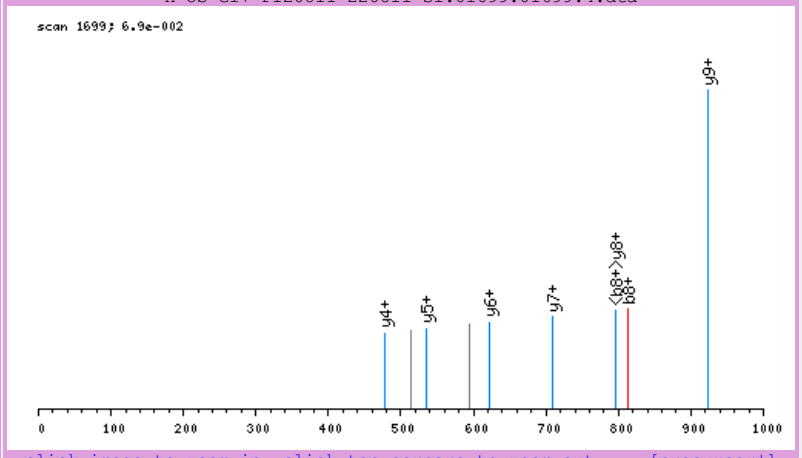
a	☐ 1+	☐ 2+	☐ 3+
b	☑ 1+	☐ 2+	☐ 3+
c	☐ 1+	☐ 2+	☐ 3+
x	☐ 1+	☐ 2+	☐ 3+
y	☑ 1+	☑ 2+	☐ 3+
z	☐ 1+	☐ 2+	☐ 3+

hide H_2O/NH_3 ☐

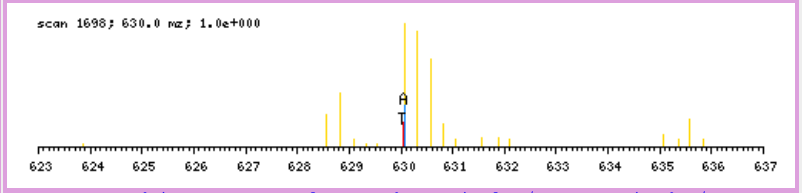
zoom 112-122 ☐

GO

GEHGSSSHPLPSSGQNESSSGQSSR, MH+ 2517.1414, m/z 630.0408
H OS G17 P120811 220811-s1.01699.01699.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



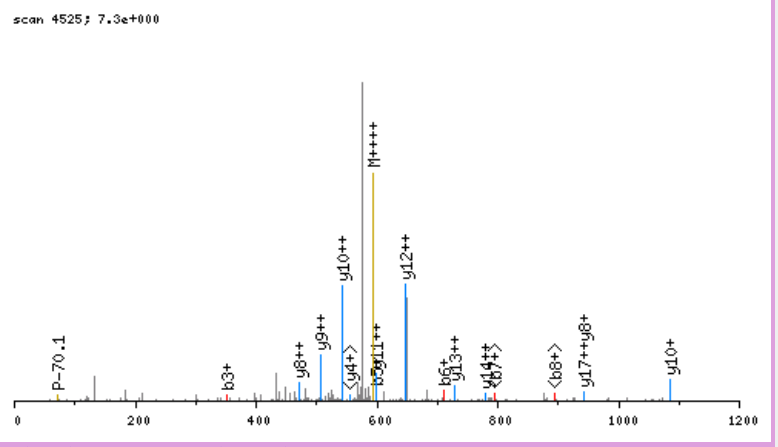
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	25		
221.1350	2	E	24	2426.0569	1213.5323
358.1939	3	H	23	2297.0143	1149.0110
415.2153	4	G	22	2159.9554	1080.4816
502.2474	5	S	21	2102.9339	1051.9709
589.2794	6	S	20	2015.9019	1008.4548
676.3114	7	S	19	1928.8698	964.9388
813.3703	8	H	18	1841.8378	921.4228
910.4231	9	P	17	1704.7789	852.8934
1023.5072	10	L	16	1607.7261	804.3670
1120.5599	11	P	15	1494.6421	747.8249
1207.5919	12	S	14	1397.5893	699.2986
1294.6240	13	S	13	1310.5573	655.7825
1351.6454	14	G	12	1223.5252	612.2665
1479.7040	15	Q	11	1166.5038	583.7558
1593.7469	16	N	10	1038.4452	519.7265
1722.7895	17	E	9	**924.4023**	462.7051
1809.8216	18	S	8	**795.3597**	398.1838
1896.8536	19	S	7	**708.3277**	354.6677
1983.8856	20	S	6	**621.2956**	311.1517
2040.9071	21	G	5	**534.2636**	267.6357
2168.9657	22	Q	4	**477.2421**	239.1250
2255.9977	23	S	3	349.1836	175.0957
2343.0297	24	S	2	262.1515	131.5797
	25	R	1	175.1195	88.0637

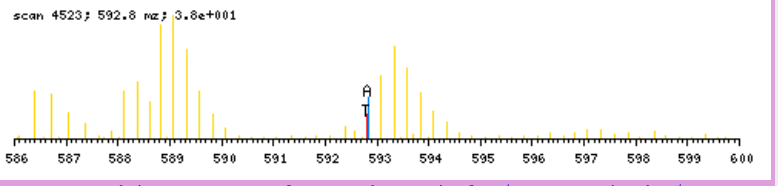
N-term:+35.07

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

GEHMDLTTCPLAAGGQQEKLR, MH+ 2368.1753, m/z 592.7993
L OS G17 P120811 220811-s1.04525.04525.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



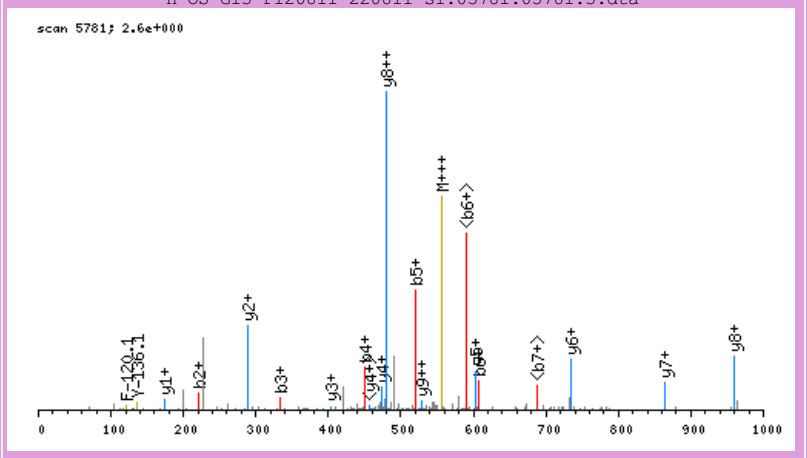
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
215.1032	2	E	20	2283.1225	1142.0652
352.1621	3	H	19	2154.0800	1077.5439
483.2026	4	M	18	2017.0210	1009.0144
598.2295	5	D	17	1885.9806	**943.4942**
711.3136	6	L	16	1770.9536	885.9807
812.3612	7	T	15	1657.8696	829.4387
913.4089	8	T	14	1556.8219	**778.9148**
1073.4395	9	C	13	1455.7742	**728.3910**
1170.4923	10	P	12	1295.7436	**648.3757**
1283.5763	11	L	11	1198.6908	**599.8493**
1354.6135	12	A	10	**1085.6068**	**543.3073**
1425.6506	13	A	9	1014.5697	**507.7887**
1482.6720	14	G	8	**943.5325**	**472.2702**
1539.6935	15	G	7	886.5111	443.7595
1667.7521	16	Q	6	829.4896	415.2487
1795.8107	17	Q	5	701.4310	351.2194
1924.8532	18	E	4	573.3725	287.1901
2080.9795	19	K	3	444.3299	222.6688
2194.0636	20	L	2	288.2036	144.6057
	21	R	1	175.1195	88.0637

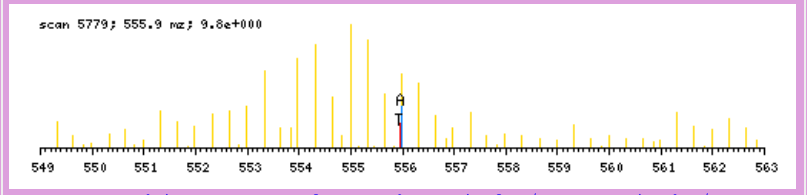
N-term:+29.04 C(9):+160.03
K(19):+156.13

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

GEIDASVPEMEADLR, MH+ 1665.8218, m/z 555.9454
H OS G13 P120811 220811-s1.05781.05781.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



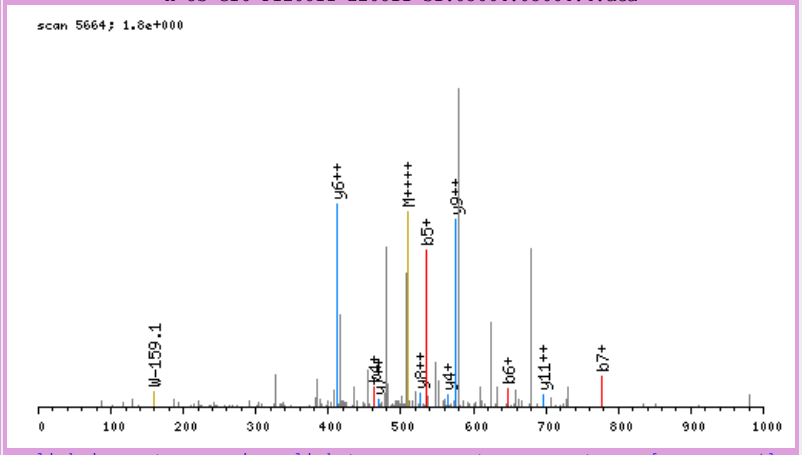
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
221.1350	2	E	14	1574.7372	787.8725
334.2190	3	I	13	1445.6946	723.3512
449.2460	4	D	12	1332.6106	666.8092
520.2831	5	A	11	1217.5836	609.2957
607.3151	6	S	10	1146.5465	573.7772
706.3835	7	V	9	1059.5145	**530.2611**
803.4363	8	P	8	**960.4461**	**480.7269**
932.4789	9	E	7	**863.3933**	432.2006
1063.5194	10	M	6	**734.3507**	367.6793
1192.5620	11	E	5	**603.3102**	302.1590
1263.5991	12	A	4	**474.2676**	237.6377
1378.6260	13	D	3	**403.2305**	202.1192
1491.7101	14	L	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

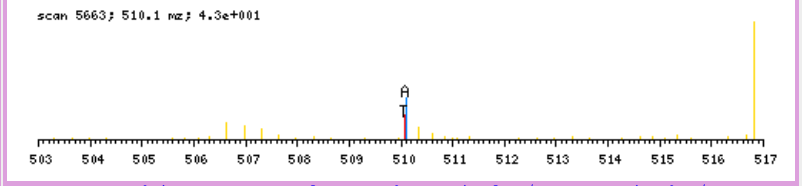
N-term:+35.07

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

GEIEAIELPIDPKLNKR, MH+ 2037.2809, m/z 510.0757
H OS G16 P120811 220811-s1.05664.05664.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



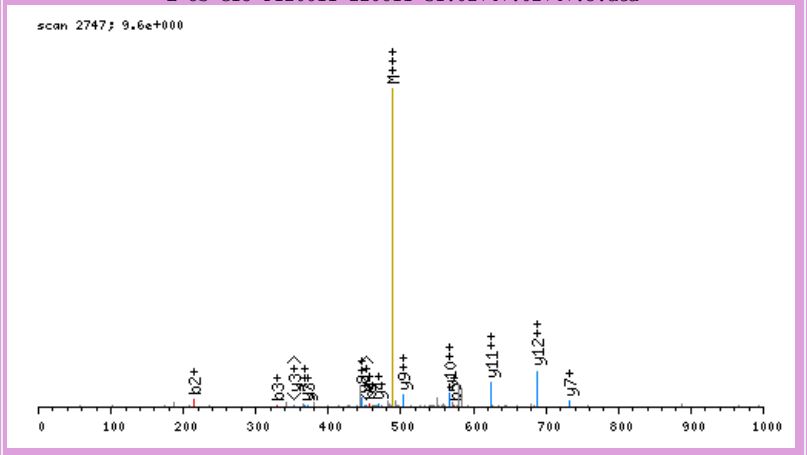
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
221.1350	2	E	16	1946.1963	973.6021
334.2190	3	I	15	1817.1537	909.0808
463.2616	4	E	14	1704.0697	852.5387
534.2987	5	A	13	1575.0271	788.0174
647.3828	6	I	12	1503.9899	752.4989
776.4254	7	E	11	1390.9059	**695.9569**
889.5094	8	L	10	1261.8633	631.4356
986.5622	9	P	9	1148.7792	**574.8935**
1099.6463	10	I	8	1051.7265	**526.3671**
1214.6732	11	D	7	938.6424	**469.8251**
1311.7260	12	P	6	823.6155	**412.3116**
1473.8841	13	K	5	726.5627	363.7853
1586.9681	14	L	4	**564.4046**	282.7062
1701.0111	15	N	3	451.3205	226.1642
1863.1692	16	K	2	337.2776	169.1427
	17	R	1	175.1195	88.0637

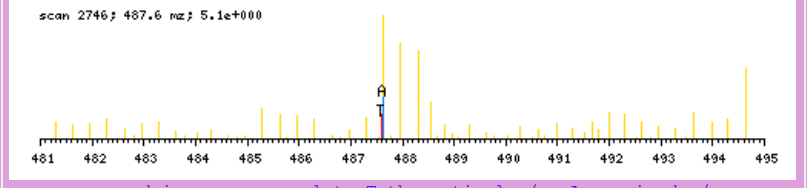
N-term:+35.07 K(13):+162.16
K(16):+162.16

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

GELEDKPPAPPVR, MH+ 1460.8113, m/z 487.6086
L OS G15 P120811 220811-s1.02747.02747.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

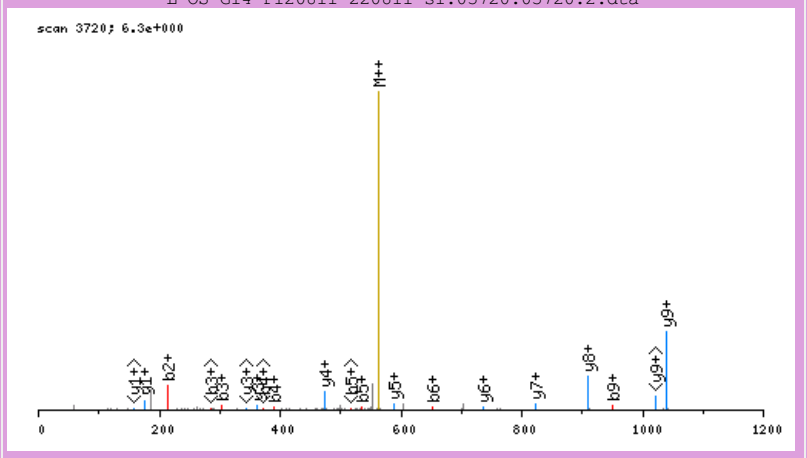


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

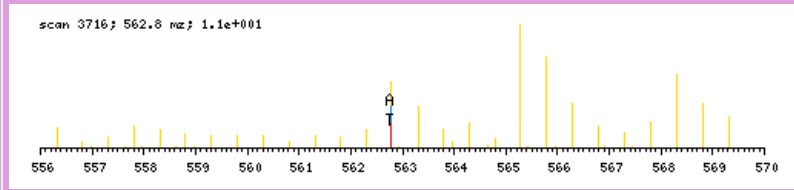
b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
215.1032	2	E	12	1375.7586	**688.3832**
328.1872	3	L	11	1246.7160	**623.8619**
457.2298	4	E	10	1133.6319	**567.3199**
572.2568	5	D	9	1004.5893	**502.7986**
728.3831	6	K	8	889.5624	**445.2851**
825.4358	7	P	7	**733.4361**	**367.2220**
922.4886	8	P	6	636.3833	318.6956
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

GESSFDLADR, MH+ 1124.5224, m/z 562.7648
L OS G14 P120811 220811-s1.03720.03720.2.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

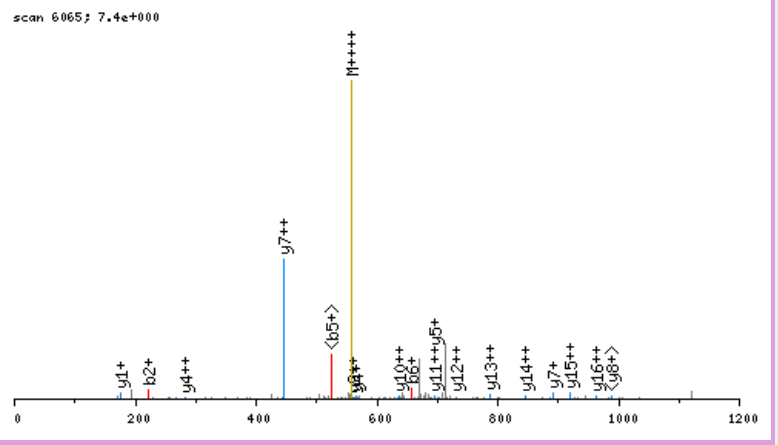
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
215.1032	2	E	9	1039.4696	520.2387
302.1352	3	S	8	910.4270	455.7174
389.1672	4	S	7	823.3950	412.2014
536.2356	5	F	6	736.3630	368.6854
651.2626	6	D	5	589.2946	295.1512
764.3466	7	L	4	474.2676	237.6377
835.3837	8	A	3	361.1836	181.0957
950.4107	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

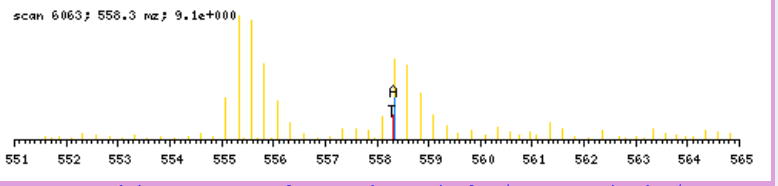
N-term:+29.04

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

GESSFDLADRLDPVEKIDR, MH+ 2230.1992, m/z 558.3052
H OS G17 P120811 220811-s1.06065.06065.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



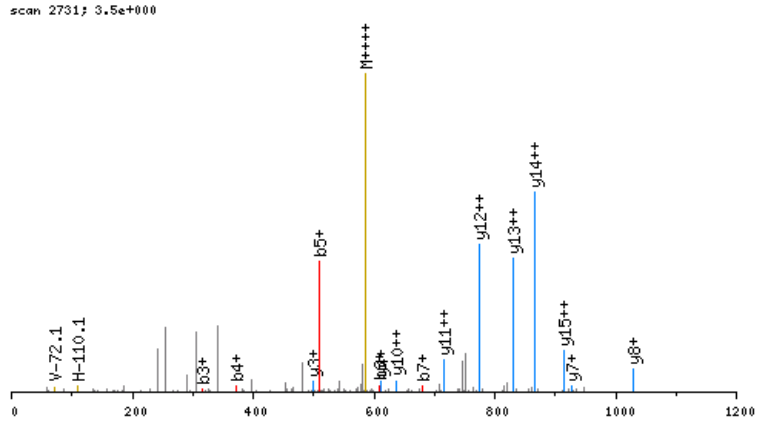
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
221.1350	2	E	18	2139.1146	1070.0612
308.1670	3	S	17	2010.0720	1005.5399
395.1990	4	S	16	1923.0400	**962.0239**
542.2674	5	F	15	1836.0080	**918.5079**
657.2944	6	D	14	1688.9396	**844.9737**
770.3784	7	L	13	1573.9126	**787.4602**
841.4155	8	A	12	1460.8286	**730.9182**
956.4425	9	D	11	1389.7914	**695.3996**
1112.5436	10	R	10	1274.7645	**637.8862**
1225.6277	11	L	9	1118.6634	**559.8356**
1340.6546	12	D	8	1005.5793	503.2936
1437.7074	13	P	7	**890.5524**	**445.7801**
1536.7758	14	V	6	793.4996	397.2537
1665.8184	15	E	5	**694.4312**	347.7195
1827.9765	16	K	4	**565.3886**	**283.1982**
1941.0605	17	I	3	403.2305	202.1192
2056.0875	18	D	2	290.1464	145.5771
	19	R	1	**175.1195**	88.0637

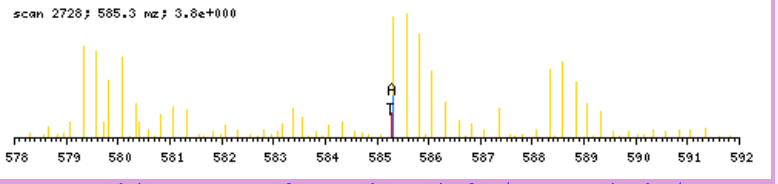
N-term:+35.07 K(16):+162.16

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

GETGHVAINCSKTSEVNCYR, MH+ 2338.0919, m/z 585.2784
L OS G17 P120811 220811-s1.02731.02731.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



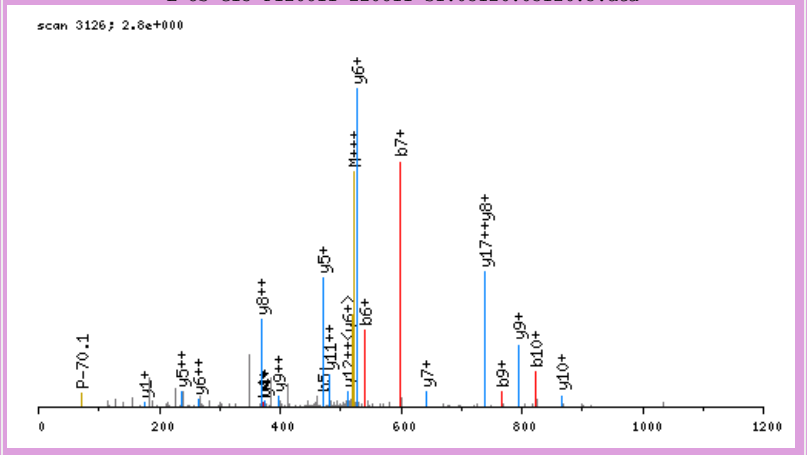
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

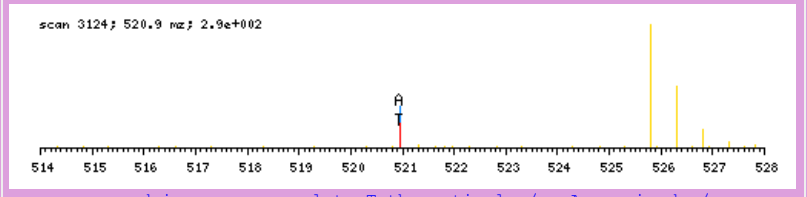
N-term:+29.04 C(10):+160.03
K(12):+156.13 C(18):+160.03

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+ 1560.8134, m/z 520.9427
L OS G13 P120811 220811-s1.03126.03126.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



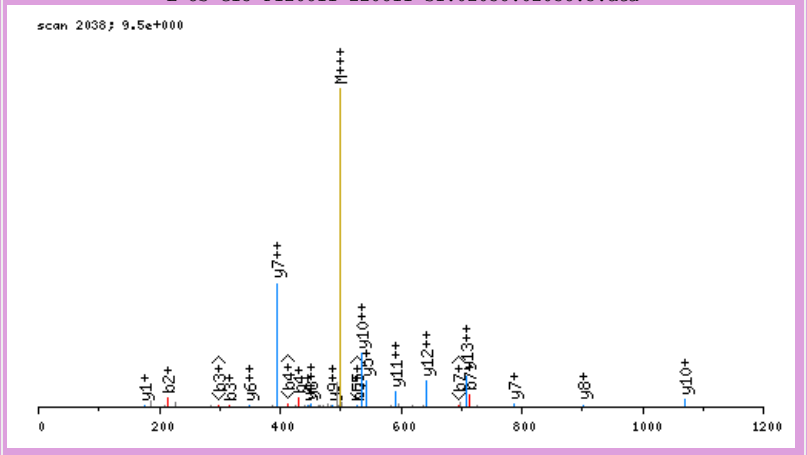
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
215.1032	2	E	17	1475.7607	**738.3842**
316.1508	3	T	16	1346.7181	673.8629
373.1723	4	G	15	1245.6704	623.3391
470.2251	5	P	14	1188.6489	594.8284
541.2622	6	A	13	1091.5962	546.3020
598.2836	7	G	12	1020.5591	**510.7834**
695.3364	8	P	11	963.5376	**482.2727**
766.3735	9	A	10	**866.4848**	433.7463
823.3950	10	G	9	**795.4477**	**398.2278**
920.4477	11	P	8	**738.4262**	**369.7170**
1033.5318	12	I	7	**641.3735**	321.1907
1090.5533	13	G	6	**528.2894**	**264.6486**
1187.6060	14	P	5	**471.2680**	**236.1379**
1258.6432	15	A	4	**374.2152**	187.6115
1315.6646	16	G	3	303.1781	152.0930
1386.7017	17	A	2	246.1566	123.5822
	18	R	1	**175.1195**	88.0637

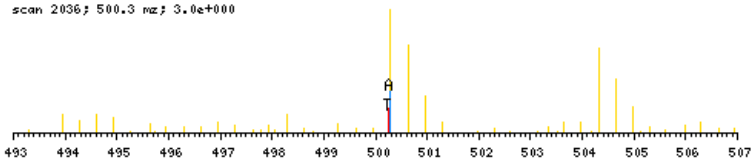
N-term:+29.04

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

GETNPADSKPGTIR, MH+ 1498.7866, m/z 500.2670
L OS G15 P120811 220811-s1.02038.02038.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



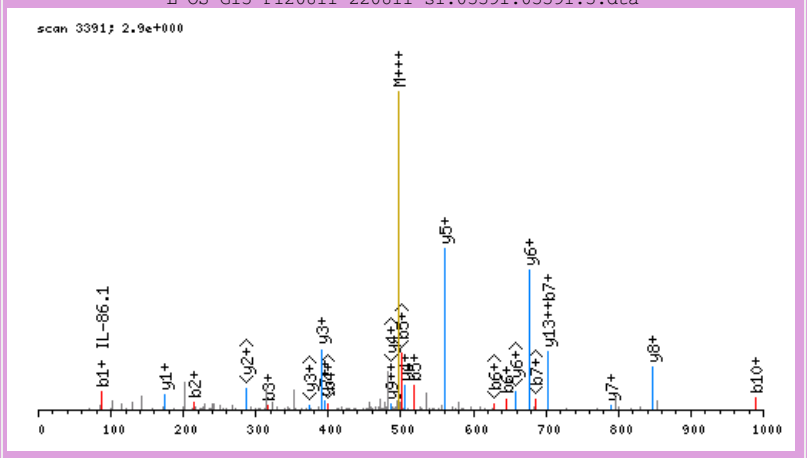
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

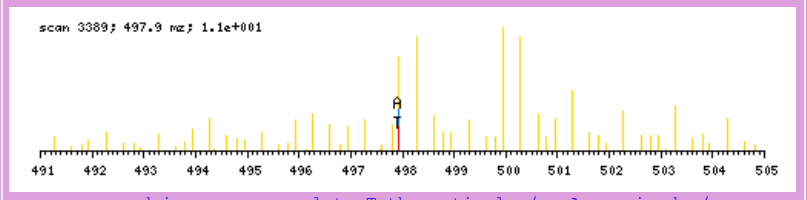
N-term:+29.04 K(9):+156.13

GETTTQGLDGLSER, MH+ 1491.7291, m/z 497.9145
L OS G13 P120811 220811-s1.03391.03391.3.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±]



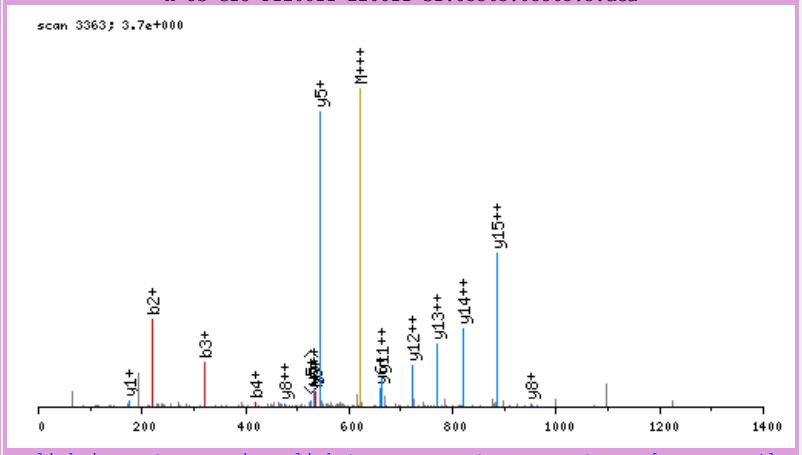
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**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

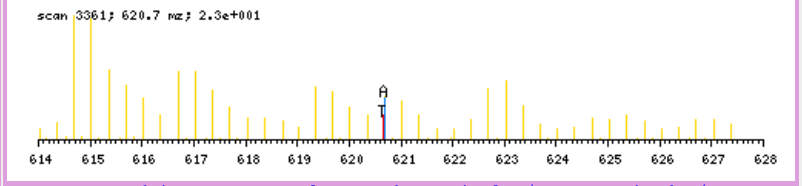
N-term:+29.04

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

GEVVDCTIKMDPNTGR, MH+ 1859.9631, m/z 620.6592
H OS G15 P120811 220811-s1.03363.03363.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



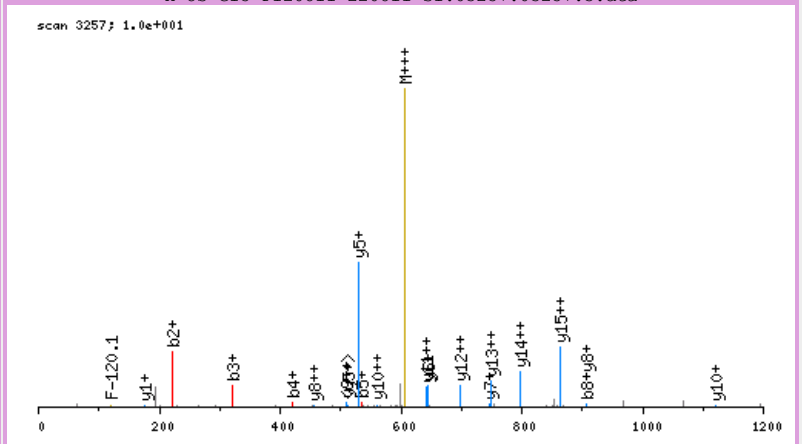
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
221.1350	2	E	15	1768.8786	**884.9432**
320.2034	3	V	14	1639.8360	**820.4219**
419.2718	4	V	13	1540.7676	**770.8877**
534.2987	5	D	12	1441.6991	**721.3535**
694.3293	6	C	11	1326.6722	**663.8400**
795.3770	7	T	10	1166.6416	583.8247
908.4611	8	I	9	1065.5939	**533.3009**
1070.6192	9	K	8	**952.5099**	**476.7588**
1201.6597	10	M	7	790.3518	395.6798
1316.6866	11	D	6	**659.3113**	330.1596
1413.7394	12	P	5	**544.2843**	272.6461
1527.7823	13	N	4	447.2316	224.1197
1628.8300	14	T	3	333.1886	167.0982
1685.8514	15	G	2	232.1410	116.5744
	16	R	1	**175.1195**	88.0637

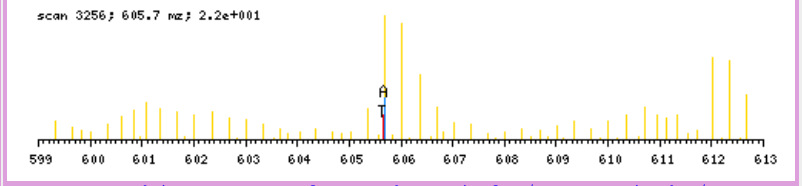
N-term:+35.07 C(6):+160.03
K(9):+162.16

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

GEVVDCTIKTDPVTGR, MH+ 1814.9958, m/z 605.6701
H OS G15 P120811 220811-s1.03257.03257.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



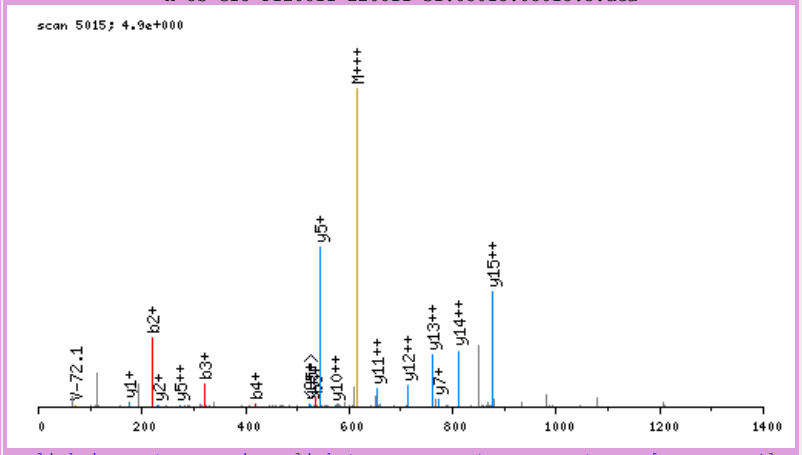
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
221.1350	2	E	15	1723.9112	**862.4595**
320.2034	3	V	14	1594.8687	**797.9382**
419.2718	4	V	13	1495.8002	**748.4040**
534.2987	5	D	12	1396.7318	**698.8698**
694.3293	6	C	11	1281.7049	**641.3564**
795.3770	7	T	10	**1121.6743**	**561.3411**
908.4611	8	I	9	1020.6266	**510.8172**
1070.6192	9	K	8	**907.5425**	**454.2752**
1171.6668	10	T	7	**745.3844**	373.1961
1286.6938	11	D	6	**644.3368**	322.6723
1383.7466	12	P	5	**529.3098**	265.1588
1482.8150	13	V	4	432.2571	216.6324
1583.8626	14	T	3	333.1886	167.0982
1640.8841	15	G	2	232.1410	116.5744
	16	R	1	**175.1195**	88.0637

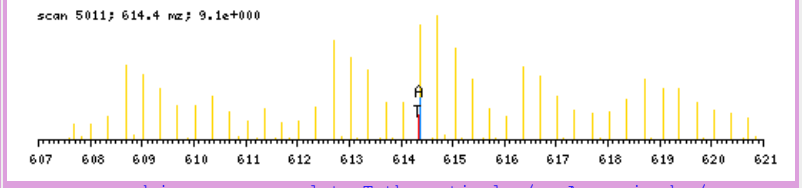
N-term:+35.07 C(6):+160.03
K(9):+162.16

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

GEVVDCTLKLDPITGR, MH+ 1841.0478, m/z 614.3541
H OS G15 P120811 220811-s1.05015.05015.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



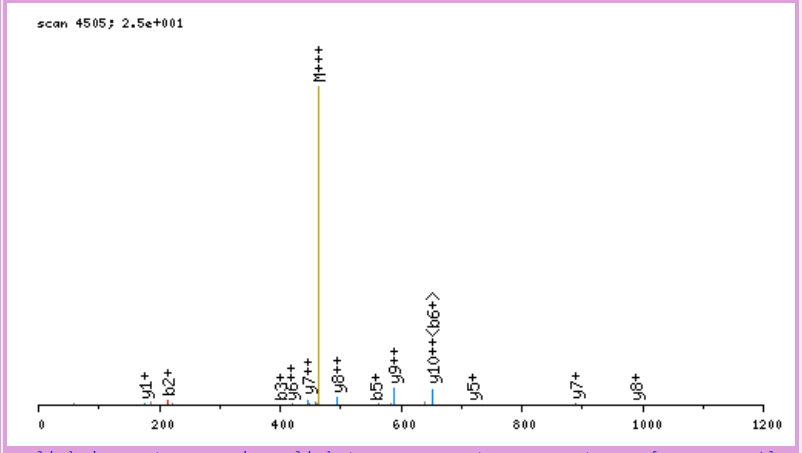
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
221.1350	2	E	15	1749.9633	**875.4856**
320.2034	3	V	14	1620.9207	**810.9643**
419.2718	4	V	13	1521.8523	**761.4301**
534.2987	5	D	12	1422.7839	**711.8958**
694.3293	6	C	11	1307.7569	**654.3824**
795.3770	7	T	10	1147.7263	**574.3671**
908.4611	8	L	9	1046.6786	**523.8432**
1070.6192	9	K	8	933.5946	467.3012
1183.7032	10	L	7	**771.4365**	386.2222
1298.7302	11	D	6	658.3524	329.6801
1395.7829	12	P	5	**543.3255**	**272.1666**
1508.8670	13	I	4	446.2727	223.6403
1609.9147	14	T	3	333.1886	167.0982
1666.9361	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

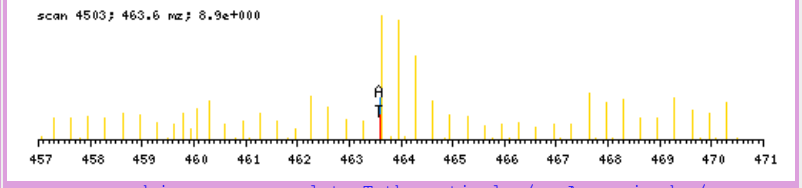
N-term:+35.07 C(6):+160.03
K(9):+162.16

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

GEWVGLCKIDR, MH+ 1388.7360, m/z 463.5835
L OS G16 P120811 220811-s1.04505.04505.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



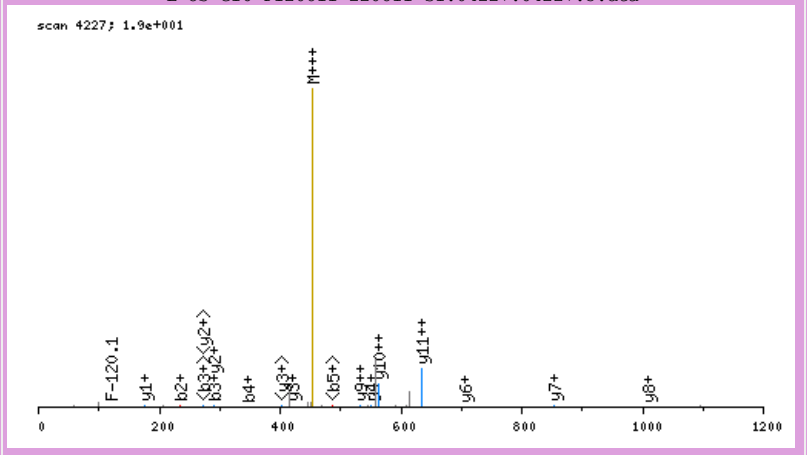
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
215.1032	2	E	10	1303.6833	652.3455
401.1825	3	W	9	1174.6407	587.8242
500.2509	4	V	8	988.5613	494.7846
557.2723	5	G	7	889.4929	445.2504
670.3564	6	L	6	832.4715	416.7396
830.3870	7	C	5	719.3874	360.1976
986.5133	8	K	4	559.3568	280.1823
1099.5974	9	I	3	403.2305	202.1192
1214.6243	10	D	2	290.1464	145.5771
	11	R	1	175.1195	88.0637

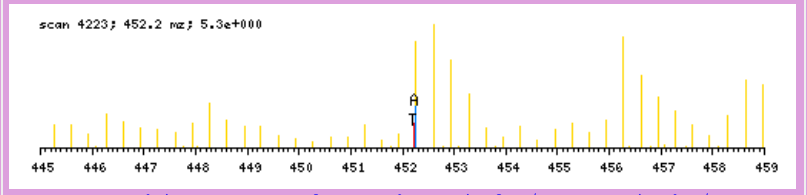
N-term:+29.04 C(7):+160.03
K(8):+156.13

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

GFGGKFGVQMDR, MH+ 1354.6942, m/z 452.2362
L OS G16 P120811 220811-s1.04227.04227.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



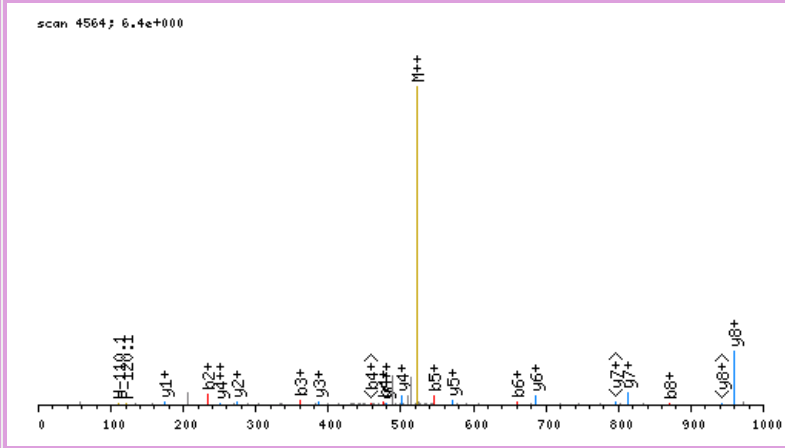
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
233.1290	2	F	11	1269.6414	**635.3246**
290.1504	3	G	10	1122.5730	**561.7904**
347.1719	4	G	9	1065.5516	**533.2797**
503.2982	5	K	8	**1008.5301**	504.7690
650.3666	6	F	7	**852.4038**	426.7058
707.3881	7	G	6	**705.3354**	353.1716
806.4565	8	V	5	648.3139	324.6609
934.5151	9	Q	4	**549.2455**	275.1267
1065.5556	10	M	3	**421.1869**	211.0974
1180.5825	11	D	2	**290.1464**	145.5771
	12	R	1	**175.1195**	88.0637

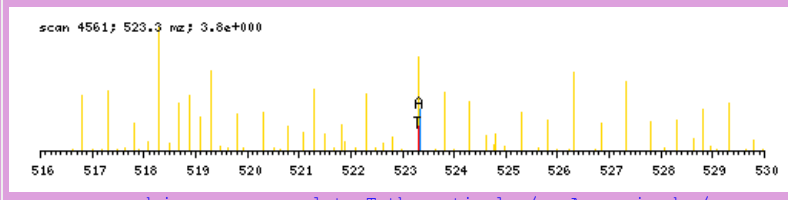
N-term:+29.04 K(5):+156.13

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

GFQNAILVR, MH+ 1045.6158, m/z 523.3115
L OS G14 P120811 220811-s1.04564.04564.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



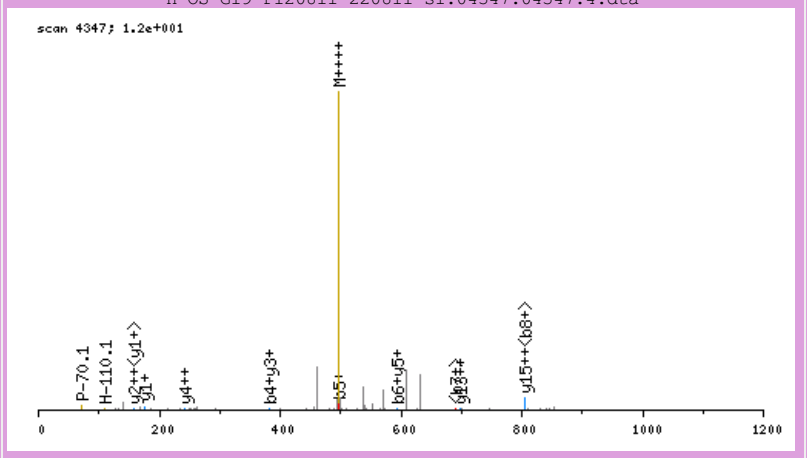
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	9		
233.1290	2	F	8	960.5631	480.7855
361.1876	3	Q	7	813.4947	407.2512
475.2305	4	N	6	685.4361	343.2220
546.2676	5	A	5	571.3932	286.2005
659.3517	6	I	4	500.3560	250.6819
772.4357	7	L	3	387.2720	194.1399
871.5041	8	V	2	274.1879	137.5979
	9	R	1	175.1195	88.0637

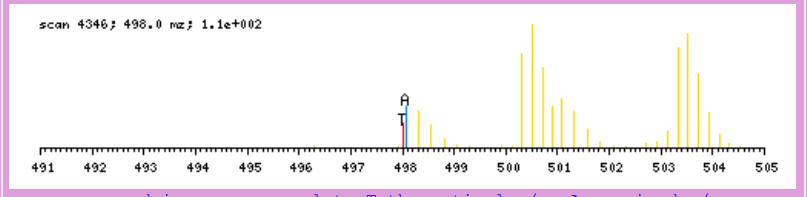
N-term:+29.04

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

GFSGIPDNVDAAFALPAHR, MH+ 1989.0406, m/z 498.0156
H OS G19 P120811 220811-s1.04347.04347.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

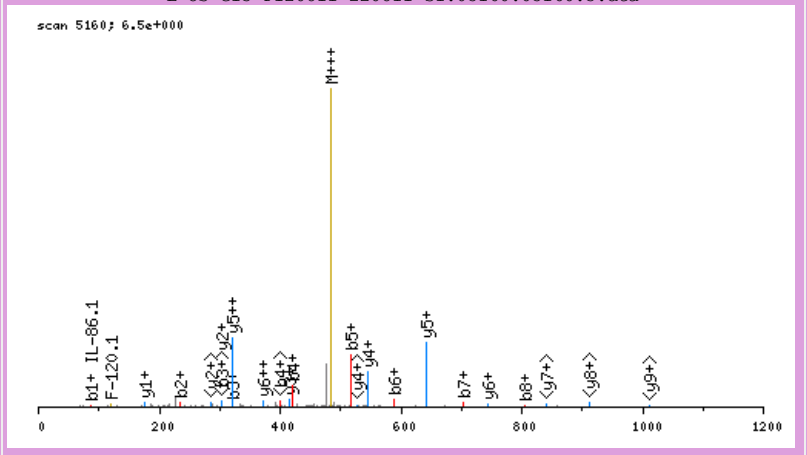


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

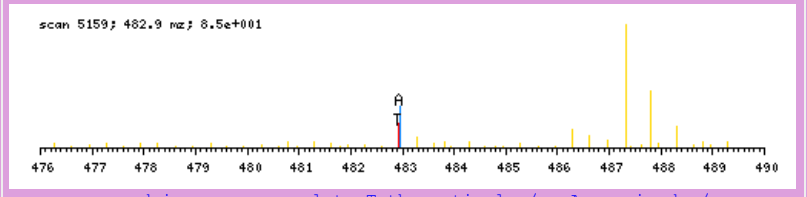
b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	19		
239.1608	2	F	18	1897.9561	949.4819
326.1928	3	S	17	1750.8877	875.9477
383.2143	4	G	16	1663.8556	832.4317
496.2983	5	I	15	1606.8342	**803.9210**
593.3511	6	P	14	1493.7501	747.3790
708.3780	7	D	13	1396.6973	**698.8526**
822.4210	8	N	12	1281.6704	641.3391
921.4894	9	V	11	1167.6275	584.3176
1036.5163	10	D	10	1068.5591	534.7834
1107.5534	11	A	9	953.5321	477.2700
1178.5906	12	A	8	882.4950	441.7514
1325.6590	13	F	7	811.4579	406.2329
1396.6961	14	A	6	664.3895	332.6986
1509.7801	15	L	5	**593.3524**	297.1801
1606.8329	16	P	4	480.2683	**240.6381**
1677.8700	17	A	3	**383.2155**	192.1117
1814.9289	18	H	2	312.1784	**156.5931**
	19	R	1	**175.1195**	88.0637

N-term:+35.07

GFSVVADTPELQR, MH+ 1446.7592, m/z 482.9246
L OS G13 P120811 220811-s1.05160.05160.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

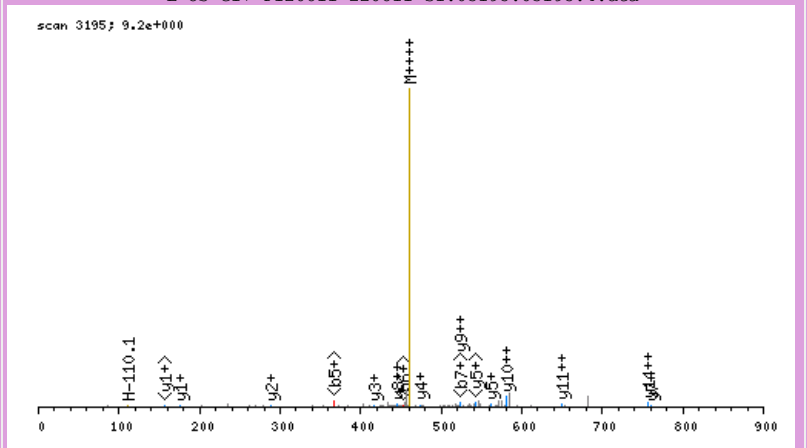
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
233.1290	2	F	12	1361.7065	681.3572
320.1610	3	S	11	1214.6381	607.8230
419.2294	4	V	10	1127.6061	564.3069
518.2978	5	V	9	1028.5376	514.7727
589.3349	6	A	8	929.4692	465.2385
704.3619	7	D	7	858.4321	429.7200
805.4096	8	T	6	743.4052	372.2065
902.4623	9	P	5	642.3575	321.6827
1031.5049	10	E	4	545.3047	273.1563
1144.5890	11	L	3	416.2621	208.6350
1272.6476	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

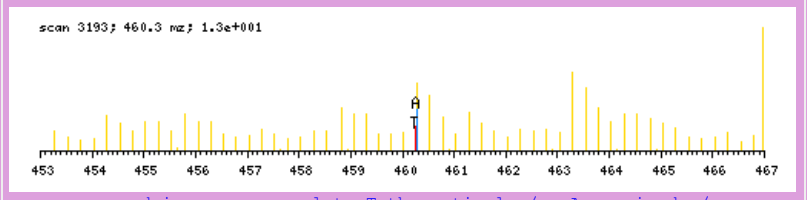
N-term:+29.04

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

GGAIGSAHLKEEASGELR, MH+ 1837.9772, m/z 460.2498
L OS G17 P120811 220811-s1.03195.03195.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



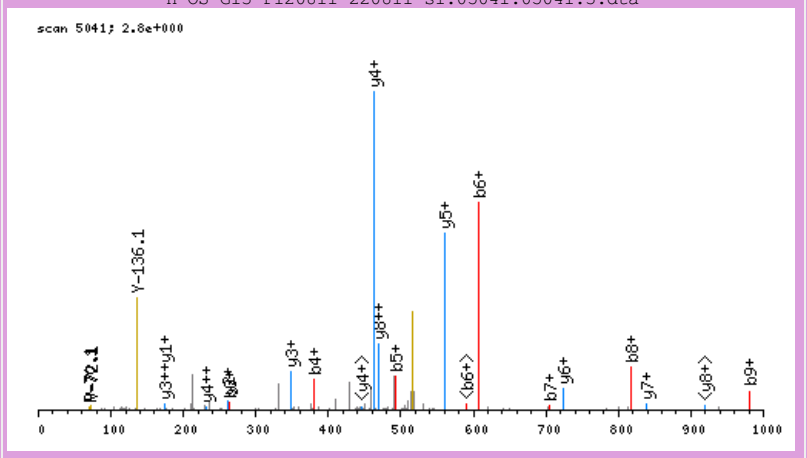
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
143.0820	2	G	17	1752.9245	876.9661
214.1191	3	A	16	1695.9030	848.4554
327.2032	4	I	15	1624.8659	812.9369
384.2247	5	G	14	1511.7818	**756.3948**
471.2567	6	S	13	1454.7604	727.8841
542.2938	7	A	12	1367.7283	684.3681
679.3527	8	H	11	1296.6912	**648.8495**
792.4368	9	L	10	1159.6323	**580.3201**
948.5631	10	K	9	1046.5483	**523.7780**
1077.6057	11	E	8	890.4220	**445.7149**
1206.6483	12	E	7	**761.3794**	381.1936
1277.6854	13	A	6	632.3368	316.6723
1364.7174	14	S	5	**561.2997**	281.1537
1421.7389	15	G	4	**474.2676**	237.6377
1550.7815	16	E	3	**417.2462**	209.1270
1663.8655	17	L	2	**288.2036**	144.6057
	18	R	1	**175.1195**	88.0637

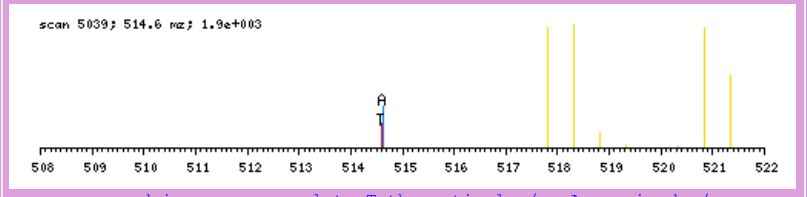
N-term:+29.04 K(10):+156.13

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

GGDDLDPNYVLSSR, MH+ 1541.7660, m/z 514.5935
H_OS_G13_P120811_220811-s1.05041.05041.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



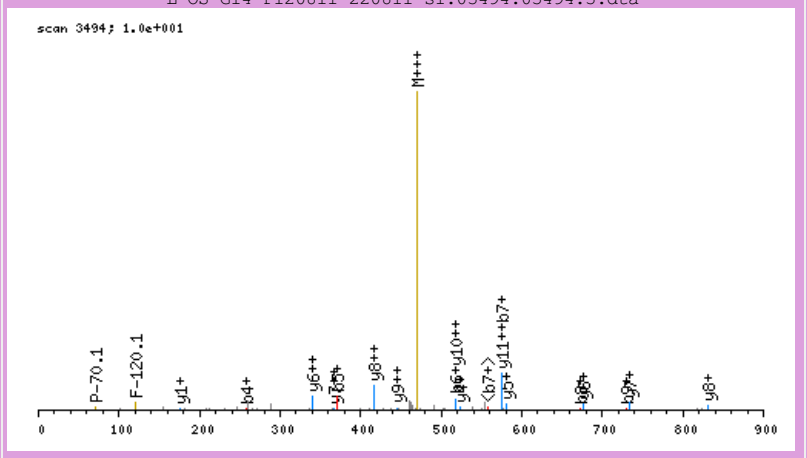
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	14		
149.1138	2	G	13	1450.6814	725.8446
264.1408	3	D	12	1393.6599	697.3339
379.1677	4	D	11	1278.6330	639.8204
492.2518	5	L	10	1163.6061	582.3069
607.2787	6	D	9	1050.5220	525.7649
704.3315	7	P	8	935.4951	**468.2514**
818.3744	8	N	7	**838.4423**	419.7251
981.4377	9	Y	6	**724.3994**	362.7036
1080.5062	10	V	5	**561.3360**	281.1719
1193.5902	11	L	4	**462.2676**	**231.6377**
1280.6222	12	S	3	**349.1836**	**175.0957**
1367.6543	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

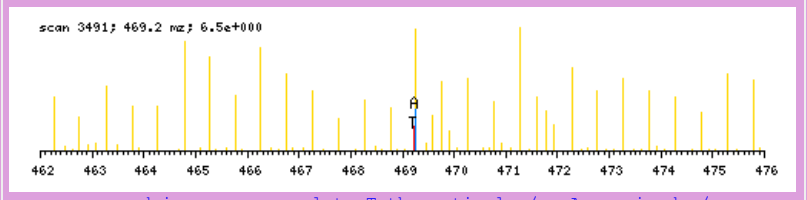
N-term:+35.07

GGGGNFGPGPGSNFR, MH+ 1405.6613, m/z 469.2253
L OS G14 P120811 220811-s1.03494.03494.3.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±]



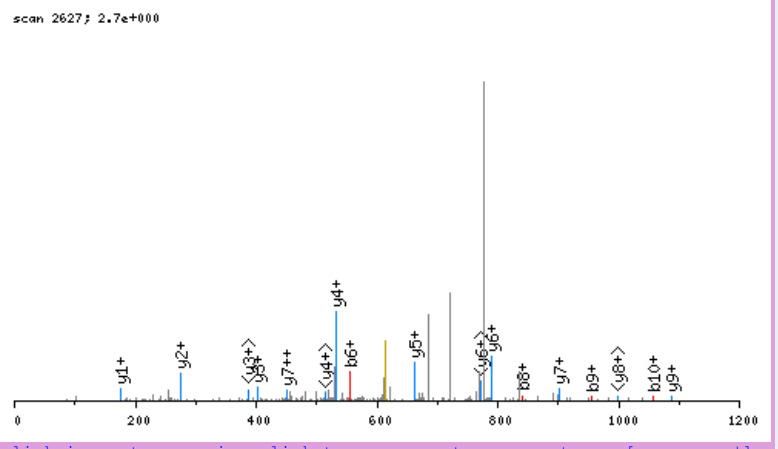
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	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

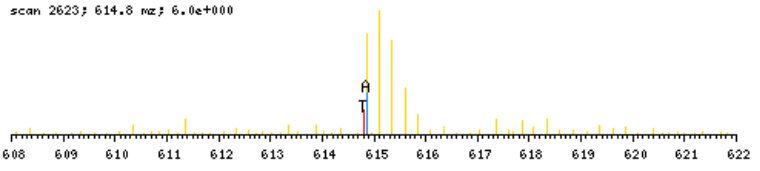
N-term:+29.04

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

GGGKAEKENTPSEANLQEEEVR, MH+ 2456.2269, m/z 614.8122
L OS G17 P120811 220811-s1.02627.02627.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



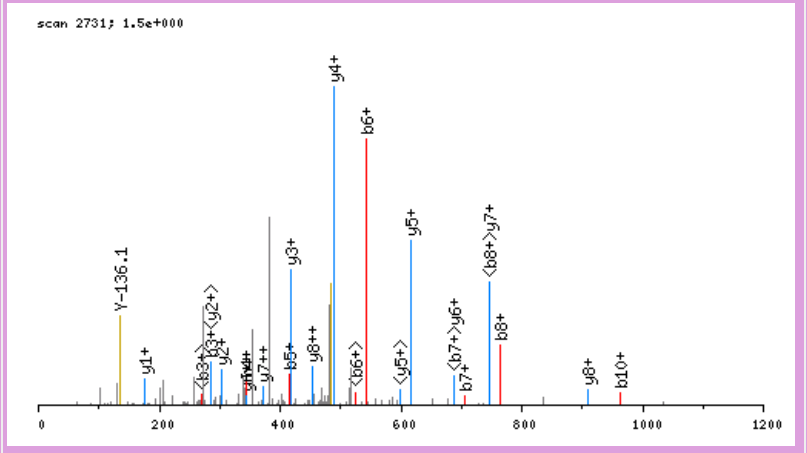
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	22		
143.0820	2	G	21	2371.1742	1186.0910
200.1035	3	G	20	2314.1527	1157.5803
356.2298	4	K	19	2257.1313	1129.0695
427.2669	5	A	18	2101.0050	1051.0064
556.3095	6	E	17	2029.9679	1015.4878
712.4358	7	K	16	1900.9253	950.9665
841.4784	8	E	15	1744.7990	872.9034
955.5213	9	N	14	1615.7564	808.3821
1056.5690	10	T	13	1501.7134	751.3606
1153.6218	11	P	12	1400.6658	700.8368
1240.6538	12	S	11	1303.6130	652.3104
1369.6964	13	E	10	1216.5810	608.7944
1440.7335	14	A	9	**1087.5384**	544.2731
1554.7764	15	N	8	1016.5013	508.7545
1667.8605	16	L	7	**902.4583**	**451.7331**
1795.9191	17	Q	6	**789.3743**	395.1910
1924.9617	18	E	5	**661.3157**	331.1618
2054.0043	19	E	4	**532.2731**	266.6405
2183.0468	20	E	3	**403.2305**	202.1192
2282.1153	21	V	2	**274.1879**	137.5979
	22	R	1	**175.1195**	88.0637

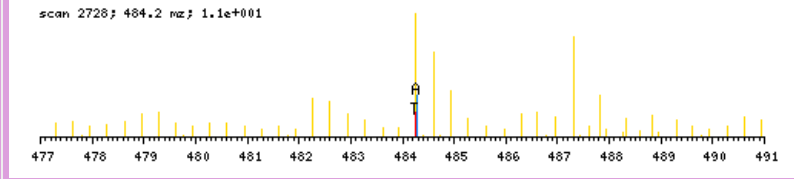
N-term:+29.04 K(4):+156.13
K(7):+156.13

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

GGHGAEYGAEALER, MH+ 1450.7139, m/z 484.2428
H OS G16 P120811 220811-s1.02731.02731.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



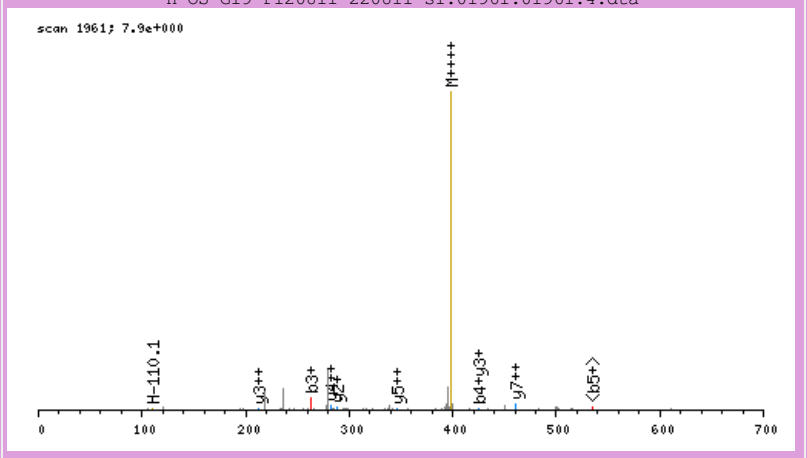
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

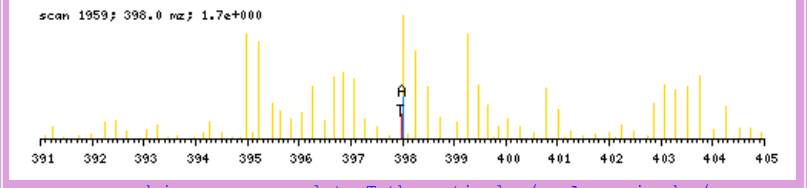
N-term:+35.07

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

GGIKEDTEEHHLR, MH+ 1588.8720, m/z 397.9734
H OS G19 P120811 220811-s1.01961.01961.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



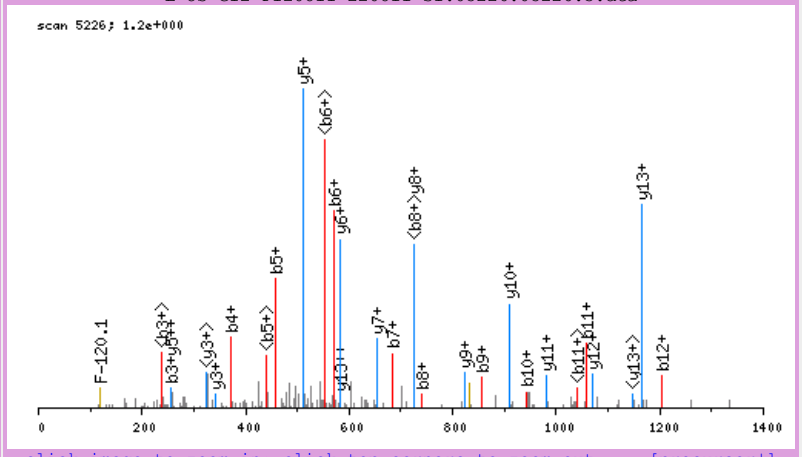
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	13		
149.1138	2	G	12	1497.7874	749.3976
262.1979	3	I	11	1440.7660	720.8869
424.3560	4	K	10	1327.6819	664.3449
553.3986	5	E	9	1165.5238	583.2658
668.4255	6	D	8	1036.4812	518.7445
769.4732	7	T	7	921.4543	**461.2310**
898.5158	8	E	6	820.4066	410.7072
1027.5584	9	E	5	691.3640	**346.1859**
1164.6173	10	H	4	562.3214	**281.6646**
1301.6762	11	H	3	**425.2625**	**213.1352**
1414.7603	12	L	2	**288.2036**	144.6057
	13	R	1	175.1195	88.0637

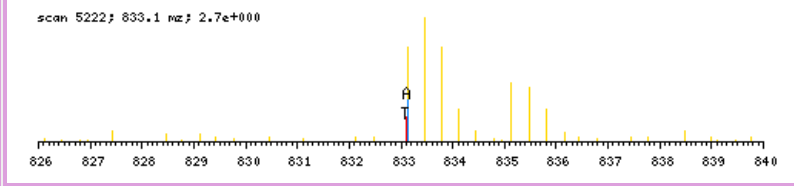
N-term:+35.07 K(4):+162.16

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

GGLDSLIGDSNFGAPSASVAAAPAPAR, MH+ 2497.2687, m/z 833.0944
L OS G12 P120811 220811-s1.05226.05226.3.dta



click image to zoom in; click top corners to zoom out [precursor]



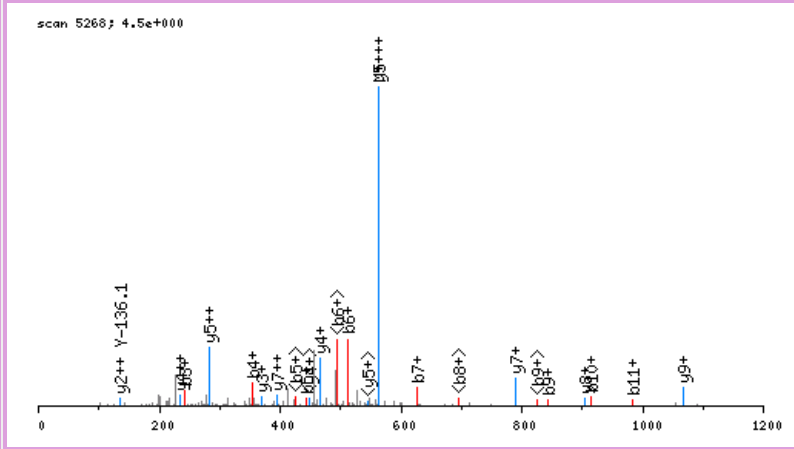
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	27		
143.0820	2	G	26	2412.2159	1206.6119
256.1661	3	L	25	2355.1945	1178.1011
371.1930	4	D	24	2242.1104	1121.5591
458.2251	5	S	23	2127.0835	1064.0456
571.3091	6	L	22	2040.0514	1020.5296
684.3932	7	I	21	1926.9674	963.9876
741.4147	8	G	20	1813.8833	907.4456
856.4416	9	D	19	1756.8618	878.9348
943.4736	10	S	18	1641.8349	821.4214
1057.5166	11	N	17	1554.8029	777.9053
1204.5850	12	F	16	1440.7599	720.8839
1261.6064	13	G	15	1293.6915	647.3497
1332.6435	14	A	14	1236.6701	618.8389
1429.6963	15	P	13	**1165.6329**	**583.3204**
1516.7283	16	S	12	**1068.5802**	534.7940
1587.7655	17	A	11	**981.5482**	491.2780
1674.7975	18	S	10	**910.5110**	455.7594
1773.8659	19	V	9	**823.4790**	412.2434
1844.9030	20	A	8	**724.4106**	362.7092
1915.9401	21	A	7	**653.3735**	327.1907
1986.9772	22	A	6	**582.3364**	291.6721
2084.0300	23	P	5	**511.2993**	**256.1535**
2155.0671	24	A	4	414.2465	207.6272
2252.1199	25	P	3	**343.2094**	172.1086
2323.1570	26	A	2	246.1566	123.5822
	27	R	1	175.1195	88.0637

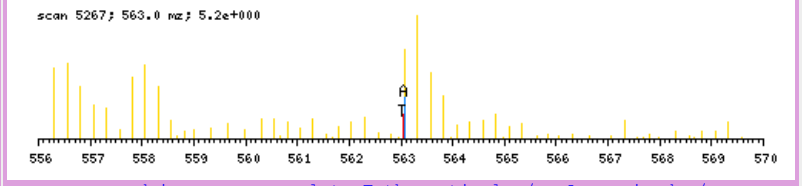
N-term:+29.04

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

GGVISAISEAAAQYNPEPPPPR, MH+ 2249.1566, m/z 563.0446
L OS G12 P120811 220811-s1.05268.05268.4.dta



click image to zoom in; click top corners to zoom out [precursor]



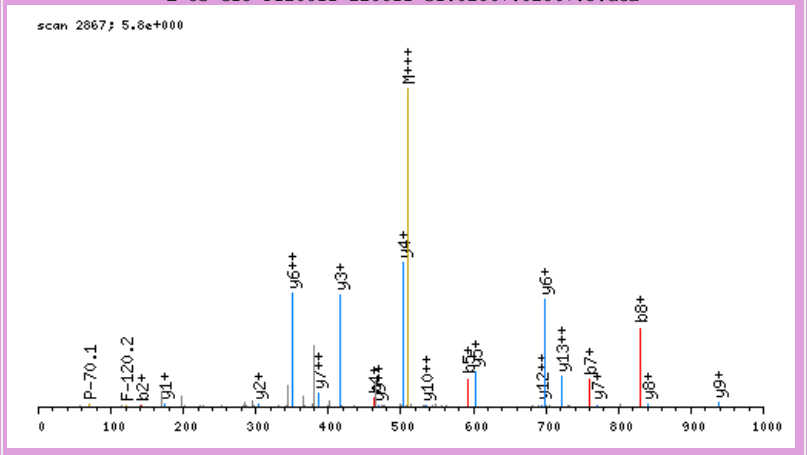
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	22		
143.0820	2	G	21	2164.1039	1082.5558
242.1504	3	V	20	2107.0824	1054.0451
355.2345	4	I	19	2008.0140	1004.5109
442.2665	5	S	18	1894.9299	947.9689
513.3036	6	A	17	1807.8979	904.4529
626.3877	7	I	16	1736.8608	868.9343
713.4197	8	S	15	1623.7767	812.3923
842.4623	9	E	14	1536.7447	768.8763
913.4994	10	A	13	1407.7021	704.3550
984.5366	11	A	12	1336.6650	668.8364
1055.5737	12	A	11	1265.6279	633.3178
1183.6323	13	Q	10	1194.5907	597.7993
1346.6956	14	Y	9	**1066.5322**	533.7700
1460.7385	15	N	8	**903.4688**	452.2383
1557.7913	16	P	7	**789.4259**	**395.2169**
1686.8339	17	E	6	692.3731	346.6905
1783.8866	18	P	5	**563.3306**	**282.1692**
1880.9394	19	P	4	**466.2778**	**233.6428**
1977.9922	20	P	3	**369.2250**	185.1164
2075.0449	21	P	2	272.1723	**136.5900**
	22	R	1	175.1195	88.0637

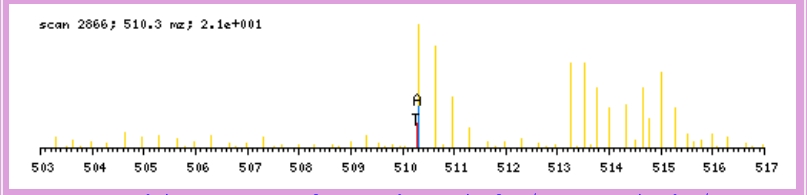
N-term:+29.04

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

GGYKEPAAPVSIQR, MH+ 1528.8488, m/z 510.2878
L OS G15 P120811 220811-s1.02867.02867.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



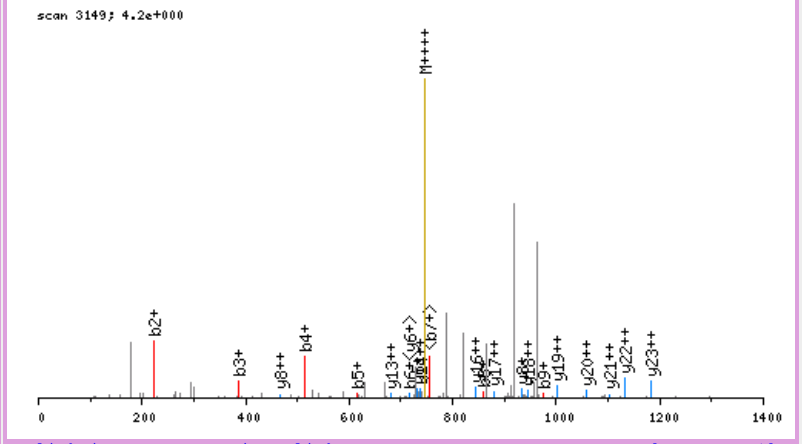
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
143.0820	2	G	13	1443.7960	**722.4019**
306.1454	3	Y	12	1386.7746	**693.8912**
462.2717	4	K	11	1223.7112	612.3595
591.3142	5	E	10	1067.5849	**534.2964**
688.3670	6	P	9	**938.5423**	**469.7751**
759.4041	7	A	8	**841.4896**	421.2487
830.4412	8	A	7	**770.4525**	**385.7301**
927.4940	9	P	6	**699.4153**	**350.2116**
1026.5624	10	V	5	**602.3626**	301.6852
1113.5944	11	S	4	**503.2942**	252.1510
1226.6785	12	I	3	**416.2621**	208.6350
1354.7371	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

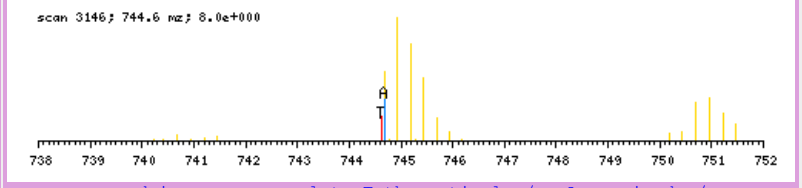
N-term:+29.04 K(4):+156.13

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

GHYEVTGSDDEAGKLQGSGVSLASKKSR, MH+ 2975.5439, m/z 744.6414
L OS G19 P120811 220811-s1.03149.03149.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



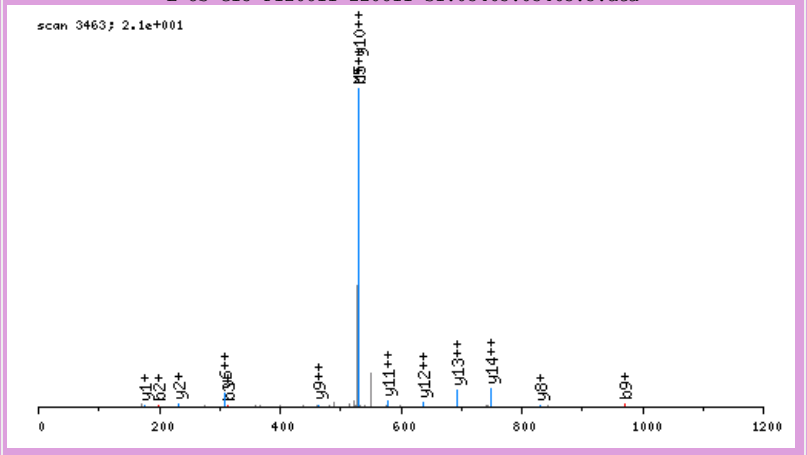
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	28		
223.1195	2	H	27	2890.4912	1445.7495
386.1828	3	Y	26	2753.4322	1377.2200
515.2254	4	E	25	2590.3689	1295.6884
614.2938	5	V	24	2461.3263	1231.1671
715.3415	6	T	23	2362.2579	**1181.6329**
772.3630	7	G	22	2261.2102	**1131.1090**
859.3950	8	S	21	2204.1888	**1102.5983**
974.4219	9	D	20	2117.1567	**1059.0823**
1089.4489	10	D	19	2002.1298	**1001.5688**
1218.4915	11	E	18	1887.1028	**944.0553**
1289.5286	12	A	17	1758.0603	**879.5340**
1346.5500	13	G	16	1687.0231	**844.0155**
1502.6763	14	K	15	1630.0017	815.5048
1615.7604	15	L	14	1473.8754	**737.4416**
1743.8190	16	Q	13	1360.7913	**680.8996**
1800.8404	17	G	12	1232.7327	616.8703
1887.8725	18	S	11	1175.7113	588.3595
1944.8939	19	G	10	1088.6792	544.8435
2043.9624	20	V	9	1031.6578	516.3328
2130.9944	21	S	8	**932.5894**	**466.7986**
2244.0784	22	L	7	845.5573	423.2826
2315.1156	23	A	6	**732.4733**	366.7405
2402.1476	24	S	5	661.4362	331.2220
2558.2739	25	K	4	574.4041	287.7060
2714.4002	26	K	3	418.2778	209.6428
2801.4322	27	S	2	262.1515	131.5797
	28	R	1	175.1195	88.0637

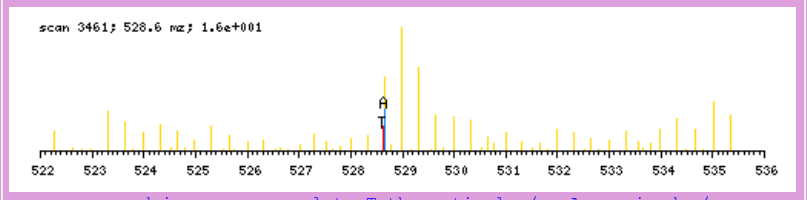
N-term:+29.04 K(14):+156.13
K(25):+156.13 K(26):+156.13

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

GIDLTQVKGTGPEGR, MH+ 1583.8757, m/z 528.6301
L OS G15 P120811 220811-s1.03463.03463.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



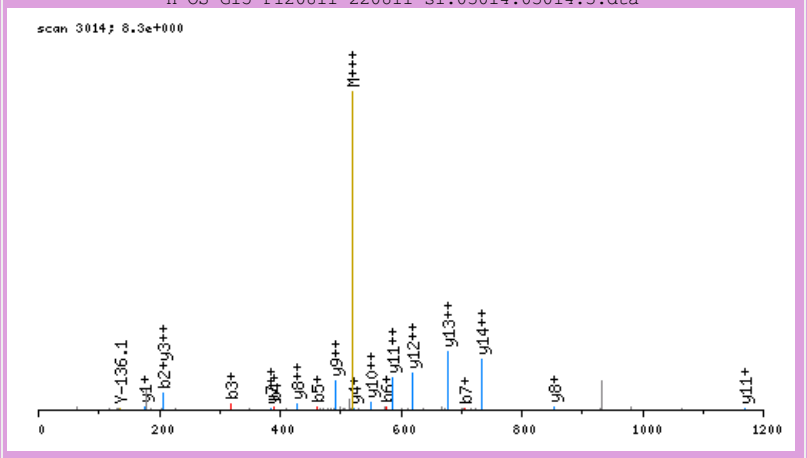
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
199.1446	2	I	14	1498.8230	**749.9154**
314.1716	3	D	13	1385.7389	**693.3734**
427.2556	4	L	12	1270.7120	**635.8599**
528.3033	5	T	11	1157.6279	**579.3179**
656.3619	6	Q	10	1056.5802	**528.7940**
755.4303	7	V	9	928.5216	**464.7647**
911.5566	8	K	8	**829.4532**	415.2305
968.5781	9	G	7	673.3269	337.1674
1069.6257	10	T	6	616.3055	**308.6566**
1126.6472	11	G	5	515.2578	258.1328
1223.7000	12	P	4	458.2363	229.6221
1352.7426	13	E	3	361.1836	181.0957
1409.7640	14	G	2	**232.1410**	116.5744
	15	R	1	**175.1195**	88.0637

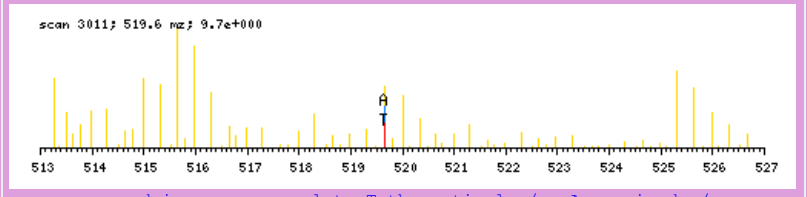
N-term:+29.04 K(8):+156.13

GILAADESTGSIAKR, MH+ 1556.9284, m/z 519.6477
H OS G15 P120811 220811-s1.03014.03014.3.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±]



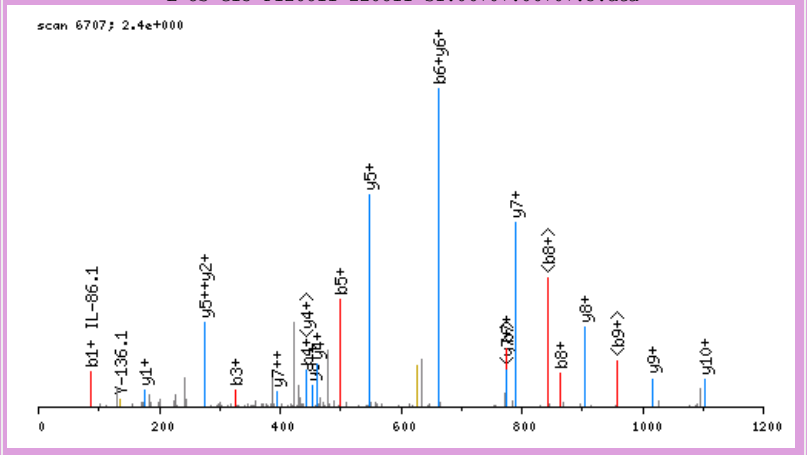
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
205.1764	2	I	14	1465.8439	**733.4258**
318.2605	3	L	13	1352.7598	**676.8838**
389.2976	4	A	12	1239.6757	**620.3418**
460.3347	5	A	11	**1168.6386**	**584.8232**
575.3617	6	D	10	1097.6015	**549.3047**
704.4043	7	E	9	982.5746	**491.7912**
791.4363	8	S	8	**853.5320**	**427.2699**
892.4840	9	T	7	766.4999	**383.7539**
949.5054	10	G	6	665.4523	333.2300
1036.5375	11	S	5	608.4308	304.7193
1149.6215	12	I	4	**521.3988**	261.2033
1220.6586	13	A	3	408.3147	**204.6613**
1382.8167	14	K	2	337.2776	169.1427
	15	R	1	**175.1195**	88.0637

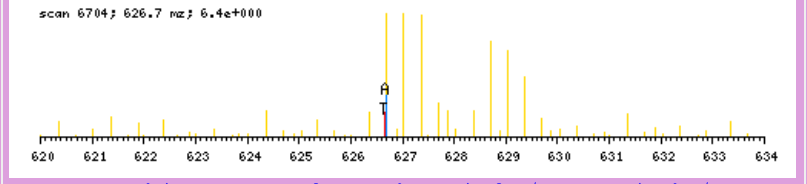
N-term:+35.07 K(14):+162.16

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

GIQDGYLSLLQDSGEVR, MH+ 1877.9609, m/z 626.6585
L OS G13 P120811 220811-s1.06707.06707.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



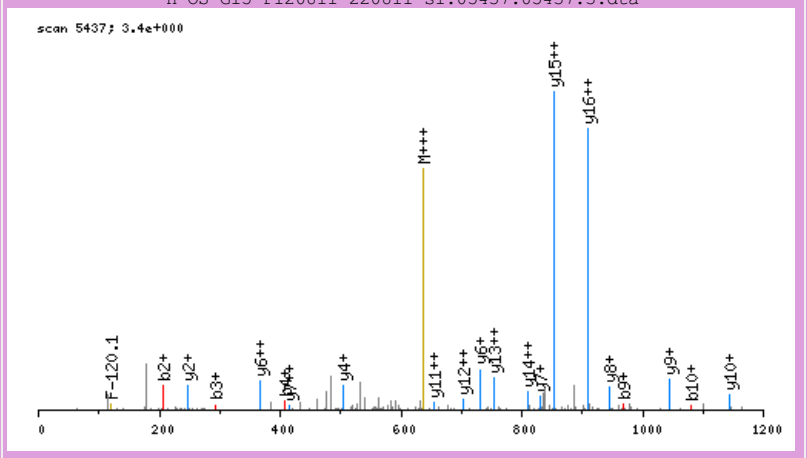
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

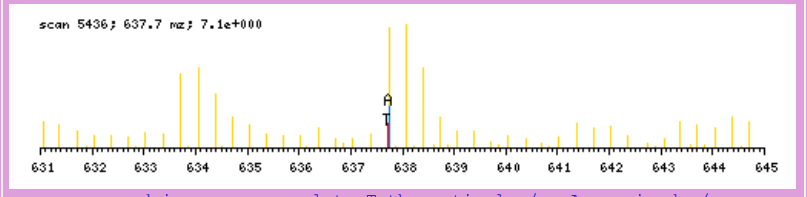
N-term:+29.04

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

GISDVVKVTLTPEEEAR, MH+ 1911.1075, m/z 637.7073
H OS G15 P120811 220811-s1.05437.05437.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



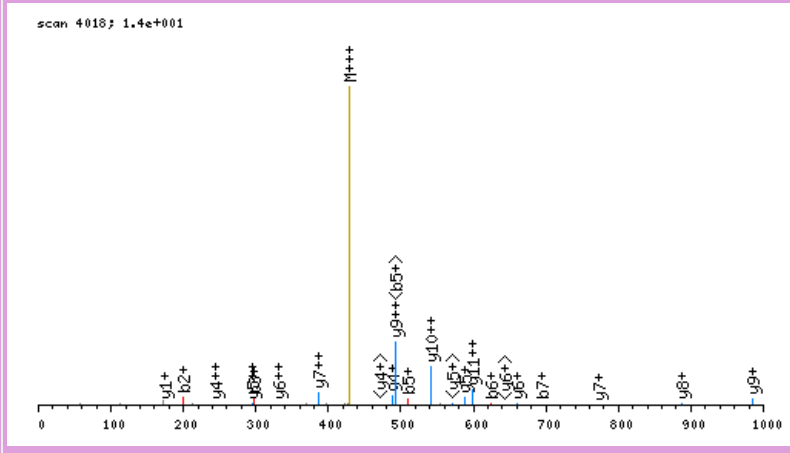
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	17		
205.1764	2	I	16	1820.0230	**910.5154**
292.2085	3	S	15	1706.9389	**853.9734**
407.2354	4	D	14	1619.9069	**810.4573**
506.3038	5	V	13	1504.8799	**752.9439**
605.3722	6	V	12	1405.8115	**703.4097**
767.5303	7	K	11	1306.7431	**653.8755**
866.5987	8	V	10	**1144.5850**	572.7964
967.6464	9	T	9	**1045.5166**	523.2622
1080.7305	10	L	8	**944.4689**	472.7384
1181.7782	11	T	7	**831.3848**	**416.1963**
1278.8309	12	P	6	**730.3372**	**365.6725**
1407.8735	13	E	5	633.2844	317.1461
1536.9161	14	E	4	**504.2418**	252.6248
1665.9587	15	E	3	375.1992	188.1035
1736.9958	16	A	2	**246.1566**	123.5822
	17	R	1	175.1195	88.0637

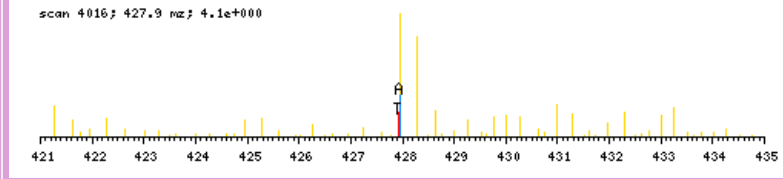
N-term:+35.07 K(7):+162.16

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

GIVPDIAVGTKR, MH+ 1281.7895, m/z 427.9347
L OS G15 P120811 220811-s1.04018.04018.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



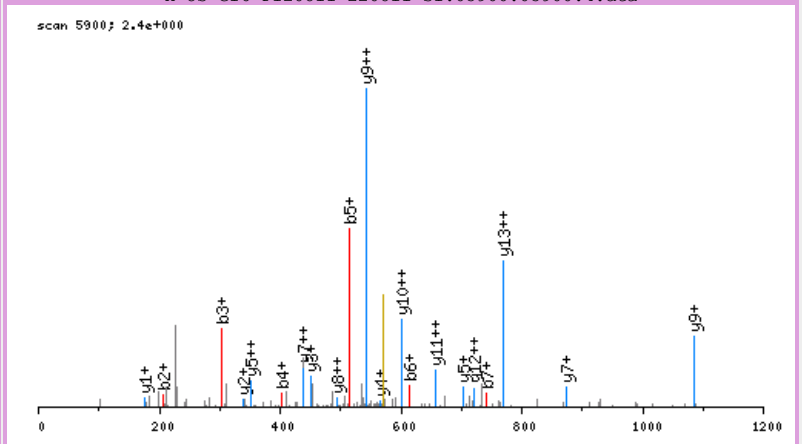
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
199.1446	2	I	11	1196.7367	**598.8723**
298.2130	3	V	10	1083.6527	**542.3302**
395.2658	4	P	9	**984.5842**	**492.7960**
510.2927	5	D	8	**887.5315**	444.2697
623.3768	6	I	7	**772.5045**	**386.7562**
694.4139	7	A	6	**659.4205**	**330.2141**
793.4823	8	V	5	**588.3834**	**294.6956**
850.5038	9	G	4	**489.3149**	**245.1614**
951.5515	10	T	3	432.2935	216.6507
1107.6778	11	K	2	331.2458	166.1268
	12	R	1	**175.1195**	88.0637

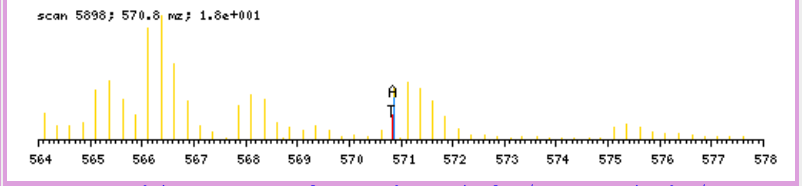
N-term:+29.04 K(11):+156.13

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

GIVPIVEPEILPDGDHDLKR, MH+ 2280.3240, m/z 570.8364
H OS G16 P120811 220811-s1.05900.05900.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



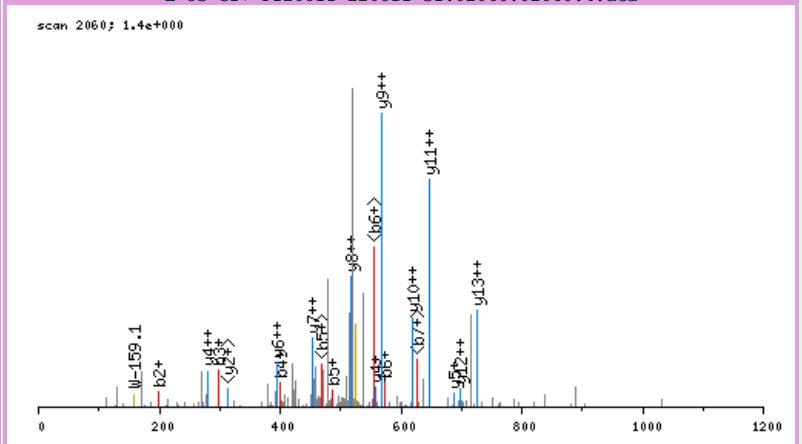
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

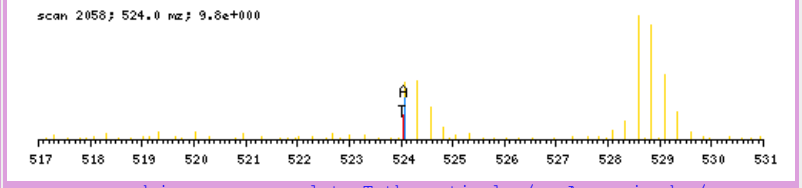
N-term:+35.07 K(19):+162.16

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 G17 P120811 220811-s1.02060.02060.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



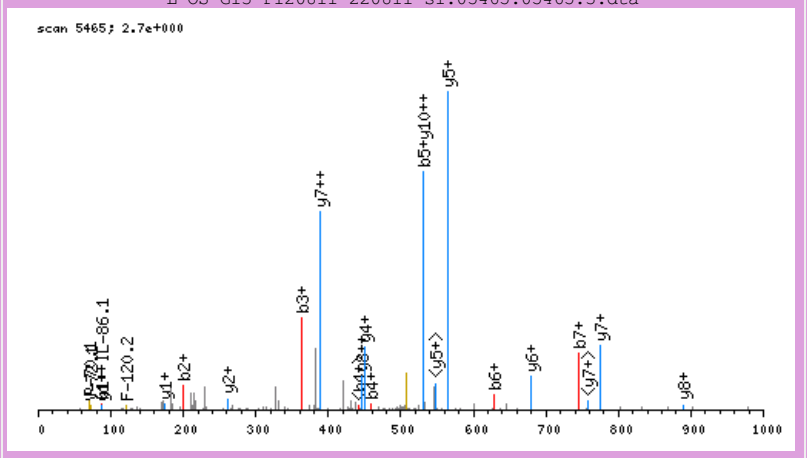
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

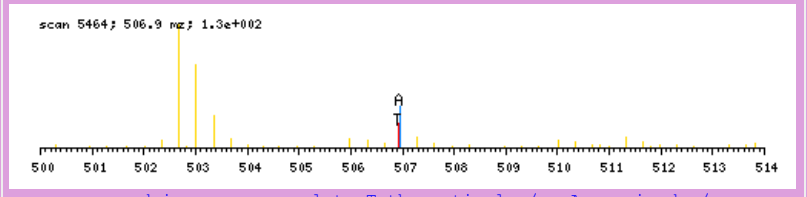
N-term:+29.04 K(18):+156.13
K(19):+156.13

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

GIYPAVDPLDSTSR, MH+ 1518.7804, m/z 506.9316
L OS G13 P120811 220811-s1.05465.05465.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



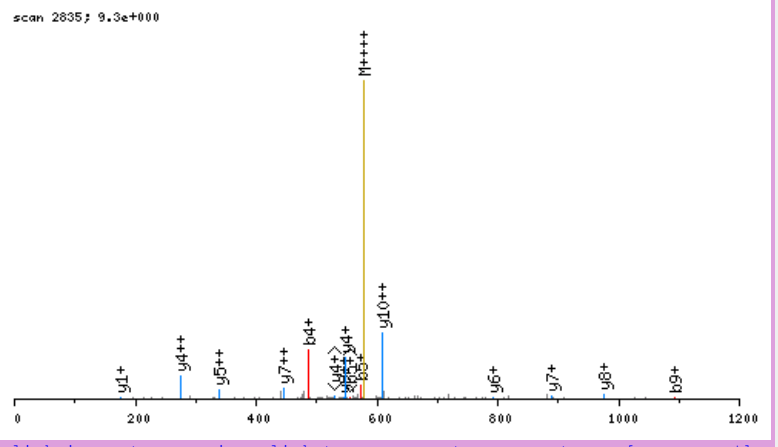
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
199.1446	2	I	13	1433.7276	717.3677
362.2080	3	Y	12	1320.6436	660.8257
459.2607	4	P	11	1157.5802	579.2940
530.2978	5	A	10	1060.5275	530.7677
629.3662	6	V	9	989.4904	495.2491
744.3932	7	D	8	890.4220	445.7149
841.4460	8	P	7	775.3950	388.2014
954.5300	9	L	6	678.3422	339.6750
1069.5570	10	D	5	565.2582	283.1330
1156.5890	11	S	4	450.2312	225.6195
1257.6367	12	T	3	363.1992	182.1035
1344.6687	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

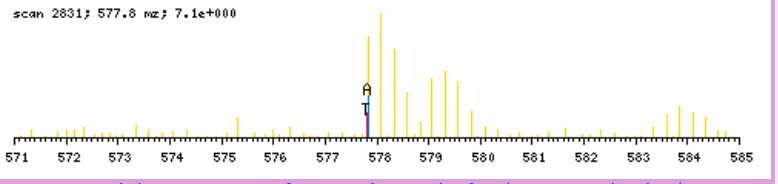
N-term:+29.04

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

GKEDSKTFDQLSPDESKER, MH+ 2308.1673, m/z 577.7973
L OS G18 P120811 220811-s1.02835.02835.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



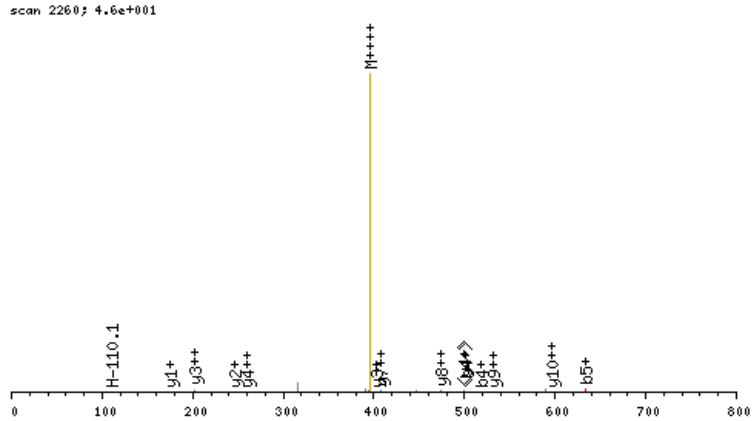
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	19		
242.1869	2	K	18	2223.1146	1112.0612
371.2295	3	E	17	2066.9883	1033.9981
486.2564	4	D	16	1937.9457	969.4768
573.2884	5	S	15	1822.9188	911.9633
729.4147	6	K	14	1735.8867	868.4473
830.4624	7	T	13	1579.7604	790.3841
977.5308	8	F	12	1478.7127	739.8603
1092.5578	9	D	11	1331.6443	666.3261
1220.6163	10	Q	10	1216.6174	**608.8126**
1333.7004	11	L	9	1088.5588	**544.7833**
1420.7324	12	S	8	**975.4748**	488.2413
1517.7852	13	P	7	**888.4427**	**444.7253**
1632.8121	14	D	6	**791.3900**	396.1989
1761.8547	15	E	5	676.3630	**338.6854**
1848.8868	16	S	4	**547.3204**	**274.1641**
2005.0131	17	K	3	460.2884	230.6481
2134.0557	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

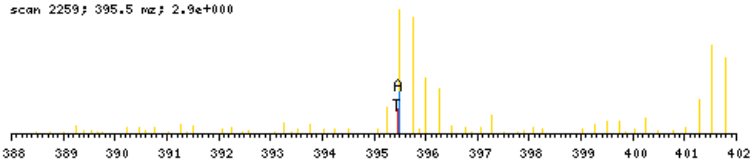
N-term:+29.04 K(2):+156.13
K(6):+156.13 K(17):+156.13

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

GKFEDMAKADKAR, MH+ 1578.8679, m/z 395.4724
L OS G19 P120811 220811-s1.02260.02260.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



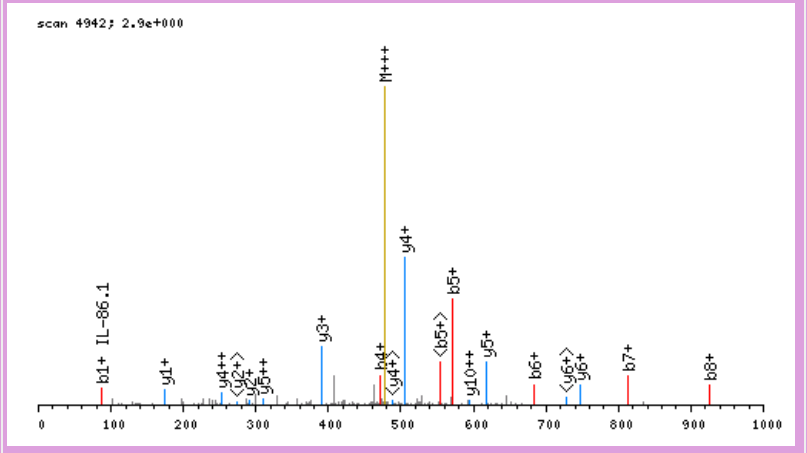
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
242.1869	2	K	12	1493.8151	747.4115
389.2553	3	F	11	1337.6888	669.3483
518.2979	4	E	10	1190.6204	**595.8141**
633.3248	5	D	9	1061.5778	**531.2928**
764.3653	6	M	8	946.5509	**473.7793**
835.4024	7	A	7	815.5104	**408.2591**
991.5287	8	K	6	744.4733	372.7405
1062.5658	9	A	5	588.3470	294.6774
1177.5928	10	D	4	517.3099	**259.1588**
1333.7191	11	K	3	**402.2829**	**201.6454**
1404.7562	12	A	2	**246.1566**	123.5822
	13	R	1	**175.1195**	88.0637

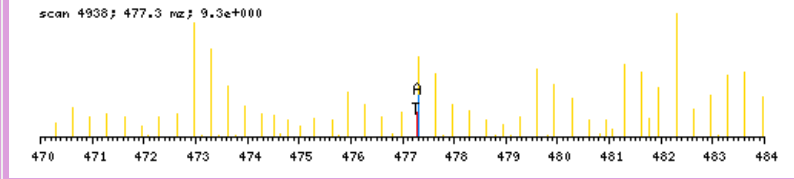
N-term:+29.04 K(2):+156.13
K(8):+156.13 K(11):+156.13

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

GKIDTIEIITDR, MH+ 1429.8266, m/z 477.2804
L OS G16 P120811 220811-s1.04942.04942.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



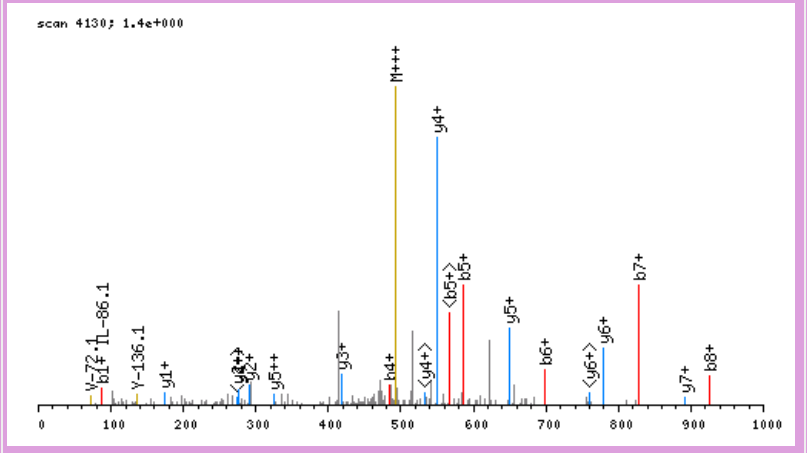
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

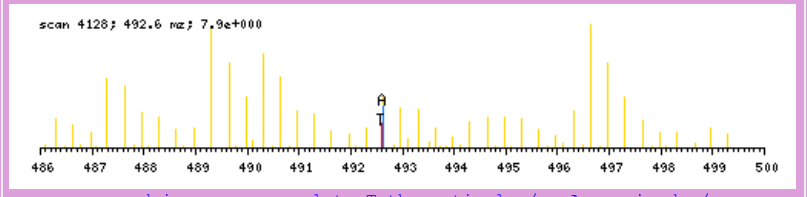
N-term:+29.04 K(2):+156.13

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 G16 P120811 220811-s1.04130.04130.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



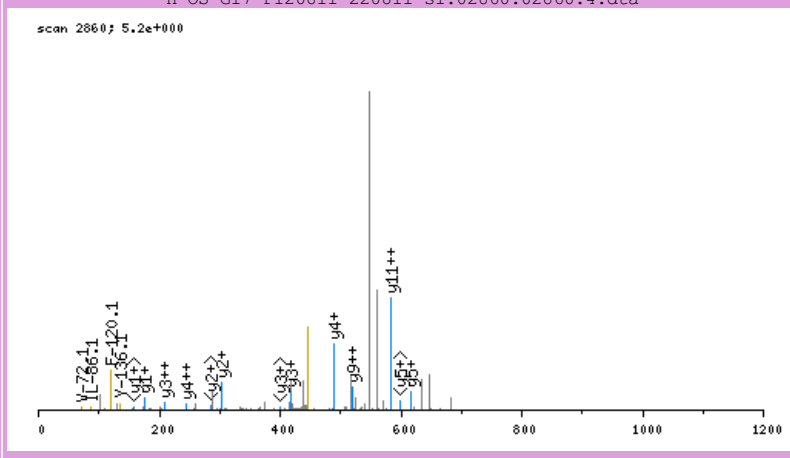
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

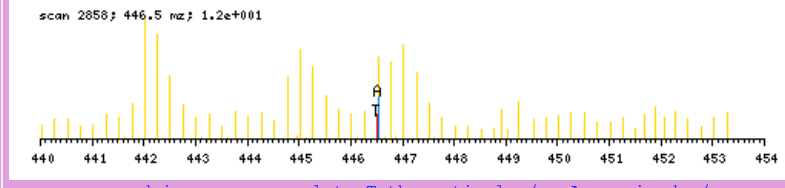
N-term:+29.04 K(2):+156.13

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 G17 P120811 220811-s1.02860.02860.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



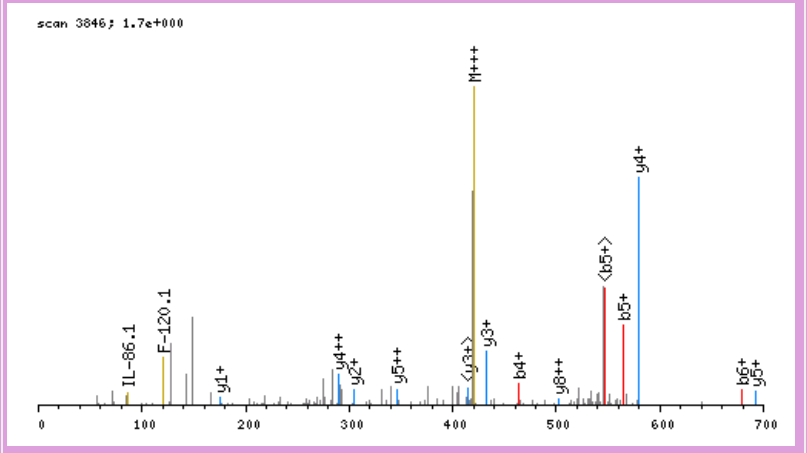
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

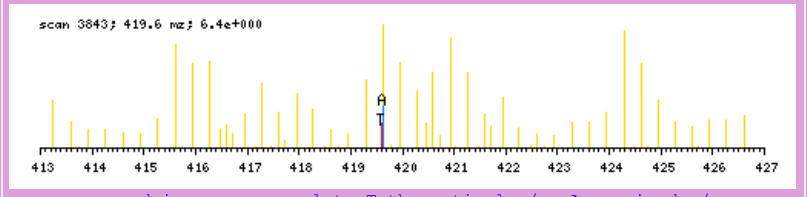
N-term:+35.07 K(2):+162.16

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

GKPITIFQER, MH+ 1256.8003, m/z 419.6049
H OS G16 P120811 220811-s1.03846.03846.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



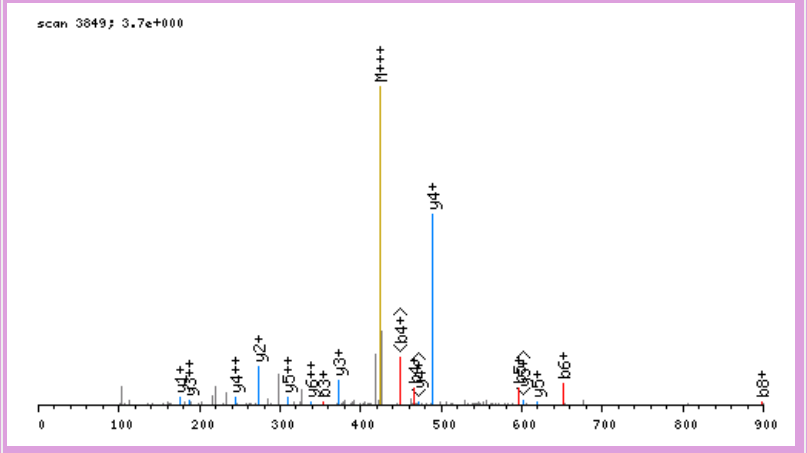
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
254.2505	2	K	9	1165.7158	583.3618
351.3032	3	P	8	1003.5577	**502.2827**
464.3873	4	I	7	906.5049	453.7564
565.4350	5	T	6	793.4208	397.2143
678.5190	6	I	5	**692.3731**	**346.6905**
825.5874	7	F	4	**579.2891**	**290.1485**
953.6460	8	Q	3	**432.2207**	216.6142
1082.6886	9	E	2	**304.1621**	152.5850
	10	R	1	**175.1195**	88.0637

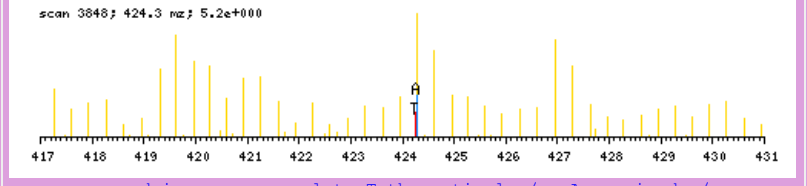
N-term:+35.07 K(2):+162.16

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

GKVLEGMDVVR, MH+ 1270.7829, m/z 424.2658
H OS G16 P120811 220811-s1.03849.03849.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



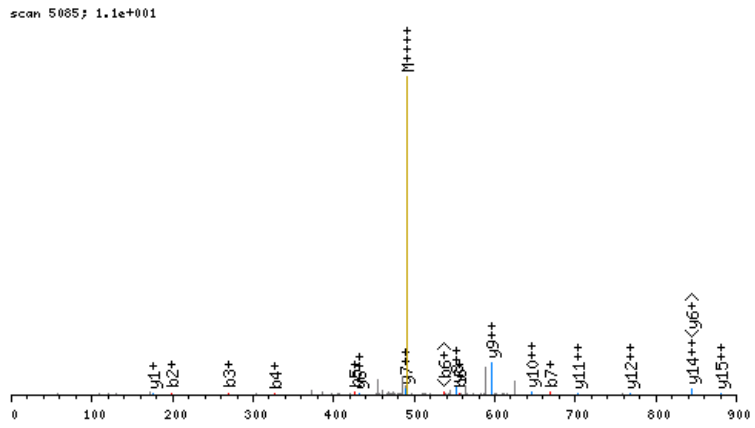
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
254.2505	2	K	10	1179.6984	590.3531
353.3189	3	V	9	1017.5403	509.2741
466.4029	4	L	8	918.4719	459.7399
595.4455	5	E	7	805.3878	403.1978
652.4670	6	G	6	676.3452	**338.6765**
783.5075	7	M	5	**619.3238**	**310.1658**
898.5344	8	D	4	**488.2833**	**244.6455**
997.6028	9	V	3	**373.2563**	**187.1321**
1096.6713	10	V	2	**274.1879**	137.5979
	11	R	1	**175.1195**	88.0637

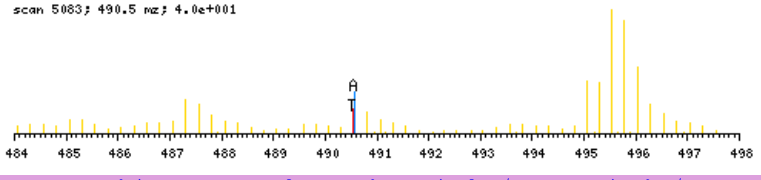
N-term:+35.07 K(2):+162.16

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

GLAGVENVSELKKNFNR, MH+ 1959.1028, m/z 490.5312
L OS G17 P120811 220811-s1.05085.05085.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



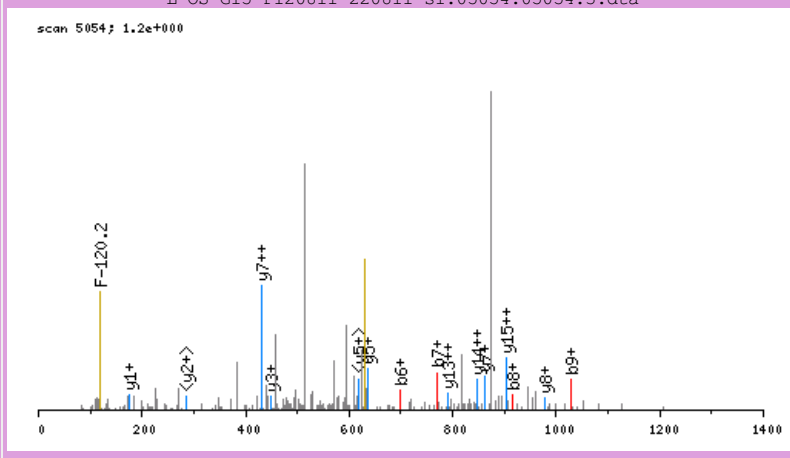
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
199.1446	2	L	16	1874.0500	937.5289
270.1817	3	A	15	1760.9660	**880.9869**
327.2032	4	G	14	1689.9289	**845.4683**
426.2716	5	V	13	1632.9074	816.9576
555.3142	6	E	12	1533.8390	**767.4234**
669.3571	7	N	11	1404.7964	**702.9021**
768.4256	8	V	10	1290.7535	**645.8806**
855.4576	9	S	9	1191.6851	**596.3464**
984.5002	10	E	8	1104.6530	**552.8304**
1097.5842	11	L	7	975.6104	**488.3091**
1253.7105	12	K	6	862.5264	**431.7671**
1409.8368	13	K	5	706.4001	353.7039
1523.8798	14	N	4	550.2738	275.6408
1670.9482	15	F	3	436.2308	218.6193
1784.9911	16	N	2	289.1624	145.0851
	17	R	1	**175.1195**	88.0637

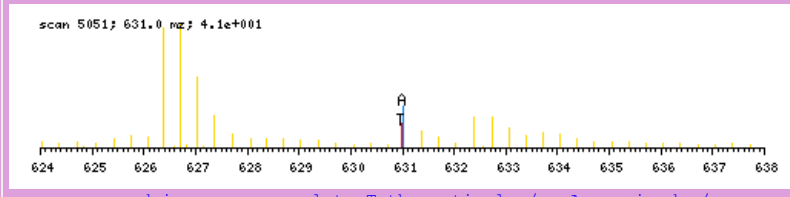
N-term:+29.04 K(12):+156.13
K(13):+156.13

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

GLDVKQAFNPEGEFQR, MH+ 1890.9714, m/z 630.9953
L OS G15 P120811 220811-s1.05054.05054.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



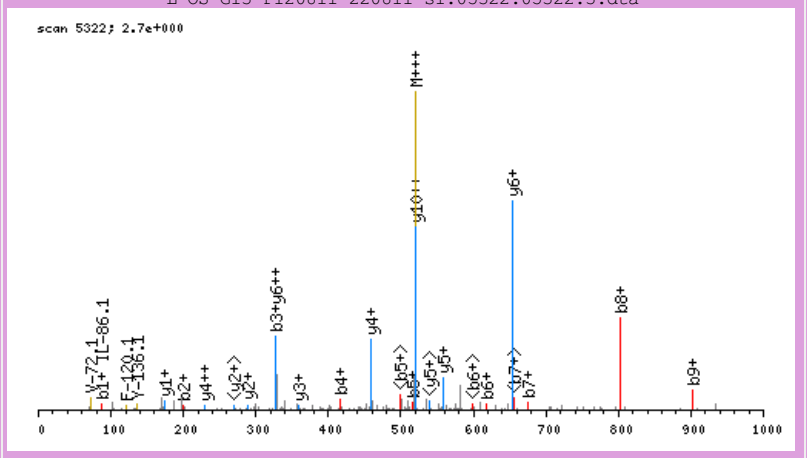
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
199.1446	2	L	15	1805.9187	**903.4632**
314.1716	3	D	14	1692.8346	**846.9212**
413.2400	4	V	13	1577.8077	**789.4077**
569.3663	5	K	12	1478.7392	739.8735
697.4249	6	Q	11	1322.6129	661.8104
768.4620	7	A	10	1194.5544	597.7811
915.5304	8	F	9	1123.5172	562.2625
1029.5733	9	N	8	**976.4488**	488.7283
1126.6261	10	P	7	**862.4059**	**431.7069**
1255.6687	11	E	6	765.3531	383.1805
1312.6901	12	G	5	**636.3105**	318.6592
1441.7327	13	E	4	579.2891	290.1485
1588.8011	14	F	3	**450.2465**	225.6272
1716.8597	15	Q	2	303.1781	152.0930
	16	R	1	**175.1195**	88.0637

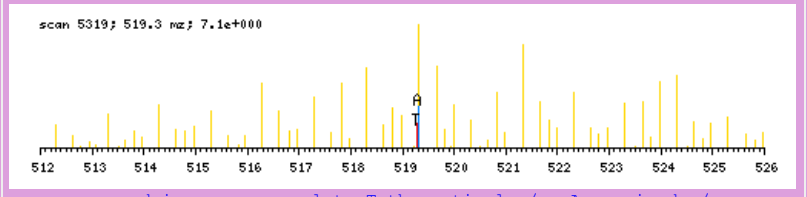
N-term:+29.04 K(5):+156.13

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

GLESTTGEVPVVAIR, MH+ 1555.8695, m/z 519.2947
L OS G13 P120811 220811-s1.05322.05322.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



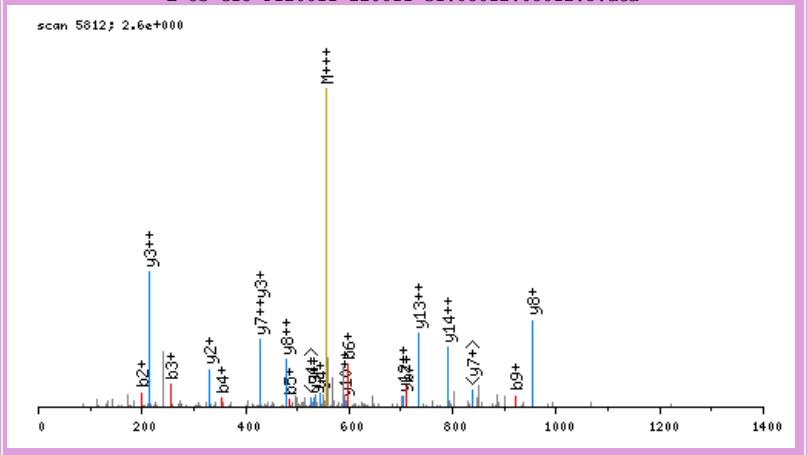
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

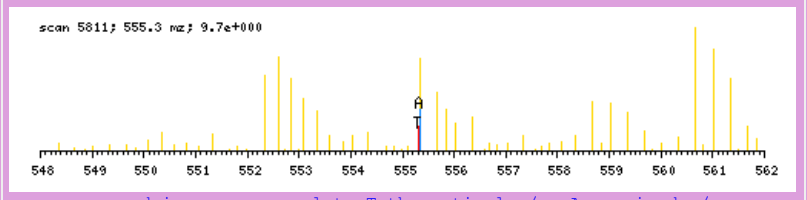
N-term:+29.04

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

GLGPMNIPLISDPKR, MH+ 1663.9569, m/z 555.3238
L OS G15 P120811 220811-s1.05812.05812.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



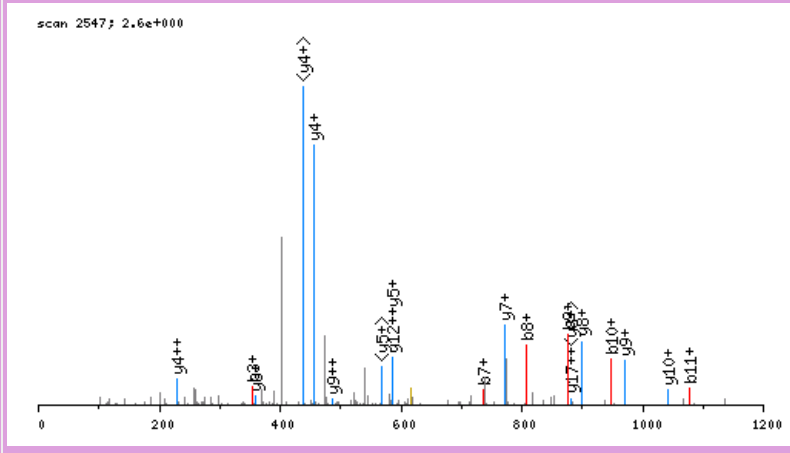
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
199.1446	2	L	14	1578.9042	**789.9560**
256.1661	3	G	13	1465.8201	**733.4140**
353.2189	4	P	12	1408.7987	**704.9032**
484.2593	5	M	11	1311.7459	656.3769
598.3023	6	N	10	1180.7054	**590.8566**
711.3863	7	I	9	1066.6625	**533.8352**
808.4391	8	P	8	**953.5784**	**477.2931**
921.5232	9	L	7	856.5257	**428.7667**
1034.6072	10	I	6	743.4416	372.2247
1121.6393	11	S	5	630.3575	315.6827
1236.6662	12	D	4	**543.3255**	272.1667
1333.7190	13	P	3	**428.2986**	**214.6532**
1489.8453	14	K	2	**331.2458**	166.1268
	15	R	1	175.1195	88.0637

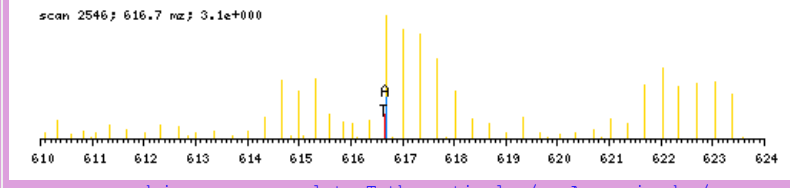
N-term:+29.04 K(14):+156.13

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

GLKPPEGAAAEGEEPPSR, MH+ 1847.9503, m/z 616.6550
L OS G15 P120811 220811-s1.02547.02547.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



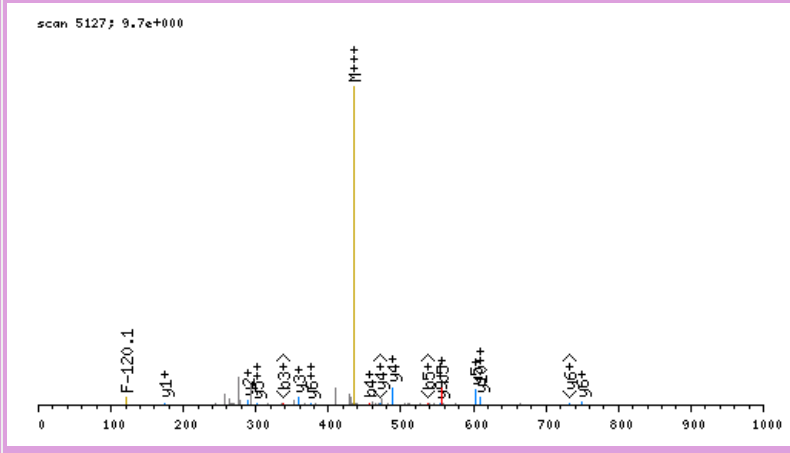
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	18		
199.1446	2	L	17	1762.8976	**881.9527**
355.2709	3	K	16	1649.8135	825.4107
452.3237	4	P	15	1493.6872	747.3475
549.3765	5	P	14	1396.6345	698.8211
678.4190	6	E	13	1299.5817	650.2948
735.4405	7	G	12	1170.5391	**585.7735**
806.4776	8	A	11	1113.5176	557.2627
877.5147	9	A	10	**1042.4805**	521.7442
948.5519	10	A	9	**971.4434**	**486.2256**
1077.5944	11	E	8	**900.4063**	450.7071
1134.6159	12	G	7	**771.3637**	386.1858
1263.6585	13	E	6	714.3422	357.6750
1392.7011	14	E	5	**585.2997**	293.1537
1489.7539	15	P	4	**456.2571**	**228.6324**
1586.8066	16	P	3	**359.2043**	180.1061
1673.8387	17	S	2	262.1515	131.5797
	18	R	1	175.1195	88.0637

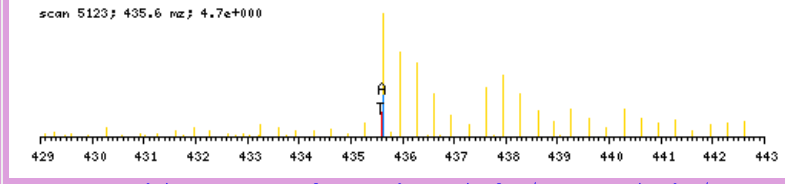
N-term:+29.04 K(3):+156.13

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

GLKTVFDEAIR, MH+ 1304.7578, m/z 435.5908
L OS G16 P120811 220811-s1.05127.05127.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



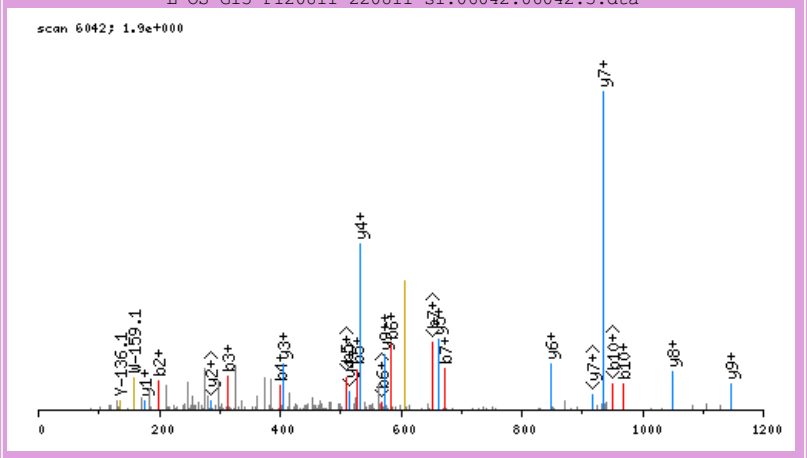
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
199.1446	2	L	10	1219.7051	**610.3565**
355.2709	3	K	9	1106.6210	**553.8144**
456.3186	4	T	8	950.4947	475.7513
555.3870	5	V	7	849.4470	425.2274
702.4554	6	F	6	**750.3786**	**375.6932**
817.4824	7	D	5	**603.3102**	**302.1590**
946.5250	8	E	4	**488.2833**	244.6455
1017.5621	9	A	3	**359.2407**	180.1243
1130.6461	10	I	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

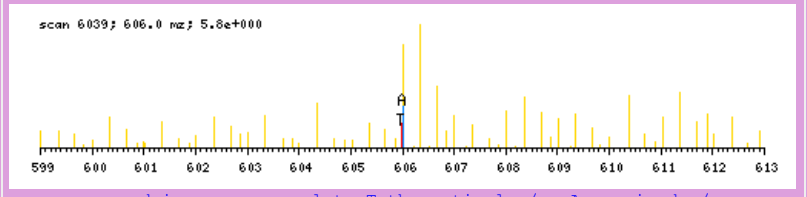
N-term:+29.04 K(3):+156.13

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

GLLSQGSPLSWEETQR, MH+ 1815.9241, m/z 605.9795
L OS G13 P120811 220811-s1.06042.06042.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



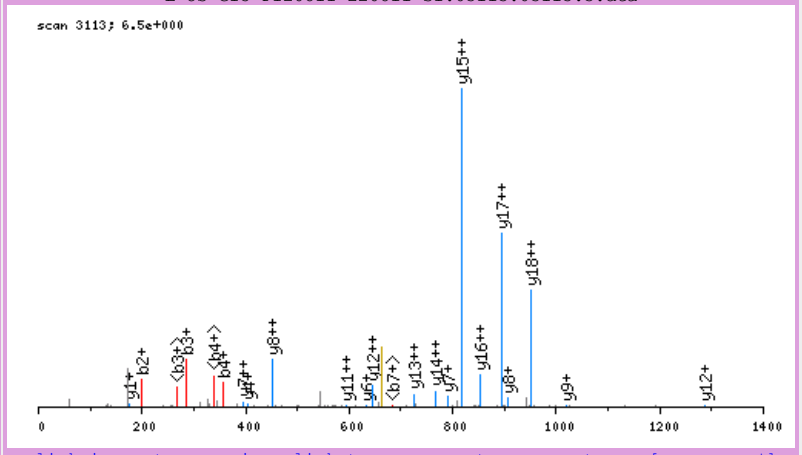
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

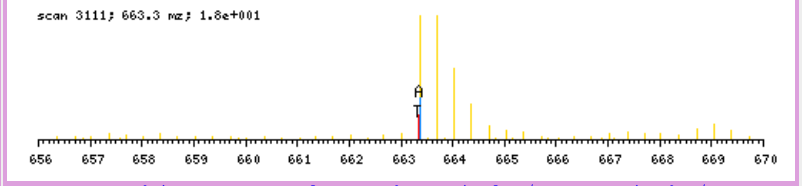
N-term:+29.04

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

GLSAPSCPGLDDKTEASAR, MH+ 1987.9758, m/z 663.3301
L OS G15 P120811 220811-s1.03113.03113.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



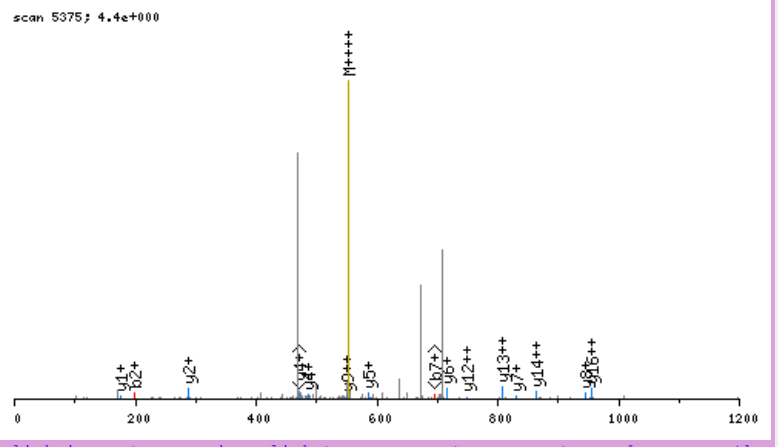
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	19		
199.1446	2	L	18	1902.9231	**951.9655**
286.1767	3	S	17	1789.8390	**895.4234**
357.2138	4	A	16	1702.8070	**851.9074**
454.2665	5	P	15	1631.7699	**816.3889**
541.2986	6	S	14	1534.7171	**767.8625**
701.3292	7	C	13	1447.6851	**724.3465**
798.3819	8	P	12	**1287.6545**	**644.3312**
855.4034	9	G	11	1190.6017	**595.8048**
968.4875	10	L	10	1133.5803	567.2941
1083.5144	11	D	9	**1020.4962**	510.7520
1198.5413	12	D	8	**905.4693**	**453.2385**
1354.6676	13	K	7	**790.4423**	**395.7251**
1455.7153	14	T	6	**634.3160**	317.6619
1584.7579	15	E	5	533.2683	267.1381
1655.7950	16	A	4	**404.2258**	202.6168
1742.8271	17	S	3	333.1886	167.0982
1813.8642	18	A	2	246.1566	123.5822
	19	R	1	**175.1195**	88.0637

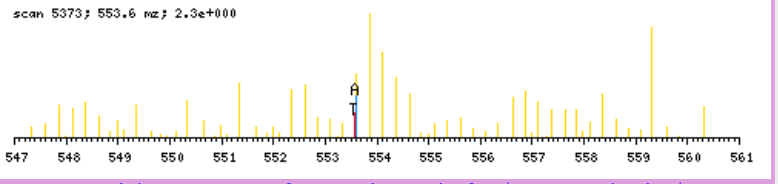
N-term:+29.04 C(7):+160.03
K(13):+156.13

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

GLTSVINQKLKDDEVAQLR, MH+ 2211.2713, m/z 553.5733
L OS G16 P120811 220811-s1.05375.05375.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



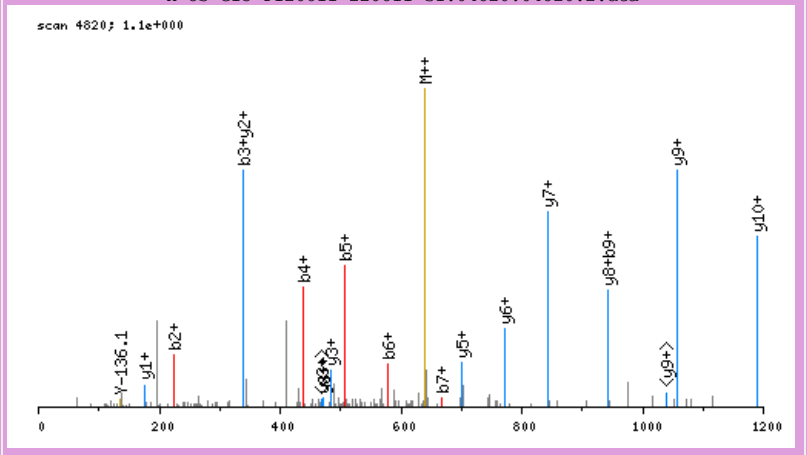
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	19		
199.1446	2	L	18	2126.2186	1063.6132
300.1923	3	T	17	2013.1345	1007.0712
387.2243	4	S	16	1912.0868	**956.5473**
486.2927	5	V	15	1825.0548	913.0313
599.3768	6	I	14	1725.9864	**863.4971**
713.4197	7	N	13	1612.9023	**806.9551**
841.4783	8	Q	12	1498.8594	**749.9336**
997.6046	9	K	11	1370.8008	685.9043
1110.6887	10	L	10	1214.6745	607.8412
1266.8150	11	K	9	1101.5904	**551.2991**
1381.8419	12	D	8	**945.4641**	473.2360
1496.8689	13	D	7	**830.4372**	415.7225
1625.9115	14	E	6	**715.4103**	358.2090
1724.9799	15	V	5	**586.3677**	293.6877
1796.0170	16	A	4	**487.2993**	244.1535
1924.0756	17	Q	3	416.2621	208.6350
2037.1596	18	L	2	**288.2036**	144.6057
	19	R	1	**175.1195**	88.0637

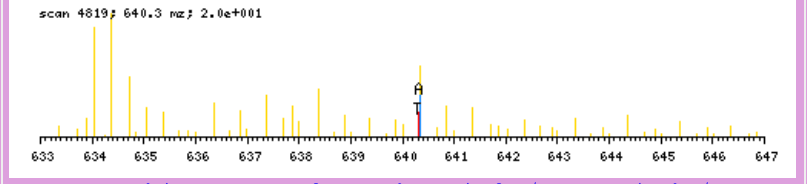
N-term:+29.04 K(9):+156.13
K(11):+156.13

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

GMDVAASEFYR, MH+ 1279.6205, m/z 640.3139
H OS G13 P120811 220811-s1.04820.04820.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



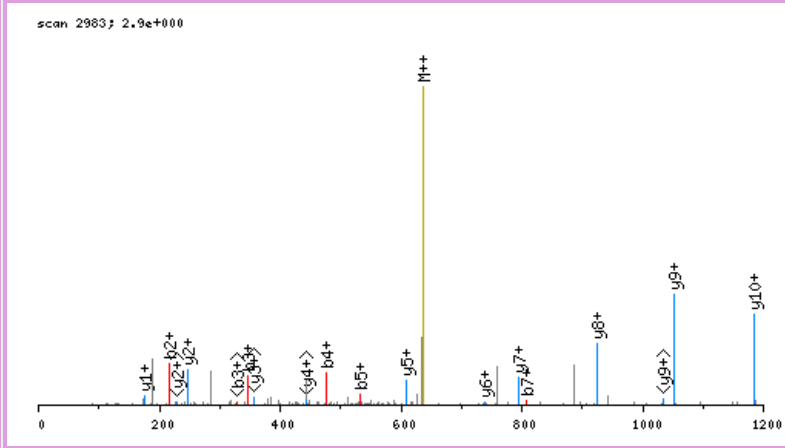
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	11		
223.1328	2	M	10	1188.5359	594.7719
338.1598	3	D	9	1057.4954	529.2516
437.2282	4	V	8	942.4685	471.7382
508.2653	5	A	7	843.4001	422.2040
579.3024	6	A	6	772.3630	386.6854
666.3345	7	S	5	701.3259	351.1668
795.3771	8	E	4	614.2938	307.6508
942.4455	9	F	3	485.2512	243.1295
1105.5088	10	Y	2	338.1828	169.5953
	11	R	1	175.1195	88.0637

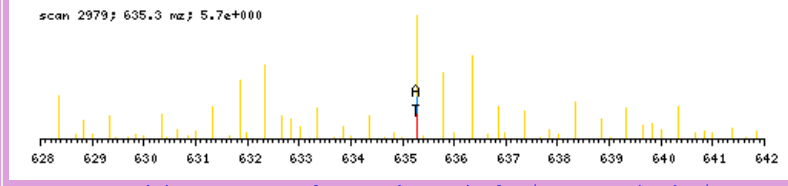
N-term:+35.07

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

GMEEGEFSEAR, MH+ 1269.5421, m/z 635.2747
L OS G13 P120811 220811-s1.02983.02983.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



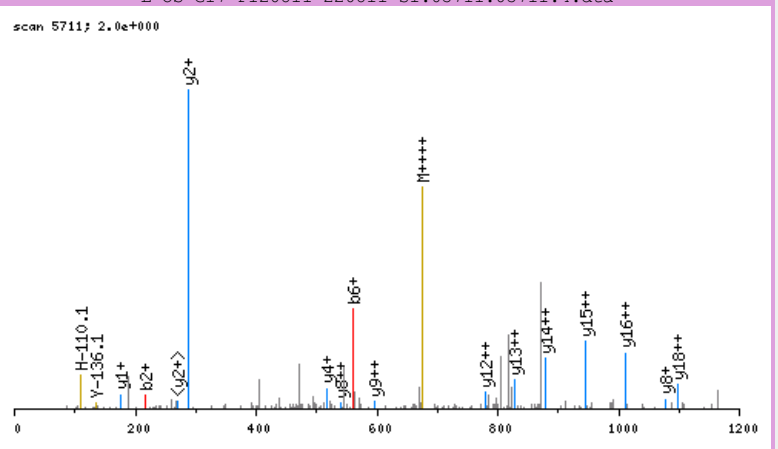
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
217.1010	2	M	10	1184.4894	592.7486
346.1436	3	E	9	1053.4489	527.2284
475.1862	4	E	8	924.4063	462.7071
532.2077	5	G	7	795.3637	398.1858
661.2503	6	E	6	738.3422	369.6750
808.3187	7	F	5	609.2997	305.1537
895.3507	8	S	4	462.2312	231.6195
1024.3933	9	E	3	375.1992	188.1035
1095.4304	10	A	2	246.1566	123.5822
	11	R	1	175.1195	88.0637

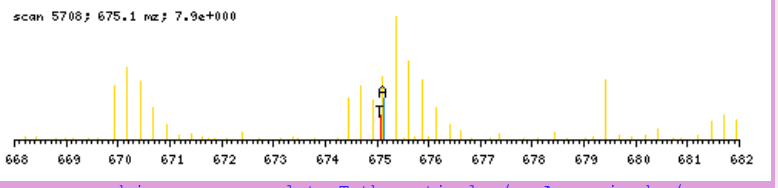
N-term:+29.04

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

GMESAGIHETTYNSIMKCDIDIR, MH+ 2697.2686, m/z 675.0726
L OS G17 P120811 220811-s1.05711.05711.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



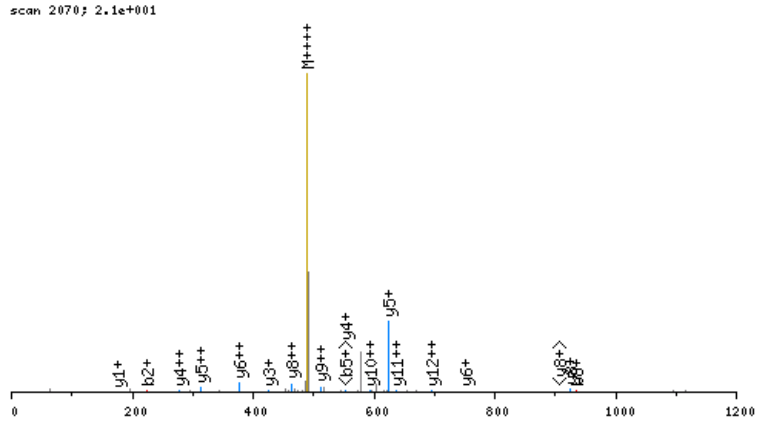
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	23		
217.1010	2	M	22	2612.2159	1306.6118
346.1436	3	E	21	2481.1754	1241.0916
433.1757	4	S	20	2352.1328	1176.5703
504.2128	5	A	19	2265.1008	1133.0543
561.2342	6	G	18	2194.0636	**1097.5357**
674.3183	7	I	17	2137.0422	1069.0250
811.3772	8	H	16	2023.9581	**1012.4830**
940.4198	9	E	15	1886.8992	**943.9535**
1041.4675	10	T	14	1757.8566	**879.4322**
1142.5152	11	T	13	1656.8089	**828.9084**
1305.5785	12	Y	12	1555.7612	**778.3845**
1419.6214	13	N	11	1392.6979	696.8529
1506.6535	14	S	10	1278.6550	639.8314
1619.7375	15	I	9	1191.6230	**596.3154**
1750.7780	16	M	8	**1078.5389**	**539.7734**
1906.9043	17	K	7	947.4984	474.2531
2066.9349	18	C	6	791.3721	396.1900
2181.9618	19	D	5	631.3415	316.1747
2295.0459	20	I	4	**516.3146**	258.6612
2410.0729	21	D	3	403.2305	202.1192
2523.1569	22	I	2	**288.2036**	144.6057
	23	R	1	**175.1195**	88.0637

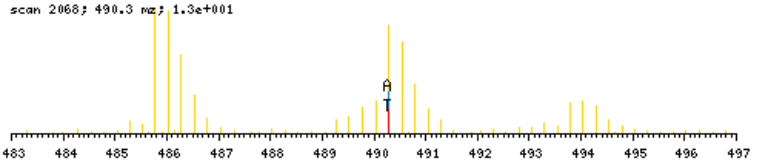
N-term:+29.04 K(17):+156.13
C(18):+160.03

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

GMGQKDSYVGDEAQSKR, MH+ 1958.0502, m/z 490.2680
H OS G17 P120811 220811-s1.02070.02070.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



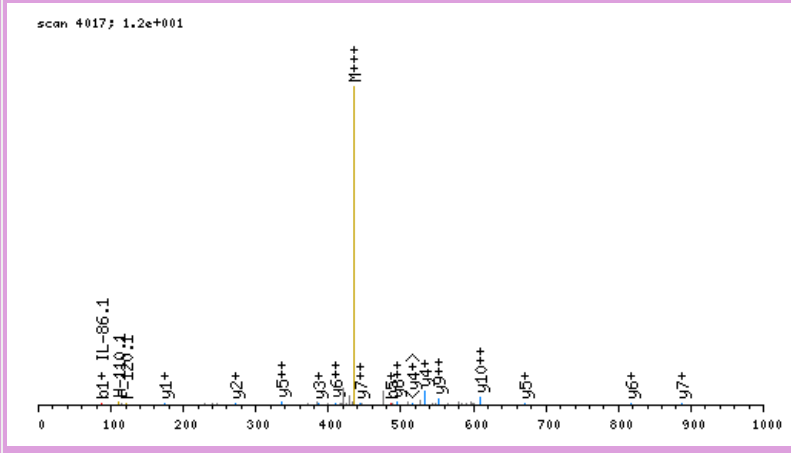
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

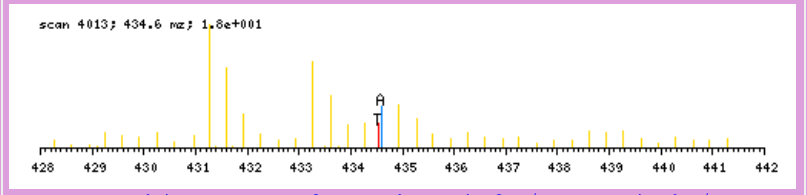
N-term:+35.07 K(5):+162.16
K(16):+162.16

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

GNDVAFHFNPR, MH+ 1301.6391, m/z 434.5512
L OS G16 P120811 220811-s1.04017.04017.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



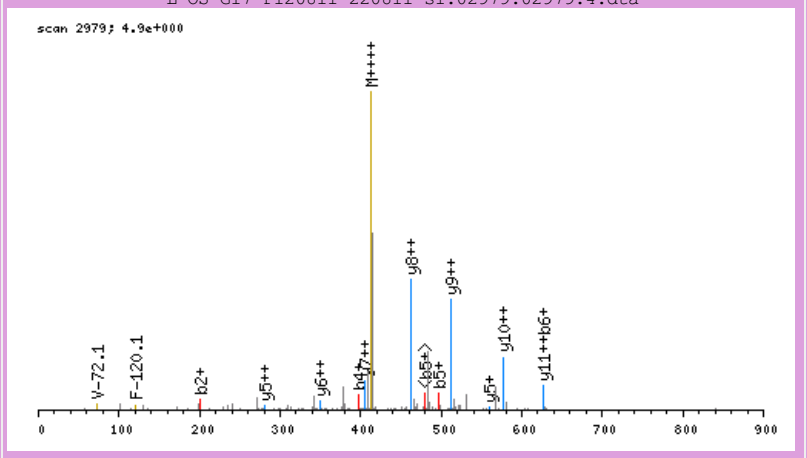
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	11		
200.1035	2	N	10	1216.5863	608.7971
315.1304	3	D	9	1102.5434	551.7756
414.1988	4	V	8	987.5165	494.2621
485.2360	5	A	7	888.4480	444.7279
632.3044	6	F	6	817.4109	409.2094
769.3633	7	H	5	670.3425	335.6752
916.4317	8	F	4	533.2836	267.1457
1030.4746	9	N	3	386.2152	193.6115
1127.5274	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

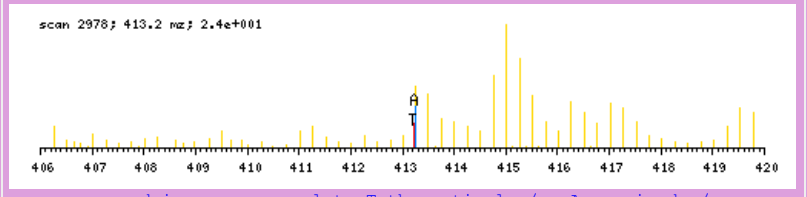
N-term:+29.04

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

GNPTVEVDLHTAKGR, MH+ 1649.8975, m/z 413.2298
L OS G17 P120811 220811-s1.02979.02979.4.dta



click image to zoom in; 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 [x]+ [ ]2+ [ ]3+

c [ ]+ [ ]2+ [ ]3+

x [ ]+ [ ]2+ [ ]3+

y [x]+ [x]2+ [ ]3+

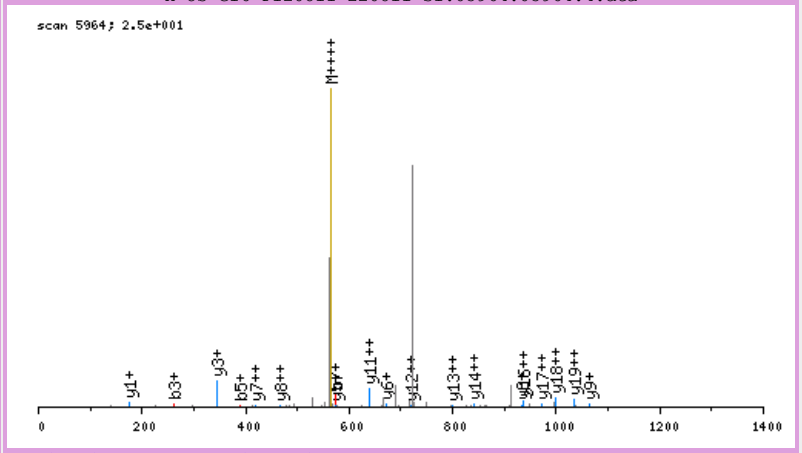
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

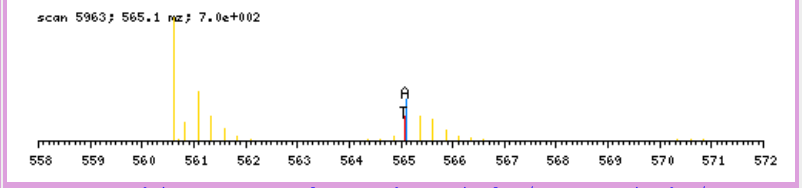
zoom 112-122 [ ]

GO

GPAGAGESKCPLMVKVLDAVR, MH+ 2257.3261, m/z 565.0870
H OS G16 P120811 220811-s1.05964.05964.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



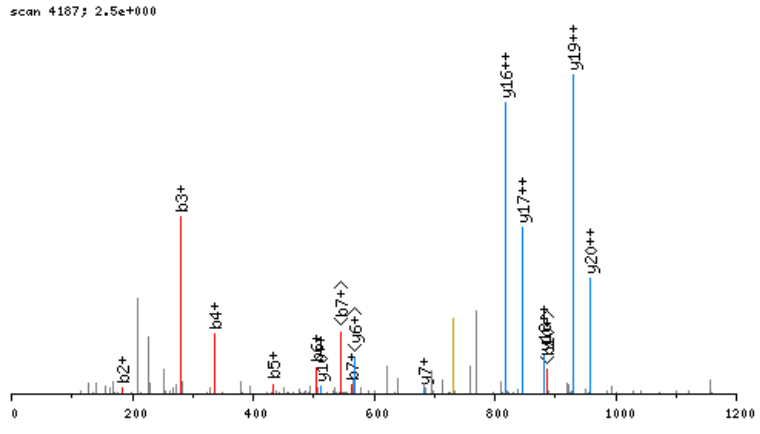
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

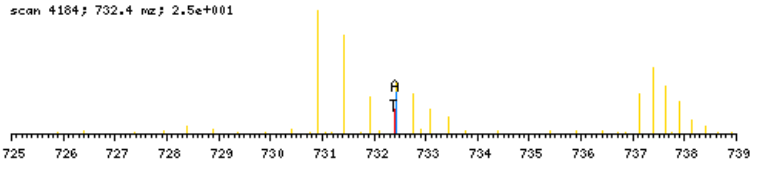
N-term:+35.07 K(9):+162.16
C(10):+160.03 K(15):+162.16

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

GPPGPAGEKGLPGEKGPQGPAGR, MH+ 2195.1937, m/z 732.4028
L OS G13 P120811 220811-s1.04187.04187.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



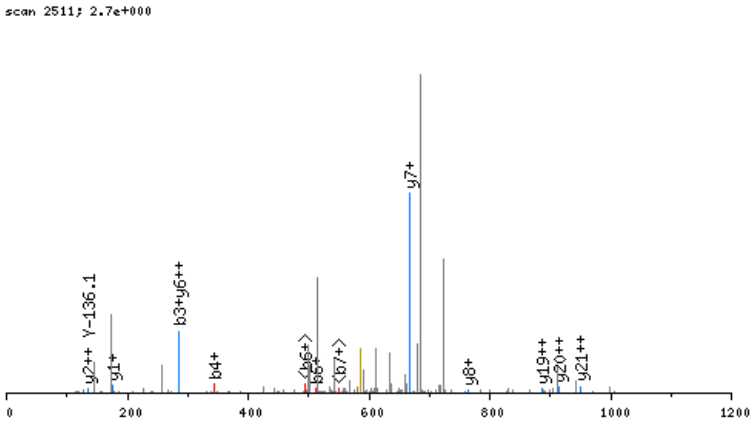
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	23		
183.1133	2	P	22	2110.1410	1055.5744
280.1661	3	P	21	2013.0882	1007.0480
337.1876	4	G	20	1916.0355	**958.5216**
434.2403	5	P	19	1859.0140	**930.0109**
505.2774	6	A	18	1761.9612	**881.4845**
562.2989	7	G	17	1690.9241	**845.9660**
691.3415	8	E	16	1633.9027	**817.4552**
847.4678	9	K	15	1504.8601	752.9339
904.4893	10	G	14	1348.7338	674.8708
1017.5733	11	L	13	1291.7123	646.3601
1114.6261	12	P	12	1178.6282	589.8180
1171.6475	13	G	11	1081.5755	541.2916
1300.6901	14	E	10	1024.5540	**512.7809**
1456.8164	15	K	9	895.5114	448.2596
1513.8379	16	G	8	739.3851	370.1965
1610.8907	17	P	7	**682.3636**	341.6857
1738.9492	18	Q	6	585.3109	293.1594
1795.9707	19	G	5	457.2523	229.1301
1893.0235	20	P	4	400.2308	200.6193
1964.0606	21	A	3	303.1781	152.0930
2021.0820	22	G	2	232.1410	116.5744
	23	R	1	175.1195	88.0637

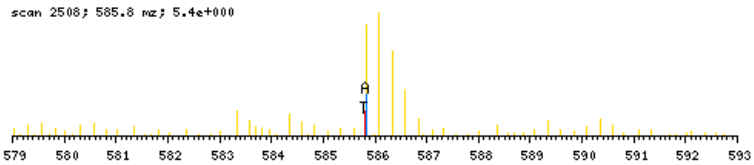
N-term:+29.04 K(9):+156.13
K(15):+156.13

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

GPPGPAGPSGESRPGSPGPPGSPGPR, MH+ 2340.1909, m/z 585.8032
H OS G17 P120811 220811-s1.02511.02511.4.dta



click image to zoom in; click top corners to zoom out [precursor]



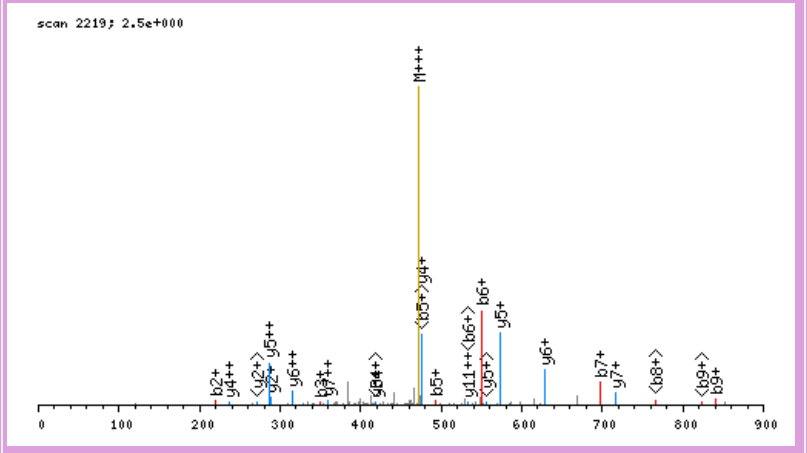
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	26		
189.1451	2	P	25	2249.1063	1125.0571
286.1979	3	P	24	2152.0536	1076.5307
343.2194	4	G	23	2055.0008	1028.0043
440.2721	5	P	22	1997.9793	999.4936
511.3092	6	A	21	1900.9266	**950.9672**
568.3307	7	G	20	1829.8894	**915.4486**
665.3835	8	P	19	1772.8680	**886.9379**
752.4155	9	S	18	1675.8152	838.4115
809.4370	10	G	17	1588.7832	794.8955
938.4795	11	E	16	1531.7617	766.3848
1025.5116	12	S	15	1402.7191	701.8635
1181.6127	13	R	14	1315.6871	658.3475
1278.6654	14	P	13	1159.5860	580.2969
1335.6869	15	G	12	1062.5332	531.7705
1422.7189	16	S	11	1005.5118	503.2598
1519.7717	17	P	10	918.4797	459.7438
1576.7932	18	G	9	821.4270	411.2174
1673.8459	19	P	8	**764.4055**	382.7067
1770.8987	20	P	7	**667.3527**	334.1803
1827.9202	21	G	6	570.3000	**285.6539**
1914.9522	22	S	5	513.2785	257.1432
2012.0050	23	P	4	426.2465	213.6272
2069.0264	24	G	3	329.1937	165.1008
2166.0792	25	P	2	272.1723	**136.5900**
	26	R	1	**175.1195**	88.0637

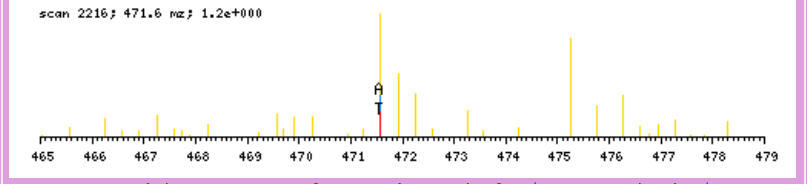
N-term:+35.07

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

GQESGGFSGPGENR, MH+ 1412.6618, m/z 471.5588
H OS G14 P120811 220811-s1.02219.02219.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



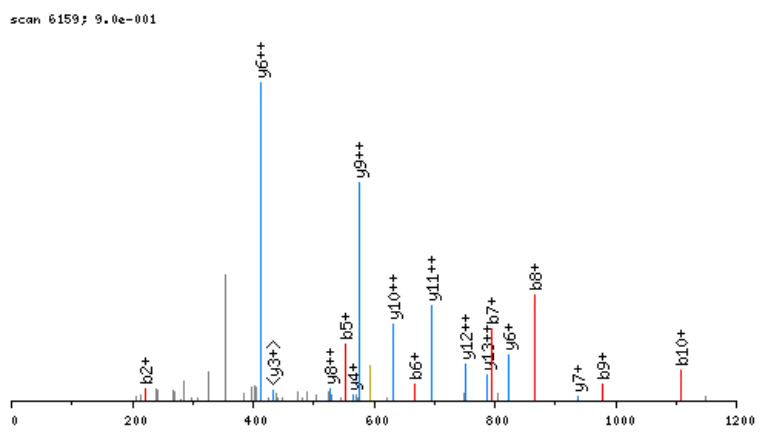
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

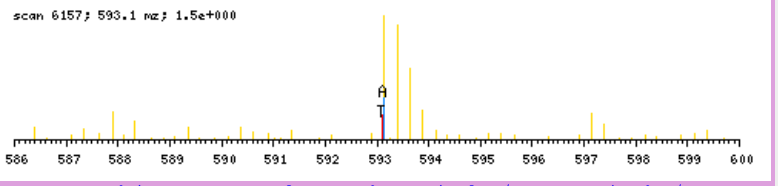
N-term:+35.07

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+ 2369.4293, m/z 593.1128
H OS G16 P120811 220811-s1.06159.06159.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



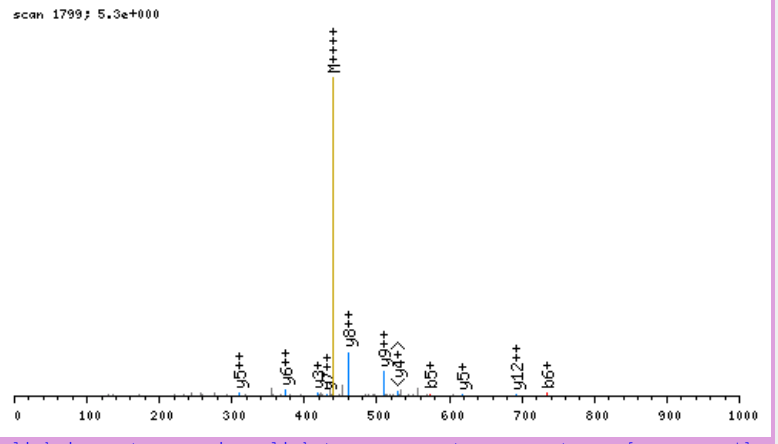
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	20		
220.1509	2	Q	19	2278.3448	1139.6763
367.2194	3	F	18	2150.2862	1075.6470
424.2408	4	G	17	2003.2178	1002.1128
553.2834	5	E	16	1946.1963	973.6021
666.3675	6	I	15	1817.1537	909.0808
795.4101	7	E	14	1704.0697	852.5387
866.4472	8	A	13	1575.0271	**788.0174**
979.5312	9	I	12	1503.9899	**752.4989**
1108.5738	10	E	11	1390.9059	**695.9569**
1221.6579	11	L	10	1261.8633	**631.4356**
1318.7107	12	P	9	1148.7792	**574.8935**
1431.7947	13	I	8	1051.7265	**526.3671**
1546.8217	14	D	7	**938.6424**	469.8251
1643.8744	15	P	6	**823.6155**	**412.3116**
1806.0325	16	K	5	726.5627	363.7853
1919.1166	17	L	4	**564.4046**	282.7062
2033.1595	18	N	3	451.3205	226.1642
2195.3176	19	K	2	337.2776	169.1427
	20	R	1	175.1195	88.0637

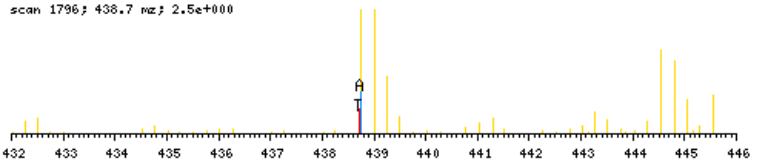
N-term:+35.07 K(16):+162.16
K(19):+162.16

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

GQKDSYVGDEAQSKR, MH+ 1751.8929, m/z 438.7287
L OS G17 P120811 220811-s1.01799.01799.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



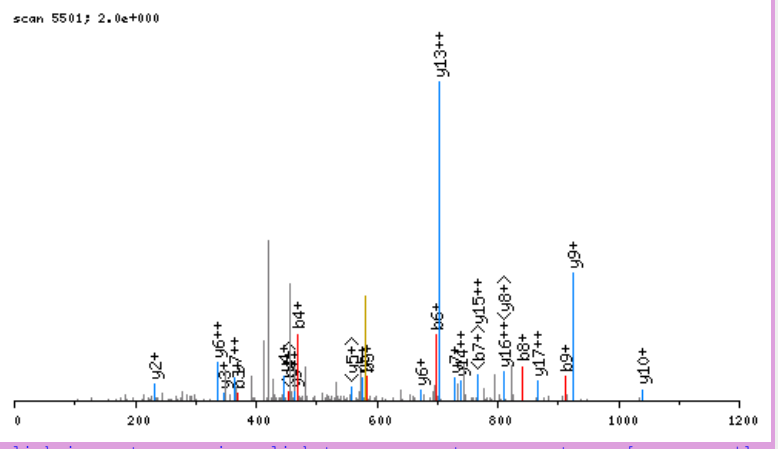
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
214.1191	2	Q	14	1666.8401	833.9240
370.2454	3	K	13	1538.7815	769.8947
485.2724	4	D	12	1382.6552	**691.8315**
572.3044	5	S	11	1267.6283	634.3181
735.3677	6	Y	10	1180.5963	590.8020
834.4362	7	V	9	1017.5329	**509.2704**
891.4576	8	G	8	918.4645	**459.7362**
1006.4846	9	D	7	861.4431	**431.2254**
1135.5272	10	E	6	746.4161	**373.7120**
1206.5643	11	A	5	**617.3735**	**309.1907**
1334.6228	12	Q	4	546.3364	273.6721
1421.6549	13	S	3	**418.2778**	209.6428
1577.7812	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

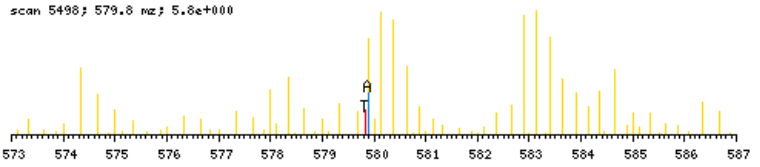
N-term:+29.04 K(3):+156.13
K(14):+156.13

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

GQKVLDSGAPIKIPVGPETLGR, MH+ 2316.3655, m/z 579.8468
L OS G16 P120811 220811-s1.05501.05501.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



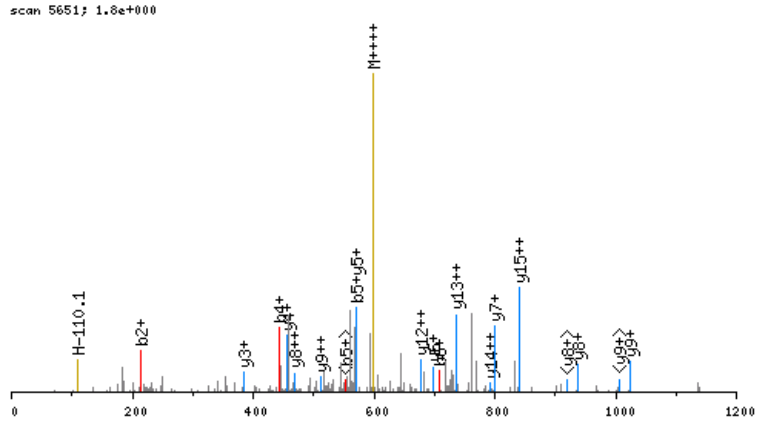
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	22		
214.1191	2	Q	21	2231.3128	1116.1603
370.2454	3	K	20	2103.2542	1052.1310
469.3139	4	V	19	1947.1279	974.0679
582.3979	5	L	18	1848.0595	924.5337
697.4249	6	D	17	1734.9754	**867.9916**
784.4569	7	S	16	1619.9485	**810.4782**
841.4784	8	G	15	1532.9165	**766.9622**
912.5155	9	A	14	1475.8950	**738.4514**
1009.5682	10	P	13	1404.8579	**702.9329**
1122.6523	11	I	12	1307.8051	654.4065
1278.7786	12	K	11	1194.7211	597.8644
1391.8627	13	I	10	**1038.5948**	519.8013
1488.9154	14	P	9	**925.5107**	**463.2593**
1587.9838	15	V	8	828.4579	414.7329
1645.0053	16	G	7	**729.3895**	**365.1987**
1742.0581	17	P	6	**672.3681**	**336.6879**
1871.1007	18	E	5	**575.3153**	288.1616
1972.1483	19	T	4	**446.2727**	223.6403
2085.2324	20	L	3	**345.2250**	173.1164
2142.2539	21	G	2	**232.1410**	116.5744
	22	R	1	175.1195	88.0637

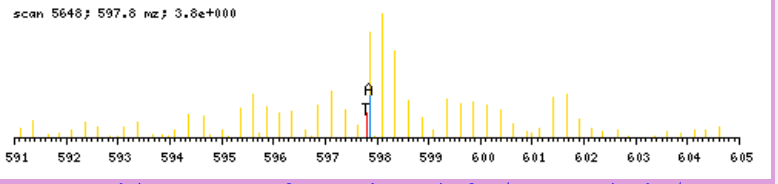
N-term:+29.04 K(3):+156.13
K(12):+156.13

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

GQLDQHPIDGYLSHTELAPLR, MH+ 2388.2312, m/z 597.8132
L OS G16 P120811 220811-s1.05651.05651.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



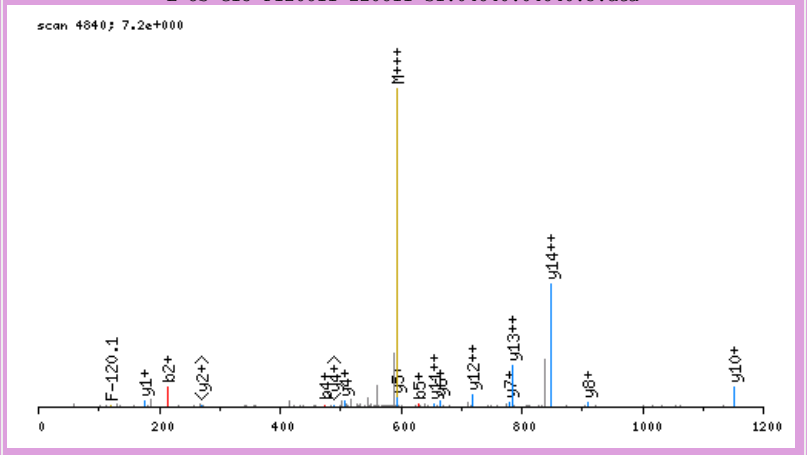
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
214.1191	2	Q	20	2303.1784	1152.0931
327.2032	3	L	19	2175.1198	1088.0638
442.2301	4	D	18	2062.0358	1031.5218
570.2887	5	Q	17	1947.0088	974.0083
707.3476	6	H	16	1818.9503	909.9790
804.4004	7	P	15	1681.8913	**841.4496**
917.4845	8	I	14	1584.8386	**792.9232**
1032.5114	9	D	13	1471.7545	**736.3812**
1089.5329	10	G	12	1356.7276	**678.8677**
1252.5962	11	Y	11	1299.7061	650.3570
1365.6803	12	L	10	1136.6428	568.8253
1452.7123	13	S	9	**1023.5587**	**512.2833**
1589.7712	14	H	8	**936.5267**	**468.7673**
1690.8189	15	T	7	**799.4678**	400.2378
1819.8615	16	E	6	**698.4201**	349.7140
1932.9455	17	L	5	**569.3775**	285.1927
2003.9827	18	A	4	**456.2934**	228.6506
2101.0354	19	P	3	**385.2563**	193.1321
2214.1195	20	L	2	288.2036	144.6057
	21	R	1	175.1195	88.0637

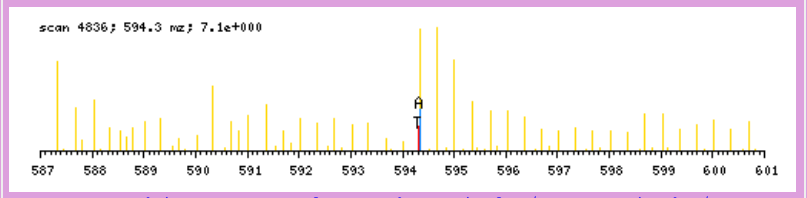
N-term:+29.04

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

GQMQKPFEDASFALR, MH+ 1780.9056, m/z 594.3067
L OS G15 P120811 220811-s1.04840.04840.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



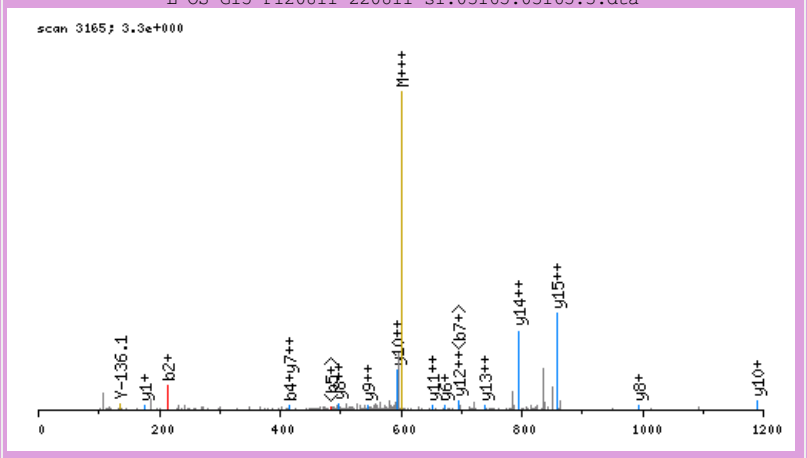
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
214.1191	2	Q	14	1695.8529	**848.4304**
345.1596	3	M	13	1567.7943	**784.4011**
473.2182	4	Q	12	1436.7538	**718.8808**
629.3445	5	K	11	1308.6952	**654.8515**
726.3973	6	P	10	**1152.5689**	576.7884
873.4657	7	F	9	1055.5162	528.2620
1002.5083	8	E	8	**908.4478**	454.7278
1117.5352	9	D	7	**779.4052**	390.2065
1188.5723	10	A	6	**664.3782**	332.6930
1275.6044	11	S	5	**593.3411**	297.1745
1422.6728	12	F	4	**506.3091**	253.6585
1493.7099	13	A	3	359.2407	180.1243
1606.7940	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

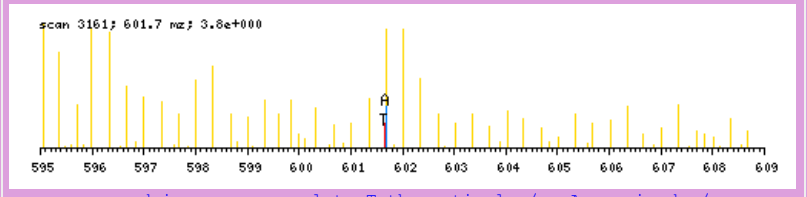
N-term:+29.04 K(5):+156.13

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

GQNSSIPVYKGEIQAR, MH+ 1802.9765, m/z 601.6637
L OS G15 P120811 220811-s1.03165.03165.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



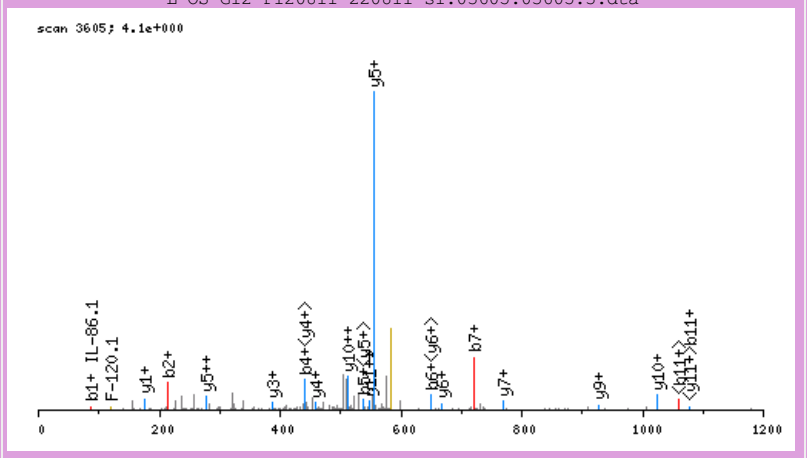
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
214.1191	2	Q	15	1717.9237	**859.4658**
328.1621	3	N	14	1589.8652	**795.4365**
415.1941	4	S	13	1475.8222	**738.4150**
502.2261	5	S	12	1388.7902	**694.8990**
615.3102	6	I	11	1301.7582	**651.3830**
712.3630	7	P	10	**1188.6741**	**594.8410**
811.4314	8	V	9	1091.6214	**546.3146**
974.4947	9	Y	8	**992.5529**	**496.7804**
1130.6210	10	K	7	829.4896	**415.2487**
1187.6425	11	G	6	**673.3633**	337.1856
1316.6851	12	E	5	616.3418	308.6748
1429.7691	13	I	4	487.2993	244.1535
1557.8277	14	Q	3	374.2152	187.6115
1628.8648	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

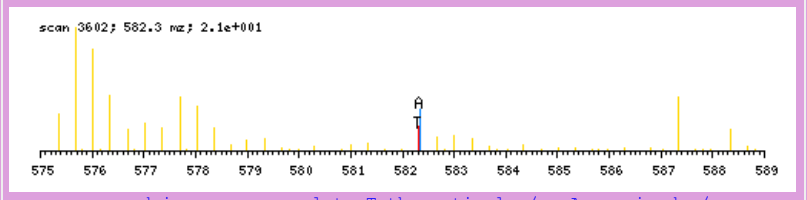
N-term:+29.04 K(10):+156.13

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

GQPEPLAPGTTLPAPDR, MH+ 1744.9233, m/z 582.3126
L OS G12 P120811 220811-s1.03605.03605.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



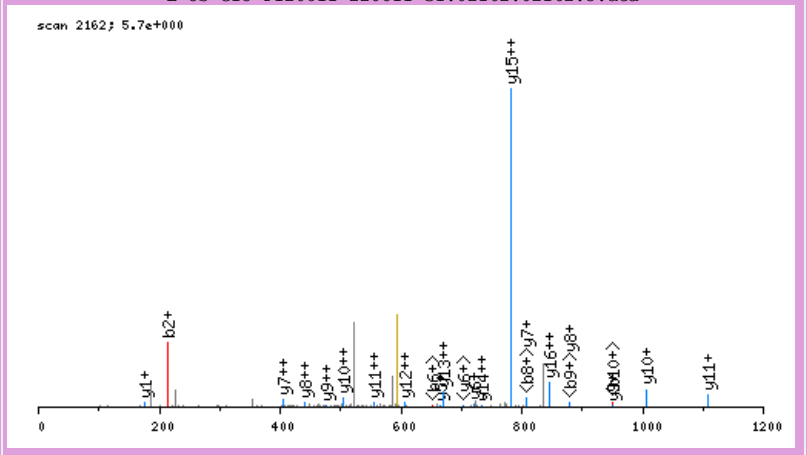
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

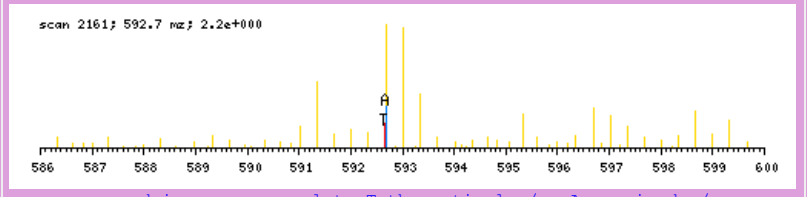
N-term:+29.04

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+ 1775.9404, m/z 592.6517
L OS G15 P120811 220811-s1.02162.02162.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



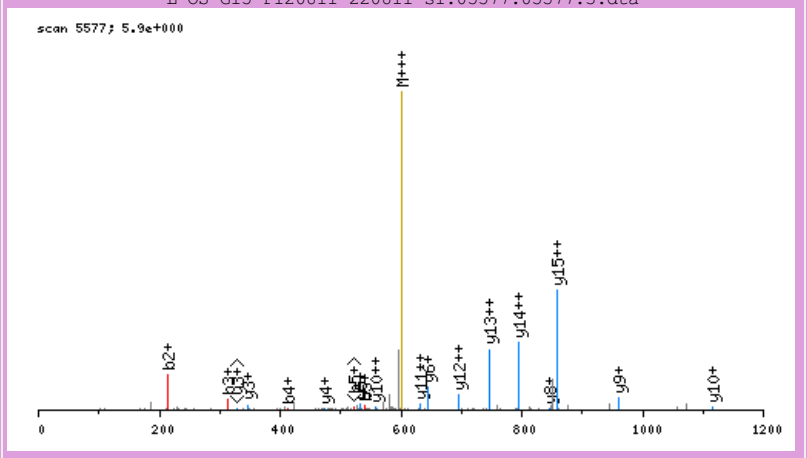
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
214.1191	2	Q	16	1690.8877	**845.9478**
311.1719	3	P	15	1562.8291	**781.9185**
439.2305	4	Q	14	1465.7764	**733.3921**
567.2891	5	Q	13	1337.7178	**669.3628**
668.3367	6	T	12	1209.6592	**605.3335**
769.3844	7	T	11	**1108.6115**	**554.8097**
826.4059	8	G	10	**1007.5638**	**504.2858**
897.4430	9	A	9	**950.5424**	**475.7751**
968.4801	10	A	8	**879.5053**	**440.2565**
1055.5121	11	S	7	**808.4681**	**404.7380**
1112.5336	12	G	6	**721.4361**	361.2220
1169.5551	13	G	5	**664.4147**	332.7112
1332.6184	14	Y	4	607.3932	304.2005
1445.7025	15	I	3	444.3299	222.6688
1601.8288	16	K	2	331.2458	166.1268
	17	R	1	**175.1195**	88.0637

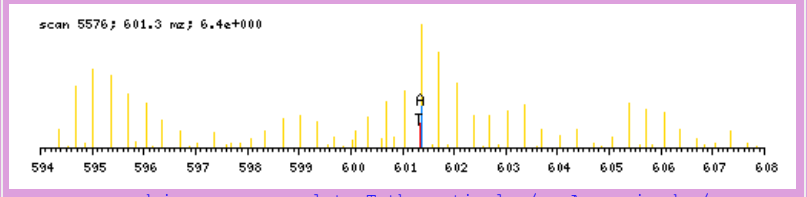
N-term:+29.04 K(16):+156.13

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

GQVVQFKLSDIGEGIR, MH+ 1802.0176, m/z 601.3441
L OS G15 P120811 220811-s1.05577.05577.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



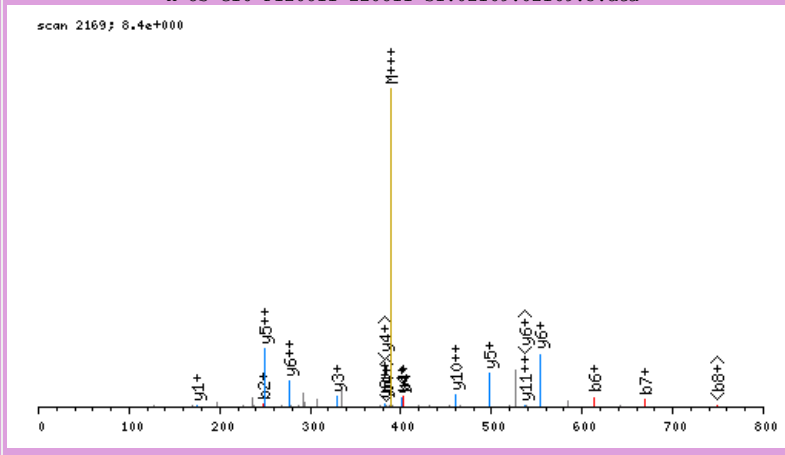
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
214.1191	2	Q	15	1716.9649	**858.9864**
313.1876	3	V	14	1588.9063	**794.9571**
412.2560	4	V	13	1489.8379	**745.4229**
540.3145	5	Q	12	1390.7695	**695.8887**
687.3830	6	F	11	1262.7109	**631.8594**
843.5093	7	K	10	**1115.6425**	**558.3252**
956.5933	8	L	9	**959.5162**	480.2620
1043.6254	9	S	8	**846.4321**	423.7200
1158.6523	10	D	7	759.4001	380.2040
1271.7364	11	I	6	**644.3731**	322.6905
1328.7578	12	G	5	**531.2891**	266.1485
1457.8004	13	E	4	**474.2676**	237.6377
1514.8219	14	G	3	**345.2250**	173.1164
1627.9059	15	I	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

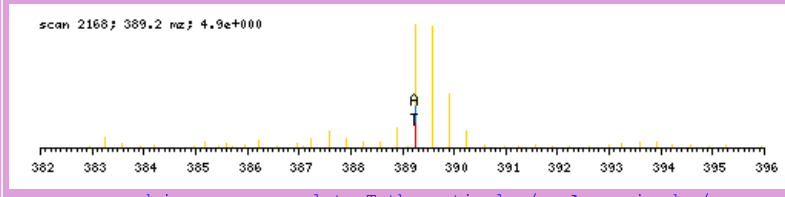
N-term:+29.04 K(7):+156.13

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

GRPGPIGPAGPR, MH+ 1165.7018, m/z 389.2388
H OS G16 P120811 220811-s1.02169.02169.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



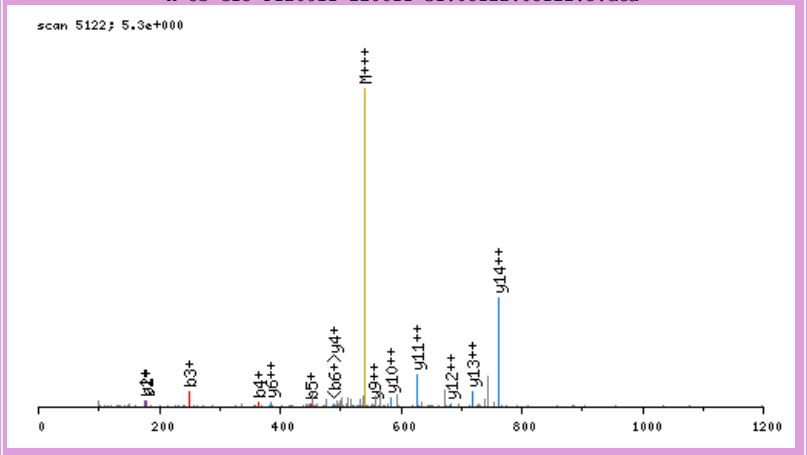
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	12		
248.1935	2	R	11	1074.6172	**537.8125**
345.2462	3	P	10	918.5161	**459.7620**
402.2677	4	G	9	821.4634	411.2356
499.3205	5	P	8	764.4419	**382.7249**
612.4045	6	I	7	667.3891	334.1985
669.4260	7	G	6	**554.3051**	**277.6564**
766.4788	8	P	5	**497.2836**	**249.1457**
837.5159	9	A	4	**400.2308**	200.6193
894.5373	10	G	3	**329.1937**	165.1008
991.5901	11	P	2	272.1723	136.5900
	12	R	1	**175.1195**	88.0637

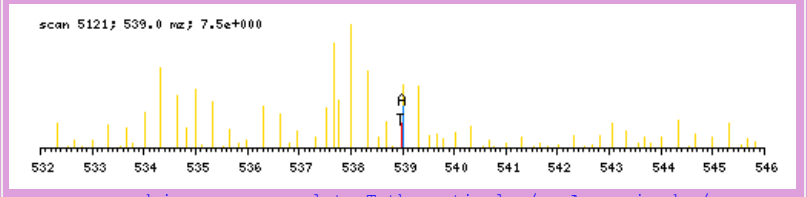
N-term:+35.07

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

GSALSGILDKDLSDR, MH+ 1614.9339, m/z 538.9828
H OS G15 P120811 220811-s1.05122.05122.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



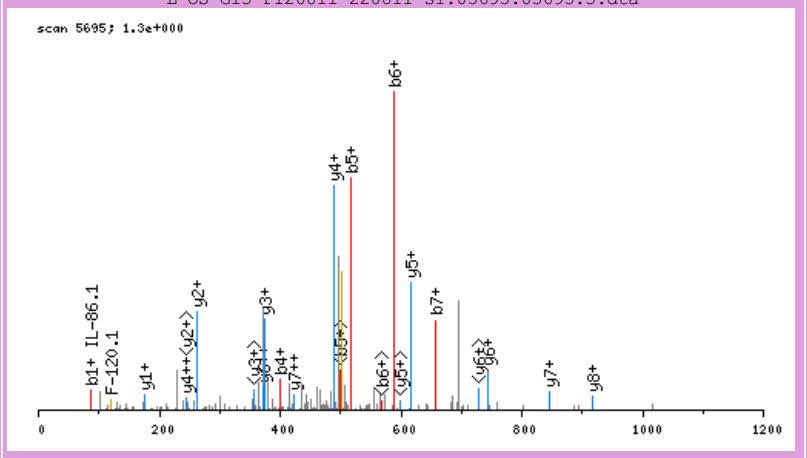
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

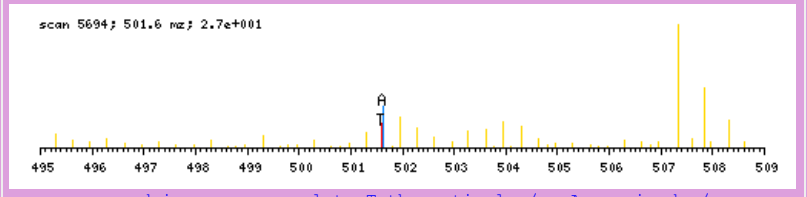
N-term:+35.07 K(10):+162.16

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

GSDLDAATQQLLSR, MH+ 1502.7814, m/z 501.5987
L OS G13 P120811 220811-s1.05695.05695.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



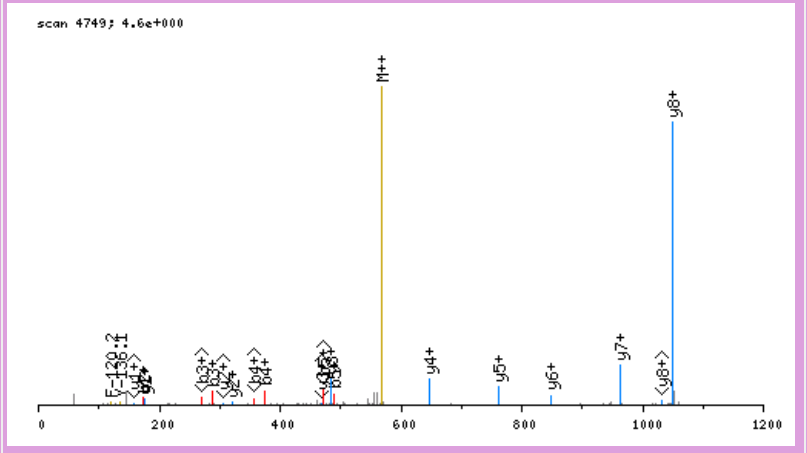
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
173.0926	2	S	13	1417.7287	709.3683
288.1195	3	D	12	1330.6967	665.8522
401.2036	4	L	11	1215.6697	608.3388
516.2305	5	D	10	1102.5857	551.7967
587.2677	6	A	9	987.5587	494.2833
658.3048	7	A	8	916.5216	458.7647
759.3524	8	T	7	845.4845	423.2462
887.4110	9	Q	6	744.4368	372.7223
1015.4696	10	Q	5	616.3782	308.6930
1128.5537	11	L	4	488.3197	244.6637
1241.6377	12	L	3	375.2356	188.1217
1328.6698	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

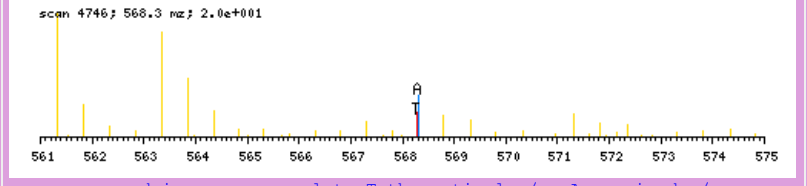
N-term:+29.04

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

GSDSLYYFR, MH+ 1135.5424, m/z 568.2748
L OS G14 P120811 220811-s1.04749.04749.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



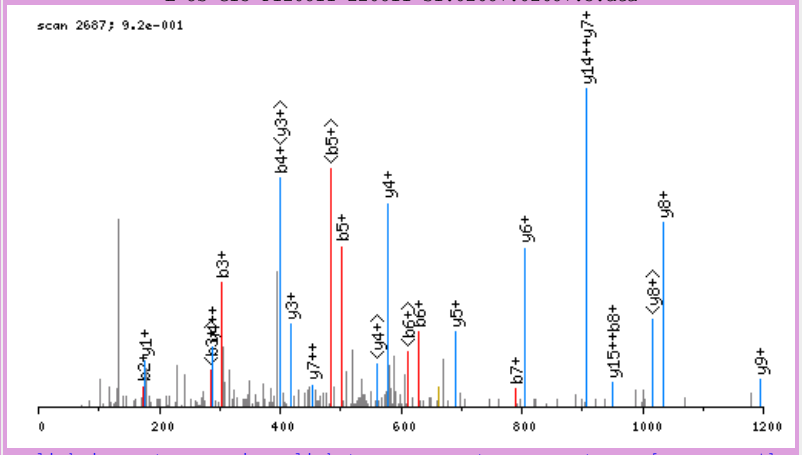
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	9		
173.0926	2	S	8	1050.4896	525.7487
288.1195	3	D	7	963.4576	482.2327
375.1516	4	S	6	848.4307	424.7192
488.2356	5	L	5	761.3986	381.2032
651.2990	6	Y	4	648.3146	324.6612
814.3623	7	Y	3	485.2512	243.1295
961.4307	8	F	2	322.1879	161.5979
	9	R	1	175.1195	88.0637

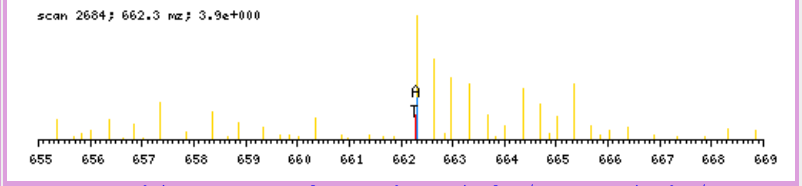
N-term:+29.04

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

GSEVTQCCQTDLCNER, MH+ 1984.8161, m/z 662.2769
L OS G13 P120811 220811-s1.02687.02687.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



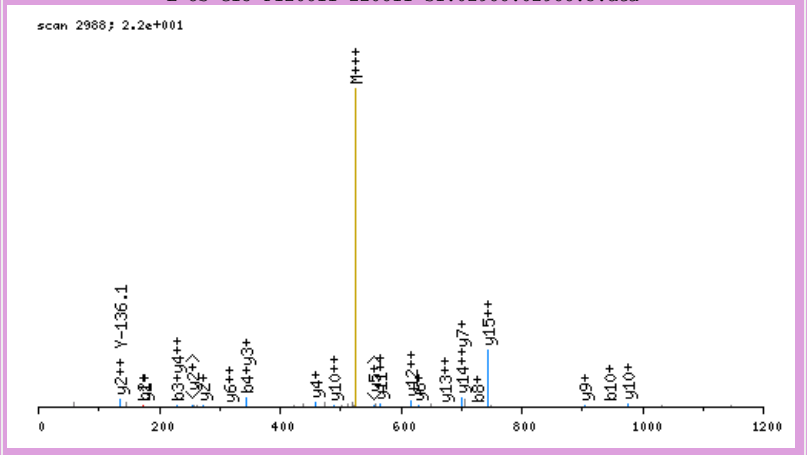
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
173.0926	2	S	15	1899.7634	**950.3856**
302.1352	3	E	14	1812.7313	**906.8696**
401.2036	4	V	13	1683.6888	842.3483
502.2513	5	T	12	1584.6203	792.8141
630.3099	6	Q	11	1483.5727	742.2902
790.3405	7	C	10	1355.5141	678.2610
950.3711	8	C	9	**1195.4835**	598.2457
1078.4296	9	Q	8	**1035.4529**	518.2304
1179.4773	10	T	7	**907.3943**	**454.2011**
1294.5043	11	D	6	**806.3466**	403.6772
1407.5883	12	L	5	**691.3197**	346.1638
1567.6189	13	C	4	**578.2356**	**289.6217**
1681.6618	14	N	3	**418.2050**	209.6064
1810.7044	15	E	2	304.1621	152.5850
	16	R	1	**175.1195**	88.0637

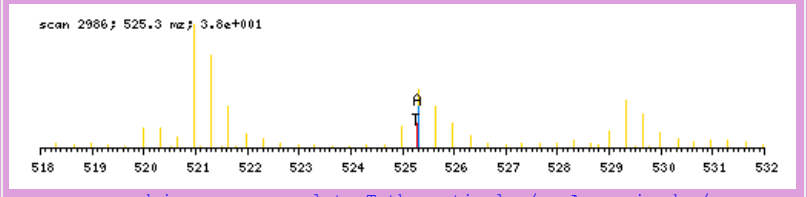
N-term:+29.04 C(7):+160.03
C(8):+160.03 C(13):+160.03

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

GSGLVKAGFAGDDAPR, MH+ 1573.8338, m/z 525.2828
L OS G15 P120811 220811-s1.02988.02988.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



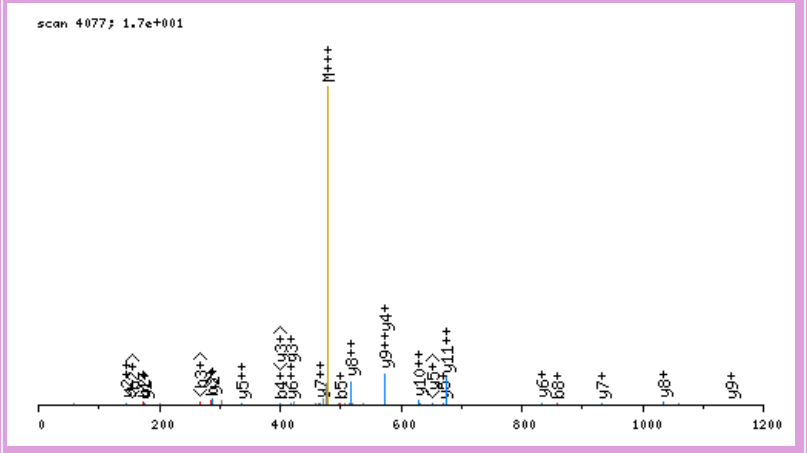
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

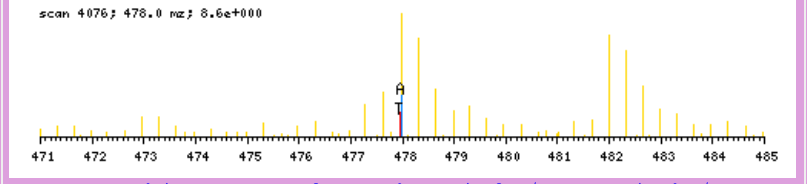
N-term:+29.04 K(6):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

GSIITVYPKEIR, MH+ 1431.8575, m/z 477.9574
L OS G15 P120811 220811-s1.04077.04077.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



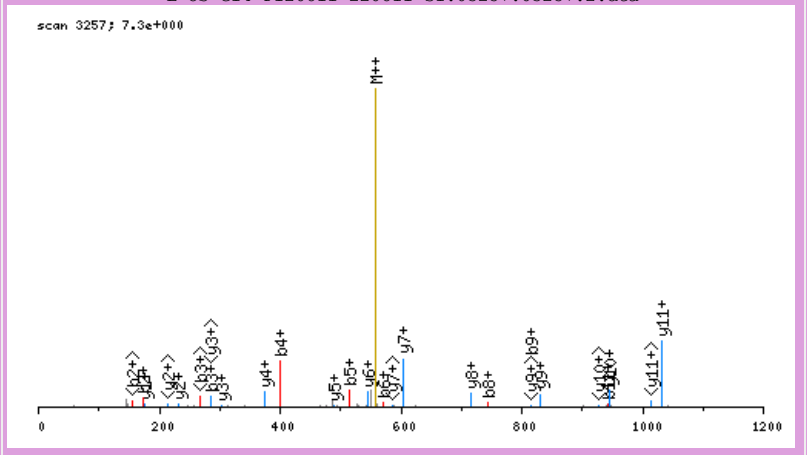
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

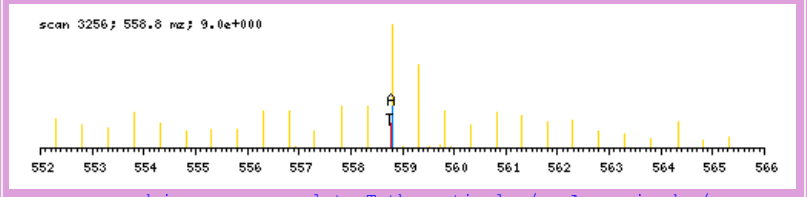
N-term:+29.04 K(9):+156.13

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+ 1116.5649, m/z 558.7861
L OS G14 P120811 220811-s1.03257.03257.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



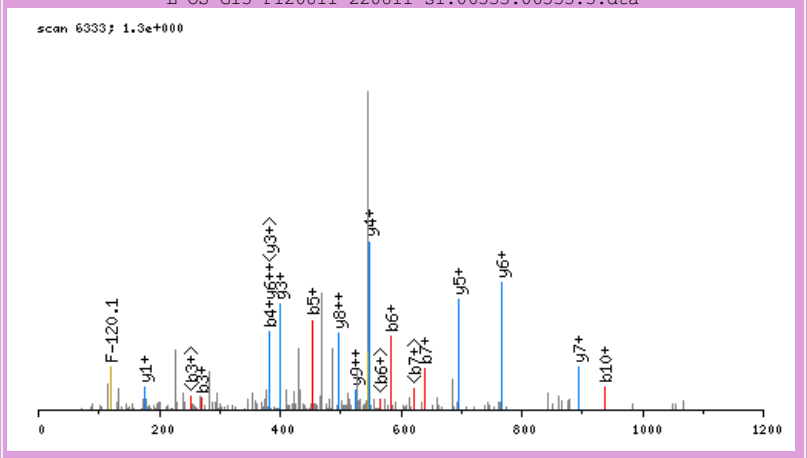
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
173.0926	2	S	11	1031.5122	516.2600
286.1767	3	L	10	944.4801	472.7440
401.2036	4	D	9	831.3961	416.2019
514.2877	5	L	8	716.3691	358.6885
571.3091	6	G	7	603.2851	302.1464
628.3306	7	G	6	546.2636	273.6357
743.3575	8	D	5	489.2421	245.1250
814.3946	9	A	4	374.2152	187.6115
885.4318	10	A	3	303.1781	152.0930
942.4532	11	G	2	232.1410	116.5744
	12	R	1	175.1195	88.0637

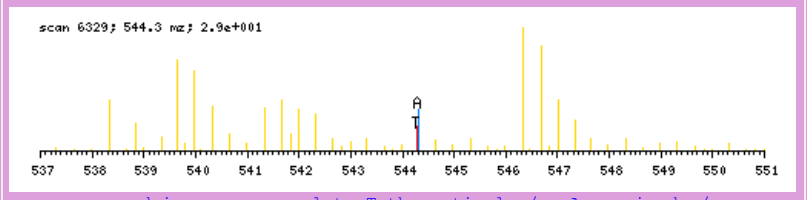
N-term:+29.04

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

GSPLAEGPQAFFPER, MH+ 1630.8229, m/z 544.2792
L OS G13 P120811 220811-s1.06333.06333.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



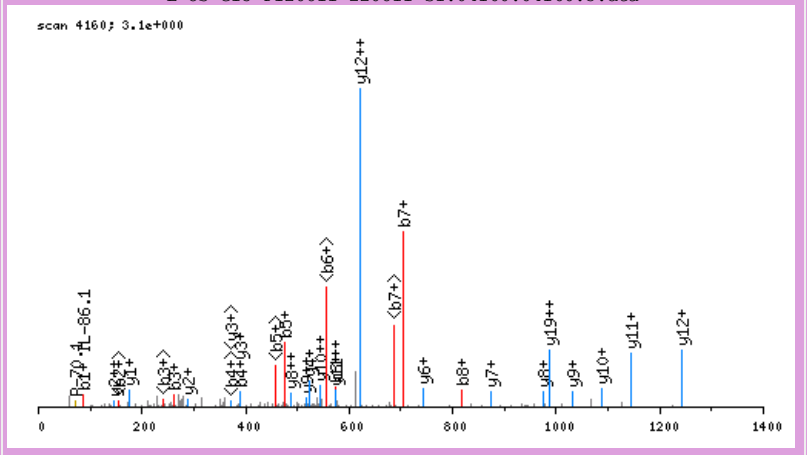
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	15		
173.0926	2	S	14	1545.7702	773.3890
270.1454	3	P	13	1458.7381	729.8730
383.2294	4	L	12	1361.6854	681.3466
454.2665	5	A	11	1248.6013	624.8046
583.3091	6	E	10	1177.5642	589.2860
640.3306	7	G	9	1048.5216	**524.7647**
737.3834	8	P	8	991.5001	**496.2540**
865.4419	9	Q	7	**894.4474**	447.7276
936.4790	10	A	6	**766.3888**	**383.6983**
1083.5475	11	F	5	**695.3517**	348.1798
1230.6159	12	F	4	**548.2833**	274.6455
1327.6686	13	P	3	**401.2149**	201.1113
1456.7112	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

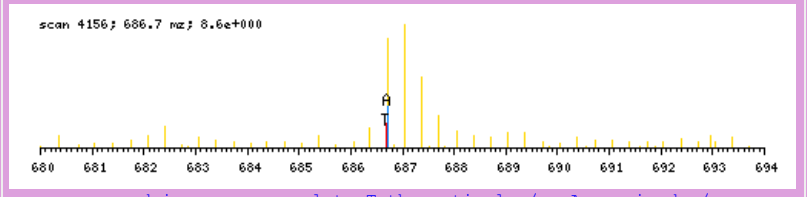
N-term:+29.04

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

GSSQSVEIPGGGTEGYHVLR, MH+ 2058.0256, m/z 686.6800
L OS G15 P120811 220811-s1.04160.04160.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



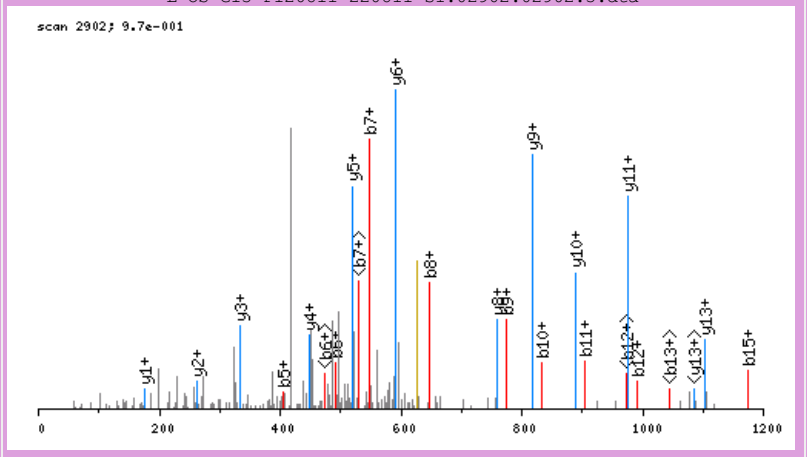
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
173.0926	2	S	19	1972.9728	986.9903
260.1246	3	S	18	1885.9408	943.4743
388.1832	4	Q	17	1798.9088	899.9583
475.2152	5	S	16	1670.8502	835.9290
574.2836	6	V	15	1583.8182	792.4130
703.3262	7	E	14	1484.7498	742.8788
816.4103	8	I	13	1355.7072	678.3575
913.4631	9	P	12	1242.6231	621.8155
970.4845	10	G	11	1145.5703	573.2891
1027.5060	11	G	10	1088.5489	544.7784
1084.5275	12	G	9	1031.5274	516.2676
1185.5751	13	T	8	974.5060	487.7569
1314.6177	14	E	7	873.4583	437.2331
1371.6392	15	G	6	744.4157	372.7118
1534.7025	16	Y	5	687.3942	344.2010
1671.7614	17	H	4	524.3309	262.6694
1770.8298	18	V	3	387.2720	194.1399
1883.9139	19	L	2	288.2036	144.6057
	20	R	1	175.1195	88.0637

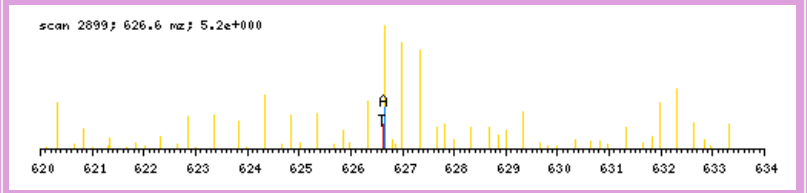
N-term:+29.04

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

GSSSGSGVQGASAGGLAADASR, MH+ 1877.8953, m/z 626.6366
L OS G13 P120811 220811-s1.02902.02902.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



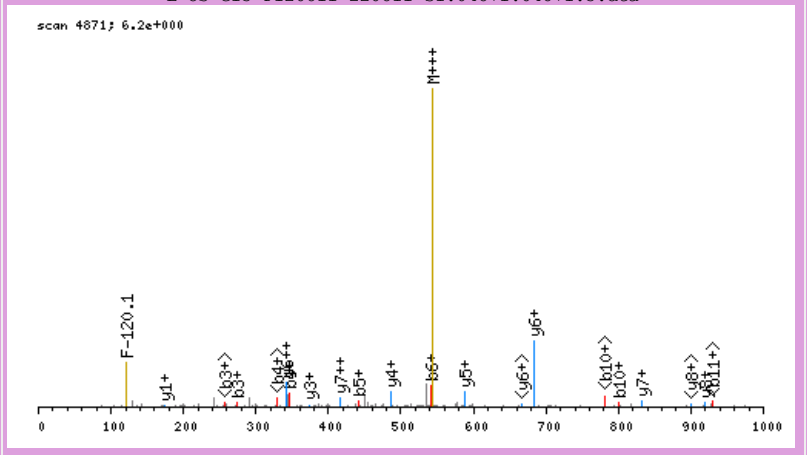
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	22		
173.0926	2	S	21	1792.8426	896.9252
260.1246	3	S	20	1705.8105	853.4092
347.1566	4	S	19	1618.7785	809.8932
404.1781	5	G	18	1531.7465	766.3771
491.2101	6	S	17	1474.7250	737.8664
548.2316	7	G	16	1387.6930	694.3504
647.3000	8	V	15	1330.6715	665.8397
775.3586	9	Q	14	1231.6031	616.3055
832.3801	10	G	13	**1103.5445**	552.2762
903.4172	11	A	12	1046.5231	523.7654
990.4492	12	S	11	**975.4859**	488.2469
1061.4863	13	A	10	**888.4539**	444.7309
1118.5078	14	G	9	**817.4168**	409.2123
1175.5292	15	G	8	**760.3953**	380.7016
1288.6133	16	L	7	703.3739	352.1909
1359.6504	17	A	6	**590.2898**	295.6488
1430.6875	18	A	5	**519.2527**	260.1303
1545.7145	19	D	4	**448.2156**	224.6117
1616.7516	20	A	3	**333.1886**	167.0982
1703.7836	21	S	2	**262.1515**	131.5797
	22	R	1	**175.1195**	88.0637

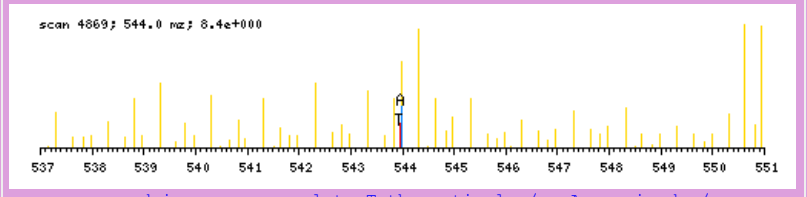
N-term:+29.04

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

GSTAPVGGGSFPTITPR, MH+ 1629.8600, m/z 543.9582
L OS G13 P120811 220811-s1.04871.04871.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



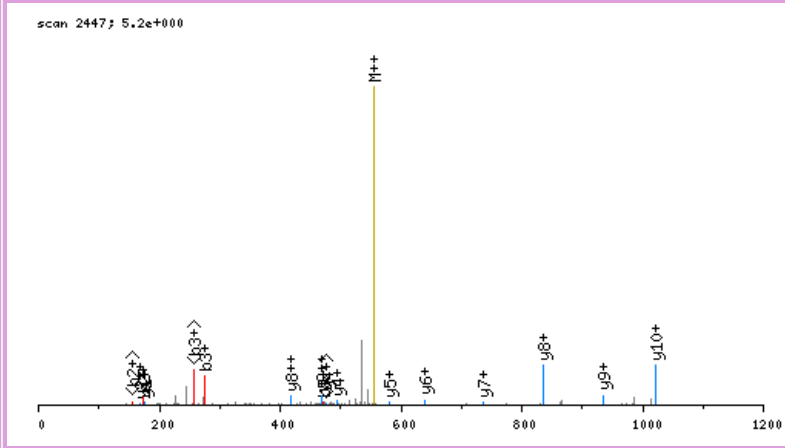
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
173.0926	2	S	16	1544.8073	772.9076
274.1403	3	T	15	1457.7753	729.3915
345.1774	4	A	14	1356.7276	678.8677
442.2301	5	P	13	1285.6905	643.3491
541.2986	6	V	12	1188.6377	594.8228
598.3200	7	G	11	1089.5693	545.2886
655.3415	8	G	10	1032.5478	516.7778
712.3630	9	G	9	975.5264	488.2671
799.3950	10	S	8	**918.5049**	459.7564
946.4634	11	F	7	**831.4729**	**416.2403**
1043.5162	12	P	6	**684.4044**	**342.7061**
1144.5638	13	T	5	**587.3517**	294.1798
1257.6479	14	I	4	**486.3040**	243.6559
1358.6956	15	T	3	**373.2199**	187.1139
1455.7483	16	P	2	272.1723	136.5900
	17	R	1	**175.1195**	88.0637

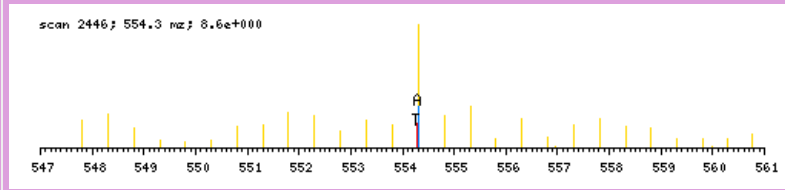
N-term:+29.04

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

GSTPVGSGVYR, MH+ 1107.5798, m/z 554.2935
L OS G14 P120811 220811-s1.02447.02447.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



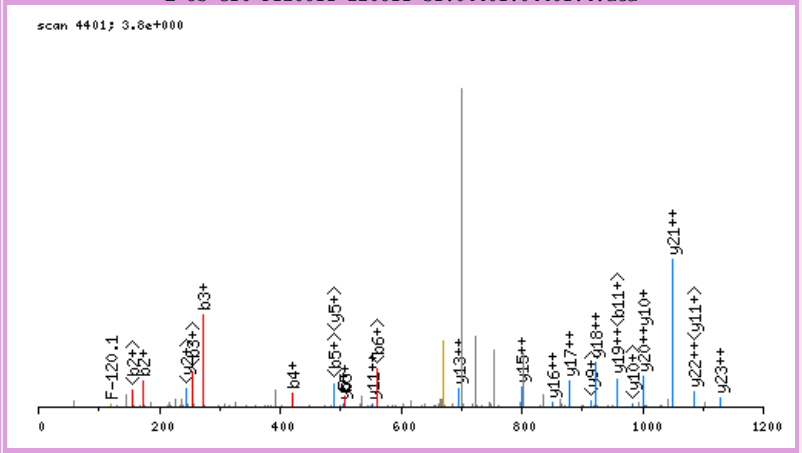
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

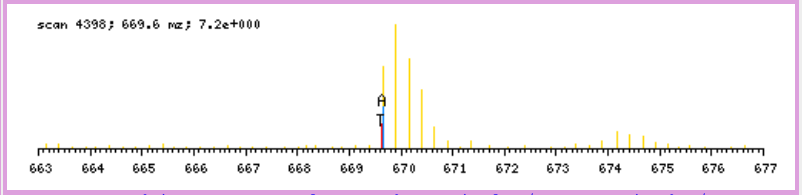
N-term:+29.04

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

GSVFSAPSASGTPNKETAGLKVGVSSR, MH+ 2675.4369, m/z 669.6147
L OS G16 P120811 220811-s1.04401.04401.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



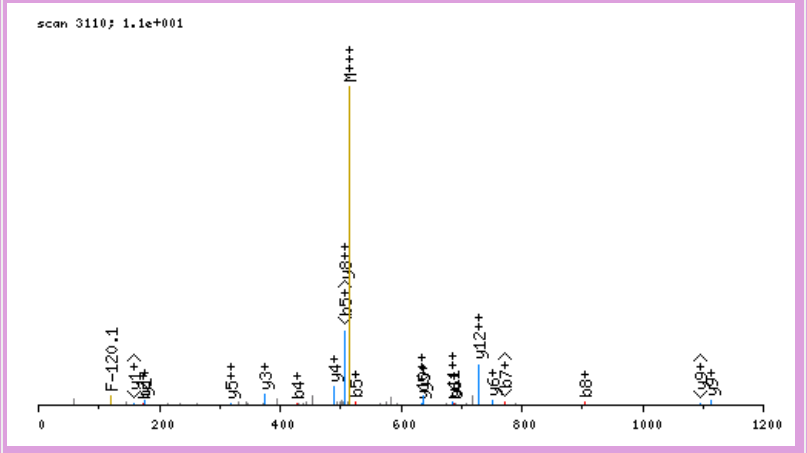
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	27		
173.0926	2	S	26	2590.3841	1295.6960
272.1610	3	V	25	2503.3521	1252.1800
419.2294	4	F	24	2404.2837	1202.6458
506.2614	5	S	23	2257.2153	**1129.1115**
577.2986	6	A	22	2170.1832	**1085.5955**
674.3513	7	P	21	2099.1461	**1050.0770**
761.3834	8	S	20	2002.0934	**1001.5506**
832.4205	9	A	19	1915.0613	**958.0346**
919.4525	10	S	18	1844.0242	**922.5160**
976.4740	11	G	17	1756.9922	**879.0000**
1077.5216	12	T	16	1699.9707	**850.4893**
1174.5744	13	P	15	1598.9231	**799.9654**
1288.6173	14	N	14	1501.8703	751.4391
1444.7436	15	K	13	1387.8274	**694.4176**
1573.7862	16	E	12	1231.7011	616.3544
1674.8339	17	T	11	1102.6585	**551.8331**
1745.8710	18	A	10	**1001.6108**	501.3093
1802.8925	19	G	9	930.5737	465.7908
1915.9765	20	L	8	873.5522	437.2800
2072.1028	21	K	7	760.4681	380.7380
2171.1713	22	V	6	604.3418	302.6748
2228.1927	23	G	5	**505.2734**	253.1406
2327.2611	24	V	4	448.2520	224.6299
2414.2932	25	S	3	349.1836	175.0957
2501.3252	26	S	2	262.1515	131.5797
	27	R	1	175.1195	88.0637

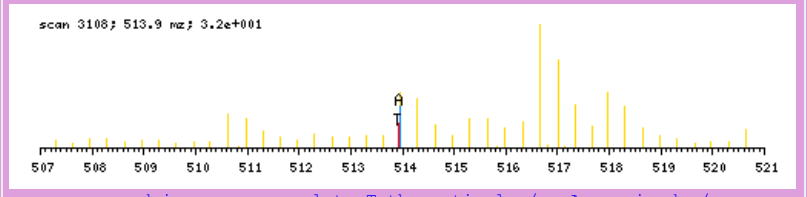
N-term:+29.04 K(15):+156.13
K(21):+156.13

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

GSVKPYTNFDAER, MH+ 1539.7807, m/z 513.9318
L OS G16 P120811 220811-s1.03110.03110.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



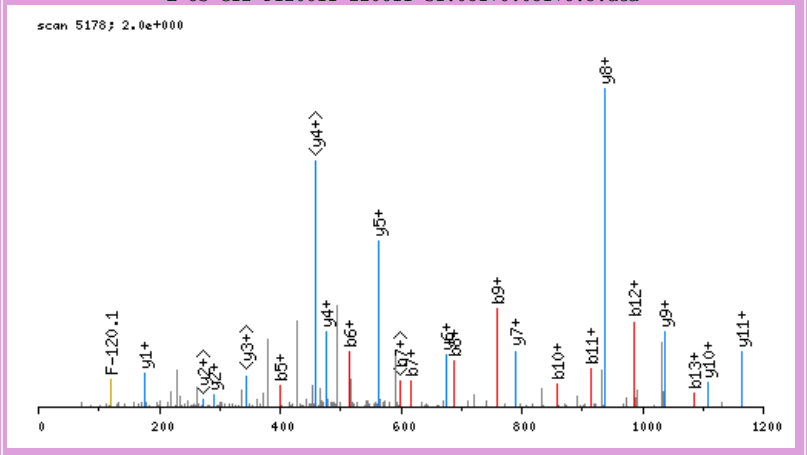
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	13		
173.0926	2	S	12	1454.7280	**727.8679**
272.1610	3	V	11	1367.6960	**684.3519**
428.2873	4	K	10	1268.6276	**634.8177**
525.3401	5	P	9	**1112.5013**	556.7545
688.4034	6	Y	8	1015.4485	**508.2282**
789.4511	7	T	7	852.3852	426.6965
903.4940	8	N	6	**751.3375**	376.1727
1050.5624	9	F	5	**637.2946**	**319.1512**
1165.5894	10	D	4	**490.2262**	245.6170
1236.6265	11	A	3	**375.1992**	188.1035
1365.6691	12	E	2	304.1621	152.5850
	13	R	1	**175.1195**	88.0637

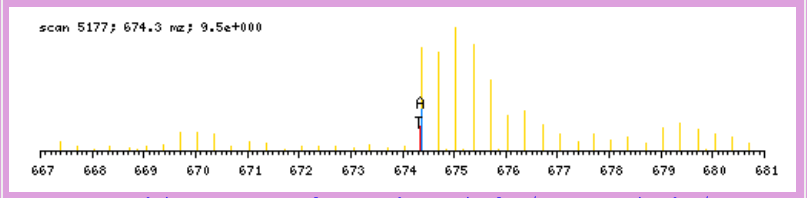
N-term:+29.04 K(4):+156.13

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

GTGGVDTAAVGAVFDISNADR, MH+ 2020.9939, m/z 674.3362
L OS G12 P120811 220811-s1.05178.05178.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



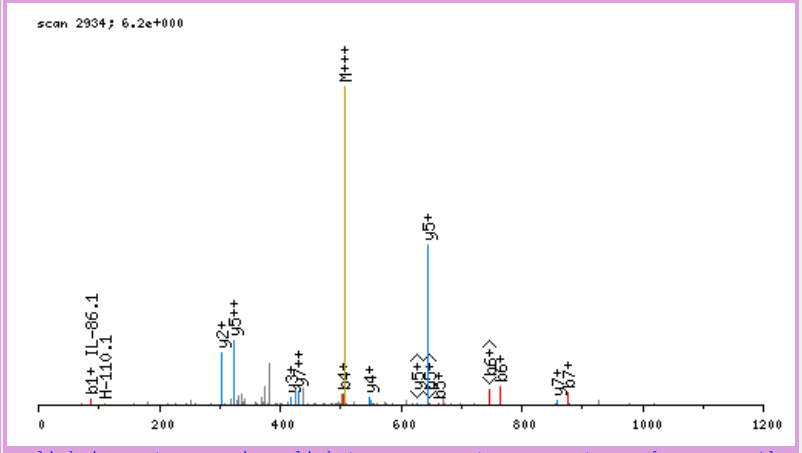
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

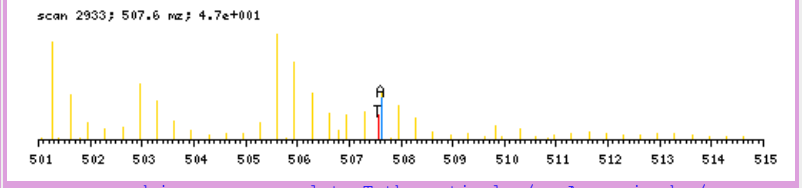
N-term:+29.04

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

GTKCCTLPEDQR, MH+ 1520.7200, m/z 507.5782
L OS G16 P120811 220811-s1.02934.02934.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



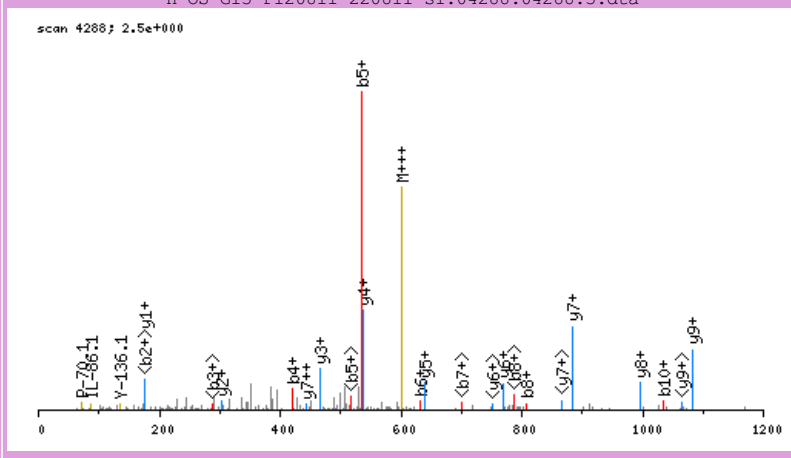
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**12**		
187.1082	**2**	**T**	**11**	1435.6673	718.3376
343.2345	**3**	**K**	**10**	1334.6196	667.8137
503.2651	**4**	**C**	**9**	1178.4933	589.7506
663.2957	**5**	**C**	**8**	1018.4627	509.7353
764.3434	**6**	**T**	**7**	**858.4321**	**429.7200**
877.4275	**7**	**L**	**6**	757.3844	379.1961
974.4802	**8**	**P**	**5**	**644.3004**	**322.6541**
1103.5228	**9**	**E**	**4**	**547.2476**	274.1277
1218.5498	**10**	**D**	**3**	**418.2050**	209.6064
1346.6084	**11**	**Q**	**2**	**303.1781**	152.0930
	12	**R**	**1**	175.1195	88.0637

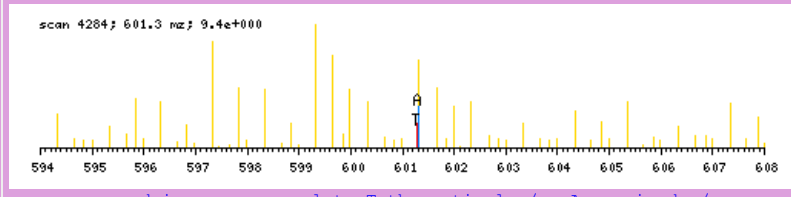
N-term:+29.04 K(3):+156.13
C(4):+160.03 C(5):+160.03

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

GTLDNPSSLDETAYER, MH+ 1801.8668, m/z 601.2938
H_OS_G13_P120811_220811-s1.04288.04288.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



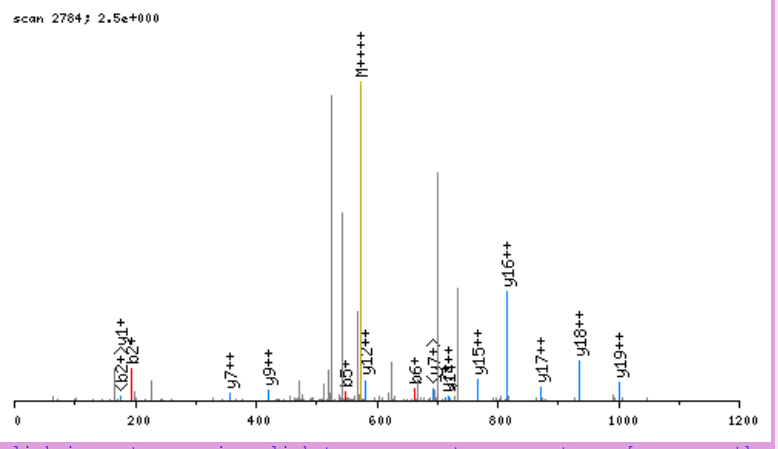
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
193.1400	2	T	15	1710.7822	855.8950
306.2241	3	L	14	1609.7346	805.3712
421.2510	4	D	13	1496.6505	748.8292
535.2940	5	N	12	1381.6236	691.3157
632.3467	6	P	11	1267.5806	634.2942
719.3788	7	S	10	1170.5279	585.7678
806.4108	8	S	9	**1083.4958**	542.2518
919.4949	9	L	8	**996.4638**	498.7358
1034.5218	10	D	7	**883.3798**	**442.1938**
1163.5644	11	E	6	**768.3528**	384.6803
1264.6121	12	T	5	**639.3102**	320.1590
1335.6492	13	A	4	**538.2625**	269.6352
1498.7125	14	Y	3	**467.2254**	234.1166
1627.7551	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

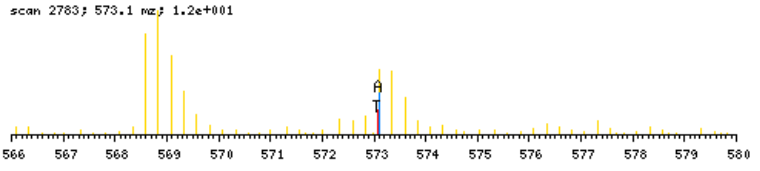
N-term:+35.07

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

GTPEENPPSWAKSAGSKSSGGR, MH+ 2289.2324, m/z 573.0636
H OS G17 P120811 220811-s1.02784.02784.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



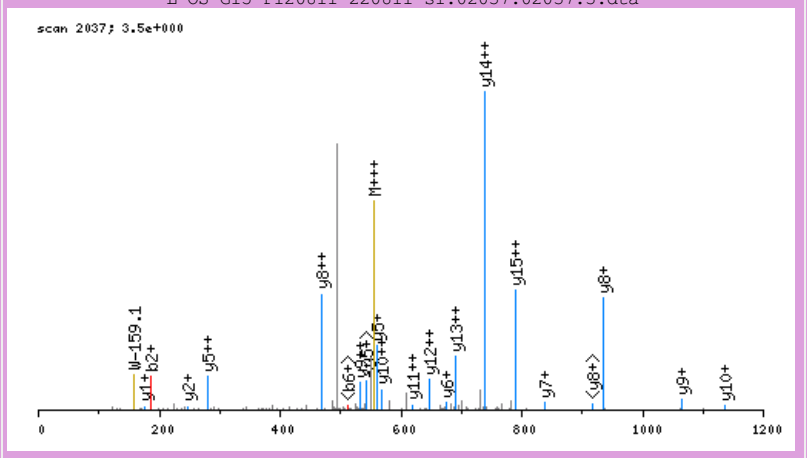
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

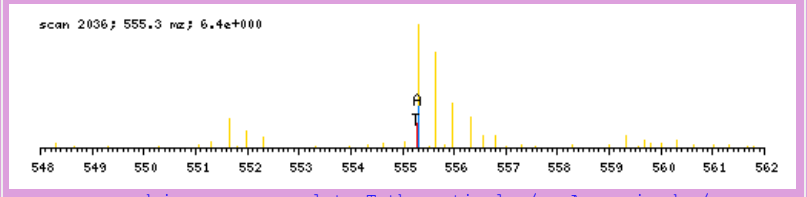
N-term:+35.07 K(12):+162.16
K(17):+162.16

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+ 1663.8292, m/z 555.2812
L OS G15 P120811 220811-s1.02037.02037.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



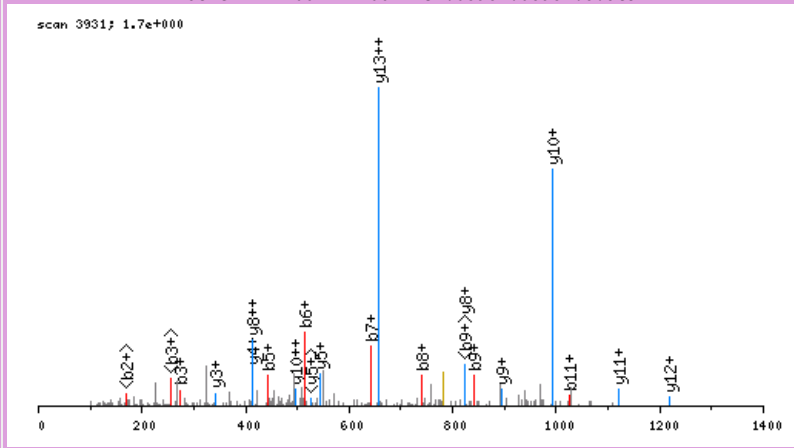
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
187.1082	2	T	15	1578.7764	**789.8921**
284.1610	3	P	14	1477.7287	**739.3683**
371.1930	4	S	13	1380.6760	**690.8419**
428.2145	5	G	12	1293.6439	**647.3259**
529.2622	6	T	11	1236.6225	**618.8152**
600.2993	7	A	10	**1135.5748**	**568.2913**
729.3419	8	E	9	**1064.5377**	**532.7728**
826.3946	9	P	8	**935.4951**	**468.2515**
989.4580	10	Y	7	**838.4423**	419.7251
1104.4849	11	D	6	**675.3790**	338.1934
1161.5064	12	G	5	**560.3521**	**280.6799**
1262.5541	13	T	4	503.3306	252.1692
1418.6804	14	K	3	402.2829	201.6454
1489.7175	15	A	2	**246.1566**	123.5822
	16	R	1	**175.1195**	88.0637

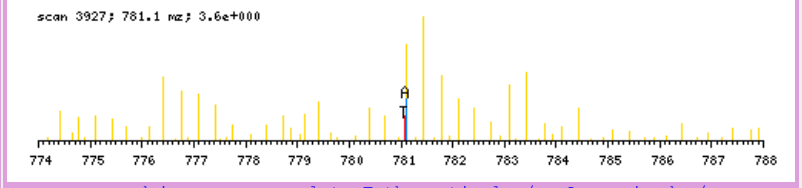
N-term:+29.04 K(14):+156.13

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

GTSPAAEVTPSPPEPAPALEAPAR, MH+ 2341.2039, m/z 781.0728
L OS G12 P120811 220811-s1.03931.03931.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



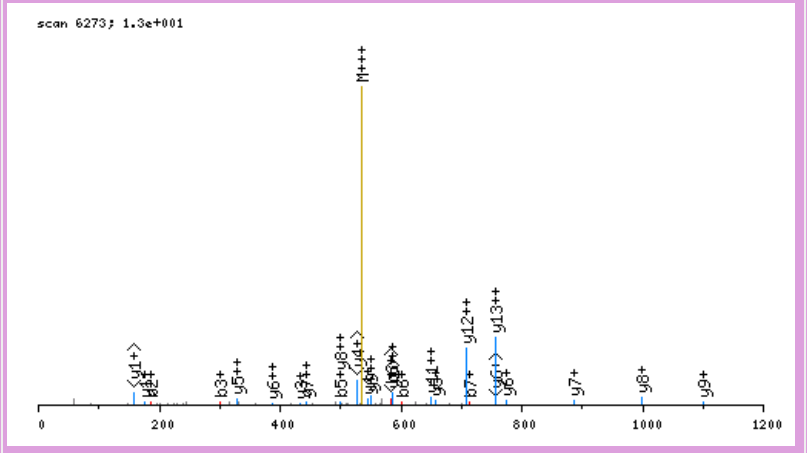
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	24		
187.1082	2	T	23	2256.1512	1128.5795
274.1403	3	S	22	2155.1035	1078.0557
371.1930	4	P	21	2068.0715	1034.5397
442.2301	5	A	20	1971.0187	986.0133
513.2673	6	A	19	1899.9816	950.4947
642.3099	7	E	18	1828.9445	914.9762
741.3783	8	V	17	1699.9019	850.4549
842.4259	9	T	16	1600.8335	800.9207
939.4787	10	P	15	1499.7858	750.3968
1026.5107	11	S	14	1402.7331	701.8704
1123.5635	12	P	13	1315.7010	**658.3544**
1220.6163	13	P	12	**1218.6483**	609.8280
1349.6589	14	E	11	**1121.5955**	561.3017
1446.7116	15	P	10	**992.5529**	**496.7804**
1517.7487	16	A	9	**895.5001**	448.2540
1614.8015	17	P	8	**824.4630**	**412.7354**
1685.8386	18	A	7	727.4103	364.2090
1798.9227	19	L	6	656.3731	328.6905
1927.9653	20	E	5	**543.2891**	272.1485
1999.0024	21	A	4	**414.2465**	207.6272
2096.0552	22	P	3	**343.2094**	172.1086
2167.0923	23	A	2	246.1566	123.5822
	24	R	1	175.1195	88.0637

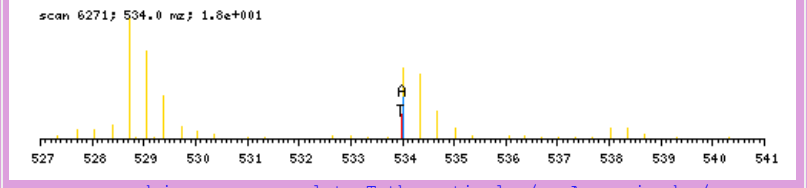
N-term:+29.04

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

GVDEATIIDILTKR, MH+ 1599.9322, m/z 533.9822
L OS G15 P120811 220811-s1.06273.06273.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



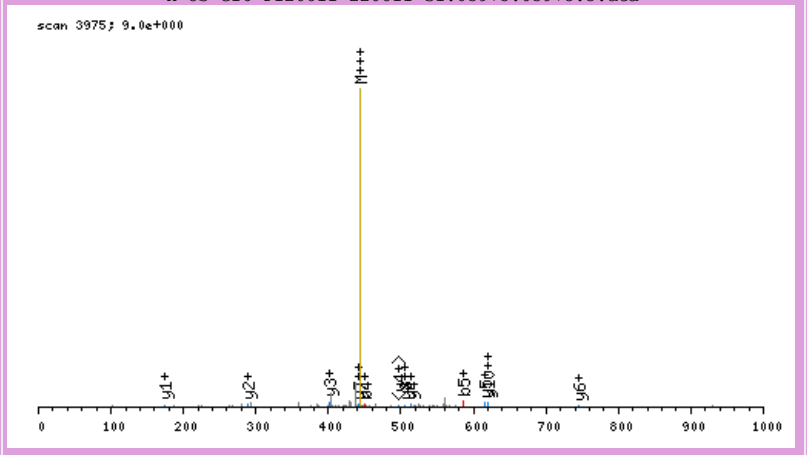
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	14		
185.1290	2	V	13	1514.8794	757.9436
300.1559	3	D	12	1415.8110	708.4094
429.1985	4	E	11	1300.7841	650.8959
500.2356	5	A	10	1171.7415	586.3746
601.2833	6	T	9	1100.7044	550.8561
714.3674	7	I	8	999.6567	500.3323
827.4514	8	I	7	886.5726	443.7902
942.4784	9	D	6	773.4886	387.2482
1055.5624	10	I	5	658.4616	329.7347
1168.6465	11	L	4	545.3775	273.1927
1269.6942	12	T	3	432.2935	216.6507
1425.8205	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

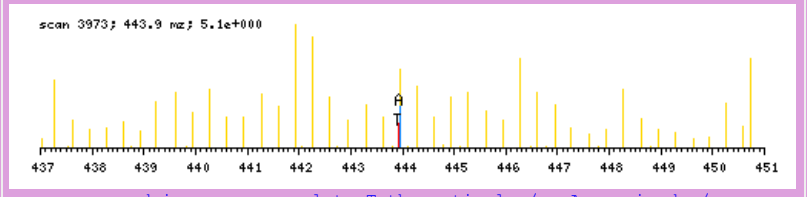
N-term:+29.04 K(13):+156.13

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

GVEEHETLLLR, MH+ 1329.7590, m/z 443.9245
H OS G16 P120811 220811-s1.03975.03975.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



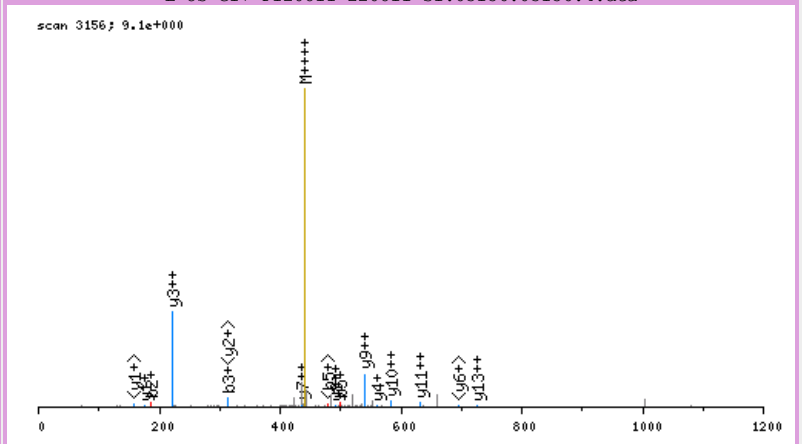
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

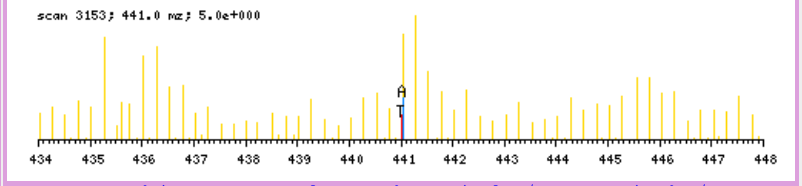
N-term:+35.07

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

GVEPSPSPIKPGDIKR, MH+ 1761.0275, m/z 441.0123
L OS G17 P120811 220811-s1.03156.03156.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



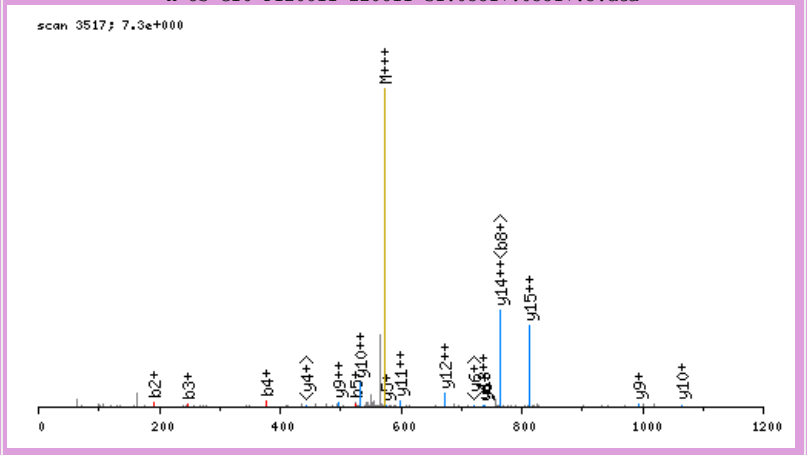
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
185.1290	2	V	15	1675.9748	838.4913
314.1716	3	E	14	1576.9063	788.9571
411.2243	4	P	13	1447.8637	**724.4358**
498.2564	5	S	12	1350.8110	675.9094
595.3091	6	P	11	1263.7790	**632.3934**
682.3412	7	S	10	1166.7262	**583.8670**
779.3939	8	P	9	1079.6942	**540.3510**
892.4780	9	I	8	982.6414	**491.8246**
1048.6043	10	K	7	869.5573	**435.2826**
1145.6570	11	P	6	713.4310	357.2194
1202.6785	12	G	5	616.3783	308.6930
1317.7055	13	D	4	**559.3568**	280.1823
1430.7895	14	I	3	444.3299	**222.6688**
1586.9158	15	K	2	331.2458	166.1268
	16	R	1	**175.1195**	88.0637

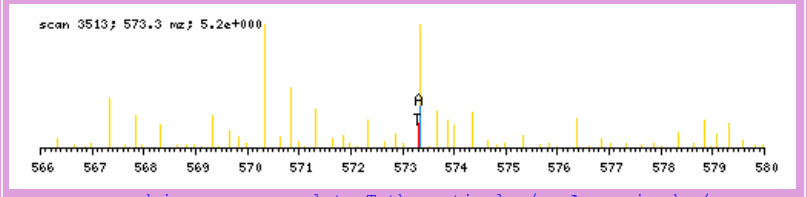
N-term:+29.04 K(10):+156.13
K(15):+156.13

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

GVGEFEAGISKNGQTR, MH+ 1717.9509, m/z 573.3218
H OS G16 P120811 220811-s1.03517.03517.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



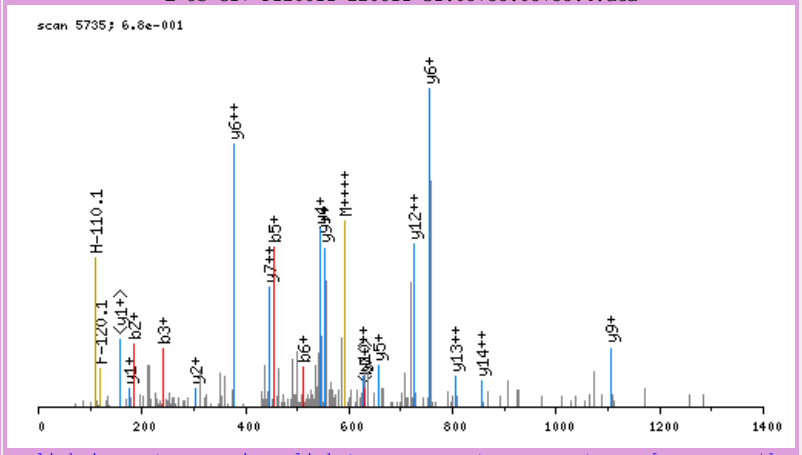
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	16		
191.1608	2	V	15	1626.8664	**813.9371**
248.1822	3	G	14	1527.7980	**764.4029**
377.2248	4	E	13	1470.7765	**735.8922**
524.2932	5	F	12	1341.7339	**671.3709**
653.3358	6	E	11	1194.6655	**597.8367**
724.3730	7	A	10	**1065.6229**	**533.3154**
781.3944	8	G	9	**994.5858**	**497.7968**
894.4785	9	I	8	937.5643	469.2861
981.5105	10	S	7	824.4803	412.7441
1143.6686	11	K	6	**737.4482**	369.2280
1257.7115	12	N	5	**575.2901**	288.1490
1314.7330	13	G	4	461.2472	231.1275
1442.7916	14	Q	3	404.2258	202.6168
1543.8393	15	T	2	276.1672	138.5875
	16	R	1	175.1195	88.0637

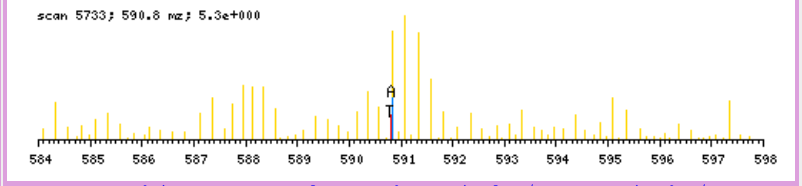
N-term:+35.07 K(11):+162.16

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

GVGPDGHTCSLFPDHPLLQER, MH+ 2360.1457, m/z 590.7919
L OS G17 P120811 220811-s1.05735.05735.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



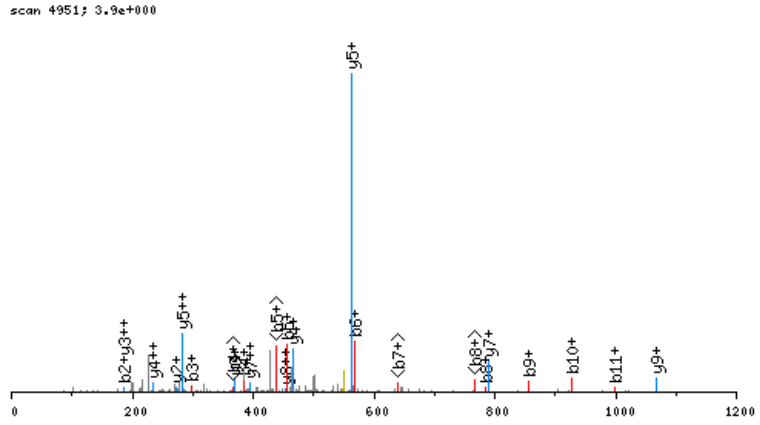
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
185.1290	2	V	20	2275.0929	1138.0504
242.1504	3	G	19	2176.0245	1088.5162
339.2032	4	P	18	2119.0030	1060.0054
454.2301	5	D	17	2021.9503	1011.4791
511.2516	6	G	16	1906.9233	953.9656
648.3105	7	H	15	1849.9019	925.4549
749.3582	8	T	14	1712.8430	**856.9254**
909.3888	9	C	13	1611.7953	**806.4016**
996.4208	10	S	12	1451.7647	**726.3863**
1109.5049	11	L	11	1364.7327	682.8702
1256.5733	12	F	10	1251.6486	**626.3282**
1353.6261	13	P	9	**1104.5802**	**552.7940**
1468.6530	14	D	8	1007.5274	504.2676
1605.7119	15	H	7	892.5005	**446.7542**
1702.7647	16	P	6	**755.4416**	**378.2247**
1815.8488	17	L	5	**658.3888**	329.6983
1928.9328	18	L	4	**545.3047**	273.1563
2056.9914	19	Q	3	432.2207	216.6142
2186.0340	20	E	2	**304.1621**	152.5850
	21	R	1	**175.1195**	88.0637

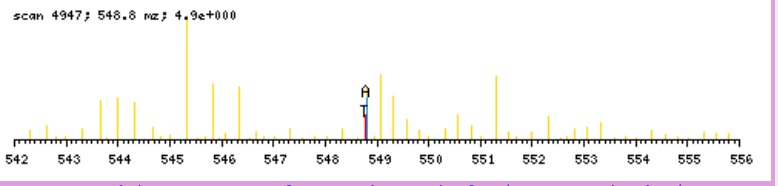
N-term:+29.04 C(9):+160.03

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

GVISAISEAAAQYNPEPPPPR, MH+ 2192.1351, m/z 548.7892
L OS G12 P120811 220811-s1.04951.04951.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



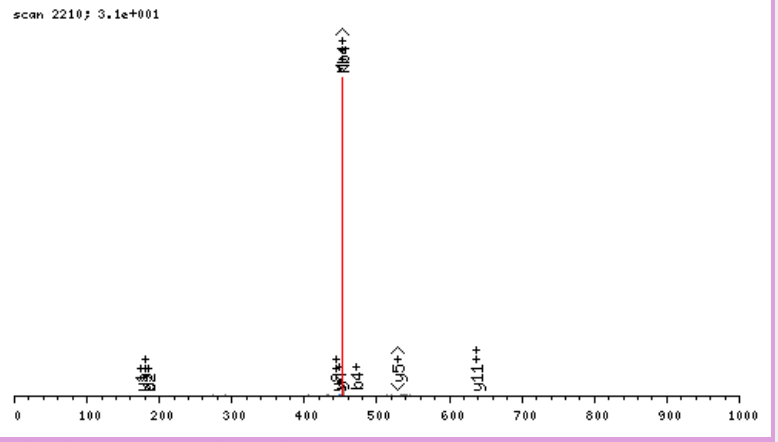
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	21		
185.1290	2	V	20	2107.0824	1054.0451
298.2130	3	I	19	2008.0140	1004.5109
385.2451	4	S	18	1894.9299	947.9689
456.2822	5	A	17	1807.8979	904.4529
569.3662	6	I	16	1736.8608	868.9343
656.3983	7	S	15	1623.7767	812.3923
785.4409	8	E	14	1536.7447	768.8763
856.4780	9	A	13	1407.7021	704.3550
927.5151	10	A	12	1336.6650	668.8364
998.5522	11	A	11	1265.6279	633.3178
1126.6108	12	Q	10	1194.5907	597.7993
1289.6741	13	Y	9	**1066.5322**	533.7700
1403.7170	14	N	8	903.4688	**452.2383**
1500.7698	15	P	7	**789.4259**	**395.2169**
1629.8124	16	E	6	692.3731	346.6905
1726.8652	17	P	5	**563.3306**	**282.1692**
1823.9179	18	P	4	**466.2778**	**233.6428**
1920.9707	19	P	3	**369.2250**	**185.1164**
2018.0235	20	P	2	**272.1723**	136.5900
	21	R	1	175.1195	88.0637

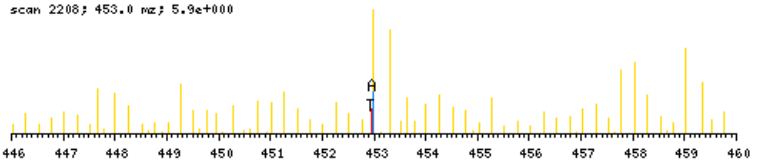
N-term:+29.04

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

GVKEKALVSSVR, MH+ 1356.8579, m/z 452.9575
L OS G17 P120811 220811-s1.02210.02210.3.dta



click image to zoom in; 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		
185.1290	2	V	11	1271.8052	**636.4065**
341.2553	3	K	10	1172.7368	586.8723
470.2979	4	E	9	1016.6105	508.8091
626.4242	5	K	8	887.5679	**444.2878**
697.4613	6	A	7	731.4416	366.2247
810.5453	7	L	6	660.4044	330.7061
909.6138	8	V	5	547.3204	274.1641
996.6458	9	S	4	**448.2520**	224.6299
1083.6778	10	S	3	361.2199	**181.1139**
1182.7462	11	V	2	274.1879	137.5979
	12	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+]

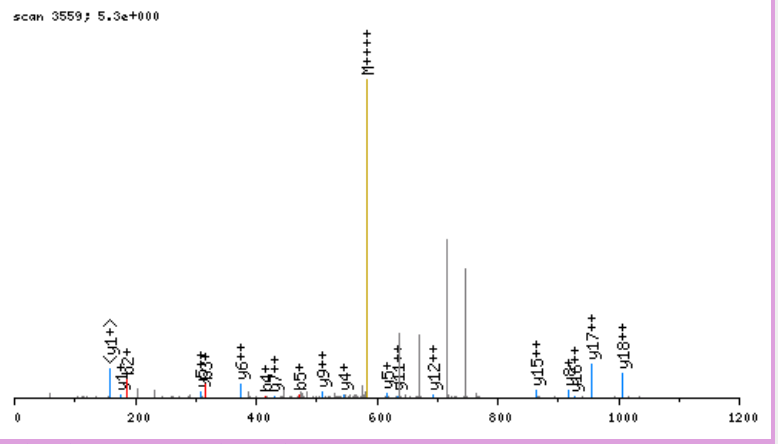
z [+] [2+] [3+]

hide H_2O/NH_3

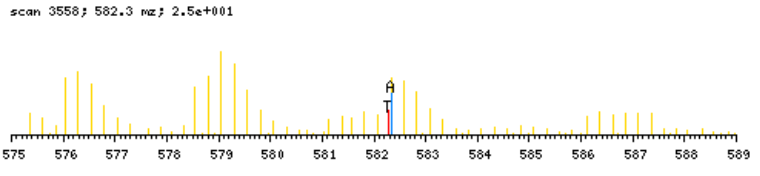
zoom 112-122

GO

GVMVGMGQKDSYVGDEAQSKR, MH+ 2326.1536, m/z 582.2939
L OS G17 P120811 220811-s1.03559.03559.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



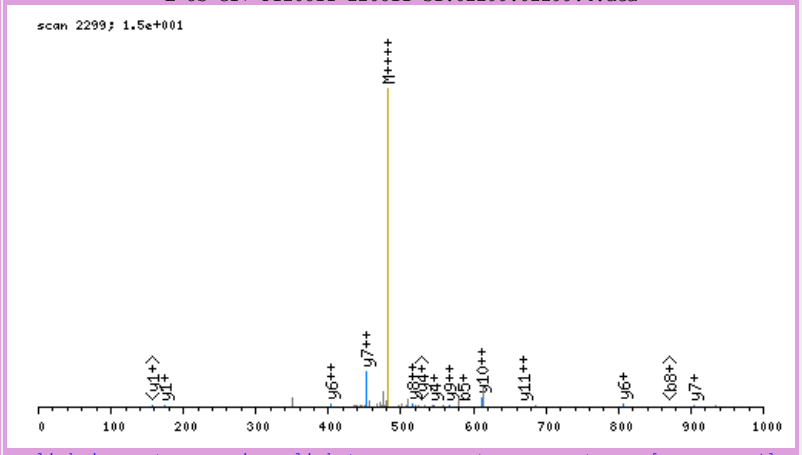
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

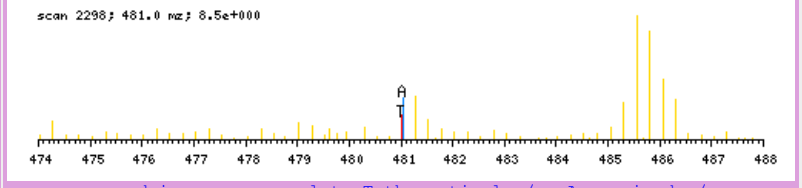
N-term:+29.04 K(9):+156.13
K(20):+156.13

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

GVNKMDSTEPPYSQKR, MH+ 1920.9854, m/z 481.0018
L OS G17 P120811 220811-s1.02299.02299.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



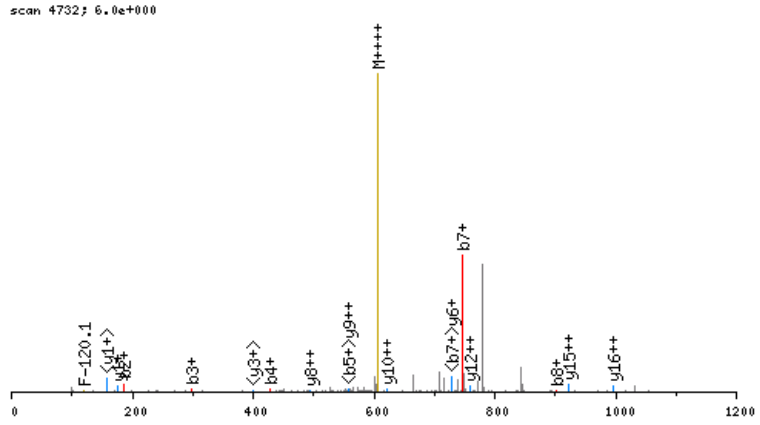
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	16		
185.1290	2	V	15	1835.9326	918.4702
299.1719	3	N	14	1736.8642	868.9360
455.2982	4	K	13	1622.8213	811.9146
586.3387	5	M	12	1466.6950	733.8514
701.3656	6	D	11	1335.6545	**668.3312**
788.3977	7	S	10	1220.6276	**610.8177**
889.4453	8	T	9	1133.5955	**567.3017**
1018.4879	9	E	8	1032.5479	**516.7778**
1115.5407	10	P	7	**903.5053**	**452.2565**
1212.5935	11	P	6	**806.4525**	**403.7302**
1375.6568	12	Y	5	709.3997	355.2038
1462.6888	13	S	4	**546.3364**	273.6721
1590.7474	14	Q	3	459.3044	230.1561
1746.8737	15	K	2	331.2458	166.1268
	16	R	1	**175.1195**	88.0637

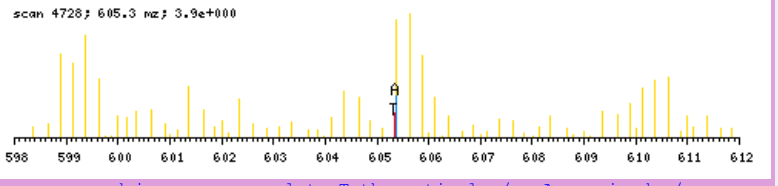
N-term:+29.04 K(4):+156.13
K(15):+156.13

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

GVNQFGNKYIQQTKPLTLER, MH+ 2418.3510, m/z 605.3432
L OS G16 P120811 220811-s1.04732.04732.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



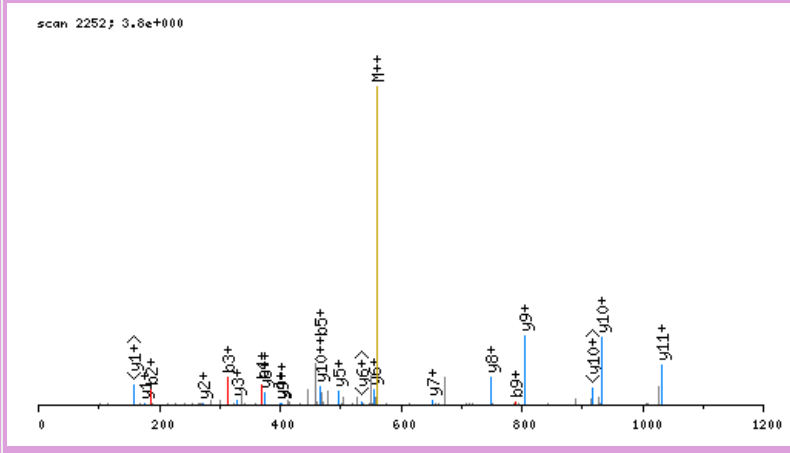
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	20		
185.1290	2	V	19	2333.2982	1167.1530
299.1719	3	N	18	2234.2298	1117.6188
427.2305	4	Q	17	2120.1869	1060.5973
574.2989	5	F	16	1992.1283	**996.5681**
631.3204	6	G	15	1845.0599	**923.0339**
745.3633	7	N	14	1788.0384	894.5231
901.4896	8	K	13	1673.9955	837.5017
1064.5529	9	Y	12	1517.8692	**759.4385**
1177.6370	10	I	11	1354.8059	677.9068
1305.6956	11	Q	10	1241.7218	**621.3648**
1433.7541	12	Q	9	1113.6632	**557.3355**
1534.8018	13	T	8	985.6046	**493.3062**
1690.9281	14	K	7	884.5570	442.7824
1787.9809	15	P	6	**728.4307**	364.7192
1901.0649	16	L	5	631.3779	316.1929
2002.1126	17	T	4	518.2938	259.6508
2115.1967	18	L	3	417.2462	209.1270
2244.2393	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

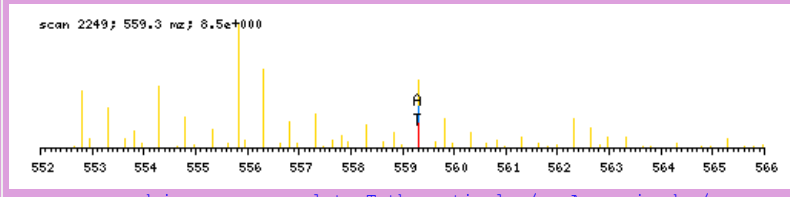
N-term:+29.04 K(8):+156.13
K(14):+156.13

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

GVQGPPGPAGPR, MH+ 1117.6118, m/z 559.3095
L OS G13 P120811 220811-s1.02252.02252.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



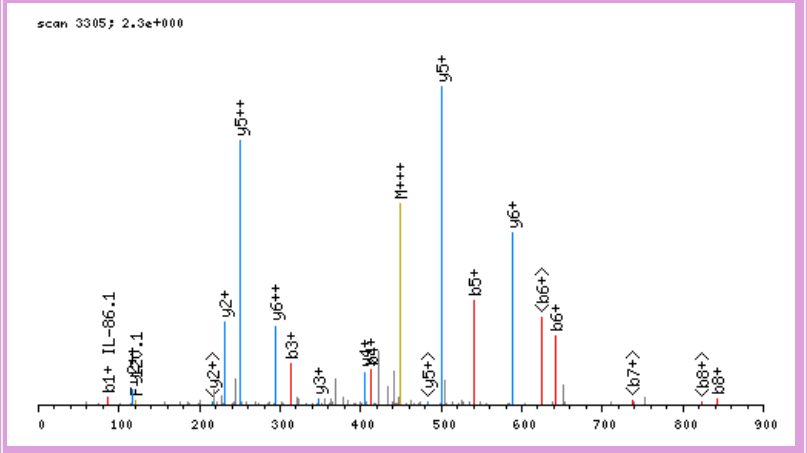
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
185.1290	2	V	11	1032.5591	516.7834
313.1876	3	Q	10	933.4906	467.2492
370.2090	4	G	9	805.4321	403.2199
467.2618	5	P	8	748.4106	374.7092
564.3145	6	P	7	651.3578	326.1828
621.3360	7	G	6	554.3051	277.6564
718.3888	8	P	5	497.2836	249.1457
789.4259	9	A	4	400.2308	200.6193
846.4474	10	G	3	329.1937	165.1008
943.5001	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

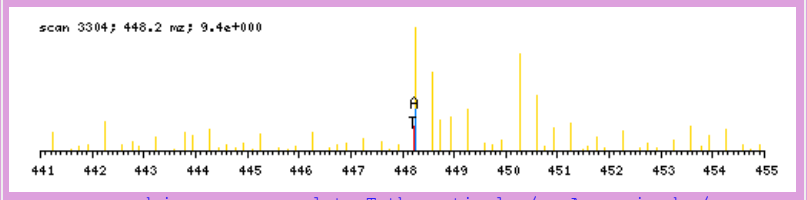
N-term:+29.04

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

GVQVETISPGDGR, MH+ 1342.6966, m/z 448.2371
L OS G13 P120811 220811-s1.03305.03305.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



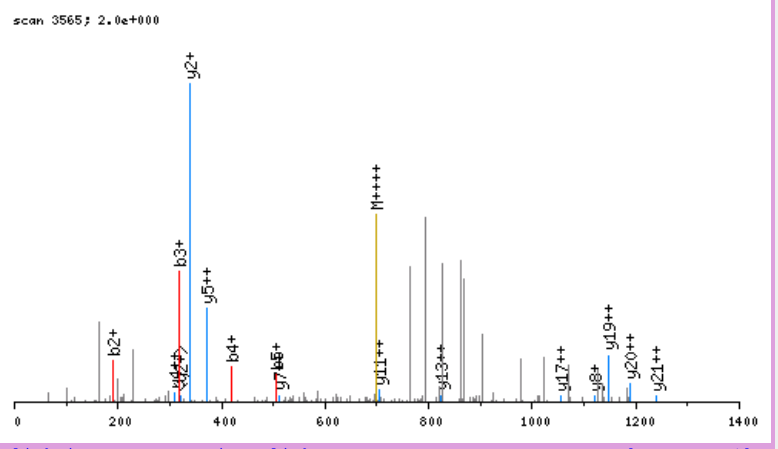
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

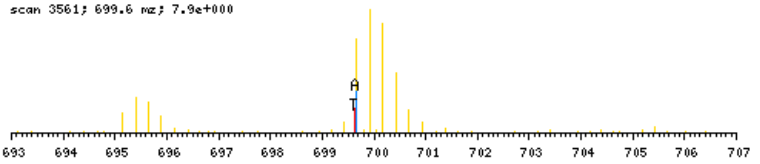
N-term:+29.04

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 G18 P120811 220811-s1.03565.03565.4.dta



click image to zoom in; click top corners to zoom out [precursor]



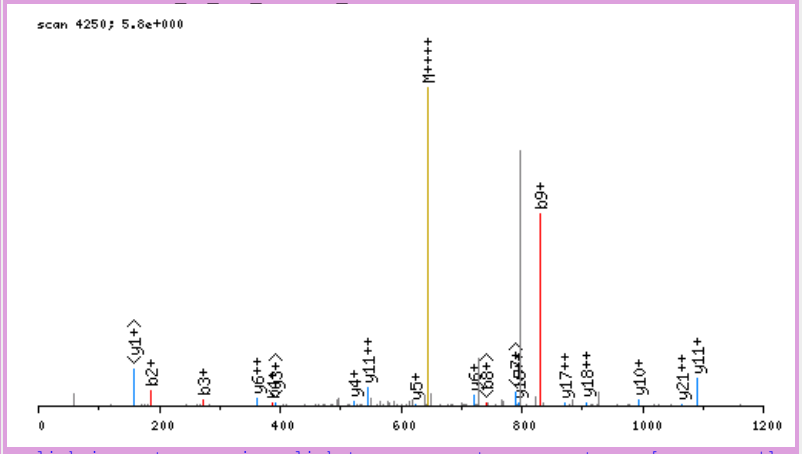
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

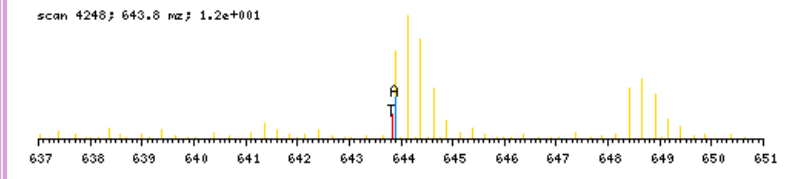
N-term:+35.07 K(10):+162.16
K(21):+162.16

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_G16_P120811_220811-s1.04250.04250.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



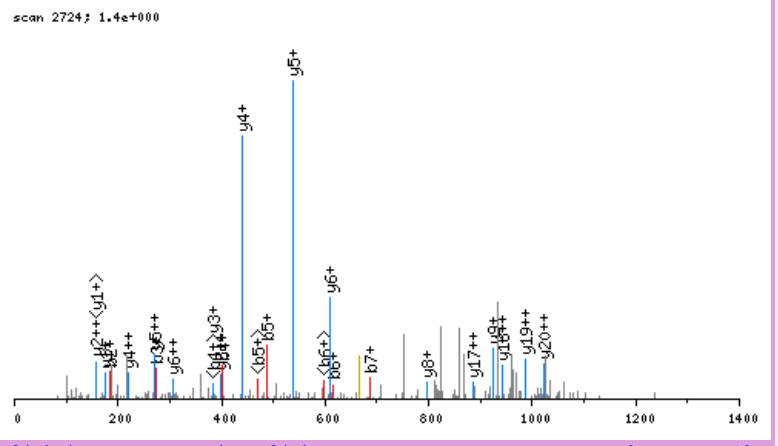
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

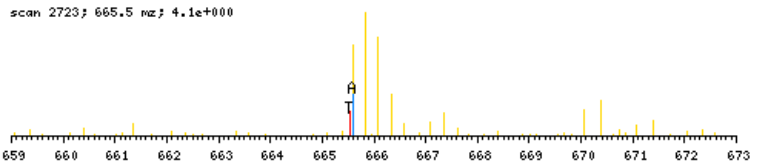
N-term:+29.04 K(10):+156.13
K(13):+156.13

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

GVSESQASDSEGHSDFSEGQAVGAHR, MH+ 2659.1620, m/z 665.5460
L OS G17 P120811 220811-s1.02724.02724.4.dta



click image to zoom in; click top corners to zoom out [precursor↕]



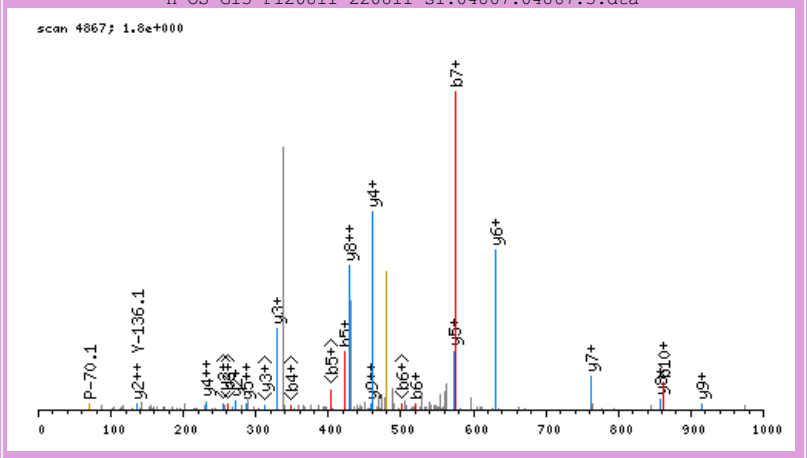
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	26		
185.1290	2	V	25	2574.1093	1287.5586
272.1610	3	S	24	2475.0409	1238.0244
401.2036	4	E	23	2388.0088	1194.5083
488.2356	5	S	22	2258.9663	1129.9870
616.2942	6	Q	21	2171.9342	1086.4710
687.3313	7	A	20	2043.8756	**1022.4417**
774.3633	8	S	19	1972.8385	**986.9232**
889.3903	9	D	18	1885.8065	**943.4072**
976.4223	10	S	17	1770.7796	**885.8937**
1105.4649	11	E	16	1683.7475	842.3777
1162.4864	12	G	15	1554.7049	777.8564
1299.5453	13	H	14	1497.6835	749.3457
1386.5773	14	S	13	1360.6246	680.8162
1501.6043	15	D	12	1273.5925	637.3002
1648.6727	16	F	11	1158.5656	579.7867
1735.7047	17	S	10	1011.4972	506.2525
1864.7473	18	E	9	**924.4652**	462.7365
1921.7688	19	G	8	**795.4226**	**398.2152**
2049.8273	20	Q	7	738.4011	369.7045
2120.8644	21	A	6	**610.3425**	**305.6752**
2219.9329	22	V	5	**539.3054**	**270.1566**
2276.9543	23	G	4	**440.2370**	**220.6224**
2347.9914	24	A	3	**383.2155**	192.1117
2485.0504	25	H	2	312.1784	**156.5931**
	26	R	1	**175.1195**	88.0637

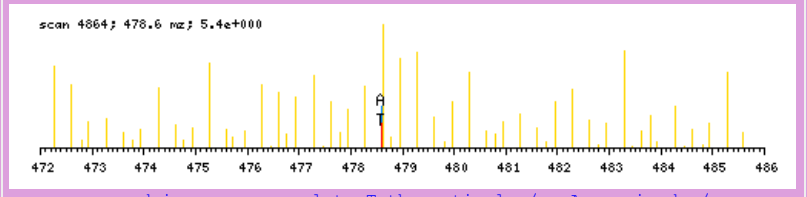
N-term:+29.04

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

GVSSGPGPMGLMGPR, MH+ 1433.7457, m/z 478.5867
H OS G13 P120811 220811-s1.04867.04867.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



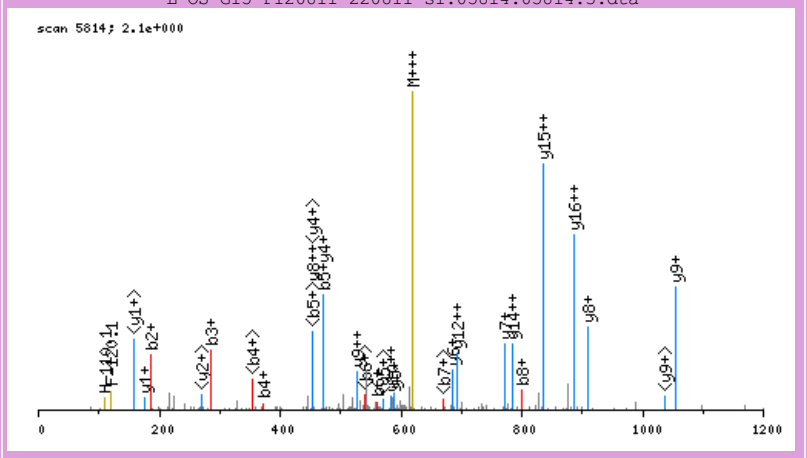
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	15		
191.1608	2	V	14	1342.6612	671.8345
278.1928	3	S	13	1243.5927	622.3003
365.2248	4	S	12	1156.5607	578.7843
422.2463	5	G	11	1069.5287	535.2683
519.2991	6	P	10	1012.5072	506.7575
576.3205	7	G	9	**915.4545**	**458.2311**
673.3733	8	P	8	**858.4330**	**429.7204**
804.4138	9	M	7	**761.3802**	381.1940
861.4352	10	G	6	**630.3397**	315.6738
974.5193	11	L	5	**573.3183**	**287.1631**
1105.5598	12	M	4	**460.2342**	**230.6210**
1162.5813	13	G	3	**329.1937**	165.1008
1259.6340	14	P	2	**272.1723**	**136.5900**
	15	R	1	175.1195	88.0637

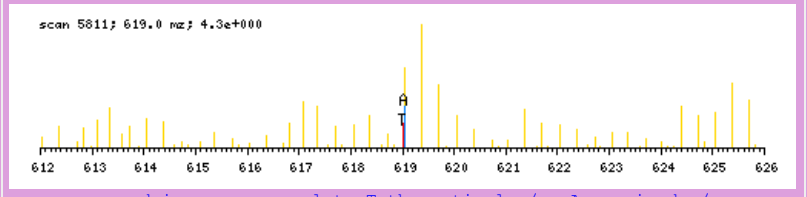
N-term:+35.07

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

GVTSVSQIFHSPDLAIR, MH+ 1855.0077, m/z 619.0074
L OS G15 P120811 220811-s1.05814.05814.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



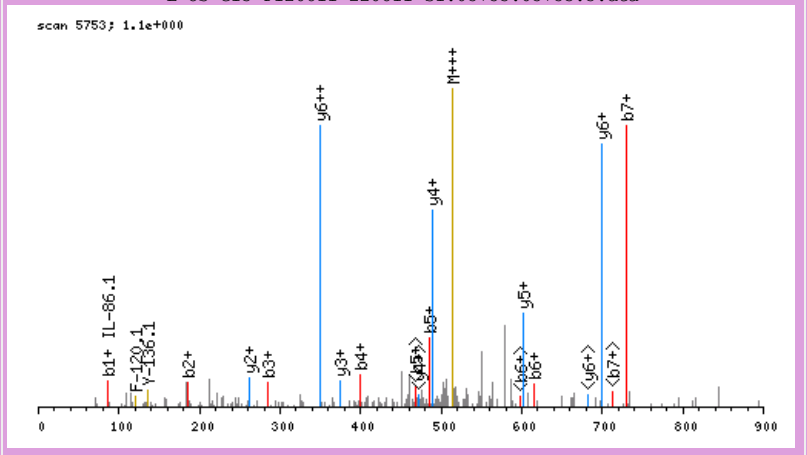
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	17		
185.1290	2	V	16	1769.9550	885.4814
286.1767	3	T	15	1670.8866	835.9472
373.2087	4	S	14	1569.8389	785.4234
472.2771	5	V	13	1482.8069	741.9074
559.3091	6	S	12	1383.7385	692.3731
687.3677	7	Q	11	1296.7064	648.8571
800.4518	8	I	10	1168.6479	584.8278
947.5202	9	F	9	1055.5638	528.2858
1084.5791	10	H	8	908.4954	454.7516
1171.6111	11	S	7	771.4365	386.2222
1268.6639	12	P	6	684.4044	342.7061
1383.6908	13	D	5	587.3517	294.1798
1496.7749	14	L	4	472.3247	236.6663
1567.8120	15	A	3	359.2407	180.1243
1680.8961	16	I	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

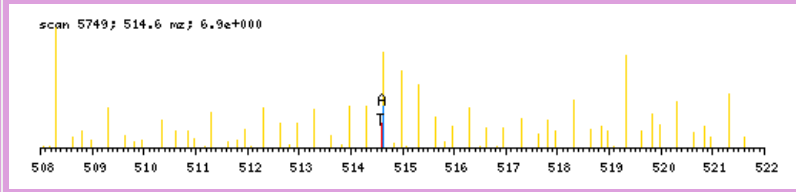
N-term:+29.04

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

GVVDSEDLPLNISR, MH+ 1541.8175, m/z 514.6107
L OS G13 P120811 220811-s1.05753.05753.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



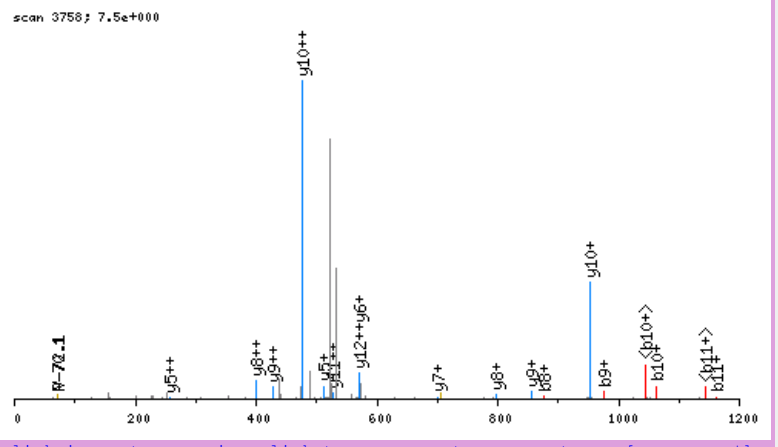
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	**1**	**G**	**14**		
185.1290	**2**	**V**	**13**	1456.7647	728.8863
284.1974	**3**	**V**	**12**	1357.6963	679.3521
399.2243	**4**	**D**	**11**	1258.6279	629.8179
486.2564	**5**	**S**	**10**	1143.6010	572.3044
615.2990	**6**	**E**	**9**	1056.5689	528.7884
730.3259	**7**	**D**	**8**	927.5264	464.2671
843.4100	**8**	**L**	**7**	812.4994	406.7536
940.4627	**9**	**P**	**6**	**699.4153**	**350.2116**
1053.5468	**10**	**L**	**5**	**602.3626**	301.6852
1167.5897	**11**	**N**	**4**	**489.2785**	245.1432
1280.6738	**12**	**I**	**3**	**375.2356**	188.1217
1367.7058	**13**	**S**	**2**	**262.1515**	131.5797
	14	**R**	**1**	175.1195	88.0637

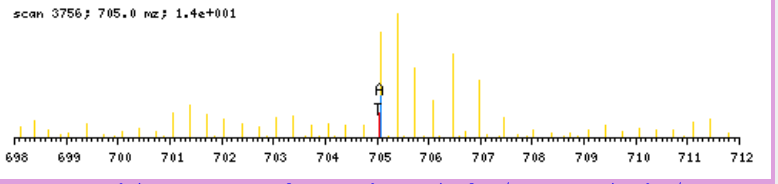
N-term:+29.04

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

GYDEKSAGVSVPGPMGPSGPR, MH+ 2113.1024, m/z 705.0390
H OS G15 P120811 220811-s1.03758.03758.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



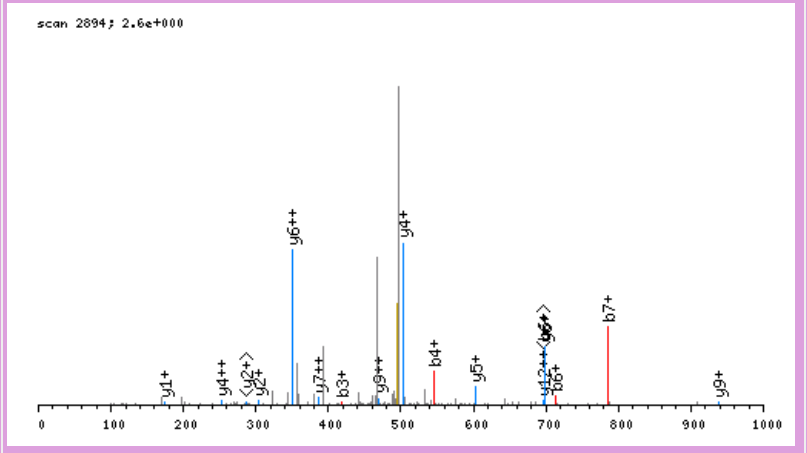
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	21		
255.1557	2	Y	20	2022.0179	1011.5129
370.1826	3	D	19	1858.9546	929.9812
499.2252	4	E	18	1743.9276	872.4677
661.3833	5	K	17	1614.8850	807.9464
748.4154	6	S	16	1452.7269	726.8674
819.4525	7	A	15	1365.6949	683.3514
876.4739	8	G	14	1294.6578	647.8328
975.5423	9	V	13	1237.6363	619.3221
1062.5744	10	S	12	1138.5679	**569.7879**
1161.6428	11	V	11	1051.5359	**526.2718**
1258.6956	12	P	10	**952.4675**	**476.7376**
1315.7170	13	G	9	**855.4147**	**428.2113**
1412.7698	14	P	8	**798.3932**	**399.7005**
1543.8103	15	M	7	**701.3405**	351.1741
1600.8317	16	G	6	**570.3000**	285.6539
1697.8845	17	P	5	**513.2785**	**257.1432**
1784.9165	18	S	4	416.2258	208.6168
1841.9380	19	G	3	329.1937	165.1008
1938.9908	20	P	2	272.1723	136.5900
	21	R	1	175.1195	88.0637

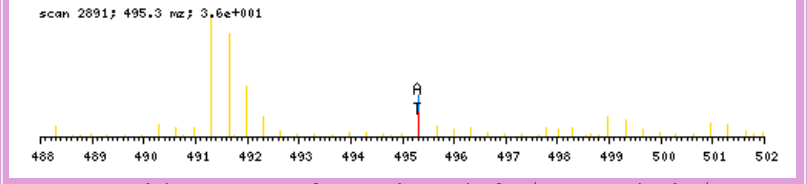
N-term:+35.07 K(5):+162.16

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

GYKEPAAPVSIQR, MH+ 1483.8909, m/z 495.3018
H OS G15 P120811 220811-s1.02894.02894.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



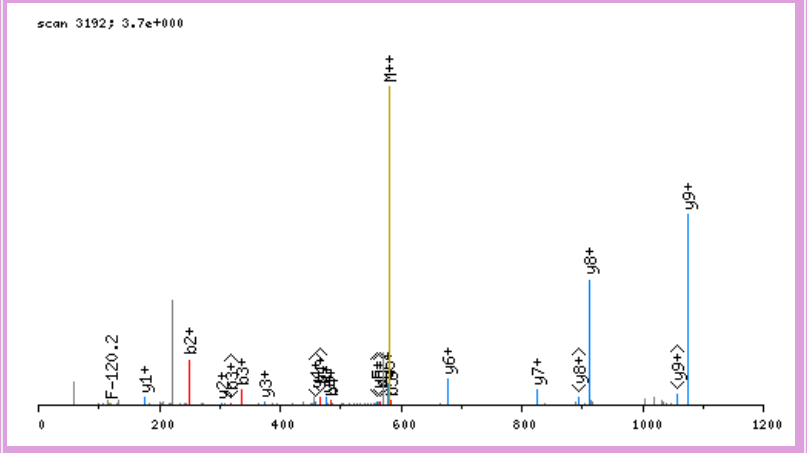
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

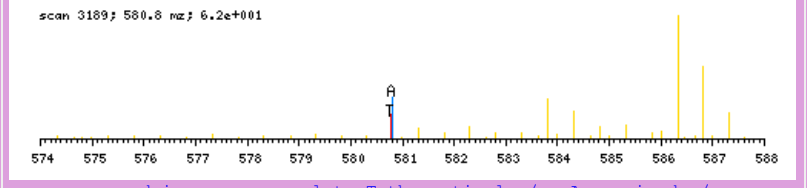
N-term:+35.07 K(3):+162.16

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

GYSFTTTAER, MH+ 1160.5588, m/z 580.7830
L OS G13 P120811 220811-s1.03192.03192.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



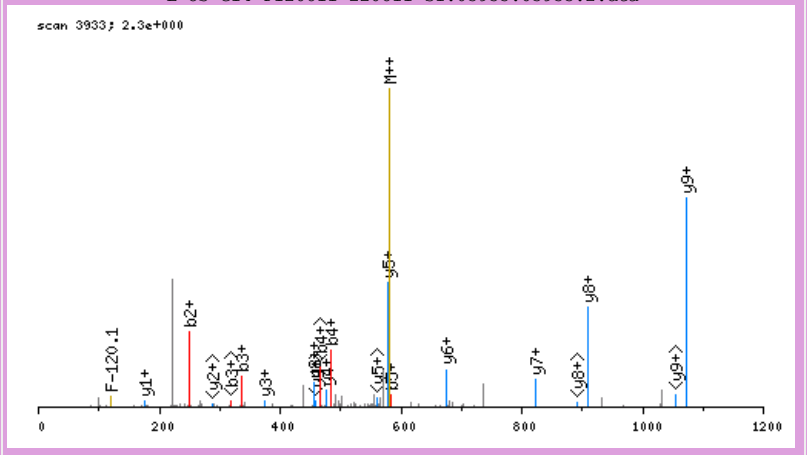
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
249.1239	2	Y	9	1075.5060	538.2569
336.1559	3	S	8	912.4427	456.7253
483.2243	4	F	7	825.4107	413.2092
584.2720	5	T	6	678.3422	339.6750
685.3197	6	T	5	577.2946	289.1512
786.3674	7	T	4	476.2469	238.6274
857.4045	8	A	3	375.1992	188.1035
986.4471	9	E	2	304.1621	152.5850
	10	R	1	175.1195	88.0637

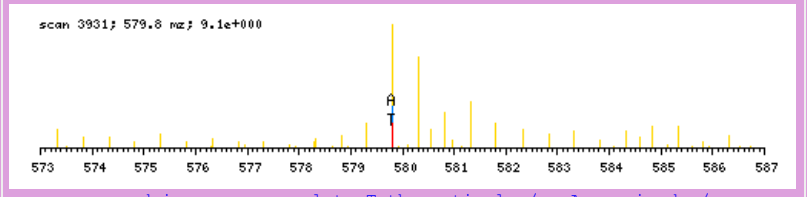
N-term:+29.04

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

GYSFVTTAER, MH+ 1158.5795, m/z 579.7934
L OS G14 P120811 220811-s1.03933.03933.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



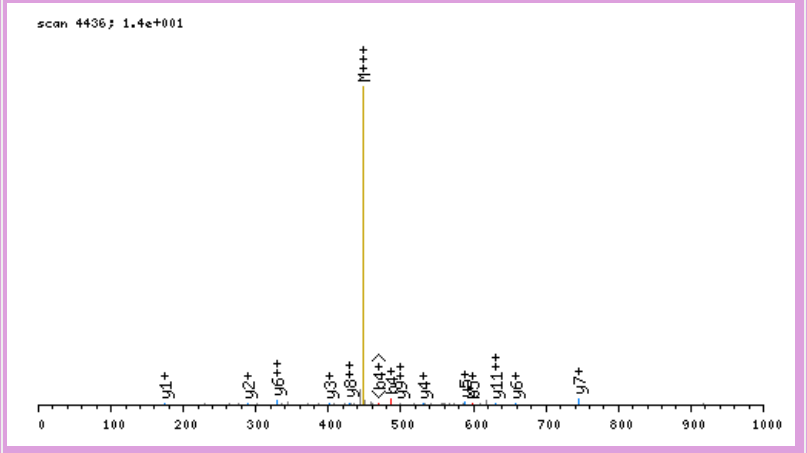
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	10		
249.1239	2	Y	9	1073.5267	537.2673
336.1559	3	S	8	910.4634	455.7356
483.2243	4	F	7	823.4314	412.2196
582.2927	5	V	6	676.3630	338.6854
683.3404	6	T	5	577.2946	289.1512
784.3881	7	T	4	476.2469	238.6274
855.4252	8	A	3	375.1992	188.1035
984.4678	9	E	2	304.1621	152.5850
	10	R	1	175.1195	88.0637

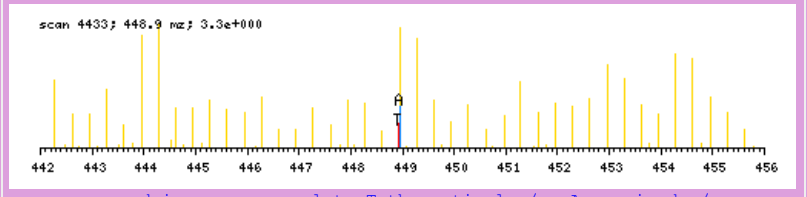
N-term:+29.04

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

GYTHLSAGELLR, MH+ 1344.7275, m/z 448.9140
L OS G16 P120811 220811-s1.04436.04436.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



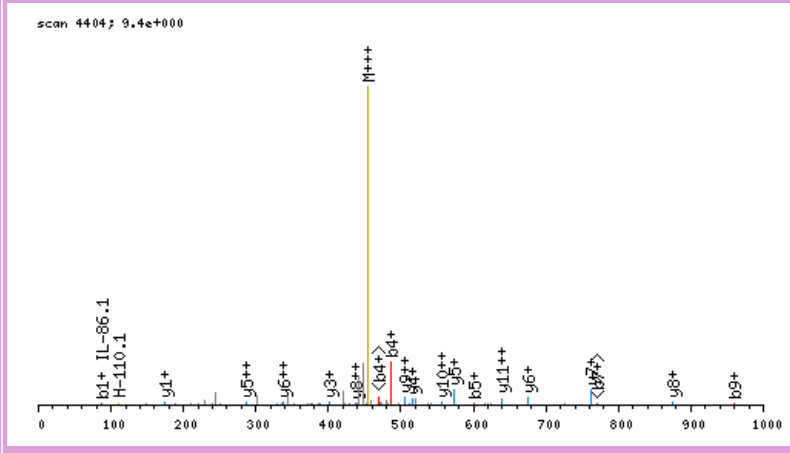
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
86.0606	1	G	12		
249.1239	2	Y	11	1259.6748	**630.3413**
350.1716	3	T	10	1096.6115	548.8097
487.2305	4	H	9	995.5638	**498.2858**
600.3145	5	L	8	858.5049	**429.7564**
687.3466	6	S	7	**745.4208**	373.2143
758.3837	7	A	6	**658.3888**	**329.6983**
815.4052	8	G	5	**587.3517**	294.1798
944.4477	9	E	4	**530.3302**	265.6690
1057.5318	10	L	3	**401.2876**	201.1477
1170.6159	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

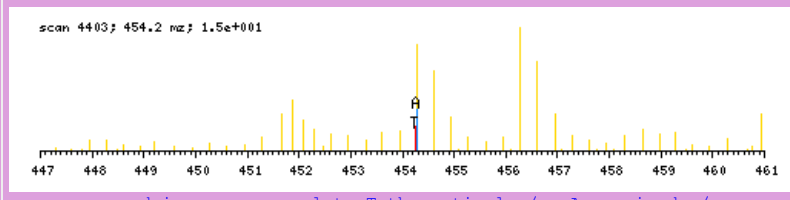
N-term:+29.04

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

GYTHLSTGDLLR, MH+ 1360.7225, m/z 454.2457
L OS G16 P120811 220811-s1.04404.04404.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



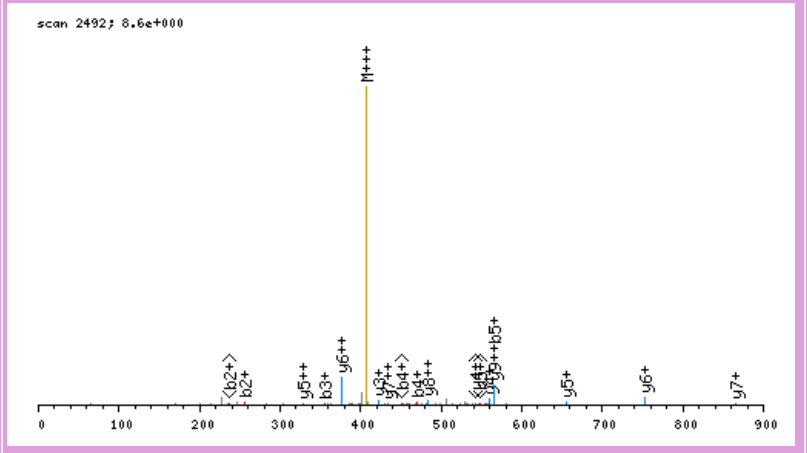
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

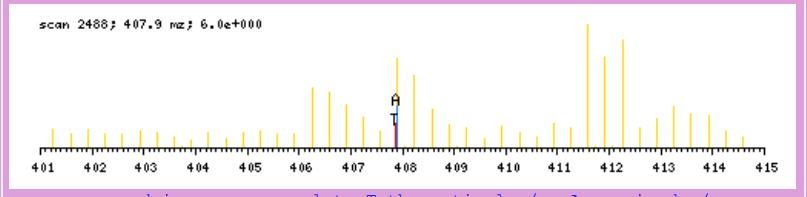
N-term:+29.04

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

GYTLPPHCSR, MH+ 1221.6262, m/z 407.8802
H OS G16 P120811 220811-s1.02492.02492.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



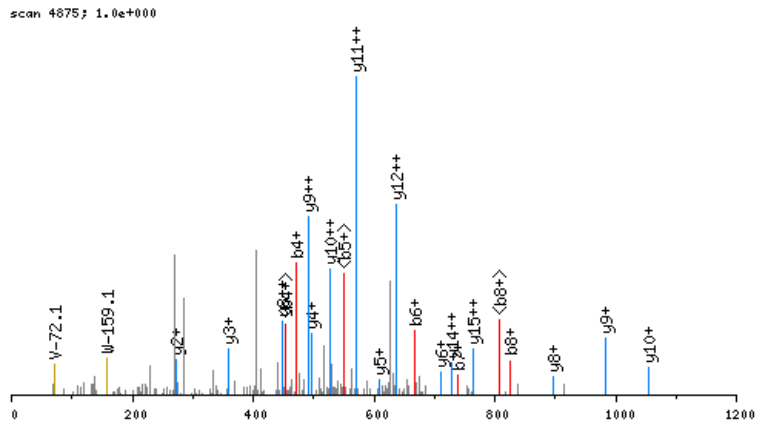
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
92.0924	1	G	10		
255.1557	2	Y	9	1130.5416	565.7747
356.2034	3	T	8	967.4783	484.2431
469.2874	4	L	7	866.4306	433.7192
566.3402	5	P	6	753.3466	377.1772
663.3930	6	P	5	656.2938	328.6508
800.4519	7	H	4	559.2410	280.1244
960.4825	8	C	3	422.1821	211.5950
1047.5145	9	S	2	262.1515	131.5797
	10	R	1	175.1195	88.0637

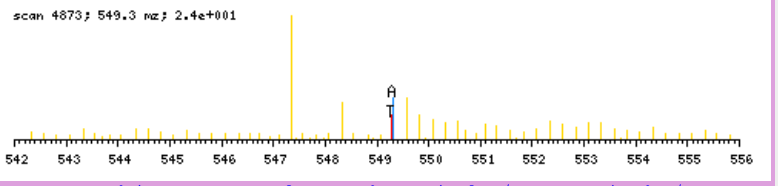
N-term:+35.07 C(8):+160.03

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

HAFSPVASVESASGETLHSPK, MH+ 2194.1144, m/z 549.2841
L OS G17 P120811 220811-s1.04875.04875.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



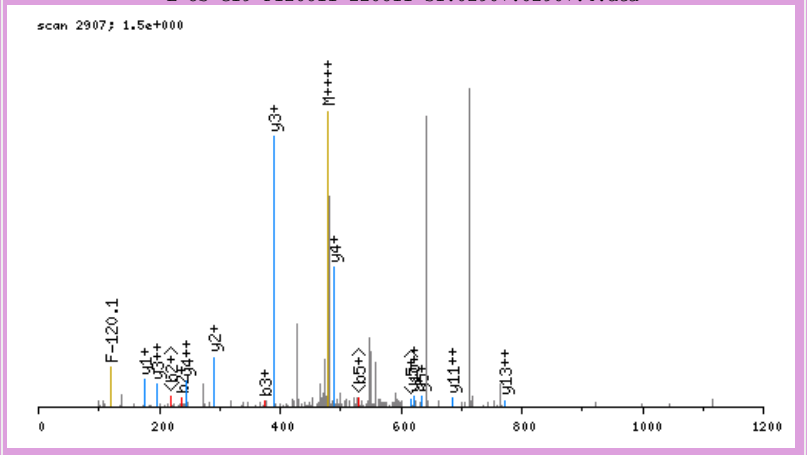
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	21		
237.1351	2	A	20	2029.0242	1015.0160
384.2035	3	F	19	1957.9871	979.4975
471.2356	4	S	18	1810.9187	905.9633
568.2883	5	P	17	1723.8867	862.4473
667.3567	6	V	16	1626.8339	813.9209
738.3939	7	A	15	1527.7655	**764.3867**
825.4259	8	S	14	1456.7284	**728.8681**
924.4943	9	V	13	1369.6964	685.3521
1053.5369	10	E	12	1270.6280	**635.8179**
1140.5689	11	S	11	1141.5854	**571.2966**
1211.6060	12	A	10	**1054.5533**	**527.7806**
1298.6381	13	S	9	**983.5162**	**492.2620**
1355.6595	14	G	8	**896.4842**	**448.7460**
1484.7021	15	E	7	839.4627	420.2353
1585.7498	16	T	6	**710.4201**	355.7140
1698.8339	17	L	5	**609.3725**	305.1901
1835.8928	18	H	4	**496.2884**	248.6481
1922.9248	19	S	3	**359.2295**	180.1187
2019.9776	20	P	2	**272.1975**	136.6026
	21	K	1	175.1447	88.0763

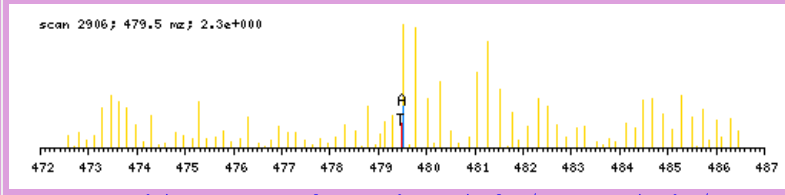
N-term:+29.04 K(21):+156.13

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

HAHGDQYKATDFVVDR, MH+ 1914.9462, m/z 479.4920
L OS G19 P120811 220811-s1.02907.02907.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



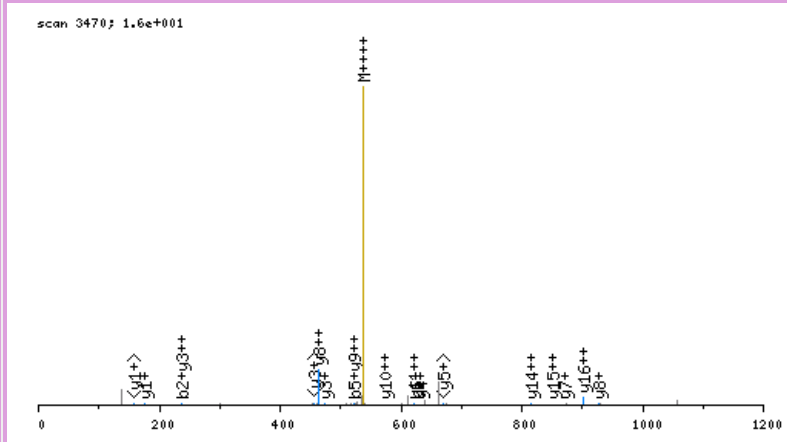
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	16		
237.1351	2	A	15	1749.8561	875.4319
374.1940	3	H	14	1678.8189	839.9134
431.2155	4	G	13	1541.7600	**771.3839**
546.2424	5	D	12	1484.7386	742.8732
674.3010	6	Q	11	1369.7116	**685.3597**
837.3644	7	Y	10	1241.6530	**621.3304**
993.4907	8	K	9	1078.5897	539.7988
1064.5278	9	A	8	922.4634	461.7356
1165.5754	10	T	7	851.4263	426.2171
1280.6024	11	D	6	750.3786	375.6932
1427.6708	12	F	5	**635.3517**	318.1798
1526.7392	13	V	4	**488.2833**	**244.6455**
1625.8076	14	V	3	**389.2149**	**195.1113**
1740.8346	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

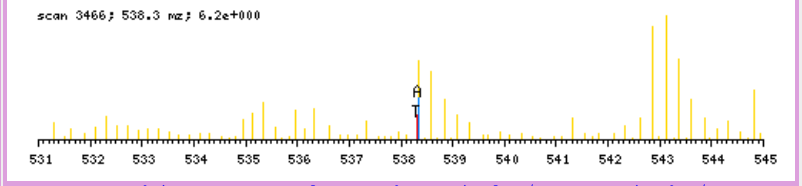
N-term:+29.04 K(8):+156.13

HAITATQKTVDGPSGKLWR, MH+ 2150.2086, m/z 538.3076
L OS G18 P120811 220811-s1.03470.03470.4.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±]



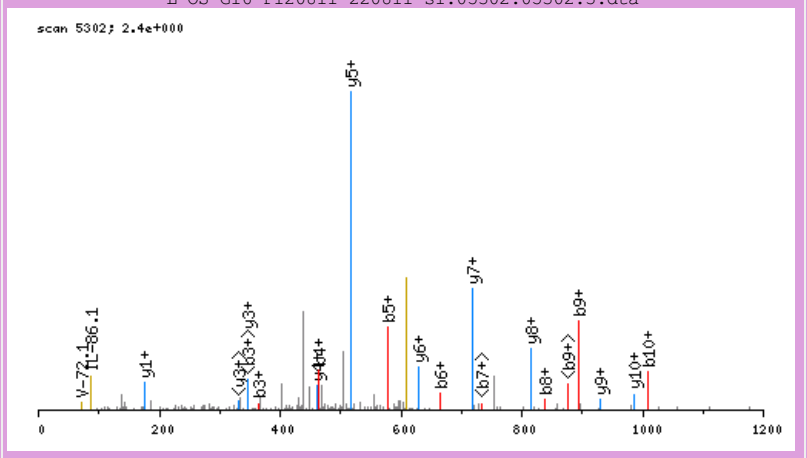
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

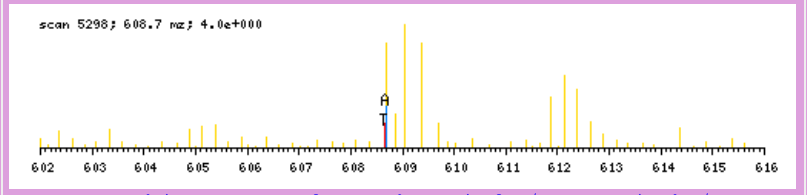
N-term:+29.04 K(8):+156.13
K(16):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

HAQVISSSGIVSLGIGDR, MH+ 1823.9979, m/z 608.6708
L OS G16 P120811 220811-s1.05302.05302.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



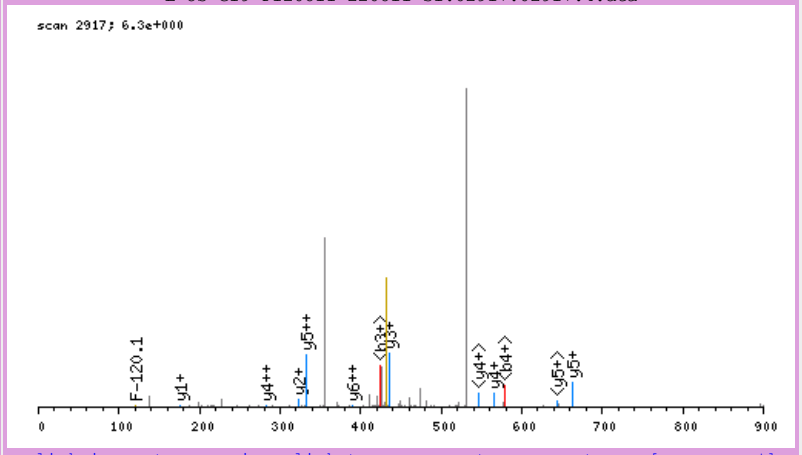
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	18		
237.1351	2	A	17	1658.9077	829.9578
365.1937	3	Q	16	1587.8706	794.4392
464.2621	4	V	15	1459.8120	730.4099
577.3462	5	I	14	1360.7436	680.8757
664.3782	6	S	13	1247.6596	624.3337
751.4102	7	S	12	1160.6275	580.8177
838.4423	8	S	11	1073.5955	537.3017
895.4637	9	G	10	**986.5635**	493.7856
1008.5478	10	I	9	**929.5420**	465.2749
1107.6162	11	V	8	**816.4579**	408.7329
1194.6482	12	S	7	**717.3895**	359.1987
1307.7323	13	L	6	**630.3575**	315.6827
1364.7538	14	G	5	**517.2734**	259.1406
1477.8378	15	I	4	**460.2520**	230.6299
1534.8593	16	G	3	**347.1679**	174.0879
1649.8862	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

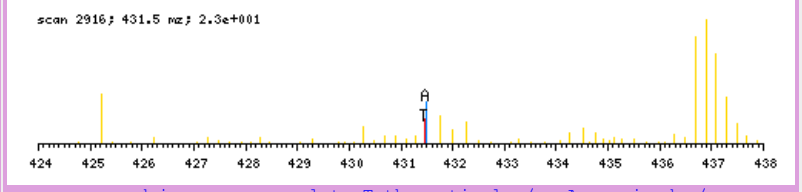
N-term:+29.04

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

HCDKLHVDPENFR, MH+ 1722.8386, m/z 431.4651
L OS G19 P120811 220811-s1.02917.02917.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



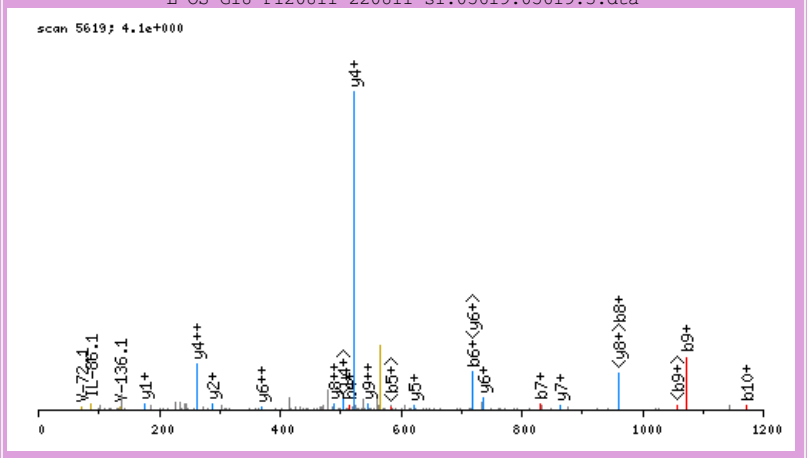
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	13		
326.1286	2	C	12	1557.7484	779.3781
441.1556	3	D	11	1397.7178	699.3628
597.2819	4	K	10	1282.6908	641.8493
710.3659	5	L	9	1126.5645	563.7862
847.4248	6	H	8	1013.4805	507.2441
946.4932	7	V	7	876.4216	438.7147
1061.5202	8	D	6	777.3531	**389.1805**
1158.5730	9	P	5	**662.3262**	**331.6670**
1287.6155	10	E	4	**565.2734**	**283.1406**
1401.6585	11	N	3	**436.2308**	218.6193
1548.7269	12	F	2	**322.1879**	161.5979
	13	R	1	**175.1195**	88.0637

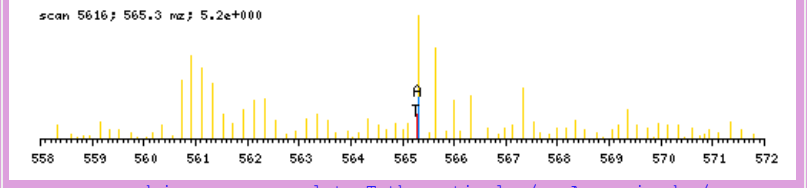
N-term:+29.04 C(2):+160.03
K(4):+156.13

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

HDFSSDLENVPHLR, MH+ 1693.8298, m/z 565.2814
L OS G18 P120811 220811-s1.05619.05619.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



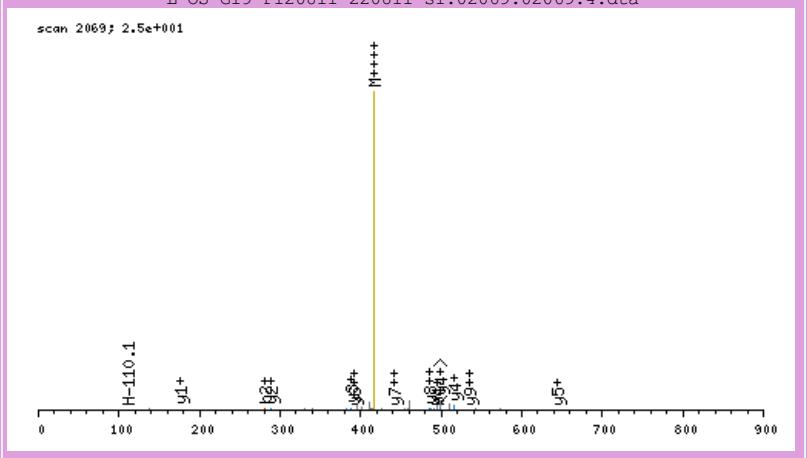
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

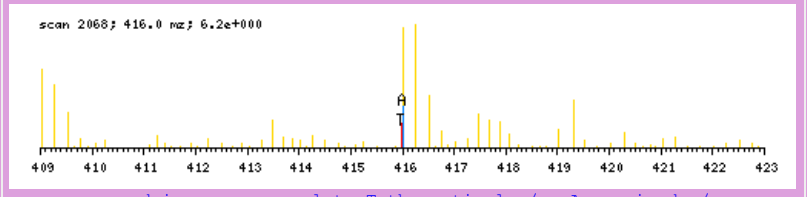
N-term:+29.04

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

HDGKVVSTHEQVLR, MH+ 1660.9135, m/z 415.9838
L OS G19 P120811 220811-s1.02069.02069.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



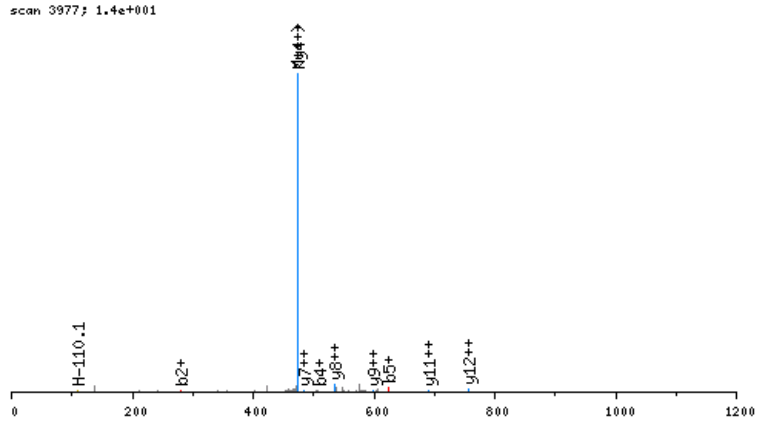
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
281.1250	2	D	13	1495.8233	748.4156
338.1464	3	G	12	1380.7964	690.9021
494.2727	4	K	11	1323.7749	662.3914
593.3411	5	V	10	1167.6486	584.3282
692.4095	6	V	9	1068.5802	**534.7940**
779.4416	7	S	8	969.5118	**485.2598**
880.4893	8	T	7	882.4797	**441.7438**
1017.5482	9	H	6	781.4321	**391.2199**
1146.5908	10	E	5	**644.3731**	322.6905
1274.6493	11	Q	4	**515.3306**	258.1692
1373.7178	12	V	3	**387.2720**	194.1399
1486.8018	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

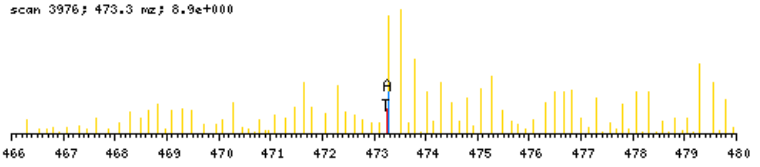
N-term:+29.04 K(4):+156.13

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

HDVEDAETYKKMLAR, MH+ 1889.9796, m/z 473.2503
L OS G18 P120811 220811-s1.03977.03977.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



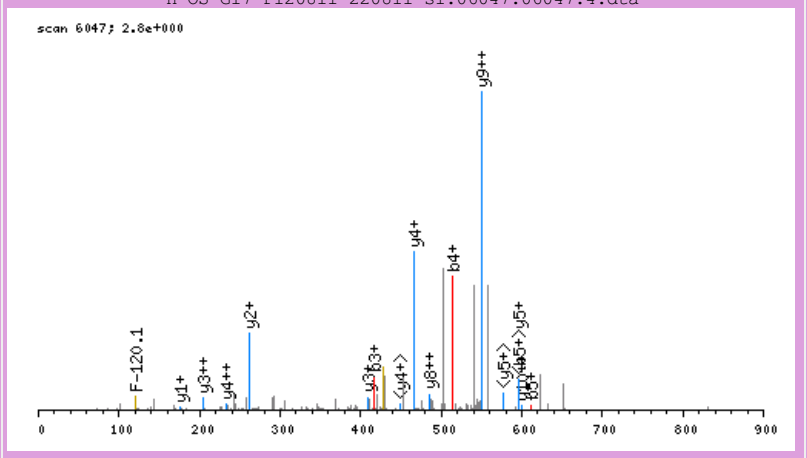
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	15		
281.1250	2	D	14	1724.8894	862.9486
380.1934	3	V	13	1609.8624	805.4351
509.2360	4	E	12	1510.7940	755.9009
624.2629	5	D	11	1381.7514	691.3796
695.3000	6	A	10	1266.7245	633.8662
824.3426	7	E	9	1195.6874	598.3476
925.3903	8	T	8	1066.6448	533.8263
1088.4536	9	Y	7	965.5971	483.3025
1244.5799	10	K	6	802.5338	401.7708
1400.7062	11	K	5	646.4075	323.7076
1531.7467	12	M	4	490.2812	245.6445
1644.8308	13	L	3	359.2407	180.1243
1715.8679	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

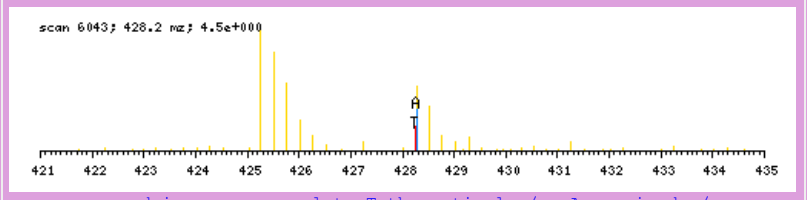
N-term:+29.04 K(10):+156.13
K(11):+156.13

HEDPVEKVIEGFSR, MH+ 1709.9499, m/z 428.2429
H OS G17 P120811 220811-s1.06047.06047.4.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±]

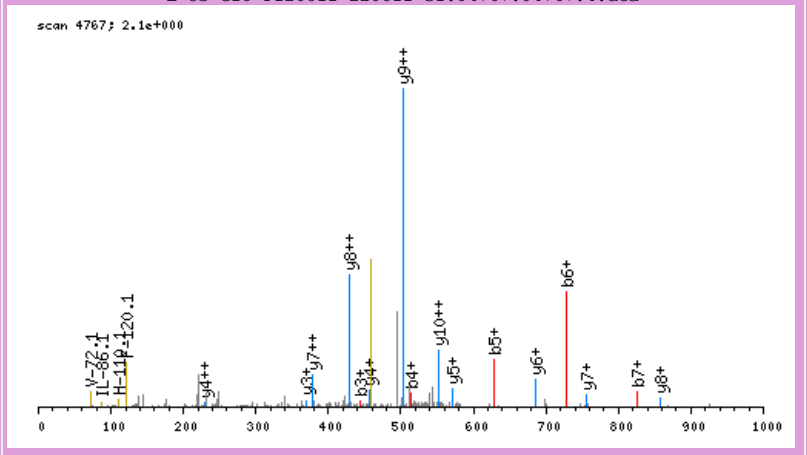


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

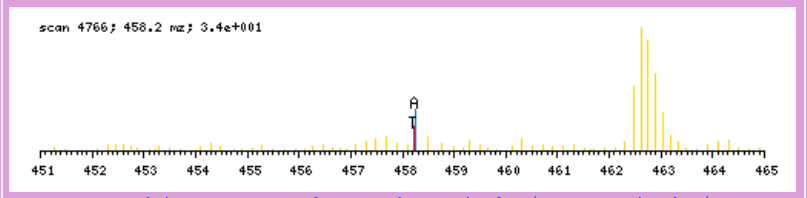
b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	14		
301.1724	2	E	13	1538.8279	769.9179
416.1993	3	D	12	1409.7853	705.3966
513.2521	4	P	11	1294.7583	647.8831
612.3205	5	V	10	1197.7056	**599.3567**
741.3631	6	E	9	1098.6372	**549.8225**
903.5212	7	K	8	969.5946	**485.3012**
1002.5896	8	V	7	807.4365	404.2222
1115.6737	9	I	6	708.3681	354.6879
1244.7163	10	E	5	**595.2840**	298.1459
1301.7378	11	G	4	**466.2414**	**233.6246**
1448.8062	12	F	3	**409.2199**	**205.1139**
1535.8382	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

N-term:+35.07 K(7):+162.16

HEFADVVFTANDSGHR, MH+ 1829.8571, m/z 458.2197
L_OS_G18_P120811_220811-s1.04767.04767.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

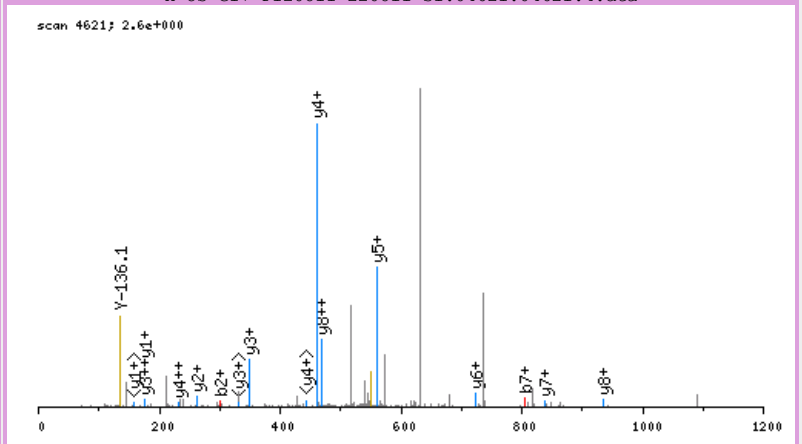
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	16		
295.1406	2	E	15	1664.7669	832.8873
442.2090	3	F	14	1535.7243	768.3661
513.2461	4	A	13	1388.6559	694.8318
628.2731	5	D	12	1317.6188	659.3133
727.3415	6	V	11	1202.5918	601.7998
826.4099	7	V	10	1103.5234	**552.2656**
973.4783	8	F	9	1004.4550	**502.7314**
1074.5260	9	T	8	**857.3866**	**429.1972**
1145.5631	10	A	7	**756.3389**	**378.6734**
1259.6060	11	N	6	**685.3018**	343.1548
1374.6330	12	D	5	**571.2588**	286.1333
1461.6650	13	S	4	**456.2319**	**228.6199**
1518.6865	14	G	3	**369.1999**	185.1039
1655.7454	15	H	2	312.1784	156.5931
	16	R	1	175.1195	88.0637

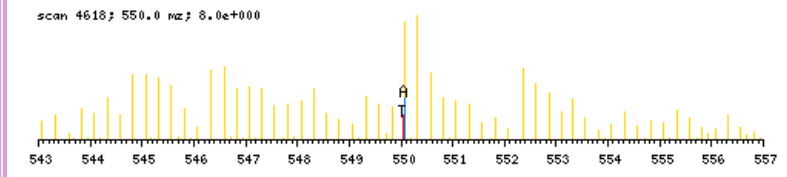
N-term:+29.04

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

HENLKGGDDLDPNYVLSSR, MH+ 2197.1525, m/z 550.0436
H OS G17 P120811 220811-s1.04621.04621.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



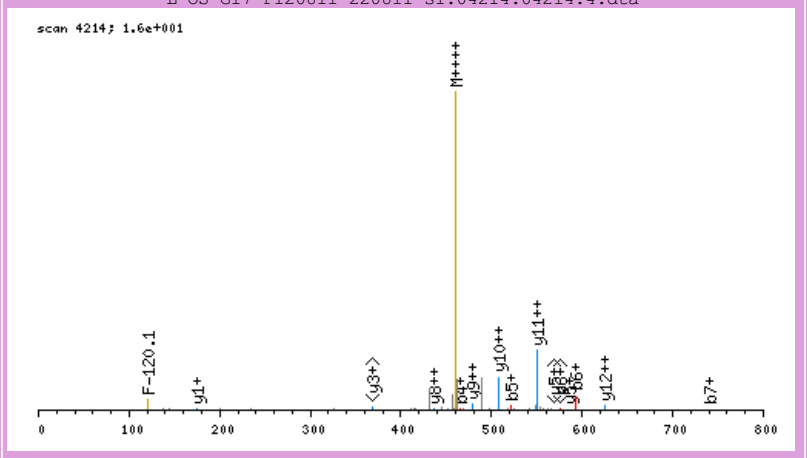
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	19		
301.1724	2	E	18	2026.0306	1013.5192
415.2153	3	N	17	1896.9880	948.9979
528.2994	4	L	16	1782.9450	891.9764
690.4575	5	K	15	1669.8610	835.4344
747.4790	6	G	14	1507.7029	754.3554
804.5004	7	G	13	1450.6814	725.8446
919.5274	8	D	12	1393.6599	697.3339
1034.5543	9	D	11	1278.6330	639.8204
1147.6384	10	L	10	1163.6061	582.3069
1262.6653	11	D	9	1050.5220	525.7649
1359.7181	12	P	8	**935.4951**	**468.2514**
1473.7610	13	N	7	**838.4423**	419.7251
1636.8243	14	Y	6	**724.3994**	362.7036
1735.8928	15	V	5	**561.3360**	281.1719
1848.9768	16	L	4	**462.2676**	**231.6377**
1936.0088	17	S	3	**349.1836**	**175.0957**
2023.0409	18	S	2	**262.1515**	131.5797
	19	R	1	**175.1195**	88.0637

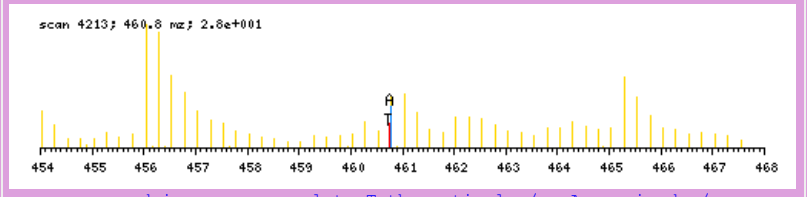
N-term:+35.07 K(5):+162.16

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

HGIEGAFSGSGAKTVIPR, MH+ 1840.0081, m/z 460.7575
L OS G17 P120811 220811-s1.04214.04214.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



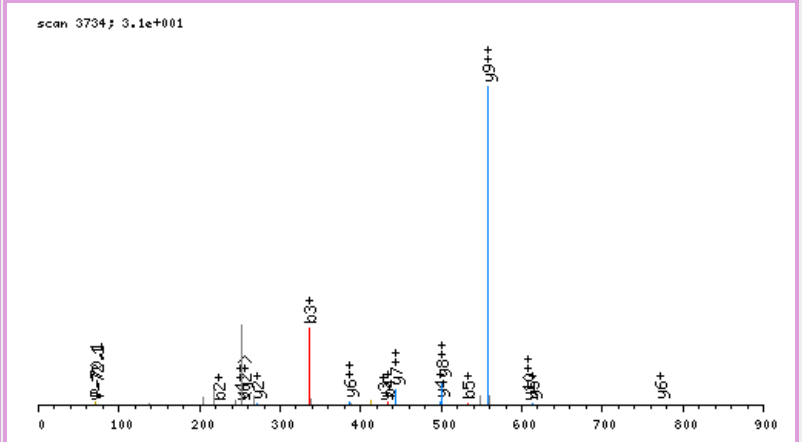
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	18		
223.1195	2	G	17	1674.9179	837.9629
336.2035	3	I	16	1617.8965	809.4521
465.2461	4	E	15	1504.8124	752.9101
522.2676	5	G	14	1375.7698	688.3888
593.3047	6	A	13	1318.7483	659.8781
740.3731	7	F	12	1247.7112	**624.3595**
827.4052	8	S	11	1100.6428	**550.8253**
884.4266	9	G	10	1013.6108	**507.3093**
971.4586	10	S	9	956.5893	**478.7986**
1028.4801	11	G	8	869.5573	**435.2826**
1099.5172	12	A	7	812.5358	406.7718
1255.6435	13	K	6	741.4987	371.2533
1356.6912	14	T	5	**585.3724**	293.1901
1455.7596	15	V	4	484.3247	242.6663
1568.8437	16	I	3	385.2563	193.1321
1665.8964	17	P	2	272.1723	136.5900
	18	R	1	**175.1195**	88.0637

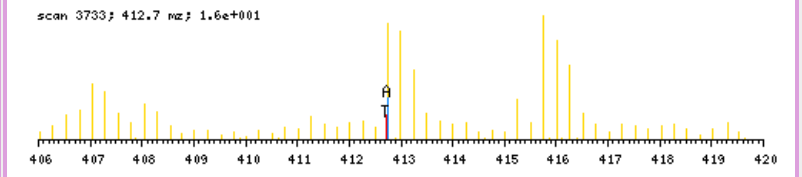
N-term:+29.04 K(13):+156.13

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

HGNPVDDICIAKPR, MH+ 1647.8640, m/z 412.7215
L OS G17 P120811 220811-s1.03734.03734.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



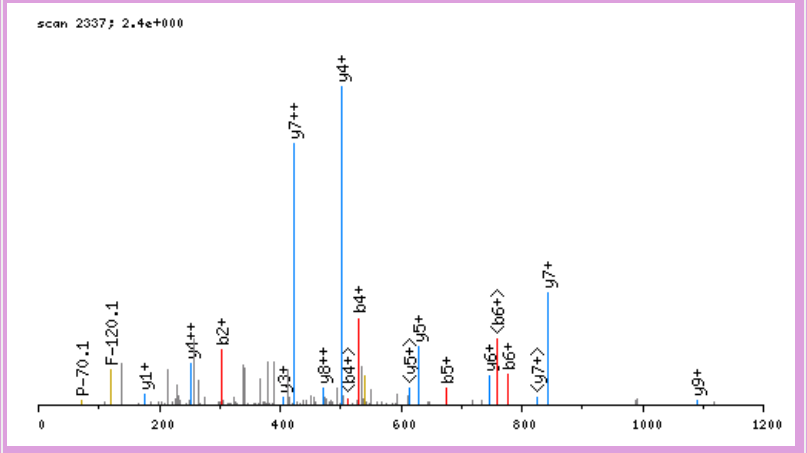
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

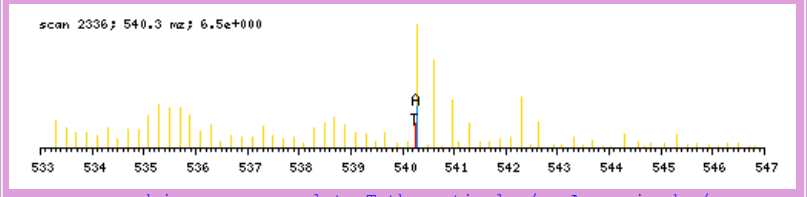
N-term:+29.04 C(9):+160.03
K(12):+156.13

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 G18 P120811 220811-s1.02337.02337.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



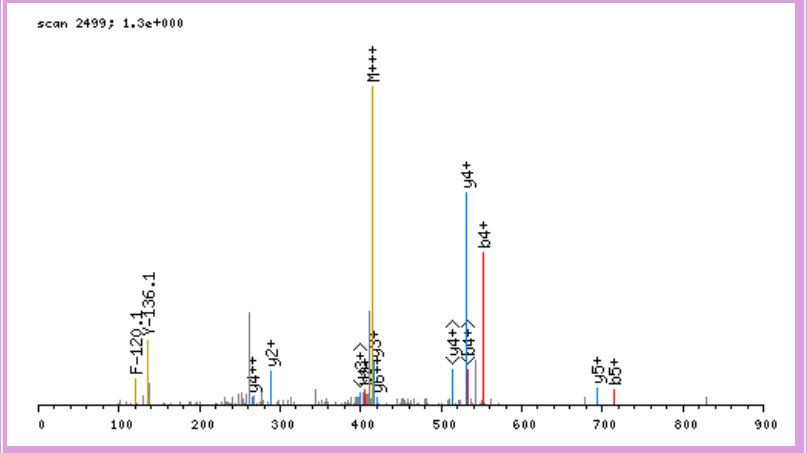
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

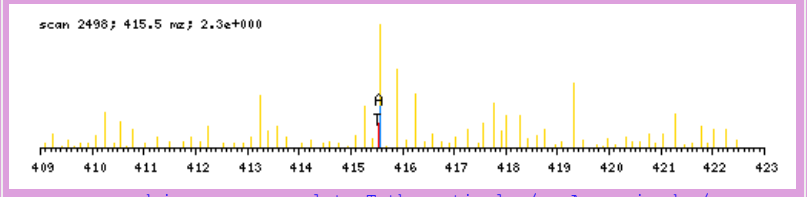
N-term:+29.04

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

HHTFYNELR, MH+ 1244.6176, m/z 415.5441
L OS G19 P120811 220811-s1.02499.02499.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



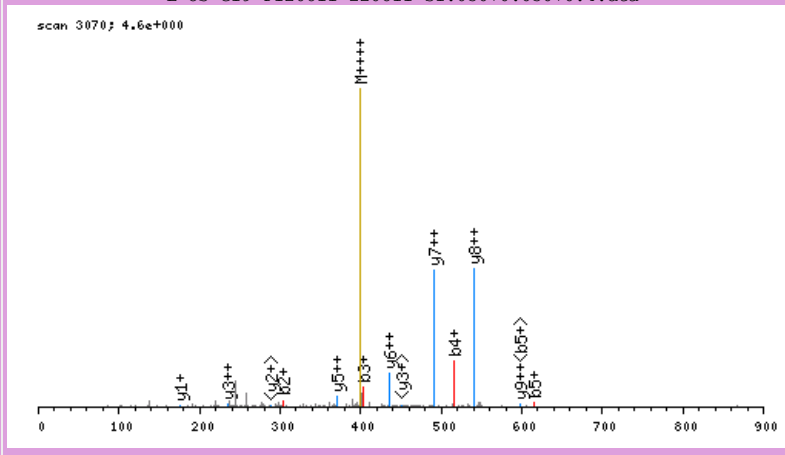
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	9		
303.1569	2	H	8	1079.5274	540.2676
404.2046	3	T	7	942.4685	471.7382
551.2730	4	F	6	841.4208	**421.2143**
714.3363	5	Y	5	**694.3524**	347.6801
828.3793	6	N	4	**531.2891**	**266.1485**
957.4219	7	E	3	**417.2462**	209.1270
1070.5059	8	L	2	**288.2036**	144.6057
	9	R	1	175.1195	88.0637

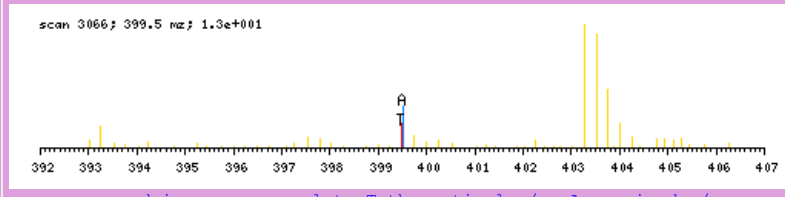
N-term:+29.04

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

HHVLVIENKYMR, MH+ 1594.8892, m/z 399.4778
L OS G19 P120811 220811-s1.03070.03070.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



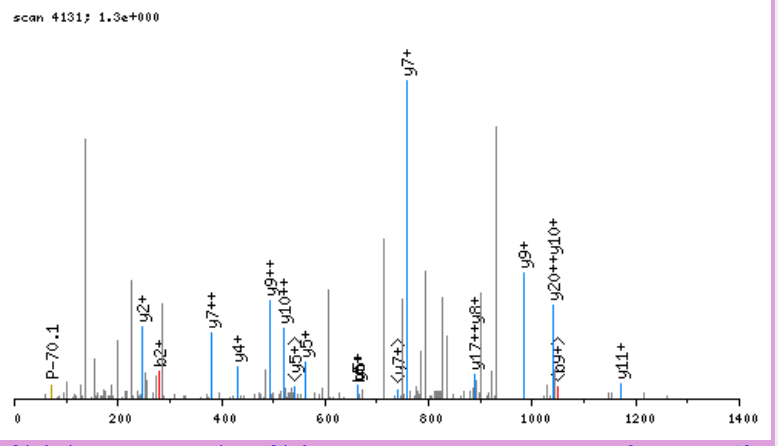
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	12		
303.1569	2	H	11	1429.7990	715.4034
402.2253	3	V	10	1292.7401	646.8740
515.3094	4	L	9	1193.6717	**597.3398**
614.3778	5	V	8	1080.5876	**540.7977**
727.4619	6	I	7	981.5192	**491.2635**
856.5045	7	E	6	868.4351	**434.7215**
970.5474	8	N	5	739.3925	**370.2002**
1126.6737	9	K	4	625.3496	313.1787
1289.7370	10	Y	3	469.2233	**235.1156**
1420.7775	11	M	2	306.1600	153.5839
	12	R	1	**175.1195**	88.0637

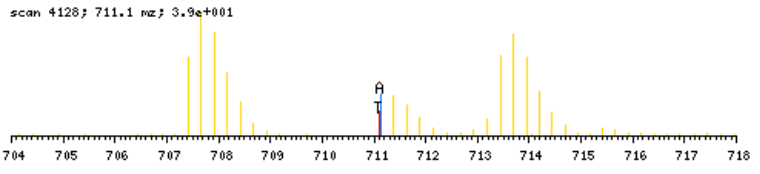
N-term:+29.04 K(9):+156.13

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

HIVERPYSGFPDASSEGPEPTQGEAR, MH+ 2841.3444, m/z 711.0915
L OS G17 P120811 220811-s1.04131.04131.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



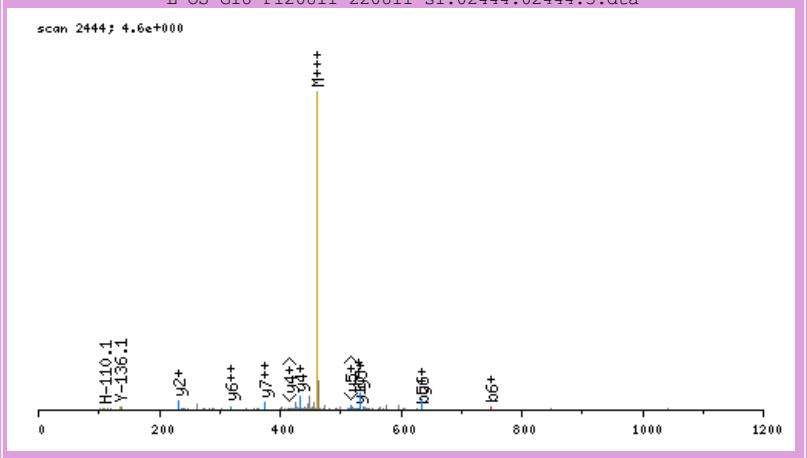
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	26		
279.1821	2	I	25	2676.2542	1338.6310
378.2505	3	V	24	2563.1701	1282.0890
507.2931	4	E	23	2464.1017	1232.5548
663.3942	5	R	22	2335.0591	1168.0335
760.4470	6	P	21	2178.9580	1089.9829
923.5103	7	Y	20	2081.9052	**1041.4565**
1010.5423	8	S	19	1918.8419	959.9249
1067.5638	9	G	18	1831.8099	916.4088
1214.6322	10	F	17	1774.7884	**887.8981**
1311.6850	11	P	16	1627.7200	814.3639
1426.7119	12	D	15	1530.6672	765.8375
1497.7490	13	A	14	1415.6403	708.3241
1584.7810	14	S	13	1344.6032	672.8055
1671.8131	15	S	12	1257.5711	629.2895
1800.8557	16	E	11	**1170.5391**	585.7735
1857.8771	17	G	10	**1041.4965**	**521.2522**
1954.9299	18	P	9	**984.4750**	**492.7414**
2083.9725	19	E	8	**887.4223**	444.2151
2181.0252	20	P	7	**758.3797**	**379.6938**
2282.0729	21	T	6	**661.3269**	331.1674
2410.1315	22	Q	5	**560.2792**	280.6435
2467.1530	23	G	4	**432.2207**	216.6142
2596.1956	24	E	3	375.1992	188.1035
2667.2327	25	A	2	**246.1566**	123.5822
	26	R	1	175.1195	88.0637

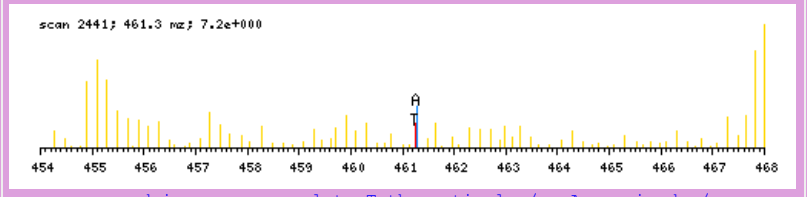
N-term:+29.04

HKAEIITVSDGR, MH+ 1381.7804, m/z 461.2650
L OS G18 P120811 220811-s1.02444.02444.3.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±]

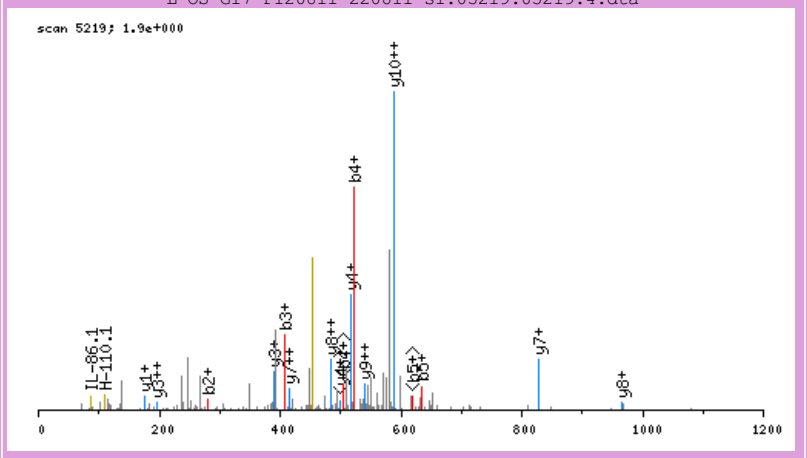


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

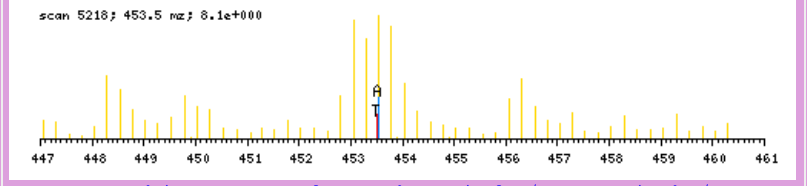
b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	12		
322.2243	2	K	11	1216.6902	608.8490
393.2614	3	A	10	1060.5639	**530.7858**
522.3040	4	E	9	989.5267	495.2673
635.3881	5	I	8	860.4842	430.7460
748.4721	6	I	7	747.4001	**374.2040**
849.5198	7	T	6	**634.3160**	**317.6619**
948.5882	8	V	5	**533.2683**	267.1381
1035.6203	9	S	4	**434.1999**	217.6039
1150.6472	10	D	3	347.1679	174.0879
1207.6687	11	G	2	**232.1410**	116.5744
	12	R	1	175.1195	88.0637

N-term:+29.04 K(2):+156.13

HLEINPDHPIVETLR, MH+ 1810.9815, m/z 453.5008
L OS G17 P120811 220811-s1.05219.05219.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

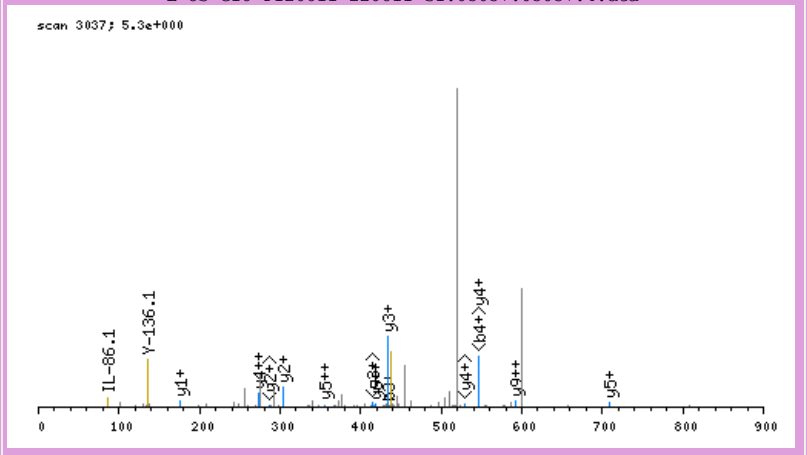
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	15		
279.1821	2	L	14	1645.8913	823.4496
408.2247	3	E	13	1532.8073	766.9076
521.3087	4	I	12	1403.7647	702.3863
635.3517	5	N	11	1290.6806	645.8442
732.4044	6	P	10	1176.6377	588.8228
847.4314	7	D	9	1079.5849	540.2964
984.4903	8	H	8	964.5580	482.7829
1081.5430	9	P	7	827.4991	414.2535
1194.6271	10	I	6	730.4463	365.7271
1293.6955	11	V	5	617.3623	309.1850
1422.7381	12	E	4	518.2938	259.6508
1523.7858	13	T	3	389.2512	195.1295
1636.8699	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

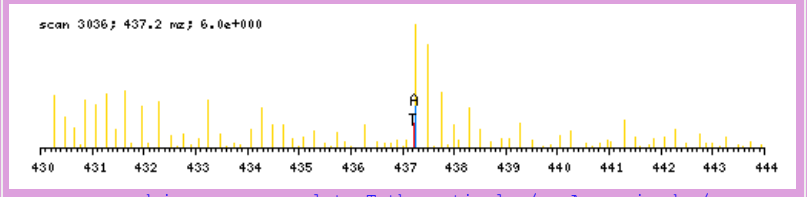
N-term:+29.04

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

HLKEDQTEYLEER, MH+ 1745.8710, m/z 437.2232
L OS G18 P120811 220811-s1.03037.03037.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



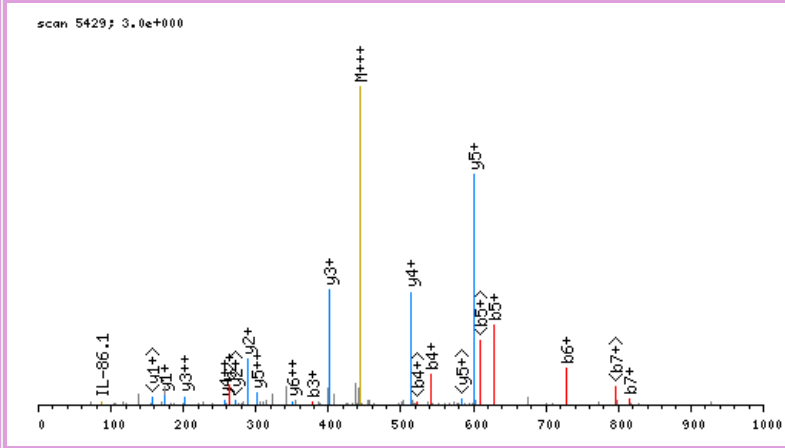
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	13		
279.1821	2	L	12	1580.7808	790.8943
435.3084	3	K	11	1467.6968	734.3523
564.3510	4	E	10	1311.5705	656.2891
679.3779	5	D	9	1182.5279	**591.7678**
807.4365	6	Q	8	1067.5009	534.2544
908.4842	7	T	7	939.4424	470.2251
1037.5268	8	E	6	838.3947	**419.7012**
1200.5901	9	Y	5	**709.3521**	**355.1800**
1313.6742	10	L	4	**546.2888**	**273.6483**
1442.7167	11	E	3	**433.2047**	217.1063
1571.7593	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

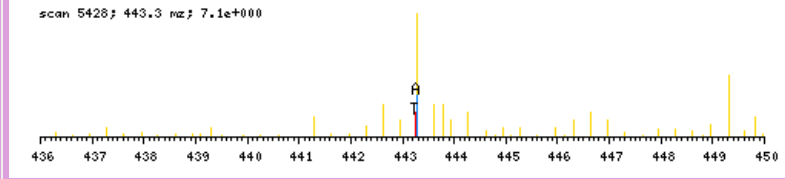
N-term:+29.04 K(3):+156.13

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

HPDYSVSLLLR, MH+ 1327.7374, m/z 443.2506
L OS G16 P120811 220811-s1.05429.05429.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



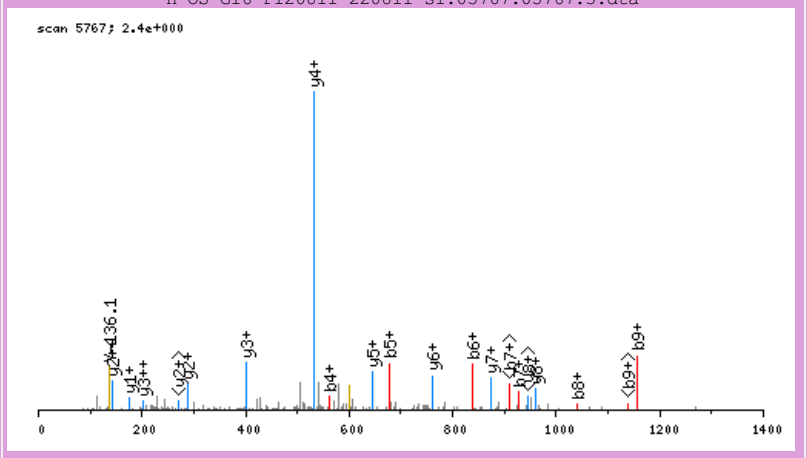
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	11		
263.1508	2	P	10	1162.6472	581.8275
378.1777	3	D	9	1065.5944	533.3011
541.2410	4	Y	8	950.5675	475.7877
628.2731	5	S	7	787.5042	394.2560
727.3415	6	V	6	700.4721	350.7400
814.3735	7	S	5	601.4037	301.2058
927.4576	8	L	4	514.3717	257.6898
1040.5416	9	L	3	401.2876	201.1477
1153.6257	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

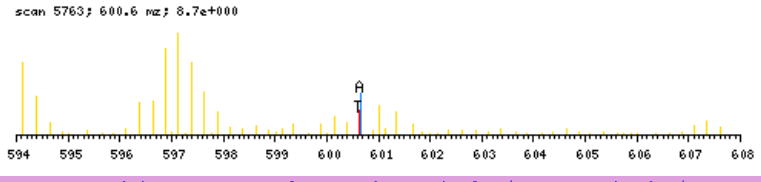
N-term:+29.04

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

HPEYDYSNDLMLLR, MH+ 1799.8850, m/z 600.6332
H OS G16 P120811 220811-s1.05767.05767.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



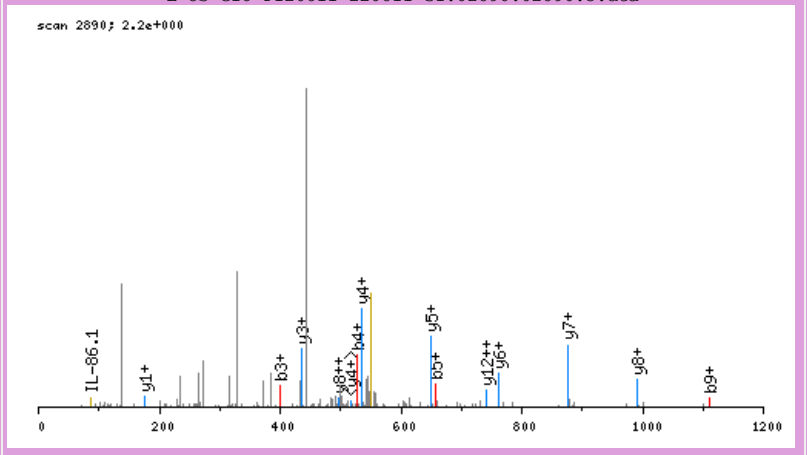
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
172.1298	1	H	14		
269.1826	2	P	13	1628.7630	814.8854
398.2252	3	E	12	1531.7103	766.3590
561.2885	4	Y	11	1402.6677	701.8378
676.3154	5	D	10	1239.6043	620.3061
839.3788	6	Y	9	1124.5774	562.7926
926.4108	7	S	8	**961.5141**	481.2610
1040.4537	8	N	7	**874.4820**	437.7449
1155.4807	9	D	6	**760.4391**	380.7235
1268.5647	10	L	5	**645.4122**	323.2100
1399.6052	11	M	4	**532.3281**	266.6680
1512.6893	12	L	3	**401.2876**	**201.1477**
1625.7733	13	L	2	**288.2036**	**144.6057**
	14	R	1	**175.1195**	88.0637

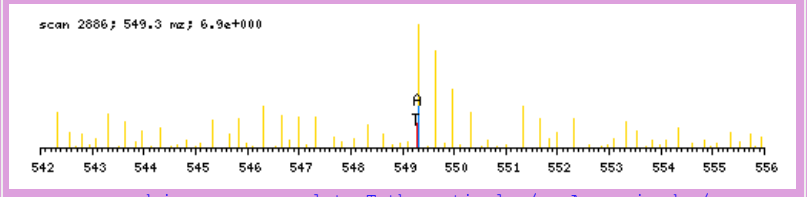
N-term:+35.07

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

HPHQQIDLNVTCR, MH+ 1645.8232, m/z 549.2793
L OS G18 P120811 220811-s1.02890.02890.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



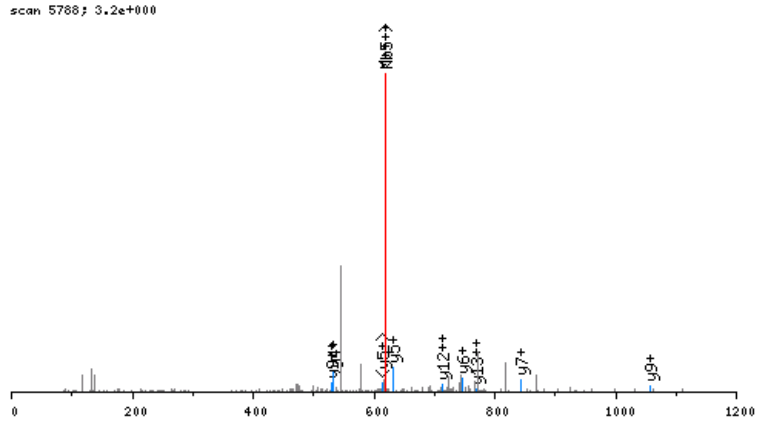
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	13		
263.1508	2	P	12	1480.7330	**740.8704**
400.2097	3	H	11	1383.6803	692.3440
528.2683	4	Q	10	1246.6213	623.8146
656.3268	5	Q	9	1118.5628	559.7853
769.4109	6	I	8	**990.5042**	**495.7560**
884.4378	7	D	7	**877.4201**	439.2140
997.5219	8	L	6	**762.3932**	381.7005
1111.5648	9	N	5	**649.3091**	325.1585
1210.6333	10	V	4	**535.2662**	268.1370
1311.6809	11	T	3	**436.1978**	218.6028
1471.7115	12	C	2	335.1501	168.0790
	13	R	1	**175.1195**	88.0637

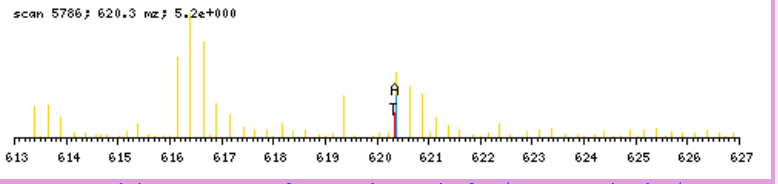
N-term:+29.04 C(12):+160.03

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

HQDLDKFIKVNPDVLTNNQR, MH+ 2478.3469, m/z 620.3422
L OS G18 P120811 220811-s1.05788.05788.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



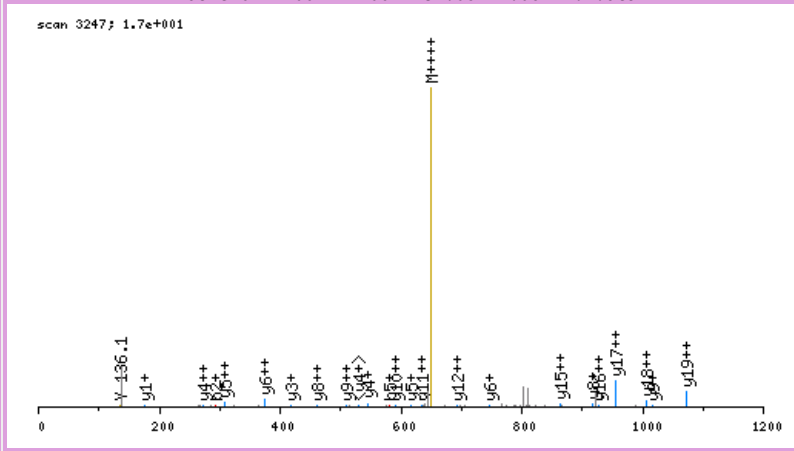
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	20		
294.1566	2	Q	19	2313.2567	1157.1323
409.1835	3	D	18	2185.1982	1093.1030
522.2676	4	L	17	2070.1712	1035.5895
637.2945	5	D	16	1957.0872	979.0475
793.4208	6	K	15	1842.0602	921.5340
940.4893	7	F	14	1685.9339	843.4709
1053.5733	8	I	13	1538.8655	**769.9367**
1209.6996	9	K	12	1425.7814	**713.3946**
1308.7680	10	V	11	1269.6551	635.3315
1422.8110	11	N	10	1170.5867	585.7973
1519.8637	12	P	9	**1056.5438**	**528.7758**
1634.8907	13	D	8	959.4910	480.2494
1733.9591	14	V	7	**844.4641**	422.7360
1847.0431	15	L	6	**745.3957**	373.2018
1948.0908	16	T	5	**632.3116**	316.6597
2062.1337	17	N	4	**531.2639**	266.1359
2176.1767	18	N	3	417.2210	209.1144
2304.2353	19	Q	2	303.1781	152.0930
	20	R	1	175.1195	88.0637

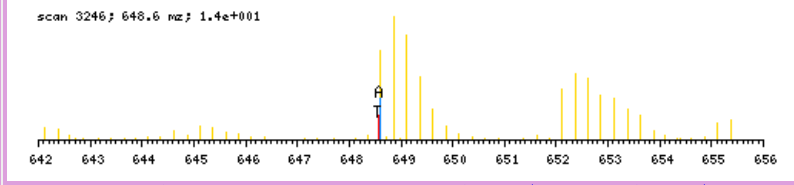
N-term:+29.04 K(6):+156.13
K(9):+156.13

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

HQGVMVGMGQKDSYVGDEAQSKR, MH+ 2591.2711, m/z 648.5732
L OS G18 P120811 220811-s1.03247.03247.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



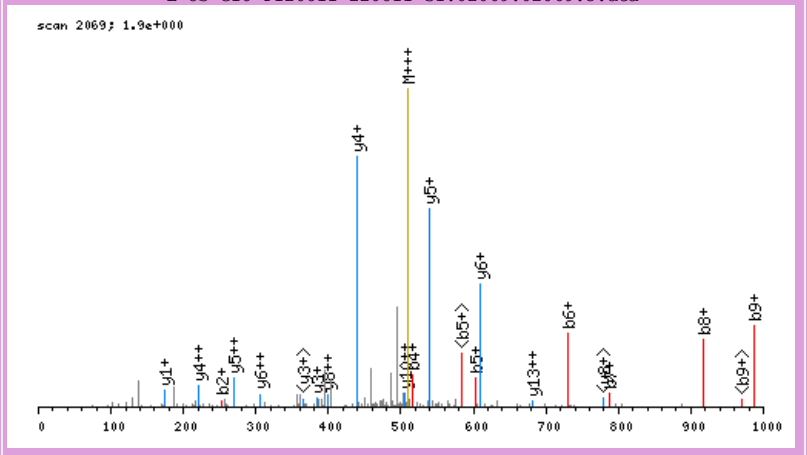
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	23		
294.1566	2	Q	22	2426.1809	1213.5944
351.1781	3	G	21	2298.1223	1149.5651
450.2465	4	V	20	2241.1008	1121.0543
581.2870	5	M	19	2142.0324	**1071.5201**
680.3554	6	V	18	2010.9919	**1005.9999**
737.3768	7	G	17	1911.9235	**956.4657**
868.4173	8	M	16	1854.9021	**927.9549**
925.4388	9	G	15	1723.8616	**862.4347**
1053.4974	10	Q	14	1666.8401	833.9240
1209.6237	11	K	13	1538.7815	769.8947
1324.6506	12	D	12	1382.6552	**691.8315**
1411.6826	13	S	11	1267.6283	**634.3181**
1574.7460	14	Y	10	1180.5963	**590.8020**
1673.8144	15	V	9	**1017.5329**	**509.2704**
1730.8358	16	G	8	**918.4645**	**459.7362**
1845.8628	17	D	7	861.4431	431.2254
1974.9054	18	E	6	**746.4161**	**373.7120**
2045.9425	19	A	5	**617.3735**	**309.1907**
2174.0011	20	Q	4	**546.3364**	**273.6721**
2261.0331	21	S	3	**418.2778**	209.6428
2417.1594	22	K	2	331.2458	166.1268
	23	R	1	**175.1195**	88.0637

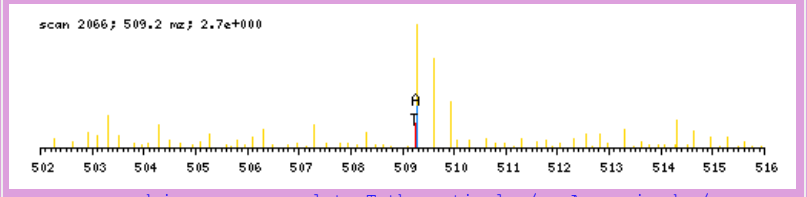
N-term:+29.04 K(11):+156.13
K(22):+156.13

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

HSDFSEGQAVGAHR, MH+ 1525.7148, m/z 509.2431
L OS G18 P120811 220811-s1.02069.02069.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



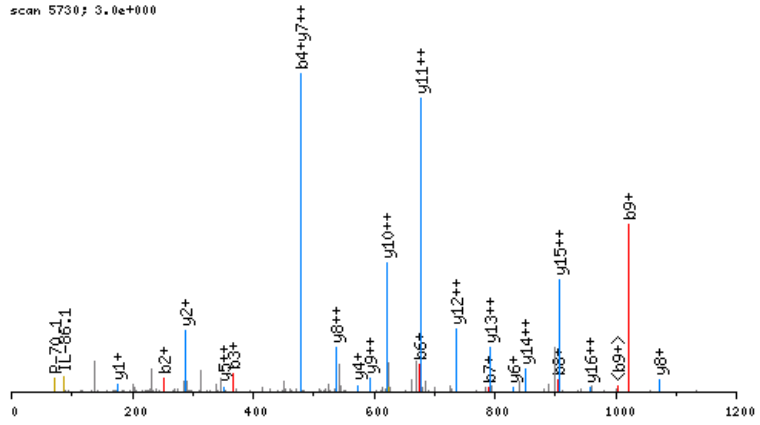
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
253.1300	2	S	13	1360.6246	**680.8162**
368.1570	3	D	12	1273.5925	637.3002
515.2254	4	F	11	1158.5656	579.7867
602.2574	5	S	10	1011.4972	**506.2525**
731.3000	6	E	9	924.4652	462.7365
788.3215	7	G	8	795.4226	**398.2152**
916.3801	8	Q	7	738.4011	369.7045
987.4172	9	A	6	**610.3425**	**305.6752**
1086.4856	10	V	5	**539.3054**	**270.1566**
1143.5071	11	G	4	**440.2370**	**220.6224**
1214.5442	12	A	3	**383.2155**	192.1117
1351.6031	13	H	2	312.1784	156.5931
	14	R	1	**175.1195**	88.0637

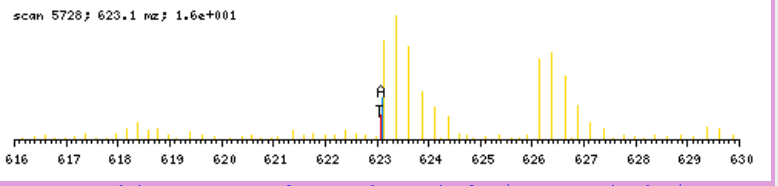
N-term:+29.04

HSILPVDDDINGLNEEQKQLR, MH+ 2489.3000, m/z 623.0805
L OS G17 P120811 220811-s1.05730.05730.4.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±]



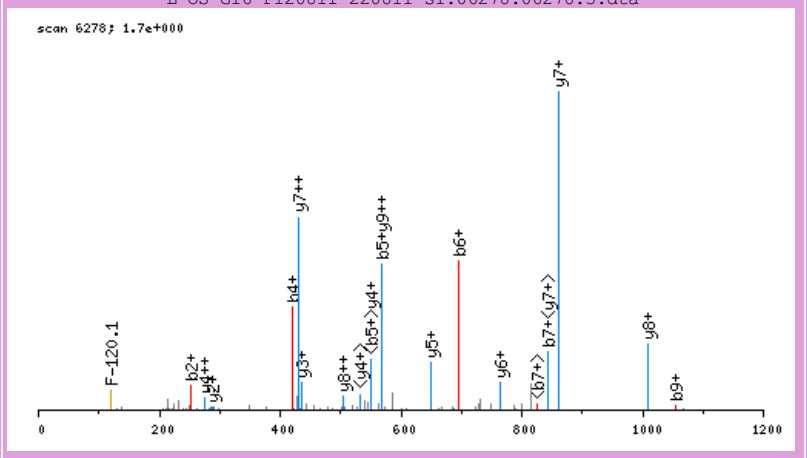
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	21		
253.1300	2	S	20	2324.2098	1162.6088
366.2141	3	I	19	2237.1778	1119.0928
479.2982	4	L	18	2124.0937	1062.5508
576.3509	5	P	17	2011.0097	1006.0087
675.4193	6	V	16	1913.9569	**957.4824**
790.4463	7	D	15	1814.8885	**907.9482**
905.4732	8	D	14	1699.8615	**850.4347**
1020.5002	9	D	13	1584.8346	**792.9212**
1133.5842	10	I	12	1469.8077	**735.4077**
1247.6272	11	N	11	1356.7236	**678.8657**
1304.6486	12	G	10	1242.6807	**621.8442**
1417.7327	13	L	9	1185.6592	**593.3335**
1531.7756	14	N	8	**1072.5751**	**536.7915**
1660.8182	15	E	7	958.5322	**479.7700**
1789.8608	16	E	6	**829.4896**	415.2487
1917.9194	17	Q	5	700.4470	**350.7274**
2074.0457	18	K	4	**572.3884**	286.6981
2202.1043	19	Q	3	416.2621	208.6350
2315.1883	20	L	2	**288.2036**	144.6057
	21	R	1	**175.1195**	88.0637

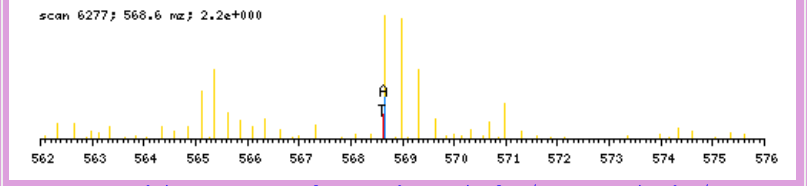
N-term:+29.04 K(18):+156.13

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

HSPAFQFPDVDFLR, MH+ 1703.8545, m/z 568.6230
L OS G16 P120811 220811-s1.06278.06278.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



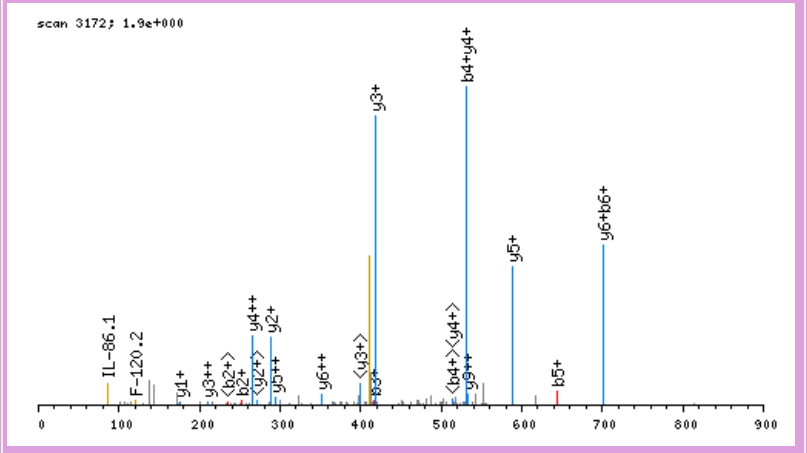
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

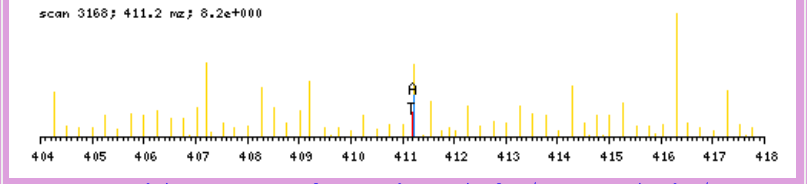
N-term:+29.04

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

HSYDLGIENR, MH+ 1231.6071, m/z 411.2072
L OS G17 P120811 220811-s1.03172.03172.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



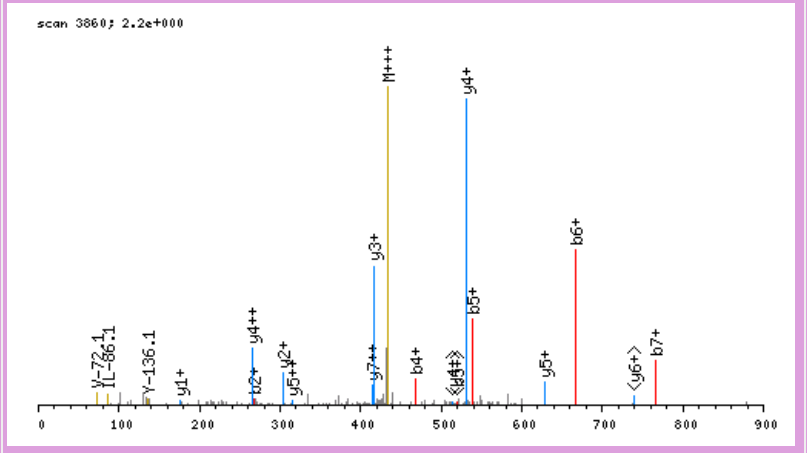
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	10		
253.1300	2	S	9	1066.5169	533.7624
416.1934	3	Y	8	979.4849	490.2464
531.2203	4	D	7	816.4216	408.7147
644.3044	5	L	6	701.3946	351.2012
701.3258	6	G	5	588.3105	294.6592
814.4099	7	I	4	531.2891	266.1485
943.4525	8	E	3	418.2050	209.6064
1057.4954	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

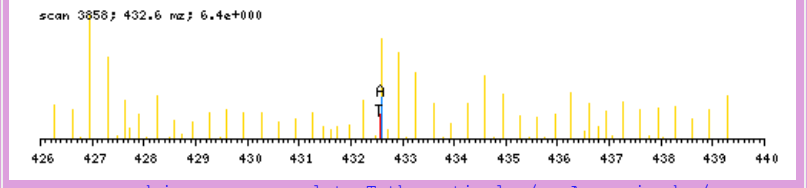
N-term:+29.04

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

HTEAAEVLLER, MH+ 1295.6959, m/z 432.5702
L OS G16 P120811 220811-s1.03860.03860.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



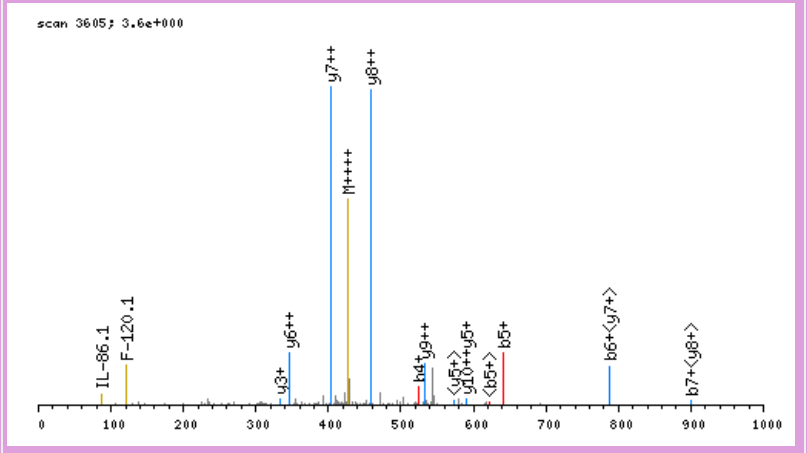
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	11		
267.1457	2	T	10	1130.6057	565.8068
396.1883	3	E	9	1029.5580	515.2829
467.2254	4	A	8	900.5155	450.7616
538.2625	5	A	7	829.4783	**415.2431**
667.3051	6	E	6	758.4412	379.7245
766.3735	7	V	5	**629.3986**	**315.2032**
879.4576	8	L	4	**530.3302**	**265.6690**
992.5416	9	L	3	**417.2462**	209.1270
1121.5842	10	E	2	**304.1621**	152.5850
	11	R	1	**175.1195**	88.0637

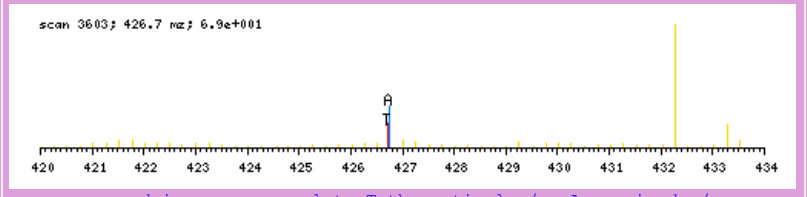
N-term:+29.04

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

HTEEDFIITTKTGR, MH+ 1703.8968, m/z 426.7297
L OS G17 P120811 220811-s1.03605.03605.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



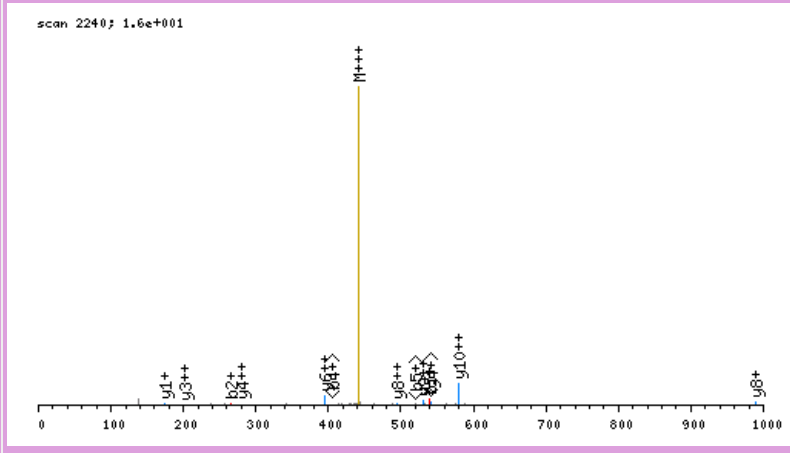
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

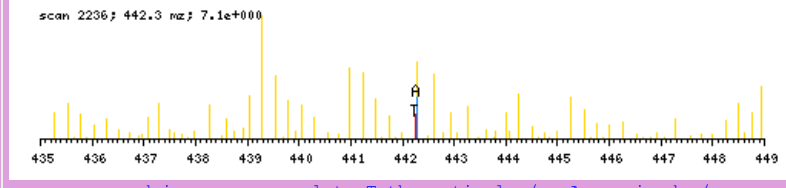
N-term:+29.04 K(11):+156.13

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

HVASDTEKIIR, MH+ 1324.7589, m/z 442.2578
L OS G18 P120811 220811-s1.02240.02240.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



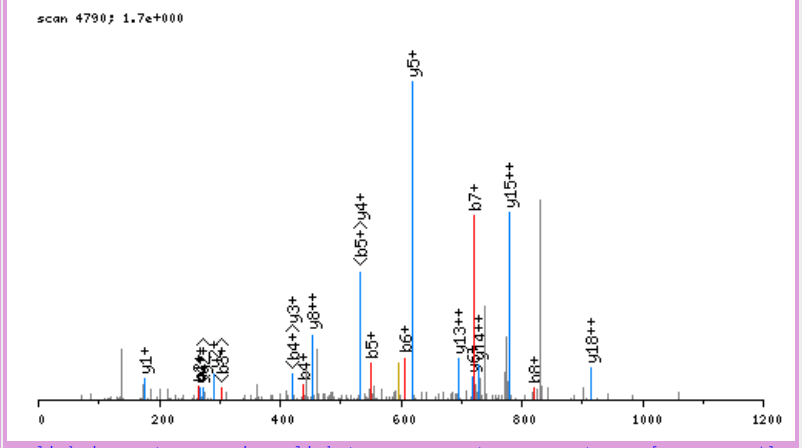
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	11		
265.1664	2	V	10	1159.6687	**580.3383**
336.2035	3	A	9	1060.6003	**530.8041**
423.2356	4	S	8	**989.5632**	**495.2855**
538.2625	5	D	7	902.5311	451.7695
639.3102	6	T	6	787.5042	**394.2560**
768.3528	7	E	5	686.4565	343.7322
924.4791	8	K	4	557.4139	**279.2109**
1037.5631	9	I	3	401.2876	**201.1477**
1150.6472	10	I	2	288.2036	144.6057
	11	R	1	**175.1195**	88.0637

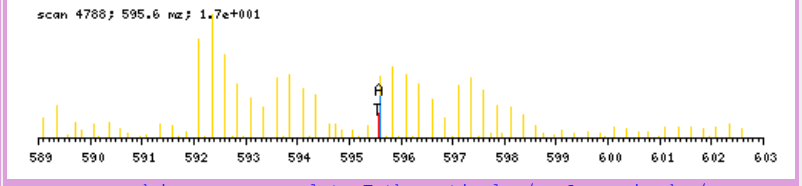
N-term:+29.04 K(8):+156.13

HVGDLGNVTAGKDGVANVSIEDR, MH+ 2379.2268, m/z 595.5622
L OS G17 P120811 220811-s1.04790.04790.4.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±]



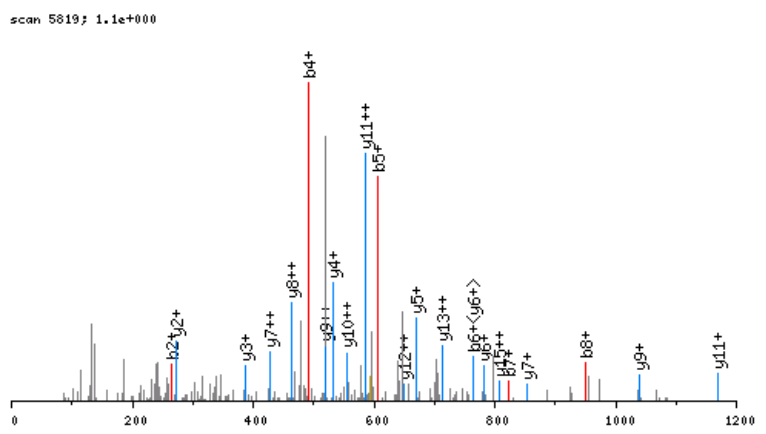
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	23		
265.1664	2	V	22	2214.1367	1107.5722
322.1879	3	G	21	2115.0682	1058.0380
437.2148	4	D	20	2058.0468	1029.5273
550.2989	5	L	19	1943.0198	972.0138
607.3204	6	G	18	1829.9358	**915.4718**
721.3633	7	N	17	1772.9143	886.9611
820.4317	8	V	16	1658.8714	829.9396
921.4794	9	T	15	1559.8030	**780.4054**
992.5165	10	A	14	1458.7553	**729.8816**
1049.5380	11	G	13	1387.7182	**694.3630**
1205.6643	12	K	12	1330.6967	665.8523
1320.6912	13	D	11	1174.5704	587.7891
1377.7127	14	G	10	1059.5435	530.2756
1476.7811	15	V	9	1002.5220	501.7649
1547.8182	16	A	8	903.4536	**452.2307**
1661.8611	17	N	7	832.4165	416.7121
1760.9295	18	V	6	**718.3735**	359.6907
1847.9616	19	S	5	**619.3051**	310.1565
1961.0456	20	I	4	**532.2731**	**266.6405**
2090.0882	21	E	3	**419.1890**	210.0984
2205.1152	22	D	2	**290.1464**	145.5771
	23	R	1	**175.1195**	88.0637

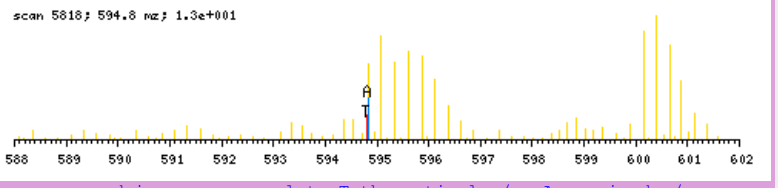
N-term:+29.04 K(12):+156.13

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

HVNLLCGEEQGADAALHFNPR, MH+ 2376.1518, m/z 594.7934
L OS G17 P120811 220811-s1.05819.05819.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



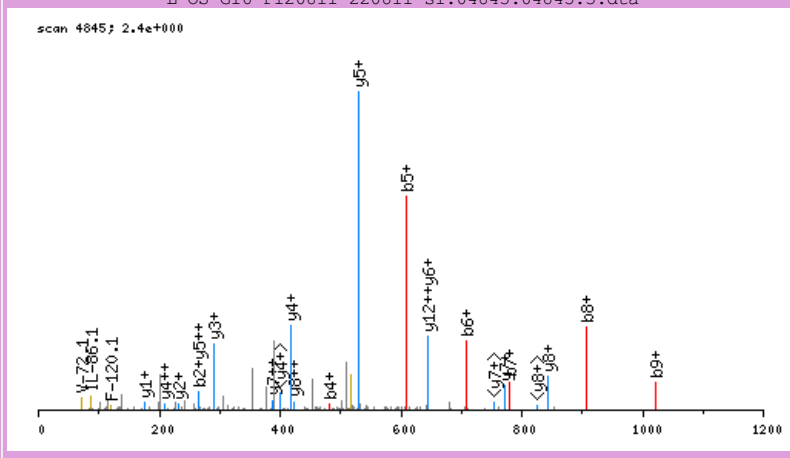
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	21		
265.1664	2	V	20	2211.0616	1106.0347
379.2094	3	N	19	2111.9932	1056.5005
492.2934	4	L	18	1997.9503	999.4791
605.3775	5	L	17	1884.8662	942.9370
765.4081	6	C	16	1771.7822	886.3950
822.4295	7	G	15	1611.7516	**806.3797**
951.4721	8	E	14	1554.7301	777.8690
1080.5147	9	E	13	1425.6875	**713.3477**
1208.5733	10	Q	12	1296.6449	**648.8264**
1265.5948	11	G	11	**1168.5863**	**584.7971**
1336.6319	12	A	10	1111.5649	**556.2863**
1451.6588	13	D	9	**1040.5278**	**520.7678**
1522.6959	14	A	8	925.5008	**463.2543**
1593.7331	15	A	7	**854.4637**	**427.7358**
1706.8171	16	L	6	**783.4266**	392.2172
1843.8760	17	H	5	**670.3425**	335.6752
1990.9444	18	F	4	**533.2836**	267.1457
2104.9874	19	N	3	**386.2152**	193.6115
2202.0401	20	P	2	**272.1723**	136.5900
	21	R	1	175.1195	88.0637

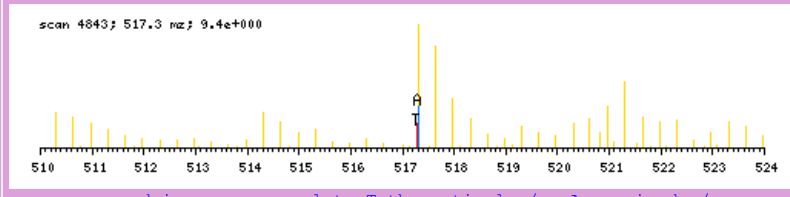
N-term:+29.04 C(6):+160.03

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

HVTNEVAQLIQGGR, MH+ 1549.8450, m/z 517.2865
L OS G16 P120811 220811-s1.04845.04845.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



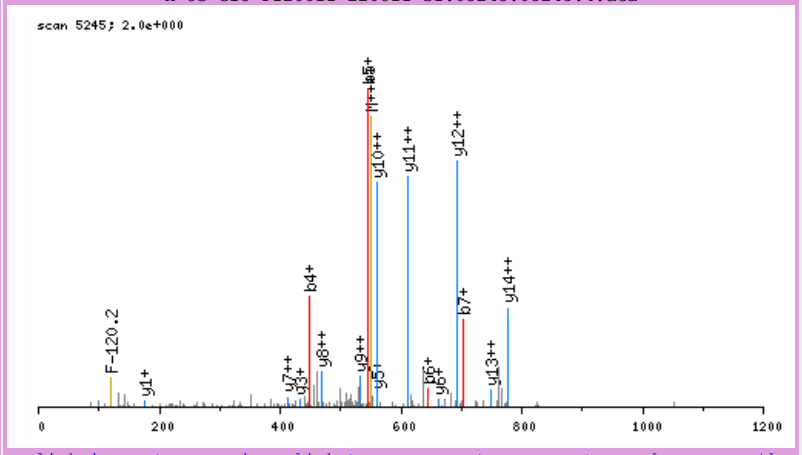
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.0980	1	H	14		
265.1664	2	V	13	1384.7549	692.8813
366.2141	3	T	12	1285.6864	643.3471
480.2570	4	N	11	1184.6388	592.8233
609.2996	5	E	10	1070.5958	535.8018
708.3680	6	V	9	941.5532	471.2805
779.4052	7	A	8	842.4848	421.7463
907.4637	8	Q	7	771.4477	386.2278
1020.5478	9	L	6	643.3891	322.1985
1133.6319	10	I	5	530.3051	265.6564
1261.6904	11	Q	4	417.2210	209.1144
1318.7119	12	G	3	289.1624	145.0851
1375.7334	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

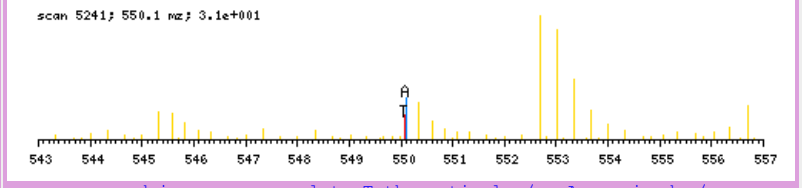
N-term:+29.04

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

IADLVVGLCTGQIKTGAPCR, MH+ 2197.2472, m/z 550.0673
H OS G15 P120811 220811-s1.05245.05245.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



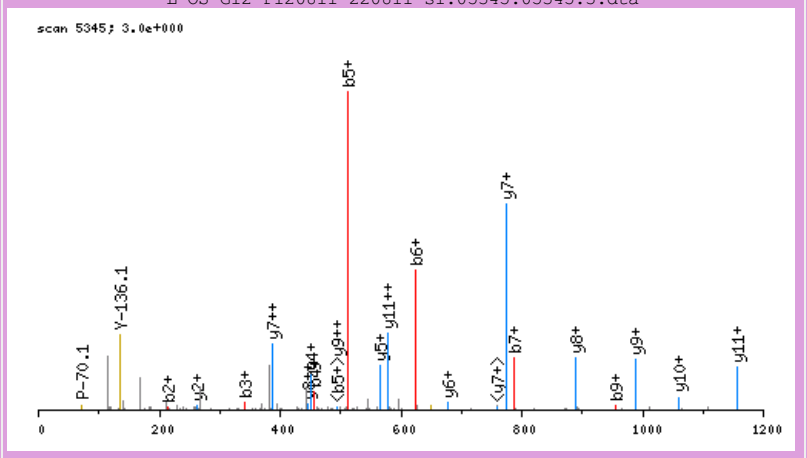
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	20		
219.1921	2	A	19	2050.1001	1025.5540
334.2190	3	D	18	1979.0630	990.0354
447.3031	4	L	17	1864.0360	932.5219
546.3715	5	V	16	1750.9520	875.9799
645.4399	6	V	15	1651.8835	826.4457
702.4614	7	G	14	1552.8151	**776.9115**
815.5454	8	L	13	1495.7937	**748.4007**
975.5760	9	C	12	1382.7096	**691.8587**
1076.6237	10	T	11	1222.6790	**611.8434**
1133.6452	11	G	10	1121.6313	**561.3196**
1261.7038	12	Q	9	1064.6099	**532.8088**
1374.7878	13	I	8	936.5513	**468.7796**
1536.9459	14	K	7	823.4672	**412.2375**
1637.9936	15	T	6	**661.3091**	331.1585
1695.0151	16	G	5	**560.2614**	280.6346
1766.0522	17	A	4	503.2400	252.1239
1863.1049	18	P	3	**432.2029**	216.6053
2023.1355	19	C	2	335.1501	168.0790
	20	R	1	**175.1195**	88.0637

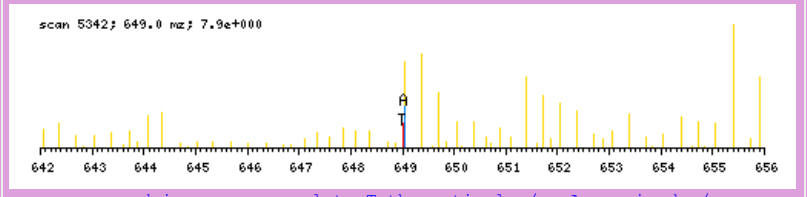
N-term:+35.07 C(9):+160.03
K(14):+162.16 C(19):+160.03

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

IAELGIYPAVDPLDSTSR, MH+ 1945.0282, m/z 649.0143
L OS G12 P120811 220811-s1.05345.05345.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



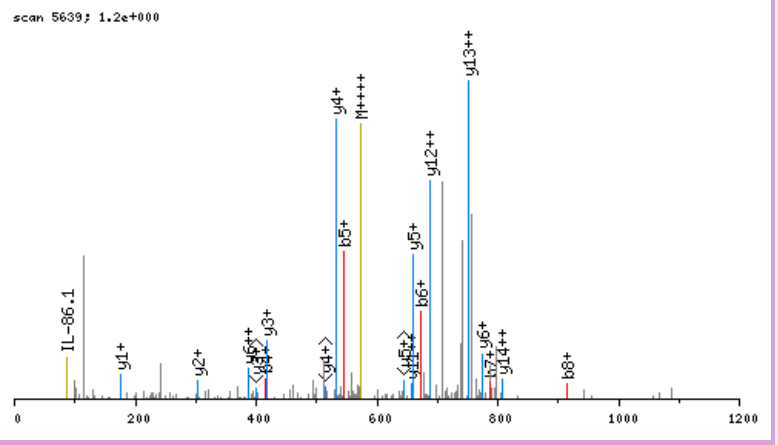
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	18		
213.1603	2	A	17	1803.9129	902.4603
342.2029	3	E	16	1732.8758	866.9418
455.2869	4	L	15	1603.8332	802.4205
512.3084	5	G	14	1490.7491	745.8785
625.3925	6	I	13	1433.7276	717.3677
788.4558	7	Y	12	1320.6436	660.8257
885.5086	8	P	11	**1157.5802**	**579.2940**
956.5457	9	A	10	**1060.5275**	530.7677
1055.6141	10	V	9	**989.4904**	**495.2491**
1170.6410	11	D	8	**890.4220**	**445.7149**
1267.6938	12	P	7	**775.3950**	**388.2014**
1380.7779	13	L	6	**678.3422**	339.6750
1495.8048	14	D	5	**565.2582**	283.1330
1582.8368	15	S	4	**450.2312**	225.6195
1683.8845	16	T	3	363.1992	182.1035
1770.9165	17	S	2	**262.1515**	131.5797
	18	R	1	175.1195	88.0637

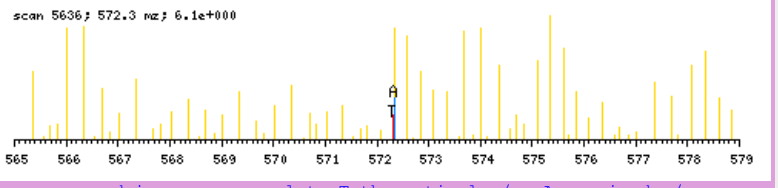
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [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

IASDEEIQGTKDAVIQDLER, MH+ 2286.1829, m/z 572.3012
L OS G15 P120811 220811-s1.05639.05639.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



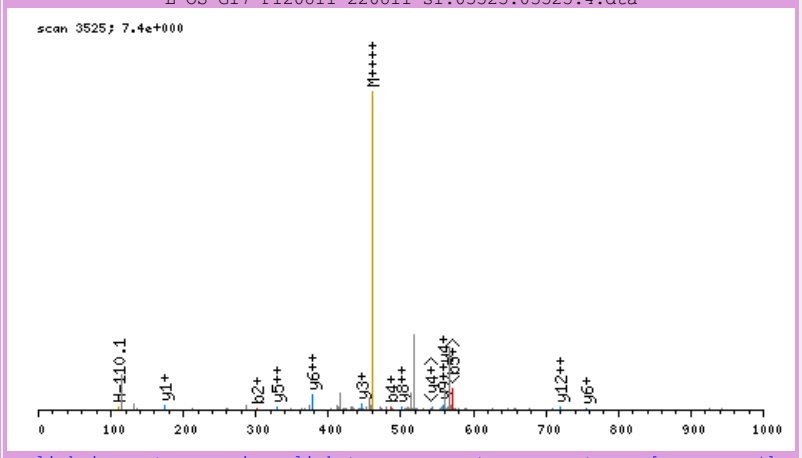
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	20		
213.1603	2	A	19	2145.0676	1073.0377
300.1923	3	S	18	2074.0305	1037.5191
415.2192	4	D	17	1986.9984	994.0031
544.2618	5	E	16	1871.9715	936.4897
673.3044	6	E	15	1742.9289	871.9684
786.3885	7	I	14	1613.8863	**807.4471**
914.4471	8	Q	13	1500.8022	**750.9050**
971.4685	9	G	12	1372.7437	**686.8757**
1072.5162	10	T	11	1315.7222	**658.3650**
1228.6425	11	K	10	1214.6745	607.8412
1343.6695	12	D	9	1058.5482	529.7780
1414.7066	13	A	8	943.5213	472.2645
1513.7750	14	V	7	872.4842	436.7460
1626.8591	15	I	6	**773.4157**	**387.2118**
1754.9176	16	Q	5	**660.3317**	330.6698
1869.9446	17	D	4	**532.2731**	266.6405
1983.0286	18	L	3	**417.2462**	209.1270
2112.0712	19	E	2	**304.1621**	152.5850
	20	R	1	**175.1195**	88.0637

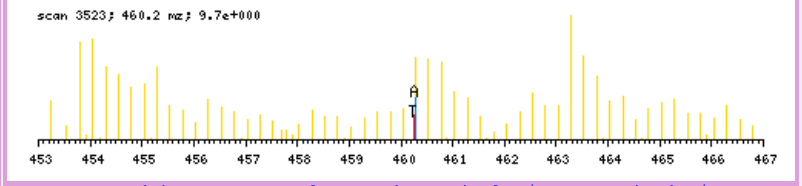
N-term:+29.04 K(11):+156.13

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

ICPSTHNMDVPNIKR, MH+ 1837.9416, m/z 460.2409
L OS G17 P120811 220811-s1.03525.03525.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



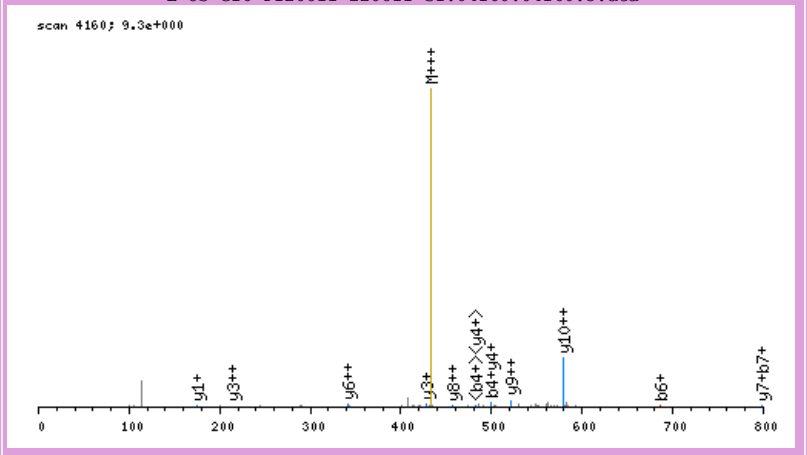
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	15		
302.1538	2	C	14	1696.8263	848.9171
399.2065	3	P	13	1536.7957	768.9018
486.2386	4	S	12	1439.7429	**720.3754**
587.2862	5	T	11	1352.7109	676.8594
724.3451	6	H	10	1251.6632	626.3355
838.3881	7	N	9	1114.6043	**557.8061**
969.4286	8	M	8	1000.5614	**500.7846**
1084.4555	9	D	7	869.5209	435.2644
1183.5239	10	V	6	**754.4940**	**377.7509**
1280.5767	11	P	5	655.4256	**328.2167**
1394.6196	12	N	4	**558.3728**	279.6903
1507.7037	13	I	3	**444.3299**	222.6688
1663.8300	14	K	2	331.2458	166.1268
	15	R	1	**175.1195**	88.0637

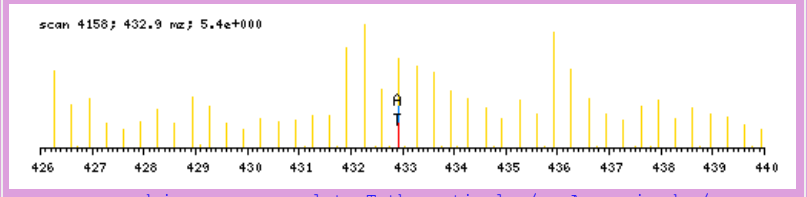
N-term:+29.04 C(2):+160.03
K(14):+156.13

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

IDELDAIAPKR, MH+ 1296.7527, m/z 432.9224
L OS G16 P120811 220811-s1.04160.04160.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



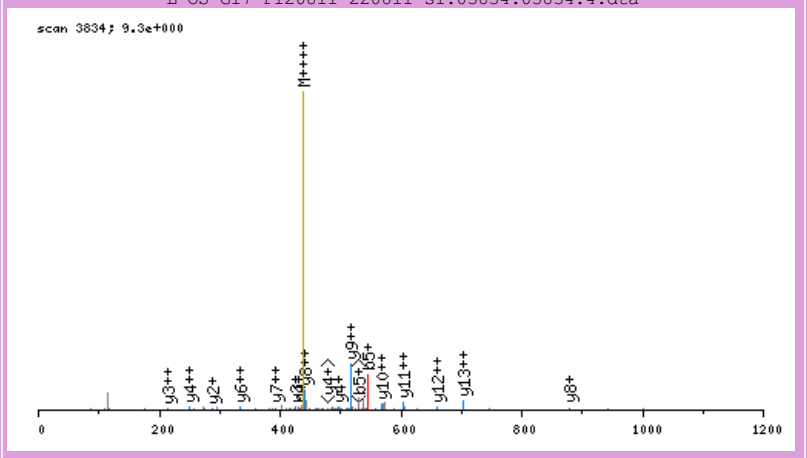
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	11		
257.1501	2	D	10	1155.6374	**578.3226**
386.1927	3	E	9	1040.6105	**520.8091**
499.2768	4	L	8	911.5679	**456.2878**
614.3037	5	D	7	**798.4838**	399.7458
685.3408	6	A	6	683.4569	**342.2323**
798.4249	7	I	5	612.4197	306.7138
869.4620	8	A	4	**499.3357**	250.1718
966.5148	9	P	3	**428.2986**	**214.6532**
1122.6411	10	K	2	331.2458	166.1268
	11	R	1	**175.1195**	88.0637

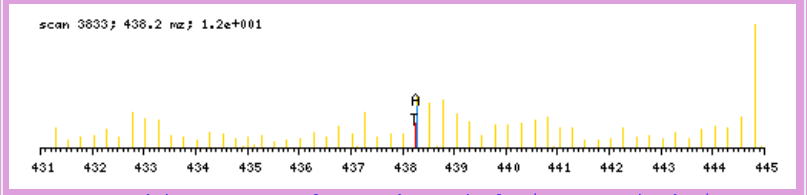
N-term:+29.04 K(10):+156.13

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

IDSSDAVKPDGIAHIR, MH+ 1749.9499, m/z 438.2429
L OS G17 P120811 220811-s1.03834.03834.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



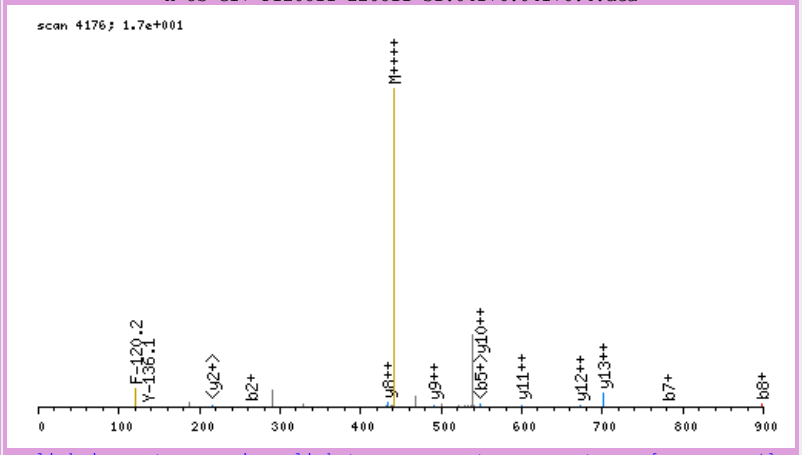
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
257.1501	2	D	15	1608.8346	804.9212
344.1821	3	S	14	1493.8077	747.4077
431.2142	4	S	13	1406.7756	**703.8917**
546.2411	5	D	12	1319.7436	**660.3757**
617.2782	6	A	11	1204.7167	**602.8622**
716.3466	7	V	10	1133.6795	**567.3437**
872.4729	8	K	9	1034.6111	**517.8095**
969.5257	9	P	8	**878.4848**	**439.7463**
1084.5526	10	D	7	781.4321	**391.2199**
1141.5741	11	G	6	666.4051	**333.7065**
1254.6582	12	I	5	609.3837	305.1957
1325.6953	13	A	4	**496.2996**	**248.6537**
1462.7542	14	H	3	**425.2625**	**213.1352**
1575.8383	15	I	2	**288.2036**	144.6057
	16	R	1	175.1195	88.0637

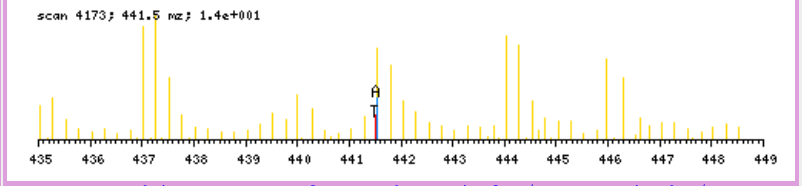
N-term:+29.04 K(8):+156.13

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

IDVGFTDDVKKGGPGR, MH+ 1763.0552, m/z 441.5193
H OS G17 P120811 220811-s1.04176.04176.4.dta



click image to zoom in; click top corners to zoom out [precursor‡]

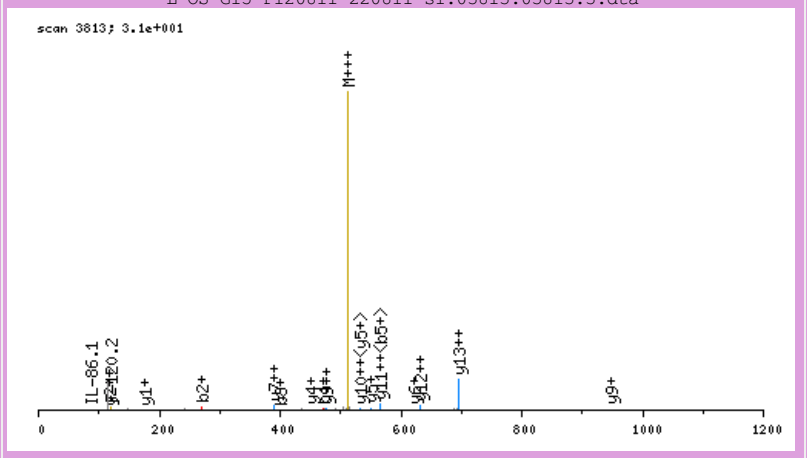


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

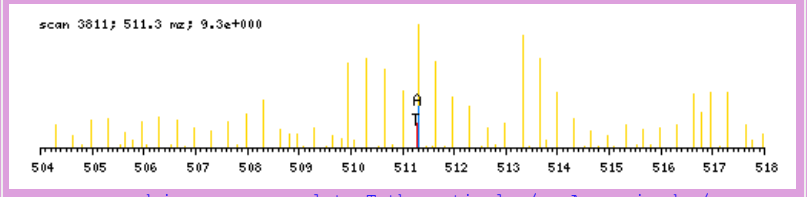
b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
263.1819	2	D	15	1615.9081	808.4579
362.2503	3	V	14	1500.8811	750.9445
419.2718	4	G	13	1401.8127	**701.4103**
566.3402	5	F	12	1344.7912	**672.8995**
667.3879	6	T	11	1197.7228	**599.3653**
782.4148	7	D	10	1096.6752	**548.8415**
897.4418	8	D	9	981.6482	**491.3280**
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

IEEALGDKAVFAGR, MH+ 1531.8484, m/z 511.2877
L OS G15 P120811 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

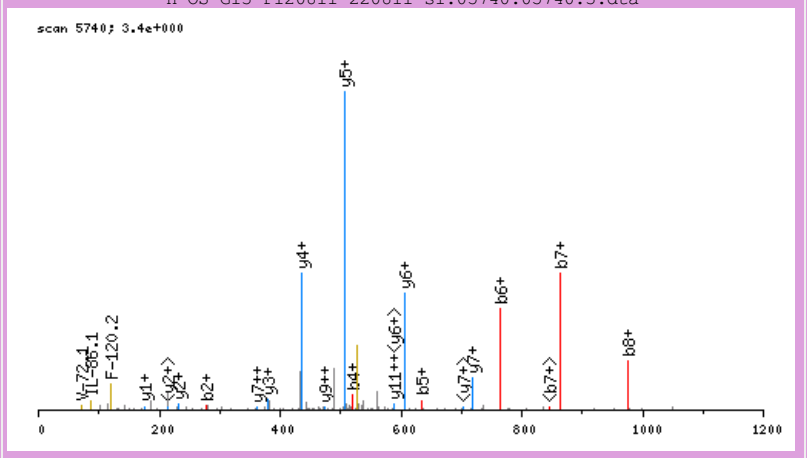
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b+	#	AA	#	y+	y2+
142.1232	1	I	14		
271.1658	2	E	13	1390.7331	**695.8705**
400.2084	3	E	12	1261.6905	**631.3492**
471.2455	4	A	11	1132.6479	**566.8279**
584.3295	5	L	10	1061.6108	**531.3093**
641.3510	6	G	9	**948.5267**	**474.7673**
756.3779	7	D	8	891.5053	446.2565
912.5042	8	K	7	776.4783	**388.7431**
983.5413	9	A	6	**620.3520**	310.6799
1082.6098	10	V	5	**549.3149**	275.1614
1229.6782	11	F	4	**450.2465**	225.6272
1300.7153	12	A	3	303.1781	152.0930
1357.7368	13	G	2	232.1410	**116.5744**
	14	R	1	**175.1195**	88.0637

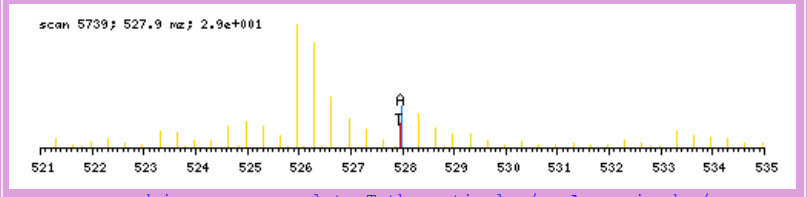
N-term:+29.04 K(8):+156.13

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

IEENDEVLVAGFGR, MH+ 1581.8336, m/z 527.9494
H OS G13 P120811 220811-s1.05740.05740.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



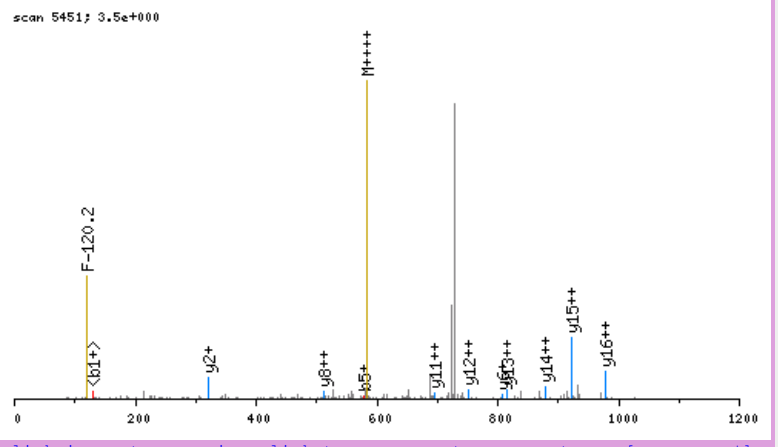
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

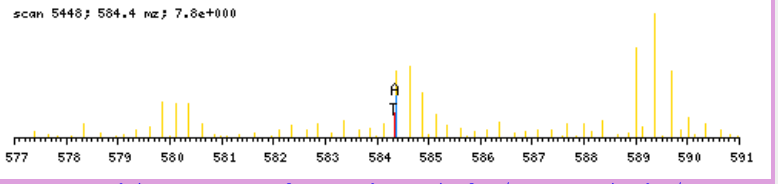
N-term:+35.07

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

IETLSQQLQAKGKELNEFR, MH+ 2334.3882, m/z 584.3525
H OS G16 P120811 220811-s1.05451.05451.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



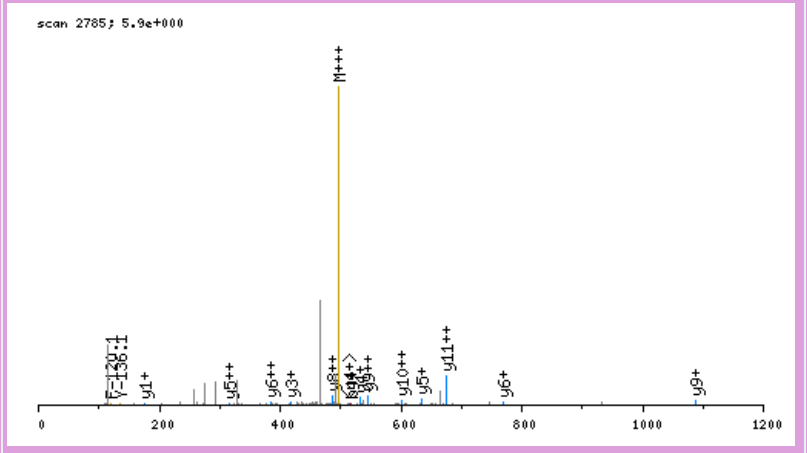
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

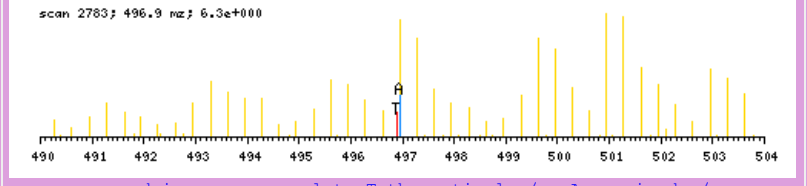
N-term:+35.07 K(11):+162.16
K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

IFIDSDHTDNQR, MH+ 1488.7083, m/z 496.9076
L OS G16 P120811 220811-s1.02785.02785.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



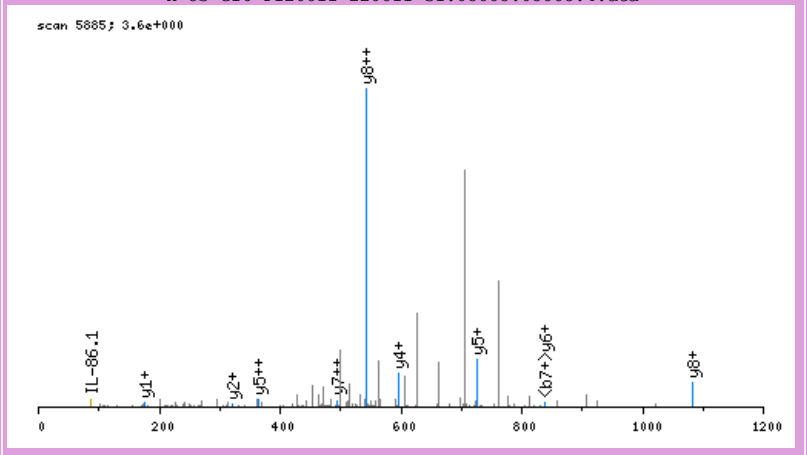
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	12		
289.1916	2	F	11	1347.5929	**674.3004**
402.2756	3	I	10	1200.5245	**600.7662**
517.3026	4	D	9	**1087.4405**	**544.2241**
604.3346	5	S	8	972.4135	**486.7107**
719.3616	6	D	7	885.3815	443.1947
856.4205	7	H	6	**770.3545**	**385.6812**
957.4681	8	T	5	**633.2956**	**317.1517**
1072.4951	9	D	4	**532.2479**	266.6279
1186.5380	10	N	3	**417.2210**	209.1144
1314.5966	11	Q	2	303.1781	152.0930
	12	R	1	**175.1195**	88.0637

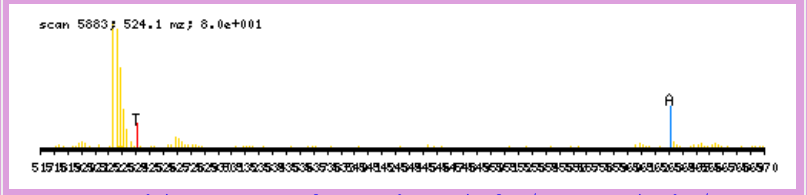
N-term:+29.04

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

IFQTTTERPFIQKLFR, MH+ 2093.2548, m/z 524.0691
H OS G16 P120811 220811-s1.05885.05885.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



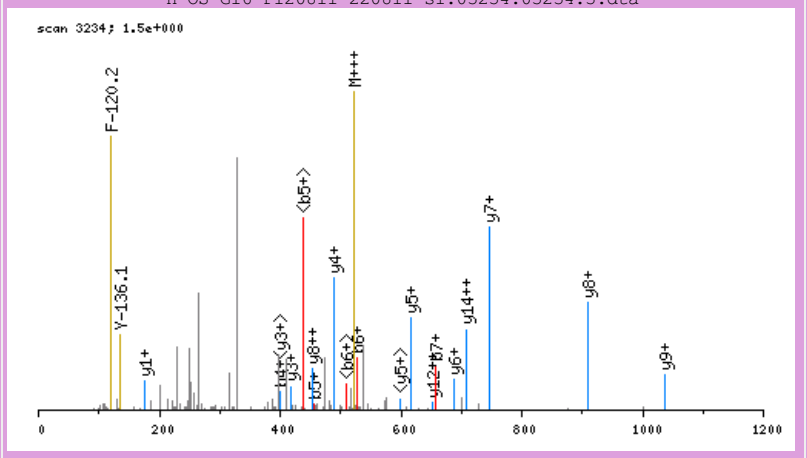
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	16		
295.2234	2	F	15	1946.1076	973.5577
423.2820	3	Q	14	1799.0392	900.0235
524.3296	4	T	13	1670.9806	835.9942
625.3773	5	T	12	1569.9330	785.4704
726.4250	6	T	11	1468.8853	734.9466
855.4676	7	E	10	1367.8376	684.4227
1011.5687	8	R	9	1238.7950	619.9014
1108.6215	9	P	8	**1082.6939**	**541.8509**
1255.6899	10	F	7	985.6411	**493.3245**
1368.7739	11	I	6	**838.5727**	419.7903
1496.8325	12	Q	5	**725.4887**	**363.2482**
1658.9906	13	K	4	**597.4301**	299.2190
1772.0747	14	L	3	435.2720	218.1399
1919.1431	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

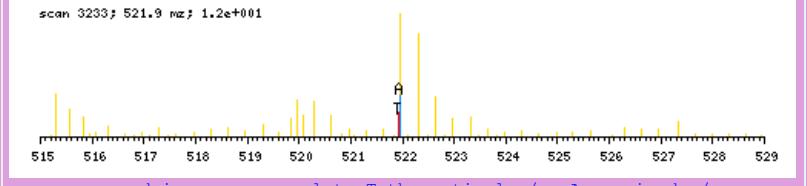
N-term:+35.07 K(13):+162.16

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

IGGHGAEYGAEALER, MH+ 1563.7979, m/z 521.9375
H OS G16 P120811 220811-s1.03234.03234.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



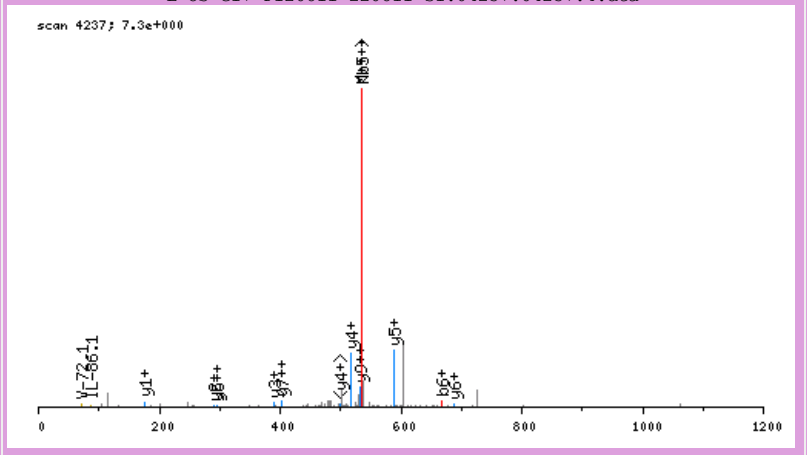
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

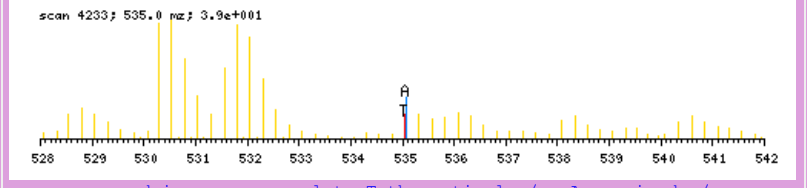
N-term:+35.07

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

IIAAKDHASIQMNVAEVDR, MH+ 2137.1440, m/z 535.0414
L OS G17 P120811 220811-s1.04237.04237.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



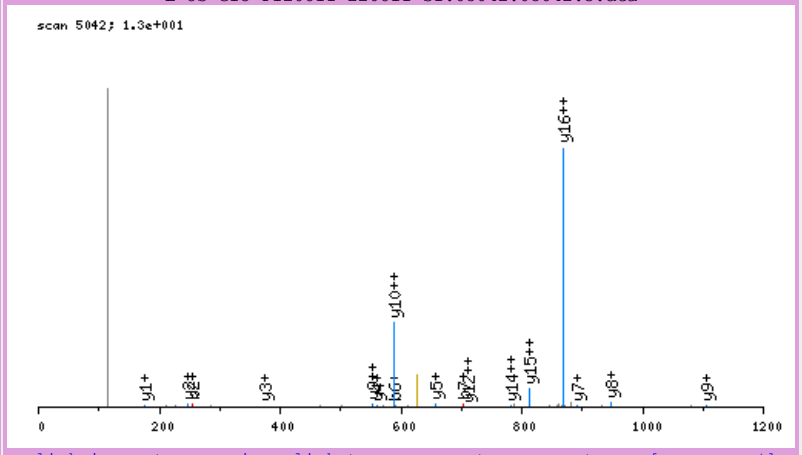
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	19		
255.2072	2	I	18	1996.0286	998.5182
326.2443	3	A	17	1882.9446	941.9762
397.2815	4	A	16	1811.9074	906.4576
553.4078	5	K	15	1740.8703	870.9391
668.4347	6	D	14	1584.7440	792.8759
805.4936	7	H	13	1469.7171	735.3625
876.5307	8	A	12	1332.6582	666.8330
963.5628	9	S	11	1261.6211	631.3144
1076.6468	10	I	10	1174.5890	587.7984
1204.7054	11	Q	9	1061.5050	**531.2564**
1335.7459	12	M	8	933.4464	467.2271
1449.7888	13	N	7	802.4059	**401.7069**
1548.8572	14	V	6	**688.3630**	344.6854
1619.8943	15	A	5	**589.2946**	**295.1512**
1748.9369	16	E	4	**518.2575**	259.6326
1848.0053	17	V	3	**389.2149**	195.1113
1963.0323	18	D	2	**290.1464**	145.5771
	19	R	1	**175.1195**	88.0637

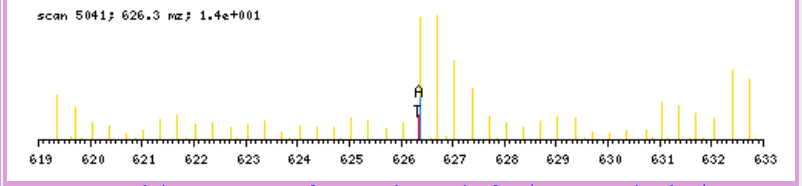
N-term:+29.04 K(5):+156.13

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

IIGGSMDAKGSFPWQAK, MH+ 1876.9996, m/z 626.3380
L OS G15 P120811 220811-s1.05042.05042.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



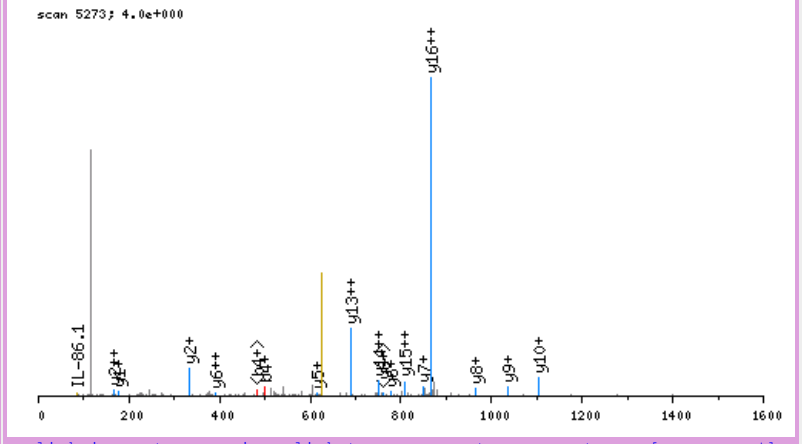
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

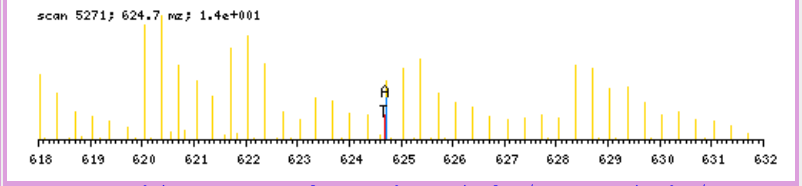
N-term:+29.04 K(9):+156.13
K(17):+156.13

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

IINEPTAAAIAYGLDKK, MH+ 1872.0847, m/z 624.6997
L OS G15 P120811 220811-s1.05273.05273.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



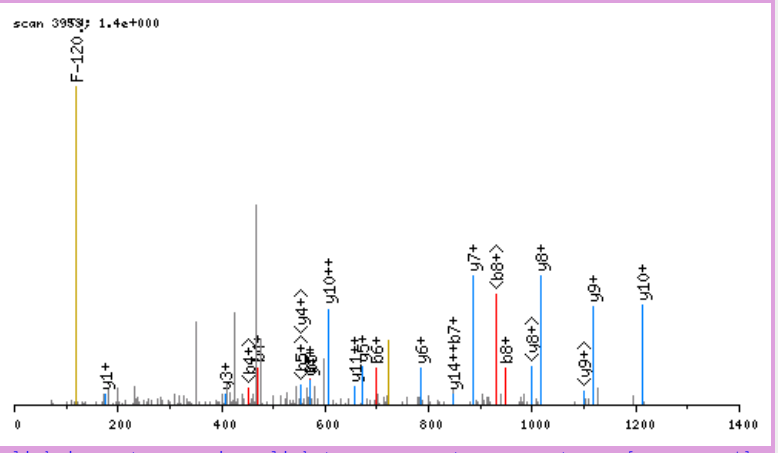
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	17		
255.2072	2	I	16	1730.9693	**865.9886**
369.2502	3	N	15	1617.8853	**809.4465**
498.2927	4	E	14	1503.8423	**752.4251**
595.3455	5	P	13	1374.7998	**687.9038**
696.3932	6	T	12	1277.7470	639.3774
767.4303	7	A	11	1176.6993	588.8536
838.4674	8	A	10	**1105.6622**	553.3350
909.5045	9	A	9	**1034.6251**	517.8165
1022.5886	10	I	8	**963.5880**	482.2979
1093.6257	11	A	7	**850.5039**	425.7559
1256.6890	12	Y	6	**779.4668**	**390.2373**
1313.7105	13	G	5	**616.4035**	308.7056
1426.7946	14	L	4	559.3820	280.1949
1541.8215	15	D	3	446.2979	223.6529
1697.9478	16	K	2	**331.2710**	**166.1394**
	17	K	1	**175.1447**	88.0763

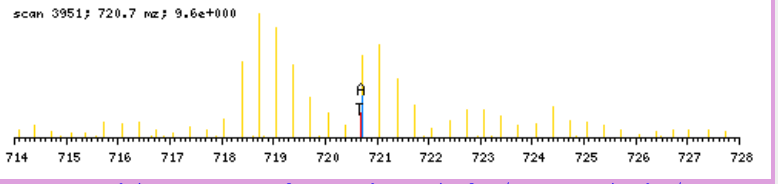
N-term:+29.04 K(16):+156.13
K(17):+156.13

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 G15 P120811 220811-s1.03953.03953.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



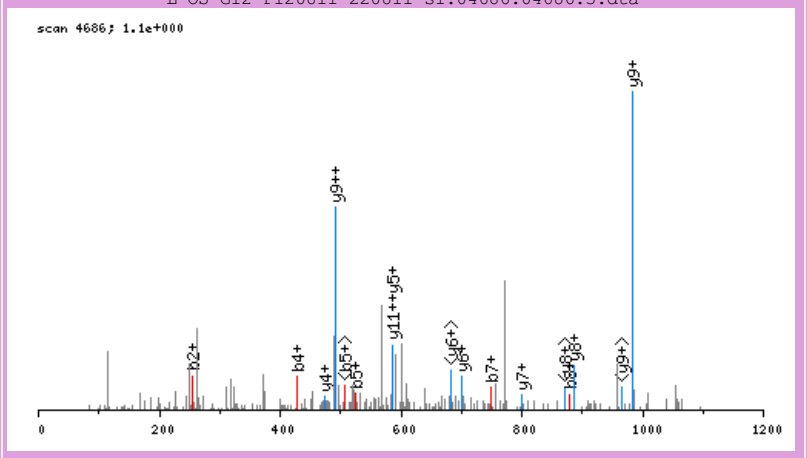
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

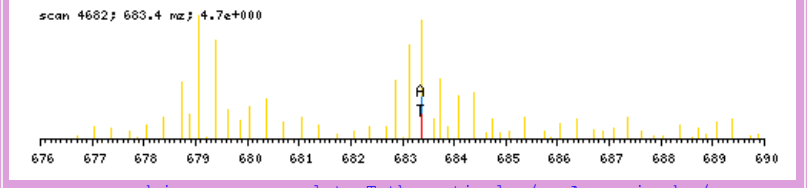
N-term:+35.07 C(17):+160.03

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

ILATPPQEDAPSVDIANIR, MH+ 2048.1028, m/z 683.3724
L OS G12 P120811 220811-s1.04686.04686.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



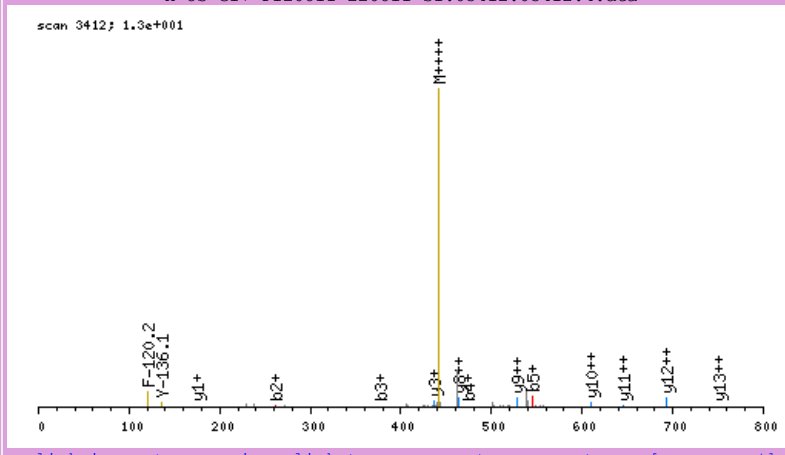
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	19		
255.2072	2	L	18	1906.9874	953.9976
326.2443	3	A	17	1793.9034	897.4556
427.2920	4	T	16	1722.8663	861.9370
524.3448	5	P	15	1621.8186	811.4132
621.3975	6	P	14	1524.7658	762.8868
749.4561	7	Q	13	1427.7130	714.3604
878.4987	8	E	12	1299.6545	650.3311
993.5257	9	D	11	1170.6119	**585.8099**
1064.5628	10	A	10	1055.5849	528.2964
1161.6155	11	P	9	**984.5478**	**492.7778**
1248.6476	12	S	8	**887.4951**	444.2514
1347.7160	13	V	7	**800.4630**	400.7354
1462.7429	14	D	6	**701.3946**	351.2012
1575.8270	15	I	5	**586.3677**	293.6877
1646.8641	16	A	4	**473.2836**	237.1457
1760.9070	17	N	3	402.2465	201.6272
1873.9911	18	I	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

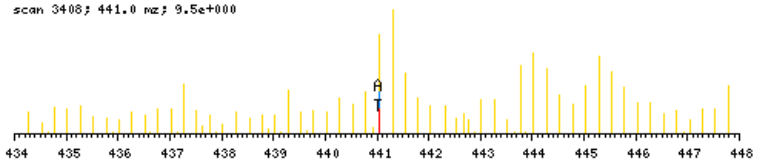
N-term:+29.04

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

ILDPAYQVDKGGKVR, MH+ 1761.1123, m/z 441.0335
H OS G17 P120811 220811-s1.03412.03412.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



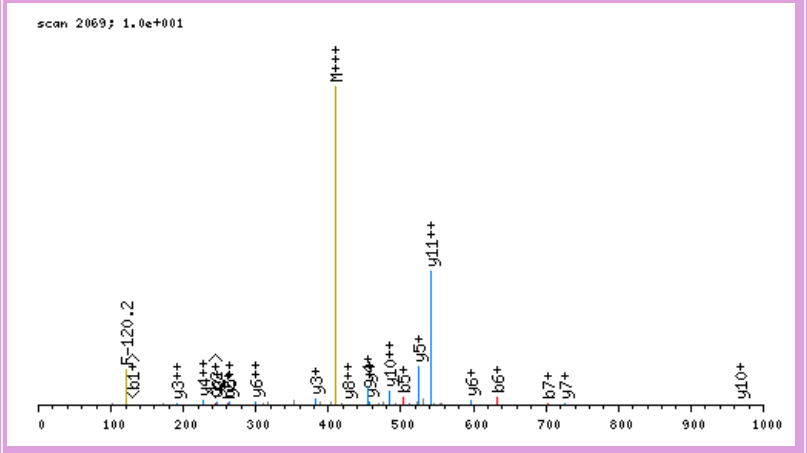
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	15		
261.2390	2	L	14	1613.9652	807.4865
376.2660	3	D	13	1500.8811	750.9445
473.3187	4	P	12	1385.8542	693.4310
544.3558	5	A	11	1288.8014	644.9046
707.4192	6	Y	10	1217.7643	609.3861
835.4778	7	Q	9	1054.7010	527.8544
934.5462	8	V	8	926.6424	463.8251
1049.5731	9	D	7	827.5740	414.2909
1211.7312	10	K	6	712.5470	356.7774
1268.7527	11	G	5	550.3889	275.6984
1325.7741	12	G	4	493.3675	247.1877
1487.9322	13	K	3	436.3460	218.6769
1587.0007	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

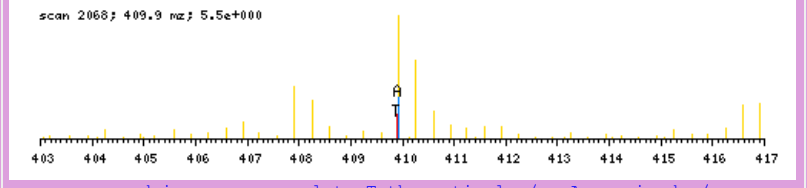
N-term:+35.07 K(10):+162.16
K(13):+162.16

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

ILGGQEAAAHAR, MH+ 1227.7022, m/z 409.9056
H OS G16 P120811 220811-s1.02069.02069.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



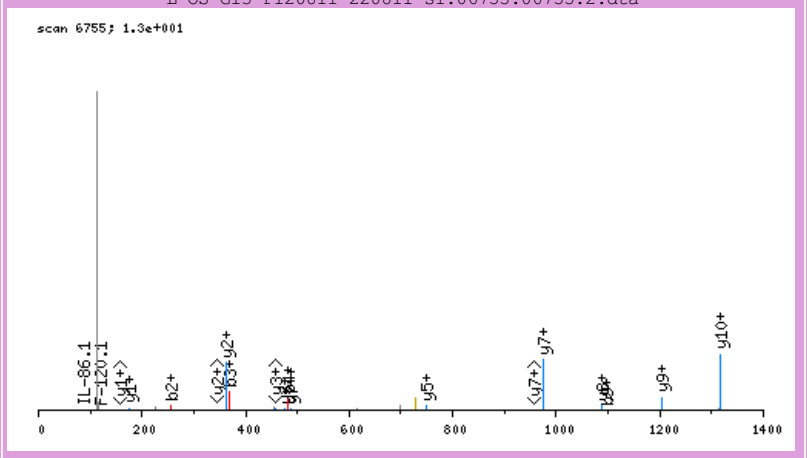
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

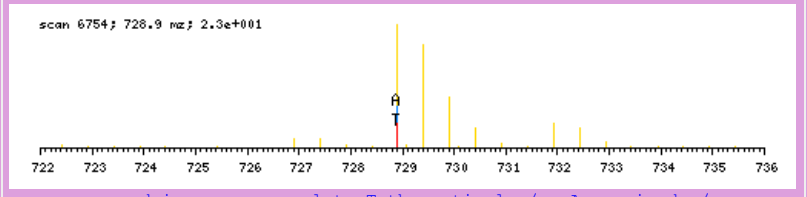
N-term:+35.07

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 728.8831
L OS G13 P120811 220811-s1.06755.06755.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



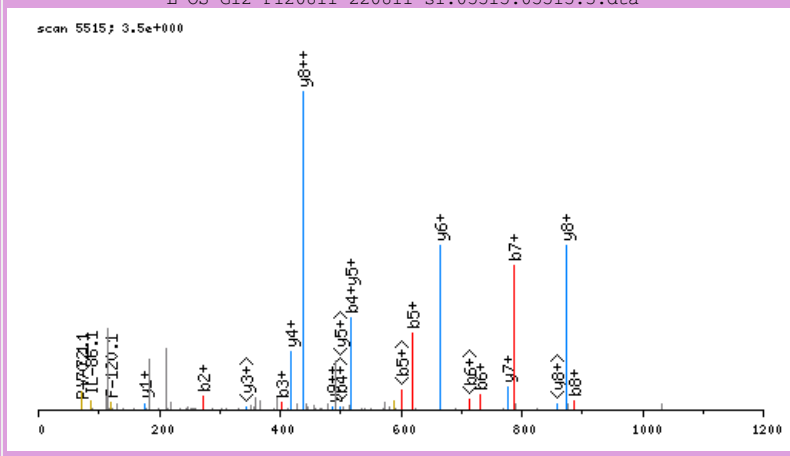
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	11		
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

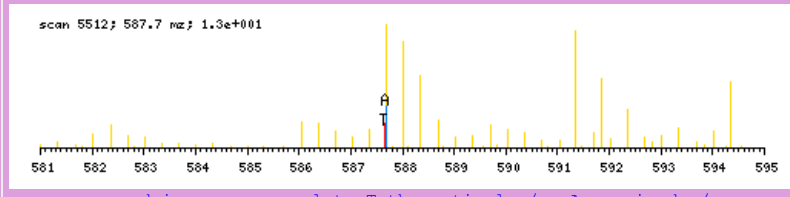
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
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+ 1760.9620, m/z 587.6589
L OS G12 P120811 220811-s1.05515.05515.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



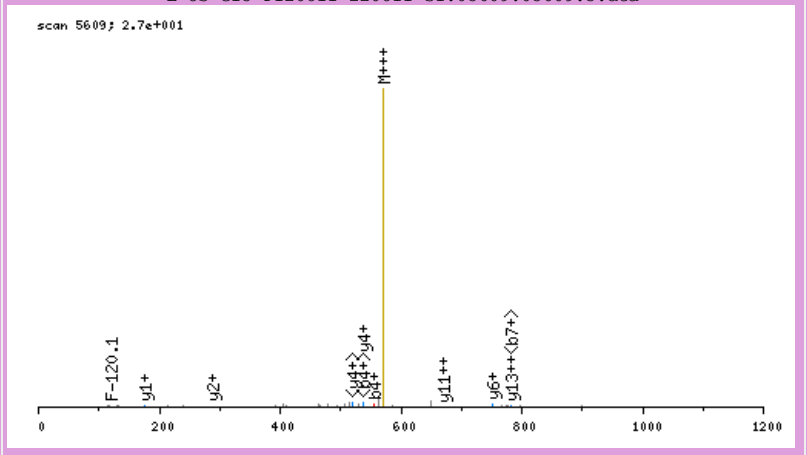
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
273.1636	2	M	15	1619.8467	810.4273
402.2062	3	E	14	1488.8062	744.9070
517.2332	4	D	13	1359.7636	680.3857
618.2809	5	T	12	1244.7367	622.8723
731.3649	6	I	11	1143.6890	572.3484
788.3864	7	G	10	1030.6049	515.8064
887.4548	8	V	9	973.5835	**487.2957**
984.5076	9	P	8	**874.5151**	**437.7614**
1097.5916	10	L	7	**777.4623**	389.2351
1244.6600	11	F	6	**664.3782**	332.6930
1343.7285	12	V	5	**517.3098**	259.1588
1400.7499	13	G	4	**418.2414**	209.6246
1487.7820	14	S	3	361.2199	181.1139
1586.8504	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

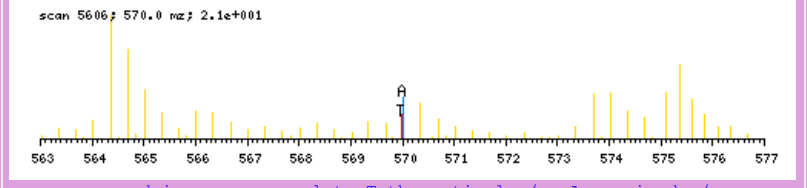
N-term:+29.04

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

INLWGSTKTISYLR, MH+ 1707.9798, m/z 569.9981
L OS G15 P120811 220811-s1.05609.05609.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

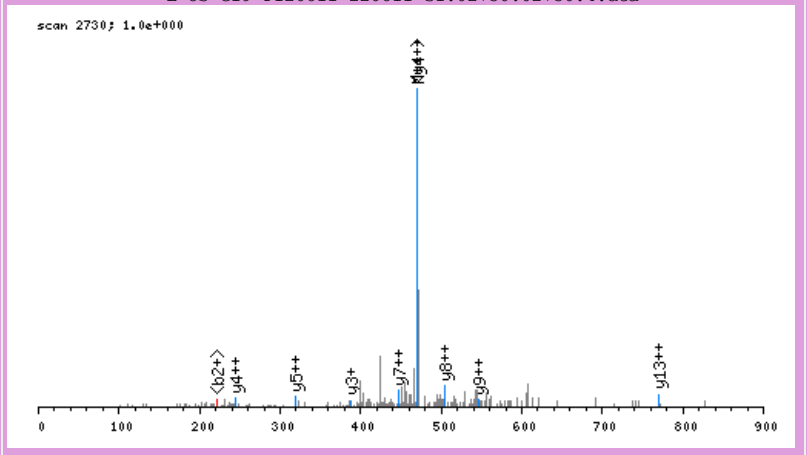


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

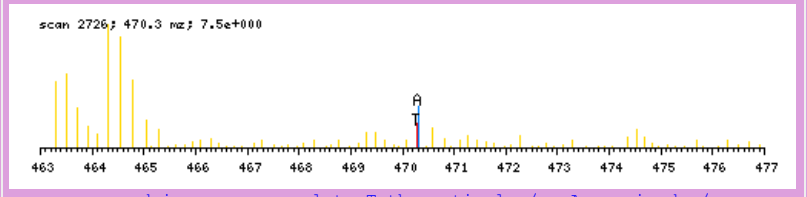
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	14		
256.1661	2	N	13	1566.8644	**783.9361**
369.2502	3	L	12	1452.8215	726.9147
555.3295	4	W	11	1339.7374	**670.3726**
612.3509	5	G	10	1153.6581	577.3330
699.3830	6	S	9	1096.6367	548.8222
800.4306	7	T	8	1009.6046	505.3062
956.5569	8	K	7	908.5570	454.7824
1057.6046	9	T	6	**752.4307**	376.7192
1170.6887	10	I	5	651.3830	326.1954
1257.7207	11	S	4	**538.2989**	269.6534
1420.7840	12	Y	3	451.2669	226.1374
1533.8681	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

N-term:+29.04 K(8):+156.13

IPVPRPPSIEEFTIVK, MH+ 1878.1105, m/z 470.2831
L OS G19 P120811 220811-s1.02730.02730.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

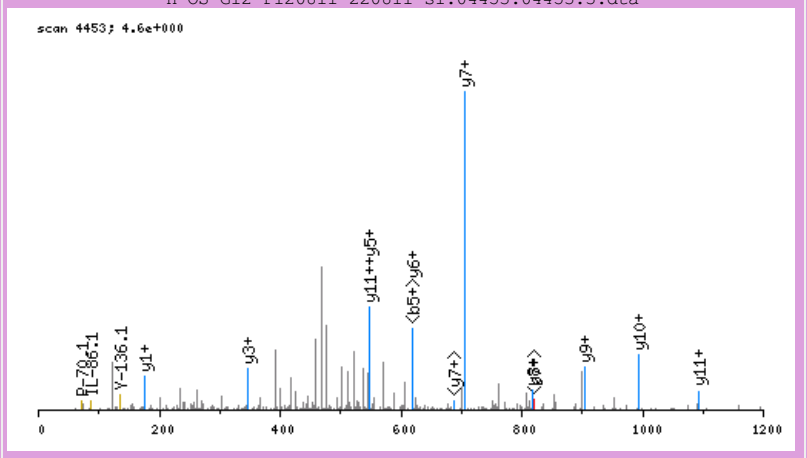
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
239.1759	2	P	15	1736.9951	869.0015
338.2443	3	V	14	1639.9424	820.4751
435.2971	4	P	13	1540.8739	**770.9409**
591.3982	5	R	12	1443.8212	722.4145
688.4510	6	P	11	1287.7201	644.3639
785.5037	7	P	10	1190.6673	595.8376
872.5358	8	S	9	1093.6145	**547.3112**
985.6198	9	I	8	1006.5825	**503.7952**
1114.6624	10	E	7	893.4984	**447.2531**
1243.7050	11	E	6	764.4559	382.7318
1390.7734	12	F	5	635.4133	**318.2105**
1491.8211	13	T	4	488.3448	**244.6763**
1604.9052	14	I	3	**387.2972**	194.1525
1703.9736	15	V	2	274.2131	137.6105
	16	K	1	175.1447	88.0763

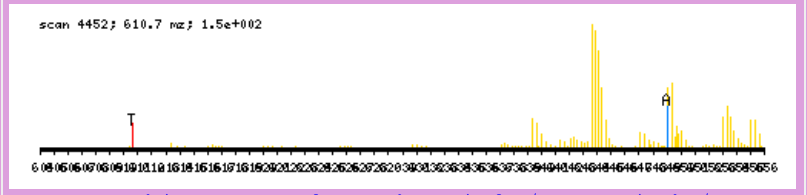
N-term:+29.04 K(16):+156.13

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

IQMTQTTSSLSASLGDR, MH+ 1829.9491, m/z 610.6545
H OS G12 P120811 220811-s1.04453.04453.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



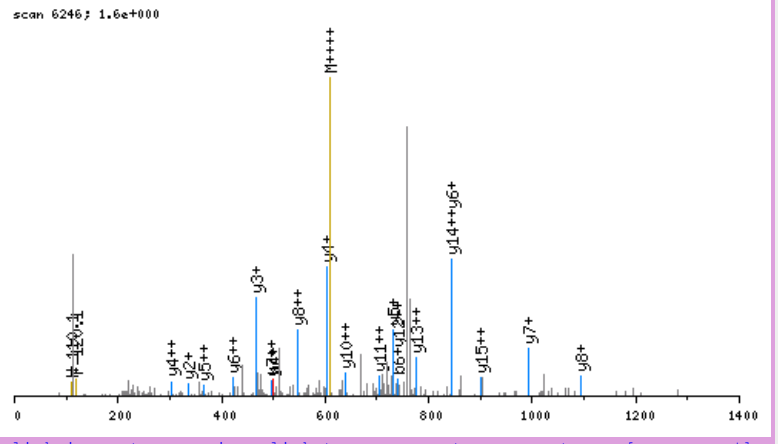
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
276.2135	2	Q	16	1682.8019	841.9049
407.2540	3	M	15	1554.7434	777.8756
508.3017	4	T	14	1423.7029	712.3554
636.3603	5	Q	13	1322.6552	661.8315
737.4080	6	T	12	1194.5966	597.8022
838.4556	7	T	11	**1093.5489**	**547.2784**
925.4877	8	S	10	**992.5013**	496.7545
1012.5197	9	S	9	**905.4692**	453.2385
1125.6038	10	L	8	**818.4372**	409.7225
1212.6358	11	S	7	**705.3531**	353.1805
1283.6729	12	A	6	**618.3211**	309.6645
1370.7049	13	S	5	**547.2840**	274.1459
1483.7890	14	L	4	460.2520	230.6299
1540.8105	15	G	3	**347.1679**	174.0879
1655.8374	16	D	2	290.1464	145.5771
	17	R	1	**175.1195**	88.0637

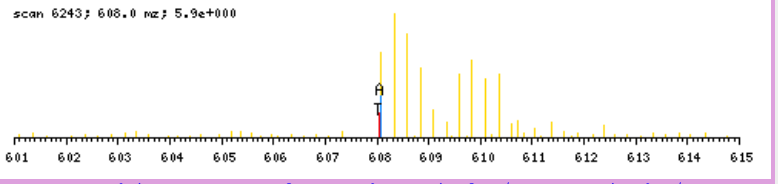
N-term:+35.07

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

IQTQQLHAAMADTFLEHMCR, MH+ 2429.1527, m/z 608.0436
L OS G17 P120811 220811-s1.06246.06246.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



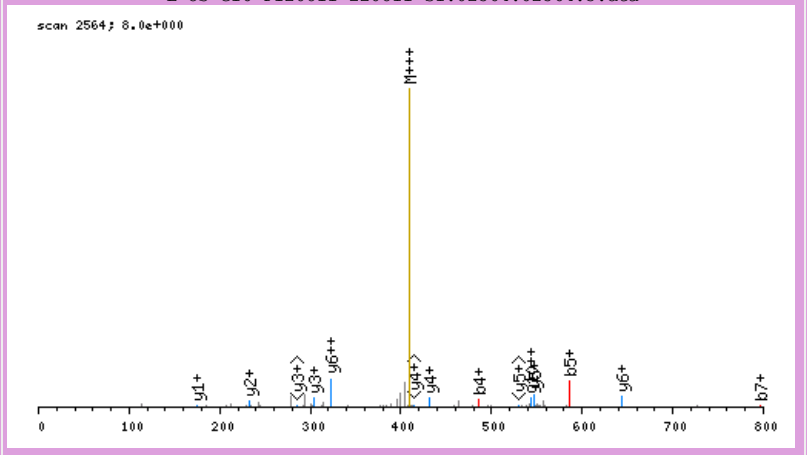
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	20		
270.1817	2	Q	19	2288.0374	1144.5226
371.2294	3	T	18	2159.9788	1080.4933
499.2880	4	Q	17	2058.9311	1029.9695
627.3466	5	Q	16	1930.8726	965.9402
740.4306	6	L	15	1802.8140	**901.9109**
877.4896	7	H	14	1689.7299	**845.3689**
948.5267	8	A	13	1552.6710	**776.8394**
1019.5638	9	A	12	1481.6339	**741.3209**
1150.6043	10	M	11	1410.5968	**705.8023**
1221.6414	11	A	10	1279.5563	**640.2821**
1336.6683	12	D	9	1208.5192	604.7635
1437.7160	13	T	8	**1093.4922**	**547.2500**
1584.7844	14	F	7	**992.4446**	**496.7262**
1697.8685	15	L	6	**845.3762**	**423.1920**
1826.9111	16	E	5	**732.2921**	**366.6500**
1963.9700	17	H	4	**603.2495**	**302.1287**
2095.0105	18	M	3	**466.1906**	233.5992
2255.0411	19	C	2	**335.1501**	168.0790
	20	R	1	175.1195	88.0637

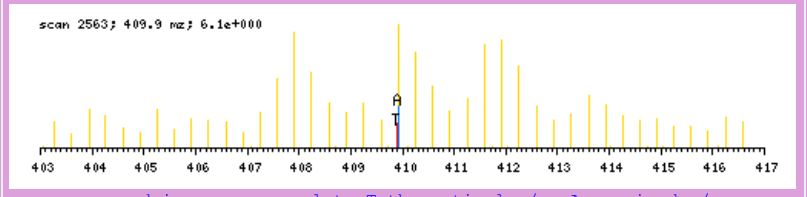
N-term:+29.04 C(19):+160.03

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

IRGMVPDQAGR, MH+ 1227.6632, m/z 409.8926
L OS G16 P120811 220811-s1.02564.02564.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



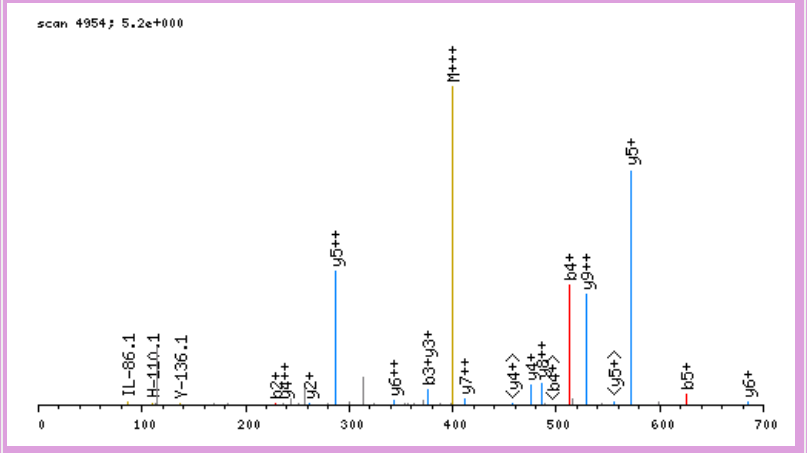
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	11		
298.2243	2	R	10	1086.5478	**543.7778**
355.2457	3	G	9	930.4467	465.7273
486.2862	4	M	8	873.4253	437.2165
585.3546	5	V	7	742.3848	371.6963
682.4074	6	P	6	**643.3164**	**322.1621**
797.4343	7	D	5	**546.2636**	273.6357
925.4929	8	Q	4	**431.2367**	216.1222
996.5300	9	A	3	**303.1781**	152.0930
1053.5515	10	G	2	**232.1410**	116.5744
	11	R	1	**175.1195**	88.0637

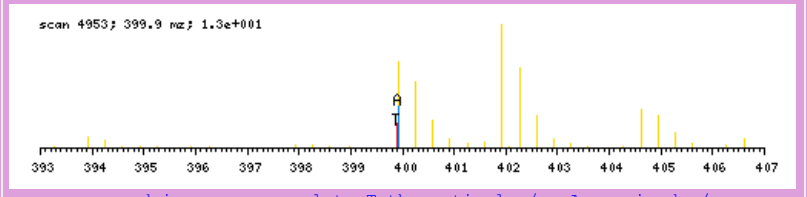
N-term:+29.04

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

ISFHLPVNSR, MH+ 1197.6744, m/z 399.8963
L OS G16 P120811 220811-s1.04954.04954.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



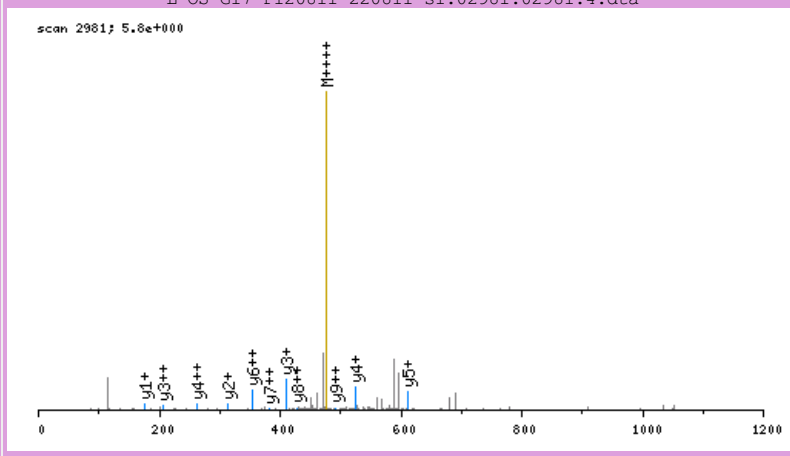
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

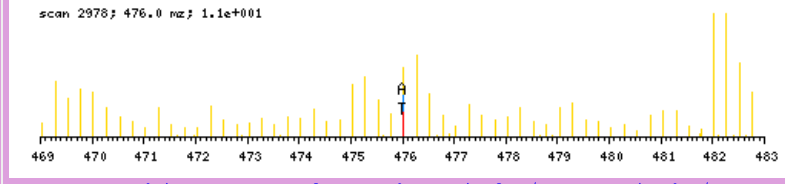
N-term:+29.04

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+ 1900.9769, m/z 475.9997
L OS G17 P120811 220811-s1.02981.02981.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



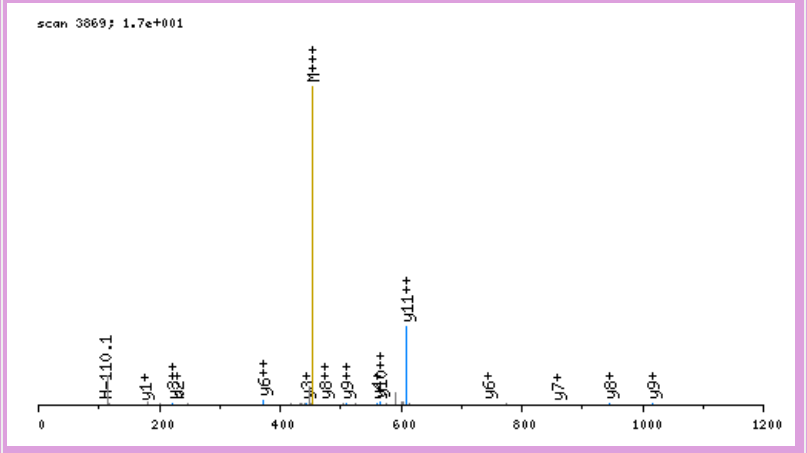
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
229.1552	2	S	15	1759.8615	880.4347
385.2815	3	K	14	1672.8295	836.9187
513.3401	4	Q	13	1516.7032	758.8555
642.3827	5	E	12	1388.6446	694.8262
805.4460	6	Y	11	1259.6020	630.3049
920.4729	7	D	10	1096.5387	548.7733
1049.5155	8	E	9	981.5118	**491.2598**
1136.5476	9	S	8	852.4692	**426.7385**
1193.5690	10	G	7	765.4371	**383.2225**
1290.6218	11	P	6	708.4157	**354.7118**
1377.6538	12	S	5	**611.3629**	306.1854
1490.7379	13	I	4	**524.3309**	**262.6694**
1589.8063	14	V	3	**411.2468**	**206.1273**
1726.8652	15	H	2	**312.1784**	156.5931
	16	R	1	**175.1195**	88.0637

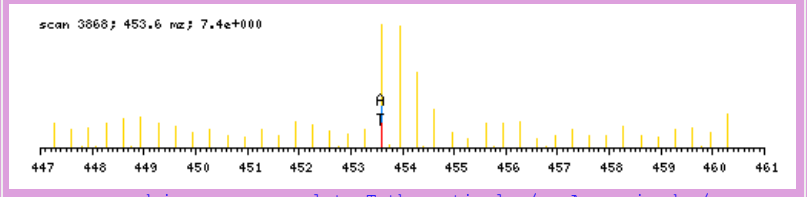
N-term:+29.04 K(3):+156.13

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

ISNASDALDKIR, MH+ 1358.7644, m/z 453.5930
L OS G16 P120811 220811-s1.03869.03869.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



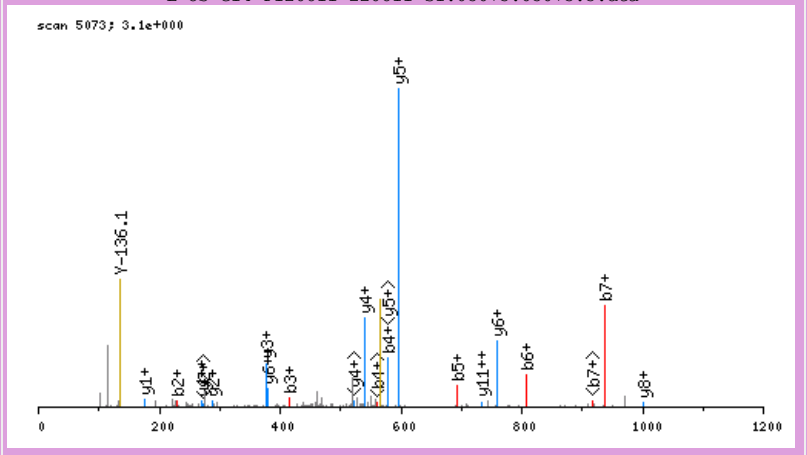
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	12		
229.1552	2	S	11	1217.6490	609.3284
343.1981	3	N	10	1130.6170	565.8124
414.2352	4	A	9	1016.5741	508.7909
501.2673	5	S	8	945.5370	473.2724
616.2942	6	D	7	858.5049	429.7564
687.3313	7	A	6	743.4780	372.2429
800.4154	8	L	5	672.4409	336.7243
915.4423	9	D	4	559.3568	280.1823
1071.5686	10	K	3	444.3299	222.6688
1184.6527	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

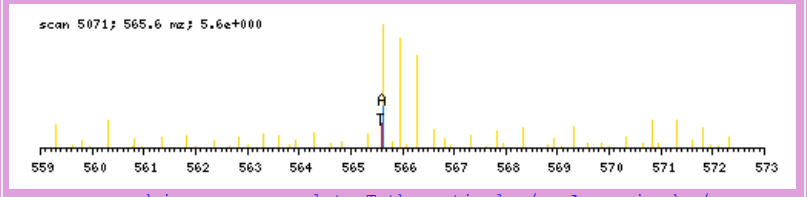
N-term:+29.04 K(10):+156.13

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

ISWYDNEYGYSNR, MH+ 1694.7451, m/z 565.5865
L OS G14 P120811 220811-s1.05073.05073.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



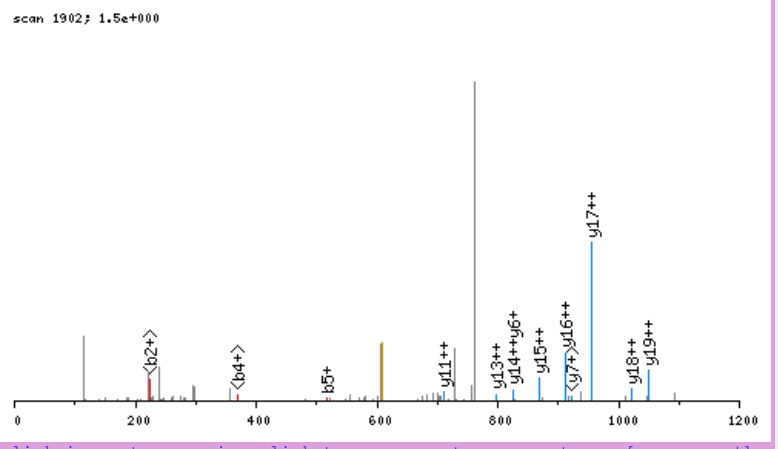
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

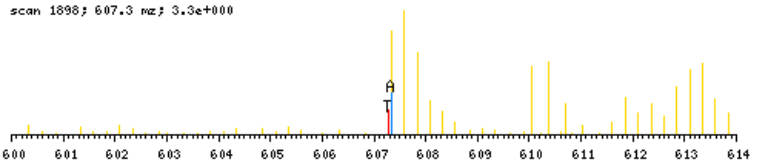
N-term:+29.04

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

ITSGESSSGGNPKAKDECAQYR, MH+ 2426.1622, m/z 607.2960
L OS G17 P120811 220811-s1.01902.01902.4.dta



click image to zoom in; 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		
243.1708	2	T	21	2285.0468	1143.0273
330.2029	3	S	20	2183.9992	1092.5035
387.2243	4	G	19	2096.9671	**1048.9875**
516.2669	5	E	18	2039.9457	**1020.4767**
603.2990	6	S	17	1910.9031	**955.9554**
690.3310	7	S	16	1823.8710	**912.4394**
777.3630	8	S	15	1736.8390	**868.9234**
834.3845	9	G	14	1649.8070	**825.4074**
891.4059	10	G	13	1592.7855	**796.8967**
1005.4489	11	N	12	1535.7641	768.3859
1102.5016	12	P	11	1421.7211	**711.3645**
1258.6279	13	K	10	1324.6684	662.8381
1329.6650	14	A	9	1168.5421	584.7749
1485.7913	15	K	8	1097.5050	549.2564
1600.8183	16	D	7	941.3787	471.1932
1729.8609	17	E	6	**826.3517**	413.6798
1889.8915	18	C	5	697.3091	349.1585
1960.9286	19	A	4	537.2785	269.1432
2088.9872	20	Q	3	466.2414	233.6246
2252.0505	21	Y	2	338.1828	169.5953
	22	R	1	175.1195	88.0637

N-term:+29.04 K(13):+156.13
K(15):+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+]

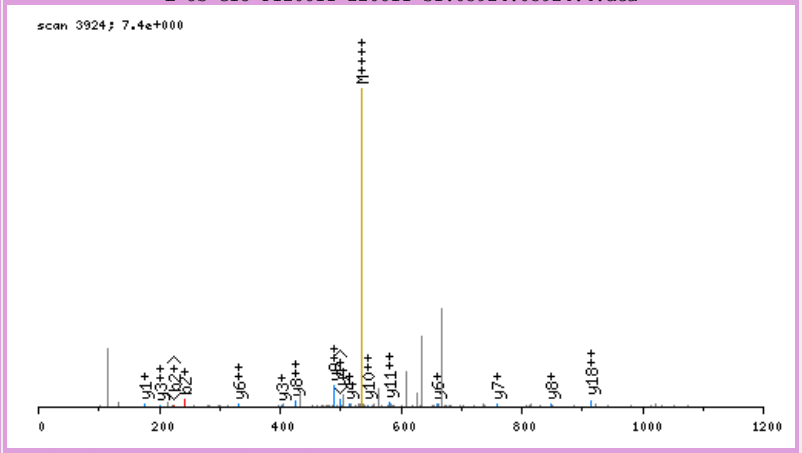
z [+] [2+] [3+]

hide H_2O/NH_3

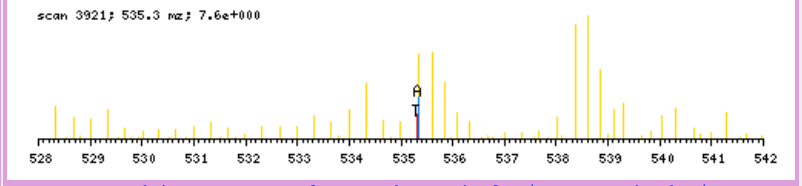
zoom 112-122

GO

IVAPGKGILAADESTGSIAKR, MH+ 2138.2549, m/z 535.3192
L OS G15 P120811 220811-s1.03924.03924.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



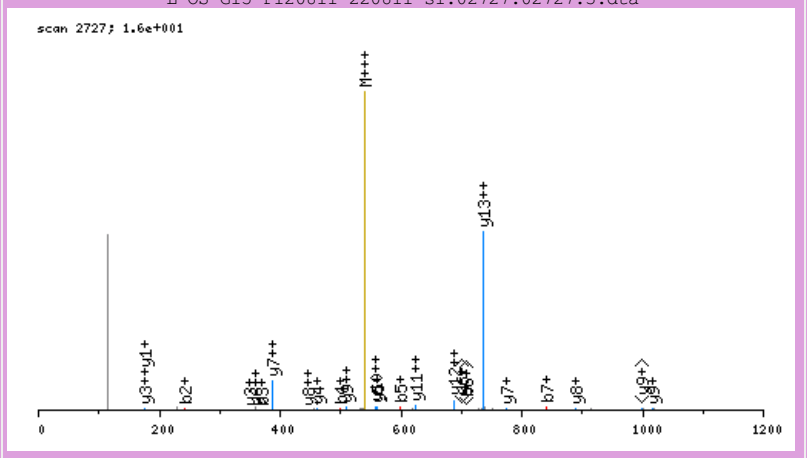
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	21		
241.1916	2	V	20	1997.1396	999.0737
312.2287	3	A	19	1898.0712	949.5395
409.2815	4	P	18	1827.0341	**914.0209**
466.3029	5	G	17	1729.9813	865.4946
622.4292	6	K	16	1672.9598	836.9838
679.4507	7	G	15	1516.8335	758.9207
792.5347	8	I	14	1459.8121	730.4099
905.6188	9	L	13	1346.7280	673.8679
976.6559	10	A	12	1233.6439	617.3259
1047.6930	11	A	11	1162.6068	**581.8073**
1162.7200	12	D	10	1091.5697	**546.2888**
1291.7626	13	E	9	976.5428	**488.7753**
1378.7946	14	S	8	**847.5002**	**424.2540**
1479.8423	15	T	7	**760.4681**	380.7380
1536.8637	16	G	6	**659.4205**	**330.2141**
1623.8958	17	S	5	602.3990	301.7034
1736.9798	18	I	4	**515.3670**	258.1874
1808.0170	19	A	3	**402.2829**	**201.6454**
1964.1433	20	K	2	331.2458	166.1268
	21	R	1	**175.1195**	88.0637

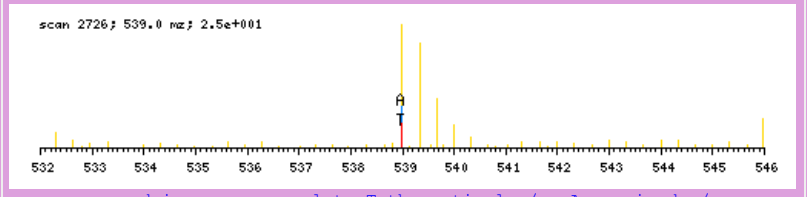
N-term:+29.04 K(6):+156.13
K(20):+156.13

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

IVEEVQDGKVISSR, MH+ 1614.9067, m/z 538.9737
L OS G15 P120811 220811-s1.02727.02727.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



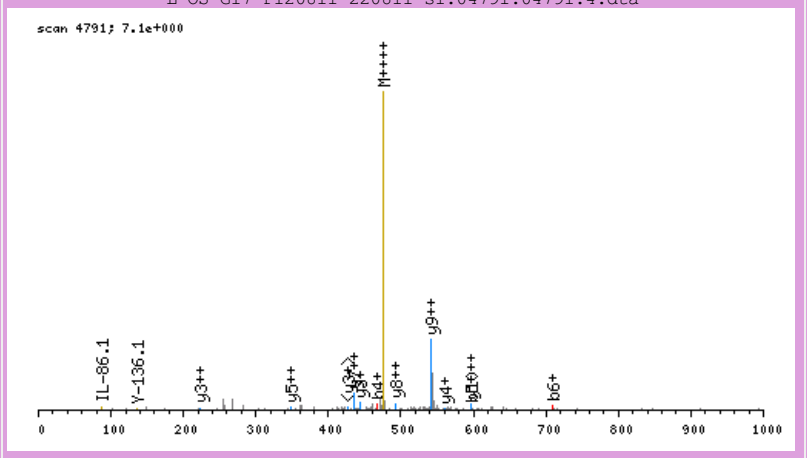
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	14		
241.1916	2	V	13	1473.7913	737.3996
370.2342	3	E	12	1374.7229	687.8654
499.2768	4	E	11	1245.6803	623.3441
598.3452	5	V	10	1116.6377	558.8228
726.4038	6	Q	9	1017.5693	509.2886
841.4307	7	D	8	889.5107	445.2593
898.4522	8	G	7	774.4838	387.7458
1054.5785	9	K	6	717.4623	359.2351
1153.6469	10	V	5	561.3360	281.1719
1266.7309	11	I	4	462.2676	231.6377
1353.7630	12	S	3	349.1836	175.0957
1440.7950	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

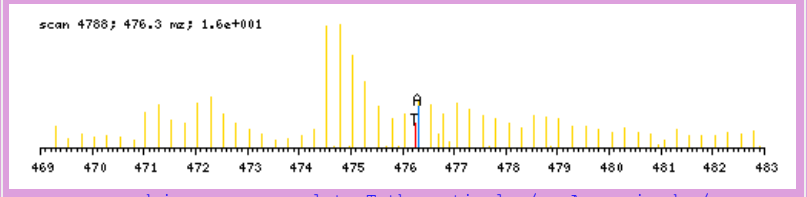
N-term:+29.04 K(9):+156.13

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

IVEPEILPDGDHDLKR, MH+ 1902.0337, m/z 476.2639
L OS G17 P120811 220811-s1.04791.04791.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



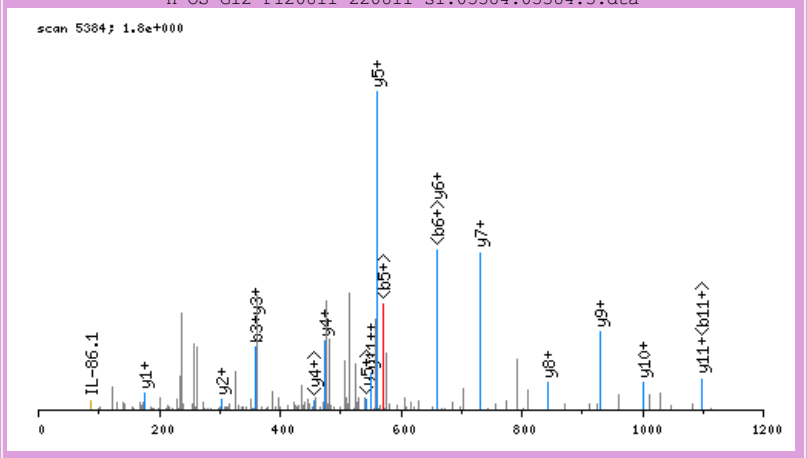
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	16		
241.1916	2	V	15	1760.9183	880.9631
370.2342	3	E	14	1661.8499	831.4289
467.2869	4	P	13	1532.8073	766.9076
596.3295	5	E	12	1435.7546	718.3812
709.4136	6	I	11	1306.7120	653.8599
822.4977	7	L	10	1193.6279	**597.3179**
919.5504	8	P	9	1080.5438	**540.7758**
1034.5774	9	D	8	983.4911	**492.2494**
1091.5988	10	G	7	868.4641	**434.7360**
1206.6258	11	D	6	811.4427	406.2252
1343.6847	12	H	5	696.4157	**348.7118**
1458.7116	13	D	4	**559.3568**	280.1823
1571.7957	14	L	3	**444.3299**	**222.6688**
1727.9220	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

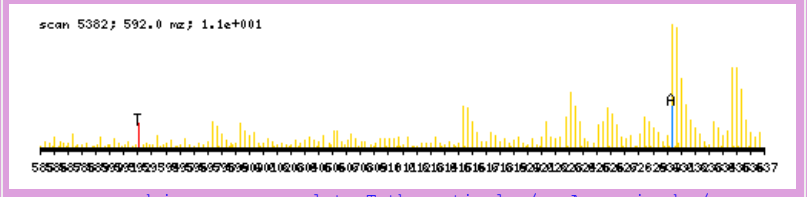
N-term:+29.04 K(15):+156.13

IVLTQSPASLAVSLGQR, MH+ 1774.0650, m/z 592.0265
H OS G12 P120811 220811-s1.05384.05384.3.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±]



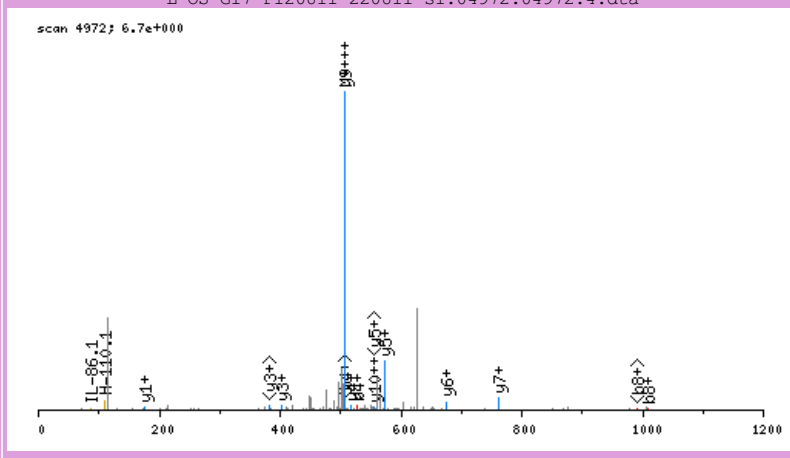
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	17		
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

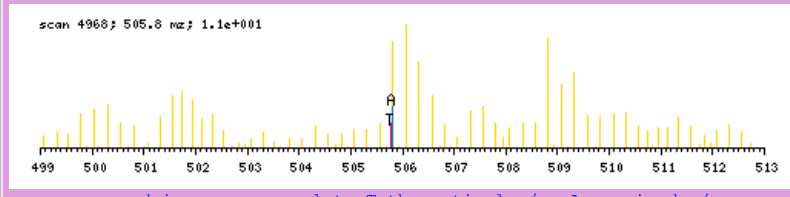
N-term:+35.07

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

IVQKYGYTHLSTGDLLR, MH+ 2020.1231, m/z 505.7862
L OS G17 P120811 220811-s1.04972.04972.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



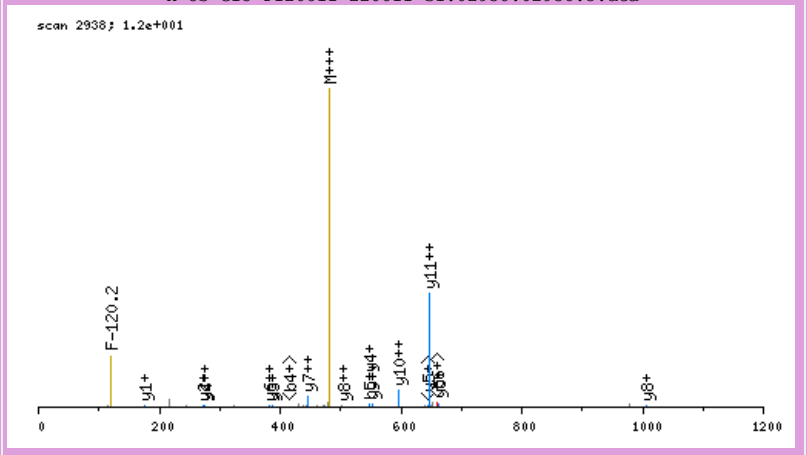
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	I	17		
241.1916	2	V	16	1879.0078	940.0078
369.2502	3	Q	15	1779.9394	890.4736
525.3765	4	K	14	1651.8808	826.4443
688.4398	5	Y	13	1495.7545	748.3812
745.4612	6	G	12	1332.6912	666.8495
908.5246	7	Y	11	1275.6697	638.3388
1009.5723	8	T	10	1112.6064	**556.8071**
1146.6312	9	H	9	1011.5587	**506.2833**
1259.7152	10	L	8	874.4998	437.7538
1346.7473	11	S	7	**761.4157**	381.2118
1447.7949	12	T	6	**674.3837**	337.6958
1504.8164	13	G	5	**573.3360**	287.1719
1619.8433	14	D	4	**516.3146**	258.6612
1732.9274	15	L	3	**401.2876**	201.1477
1846.0115	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

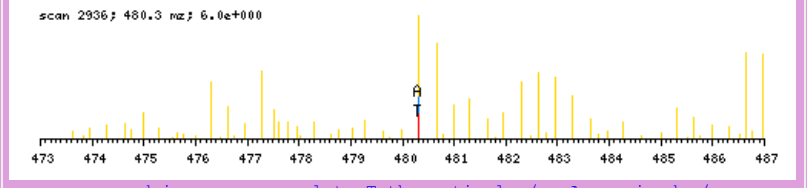
N-term:+29.04 K(4):+156.13

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

IVSVDETIKNPR, MH+ 1438.8906, m/z 480.3017
H OS G15 P120811 220811-s1.02938.02938.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



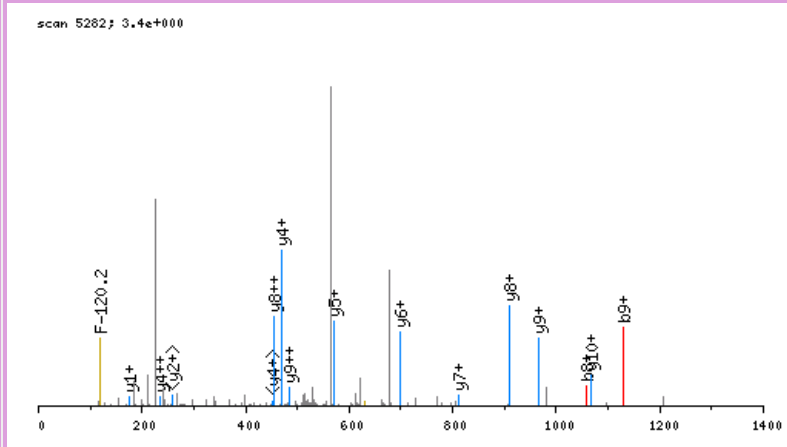
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	12		
247.2234	2	V	11	1291.7434	**646.3756**
334.2554	3	S	10	1192.6750	**596.8414**
433.3238	4	V	9	1105.6430	**553.3254**
548.3508	5	D	8	**1006.5746**	**503.7912**
677.3934	6	E	7	891.5476	**446.2777**
778.4410	7	T	6	762.5050	**381.7564**
891.5251	8	I	5	**661.4574**	331.2326
1053.6832	9	K	4	**548.3733**	**274.6906**
1167.7261	10	N	3	**386.2152**	193.6115
1264.7789	11	P	2	**272.1723**	136.5900
	12	R	1	**175.1195**	88.0637

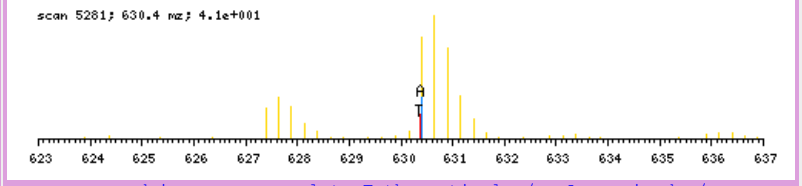
N-term:+35.07 K(9):+162.16

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

IYEKPQTEAPQVTGPIEVPVVR, MH+ 2518.4557, m/z 630.3694
H OS G14 P120811 220811-s1.05282.05282.4.dta



click image to zoom in; click top corners to zoom out [precursor]



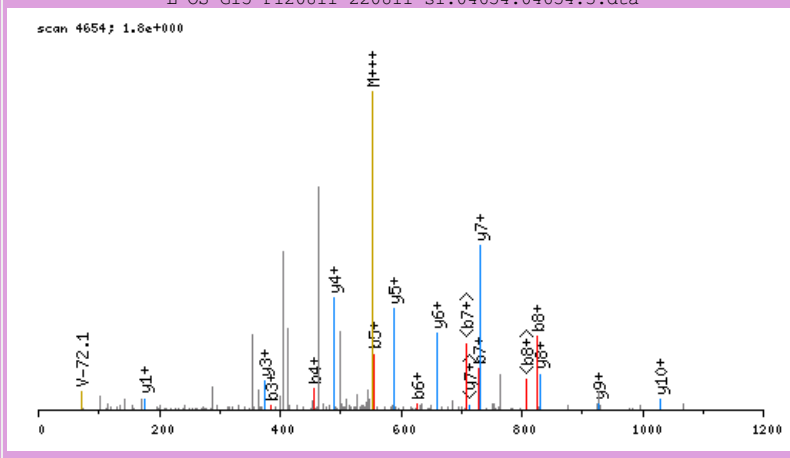
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	I	22		
311.2183	2	Y	21	2371.3086	1186.1582
440.2609	3	E	20	2208.2452	1104.6265
602.4190	4	K	19	2079.2027	1040.1052
699.4717	5	P	18	1917.0446	959.0262
827.5303	6	Q	17	1819.9918	910.4998
928.5780	7	T	16	1691.9332	846.4705
1057.6206	8	E	15	1590.8855	795.9467
1128.6577	9	A	14	1461.8429	731.4254
1225.7105	10	P	13	1390.8058	695.9068
1353.7691	11	Q	12	1293.7531	647.3804
1452.8375	12	V	11	1165.6945	583.3512
1553.8851	13	T	10	**1066.6261**	533.8169
1610.9066	14	G	9	**965.5784**	**483.2931**
1707.9594	15	P	8	**908.5569**	**454.7824**
1821.0434	16	I	7	**811.5042**	406.2560
1950.0860	17	E	6	**698.4201**	349.7140
2049.1544	18	V	5	**569.3775**	285.1927
2146.2072	19	P	4	**470.3091**	**235.6585**
2245.2756	20	V	3	373.2563	187.1321
2344.3440	21	V	2	274.1879	137.5979
	22	R	1	**175.1195**	88.0637

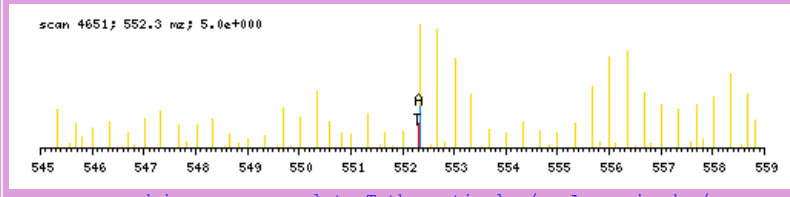
N-term:+35.07 K(4):+162.16

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

KAEAVATVVAAVDQAR, MH+ 1654.9492, m/z 552.3213
L OS G15 P120811 220811-s1.04654.04654.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



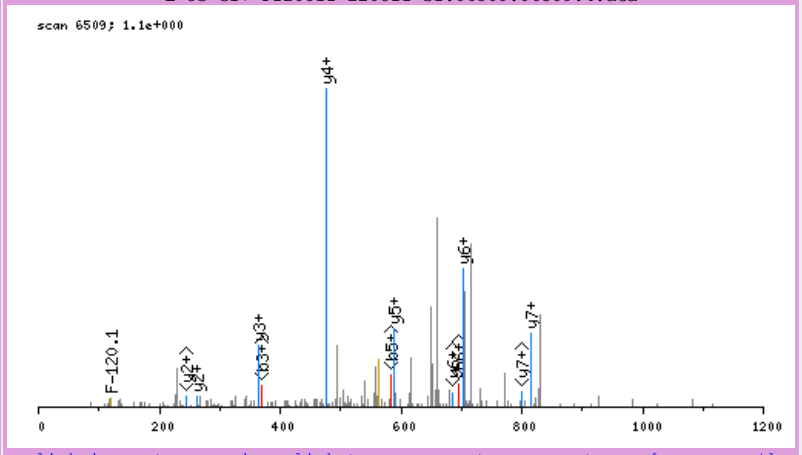
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
256.2025	2	A	15	1470.7916	735.8997
385.2451	3	E	14	1399.7545	700.3812
456.2822	4	A	13	1270.7119	635.8599
555.3506	5	V	12	1199.6748	600.3413
626.3877	6	A	11	1100.6064	550.8071
727.4354	7	T	10	**1029.5693**	515.2886
826.5038	8	V	9	**928.5216**	464.7647
925.5723	9	V	8	**829.4532**	415.2305
996.6094	10	A	7	**730.3848**	365.6963
1067.6465	11	A	6	**659.3477**	330.1777
1166.7149	12	V	5	**588.3105**	294.6592
1281.7418	13	D	4	**489.2421**	245.1250
1409.8004	14	Q	3	**374.2152**	187.6115
1480.8375	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

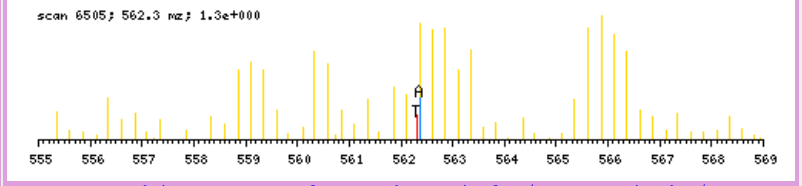
N-term:+29.04 K(1):+156.13

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

KAMKGLGTDEDSILNLLTSR, MH+ 2246.2430, m/z 562.3162
L OS G17 P120811 220811-s1.06509.06509.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



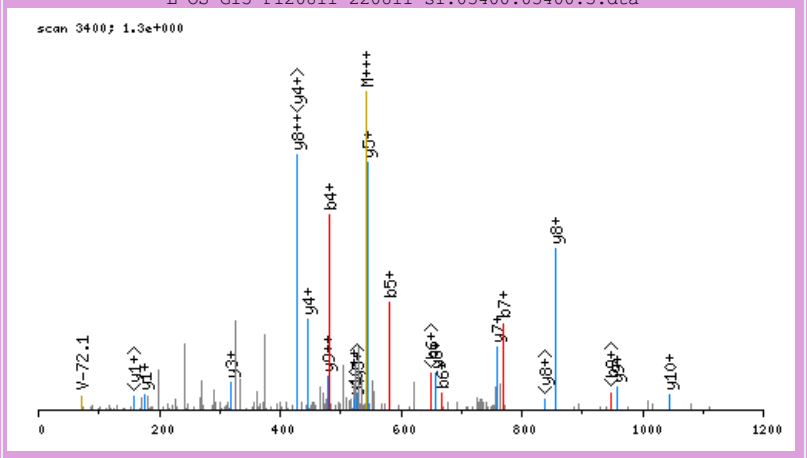
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	20		
256.2025	2	A	19	2062.0855	1031.5466
387.2430	3	M	18	1991.0484	996.0281
543.3693	4	K	17	1860.0079	930.5078
600.3908	5	G	16	1703.8816	852.4447
713.4748	6	L	15	1646.8601	823.9340
770.4963	7	G	14	1533.7760	767.3919
871.5440	8	T	13	1476.7546	738.8812
986.5709	9	D	12	1375.7069	688.3574
1115.6135	10	E	11	1260.6800	630.8439
1230.6404	11	D	10	1131.6374	566.3226
1317.6725	12	S	9	1016.6104	508.8091
1430.7565	13	I	8	929.5784	465.2931
1543.8406	14	L	7	**816.4943**	408.7511
1657.8835	15	N	6	**703.4103**	352.2090
1770.9676	16	L	5	**589.3673**	295.1876
1884.0517	17	L	4	**476.2833**	238.6455
1985.0993	18	T	3	**363.1992**	182.1035
2072.1314	19	S	2	**262.1515**	131.5797
	20	R	1	175.1195	88.0637

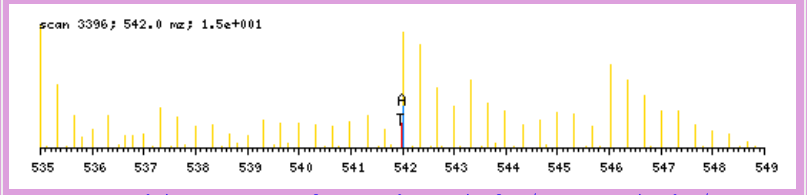
N-term:+29.04 K(1):+156.13
K(4):+156.13

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

KAPQVSTPTLVEAAR, MH+ 1623.9434, m/z 541.9860
L OS G15 P120811 220811-s1.03400.03400.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



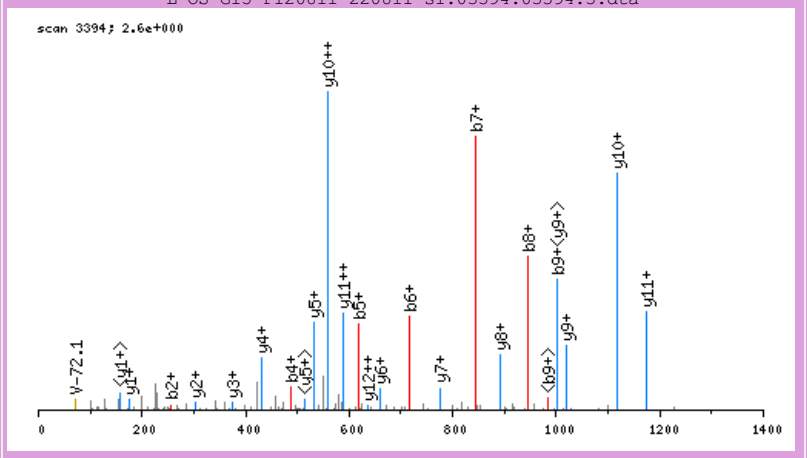
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
256.2025	2	A	14	1439.7858	720.3968
353.2553	3	P	13	1368.7487	684.8783
481.3139	4	Q	12	1271.6959	636.3519
580.3823	5	V	11	1143.6374	572.3226
667.4143	6	S	10	**1044.5689**	**522.7884**
768.4620	7	T	9	**957.5369**	**479.2724**
865.5147	8	P	8	**856.4892**	**428.7485**
966.5624	9	T	7	**759.4365**	380.2222
1079.6465	10	L	6	**658.3888**	329.6983
1178.7149	11	V	5	**545.3047**	273.1563
1307.7575	12	E	4	**446.2363**	223.6221
1378.7946	13	A	3	**317.1937**	159.1008
1449.8317	14	A	2	246.1566	123.5822
	15	R	1	**175.1195**	88.0637

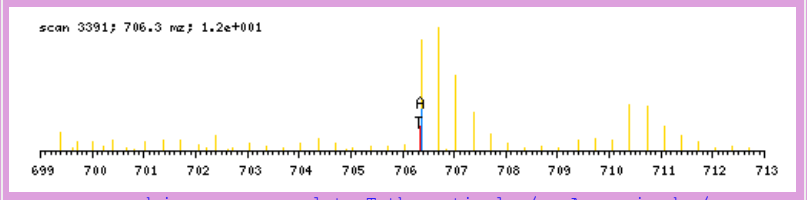
N-term:+29.04 K(1):+156.13

KATEMVEVGPEDDEVGAER, MH+ 2117.0073, m/z 706.3406
L OS G15 P120811 220811-s1.03394.03394.3.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±]



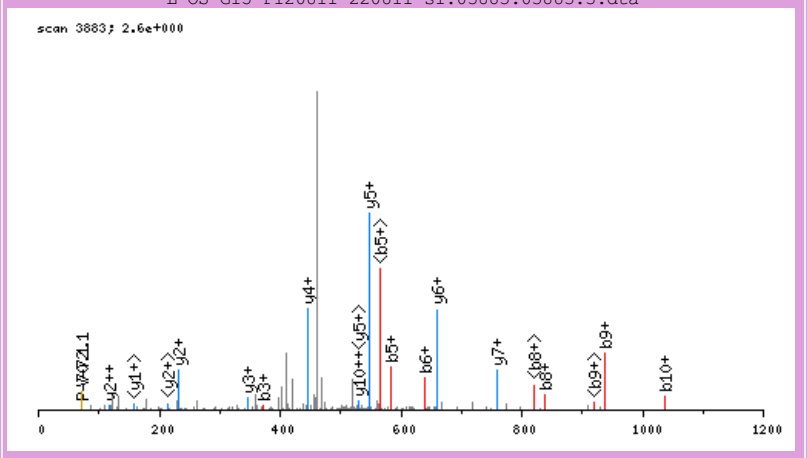
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	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

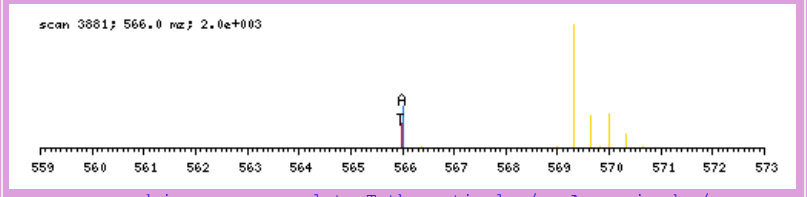
N-term:+29.04 K(1):+156.13

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

KDAPDGPTVVLTVDGR, MH+ 1695.9281, m/z 565.9809
L OS G15 P120811 220811-s1.03883.03883.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



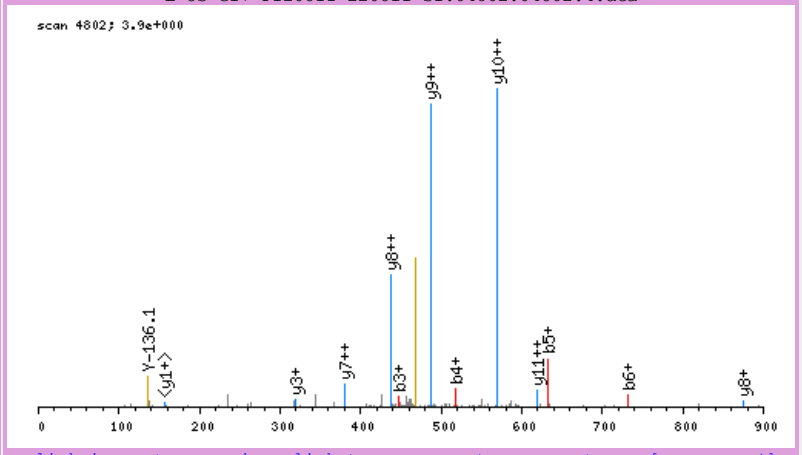
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

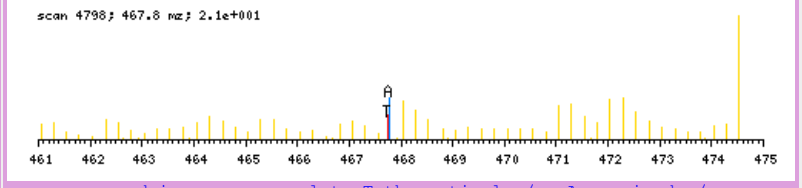
N-term:+29.04 K(1):+156.13

KDFANVYVDAVKDSGR, MH+ 1867.9918, m/z 467.7534
L OS G17 P120811 220811-s1.04802.04802.4.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‡]



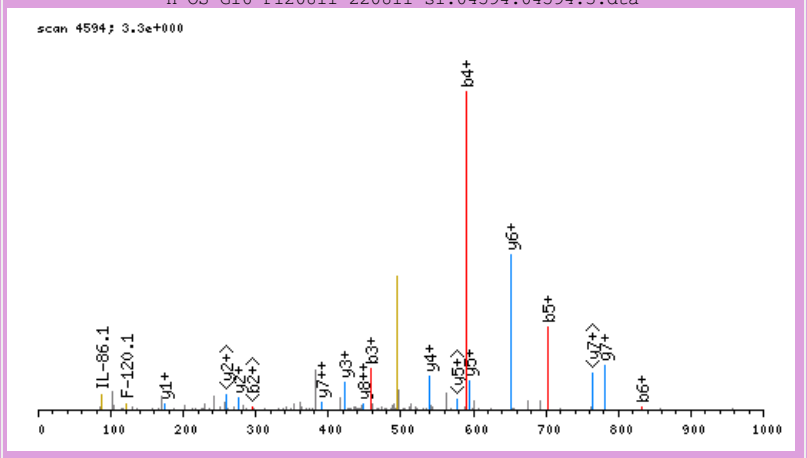
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
300.1923	2	D	15	1683.8343	842.4210
447.2608	3	F	14	1568.8073	784.9076
518.2979	4	A	13	1421.7389	711.3734
632.3408	5	N	12	1350.7018	675.8548
731.4092	6	V	11	1236.6589	**618.8333**
894.4725	7	Y	10	1137.5904	**569.2991**
993.5410	8	V	9	974.5271	**487.7675**
1108.5679	9	D	8	**875.4587**	**438.2333**
1179.6050	10	A	7	760.4318	**380.7198**
1278.6734	11	V	6	689.3946	345.2012
1434.7997	12	K	5	590.3262	295.6670
1549.8267	13	D	4	434.1999	217.6039
1636.8587	14	S	3	**319.1730**	160.0904
1693.8802	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

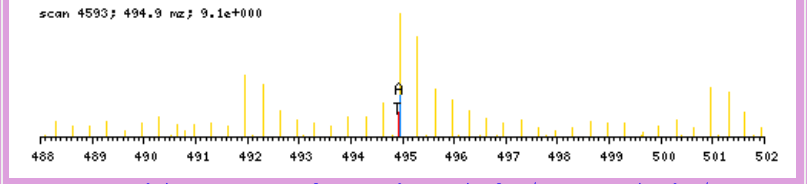
N-term:+29.04 K(1):+156.13
K(12):+156.13

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

KDFMIQGGDFTR, MH+ 1482.8051, m/z 494.9399
H OS G16 P120811 220811-s1.04594.04594.3.dta



click image to zoom in; 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		
312.2559	2	D	11	1286.5839	643.7959
459.3244	3	F	10	1171.5570	586.2824
590.3648	4	M	9	1024.4886	512.7482
703.4489	5	I	8	893.4481	**447.2280**
831.5075	6	Q	7	**780.3640**	**390.6859**
888.5289	7	G	6	**652.3055**	326.6566
945.5504	8	G	5	**595.2840**	298.1459
1060.5774	9	D	4	**538.2625**	269.6352
1207.6458	10	F	3	**423.2356**	212.1217
1308.6934	11	T	2	**276.1672**	138.5875
	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+]

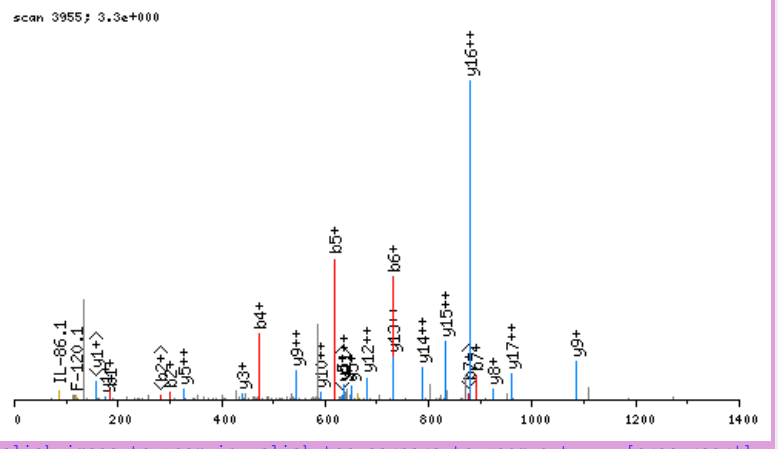
z [+] [2+] [3+]

hide H_2O/NH_3

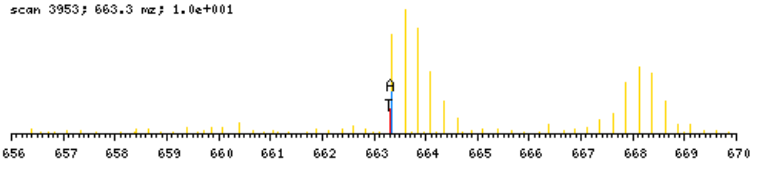
zoom 112-122

GO

KDGDFICPSDTSSVCGTDGKTYR, MH+ 2650.2128, m/z 663.3087
L OS G17 P120811 220811-s1.03955.03955.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



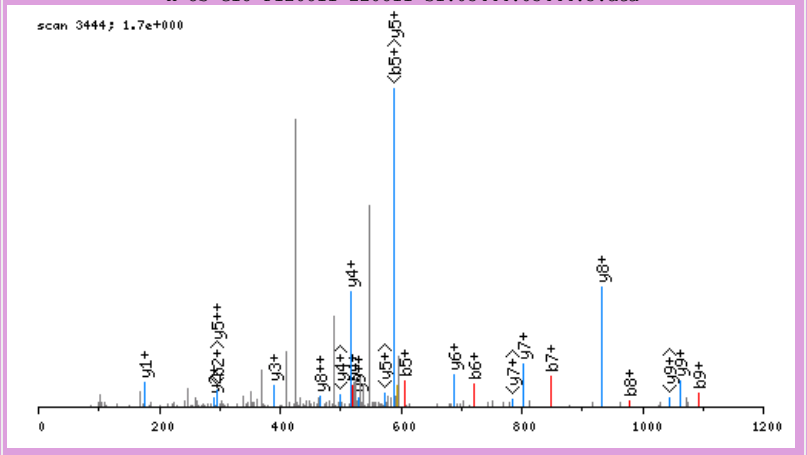
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	**1**	**K**	**23**		
300.1923	**2**	**D**	**22**	2466.0553	1233.5315
357.2138	**3**	**G**	**21**	2351.0283	1176.0181
472.2407	**4**	**D**	**20**	2294.0069	1147.5073
619.3092	**5**	**F**	**19**	2178.9799	1089.9939
732.3932	**6**	**I**	**18**	2031.9115	1016.4597
892.4238	**7**	**C**	**17**	1918.8274	**959.9176**
989.4766	**8**	**P**	**16**	1758.7968	**879.9023**
1076.5086	**9**	**S**	**15**	1661.7441	**831.3760**
1191.5356	**10**	**D**	**14**	1574.7120	**787.8599**
1292.5832	**11**	**T**	**13**	1459.6851	**730.3465**
1379.6153	**12**	**S**	**12**	1358.6374	**679.8226**
1466.6473	**13**	**S**	**11**	1271.6054	**636.3066**
1565.7157	**14**	**V**	**10**	1184.5734	**592.7906**
1725.7463	**15**	**C**	**9**	**1085.5050**	**543.2564**
1782.7678	**16**	**G**	**8**	**925.4744**	463.2411
1883.8155	**17**	**T**	**7**	868.4529	434.7304
1998.8424	**18**	**D**	**6**	767.4052	384.2065
2055.8639	**19**	**G**	**5**	**652.3783**	**326.6930**
2211.9902	**20**	**K**	**4**	595.3568	298.1823
2313.0378	**21**	**T**	**3**	**439.2305**	220.1192
2476.1012	**22**	**Y**	**2**	338.1828	169.5953
	23	**R**	**1**	**175.1195**	88.0637

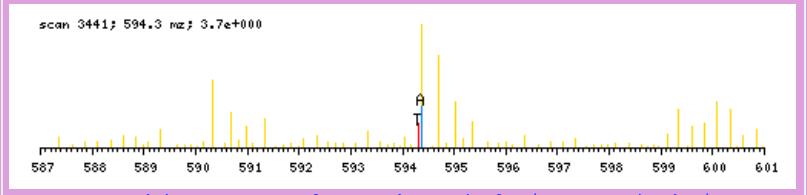
N-term:+29.04 K(1):+156.13
C(7):+160.03 C(15):+160.03
K(20):+156.13

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

KDHASIQMNVAEVDR, MH+ 1780.9652, m/z 594.3266
H OS G18 P120811 220811-s1.03444.03444.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



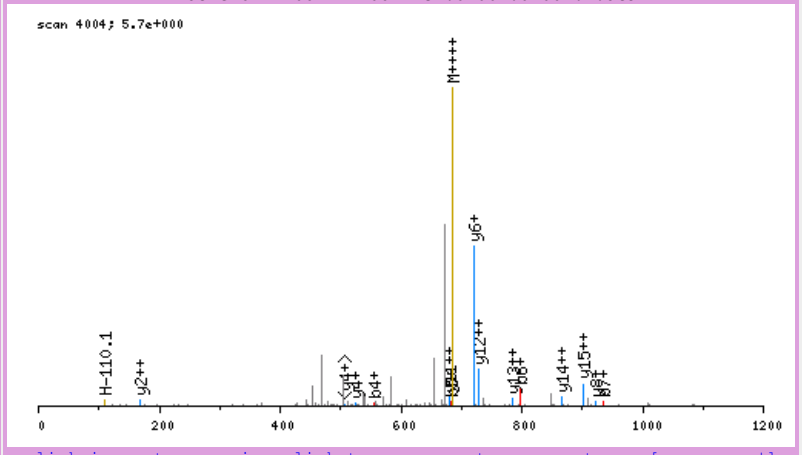
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
312.2559	2	D	14	1584.7440	792.8759
449.3149	3	H	13	1469.7171	735.3625
520.3520	4	A	12	1332.6582	666.8330
607.3840	5	S	11	1261.6211	631.3144
720.4681	6	I	10	1174.5890	587.7984
848.5266	7	Q	9	**1061.5050**	**531.2564**
979.5671	8	M	8	**933.4464**	**467.2271**
1093.6101	9	N	7	**802.4059**	401.7069
1192.6785	10	V	6	**688.3630**	344.6854
1263.7156	11	A	5	**589.2946**	**295.1512**
1392.7582	12	E	4	**518.2575**	259.6326
1491.8266	13	V	3	**389.2149**	195.1113
1606.8535	14	D	2	**290.1464**	145.5771
	15	R	1	**175.1195**	88.0637

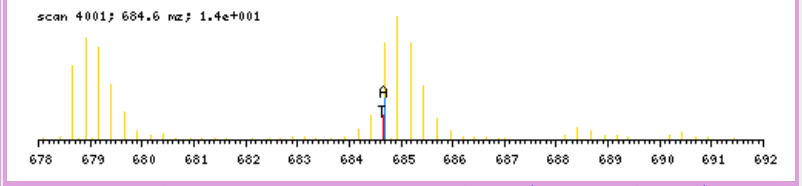
N-term:+35.07 K(1):+162.16

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

KDLEEDHACIPIKKSDPVVSYR, MH+ 2735.5715, m/z 684.6483
H OS G18 P120811 220811-s1.04004.04004.4.dta



click image to zoom in; click top corners to zoom out [precursor]



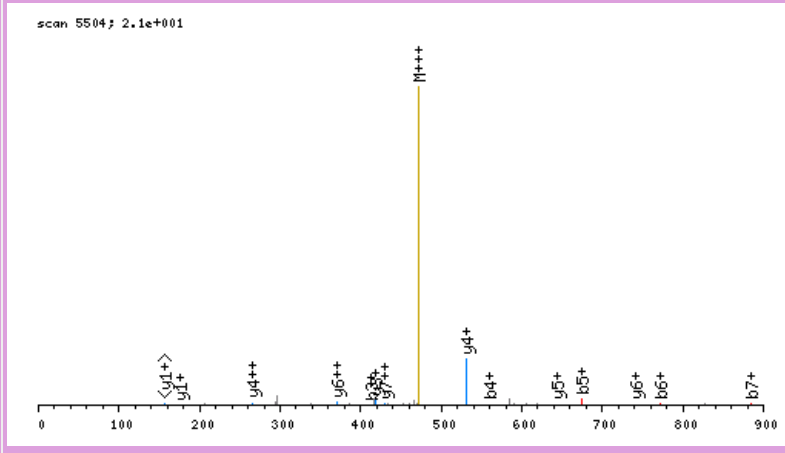
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	22		
312.2559	2	D	21	2539.3503	1270.1791
425.3400	3	L	20	2424.3233	1212.6656
554.3826	4	E	19	2311.2393	1156.1235
683.4252	5	E	18	2182.1967	1091.6022
798.4521	6	D	17	2053.1541	1027.0810
935.5110	7	H	16	1938.1271	969.5675
1006.5482	8	A	15	1801.0682	**901.0380**
1166.5788	9	C	14	1730.0311	**865.5195**
1279.6628	10	I	13	1570.0005	**785.5042**
1376.7156	11	P	12	1456.9164	**728.9621**
1489.7997	12	I	11	1359.8637	**680.4358**
1651.9578	13	K	10	1246.7796	623.8937
1814.1159	14	K	9	1084.6215	542.8147
1901.1479	15	S	8	**922.4634**	461.7356
2016.1748	16	D	7	835.4314	418.2196
2113.2276	17	P	6	**720.4044**	360.7061
2212.2960	18	V	5	623.3517	312.1798
2311.3644	19	V	4	**524.2833**	262.6455
2398.3964	20	S	3	425.2149	213.1113
2561.4598	21	Y	2	338.1828	**169.5953**
	22	R	1	175.1195	88.0637

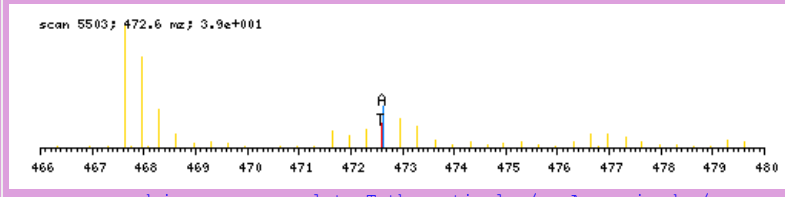
N-term:+35.07 K(1):+162.16
C(9):+160.03 K(13):+162.16
K(14):+162.16

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

KDLFDPIIQDR, MH+ 1415.7899, m/z 472.6015
L OS G16 P120811 220811-s1.05504.05504.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



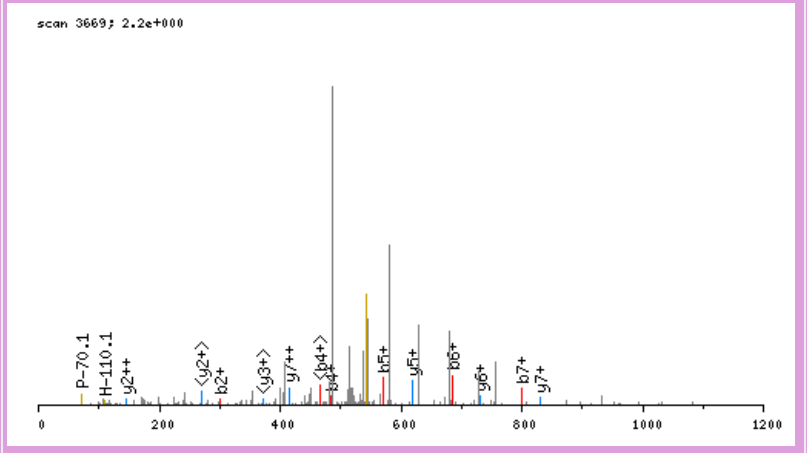
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	11		
300.1923	2	D	10	1231.6323	616.3201
413.2764	3	L	9	1116.6053	558.8066
560.3448	4	F	8	1003.5213	502.2645
675.3718	5	D	7	856.4529	**428.7303**
772.4245	6	P	6	**741.4259**	**371.2169**
885.5086	7	I	5	**644.3731**	322.6905
998.5927	8	I	4	**531.2891**	**266.1485**
1126.6512	9	Q	3	**418.2050**	209.6064
1241.6782	10	D	2	290.1464	145.5771
	11	R	1	**175.1195**	88.0637

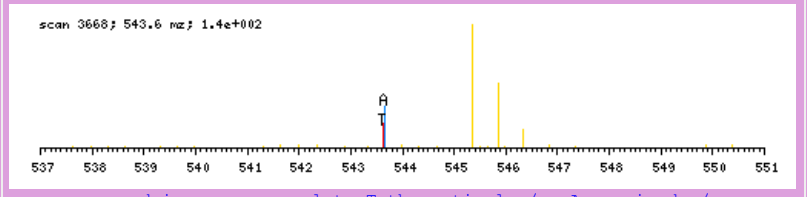
N-term:+29.04 K(1):+156.13

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

KDPSSNDPLTETIR, MH+ 1628.8496, m/z 543.6214
L OS G16 P120811 220811-s1.03669.03669.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



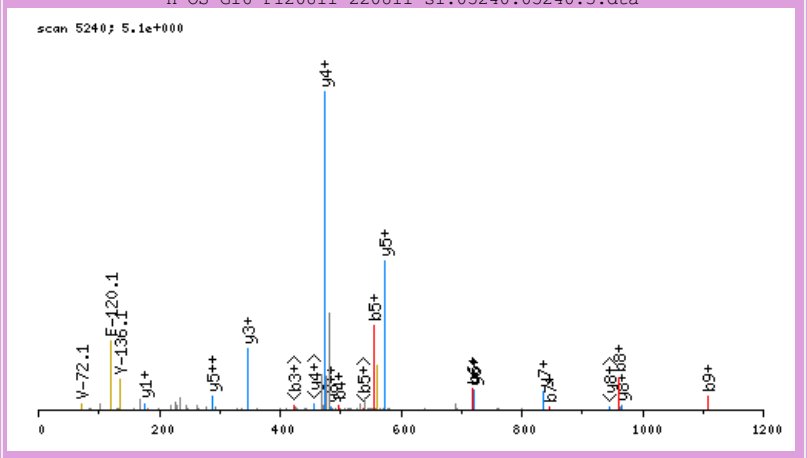
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
300.1923	2	D	13	1444.6920	722.8499
397.2451	3	P	12	1329.6650	665.3364
484.2771	4	S	11	1232.6123	616.8100
571.3092	5	S	10	1145.5802	573.2940
685.3521	6	N	9	1058.5482	529.7780
800.3790	7	D	8	944.5053	472.7566
897.4318	8	P	7	**829.4783**	**415.2431**
1010.5159	9	L	6	**732.4256**	366.7167
1111.5635	10	T	5	**619.3415**	310.1747
1240.6061	11	E	4	518.2938	259.6508
1341.6538	12	T	3	389.2512	195.1295
1454.7379	13	I	2	288.2036	**144.6057**
	14	R	1	175.1195	88.0637

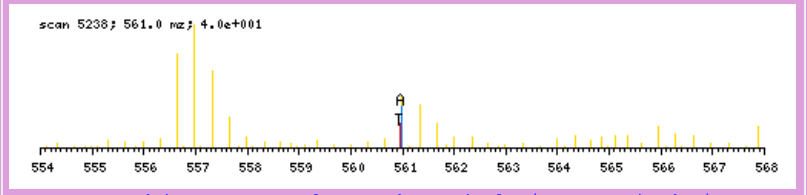
N-term:+29.04 K(1):+156.13

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

KDQGGYEDFVEGLR, MH+ 1680.8869, m/z 560.9672
H OS G16 P120811 220811-s1.05240.05240.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



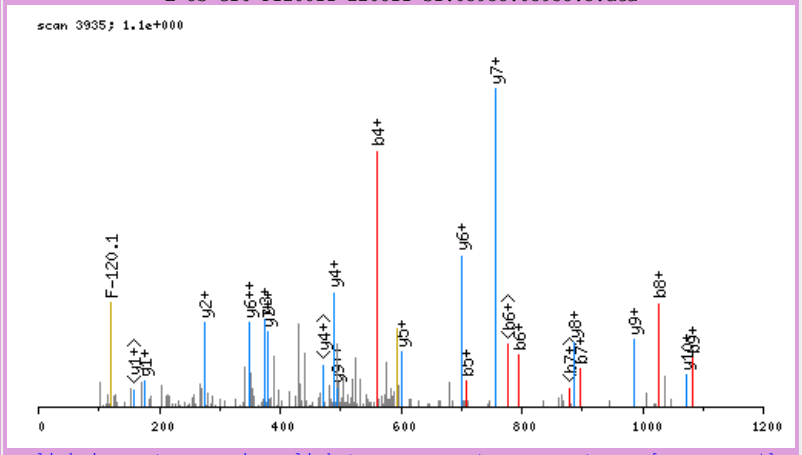
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
312.2559	2	D	13	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

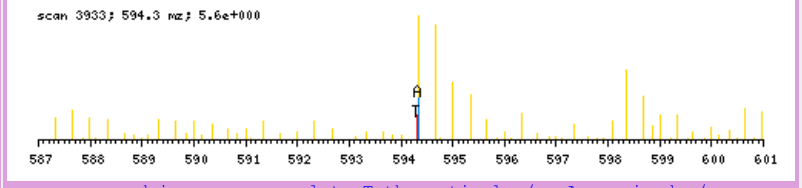
N-term:+35.07 K(1):+162.16

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

KDTCFSTEGPNLVTR, MH+ 1780.8903, m/z 594.3016
L OS G16 P120811 220811-s1.03935.03935.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



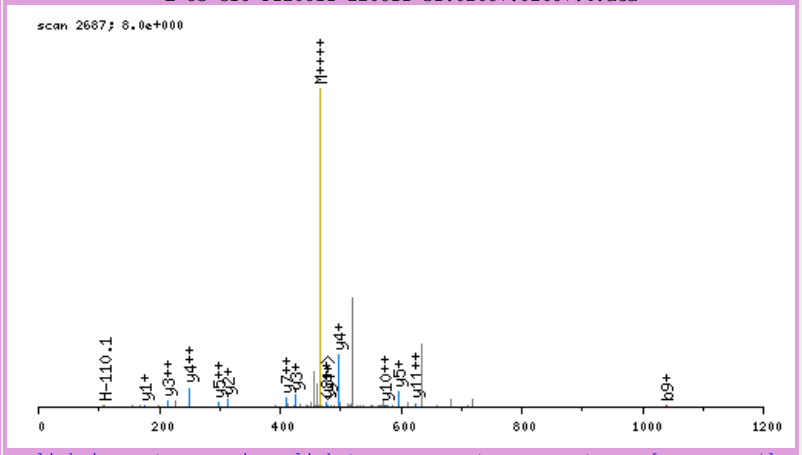
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
300.1923	2	D	14	1596.7327	798.8703
401.2400	3	T	13	1481.7058	741.3568
561.2706	4	C	12	1380.6581	690.8330
708.3390	5	F	11	1220.6275	610.8177
795.3711	6	S	10	**1073.5591**	537.2835
896.4187	7	T	9	**986.5271**	**493.7675**
1025.4613	8	E	8	**885.4794**	443.2436
1082.4828	9	G	7	**756.4368**	**378.7223**
1179.5356	10	P	6	**699.4153**	**350.2116**
1293.5785	11	N	5	**602.3626**	301.6852
1406.6626	12	L	4	**488.3197**	244.6637
1505.7310	13	V	3	**375.2356**	188.1217
1606.7786	14	T	2	**276.1672**	138.5875
	15	R	1	**175.1195**	88.0637

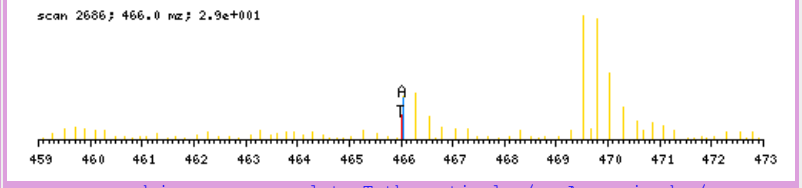
N-term:+29.04 K(1):+156.13
C(4):+160.03

KDTGKTPVEPEVAIHR, MH+ 1861.0548, m/z 466.0191
L OS G18 P120811 220811-s1.02687.02687.4.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±]



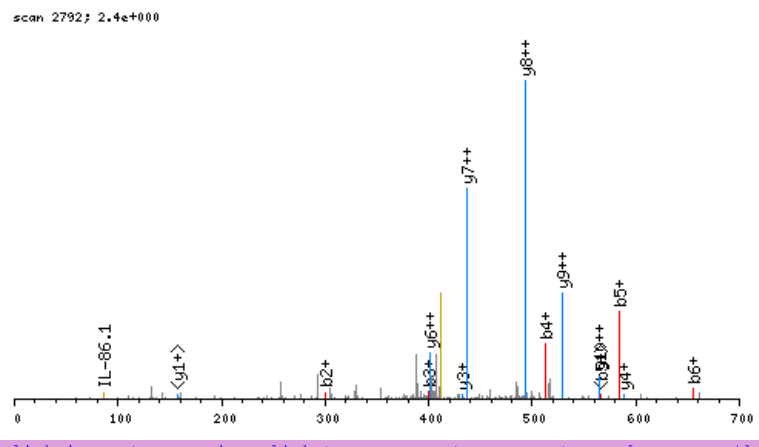
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
300.1923	2	D	15	1676.8972	838.9525
401.2400	3	T	14	1561.8703	781.4390
458.2615	4	G	13	1460.8226	730.9152
614.3878	5	K	12	1403.8011	702.4045
715.4355	6	T	11	1247.6748	**624.3413**
812.4882	7	P	10	1146.6271	**573.8175**
911.5566	8	V	9	1049.5744	525.2911
1040.5992	9	E	8	950.5060	**475.7569**
1137.6520	10	P	7	821.4634	**411.2356**
1266.6946	11	E	6	724.4106	362.7092
1365.7630	12	V	5	**595.3680**	**298.1879**
1436.8001	13	A	4	**496.2996**	**248.6537**
1549.8842	14	I	3	**425.2625**	**213.1352**
1686.9431	15	H	2	**312.1784**	156.5931
	16	R	1	**175.1195**	88.0637

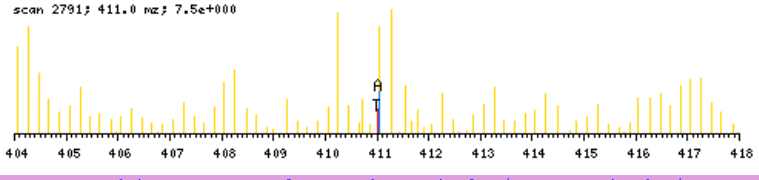
N-term:+29.04 K(1):+156.13
K(5):+156.13

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

KDVNAAIATIKTKR, MH+ 1641.0428, m/z 411.0162
L OS G18 P120811 220811-s1.02792.02792.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



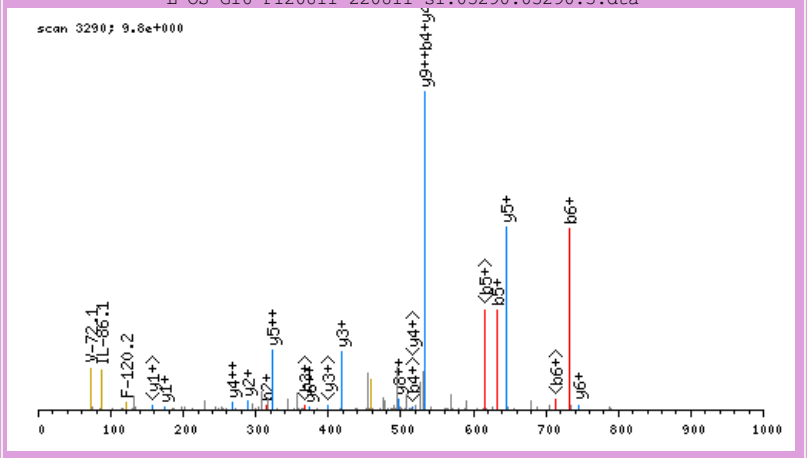
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
300.1923	2	D	13	1456.8852	728.9465
399.2608	3	V	12	1341.8583	671.4330
513.3037	4	N	11	1242.7899	621.8988
584.3408	5	A	10	1128.7469	**564.8774**
655.3779	6	A	9	1057.7098	**529.3588**
768.4620	7	I	8	986.6727	**493.8403**
839.4991	8	A	7	873.5886	**437.2982**
940.5468	9	T	6	802.5515	**401.7797**
1053.6308	10	I	5	701.5038	351.2558
1209.7571	11	K	4	**588.4198**	294.7138
1310.8048	12	T	3	**432.2935**	216.6507
1466.9311	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

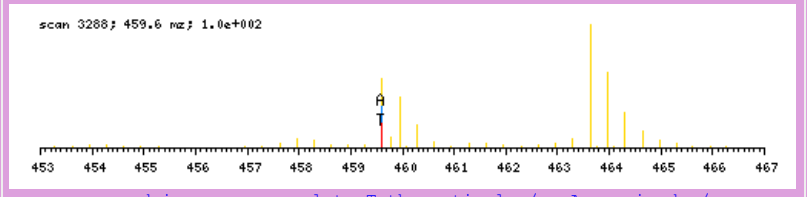
N-term:+29.04 K(1):+156.13
K(11):+156.13 K(13):+156.13

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

KEAFTVIDQNR, MH+ 1376.7538, m/z 459.5895
L OS G16 P120811 220811-s1.03290.03290.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



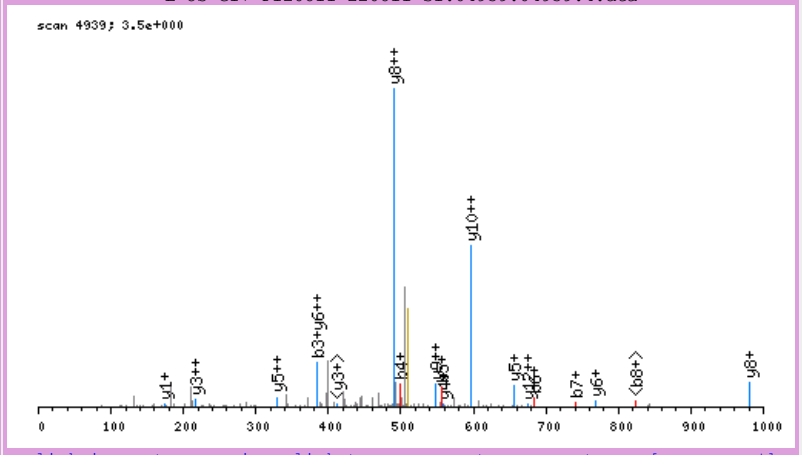
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

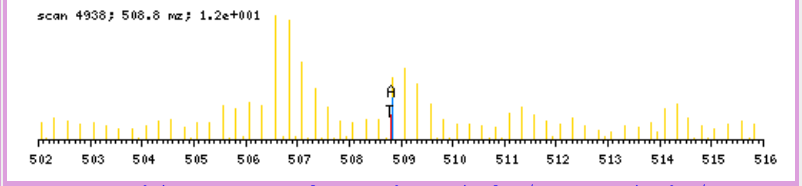
N-term:+29.04 K(1):+156.13

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+ 2032.1807, m/z 508.8006
L OS G17 P120811 220811-s1.04939.04939.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

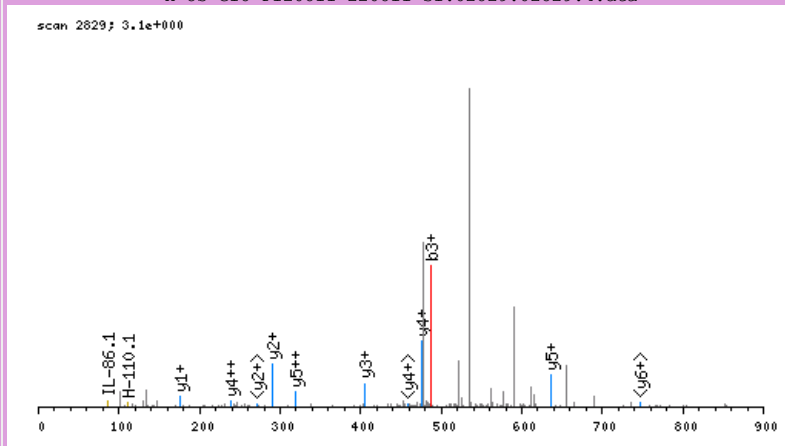


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

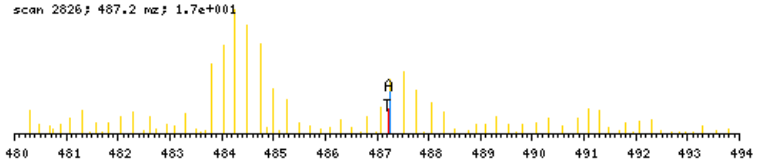
b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	18		
314.2080	2	E	17	1848.0231	924.5155
385.2451	3	A	16	1718.9805	859.9942
498.3292	4	I	15	1647.9434	824.4756
555.3506	5	G	14	1534.8594	767.9336
683.4092	6	Q	13	1477.8379	739.4229
740.4307	7	G	12	1349.7793	**675.3936**
841.4784	8	T	11	1292.7578	646.8828
938.5311	9	P	10	1191.7102	**596.3590**
1051.6152	10	I	9	1094.6574	**547.8326**
1148.6679	11	P	8	**981.5733**	**491.2906**
1263.6949	12	D	7	884.5206	442.7642
1376.7790	13	L	6	**769.4936**	**385.2507**
1473.8317	14	P	5	**656.4096**	**328.7087**
1602.8743	15	E	4	**559.3568**	280.1823
1701.9427	16	V	3	430.3142	**215.6610**
1858.0690	17	K	2	331.2458	166.1268
	18	R	1	**175.1195**	88.0637

N-term:+29.04 K(1):+156.13
K(17):+156.13

KECCHGDLLECADDR, MH+ 1945.8841, m/z 487.2265
H OS G18 P120811 220811-s1.02829.02829.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

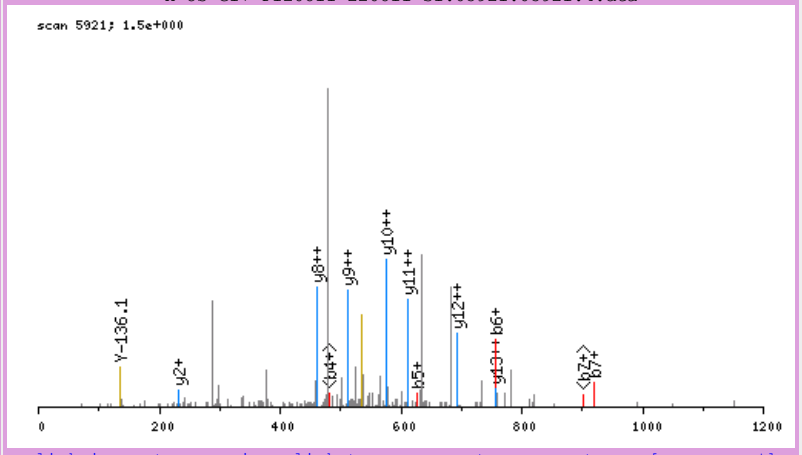
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
326.2716	2	E	14	1749.6629	875.3354
486.3022	3	C	13	1620.6203	810.8141
646.3328	4	C	12	1460.5897	730.7988
783.3917	5	H	11	1300.5591	650.7835
840.4132	6	G	10	1163.5002	582.2540
955.4401	7	D	9	1106.4788	553.7433
1068.5242	8	L	8	991.4518	496.2298
1181.6082	9	L	7	878.3678	439.6878
1310.6508	10	E	6	765.2837	383.1458
1470.6814	11	C	5	**636.2411**	**318.6245**
1541.7185	12	A	4	**476.2105**	**238.6092**
1656.7455	13	D	3	**405.1734**	203.0906
1771.7724	14	D	2	**290.1464**	145.5771
	15	R	1	**175.1195**	88.0637

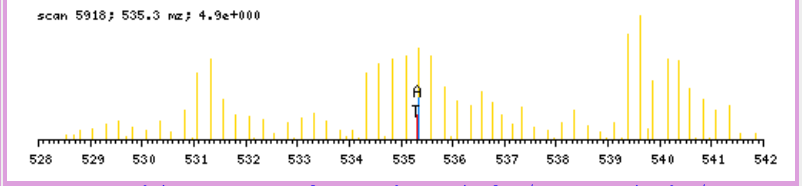
N-term:+35.07 K(1):+162.16
C(3):+160.03 C(4):+160.03
C(11):+160.03

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

KEDGQEYAQVIKMLGNGR, MH+ 2138.2128, m/z 535.3087
H OS G17 P120811 220811-s1.05921.05921.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



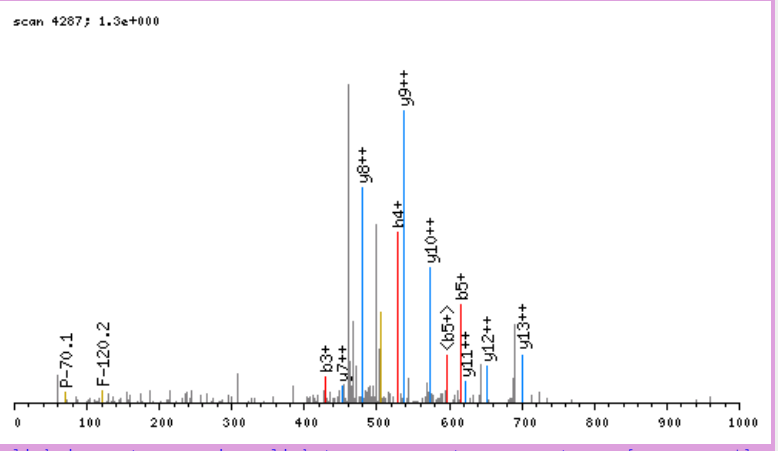
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	18		
326.2716	2	E	17	1941.9917	971.4997
441.2985	3	D	16	1812.9491	906.9785
498.3200	4	G	15	1697.9221	849.4650
626.3786	5	Q	14	1640.9007	820.9542
755.4212	6	E	13	1512.8421	**756.9250**
918.4845	7	Y	12	1383.7995	**692.4037**
989.5216	8	A	11	1220.7362	**610.8720**
1117.5802	9	Q	10	1149.6991	**575.3534**
1216.6486	10	V	9	1021.6405	**511.3242**
1329.7327	11	I	8	922.5721	**461.7899**
1491.8908	12	K	7	809.4880	405.2479
1622.9313	13	M	6	647.3299	324.1689
1736.0153	14	L	5	516.2894	258.6486
1793.0368	15	G	4	403.2054	202.1066
1907.0797	16	N	3	346.1839	173.5959
1964.1012	17	G	2	**232.1410**	116.5744
	18	R	1	175.1195	88.0637

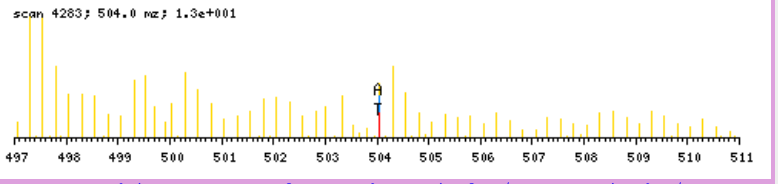
N-term:+35.07 K(1):+162.16
K(12):+162.16

KEDVSPGTAIGKTPEMLR, MH+ 2013.1055, m/z 504.0318
L OS G17 P120811 220811-s1.04287.04287.4.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±]

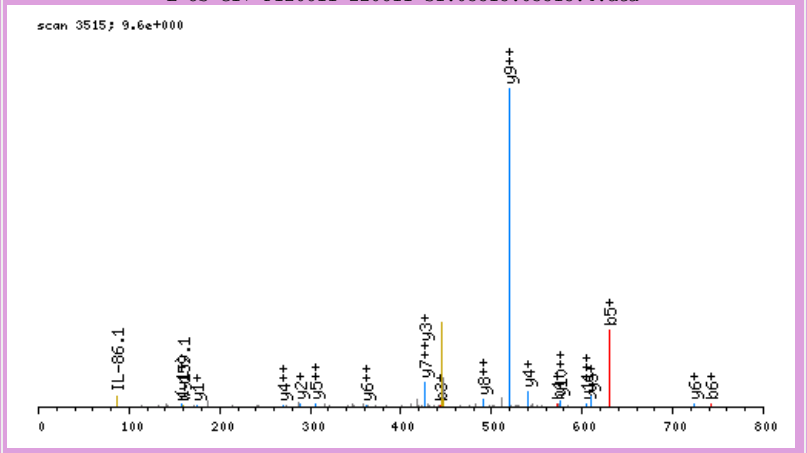


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

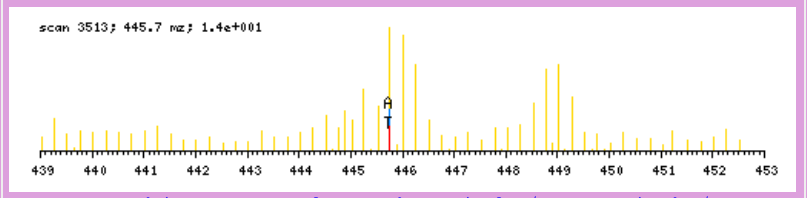
b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	18		
314.2080	2	E	17	1828.9479	914.9779
429.2349	3	D	16	1699.9053	850.4566
528.3034	4	V	15	1584.8784	792.9431
615.3354	5	S	14	1485.8100	743.4089
712.3881	6	P	13	1398.7779	**699.8929**
769.4096	7	G	12	1301.7252	**651.3665**
870.4573	8	T	11	1244.7037	**622.8558**
941.4944	9	A	10	1143.6560	**572.3319**
1054.5785	10	I	9	1072.6189	**536.8134**
1111.5999	11	G	8	959.5348	**480.2713**
1267.7262	12	K	7	902.5134	**451.7606**
1368.7739	13	T	6	746.3871	373.6975
1465.8267	14	P	5	645.3394	323.1736
1594.8693	15	E	4	548.2866	274.6472
1725.9097	16	M	3	419.2440	210.1259
1838.9938	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

N-term:+29.04 K(1):+156.13
K(12):+156.13

KEEEGIGEELAIHNR, MH+ 1779.9241, m/z 445.7365
L OS G17 P120811 220811-s1.03515.03515.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

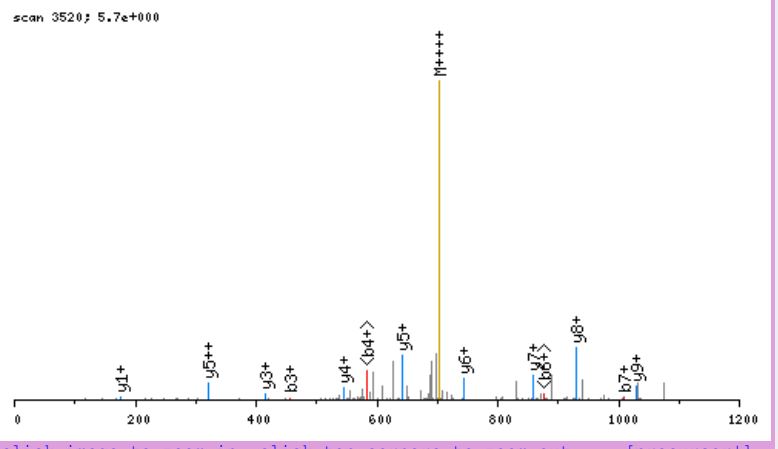
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	15		
314.2080	2	E	14	1595.7665	798.3872
443.2506	3	E	13	1466.7239	733.8659
572.2932	4	E	12	1337.6814	669.3446
629.3146	5	G	11	1208.6388	**604.8233**
742.3987	6	I	10	1151.6173	**576.3126**
799.4202	7	G	9	1038.5332	**519.7705**
928.4628	8	E	8	981.5118	**491.2598**
1057.5054	9	E	7	852.4692	**426.7385**
1170.5894	10	L	6	**723.4266**	**362.2172**
1241.6265	11	A	5	**610.3425**	**305.6752**
1354.7106	12	I	4	**539.3054**	**270.1566**
1491.7695	13	H	3	**426.2213**	213.6146
1605.8124	14	N	2	**289.1624**	145.0851
	15	R	1	**175.1195**	88.0637

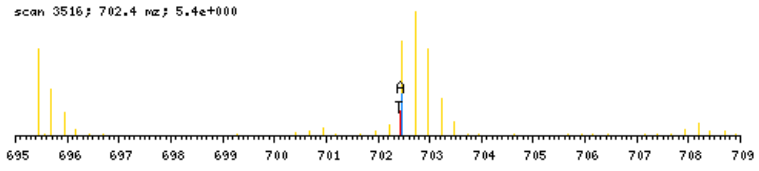
N-term:+29.04 K(1):+156.13

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

KEEFEKNKGKGFSVVADTPELQR, MH+ 2806.6840, m/z 702.4265
H OS G19 P120811 220811-s1.03520.03520.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



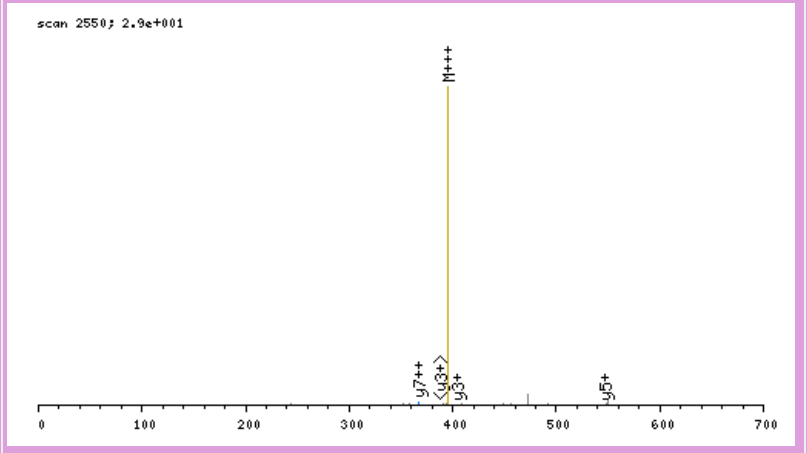
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	23		
326.2716	2	E	22	2610.4629	1305.7353
455.3142	3	E	21	2481.4203	1241.2140
602.3826	4	F	20	2352.3777	1176.6927
731.4252	5	E	19	2205.3093	1103.1585
893.5833	6	K	18	2076.2667	1038.6372
1007.6262	7	N	17	1914.1086	957.5582
1169.7843	8	K	16	1800.0656	900.5367
1226.8058	9	G	15	1637.9075	819.4577
1388.9639	10	K	14	1580.8861	790.9469
1445.9853	11	G	13	1418.7280	709.8679
1593.0538	12	F	12	1361.7065	681.3572
1680.0858	13	S	11	1214.6381	607.8230
1779.1542	14	V	10	1127.6061	564.3069
1878.2226	15	V	9	**1028.5376**	514.7727
1949.2597	16	A	8	**929.4692**	465.2385
2064.2867	17	D	7	**858.4321**	429.7200
2165.3344	18	T	6	**743.4052**	372.2065
2262.3871	19	P	5	**642.3575**	**321.6827**
2391.4297	20	E	4	**545.3047**	273.1563
2504.5138	21	L	3	**416.2621**	208.6350
2632.5724	22	Q	2	303.1781	152.0930
	23	R	1	**175.1195**	88.0637

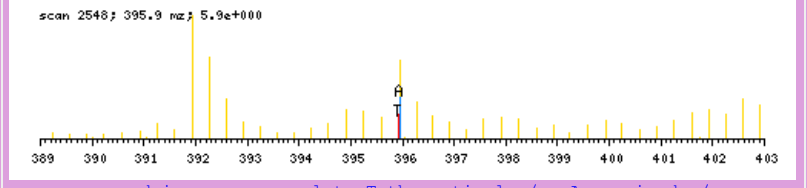
N-term:+35.07 K(1):+162.16
K(6):+162.16 K(8):+162.16
K(10):+162.16

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

KEELAAAMVR, MH+ 1185.7302, m/z 395.9149
H OS G16 P120811 220811-s1.02550.02550.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



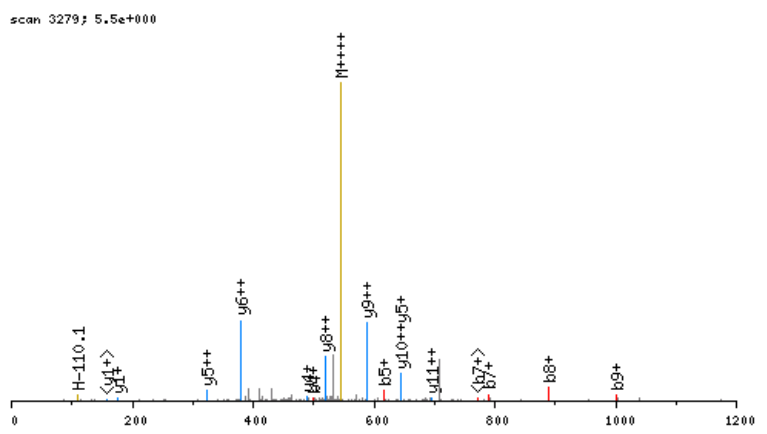
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	10		
326.2716	2	E	9	989.5090	495.2584
455.3142	3	E	8	860.4664	430.7371
568.3983	4	L	7	731.4238	**366.2158**
639.4354	5	A	6	618.3397	309.6738
710.4725	6	A	5	**547.3026**	274.1552
781.5096	7	A	4	476.2655	238.6367
912.5501	8	M	3	**405.2284**	203.1181
1011.6185	9	V	2	274.1879	137.5979
	10	R	1	175.1195	88.0637

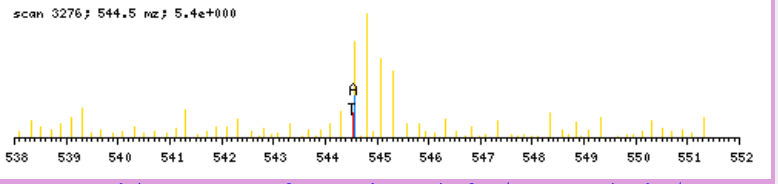
N-term:+35.07 K(1):+162.16

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

KEGEDSSVIHYDDKAIER, MH+ 2175.0934, m/z 544.5288
L OS G18 P120811 220811-s1.03279.03279.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



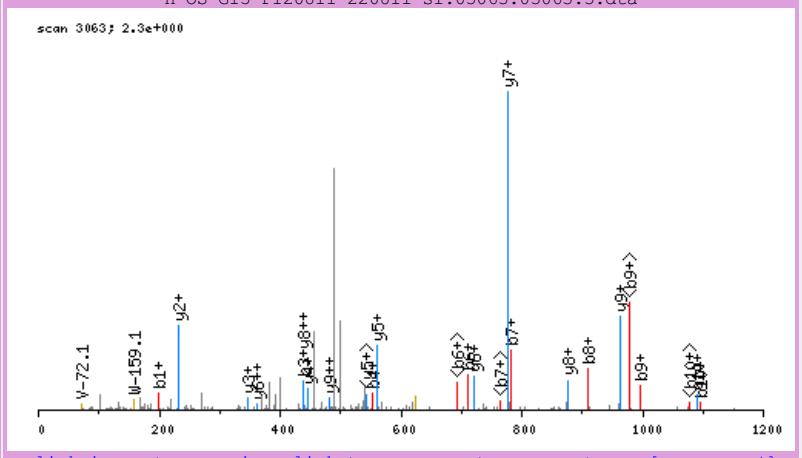
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	18		
314.2080	2	E	17	1990.9358	995.9718
371.2295	3	G	16	1861.8932	931.4505
500.2721	4	E	15	1804.8718	902.9398
615.2990	5	D	14	1675.8292	838.4185
702.3310	6	S	13	1560.8022	780.9050
789.3630	7	S	12	1473.7702	737.3890
888.4315	8	V	11	1386.7382	**693.8730**
1001.5155	9	I	10	1287.6698	**644.3388**
1138.5744	10	H	9	1174.5857	**587.7968**
1301.6378	11	Y	8	1037.5268	**519.2673**
1416.6647	12	D	7	874.4635	437.7356
1531.6917	13	D	6	759.4365	**380.2222**
1687.8180	14	K	5	**644.4096**	**322.7087**
1758.8551	15	A	4	**488.2833**	244.6455
1871.9391	16	I	3	417.2462	209.1270
2000.9817	17	E	2	304.1621	152.5850
	18	R	1	**175.1195**	88.0637

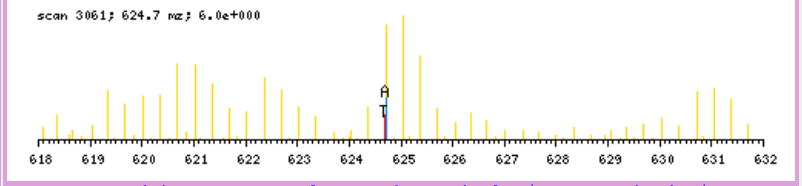
N-term:+29.04 K(1):+156.13
K(14):+156.13

KEILGTAQSVGCNVDGR, MH+ 1872.0285, m/z 624.6810
H OS G15 P120811 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±]



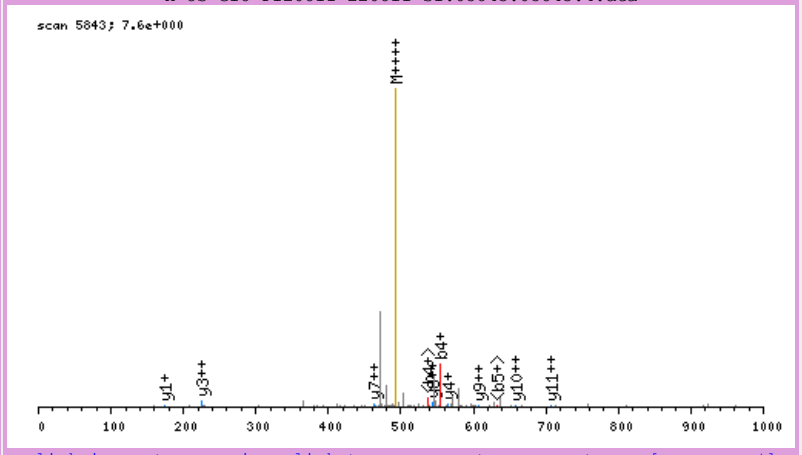
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	**1**	**K**	**17**		
326.2716	**2**	**E**	**16**	1675.8073	838.4076
439.3557	**3**	**I**	**15**	1546.7647	773.8863
552.4397	**4**	**L**	**14**	1433.6807	717.3442
609.4612	**5**	**G**	**13**	1320.5966	660.8022
710.5089	**6**	**T**	**12**	1263.5751	632.2915
781.5460	**7**	**A**	**11**	1162.5274	581.7676
909.6046	**8**	**Q**	**10**	**1091.4903**	546.2491
996.6366	**9**	**S**	**9**	**963.4318**	**482.2198**
1095.7050	**10**	**V**	**8**	**876.3997**	**438.7038**
1152.7265	**11**	**G**	**7**	**777.3313**	389.1696
1312.7571	**12**	**C**	**6**	**720.3098**	**360.6588**
1426.8000	**13**	**N**	**5**	**560.2792**	280.6435
1525.8684	**14**	**V**	**4**	**446.2363**	223.6221
1640.8953	**15**	**D**	**3**	**347.1679**	174.0879
1697.9168	**16**	**G**	**2**	**232.1410**	116.5744
	17	**R**	**1**	175.1195	88.0637

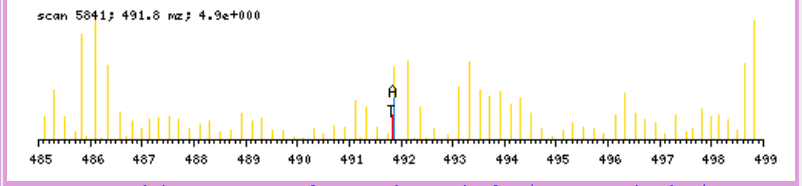
N-term:+35.07 K(1):+162.16
C(12):+160.03

KELDPVQKLFVDKIR, MH+ 1964.3221, m/z 491.8360
H OS G18 P120811 220811-s1.05843.05843.4.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±]



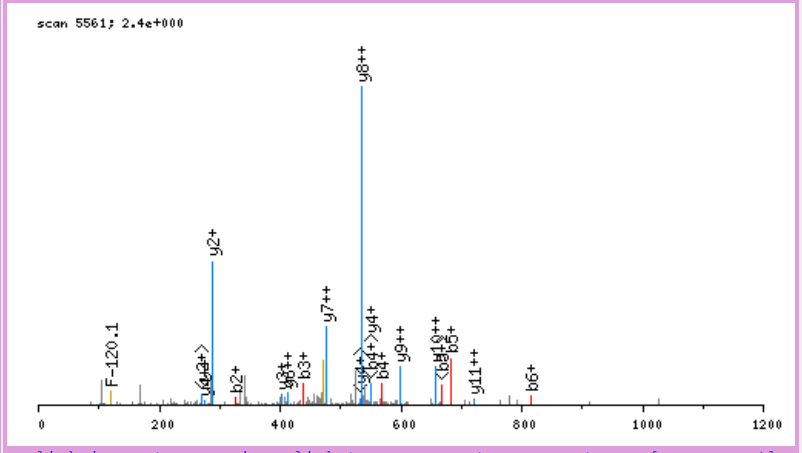
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
326.2716	2	E	14	1768.1010	884.5544
439.3557	3	L	13	1639.0584	820.0331
554.3826	4	D	12	1525.9743	763.4911
651.4354	5	P	11	1410.9474	**705.9776**
750.5038	6	V	10	1313.8946	**657.4512**
878.5624	7	Q	9	1214.8262	**607.9170**
1040.7205	8	K	8	1086.7676	**543.8877**
1153.8045	9	L	7	924.6095	**462.8087**
1300.8729	10	F	6	811.5254	406.2666
1399.9413	11	V	5	664.4570	332.7324
1514.9683	12	D	4	**565.3886**	283.1982
1677.1264	13	K	3	450.3617	**225.6847**
1790.2105	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

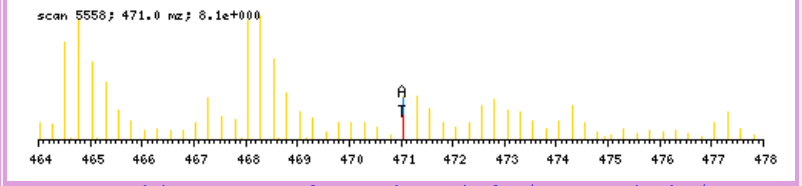
N-term:+35.07 K(1):+162.16
K(8):+162.16 K(13):+162.16

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

KELEDMNQKLFDLR, MH+ 1881.1004, m/z 471.0306
H OS G17 P120811 220811-s1.05561.05561.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



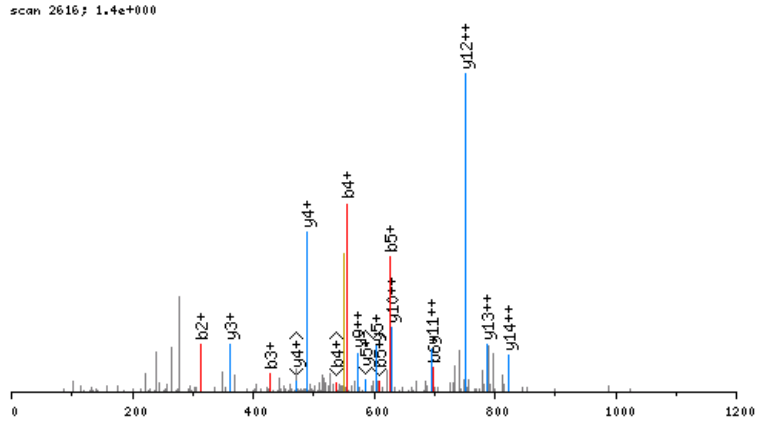
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
326.2716	2	E	13	1684.8793	842.9435
439.3557	3	L	12	1555.8367	778.4223
568.3983	4	E	11	1442.7526	**721.8802**
683.4252	5	D	10	1313.7100	**657.3589**
814.4657	6	M	9	1198.6831	**599.8455**
928.5086	7	N	8	1067.6426	**534.3252**
1056.5672	8	Q	7	953.5997	**477.3037**
1218.7253	9	K	6	825.5411	**413.2745**
1331.8093	10	L	5	663.3830	332.1954
1478.8778	11	F	4	**550.2989**	**275.6534**
1593.9047	12	D	3	**403.2305**	202.1192
1706.9888	13	L	2	**288.2036**	144.6057
	14	R	1	175.1195	88.0637

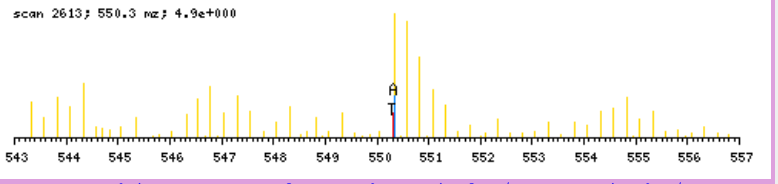
N-term:+35.07 K(1):+162.16
K(9):+162.16

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

KELQAANENKQQELESVR, MH+ 2198.1781, m/z 550.3000
L OS G17 P120811 220811-s1.02616.02616.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



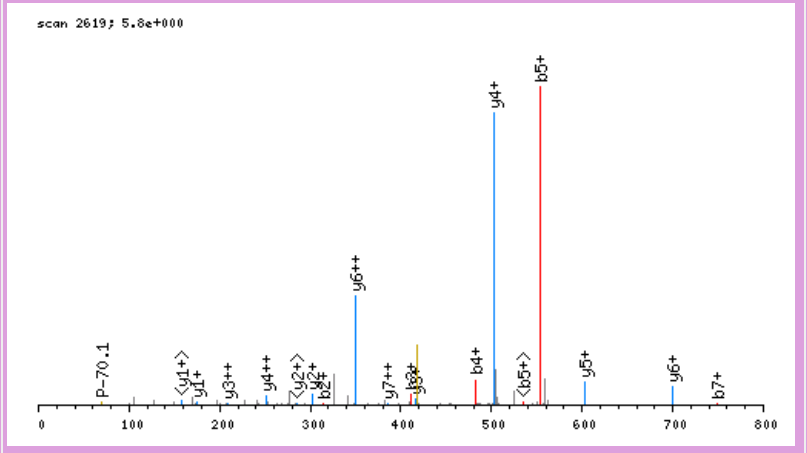
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	18		
314.2080	2	E	17	2014.0206	1007.5142
427.2921	3	L	16	1884.9780	942.9929
555.3506	4	Q	15	1771.8939	886.4509
626.3877	5	A	14	1643.8353	**822.4216**
697.4249	6	A	13	1572.7982	**786.9030**
811.4678	7	N	12	1501.7611	**751.3845**
940.5104	8	E	11	1387.7182	**694.3630**
1054.5533	9	N	10	1258.6756	**629.8417**
1210.6796	10	K	9	1144.6326	**572.8202**
1338.7382	11	Q	8	988.5063	494.7571
1466.7968	12	Q	7	860.4478	430.7278
1595.8394	13	E	6	732.3892	366.6985
1708.9234	14	L	5	**603.3466**	302.1772
1837.9660	15	E	4	**490.2625**	245.6352
1924.9980	16	S	3	**361.2199**	181.1139
2024.0665	17	V	2	274.1879	137.5979
	18	R	1	175.1195	88.0637

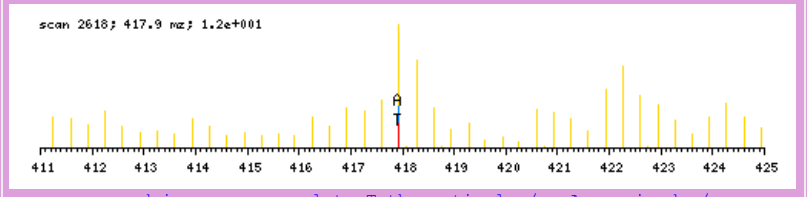
N-term:+29.04 K(1):+156.13
K(10):+156.13

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

KEPAAPVSIQR, MH+ 1251.7425, m/z 417.9190
L OS G16 P120811 220811-s1.02619.02619.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



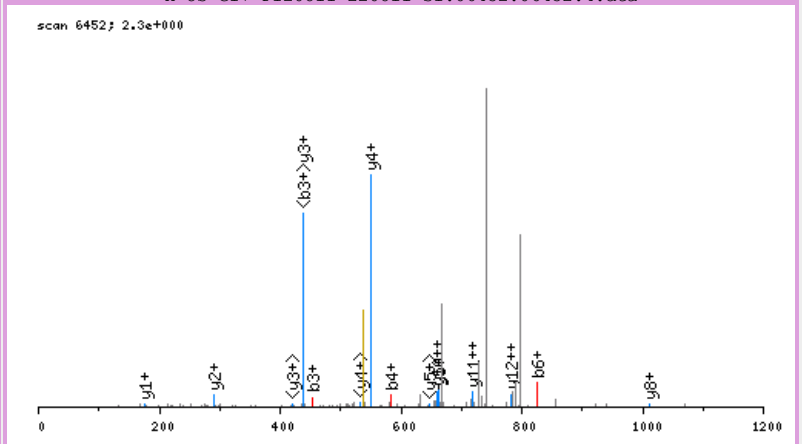
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

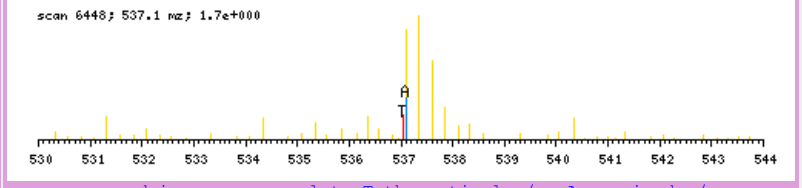
N-term:+29.04 K(1):+156.13

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

KEQQEDFKEAFLLFDR, MH+ 2145.2081, m/z 537.0575
H OS G17 P120811 220811-s1.06452.06452.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



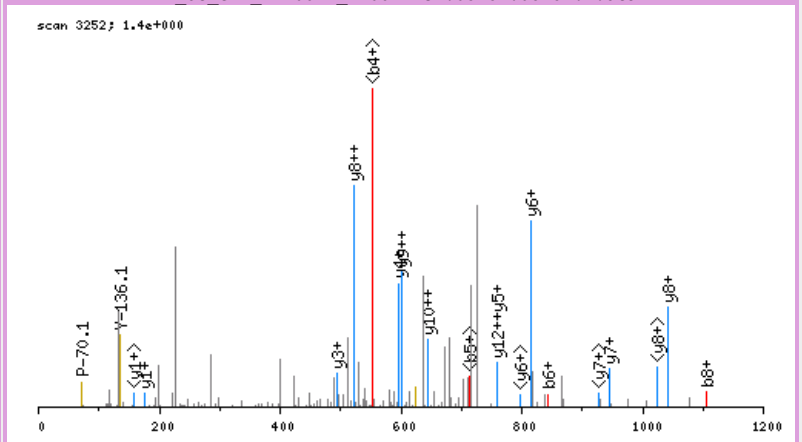
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	16		
326.2716	2	E	15	1948.9869	974.9974
454.3302	3	Q	14	1819.9443	910.4761
582.3887	4	Q	13	1691.8857	846.4468
711.4313	5	E	12	1563.8272	**782.4175**
826.4583	6	D	11	1434.7846	**717.8962**
973.5267	7	F	10	1319.7576	**660.3827**
1135.6848	8	K	9	1172.6892	586.8485
1264.7274	9	E	8	**1010.5311**	505.7695
1335.7645	10	A	7	881.4885	441.2482
1482.8329	11	F	6	810.4514	405.7296
1595.9170	12	L	5	**663.3830**	332.1954
1709.0010	13	L	4	**550.2989**	275.6534
1856.0695	14	F	3	**437.2149**	219.1113
1971.0964	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

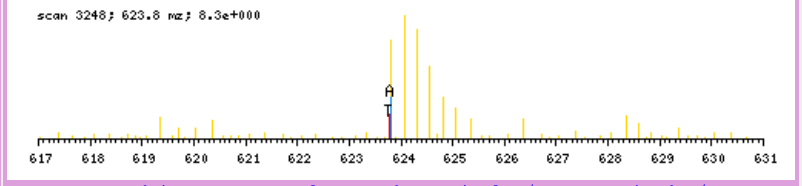
N-term:+35.07 K(1):+162.16
K(8):+162.16

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

KEVKCDMEVSCPEGYTCCR, MH+ 2492.0751, m/z 623.7742
L_OS_G17_P120811_220811-s1.03252.03252.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



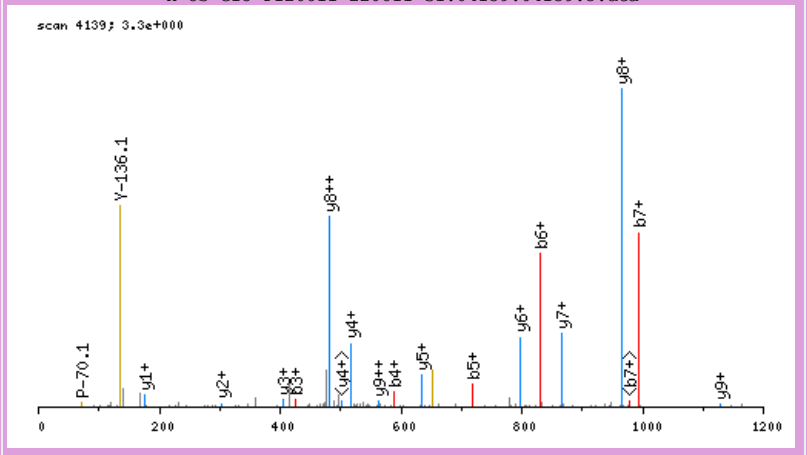
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	19		
314.2080	2	E	18	2307.9175	1154.4627
413.2764	3	V	17	2178.8749	1089.9414
569.4027	4	K	16	2079.8065	1040.4072
729.4333	5	C	15	1923.6802	962.3440
844.4603	6	D	14	1763.6496	882.3287
975.5007	7	M	13	1648.6226	824.8152
1104.5433	8	E	12	1517.5822	**759.2950**
1203.6117	9	V	11	1388.5396	694.7737
1290.6438	10	S	10	1289.4712	**645.2395**
1450.6744	11	C	9	1202.4391	**601.7235**
1547.7271	12	P	8	**1042.4085**	**521.7082**
1676.7697	13	E	7	**945.3558**	473.1818
1733.7912	14	G	6	**816.3132**	408.6605
1896.8545	15	Y	5	**759.2917**	380.1498
1997.9022	16	T	4	**596.2284**	298.6181
2157.9328	17	C	3	**495.1807**	248.0943
2317.9634	18	C	2	335.1501	168.0790
	19	R	1	**175.1195**	88.0637

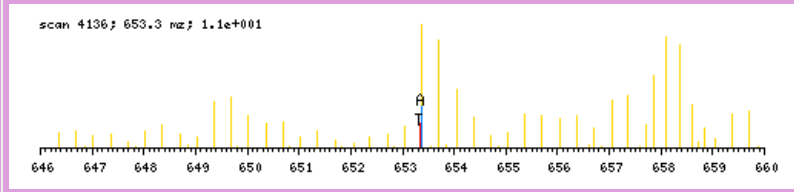
N-term:+29.04 K(1):+156.13
K(4):+156.13 C(5):+160.03
C(11):+160.03 C(17):+160.03
C(18):+160.03

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

KEVYENYPAYDLTER, MH+ 1958.0183, m/z 653.3443
H OS G15 P120811 220811-s1.04139.04139.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



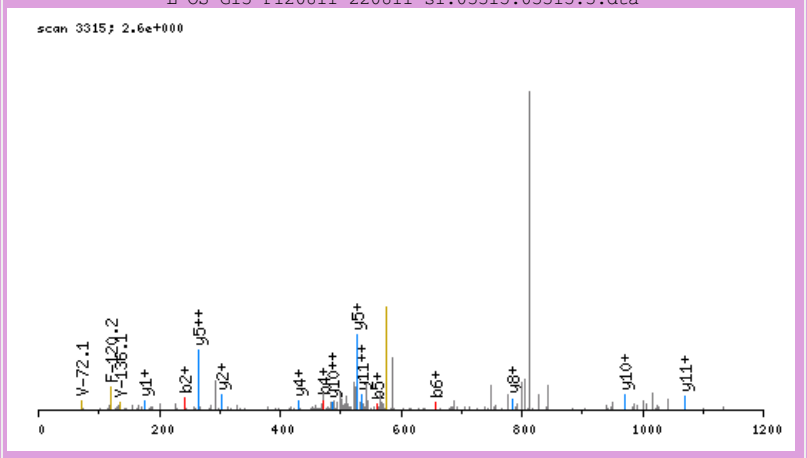
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
326.2716	2	E	14	1761.7972	881.4025
425.3400	3	V	13	1632.7546	816.8812
588.4033	4	Y	12	1533.6862	767.3470
717.4459	5	E	11	1370.6228	685.8153
831.4889	6	N	10	1241.5802	621.2940
994.5522	7	Y	9	**1127.5373**	**564.2726**
1091.6049	8	P	8	**964.4740**	**482.7409**
1162.6421	9	A	7	**867.4212**	434.2145
1325.7054	10	Y	6	**796.3841**	398.6960
1440.7323	11	D	5	**633.3208**	317.1643
1553.8164	12	L	4	**518.2938**	259.6508
1654.8641	13	T	3	**405.2098**	203.1088
1783.9067	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

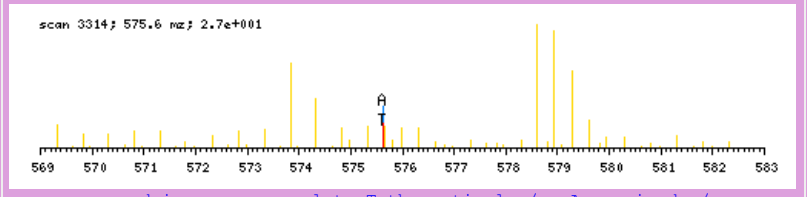
N-term:+35.07 K(1):+162.16

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

KGDDSPVANGAEPAGQR, MH+ 1724.8568, m/z 575.6238
L OS G13 P120811 220811-s1.03315.03315.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



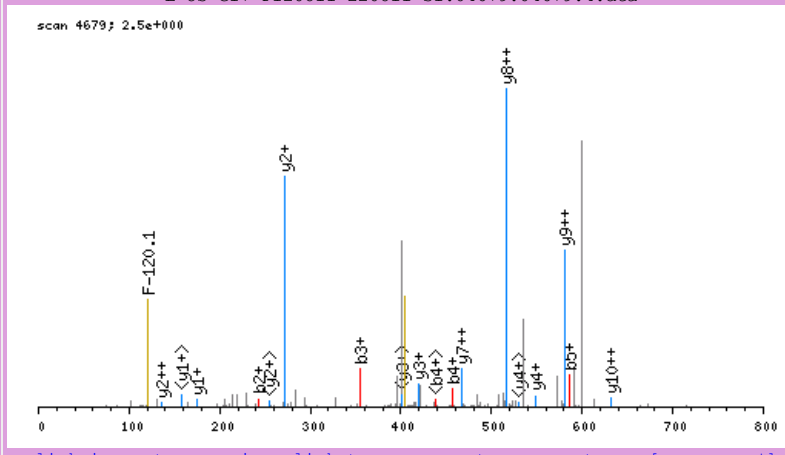
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
242.1869	2	G	16	1540.6992	770.8535
357.2138	3	D	15	1483.6777	742.3428
472.2407	4	D	14	1368.6508	684.8293
559.2728	5	S	13	1253.6238	627.3158
656.3255	6	P	12	1166.5918	583.7998
755.3940	7	V	11	**1069.5390**	**535.2734**
826.4311	8	A	10	**970.4706**	**485.7392**
940.4740	9	N	9	899.4335	450.2207
997.4955	10	G	8	**785.3906**	393.1992
1068.5326	11	A	7	728.3691	364.6885
1197.5752	12	E	6	657.3320	329.1699
1294.6279	13	P	5	**528.2894**	**264.6486**
1365.6650	14	A	4	**431.2367**	216.1222
1422.6865	15	G	3	360.1995	180.6037
1550.7451	16	Q	2	**303.1781**	152.0930
	17	R	1	**175.1195**	88.0637

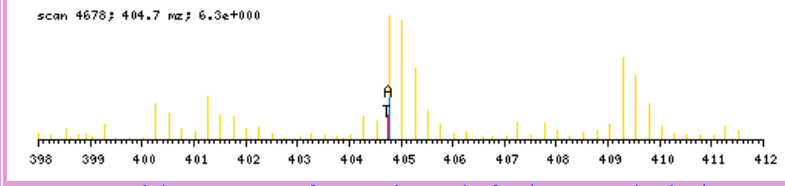
N-term:+29.04 K(1):+156.13

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

KGLTEVKIDEFPR, MH+ 1615.9424, m/z 404.7410
L OS G17 P120811 220811-s1.04679.04679.4.dta



click image to zoom in; 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		
242.1869	2	G	12	1431.7848	716.3963
355.2709	3	L	11	1374.7633	687.8856
456.3186	4	T	10	1261.6793	**631.3435**
585.3612	5	E	9	1160.6316	**580.8197**
684.4296	6	V	8	1031.5890	**516.2984**
840.5559	7	K	7	932.5206	**466.7642**
953.6400	8	I	6	776.3943	388.7011
1068.6669	9	D	5	663.3102	332.1590
1197.7095	10	E	4	**548.2833**	274.6455
1344.7779	11	F	3	**419.2407**	210.1243
1441.8307	12	P	2	**272.1723**	**136.5900**
	13	R	1	**175.1195**	88.0637

N-term:+29.04 K(1):+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+]

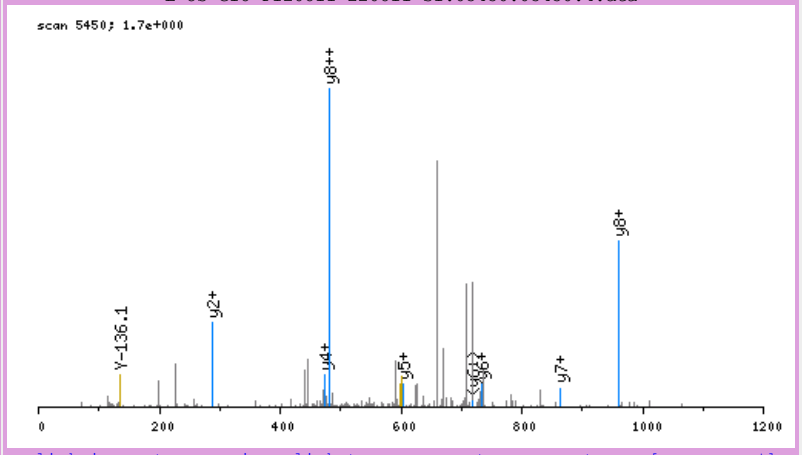
z [+] [2+] [3+]

hide H_2O/NH_3

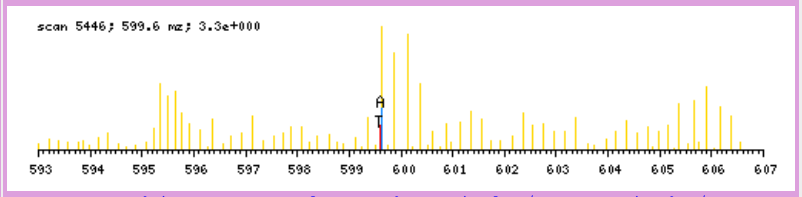
zoom 112-122

GO

KGPKLKGEIDASVPEMEADLR, MH+ 2395.3271, m/z 599.5872
L OS G18 P120811 220811-s1.05450.05450.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



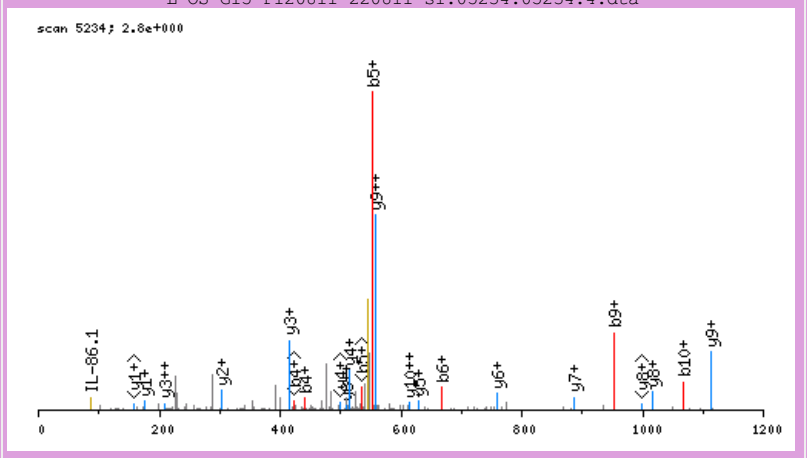
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	21		
242.1869	2	G	20	2211.1696	1106.0887
339.2396	3	P	19	2154.1481	1077.5780
495.3659	4	K	18	2057.0953	1029.0516
608.4500	5	L	17	1900.9690	950.9884
764.5763	6	K	16	1787.8850	894.4464
821.5978	7	G	15	1631.7587	816.3833
950.6403	8	E	14	1574.7372	787.8725
1063.7244	9	I	13	1445.6946	723.3512
1178.7514	10	D	12	1332.6106	666.8092
1249.7885	11	A	11	1217.5836	609.2957
1336.8205	12	S	10	1146.5465	573.7772
1435.8889	13	V	9	1059.5145	530.2611
1532.9417	14	P	8	**960.4461**	**480.7269**
1661.9843	15	E	7	**863.3933**	432.2006
1793.0248	16	M	6	**734.3507**	367.6793
1922.0673	17	E	5	**603.3102**	302.1590
1993.1045	18	A	4	**474.2676**	237.6377
2108.1314	19	D	3	403.2305	202.1192
2221.2155	20	L	2	**288.2036**	144.6057
	21	R	1	175.1195	88.0637

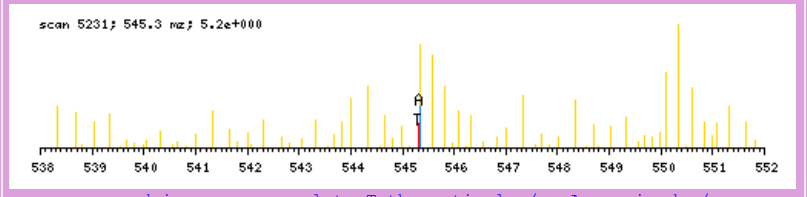
N-term:+29.04 K(1):+156.13
K(4):+156.13 K(6):+156.13

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

KGPTLLDGDLPEQENVLQR, MH+ 2178.1770, m/z 545.2997
L OS G15 P120811 220811-s1.05234.05234.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



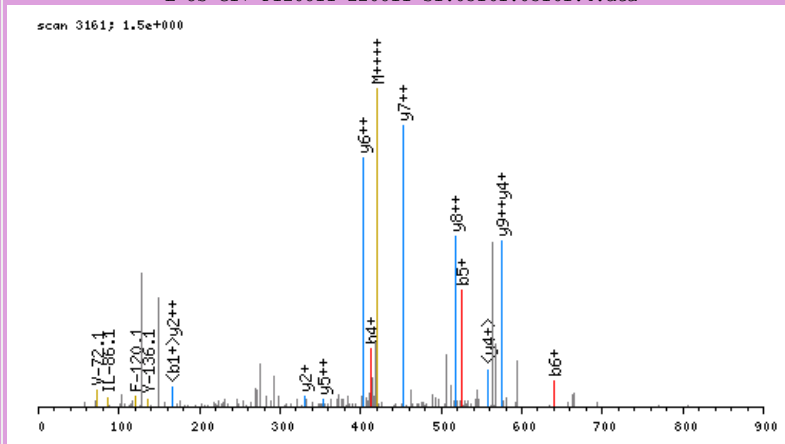
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	19		
242.1869	2	G	18	1994.0195	997.5136
339.2396	3	P	17	1936.9980	969.0029
440.2873	4	T	16	1839.9452	920.4765
553.3714	5	L	15	1738.8976	869.9527
666.4554	6	L	14	1625.8135	813.4107
781.4824	7	D	13	1512.7294	756.8686
838.5038	8	G	12	1397.7025	699.3552
953.5308	9	D	11	1340.6810	670.8444
1066.6148	10	L	10	1225.6541	**613.3310**
1163.6676	11	P	9	**1112.5700**	**556.7889**
1292.7102	12	E	8	**1015.5172**	**508.2625**
1420.7688	13	Q	7	**886.4747**	443.7412
1549.8114	14	E	6	**758.4161**	379.7120
1663.8543	15	N	5	**629.3735**	315.1907
1762.9227	16	V	4	**515.3306**	258.1692
1876.0068	17	L	3	**416.2621**	**208.6350**
2004.0654	18	Q	2	**303.1781**	152.0930
	19	R	1	**175.1195**	88.0637

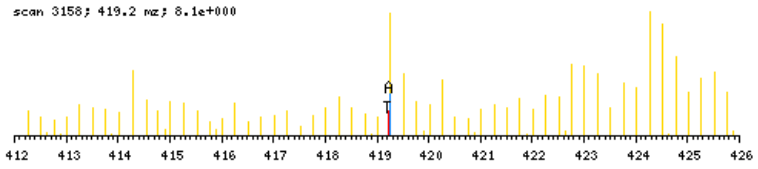
N-term:+29.04 K(1):+156.13

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

KGVAINMVTEEDKR, MH+ 1673.9261, m/z 419.2370
L OS G17 P120811 220811-s1.03161.03161.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



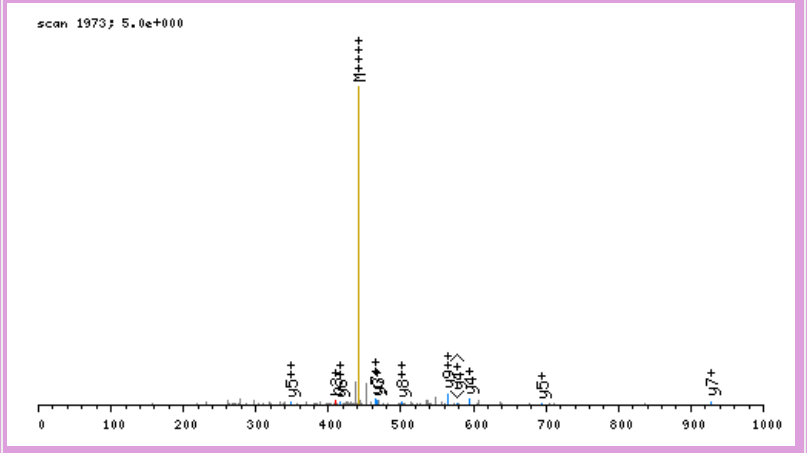
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
242.1869	2	G	13	1489.7685	745.3882
341.2553	3	V	12	1432.7470	716.8774
412.2924	4	A	11	1333.6786	667.3432
525.3765	5	I	10	1262.6415	631.8247
639.4194	6	N	9	1149.5574	**575.2826**
770.4599	7	M	8	1035.5145	**518.2612**
869.5283	8	V	7	904.4740	**452.7409**
970.5760	9	T	6	805.4056	**403.2067**
1099.6186	10	E	5	704.3579	**352.6829**
1228.6611	11	E	4	**575.3153**	288.1616
1343.6881	12	D	3	446.2727	223.6403
1499.8144	13	K	2	**331.2458**	**166.1268**
	14	R	1	175.1195	88.0637

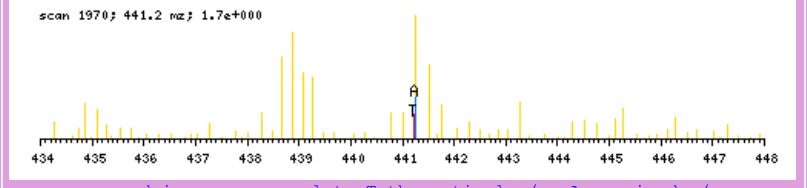
N-term:+29.04 K(1):+156.13
K(13):+156.13

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

KHSPQEAPHVQYER, MH+ 1761.9037, m/z 441.2314
L OS G19 P120811 220811-s1.01973.01973.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

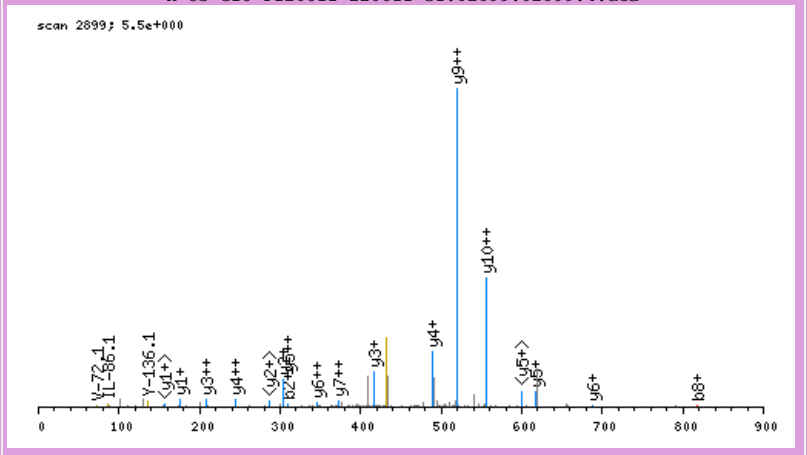


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

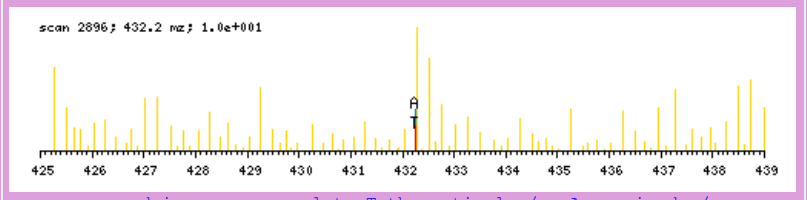
b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
322.2243	2	H	13	1577.7461	789.3770
409.2563	3	S	12	1440.6872	720.8475
506.3091	4	P	11	1353.6551	677.3315
634.3677	5	Q	10	1256.6024	628.8051
763.4103	6	E	9	1128.5438	**564.7758**
834.4474	7	A	8	999.5012	**500.2545**
931.5002	8	P	7	**928.4641**	**464.7360**
1068.5591	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

KIGGHGAEYGAEALER, MH+ 1725.9560, m/z 432.2445
H OS G18 P120811 220811-s1.02899.02899.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

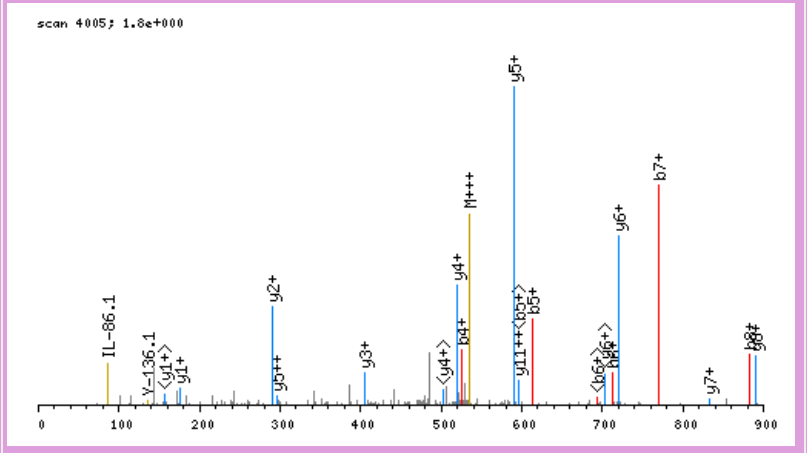
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	16		
310.3131	2	I	15	1529.7348	765.3713
367.3345	3	G	14	1416.6508	708.8293
424.3560	4	G	13	1359.6293	680.3186
561.4149	5	H	12	1302.6079	651.8078
618.4364	6	G	11	1165.5489	583.2784
689.4735	7	A	10	1108.5275	**554.7677**
818.5161	8	E	9	1037.4904	**519.2491**
981.5794	9	Y	8	908.4478	454.7278
1038.6009	10	G	7	745.3844	**373.1961**
1109.6380	11	A	6	**688.3630**	**344.6854**
1238.6806	12	E	5	**617.3259**	**309.1668**
1309.7177	13	A	4	**488.2833**	**244.6455**
1422.8018	14	L	3	**417.2462**	**209.1270**
1551.8443	15	E	2	**304.1621**	152.5850
	16	R	1	**175.1195**	88.0637

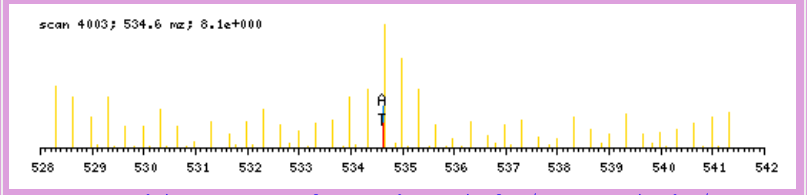
N-term:+35.07 K(1):+162.16

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

KILDSVGIEADDDR, MH+ 1601.8387, m/z 534.6177
L OS G16 P120811 220811-s1.04005.04005.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



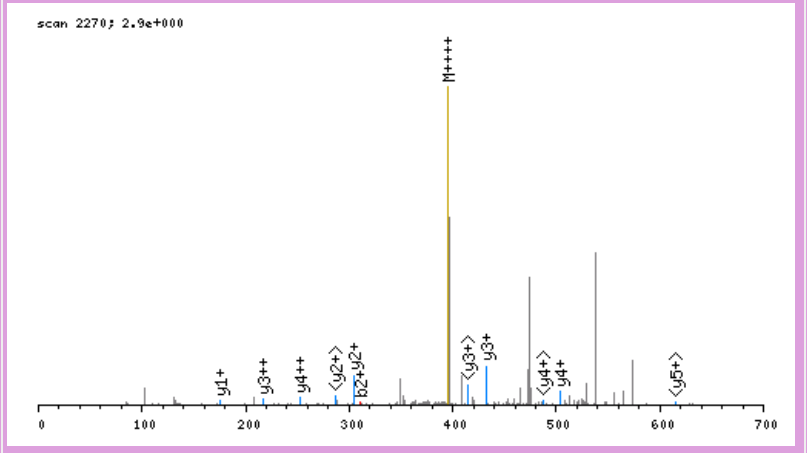
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
298.2495	2	I	13	1417.6811	709.3445
411.3335	3	L	12	1304.5970	652.8024
526.3605	4	D	11	1191.5130	**596.2604**
613.3925	5	S	10	1076.4860	538.7469
712.4609	6	V	9	989.4540	495.2309
769.4824	7	G	8	**890.3856**	445.6967
882.5664	8	I	7	**833.3641**	417.1860
1011.6090	9	E	6	**720.2800**	360.6439
1082.6461	10	A	5	**591.2374**	**296.1226**
1197.6731	11	D	4	**520.2003**	260.6041
1312.7000	12	D	3	**405.1734**	203.0906
1427.7270	13	D	2	**290.1464**	145.5771
	14	R	1	**175.1195**	88.0637

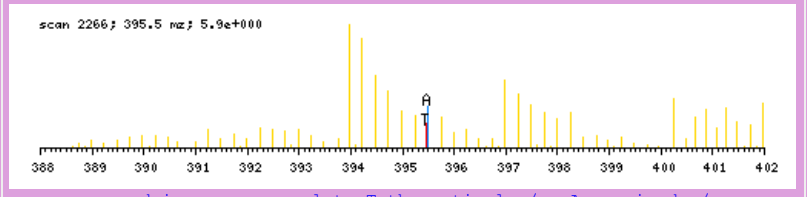
N-term:+29.04 K(1):+156.13

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

KIQHELEEAEER, MH+ 1578.8764, m/z 395.4746
H OS G18 P120811 220811-s1.02270.02270.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



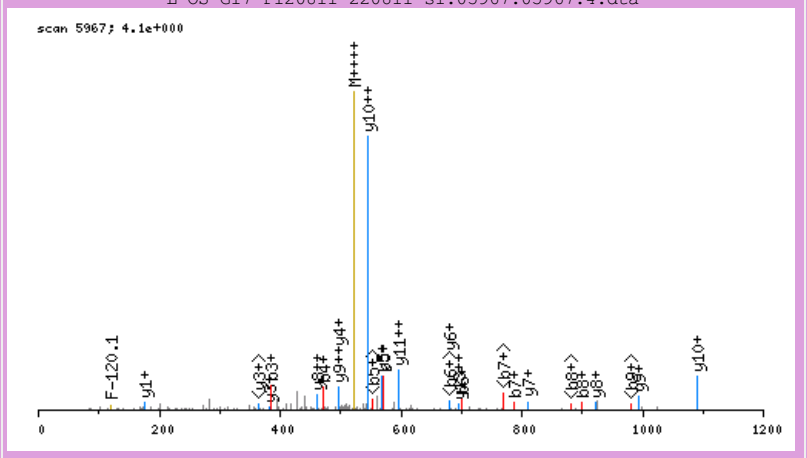
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	12		
310.3131	2	I	11	1382.6552	691.8315
438.3716	3	Q	10	1269.5711	635.2895
575.4306	4	H	9	1141.5126	571.2602
704.4731	5	E	8	1004.4536	502.7307
817.5572	6	L	7	875.4111	438.2094
946.5998	7	E	6	762.3270	381.6674
1075.6424	8	E	5	633.2844	317.1461
1146.6795	9	A	4	504.2418	252.6248
1275.7221	10	E	3	433.2047	217.1063
1404.7647	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

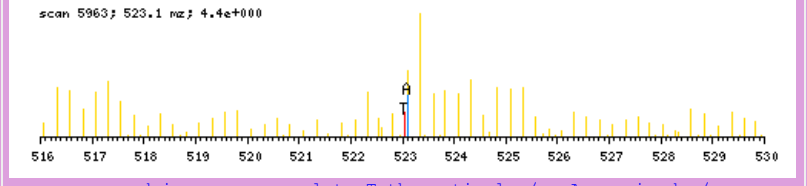
N-term:+35.07 K(1):+162.16

KISSVQSIVPALEIANAHR, MH+ 2089.2134, m/z 523.0588
L OS G17 P120811 220811-s1.05967.05967.4.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±]



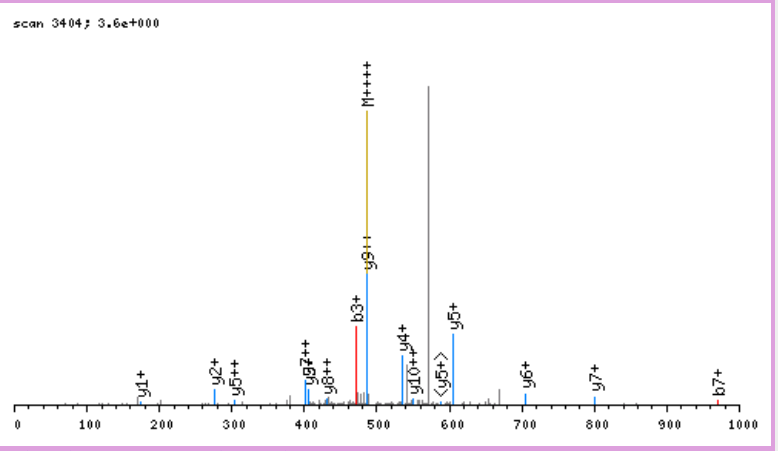
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	19		
298.2495	2	I	18	1905.0558	953.0318
385.2815	3	S	17	1791.9717	896.4898
472.3135	4	S	16	1704.9397	852.9738
571.3819	5	V	15	1617.9077	809.4577
699.4405	6	Q	14	1518.8393	759.9235
786.4725	7	S	13	1390.7807	**695.8942**
899.5566	8	I	12	1303.7486	652.3782
998.6250	9	V	11	1190.6646	**595.8362**
1095.6778	10	P	10	**1091.5962**	**546.3020**
1166.7149	11	A	9	**994.5434**	**497.7756**
1279.7990	12	L	8	**923.5063**	**462.2571**
1408.8416	13	E	7	**810.4222**	405.7150
1521.9256	14	I	6	**681.3796**	341.1937
1592.9627	15	A	5	**568.2956**	284.6517
1707.0057	16	N	4	**497.2585**	249.1331
1778.0428	17	A	3	**383.2155**	192.1117
1915.1017	18	H	2	312.1784	156.5931
	19	R	1	**175.1195**	88.0637

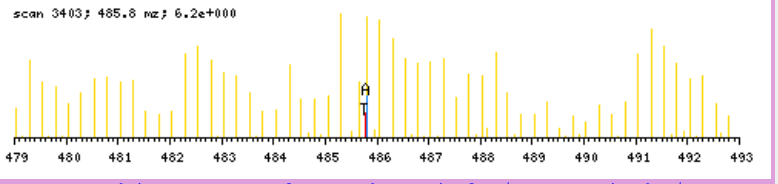
N-term:+29.04 K(1):+156.13

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

KKELEEQLGPVAEETR, MH+ 1940.0705, m/z 485.7731
L OS G17 P120811 220811-s1.03404.03404.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



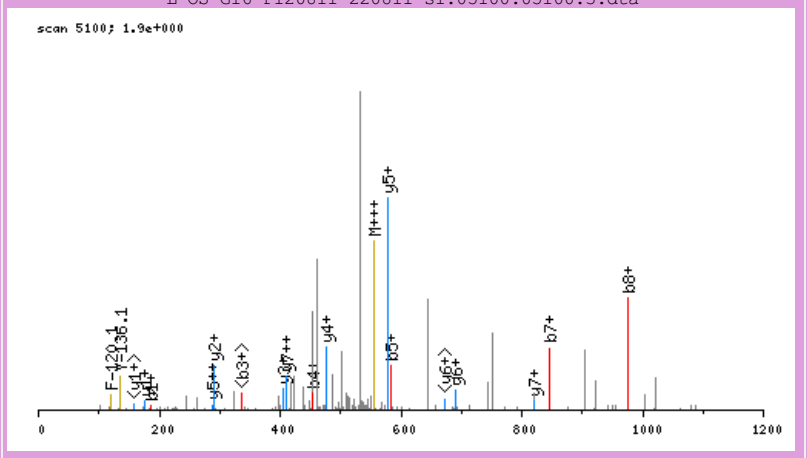
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
341.2917	2	K	15	1755.9129	878.4604
470.3343	3	E	14	1599.7866	800.3972
583.4184	4	L	13	1470.7440	735.8759
712.4610	5	E	12	1357.6599	679.3339
841.5035	6	E	11	1228.6174	614.8126
969.5621	7	Q	10	1099.5748	**550.2913**
1082.6462	8	L	9	971.5162	**486.2620**
1139.6676	9	G	8	858.4321	**429.7200**
1236.7204	10	P	7	**801.4107**	**401.2092**
1335.7888	11	V	6	**704.3579**	352.6829
1406.8259	12	A	5	**605.2895**	**303.1487**
1535.8685	13	E	4	**534.2524**	267.6301
1664.9111	14	E	3	**405.2098**	203.1088
1765.9588	15	T	2	**276.1672**	138.5875
	16	R	1	**175.1195**	88.0637

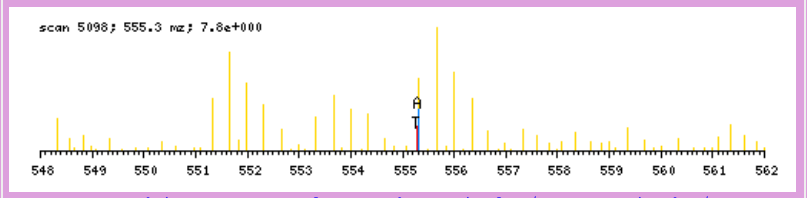
N-term:+29.04 K(1):+156.13
K(2):+156.13

KLGVEFDEITADDR, MH+ 1663.8543, m/z 555.2896
L OS G16 P120811 220811-s1.05100.05100.3.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±]



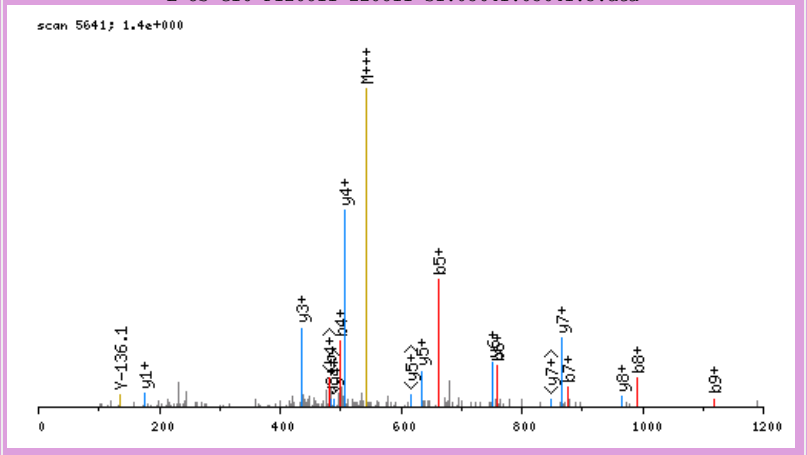
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	**1**	**K**	**14**		
298.2495	**2**	**L**	**13**	1479.6967	740.3523
355.2709	**3**	**G**	**12**	1366.6127	683.8102
454.3393	**4**	**V**	**11**	1309.5912	655.2995
583.3819	**5**	**E**	**10**	1210.5228	605.7653
730.4503	**6**	**F**	**9**	1081.4802	541.2440
845.4773	**7**	**D**	**8**	934.4118	467.7098
974.5199	**8**	**E**	**7**	**819.3848**	**410.1963**
1087.6039	**9**	**I**	**6**	**690.3422**	345.6750
1188.6516	**10**	**T**	**5**	**577.2582**	**289.1330**
1259.6887	**11**	**A**	**4**	**476.2105**	238.6092
1374.7157	**12**	**D**	**3**	**405.1734**	203.0906
1489.7426	**13**	**D**	**2**	**290.1464**	145.5771
	14	**R**	**1**	**175.1195**	88.0637

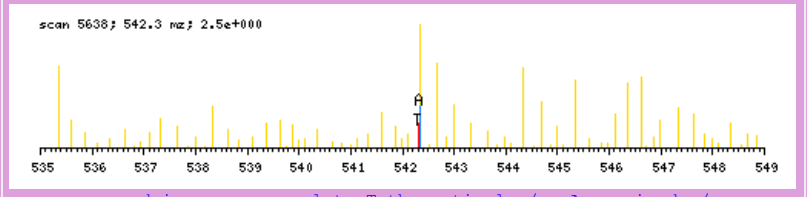
N-term:+29.04 K(1):+156.13

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

KLLSYVDDEAFIR, MH+ 1624.8950, m/z 542.3032
L OS G16 P120811 220811-s1.05641.05641.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



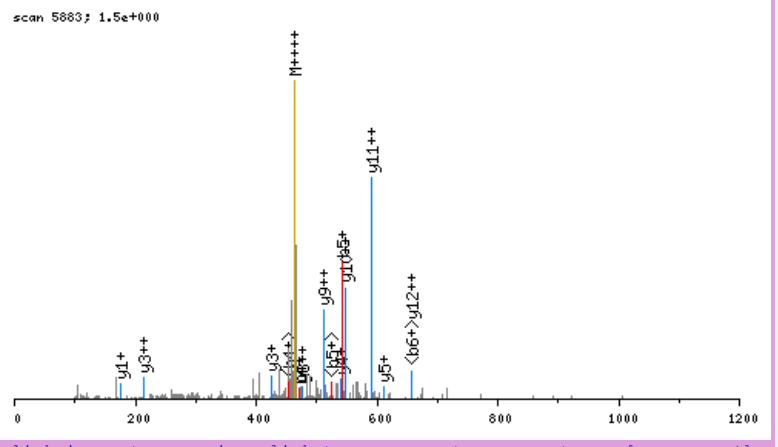
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	13		
298.2495	2	L	12	1440.7375	720.8726
411.3335	3	L	11	1327.6534	664.3306
498.3656	4	S	10	1214.5693	607.7886
661.4289	5	Y	9	1127.5373	564.2726
760.4973	6	V	8	**964.4740**	**482.7409**
875.5242	7	D	7	**865.4056**	433.2067
990.5512	8	D	6	**750.3786**	375.6932
1119.5938	9	E	5	**635.3517**	318.1798
1190.6309	10	A	4	**506.3091**	253.6585
1337.6993	11	F	3	**435.2720**	218.1399
1450.7834	12	I	2	288.2036	144.6057
	13	R	1	**175.1195**	88.0637

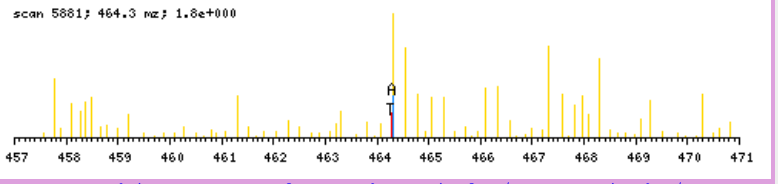
N-term:+29.04 K(1):+156.13

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

KLSSAMSAAKAIADHIR, MH+ 1854.0636, m/z 464.2713
L OS G18 P120811 220811-s1.05883.05883.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



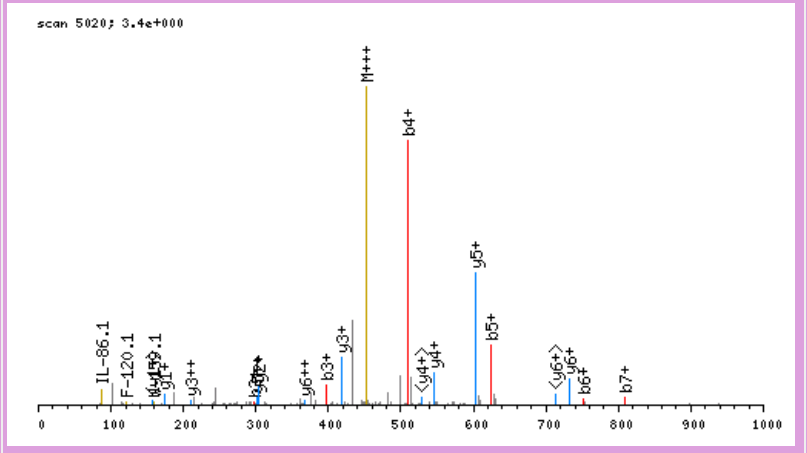
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
298.2495	2	L	16	1669.9060	835.4569
385.2815	3	S	15	1556.8219	778.9149
472.3135	4	S	14	1469.7899	735.3989
543.3506	5	A	13	1382.7579	691.8828
674.3911	6	M	12	1311.7208	**656.3643**
761.4231	7	S	11	1180.6803	**590.8440**
832.4603	8	A	10	1093.6482	**547.3280**
903.4974	9	A	9	1022.6111	**511.8095**
1059.6237	10	K	8	951.5740	**476.2909**
1130.6608	11	A	7	795.4477	398.2278
1243.7449	12	I	6	724.4106	362.7092
1314.7820	13	A	5	**611.3265**	306.1672
1429.8089	14	D	4	**540.2894**	270.6486
1566.8678	15	H	3	**425.2625**	**213.1352**
1679.9519	16	I	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

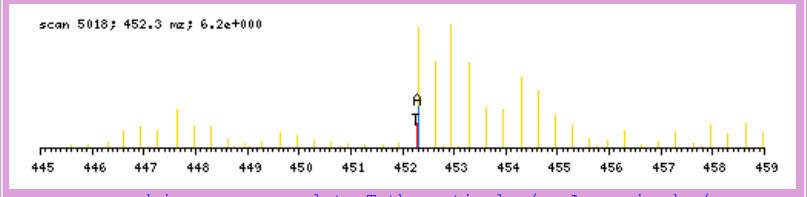
N-term:+29.04 K(1):+156.13
K(10):+156.13

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

KLVILEGELER, MH+ 1354.8310, m/z 452.2818
L OS G16 P120811 220811-s1.05020.05020.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



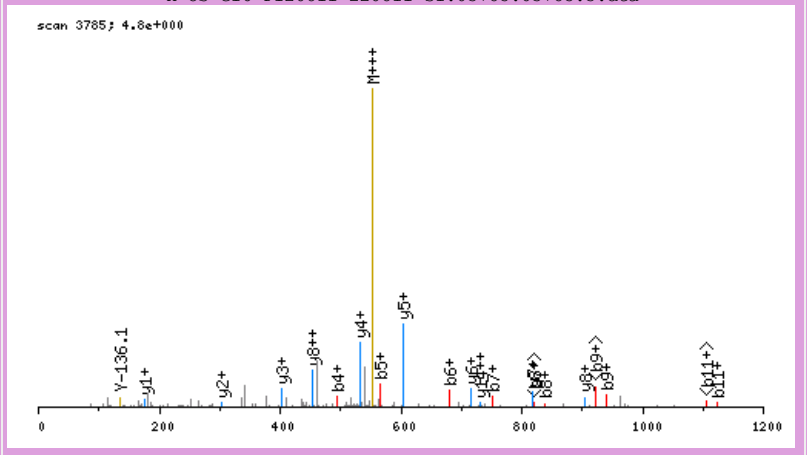
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	11		
298.2495	2	L	10	1170.6734	585.8406
397.3179	3	V	9	1057.5893	529.2986
510.4019	4	I	8	958.5209	479.7644
623.4860	5	L	7	845.4369	423.2223
752.5286	6	E	6	732.3528	366.6803
809.5501	7	G	5	603.3102	302.1590
938.5927	8	E	4	546.2888	273.6483
1051.6767	9	L	3	417.2462	209.1270
1180.7193	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

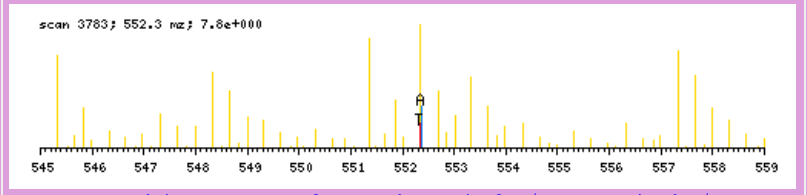
N-term:+29.04 K(1):+156.13

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

KNAIANASTLAEVER, MH+ 1654.9764, m/z 552.3303
H OS G16 P120811 220811-s1.03785.03785.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



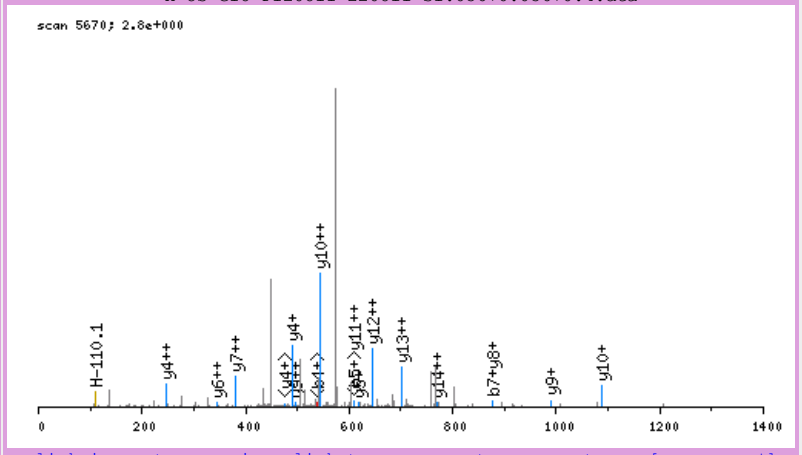
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	15		
311.2719	2	N	14	1458.7552	**729.8815**
382.3090	3	A	13	1344.7123	672.8601
495.3931	4	I	12	1273.6752	637.3415
566.4302	5	A	11	1160.5911	580.7995
680.4731	6	N	10	1089.5540	545.2809
751.5103	7	A	9	975.5111	488.2595
838.5423	8	S	8	**904.4740**	**452.7409**
939.5900	9	T	7	**817.4420**	409.2249
1052.6740	10	L	6	**716.3943**	358.7011
1123.7111	11	A	5	**603.3102**	302.1590
1252.7537	12	E	4	**532.2731**	266.6405
1351.8222	13	V	3	**403.2305**	202.1192
1480.8647	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

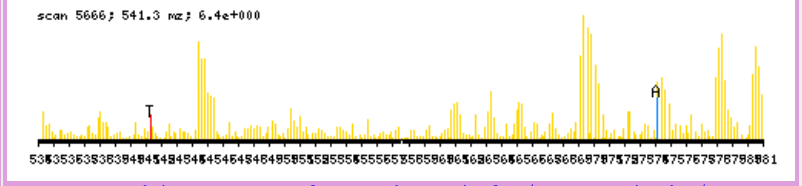
N-term:+35.07 K(1):+162.16

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

KNPFAHLAEPLDAAQPGKR, MH+ 2162.2935, m/z 541.3288
H OS G18 P120811 220811-s1.05670.05670.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

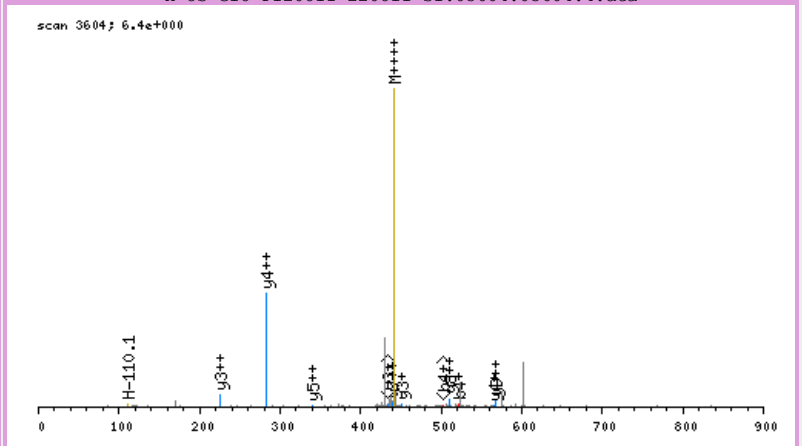


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

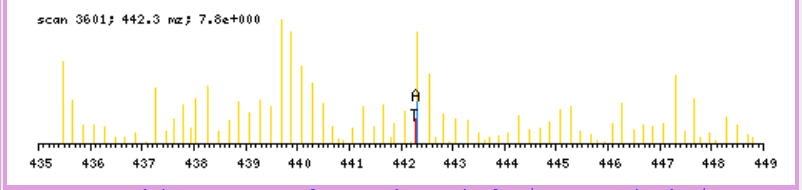
b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	19		
311.2719	2	N	18	1966.0723	983.5401
408.3247	3	P	17	1852.0294	926.5186
555.3931	4	F	16	1754.9766	877.9922
626.4302	5	A	15	1607.9082	804.4580
763.4891	6	H	14	1536.8711	**768.9395**
876.5732	7	L	13	1399.8122	**700.4100**
947.6103	8	A	12	1286.7281	**643.8680**
1076.6529	9	E	11	1215.6910	**608.3494**
1173.7057	10	P	10	**1086.6484**	**543.8281**
1286.7897	11	L	9	**989.5956**	**495.3017**
1401.8167	12	D	8	**876.5116**	438.7597
1472.8538	13	A	7	761.4846	**381.2462**
1543.8909	14	A	6	690.4475	**345.7277**
1671.9495	15	Q	5	**619.4104**	310.2091
1769.0022	16	P	4	**491.3518**	**246.1798**
1826.0237	17	G	3	394.2991	197.6534
1988.1818	18	K	2	337.2776	169.1427
	19	R	1	175.1195	88.0637

N-term:+35.07 K(1):+162.16
K(18):+162.16

KPLNIDHLSDDKLR, MH+ 1766.1025, m/z 442.2811
H OS G18 P120811 220811-s1.03604.03604.4.dta



click image to zoom in; click top corners to zoom out [precursor]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

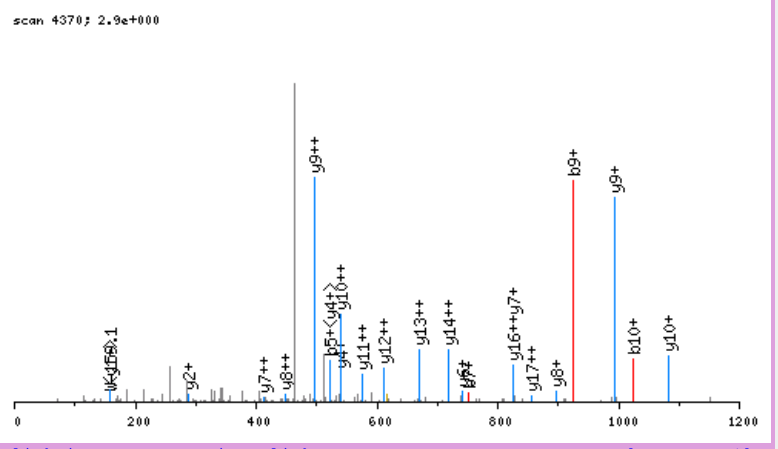
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
294.2818	2	P	13	1569.8813	785.4446
407.3658	3	L	12	1472.8286	736.9182
521.4088	4	N	11	1359.7445	680.3762
634.4928	5	I	10	1245.7016	623.3547
749.5198	6	D	9	1132.6175	**566.8127**
886.5787	7	H	8	1017.5906	**509.2992**
999.6627	8	L	7	880.5316	**440.7697**
1086.6948	9	S	6	767.4476	384.2277
1201.7217	10	D	5	680.4156	**340.7117**
1316.7487	11	D	4	**565.3886**	**283.1982**
1478.9068	12	K	3	**450.3617**	**225.6847**
1591.9908	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

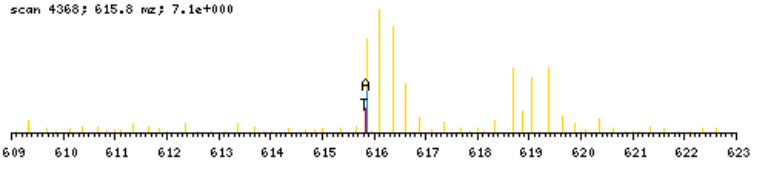
N-term:+35.07 K(1):+162.16
K(12):+162.16

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

KPPAACAGDVVDAASPASTVNHLR, MH+ 2460.2669, m/z 615.8222
L OS G16 P120811 220811-s1.04370.04370.4.dta



click image to zoom in; click top corners to zoom out [precursor]



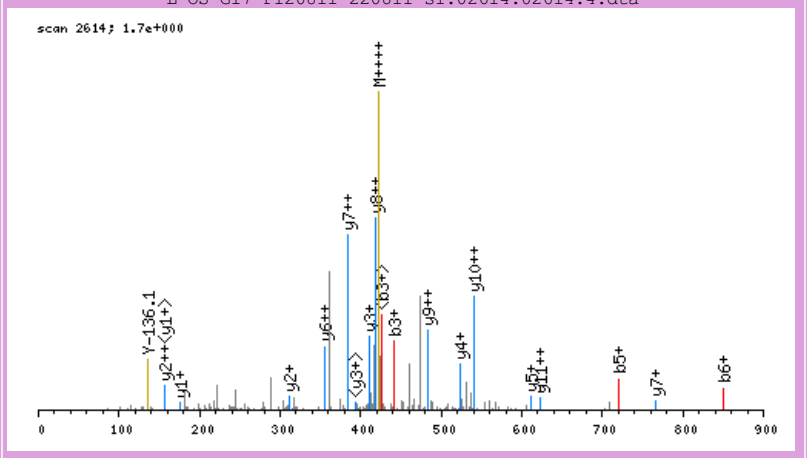
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	24		
282.2182	2	P	23	2276.1093	1138.5586
379.2709	3	P	22	2179.0565	1090.0322
450.3080	4	A	21	2082.0038	1041.5058
521.3452	5	A	20	2010.9667	1005.9872
681.3758	6	C	19	1939.9296	970.4687
752.4129	7	A	18	1779.8990	890.4534
809.4343	8	G	17	1708.8618	**854.9348**
924.4613	9	D	16	1651.8404	**826.4241**
1023.5297	10	V	15	1536.8134	768.9106
1122.5981	11	V	14	1437.7450	**719.3764**
1237.6250	12	D	13	1338.6766	**669.8422**
1308.6622	13	A	12	1223.6497	**612.3287**
1379.6993	14	A	11	1152.6125	**576.8102**
1466.7313	15	S	10	**1081.5754**	**541.2916**
1563.7841	16	P	9	**994.5434**	**497.7756**
1634.8212	17	A	8	**897.4906**	**449.2492**
1721.8532	18	S	7	**826.4535**	**413.7307**
1822.9009	19	T	6	**739.4215**	370.2147
1921.9693	20	V	5	638.3738	319.6908
2036.0122	21	N	4	**539.3054**	270.1566
2173.0711	22	H	3	425.2625	213.1352
2286.1552	23	L	2	**288.2036**	144.6057
	24	R	1	175.1195	88.0637

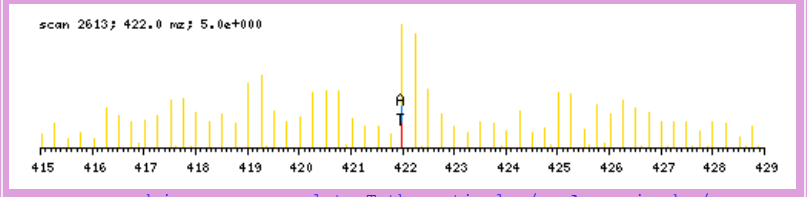
N-term:+29.04 K(1):+156.13
C(6):+160.03

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

KQEYDEAGPSIVHR, MH+ 1684.8659, m/z 421.9719
L OS G17 P120811 220811-s1.02614.02614.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



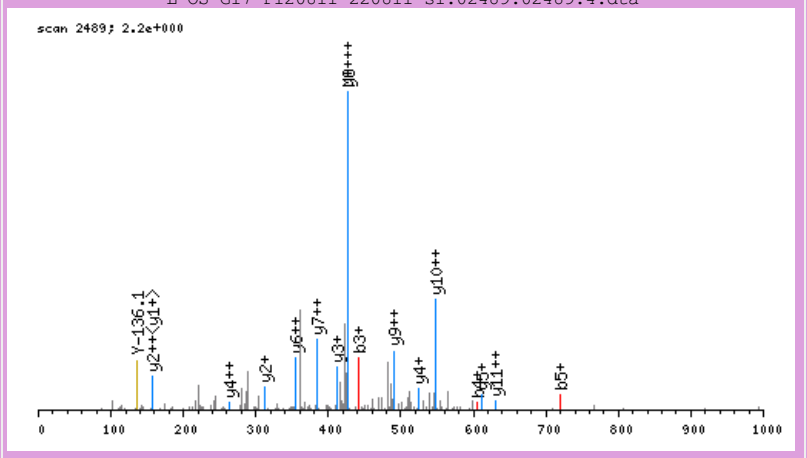
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
313.2240	2	Q	13	1500.7083	750.8581
442.2666	3	E	12	1372.6497	686.8288
605.3299	4	Y	11	1243.6071	**622.3075**
720.3568	5	D	10	1080.5438	**540.7758**
849.3994	6	E	9	965.5169	**483.2623**
920.4365	7	A	8	836.4743	**418.7410**
977.4580	8	G	7	**765.4371**	**383.2225**
1074.5108	9	P	6	708.4157	**354.7118**
1161.5428	10	S	5	**611.3629**	306.1854
1274.6269	11	I	4	**524.3309**	262.6694
1373.6953	12	V	3	**411.2468**	206.1273
1510.7542	13	H	2	**312.1784**	**156.5931**
	14	R	1	**175.1195**	88.0637

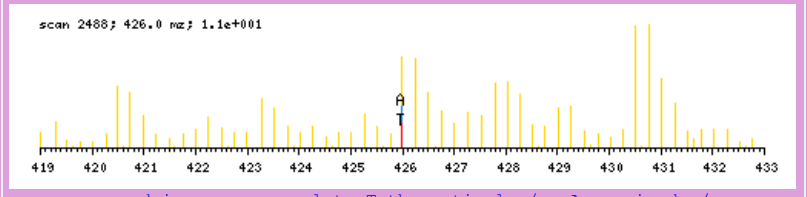
N-term:+29.04 K(1):+156.13

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

KQEYDESGPSIVHR, MH+ 1700.8608, m/z 425.9707
L OS G17 P120811 220811-s1.02489.02489.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



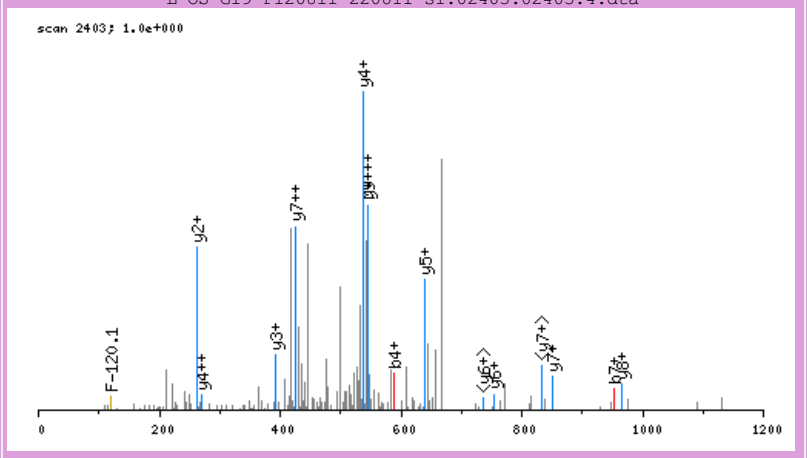
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
313.2240	2	Q	13	1516.7032	758.8555
442.2666	3	E	12	1388.6446	694.8262
605.3299	4	Y	11	1259.6020	**630.3049**
720.3568	5	D	10	1096.5387	**548.7733**
849.3994	6	E	9	981.5118	**491.2598**
936.4315	7	S	8	852.4692	**426.7385**
993.4529	8	G	7	765.4371	**383.2225**
1090.5057	9	P	6	708.4157	**354.7118**
1177.5377	10	S	5	**611.3629**	306.1854
1290.6218	11	I	4	**524.3309**	**262.6694**
1389.6902	12	V	3	**411.2468**	206.1273
1526.7491	13	H	2	**312.1784**	**156.5931**
	14	R	1	175.1195	88.0637

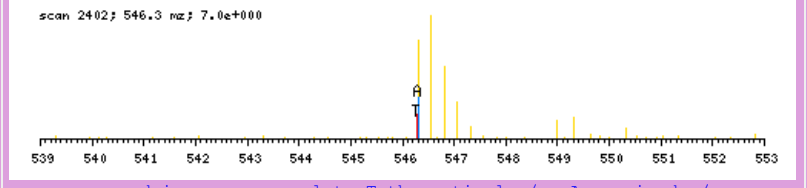
N-term:+29.04 K(1):+156.13

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

KQFEHLNHQNPNTFESR, MH+ 2182.0794, m/z 546.2753
L OS G19 P120811 220811-s1.02403.02403.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



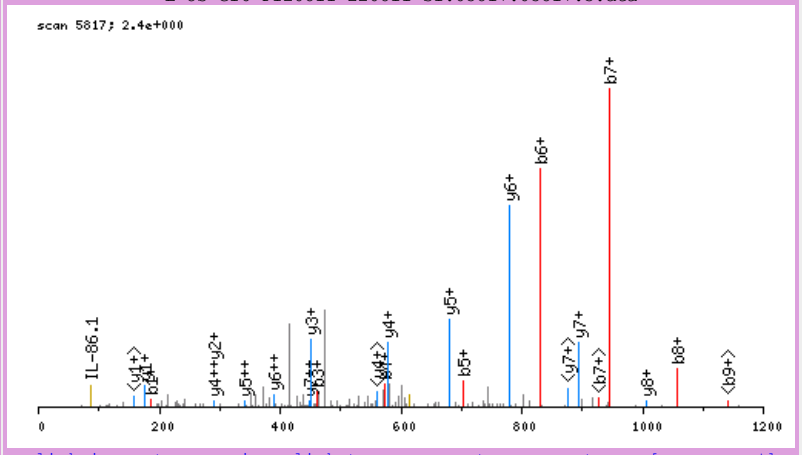
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
313.2240	2	Q	16	1997.9218	999.4648
460.2924	3	F	15	1869.8632	935.4355
589.3350	4	E	14	1722.7948	861.9013
726.3939	5	H	13	1593.7522	797.3800
839.4780	6	L	12	1456.6933	728.8506
953.5209	7	N	11	1343.6093	672.3085
1090.5798	8	H	10	1229.5663	615.2871
1218.6384	9	Q	9	1092.5074	**546.7576**
1332.6813	10	N	8	**964.4488**	482.7283
1429.7341	11	P	7	**850.4059**	**425.7069**
1543.7770	12	N	6	**753.3531**	377.1805
1644.8247	13	T	5	**639.3102**	320.1590
1791.8931	14	F	4	**538.2625**	**269.6352**
1920.9357	15	E	3	**391.1941**	196.1010
2007.9677	16	S	2	**262.1515**	131.5797
	17	R	1	175.1195	88.0637

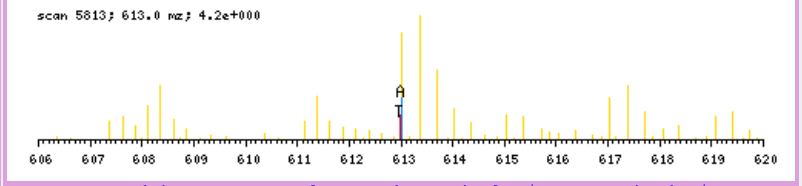
N-term:+29.04 K(1):+156.13

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

KQFLEELLTTQCDR, MH+ 1836.9529, m/z 612.9892
L OS G16 P120811 220811-s1.05817.05817.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



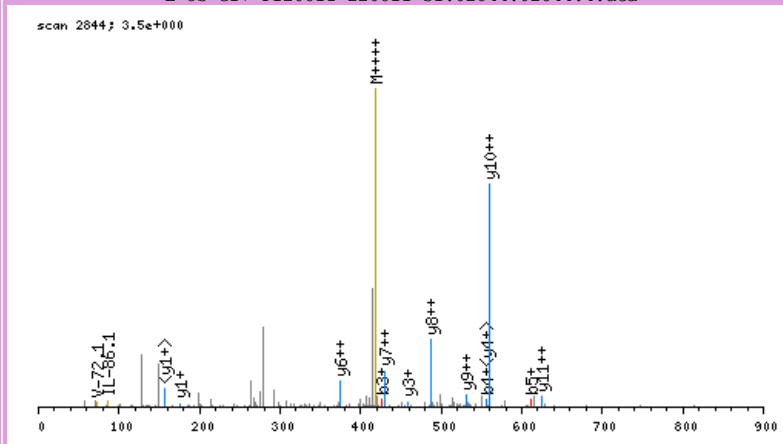
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
313.2240	2	Q	13	1652.7953	826.9016
460.2924	3	F	12	1524.7368	762.8723
573.3765	4	L	11	1377.6684	689.3381
702.4190	5	E	10	1264.5843	632.7961
831.4616	6	E	9	1135.5417	568.2748
944.5457	7	L	8	1006.4991	503.7535
1057.6298	8	L	7	893.4150	447.2114
1158.6774	9	T	6	780.3310	390.6694
1259.7251	10	T	5	679.2833	340.1456
1387.7837	11	Q	4	578.2356	289.6217
1547.8143	12	C	3	450.1770	225.5924
1662.8412	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

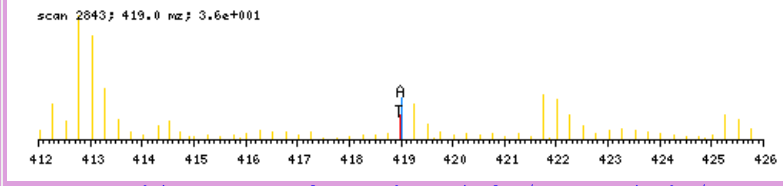
N-term:+29.04 K(1):+156.13
C(12):+160.03

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

KQIEGSDLSSLQKR, MH+ 1672.9598, m/z 418.9954
L OS G17 P120811 220811-s1.02844.02844.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



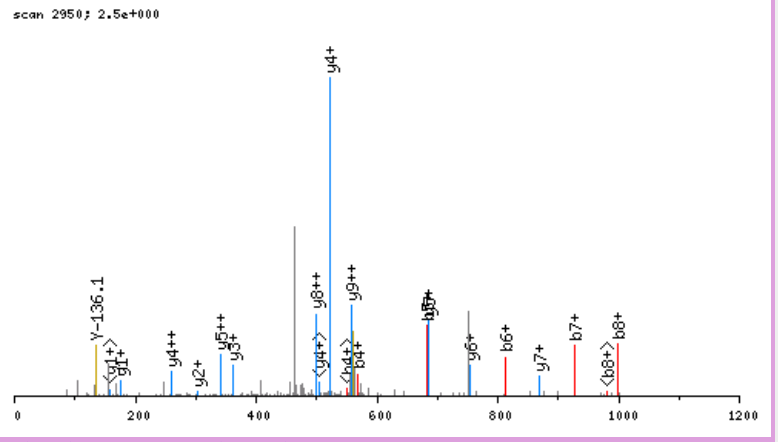
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
313.2240	2	Q	13	1488.8022	744.9050
426.3080	3	I	12	1360.7437	680.8757
555.3506	4	E	11	1247.6596	**624.3337**
612.3721	5	G	10	1118.6170	**559.8124**
699.4041	6	S	9	1061.5955	**531.3017**
814.4311	7	D	8	974.5635	**487.7857**
927.5151	8	L	7	859.5366	**430.2722**
1014.5472	9	S	6	746.4525	**373.7302**
1101.5792	10	S	5	659.4205	330.2141
1214.6633	11	L	4	572.3884	286.6981
1342.7218	12	Q	3	**459.3044**	230.1561
1498.8481	13	K	2	331.2458	166.1268
	14	R	1	**175.1195**	88.0637

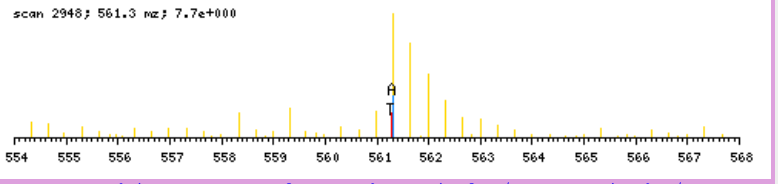
N-term:+29.04 K(1):+156.13
K(13):+156.13

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

KQLEDMNAYCGER, MH+ 1681.8314, m/z 561.2820
H OS G16 P120811 220811-s1.02950.02950.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



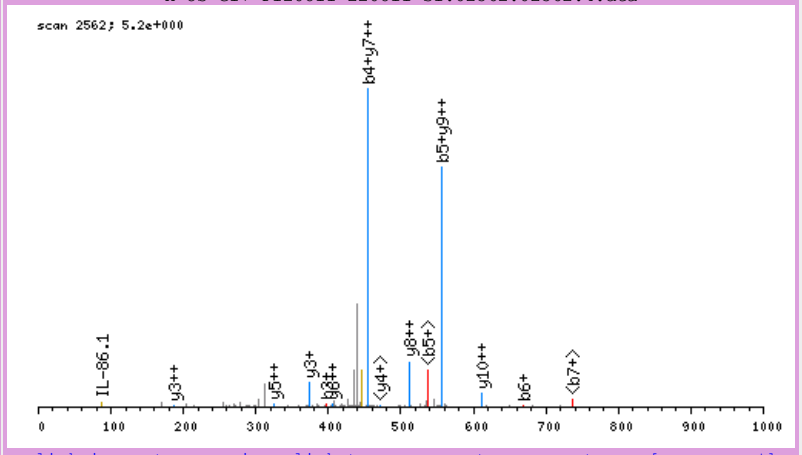
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	13		
325.2876	2	Q	12	1485.6102	743.3090
438.3716	3	L	11	1357.5516	679.2797
567.4142	4	E	10	1244.4675	622.7377
682.4412	5	D	9	1115.4250	**558.2164**
813.4817	6	M	8	1000.3980	**500.7029**
927.5246	7	N	7	**869.3575**	435.1827
998.5617	8	A	6	**755.3146**	378.1612
1161.6250	9	Y	5	**684.2775**	**342.6427**
1321.6556	10	C	4	**521.2142**	**261.1110**
1378.6771	11	G	3	**361.1836**	181.0957
1507.7197	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

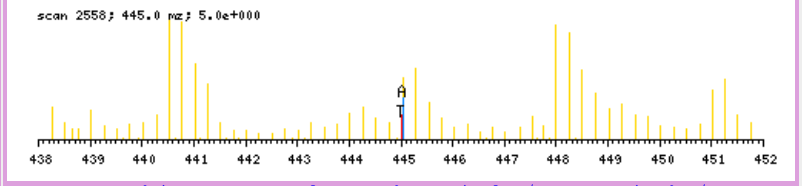
N-term:+35.07 K(1):+162.16
C(10):+160.03

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

KSIGTLSDPCKDPTR, MH+ 1777.0378, m/z 445.0149
H OS G17 P120811 220811-s1.02562.02562.4.dta



click image to zoom in; click top corners to zoom out [precursor]



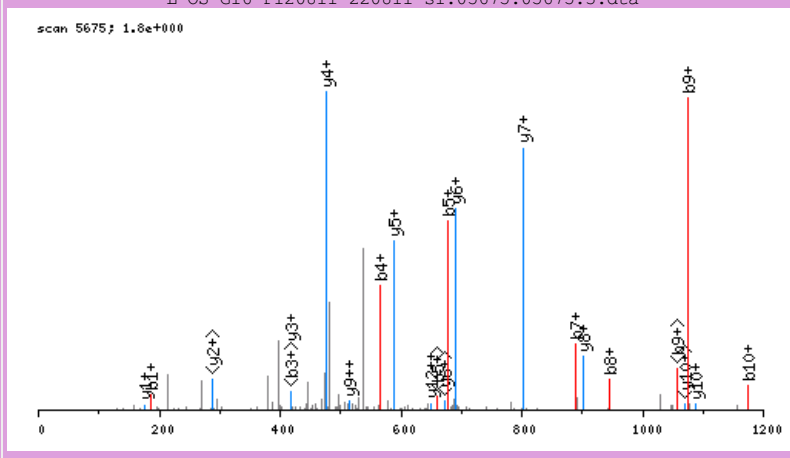
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

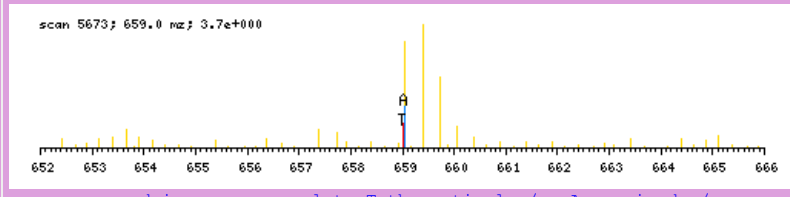
N-term:+35.07 K(1):+162.16
C(10):+160.03 K(11):+162.16

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

KSYELPDGQVITIGNER, MH+ 1975.0500, m/z 659.0215
L OS G16 P120811 220811-s1.05675.05675.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



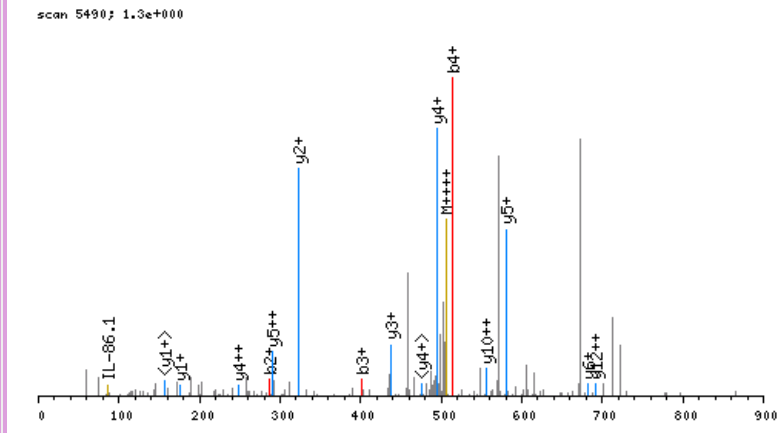
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
272.1974	2	S	16	1790.8925	895.9501
435.2608	3	Y	15	1703.8604	852.4341
564.3034	4	E	14	1540.7971	770.9025
677.3874	5	L	13	1411.7545	706.3812
774.4402	6	P	12	1298.6705	649.8391
889.4671	7	D	11	1201.6177	601.3128
946.4886	8	G	10	1086.5907	543.7993
1074.5472	9	Q	9	1029.5693	515.2886
1173.6156	10	V	8	901.5107	451.2593
1286.6996	11	I	7	802.4423	401.7251
1387.7473	12	T	6	689.3582	345.1830
1500.8314	13	I	5	588.3105	294.6592
1557.8528	14	G	4	475.2265	238.1172
1671.8958	15	N	3	418.2050	209.6064
1800.9384	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

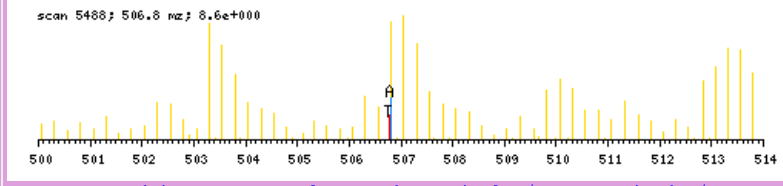
N-term:+29.04 K(1):+156.13

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

KTDLEKDIISDTSGDFR, MH+ 2024.0552, m/z 506.7693
L OS G17 P120811 220811-s1.05490.05490.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



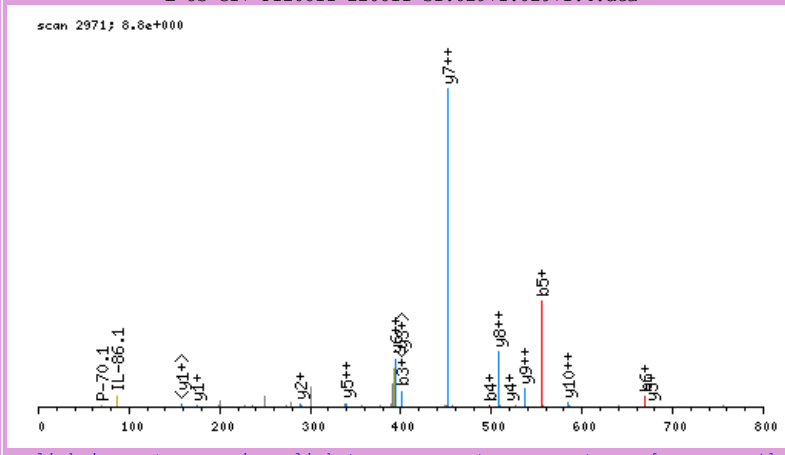
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
286.2131	2	T	16	1839.8976	920.4527
401.2400	3	D	15	1738.8500	869.9289
514.3241	4	L	14	1623.8230	812.4154
643.3667	5	E	13	1510.7390	755.8734
799.4930	6	K	12	1381.6964	**691.3521**
914.5199	7	D	11	1225.5701	613.2889
1027.6040	8	I	10	1110.5431	**555.7755**
1140.6880	9	I	9	997.4591	499.2334
1227.7201	10	S	8	884.3750	442.6914
1342.7470	11	D	7	797.3430	399.1754
1443.7947	12	T	6	**682.3160**	341.6619
1530.8267	13	S	5	**581.2683**	**291.1381**
1587.8482	14	G	4	**494.2363**	**247.6221**
1702.8751	15	D	3	**437.2149**	219.1113
1849.9435	16	F	2	**322.1879**	161.5979
	17	R	1	**175.1195**	88.0637

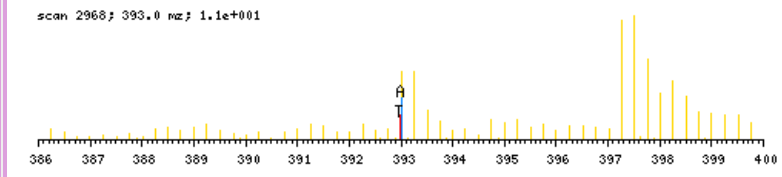
N-term:+29.04 K(1):+156.13
K(6):+156.13

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

KTDPGIILKTENR, MH+ 1568.9376, m/z 392.9899
L OS G17 P120811 220811-s1.02971.02971.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



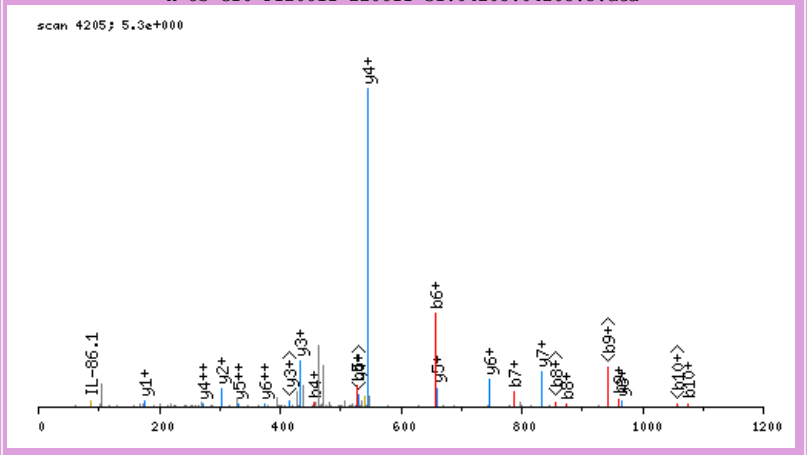
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	13		
286.2131	2	T	12	1384.7800	692.8939
401.2400	3	D	11	1283.7324	642.3701
498.2928	4	P	10	1168.7054	**584.8566**
555.3142	5	G	9	1071.6527	**536.3302**
668.3983	6	I	8	1014.6312	**507.8195**
781.4824	7	I	7	901.5471	**451.2775**
894.5664	8	L	6	788.4631	**394.7354**
1050.6927	9	K	5	**675.3790**	**338.1934**
1151.7404	10	T	4	**519.2527**	260.1303
1280.7830	11	E	3	418.2050	209.6064
1394.8259	12	N	2	**289.1624**	145.0851
	13	R	1	**175.1195**	88.0637

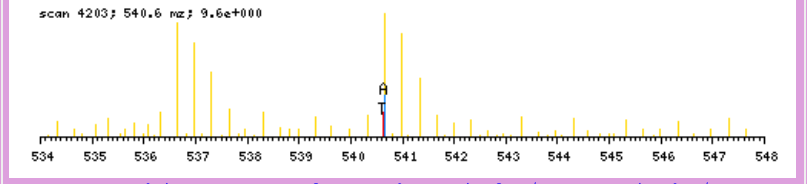
N-term:+29.04 K(1):+156.13
K(9):+156.13

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

KTGTAEMSSILEER, MH+ 1619.8951, m/z 540.6365
H OS G16 P120811 220811-s1.04205.04205.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



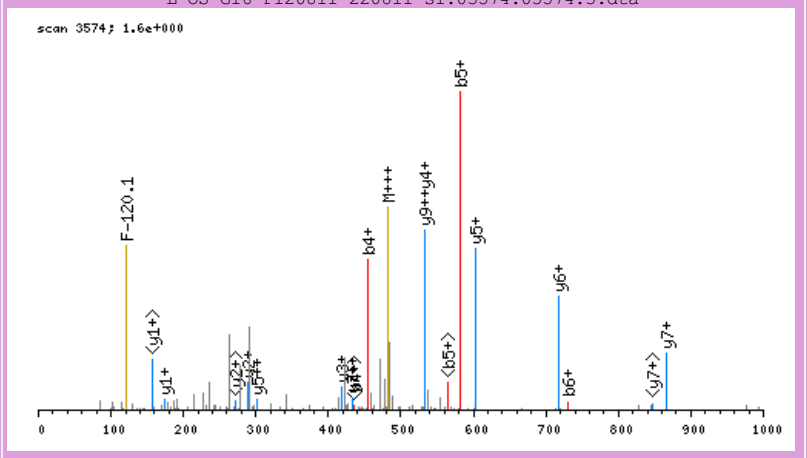
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
197.2290	1	K	14		
298.2767	2	T	13	1423.6739	712.3409
355.2981	3	G	12	1322.6262	661.8170
456.3458	4	T	11	1265.6047	633.3063
527.3829	5	A	10	1164.5571	582.7824
656.4255	6	E	9	1093.5199	547.2639
787.4660	7	M	8	964.4774	482.7426
874.4980	8	S	7	833.4369	417.2223
961.5301	9	S	6	746.4048	373.7063
1074.6141	10	I	5	659.3728	330.1903
1187.6982	11	L	4	546.2888	273.6483
1316.7408	12	E	3	433.2047	217.1063
1445.7834	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

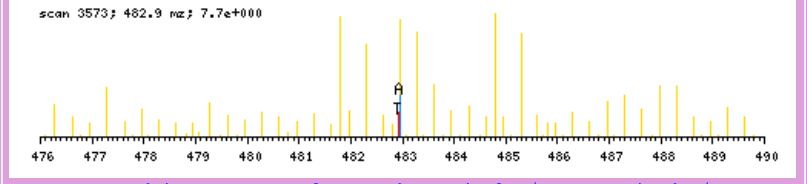
N-term:+35.07 K(1):+162.16

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

KTPAQFDADELR, MH+ 1446.7593, m/z 482.9246
L OS G16 P120811 220811-s1.03574.03574.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



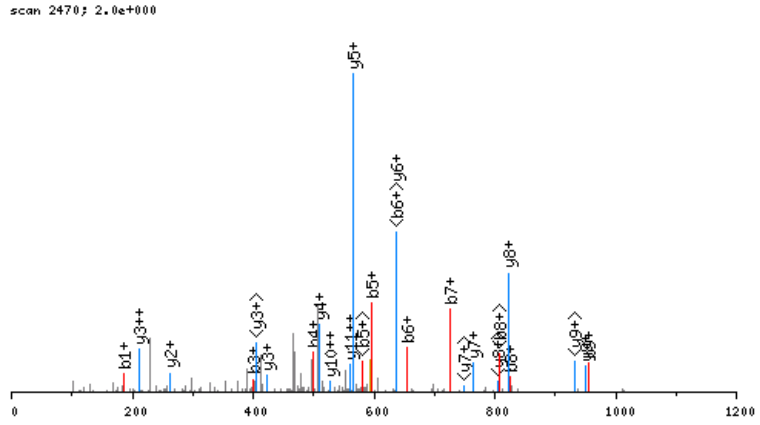
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	12		
286.2131	2	T	11	1262.6017	631.8048
383.2658	3	P	10	1161.5540	581.2809
454.3030	4	A	9	1064.5013	**532.7545**
582.3615	5	Q	8	993.4641	497.2360
729.4299	6	F	7	**865.4056**	**433.2067**
844.4569	7	D	6	**718.3372**	359.6725
915.4940	8	A	5	**603.3102**	**302.1590**
1030.5209	9	D	4	**532.2731**	266.6405
1159.5635	10	E	3	**417.2462**	209.1270
1272.6476	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

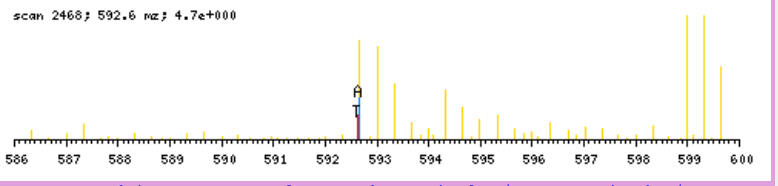
N-term:+29.04 K(1):+156.13

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

KVDVVGATQGQAGSCSR, MH+ 1775.9074, m/z 592.6406
L OS G16 P120811 220811-s1.02470.02470.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



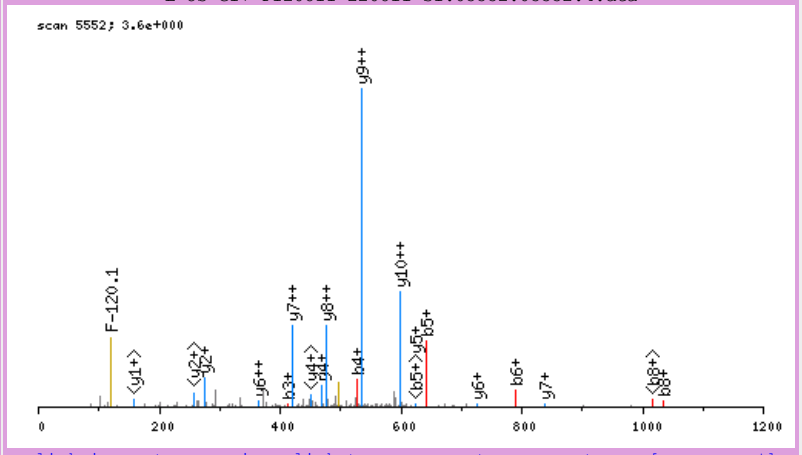
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

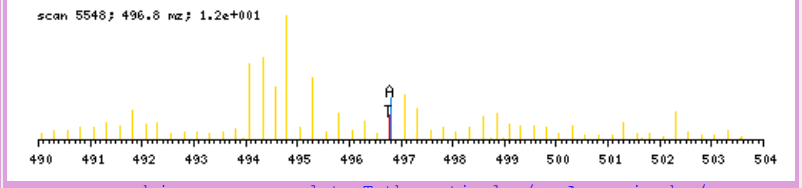
N-term:+29.04 K(1):+156.13
C(15):+160.03

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

KVEDNFEDIITKPPVR, MH+ 1984.1120, m/z 496.7834
L OS G17 P120811 220811-s1.05552.05552.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



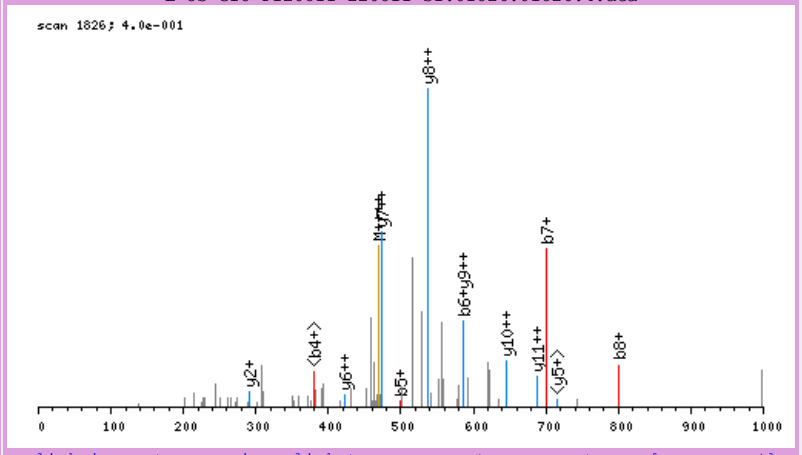
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
284.2338	2	V	15	1799.9544	900.4811
413.2764	3	E	14	1700.8860	850.9469
528.3034	4	D	13	1571.8434	786.4256
642.3463	5	N	12	1456.8164	728.9121
789.4147	6	F	11	1342.7735	671.8907
918.4573	7	E	10	1195.7051	**598.3565**
1033.4842	8	D	9	1066.6625	**533.8352**
1146.5683	9	I	8	951.6355	**476.3217**
1259.6524	10	I	7	**838.5515**	**419.7797**
1360.7000	11	T	6	**725.4674**	**363.2376**
1516.8263	12	K	5	**624.4197**	312.7138
1613.8791	13	P	4	**468.2934**	234.6506
1710.9319	14	P	3	371.2407	186.1243
1810.0003	15	V	2	**274.1879**	137.5979
	16	R	1	175.1195	88.0637

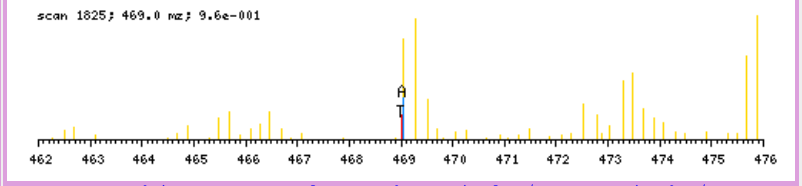
N-term:+29.04 K(1):+156.13
K(12):+156.13

KVGGTSDVEVNEKKDR, MH+ 1873.0396, m/z 469.0153
L_OS_G18_P120811_220811-s1.01826.01826.4.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]

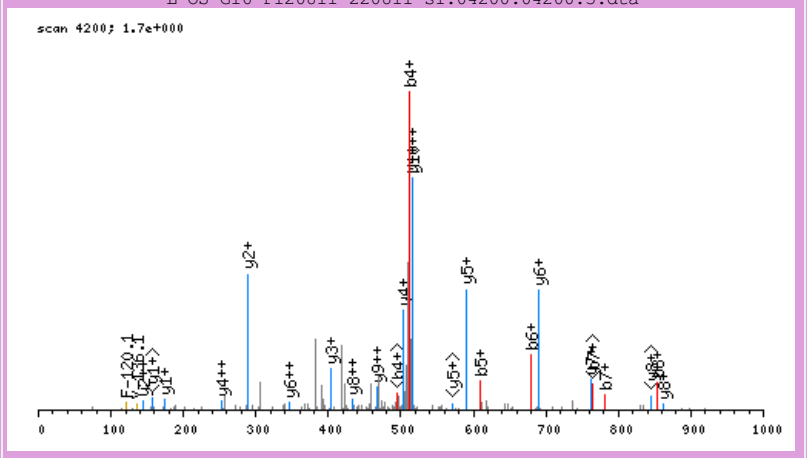


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

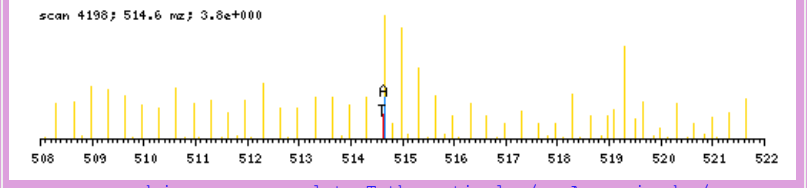
b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	16		
284.2338	2	V	15	1688.8820	844.9449
341.2553	3	G	14	1589.8136	795.4107
398.2767	4	G	13	1532.7921	766.9000
499.3244	5	T	12	1475.7706	738.3892
586.3564	6	S	11	1374.7230	**687.8654**
701.3834	7	D	10	1287.6909	**644.3494**
800.4518	8	V	9	1172.6640	**586.8359**
929.4944	9	E	8	1073.5956	**537.3017**
1028.5628	10	V	7	944.5530	**472.7804**
1142.6057	11	N	6	845.4846	**423.2462**
1271.6483	12	E	5	731.4416	366.2247
1427.7746	13	K	4	602.3990	301.7034
1583.9009	14	K	3	446.2727	223.6403
1698.9279	15	D	2	**290.1464**	145.5771
	16	R	1	175.1195	88.0637

N-term:+29.04 K(1):+156.13
K(13):+156.13 K(14):+156.13

KVIDPATATSVDLR, MH+ 1541.8903, m/z 514.6349
L OS G16 P120811 220811-s1.04200.04200.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

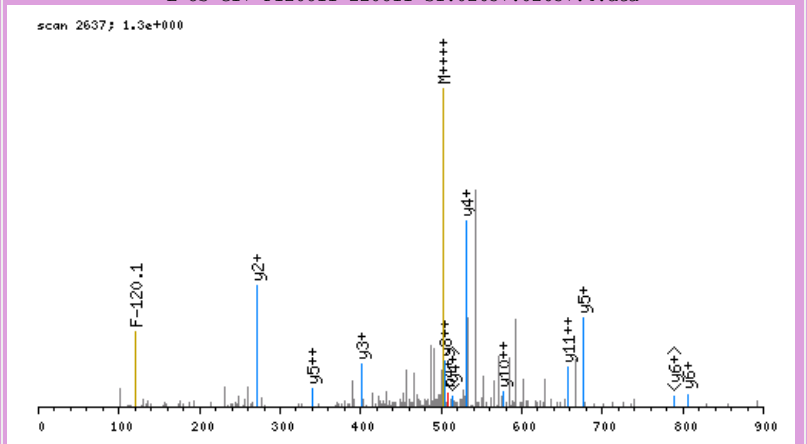
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	14		
284.2338	2	V	13	1357.7327	679.3703
397.3179	3	I	12	1258.6643	629.8361
512.3448	4	D	11	1145.5802	573.2940
609.3976	5	P	10	1030.5533	**515.7806**
680.4347	6	A	9	933.5005	**467.2542**
781.4824	7	T	8	**862.4634**	**431.7356**
852.5195	8	A	7	**761.4157**	381.2118
953.5672	9	T	6	**690.3786**	**345.6932**
1040.5992	10	S	5	**589.3310**	295.1694
1139.6676	11	V	4	**502.2989**	**251.6534**
1254.6946	12	D	3	**403.2305**	202.1192
1367.7786	13	L	2	**288.2036**	**144.6057**
	14	R	1	**175.1195**	88.0637

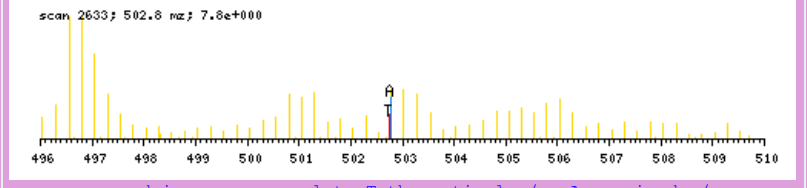
N-term:+29.04 K(1):+156.13

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

KVSHQGYGSTTEFEEPR, MH+ 2007.9776, m/z 502.7499
L OS G17 P120811 220811-s1.02637.02637.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



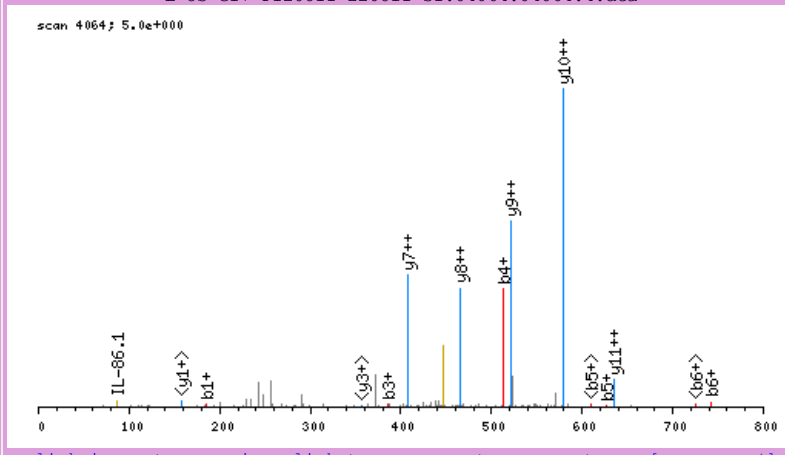
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1654	1	K	17		
284.2338	2	V	16	1823.8200	912.4139
371.2658	3	S	15	1724.7516	862.8797
508.3248	4	H	14	1637.7196	819.3637
636.3833	5	Q	13	1500.6607	750.8343
693.4048	6	G	12	1372.6021	686.8050
856.4681	7	Y	11	1315.5806	**658.2942**
913.4896	8	G	10	1152.5173	**576.7626**
1000.5216	9	S	9	1095.4958	548.2518
1101.5693	10	T	8	1008.4638	**504.7358**
1202.6170	11	T	7	907.4161	454.2120
1331.6596	12	E	6	**806.3685**	403.6881
1478.7280	13	F	5	**677.3259**	**339.1668**
1607.7706	14	E	4	**530.2575**	265.6326
1736.8132	15	E	3	**401.2149**	201.1113
1833.8659	16	P	2	**272.1723**	136.5900
	17	R	1	175.1195	88.0637

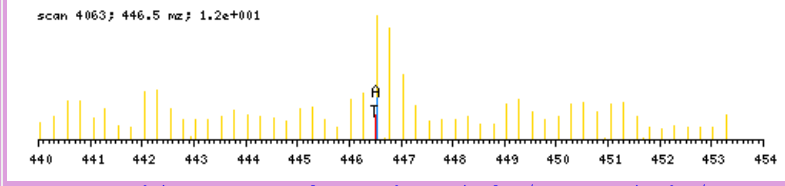
N-term:+29.04 K(1):+156.13

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 G17 P120811 220811-s1.04064.04064.4.dta



click image to zoom in; click top corners to zoom out [precursor]



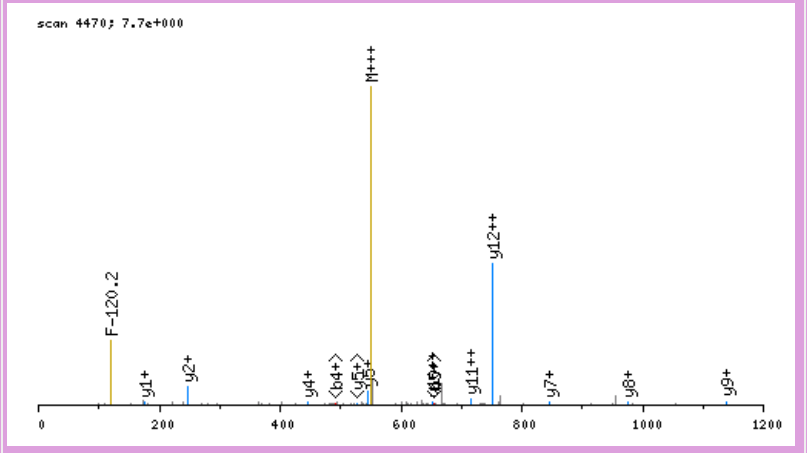
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

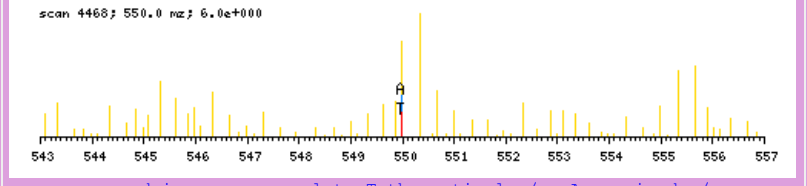
N-term:+29.04 K(1):+156.13
K(11):+156.13

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

LAEKYEWDVAEAR, MH+ 1647.9019, m/z 549.9721
H OS G16 P120811 220811-s1.04470.04470.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



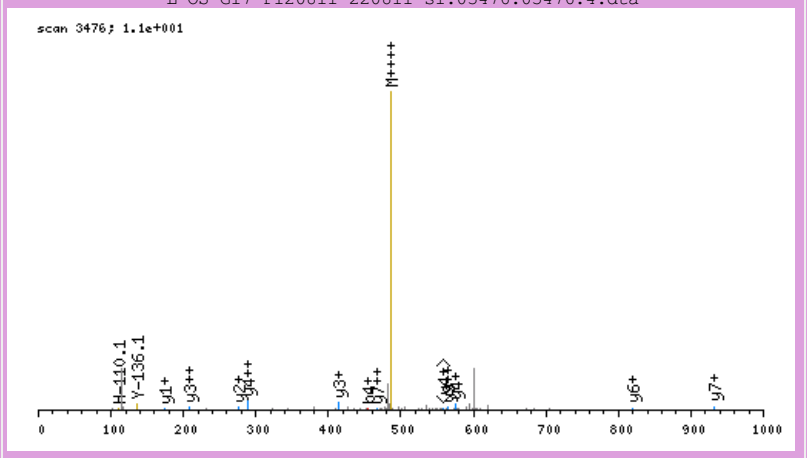
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

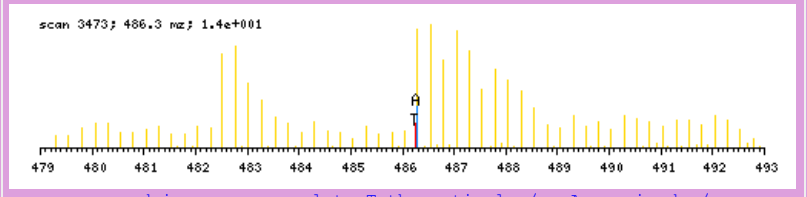
N-term:+35.07 K(4):+162.16

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

LAELKSNPTLNEYHTR, MH+ 1942.0398, m/z 486.2654
L OS G17 P120811 220811-s1.03476.03476.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



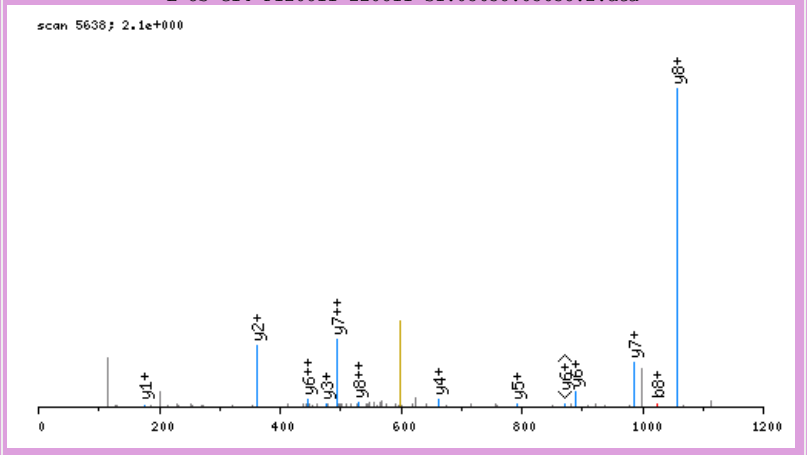
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
213.1603	2	A	15	1800.9245	900.9661
342.2029	3	E	14	1729.8874	865.4476
455.2869	4	L	13	1600.8448	800.9263
611.4132	5	K	12	1487.7607	744.3843
698.4453	6	S	11	1331.6344	666.3211
812.4882	7	N	10	1244.6024	622.8051
909.5410	8	P	9	1130.5594	**565.7836**
1010.5886	9	T	8	1033.5067	517.2573
1123.6727	10	L	7	**932.4590**	**466.7334**
1237.7156	11	N	6	**819.3749**	410.1914
1366.7582	12	E	5	705.3320	353.1699
1529.8215	13	Y	4	**576.2894**	**288.6486**
1666.8805	14	H	3	**413.2261**	**207.1170**
1767.9281	15	T	2	**276.1672**	138.5875
	16	R	1	**175.1195**	88.0637

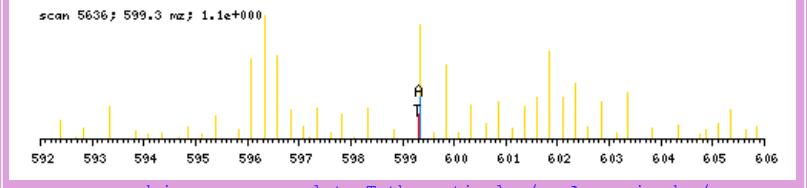
N-term:+29.04 K(5):+156.13

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

LAPPEWDWR, MH+ 1197.6056, m/z 599.3065
L OS G14 P120811 220811-s1.05638.05638.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



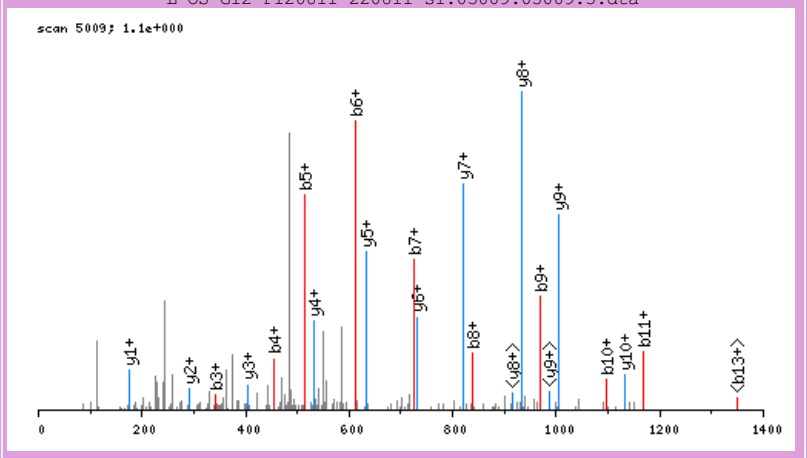
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	9		
213.1603	2	A	8	1056.4903	528.7491
310.2130	3	P	7	985.4532	493.2305
407.2658	4	P	6	888.4004	444.7041
536.3084	5	E	5	791.3477	396.1777
722.3877	6	W	4	662.3051	331.6564
837.4147	7	D	3	476.2258	238.6168
1023.4940	8	W	2	361.1988	181.1033
	9	R	1	175.1195	88.0637

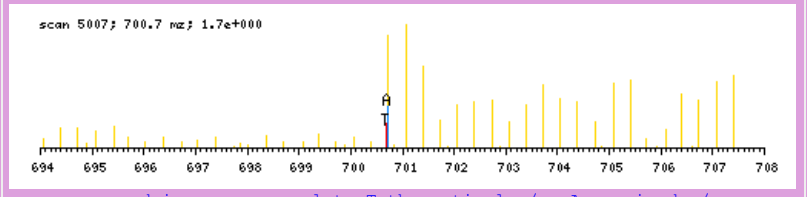
N-term:+29.04

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

LAQDGVINEEALSVTELDR, MH+ 2100.0824, m/z 700.6990
L OS G12 P120811 220811-s1.05009.05009.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



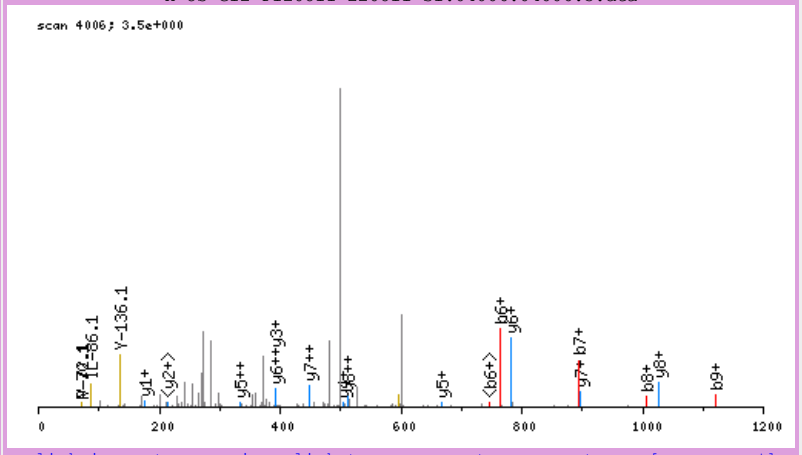
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

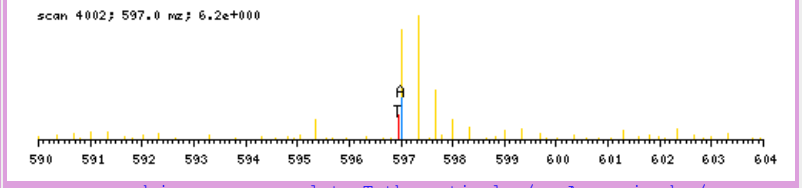
N-term:+29.04

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

LCEQQAELDYLCGR, MH+ 1788.8472, m/z 596.9539
H OS G12 P120811 220811-s1.04006.04006.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



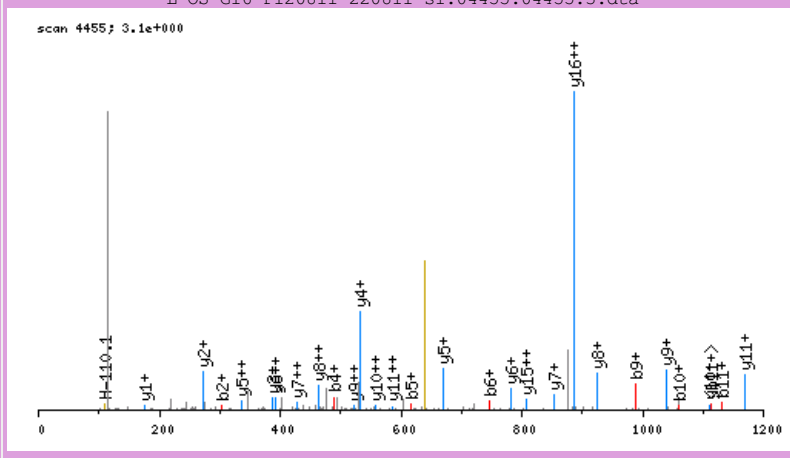
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
308.1856	2	C	13	1641.7000	821.3539
437.2282	3	E	12	1481.6694	741.3386
565.2867	4	Q	11	1352.6268	676.8173
693.3453	5	Q	10	1224.5682	612.7880
764.3824	6	A	9	1096.5097	548.7587
893.4250	7	E	8	**1025.4726**	**513.2402**
1006.5091	8	L	7	**896.4300**	**448.7189**
1121.5360	9	D	6	**783.3459**	**392.1769**
1284.5994	10	Y	5	**668.3190**	**334.6634**
1397.6834	11	L	4	**505.2556**	253.1317
1557.7140	12	C	3	**392.1716**	196.5897
1614.7355	13	G	2	232.1410	116.5744
	14	R	1	**175.1195**	88.0637

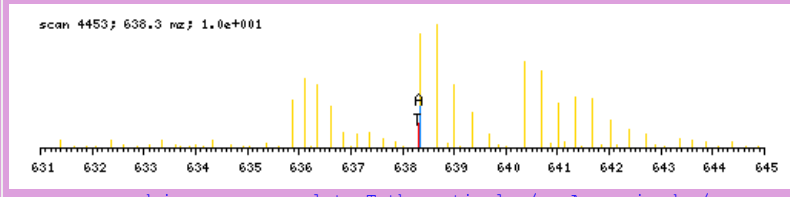
N-term:+35.07 C(2):+160.03
C(12):+160.03

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

LCGEEQGADAALHFNPR, MH+ 1912.8975, m/z 638.3040
L OS G16 P120811 220811-s1.04455.04455.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



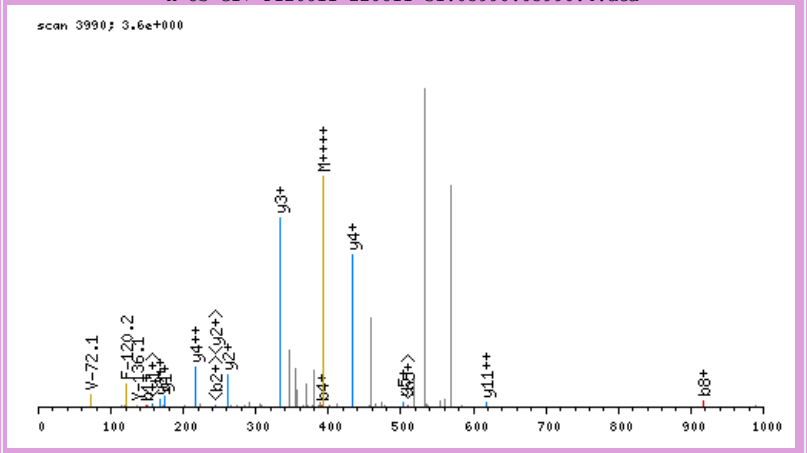
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
302.1538	2	C	16	1771.7822	**886.3950**
359.1752	3	G	15	1611.7516	**806.3797**
488.2178	4	E	14	1554.7301	777.8690
617.2604	5	E	13	1425.6875	713.3477
745.3190	6	Q	12	1296.6449	648.8264
802.3405	7	G	11	**1168.5863**	**584.7971**
873.3776	8	A	10	**1111.5649**	**556.2863**
988.4045	9	D	9	**1040.5278**	**520.7678**
1059.4416	10	A	8	**925.5008**	**463.2543**
1130.4787	11	A	7	**854.4637**	**427.7358**
1243.5628	12	L	6	**783.4266**	**392.2172**
1380.6217	13	H	5	**670.3425**	**335.6752**
1527.6901	14	F	4	**533.2836**	267.1457
1641.7331	15	N	3	**386.2152**	193.6115
1738.7858	16	P	2	**272.1723**	136.5900
	17	R	1	**175.1195**	88.0637

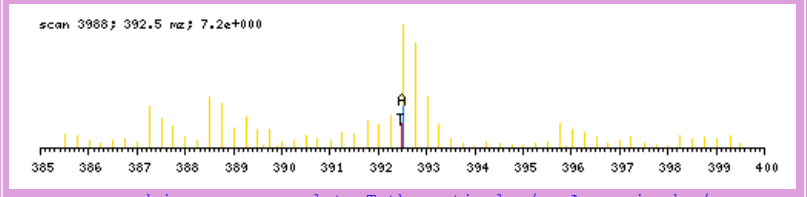
N-term:+29.04 C(2):+160.03

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

LDAGHKLNFAVASR, MH+ 1566.9392, m/z 392.4903
H OS G17 P120811 220811-s1.03990.03990.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



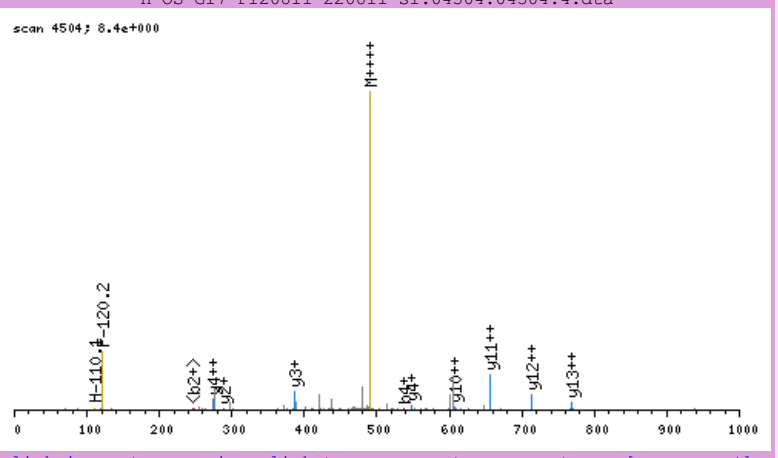
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

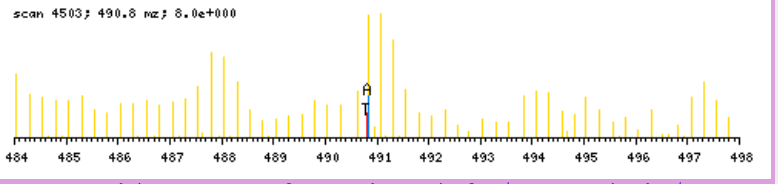
N-term:+35.07 K(6):+162.16

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+ 1960.1689, m/z 490.7977
H OS G17 P120811 220811-s1.04504.04504.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



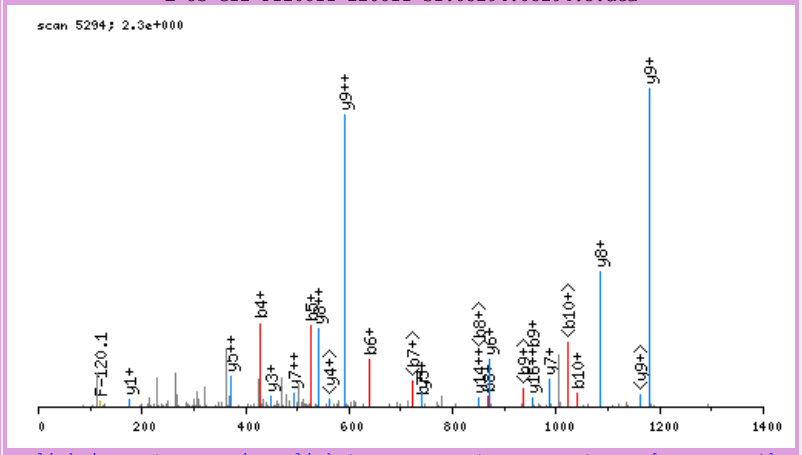
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
263.1819	2	D	15	1813.0218	907.0148
423.2125	3	C	14	1697.9949	849.5013
536.2966	4	I	13	1537.9643	**769.4860**
649.3806	5	L	12	1424.8802	**712.9440**
746.4334	6	P	11	1311.7961	**656.4020**
843.4862	7	P	10	1214.7434	**607.8756**
944.5338	8	T	9	1117.6906	559.3492
1100.6350	9	R	8	1016.6429	508.8254
1197.6877	10	P	7	860.5418	430.7748
1298.7354	11	T	6	763.4891	382.2484
1413.7623	12	D	5	662.4414	331.7246
1575.9204	13	K	4	**547.4144**	**274.2111**
1672.9732	14	P	3	**385.2563**	193.1321
1786.0573	15	L	2	**288.2036**	144.6057
	16	R	1	175.1195	88.0637

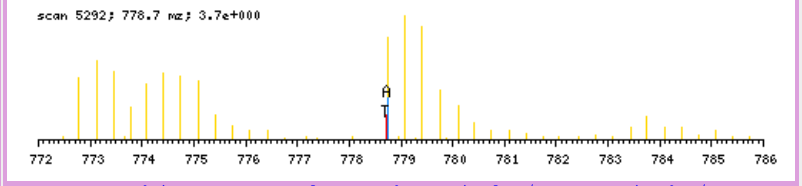
N-term:+35.07 C(3):+160.03
K(13):+162.16

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

LDGNPLTQSSLPPDMYECLR, MH+ 2334.1109, m/z 778.7085
L OS G12 P120811 220811-s1.05294.05294.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



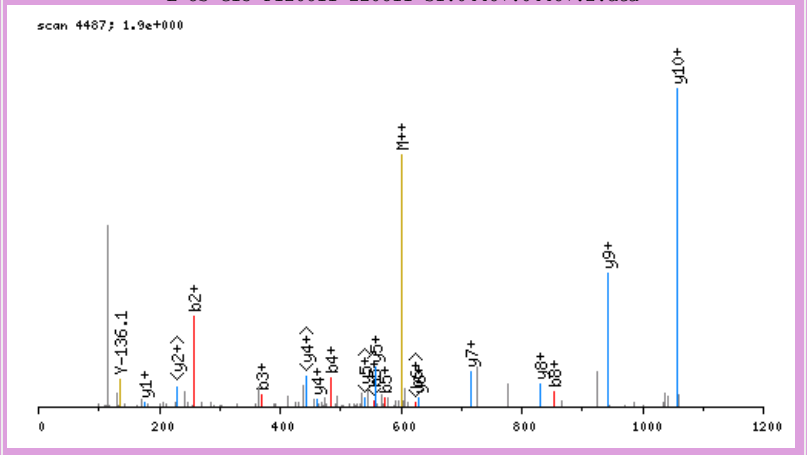
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	20		
257.1501	2	D	19	2192.9956	1097.0017
314.1716	3	G	18	2077.9686	1039.4882
428.2145	4	N	17	2020.9472	1010.9775
525.2673	5	P	16	1906.9042	**953.9560**
638.3513	6	L	15	1809.8515	905.4297
739.3990	7	T	14	1696.7674	**848.8876**
867.4576	8	Q	13	1595.7197	798.3638
954.4896	9	S	12	1467.6612	734.3345
1041.5216	10	S	11	1380.6291	690.8185
1154.6057	11	L	10	1293.5971	647.3025
1251.6585	12	P	9	**1180.5130**	**590.7604**
1348.7112	13	P	8	**1083.4603**	**542.2341**
1463.7382	14	D	7	**986.4075**	**493.7077**
1594.7787	15	M	6	**871.3806**	436.1942
1757.8420	16	Y	5	**740.3401**	**370.6740**
1886.8846	17	E	4	577.2768	289.1423
2046.9152	18	C	3	**448.2342**	224.6210
2159.9992	19	L	2	288.2036	144.6057
	20	R	1	**175.1195**	88.0637

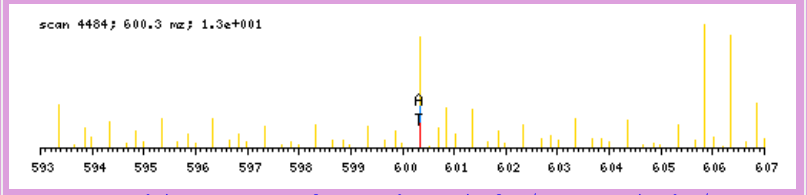
N-term:+29.04 C(18):+160.03

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

LDIDSAPITAR, MH+ 1199.6636, m/z 600.3354
L OS G13 P120811 220811-s1.04487.04487.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



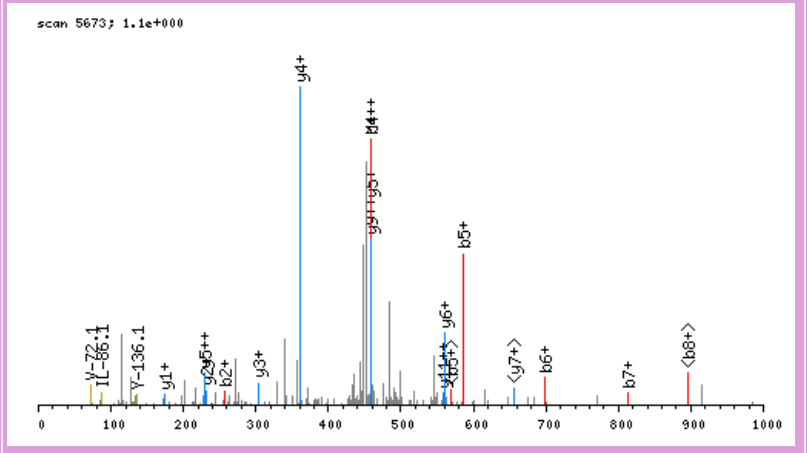
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	11		
257.1501	2	D	10	1058.5482	529.7780
370.2342	3	I	9	943.5213	472.2645
485.2611	4	D	8	830.4372	415.7225
572.2931	5	S	7	715.4103	358.2090
643.3303	6	A	6	628.3782	314.6930
740.3830	7	P	5	557.3411	279.1745
853.4671	8	I	4	460.2884	230.6481
954.5148	9	T	3	347.2043	174.1061
1025.5519	10	A	2	246.1566	123.5822
	11	R	1	175.1195	88.0637

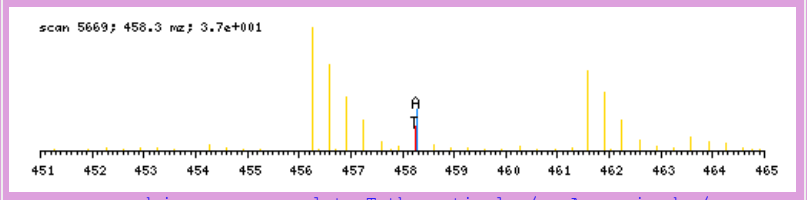
N-term:+29.04

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

LDISELNTVGAGR, MH+ 1372.7436, m/z 458.2527
L OS G13 P120811 220811-s1.05673.05673.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

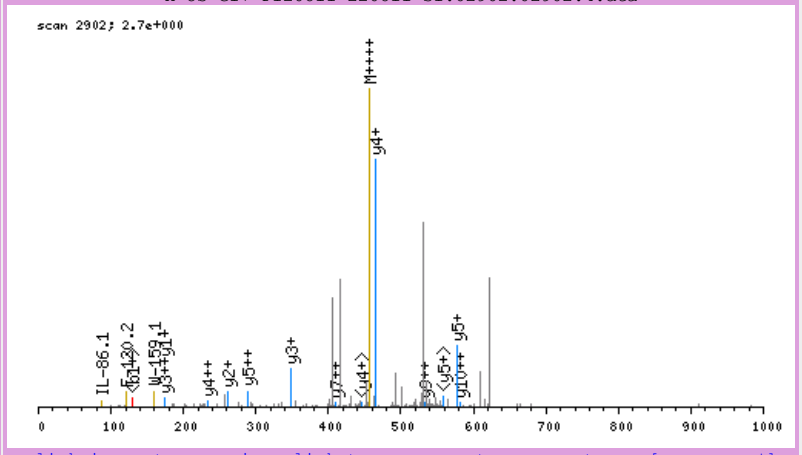


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

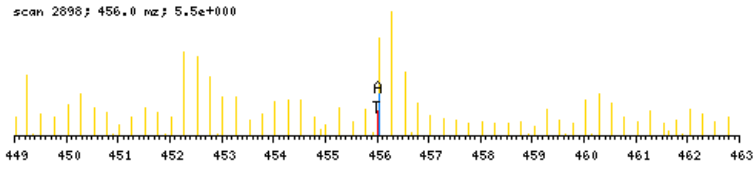
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
257.1501	2	D	12	1231.6283	616.3180
370.2342	3	I	11	1116.6013	**558.8046**
457.2662	4	S	10	1003.5172	502.2625
586.3088	5	E	9	916.4852	**458.7465**
699.3929	6	L	8	787.4426	394.2252
813.4358	7	N	7	674.3586	337.6832
914.4835	8	T	6	**560.3156**	280.6617
1013.5519	9	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

LDKAKTNQGWLDSSR, MH+ 1821.0719, m/z 456.0234
H OS G17 P120811 220811-s1.02902.02902.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

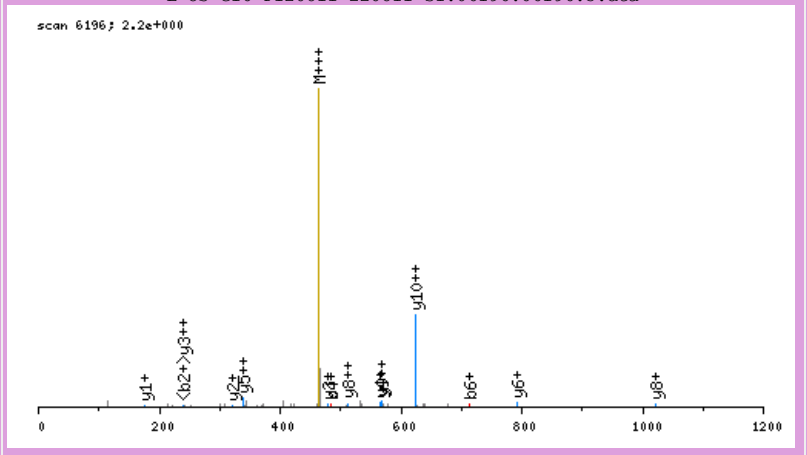
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
263.1819	2	D	14	1673.9248	837.4663
425.3400	3	K	13	1558.8978	779.9528
496.3771	4	A	12	1396.7397	698.8738
658.5352	5	K	11	1325.7026	663.3552
759.5829	6	T	10	1163.5445	**582.2762**
873.6258	7	N	9	1062.4968	**531.7523**
1001.6844	8	Q	8	948.4539	474.7309
1058.7059	9	G	7	820.3953	**410.7016**
1244.7852	10	W	6	763.3739	382.1909
1357.8692	11	L	5	**577.2946**	**289.1512**
1472.8962	12	D	4	**464.2105**	**232.6092**
1559.9282	13	S	3	**349.1836**	**175.0957**
1646.9602	14	S	2	**262.1515**	131.5797
	15	R	1	**175.1195**	88.0637

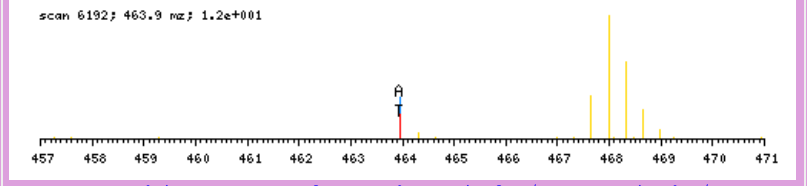
N-term:+35.07 K(3):+162.16
K(5):+162.16

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

LDLNLDLSKFR, MH+ 1389.8106, m/z 463.9417
L OS G16 P120811 220811-s1.06196.06196.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



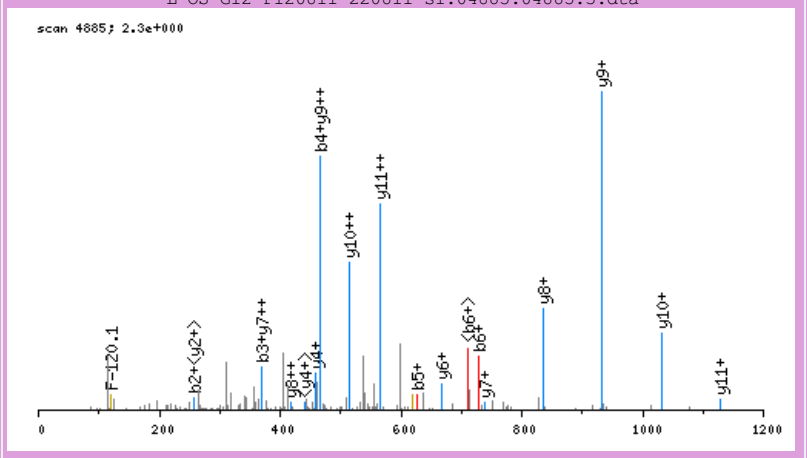
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

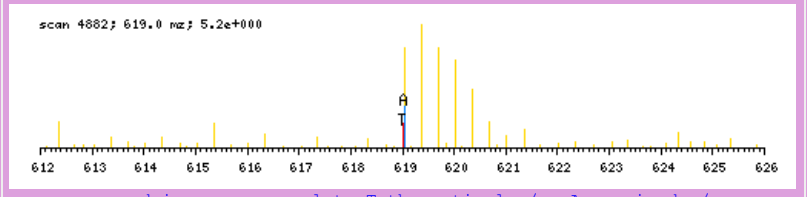
N-term:+29.04 K(9):+156.13

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+ 1855.0151, m/z 619.0099
L OS G12 P120811 220811-s1.04885.04885.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



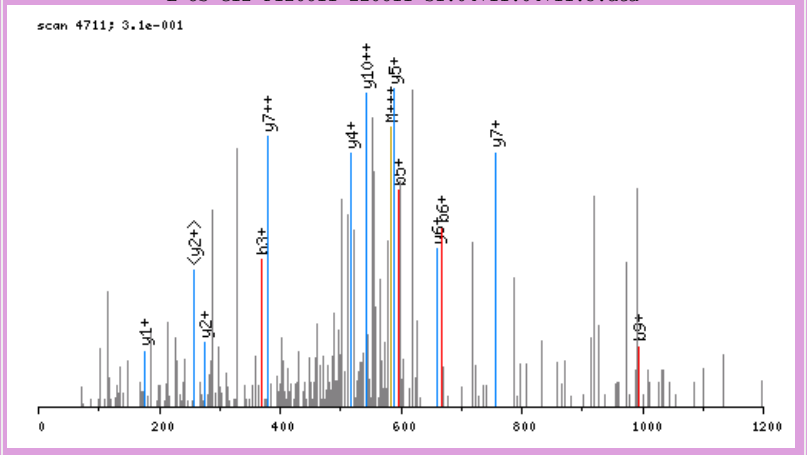
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
257.1501	2	D	16	1713.8998	857.4538
370.2342	3	L	15	1598.8728	799.9403
467.2869	4	P	14	1485.7887	743.3983
627.3175	5	C	13	1388.7360	694.8719
728.3652	6	T	12	1228.7054	614.8566
825.4180	7	P	11	1127.6577	564.3328
922.4707	8	P	10	1030.6049	515.8064
1019.5235	9	P	9	933.5522	467.2800
1116.5763	10	P	8	836.4994	418.7536
1187.6134	11	A	7	739.4466	370.2272
1284.6661	12	P	6	668.4095	334.7087
1397.7502	13	I	5	571.3568	286.1823
1494.8030	14	P	4	458.2727	229.6403
1581.8350	15	S	3	361.2199	181.1139
1680.9034	16	V	2	274.1879	137.5979
	17	R	1	175.1195	88.0637

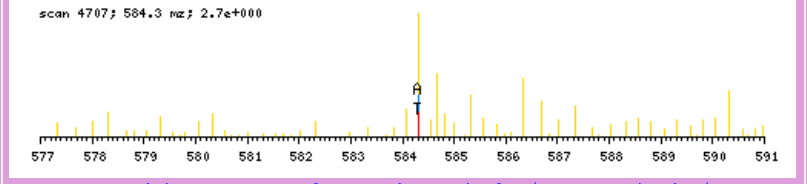
N-term:+29.04 C(5):+160.03

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

LDLPEAPDDPAALETR, MH+ 1750.8863, m/z 584.3003
L OS G12 P120811 220811-s1.04711.04711.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



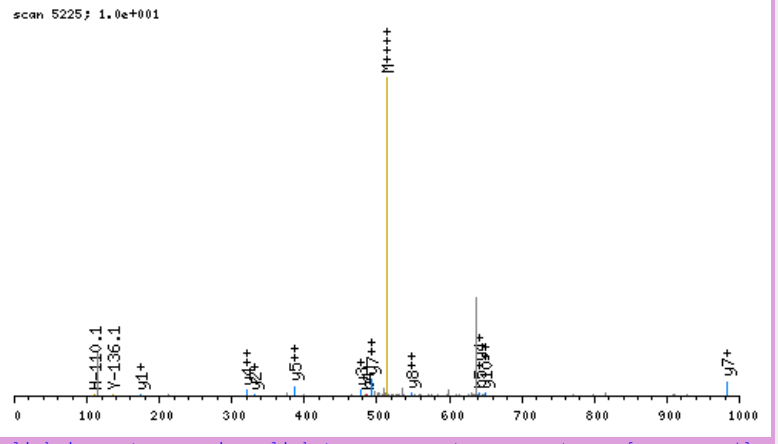
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
257.1501	2	D	15	1609.7710	805.3894
370.2342	3	L	14	1494.7440	747.8759
467.2869	4	P	13	1381.6599	691.3339
596.3295	5	E	12	1284.6072	642.8075
667.3666	6	A	11	1155.5646	578.2862
764.4194	7	P	10	1084.5275	**542.7677**
879.4463	8	D	9	987.4747	494.2413
994.4733	9	D	8	872.4478	436.7278
1091.5261	10	P	7	**757.4208**	**379.2143**
1162.5632	11	A	6	**660.3681**	330.6879
1233.6003	12	A	5	**589.3310**	295.1694
1346.6843	13	L	4	**518.2938**	259.6508
1475.7269	14	E	3	405.2098	203.1088
1576.7746	15	T	2	**276.1672**	138.5875
	16	R	1	**175.1195**	88.0637

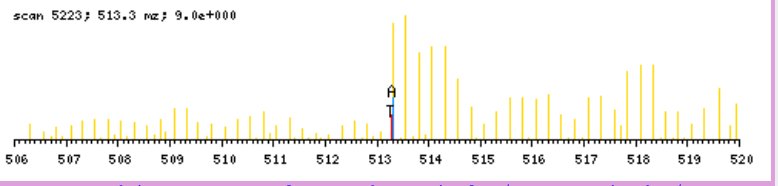
N-term:+29.04

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

LDNNKISNIPDEYFKR, MH+ 2050.0974, m/z 513.2798
L OS G17 P120811 220811-s1.05225.05225.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



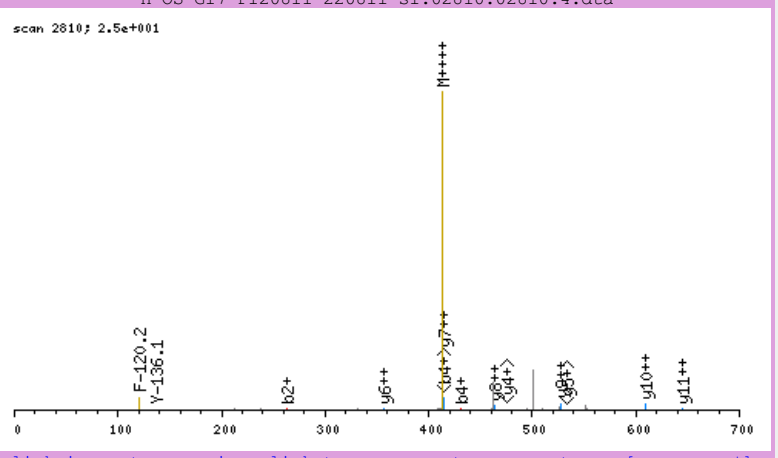
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
257.1501	2	D	15	1908.9820	954.9949
371.1930	3	N	14	1793.9551	897.4815
485.2360	4	N	13	1679.9122	840.4600
641.3623	5	K	12	1565.8692	783.4385
754.4463	6	I	11	1409.7429	705.3754
841.4784	7	S	10	1296.6589	**648.8333**
955.5213	8	N	9	1209.6268	605.3173
1068.6053	9	I	8	1095.5839	**548.2959**
1165.6581	10	P	7	**982.4998**	**491.7538**
1280.6851	11	D	6	885.4471	443.2275
1409.7276	12	E	5	770.4201	**385.7140**
1572.7910	13	Y	4	**641.3775**	**321.1927**
1719.8594	14	F	3	**478.3142**	239.6610
1875.9857	15	K	2	**331.2458**	166.1268
	16	R	1	**175.1195**	88.0637

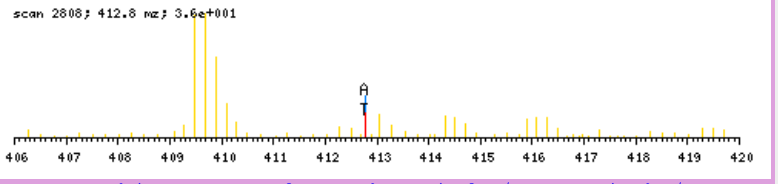
N-term:+29.04 K(5):+156.13
K(15):+156.13

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

LDPAYQVDKGGKVR, MH+ 1648.0283, m/z 412.7625
H OS G17 P120811 220811-s1.02810.02810.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



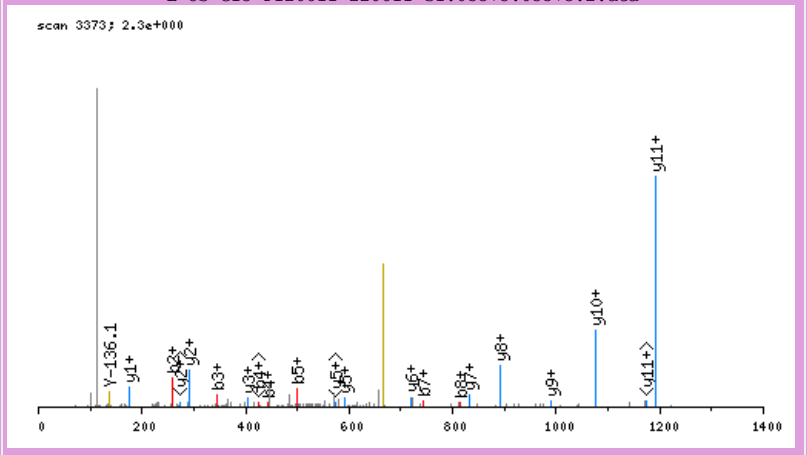
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	14		
263.1819	2	D	13	1500.8811	750.9445
360.2347	3	P	12	1385.8542	693.4310
431.2718	4	A	11	1288.8014	**644.9046**
594.3351	5	Y	10	1217.7643	**609.3861**
722.3937	6	Q	9	1054.7010	**527.8544**
821.4621	7	V	8	926.6424	**463.8251**
936.4890	8	D	7	827.5740	**414.2909**
1098.6471	9	K	6	712.5470	**356.7774**
1155.6686	10	G	5	550.3889	275.6984
1212.6901	11	G	4	493.3675	247.1877
1374.8482	12	K	3	436.3460	218.6769
1473.9166	13	V	2	274.1879	137.5979
	14	R	1	175.1195	88.0637

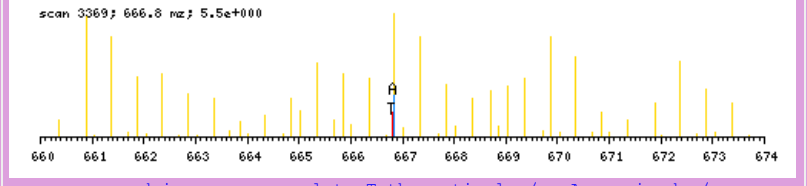
N-term:+35.07 K(9):+162.16
K(12):+162.16

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

LDSVGIEADDDR, MH+ 1332.6283, m/z 666.8178
L OS G13 P120811 220811-s1.03373.03373.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



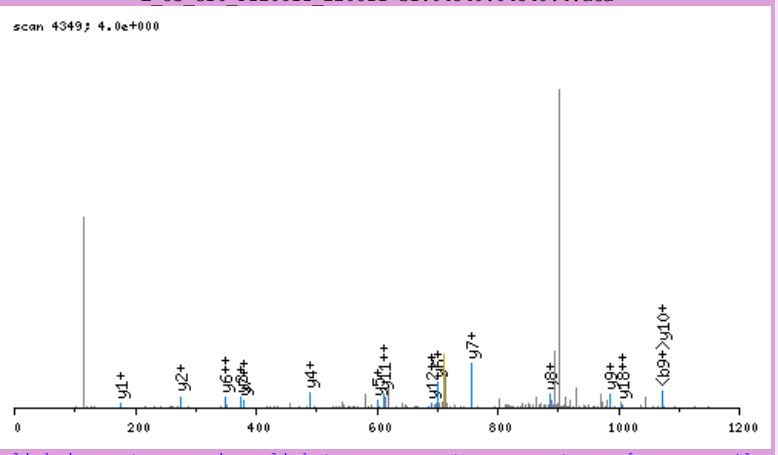
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

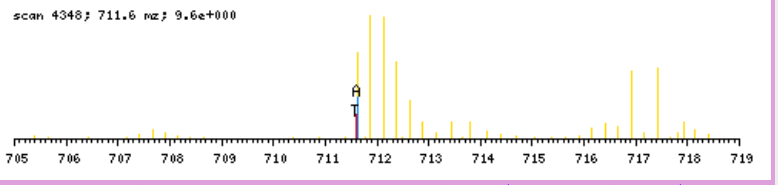
N-term:+29.04

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_G16_P120811_220811-s1.04349.04349.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



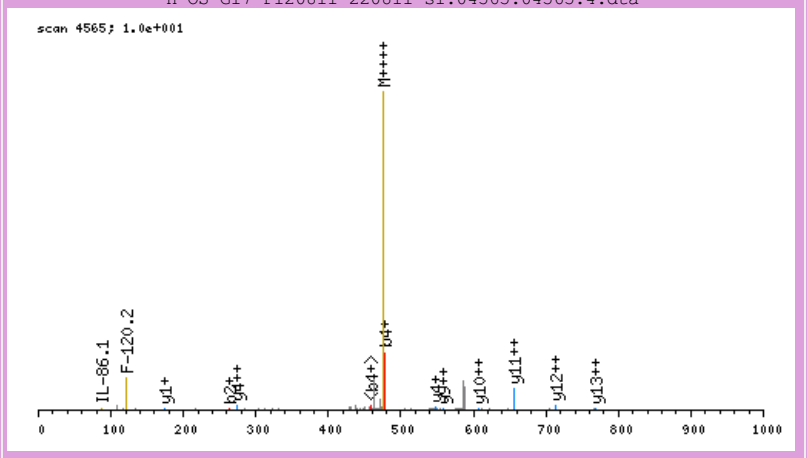
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

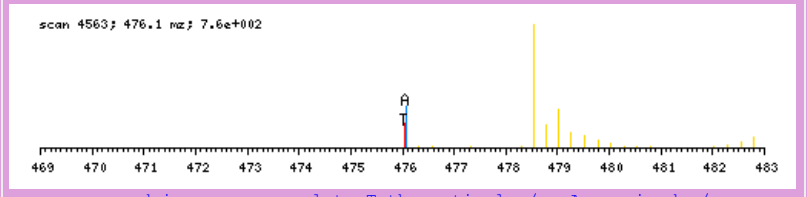
N-term:+29.04 C(4):+160.03
C(5):+160.03 K(6):+156.13
K(10):+156.13 C(13):+160.03

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

LDTILPPTRPTDKPLR, MH+ 1901.1860, m/z 476.0520
H OS G17 P120811 220811-s1.04565.04565.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



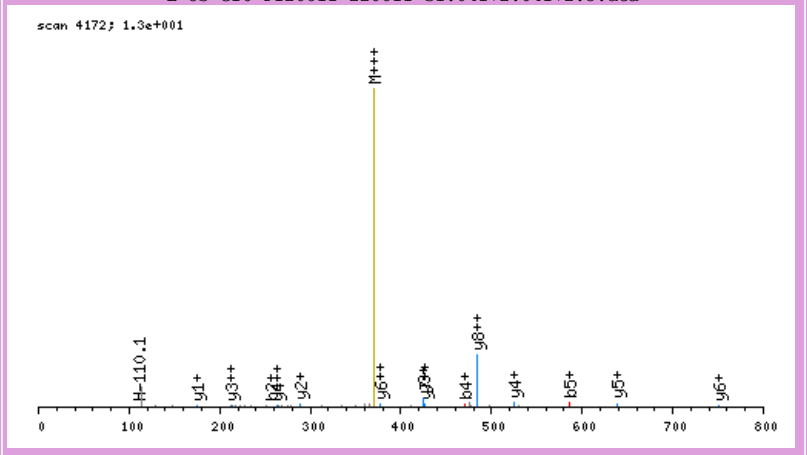
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
263.1819	2	D	15	1754.0389	877.5234
364.2296	3	T	14	1639.0119	820.0099
477.3136	4	I	13	1537.9643	**769.4860**
590.3977	5	L	12	1424.8802	**712.9440**
687.4505	6	P	11	1311.7961	**656.4020**
784.5032	7	P	10	1214.7434	**607.8756**
885.5509	8	T	9	1117.6906	**559.3492**
1041.6520	9	R	8	1016.6429	508.8254
1138.7048	10	P	7	860.5418	430.7748
1239.7525	11	T	6	763.4891	382.2484
1354.7794	12	D	5	662.4414	331.7246
1516.9375	13	K	4	**547.4144**	**274.2111**
1613.9903	14	P	3	385.2563	193.1321
1727.0743	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

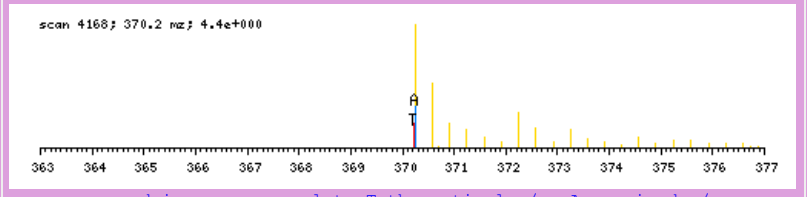
N-term:+35.07 K(13):+162.16

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

LDTINVHLR, MH+ 1108.6478, m/z 370.2208
L OS G16 P120811 220811-s1.04172.04172.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



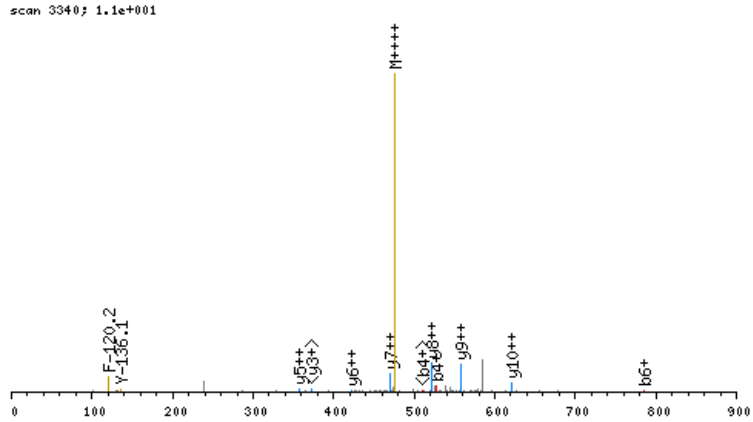
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	9		
257.1501	2	D	8	967.5325	484.2702
358.1978	3	T	7	852.5056	426.7567
471.2818	4	I	6	751.4579	376.2329
585.3248	5	N	5	638.3738	319.6908
684.3932	6	V	4	524.3309	262.6694
821.4521	7	H	3	425.2625	213.1352
934.5362	8	L	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

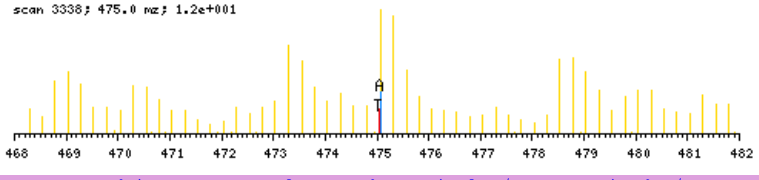
N-term:+29.04

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

LDTYQEATVEKKTLR, MH+ 1897.1495, m/z 475.0428
H OS G17 P120811 220811-s1.03340.03340.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



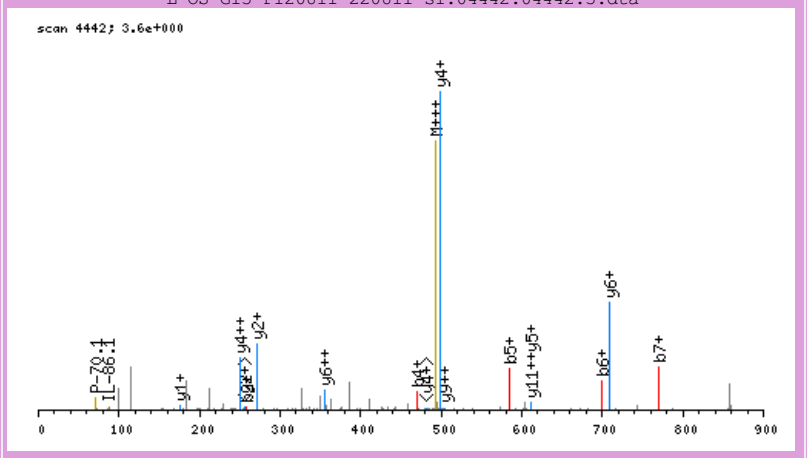
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
263.1819	2	D	14	1750.0024	875.5051
364.2296	3	T	13	1634.9754	817.9916
527.2929	4	Y	12	1533.9277	767.4678
655.3515	5	Q	11	1370.8644	685.9361
784.3941	6	E	10	1242.8058	**621.9068**
855.4312	7	A	9	1113.7632	**557.3855**
956.4789	8	T	8	1042.7261	**521.8670**
1055.5473	9	V	7	941.6785	**471.3431**
1184.5899	10	E	6	842.6100	**421.8089**
1346.7480	11	K	5	713.5674	**357.2876**
1508.9061	12	K	4	551.4093	276.2086
1609.9538	13	T	3	389.2512	195.1295
1723.0378	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

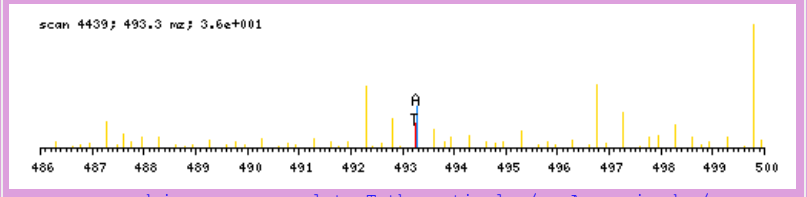
N-term:+35.07 K(11):+162.16
K(12):+162.16

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

LDVNDNAPIPEPR, MH+ 1477.7651, m/z 493.2599
L OS G13 P120811 220811-s1.04442.04442.3.dta



click image to zoom in; 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	1336.6497	668.8288
356.2185	3	V	11	1221.6228	**611.3153**
470.2614	4	N	10	1122.5544	561.7811
585.2884	5	D	9	1008.5114	**504.7596**
699.3313	6	N	8	893.4845	447.2462
770.3684	7	A	7	779.4416	390.2247
867.4212	8	P	6	**708.4044**	**354.7061**
980.5053	9	I	5	**611.3517**	306.1798
1077.5580	10	P	4	**498.2676**	**249.6377**
1206.6006	11	E	3	401.2149	201.1113
1303.6534	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:

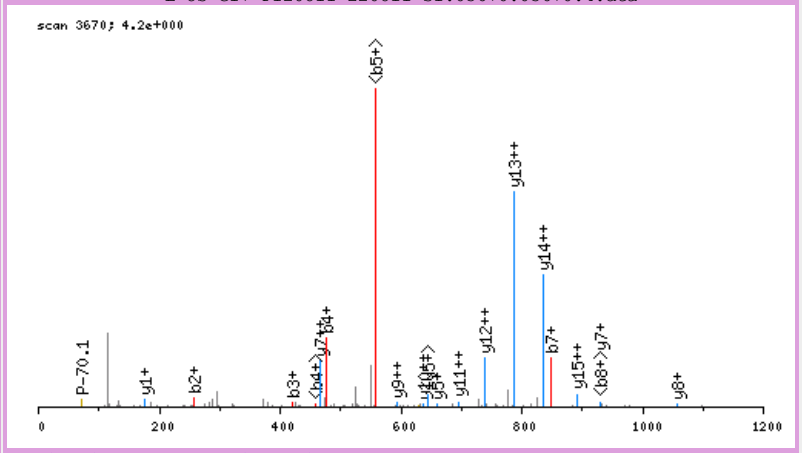
	+	2+	3+
a	☐	☐	☐
b	☑	☐	☐
c	☐	☐	☐
x	☐	☐	☐
y	☑	☑	☐
z	☐	☐	☐

hide H_2O/NH_3 ☐

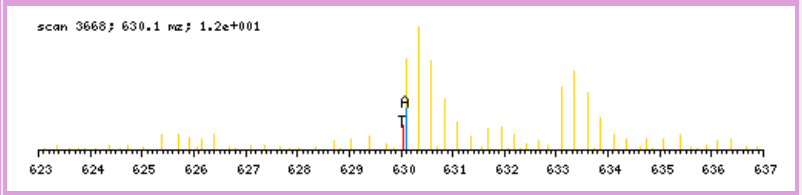
zoom 112-122 ☐

GO

LDYGPCDPPSNSQELKGQYHR, MH+ 2517.1832, m/z 630.0513
L OS G17 P120811 220811-s1.03670.03670.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



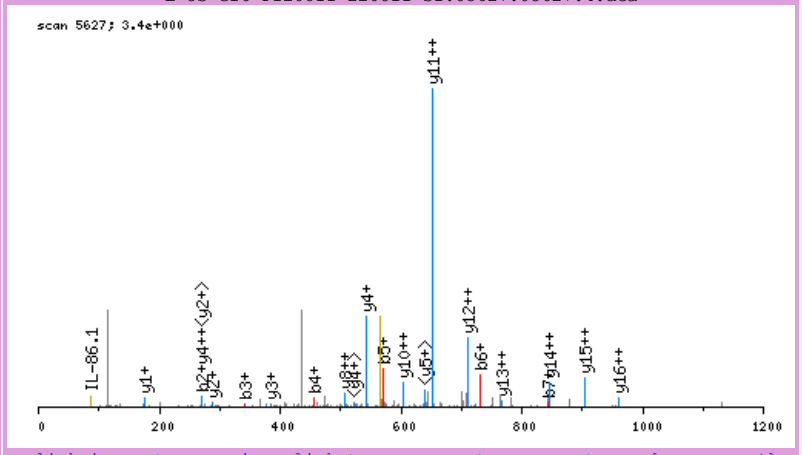
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	21		
257.1501	2	D	20	2376.0679	1188.5378
420.2134	3	Y	19	2261.0409	1131.0244
477.2349	4	G	18	2097.9776	1049.4927
574.2877	5	P	17	2040.9561	1020.9820
734.3183	6	C	16	1943.9034	972.4556
849.3452	7	D	15	1783.8728	892.4403
946.3980	8	P	14	1668.8458	834.9268
1043.4507	9	P	13	1571.7931	786.4004
1130.4828	10	S	12	1474.7403	737.8741
1244.5257	11	N	11	1387.7083	694.3580
1331.5577	12	S	10	1273.6653	637.3366
1459.6163	13	Q	9	1186.6333	593.8206
1588.6589	14	E	8	1058.5747	529.7913
1701.7430	15	L	7	929.5321	465.2700
1857.8693	16	K	6	816.4481	408.7280
1914.8907	17	G	5	660.3218	330.6648
2042.9493	18	Q	4	603.3003	302.1541
2206.0126	19	Y	3	475.2417	238.1248
2343.0715	20	H	2	312.1784	156.5931
	21	R	1	175.1195	88.0637

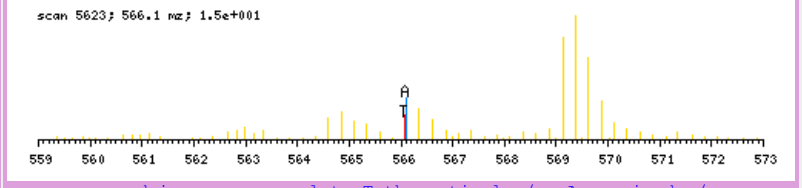
N-term:+29.04 C(6):+160.03
K(16):+156.13

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

LEALDCILPPTRPTDKPLR, MH+ 2261.2691, m/z 566.0727
L OS G16 P120811 220811-s1.05627.05627.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



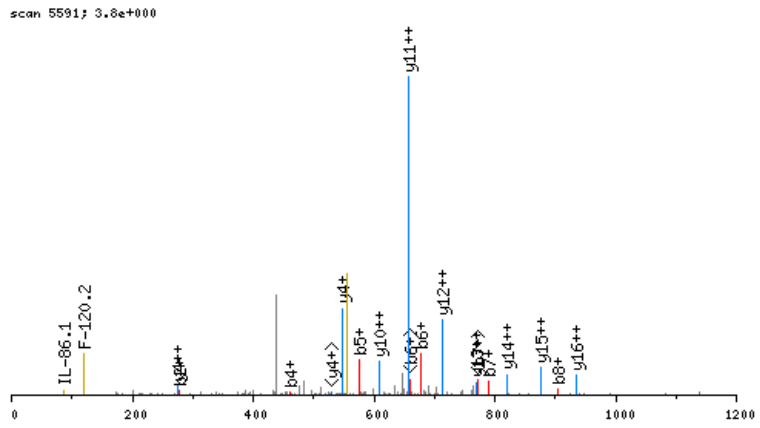
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

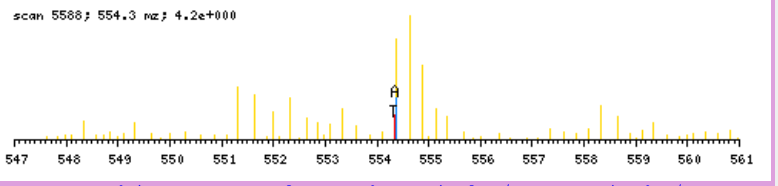
N-term:+29.04 C(6):+160.03
K(16):+156.13

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+ 2214.3498, m/z 554.3429
H OS G16 P120811 220811-s1.05591.05591.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



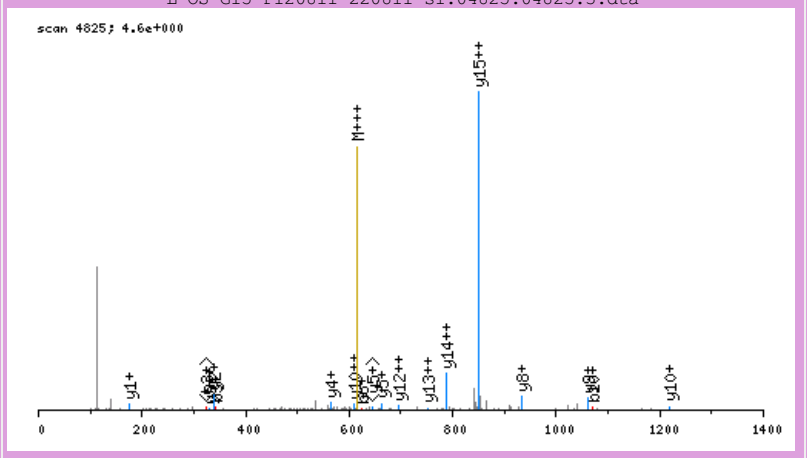
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	19		
277.1976	2	E	18	2067.2027	1034.1052
348.2347	3	A	17	1938.1601	969.5839
461.3187	4	L	16	1867.1229	**934.0654**
576.3457	5	D	15	1754.0389	**877.5234**
677.3934	6	T	14	1639.0119	**820.0099**
790.4774	7	I	13	1537.9643	**769.4860**
903.5615	8	L	12	1424.8802	**712.9440**
1000.6142	9	P	11	1311.7961	**656.4020**
1097.6670	10	P	10	1214.7434	**607.8756**
1198.7147	11	T	9	1117.6906	559.3492
1354.8158	12	R	8	1016.6429	508.8254
1451.8686	13	P	7	860.5418	430.7748
1552.9162	14	T	6	763.4891	382.2484
1667.9432	15	D	5	662.4414	331.7246
1830.1013	16	K	4	**547.4144**	**274.2111**
1927.1541	17	P	3	385.2563	193.1321
2040.2381	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

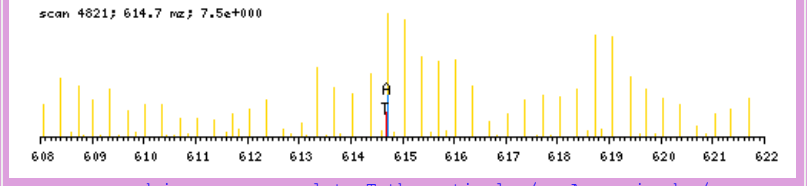
N-term:+35.07 K(16):+162.16

LEALGIKEGTIPPEYR, MH+ 1842.0377, m/z 614.6841
L OS G15 P120811 220811-s1.04825.04825.3.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±]



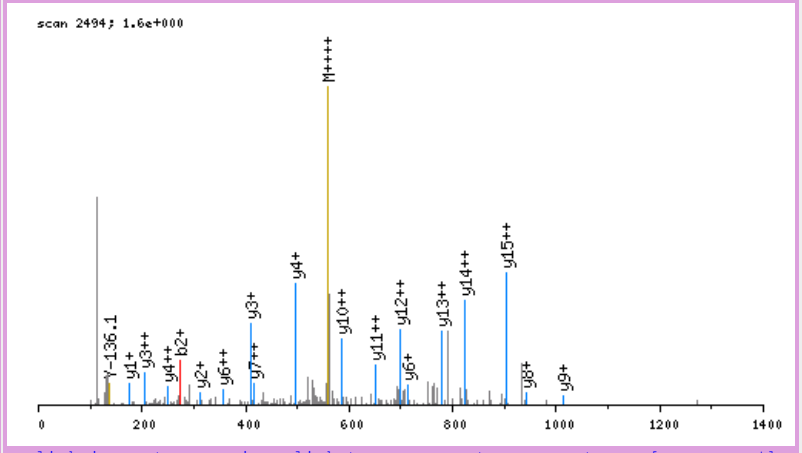
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
271.1658	2	E	15	1700.9223	**850.9651**
342.2029	3	A	14	1571.8798	**786.4438**
455.2869	4	L	13	1500.8426	**750.9252**
512.3084	5	G	12	1387.7586	**694.3832**
625.3925	6	I	11	1330.7371	665.8725
781.5188	7	K	10	**1217.6530**	**609.3304**
910.5614	8	E	9	**1061.5267**	531.2673
967.5828	9	G	8	**932.4842**	466.7460
1068.6305	10	T	7	875.4627	438.2353
1181.7146	11	I	6	774.4150	387.7114
1278.7673	12	P	5	**661.3310**	**331.1694**
1375.8201	13	P	4	**564.2782**	282.6430
1504.8627	14	E	3	467.2254	234.1166
1667.9260	15	Y	2	**338.1828**	169.5953
	16	R	1	**175.1195**	88.0637

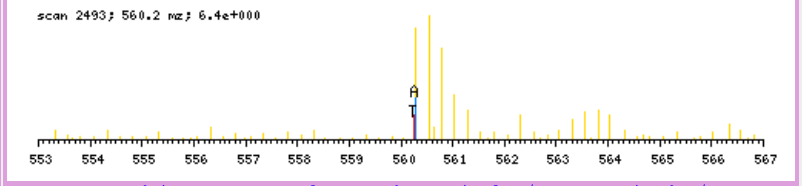
N-term:+29.04 K(7):+156.13

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

LECYSCVQKADDGCSPHR, MH+ 2237.9740, m/z 560.2490
L OS G17 P120811 220811-s1.02494.02494.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



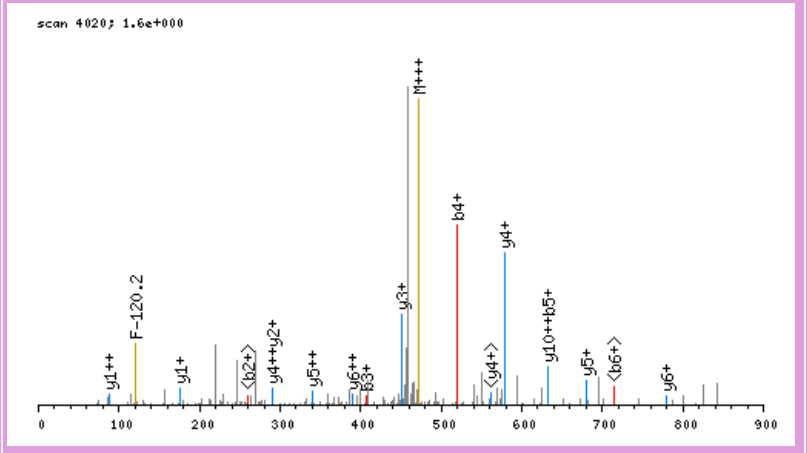
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	18		
271.1658	2	E	17	2096.8587	1048.9333
431.1964	3	C	16	1967.8161	984.4120
594.2597	4	Y	15	1807.7855	**904.3967**
681.2917	5	S	14	1644.7222	**822.8650**
841.3223	6	C	13	1557.6902	**779.3490**
940.3907	7	V	12	1397.6596	**699.3337**
1068.4493	8	Q	11	1298.5911	**649.7995**
1224.5756	9	K	10	1170.5326	**585.7702**
1295.6127	10	A	9	**1014.4063**	507.7070
1410.6397	11	D	8	**943.3692**	472.1885
1525.6666	12	D	7	828.3422	**414.6750**
1582.6881	13	G	6	**713.3153**	**357.1615**
1742.7187	14	C	5	656.2938	328.6508
1829.7507	15	S	4	**496.2632**	**248.6355**
1926.8035	16	P	3	**409.2312**	**205.1195**
2063.8624	17	H	2	**312.1784**	156.5931
	18	R	1	**175.1195**	88.0637

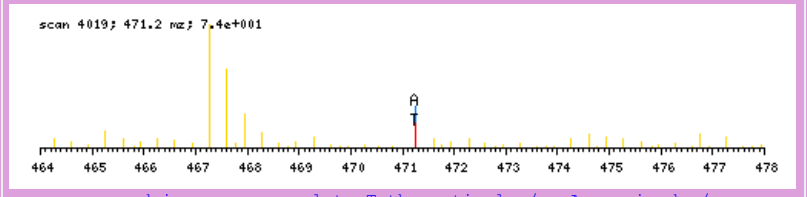
N-term:+29.04 C(3):+160.03
C(6):+160.03 K(9):+156.13
C(14):+160.03

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

LEELLTTQCDR, MH+ 1411.7314, m/z 471.2487
H OS G13 P120811 220811-s1.04020.04020.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



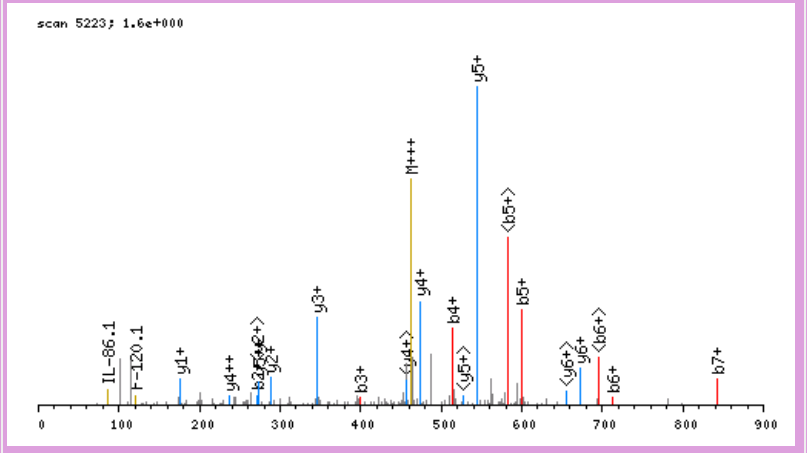
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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**

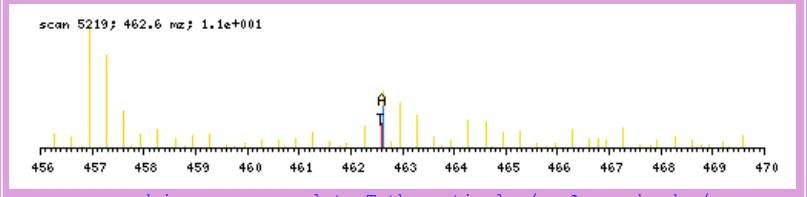
N-term:+35.07 C(9):+160.03

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

LEELSLEAQGIR, MH+ 1385.7640, m/z 462.5928
L OS G13 P120811 220811-s1.05223.05223.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



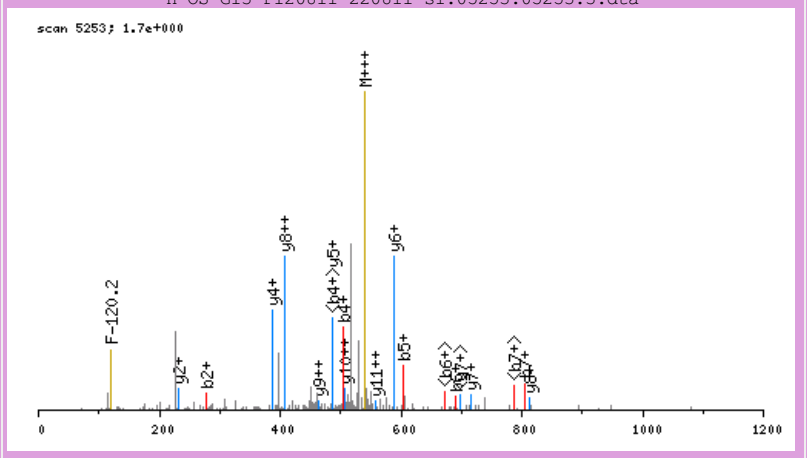
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
271.1658	2	E	11	1244.6487	622.8282
400.2084	3	E	10	1115.6061	558.3069
513.2924	4	L	9	986.5635	493.7856
600.3244	5	S	8	873.4794	437.2436
713.4085	6	L	7	786.4474	393.7276
842.4511	7	E	6	673.3633	337.1856
913.4882	8	A	5	544.3207	272.6643
1041.5468	9	Q	4	473.2836	237.1457
1098.5683	10	G	3	345.2250	173.1164
1211.6523	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

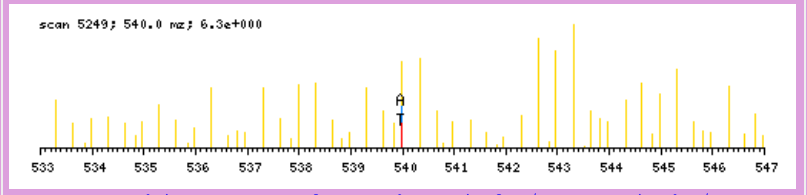
N-term:+29.04

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

LEIDVSNPQTVGVGR, MH+ 1617.9024, m/z 539.9723
H OS G13 P120811 220811-s1.05253.05253.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



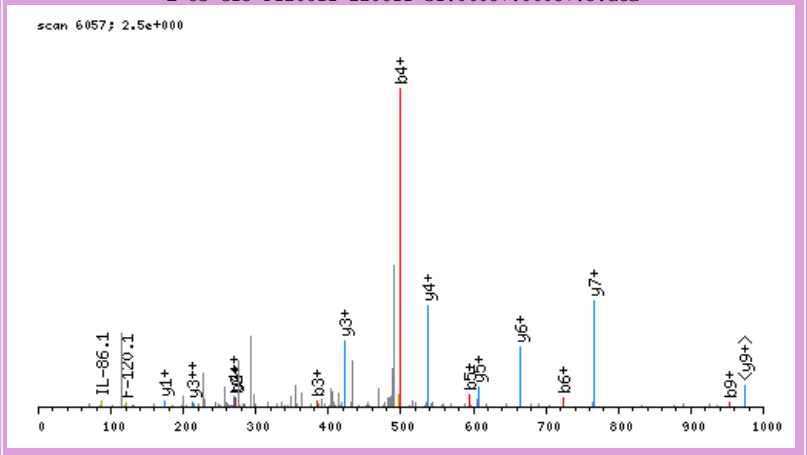
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	15		
277.1976	2	E	14	1470.7552	735.8815
390.2816	3	I	13	1341.7127	671.3602
505.3086	4	D	12	1228.6286	614.8182
604.3770	5	V	11	1113.6016	**557.3047**
691.4090	6	S	10	1014.5332	**507.7705**
805.4519	7	N	9	927.5012	**464.2545**
902.5047	8	P	8	**813.4583**	**407.2331**
1030.5633	9	Q	7	**716.4055**	358.7067
1131.6110	10	T	6	**588.3469**	294.6774
1230.6794	11	V	5	**487.2993**	244.1535
1287.7008	12	G	4	**388.2308**	194.6193
1386.7692	13	V	3	331.2094	166.1086
1443.7907	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

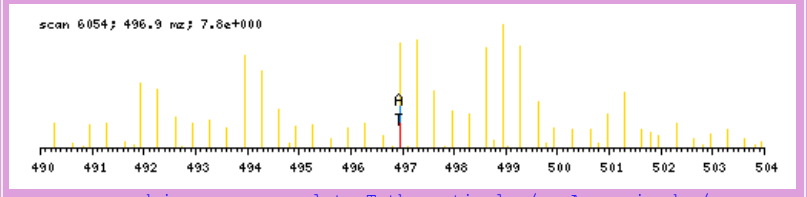
N-term:+35.07

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

LEINPETGAIFTR, MH+ 1488.8062, m/z 496.9402
L OS G13 P120811 220811-s1.06057.06057.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



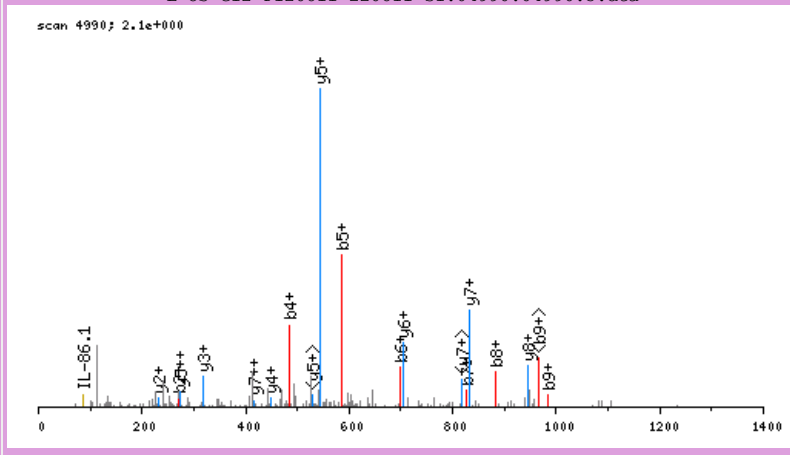
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
271.1658	2	E	12	1347.6909	674.3493
384.2498	3	I	11	1218.6483	609.8280
498.2927	4	N	10	1105.5642	553.2860
595.3455	5	P	9	991.5213	496.2645
724.3881	6	E	8	894.4685	447.7382
825.4358	7	T	7	**765.4259**	383.2169
882.4572	8	G	6	**664.3782**	332.6930
953.4944	9	A	5	**607.3568**	304.1823
1066.5784	10	I	4	**536.3197**	**268.6637**
1213.6468	11	F	3	**423.2356**	**212.1217**
1314.6945	12	T	2	276.1672	138.5875
	13	R	1	**175.1195**	88.0637

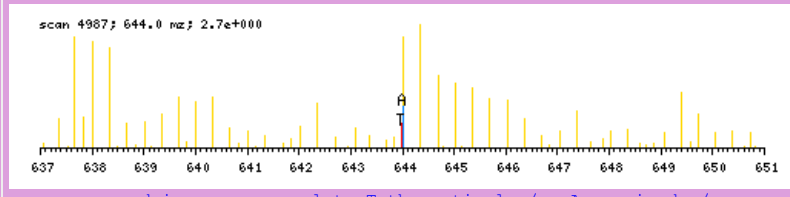
N-term:+29.04

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

LEVDVLEGTLQCPESGR, MH+ 1929.9591, m/z 643.9912
L OS G12 P120811 220811-s1.04990.04990.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



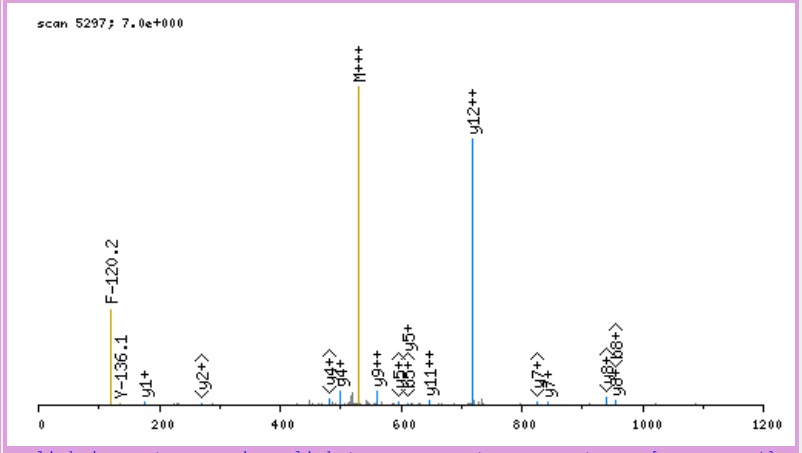
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
271.1658	2	E	16	1788.8438	894.9258
370.2342	3	V	15	1659.8012	830.4045
485.2611	4	D	14	1560.7327	780.8703
584.3295	5	V	13	1445.7058	723.3568
697.4136	6	L	12	1346.6374	673.8226
826.4562	7	E	11	1233.5533	617.2806
883.4776	8	G	10	1104.5107	552.7593
984.5253	9	T	9	1047.4893	524.2485
1097.6094	10	L	8	**946.4416**	473.7247
1225.6680	11	Q	7	**833.3575**	**417.1827**
1385.6986	12	C	6	**705.2989**	353.1534
1482.7513	13	P	5	**545.2683**	**273.1381**
1611.7939	14	E	4	**448.2156**	224.6117
1698.8260	15	S	3	**319.1730**	160.0904
1755.8474	16	G	2	**232.1410**	116.5744
	17	R	1	175.1195	88.0637

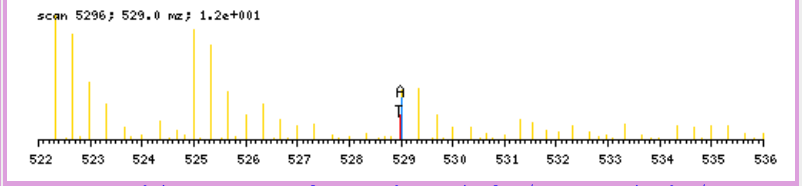
N-term:+29.04 C(12):+160.03

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

LFGDKLCAIPNLR, MH+ 1584.9572, m/z 528.9906
H OS G15 P120811 220811-s1.05297.05297.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



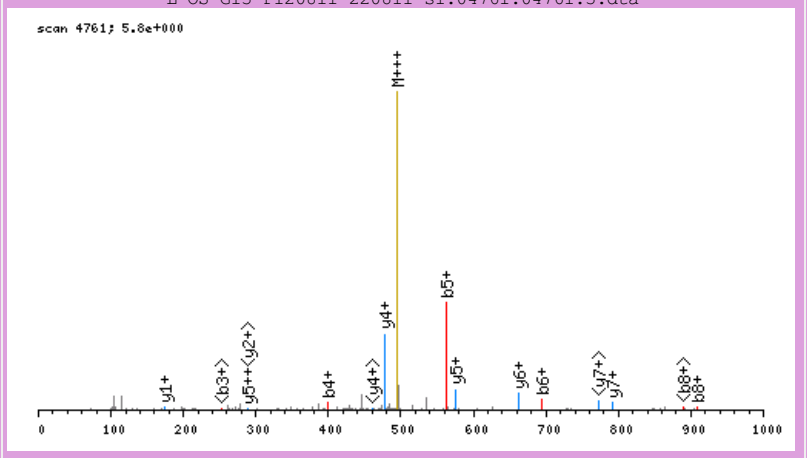
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

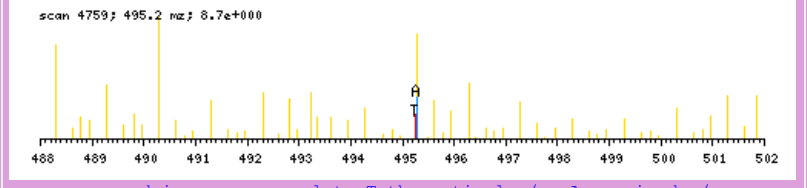
N-term:+35.07 K(5):+162.16
C(7):+160.03

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

LGAEYMQSVGNMR, MH+ 1483.7037, m/z 495.2394
L OS G13 P120811 220811-s1.04761.04761.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



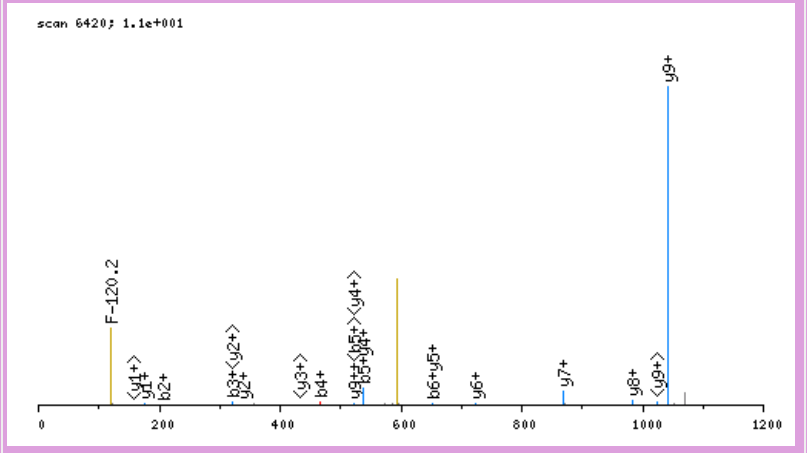
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

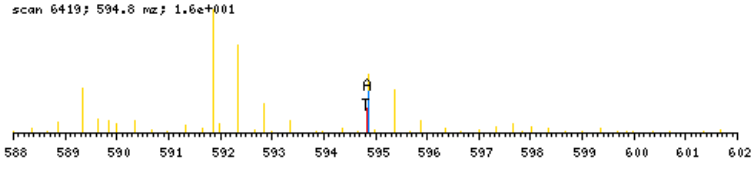
N-term:+29.04

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

LGDFAISLYR, MH+ 1188.6841, m/z 594.8457
H_OS_G13_P120811_220811-s1.06420.06420.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



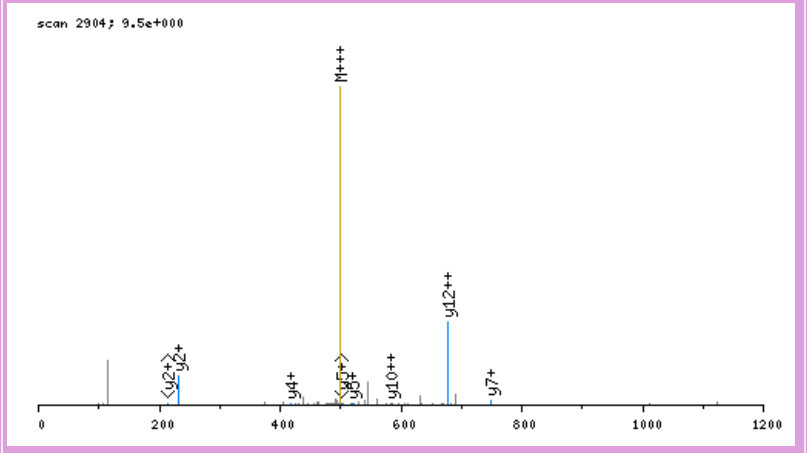
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

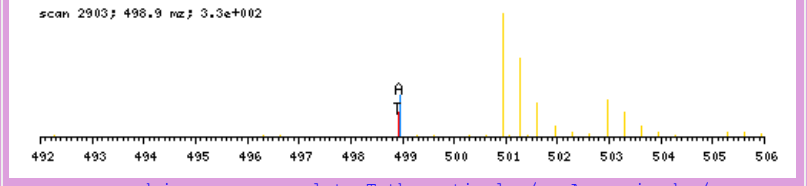
N-term:+35.07

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

LGEKFDETTADGR, MH+ 1494.7440, m/z 498.9195
L OS G16 P120811 220811-s1.02904.02904.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



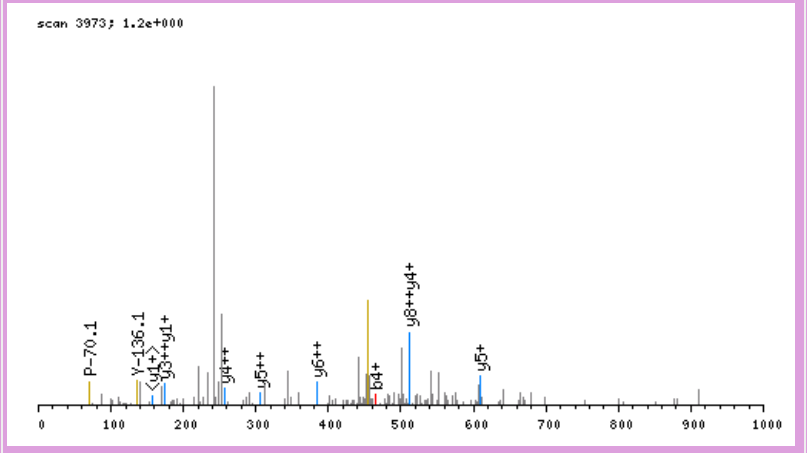
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
199.1446	2	G	12	1353.6287	**677.3183**
328.1872	3	E	11	1296.6072	648.8075
484.3135	4	K	10	1167.5646	**584.2862**
631.3819	5	F	9	1011.4383	506.2231
746.4089	6	D	8	864.3699	432.6889
875.4515	7	E	7	**749.3430**	375.1754
976.4991	8	T	6	620.3004	310.6541
1077.5468	9	T	5	**519.2527**	260.1303
1148.5839	10	A	4	**418.2050**	209.6064
1263.6109	11	D	3	347.1679	174.0879
1320.6323	12	G	2	**232.1410**	116.5744
	13	R	1	175.1195	88.0637

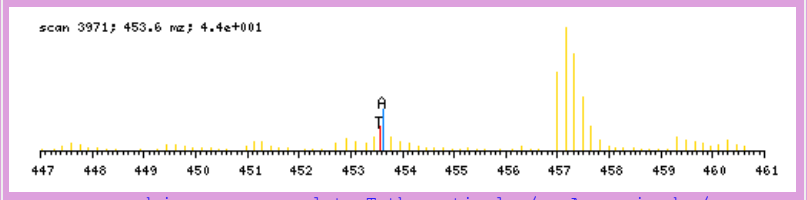
N-term:+29.04 K(4):+156.13

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

LGMEERPYSSR, MH+ 1358.6950, m/z 453.5699
H OS G19 P120811 220811-s1.03973.03973.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



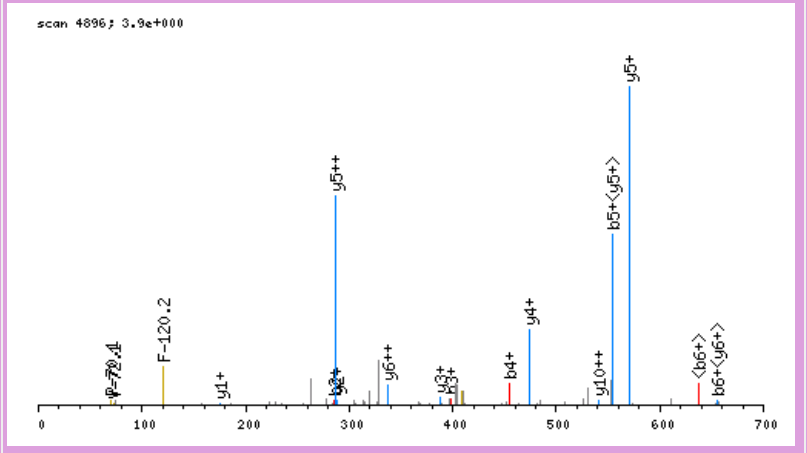
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
205.1764	2	G	10	1211.5479	606.2779
336.2169	3	M	9	1154.5264	577.7671
465.2595	4	E	8	1023.4859	**512.2469**
594.3021	5	E	7	894.4434	447.7256
750.4032	6	R	6	765.4008	**383.2043**
847.4560	7	P	5	**609.2997**	**305.1537**
1010.5193	8	Y	4	**512.2469**	**256.6274**
1097.5513	9	S	3	349.1836	**175.0957**
1184.5834	10	S	2	262.1515	131.5797
	11	R	1	**175.1195**	88.0637

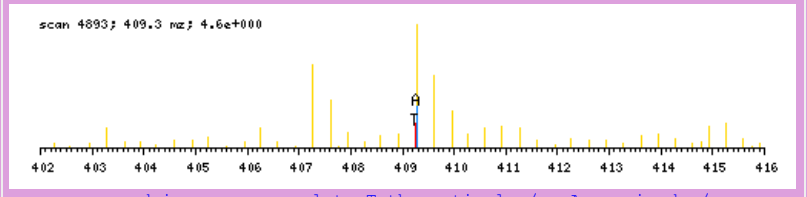
N-term:+35.07

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

LHLGVTPSVLR, MH+ 1225.7844, m/z 409.2663
H OS G16 P120811 220811-s1.04896.04896.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



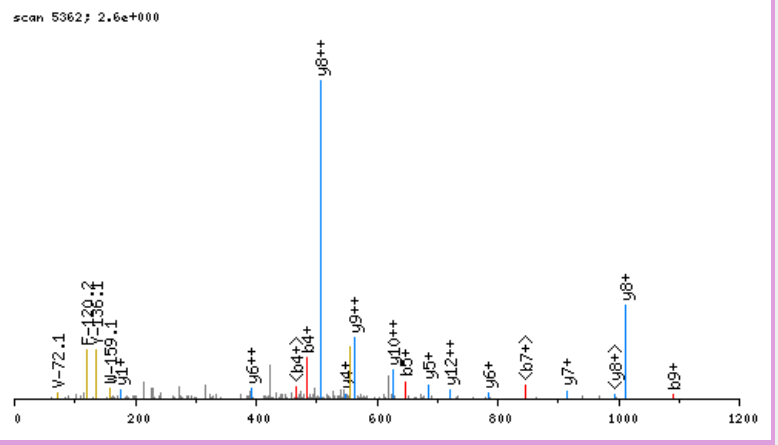
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
285.2139	2	H	10	1078.6373	**539.8226**
398.2979	3	L	9	941.5784	471.2931
455.3194	4	G	8	828.4943	414.7511
554.3878	5	V	7	771.4729	386.2403
655.4355	6	T	6	672.4044	**336.7061**
752.4883	7	P	5	**571.3568**	**286.1823**
839.5203	8	S	4	**474.3040**	237.6559
938.5887	9	V	3	**387.2720**	194.1399
1051.6728	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

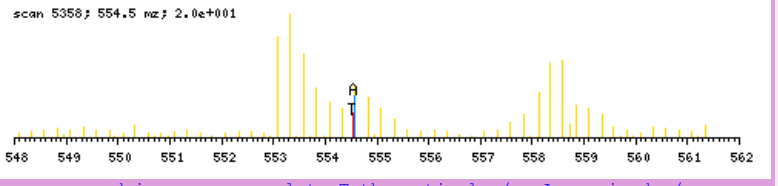
N-term:+35.07

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

LHTVYQSVELPETHQMLR, MH+ 2215.1757, m/z 554.5494
H OS G17 P120811 220811-s1.05362.05362.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



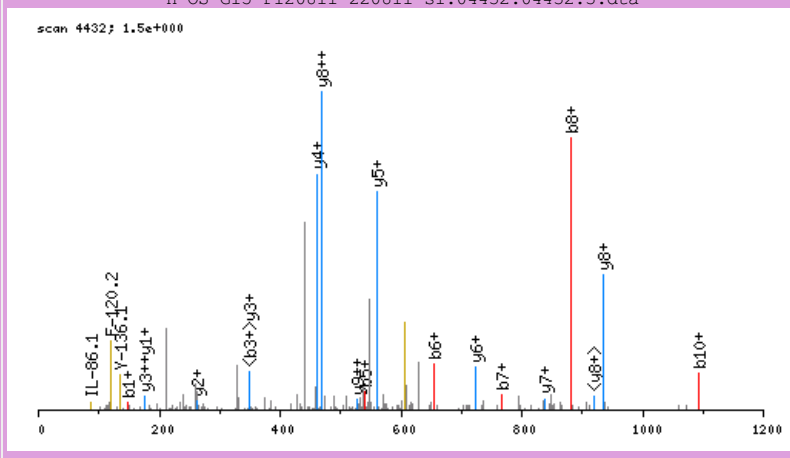
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
285.2139	2	H	17	2068.0286	1034.5182
386.2616	3	T	16	1930.9697	965.9887
485.3300	4	V	15	1829.9220	915.4649
648.3933	5	Y	14	1730.8536	865.9307
776.4519	6	Q	13	1567.7903	784.3990
863.4839	7	S	12	1439.7317	**720.3697**
962.5523	8	V	11	1352.6996	676.8537
1091.5949	9	E	10	1253.6312	**627.3195**
1204.6790	10	L	9	1124.5886	**562.7982**
1301.7317	11	P	8	**1011.5046**	**506.2562**
1430.7743	12	E	7	**914.4518**	457.7298
1531.8220	13	T	6	**785.4092**	**393.2085**
1668.8809	14	H	5	**684.3615**	342.6847
1796.9395	15	Q	4	**547.3026**	274.1552
1927.9800	16	M	3	419.2440	210.1259
2041.0640	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

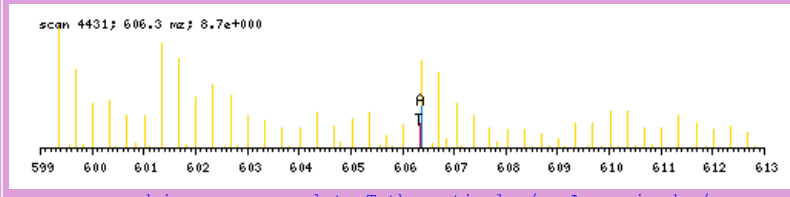
N-term:+35.07

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

LKGGDDLDPNYVLSSR, MH+ 1817.0081, m/z 606.3409
H OS G15 P120811 220811-s1.04432.04432.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



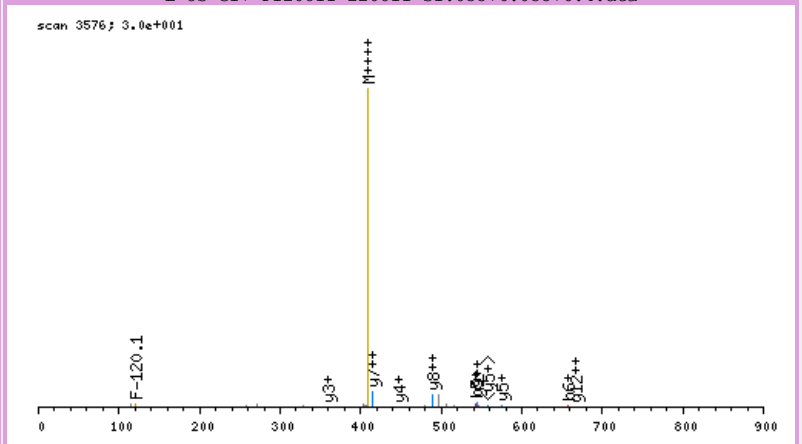
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	16		
310.3131	2	K	15	1669.8610	835.4344
367.3345	3	G	14	1507.7029	754.3554
424.3560	4	G	13	1450.6814	725.8446
539.3829	5	D	12	1393.6599	697.3339
654.4099	6	D	11	1278.6330	639.8204
767.4939	7	L	10	1163.6061	582.3069
882.5209	8	D	9	1050.5220	525.7649
979.5736	9	P	8	935.4951	468.2514
1093.6166	10	N	7	838.4423	419.7251
1256.6799	11	Y	6	724.3994	362.7036
1355.7483	12	V	5	561.3360	281.1719
1468.8324	13	L	4	462.2676	231.6377
1555.8644	14	S	3	349.1836	175.0957
1642.8964	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

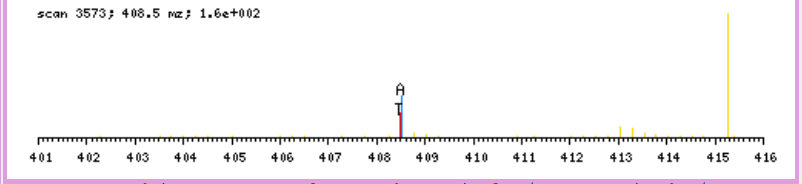
N-term:+35.07 K(2):+162.16

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

LKGGMLFPKESPSR, MH+ 1630.9355, m/z 408.4893
L OS G17 P120811 220811-s1.03576.03576.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



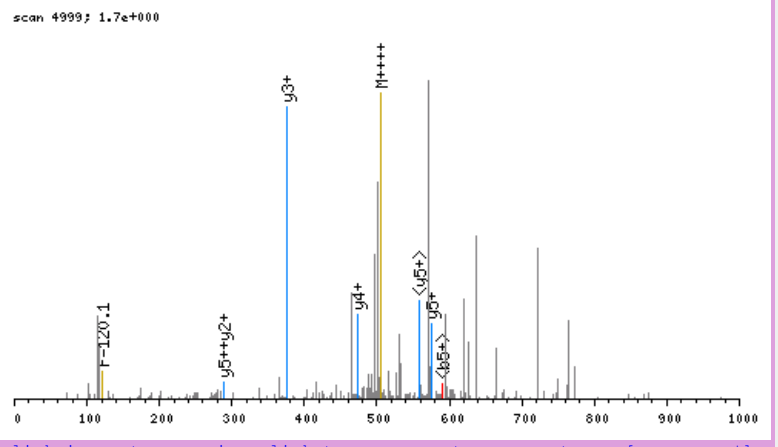
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
298.2495	2	K	13	1489.8202	745.4140
355.2709	3	G	12	1333.6939	**667.3508**
412.2924	4	G	11	1276.6724	638.8401
543.3329	5	M	10	1219.6509	610.3294
656.4169	6	L	9	1088.6105	**544.8091**
803.4854	7	F	8	975.5264	**488.2671**
900.5381	8	P	7	828.4580	**414.7329**
1056.6644	9	K	6	731.4052	366.2065
1185.7070	10	E	5	**575.2789**	288.1434
1272.7390	11	S	4	**446.2363**	223.6221
1369.7918	12	P	3	**359.2043**	180.1061
1456.8238	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

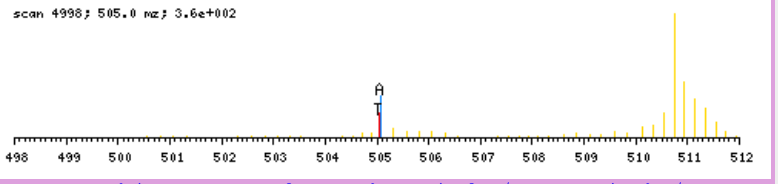
N-term:+29.04 K(2):+156.13
K(9):+156.13

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

LKGPKEISGFEGDTVSLR, MH+ 2017.1334, m/z 505.0388
L OS G17 P120811 220811-s1.04999.04999.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



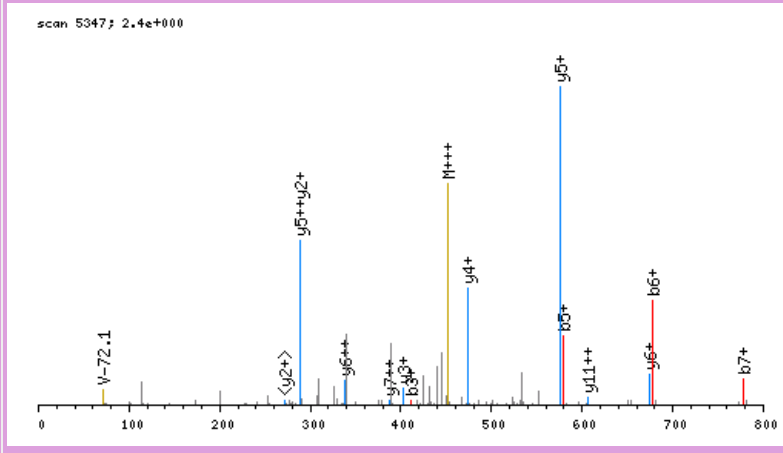
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

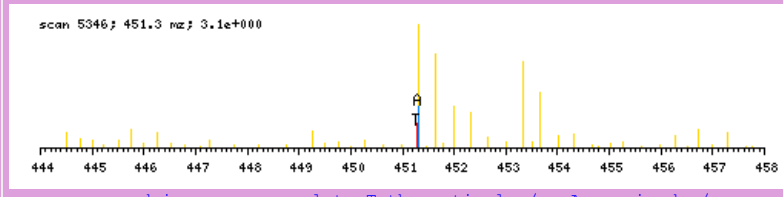
N-term:+29.04 K(2):+156.13
K(5):+156.13

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

LKLPAVVTADLR, MH+ 1351.8677, m/z 451.2941
L OS G15 P120811 220811-s1.05347.05347.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



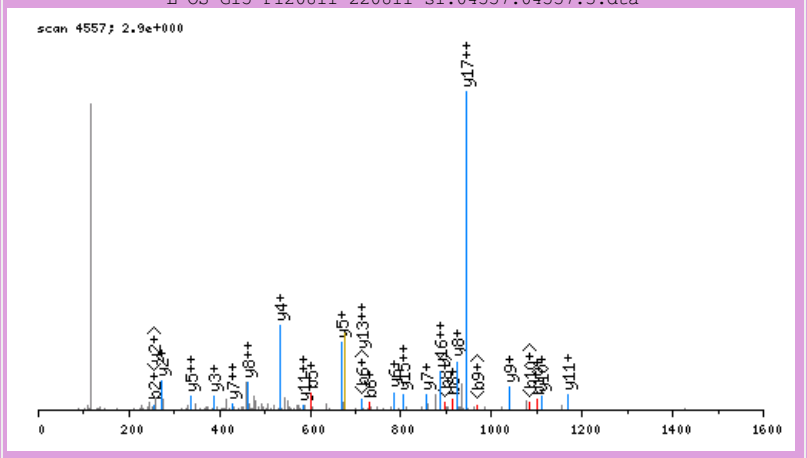
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
298.2495	2	K	11	1210.7524	**605.8801**
411.3335	3	L	10	1054.6261	527.8169
508.3863	4	P	9	941.5420	471.2749
579.4234	5	A	8	844.4892	422.7485
678.4918	6	V	7	773.4521	**387.2300**
777.5602	7	V	6	**674.3837**	**337.6958**
878.6079	8	T	5	**575.3153**	**288.1616**
949.6450	9	A	4	**474.2676**	237.6377
1064.6720	10	D	3	**403.2305**	202.1192
1177.7560	11	L	2	**288.2036**	144.6057
	12	R	1	175.1195	88.0637

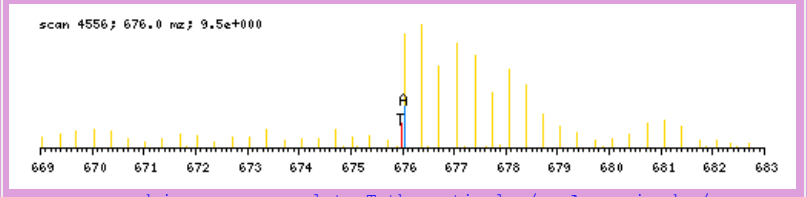
N-term:+29.04 K(2):+156.13

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

LLCGEEQGADAALHFNPR, MH+ 2025.9816, m/z 675.9987
L OS G15 P120811 220811-s1.04557.04557.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



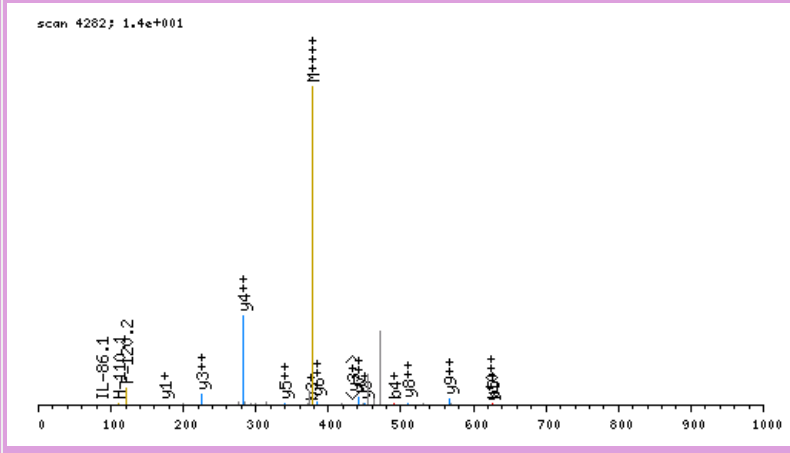
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	18		
255.2072	2	L	17	1884.8662	942.9370
415.2378	3	C	16	1771.7822	886.3950
472.2593	4	G	15	1611.7516	806.3797
601.3019	5	E	14	1554.7301	777.8690
730.3445	6	E	13	1425.6875	713.3477
858.4031	7	Q	12	1296.6449	648.8264
915.4245	8	G	11	1168.5863	584.7971
986.4616	9	A	10	1111.5649	556.2863
1101.4886	10	D	9	1040.5278	520.7678
1172.5257	11	A	8	925.5008	463.2543
1243.5628	12	A	7	854.4637	427.7358
1356.6469	13	L	6	783.4266	392.2172
1493.7058	14	H	5	670.3425	335.6752
1640.7742	15	F	4	533.2836	267.1457
1754.8171	16	N	3	386.2152	193.6115
1851.8699	17	P	2	272.1723	136.5900
	18	R	1	175.1195	88.0637

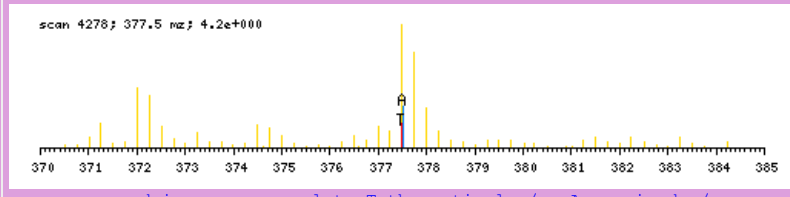
N-term:+29.04 C(3):+160.03

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

LNIDHLSDDKLR, MH+ 1506.8916, m/z 377.4784
H OS G17 P120811 220811-s1.04282.04282.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



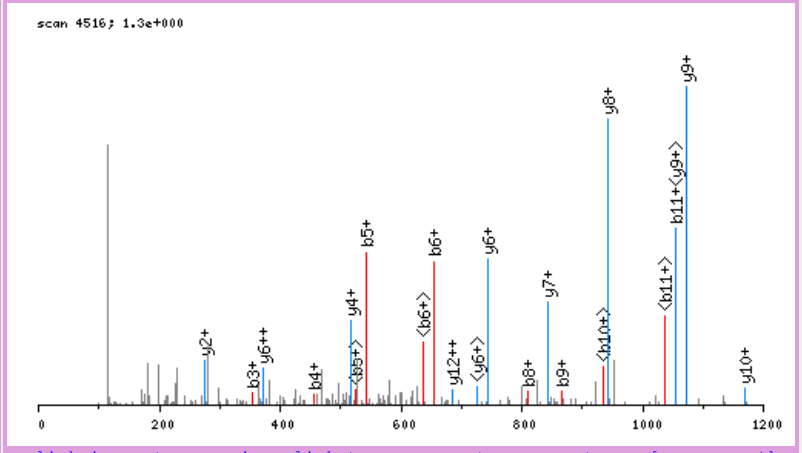
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

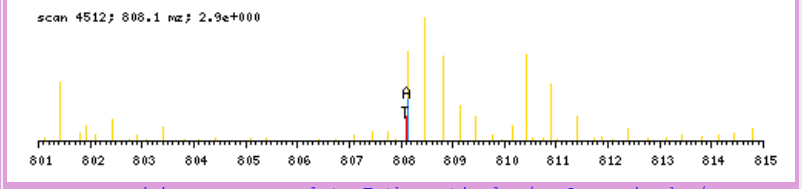
N-term:+35.07 K(10):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

LPDTSIPGGSTPTVQVTPQLETR, MH+ 2422.2829, m/z 808.0992
L OS G12 P120811 220811-s1.04516.04516.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



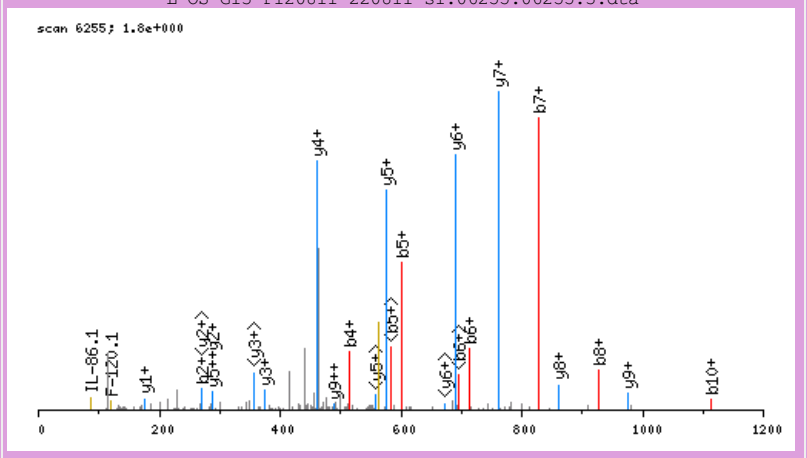
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	23		
239.1759	2	P	22	2281.1676	1141.0877
354.2029	3	D	21	2184.1148	1092.5613
455.2505	4	T	20	2069.0879	1035.0478
542.2826	5	S	19	1968.0402	984.5240
655.3666	6	I	18	1881.0082	941.0080
752.4194	7	P	17	1767.9241	884.4660
809.4409	8	G	16	1670.8713	835.9396
866.4623	9	G	15	1613.8499	807.4288
953.4944	10	S	14	1556.8284	778.9181
1054.5420	11	T	13	1469.7964	735.4021
1151.5948	12	P	12	1368.7487	**684.8783**
1252.6425	13	T	11	1271.6959	636.3519
1351.7109	14	V	10	**1170.6483**	585.8280
1479.7695	15	Q	9	**1071.5798**	536.2938
1578.8379	16	V	8	**943.5213**	472.2645
1679.8856	17	T	7	**844.4529**	422.7303
1776.9383	18	P	6	**743.4052**	**372.2065**
1904.9969	19	Q	5	646.3524	323.6801
2018.0810	20	L	4	**518.2938**	259.6508
2147.1236	21	E	3	405.2098	203.1088
2248.1712	22	T	2	**276.1672**	138.5875
	23	R	1	175.1195	88.0637

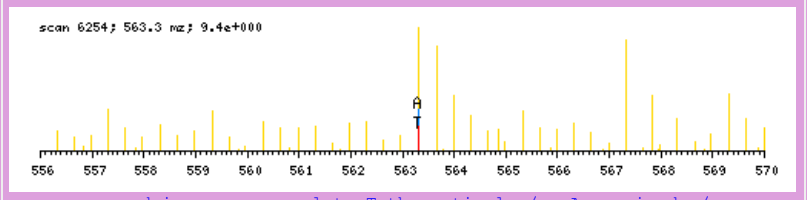
N-term:+29.04

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

LQEDSLNVADLSSLR, MH+ 1687.8866, m/z 563.3004
L OS G13 P120811 220811-s1.06255.06255.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



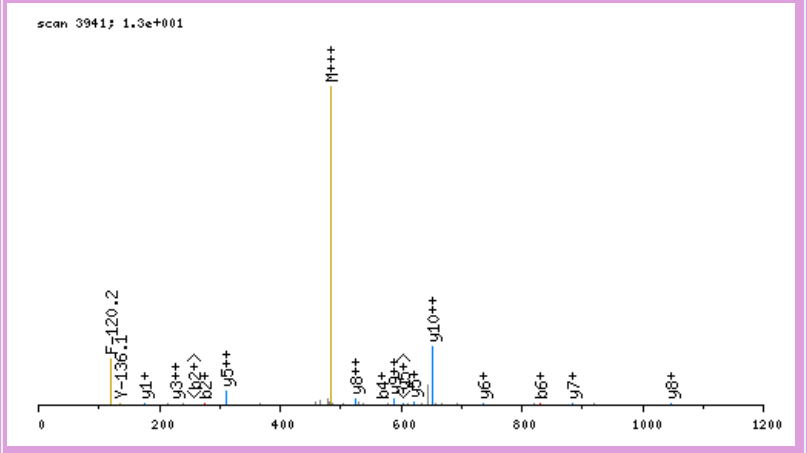
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

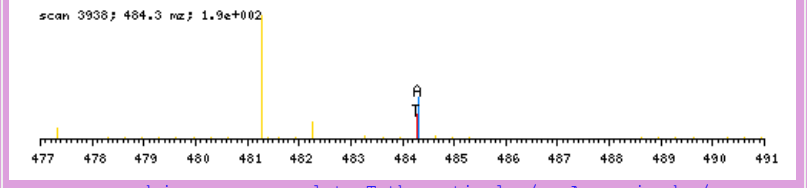
N-term:+29.04

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

LQEYFDGNLKR, MH+ 1450.8331, m/z 484.2825
H OS G16 P120811 220811-s1.03941.03941.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



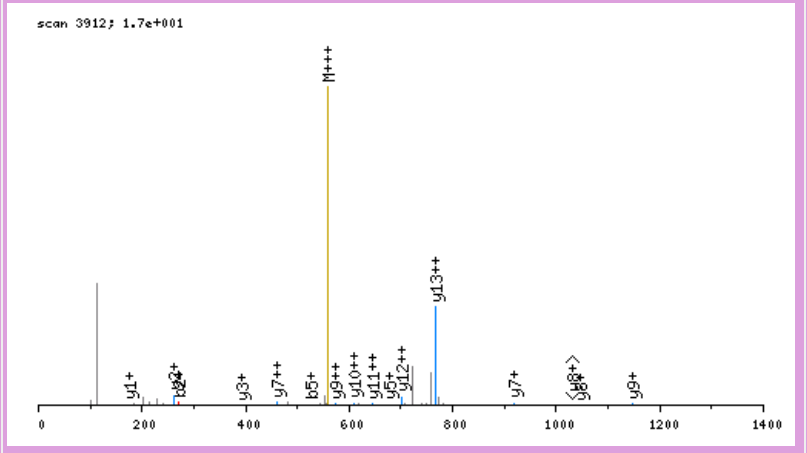
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
276.2135	2	Q	10	1303.6859	**652.3469**
405.2561	3	E	9	1175.6273	**588.3176**
568.3195	4	Y	8	**1046.5847**	**523.7963**
715.3879	5	F	7	**883.5214**	442.2646
830.4148	6	D	6	**736.4530**	368.7304
887.4363	7	G	5	**621.4261**	**311.2169**
1001.4792	8	N	4	564.4046	282.7062
1114.5633	9	L	3	450.3617	**225.6847**
1276.7214	10	K	2	337.2776	169.1427
	11	R	1	**175.1195**	88.0637

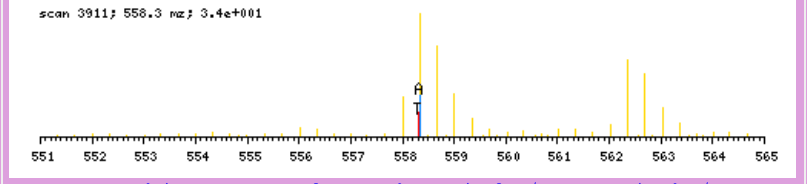
N-term:+35.07 K(10):+162.16

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

LQIAATELEKEESR, MH+ 1672.9122, m/z 558.3089
L OS G15 P120811 220811-s1.03912.03912.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



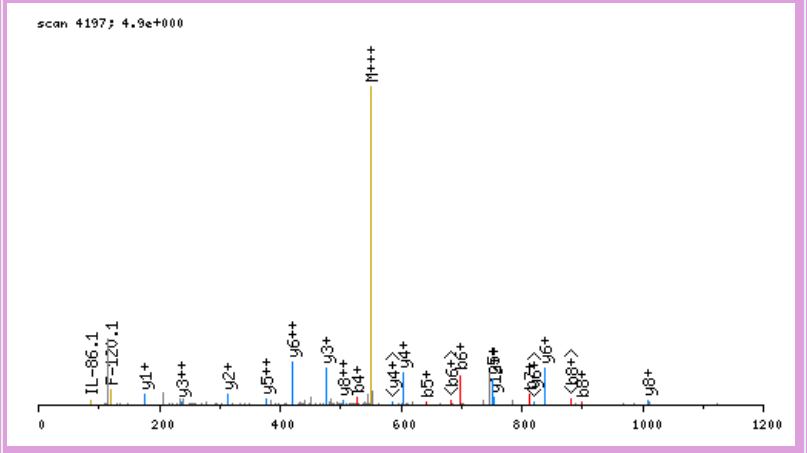
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

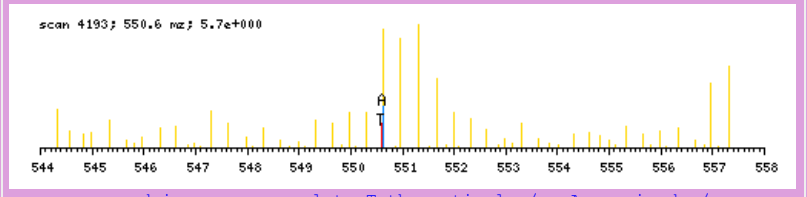
N-term:+29.04 K(10):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LQQEDGISFEYHR, MH+ 1649.7923, m/z 550.6023
L OS G16 P120811 220811-s1.04197.04197.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

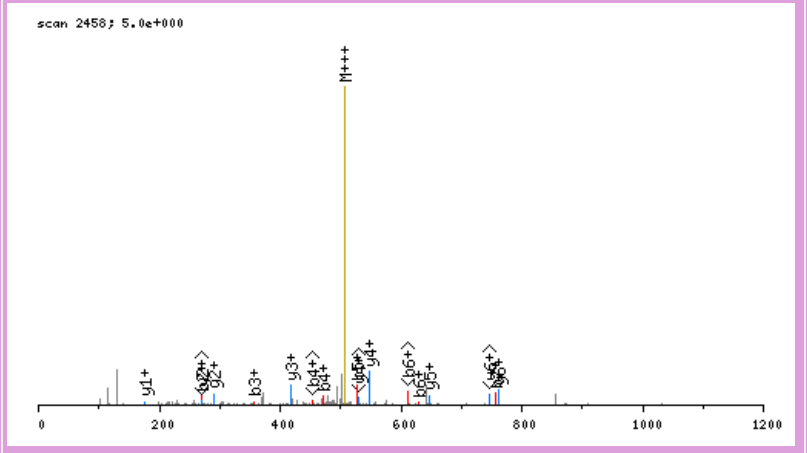


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

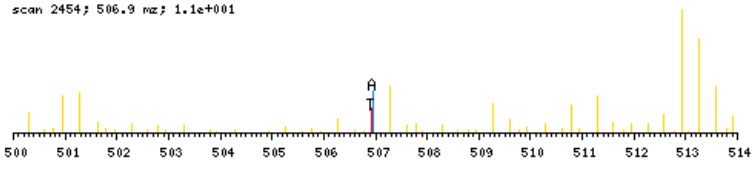
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
270.1817	2	Q	12	1508.6770	**754.8424**
398.2403	3	Q	11	1380.6184	690.8131
527.2829	4	E	10	1252.5598	626.7838
642.3099	5	D	9	1123.5172	562.2625
699.3313	6	G	8	**1008.4903**	**504.7491**
812.4154	7	I	7	951.4688	476.2383
899.4474	8	S	6	**838.3848**	**419.6963**
1046.5158	9	F	5	**751.3527**	**376.1803**
1175.5584	10	E	4	**604.2843**	302.6461
1338.6217	11	Y	3	**475.2417**	**238.1248**
1475.6807	12	H	2	**312.1784**	156.5931
	13	R	1	**175.1195**	88.0637

N-term:+29.04

LQSIGTENTEENR, MH+ 1518.7400, m/z 506.9182
L OS G13 P120811 220811-s1.02458.02458.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



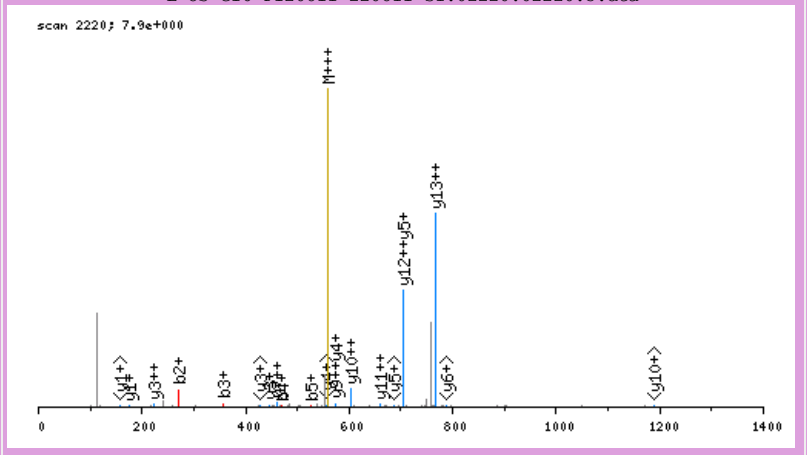
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

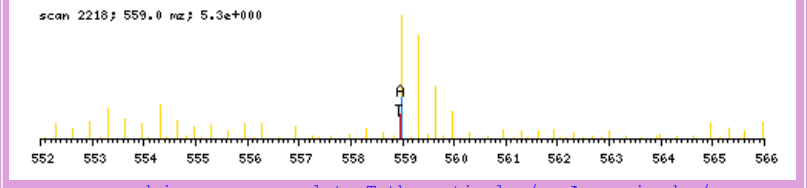
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
270.1817	2	Q	12	1377.6246	689.3162
357.2138	3	S	11	1249.5660	625.2869
470.2978	4	I	10	1162.5340	581.7709
527.3193	5	G	9	1049.4500	525.2289
628.3670	6	T	8	992.4285	496.7182
757.4096	7	E	7	891.3808	446.1943
871.4525	8	N	6	762.3382	381.6730
972.5002	9	T	5	648.2953	324.6516
1101.5428	10	E	4	547.2476	274.1277
1230.5854	11	E	3	418.2050	209.6064
1344.6283	12	N	2	289.1624	145.0851
	13	R	1	175.1195	88.0637

N-term:+29.04

LQSIGTENTEENRR, MH+ 1674.8411, m/z 558.9519
L OS G16 P120811 220811-s1.02220.02220.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



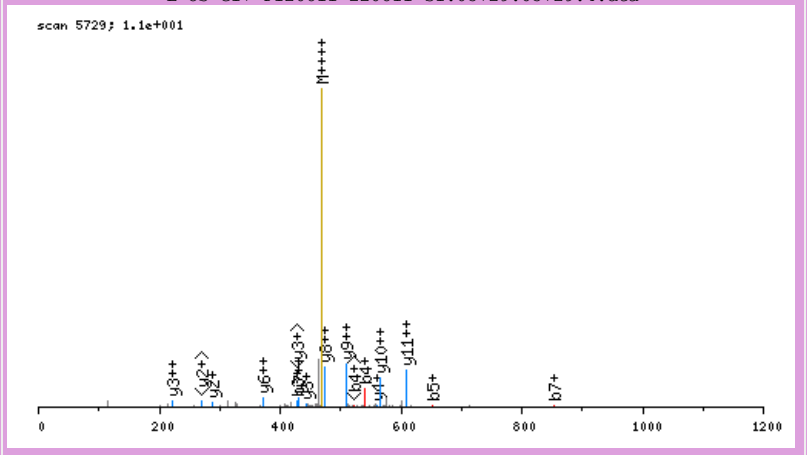
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

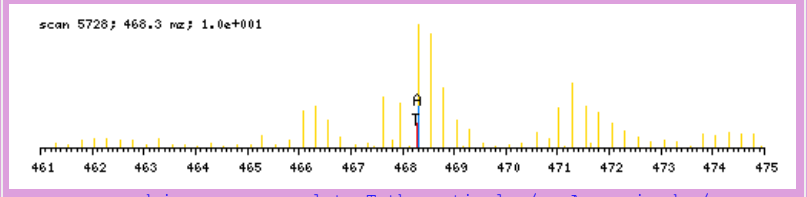
b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	14		
270.1817	2	Q	13	1533.7257	767.3668
357.2138	3	S	12	1405.6672	703.3375
470.2978	4	I	11	1318.6351	659.8215
527.3193	5	G	10	1205.5511	603.2794
628.3670	6	T	9	1148.5296	574.7687
757.4096	7	E	8	1047.4819	524.2449
871.4525	8	N	7	918.4393	459.7236
972.5002	9	T	6	804.3964	402.7021
1101.5428	10	E	5	703.3487	352.1783
1230.5854	11	E	4	574.3061	287.6570
1344.6283	12	N	3	445.2635	223.1357
1500.7294	13	R	2	331.2206	166.1142
	14	R	1	175.1195	88.0637

N-term:+29.04

LRELISNASDALDKIR, MH+ 1870.0762, m/z 468.2745
L OS G17 P120811 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

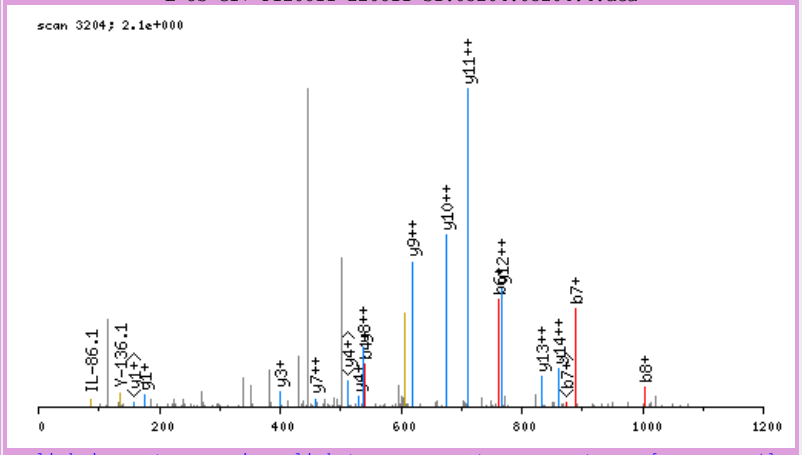
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	16		
298.2243	2	R	15	1728.9609	864.9843
427.2669	3	E	14	1572.8597	786.9338
540.3509	4	L	13	1443.8172	722.4125
653.4350	5	I	12	1330.7331	665.8705
740.4670	6	S	11	1217.6490	**609.3284**
854.5100	7	N	10	1130.6170	**565.8124**
925.5471	8	A	9	1016.5741	**508.7909**
1012.5791	9	S	8	945.5370	**473.2724**
1127.6060	10	D	7	858.5049	**429.7564**
1198.6432	11	A	6	743.4780	**372.2429**
1311.7272	12	L	5	672.4409	336.7243
1426.7542	13	D	4	**559.3568**	280.1823
1582.8805	14	K	3	**444.3299**	**222.6688**
1695.9645	15	I	2	**288.2036**	144.6057
	16	R	1	175.1195	88.0637

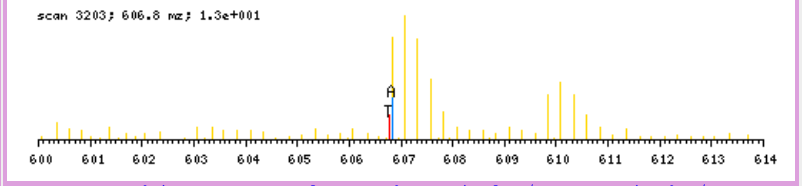
N-term:+29.04 K(14):+156.13

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

LRENYGELADCCTKQEPER, MH+ 2424.1287, m/z 606.7876
L OS G17 P120811 220811-s1.03204.03204.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



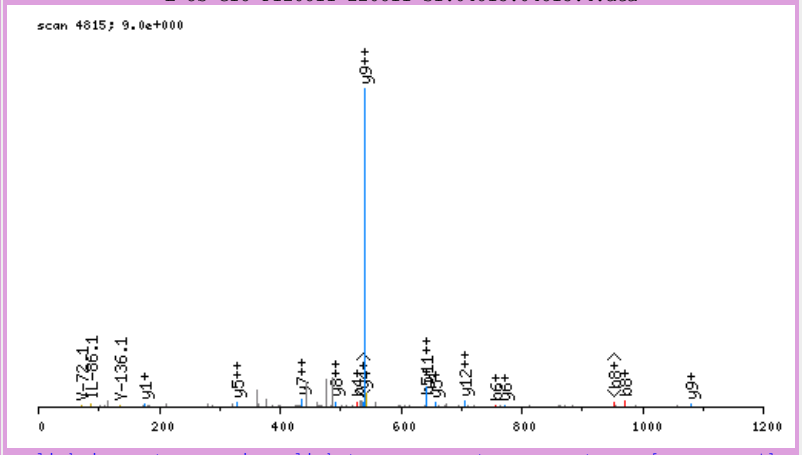
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	19		
298.2243	2	R	18	2283.0133	1142.0106
427.2669	3	E	17	2126.9122	1063.9600
541.3098	4	N	16	1997.8696	999.4387
704.3731	5	Y	15	1883.8267	942.4173
761.3946	6	G	14	1720.7634	**860.8856**
890.4372	7	E	13	1663.7419	**832.3749**
1003.5212	8	L	12	1534.6993	**767.8536**
1074.5584	9	A	11	1421.6153	**711.3115**
1189.5853	10	D	10	1350.5782	**675.7930**
1349.6159	11	C	9	1235.5512	**618.2795**
1509.6465	12	C	8	1075.5206	**538.2642**
1610.6942	13	T	7	915.4900	**458.2489**
1766.8205	14	K	6	814.4423	407.7251
1894.8791	15	Q	5	658.3160	329.6619
2023.9217	16	E	4	**530.2575**	265.6326
2120.9744	17	P	3	**401.2149**	201.1113
2250.0170	18	E	2	304.1621	152.5850
	19	R	1	**175.1195**	88.0637

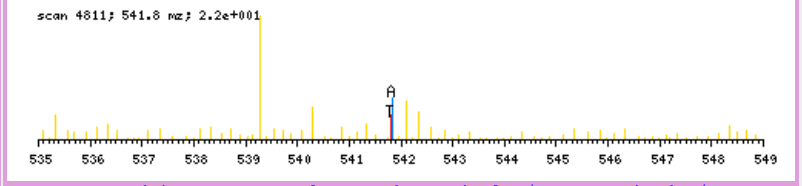
N-term:+29.04 C(11):+160.03
C(12):+160.03 K(14):+156.13

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

LRETNLESLPLVDTHSKR, MH+ 2164.2090, m/z 541.8077
L OS G18 P120811 220811-s1.04815.04815.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



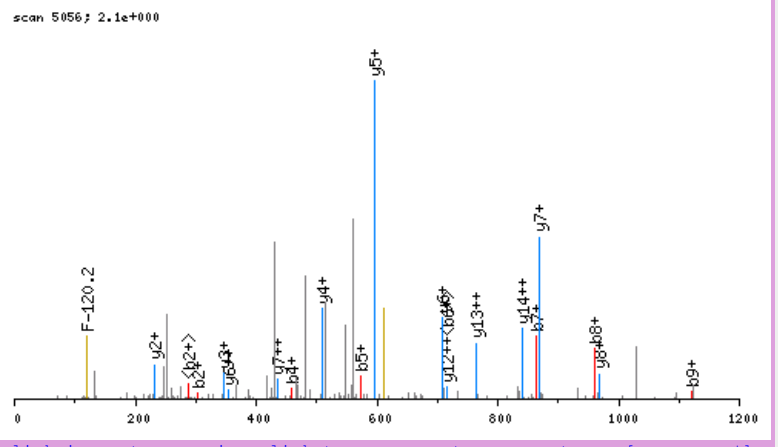
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	18		
298.2243	2	R	17	2023.0937	1012.0507
427.2669	3	E	16	1866.9926	934.0002
528.3145	4	T	15	1737.9500	869.4789
642.3575	5	N	14	1636.9023	818.9551
755.4415	6	L	13	1522.8594	761.9336
884.4841	7	E	12	1409.7753	**705.3916**
971.5162	8	S	11	1280.7327	**640.8703**
1084.6002	9	L	10	1193.7007	597.3542
1181.6530	10	P	9	**1080.6166**	**540.8122**
1294.7371	11	L	8	983.5638	**492.2858**
1393.8055	12	V	7	870.4798	**435.7438**
1508.8324	13	D	6	**771.4114**	386.2096
1609.8801	14	T	5	**656.3844**	**328.6961**
1746.9390	15	H	4	555.3367	278.1723
1833.9710	16	S	3	418.2778	209.6428
1990.0973	17	K	2	331.2458	166.1268
	18	R	1	**175.1195**	88.0637

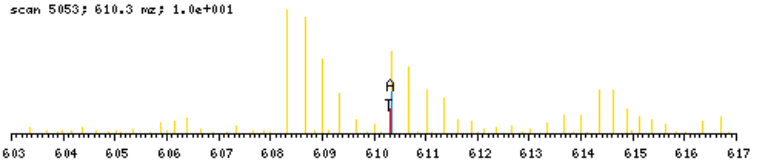
N-term:+29.04 K(17):+156.13

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

LRPGDCEVCISYLGR, MH+ 1828.9261, m/z 610.3135
H OS G16 P120811 220811-s1.05056.05056.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



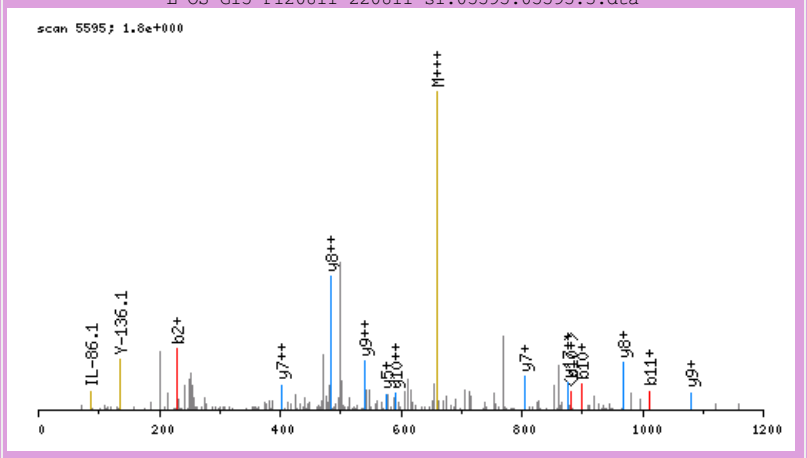
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

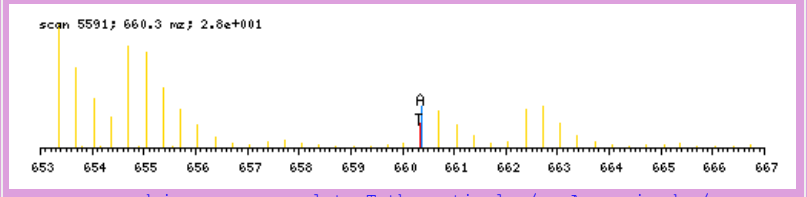
N-term:+35.07 C(6):+160.03
C(9):+160.03

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

LSGGSDGVVVLYDLENASR, MH+ 1979.0085, m/z 660.3410
L OS G15 P120811 220811-s1.05595.05595.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



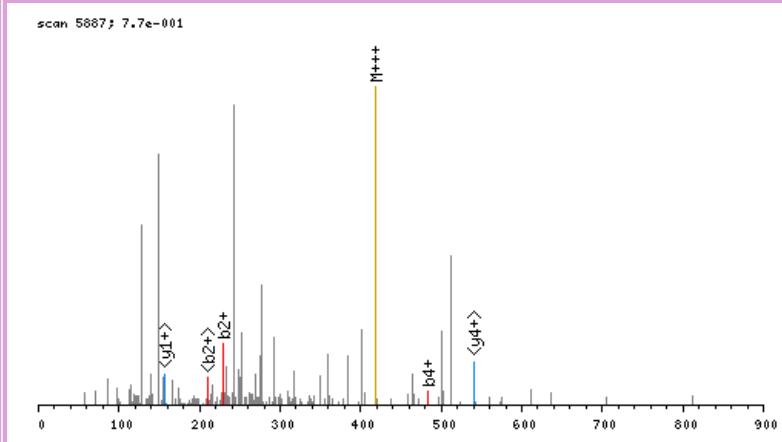
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	19		
229.1552	2	S	18	1837.8932	919.4505
286.1767	3	G	17	1750.8612	**875.9345**
343.1981	4	G	16	1693.8397	847.4238
430.2301	5	S	15	1636.8182	818.9130
545.2571	6	D	14	1549.7862	775.3970
602.2786	7	G	13	1434.7593	717.8835
701.3470	8	V	12	1377.7378	689.3728
800.4154	9	V	11	1278.6694	639.8386
899.4838	10	V	10	1179.6010	**590.3044**
1012.5679	11	L	9	**1080.5326**	**540.7702**
1175.6312	12	Y	8	**967.4485**	**484.2282**
1290.6581	13	D	7	**804.3852**	**402.6965**
1403.7422	14	L	6	689.3582	345.1830
1532.7848	15	E	5	**576.2742**	288.6410
1646.8277	16	N	4	447.2316	224.1197
1717.8648	17	A	3	333.1886	167.0982
1804.8969	18	S	2	262.1515	131.5797
	19	R	1	175.1195	88.0637

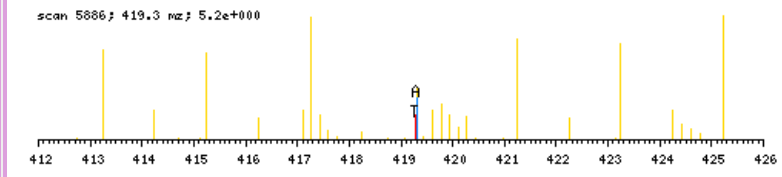
N-term:+29.04

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

LSKVTILKNR, MH+ 1255.8466, m/z 419.2871
L OS G19 P120811 220811-s1.05887.05887.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



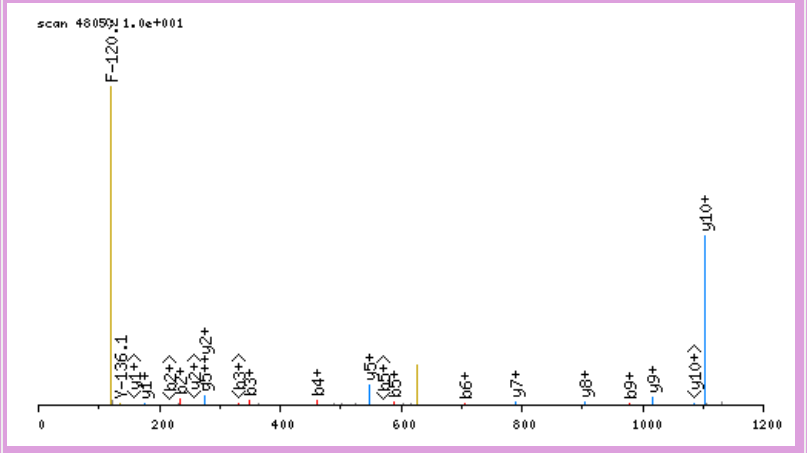
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	10		
229.1552	2	S	9	1114.7313	557.8696
385.2815	3	K	8	1027.6992	514.3535
484.3499	4	V	7	871.5729	436.2904
585.3976	5	T	6	772.5045	386.7562
698.4816	6	I	5	671.4569	336.2323
811.5657	7	L	4	558.3728	279.6903
967.6920	8	K	3	445.2887	223.1483
1081.7349	9	N	2	289.1624	145.0851
	10	R	1	175.1195	88.0637

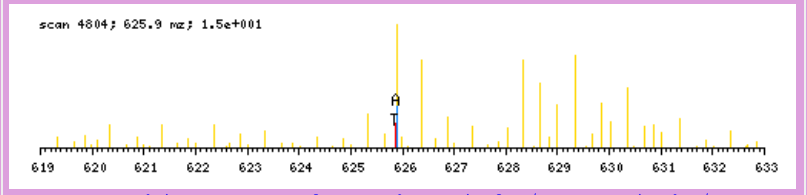
N-term:+29.04 K(3):+156.13
K(8):+156.13

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

LSLLQDSGEVR, MH+ 1250.7168, m/z 625.8620
H OS G13 P120811 220811-s1.04805.04805.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



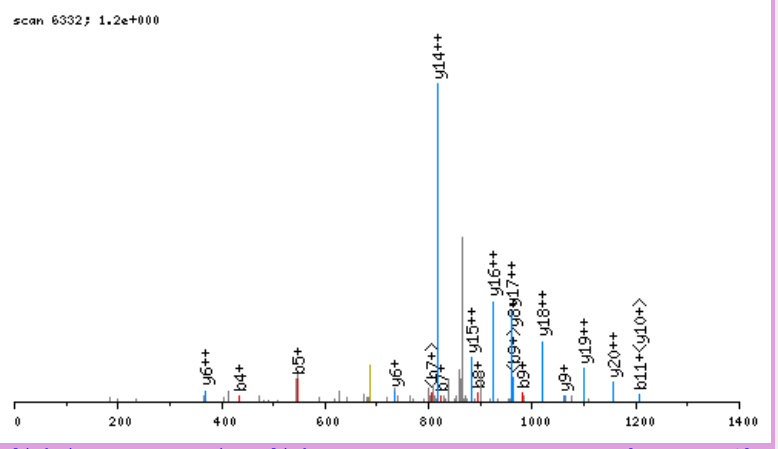
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	11		
235.1870	2	S	10	**1103.5697**	552.2888
348.2711	3	L	9	**1016.5376**	508.7727
461.3551	4	L	8	**903.4536**	452.2307
589.4137	5	Q	7	**790.3695**	395.6887
704.4406	6	D	6	662.3109	331.6594
791.4727	7	S	5	**547.2840**	**274.1459**
848.4941	8	G	4	460.2520	230.6299
977.5367	9	E	3	403.2305	202.1192
1076.6051	10	V	2	**274.1879**	137.5979
	11	R	1	**175.1195**	88.0637

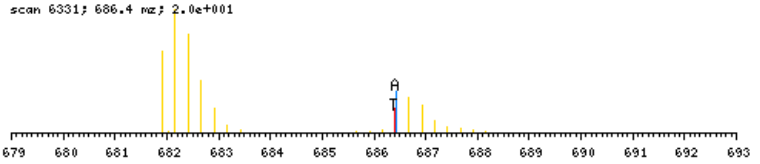
N-term:+35.07

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

LSPTNCDASEPLAEKVLDLINKGR, MH+ 2742.5560, m/z 686.3945
H OS G16 P120811 220811-s1.06332.06332.4.dta



click image to zoom in; click top corners to zoom out [precursor]



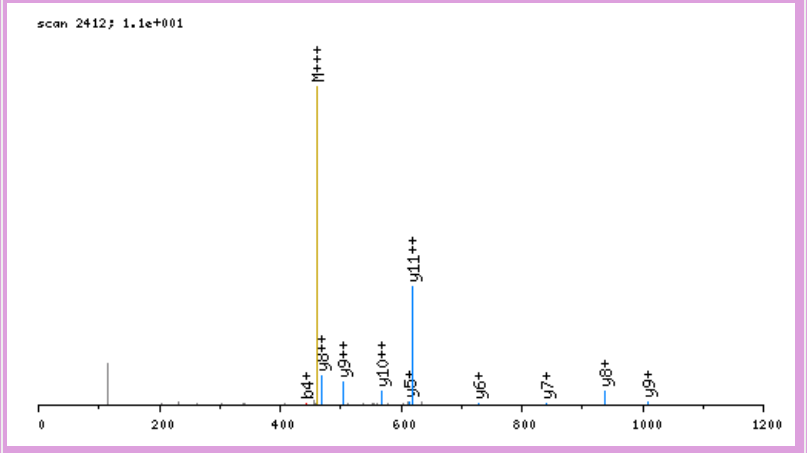
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	24		
235.1870	2	S	23	2595.4089	1298.2083
332.2398	3	P	22	2508.3768	1254.6923
433.2874	4	T	21	2411.3241	1206.1659
547.3304	5	N	20	2310.2764	**1155.6421**
707.3610	6	C	19	2196.2335	**1098.6206**
822.3879	7	D	18	2036.2029	**1018.6053**
893.4250	8	A	17	1921.1759	**961.0919**
980.4570	9	S	16	1850.1388	**925.5733**
1109.4996	10	E	15	1763.1068	**882.0573**
1206.5524	11	P	14	1634.0642	**817.5360**
1319.6365	12	L	13	1537.0114	769.0096
1390.6736	13	A	12	1423.9273	712.4676
1519.7162	14	E	11	1352.8902	676.9490
1681.8743	15	K	10	1223.8476	612.4277
1780.9427	16	V	9	**1061.6895**	531.3487
1894.0268	17	L	8	**962.6211**	481.8145
2009.0537	18	D	7	849.5371	425.2724
2122.1378	19	L	6	**734.5101**	**367.7590**
2235.2218	20	I	5	621.4261	311.2169
2349.2648	21	N	4	508.3420	254.6749
2511.4229	22	K	3	394.2991	197.6534
2568.4443	23	G	2	232.1410	116.5744
	24	R	1	175.1195	88.0637

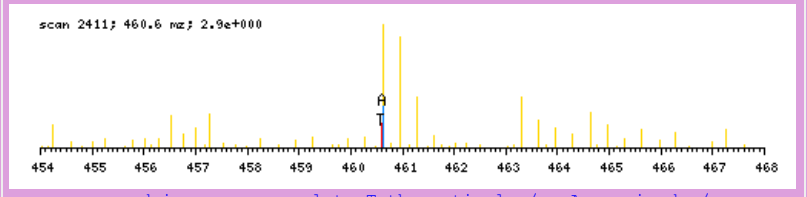
N-term:+35.07 C(6):+160.03
K(15):+162.16 K(22):+162.16

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

LTEAPLNPKANR, MH+ 1379.8011, m/z 460.6052
L OS G15 P120811 220811-s1.02412.02412.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



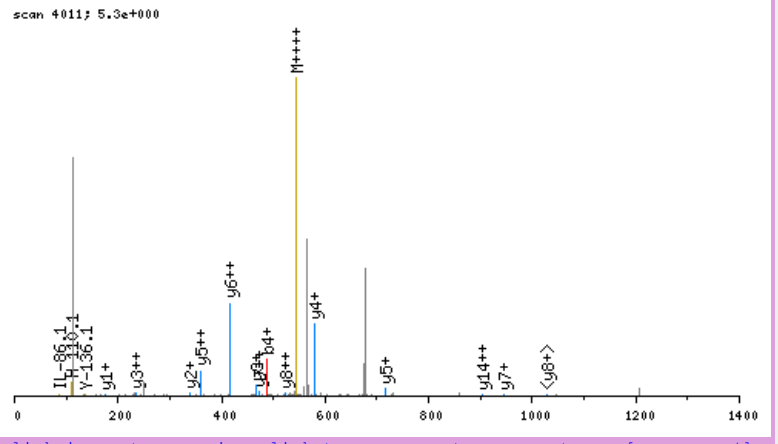
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
243.1708	2	T	11	1238.6857	**619.8468**
372.2134	3	E	10	1137.6381	**569.3229**
443.2505	4	A	9	**1008.5955**	**504.8017**
540.3033	5	P	8	**937.5584**	**469.2831**
653.3874	6	L	7	**840.5056**	420.7567
767.4303	7	N	6	**727.4215**	364.2147
864.4831	8	P	5	**613.3786**	307.1932
1020.6094	9	K	4	516.3258	258.6668
1091.6465	10	A	3	360.1995	180.6037
1205.6894	11	N	2	289.1624	145.0851
	12	R	1	175.1195	88.0637

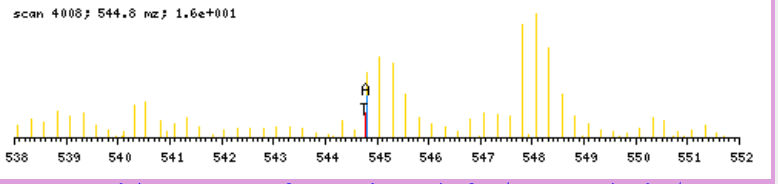
N-term:+29.04 K(9):+156.13

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

LTEDEKQTMVDLHNQYR, MH+ 2176.0709, m/z 544.7732
L OS G17 P120811 220811-s1.04011.04011.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



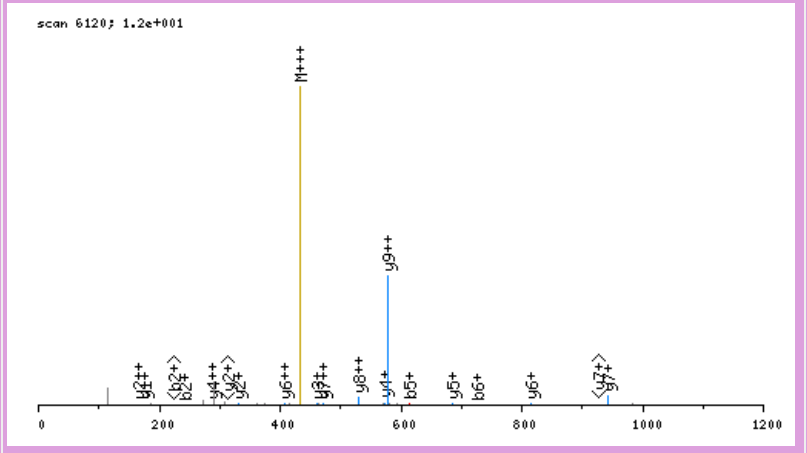
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
243.1708	2	T	16	2034.9555	1017.9817
372.2134	3	E	15	1933.9078	967.4578
487.2404	4	D	14	1804.8652	**902.9365**
616.2830	5	E	13	1689.8383	845.4231
772.4093	6	K	12	1560.7957	780.9018
900.4678	7	Q	11	1404.6694	702.8386
1001.5155	8	T	10	1276.6108	638.8093
1132.5560	9	M	9	1175.5632	588.2855
1231.6244	10	V	8	1044.5227	**522.7652**
1346.6514	11	D	7	**945.4543**	**473.2310**
1459.7354	12	L	6	830.4273	**415.7176**
1596.7943	13	H	5	**717.3432**	**359.1755**
1710.8373	14	N	4	**580.2843**	290.6461
1838.8959	15	Q	3	**466.2414**	**233.6246**
2001.9592	16	Y	2	**338.1828**	169.5953
	17	R	1	**175.1195**	88.0637

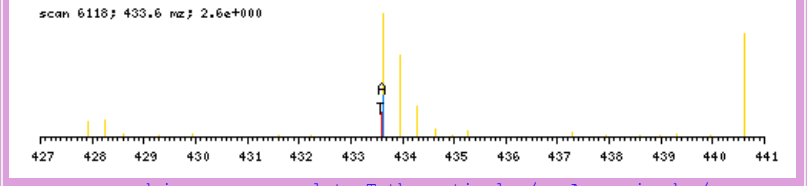
N-term:+29.04 K(6):+156.13

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

LTIEQLLEKR, MH+ 1298.8048, m/z 433.6064
L OS G16 P120811 220811-s1.06120.06120.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



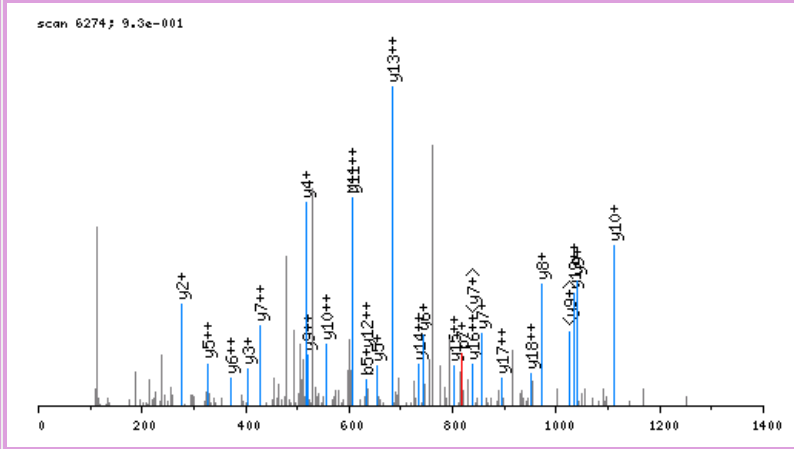
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	10		
243.1708	2	T	9	1157.6894	579.3486
356.2549	3	I	8	1056.6418	528.8248
485.2975	4	E	7	943.5577	472.2828
613.3561	5	Q	6	814.5151	407.7615
726.4401	6	L	5	686.4565	343.7322
839.5242	7	L	4	573.3725	287.1901
968.5668	8	E	3	460.2884	230.6481
1124.6931	9	K	2	331.2458	166.1268
	10	R	1	175.1195	88.0637

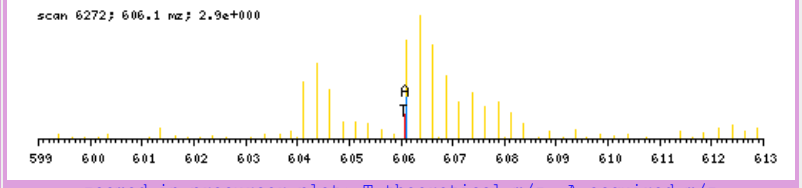
N-term:+29.04 K(9):+156.13

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

LTLYDIAHTPGVAADLSHIETR, MH+ 2421.2778, m/z 606.0749
L OS G16 P120811 220811-s1.06274.06274.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



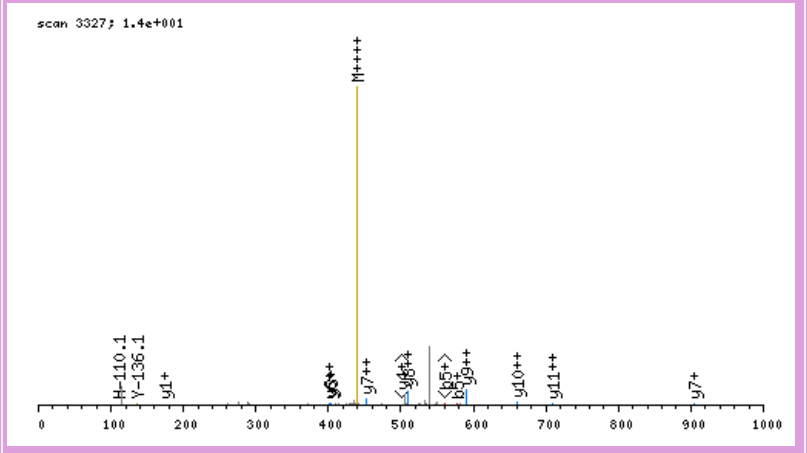
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	22		
243.1708	2	T	21	2280.1624	1140.5851
356.2549	3	L	20	2179.1148	1090.0613
519.3182	4	Y	19	2066.0307	**1033.5193**
634.3452	5	D	18	1902.9674	**951.9876**
747.4292	6	I	17	1787.9404	**894.4741**
818.4664	7	A	16	1674.8564	**837.9321**
955.5253	8	H	15	1603.8192	**802.4135**
1056.5729	9	T	14	1466.7603	**733.8841**
1153.6257	10	P	13	1365.7127	**683.3602**
1210.6472	11	G	12	1268.6599	**634.8339**
1309.7156	12	V	11	1211.6384	**606.3231**
1380.7527	13	A	10	**1112.5700**	**556.7889**
1451.7898	14	A	9	**1041.5329**	**521.2704**
1566.8168	15	D	8	**970.4958**	485.7518
1679.9008	16	L	7	**855.4688**	**428.2383**
1766.9329	17	S	6	**742.3848**	**371.6963**
1903.9918	18	H	5	**655.3527**	**328.1803**
2017.0758	19	I	4	**518.2938**	259.6508
2146.1184	20	E	3	**405.2098**	203.1088
2247.1661	21	T	2	**276.1672**	138.5875
	22	R	1	175.1195	88.0637

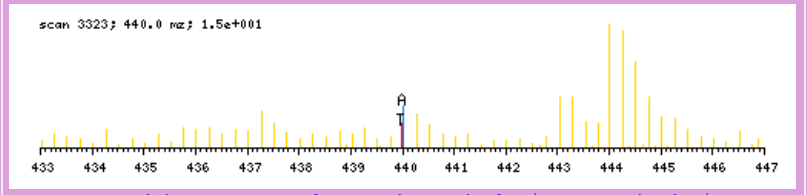
N-term:+29.04

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

LTPTHYLTKQDVER, MH+ 1756.9598, m/z 439.9954
L OS G17 P120811 220811-s1.03327.03327.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



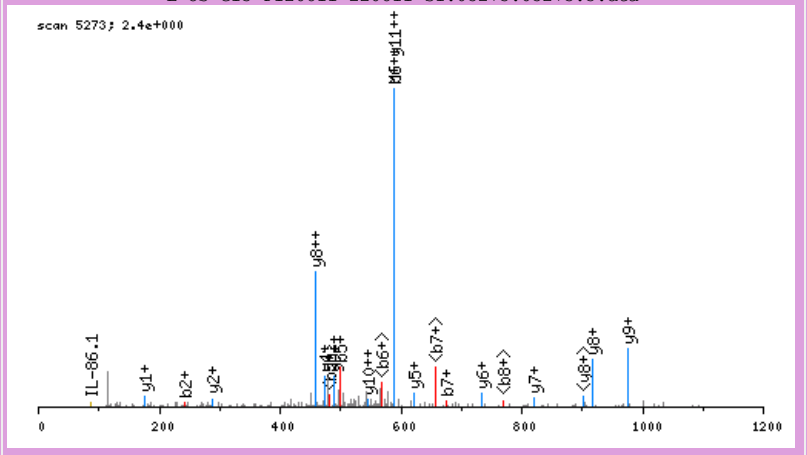
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

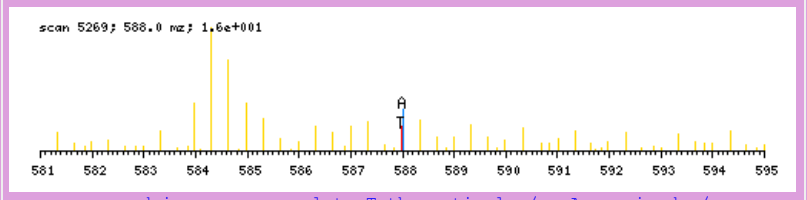
N-term:+29.04 K(9):+156.13

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

LVDGSSSLGPSNFNAIR, MH+ 1761.9135, m/z 587.9760
L OS G13 P120811 220811-s1.05273.05273.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



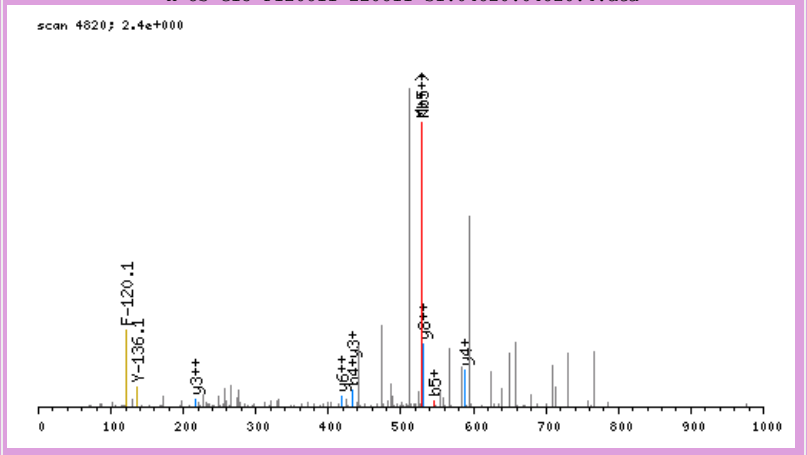
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	17		
241.1916	2	V	16	1620.7982	810.9030
356.2185	3	D	15	1521.7298	761.3688
413.2400	4	G	14	1406.7028	703.8553
500.2720	5	S	13	1349.6814	675.3446
587.3040	6	S	12	1262.6493	631.8286
674.3361	7	S	11	1175.6173	**588.3126**
787.4201	8	L	10	1088.5853	**544.7965**
844.4416	9	G	9	**975.5012**	**488.2545**
941.4944	10	P	8	**918.4797**	**459.7438**
1028.5264	11	S	7	**821.4270**	411.2174
1142.5693	12	N	6	**734.3949**	367.7014
1289.6377	13	F	5	**620.3520**	310.6799
1403.6807	14	N	4	**473.2836**	237.1457
1474.7178	15	A	3	359.2407	180.1243
1587.8018	16	I	2	**288.2036**	144.6057
	17	R	1	**175.1195**	88.0637

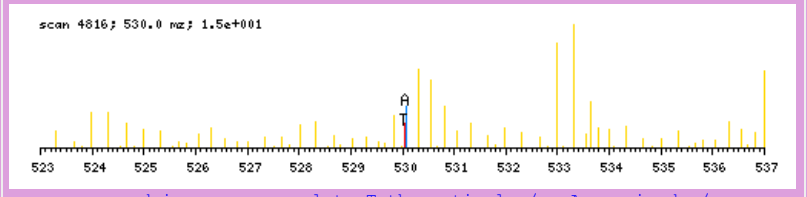
N-term:+29.04

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

LVGELLTSLPEVDERPCR, MH+ 2117.1488, m/z 530.0427
H OS G15 P120811 220811-s1.04820.04820.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



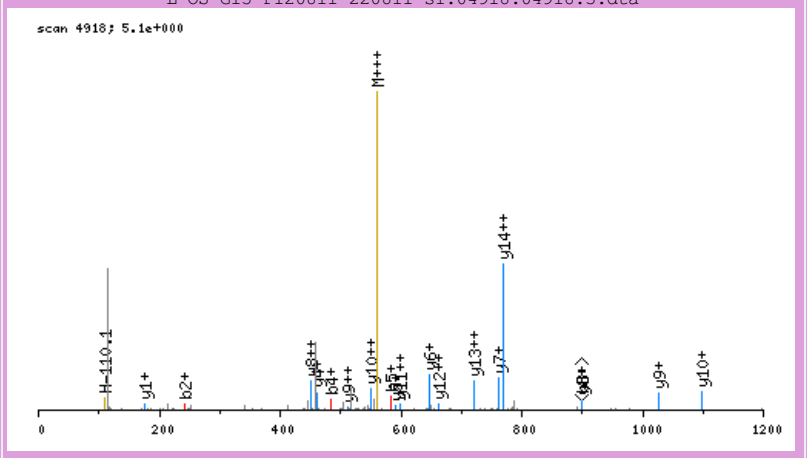
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	1	L	18		
247.2234	2	V	17	1970.0017	985.5047
304.2448	3	G	16	1870.9332	935.9705
433.2874	4	E	15	1813.9118	907.4598
546.3715	5	L	14	1684.8692	842.9385
659.4556	6	L	13	1571.7851	786.3965
760.5032	7	T	12	1458.7011	729.8544
847.5353	8	S	11	1357.6534	679.3306
960.6193	9	L	10	1270.6213	635.8146
1057.6721	10	P	9	1157.5373	579.2726
1186.7147	11	E	8	1060.4845	**530.7462**
1285.7831	12	V	7	931.4419	466.2249
1400.8100	13	D	6	832.3735	**416.6907**
1529.8526	14	E	5	717.3466	359.1772
1685.9538	15	R	4	**588.3040**	294.6559
1783.0065	16	P	3	**432.2029**	**216.6053**
1943.0371	17	C	2	335.1501	168.0790
	18	R	1	175.1195	88.0637

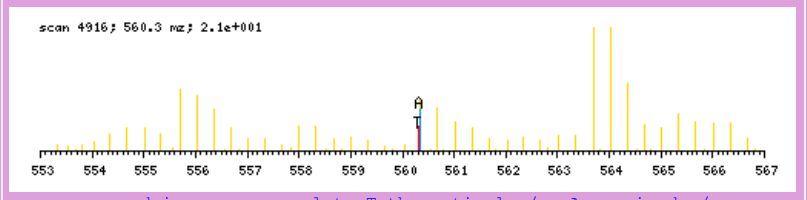
N-term:+35.07 C(17):+160.03

LVLEVAQHLGESTVR, MH+ 1678.9492, m/z 560.3212
L OS G15 P120811 220811-s1.04918.04918.3.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±]



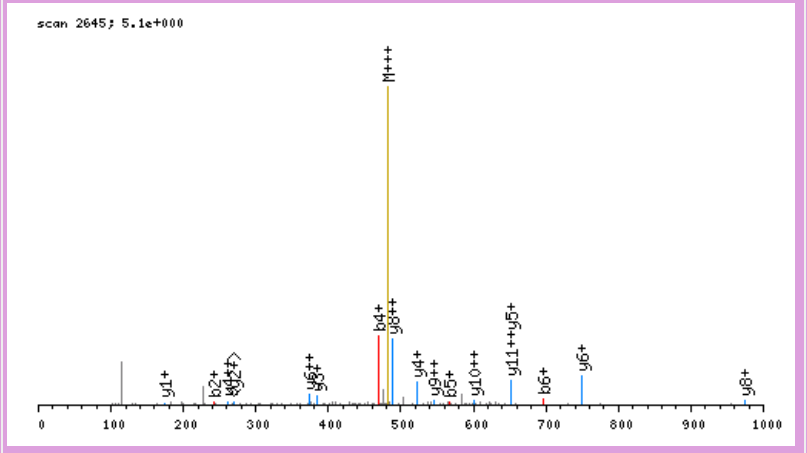
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	15		
241.1916	2	V	14	1537.8338	**769.4208**
354.2756	3	L	13	1438.7654	**719.8866**
483.3182	4	E	12	1325.6814	**663.3446**
582.3866	5	V	11	1196.6388	**598.8233**
653.4238	6	A	10	**1097.5703**	**549.2891**
781.4823	7	Q	9	**1026.5332**	**513.7705**
918.5413	8	H	8	**898.4747**	**449.7412**
1031.6253	9	L	7	**761.4157**	381.2118
1088.6468	10	G	6	**648.3317**	324.6698
1217.6894	11	E	5	**591.3102**	296.1590
1304.7214	12	S	4	**462.2676**	231.6377
1405.7691	13	T	3	375.2356	188.1217
1504.8375	14	V	2	274.1879	137.5979
	15	R	1	**175.1195**	88.0637

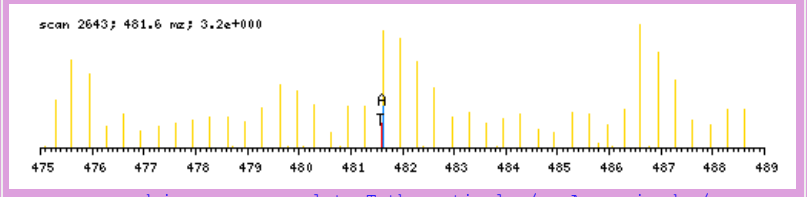
N-term:+29.04

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

LVNDPQPEHPLR, MH+ 1442.7756, m/z 481.5967
L OS G16 P120811 220811-s1.02645.02645.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



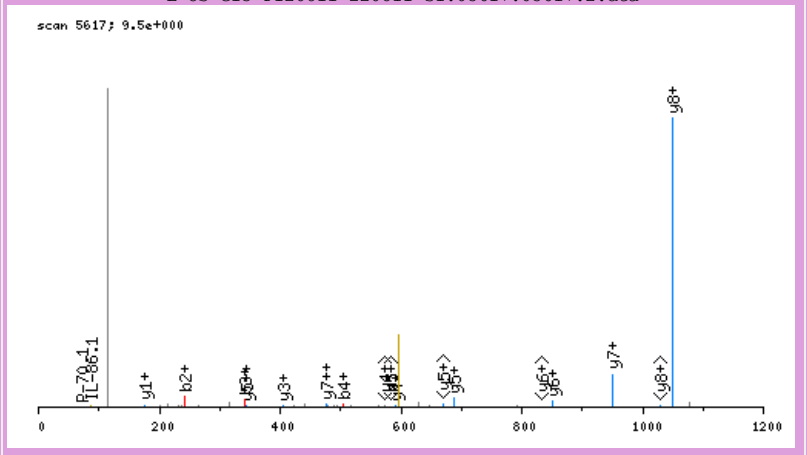
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
241.1916	2	V	11	1301.6602	**651.3340**
355.2345	3	N	10	1202.5918	**601.7998**
470.2614	4	D	9	1088.5489	**544.7784**
567.3142	5	P	8	**973.5219**	**487.2649**
695.3728	6	Q	7	876.4692	438.7385
792.4256	7	P	6	**748.4106**	**374.7092**
921.4681	8	E	5	**651.3578**	326.1828
1058.5271	9	H	4	**522.3152**	**261.6615**
1155.5798	10	P	3	**385.2563**	193.1321
1268.6639	11	L	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

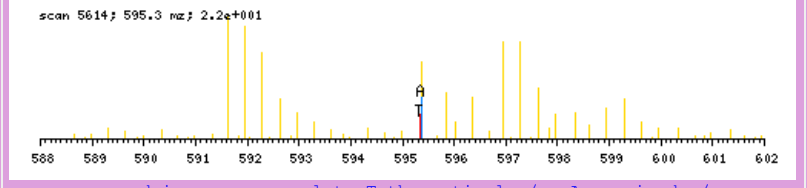
N-term:+29.04

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

LVVYPWTQR, MH+ 1189.6733, m/z 595.3403
L OS G13 P120811 220811-s1.05617.05617.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



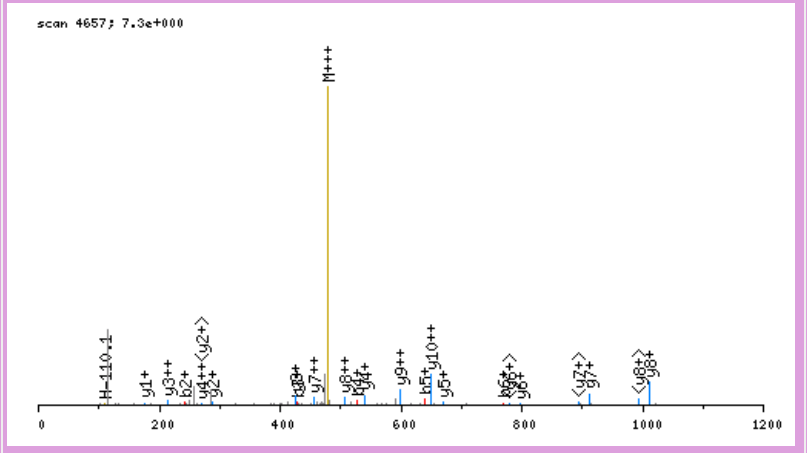
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	9		
241.1916	2	V	8	1048.5580	524.7829
340.2600	3	V	7	949.4896	475.2487
503.3233	4	Y	6	850.4212	425.7145
600.3761	5	P	5	687.3578	344.1828
786.4554	6	W	4	590.3051	295.6564
887.5031	7	T	3	404.2258	202.6168
1015.5617	8	Q	2	303.1781	152.0930
	9	R	1	175.1195	88.0637

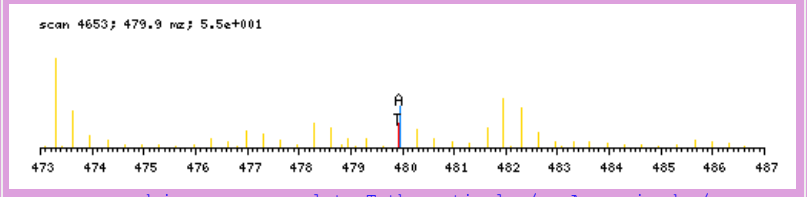
N-term:+29.04

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

LVWVNEEDHLR, MH+ 1437.7490, m/z 479.9212
L OS G16 P120811 220811-s1.04657.04657.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



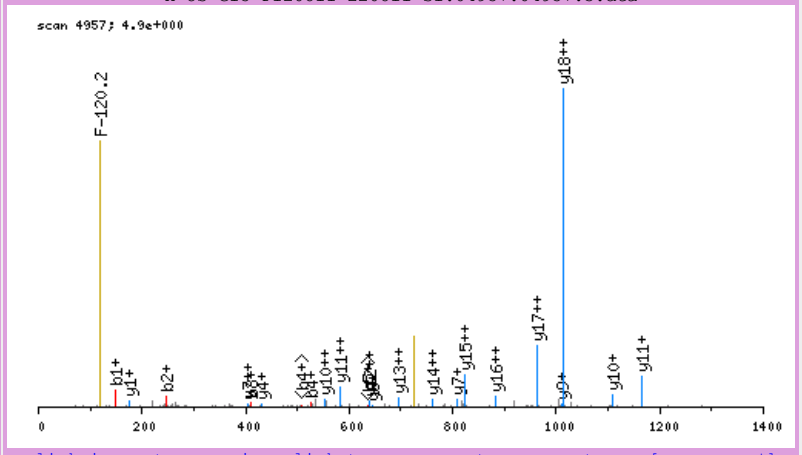
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	11		
241.1916	2	V	10	1296.6337	648.8207
427.2709	3	W	9	1197.5653	599.2865
526.3393	4	V	8	1011.4859	506.2469
640.3822	5	N	7	912.4175	456.7127
769.4248	6	E	6	798.3746	399.6912
898.4674	7	E	5	669.3320	335.1699
1013.4944	8	D	4	540.2894	270.6486
1150.5533	9	H	3	425.2625	213.1352
1263.6373	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

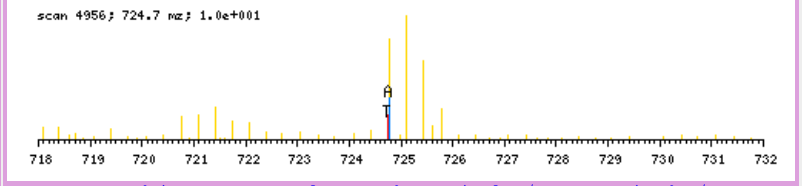
N-term:+29.04

LVYDQELLGPSDKSEAALR, MH+ 2172.2188, m/z 724.7445
H OS G15 P120811 220811-s1.04957.04957.3.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±]



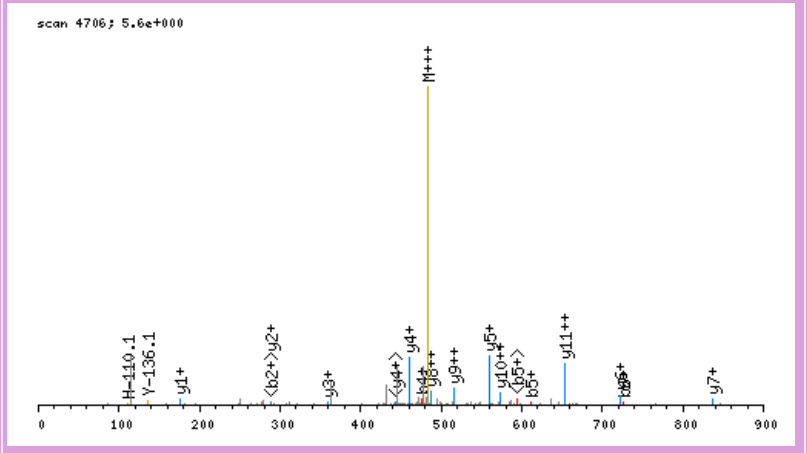
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
148.1550	**1**	**L**	**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

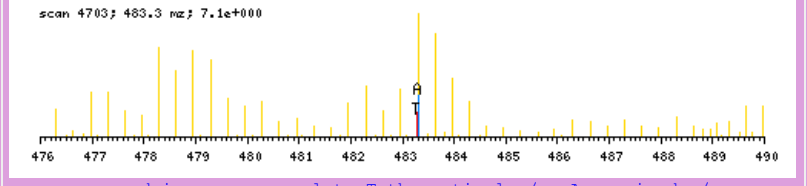
N-term:+35.07 K(13):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

LYLGHNYVTAIR, MH+ 1447.8061, m/z 483.2736
L OS G16 P120811 220811-s1.04706.04706.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



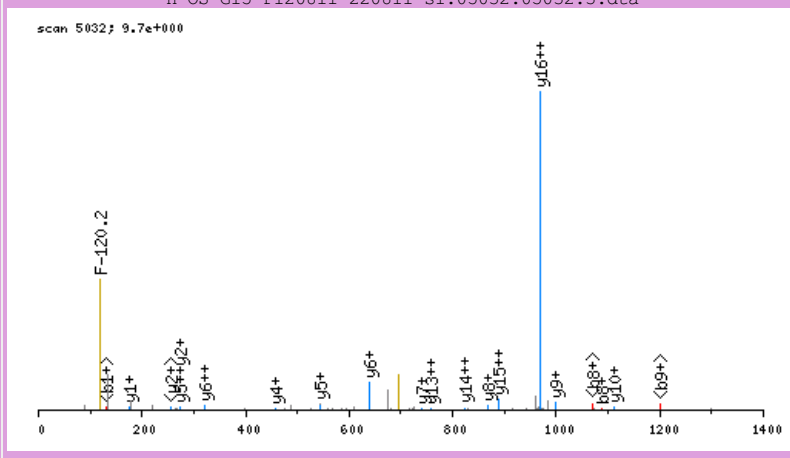
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	12		
305.1865	2	Y	11	1306.6908	**653.8493**
418.2706	3	L	10	1143.6275	**572.3176**
475.2920	4	G	9	1030.5434	**515.7756**
612.3509	5	H	8	973.5219	**487.2649**
726.3939	6	N	7	**836.4630**	418.7354
889.4572	7	Y	6	**722.4201**	361.7140
988.5256	8	V	5	**559.3568**	280.1823
1089.5733	9	T	4	**460.2884**	230.6481
1160.6104	10	A	3	**359.2407**	180.1243
1273.6945	11	I	2	**288.2036**	144.6057
	12	R	1	**175.1195**	88.0637

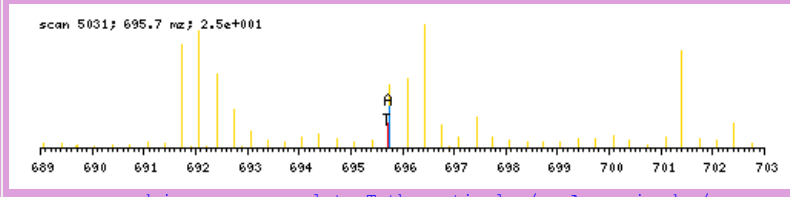
N-term:+29.04

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

LYMEKNQLEEVPSALPR, MH+ 2085.1690, m/z 695.7279
H OS G15 P120811 220811-s1.05032.05032.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



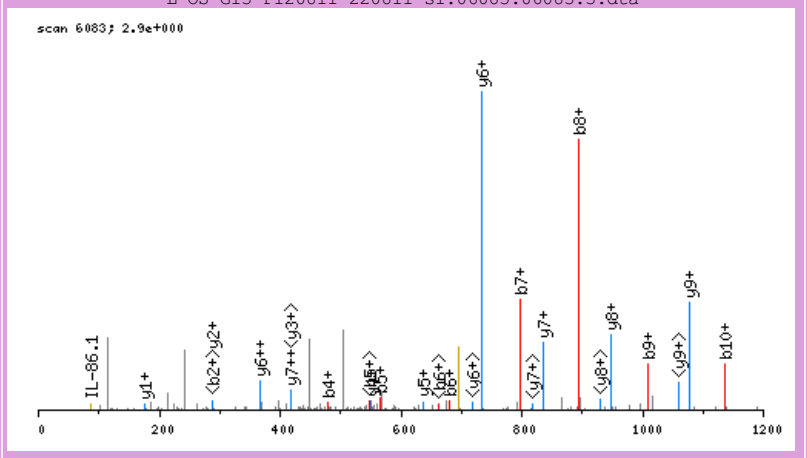
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

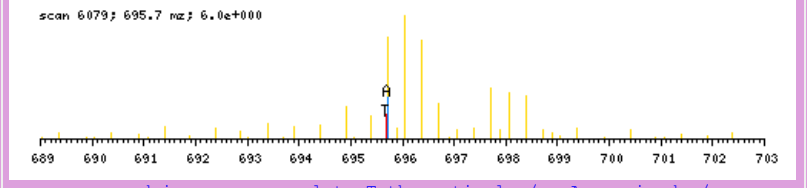
N-term:+35.07 K(5):+162.16

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+ 2085.0140, m/z 695.6762
L OS G13 P120811 220811-s1.06083.06083.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



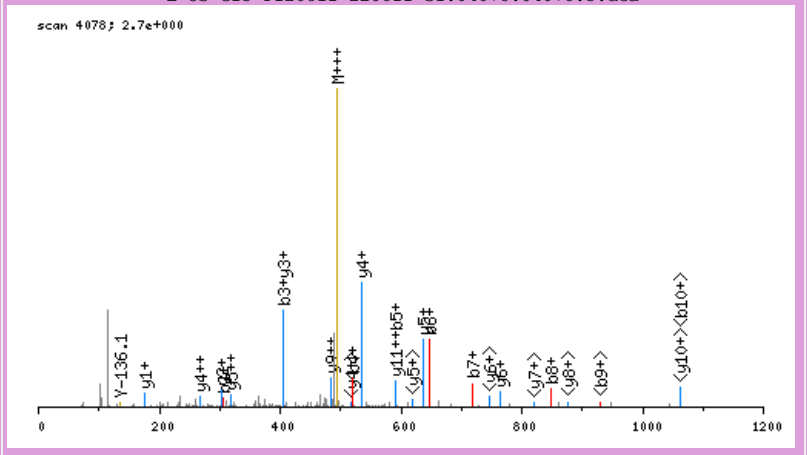
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	18		
305.1865	2	Y	17	1943.8987	972.4533
392.2185	3	S	16	1780.8353	890.9216
479.2505	4	S	15	1693.8033	847.4056
566.2826	5	S	14	1606.7713	803.8896
681.3095	6	D	13	1519.7393	760.3735
796.3365	7	D	12	1404.7123	702.8601
895.4049	8	V	11	1289.6854	645.3466
1008.4889	9	I	10	1190.6170	595.8124
1137.5315	10	E	9	**1077.5329**	539.2704
1250.6156	11	L	8	**948.4903**	474.7491
1351.6633	12	T	7	**835.4062**	**418.2070**
1448.7160	13	P	6	**734.3586**	**367.6832**
1535.7481	14	S	5	**637.3058**	319.1568
1649.7910	15	N	4	**550.2738**	275.6408
1796.8594	16	F	3	436.2308	218.6193
1910.9023	17	N	2	**289.1624**	145.0851
	18	R	1	**175.1195**	88.0637

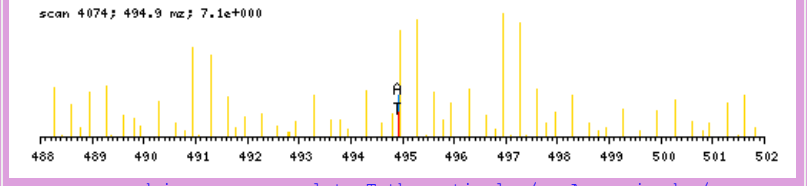
N-term:+29.04

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

LYVDAGAETMTQR, MH+ 1482.7262, m/z 494.9136
L OS G13 P120811 220811-s1.04078.04078.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



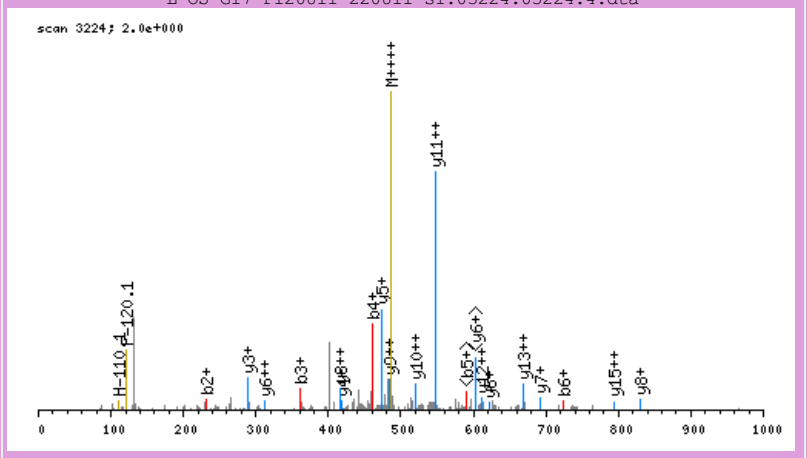
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
142.1232	1	L	13		
305.1865	2	Y	12	1341.6109	671.3094
404.2549	3	V	11	1178.5476	**589.7777**
519.2818	4	D	10	1079.4791	540.2435
590.3190	5	A	9	964.4522	**482.7300**
647.3404	6	G	8	893.4151	447.2115
718.3775	7	A	7	836.3936	418.7007
847.4201	8	E	6	**765.3565**	383.1822
948.4678	9	T	5	**636.3139**	**318.6609**
1079.5083	10	M	4	**535.2662**	**268.1370**
1180.5560	11	T	3	**404.2258**	202.6168
1308.6146	12	Q	2	**303.1781**	152.0930
	13	R	1	**175.1195**	88.0637

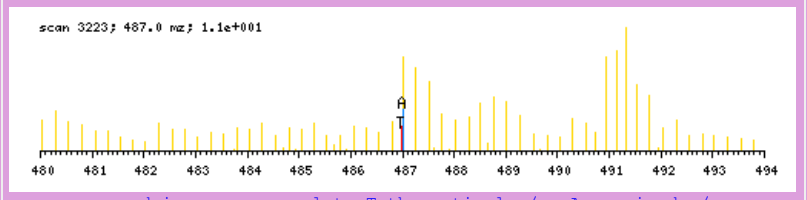
N-term:+29.04

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

MAETFDQGAHHAFGQGGR, MH+ 1944.8775, m/z 486.9748
L OS G17 P120811 220811-s1.03224.03224.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



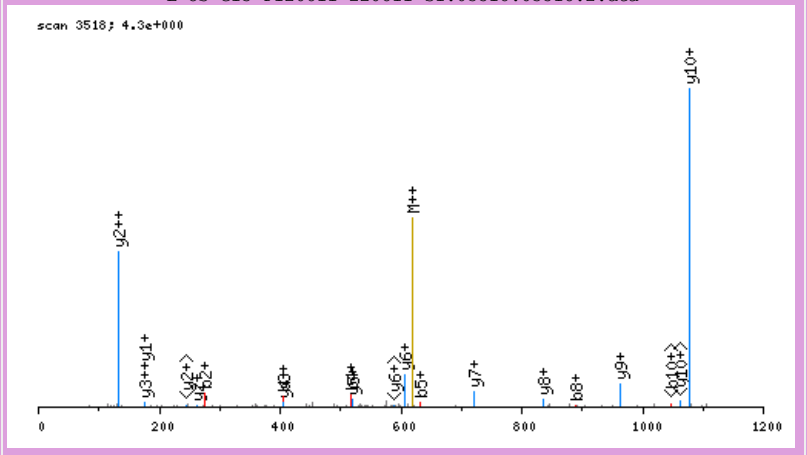
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	18		
231.1167	2	A	17	1785.8057	893.4068
360.1593	3	E	16	1714.7686	857.8882
461.2070	4	T	15	1585.7260	**793.3669**
608.2754	5	F	14	1484.6783	742.8431
723.3023	6	D	13	1337.6099	**669.3089**
851.3609	7	Q	12	1222.5830	**611.7954**
908.3824	8	G	11	1094.5244	**547.7661**
979.4195	9	A	10	1037.5029	**519.2554**
1116.4784	10	H	9	966.4658	**483.7368**
1253.5373	11	H	8	**829.4069**	**415.2074**
1324.5744	12	A	7	**692.3480**	346.6779
1471.6428	13	F	6	**621.3109**	**311.1594**
1528.6643	14	G	5	**474.2425**	237.6251
1656.7229	15	Q	4	**417.2210**	209.1144
1713.7443	16	G	3	**289.1624**	145.0851
1770.7658	17	G	2	232.1410	116.5744
	18	R	1	175.1195	88.0637

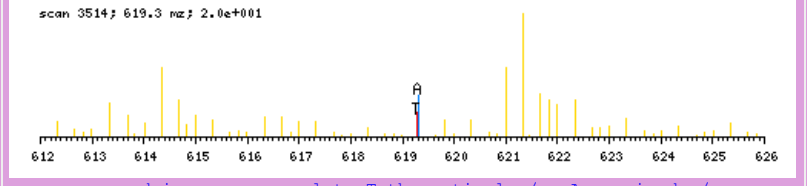
N-term:+29.04

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

MDEIDSIGSSR, MH+ 1237.5734, m/z 619.2903
L OS G13 P120811 220811-s1.03518.03518.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



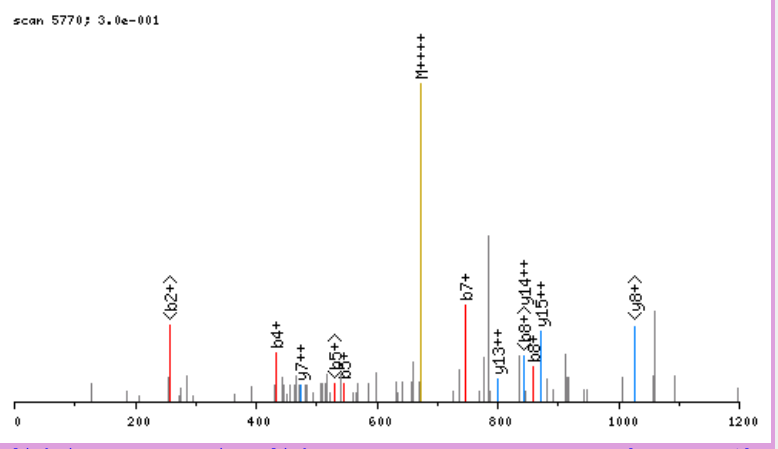
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	11		
275.1065	2	D	10	1078.5017	539.7547
404.1491	3	E	9	963.4747	482.2413
517.2332	4	I	8	834.4321	417.7200
632.2601	5	D	7	721.3481	361.1779
719.2922	6	S	6	606.3211	303.6645
832.3762	7	I	5	519.2891	260.1485
889.3977	8	G	4	406.2050	203.6064
976.4297	9	S	3	349.1836	175.0957
1063.4617	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

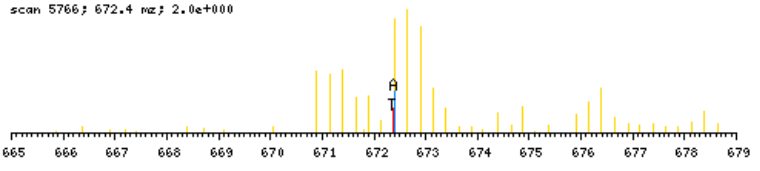
N-term:+29.04

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

MDSALEALSGSLLIGKVPEMWAKR, MH+ 2686.4676, m/z 672.3724
L OS G14 P120811 220811-s1.05770.05770.4.dta



click image to zoom in; click top corners to zoom out [precursor]



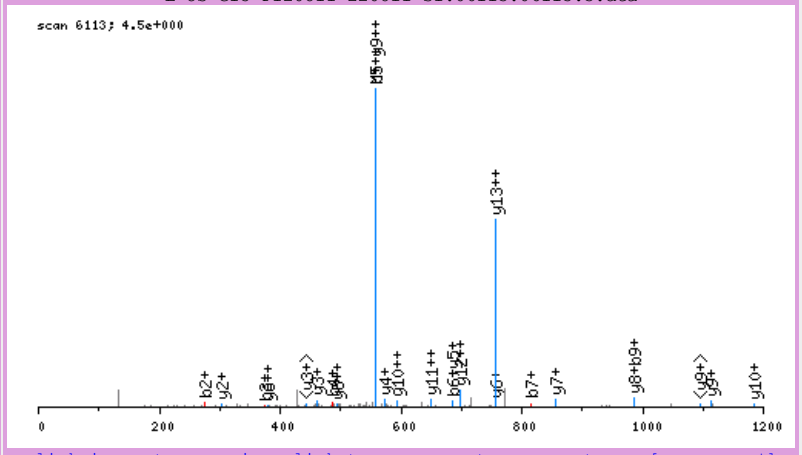
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	24		
275.1065	2	D	23	2527.3959	1264.2019
362.1386	3	S	22	2412.3689	1206.6884
433.1757	4	A	21	2325.3369	1163.1724
546.2597	5	L	20	2254.2998	1127.6538
675.3023	6	E	19	2141.2157	1071.1118
746.3394	7	A	18	2012.1731	1006.5905
859.4235	8	L	17	1941.1360	971.0719
946.4555	9	S	16	1828.0520	914.5299
1003.4770	10	G	15	1741.0199	**871.0139**
1090.5090	11	S	14	1683.9985	**842.5031**
1203.5931	12	L	13	1596.9664	**798.9871**
1316.6772	13	L	12	1483.8824	742.4451
1429.7612	14	I	11	1370.7983	685.9031
1486.7827	15	G	10	1257.7142	629.3610
1642.9090	16	K	9	1200.6928	600.8503
1741.9774	17	V	8	1044.5665	522.7872
1839.0302	18	P	7	945.4981	**473.2529**
1968.0728	19	E	6	848.4453	424.7266
2099.1132	20	M	5	719.4027	360.2053
2285.1925	21	W	4	588.3622	294.6850
2356.2297	22	A	3	402.2829	201.6454
2512.3560	23	K	2	331.2458	166.1268
	24	R	1	175.1195	88.0637

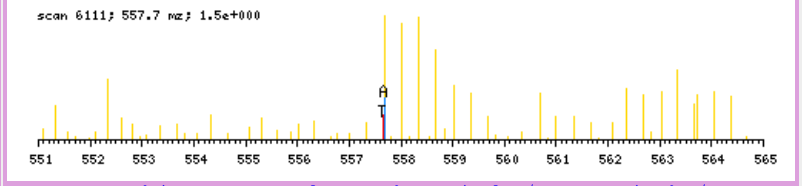
N-term:+29.04 K(16):+156.13
K(23):+156.13

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

MDVLAQEVALLKEK, MH+ 1670.9767, m/z 557.6638
L OS G15 P120811 220811-s1.06113.06113.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



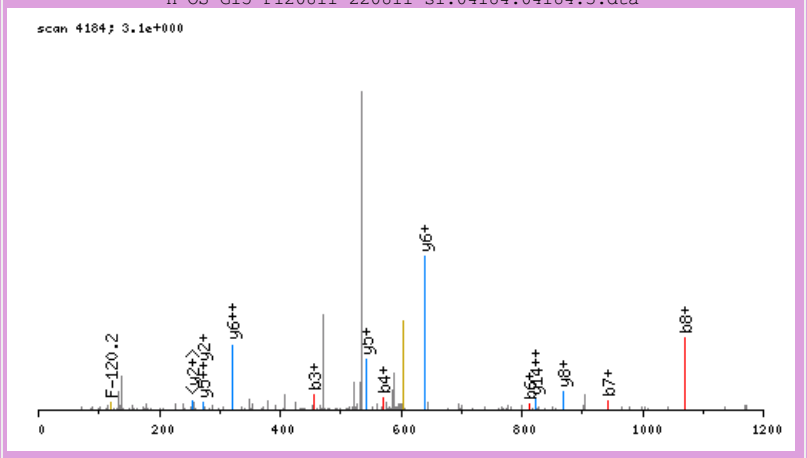
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
275.1065	2	D	13	1511.9049	756.4564
374.1749	3	V	12	1396.8780	698.9429
487.2590	4	L	11	1297.8096	649.4087
558.2961	5	A	10	1184.7255	592.8667
686.3547	6	Q	9	1113.6884	557.3481
815.3973	7	E	8	985.6298	493.3188
914.4657	8	V	7	856.5872	428.7975
985.5028	9	A	6	757.5188	379.2633
1098.5869	10	L	5	686.4817	343.7448
1211.6709	11	L	4	573.3976	287.2027
1367.7972	12	K	3	460.3136	230.6607
1496.8398	13	E	2	304.1873	152.5976
	14	K	1	175.1447	88.0763

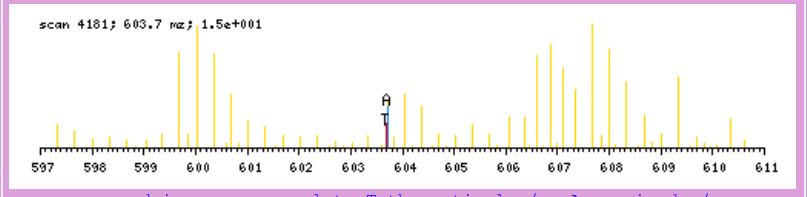
N-term:+29.04 K(12):+156.13
K(14):+156.13

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

MEKNQLEEVPSALPR, MH+ 1809.0217, m/z 603.6787
H OS G15 P120811 220811-s1.04184.04184.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



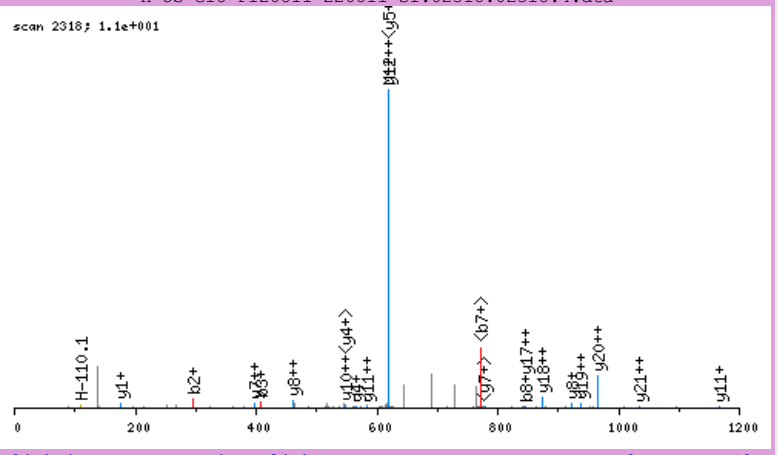
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

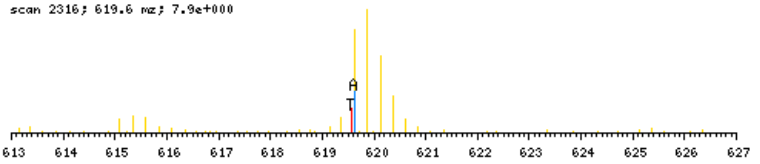
N-term:+35.07 K(3):+162.16

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

MELHGEGGSSGKAAGDETGAKVER, MH+ 2475.2998, m/z 619.5804
H_OS_G18_P120811_220811-s1.02318.02318.4.dta



click image to zoom in; click top corners to zoom out [precursor]



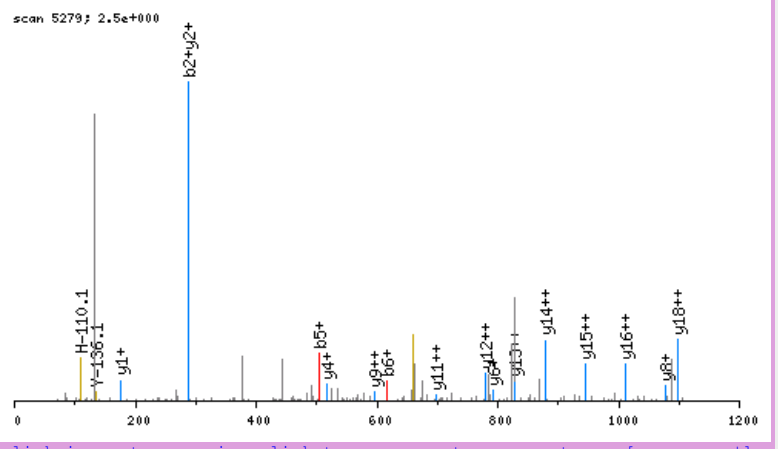
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	24		
295.1540	2	E	23	2310.1963	1155.6020
408.2380	3	L	22	2181.1537	1091.0807
545.2970	4	H	21	2068.0696	1034.5387
602.3184	5	G	20	1931.0107	966.0093
731.3610	6	E	19	1873.9892	937.4985
788.3825	7	G	18	1744.9466	872.9772
845.4039	8	G	17	1687.9252	844.4665
932.4360	9	S	16	1630.9037	815.9558
1019.4680	10	S	15	1543.8717	772.4398
1076.4895	11	G	14	1456.8397	728.9237
1238.6476	12	K	13	1399.8182	700.4130
1309.6847	13	A	12	1237.6601	619.3340
1380.7218	14	A	11	1166.6230	583.8154
1437.7432	15	G	10	1095.5859	548.2968
1552.7702	16	D	9	1038.5644	519.7861
1681.8128	17	E	8	923.5375	462.2726
1782.8605	18	T	7	794.4949	397.7513
1839.8819	19	G	6	693.4472	347.2275
1910.9190	20	A	5	636.4257	318.7168
2073.0771	21	K	4	565.3886	283.1982
2172.1456	22	V	3	403.2305	202.1192
2301.1881	23	E	2	304.1621	152.5850
	24	R	1	175.1195	88.0637

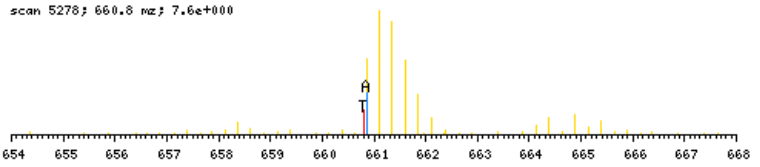
N-term:+35.07 K(12):+162.16
K(21):+162.16

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

MESAGIHETTYNSIMKCDIDIR, MH+ 2640.2471, m/z 660.8172
L OS G16 P120811 220811-s1.05279.05279.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



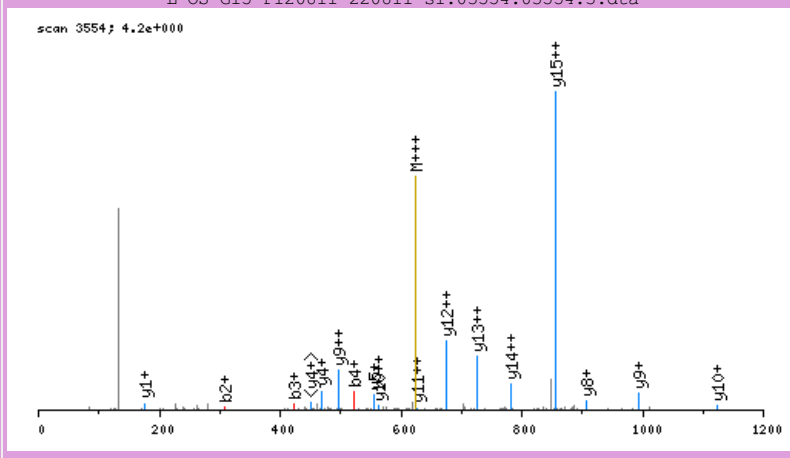
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	22		
289.1222	2	E	21	2481.1754	1241.0916
376.1542	3	S	20	2352.1328	1176.5703
447.1913	4	A	19	2265.1008	1133.0543
504.2128	5	G	18	2194.0636	**1097.5357**
617.2968	6	I	17	2137.0422	1069.0250
754.3558	7	H	16	2023.9581	**1012.4830**
883.3984	8	E	15	1886.8992	**943.9535**
984.4460	9	T	14	1757.8566	**879.4322**
1085.4937	10	T	13	1656.8089	**828.9084**
1248.5570	11	Y	12	1555.7612	**778.3845**
1362.6000	12	N	11	1392.6979	**696.8529**
1449.6320	13	S	10	1278.6550	639.8314
1562.7161	14	I	9	1191.6230	**596.3154**
1693.7565	15	M	8	**1078.5389**	539.7734
1849.8828	16	K	7	947.4984	474.2531
2009.9134	17	C	6	**791.3721**	396.1900
2124.9404	18	D	5	631.3415	316.1747
2238.0245	19	I	4	**516.3146**	258.6612
2353.0514	20	D	3	403.2305	202.1192
2466.1355	21	I	2	**288.2036**	144.6057
	22	R	1	**175.1195**	88.0637

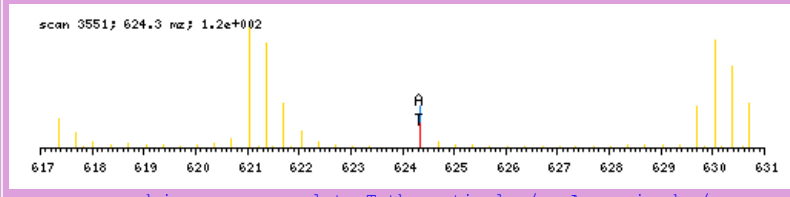
N-term:+29.04 K(16):+156.13
C(17):+160.03

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

MFDTPQESPVKSPPVR, MH+ 1870.9737, m/z 624.3294
L OS G15 P120811 220811-s1.03554.03554.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



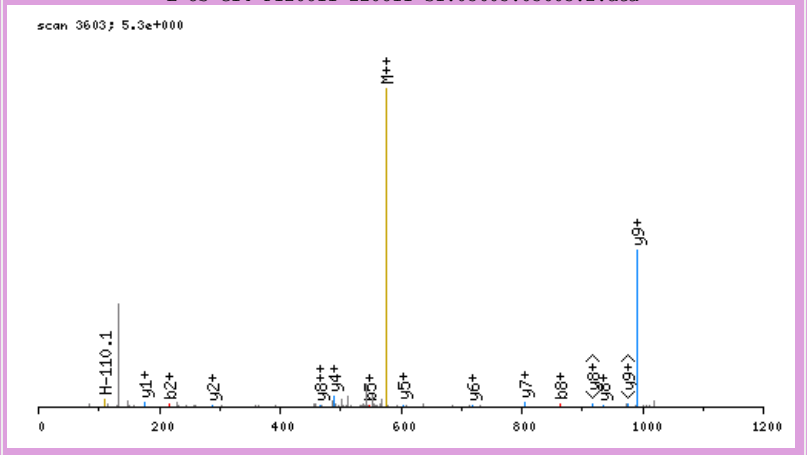
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	16		
307.1480	2	F	15	1711.9019	**856.4549**
422.1749	3	D	14	1564.8335	**782.9207**
523.2226	4	T	13	1449.8066	**725.4072**
620.2754	5	P	12	1348.7589	**674.8834**
748.3340	6	Q	11	1251.7061	**626.3570**
877.3766	7	E	10	**1123.6476**	**562.3277**
964.4086	8	S	9	**994.6050**	**497.8064**
1061.4613	9	P	8	**907.5729**	454.2904
1160.5298	10	V	7	810.5202	405.7640
1316.6561	11	K	6	711.4518	356.2298
1403.6881	12	S	5	**555.3255**	278.1666
1500.7409	13	P	4	**468.2934**	234.6506
1597.7936	14	P	3	371.2407	186.1243
1696.8620	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

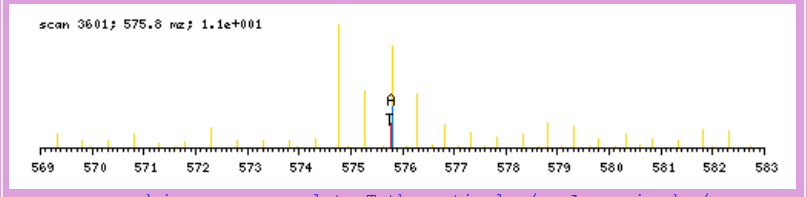
N-term:+29.04 K(11):+156.13

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

MGESDDSILR, MH+ 1150.5414, m/z 575.7743
L OS G14 P120811 220811-s1.03603.03603.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



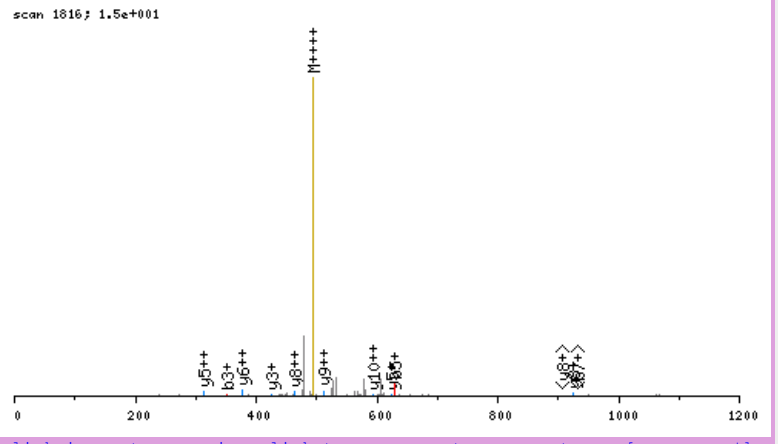
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	10		
217.1010	2	G	9	991.4696	496.2387
346.1436	3	E	8	934.4482	467.7280
433.1757	4	S	7	805.4056	403.2067
548.2026	5	D	6	718.3735	359.6907
663.2296	6	D	5	603.3466	302.1772
750.2616	7	S	4	488.3197	244.6637
863.3456	8	I	3	401.2876	201.1477
976.4297	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

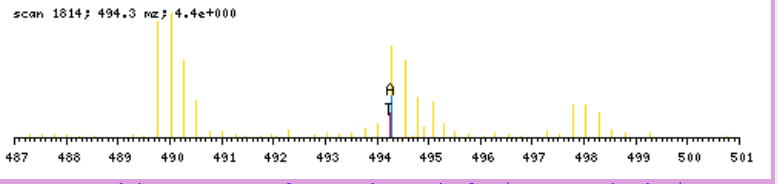
N-term:+29.04

MGQKDCYVGDEAQSKR, MH+ 1974.0273, m/z 494.2623
H OS G17 P120811 220811-s1.01816.01816.4.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±]



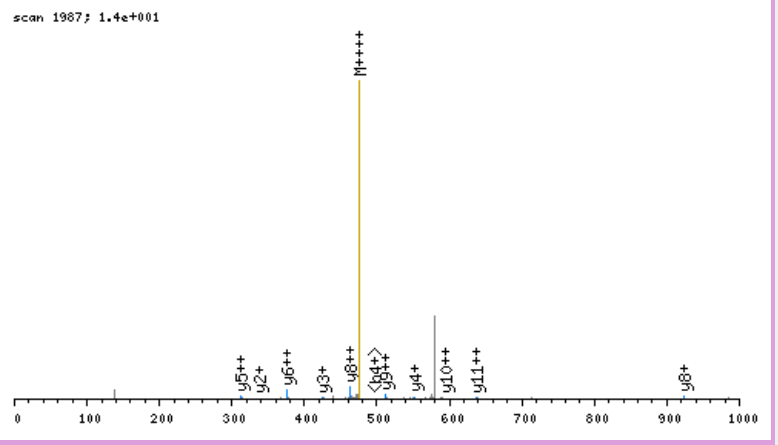
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	16		
223.1328	2	G	15	1808.9237	904.9658
351.1914	3	Q	14	1751.9023	876.4551
513.3495	4	K	13	1623.8437	812.4258
628.3765	5	D	12	1461.6856	731.3467
788.4071	6	C	11	1346.6587	673.8332
951.4704	7	Y	10	1186.6281	**593.8179**
1050.5388	8	V	9	1023.5647	**512.2863**
1107.5603	9	G	8	**924.4963**	**462.7521**
1222.5872	10	D	7	867.4749	434.2413
1351.6298	11	E	6	752.4479	**376.7279**
1422.6669	12	A	5	**623.4053**	**312.2066**
1550.7255	13	Q	4	552.3682	276.6880
1637.7575	14	S	3	**424.3096**	212.6587
1799.9156	15	K	2	337.2776	169.1427
	16	R	1	175.1195	88.0637

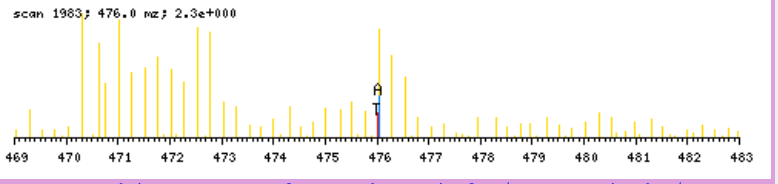
N-term:+35.07 K(4):+162.16
C(6):+160.03 K(15):+162.16

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

MGQKDSYVGDEAQSKR, MH+ 1901.0287, m/z 476.0126
H OS G17 P120811 220811-s1.01987.01987.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



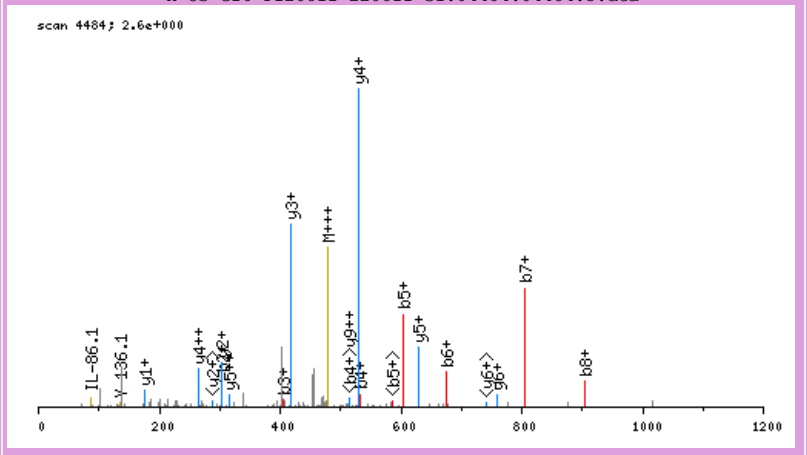
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	16		
223.1328	2	G	15	1735.9252	868.4665
351.1914	3	Q	14	1678.9037	839.9558
513.3495	4	K	13	1550.8451	775.9265
628.3765	5	D	12	1388.6870	694.8474
715.4085	6	S	11	1273.6601	**637.3340**
878.4718	7	Y	10	1186.6281	**593.8179**
977.5402	8	V	9	1023.5647	**512.2863**
1034.5617	9	G	8	**924.4963**	**462.7521**
1149.5886	10	D	7	867.4749	434.2413
1278.6312	11	E	6	752.4479	**376.7279**
1349.6684	12	A	5	623.4053	**312.2066**
1477.7269	13	Q	4	**552.3682**	276.6880
1564.7590	14	S	3	**424.3096**	212.6587
1726.9171	15	K	2	**337.2776**	169.1427
	16	R	1	175.1195	88.0637

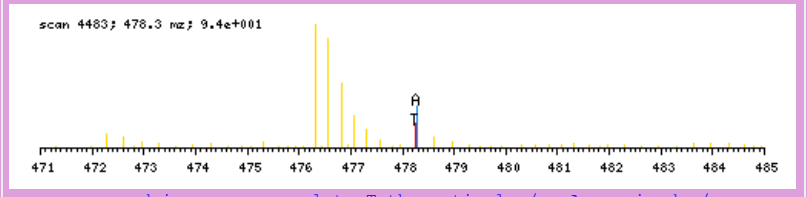
N-term:+35.07 K(4):+162.16
K(15):+162.16

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

MHTEAAEVLLER, MH+ 1432.7682, m/z 478.2609
H OS G16 P120811 220811-s1.04484.04484.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



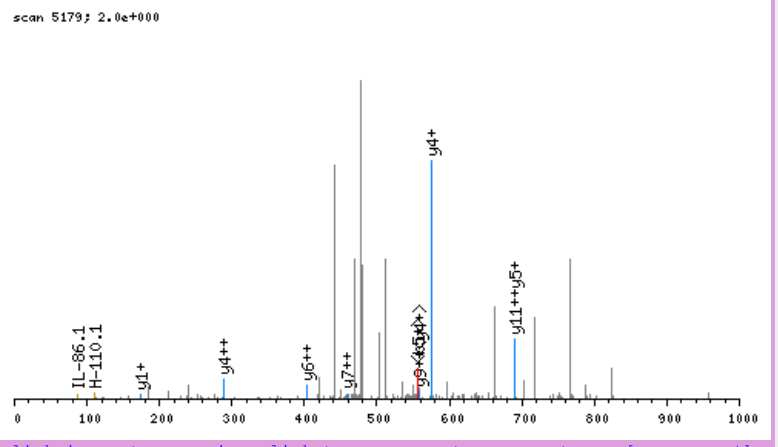
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

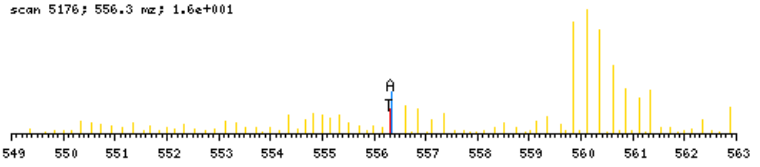
N-term:+35.07

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

MILMGVTAFISIIDLCLQR, MH+ 2222.2114, m/z 556.3083
L OS G18 P120811 220811-s1.05179.05179.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



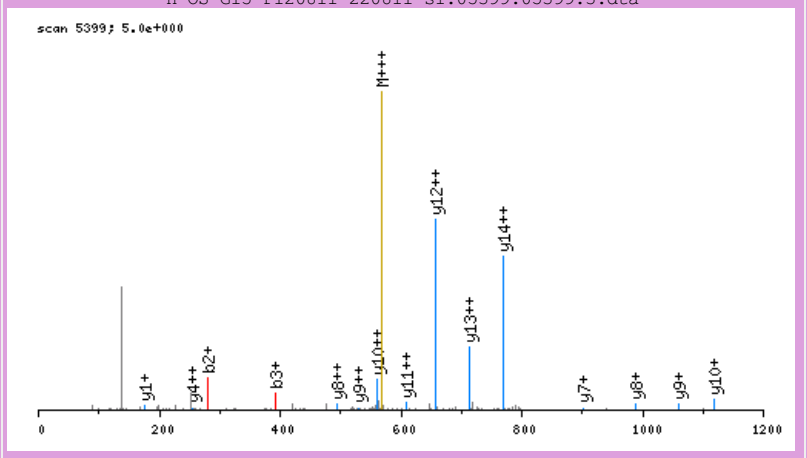
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	19		
273.1636	2	I	18	2063.1397	1032.0737
386.2477	3	L	17	1950.0556	975.5317
517.2882	4	M	16	1836.9715	918.9897
574.3097	5	G	15	1705.9311	853.4694
673.3781	6	V	14	1648.9096	824.9587
774.4258	7	T	13	1549.8412	775.4245
845.4629	8	A	12	1448.7935	724.9007
992.5313	9	F	11	1377.7564	**689.3821**
1105.6153	10	I	10	1230.6880	615.8479
1192.6474	11	S	9	1117.6039	**559.3059**
1305.7314	12	I	8	1030.5719	515.7899
1418.8155	13	I	7	917.4878	**459.2478**
1533.8424	14	D	6	804.4037	**402.7058**
1646.9265	15	L	5	**689.3768**	345.1923
1806.9571	16	C	4	**576.2927**	**288.6503**
1920.0412	17	L	3	416.2621	208.6350
2048.0998	18	Q	2	303.1781	152.0930
	19	R	1	**175.1195**	88.0637

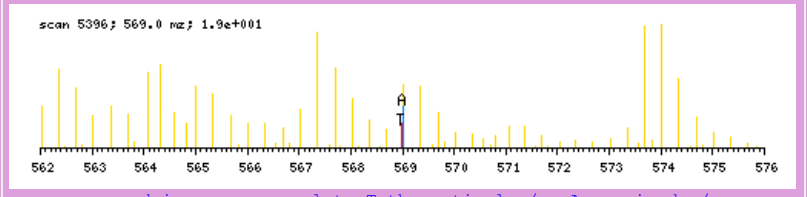
N-term:+29.04 C(16):+160.03

MILPVGASSFKEAMR, MH+ 1704.9817, m/z 568.9988
H OS G15 P120811 220811-s1.05399.05399.3.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±]



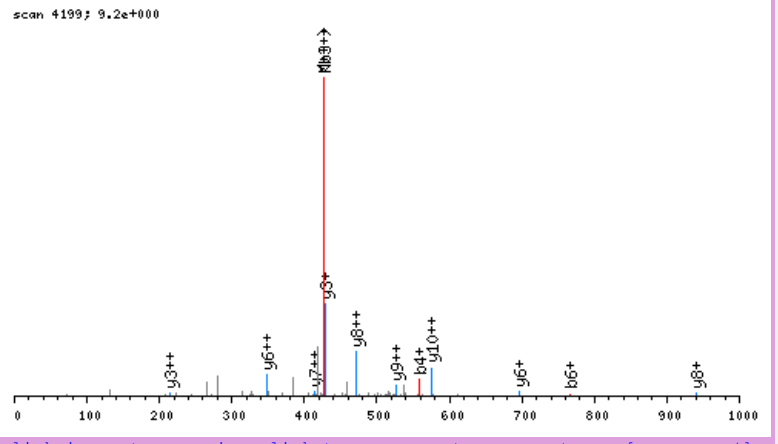
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

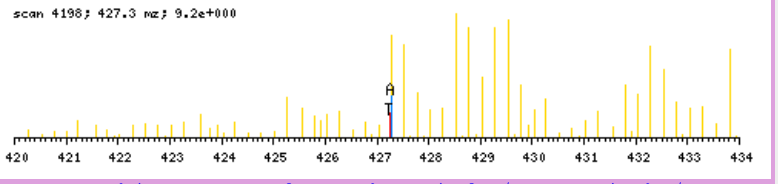
N-term:+35.07 K(11):+162.16

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

MKQLPILEPGDKPR, MH+ 1706.0039, m/z 427.2564
L OS G17 P120811 220811-s1.04199.04199.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



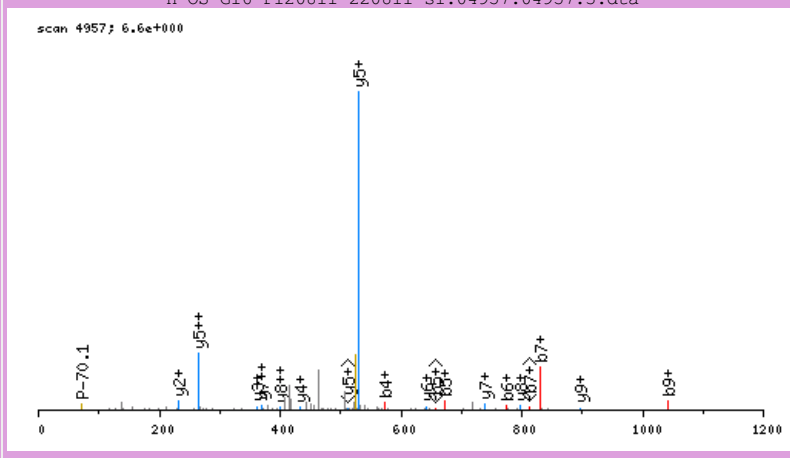
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
316.2059	2	K	13	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

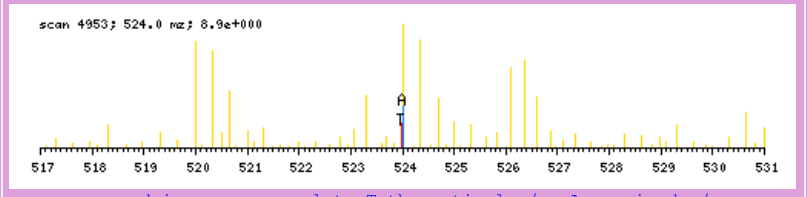
N-term:+29.04 K(2):+156.13
K(12):+156.13

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 G16 P120811 220811-s1.04957.04957.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

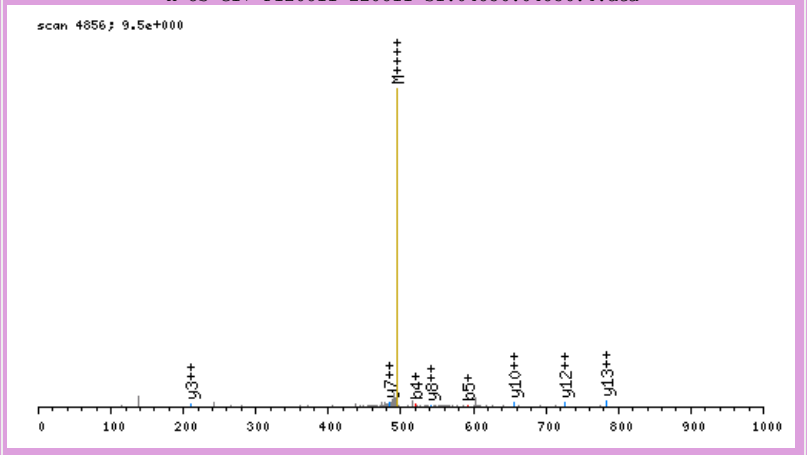


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

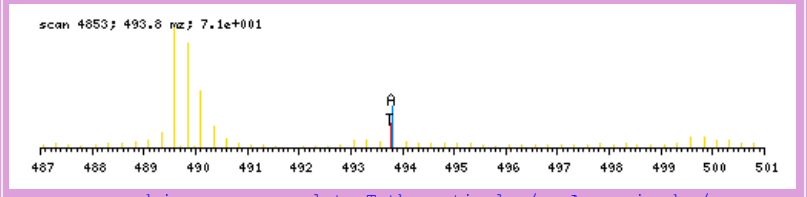
b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	14		
328.2695	2	K	13	1404.8427	702.9253
427.3379	3	V	12	1242.6846	621.8462
574.4063	4	F	11	1143.6162	572.3120
673.4747	5	V	10	996.5478	498.7778
774.5224	6	T	9	**897.4794**	449.2436
831.5439	7	G	8	**796.4317**	**398.7198**
928.5966	8	P	7	**739.4103**	**370.2090**
1041.6807	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

MLQIAATELEKEESRR, MH+ 1972.1173, m/z 493.7848
H OS G17 P120811 220811-s1.04856.04856.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

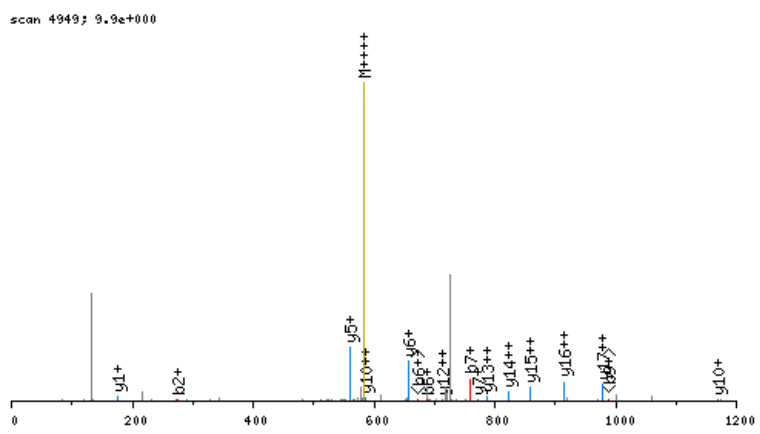
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	16		
279.1954	2	L	15	1807.0138	904.0108
407.2540	3	Q	14	1693.9297	847.4688
520.3381	4	I	13	1565.8711	**783.4395**
591.3752	5	A	12	1452.7871	**726.8975**
662.4123	6	A	11	1381.7500	691.3789
763.4600	7	T	10	1310.7129	**655.8603**
892.5026	8	E	9	1209.6652	605.3365
1005.5867	9	L	8	1080.6226	**540.8152**
1134.6292	10	E	7	967.5385	**484.2732**
1296.7873	11	K	6	838.4959	419.7519
1425.8299	12	E	5	676.3378	338.6728
1554.8725	13	E	4	547.2952	274.1515
1641.9046	14	S	3	418.2526	**209.6302**
1798.0057	15	R	2	331.2206	166.1142
	16	R	1	175.1195	88.0637

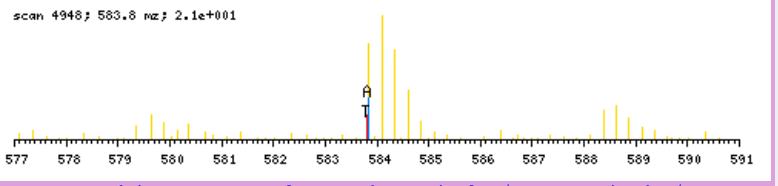
N-term:+35.07 K(11):+162.16

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+ 2332.2335, m/z 583.8138
L OS G16 P120811 220811-s1.04949.04949.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



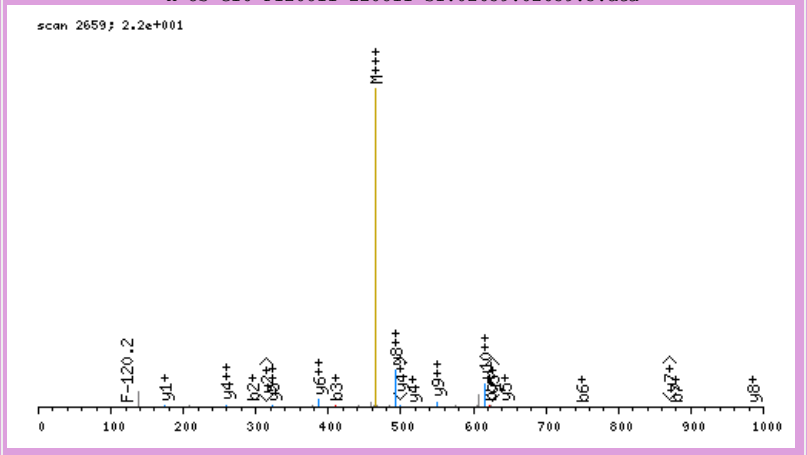
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	20		
274.1225	2	N	19	2173.1618	1087.0848
375.1702	3	T	18	2059.1189	1030.0633
504.2128	4	E	17	1958.0712	**979.5395**
617.2968	5	L	16	1829.0286	**915.0182**
688.3340	6	A	15	1715.9445	**858.4762**
759.3711	7	A	14	1644.9074	**822.9576**
906.4395	8	F	13	1573.8703	**787.4391**
1007.4872	9	T	12	1426.8019	**713.9049**
1163.6135	10	K	11	1325.7542	663.3810
1277.6564	11	N	10	**1169.6279**	**585.3179**
1405.7150	12	Q	9	1055.5850	528.2964
1561.8413	13	K	8	927.5264	464.2671
1676.8682	14	D	7	**771.4001**	386.2040
1773.9210	15	P	6	**656.3731**	328.6905
1830.9424	16	G	5	**559.3204**	280.1641
1930.0109	17	V	4	502.2989	251.6534
2043.0949	18	L	3	403.2305	202.1192
2158.1219	19	D	2	290.1464	145.5771
	20	R	1	**175.1195**	88.0637

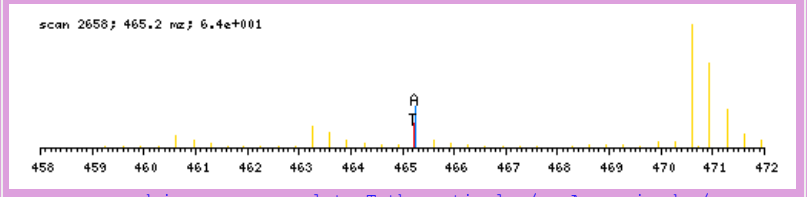
N-term:+29.04 K(10):+156.13
K(13):+156.13

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

MQDPDEEALRR, MH+ 1393.6958, m/z 465.2368
H OS G16 P120811 220811-s1.02659.02659.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



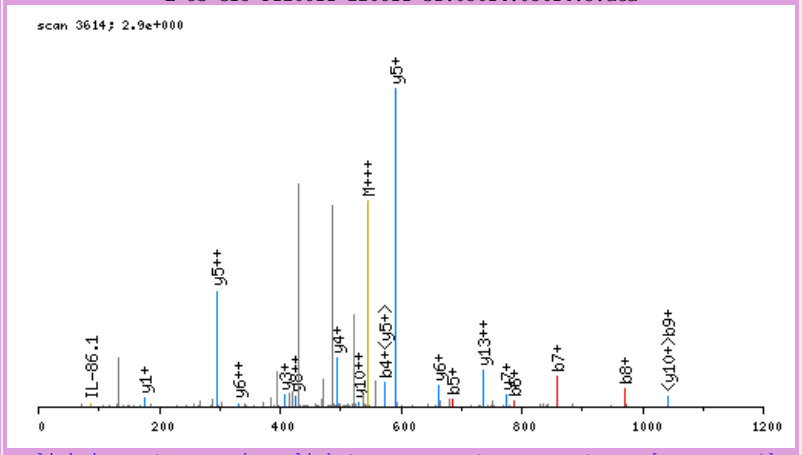
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
166.1114	1	M	11		
294.1700	2	Q	10	1228.5922	614.8000
409.1969	3	D	9	1100.5336	550.7707
506.2497	4	P	8	985.5067	493.2573
621.2766	5	D	7	888.4539	444.7309
750.3192	6	E	6	773.4270	387.2174
879.3618	7	E	5	644.3844	322.6961
950.3989	8	A	4	515.3418	258.1748
1063.4830	9	L	3	444.3047	222.6563
1219.5841	10	R	2	331.2206	166.1142
	11	R	1	175.1195	88.0637

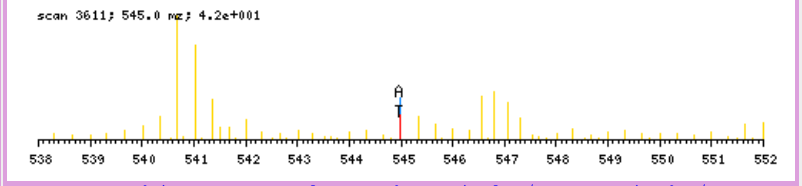
N-term:+35.07

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

MQKEITALAPSTMK, MH+ 1632.9069, m/z 544.9738
L OS G15 P120811 220811-s1.03614.03614.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



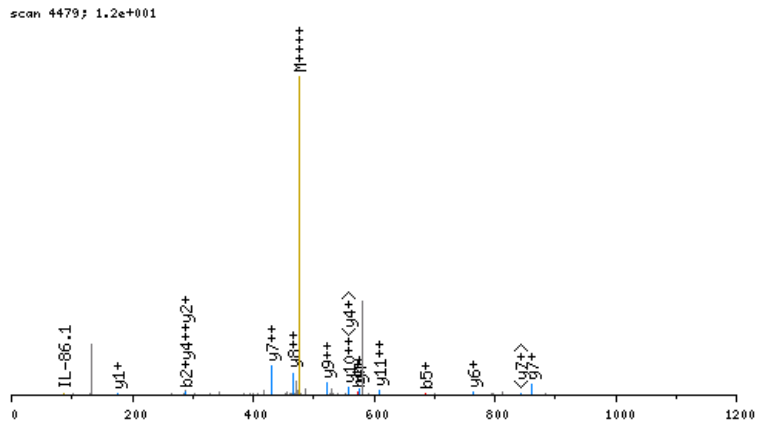
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
288.1382	2	Q	13	1473.8352	**737.4215**
444.2645	3	K	12	1345.7766	673.3922
573.3071	4	E	11	1189.6503	595.3290
686.3911	5	I	10	1060.6077	**530.8078**
787.4388	6	T	9	947.5236	474.2657
858.4759	7	A	8	846.4759	**423.7419**
971.5600	8	L	7	**775.4388**	388.2233
1042.5971	9	A	6	**662.3548**	**331.6813**
1139.6499	10	P	5	**591.3176**	**296.1627**
1226.6819	11	S	4	**494.2649**	247.6364
1327.7296	12	T	3	**407.2329**	204.1203
1458.7700	13	M	2	306.1852	153.5965
	14	K	1	**175.1447**	88.0763

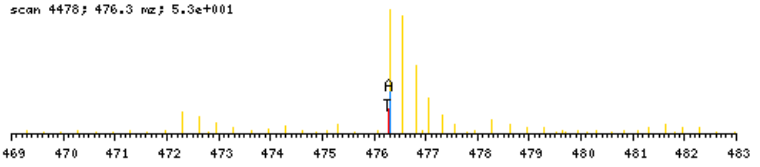
N-term:+29.04 K(3):+156.13
K(14):+156.13

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

MQKEITALAPSTMKIK, MH+ 1902.1173, m/z 476.2848
L OS G16 P120811 220811-s1.04479.04479.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



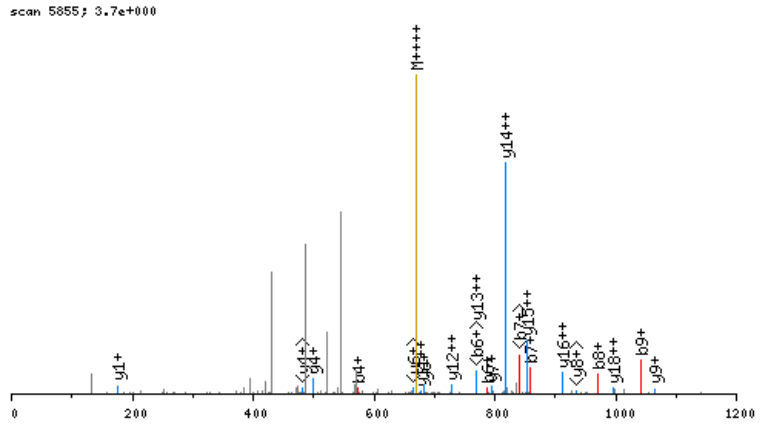
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	16		
288.1382	2	Q	15	1743.0455	872.0267
444.2645	3	K	14	1614.9869	807.9974
573.3071	4	E	13	1458.8606	729.9342
686.3911	5	I	12	1329.8180	665.4129
787.4388	6	T	11	1216.7340	**608.8709**
858.4759	7	A	10	1115.6863	**558.3471**
971.5600	8	L	9	1044.6492	**522.8285**
1042.5971	9	A	8	931.5651	**466.2865**
1139.6499	10	P	7	**860.5280**	**430.7679**
1226.6819	11	S	6	**763.4752**	382.2415
1327.7296	12	T	5	676.4432	338.7255
1458.7700	13	M	4	**575.3955**	**288.2017**
1614.8963	14	K	3	444.3551	222.6814
1727.9804	15	I	2	**288.2288**	144.6183
	16	K	1	**175.1447**	88.0763

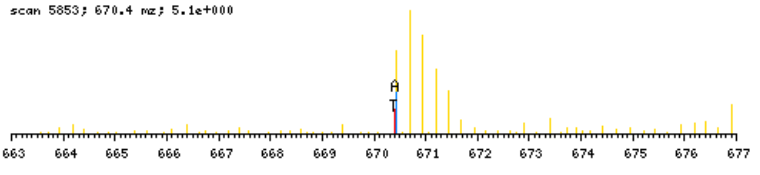
N-term:+29.04 K(3):+156.13
K(14):+156.13 K(16):+156.13

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

MQKEITALAPSTMKIKIIAPPER, MH+ 2678.5717, m/z 670.3984
L OS G17 P120811 220811-s1.05855.05855.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



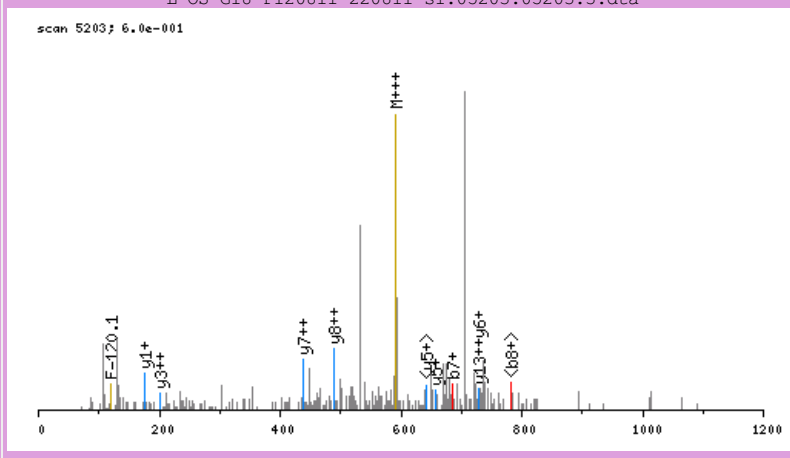
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	23		
288.1382	2	Q	22	2519.5000	1260.2539
444.2645	3	K	21	2391.4414	1196.2246
573.3071	4	E	20	2235.3151	1118.1615
686.3911	5	I	19	2106.2725	1053.6402
787.4388	6	T	18	1993.1885	**997.0981**
858.4759	7	A	17	1892.1408	946.5743
971.5600	8	L	16	1821.1037	**911.0557**
1042.5971	9	A	15	1708.0196	**854.5137**
1139.6499	10	P	14	1636.9825	**818.9952**
1226.6819	11	S	13	1539.9297	**770.4688**
1327.7296	12	T	12	1452.8977	**726.9528**
1458.7700	13	M	11	1351.8500	**676.4289**
1614.8963	14	K	10	1220.8095	610.9087
1727.9804	15	I	9	**1064.6832**	532.8455
1884.1067	16	K	8	951.5992	476.3035
1997.1908	17	I	7	**795.4729**	398.2403
2110.2748	18	I	6	**682.3888**	341.6983
2181.3120	19	A	5	569.3047	285.1563
2278.3647	20	P	4	**498.2676**	249.6377
2375.4175	21	P	3	401.2149	201.1113
2504.4601	22	E	2	304.1621	152.5850
	23	R	1	**175.1195**	88.0637

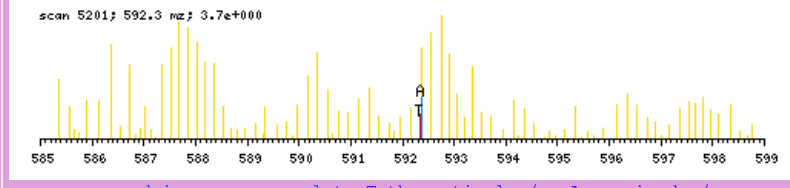
N-term:+29.04 K(3):+156.13
K(14):+156.13 K(16):+156.13

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

MSANALAIVFAPCILR, MH+ 1774.9711, m/z 592.3286
L OS G18 P120811 220811-s1.05203.05203.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



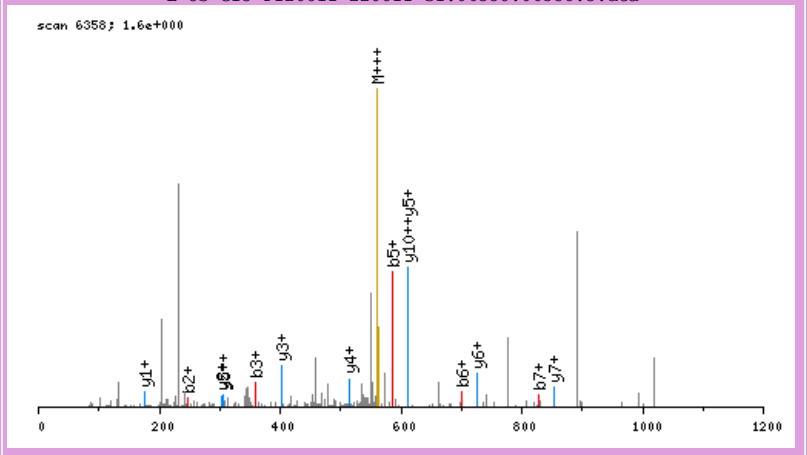
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	16		
247.1116	2	S	15	1615.8994	808.4536
318.1487	3	A	14	1528.8673	764.9376
432.1917	4	N	13	1457.8302	**729.4190**
503.2288	5	A	12	1343.7873	672.3976
616.3128	6	L	11	1272.7502	636.8790
687.3499	7	A	10	1159.6661	580.3370
800.4340	8	I	9	1088.6290	544.8184
899.5024	9	V	8	975.5449	**488.2764**
1046.5708	10	F	7	876.4765	**438.7422**
1117.6080	11	A	6	**729.4081**	365.2080
1214.6607	12	P	5	**658.3710**	329.6894
1374.6913	13	C	4	561.3182	281.1630
1487.7754	14	I	3	401.2876	**201.1477**
1600.8594	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

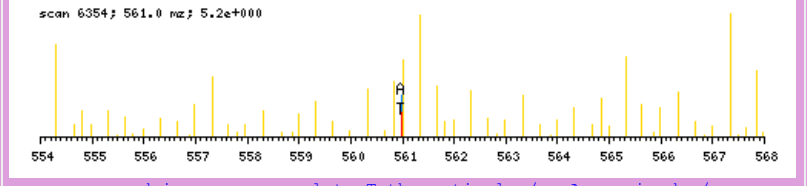
N-term:+29.04 C(13):+160.03

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

MSLPELQQNPLVQR, MH+ 1680.9107, m/z 560.9751
L OS G13 P120811 220811-s1.06358.06358.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



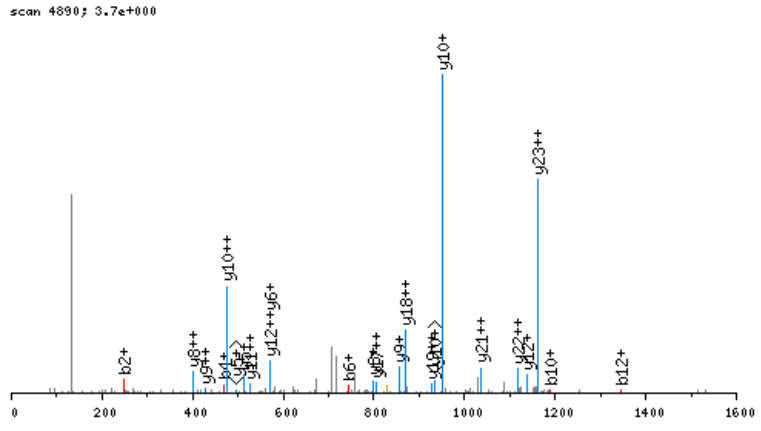
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	14		
247.1116	2	S	13	1521.8389	761.4234
360.1957	3	L	12	1434.8069	717.9074
457.2484	4	P	11	1321.7228	661.3653
586.2910	5	E	10	1224.6701	**612.8389**
699.3751	6	L	9	1095.6275	548.3176
827.4337	7	Q	8	982.5434	491.7756
955.4923	8	Q	7	**854.4848**	427.7463
1069.5352	9	N	6	**726.4262**	363.7170
1166.5879	10	P	5	**612.3833**	**306.6956**
1279.6720	11	L	4	**515.3306**	258.1692
1378.7404	12	V	3	**402.2465**	201.6272
1506.7990	13	Q	2	**303.1781**	152.0930
	14	R	1	**175.1195**	88.0637

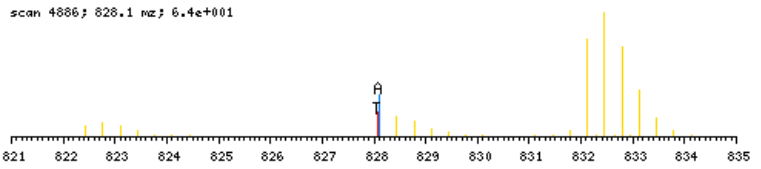
N-term:+29.04

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

MSYGYDEKSAGVSVPGPMGPSGPR, MH+ 2482.1747, m/z 828.0631
L OS G14 P120811 220811-s1.04890.04890.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



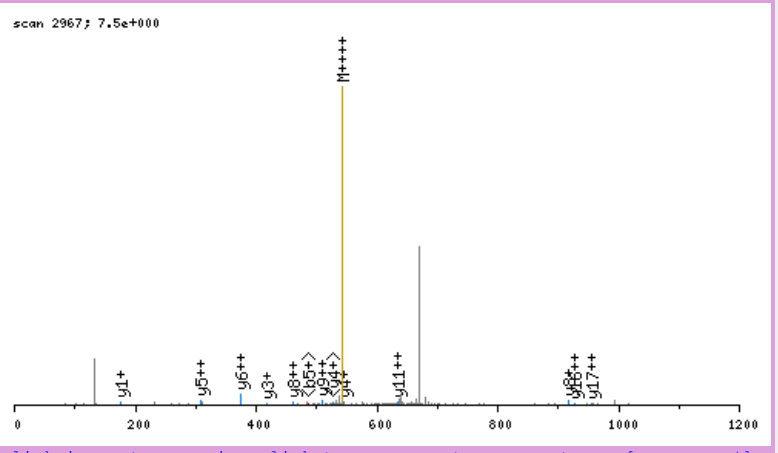
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

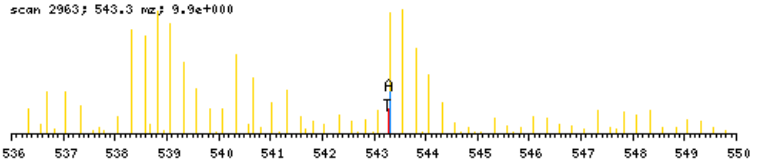
N-term:+29.04 K(8):+156.13

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

MVGMGQKDSYVGDEAQSKR, MH+ 2170.0637, m/z 543.2714
L OS G17 P120811 220811-s1.02967.02967.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



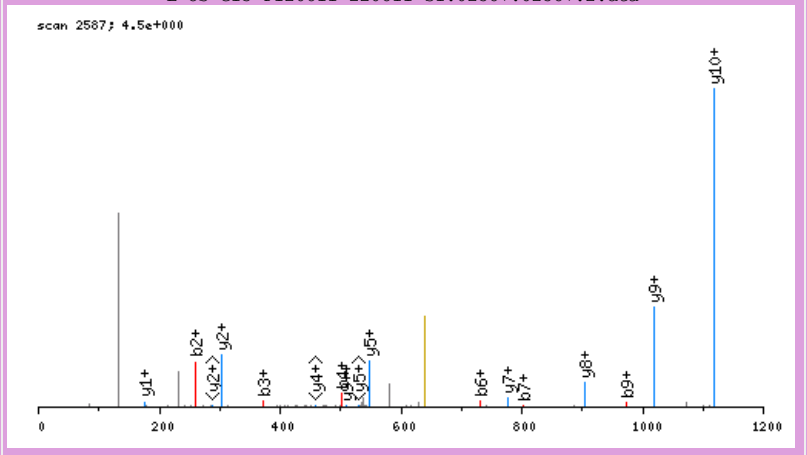
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	19		
259.1480	2	V	18	2010.9919	1005.9999
316.1695	3	G	17	1911.9235	**956.4657**
447.2099	4	M	16	1854.9021	**927.9549**
504.2314	5	G	15	1723.8616	862.4347
632.2900	6	Q	14	1666.8401	833.9240
788.4163	7	K	13	1538.7815	769.8947
903.4432	8	D	12	1382.6552	691.8315
990.4753	9	S	11	1267.6283	**634.3181**
1153.5386	10	Y	10	1180.5963	590.8020
1252.6070	11	V	9	1017.5329	**509.2704**
1309.6285	12	G	8	**918.4645**	**459.7362**
1424.6554	13	D	7	861.4431	431.2254
1553.6980	14	E	6	746.4161	**373.7120**
1624.7351	15	A	5	617.3735	**309.1907**
1752.7937	16	Q	4	**546.3364**	273.6721
1839.8257	17	S	3	**418.2778**	209.6428
1995.9520	18	K	2	331.2458	166.1268
	19	R	1	**175.1195**	88.0637

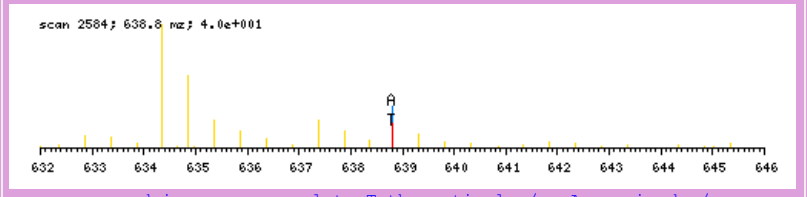
N-term:+29.04 K(7):+156.13
K(18):+156.13

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

MVIENDAGDER, MH+ 1276.5843, m/z 638.7958
L OS G13 P120811 220811-s1.02587.02587.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



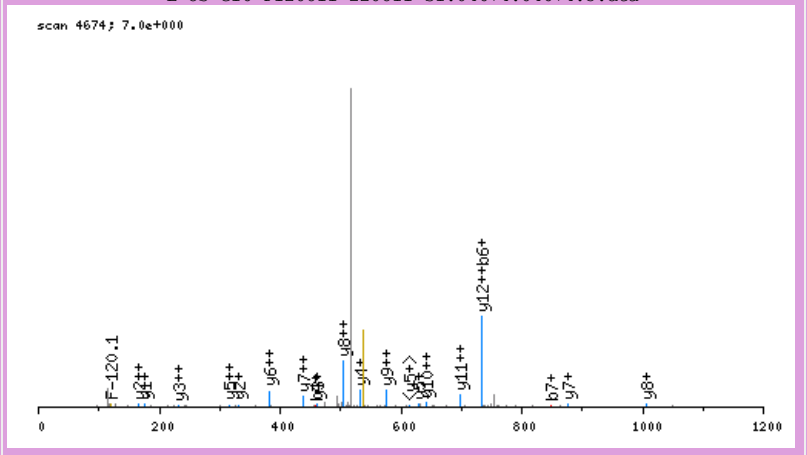
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
160.0796	1	M	11		
259.1480	2	V	10	1117.5126	559.2602
372.2321	3	I	9	1018.4441	509.7260
501.2747	4	E	8	905.3601	453.1840
615.3176	5	N	7	776.3175	388.6627
730.3445	6	D	6	662.2746	331.6412
801.3816	7	A	5	547.2476	274.1277
858.4031	8	G	4	476.2105	238.6092
973.4300	9	D	3	419.1890	210.0984
1102.4726	10	E	2	304.1621	152.5850
	11	R	1	175.1195	88.0637

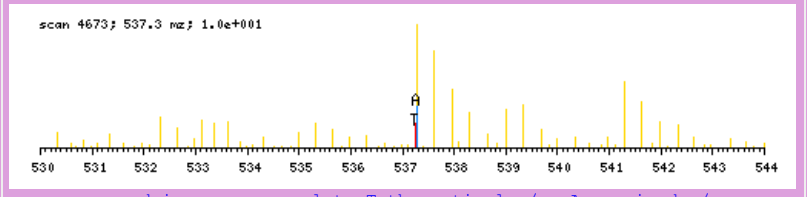
N-term:+29.04

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

NADEFEDMVAEKR, MH+ 1609.7532, m/z 537.2559
L OS G16 P120811 220811-s1.04674.04674.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



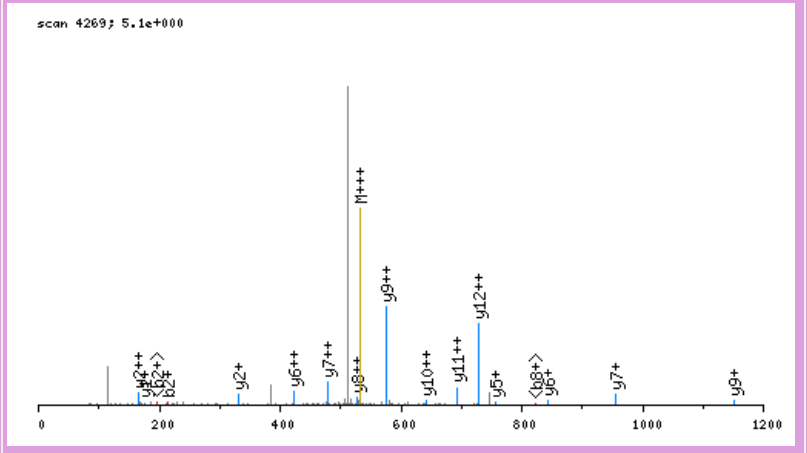
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
214.1191	2	A	12	1467.6790	**734.3434**
329.1461	3	D	11	1396.6419	**698.8249**
458.1887	4	E	10	1281.6149	**641.3114**
605.2571	5	F	9	1152.5724	**576.7901**
734.2997	6	E	8	**1005.5039**	**503.2559**
849.3266	7	D	7	**876.4613**	**438.7346**
980.3671	8	M	6	761.4344	**381.2211**
1079.4355	9	V	5	**630.3939**	**315.7009**
1150.4726	10	A	4	**531.3255**	266.1667
1279.5152	11	E	3	**460.2884**	**230.6481**
1435.6415	12	K	2	**331.2458**	**166.1268**
	13	R	1	**175.1195**	88.0637

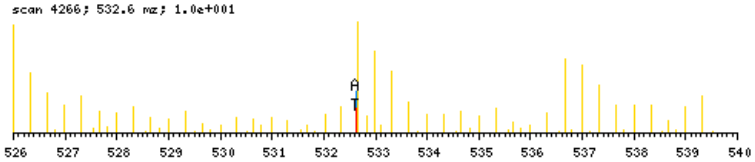
N-term:+29.04 K(12):+156.13

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

NATEPVISFYDKR, MH+ 1595.8433, m/z 532.6193
L OS G15 P120811 220811-s1.04269.04269.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



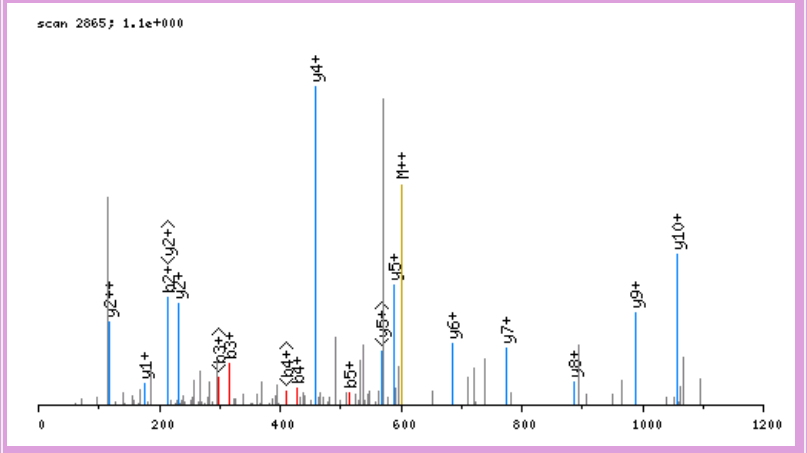
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

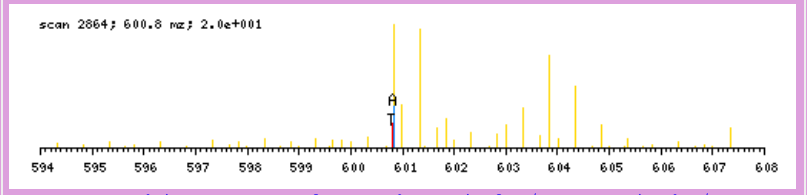
N-term:+29.04 K(12):+156.13

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+ 1200.6224, m/z 600.8148
L OS G13 P120811 220811-s1.02865.02865.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



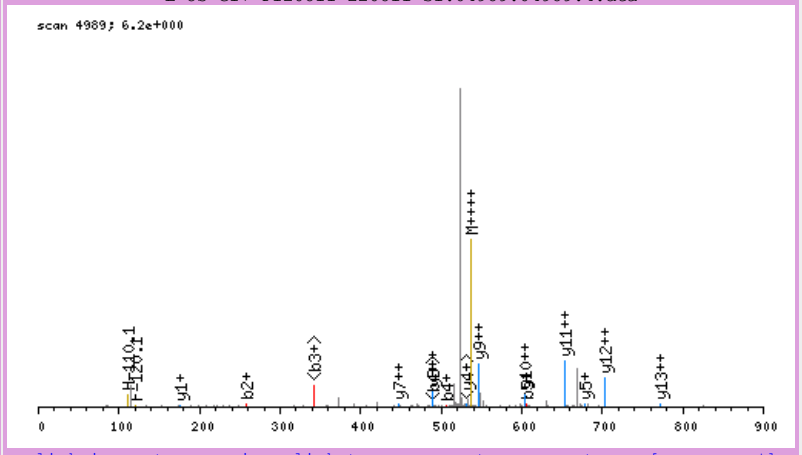
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	11		
214.1191	2	A	10	**1058.5482**	529.7780
315.1668	3	T	9	**987.5111**	494.2595
428.2509	4	L	8	**886.4634**	443.7356
515.2829	5	S	7	**773.3794**	387.1936
614.3513	6	V	6	**686.3473**	343.6776
743.3939	7	E	5	**587.2789**	294.1434
840.4467	8	P	4	**458.2363**	229.6221
969.4893	9	E	3	361.1836	181.0957
1026.5107	10	G	2	**232.1410**	**116.5744**
	11	R	1	**175.1195**	88.0637

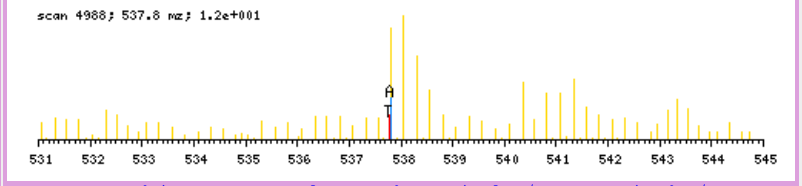
N-term:+29.04

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

NDTFVHVTDLSGKETICR, MH+ 2148.0759, m/z 537.7744
L OS G17 P120811 220811-s1.04989.04989.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



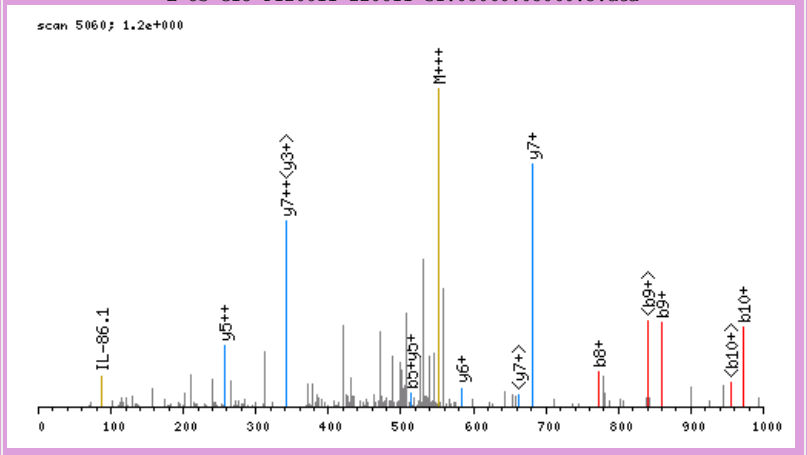
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

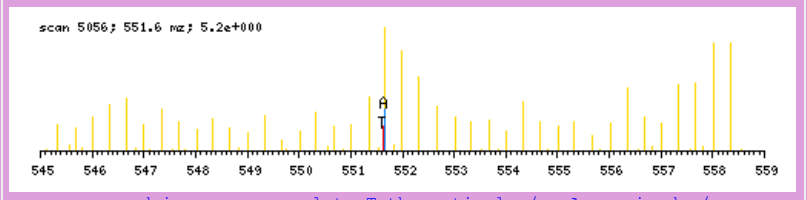
N-term:+29.04 K(13):+156.13
C(17):+160.03

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

NDVGVTSASLPAPGPSR, MH+ 1652.8607, m/z 551.6251
L OS G15 P120811 220811-s1.05060.05060.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



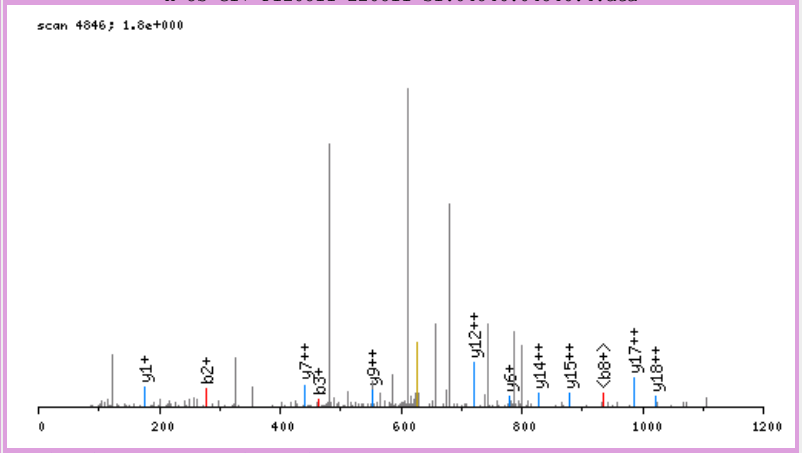
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	17		
258.1090	2	D	16	1510.7865	755.8972
357.1774	3	V	15	1395.7596	698.3837
414.1988	4	G	14	1296.6912	648.8495
513.2673	5	V	13	1239.6697	620.3388
614.3149	6	T	12	1140.6013	570.8046
701.3470	7	S	11	1039.5536	520.2807
772.3841	8	A	10	952.5216	476.7647
859.4161	9	S	9	881.4845	441.2462
972.5002	10	L	8	794.4525	397.7301
1069.5529	11	P	7	**681.3684**	**341.1881**
1140.5901	12	A	6	**584.3156**	292.6617
1237.6428	13	P	5	**513.2785**	**257.1432**
1294.6643	14	G	4	416.2258	208.6168
1391.7170	15	P	3	359.2043	180.1061
1478.7491	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

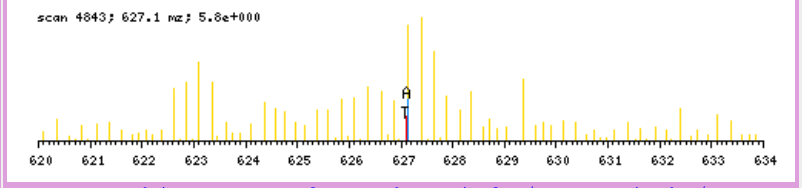
N-term:+29.04

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

NEWASQTTDGKLPEVTKDVER, MH+ 2505.3686, m/z 627.0976
H OS G17 P120811 220811-s1.04846.04846.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

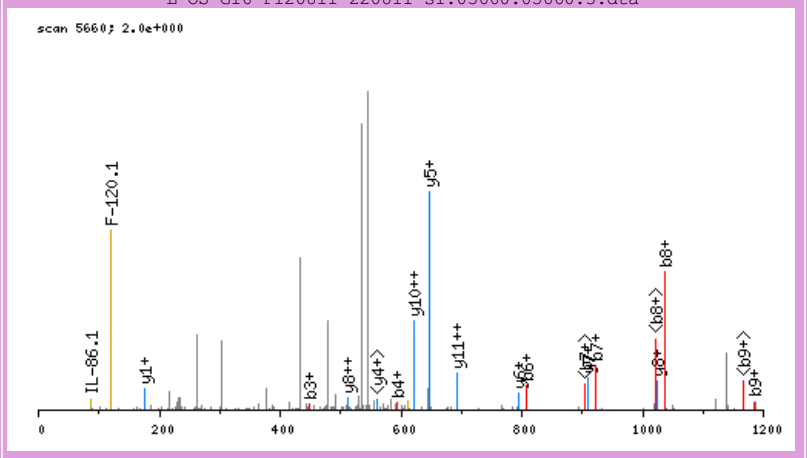


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

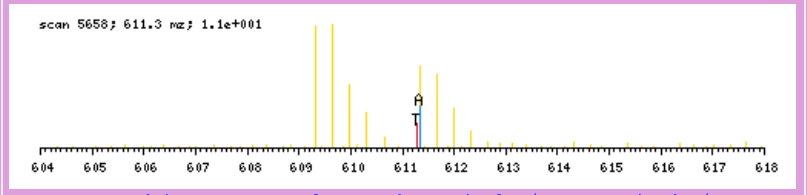
b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	21		
278.1564	2	E	20	2357.2626	1179.1352
464.2357	3	W	19	2228.2200	1114.6139
535.2728	4	A	18	2042.1406	**1021.5742**
622.3049	5	S	17	1971.1035	**986.0557**
750.3635	6	Q	16	1884.0715	942.5397
851.4111	7	T	15	1756.0129	**878.5104**
952.4588	8	T	14	1654.9652	**827.9865**
1067.4858	9	D	13	1553.9176	777.4627
1124.5072	10	G	12	1438.8906	**719.9492**
1286.6653	11	K	11	1381.8692	691.4385
1399.7494	12	L	10	1219.7111	610.3594
1496.8021	13	P	9	1106.6270	**553.8174**
1625.8447	14	E	8	1009.5742	505.2910
1724.9132	15	V	7	880.5316	**440.7697**
1825.9608	16	T	6	**781.4632**	391.2355
1988.1189	17	K	5	680.4156	340.7117
2103.1459	18	D	4	518.2575	259.6326
2202.2143	19	V	3	403.2305	202.1192
2331.2569	20	E	2	304.1621	152.5850
	21	R	1	**175.1195**	88.0637

N-term:+35.07 K(11):+162.16
K(17):+162.16

NFKFDVDDFAESWR, MH+ 1831.8655, m/z 611.2934
L OS G16 P120811 220811-s1.05660.05660.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

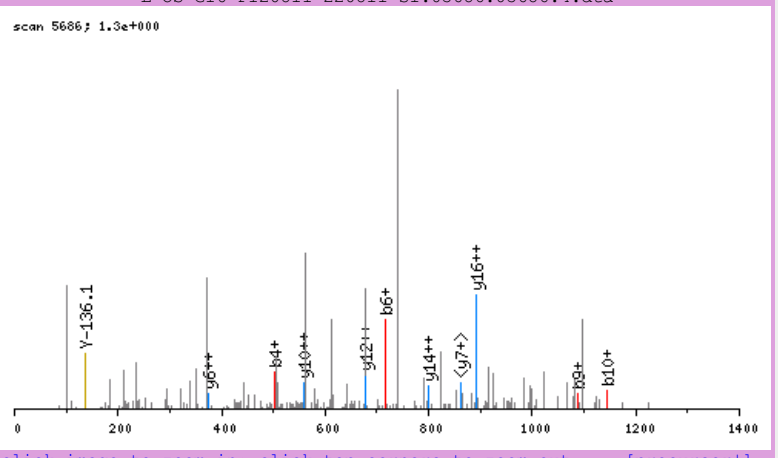
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	14		
290.1504	2	F	13	1689.7913	845.3996
446.2767	3	K	12	1542.7229	771.8654
593.3452	4	F	11	1386.5966	**693.8022**
708.3721	5	D	10	1239.5282	**620.2680**
807.4405	6	V	9	1124.5013	562.7545
922.4675	7	D	8	**1025.4328**	**513.2203**
1037.4944	8	D	7	**910.4059**	455.7069
1184.5628	9	F	6	**795.3790**	398.1934
1255.5999	10	A	5	**648.3105**	324.6592
1384.6425	11	E	4	577.2734	289.1406
1471.6745	12	S	3	448.2308	224.6193
1657.7539	13	W	2	361.1988	181.1033
	14	R	1	**175.1195**	88.0637

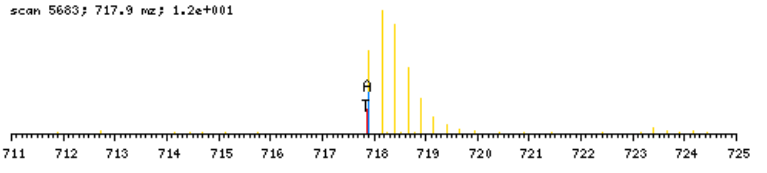
N-term:+29.04 K(3):+156.13

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

NFKGTIQELGQNQYAVSGEIFVVDR, MH+ 2868.4896, m/z 717.8779
L OS G16 P120811 220811-s1.05686.05686.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



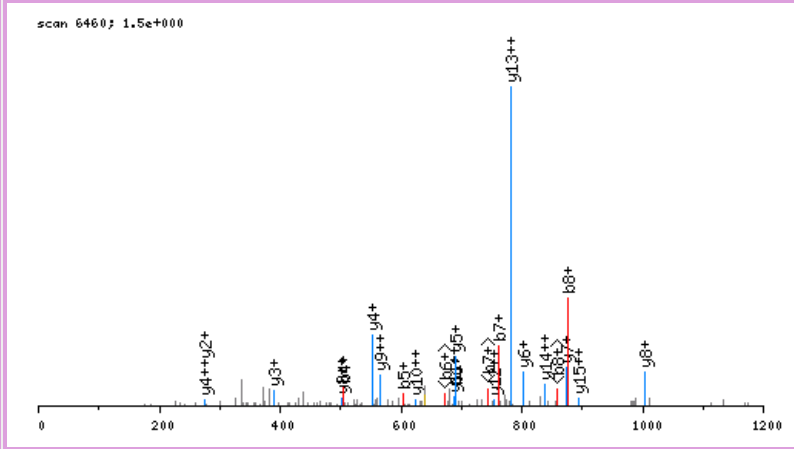
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	25		
290.1504	2	F	24	2726.4154	1363.7116
446.2767	3	K	23	2579.3470	1290.1774
503.2982	4	G	22	2423.2207	1212.1143
604.3459	5	T	21	2366.1992	1183.6035
717.4299	6	I	20	2265.1515	1133.0797
845.4885	7	Q	19	2152.0675	1076.5376
974.5311	8	E	18	2024.0089	1012.5084
1087.6152	9	L	17	1894.9663	947.9871
1144.6366	10	G	16	1781.8822	**891.4450**
1272.6952	11	Q	15	1724.8608	862.9343
1386.7382	12	N	14	1596.8022	**798.9050**
1514.7967	13	Q	13	1482.7593	741.8835
1677.8601	14	Y	12	1354.7007	**677.8543**
1748.8972	15	A	11	1191.6374	596.3226
1847.9656	16	V	10	1120.6002	**560.8040**
1934.9976	17	S	9	1021.5318	511.2698
1992.0191	18	G	8	934.4998	467.7538
2121.0617	19	E	7	877.4783	439.2431
2234.1457	20	I	6	748.4357	**374.7218**
2381.2141	21	F	5	635.3517	318.1798
2480.2826	22	V	4	488.2833	244.6455
2579.3510	23	V	3	389.2149	195.1113
2694.3779	24	D	2	290.1464	145.5771
	25	R	1	175.1195	88.0637

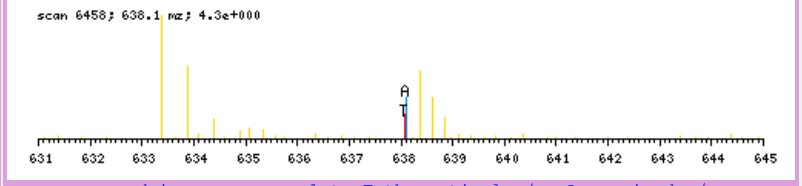
N-term:+29.04 K(3):+156.13

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

NHPQVSALLGEEDEEALHYLTR, MH+ 2549.2636, m/z 638.0714
L OS G17 P120811 220811-s1.06460.06460.4.dta



click image to zoom in; click top corners to zoom out [precursor]



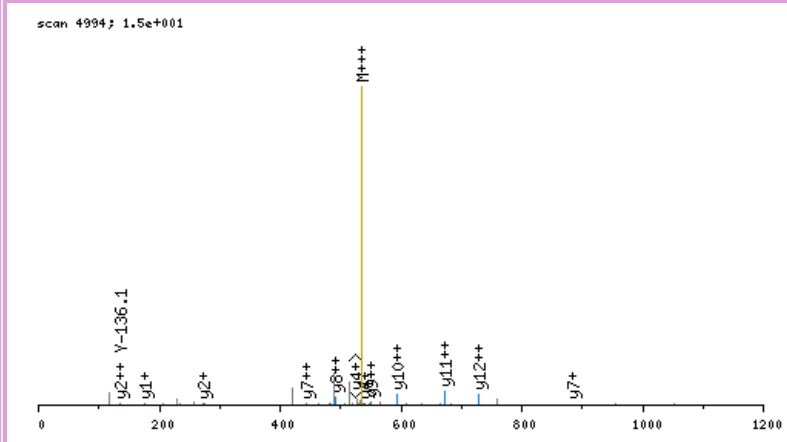
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	22		
280.1409	2	H	21	2407.1894	1204.0986
377.1937	3	P	20	2270.1305	1135.5691
505.2523	4	Q	19	2173.0777	1087.0428
604.3207	5	V	18	2045.0191	1023.0135
691.3527	6	S	17	1945.9507	973.4793
762.3898	7	A	16	1858.9187	929.9633
875.4739	8	L	15	1787.8816	**894.4447**
988.5580	9	L	14	1674.7975	**837.9027**
1045.5794	10	G	13	1561.7134	**781.3606**
1174.6220	11	E	12	1504.6920	**752.8499**
1303.6646	12	E	11	1375.6494	**688.3286**
1418.6916	13	D	10	1246.6068	**623.8073**
1547.7342	14	E	9	1131.5798	**566.2938**
1676.7767	15	E	8	**1002.5373**	**501.7725**
1747.8139	16	A	7	**873.4947**	437.2512
1860.8979	17	L	6	**802.4575**	401.7327
1997.9568	18	H	5	**689.3735**	345.1907
2161.0202	19	Y	4	**552.3146**	**276.6612**
2274.1042	20	L	3	**389.2512**	195.1295
2375.1519	21	T	2	**276.1672**	138.5875
	22	R	1	175.1195	88.0637

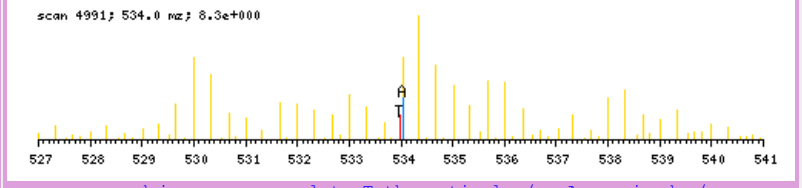
N-term:+29.04

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

NICSLTTIQKIPR, MH+ 1599.9256, m/z 533.9800
L OS G15 P120811 220811-s1.04994.04994.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



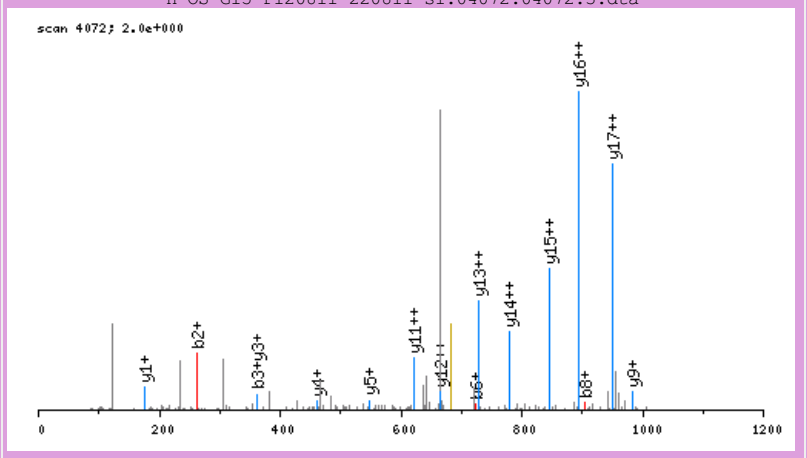
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
256.1661	2	I	12	1457.8514	**729.4296**
416.1967	3	C	11	1344.7673	**672.8876**
503.2287	4	S	10	1184.7367	**592.8723**
616.3128	5	L	9	1097.7047	**549.3563**
717.3605	6	T	8	984.6206	**492.8142**
818.4081	7	T	7	**883.5729**	**442.2904**
931.4922	8	I	6	782.5253	391.7665
1059.5508	9	Q	5	669.4412	335.2245
1215.6771	10	K	4	**541.3826**	271.1952
1328.7611	11	I	3	385.2563	193.1321
1425.8139	12	P	2	**272.1723**	**136.5900**
	13	R	1	**175.1195**	88.0637

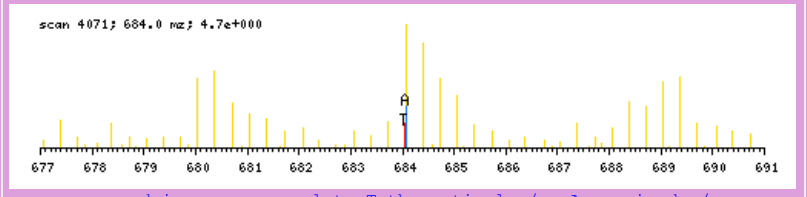
N-term:+29.04 C(3):+160.03
K(10):+156.13

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

NIVMTQSPKSMSMSVGER, MH+ 2050.0771, m/z 684.0306
H OS G15 P120811 220811-s1.04072.04072.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



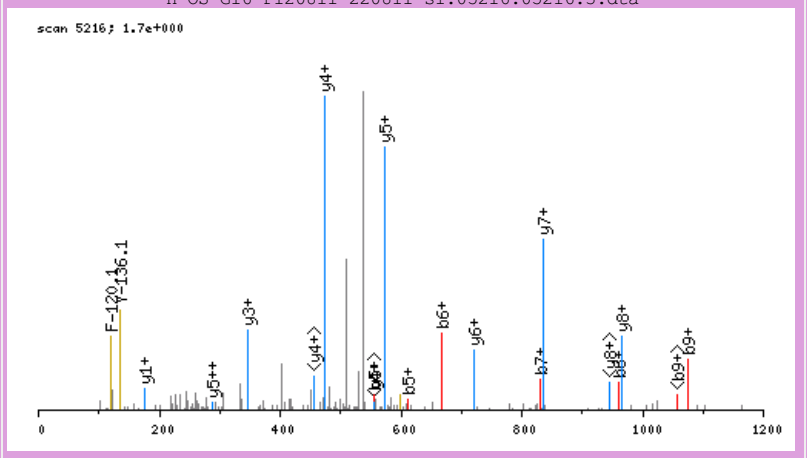
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	18		
262.1979	2	I	17	1901.9711	951.4895
361.2663	3	V	16	1788.8871	894.9474
492.3068	4	M	15	1689.8187	845.4132
593.3545	5	T	14	1558.7782	779.8930
721.4130	6	Q	13	1457.7305	729.3692
808.4451	7	S	12	1329.6719	665.3399
905.4978	8	P	11	1242.6399	621.8239
1067.6559	9	K	10	1145.5871	573.2975
1154.6880	10	S	9	983.4290	492.2184
1285.7285	11	M	8	896.3970	448.7024
1372.7605	12	S	7	765.3565	383.1822
1503.8010	13	M	6	678.3245	339.6662
1590.8330	14	S	5	547.2840	274.1459
1689.9014	15	V	4	460.2520	230.6299
1746.9229	16	G	3	361.1836	181.0957
1875.9655	17	E	2	304.1621	152.5850
	18	R	1	175.1195	88.0637

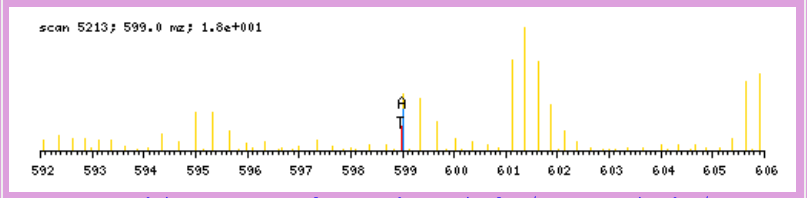
N-term:+35.07 K(9):+162.16

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

NKDQGGYEDFVEGLR, MH+ 1794.9299, m/z 598.9815
H OS G16 P120811 220811-s1.05216.05216.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



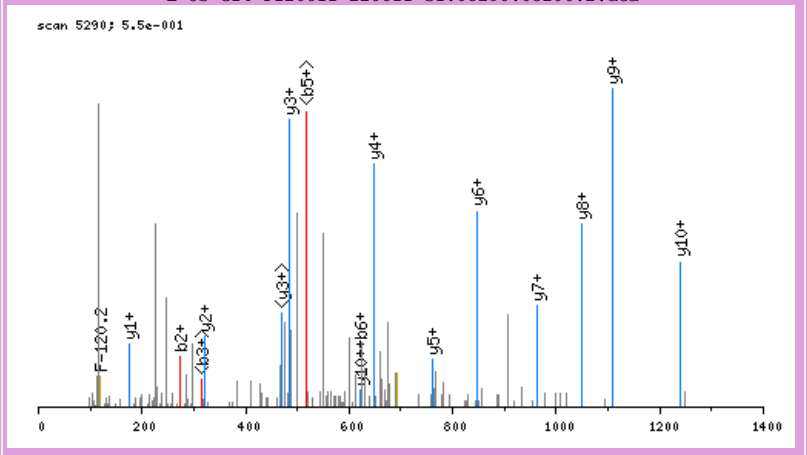
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

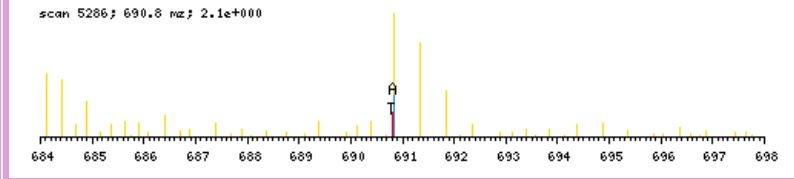
N-term:+35.07 K(2):+162.16

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

NMGSDSLYYFR, MH+ 1380.6258, m/z 690.8165
L OS G14 P120811 220811-s1.05290.05290.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



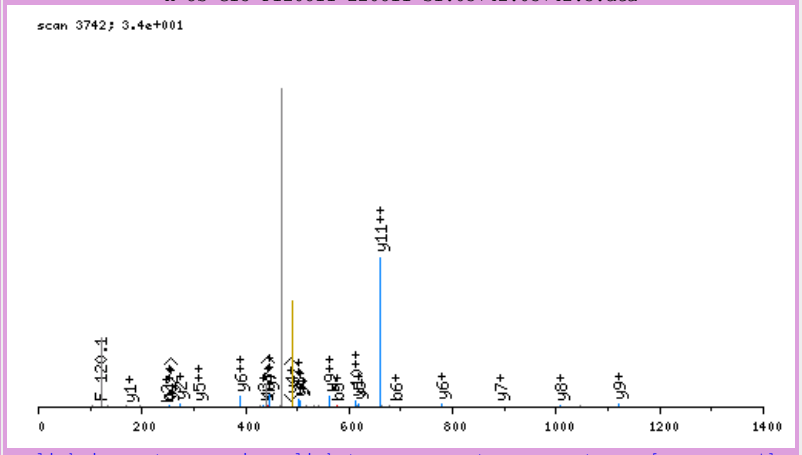
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	11		
274.1225	2	M	10	1238.5516	619.7797
331.1440	3	G	9	1107.5111	554.2595
418.1760	4	S	8	1050.4896	525.7487
533.2029	5	D	7	963.4576	482.2327
620.2350	6	S	6	848.4307	424.7192
733.3190	7	L	5	761.3986	381.2032
896.3824	8	Y	4	648.3146	324.6612
1059.4457	9	Y	3	485.2512	243.1295
1206.5141	10	F	2	322.1879	161.5979
	11	R	1	175.1195	88.0637

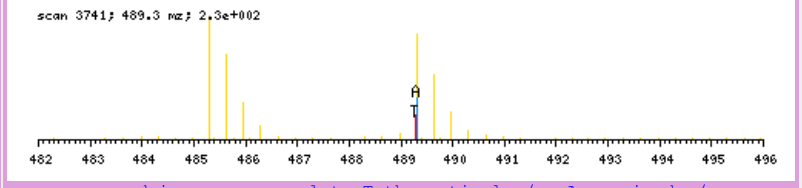
N-term:+29.04

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

NPVDDICIAKPR, MH+ 1465.8473, m/z 489.2873
H OS G15 P120811 220811-s1.03742.03742.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



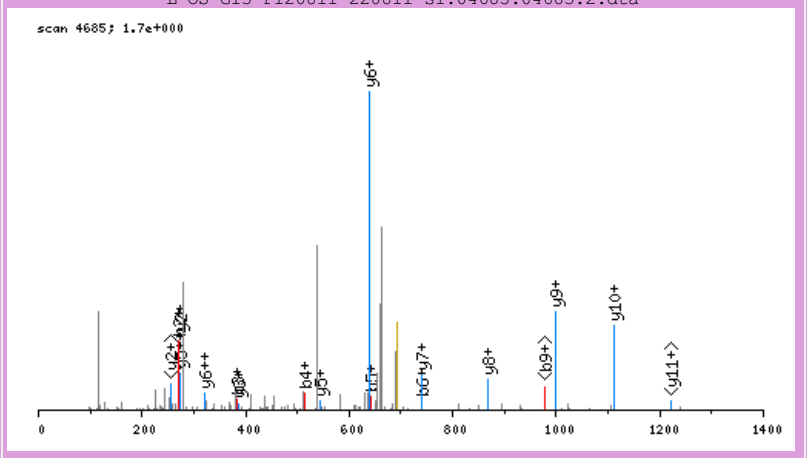
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	12		
246.1666	2	P	11	1317.7413	659.3745
345.2350	3	V	10	1220.6885	610.8482
460.2619	4	D	9	1121.6201	561.3140
575.2889	5	D	8	1006.5931	503.8005
688.3730	6	I	7	891.5662	446.2870
848.4036	7	C	6	778.4821	389.7450
961.4876	8	I	5	618.4515	309.7297
1032.5247	9	A	4	505.3675	253.1877
1194.6828	10	K	3	434.3304	217.6691
1291.7356	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

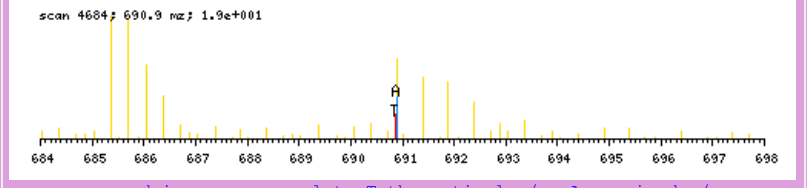
N-term:+35.07 C(7):+160.03
K(10):+162.16

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

NQLEEVPSALPR, MH+ 1380.7487, m/z 690.8780
L OS G13 P120811 220811-s1.04685.04685.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



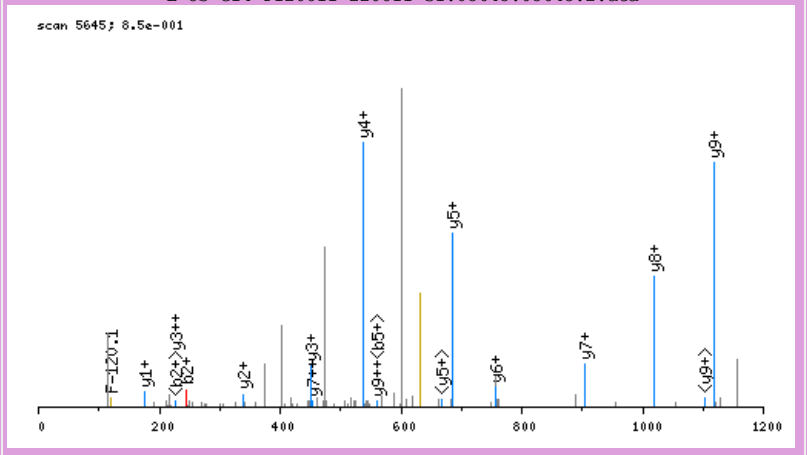
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	12		
271.1406	2	Q	11	1238.6745	619.8412
384.2247	3	L	10	1110.6159	555.8119
513.2673	4	E	9	997.5318	499.2698
642.3099	5	E	8	868.4892	434.7485
741.3783	6	V	7	739.4466	370.2272
838.4310	7	P	6	640.3782	320.6930
925.4631	8	S	5	543.3255	272.1666
996.5002	9	A	4	456.2934	228.6506
1109.5842	10	L	3	385.2563	193.1321
1206.6370	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

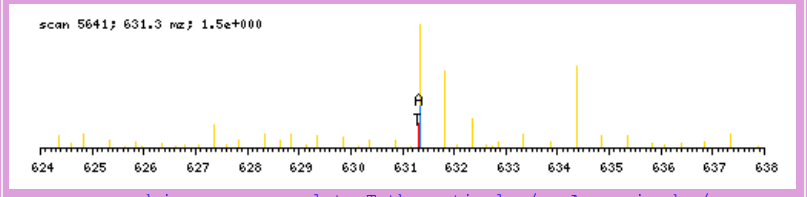
N-term:+29.04

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

NTDFAFSLYR, MH+ 1261.6217, m/z 631.3145
L OS G14 P120811 220811-s1.05645.05645.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



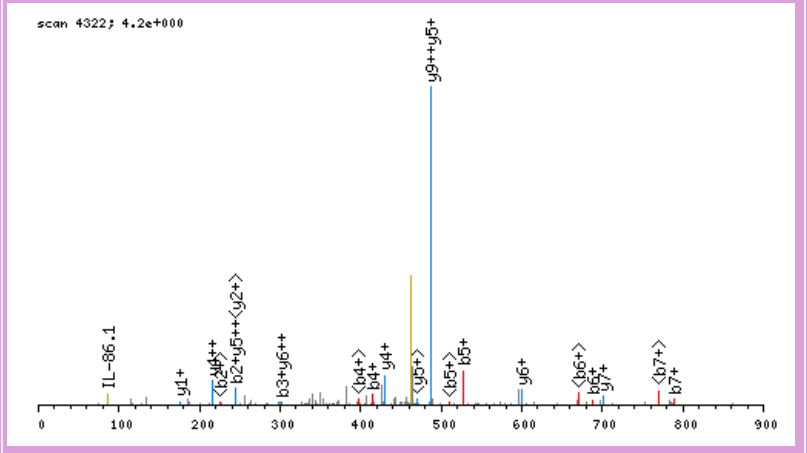
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	10		
244.1297	2	T	9	1119.5475	560.2777
359.1566	3	D	8	1018.4998	509.7538
506.2251	4	F	7	903.4729	452.2403
577.2622	5	A	6	756.4044	378.7061
724.3306	6	F	5	685.3673	343.1876
811.3626	7	S	4	538.2989	269.6534
924.4467	8	L	3	451.2669	226.1374
1087.5100	9	Y	2	338.1828	169.5953
	10	R	1	175.1195	88.0637

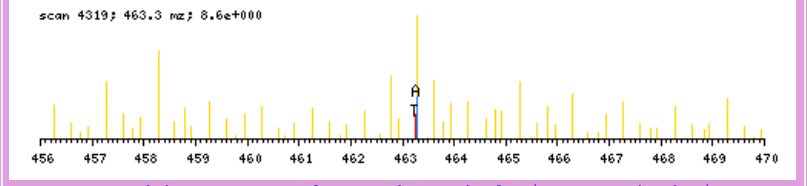
N-term:+29.04

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

NTGIICTIGPASR, MH+ 1387.7367, m/z 463.2504
L OS G13 P120811 220811-s1.04322.04322.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



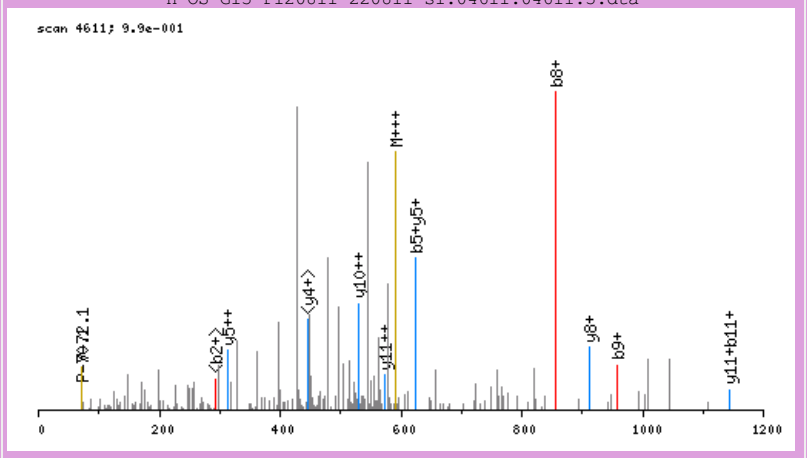
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
244.1297	2	T	12	1245.6625	623.3352
301.1512	3	G	11	1144.6148	572.8113
414.2352	4	I	10	1087.5933	544.3006
527.3193	5	I	9	974.5093	**487.7586**
687.3499	6	C	8	861.4252	431.2165
788.3976	7	T	7	**701.3946**	351.2012
901.4816	8	I	6	**600.3469**	**300.6774**
958.5031	9	G	5	**487.2629**	**244.1353**
1055.5559	10	P	4	**430.2414**	**215.6246**
1126.5930	11	A	3	333.1886	167.0982
1213.6250	12	S	2	262.1515	131.5797
	13	R	1	**175.1195**	88.0637

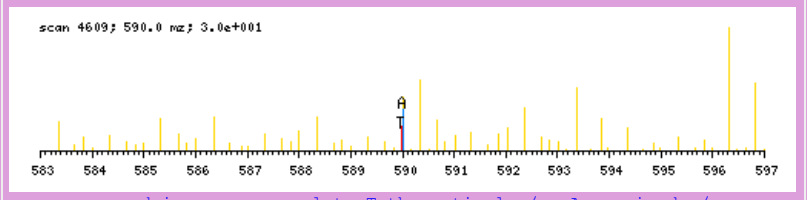
N-term:+29.04 C(6):+160.03

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

NYLEASSGTDAKNSSR, MH+ 1767.9149, m/z 589.9765
H OS G13 P120811 220811-s1.04611.04611.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



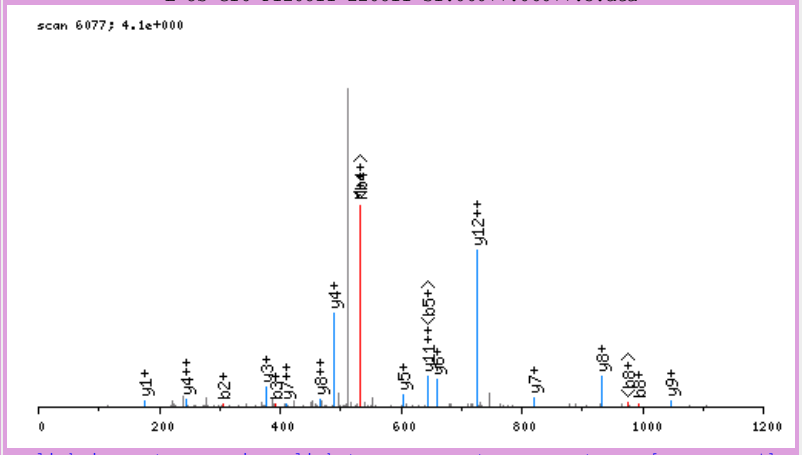
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
149.1138	1	N	16		
312.1772	2	Y	15	1619.8089	810.4084
425.2612	3	L	14	1456.7456	728.8767
554.3038	4	E	13	1343.6615	672.3347
625.3409	5	A	12	1214.6190	607.8134
712.3730	6	S	11	**1143.5818**	**572.2948**
799.4050	7	S	10	1056.5498	**528.7788**
856.4264	8	G	9	969.5178	485.2628
957.4741	9	T	8	**912.4963**	456.7521
1072.5011	10	D	7	811.4486	406.2282
1143.5382	11	A	6	696.4217	348.7148
1305.6963	12	K	5	**625.3846**	**313.1962**
1419.7392	13	N	4	463.2265	232.1172
1506.7712	14	S	3	349.1836	175.0957
1593.8033	15	S	2	262.1515	131.5797
	16	R	1	175.1195	88.0637

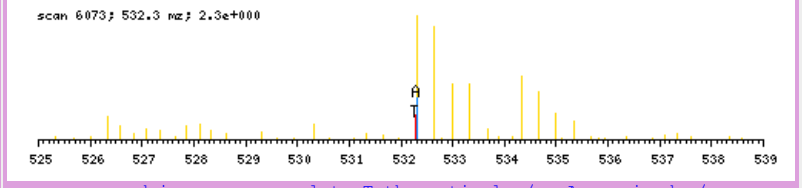
N-term:+35.07 K(12):+162.16

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

NYSKLLCGLLSDR, MH+ 1594.8627, m/z 532.2924
L OS G16 P120811 220811-s1.06077.06077.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



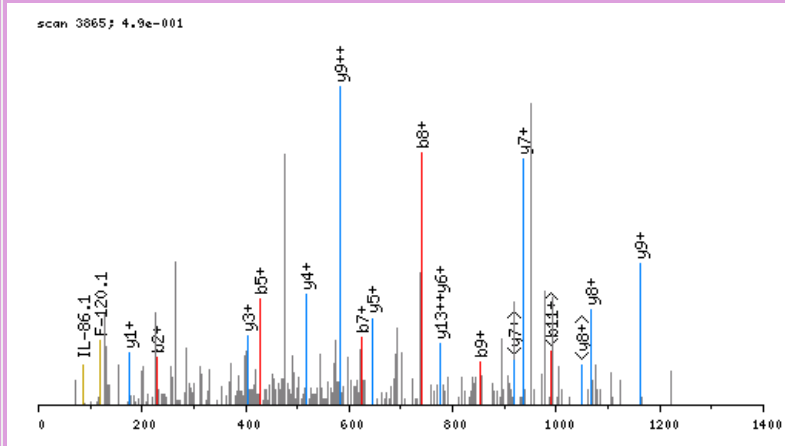
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
143.0820	1	N	13		
306.1454	2	Y	12	1452.7884	**726.8981**
393.1774	3	S	11	1289.7251	**645.3665**
549.3037	4	K	10	1202.6931	601.8505
662.3877	5	L	9	**1046.5668**	523.7873
775.4718	6	L	8	**933.4827**	**467.2453**
935.5024	7	C	7	**820.3987**	**410.7032**
992.5239	8	G	6	**660.3681**	330.6879
1105.6079	9	L	5	**603.3466**	302.1772
1218.6920	10	L	4	**490.2625**	**245.6352**
1305.7240	11	S	3	**377.1785**	189.0931
1420.7510	12	D	2	290.1464	145.5771
	13	R	1	**175.1195**	88.0637

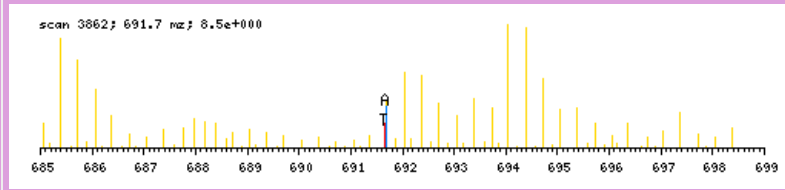
N-term:+29.04 K(4):+156.13
C(7):+160.03

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

QASGGPVDIGPEYQQDLDR, MH+ 2072.9889, m/z 691.6678
L OS G12 P120811 220811-s1.03865.03865.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



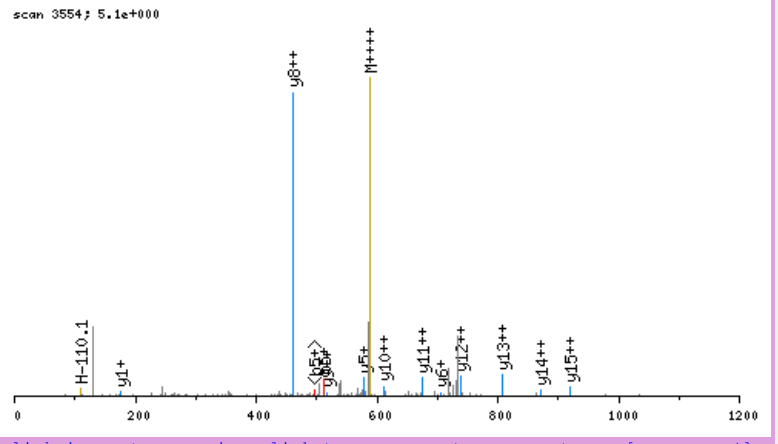
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	19		
228.1348	2	A	18	1916.8990	958.9534
315.1668	3	S	17	1845.8619	923.4349
372.1883	4	G	16	1758.8299	879.9188
429.2097	5	G	15	1701.8084	851.4081
526.2625	6	P	14	1644.7869	822.8974
625.3309	7	V	13	1547.7342	**774.3710**
740.3579	8	D	12	1448.6658	724.8368
853.4419	9	I	11	1333.6388	667.3233
910.4634	10	G	10	1220.5548	610.7813
1007.5162	11	P	9	**1163.5333**	**582.2706**
1136.5588	12	E	8	**1066.4805**	533.7442
1299.6221	13	Y	7	**937.4379**	469.2229
1427.6807	14	Q	6	**774.3746**	387.6912
1555.7392	15	Q	5	**646.3160**	323.6619
1670.7662	16	D	4	**518.2575**	259.6326
1783.8502	17	L	3	**403.2305**	202.1192
1898.8772	18	D	2	290.1464	145.5771
	19	R	1	**175.1195**	88.0637

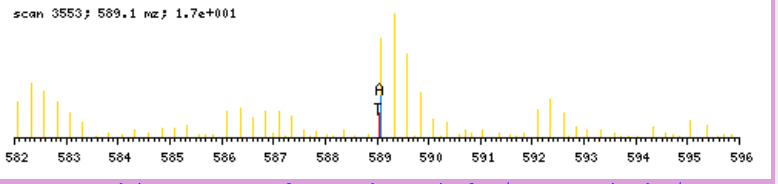
N-term:+29.04

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

QDGALVQHQQWDGKESTITR, MH+ 2353.1901, m/z 589.0530
L OS G17 P120811 220811-s1.03554.03554.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



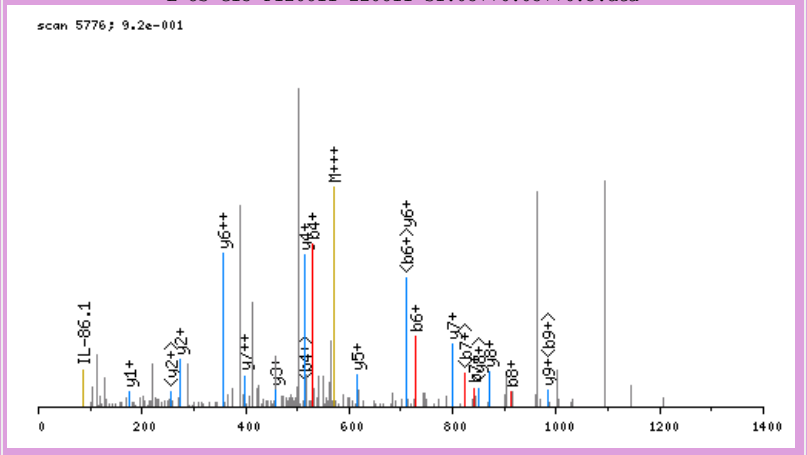
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	20		
272.1246	2	D	19	2197.1002	1099.0540
329.1461	3	G	18	2082.0733	1041.5405
400.1832	4	A	17	2025.0518	1013.0298
513.2673	5	L	16	1954.0147	977.5113
612.3357	6	V	15	1840.9306	**920.9692**
740.3943	7	Q	14	1741.8622	**871.4350**
877.4532	8	H	13	1613.8036	**807.4057**
1005.5117	9	Q	12	1476.7447	**738.8763**
1133.5703	10	Q	11	1348.6861	**674.8470**
1319.6496	11	W	10	1220.6276	**610.8177**
1434.6766	12	D	9	1034.5483	**517.7780**
1491.6980	13	G	8	919.5213	**460.2646**
1647.8243	14	K	7	862.4998	431.7538
1776.8669	15	E	6	**706.3735**	353.6907
1863.8990	16	S	5	**577.3310**	289.1694
1964.9466	17	T	4	490.2989	245.6534
2078.0307	18	I	3	389.2512	195.1295
2179.0784	19	T	2	276.1672	138.5875
	20	R	1	**175.1195**	88.0637

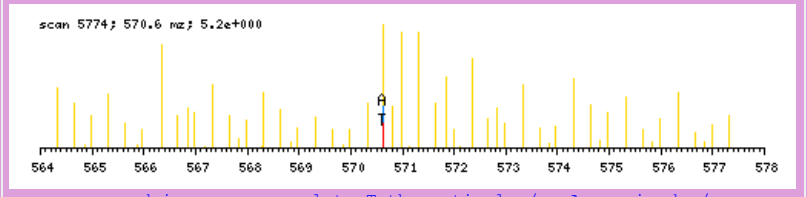
N-term:+29.04 K(14):+156.13

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

QEDEPTIASPVGWPR, MH+ 1709.8498, m/z 570.6215
L OS G13 P120811 220811-s1.05776.05776.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



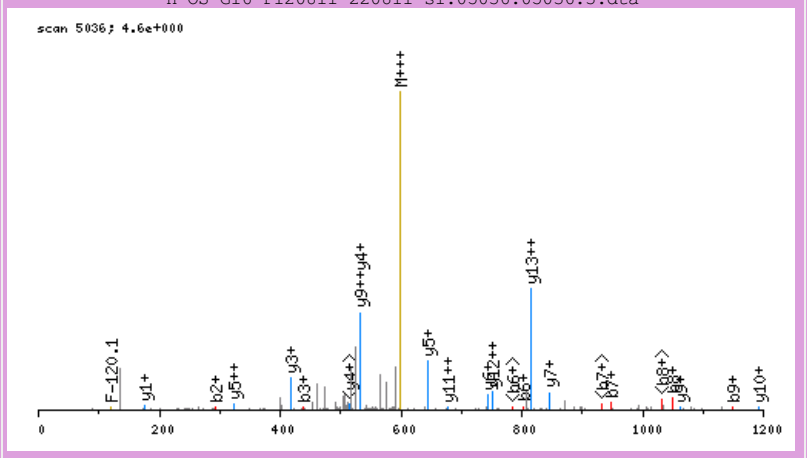
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	15		
286.1403	2	E	14	1553.7600	777.3839
401.1672	3	D	13	1424.7174	712.8626
530.2098	4	E	12	1309.6905	655.3491
627.2626	5	P	11	1180.6479	590.8278
728.3102	6	T	10	1083.5951	542.3015
841.3943	7	I	9	**982.5474**	491.7776
912.4314	8	A	8	**869.4634**	435.2356
999.4635	9	S	7	**798.4262**	**399.7170**
1096.5162	10	P	6	**711.3942**	**356.2010**
1195.5846	11	V	5	**614.3415**	307.6746
1252.6061	12	G	4	**515.2730**	258.1404
1438.6854	13	W	3	**458.2516**	229.6297
1535.7382	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	88.0637

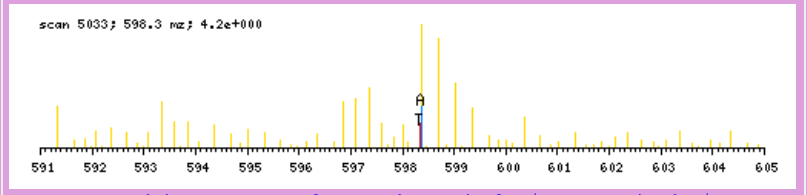
N-term:+29.04

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

QEFKEAFTVIDQNR, MH+ 1792.9870, m/z 598.3338
H OS G16 P120811 220811-s1.05036.05036.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



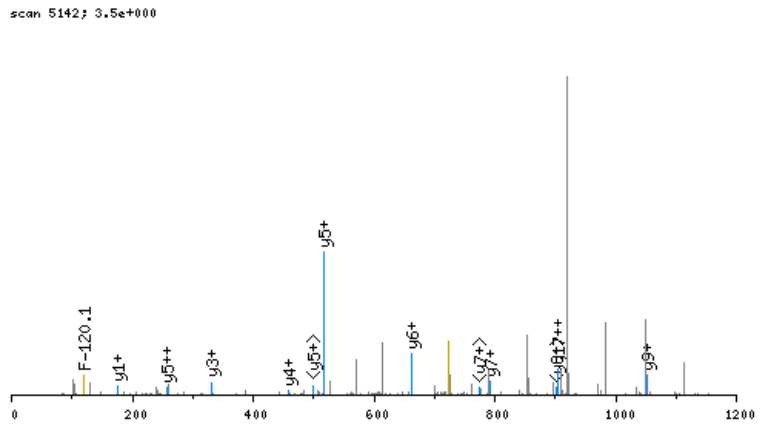
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

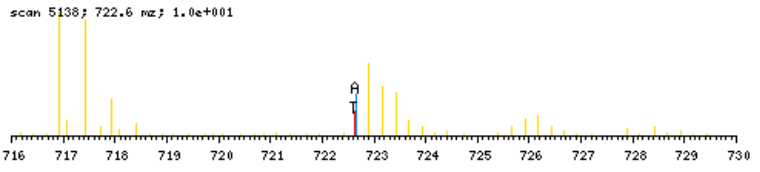
N-term:+35.07 K(4):+162.16

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+ 2887.4372, m/z 722.6148
L OS G16 P120811 220811-s1.05142.05142.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



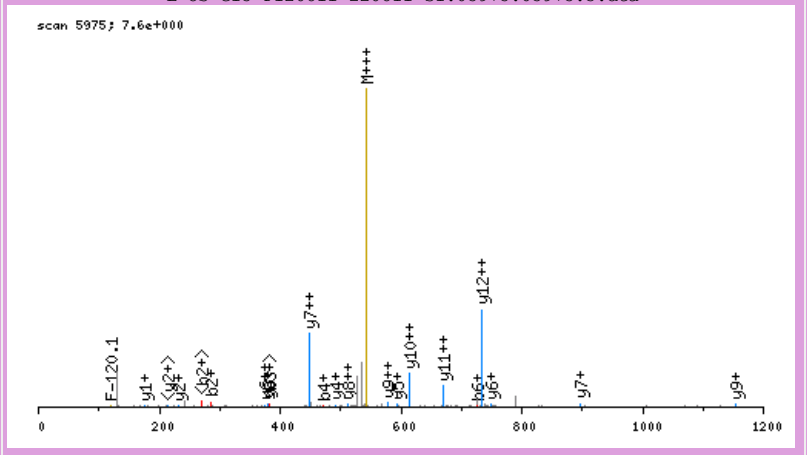
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	26		
286.1403	2	E	25	2731.3474	1366.1776
343.1617	3	G	24	2602.3048	1301.6563
458.1887	4	D	23	2545.2833	1273.1456
614.3150	5	K	22	2430.2564	1215.6321
713.3834	6	V	21	2274.1301	1137.5690
826.4675	7	I	20	2175.0617	1088.0348
982.5686	8	R	19	2061.9776	1031.4927
1079.6213	9	P	18	1905.8765	953.4422
1136.6428	10	G	17	1808.8237	**904.9158**
1235.7112	11	V	16	1751.8023	876.4050
1322.7432	12	S	15	1652.7339	826.8708
1450.8018	13	Q	14	1565.7018	783.3548
1521.8389	14	A	13	1437.6433	719.3255
1578.8604	15	G	12	1366.6061	683.8070
1707.9030	16	E	11	1309.5847	655.2963
1836.9456	17	E	10	1180.5421	590.7750
1967.9861	18	M	9	**1051.4995**	526.2537
2097.0287	19	E	8	920.4590	460.7334
2225.0872	20	Q	7	**791.4164**	396.2121
2372.1556	21	F	6	**663.3578**	332.1828
2429.1771	22	G	5	**516.2894**	**258.6486**
2557.2357	23	Q	4	**459.2680**	230.1379
2614.2572	24	G	3	**331.2094**	166.1086
2713.3256	25	V	2	274.1879	137.5979
	26	R	1	**175.1195**	88.0637

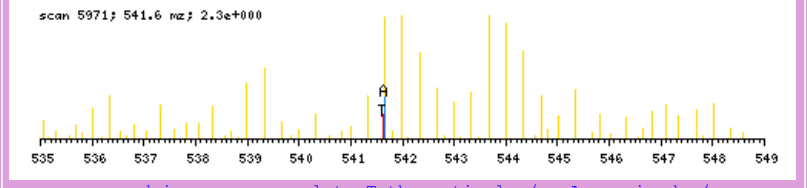
N-term:+29.04 K(5):+156.13

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

QEIAQEFKTLFGR, MH+ 1622.8906, m/z 541.6351
L OS G15 P120811 220811-s1.05975.05975.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



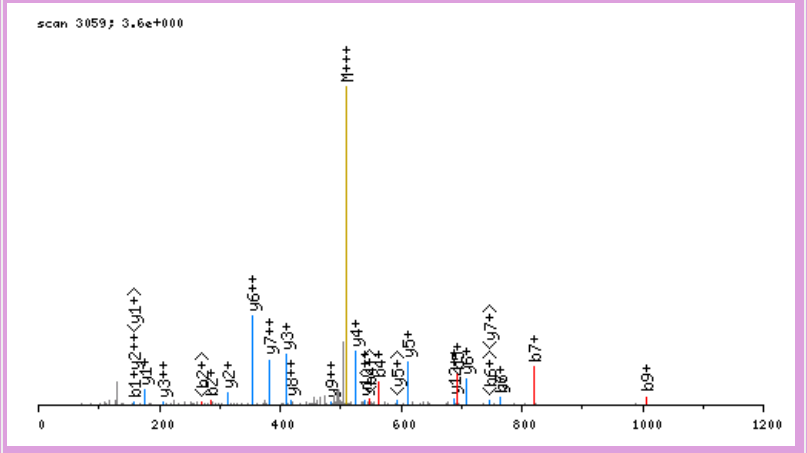
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	13		
286.1403	2	E	12	1466.8008	**733.9043**
399.2243	3	I	11	1337.7582	**669.3830**
470.2614	4	A	10	1224.6741	**612.8410**
598.3200	5	Q	9	**1153.6370**	**577.3224**
727.3626	6	E	8	1025.5784	**513.2931**
874.4310	7	F	7	**896.5358**	**448.7718**
1030.5573	8	K	6	**749.4674**	**375.2376**
1131.6050	9	T	5	**593.3411**	297.1745
1244.6891	10	L	4	**492.2934**	246.6506
1391.7575	11	F	3	**379.2094**	190.1086
1448.7790	12	G	2	**232.1410**	116.5744
	13	R	1	**175.1195**	88.0637

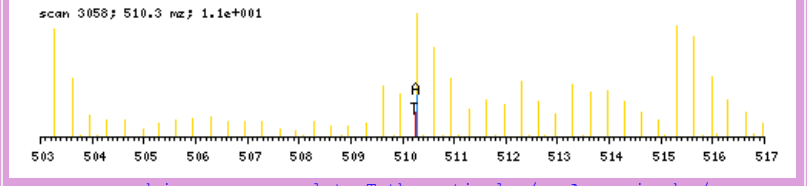
N-term:+29.04 K(8):+156.13

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

QEYDEAGPSIVHR, MH+ 1528.7396, m/z 510.2514
L OS G16 P120811 220811-s1.03059.03059.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



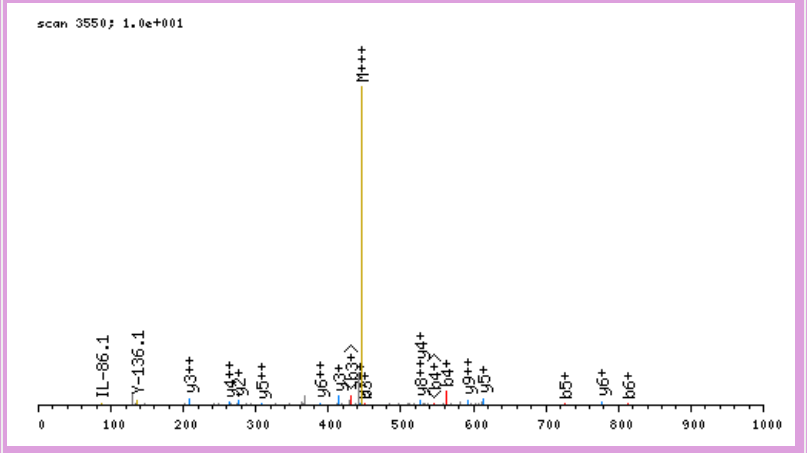
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	13		
286.1403	2	E	12	1372.6497	686.8288
449.2036	3	Y	11	1243.6071	622.3075
564.2305	4	D	10	1080.5438	540.7758
693.2731	5	E	9	965.5169	483.2623
764.3102	6	A	8	836.4743	418.7410
821.3317	7	G	7	765.4371	383.2225
918.3845	8	P	6	708.4157	354.7118
1005.4165	9	S	5	611.3629	306.1854
1118.5006	10	I	4	524.3309	262.6694
1217.5690	11	V	3	411.2468	206.1273
1354.6279	12	H	2	312.1784	156.5931
	13	R	1	175.1195	88.0637

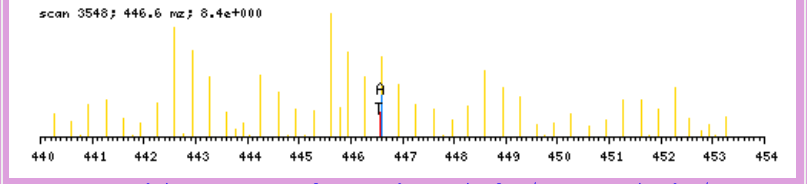
N-term:+29.04

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

QEYIYSIHTR, MH+ 1337.6854, m/z 446.5666
L OS G16 P120811 220811-s1.03550.03550.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



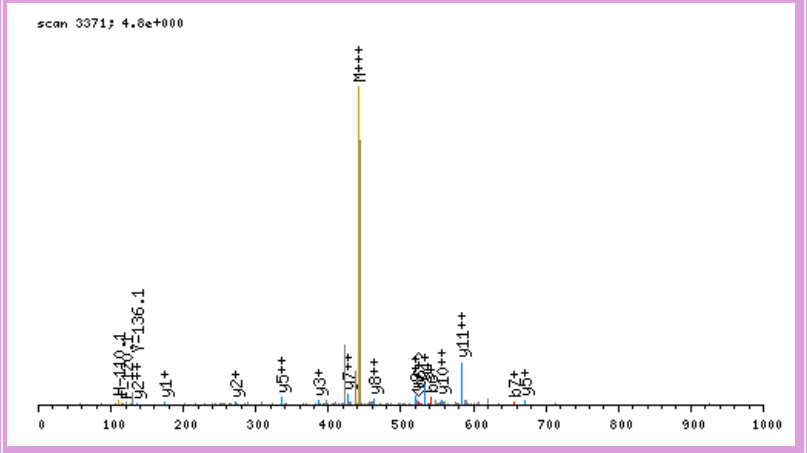
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	10		
286.1403	2	E	9	1181.5955	**591.3017**
449.2036	3	Y	8	1052.5529	**526.7804**
562.2877	4	I	7	889.4896	**445.2487**
725.3510	5	Y	6	**776.4055**	**388.7067**
812.3830	6	S	5	**613.3422**	**307.1750**
925.4671	7	I	4	**526.3102**	**263.6590**
1062.5260	8	H	3	**413.2261**	**207.1170**
1163.5737	9	T	2	**276.1672**	138.5875
	10	R	1	175.1195	88.0637

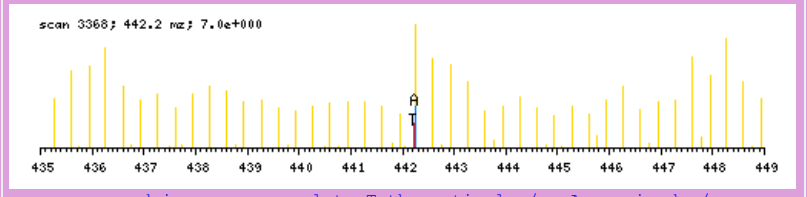
N-term:+29.04

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

QGADAALHFNPR, MH+ 1324.6762, m/z 442.2302
L OS G16 P120811 220811-s1.03371.03371.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



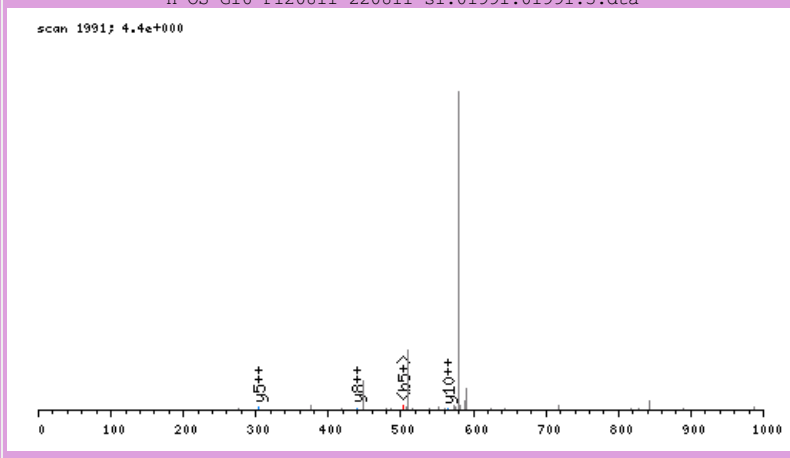
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	12		
214.1191	2	G	11	1168.5863	**584.7971**
285.1563	3	A	10	1111.5649	**556.2863**
400.1832	4	D	9	1040.5278	**520.7678**
471.2203	5	A	8	925.5008	**463.2543**
542.2574	6	A	7	854.4637	**427.7358**
655.3415	7	L	6	783.4266	392.2172
792.4004	8	H	5	**670.3425**	**335.6752**
939.4688	9	F	4	**533.2836**	267.1457
1053.5117	10	N	3	**386.2152**	193.6115
1150.5645	11	P	2	**272.1723**	**136.5900**
	12	R	1	**175.1195**	88.0637

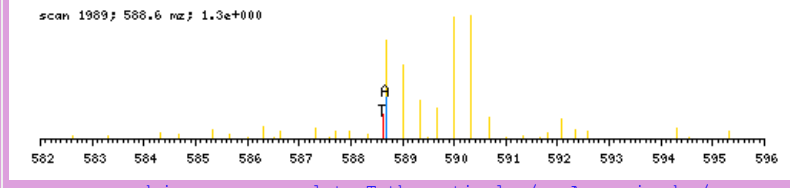
N-term:+29.04

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

QGDGEDNHVDGDKGPR, MH+ 1763.8585, m/z 588.6243
H OS G16 P120811 220811-s1.01991.01991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



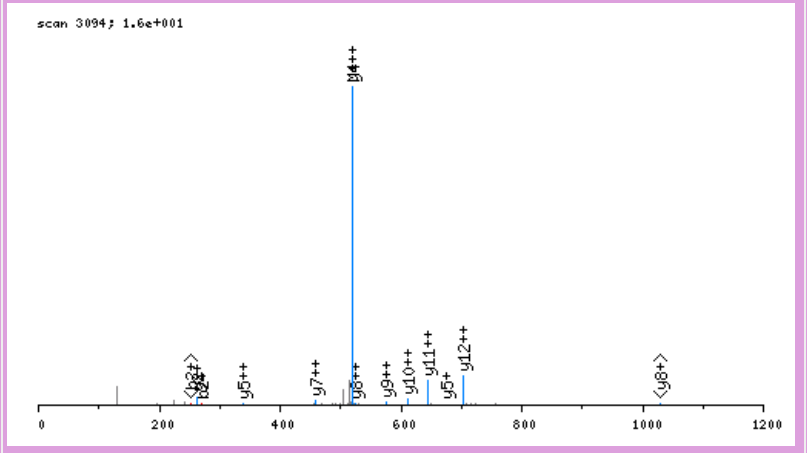
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	16		
220.1509	2	G	15	1601.7368	801.3723
335.1779	3	D	14	1544.7154	772.8616
392.1993	4	G	13	1429.6884	715.3481
521.2419	5	E	12	1372.6670	686.8374
636.2689	6	D	11	1243.6244	622.3161
750.3118	7	N	10	1128.5974	**564.8026**
887.3707	8	H	9	1014.5545	507.7812
986.4391	9	V	8	877.4956	**439.2517**
1101.4661	10	D	7	778.4272	389.7175
1158.4875	11	G	6	663.4002	332.2040
1273.5145	12	D	5	606.3788	**303.6933**
1435.6726	13	K	4	491.3518	246.1798
1492.6941	14	G	3	329.1937	165.1008
1589.7468	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

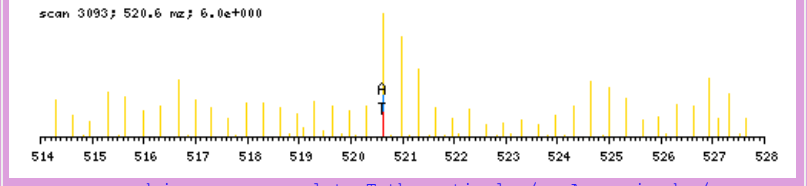
N-term:+35.07 K(13):+162.16

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

QIAATELEKEESR, MH+ 1559.8281, m/z 520.6142
L OS G16 P120811 220811-s1.03094.03094.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



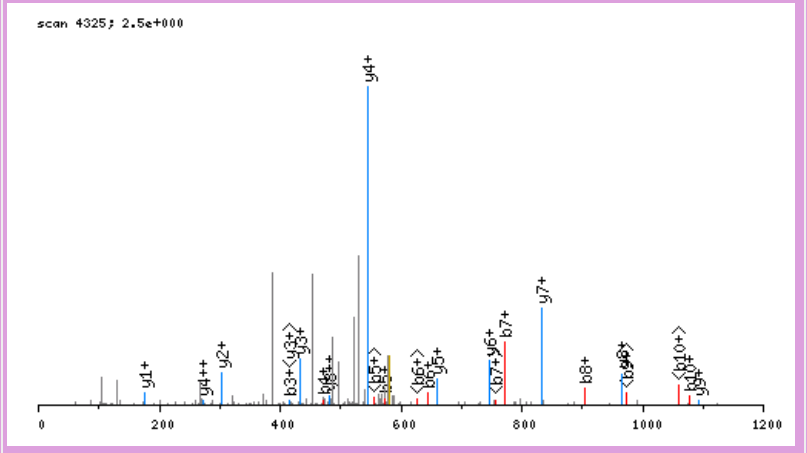
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

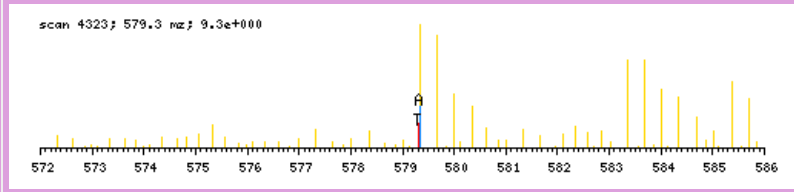
N-term:+29.04 K(9):+156.13

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

QKTGTAEMSSILEER, MH+ 1735.8900, m/z 579.3015
L OS G16 P120811 220811-s1.04325.04325.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



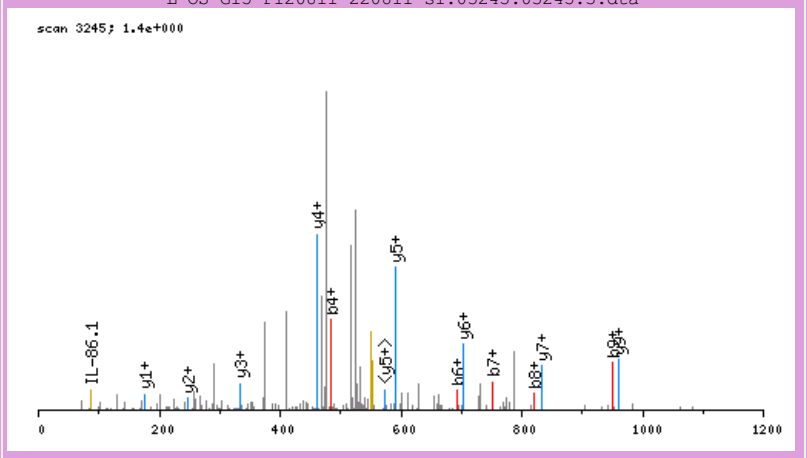
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	15		
313.2240	2	K	14	1579.8002	790.4040
414.2717	3	T	13	1423.6739	712.3409
471.2931	4	G	12	1322.6262	661.8170
572.3408	5	T	11	1265.6047	633.3063
643.3779	6	A	10	1164.5571	582.7824
772.4205	7	E	9	**1093.5199**	547.2639
903.4610	8	M	8	**964.4774**	**482.7426**
990.4930	9	S	7	**833.4369**	417.2223
1077.5250	10	S	6	**746.4048**	373.7063
1190.6091	11	I	5	**659.3728**	330.1903
1303.6932	12	L	4	**546.2888**	**273.6483**
1432.7358	13	E	3	**433.2047**	217.1063
1561.7784	14	E	2	**304.1621**	152.5850
	15	R	1	**175.1195**	88.0637

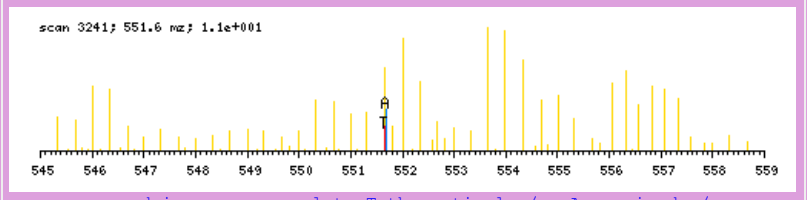
N-term:+29.04 K(2):+156.13

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

QKVAPLGAELQESAR, MH+ 1652.9336, m/z 551.6494
L OS G15 P120811 220811-s1.03245.03245.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



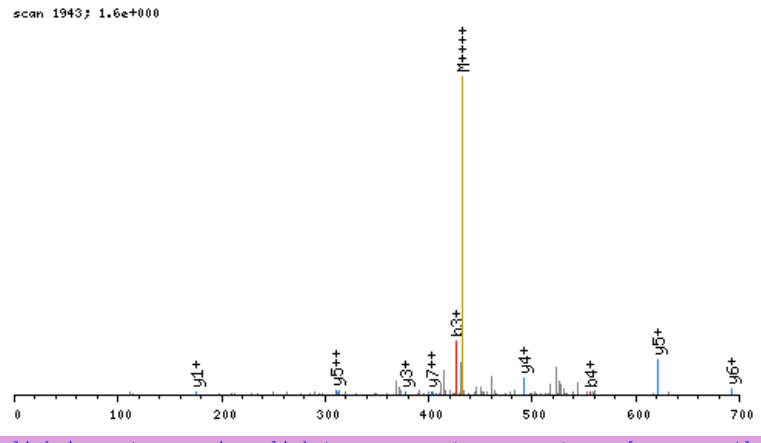
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	15		
313.2240	2	K	14	1496.8437	748.9258
412.2924	3	V	13	1340.7174	670.8626
483.3295	4	A	12	1241.6490	621.3284
580.3823	5	P	11	1170.6119	585.8099
693.4663	6	L	10	1073.5591	537.2835
750.4878	7	G	9	**960.4750**	480.7414
821.5249	8	A	8	903.4536	452.2307
950.5675	9	E	7	**832.4165**	416.7121
1063.6516	10	L	6	**703.3739**	352.1909
1191.7101	11	Q	5	**590.2898**	295.6488
1320.7527	12	E	4	**462.2312**	231.6195
1407.7848	13	S	3	**333.1886**	167.0982
1478.8219	14	A	2	**246.1566**	123.5822
	15	R	1	**175.1195**	88.0637

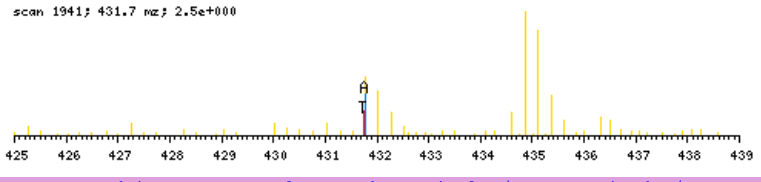
N-term:+29.04 K(2):+156.13

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

QLKEAKHIAEDSDR, MH+ 1723.9343, m/z 431.7390
L OS G19 P120811 220811-s1.01943.01943.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



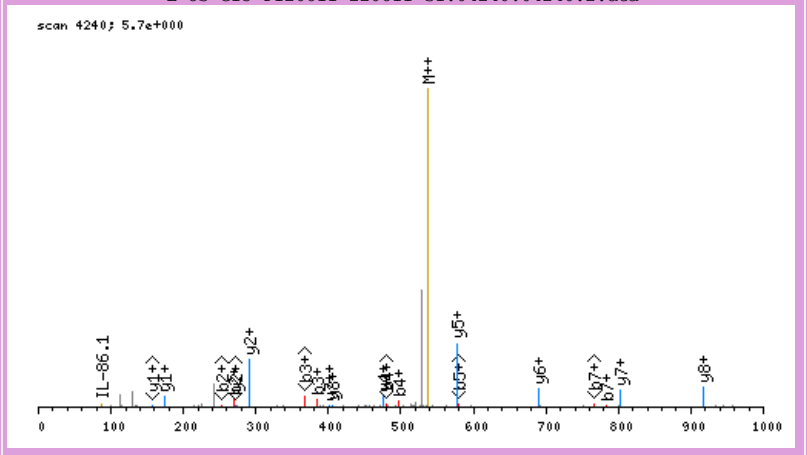
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	14		
270.1817	2	L	13	1567.8445	784.4261
426.3080	3	K	12	1454.7604	727.8841
555.3506	4	E	11	1298.6341	649.8210
626.3877	5	A	10	1169.5915	585.2997
782.5140	6	K	9	1098.5544	549.7811
919.5730	7	H	8	942.4281	471.7180
1032.6570	8	I	7	805.3692	**403.1885**
1103.6941	9	A	6	**692.2851**	346.6465
1232.7367	10	E	5	**621.2480**	**311.1279**
1347.7637	11	D	4	**492.2054**	246.6066
1434.7957	12	S	3	**377.1785**	189.0931
1549.8226	13	D	2	290.1464	145.5771
	14	R	1	**175.1195**	88.0637

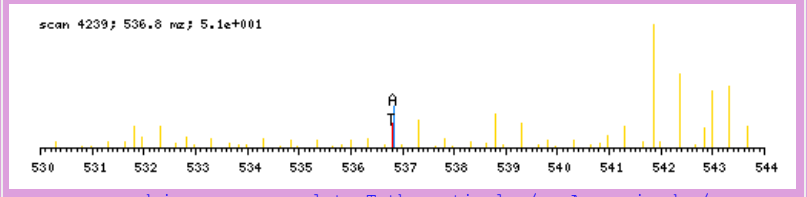
N-term:+29.04 K(3):+156.13
K(6):+156.13

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

QLLLTADDR, MH+ 1072.6002, m/z 536.8037
L OS G13 P120811 220811-s1.04240.04240.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



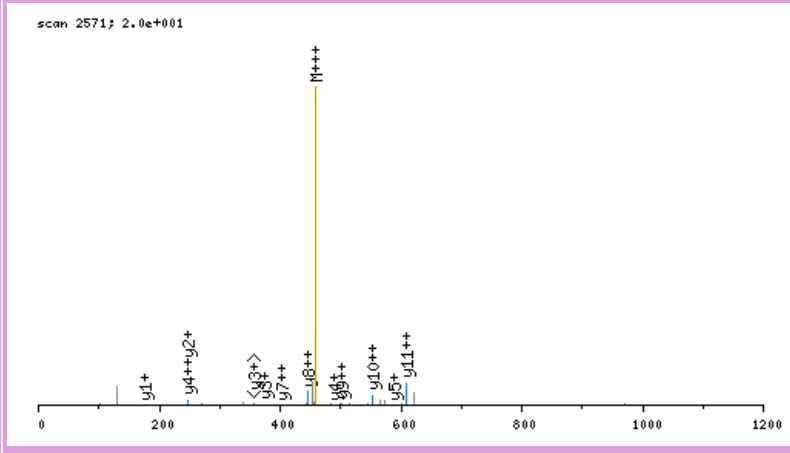
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

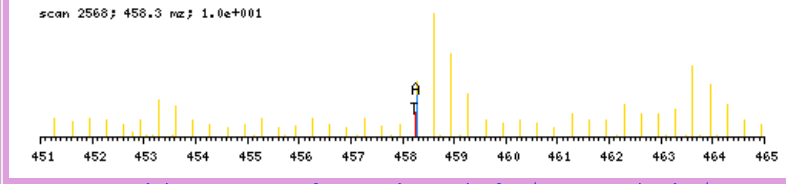
N-term:+29.04

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

QLVDSGKVDEAR, MH+ 1372.7436, m/z 458.2527
L OS G16 P120811 220811-s1.02571.02571.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



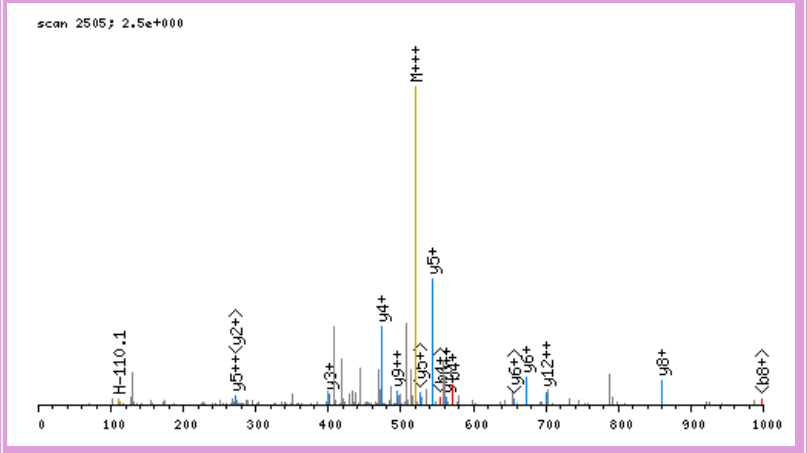
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	12		
270.1817	2	L	11	1216.6538	**608.8308**
369.2502	3	V	10	1103.5697	**552.2888**
484.2771	4	D	9	1004.5013	**502.7546**
571.3091	5	S	8	889.4744	**445.2411**
628.3306	6	G	7	802.4423	**401.7251**
784.4569	7	K	6	745.4209	373.2143
883.5253	8	V	5	**589.2946**	295.1512
998.5522	9	D	4	**490.2262**	**245.6170**
1127.5948	10	E	3	**375.1992**	188.1035
1198.6320	11	A	2	**246.1566**	123.5822
	12	R	1	**175.1195**	88.0637

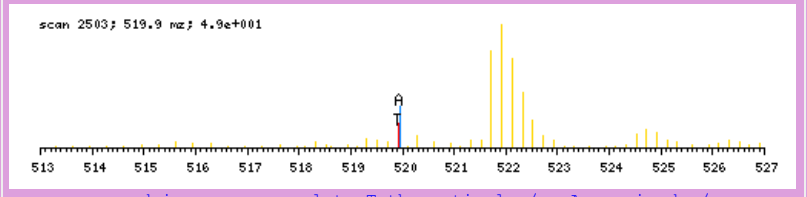
N-term:+29.04 K(7):+156.13

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

QNYHQDAEAAINR, MH+ 1557.7410, m/z 519.9185
L OS G16 P120811 220811-s1.02505.02505.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

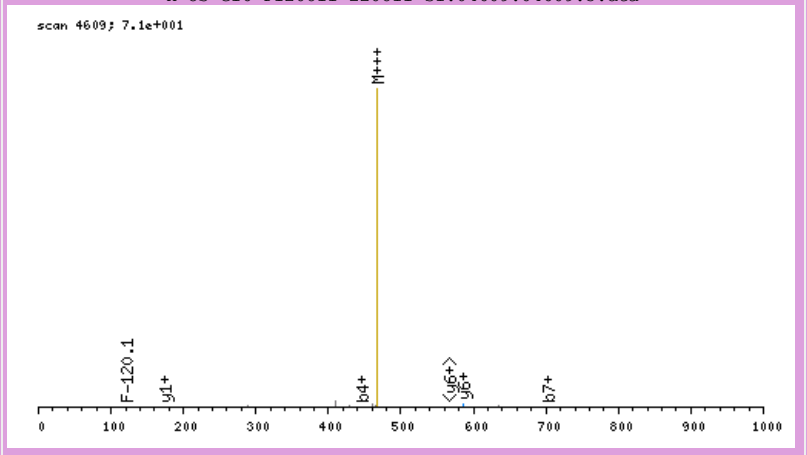


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

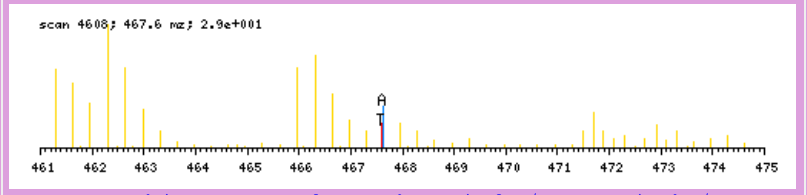
b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	13		
271.1406	2	N	12	1401.6511	**701.3295**
434.2039	3	Y	11	1287.6082	644.3080
571.2628	4	H	10	1124.5449	**562.7763**
699.3214	5	Q	9	987.4859	**494.2469**
814.3484	6	D	8	**859.4274**	430.2176
885.3855	7	A	7	744.4004	372.7041
1014.4281	8	E	6	**673.3633**	337.1856
1085.4652	9	A	5	**544.3207**	**272.6643**
1156.5023	10	A	4	**473.2836**	237.1457
1269.5864	11	I	3	**402.2465**	201.6272
1383.6293	12	N	2	289.1624	145.0851
	13	R	1	175.1195	88.0637

N-term:+29.04

QPGEVSALGQGPAR, MH+ 1400.7710, m/z 467.5952
H OS G16 P120811 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

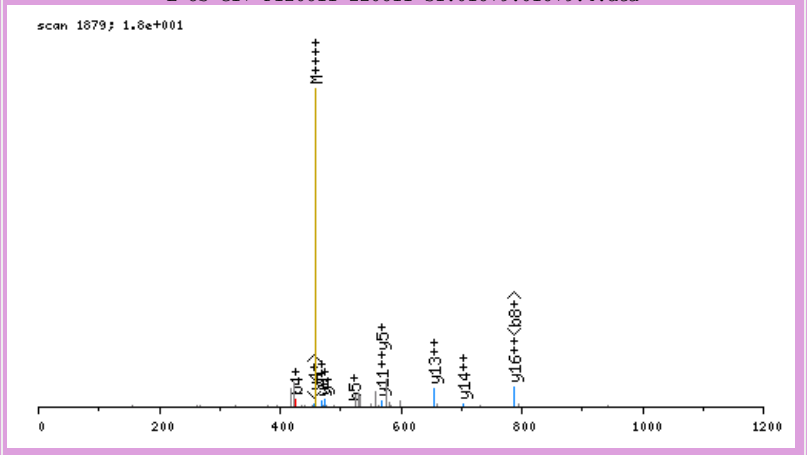
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	14		
260.1822	2	P	13	1238.6493	619.8286
317.2037	3	G	12	1141.5966	571.3022
446.2463	4	E	11	1084.5751	542.7915
545.3147	5	V	10	955.5325	478.2702
632.3467	6	S	9	856.4641	428.7360
703.3839	7	A	8	769.4321	385.2199
816.4679	8	L	7	698.3949	349.7014
873.4894	9	G	6	**585.3109**	293.1594
1001.5480	10	Q	5	528.2894	264.6486
1058.5694	11	G	4	400.2308	200.6193
1155.6222	12	P	3	343.2094	172.1086
1226.6593	13	A	2	246.1566	123.5822
	14	R	1	**175.1195**	88.0637

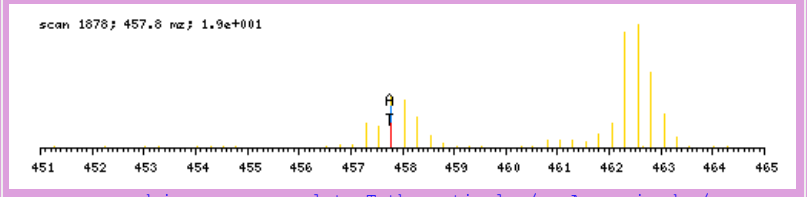
N-term:+35.07

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

QPGLPAVLSSPSPPLSPR, MH+ 1828.0332, m/z 457.7638
L OS G17 P120811 220811-s1.01879.01879.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



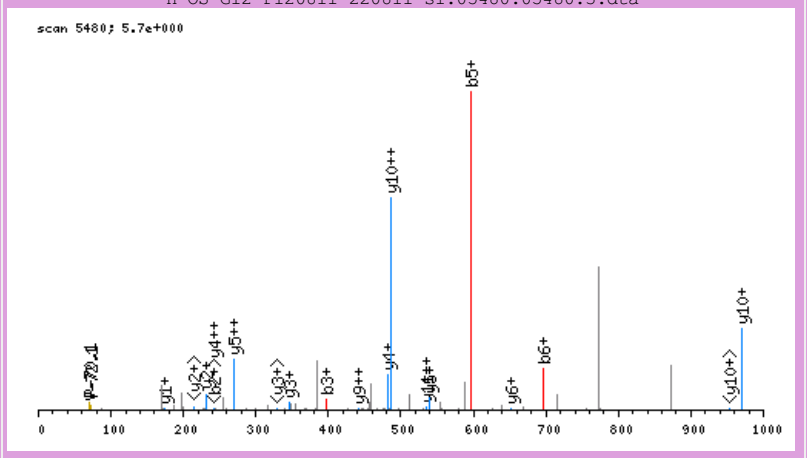
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

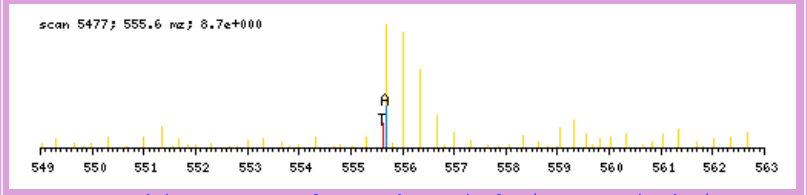
N-term:+29.04

QPHLSVSSAANGHLGR, MH+ 1664.9045, m/z 555.6397
H OS G12 P120811 220811-s1.05480.05480.3.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±]



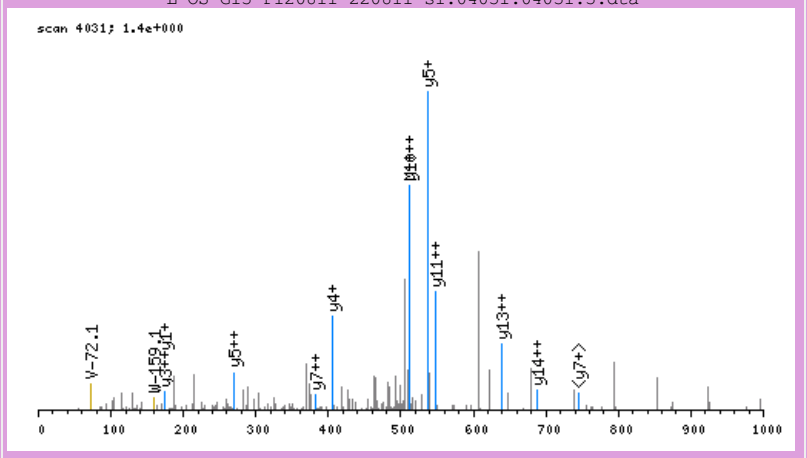
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	16		
260.1822	2	P	15	1502.7828	751.8953
397.2412	3	H	14	1405.7300	703.3689
510.3252	4	L	13	1268.6711	634.8395
597.3572	5	S	12	1155.5871	578.2974
696.4257	6	V	11	1068.5550	**534.7814**
783.4577	7	S	10	**969.4866**	**485.2472**
870.4897	8	S	9	882.4546	**441.7312**
941.5268	9	A	8	795.4226	398.2152
1012.5639	10	A	7	724.3854	362.6966
1126.6069	11	N	6	**653.3483**	327.1781
1183.6283	12	G	5	**539.3054**	**270.1566**
1320.6872	13	H	4	**482.2839**	**241.6459**
1433.7713	14	L	3	**345.2250**	173.1164
1490.7928	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	88.0637

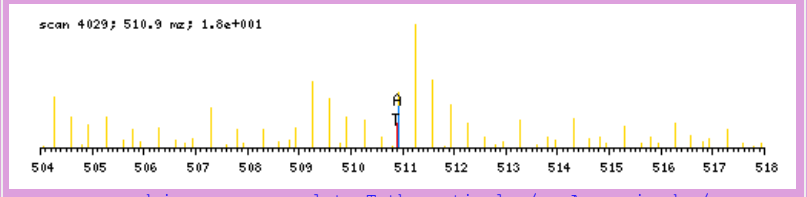
N-term:+35.07

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

QPPSASSSHSMGSSR, MH+ 1530.6971, m/z 510.9039
L OS G13 P120811 220811-s1.04031.04031.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



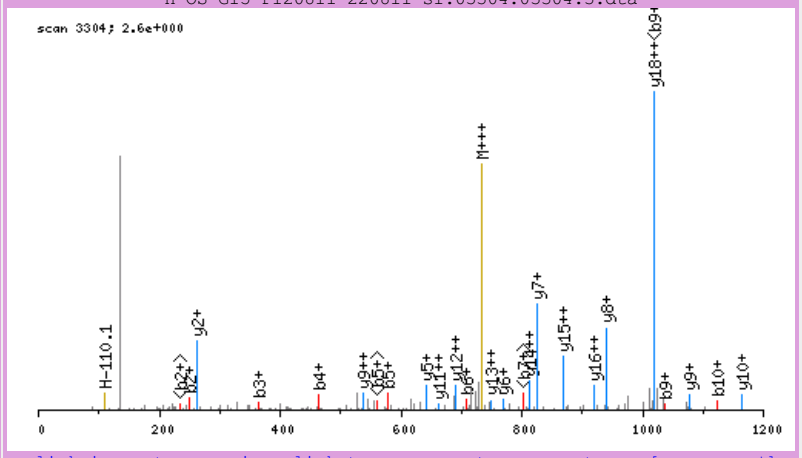
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	15		
254.1504	2	P	14	1374.6072	**687.8075**
351.2032	3	P	13	1277.5544	**639.2811**
438.2352	4	S	12	1180.5017	590.7547
509.2723	5	A	11	1093.4696	**547.2387**
596.3044	6	S	10	1022.4325	**511.7202**
683.3364	7	S	9	935.4005	468.2042
770.3684	8	S	8	848.3685	424.6881
907.4273	9	H	7	761.3364	**381.1721**
994.4594	10	S	6	624.2775	312.6427
1125.4999	11	M	5	**537.2455**	**269.1267**
1182.5213	12	G	4	**406.2050**	203.6064
1269.5533	13	S	3	349.1836	**175.0957**
1356.5854	14	S	2	262.1515	131.5797
	15	R	1	**175.1195**	88.0637

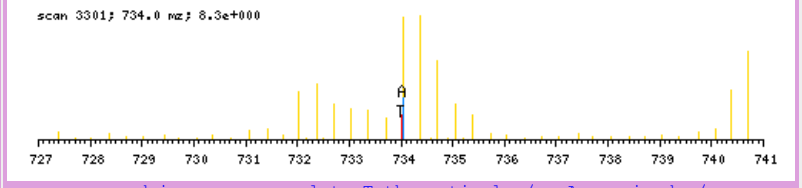
N-term:+29.04

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

QSNVDELGCSHLGQSYESR, MH+ 2200.0152, m/z 734.0099
H OS G15 P120811 220811-s1.03304.03304.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



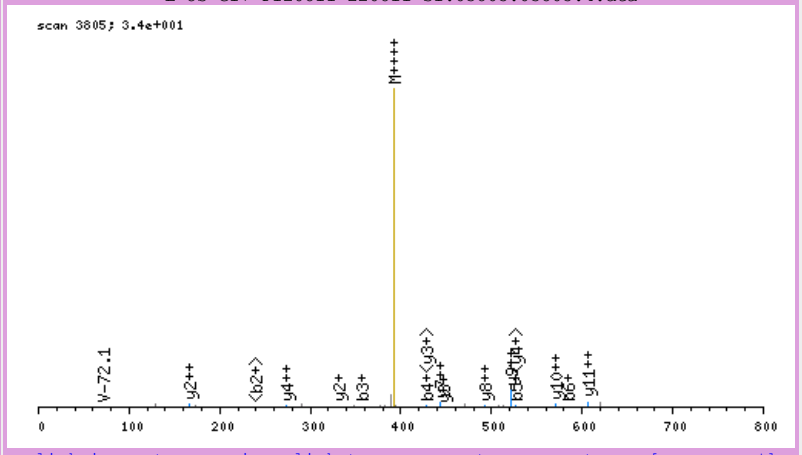
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
163.1295	1	Q	19		
250.1615	2	S	18	2037.8936	**1019.4507**
364.2044	3	N	17	1950.8615	975.9347
463.2728	4	V	16	1836.8186	**918.9132**
578.2998	5	D	15	1737.7502	**869.3790**
707.3424	6	E	14	1622.7232	**811.8655**
820.4264	7	L	13	1493.6807	**747.3442**
877.4479	8	G	12	1380.5966	**690.8022**
1037.4785	9	C	11	1323.5751	**662.2915**
1124.5105	10	S	10	**1163.5445**	582.2762
1261.5695	11	H	9	**1076.5125**	**538.7602**
1374.6535	12	L	8	**939.4536**	470.2307
1431.6750	13	G	7	**826.3695**	413.6887
1559.7336	14	Q	6	**769.3481**	385.1779
1646.7656	15	S	5	**641.2895**	321.1487
1809.8289	16	Y	4	554.2575	277.6326
1938.8715	17	E	3	391.1941	196.1010
2025.9035	18	S	2	**262.1515**	131.5797
	19	R	1	175.1195	88.0637

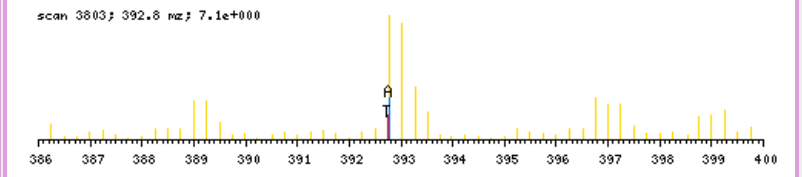
N-term:+35.07 C(9):+160.03

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

QTVAVGVIKAVDKK, MH+ 1568.0152, m/z 392.7593
L OS G17 P120811 220811-s1.03805.03805.4.dta



click image to zoom in; click top corners to zoom out [precursor]



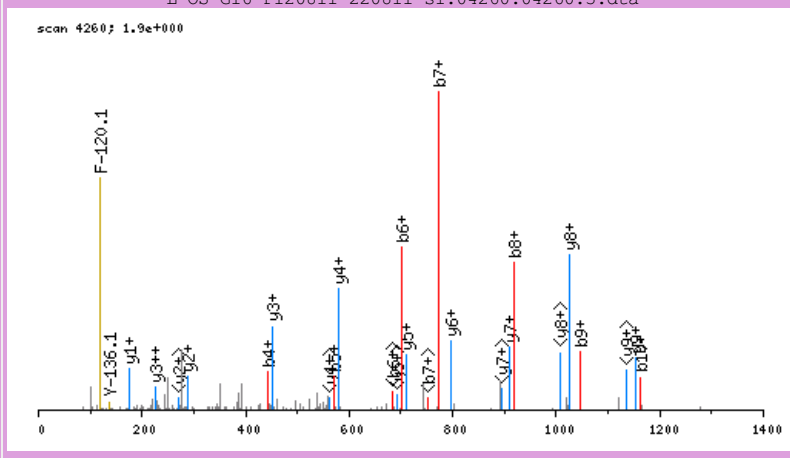
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
157.0977	1	Q	14		
258.1454	2	T	13	1411.9253	706.4666
357.2138	3	V	12	1310.8776	655.9427
428.2509	4	A	11	1211.8092	**606.4085**
527.3193	5	V	10	1140.7721	**570.8900**
584.3408	6	G	9	1041.7037	**521.3558**
683.4092	7	V	8	984.6822	**492.8450**
796.4932	8	I	7	885.6138	**443.3108**
952.6195	9	K	6	772.5298	386.7688
1023.6567	10	A	5	616.4035	308.7056
1122.7251	11	V	4	545.3663	**273.1871**
1237.7520	12	D	3	**446.2979**	223.6529
1393.8783	13	K	2	**331.2710**	**166.1394**
	14	K	1	175.1447	88.0763

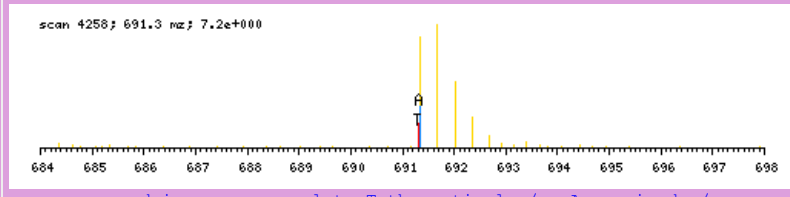
N-term:+29.04 K(9):+156.13
K(13):+156.13 K(14):+156.13

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

RAADEEAFEDNSEEYIR, MH+ 2071.9208, m/z 691.3118
L OS G16 P120811 220811-s1.04260.04260.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



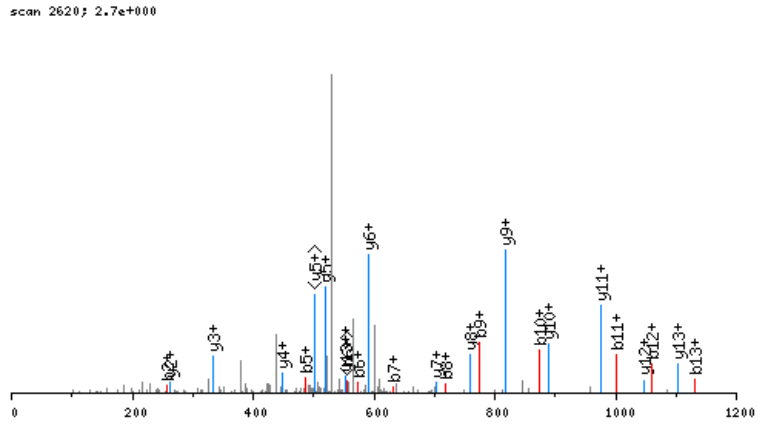
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
256.1773	2	A	16	1887.7885	944.3981
327.2144	3	A	15	1816.7513	908.8796
442.2414	4	D	14	1745.7142	873.3610
571.2840	5	E	13	1630.6873	815.8476
700.3266	6	E	12	1501.6447	751.3263
771.3637	7	A	11	1372.6021	686.8050
918.4321	8	F	10	1301.5650	651.2864
1047.4747	9	E	9	**1154.4966**	577.7522
1162.5016	10	D	8	**1025.4540**	513.2309
1276.5446	11	N	7	**910.4270**	455.7174
1363.5766	12	S	6	**796.3841**	398.6960
1492.6192	13	E	5	**709.3521**	355.1800
1621.6618	14	E	4	**580.3095**	290.6587
1784.7251	15	Y	3	**451.2669**	**226.1374**
1897.8092	16	I	2	**288.2036**	144.6057
	17	R	1	**175.1195**	88.0637

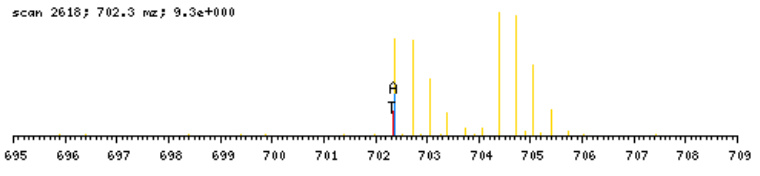
N-term:+29.04

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

RAGSSSGSGVQGASAGGLAADASR, MH+ 2105.0335, m/z 702.3494
L OS G16 P120811 220811-s1.02620.02620.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



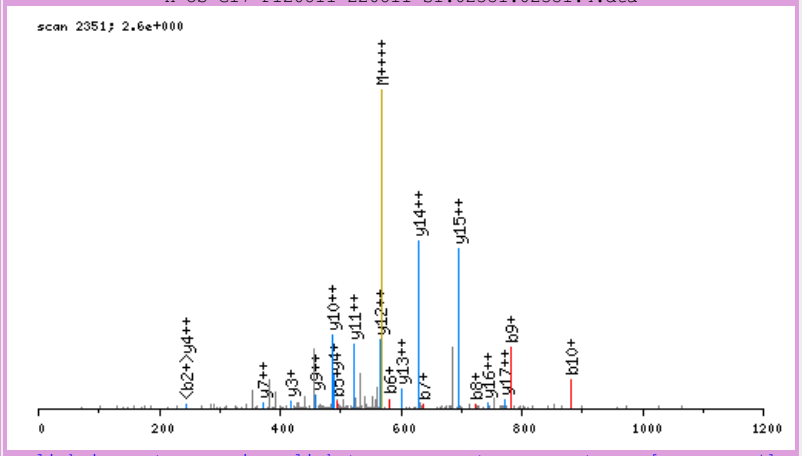
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

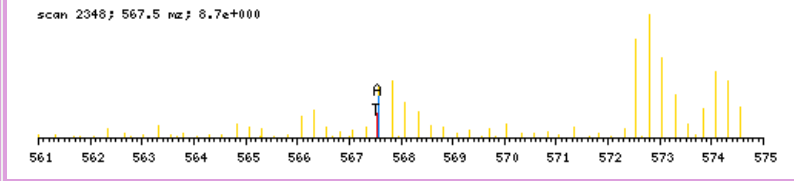
N-term:+29.04

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

RAGSSSGSGVQGASAGGLAADASRR, MH+ 2267.1664, m/z 567.5471
H OS G17 P120811 220811-s1.02351.02351.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



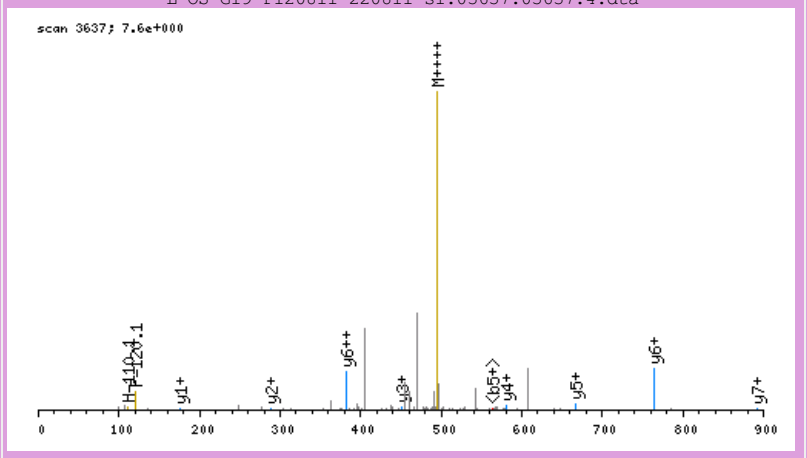
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	25		
262.2091	2	A	24	2077.0022	1039.0050
319.2306	3	G	23	2005.9651	1003.4865
406.2626	4	S	22	1948.9437	974.9757
493.2946	5	S	21	1861.9116	931.4597
580.3267	6	S	20	1774.8796	887.9437
637.3481	7	G	19	1687.8476	844.4277
724.3802	8	S	18	1630.8261	815.9170
781.4016	9	G	17	1543.7941	**772.4010**
880.4700	10	V	16	1486.7726	**743.8902**
1008.5286	11	Q	15	1387.7042	**694.3560**
1065.5501	12	G	14	1259.6456	**630.3267**
1136.5872	13	A	13	1202.6242	**601.8160**
1223.6192	14	S	12	1131.5871	**566.2974**
1294.6563	15	A	11	1044.5550	**522.7814**
1351.6778	16	G	10	973.5179	**487.2629**
1408.6993	17	G	9	916.4965	**458.7521**
1521.7833	18	L	8	859.4750	430.2414
1592.8204	19	A	7	746.3909	**373.6994**
1663.8576	20	A	6	675.3538	338.1808
1778.8845	21	D	5	604.3167	302.6623
1849.9216	22	A	4	**489.2898**	**245.1488**
1936.9536	23	S	3	**418.2526**	209.6302
2093.0548	24	R	2	331.2206	166.1142
	25	R	1	175.1195	88.0637

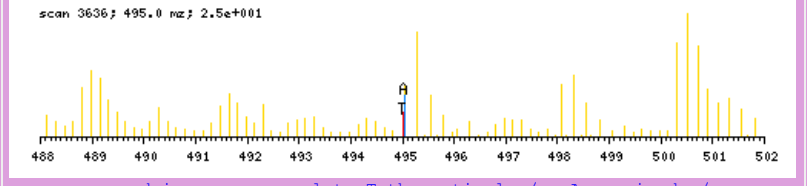
N-term:+35.07

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

RAKVAMSHFEPSEYIR, MH+ 1977.0380, m/z 495.0150
L OS G19 P120811 220811-s1.03637.03637.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



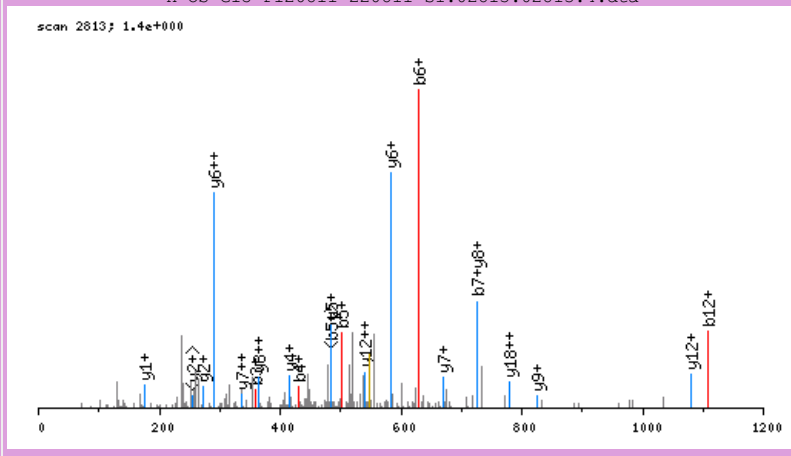
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
256.1773	2	A	15	1792.9057	896.9567
412.3036	3	K	14	1721.8685	861.4382
511.3720	4	V	13	1565.7422	783.3750
582.4092	5	A	12	1466.6738	733.8408
713.4496	6	M	11	1395.6367	698.3223
800.4817	7	S	10	1264.5962	632.8020
937.5406	8	H	9	1177.5642	589.2860
1084.6090	9	F	8	1040.5053	520.7566
1213.6516	10	E	7	**893.4369**	447.2223
1310.7043	11	P	6	**764.3943**	**382.7011**
1397.7364	12	S	5	**667.3415**	334.1747
1526.7790	13	E	4	**580.3095**	290.6587
1689.8423	14	Y	3	**451.2669**	226.1374
1802.9264	15	I	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

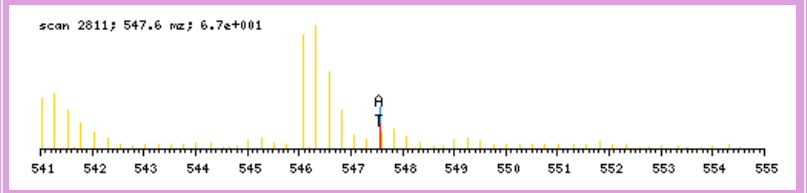
N-term:+29.04 K(3):+156.13

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

RAPAAQPPAAAAPSAVGSPAAAPR, MH+ 2187.2210, m/z 547.5607
H_OS_G15_P120811_220811-s1.02813.02813.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



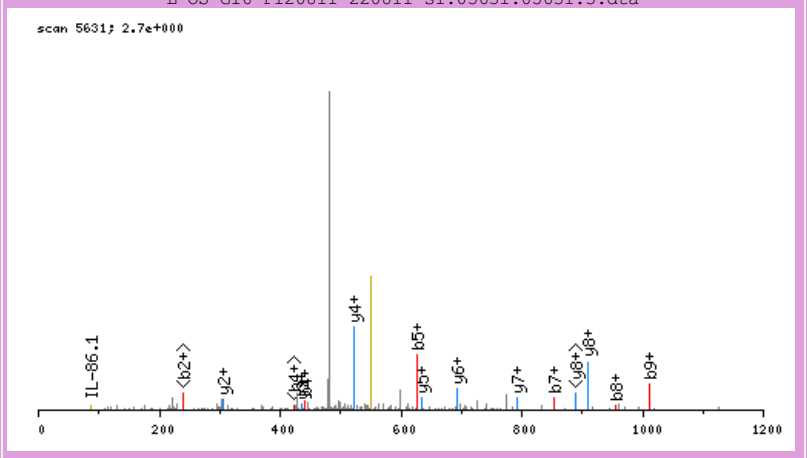
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	24		
262.2091	2	A	23	1997.0568	999.0323
359.2619	3	P	22	1926.0197	963.5138
430.2990	4	A	21	1828.9670	914.9874
501.3361	5	A	20	1757.9299	879.4688
629.3947	6	Q	19	1686.8927	843.9503
726.4475	7	P	18	1558.8342	779.9210
823.5002	8	P	17	1461.7814	731.3946
894.5373	9	A	16	1364.7286	682.8682
965.5744	10	A	15	1293.6915	647.3497
1036.6116	11	A	14	1222.6544	611.8311
1107.6487	12	A	13	1151.6173	576.3126
1204.7014	13	P	12	1080.5802	540.7940
1291.7335	14	S	11	983.5274	492.2676
1362.7706	15	A	10	896.4954	448.7516
1461.8390	16	V	9	825.4583	413.2331
1518.8605	17	G	8	726.3899	363.6988
1605.8925	18	S	7	669.3684	335.1881
1702.9453	19	P	6	582.3364	291.6721
1773.9824	20	A	5	485.2836	243.1457
1845.0195	21	A	4	414.2465	207.6272
1916.0566	22	A	3	343.2094	172.1086
2013.1094	23	P	2	272.1723	136.5900
	24	R	1	175.1195	88.0637

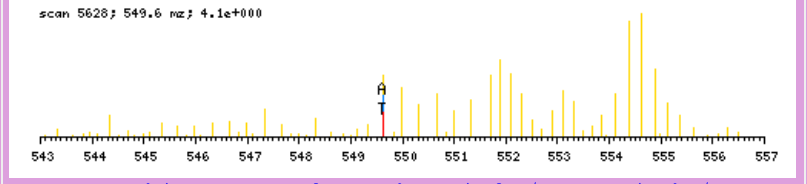
N-term:+35.07

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

RAPSWIDTGLSEMR, MH+ 1646.8324, m/z 549.6157
L OS G16 P120811 220811-s1.05631.05631.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



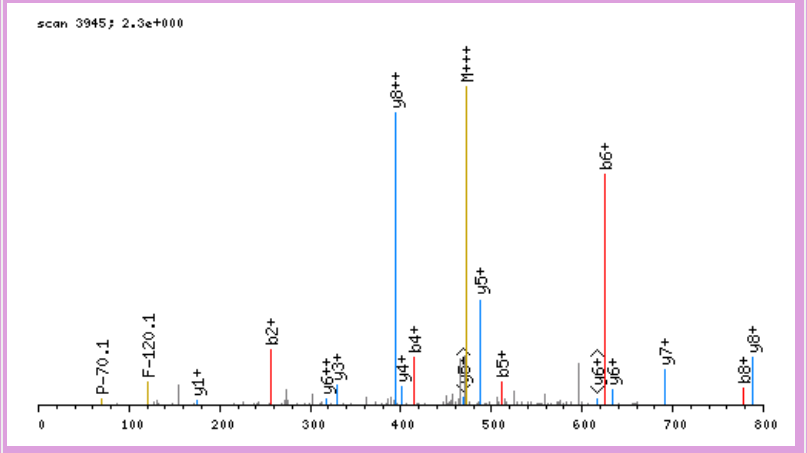
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
256.1773	2	A	13	1462.7000	731.8539
353.2301	3	P	12	1391.6629	696.3354
440.2621	4	S	11	1294.6102	647.8090
626.3414	5	W	10	1207.5781	604.2930
739.4255	6	I	9	1021.4988	511.2533
854.4524	7	D	8	**908.4148**	454.7113
955.5001	8	T	7	**793.3878**	397.1978
1012.5216	9	G	6	**692.3401**	346.6740
1125.6056	10	L	5	**635.3187**	318.1632
1212.6377	11	S	4	**522.2346**	261.6212
1341.6803	12	E	3	**435.2026**	218.1052
1472.7207	13	M	2	**306.1600**	153.5839
	14	R	1	175.1195	88.0637

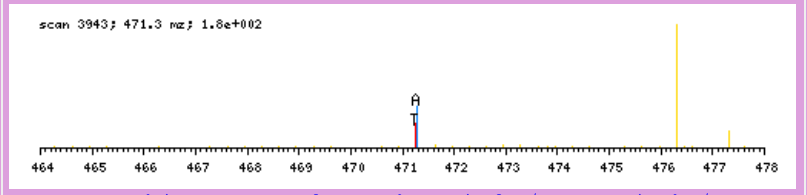
N-term:+29.04

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

RASAPLPGFSAPGR, MH+ 1411.7810, m/z 471.2652
L OS G16 P120811 220811-s1.03945.03945.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



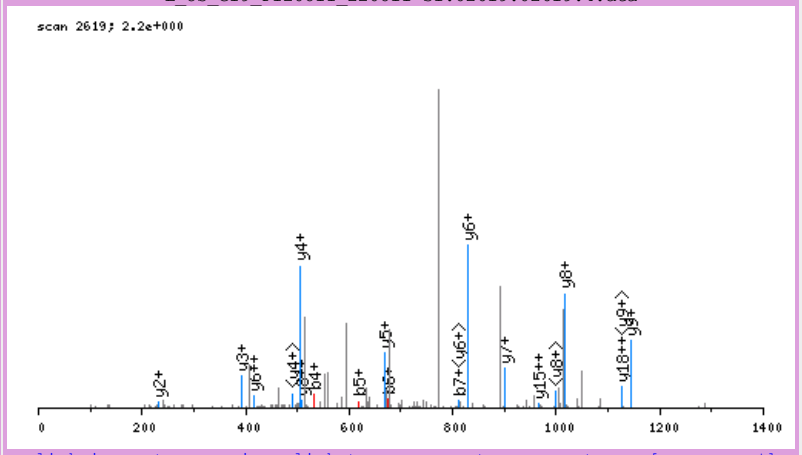
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
256.1773	2	A	13	1227.6486	614.3282
343.2094	3	S	12	1156.6115	578.8097
414.2465	4	A	11	1069.5795	535.2936
511.2992	5	P	10	998.5423	499.7751
624.3833	6	L	9	901.4896	451.2487
721.4361	7	P	8	**788.4055**	**394.7067**
778.4575	8	G	7	**691.3527**	346.1803
925.5259	9	F	6	**634.3313**	**317.6696**
1012.5580	10	S	5	**487.2629**	244.1353
1083.5951	11	A	4	**400.2308**	200.6193
1180.6478	12	P	3	**329.1937**	165.1008
1237.6693	13	G	2	232.1410	116.5744
	14	R	1	**175.1195**	88.0637

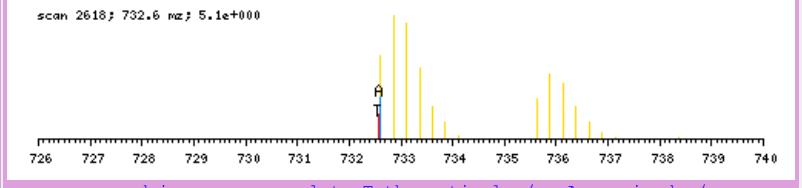
N-term:+29.04

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

RCGESGHLAKDCDLQEDACYNCGR, MH+ 2927.2291, m/z 732.5627
L_OS_G19_P120811_220811-s1.02619.02619.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



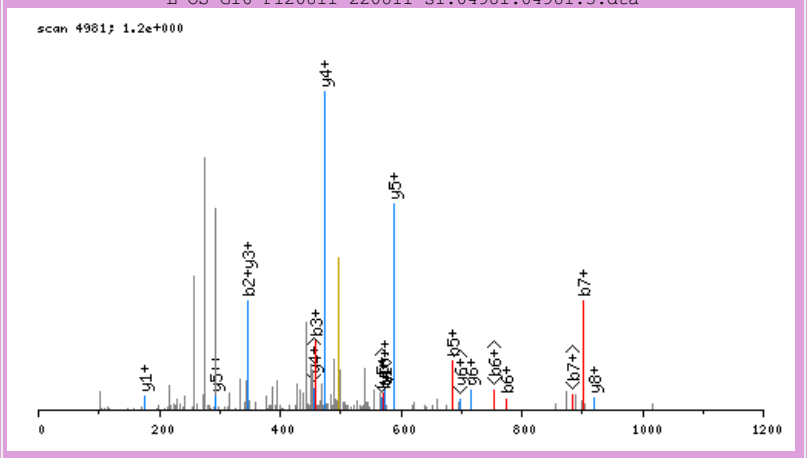
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	24		
345.1708	2	C	23	2743.0967	1372.0523
402.1923	3	G	22	2583.0661	1292.0370
531.2349	4	E	21	2526.0447	1263.5262
618.2669	5	S	20	2397.0021	1199.0050
675.2884	6	G	19	2309.9701	1155.4889
812.3473	7	H	18	2252.9486	**1126.9782**
925.4313	8	L	17	2115.8897	1058.4488
996.4684	9	A	16	2002.8056	1001.9067
1152.5947	10	K	15	1931.7685	**966.3882**
1267.6217	11	D	14	1775.6422	888.3250
1427.6523	12	C	13	1660.6153	830.8115
1542.6792	13	D	12	1500.5847	750.7962
1655.7633	14	L	11	1385.5577	693.2828
1783.8219	15	Q	10	1272.4736	636.7407
1912.8645	16	E	9	**1144.4151**	572.7114
2027.8914	17	D	8	**1015.3725**	**508.1902**
2098.9285	18	A	7	**900.3455**	450.6767
2258.9591	19	C	6	**829.3084**	**415.1581**
2422.0225	20	Y	5	**669.2778**	335.1428
2536.0654	21	N	4	**506.2145**	253.6112
2696.0960	22	C	3	**392.1716**	196.5897
2753.1174	23	G	2	**232.1410**	116.5744
	24	R	1	175.1195	88.0637

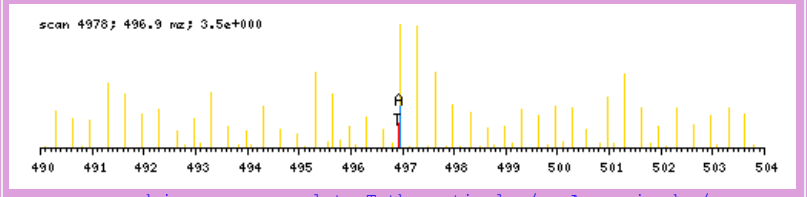
N-term:+29.04 C(2):+160.03
K(10):+156.13 C(12):+160.03
C(19):+160.03 C(22):+160.03

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

RCILDSELEGIR, MH+ 1488.7844, m/z 496.9330
L OS G16 P120811 220811-s1.04981.04981.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



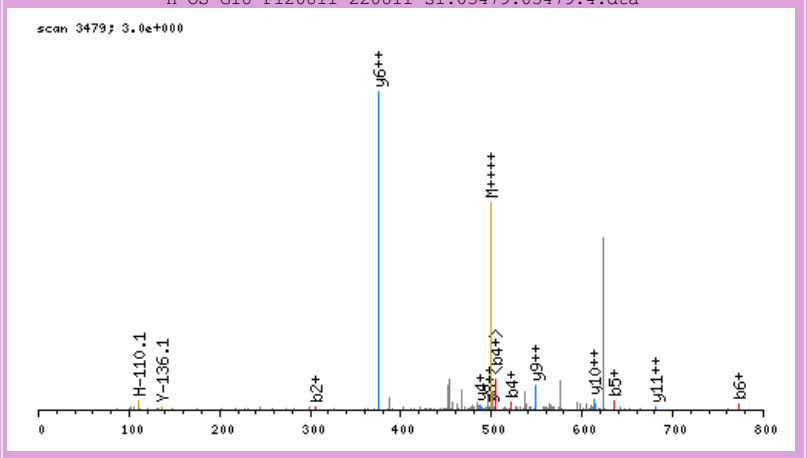
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
345.1708	2	C	11	1304.6520	652.8299
458.2549	3	I	10	1144.6214	**572.8146**
571.3389	4	L	9	1031.5373	516.2726
686.3659	5	D	8	**918.4533**	459.7305
773.3979	6	S	7	803.4263	402.2171
902.4405	7	E	6	**716.3943**	358.7011
1015.5246	8	L	5	**587.3517**	**294.1798**
1144.5672	9	E	4	**474.2676**	237.6377
1201.5886	10	G	3	**345.2250**	173.1164
1314.6727	11	I	2	288.2036	144.6057
	12	R	1	**175.1195**	88.0637

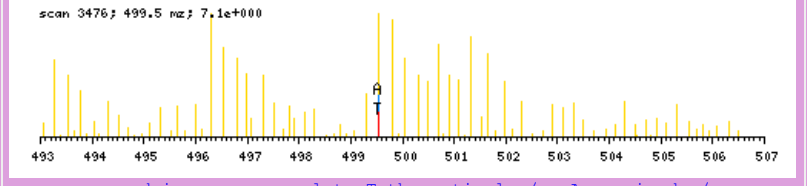
N-term:+29.04 C(2):+160.03

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

RDDTLHETEDVKEAIR, MH+ 1995.0783, m/z 499.5250
H_OS_G18_P120811_220811-s1.03479.03479.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



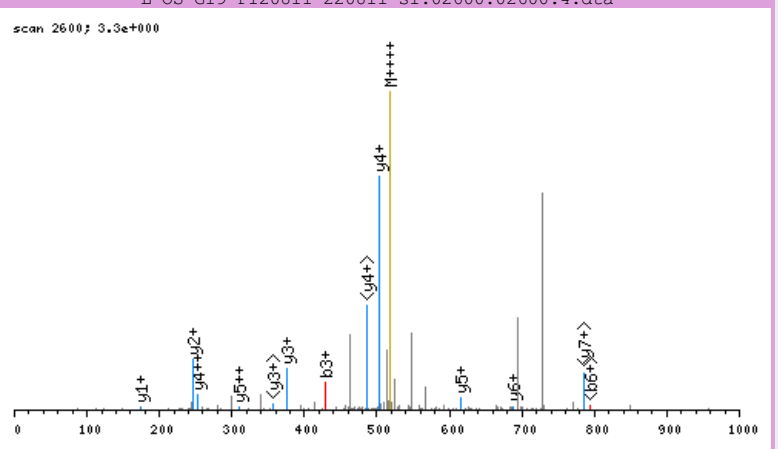
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	16		
306.1990	2	D	15	1804.9141	902.9610
421.2259	3	D	14	1689.8872	845.4475
522.2736	4	T	13	1574.8602	787.9340
635.3576	5	L	12	1473.8126	737.4102
772.4166	6	H	11	1360.7285	**680.8682**
901.4591	7	E	10	1223.6696	**612.3387**
1002.5068	8	T	9	1094.6270	**547.8174**
1131.5494	9	E	8	993.5793	**497.2936**
1246.5764	10	D	7	864.5367	432.7723
1345.6448	11	V	6	749.5098	**375.2588**
1507.8029	12	K	5	650.4414	325.7246
1636.8455	13	E	4	**488.2833**	244.6455
1707.8826	14	A	3	359.2407	180.1243
1820.9666	15	I	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

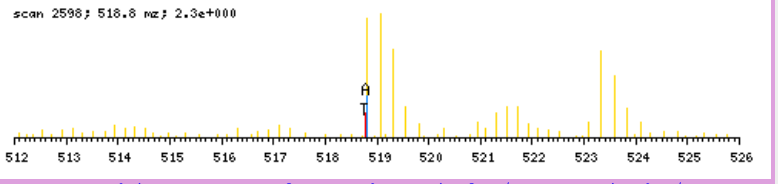
N-term:+35.07 K(12):+162.16

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

RDEAKKLEESDALQEAR, MH+ 2072.0988, m/z 518.7802
L OS G19 P120811 220811-s1.02600.02600.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



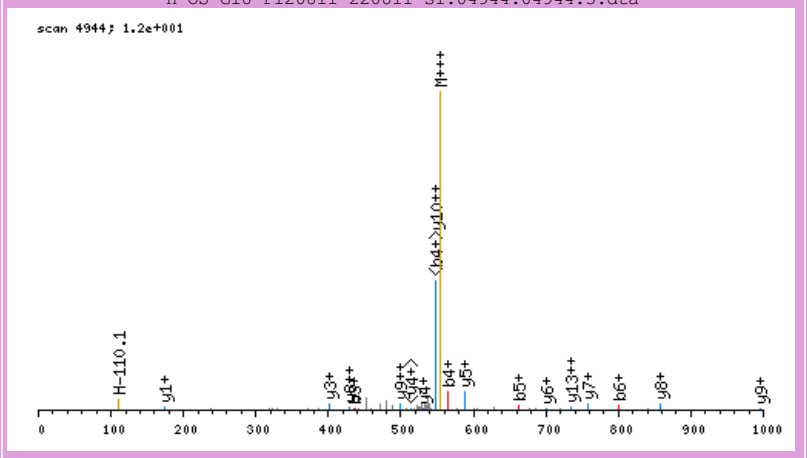
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
300.1672	2	D	16	1887.9664	944.4871
429.2097	3	E	15	1772.9395	886.9737
500.2469	4	A	14	1643.8969	822.4524
656.3732	5	K	13	1572.8598	786.9338
812.4995	6	K	12	1416.7335	708.8707
925.5835	7	L	11	1260.6072	630.8075
1054.6261	8	E	10	1147.5231	574.2655
1183.6687	9	E	9	1018.4805	509.7442
1270.7007	10	S	8	889.4379	445.2229
1385.7277	11	D	7	802.4059	401.7069
1456.7648	12	A	6	**687.3790**	344.1934
1569.8489	13	L	5	**616.3418**	**308.6748**
1697.9074	14	Q	4	**503.2578**	**252.1328**
1826.9500	15	E	3	**375.1992**	188.1035
1897.9871	16	A	2	**246.1566**	123.5822
	17	R	1	**175.1195**	88.0637

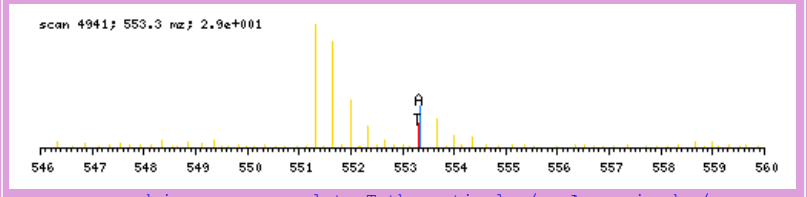
N-term:+29.04 K(5):+156.13
K(6):+156.13

RDEEVHTGLGELLR, MH+ 1657.9085, m/z 553.3077
H_OS_G18_P120811_220811-s1.04944.04944.3.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±]



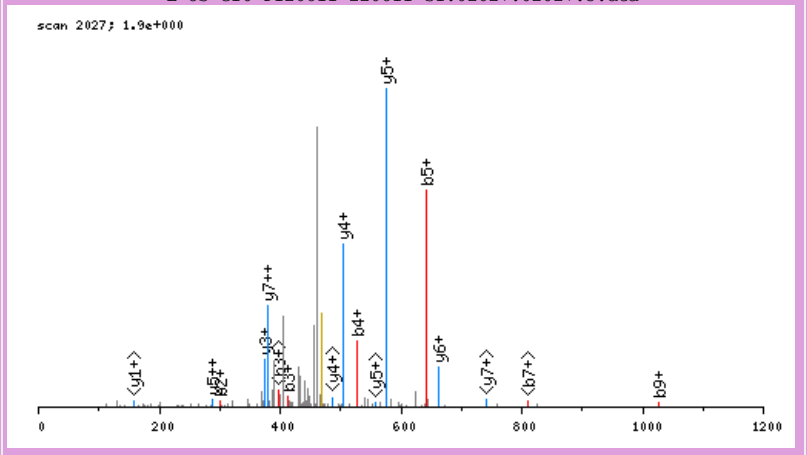
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	14		
306.1990	2	D	13	1467.7443	**734.3761**
435.2415	3	E	12	1352.7174	676.8626
564.2841	4	E	11	1223.6748	612.3413
663.3526	5	V	10	1094.6322	**547.8200**
800.4115	6	H	9	**995.5638**	**498.2858**
901.4591	7	T	8	**858.5049**	**429.7564**
958.4806	8	G	7	**757.4572**	379.2325
1071.5647	9	L	6	**700.4357**	350.7218
1128.5861	10	G	5	**587.3517**	294.1798
1257.6287	11	E	4	**530.3302**	265.6690
1370.7128	12	L	3	**401.2876**	201.1477
1483.7969	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

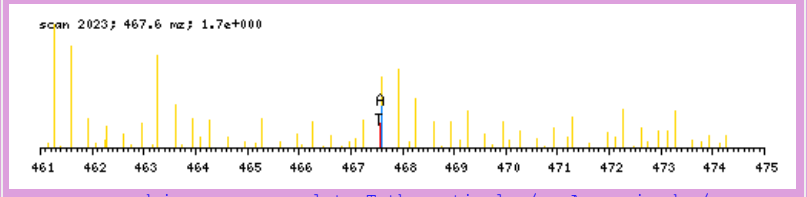
N-term:+35.07

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

RDIDNPSAEAER, MH+ 1400.6770, m/z 467.5638
L OS G16 P120811 220811-s1.02027.02027.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



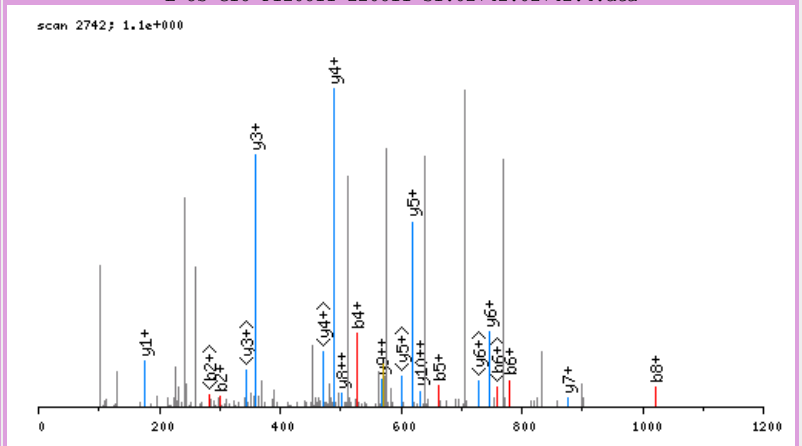
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
300.1672	2	D	11	1216.5446	608.7762
413.2512	3	I	10	1101.5176	551.2627
528.2782	4	D	9	988.4336	494.7207
642.3211	5	N	8	873.4066	437.2072
739.3739	6	P	7	759.3637	380.1858
826.4059	7	S	6	662.3109	331.6594
897.4430	8	A	5	575.2789	288.1434
1026.4856	9	E	4	504.2418	252.6248
1097.5227	10	A	3	375.1992	188.1035
1226.5653	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

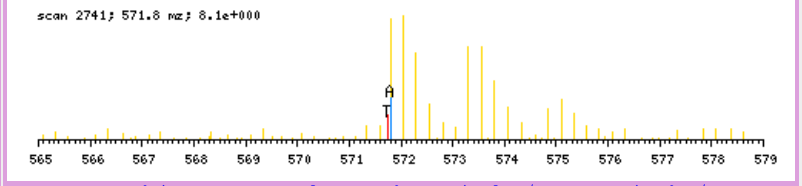
N-term:+29.04

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

RDLIHDQDEEEEEEEGQR, MH+ 2283.9965, m/z 571.7546
L OS G18 P120811 220811-s1.02742.02742.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



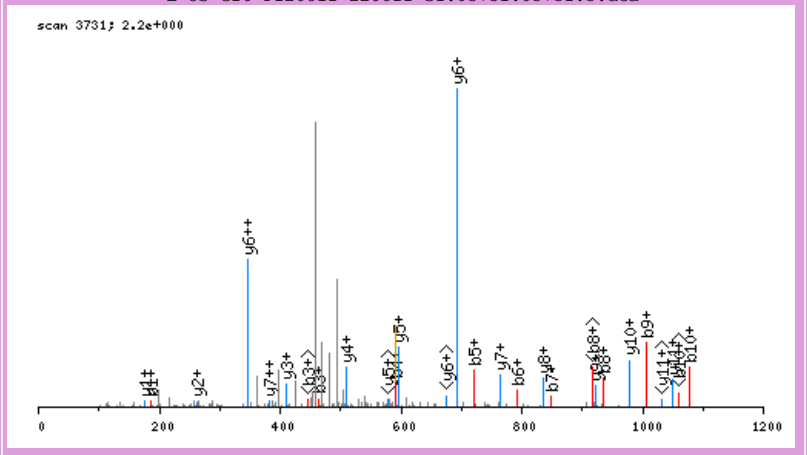
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	18		
300.1672	2	D	17	2099.8641	1050.4360
413.2512	3	L	16	1984.8372	992.9225
526.3353	4	I	15	1871.7531	936.3805
663.3942	5	H	14	1758.6691	879.8384
778.4211	6	D	13	1621.6102	811.3090
906.4797	7	Q	12	1506.5832	753.7955
1021.5067	8	D	11	1378.5246	689.7662
1150.5493	9	E	10	1263.4977	**632.2528**
1279.5918	10	E	9	1134.4551	**567.7315**
1408.6344	11	E	8	1005.4125	**503.2102**
1537.6770	12	E	7	**876.3699**	438.6889
1666.7196	13	E	6	**747.3273**	374.1676
1795.7622	14	E	5	**618.2847**	309.6463
1924.8048	15	E	4	**489.2421**	245.1250
1981.8263	16	G	3	**360.1995**	180.6037
2109.8849	17	Q	2	303.1781	152.0930
	18	R	1	**175.1195**	88.0637

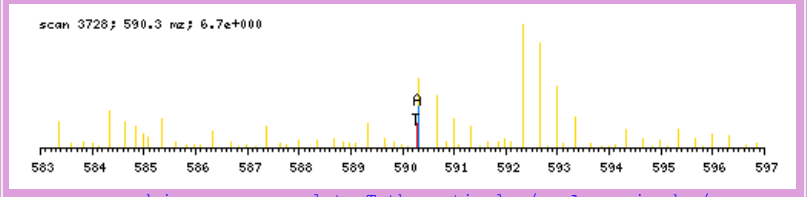
N-term:+29.04

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

RDYEQAGSAAPSVFSR, MH+ 1768.8618, m/z 590.2921
L OS G16 P120811 220811-s1.03731.03731.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

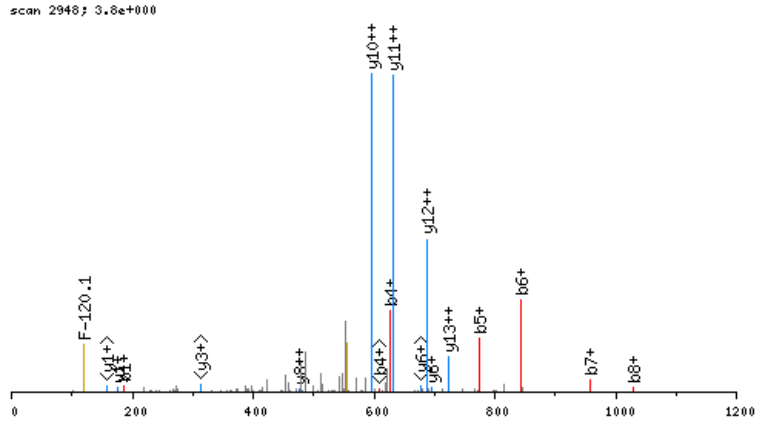


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

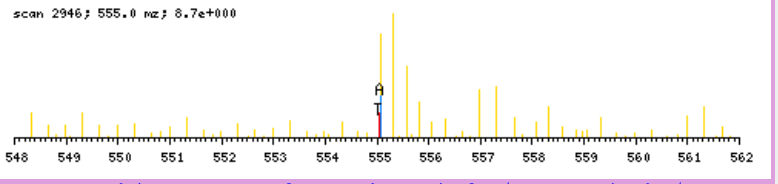
b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
300.1672	2	D	15	1584.7294	792.8686
463.2305	3	Y	14	1469.7025	735.3552
592.2731	4	E	13	1306.6392	653.8235
720.3317	5	Q	12	1177.5966	589.3022
791.3688	6	A	11	1049.5380	525.2729
848.3902	7	G	10	978.5009	489.7543
935.4223	8	S	9	921.4794	461.2436
1006.4594	9	A	8	834.4474	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

RDYYFALAHTVRDHLVGR, MH+ 2217.1681, m/z 555.0475
L OS G15 P120811 220811-s1.02948.02948.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

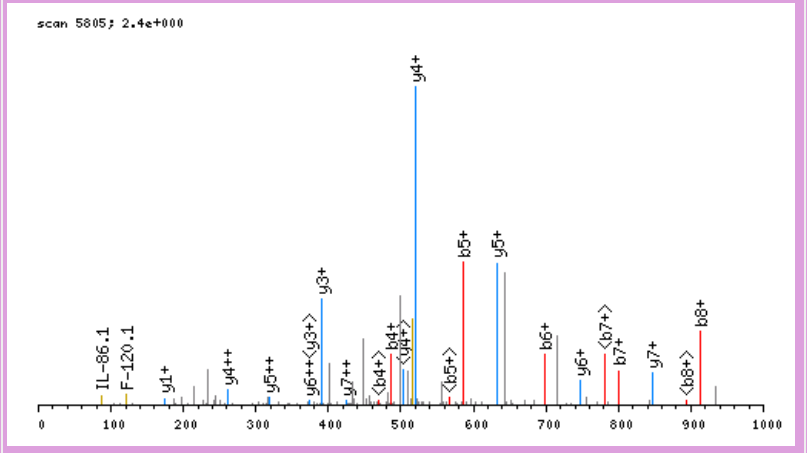
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
185.1402	**1**	**R**	**18**		
300.1672	**2**	**D**	**17**	2033.0357	1017.0218
463.2305	**3**	**Y**	**16**	1918.0088	959.5083
626.2938	**4**	**Y**	**15**	1754.9454	877.9766
773.3622	**5**	**F**	**14**	1591.8821	796.4450
844.3993	**6**	**A**	**13**	1444.8137	**722.9108**
957.4834	**7**	**L**	**12**	1373.7766	**687.3922**
1028.5205	**8**	**A**	**11**	1260.6925	**630.8502**
1165.5794	**9**	**H**	**10**	1189.6554	**595.3316**
1266.6271	**10**	**T**	**9**	1052.5965	526.8022
1365.6955	**11**	**V**	**8**	951.5488	**476.2783**
1521.7966	**12**	**R**	**7**	852.4804	426.7441
1636.8236	**13**	**D**	**6**	**696.3793**	348.6936
1773.8825	**14**	**H**	**5**	581.3524	291.1801
1886.9666	**15**	**L**	**4**	444.2934	222.6506
1986.0350	**16**	**V**	**3**	331.2094	166.1086
2043.0564	**17**	**G**	**2**	232.1410	116.5744
	18	**R**	**1**	**175.1195**	88.0637

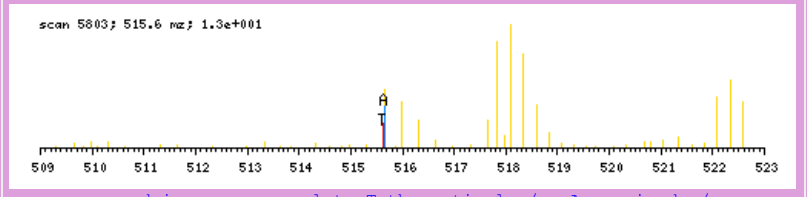
N-term:+29.04

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

REGDVLTLLESER, MH+ 1544.8284, m/z 515.6143
L OS G16 P120811 220811-s1.05805.05805.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



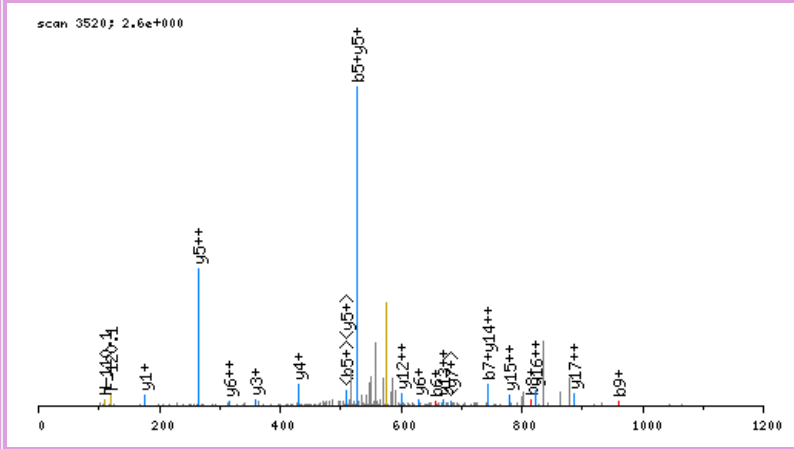
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

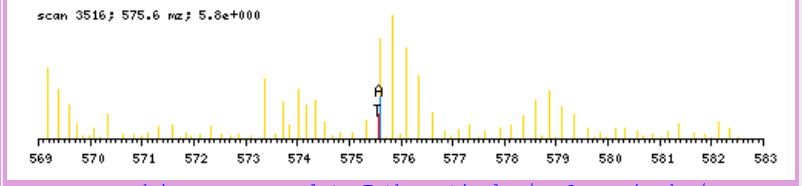
N-term:+29.04

REGGVESAFHKTTSGATPAAIR, MH+ 2299.2159, m/z 575.5594
L OS G18 P120811 220811-s1.03520.03520.4.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±]



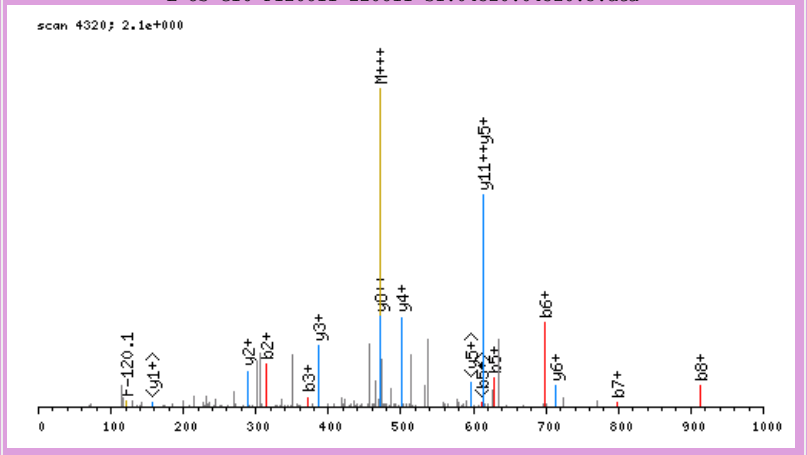
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	22		
314.1828	2	E	21	2115.0835	1058.0457
371.2043	3	G	20	1986.0409	993.5244
428.2257	4	G	19	1929.0194	965.0136
527.2941	5	V	18	1871.9980	936.5029
656.3367	6	E	17	1772.9296	**886.9687**
743.3688	7	S	16	1643.8870	**822.4474**
814.4059	8	A	15	1556.8549	**778.9314**
961.4743	9	F	14	1485.8178	**743.4128**
1098.5332	10	H	13	1338.7494	**669.8786**
1254.6595	11	K	12	1201.6905	**601.3492**
1355.7072	12	T	11	1045.5642	523.2860
1456.7549	13	T	10	944.5165	472.7622
1543.7869	14	S	9	843.4688	422.2383
1600.8084	15	G	8	756.4368	378.7223
1671.8455	16	A	7	699.4153	350.2116
1772.8931	17	T	6	**628.3782**	**314.6930**
1869.9459	18	P	5	**527.3306**	**264.1692**
1940.9830	19	A	4	**430.2778**	215.6428
2012.0201	20	A	3	**359.2407**	180.1243
2125.1042	21	I	2	288.2036	144.6057
	22	R	1	**175.1195**	88.0637

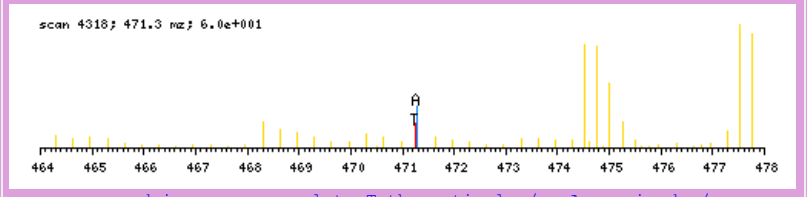
N-term:+29.04 K(11):+156.13

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

REGPCAVNLVLR, MH+ 1411.7843, m/z 471.2663
L OS G16 P120811 220811-s1.04320.04320.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



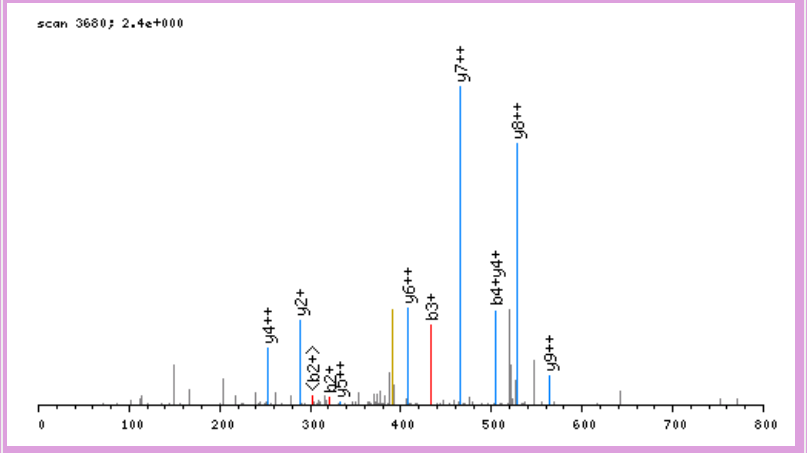
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

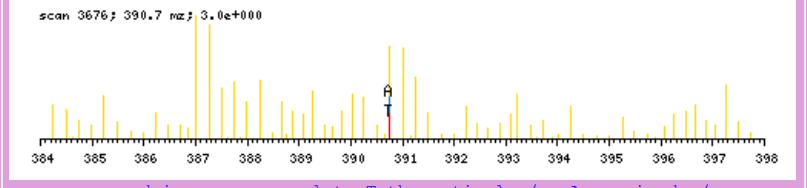
N-term:+29.04 C(5):+160.03

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

REIAQDFKTDLR, MH+ 1559.9182, m/z 390.7350
H OS G18 P120811 220811-s1.03680.03680.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



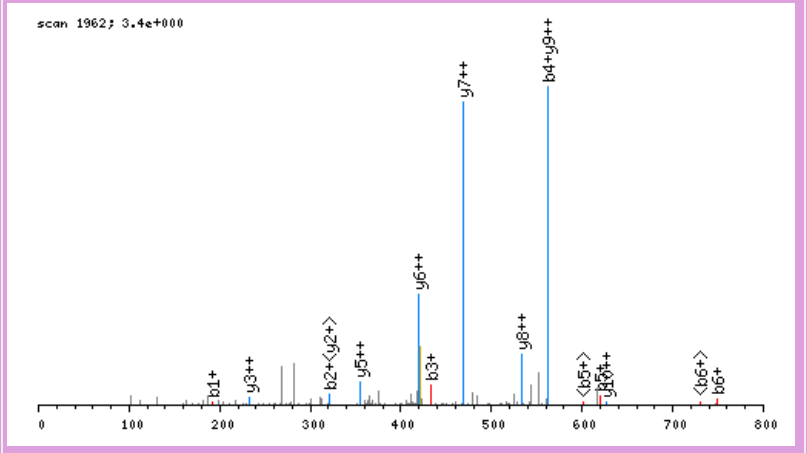
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	12		
320.2146	2	E	11	1369.7540	685.3809
433.2987	3	I	10	1240.7114	620.8596
504.3358	4	A	9	1127.6273	**564.3176**
632.3944	5	Q	8	1056.5902	**528.7990**
747.4213	6	D	7	928.5316	**464.7697**
894.4897	7	F	6	813.5047	**407.2563**
1056.6478	8	K	5	666.4363	**333.7221**
1157.6955	9	T	4	**504.2782**	**252.6430**
1272.7224	10	D	3	403.2305	202.1192
1385.8065	11	L	2	**288.2036**	144.6057
	12	R	1	175.1195	88.0637

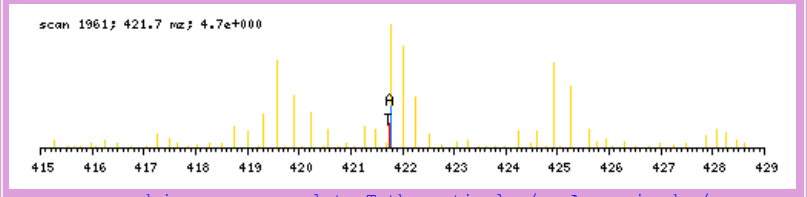
N-term:+35.07 K(8):+162.16

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

RELEGEVENEQKR, MH+ 1683.9302, m/z 421.7380
H OS G18 P120811 220811-s1.01962.01962.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



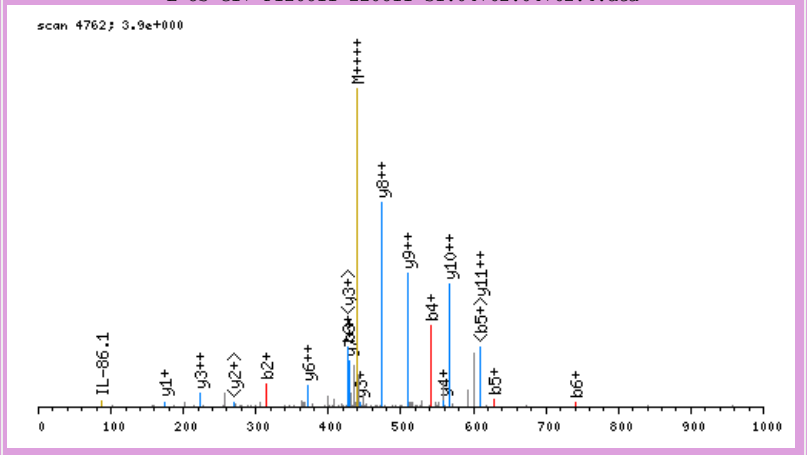
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	**1**	**R**	**13**		
320.2146	**2**	**E**	**12**	1493.7660	747.3869
433.2987	**3**	**L**	**11**	1364.7234	682.8656
562.3413	**4**	**E**	**10**	1251.6394	**626.3236**
619.3627	**5**	**G**	**9**	1122.5968	**561.8023**
748.4053	**6**	**E**	**8**	1065.5753	**533.2916**
847.4737	**7**	**V**	**7**	936.5327	**468.7703**
976.5163	**8**	**E**	**6**	837.4643	**419.2361**
1090.5593	**9**	**N**	**5**	708.4217	**354.7148**
1219.6018	**10**	**E**	**4**	594.3788	297.6933
1347.6604	**11**	**Q**	**3**	465.3362	**233.1720**
1509.8185	**12**	**K**	**2**	337.2776	169.1427
	13	**R**	**1**	175.1195	88.0637

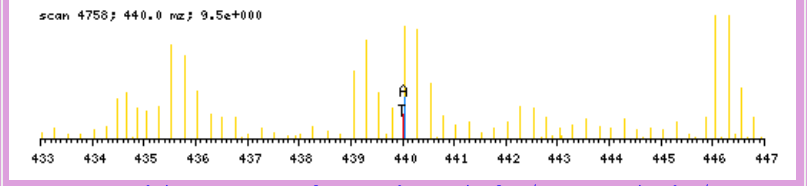
N-term:+35.07 K(12):+162.16

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

RELISNASDALDKIR, MH+ 1756.9921, m/z 440.0035
L OS G17 P120811 220811-s1.04762.04762.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



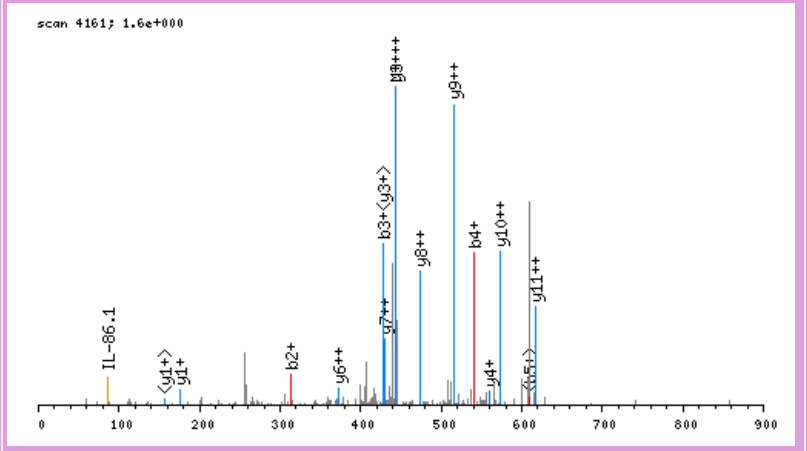
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
314.1828	2	E	14	1572.8597	786.9338
427.2669	3	L	13	1443.8172	722.4125
540.3509	4	I	12	1330.7331	665.8705
627.3830	5	S	11	1217.6490	**609.3284**
741.4259	6	N	10	1130.6170	**565.8124**
812.4630	7	A	9	1016.5741	**508.7909**
899.4950	8	S	8	945.5370	**473.2724**
1014.5220	9	D	7	858.5049	**429.7564**
1085.5591	10	A	6	743.4780	**372.2429**
1198.6432	11	L	5	672.4409	336.7243
1313.6701	12	D	4	**559.3568**	280.1823
1469.7964	13	K	3	**444.3299**	**222.6688**
1582.8805	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

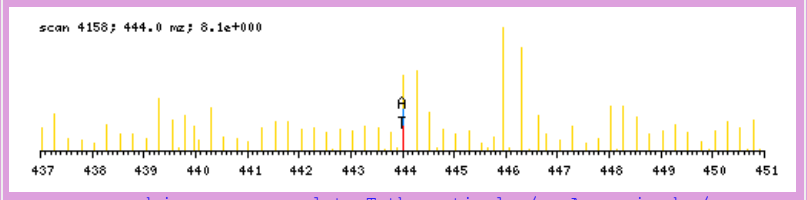
N-term:+29.04 K(13):+156.13

RELISNSSDALDKIR, MH+ 1772.9870, m/z 444.0022
L OS G17 P120811 220811-s1.04161.04161.4.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±]



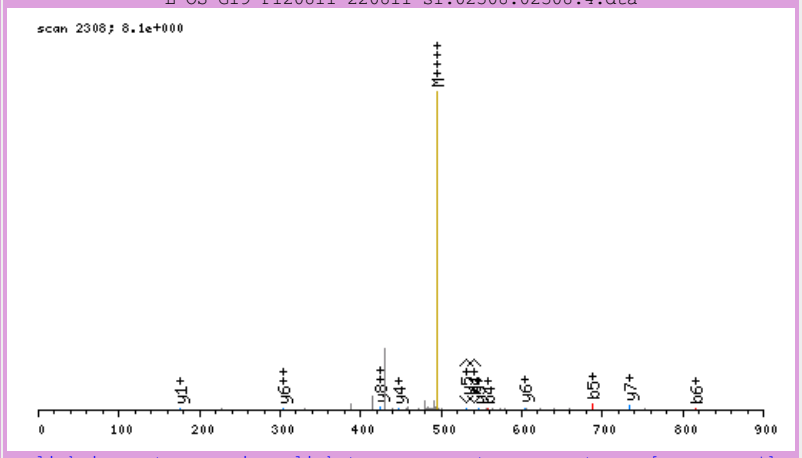
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
314.1828	2	E	14	1588.8547	794.9312
427.2669	3	L	13	1459.8121	730.4099
540.3509	4	I	12	1346.7280	673.8679
627.3830	5	S	11	1233.6439	**617.3259**
741.4259	6	N	10	1146.6119	**573.8099**
828.4579	7	S	9	1032.5690	**516.7884**
915.4899	8	S	8	945.5370	**473.2724**
1030.5169	9	D	7	858.5049	**429.7564**
1101.5540	10	A	6	743.4780	**372.2429**
1214.6381	11	L	5	672.4409	336.7243
1329.6650	12	D	4	**559.3568**	280.1823
1485.7913	13	K	3	**444.3299**	222.6688
1598.8754	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	88.0637

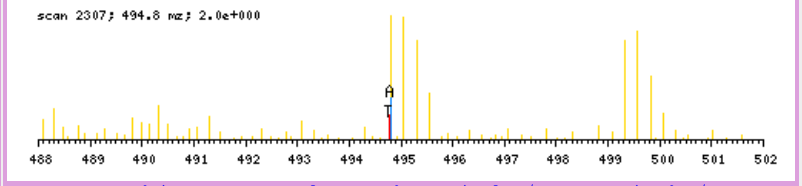
N-term:+29.04 K(13):+156.13

RELMEEKKDEGTGTLR, MH+ 1976.0487, m/z 494.7676
L OS G19 P120811 220811-s1.02308.02308.4.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±]



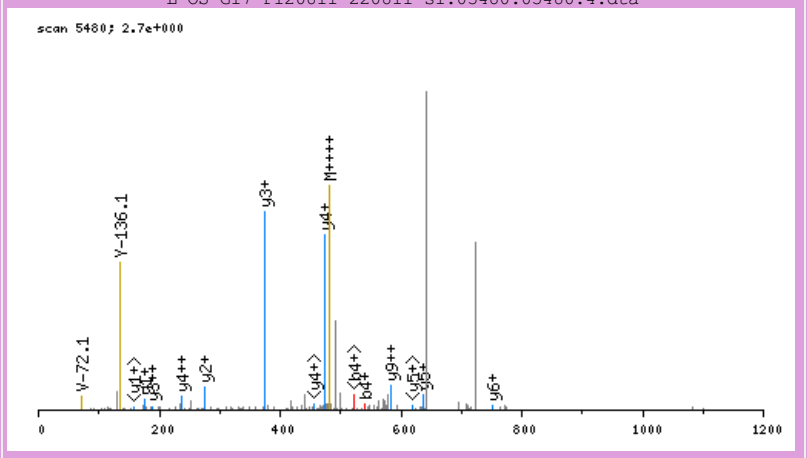
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
314.1828	2	E	15	1791.9163	896.4621
427.2669	3	L	14	1662.8737	831.9408
558.3074	4	M	13	1549.7897	775.3987
687.3499	5	E	12	1418.7492	709.8785
816.3925	6	E	11	1289.7066	645.3572
972.5188	7	K	10	1160.6640	580.8359
1128.6451	8	K	9	1004.5377	502.7728
1243.6721	9	D	8	848.4114	**424.7096**
1372.7147	10	E	7	**733.3844**	367.1961
1429.7361	11	G	6	**604.3418**	**302.6748**
1530.7838	12	T	5	**547.3204**	274.1641
1587.8053	13	G	4	**446.2727**	223.6403
1688.8530	14	T	3	389.2512	195.1295
1801.9370	15	L	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

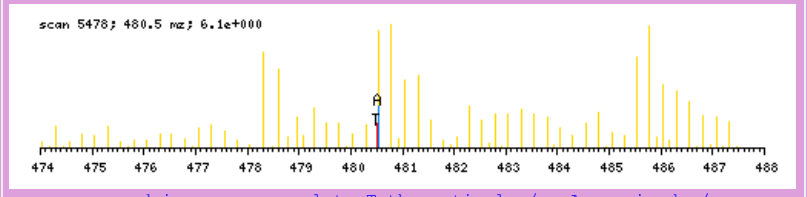
N-term:+29.04 K(7):+156.13
K(8):+156.13

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

REPEGKEVWDYVTVR, MH+ 1919.0027, m/z 480.5061
L OS G17 P120811 220811-s1.05480.05480.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



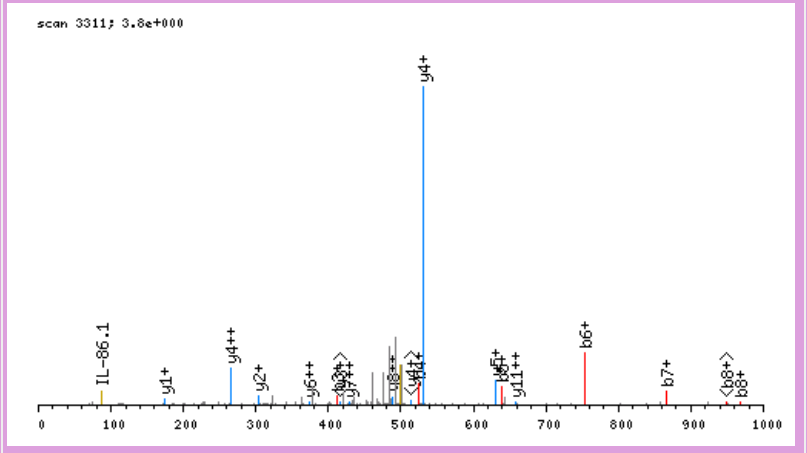
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
314.1828	2	E	14	1734.8703	867.9391
411.2356	3	P	13	1605.8277	803.4178
540.2782	4	E	12	1508.7750	754.8914
597.2996	5	G	11	1379.7324	690.3701
753.4259	6	K	10	1322.7109	661.8594
882.4685	7	E	9	1166.5846	**583.7962**
981.5369	8	V	8	1037.5420	519.2749
1167.6162	9	W	7	938.4736	469.7407
1282.6432	10	D	6	**752.3943**	376.7011
1445.7065	11	Y	5	**637.3673**	319.1876
1544.7749	12	V	4	**474.3040**	**237.6559**
1645.8226	13	T	3	**375.2356**	**188.1217**
1744.8910	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

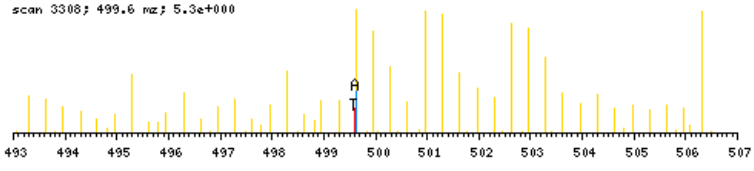
N-term:+29.04 K(6):+156.13

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

REPIDNLTPEER, MH+ 1496.7709, m/z 499.5951
L OS G16 P120811 220811-s1.03311.03311.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



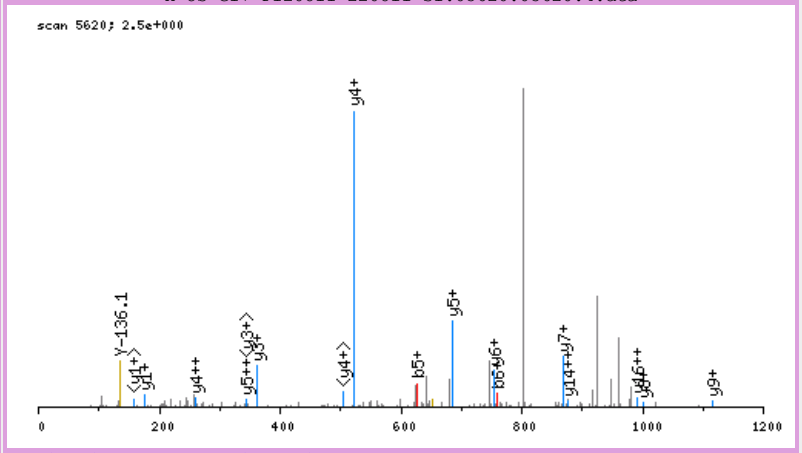
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
314.1828	2	E	11	1312.6385	**656.8232**
411.2356	3	P	10	1183.5959	592.3019
524.3196	4	I	9	1086.5431	543.7755
639.3466	5	D	8	973.4591	**487.2334**
753.3895	6	N	7	858.4321	**429.7200**
866.4736	7	L	6	744.3892	**372.6985**
967.5212	8	T	5	**631.3051**	316.1565
1064.5740	9	P	4	**530.2575**	**265.6326**
1193.6166	10	E	3	433.2047	217.1063
1322.6592	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

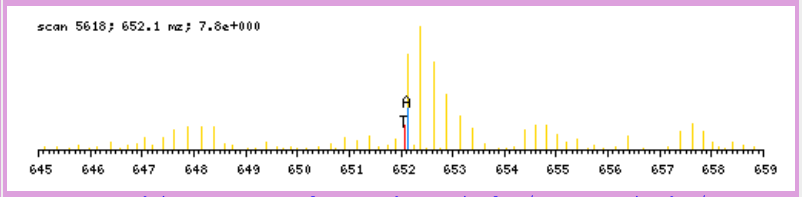
N-term:+29.04

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

REPPIMVTKQLEDMNAYCGER, MH+ 2605.3212, m/z 652.0858
H OS G17 P120811 220811-s1.05620.05620.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



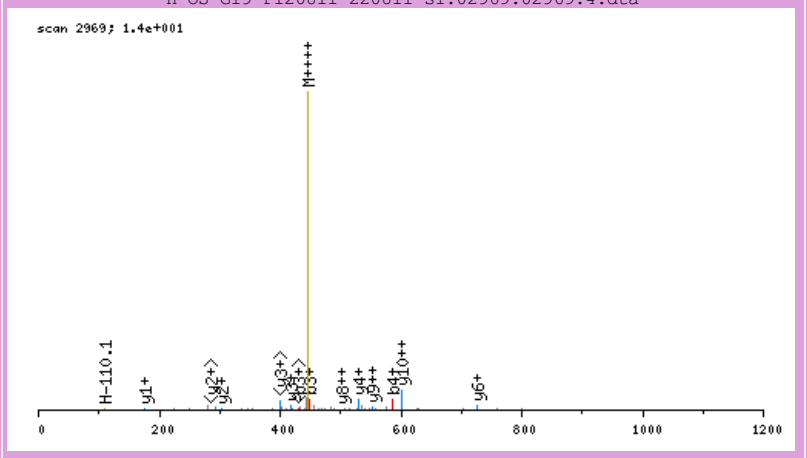
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	21		
320.2146	2	E	20	2415.1571	1208.0824
417.2674	3	P	19	2286.1145	1143.5611
514.3201	4	P	18	2189.0617	1095.0348
627.4042	5	I	17	2092.0089	1046.5084
758.4447	6	M	16	1978.9249	**989.9663**
857.5131	7	V	15	1847.8844	924.4461
958.5608	8	T	14	1748.8160	**874.9119**
1120.7189	9	K	13	1647.7683	824.3881
1248.7775	10	Q	12	1485.6102	743.3090
1361.8615	11	L	11	1357.5516	679.2797
1490.9041	12	E	10	1244.4675	622.7377
1605.9311	13	D	9	**1115.4250**	558.2164
1736.9715	14	M	8	**1000.3980**	500.7029
1851.0145	15	N	7	**869.3575**	435.1827
1922.0516	16	A	6	**755.3146**	378.1612
2085.1149	17	Y	5	**684.2775**	**342.6427**
2245.1455	18	C	4	**521.2142**	**261.1110**
2302.1670	19	G	3	**361.1836**	181.0957
2431.2096	20	E	2	304.1621	152.5850
	21	R	1	**175.1195**	88.0637

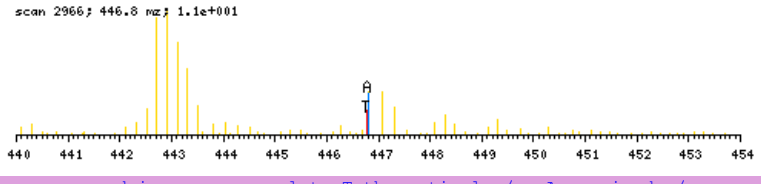
N-term:+35.07 K(9):+162.16
C(18):+160.03

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

REQHPTKIPVIIER, MH+ 1784.1183, m/z 446.7850
H OS G19 P120811 220811-s1.02969.02969.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



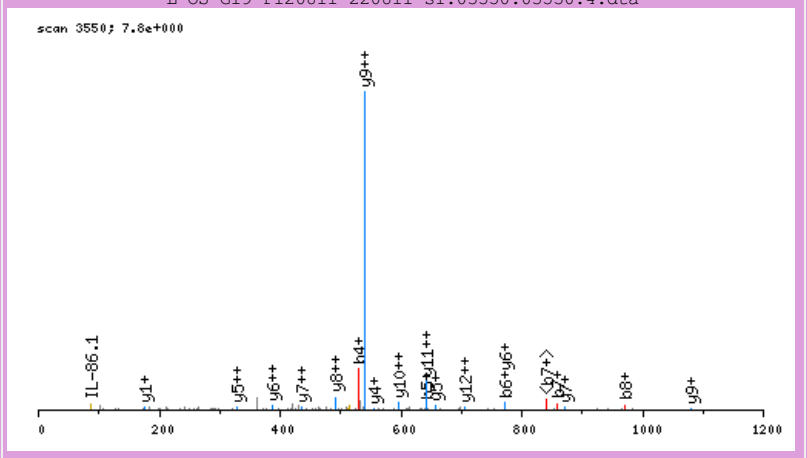
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	14		
320.2146	2	E	13	1593.9541	797.4810
448.2732	3	Q	12	1464.9115	732.9597
585.3321	4	H	11	1336.8529	668.9304
682.3849	5	P	10	1199.7940	**600.4009**
783.4325	6	T	9	1102.7412	**551.8745**
945.5906	7	K	8	1001.6936	**501.3507**
1058.6747	8	I	7	839.5355	420.2716
1155.7275	9	P	6	**726.4514**	363.7296
1254.7959	10	V	5	629.3986	315.2032
1367.8799	11	I	4	**530.3302**	265.6690
1480.9640	12	I	3	**417.2462**	209.1270
1610.0066	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	88.0637

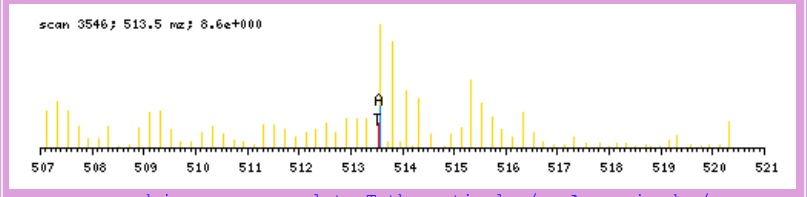
N-term:+35.07 K(7):+162.16

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

RETNLESLPLVDTHSKR, MH+ 2051.1249, m/z 513.5367
L OS G19 P120811 220811-s1.03550.03550.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



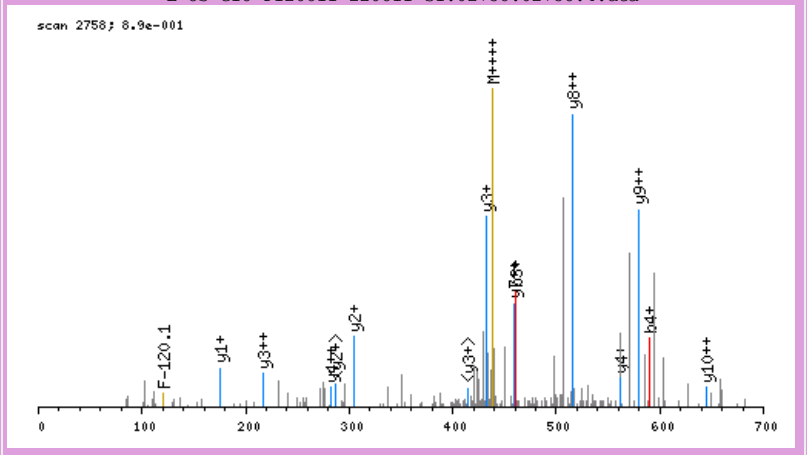
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
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

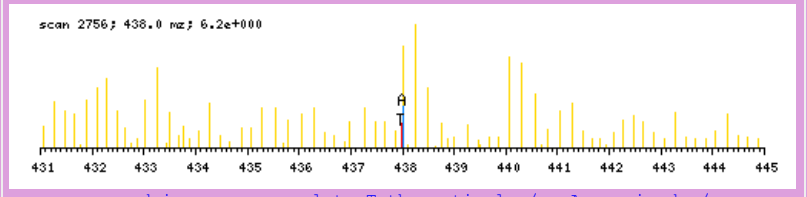
N-term:+29.04 K(16):+156.13

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

RFEEEIKAEQEER, MH+ 1748.8819, m/z 437.9759
L OS G18 P120811 220811-s1.02758.02758.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



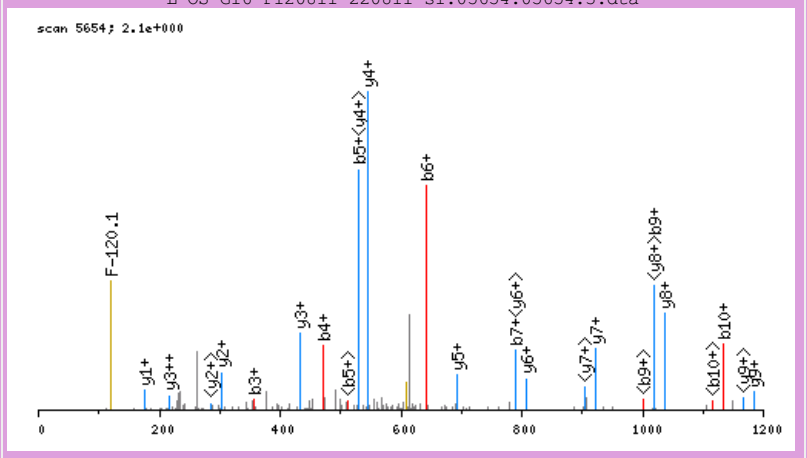
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
332.2086	2	F	12	1564.7495	782.8787
461.2512	3	E	11	1417.6811	709.3445
590.2938	4	E	10	1288.6385	**644.8232**
719.3364	5	E	9	1159.5959	**580.3019**
832.4205	6	I	8	1030.5533	**515.7806**
988.5468	7	K	7	917.4693	**459.2385**
1059.5839	8	A	6	761.3430	381.1754
1188.6265	9	E	5	690.3059	345.6568
1316.6851	10	Q	4	**561.2633**	**281.1355**
1445.7276	11	E	3	**433.2047**	**217.1063**
1574.7702	12	E	2	**304.1621**	152.5850
	13	R	1	**175.1195**	88.0637

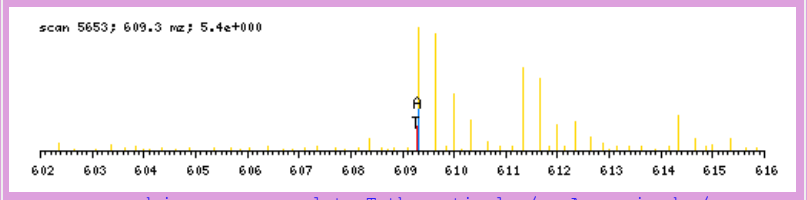
N-term:+29.04 K(7):+156.13

RGDDGIFDDNFIEER, MH+ 1825.8357, m/z 609.2834
L OS G16 P120811 220811-s1.05654.05654.3.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±]



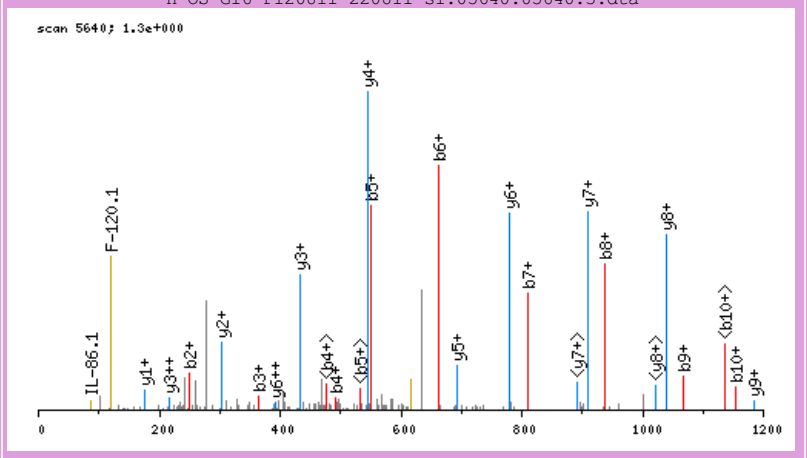
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	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

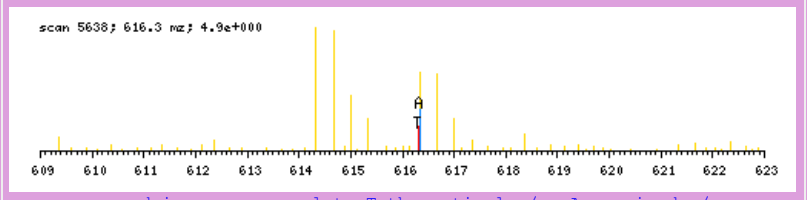
N-term:+29.04

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 G16 P120811 220811-s1.05640.05640.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



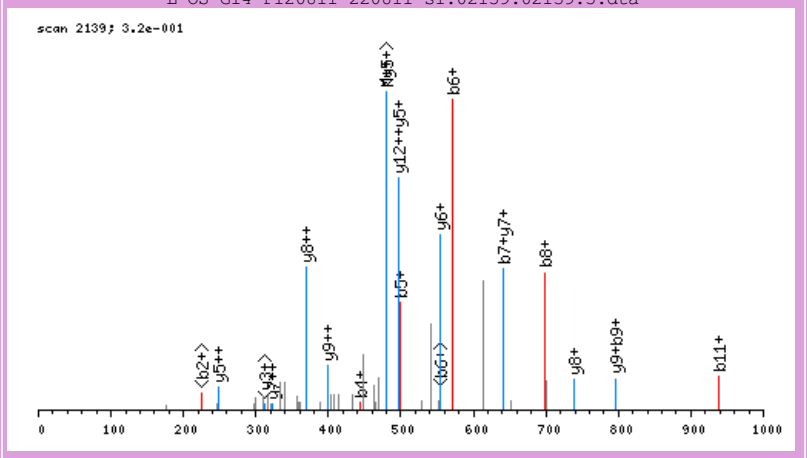
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

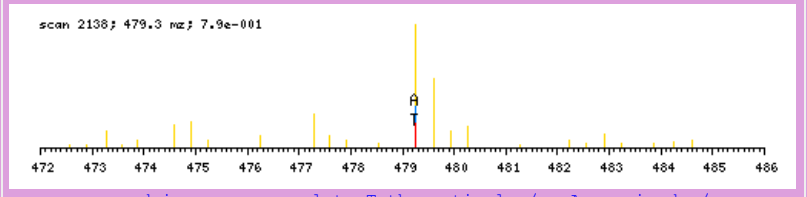
N-term:+35.07

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

RGEAGAAGPSGPAGPR, MH+ 1435.7406, m/z 479.2517
L OS G14 P120811 220811-s1.02139.02139.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



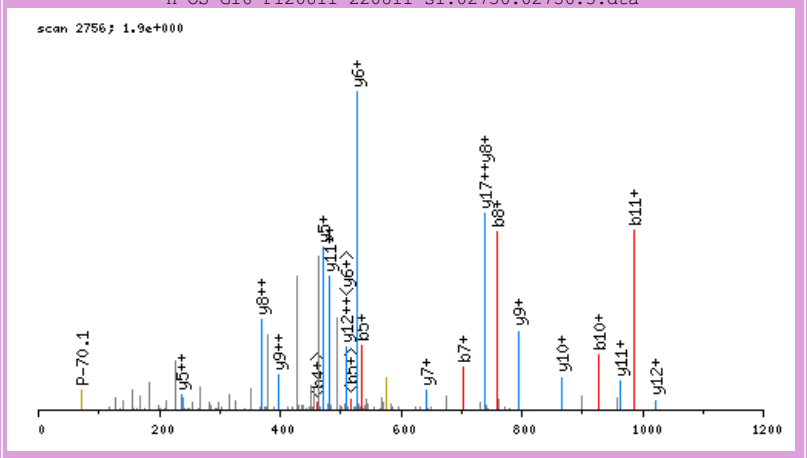
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
242.1617	2	G	15	1251.6082	626.3080
371.2043	3	E	14	1194.5867	597.7973
442.2414	4	A	13	1065.5441	533.2760
499.2628	5	G	12	994.5070	**497.7574**
570.3000	6	A	11	937.4856	469.2467
641.3371	7	A	10	866.4484	433.7281
698.3585	8	G	9	**795.4113**	**398.2096**
795.4113	9	P	8	**738.3899**	**369.6988**
882.4433	10	S	7	**641.3371**	**321.1725**
939.4648	11	G	6	**554.3051**	277.6564
1036.5176	12	P	5	**497.2836**	**249.1457**
1107.5547	13	A	4	400.2308	200.6193
1164.5761	14	G	3	329.1937	165.1008
1261.6289	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

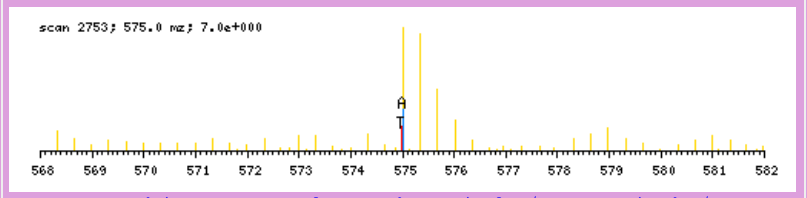
N-term:+29.04

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

RGETGPAGPAGPIGPAGAR, MH+ 1722.9463, m/z 574.9870
H OS G16 P120811 220811-s1.02756.02756.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



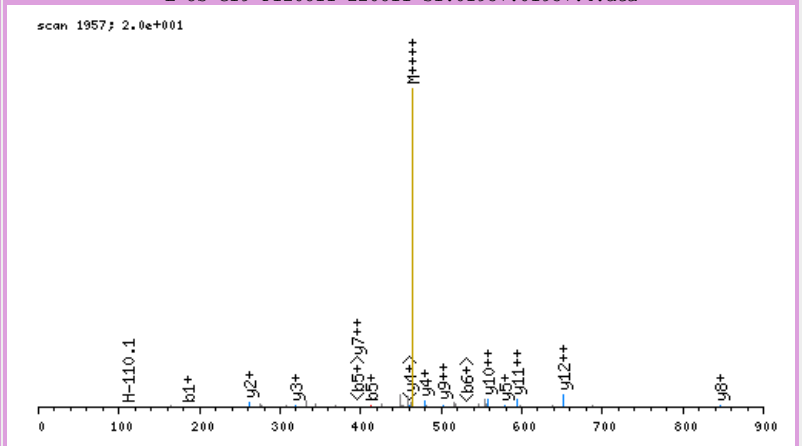
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	19		
248.1935	2	G	18	1532.7821	766.8950
377.2361	3	E	17	1475.7607	**738.3842**
478.2837	4	T	16	1346.7181	673.8629
535.3052	5	G	15	1245.6704	623.3391
632.3580	6	P	14	1188.6489	594.8284
703.3951	7	A	13	1091.5962	546.3020
760.4166	8	G	12	**1020.5591**	**510.7834**
857.4693	9	P	11	**963.5376**	**482.2727**
928.5064	10	A	10	**866.4848**	433.7463
985.5279	11	G	9	**795.4477**	**398.2278**
1082.5807	12	P	8	**738.4262**	**369.7170**
1195.6647	13	I	7	**641.3735**	321.1907
1252.6862	14	G	6	**528.2894**	264.6486
1349.7389	15	P	5	**471.2680**	**236.1379**
1420.7761	16	A	4	374.2152	187.6115
1477.7975	17	G	3	303.1781	152.0930
1548.8346	18	A	2	246.1566	123.5822
	19	R	1	175.1195	88.0637

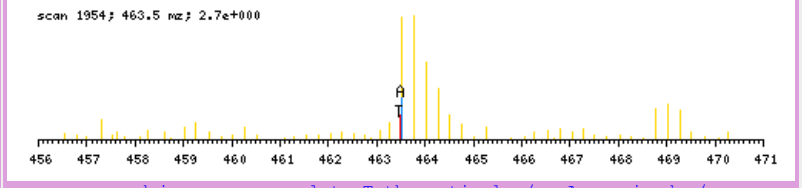
N-term:+35.07

RGGGGHDALKGPNVCGSR, MH+ 1850.9407, m/z 463.4906
L OS G19 P120811 220811-s1.01957.01957.4.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±]



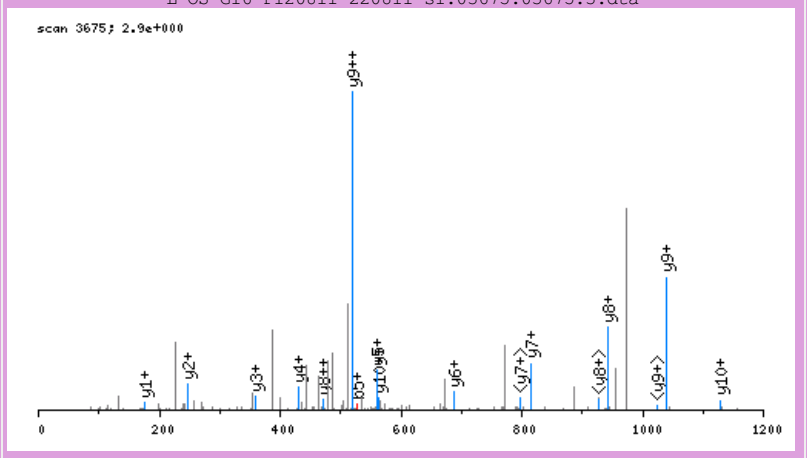
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	**1**	**R**	**18**		
242.1617	**2**	**G**	**17**	1666.8083	833.9081
299.1831	**3**	**G**	**16**	1609.7869	805.3974
356.2046	**4**	**G**	**15**	1552.7654	776.8866
413.2261	**5**	**G**	**14**	1495.7440	748.3759
550.2850	**6**	**H**	**13**	1438.7225	719.8652
665.3119	**7**	**D**	**12**	1301.6636	**651.3357**
736.3490	**8**	**A**	**11**	1186.6366	**593.8222**
849.4331	**9**	**L**	**10**	1115.5995	**558.3037**
1005.5594	**10**	**K**	**9**	1002.5155	**501.7616**
1062.5809	**11**	**G**	**8**	**846.3892**	423.6985
1159.6336	**12**	**P**	**7**	789.3677	**395.1878**
1273.6766	**13**	**N**	**6**	692.3149	346.6614
1372.7450	**14**	**V**	**5**	**578.2720**	289.6399
1532.7756	**15**	**C**	**4**	**479.2036**	240.1057
1589.7970	**16**	**G**	**3**	**319.1730**	160.0904
1676.8291	**17**	**S**	**2**	**262.1515**	131.5797
	18	**R**	**1**	175.1195	88.0637

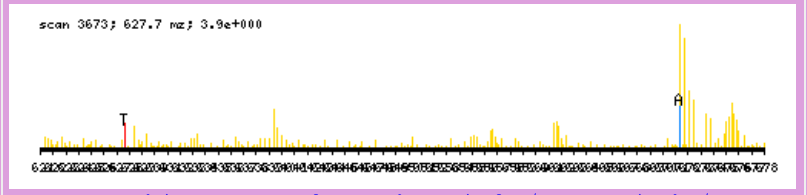
N-term:+29.04 K(10):+156.13
C(15):+160.03

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

RGQVGDLSPQQQEALAR, MH+ 1880.9942, m/z 627.6696
L OS G16 P120811 220811-s1.03675.03675.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



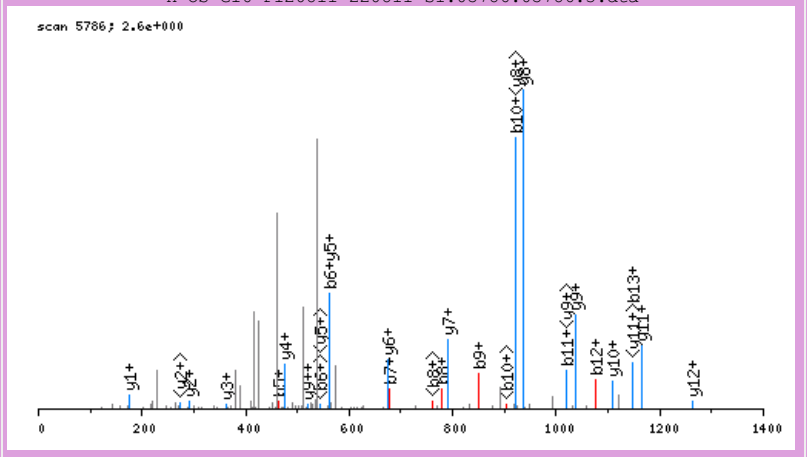
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

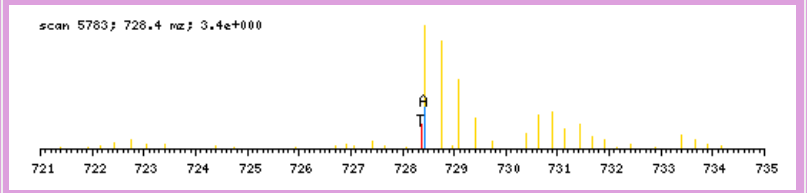
N-term:+29.04

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

RGTGGVDTAAVGAVFDISNADR, MH+ 2183.1269, m/z 728.3805
H OS G16 P120811 220811-s1.05786.05786.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



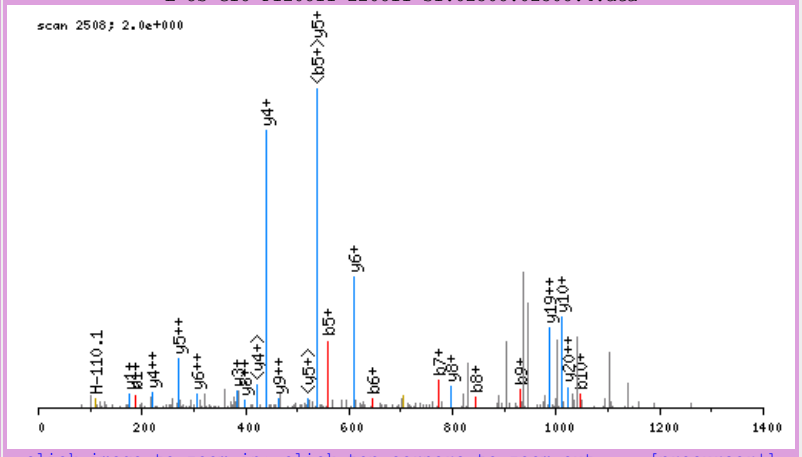
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	22		
248.1935	2	G	21	1992.9627	996.9852
349.2412	3	T	20	1935.9412	968.4745
406.2626	4	G	19	1834.8935	917.9507
463.2841	5	G	18	1777.8721	889.4399
562.3525	6	V	17	1720.8506	860.9292
677.3794	7	D	16	1621.7822	811.3950
778.4271	8	T	15	1506.7552	753.8815
849.4642	9	A	14	1405.7076	703.3577
920.5013	10	A	13	1334.6705	667.8391
1019.5698	11	V	12	**1263.6333**	632.3206
1076.5912	12	G	11	**1164.5649**	582.7864
1147.6283	13	A	10	**1107.5435**	554.2756
1246.6967	14	V	9	**1036.5063**	**518.7571**
1393.7652	15	F	8	**937.4379**	469.2229
1508.7921	16	D	7	**790.3695**	395.6887
1621.8762	17	I	6	**675.3426**	338.1752
1708.9082	18	S	5	**562.2585**	281.6332
1822.9511	19	N	4	**475.2265**	238.1172
1893.9882	20	A	3	**361.1836**	181.0957
2009.0152	21	D	2	**290.1464**	145.5771
	22	R	1	**175.1195**	88.0637

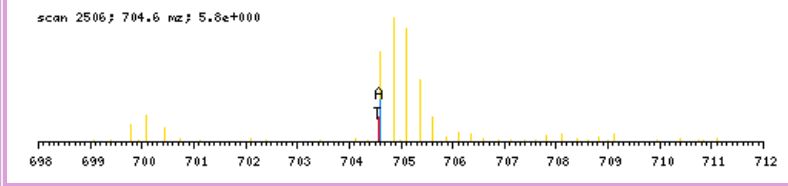
N-term:+35.07

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

RGVSESQASDSEGHSDFSEGQAVGAHR, MH+ 2815.2631, m/z 704.5712
L OS G18 P120811 220811-s1.02508.02508.4.dta



click image to zoom in; click top corners to zoom out [precursor]



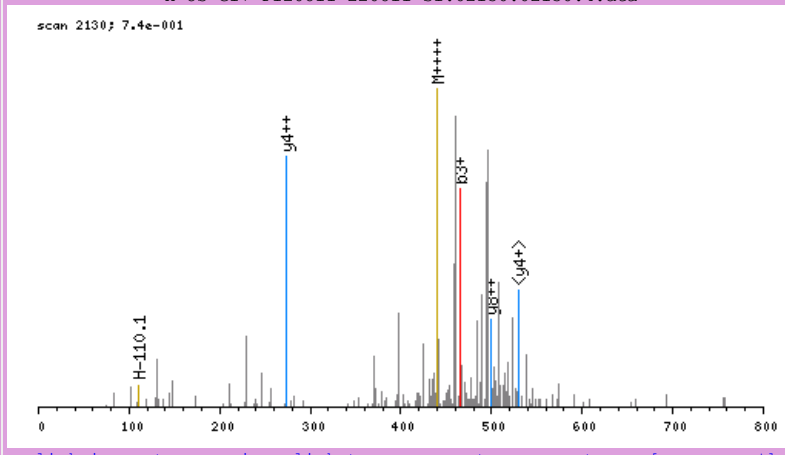
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	27		
242.1617	2	G	26	2631.1308	1316.0693
341.2301	3	V	25	2574.1093	1287.5586
428.2621	4	S	24	2475.0409	1238.0244
557.3047	5	E	23	2388.0088	1194.5083
644.3367	6	S	22	2258.9663	1129.9870
772.3953	7	Q	21	2171.9342	1086.4710
843.4324	8	A	20	2043.8756	1022.4417
930.4645	9	S	19	1972.8385	986.9232
1045.4914	10	D	18	1885.8065	943.4072
1132.5234	11	S	17	1770.7796	885.8937
1261.5660	12	E	16	1683.7475	842.3777
1318.5875	13	G	15	1554.7049	777.8564
1455.6464	14	H	14	1497.6835	749.3457
1542.6784	15	S	13	1360.6246	680.8162
1657.7054	16	D	12	1273.5925	637.3002
1804.7738	17	F	11	1158.5656	579.7867
1891.8058	18	S	10	1011.4972	506.2525
2020.8484	19	E	9	924.4652	462.7365
2077.8699	20	G	8	795.4226	398.2152
2205.9284	21	Q	7	738.4011	369.7045
2276.9656	22	A	6	610.3425	305.6752
2376.0340	23	V	5	539.3054	270.1566
2433.0554	24	G	4	440.2370	220.6224
2504.0926	25	A	3	383.2155	192.1117
2641.1515	26	H	2	312.1784	156.5931
	27	R	1	175.1195	88.0637

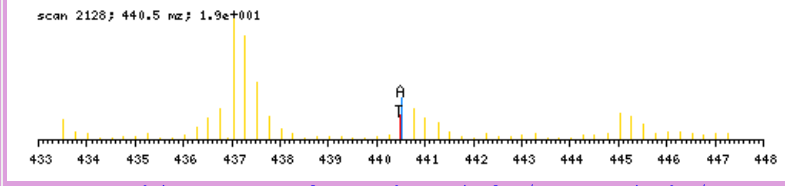
N-term:+29.04

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

RHHCHACGKIVCR, MH+ 1758.9214, m/z 440.4858
H OS G17 P120811 220811-s1.02130.02130.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



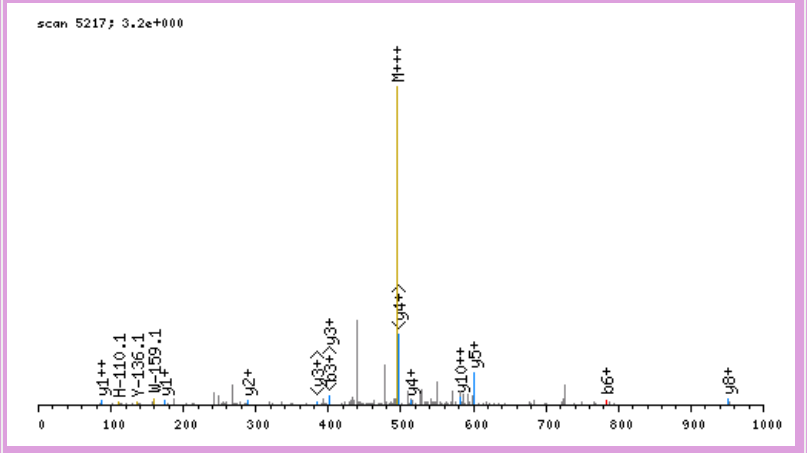
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	13		
328.2309	2	H	12	1568.7572	784.8825
465.2898	3	H	11	1431.6983	716.3531
625.3204	4	C	10	1294.6394	647.8236
762.3793	5	H	9	1134.6088	567.8083
833.4165	6	A	8	997.5499	**499.2788**
993.4471	7	C	7	926.5127	463.7603
1050.4685	8	G	6	766.4821	383.7450
1212.6266	9	K	5	709.4607	355.2343
1325.7107	10	I	4	547.3026	**274.1552**
1424.7791	11	V	3	434.2185	217.6132
1584.8097	12	C	2	335.1501	168.0790
	13	R	1	175.1195	88.0637

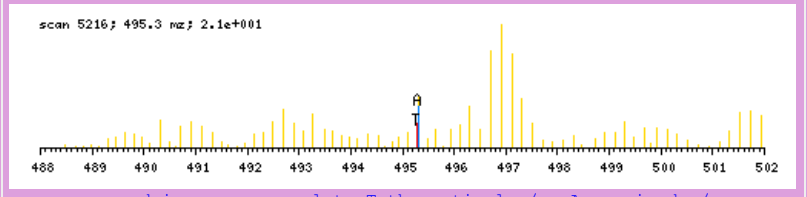
N-term:+35.07 C(4):+160.03
C(7):+160.03 K(9):+162.16
C(12):+160.03

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

RHPDYSVSLLLR, MH+ 1483.8385, m/z 495.2843
L OS G18 P120811 220811-s1.05217.05217.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



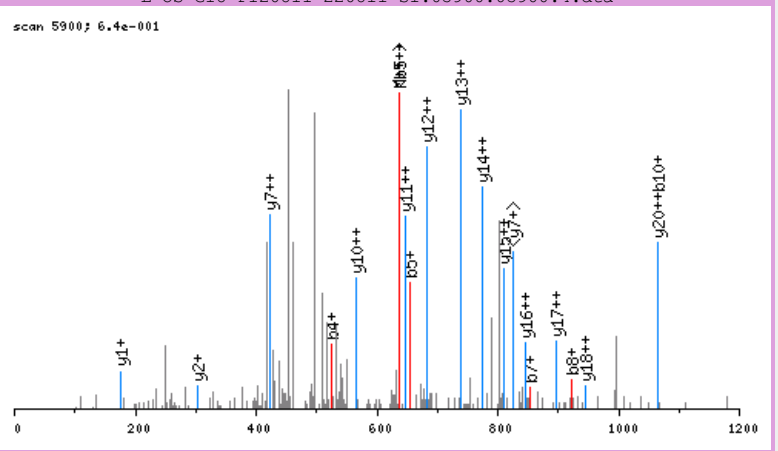
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
322.1991	2	H	11	1299.7061	650.3570
419.2519	3	P	10	1162.6472	**581.8275**
534.2788	4	D	9	1065.5944	533.3011
697.3422	5	Y	8	**950.5675**	475.7877
784.3742	6	S	7	787.5042	394.2560
883.4426	7	V	6	700.4721	350.7400
970.4746	8	S	5	**601.4037**	301.2058
1083.5587	9	L	4	**514.3717**	257.6898
1196.6428	10	L	3	**401.2876**	201.1477
1309.7268	11	L	2	**288.2036**	144.6057
	12	R	1	**175.1195**	**88.0637**

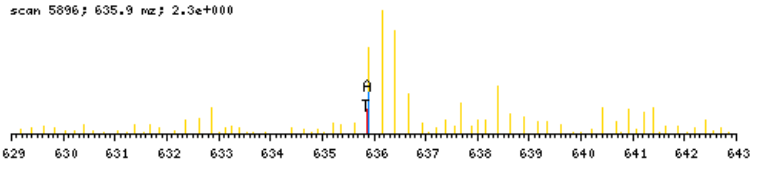
N-term:+29.04

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

RIINEPTAAAIAYGLDKKVGAER, MH+ 2540.4565, m/z 635.8696
L OS G18 P120811 220811-s1.05900.05900.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



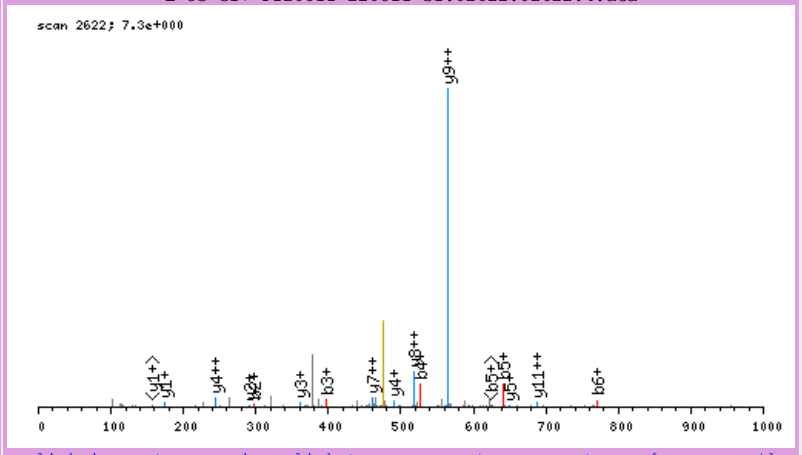
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	23		
298.2243	2	I	22	2356.3241	1178.6660
411.3083	3	I	21	2243.2400	1122.1239
525.3513	4	N	20	2130.1560	**1065.5819**
654.3939	5	E	19	2016.1130	1008.5604
751.4466	6	P	18	1887.0704	**944.0391**
852.4943	7	T	17	1790.0177	**895.5128**
923.5314	8	A	16	1688.9700	**844.9889**
994.5685	9	A	15	1617.9329	**809.4704**
1065.6056	10	A	14	1546.8958	**773.9518**
1178.6897	11	I	13	1475.8587	**738.4332**
1249.7268	12	A	12	1362.7746	**681.8912**
1412.7901	13	Y	11	1291.7375	**646.3727**
1469.8116	14	G	10	1128.6742	**564.8410**
1582.8957	15	L	9	1071.6527	536.3303
1697.9226	16	D	8	958.5686	479.7882
1854.0489	17	K	7	843.5417	**422.2748**
2010.1752	18	K	6	687.4154	344.2116
2109.2436	19	V	5	531.2891	266.1485
2166.2651	20	G	4	432.2207	216.6142
2237.3022	21	A	3	375.1992	188.1035
2366.3448	22	E	2	**304.1621**	152.5850
	23	R	1	**175.1195**	88.0637

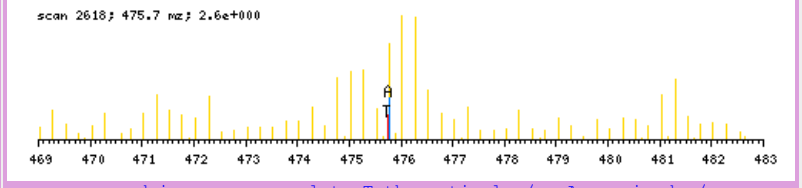
N-term:+29.04 K(17):+156.13
K(18):+156.13

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

RIVEDEPNKICEADR, MH+ 1899.9598, m/z 475.7454
L OS G17 P120811 220811-s1.02622.02622.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



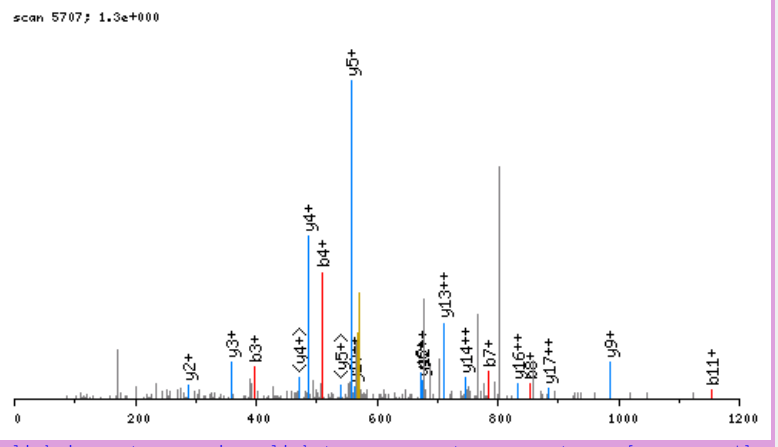
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
298.2243	2	I	14	1715.8274	858.4176
397.2927	3	V	13	1602.7433	801.8756
526.3353	4	E	12	1503.6749	752.3414
641.3622	5	D	11	1374.6323	687.8201
770.4048	6	E	10	1259.6054	630.3066
867.4576	7	P	9	1130.5628	565.7853
981.5005	8	N	8	1033.5100	517.2589
1137.6268	9	K	7	919.4671	460.2375
1250.7109	10	I	6	763.3408	382.1743
1410.7415	11	C	5	650.2568	325.6323
1539.7841	12	E	4	490.2262	245.6170
1610.8212	13	A	3	361.1836	181.0957
1725.8481	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

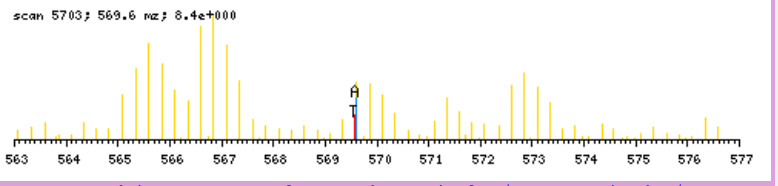
N-term:+29.04 K(9):+156.13
C(11):+160.03

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

RIVITGDAALDHDQALAQAIR, MH+ 2275.2522, m/z 569.5685
L OS G17 P120811 220811-s1.05707.05707.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



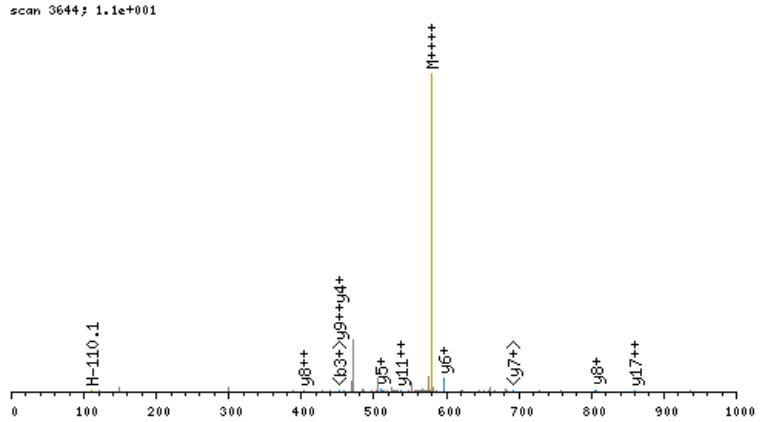
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	21		
298.2243	2	I	20	2091.1198	1046.0638
397.2927	3	V	19	1978.0358	989.5218
510.3768	4	I	18	1878.9674	939.9876
611.4244	5	T	17	1765.8833	**883.4456**
668.4459	6	G	16	1664.8356	**832.9217**
783.4728	7	D	15	1607.8142	804.4110
854.5100	8	A	14	1492.7872	**746.8975**
925.5471	9	A	13	1421.7501	**711.3790**
1038.6311	10	L	12	1350.7130	**675.8604**
1153.6581	11	D	11	1237.6289	619.3184
1290.7170	12	H	10	1122.6020	**561.8049**
1405.7439	13	D	9	**985.5431**	493.2754
1533.8025	14	Q	8	870.5161	435.7620
1604.8396	15	A	7	742.4575	371.7327
1717.9237	16	L	6	**671.4204**	336.2141
1788.9608	17	A	5	**558.3364**	279.6721
1917.0194	18	Q	4	**487.2993**	244.1535
1988.0565	19	A	3	**359.2407**	180.1243
2101.1406	20	I	2	**288.2036**	144.6057
	21	R	1	175.1195	88.0637

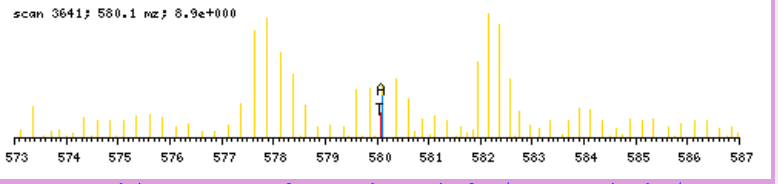
N-term:+29.04

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

RKEEPPSLRPAPPPISGGGYR, MH+ 2317.2781, m/z 580.0750
L OS G18 P120811 220811-s1.03644.03644.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



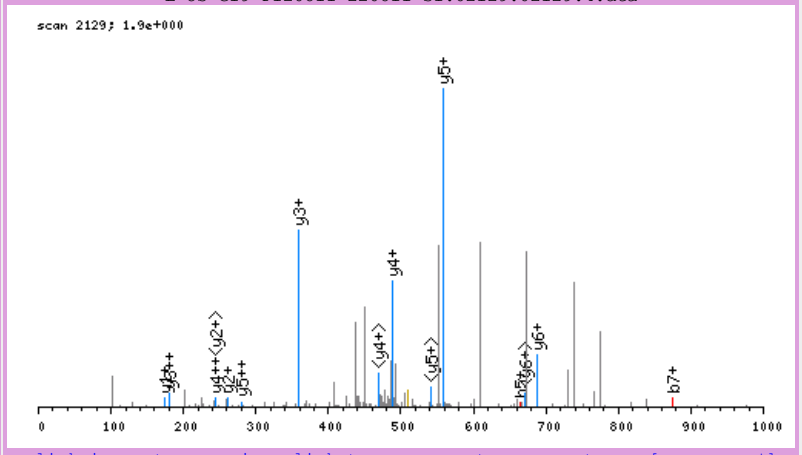
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	21		
341.2665	2	K	20	2133.1457	1067.0768
470.3091	3	E	19	1977.0194	989.0136
599.3517	4	E	18	1847.9768	924.4923
696.4045	5	P	17	1718.9342	**859.9710**
793.4572	6	P	16	1621.8814	811.4446
880.4893	7	S	15	1524.8287	762.9183
993.5733	8	L	14	1437.7967	719.4022
1149.6744	9	R	13	1324.7126	662.8602
1246.7272	10	P	12	1168.6115	584.8097
1317.7643	11	A	11	1071.5587	**536.2833**
1414.8171	12	P	10	1000.5216	500.7647
1511.8698	13	P	9	903.4688	**452.2383**
1608.9226	14	P	8	**806.4161**	**403.7120**
1722.0067	15	I	7	709.3633	355.1856
1809.0387	16	S	6	**596.2792**	298.6435
1866.0602	17	G	5	**509.2472**	255.1275
1923.0816	18	G	4	**452.2258**	226.6168
1980.1031	19	G	3	395.2043	198.1061
2143.1664	20	Y	2	338.1828	169.5953
	21	R	1	175.1195	88.0637

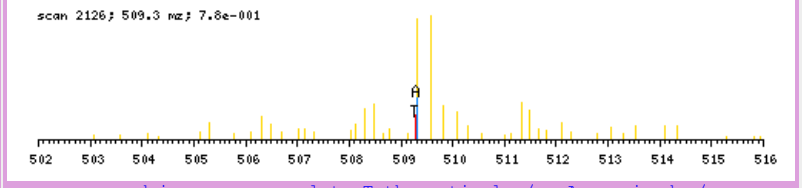
N-term:+29.04 K(2):+156.13

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

RKKAPPLVENEEAEPSR, MH+ 2034.1348, m/z 509.2892
L OS G19 P120811 220811-s1.02129.02129.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



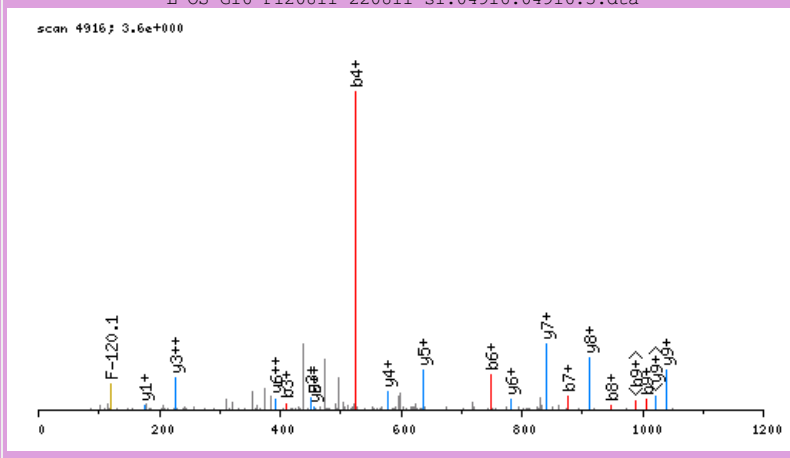
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	17		
341.2665	2	K	16	1850.0024	925.5051
497.3928	3	K	15	1693.8761	847.4420
568.4299	4	A	14	1537.7498	769.3788
665.4827	5	P	13	1466.7127	733.8603
762.5355	6	P	12	1369.6599	685.3339
875.6195	7	L	11	1272.6072	636.8075
974.6879	8	V	10	1159.5231	580.2655
1103.7305	9	E	9	1060.4547	530.7313
1217.7735	10	N	8	931.4121	466.2100
1346.8160	11	E	7	817.3692	409.1885
1475.8586	12	E	6	**688.3266**	344.6672
1546.8958	13	A	5	**559.2840**	**280.1459**
1675.9383	14	E	4	**488.2469**	**244.6274**
1772.9911	15	P	3	**359.2043**	**180.1061**
1860.0231	16	S	2	**262.1515**	131.5797
	17	R	1	**175.1195**	88.0637

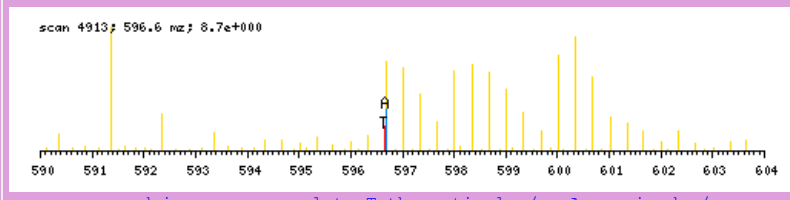
N-term:+29.04 K(2):+156.13
K(3):+156.13

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

RLLLPQQAGFGECDR, MH+ 1787.9226, m/z 596.6457
L OS G16 P120811 220811-s1.04916.04916.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



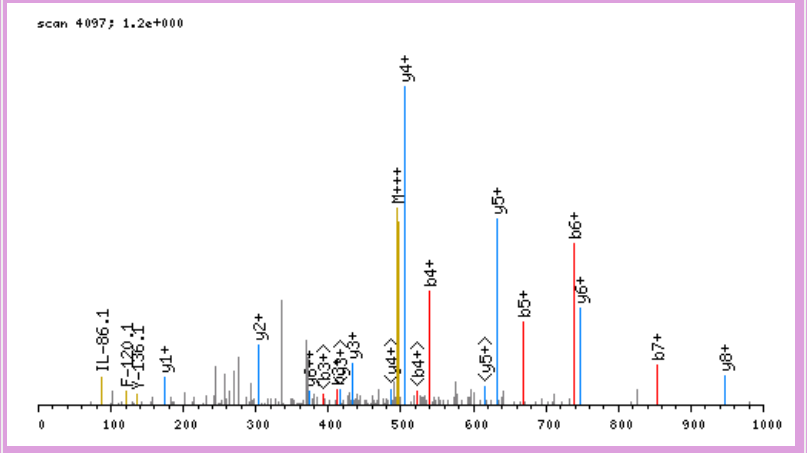
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	15		
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

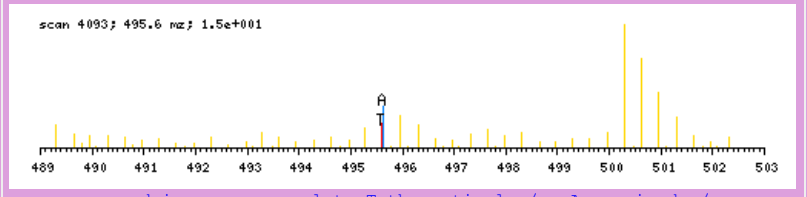
N-term:+29.04 C(13):+160.03

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

RLLQEALEAEER, MH+ 1484.8073, m/z 495.6073
L OS G16 P120811 220811-s1.04097.04097.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



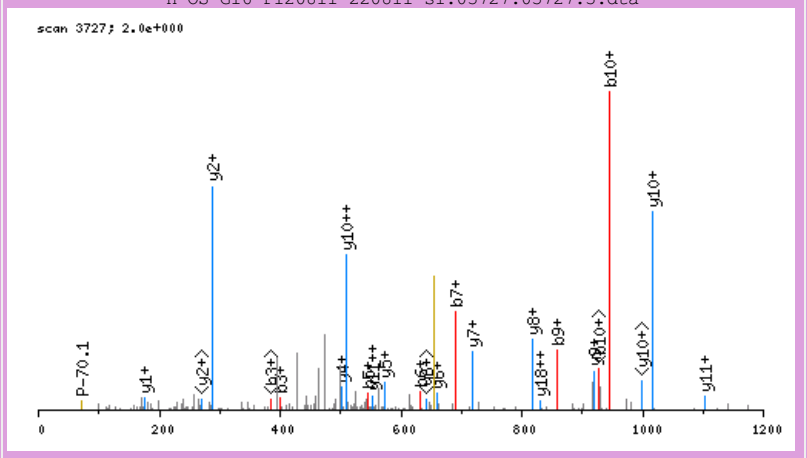
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
298.2243	2	L	11	1300.6749	650.8413
411.3083	3	L	10	1187.5908	594.2993
539.3669	4	Q	9	1074.5067	537.7573
668.4095	5	E	8	**946.4482**	473.7280
739.4466	6	A	7	817.4056	409.2067
852.5307	7	L	6	**746.3685**	**373.6881**
981.5733	8	E	5	**633.2844**	317.1461
1052.6104	9	A	4	**504.2418**	252.6248
1181.6530	10	E	3	**433.2047**	217.1063
1310.6956	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

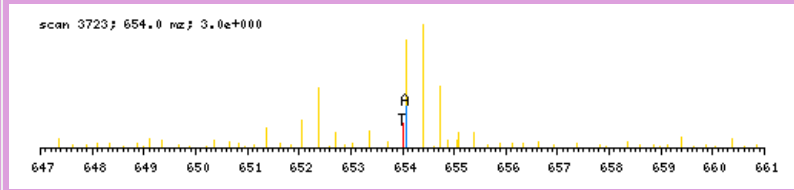
N-term:+29.04

RLPSGSGPASPTTGSAVDIR, MH+ 1960.0676, m/z 654.0274
H OS G16 P120811 220811-s1.03727.03727.3.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±]



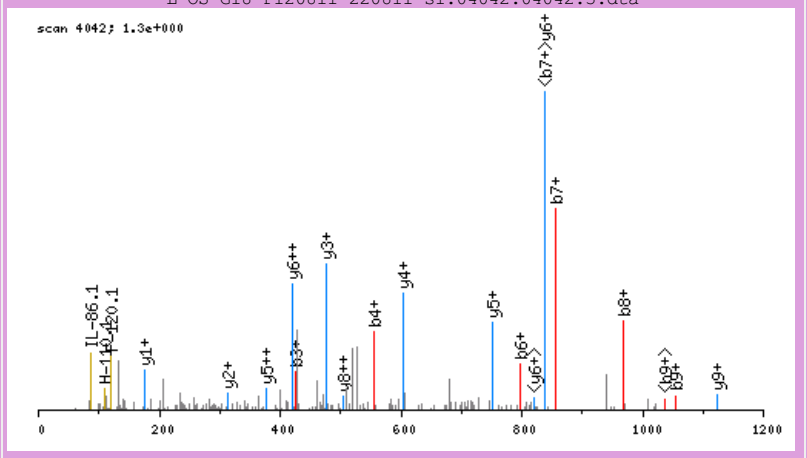
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

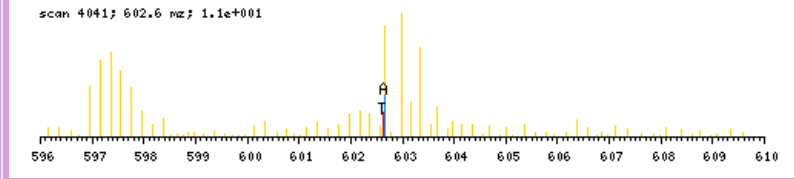
N-term:+35.07

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

RLQQEDGISFEYHR, MH+ 1805.8934, m/z 602.6360
L OS G18 P120811 220811-s1.04042.04042.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



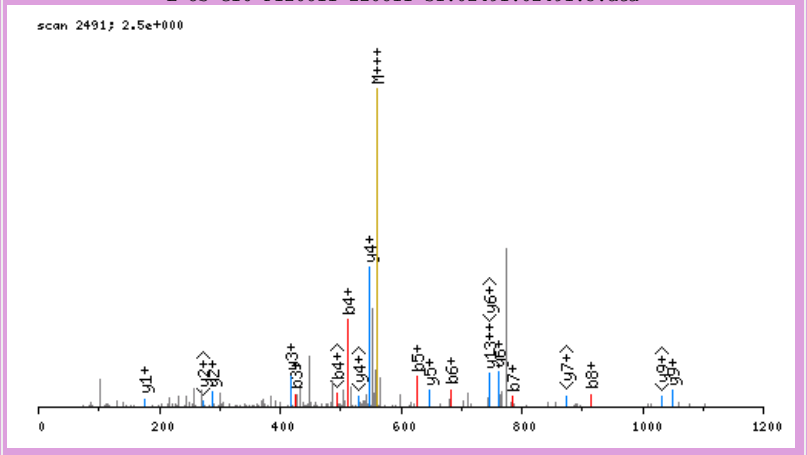
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
298.2243	2	L	13	1621.7611	811.3844
426.2829	3	Q	12	1508.6770	754.8424
554.3414	4	Q	11	1380.6184	690.8131
683.3840	5	E	10	1252.5598	626.7838
798.4110	6	D	9	**1123.5172**	562.2625
855.4324	7	G	8	1008.4903	**504.7491**
968.5165	8	I	7	951.4688	476.2383
1055.5485	9	S	6	**838.3848**	**419.6963**
1202.6169	10	F	5	**751.3527**	**376.1803**
1331.6595	11	E	4	**604.2843**	302.6461
1494.7229	12	Y	3	**475.2417**	238.1248
1631.7818	13	H	2	**312.1784**	156.5931
	14	R	1	**175.1195**	88.0637

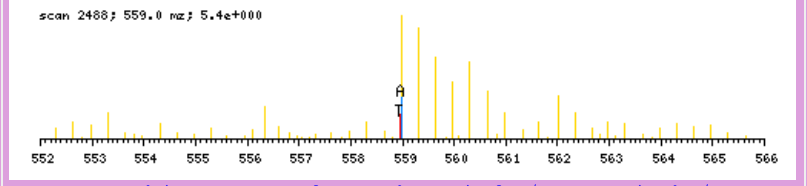
N-term:+29.04

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

RLQSIGTENTEENR, MH+ 1674.8411, m/z 558.9519
L OS G16 P120811 220811-s1.02491.02491.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



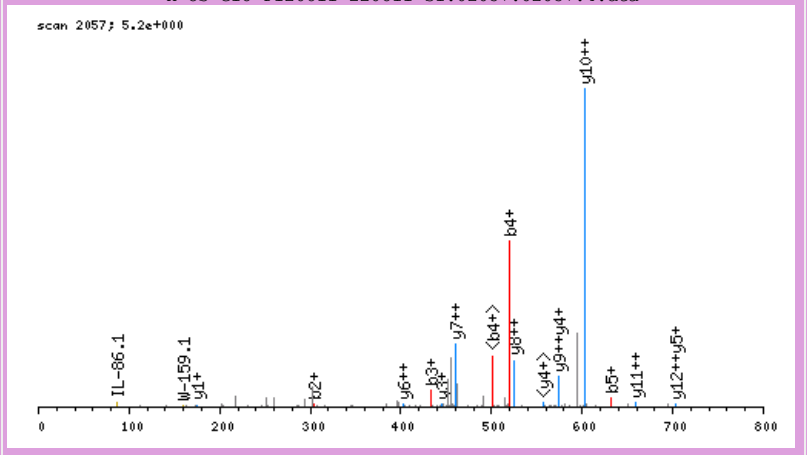
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
298.2243	2	L	13	1490.7087	**745.8583**
426.2829	3	Q	12	1377.6246	689.3162
513.3149	4	S	11	1249.5660	625.2869
626.3989	5	I	10	1162.5340	581.7709
683.4204	6	G	9	**1049.4500**	525.2289
784.4681	7	T	8	992.4285	496.7182
913.5107	8	E	7	891.3808	446.1943
1027.5536	9	N	6	**762.3382**	381.6730
1128.6013	10	T	5	**648.2953**	324.6516
1257.6439	11	E	4	**547.2476**	274.1277
1386.6865	12	E	3	**418.2050**	209.6064
1500.7294	13	N	2	**289.1624**	145.0851
	14	R	1	**175.1195**	88.0637

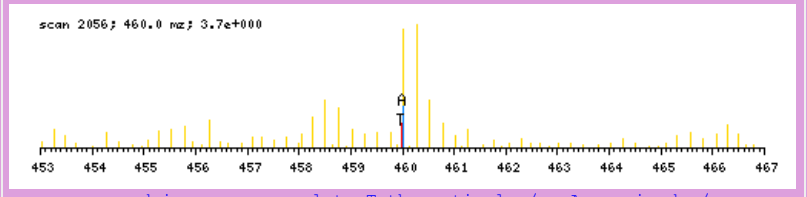
N-term:+29.04

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

RLQSIGTENTEENRR, MH+ 1836.9740, m/z 459.9990
H OS G18 P120811 220811-s1.02057.02057.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



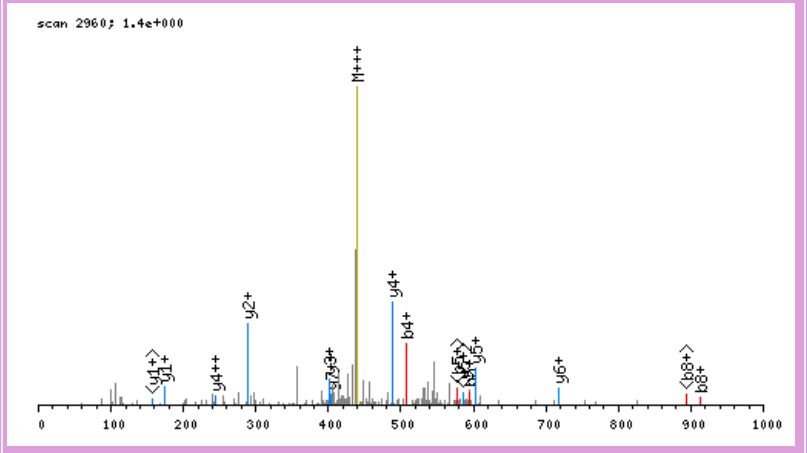
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	15		
304.2561	2	L	14	1646.8098	823.9088
432.3147	3	Q	13	1533.7257	767.3668
519.3467	4	S	12	1405.6672	703.3375
632.4307	5	I	11	1318.6351	659.8215
689.4522	6	G	10	1205.5511	603.2794
790.4999	7	T	9	1148.5296	574.7687
919.5425	8	E	8	1047.4819	524.2449
1033.5854	9	N	7	918.4393	459.7236
1134.6331	10	T	6	804.3964	402.7021
1263.6757	11	E	5	703.3487	352.1783
1392.7183	12	E	4	574.3061	287.6570
1506.7612	13	N	3	445.2635	223.1357
1662.8623	14	R	2	331.2206	166.1142
	15	R	1	175.1195	88.0637

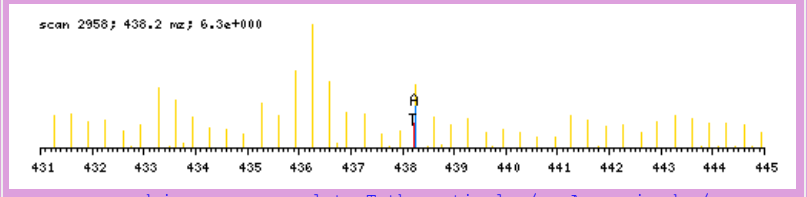
N-term:+35.07

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

RMGESDDSILR, MH+ 1312.6743, m/z 438.2296
H OS G16 P120811 220811-s1.02960.02960.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



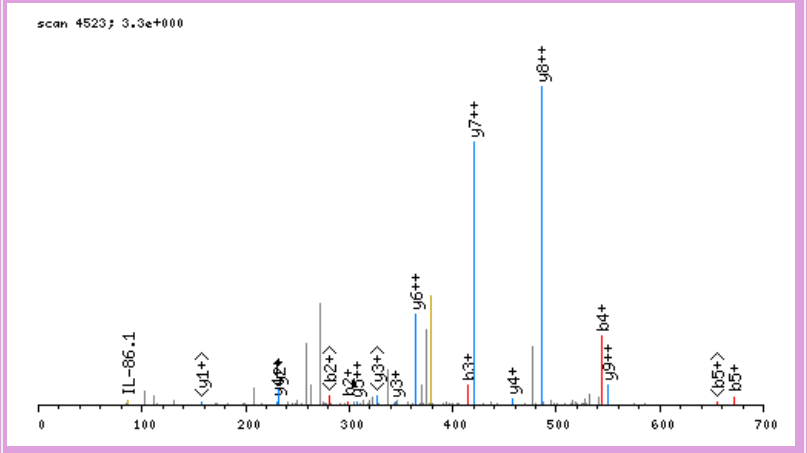
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	11		
322.2125	2	M	10	1122.5101	561.7590
379.2340	3	G	9	991.4696	496.2387
508.2766	4	E	8	934.4482	467.7280
595.3086	5	S	7	805.4056	**403.2067**
710.3355	6	D	6	**718.3735**	359.6907
825.3625	7	D	5	**603.3466**	302.1772
912.3945	8	S	4	**488.3197**	**244.6637**
1025.4786	9	I	3	**401.2876**	201.1477
1138.5626	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

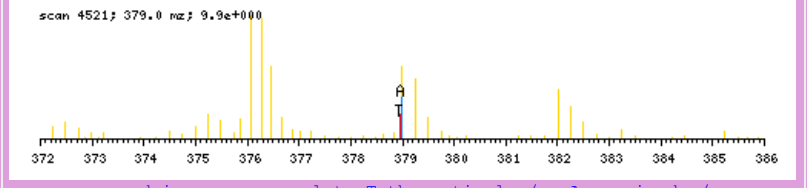
N-term:+35.07

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

RNDEELNKLLGR, MH+ 1512.8498, m/z 378.9679
L OS G18 P120811 220811-s1.04523.04523.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



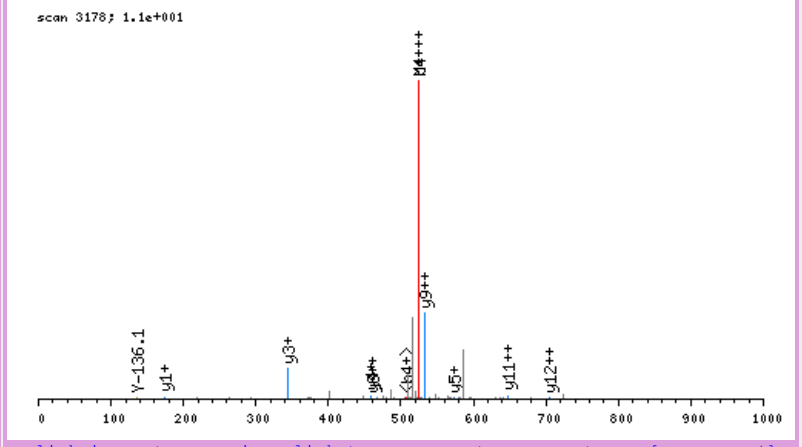
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
299.1831	2	N	11	1328.7174	664.8626
414.2101	3	D	10	1214.6745	607.8412
543.2527	4	E	9	1099.6476	**550.3277**
672.2953	5	E	8	970.6050	**485.8064**
785.3793	6	L	7	841.5624	**421.2851**
899.4223	7	N	6	728.4783	**364.7431**
1055.5486	8	K	5	614.4354	**307.7216**
1168.6326	9	L	4	**458.3091**	**229.6585**
1281.7167	10	L	3	**345.2250**	173.1164
1338.7382	11	G	2	**232.1410**	116.5744
	12	R	1	175.1195	88.0637

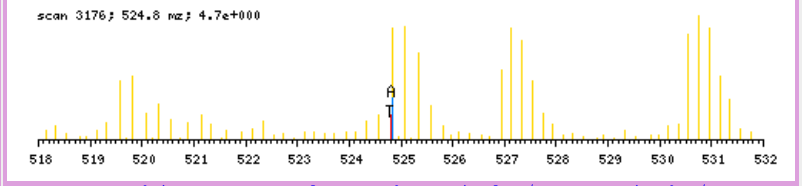
N-term:+29.04 K(8):+156.13

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

RNGKYDLDFKSPDDPAR, MH+ 2096.1625, m/z 524.7961
H OS G19 P120811 220811-s1.03178.03178.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

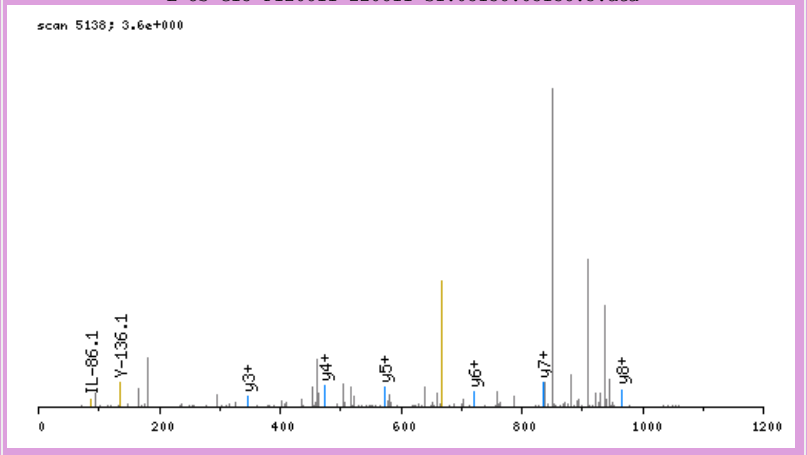


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

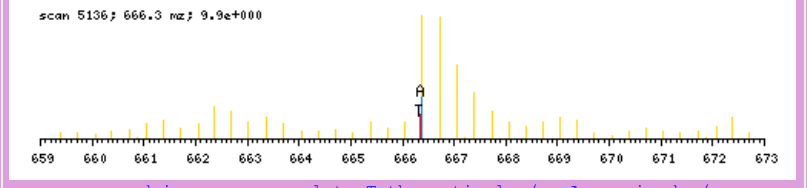
b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	17		
305.2149	2	N	16	1905.9983	953.5031
362.2364	3	G	15	1791.9554	896.4816
524.3945	4	K	14	1734.9339	867.9709
687.4578	5	Y	13	1572.7758	786.8918
802.4848	6	D	12	1409.7125	**705.3602**
915.5688	7	L	11	1294.6856	**647.8467**
1030.5958	8	D	10	1181.6015	591.3047
1177.6642	9	F	9	1066.5746	**533.7912**
1339.8223	10	K	8	919.5062	**460.2570**
1426.8543	11	S	7	757.3481	379.1779
1523.9071	12	P	6	670.3160	335.6619
1638.9340	13	D	5	**573.2633**	287.1355
1753.9610	14	D	4	**458.2363**	229.6221
1851.0137	15	P	3	**343.2094**	172.1086
1922.0509	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

N-term:+35.07 K(4):+162.16
K(10):+162.16

RNKEQGTYEDFVEGLR, MH+ 1997.0092, m/z 666.3413
L OS G15 P120811 220811-s1.05138.05138.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

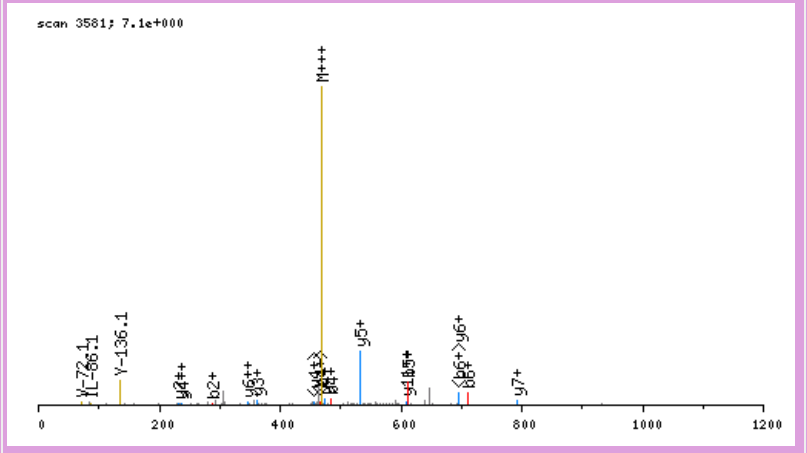
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	16		
299.1831	2	N	15	1812.8769	906.9423
455.3094	3	K	14	1698.8339	849.9209
584.3520	4	E	13	1542.7076	771.8577
712.4106	5	Q	12	1413.6650	707.3364
769.4321	6	G	11	1285.6065	643.3071
870.4798	7	T	10	1228.5850	614.7964
1033.5431	8	Y	9	1127.5373	564.2726
1162.5857	9	E	8	**964.4740**	482.7409
1277.6126	10	D	7	**835.4314**	418.2196
1424.6810	11	F	6	**720.4044**	360.7061
1523.7494	12	V	5	**573.3360**	287.1719
1652.7920	13	E	4	**474.2676**	237.6377
1709.8135	14	G	3	**345.2250**	173.1164
1822.8976	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

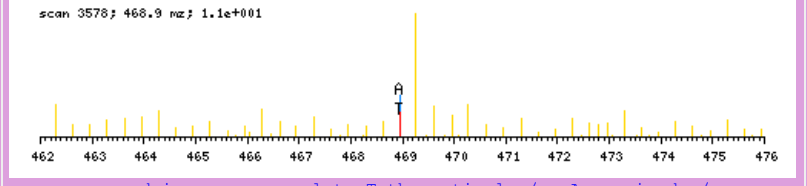
N-term:+29.04 K(3):+156.13

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

RPPVQVYGIEGR, MH+ 1404.8175, m/z 468.9440
H OS G16 P120811 220811-s1.03581.03581.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



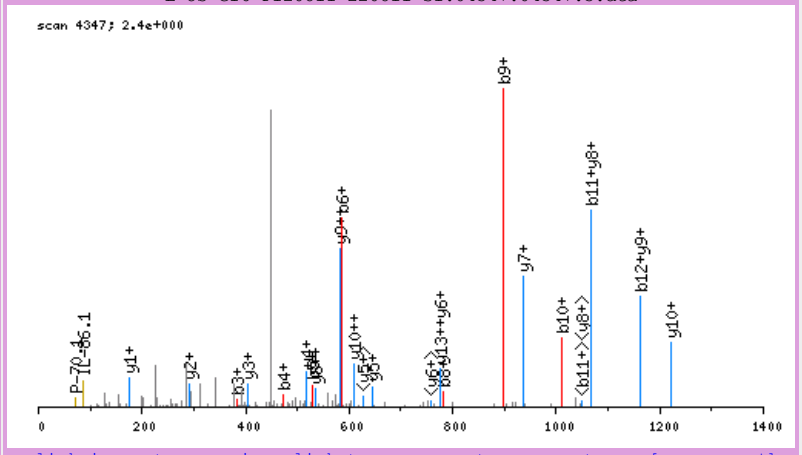
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	12		
288.2248	2	P	11	1214.6533	**607.8306**
385.2775	3	P	10	1117.6006	559.3042
484.3460	4	V	9	1020.5478	510.7778
612.4045	5	Q	8	921.4794	461.2436
711.4729	6	V	7	**793.4208**	397.2143
874.5363	7	Y	6	**694.3524**	**347.6801**
931.5577	8	G	5	**531.2891**	266.1485
1044.6418	9	I	4	**474.2676**	**237.6377**
1173.6844	10	E	3	**361.1836**	181.0957
1230.7059	11	G	2	**232.1410**	116.5744
	12	R	1	175.1195	88.0637

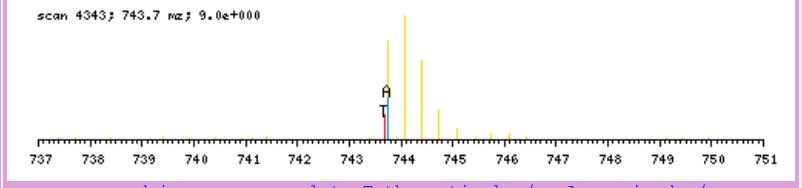
N-term:+35.07

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

RQASGGPVDIGPEYQQDLDR, MH+ 2229.0900, m/z 743.7015
L OS G16 P120811 220811-s1.04347.04347.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



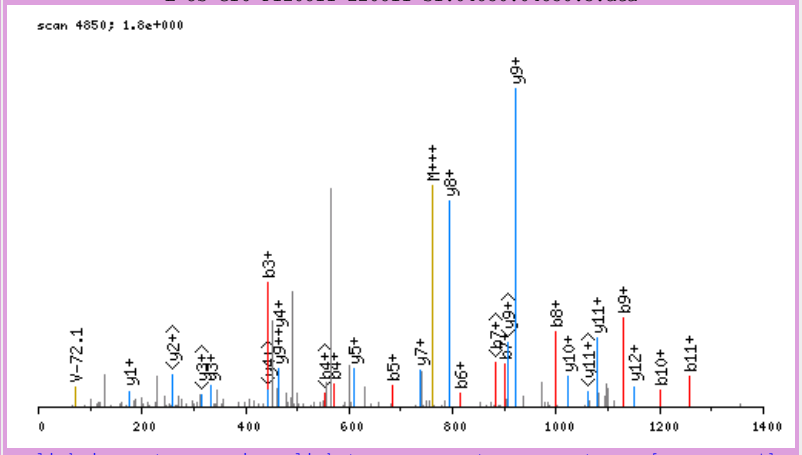
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	20		
313.1988	2	Q	19	2044.9576	1022.9827
384.2359	3	A	18	1916.8990	958.9534
471.2679	4	S	17	1845.8619	923.4349
528.2894	5	G	16	1758.8299	879.9188
585.3109	6	G	15	1701.8084	851.4081
682.3636	7	P	14	1644.7869	822.8974
781.4320	8	V	13	1547.7342	**774.3710**
896.4590	9	D	12	1448.6658	724.8368
1009.5430	10	I	11	1333.6388	667.3233
1066.5645	11	G	10	**1220.5548**	**610.7813**
1163.6173	12	P	9	**1163.5333**	**582.2706**
1292.6599	13	E	8	**1066.4805**	**533.7442**
1455.7232	14	Y	7	**937.4379**	469.2229
1583.7818	15	Q	6	**774.3746**	387.6912
1711.8403	16	Q	5	**646.3160**	323.6619
1826.8673	17	D	4	**518.2575**	259.6326
1939.9514	18	L	3	**403.2305**	202.1192
2054.9783	19	D	2	**290.1464**	145.5771
	20	R	1	**175.1195**	88.0637

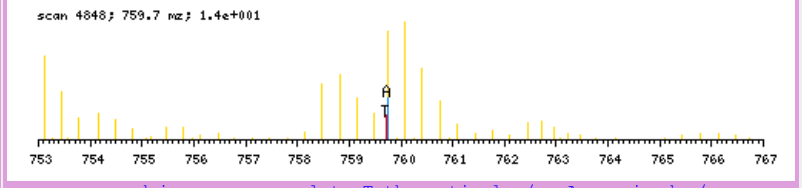
N-term:+29.04

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

RQEELESVEAGVQGGAFEGTR, MH+ 2277.1111, m/z 759.7086
L OS G16 P120811 220811-s1.04850.04850.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



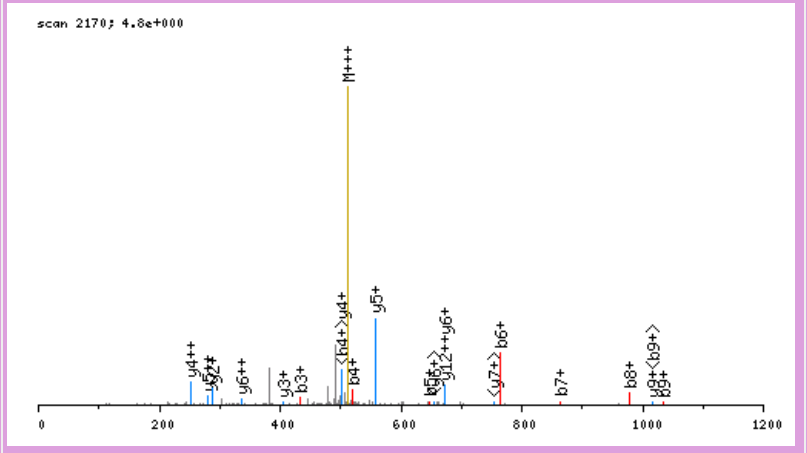
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	21		
313.1988	2	Q	20	2092.9787	1046.9933
442.2414	3	E	19	1964.9201	982.9640
571.2840	4	E	18	1835.8775	918.4427
684.3680	5	L	17	1706.8350	853.9214
813.4106	6	E	16	1593.7509	797.3794
900.4427	7	S	15	1464.7083	732.8581
999.5111	8	V	14	1377.6763	689.3420
1128.5537	9	E	13	1278.6079	639.8078
1199.5908	10	A	12	**1149.5653**	575.2865
1256.6122	11	G	11	**1078.5281**	539.7680
1355.6807	12	V	10	**1021.5067**	511.2573
1483.7392	13	Q	9	**922.4383**	**461.7230**
1540.7607	14	G	8	**794.3797**	397.6938
1597.7822	15	G	7	**737.3582**	369.1830
1668.8193	16	A	6	680.3368	340.6723
1815.8877	17	F	5	**609.2997**	305.1537
1944.9303	18	E	4	**462.2312**	231.6195
2001.9517	19	G	3	**333.1886**	167.0982
2102.9994	20	T	2	276.1672	138.5875
	21	R	1	**175.1195**	88.0637

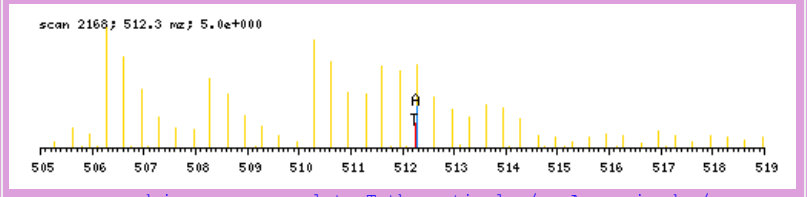
N-term:+29.04

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

RQISEDVDGPDNR, MH+ 1534.7673, m/z 512.2606
H OS G16 P120811 220811-s1.02170.02170.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



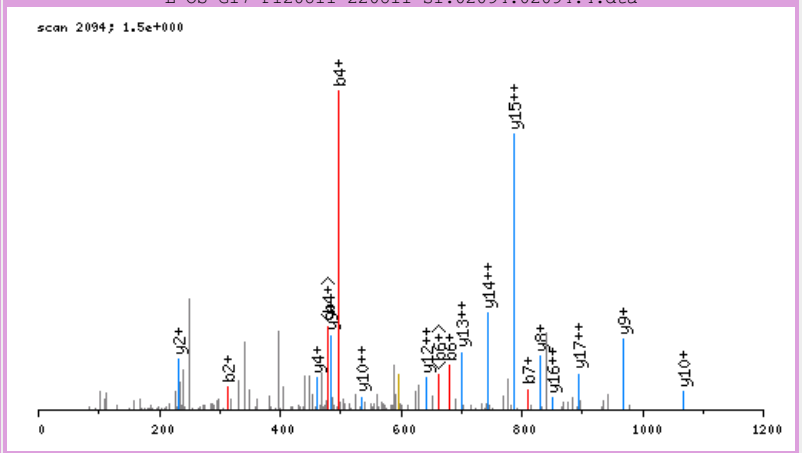
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

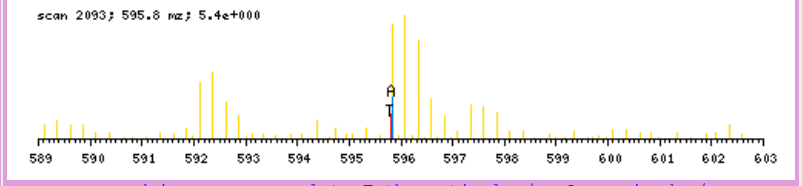
N-term:+35.07

RQPSPSQSSDSQVHSGVQVEGR, MH+ 2380.1605, m/z 595.7956
L OS G17 P120811 220811-s1.02094.02094.4.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]



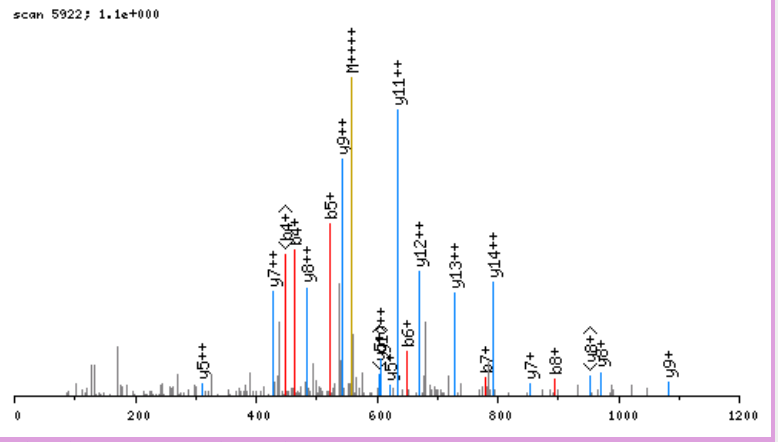
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	22		
313.1988	2	Q	21	2196.0281	1098.5180
410.2516	3	P	20	2067.9695	1034.4887
497.2836	4	S	19	1970.9168	985.9623
594.3363	5	P	18	1883.8848	942.4463
681.3684	6	S	17	1786.8320	**893.9199**
809.4270	7	Q	16	1699.8000	**850.4039**
896.4590	8	S	15	1571.7414	**786.3746**
983.4910	9	S	14	1484.7094	**742.8586**
1098.5180	10	D	13	1397.6773	**699.3426**
1185.5500	11	S	12	1282.6504	**641.8291**
1313.6086	12	Q	11	1195.6184	598.3131
1412.6770	13	V	10	**1067.5598**	**534.2838**
1549.7359	14	H	9	**968.4914**	**484.7496**
1636.7679	15	S	8	**831.4325**	416.2201
1693.7894	16	G	7	744.4004	372.7041
1792.8578	17	V	6	687.3790	344.1934
1920.9164	18	Q	5	588.3105	294.6592
2019.9848	19	V	4	**460.2520**	230.6299
2149.0274	20	E	3	361.1836	181.0957
2206.0488	21	G	2	**232.1410**	116.5744
	22	R	1	175.1195	88.0637

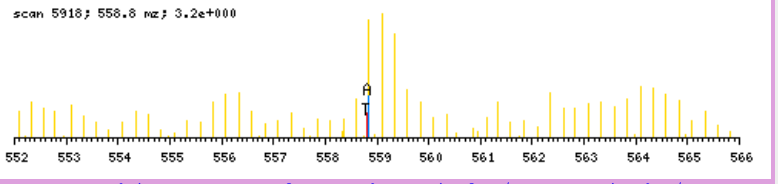
N-term:+29.04

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

RSGEGQEDAGELDFSGLLKR, MH+ 2232.1897, m/z 558.8029
H OS G17 P120811 220811-s1.05922.05922.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



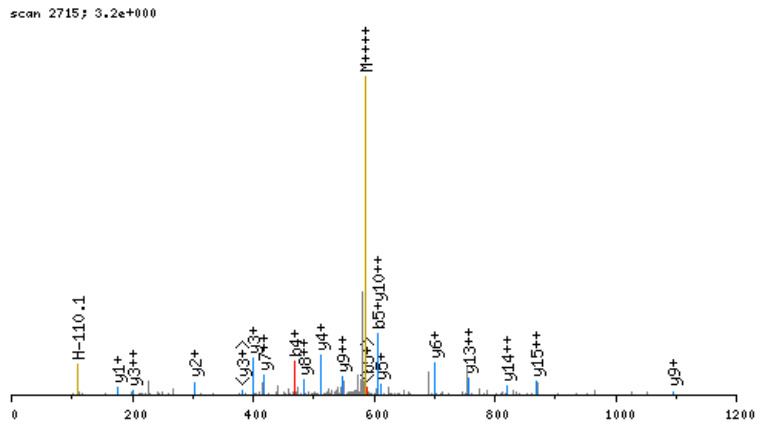
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	20		
278.2040	2	S	19	2042.0255	1021.5167
335.2255	3	G	18	1954.9934	978.0006
464.2681	4	E	17	1897.9720	949.4899
521.2896	5	G	16	1768.9294	884.9686
649.3481	6	Q	15	1711.9079	856.4579
778.3907	7	E	14	1583.8493	**792.4286**
893.4177	8	D	13	1454.8068	**727.9073**
964.4548	9	A	12	1339.7798	**670.3938**
1021.4763	10	G	11	1268.7427	**634.8753**
1150.5188	11	E	10	1211.7212	**606.3645**
1263.6029	12	L	9	**1082.6786**	**541.8432**
1378.6299	13	D	8	**969.5946**	**485.3012**
1525.6983	14	F	7	**854.5676**	**427.7877**
1612.7303	15	S	6	707.4992	354.2535
1669.7518	16	G	5	**620.4672**	**310.7375**
1782.8358	17	L	4	563.4457	282.2268
1895.9199	18	L	3	450.3617	225.6847
2058.0780	19	K	2	337.2776	169.1427
	20	R	1	175.1195	88.0637

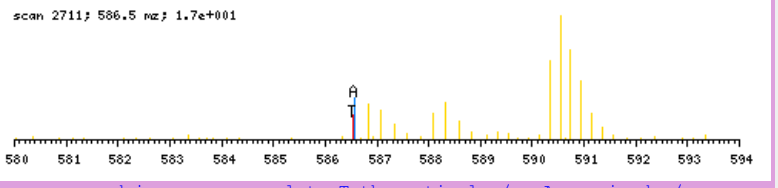
N-term:+35.07 K(19):+162.16

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

RSPVHPESSEDEEHSVIPQR, MH+ 2343.1329, m/z 586.5387
L OS G18 P120811 220811-s1.02715.02715.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



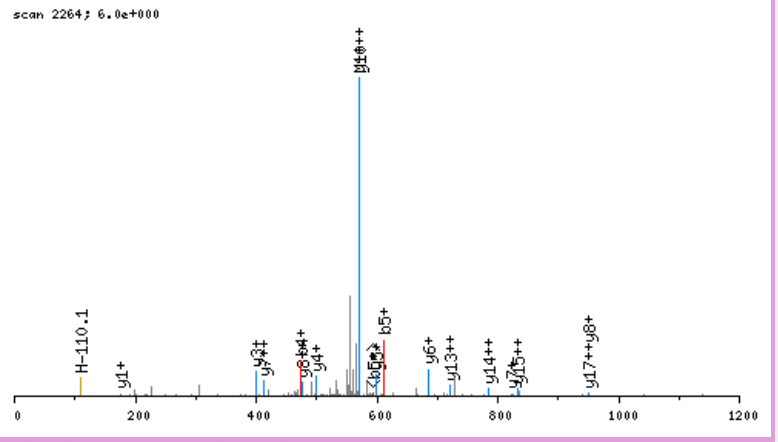
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	20		
272.1722	2	S	19	2159.0005	1080.0042
369.2250	3	P	18	2071.9685	1036.4882
468.2934	4	V	17	1974.9157	987.9618
605.3523	5	H	16	1875.8473	938.4276
702.4051	6	P	15	1738.7884	**869.8981**
831.4477	7	E	14	1641.7356	**821.3717**
918.4797	8	S	13	1512.6930	**756.8504**
1005.5117	9	S	12	1425.6610	713.3344
1134.5543	10	E	11	1338.6290	669.8184
1249.5813	11	D	10	1209.5864	**605.2971**
1378.6239	12	E	9	**1094.5594**	**547.7836**
1507.6665	13	E	8	965.5169	**483.2623**
1644.7254	14	H	7	836.4743	**418.7410**
1731.7574	15	S	6	**699.4153**	350.2116
1830.8258	16	V	5	**612.3833**	306.6956
1943.9099	17	I	4	**513.3149**	257.1614
2040.9626	18	P	3	**400.2308**	**200.6193**
2169.0212	19	Q	2	**303.1781**	152.0930
	20	R	1	**175.1195**	88.0637

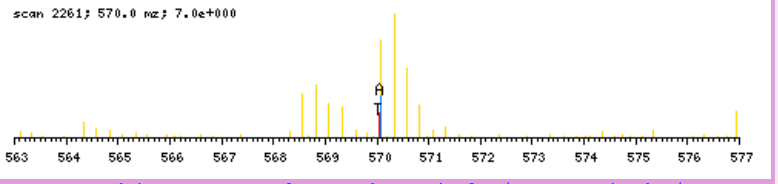
N-term:+29.04

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

RSPVHPESSEGEEHSVVPQR, MH+ 2277.1436, m/z 570.0413
H OS G18 P120811 220811-s1.02264.02264.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



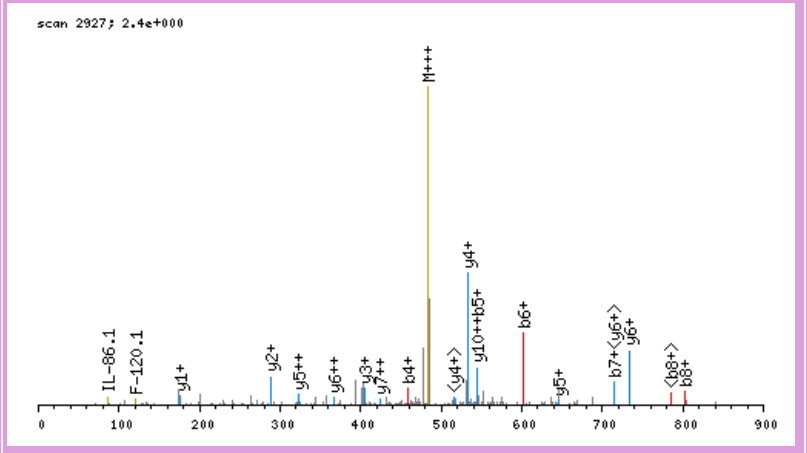
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	20		
278.2040	2	S	19	2086.9794	1043.9936
375.2568	3	P	18	1999.9474	1000.4776
474.3252	4	V	17	1902.8946	**951.9512**
611.3841	5	H	16	1803.8262	902.4170
708.4369	6	P	15	1666.7673	**833.8875**
837.4795	7	E	14	1569.7145	**785.3612**
924.5115	8	S	13	1440.6719	**720.8399**
1011.5435	9	S	12	1353.6399	677.3239
1140.5861	10	E	11	1266.6079	633.8078
1197.6076	11	G	10	1137.5653	**569.2865**
1326.6502	12	E	9	1080.5438	540.7758
1455.6928	13	E	8	**951.5012**	**476.2545**
1592.7517	14	H	7	**822.4586**	**411.7332**
1679.7837	15	S	6	**685.3997**	343.2038
1778.8521	16	V	5	**598.3677**	299.6877
1877.9206	17	V	4	**499.2993**	250.1535
1974.9733	18	P	3	**400.2308**	200.6193
2103.0319	19	Q	2	303.1781	152.0930
	20	R	1	**175.1195**	88.0637

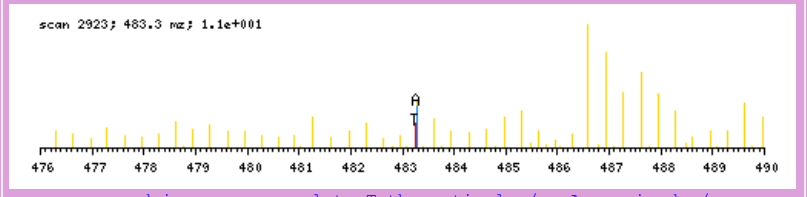
N-term:+35.07

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

RSSVSGISLEDNR, MH+ 1447.7505, m/z 483.2550
L OS G16 P120811 220811-s1.02927.02927.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



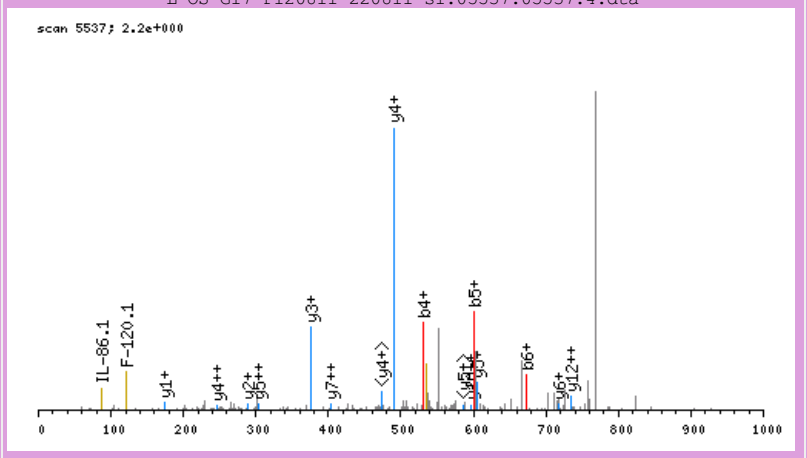
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
272.1722	2	S	12	1263.6181	632.3130
359.2043	3	S	11	1176.5861	588.7969
458.2727	4	V	10	1089.5540	**545.2809**
545.3047	5	S	9	990.4856	495.7467
602.3262	6	G	8	903.4536	452.2307
715.4102	7	I	7	846.4321	**423.7200**
802.4423	8	S	6	**733.3481**	**367.1779**
915.5263	9	L	5	**646.3160**	**323.6619**
1044.5689	10	E	4	**533.2320**	267.1199
1159.5959	11	D	3	**404.1894**	202.5986
1273.6388	12	N	2	**289.1624**	145.0851
	13	R	1	**175.1195**	88.0637

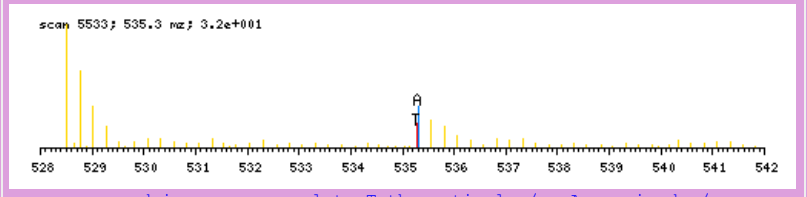
N-term:+29.04

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

RTDEAAFQKVMSNLDSNR, MH+ 2138.0664, m/z 535.2721
L OS G17 P120811 220811-s1.05537.05537.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



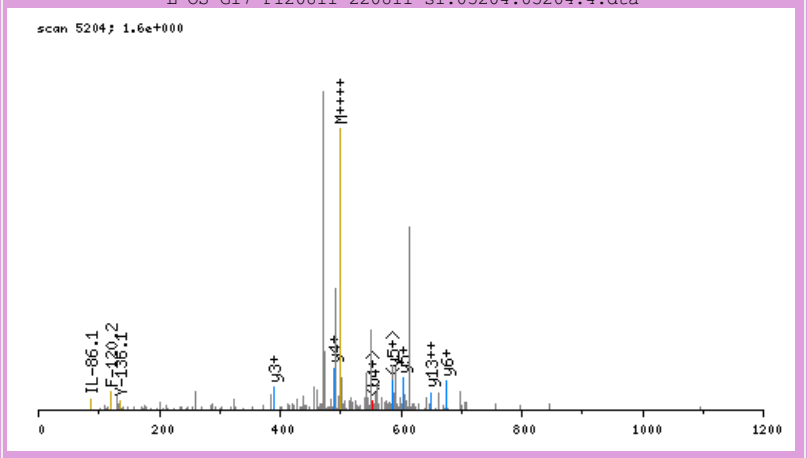
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	18		
286.1879	2	T	17	1953.9341	977.4709
401.2148	3	D	16	1852.8864	926.9471
530.2574	4	E	15	1737.8594	869.4336
601.2945	5	A	14	1608.8168	804.9123
672.3317	6	A	13	1537.7797	769.3938
819.4001	7	F	12	1466.7426	**733.8752**
947.4586	8	Q	11	1319.6742	660.3410
1103.5849	9	K	10	1191.6156	**596.3117**
1202.6534	10	V	9	1035.4893	518.2486
1333.6938	11	M	8	936.4209	468.7144
1420.7259	12	S	7	805.3804	**403.1941**
1534.7688	13	N	6	**718.3484**	359.6781
1647.8529	14	L	5	**604.3055**	**302.6566**
1762.8798	15	D	4	**491.2214**	**246.1146**
1849.9118	16	S	3	**376.1945**	188.6011
1963.9548	17	N	2	**289.1624**	145.0851
	18	R	1	**175.1195**	88.0637

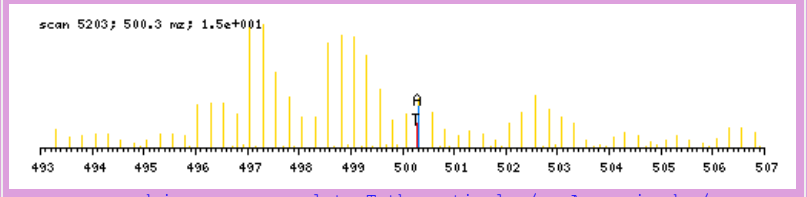
N-term:+29.04 K(9):+156.13

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

RTQKEIGDIAGVADVTIR, MH+ 1998.1348, m/z 500.2892
L OS G17 P120811 220811-s1.05204.05204.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



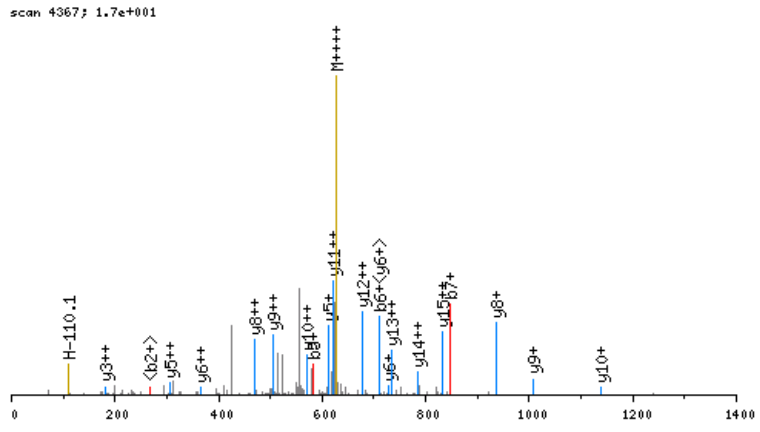
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	18		
286.1879	2	T	17	1814.0024	907.5051
414.2465	3	Q	16	1712.9547	856.9813
570.3728	4	K	15	1584.8961	792.9520
699.4154	5	E	14	1428.7698	714.8888
812.4994	6	I	13	1299.7272	**650.3675**
869.5209	7	G	12	1186.6432	593.8255
984.5478	8	D	11	1129.6217	565.3148
1097.6319	9	I	10	1014.5948	507.8013
1168.6690	10	A	9	901.5107	451.2593
1225.6905	11	G	8	830.4736	415.7407
1324.7589	12	V	7	773.4521	387.2300
1395.7960	13	A	6	**674.3837**	337.6958
1510.8229	14	D	5	**603.3466**	302.1772
1609.8914	15	V	4	**488.3197**	244.6637
1710.9390	16	T	3	**389.2512**	195.1295
1824.0231	17	I	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

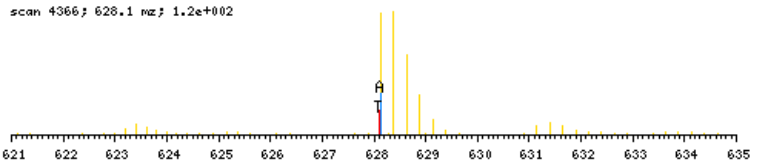
N-term:+29.04 K(4):+156.13

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

RVAPEEHPTLLTEAPLNPKANR, MH+ 2509.3891, m/z 628.1027
L OS G18 P120811 220811-s1.04367.04367.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



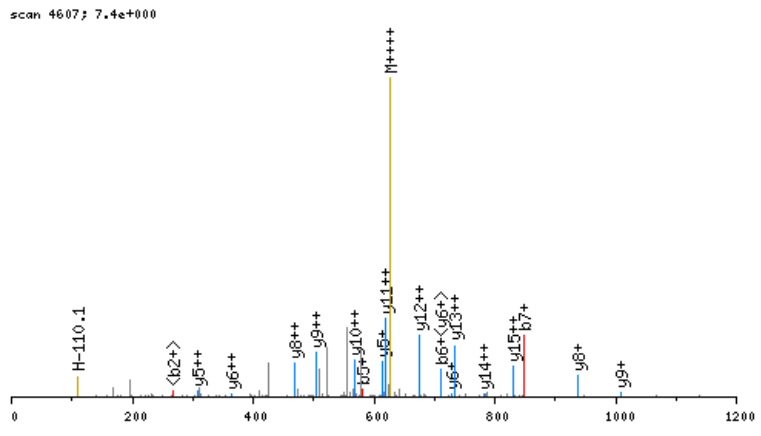
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	22		
284.2086	2	V	21	2325.2567	1163.1323
355.2457	3	A	20	2226.1883	1113.5981
452.2985	4	P	19	2155.1512	1078.0795
581.3411	5	E	18	2058.0984	1029.5531
710.3837	6	E	17	1929.0558	965.0318
847.4426	7	H	16	1800.0132	900.5105
944.4954	8	P	15	1662.9543	**831.9811**
1045.5430	9	T	14	1565.9016	**783.4547**
1158.6271	10	L	13	1464.8539	**732.9308**
1271.7112	11	L	12	1351.7698	**676.3888**
1372.7588	12	T	11	1238.6857	**619.8468**
1501.8014	13	E	10	**1137.6381**	**569.3229**
1572.8386	14	A	9	**1008.5955**	**504.8017**
1669.8913	15	P	8	**937.5584**	**469.2831**
1782.9754	16	L	7	840.5056	420.7567
1897.0183	17	N	6	**727.4215**	**364.2147**
1994.0711	18	P	5	**613.3786**	**307.1932**
2150.1974	19	K	4	516.3258	258.6668
2221.2345	20	A	3	360.1995	**180.6037**
2335.2774	21	N	2	289.1624	145.0851
	22	R	1	175.1195	88.0637

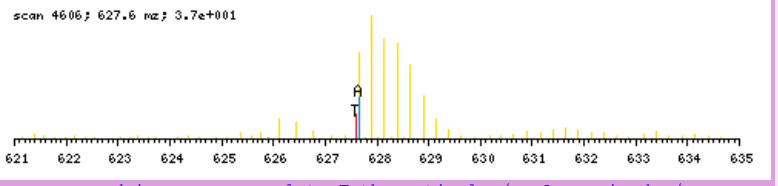
N-term:+29.04 K(19):+156.13

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

RVAPEEHPVLLTEAPLNPKANR, MH+ 2507.4098, m/z 627.6079
L OS G18 P120811 220811-s1.04607.04607.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



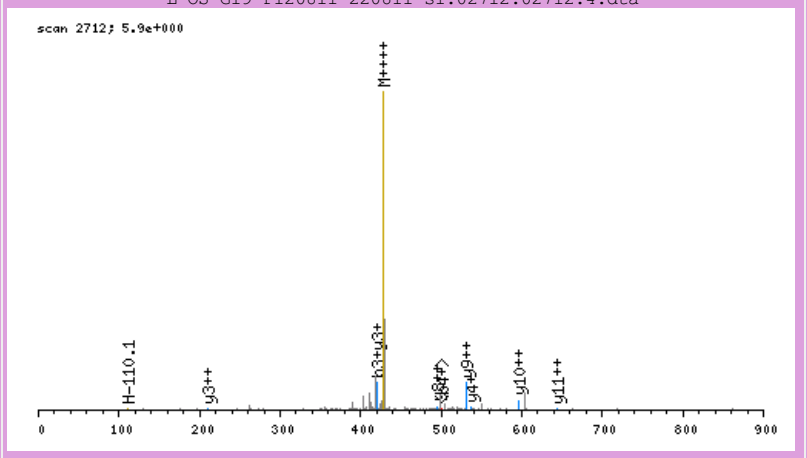
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	22		
284.2086	2	V	21	2323.2774	1162.1426
355.2457	3	A	20	2224.2090	1112.6084
452.2985	4	P	19	2153.1719	1077.0899
581.3411	5	E	18	2056.1192	1028.5635
710.3837	6	E	17	1927.0766	964.0422
847.4426	7	H	16	1798.0340	899.5209
944.4954	8	P	15	1660.9751	**830.9914**
1043.5638	9	V	14	1563.9223	**782.4651**
1156.6478	10	L	13	1464.8539	**732.9308**
1269.7319	11	L	12	1351.7698	**676.3888**
1370.7796	12	T	11	1238.6857	**619.8468**
1499.8222	13	E	10	1137.6381	**569.3229**
1570.8593	14	A	9	**1008.5955**	**504.8017**
1667.9121	15	P	8	**937.5584**	**469.2831**
1780.9961	16	L	7	840.5056	420.7567
1895.0390	17	N	6	**727.4215**	**364.2147**
1992.0918	18	P	5	**613.3786**	**307.1932**
2148.2181	19	K	4	516.3258	258.6668
2219.2552	20	A	3	360.1995	180.6037
2333.2982	21	N	2	289.1624	145.0851
	22	R	1	175.1195	88.0637

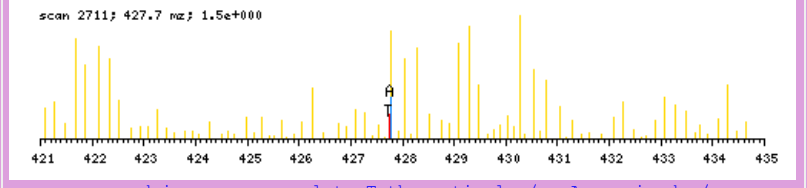
N-term:+29.04 K(19):+156.13

RVHPEAQAKVDVFR, MH+ 1707.9659, m/z 427.7469
L OS G19 P120811 220811-s1.02712.02712.4.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±]



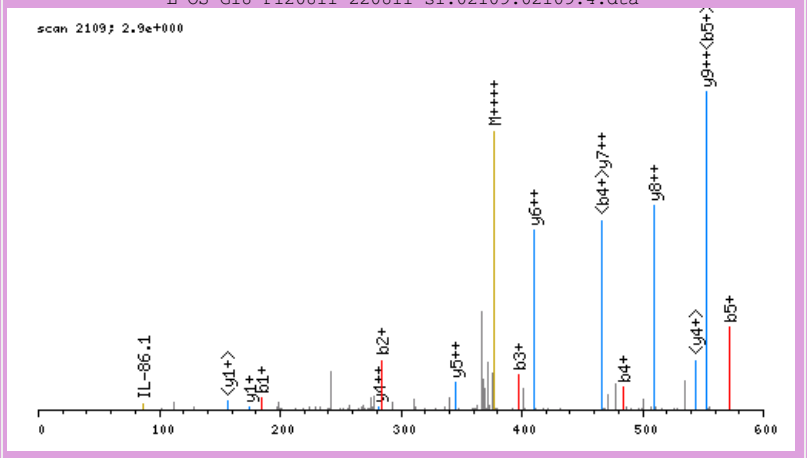
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
284.2086	2	V	13	1523.8335	762.4206
421.2675	3	H	12	1424.7651	712.8864
518.3203	4	P	11	1287.7061	**644.3570**
647.3629	5	E	10	1190.6534	**595.8306**
718.4000	6	A	9	1061.6108	**531.3093**
846.4586	7	Q	8	990.5737	**495.7908**
917.4957	8	A	7	862.5151	431.7615
1073.6220	9	K	6	791.4780	396.2429
1172.6904	10	V	5	635.3517	318.1798
1287.7174	11	D	4	**536.2833**	268.6455
1386.7858	12	V	3	**421.2563**	**211.1321**
1533.8542	13	F	2	322.1879	161.5979
	14	R	1	175.1195	88.0637

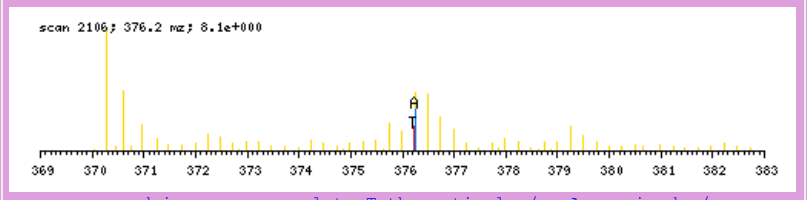
N-term:+29.04 K(9):+156.13

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

RVISSIEQKTER, MH+ 1501.8702, m/z 376.2230
L OS G18 P120811 220811-s1.02109.02109.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



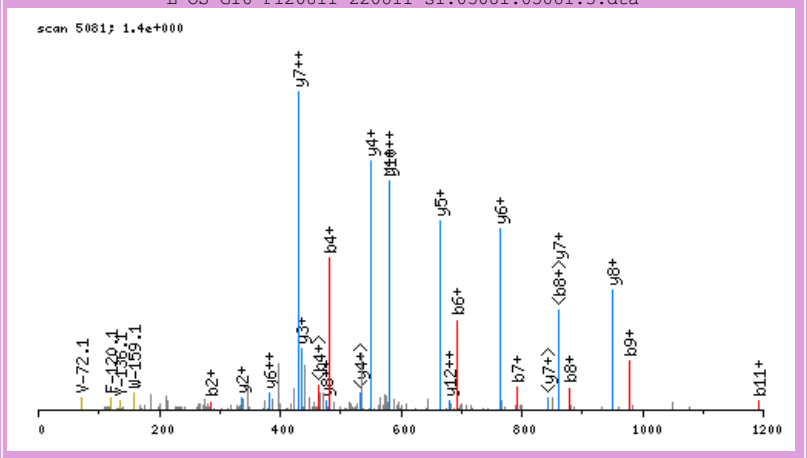
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	12		
284.2086	2	V	11	1317.7378	659.3728
397.2927	3	I	10	1218.6694	609.8386
484.3247	4	S	9	1105.5854	553.2966
571.3567	5	S	8	1018.5533	509.7806
684.4408	6	I	7	931.5213	466.2646
813.4834	7	E	6	818.4372	409.7225
941.5420	8	Q	5	689.3946	345.2012
1097.6683	9	K	4	561.3361	281.1719
1198.7160	10	T	3	405.2098	203.1088
1327.7586	11	E	2	304.1621	152.5850
	12	R	1	175.1195	88.0637

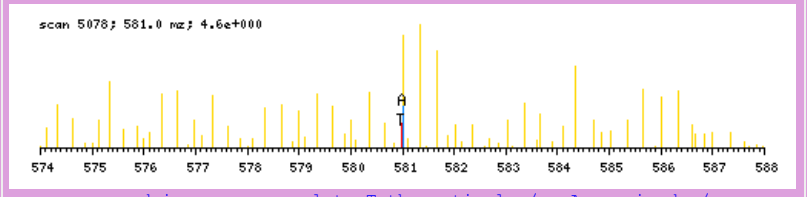
N-term:+29.04 K(9):+156.13

RVPTPNVSVVDLTCR, MH+ 1740.9430, m/z 580.9858
L OS G16 P120811 220811-s1.05081.05081.3.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±]



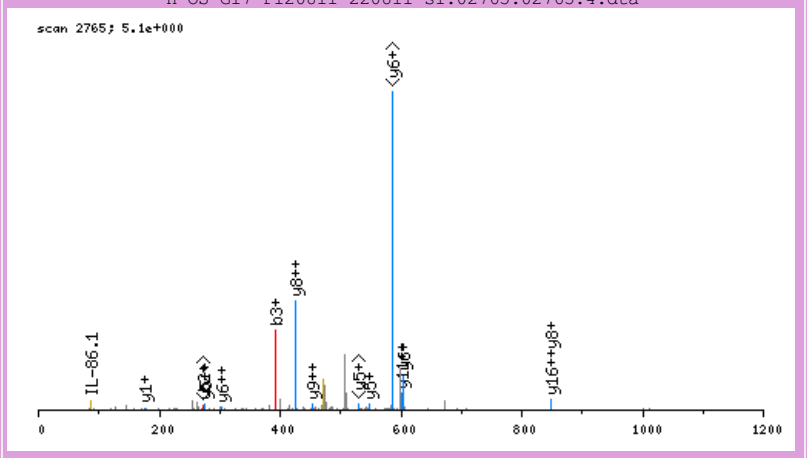
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	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

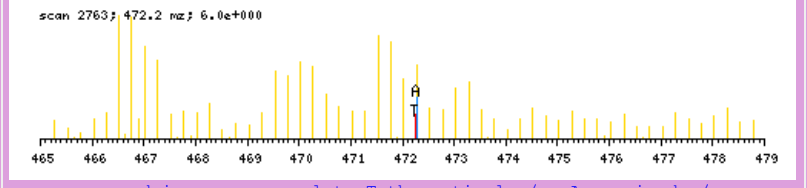
N-term:+29.04 C(14):+160.03

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

RVTHVGHCGEDGVTATR, MH+ 1885.9514, m/z 472.2433
H OS G17 P120811 220811-s1.02765.02765.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



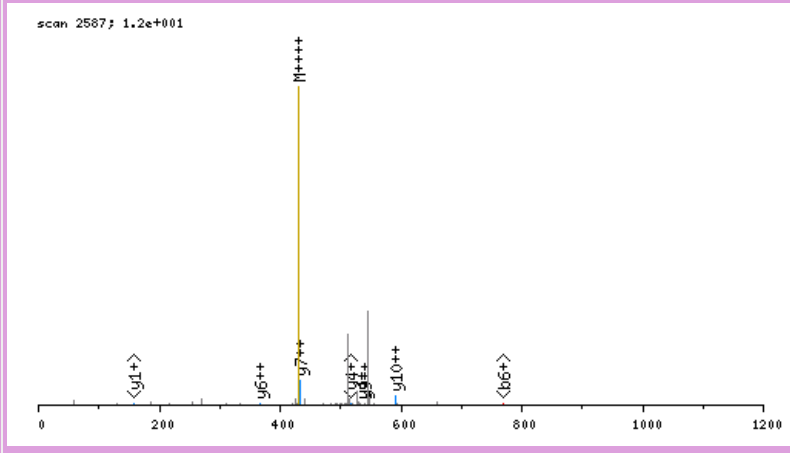
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	17		
290.2404	2	V	16	1695.7872	**848.3975**
391.2881	3	T	15	1596.7188	798.8633
528.3470	4	H	14	1495.6712	748.3395
627.4154	5	V	13	1358.6122	679.8100
684.4369	6	G	12	1259.5438	630.2758
821.4958	7	H	11	1202.5224	**601.7651**
981.5264	8	C	10	1065.4634	533.2356
1038.5479	9	G	9	905.4328	**453.2203**
1167.5905	10	E	8	**848.4114**	**424.7096**
1282.6174	11	D	7	719.3688	360.1883
1339.6389	12	G	6	**604.3418**	**302.6748**
1438.7073	13	V	5	**547.3204**	**274.1641**
1539.7550	14	T	4	448.2520	224.6299
1610.7921	15	A	3	347.2043	174.1061
1711.8398	16	T	2	276.1672	138.5875
	17	R	1	**175.1195**	88.0637

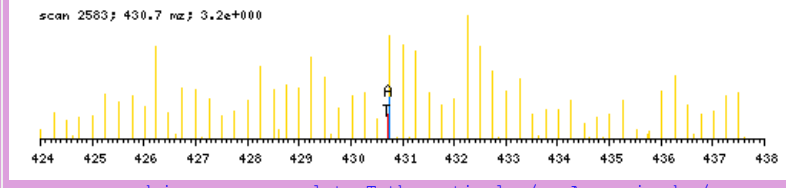
N-term:+35.07 C(8):+160.03

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

RYALTFAEAQEACR, MH+ 1719.8700, m/z 430.7230
H OS G17 P120811 220811-s1.02587.02587.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



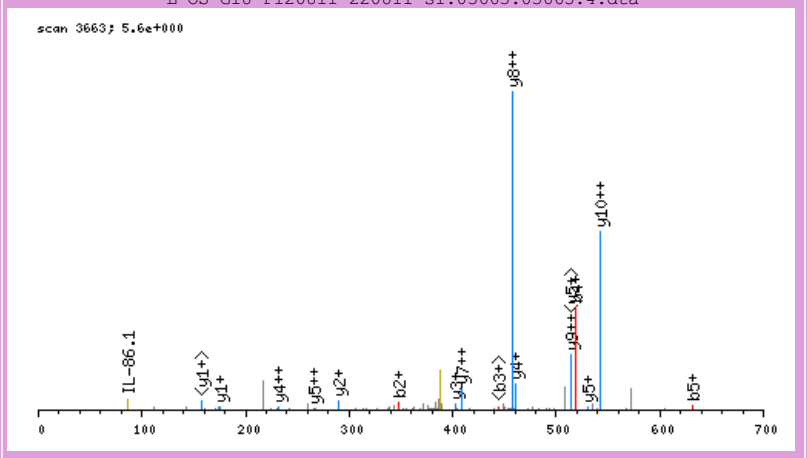
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
191.1720	1	R	14		
354.2353	2	Y	13	1529.7058	765.3568
425.2725	3	A	12	1366.6425	683.8252
538.3565	4	L	11	1295.6054	648.3066
639.4042	5	T	10	1182.5213	**591.7646**
786.4726	6	F	9	1081.4736	**541.2407**
857.5097	7	A	8	934.4052	467.7065
986.5523	8	E	7	863.3681	**432.1880**
1057.5894	9	A	6	734.3255	**367.6667**
1185.6480	10	Q	5	663.2884	332.1481
1314.6906	11	E	4	**535.2298**	268.1188
1385.7277	12	A	3	406.1872	203.5975
1545.7583	13	C	2	335.1501	168.0790
	14	R	1	175.1195	88.0637

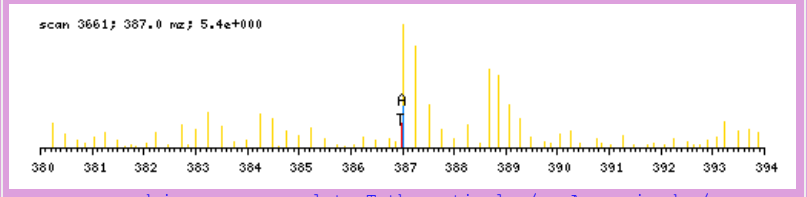
N-term:+35.07 C(13):+160.03

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

RYIGIVKQAGLDR, MH+ 1544.9277, m/z 386.9874
L OS G18 P120811 220811-s1.03663.03663.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



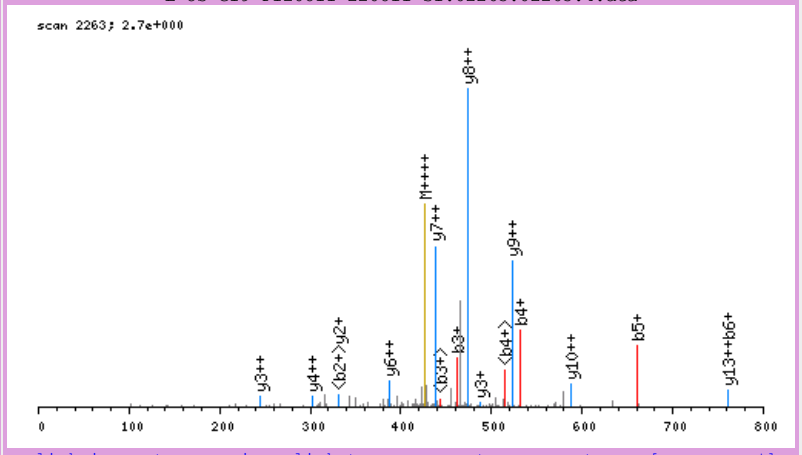
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	13		
348.2035	2	Y	12	1360.7953	680.9016
461.2876	3	I	11	1197.7320	599.3699
518.3091	4	G	10	1084.6479	542.8279
631.3931	5	I	9	1027.6264	514.3171
730.4615	6	V	8	914.5424	457.7751
886.5878	7	K	7	815.4740	408.2409
1014.6464	8	Q	6	659.3477	330.1777
1085.6835	9	A	5	531.2891	266.1485
1142.7050	10	G	4	460.2520	230.6299
1255.7891	11	L	3	403.2305	202.1192
1370.8160	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

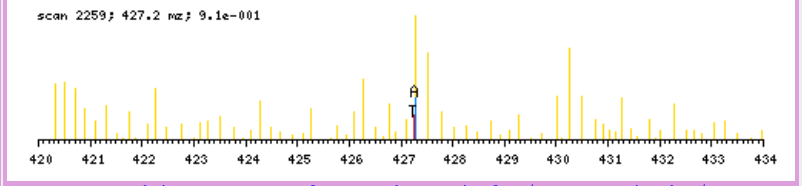
N-term:+29.04 K(7):+156.13

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

RYLAEVATGDDKKR, MH+ 1705.9601, m/z 427.2455
L OS G19 P120811 220811-s1.02263.02263.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



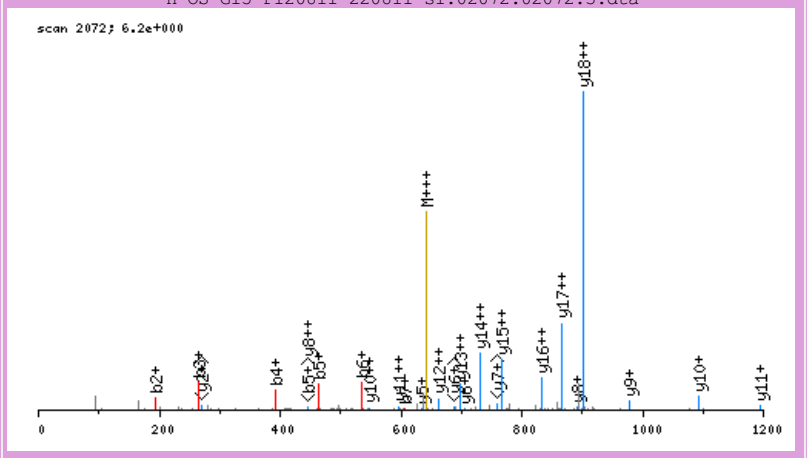
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
185.1402	1	R	14		
348.2035	2	Y	13	1521.8278	**761.4178**
461.2876	3	L	12	1358.7644	679.8861
532.3247	4	A	11	1245.6804	623.3441
661.3673	5	E	10	1174.6433	**587.8255**
760.4357	6	V	9	1045.6007	**523.3042**
831.4728	7	A	8	946.5322	**473.7700**
932.5205	8	T	7	875.4951	**438.2515**
989.5420	9	G	6	774.4475	**387.7276**
1104.5689	10	D	5	717.4260	359.2169
1219.5959	11	D	4	602.3990	**301.7034**
1375.7222	12	K	3	**487.3721**	**244.1900**
1531.8485	13	K	2	**331.2458**	166.1268
	14	R	1	175.1195	88.0637

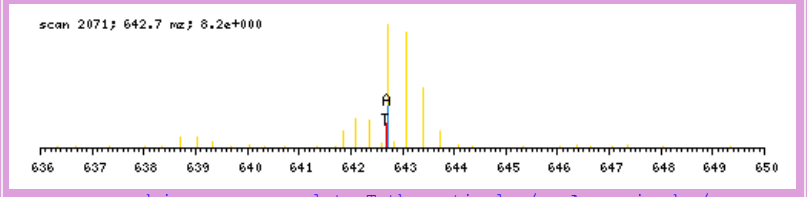
N-term:+29.04 K(12):+156.13
K(13):+156.13

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

SAAQAAAQTNSNAAGKQLR, MH+ 1926.0793, m/z 642.6980
H OS G15 P120811 220811-s1.02072.02072.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



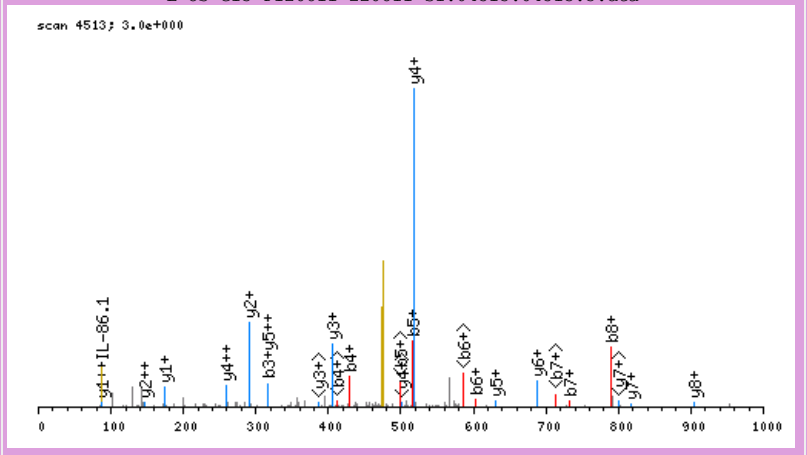
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
193.1400	2	A	18	1804.9842	902.9960
264.1772	3	A	17	1733.9471	867.4775
392.2357	4	Q	16	1662.9100	831.9589
463.2728	5	A	15	1534.8514	767.9296
534.3100	6	A	14	1463.8143	732.4111
605.3471	7	A	13	1392.7772	696.8925
733.4057	8	Q	12	1321.7401	661.3739
834.4533	9	T	11	1193.6815	597.3447
948.4963	10	N	10	1092.6338	546.8208
1035.5283	11	S	9	978.5909	489.7994
1149.5712	12	N	8	891.5589	446.2833
1220.6083	13	A	7	777.5159	389.2619
1291.6454	14	A	6	706.4788	353.7433
1348.6669	15	G	5	635.4417	318.2248
1510.8250	16	K	4	578.4202	289.7140
1638.8836	17	Q	3	416.2621	208.6350
1751.9676	18	L	2	288.2036	144.6057
	19	R	1	175.1195	88.0637

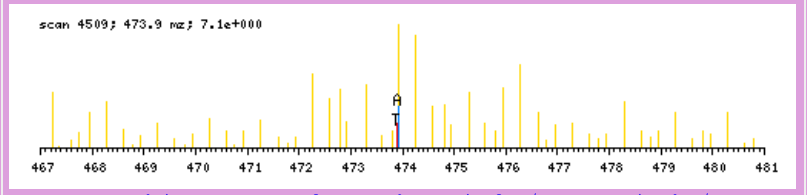
N-term:+35.07 K(16):+162.16

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

SAELSSEGILDDR, MH+ 1419.6967, m/z 473.9038
L OS G13 P120811 220811-s1.04513.04513.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



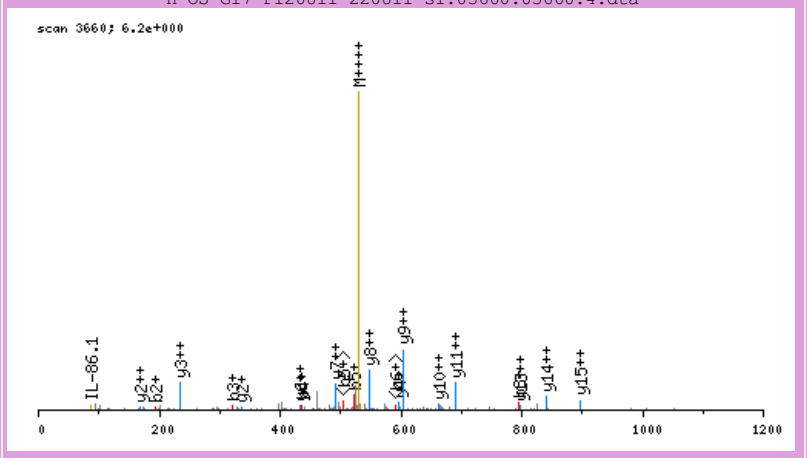
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
187.1082	2	A	12	1304.6334	652.8206
316.1508	3	E	11	1233.5963	617.3021
429.2349	4	L	10	1104.5537	552.7808
516.2669	5	S	9	991.4696	496.2387
603.2990	6	S	8	**904.4376**	452.7227
732.3415	7	E	7	**817.4056**	409.2067
789.3630	8	G	6	**688.3630**	344.6854
902.4471	9	I	5	**631.3415**	**316.1747**
1015.5311	10	L	4	**518.2575**	**259.6326**
1130.5581	11	D	3	**405.1734**	203.0906
1245.5850	12	D	2	**290.1464**	**145.5771**
	13	R	1	**175.1195**	**88.0637**

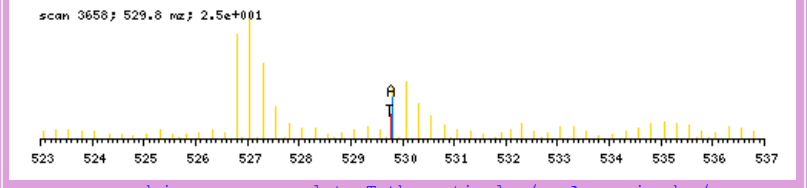
N-term:+29.04

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

SAELSSEGILDDRNEEKR, MH+ 2116.1158, m/z 529.7844
H OS G17 P120811 220811-s1.03660.03660.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



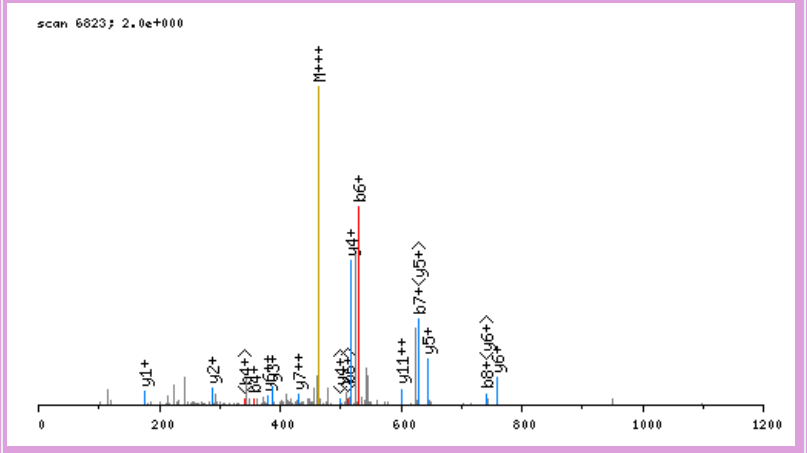
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	18		
193.1400	2	A	17	1995.0207	998.0143
322.1826	3	E	16	1923.9836	962.4957
435.2667	4	L	15	1794.9410	**897.9744**
522.2987	5	S	14	1681.8570	**841.4324**
609.3308	6	S	13	1594.8249	**797.9164**
738.3733	7	E	12	1507.7929	754.4004
795.3948	8	G	11	1378.7503	**689.8791**
908.4789	9	I	10	1321.7288	**661.3683**
1021.5629	10	L	9	1208.6448	**604.8263**
1136.5899	11	D	8	1095.5607	**548.2843**
1251.6168	12	D	7	980.5338	**490.7708**
1407.7179	13	R	6	865.5068	**433.2573**
1521.7609	14	N	5	709.4057	355.2068
1650.8035	15	E	4	**595.3628**	298.1853
1779.8461	16	E	3	466.3202	**233.6640**
1942.0042	17	K	2	**337.2776**	**169.1427**
	18	R	1	175.1195	88.0637

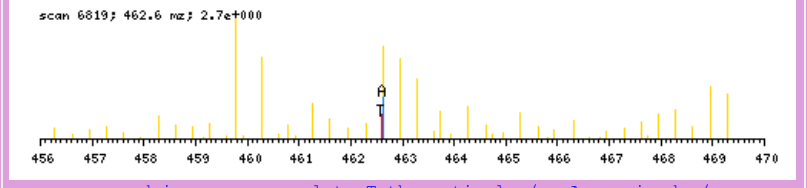
N-term:+35.07 K(17):+162.16

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

SAGIGDVLEEVIR, MH+ 1385.7640, m/z 462.5928
L OS G13 P120811 220811-s1.06823.06823.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



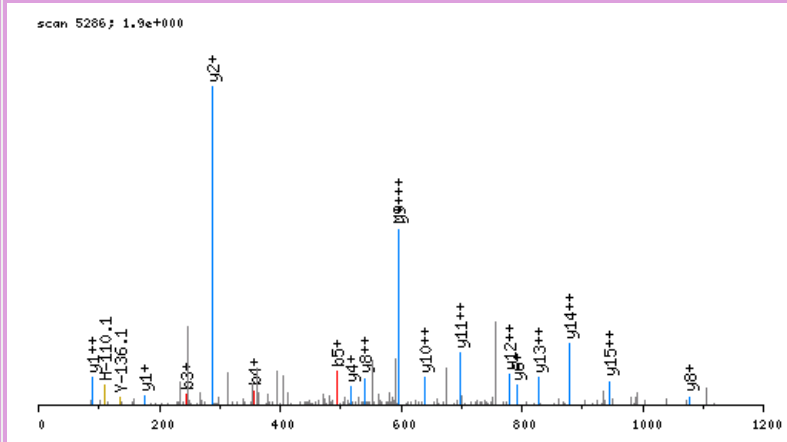
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
187.1082	2	A	12	1270.7007	635.8543
244.1297	3	G	11	1199.6636	**600.3357**
357.2138	4	I	10	1142.6421	571.8250
414.2352	5	G	9	1029.5580	515.2829
529.2622	6	D	8	972.5366	486.7722
628.3306	7	V	7	857.5096	**429.2587**
741.4147	8	L	6	**758.4412**	**379.7245**
870.4572	9	E	5	**645.3572**	323.1825
999.4998	10	E	4	**516.3146**	258.6612
1098.5683	11	V	3	**387.2720**	194.1399
1211.6523	12	I	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

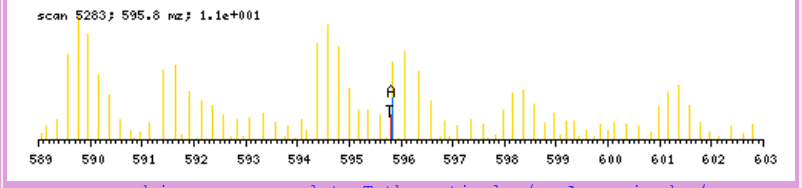
N-term:+29.04

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

SAGIHETTYNSIMKCDIDIR, MH+ 2380.1641, m/z 595.7965
L OS G17 P120811 220811-s1.05286.05286.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

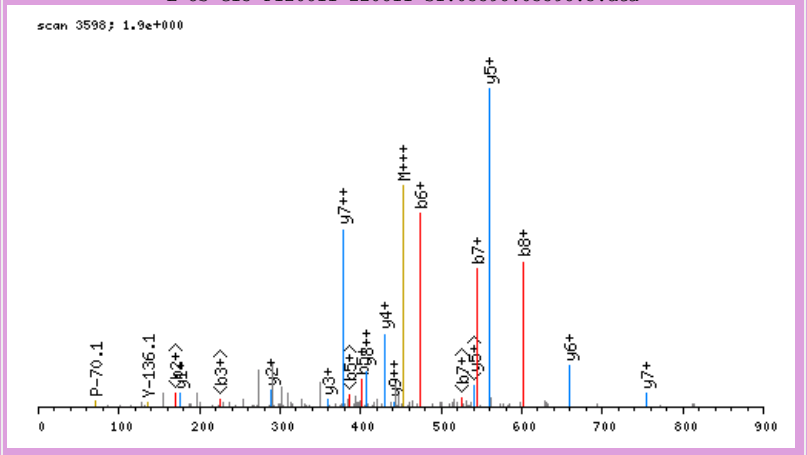


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

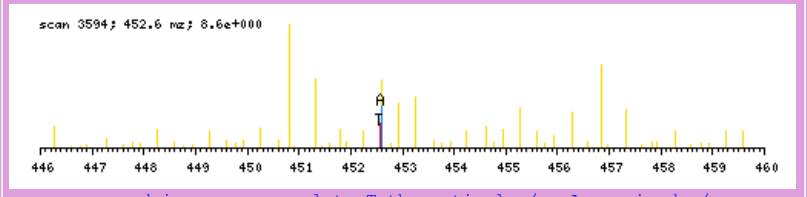
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
187.1082	2	A	19	2265.1008	1133.0543
244.1297	3	G	18	2194.0636	1097.5357
357.2138	4	I	17	2137.0422	1069.0250
494.2727	5	H	16	2023.9581	1012.4830
623.3153	6	E	15	1886.8992	**943.9535**
724.3630	7	T	14	1757.8566	**879.4322**
825.4106	8	T	13	1656.8089	**828.9084**
988.4740	9	Y	12	1555.7612	**778.3845**
1102.5169	10	N	11	1392.6979	**696.8529**
1189.5489	11	S	10	1278.6550	**639.8314**
1302.6330	12	I	9	1191.6230	**596.3154**
1433.6735	13	M	8	**1078.5389**	**539.7734**
1589.7998	14	K	7	947.4984	474.2531
1749.8304	15	C	6	**791.3721**	396.1900
1864.8573	16	D	5	631.3415	316.1747
1977.9414	17	I	4	**516.3146**	258.6612
2092.9683	18	D	3	403.2305	202.1192
2206.0524	19	I	2	**288.2036**	144.6057
	20	R	1	**175.1195**	**88.0637**

N-term:+29.04 K(14):+156.13
C(15):+160.03

SAGSAAAGPVEAAIR, MH+ 1355.7283, m/z 452.5809
L OS G13 P120811 220811-s1.03598.03598.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

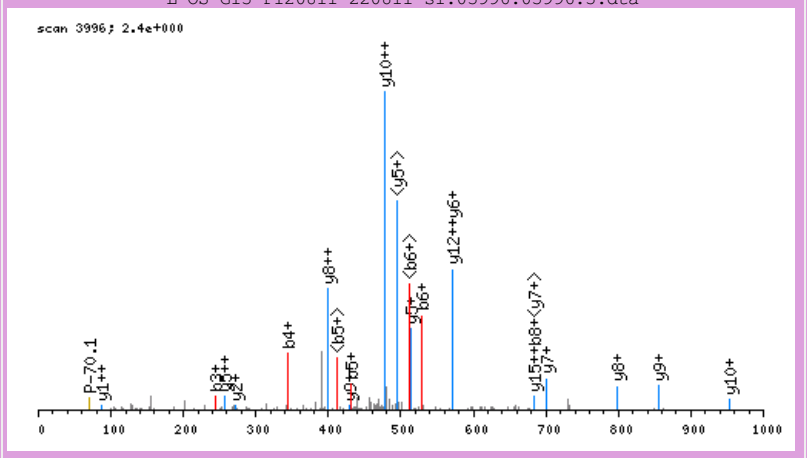
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

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

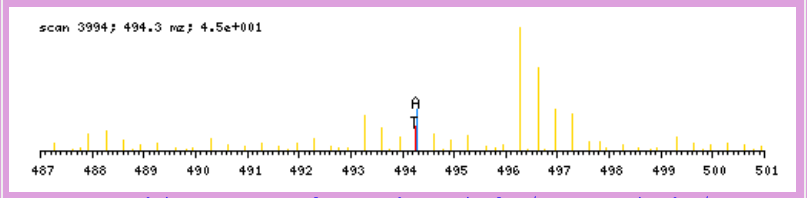
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SAGVSVPGPMGPSGPR, MH+ 1480.7582, m/z 494.2576
L OS G13 P120811 220811-s1.03996.03996.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



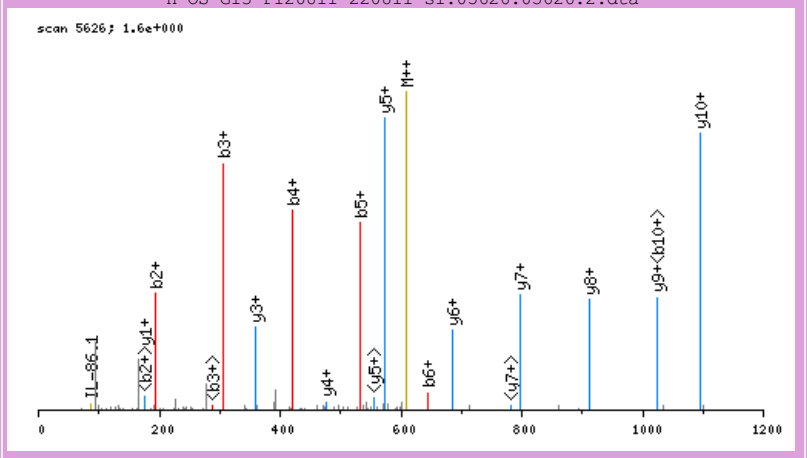
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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**

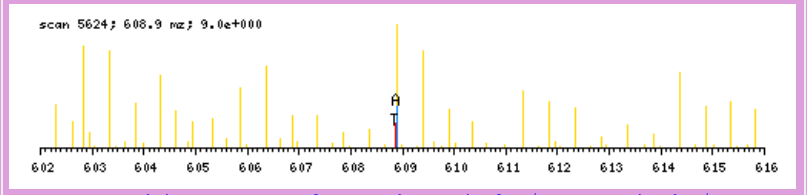
N-term:+29.04

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

SALLILPDQGR, MH+ 1216.7477, m/z 608.8775
H_OS_G13_P120811_220811-s1.05626.05626.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



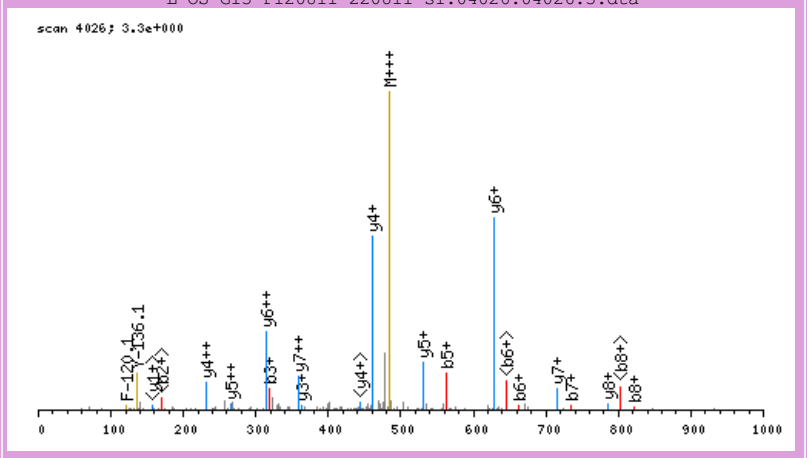
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

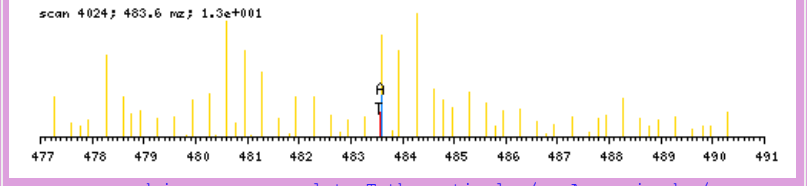
N-term:+35.07

SAMPFTASPAPSTR, MH+ 1448.7207, m/z 483.5784
L OS G13 P120811 220811-s1.04026.04026.3.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±]



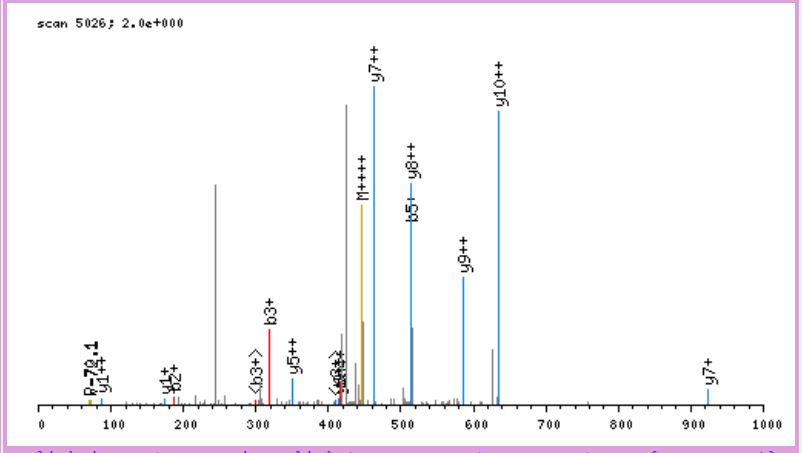
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
187.1082	2	A	13	1333.6574	667.3326
318.1487	3	M	12	1262.6203	631.8141
415.2015	4	P	11	1131.5798	566.2938
562.2699	5	F	10	1034.5271	517.7675
663.3176	6	T	9	887.4587	444.2332
734.3547	7	A	8	**786.4110**	393.7094
821.3867	8	S	7	**715.3739**	**358.1909**
918.4395	9	P	6	**628.3418**	**314.6748**
989.4766	10	A	5	**531.2891**	**266.1485**
1086.5294	11	P	4	**460.2520**	**230.6299**
1173.5614	12	S	3	**363.1992**	182.1035
1274.6091	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

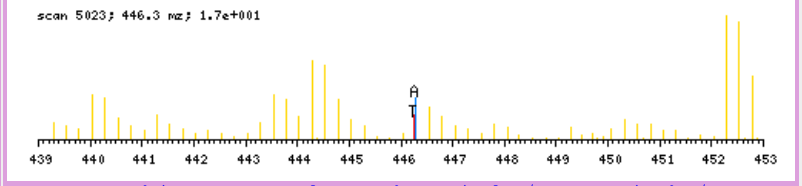
N-term:+29.04

SAMPVPFTPELKPKR, MH+ 1782.0352, m/z 446.2643
L OS G17 P120811 220811-s1.05026.05026.4.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±]



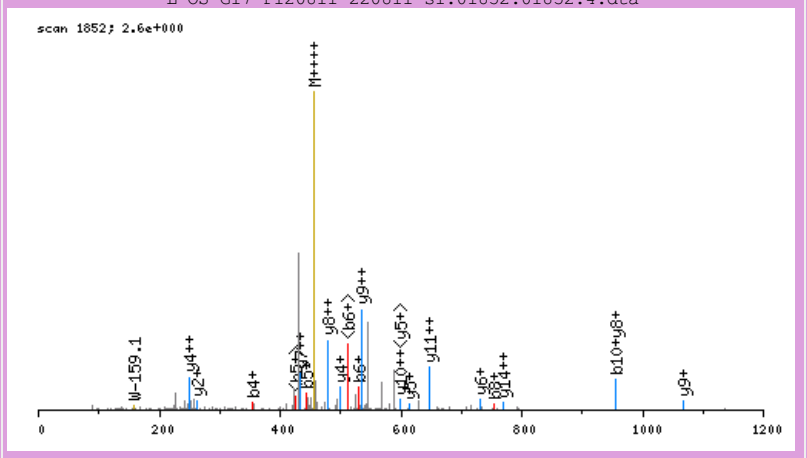
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
187.1082	2	A	14	1666.9719	833.9899
318.1487	3	M	13	1595.9348	798.4713
415.2015	4	P	12	1464.8943	732.9511
514.2699	5	V	11	1367.8416	684.4247
611.3227	6	P	10	1268.7731	**634.8905**
758.3911	7	F	9	1171.7204	**586.3641**
859.4388	8	T	8	1024.6520	**512.8299**
956.4915	9	P	7	**923.6043**	**462.3061**
1085.5341	10	E	6	826.5515	**413.7797**
1198.6182	11	L	5	697.5089	**349.2584**
1354.7445	12	K	4	584.4249	292.7163
1451.7972	13	P	3	428.2986	214.6532
1607.9235	14	K	2	331.2458	166.1268
	15	R	1	**175.1195**	**88.0637**

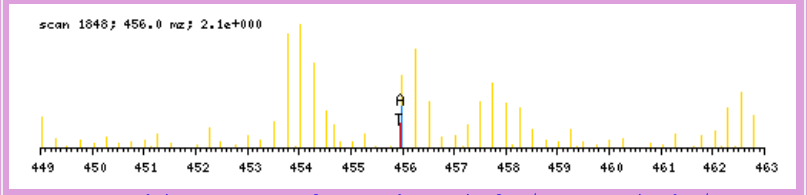
N-term:+29.04 K(12):+156.13
K(14):+156.13

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

SAPASSPQLSHDDTHSR, MH+ 1820.8527, m/z 455.9686
L OS G17 P120811 220811-s1.01852.01852.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



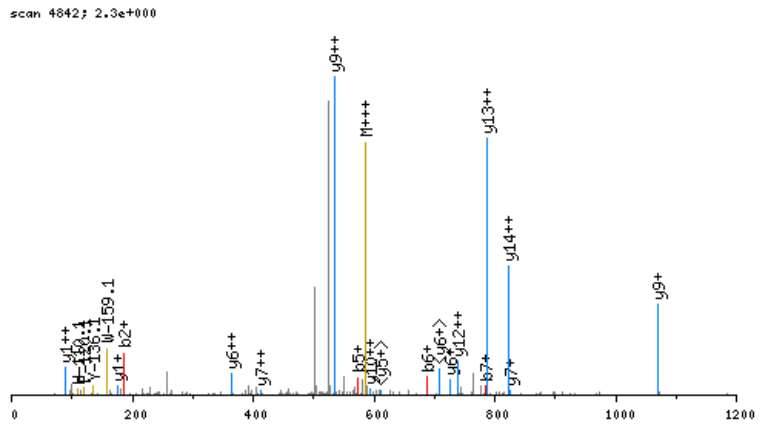
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
187.1082	2	A	16	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

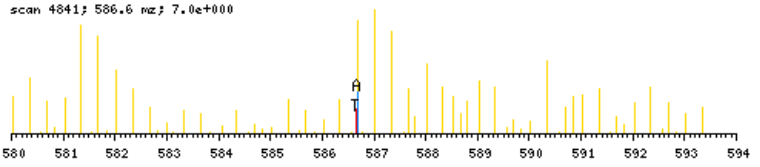
N-term:+29.04

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

SAPCEDPFTPAKILR, MH+ 1757.9260, m/z 586.6468
L OS G15 P120811 220811-s1.04842.04842.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



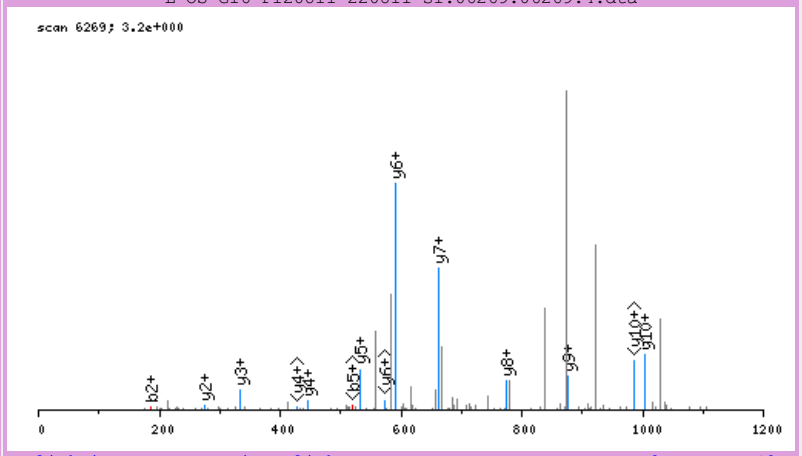
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
187.1082	2	A	14	1642.8627	**821.9353**
284.1610	3	P	13	1571.8256	**786.4167**
444.1916	4	C	12	1474.7728	**737.8903**
573.2342	5	E	11	1314.7422	657.8750
688.2611	6	D	10	1185.6996	**593.3537**
785.3139	7	P	9	**1070.6727**	**535.8402**
932.3823	8	F	8	973.6199	487.3139
1033.4300	9	T	7	**826.5515**	**413.7797**
1130.4828	10	P	6	**725.5038**	**363.2558**
1201.5199	11	A	5	628.4510	314.7294
1357.6462	12	K	4	557.4139	279.2109
1470.7302	13	I	3	401.2876	201.1477
1583.8143	14	L	2	288.2036	144.6057
	15	R	1	**175.1195**	**88.0637**

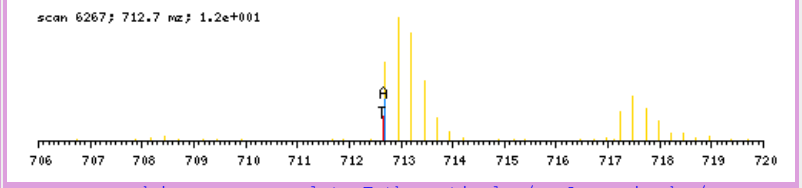
N-term:+29.04 C(4):+160.03
K(12):+156.13

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

SAPPKLASLKGVVPEDAVETLAGSLGTR, MH+ 2847.6196, m/z 712.6604
L OS G16 P120811 220811-s1.06269.06269.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



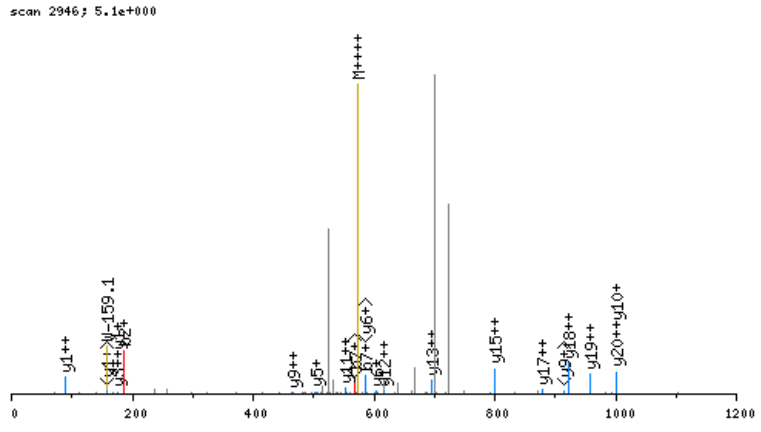
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

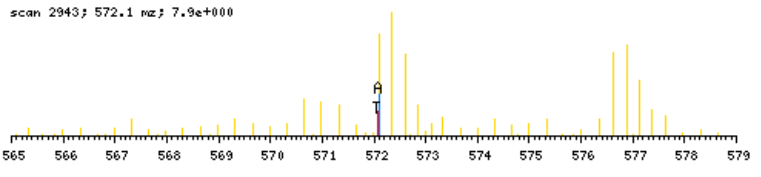
N-term:+29.04 K(5):+156.13
K(10):+156.13

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+ 2285.2465, m/z 572.0671
L OS G16 P120811 220811-s1.02946.02946.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



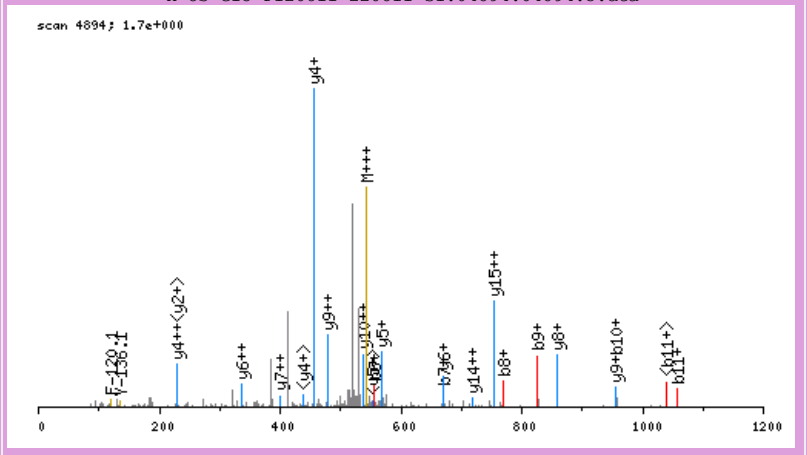
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
187.1082	2	A	22	2170.1832	1085.5955
284.1610	3	P	21	2099.1461	1050.0770
371.1930	4	S	20	2002.0934	**1001.5506**
442.2301	5	A	19	1915.0613	**958.0346**
529.2622	6	S	18	1844.0242	**922.5160**
586.2836	7	G	17	1756.9922	**879.0000**
687.3313	8	T	16	1699.9707	850.4893
784.3841	9	P	15	1598.9231	**799.9654**
898.4270	10	N	14	1501.8703	751.4391
1054.5533	11	K	13	1387.8274	**694.4176**
1183.5959	12	E	12	1231.7011	**616.3544**
1284.6436	13	T	11	1102.6585	**551.8331**
1355.6807	14	A	10	**1001.6108**	501.3093
1412.7022	15	G	9	930.5737	**465.7908**
1525.7862	16	L	8	873.5522	437.2800
1681.9125	17	K	7	760.4681	380.7380
1780.9809	18	V	6	**604.3418**	302.6748
1838.0024	19	G	5	**505.2734**	253.1406
1937.0708	20	V	4	448.2520	224.6299
2024.1028	21	S	3	349.1836	**175.0957**
2111.1349	22	S	2	262.1515	131.5797
	23	R	1	**175.1195**	**88.0637**

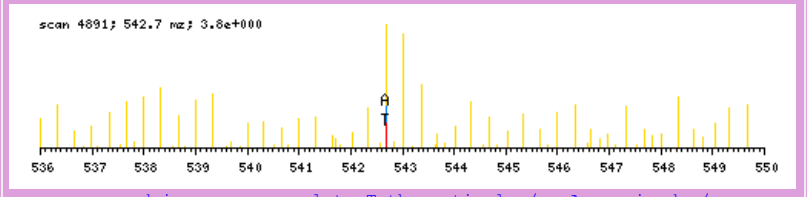
N-term:+29.04 K(11):+156.13
K(17):+156.13

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

SASKGGIVGMTLPIAR, MH+ 1626.0049, m/z 542.6731
H OS G15 P120811 220811-s1.04894.04894.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



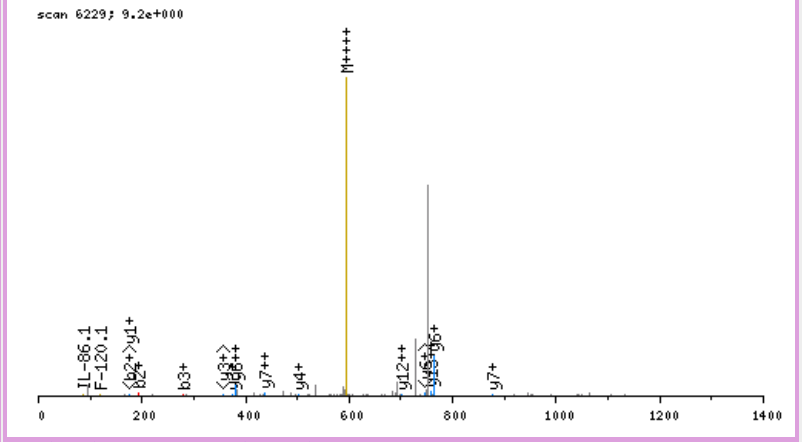
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
193.1400	2	A	15	1504.9098	**752.9588**
280.1721	3	S	14	1433.8727	**717.4402**
442.3302	4	K	13	1346.8406	673.9242
499.3516	5	G	12	1184.6825	592.8452
556.3731	6	G	11	1127.6611	564.3345
669.4572	7	I	10	1070.6396	**535.8237**
768.5256	8	V	9	**957.5555**	**479.2817**
825.5470	9	G	8	**858.4871**	429.7475
956.5875	10	M	7	801.4657	**401.2367**
1057.6352	11	T	6	**670.4252**	**335.7165**
1170.7193	12	L	5	**569.3775**	285.1927
1267.7720	13	P	4	**456.2934**	**228.6506**
1380.8561	14	I	3	359.2407	180.1243
1451.8932	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

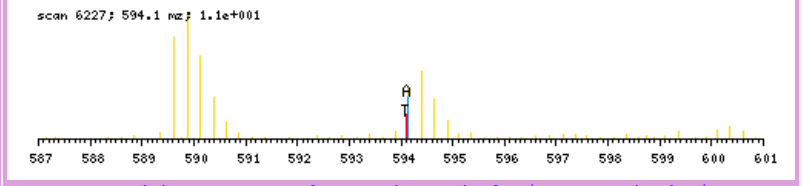
N-term:+35.07 K(4):+162.16

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

SASSTNLKDVLSNLIPKEQAR, MH+ 2373.4202, m/z 594.1105
H OS G16 P120811 220811-s1.06229.06229.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



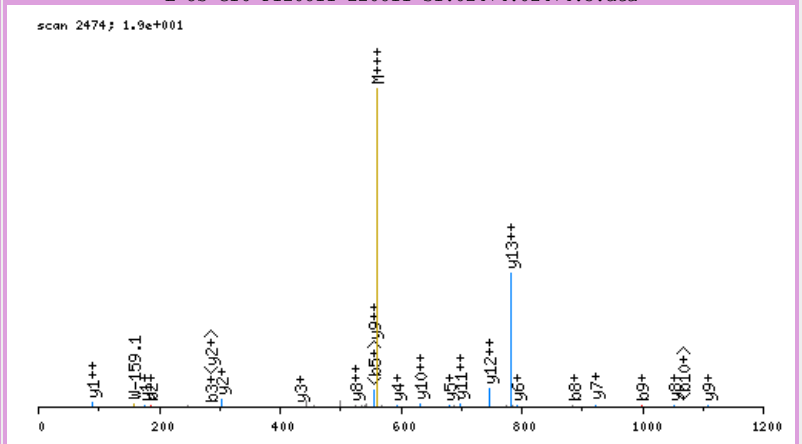
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

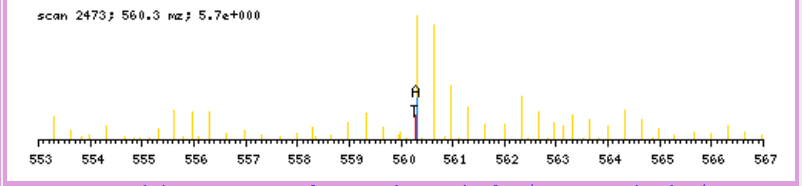
N-term:+35.07 K(8):+162.16
K(17):+162.16

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

SAVEKGEELSCEER, MH+ 1678.7958, m/z 560.2701
L OS G16 P120811 220811-s1.02474.02474.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



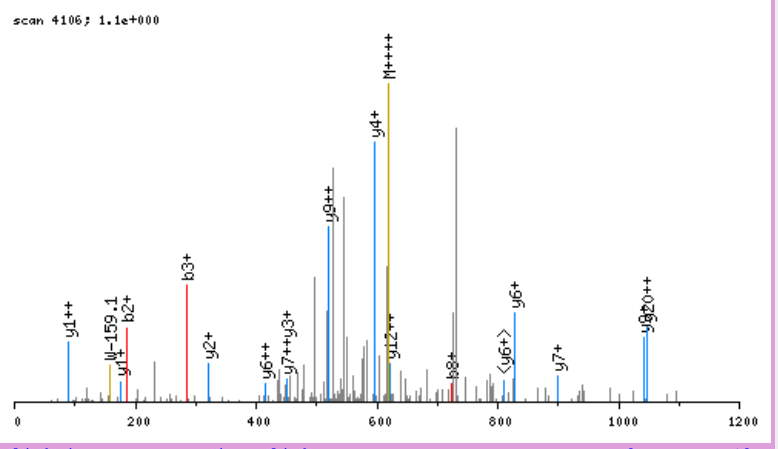
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
187.1082	2	A	13	1563.7325	**782.3701**
286.1767	3	V	12	1492.6953	**746.8516**
415.2192	4	E	11	1393.6269	**697.3174**
571.3455	5	K	10	1264.5843	**632.7961**
628.3670	6	G	9	**1108.4580**	**554.7329**
757.4096	7	E	8	**1051.4366**	**526.2222**
886.4522	8	E	7	**922.3940**	461.7009
999.5363	9	L	6	**793.3514**	397.1796
1086.5683	10	S	5	**680.2673**	340.6376
1246.5989	11	C	4	**593.2353**	297.1216
1375.6415	12	E	3	**433.2047**	217.1063
1504.6841	13	E	2	**304.1621**	152.5850
	14	R	1	**175.1195**	**88.0637**

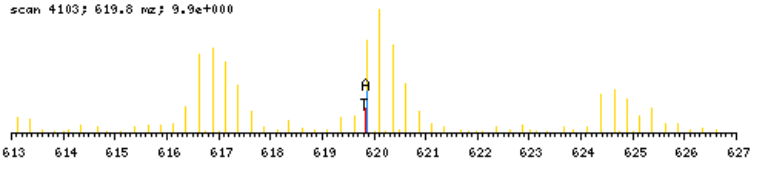
N-term:+29.04 K(5):+156.13
C(11):+160.03

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

SAVPPGADKKAEAGAGSATEFQFR, MH+ 2476.2837, m/z 619.8264
L OS G16 P120811 220811-s1.04106.04106.4.dta



click image to zoom in; click top corners to zoom out [precursor]



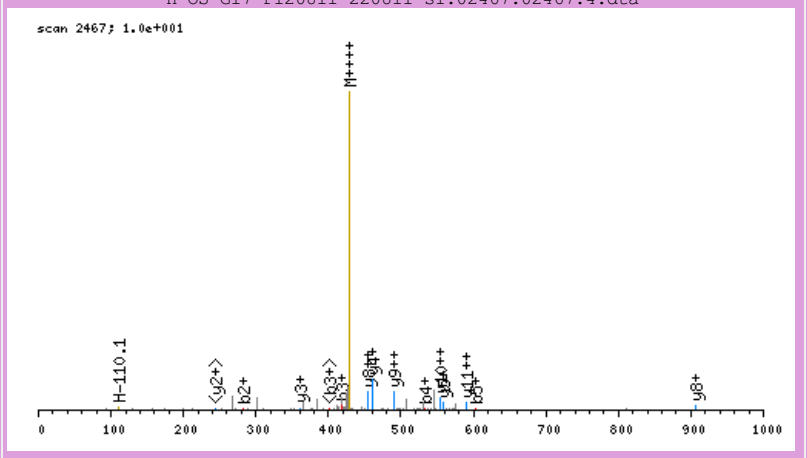
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
187.1082	2	A	23	2361.2204	1181.1141
286.1767	3	V	22	2290.1832	1145.5955
383.2294	4	P	21	2191.1148	1096.0613
480.2822	5	P	20	2094.0621	**1047.5349**
537.3036	6	G	19	1997.0093	999.0086
608.3408	7	A	18	1939.9878	970.4978
723.3677	8	D	17	1868.9507	934.9793
879.4940	9	K	16	1753.9238	877.4658
1035.6203	10	K	15	1597.7975	799.4027
1106.6574	11	A	14	1441.6712	721.3395
1235.7000	12	E	13	1370.6341	685.8209
1306.7371	13	A	12	1241.5915	**621.2997**
1363.7586	14	G	11	1170.5544	585.7811
1434.7957	15	A	10	1113.5329	557.2704
1491.8172	16	G	9	**1042.4958**	**521.7518**
1578.8492	17	S	8	985.4743	493.2411
1649.8863	18	A	7	**898.4423**	**449.7251**
1750.9340	19	T	6	**827.4052**	**414.2065**
1879.9766	20	E	5	726.3575	363.6827
2027.0450	21	F	4	**597.3149**	299.1614
2155.1036	22	Q	3	**450.2465**	225.6272
2302.1720	23	F	2	**322.1879**	161.5979
	24	R	1	**175.1195**	**88.0637**

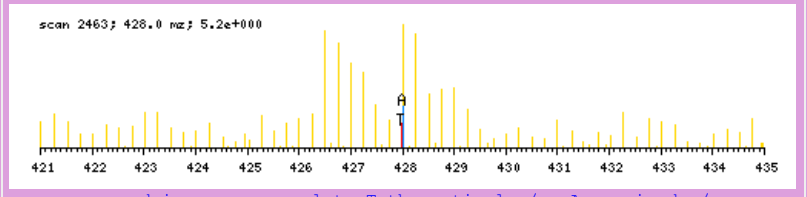
N-term:+29.04 K(9):+156.13
K(10):+156.13

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

SCHLAQAPNHVVVSR, MH+ 1708.9129, m/z 427.9837
H OS G17 P120811 220811-s1.02467.02467.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



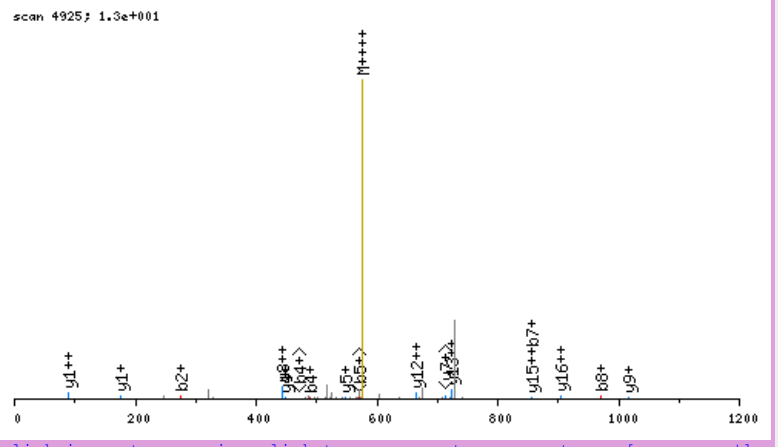
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

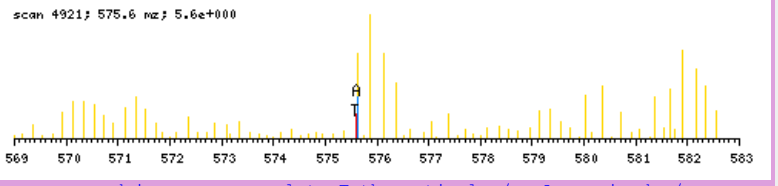
N-term:+35.07 C(2):+160.03

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SCLTPKLDGVKEKALVSSVR, MH+ 2299.3424, m/z 575.5910
L OS G18 P120811 220811-s1.04925.04925.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



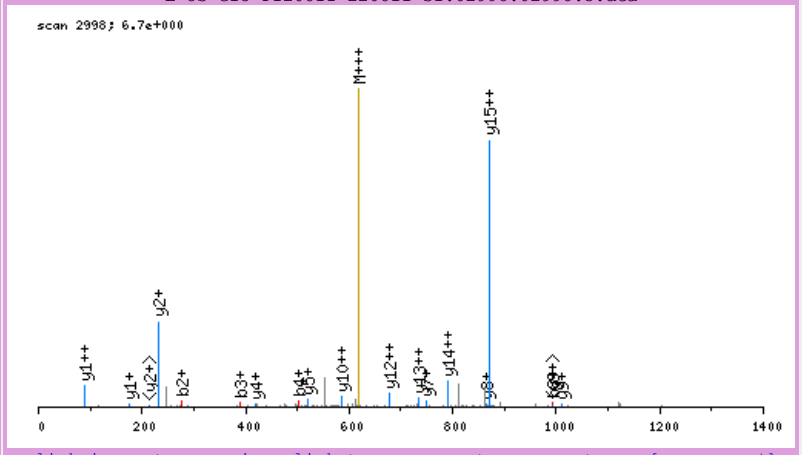
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
276.1017	2	C	19	2184.2790	1092.6434
389.1858	3	L	18	2024.2484	1012.6281
490.2335	4	T	17	1911.1644	956.0861
587.2862	5	P	16	1810.1167	**905.5623**
743.4125	6	K	15	1713.0639	**857.0359**
856.4966	7	L	14	1556.9376	778.9727
971.5235	8	D	13	1443.8536	**722.4307**
1028.5450	9	G	12	1328.8266	**664.9172**
1127.6134	10	V	11	1271.8052	636.4065
1283.7397	11	K	10	1172.7368	586.8723
1412.7823	12	E	9	**1016.6105**	508.8091
1568.9086	13	K	8	887.5679	**444.2878**
1639.9457	14	A	7	731.4416	366.2247
1753.0298	15	L	6	660.4044	330.7061
1852.0982	16	V	5	**547.3204**	274.1641
1939.1302	17	S	4	**448.2520**	224.6299
2026.1623	18	S	3	361.2199	181.1139
2125.2307	19	V	2	274.1879	137.5979
	20	R	1	**175.1195**	**88.0637**

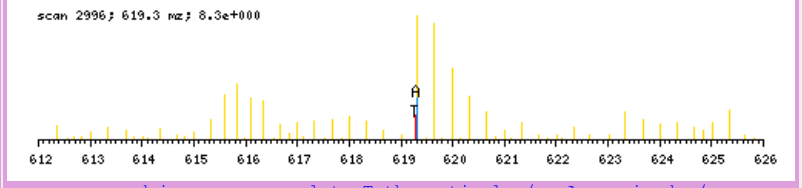
N-term:+29.04 C(2):+160.03
K(6):+156.13 K(11):+156.13
K(13):+156.13

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

SCNLGEKFDETTADGR, MH+ 1855.8496, m/z 619.2880
L OS G15 P120811 220811-s1.02998.02998.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



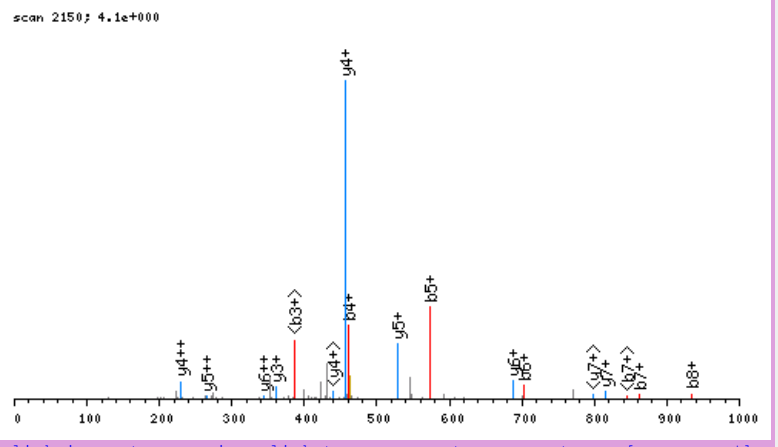
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
276.1017	2	C	15	1740.7863	**870.8971**
390.1447	3	N	14	1580.7557	**790.8818**
503.2287	4	L	13	1466.7127	**733.8603**
560.2502	5	G	12	1353.6287	**677.3183**
689.2928	6	E	11	1296.6072	648.8075
845.4191	7	K	10	1167.5646	**584.2862**
992.4875	8	F	9	**1011.4383**	506.2231
1107.5144	9	D	8	**864.3699**	432.6889
1236.5570	10	E	7	**749.3430**	375.1754
1337.6047	11	T	6	620.3004	310.6541
1438.6524	12	T	5	**519.2527**	260.1303
1509.6895	13	A	4	**418.2050**	209.6064
1624.7164	14	D	3	347.1679	174.0879
1681.7379	15	G	2	**232.1410**	116.5744
	16	R	1	**175.1195**	**88.0637**

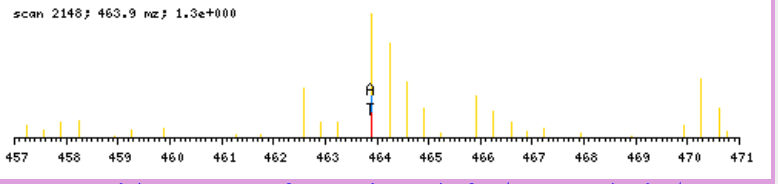
N-term:+29.04 C(2):+160.03
K(7):+156.13

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

SCQGIQCAPGQR, MH+ 1389.6366, m/z 463.8837
L OS G14 P120811 220811-s1.02150.02150.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



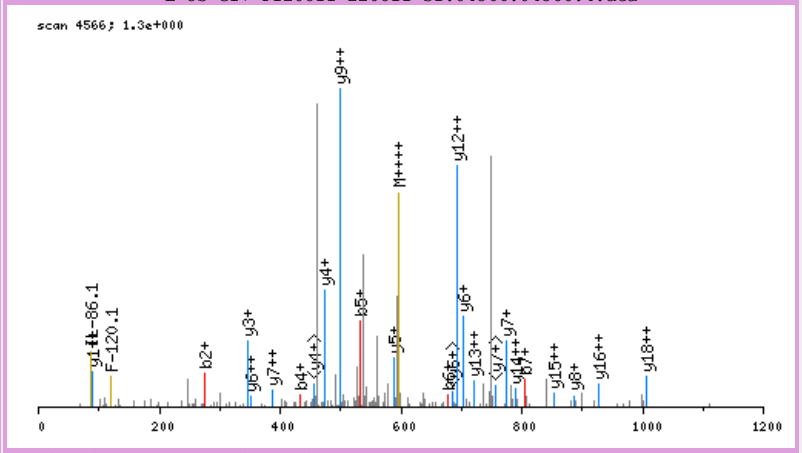
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
276.1017	2	C	11	1274.5733	637.7906
404.1603	3	Q	10	1114.5427	557.7753
461.1818	4	G	9	986.4841	493.7460
574.2658	5	I	8	929.4627	465.2352
702.3244	6	Q	7	**816.3786**	408.6932
862.3550	7	C	6	**688.3200**	**344.6639**
933.3921	8	A	5	**528.2894**	**264.6486**
1030.4449	9	P	4	**457.2523**	**229.1301**
1087.4664	10	G	3	**360.1995**	180.6037
1215.5249	11	Q	2	303.1781	152.0930
	12	R	1	175.1195	88.0637

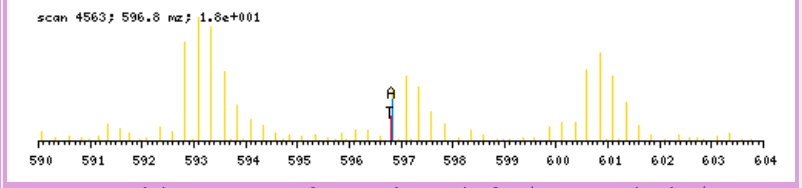
N-term:+29.04 C(2):+160.03
C(7):+160.03

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

SCVGVFQHGKVEIIANDQGNR, MH+ 2384.2145, m/z 596.8091
L OS G17 P120811 220811-s1.04566.04566.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



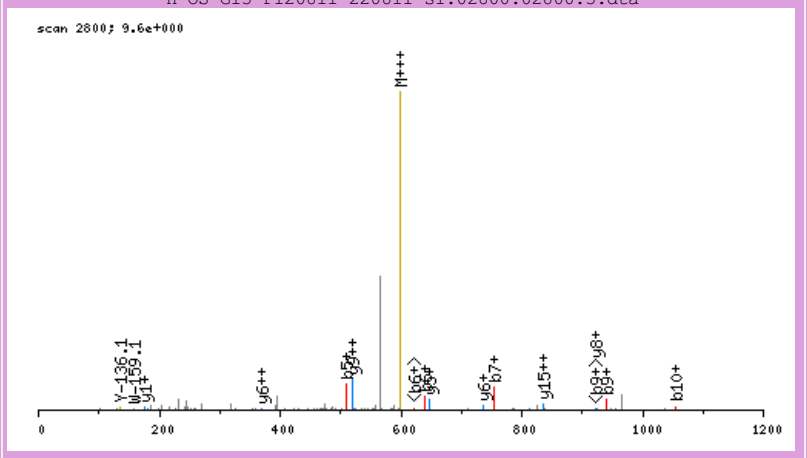
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
276.1017	2	C	20	2269.1511	1135.0795
375.1701	3	V	19	2109.1205	1055.0642
432.1916	4	G	18	2010.0521	**1005.5300**
531.2600	5	V	17	1953.0307	977.0192
678.3284	6	F	16	1853.9623	**927.4850**
806.3870	7	Q	15	1706.8938	**853.9508**
943.4459	8	H	14	1578.8353	**789.9215**
1000.4674	9	G	13	1441.7764	**721.3921**
1156.5937	10	K	12	1384.7549	**692.8814**
1255.6621	11	V	11	1228.6286	614.8182
1384.7047	12	E	10	1129.5602	565.2840
1497.7888	13	I	9	1000.5176	**500.7627**
1610.8728	14	I	8	**887.4335**	444.2207
1681.9099	15	A	7	**774.3495**	**387.6786**
1795.9529	16	N	6	**703.3123**	**352.1601**
1910.9798	17	D	5	**589.2694**	295.1386
2039.0384	18	Q	4	**474.2425**	237.6251
2096.0598	19	G	3	**346.1839**	173.5959
2210.1028	20	N	2	289.1624	145.0851
	21	R	1	175.1195	**88.0637**

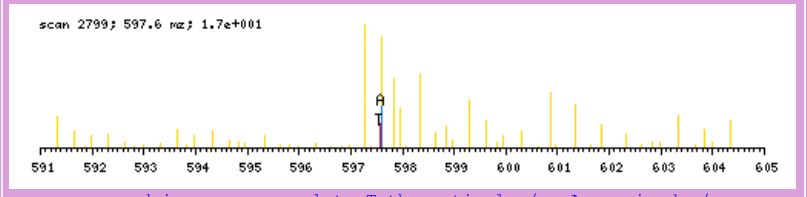
N-term:+29.04 C(2):+160.03
K(10):+156.13

SDADSEDDADSDDEDR, MH+ 1790.6536, m/z 597.5561
H_OS_G13_P120811_220811-s1.02800.02800.3.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±]



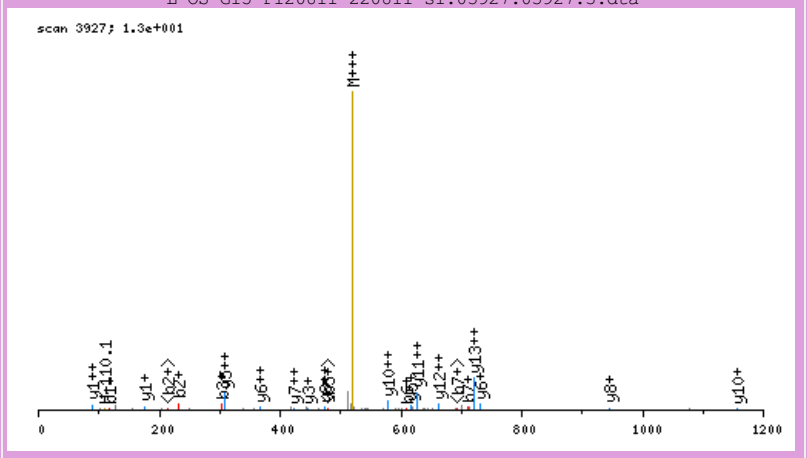
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
237.1299	2	D	15	1669.5585	**835.2832**
308.1670	3	A	14	1554.5316	777.7697
423.1939	4	D	13	1483.4945	742.2511
510.2260	5	S	12	1368.4675	684.7377
639.2685	6	E	11	1281.4355	641.2217
754.2955	7	D	10	1152.3929	576.7004
869.3224	8	D	9	1037.3660	**519.1869**
940.3595	9	A	8	**922.3390**	461.6734
1055.3865	10	D	7	851.3019	426.1549
1142.4185	11	S	6	**736.2750**	**368.6414**
1257.4455	12	D	5	**649.2429**	325.1254
1372.4724	13	D	4	534.2160	267.6119
1501.5150	14	E	3	419.1890	210.0984
1616.5419	15	D	2	290.1464	145.5771
	16	R	1	**175.1195**	88.0637

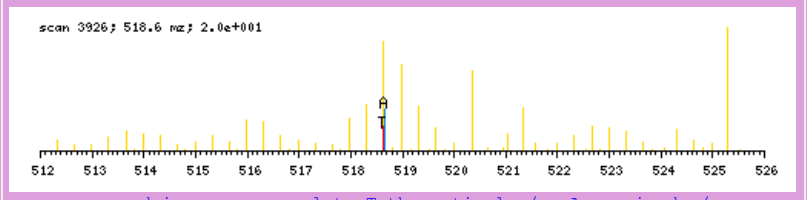
N-term:+35.07

SDAPPLTLDGIKDR, MH+ 1553.8539, m/z 518.6228
L OS G15 P120811 220811-s1.03927.03927.3.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±]



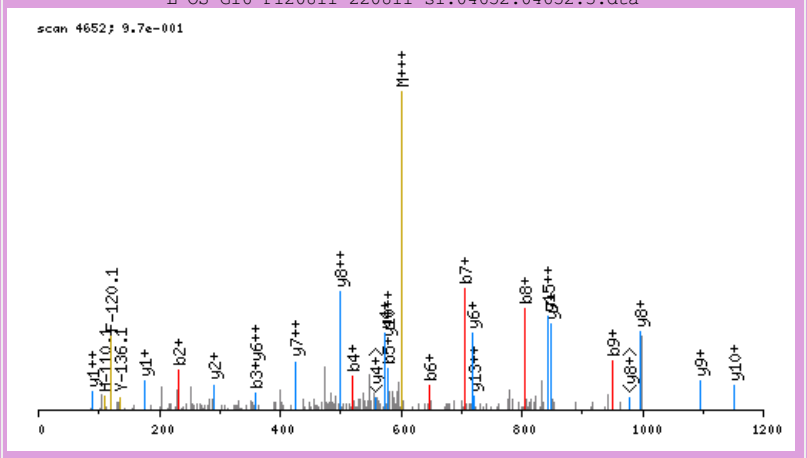
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
231.0981	2	D	13	1438.7906	719.8992
302.1352	3	A	12	1323.7637	662.3857
399.1879	4	P	11	1252.7265	626.8672
496.2407	5	P	10	1155.6738	578.3408
609.3248	6	L	9	1058.6210	529.8144
710.3725	7	T	8	945.5370	473.2724
823.4565	8	L	7	844.4893	422.7486
938.4835	9	D	6	731.4052	366.2065
995.5049	10	G	5	616.3783	308.6930
1108.5890	11	I	4	559.3568	280.1823
1264.7153	12	K	3	446.2727	223.6403
1379.7422	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

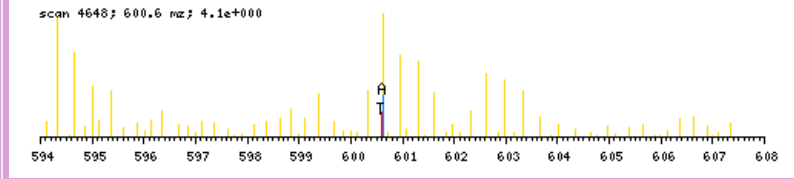
N-term:+29.04 K(12):+156.13

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

SDECGAGVFMGSHFDR, MH+ 1799.7481, m/z 600.5875
L OS G16 P120811 220811-s1.04652.04652.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



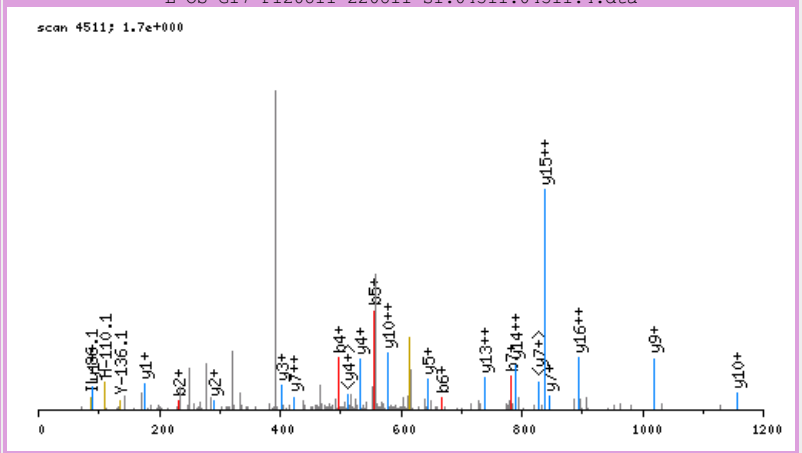
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
231.0981	2	D	15	1684.6848	842.8463
360.1407	3	E	14	1569.6578	785.3328
520.1713	4	C	13	1440.6152	720.8115
577.1927	5	G	12	1280.5846	640.7962
648.2298	6	A	11	1223.5632	612.2855
705.2513	7	G	10	1152.5260	576.7669
804.3197	8	V	9	1095.5046	548.2562
951.3881	9	F	8	996.4362	498.7220
1082.4286	10	M	7	849.3677	425.1878
1139.4501	11	G	6	718.3273	359.6675
1226.4821	12	S	5	661.3058	331.1568
1363.5410	13	H	4	574.2738	287.6408
1510.6094	14	F	3	437.2149	219.1113
1625.6364	15	D	2	290.1464	145.5771
	16	R	1	175.1195	88.0637

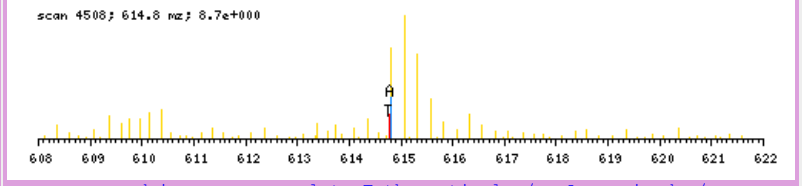
N-term:+29.04 C(4):+160.03

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

SDEHGIDPTGTYHGDSDLQLDR, MH+ 2456.0966, m/z 614.7796
L OS G17 P120811 220811-s1.04511.04511.4.dta



click image to zoom in; click top corners to zoom out [precursor‡]



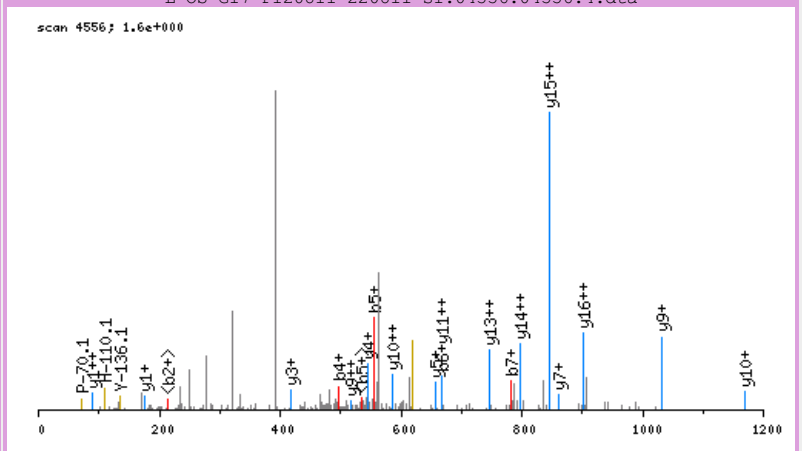
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
231.0981	2	D	21	2341.0333	1171.0205
360.1407	3	E	20	2226.0063	1113.5071
497.1996	4	H	19	2096.9637	1048.9858
554.2210	5	G	18	1959.9048	980.4563
667.3051	6	I	17	1902.8834	951.9456
782.3320	7	D	16	1789.7993	**895.4036**
879.3848	8	P	15	1674.7724	**837.8901**
980.4325	9	T	14	1577.7196	**789.3637**
1037.4540	10	G	13	1476.6719	**738.8399**
1138.5016	11	T	12	1419.6504	710.3291
1301.5650	12	Y	11	1318.6028	659.8053
1438.6239	13	H	10	**1155.5394**	**578.2736**
1495.6453	14	G	9	**1018.4805**	509.7442
1610.6723	15	D	8	961.4591	481.2334
1697.7043	16	S	7	**846.4321**	**423.7200**
1812.7313	17	D	6	759.4001	380.2040
1925.8153	18	L	5	**644.3731**	322.6905
2053.8739	19	Q	4	**531.2891**	266.1485
2166.9580	20	L	3	**403.2305**	202.1192
2281.9849	21	D	2	**290.1464**	145.5771
	22	R	1	**175.1195**	**88.0637**

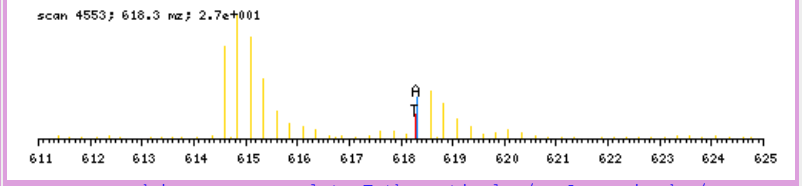
N-term:+29.04

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

SDEHGIDPTGTYHGDSDLQLER, MH+ 2470.1122, m/z 618.2835
L OS G17 P120811 220811-s1.04556.04556.4.dta



click image to zoom in; click top corners to zoom out [precursor]



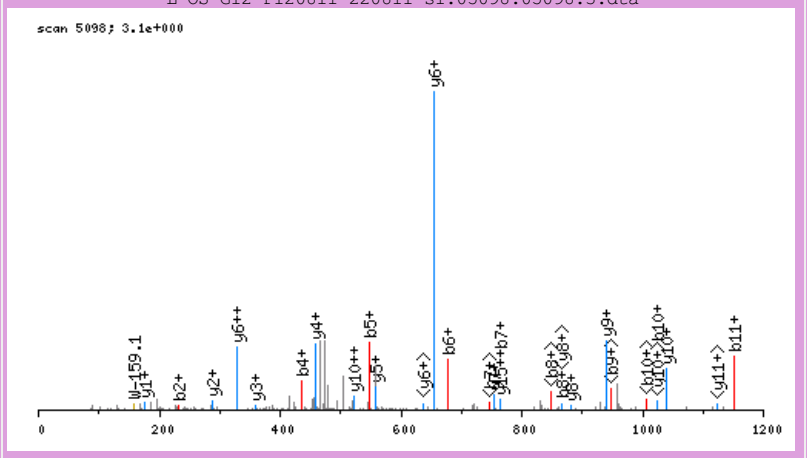
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
231.0981	2	D	21	2355.0489	1178.0284
360.1407	3	E	20	2240.0220	1120.5149
497.1996	4	H	19	2110.9794	1055.9936
554.2210	5	G	18	1973.9205	987.4641
667.3051	6	I	17	1916.8990	958.9534
782.3320	7	D	16	1803.8149	**902.4114**
879.3848	8	P	15	1688.7880	**844.8979**
980.4325	9	T	14	1591.7352	**796.3715**
1037.4540	10	G	13	1490.6876	**745.8477**
1138.5016	11	T	12	1433.6661	717.3370
1301.5650	12	Y	11	1332.6184	**666.8131**
1438.6239	13	H	10	**1169.5551**	**585.2815**
1495.6453	14	G	9	**1032.4962**	**516.7520**
1610.6723	15	D	8	975.4747	488.2413
1697.7043	16	S	7	**860.4478**	430.7278
1812.7313	17	D	6	773.4157	387.2118
1925.8153	18	L	5	**658.3888**	329.6983
2053.8739	19	Q	4	**545.3047**	273.1563
2166.9580	20	L	3	**417.2462**	209.1270
2296.0005	21	E	2	304.1621	152.5850
	22	R	1	**175.1195**	**88.0637**

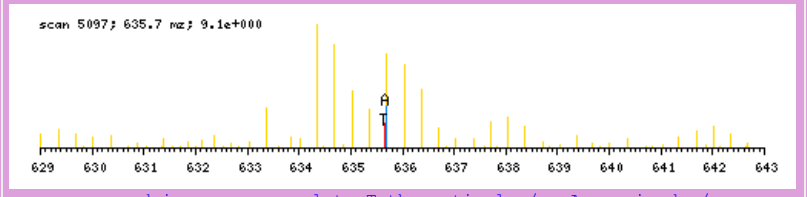
N-term:+29.04

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

SDFGLESTTGEVPVVAIR, MH+ 1904.9969, m/z 635.6705
L OS G12 P120811 220811-s1.05098.05098.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

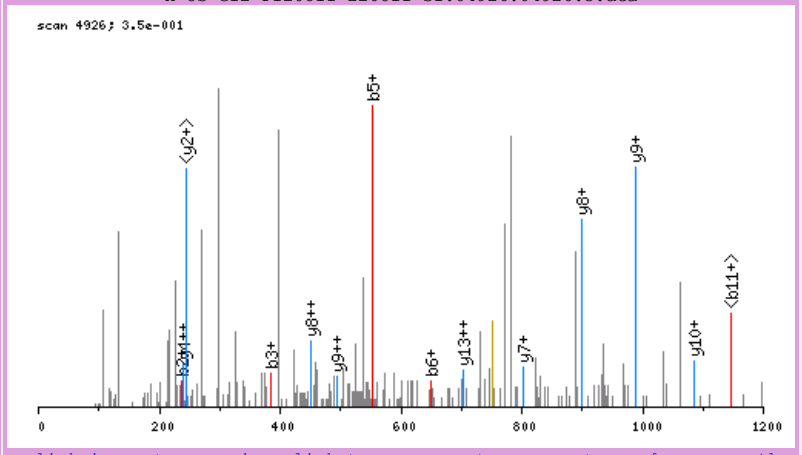


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

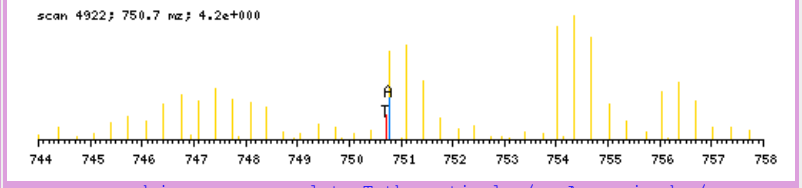
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
231.0981	2	D	17	1789.9336	895.4707
378.1665	3	F	16	1674.9067	837.9572
435.1879	4	G	15	1527.8382	764.4230
548.2720	5	L	14	1470.8168	735.9123
677.3146	6	E	13	1357.7327	679.3703
764.3466	7	S	12	1228.6901	614.8490
865.3943	8	T	11	1141.6581	571.3330
966.4420	9	T	10	1040.6104	520.8091
1023.4635	10	G	9	939.5627	470.2853
1152.5060	11	E	8	882.5413	441.7746
1251.5745	12	V	7	753.4987	377.2533
1348.6272	13	P	6	654.4303	327.7190
1447.6956	14	V	5	557.3775	279.1927
1546.7641	15	V	4	458.3091	229.6585
1617.8012	16	A	3	359.2407	180.1243
1730.8852	17	I	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

N-term:+29.04

SDFPAPPPYSAVSPPPEAFSR, MH+ 2250.1295, m/z 750.7147
H OS G12 P120811 220811-s1.04926.04926.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

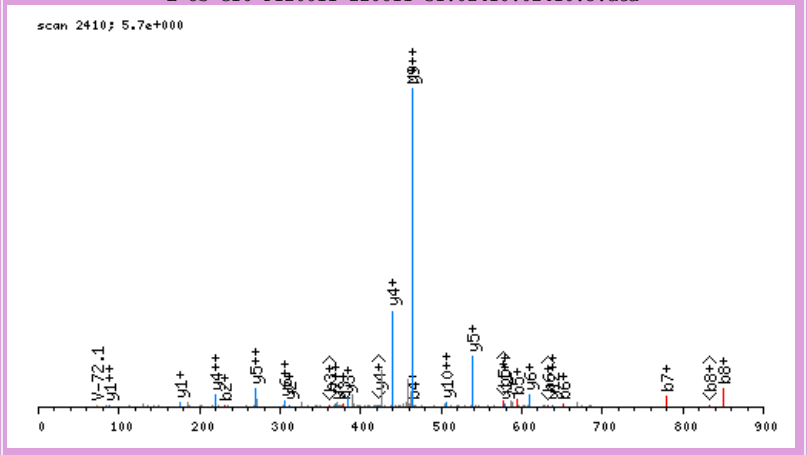
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
237.1299	2	D	20	2129.0344	1065.0211
384.1983	3	F	19	2014.0074	1007.5076
481.2510	4	P	18	1866.9390	933.9734
552.2882	5	A	17	1769.8863	885.4470
649.3409	6	P	16	1698.8491	849.9285
746.3937	7	P	15	1601.7964	801.4021
843.4465	8	P	14	1504.7436	752.8757
1006.5098	9	Y	13	1407.6909	**704.3493**
1093.5418	10	S	12	1244.6275	622.8177
1164.5789	11	A	11	1157.5955	579.3017
1263.6473	12	V	10	**1086.5584**	543.7831
1350.6794	13	S	9	**987.4900**	**494.2489**
1447.7321	14	P	8	**900.4579**	**450.7329**
1544.7849	15	P	7	**803.4052**	402.2065
1641.8377	16	P	6	706.3524	353.6801
1770.8803	17	E	5	609.2997	305.1537
1841.9174	18	A	4	480.2571	**240.6324**
1988.9858	19	F	3	409.2199	205.1139
2076.0178	20	S	2	262.1515	131.5797
	21	R	1	175.1195	88.0637

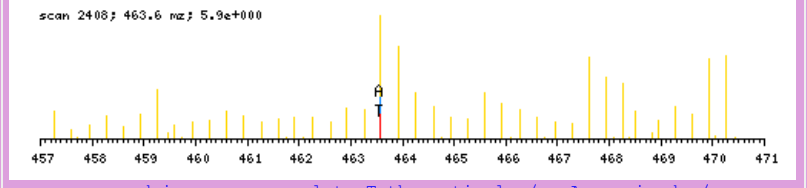
N-term:+35.07

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

SDFSEGQAVGAHR, MH+ 1388.6558, m/z 463.5568
L OS G16 P120811 220811-s1.02410.02410.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



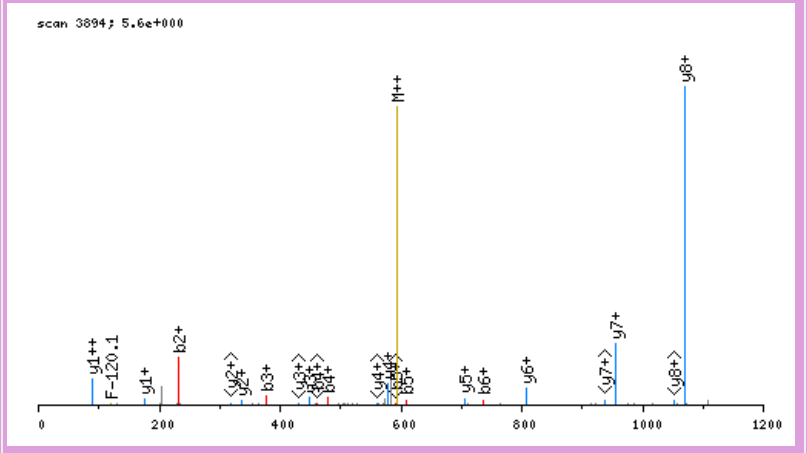
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
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

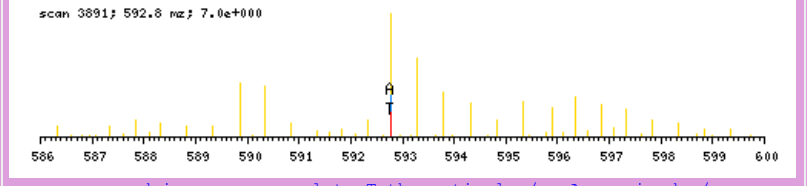
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SDFTEEICR, MH+ 1184.5257, m/z 592.7665
L OS G14 P120811 220811-s1.03894.03894.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



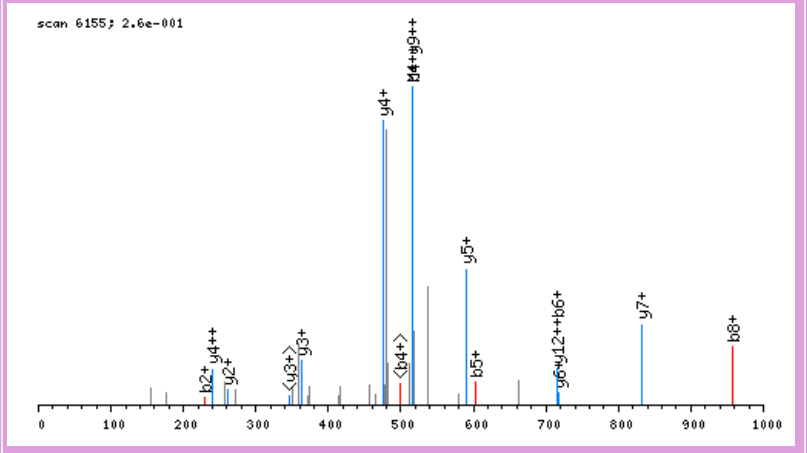
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	9		
231.0981	2	D	8	1069.4624	535.2351
378.1665	3	F	7	954.4354	477.7216
479.2142	4	T	6	807.3670	404.1874
608.2568	5	E	5	706.3194	353.6636
737.2994	6	E	4	577.2768	289.1423
850.3834	7	I	3	448.2342	224.6210
1010.4140	8	C	2	335.1501	168.0790
	9	R	1	175.1195	88.0637

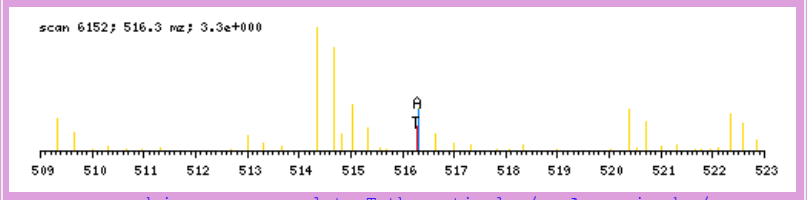
N-term:+29.04 C(8):+160.03

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

SDKESILELITSR, MH+ 1546.8692, m/z 516.2946
L OS G16 P120811 220811-s1.06155.06155.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



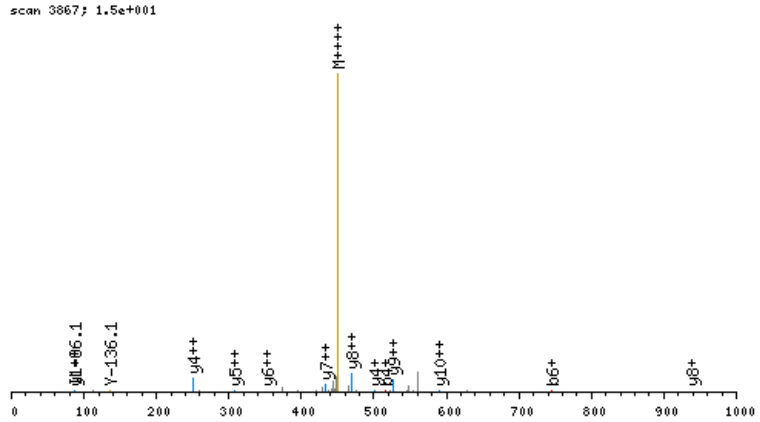
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
231.0981	2	D	12	1431.8059	716.4069
387.2244	3	K	11	1316.7790	658.8934
516.2670	4	E	10	1160.6527	580.8303
603.2990	5	S	9	1031.6101	516.3090
716.3831	6	I	8	944.5781	472.7929
829.4671	7	L	7	831.4940	416.2509
958.5097	8	E	6	718.4099	359.7089
1071.5938	9	L	5	589.3673	295.1876
1184.6778	10	I	4	476.2833	238.6455
1285.7255	11	T	3	363.1992	182.1035
1372.7575	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

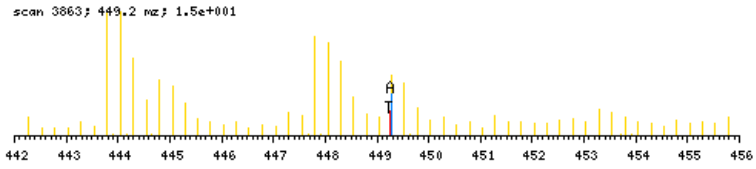
N-term:+29.04 K(3):+156.13

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

SDKEVEIAYSDVAKR, MH+ 1793.9650, m/z 449.2467
L OS G17 P120811 220811-s1.03867.03867.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



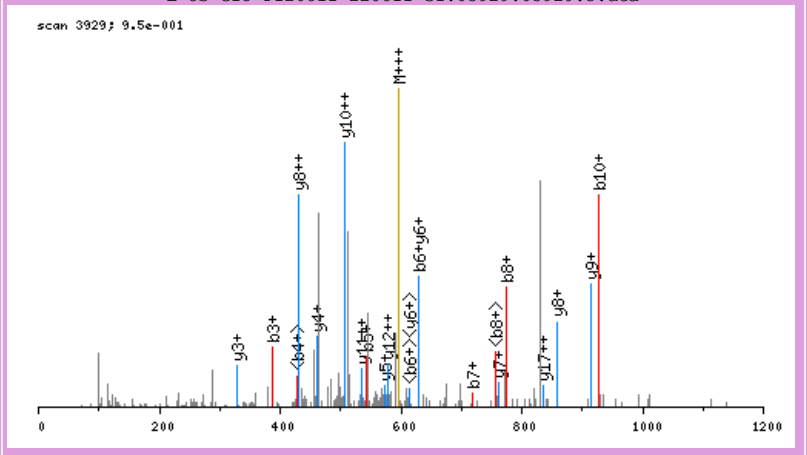
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
231.0981	2	D	14	1678.9016	839.9547
387.2244	3	K	13	1563.8747	782.4413
516.2670	4	E	12	1407.7484	704.3781
615.3354	5	V	11	1278.7058	639.8568
744.3780	6	E	10	1179.6374	**590.3226**
857.4620	7	I	9	1050.5948	**525.8013**
928.4991	8	A	8	**937.5107**	**469.2593**
1091.5625	9	Y	7	866.4736	**433.7407**
1178.5945	10	S	6	703.4103	**352.2091**
1293.6214	11	D	5	616.3783	**308.6930**
1392.6899	12	V	4	**501.3513**	**251.1796**
1463.7270	13	A	3	402.2829	201.6454
1619.8533	14	K	2	331.2458	166.1268
	15	R	1	175.1195	**88.0637**

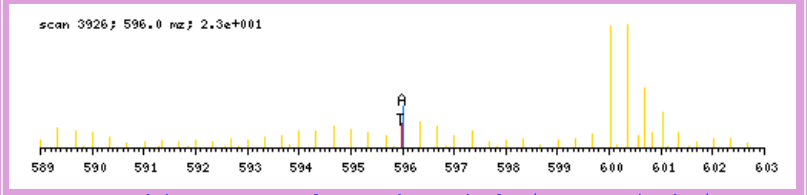
N-term:+29.04 K(3):+156.13
K(14):+156.13

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

SDKGVSSGPGPMGLMGPR, MH+ 1785.8992, m/z 595.9712
L OS G15 P120811 220811-s1.03929.03929.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



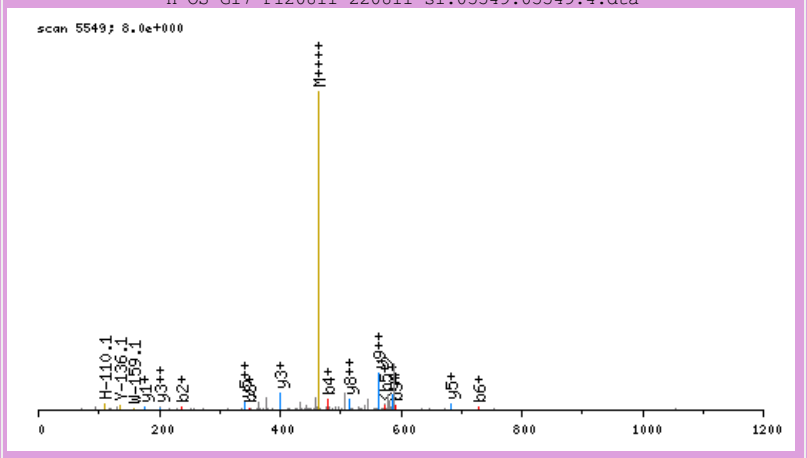
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

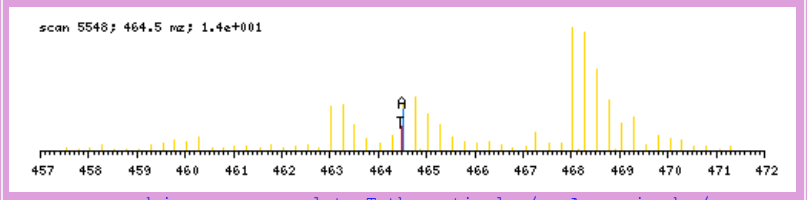
N-term:+29.04 K(3):+156.13

SDLELHPPSYPWSHR, MH+ 1854.9351, m/z 464.4892
H OS G17 P120811 220811-s1.05549.05549.4.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		
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

X-range: 0 - 0

MassTol: Y-zoom: 0. 1.

MassType: AVG MONO

Axis: 1 2

Label: I M -

Ions:

a [+] [2+] [3+]

b [+] [2+] [3+]

c [+] [2+] [3+]

x [+] [2+] [3+]

y [+] [2+] [3+]

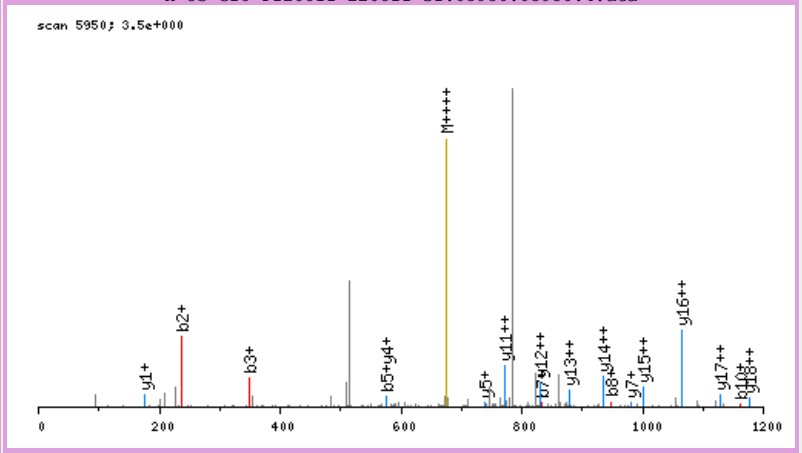
z [+] [2+] [3+]

hide H_2O/NH_3

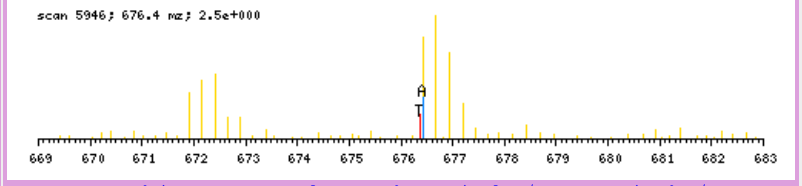
zoom 112-122

GO

SDLPQEELVDQKCLLQKYTHR, MH+ 2702.5036, m/z 676.3813
H OS G18 P120811 220811-s1.05950.05950.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



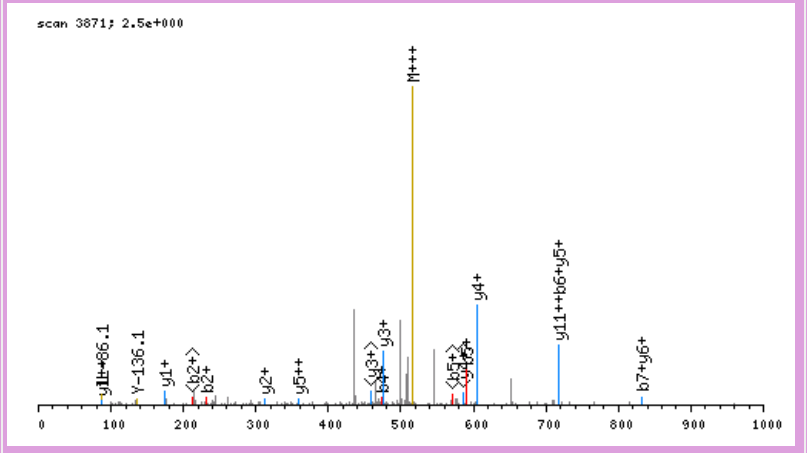
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
237.1299	2	D	20	2581.4085	1291.2081
350.2139	3	L	19	2466.3815	1233.6947
447.2667	4	P	18	2353.2975	1177.1526
575.3253	5	Q	17	2256.2447	1128.6263
704.3679	6	E	16	2128.1861	1064.5970
833.4105	7	E	15	1999.1435	1000.0757
946.4945	8	L	14	1870.1009	935.5544
1045.5629	9	V	13	1757.0169	879.0123
1160.5899	10	D	12	1657.9484	829.4781
1288.6485	11	Q	11	1542.9215	771.9647
1450.8066	12	K	10	1414.8629	707.9354
1610.8372	13	C	9	1252.7048	626.8563
1723.9212	14	L	8	1092.6742	546.8410
1837.0053	15	L	7	979.5902	490.2990
1965.0639	16	Q	6	866.5061	433.7570
2127.2220	17	K	5	738.4475	369.7277
2290.2853	18	Y	4	576.2894	288.6486
2391.3330	19	T	3	413.2261	207.1170
2528.3919	20	H	2	312.1784	156.5931
	21	R	1	175.1195	88.0637

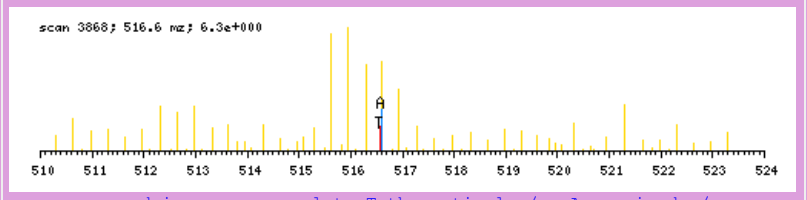
N-term:+35.07 K(12):+162.16
C(13):+160.03 K(17):+162.16

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

SDNEDELLEYHR, MH+ 1547.6978, m/z 516.5708
L OS G16 P120811 220811-s1.03871.03871.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



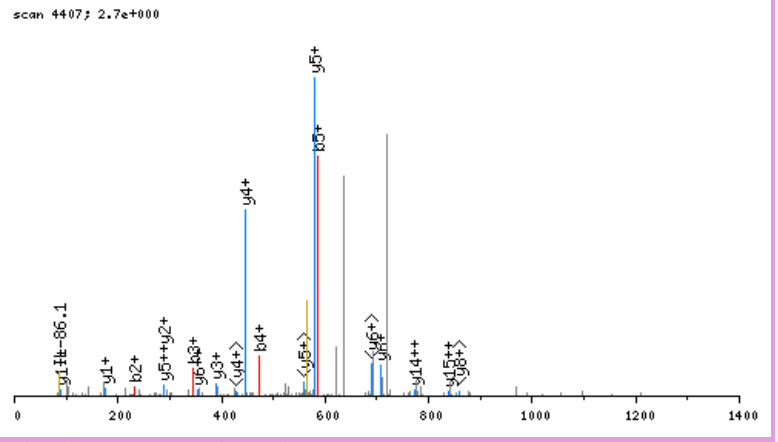
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
231.0981	2	D	11	1432.6345	**716.8211**
345.1410	3	N	10	1317.6075	659.3077
474.1836	4	E	9	1203.5646	602.2862
589.2105	5	D	8	1074.5220	537.7649
718.2531	6	E	7	959.4951	480.2514
831.3372	7	L	6	**830.4525**	415.7301
944.4213	8	L	5	**717.3684**	**359.1881**
1073.4638	9	E	4	**604.2843**	302.6461
1236.5272	10	Y	3	**475.2417**	238.1248
1373.5861	11	H	2	**312.1784**	156.5931
	12	R	1	**175.1195**	**88.0637**

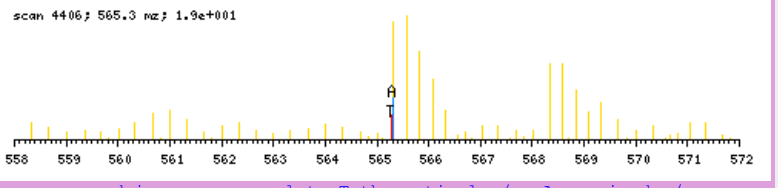
N-term:+29.04

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

SDNQLQEGKNVIGLQMGTNR, MH+ 2258.1563, m/z 565.2945
L OS G15 P120811 220811-s1.04407.04407.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



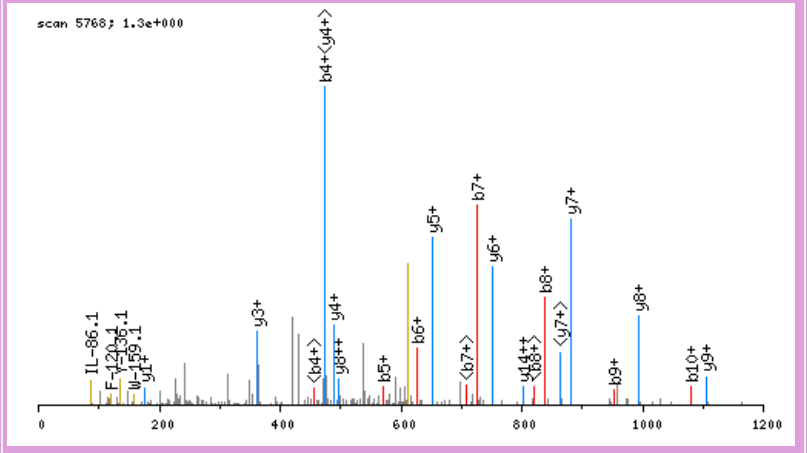
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
231.0981	2	D	19	2143.0930	1072.0504
345.1410	3	N	18	2028.0661	1014.5369
473.1996	4	Q	17	1914.0231	957.5155
586.2836	5	L	16	1785.9646	893.4862
714.3422	6	Q	15	1672.8805	**836.9442**
843.3848	7	E	14	1544.8219	**772.9149**
900.4063	8	G	13	1415.7793	708.3936
1056.5326	9	K	12	1358.7579	679.8828
1170.5755	10	N	11	1202.6316	601.8197
1269.6439	11	V	10	1088.5886	544.7982
1382.7280	12	I	9	989.5202	495.2640
1439.7494	13	G	8	876.4362	438.7220
1552.8335	14	L	7	819.4147	410.2113
1680.8921	15	Q	6	**706.3306**	**353.6692**
1811.9326	16	M	5	**578.2721**	**289.6399**
1868.9540	17	G	4	**447.2316**	224.1197
1970.0017	18	T	3	**390.2101**	195.6090
2084.0446	19	N	2	**289.1624**	145.0851
	20	R	1	**175.1195**	**88.0637**

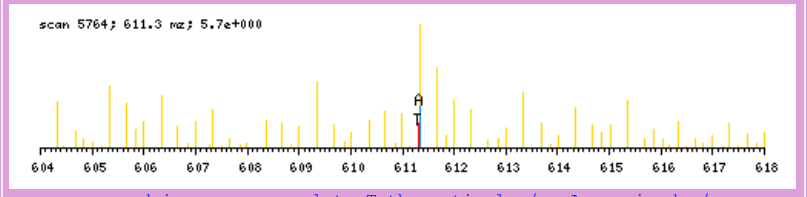
N-term:+29.04 K(9):+156.13

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

SDNQPGVLIQVYEGER, MH+ 1831.9190, m/z 611.3112
L OS G13 P120811 220811-s1.05768.05768.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



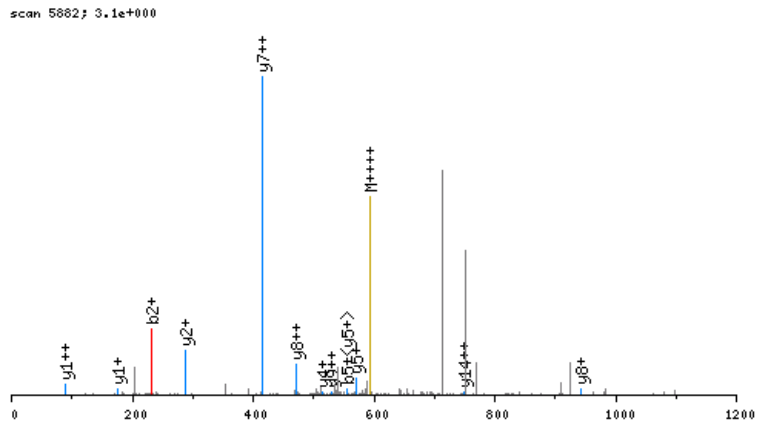
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
231.0981	2	D	15	1716.8557	858.9318
345.1410	3	N	14	1601.8287	**801.4183**
473.1996	4	Q	13	1487.7858	744.3968
570.2523	5	P	12	1359.7272	680.3675
627.2738	6	G	11	1262.6745	631.8412
726.3422	7	V	10	1205.6530	603.3304
839.4263	8	L	9	**1106.5846**	553.7962
952.5103	9	I	8	**993.5005**	**497.2542**
1080.5689	10	Q	7	**880.4165**	440.7121
1179.6373	11	V	6	**752.3579**	376.6829
1342.7007	12	Y	5	**653.2895**	327.1487
1471.7433	13	E	4	**490.2262**	245.6170
1528.7647	14	G	3	**361.1836**	181.0957
1657.8073	15	E	2	304.1621	152.5850
	16	R	1	**175.1195**	88.0637

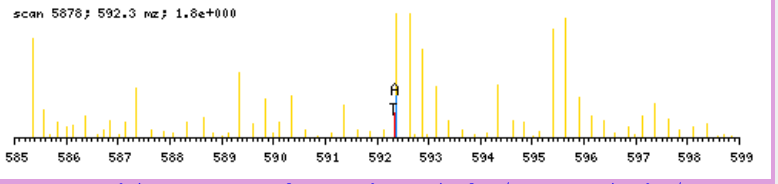
N-term:+29.04

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

SDPILYRPVAVALDTKGPEIR, MH+ 2366.3448, m/z 592.3416
L OS G16 P120811 220811-s1.05882.05882.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



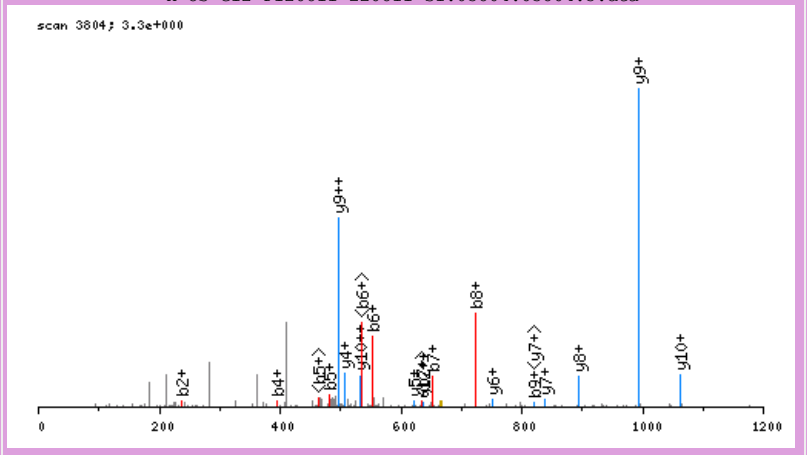
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
231.0981	2	D	20	2251.2815	1126.1446
328.1508	3	P	19	2136.2545	1068.6312
441.2349	4	I	18	2039.2018	1020.1048
554.3190	5	L	17	1926.1177	963.5628
717.3823	6	Y	16	1813.0336	907.0207
873.4834	7	R	15	1649.9703	825.4891
970.5362	8	P	14	1493.8692	**747.4385**
1069.6046	9	V	13	1396.8164	698.9121
1140.6417	10	A	12	1297.7480	649.3779
1239.7101	11	V	11	1226.7109	613.8594
1310.7472	12	A	10	1127.6425	564.3252
1423.8313	13	L	9	1056.6054	**528.8066**
1538.8582	14	D	8	**943.5213**	**472.2646**
1639.9059	15	T	7	828.4944	**414.7511**
1796.0322	16	K	6	727.4467	364.2273
1853.0537	17	G	5	**571.3204**	286.1641
1950.1064	18	P	4	**514.2989**	257.6534
2079.1490	19	E	3	417.2462	209.1270
2192.2331	20	I	2	**288.2036**	144.6057
	21	R	1	**175.1195**	**88.0637**

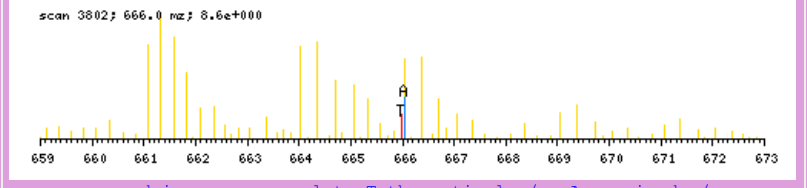
N-term:+29.04 K(16):+156.13

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

SDSASAVAPLAPGSEDNFAR, MH+ 1995.9835, m/z 665.9994
H OS G12 P120811 220811-s1.03804.03804.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



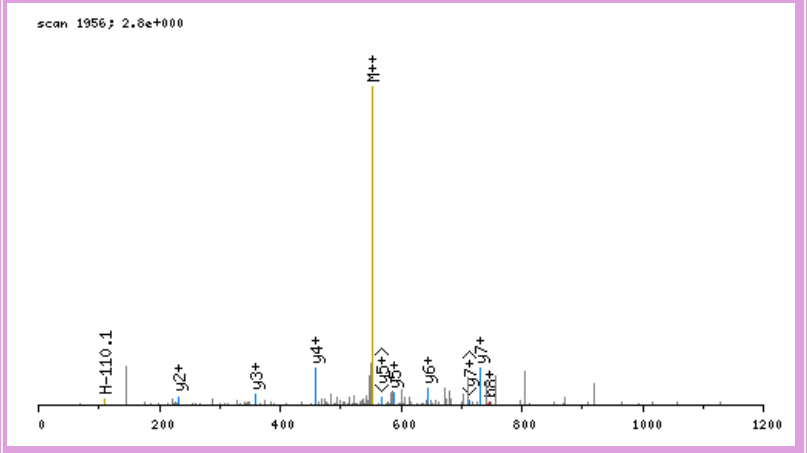
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	20		
237.1299	2	D	19	1874.8884	937.9481
324.1619	3	S	18	1759.8615	880.4347
395.1990	4	A	17	1672.8295	836.9186
482.2310	5	S	16	1601.7924	801.4001
553.2682	6	A	15	1514.7603	757.8841
652.3366	7	V	14	1443.7232	722.3655
723.3737	8	A	13	1344.6548	672.8313
820.4264	9	P	12	1273.6177	637.3128
933.5105	10	L	11	1176.5649	588.7864
1004.5476	11	A	10	1063.4809	532.2443
1101.6004	12	P	9	992.4437	496.7258
1158.6219	13	G	8	895.3910	448.1994
1245.6539	14	S	7	838.3695	419.6887
1374.6965	15	E	6	751.3375	376.1727
1489.7234	16	D	5	622.2949	311.6514
1603.7663	17	N	4	507.2680	254.1379
1750.8348	18	F	3	393.2250	197.1164
1821.8719	19	A	2	246.1566	123.5822
	20	R	1	175.1195	88.0637

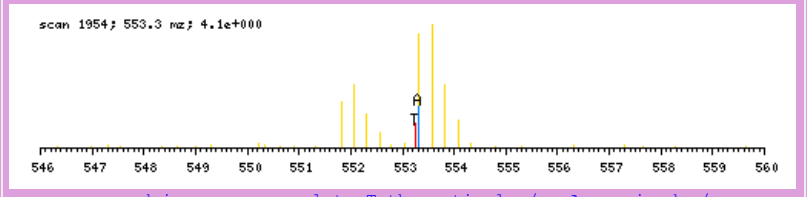
N-term:+35.07

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

SDSGSGQVQGR, MH+ 1105.5238, m/z 553.2655
L OS G19 P120811 220811-s1.01956.01956.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



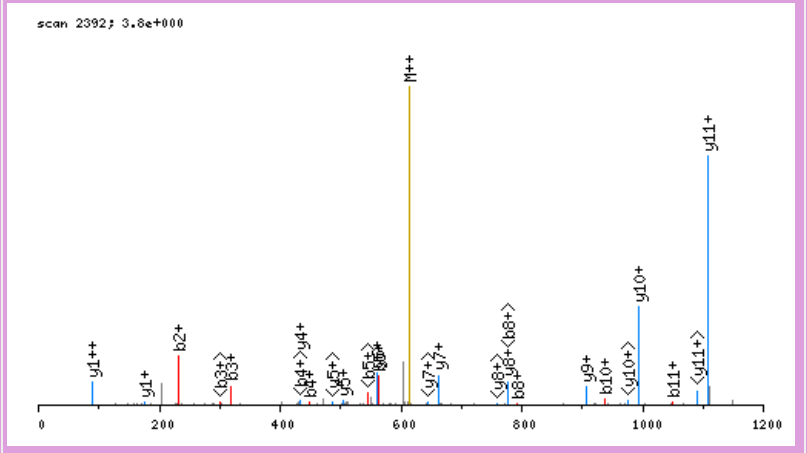
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
231.0981	2	D	10	990.4605	495.7341
318.1301	3	S	9	875.4335	438.2207
375.1516	4	G	8	788.4015	394.7047
462.1836	5	S	7	**731.3800**	366.1939
519.2051	6	G	6	**644.3480**	322.6779
647.2636	7	Q	5	**587.3265**	294.1672
746.3320	8	V	4	**459.2680**	230.1379
874.3906	9	Q	3	**360.1995**	180.6037
931.4121	10	G	2	**232.1410**	116.5744
	11	R	1	175.1195	88.0637

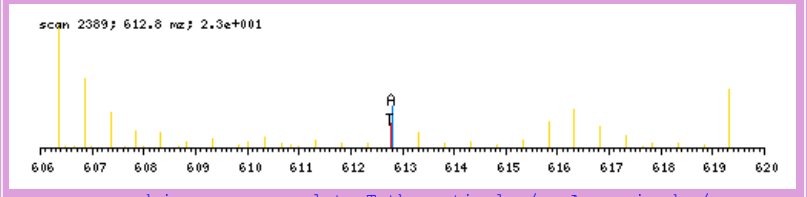
N-term:+29.04

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

SDSMDTGAGSIR, MH+ 1224.5530, m/z 612.7801
L OS G13 P120811 220811-s1.02392.02392.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



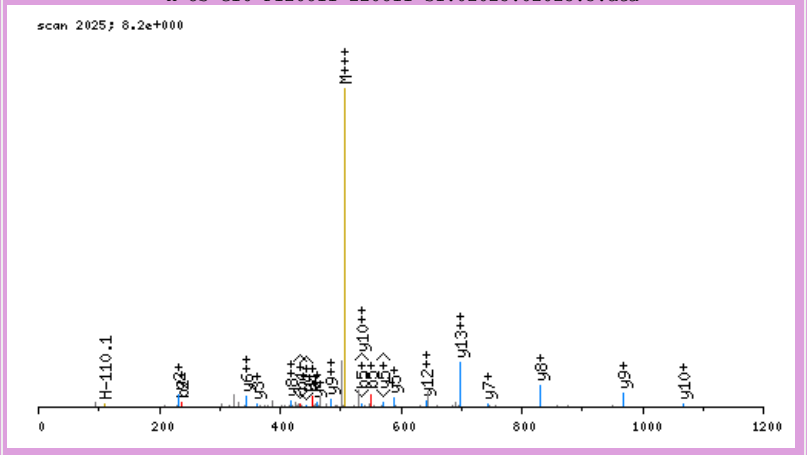
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
231.0981	2	D	11	1109.4897	555.2488
318.1301	3	S	10	994.4628	497.7353
449.1706	4	M	9	907.4307	454.2193
564.1975	5	D	8	776.3903	388.6990
665.2452	6	T	7	661.3633	331.1856
722.2667	7	G	6	560.3156	280.6617
793.3038	8	A	5	503.2942	252.1510
850.3252	9	G	4	432.2571	216.6324
937.3573	10	S	3	375.2356	188.1217
1050.4413	11	I	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

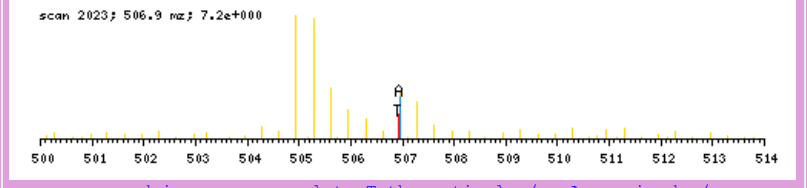
N-term:+29.04

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

SDSQVHSGVQVEGR, MH+ 1518.7724, m/z 506.9290
H OS G16 P120811 220811-s1.02025.02025.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



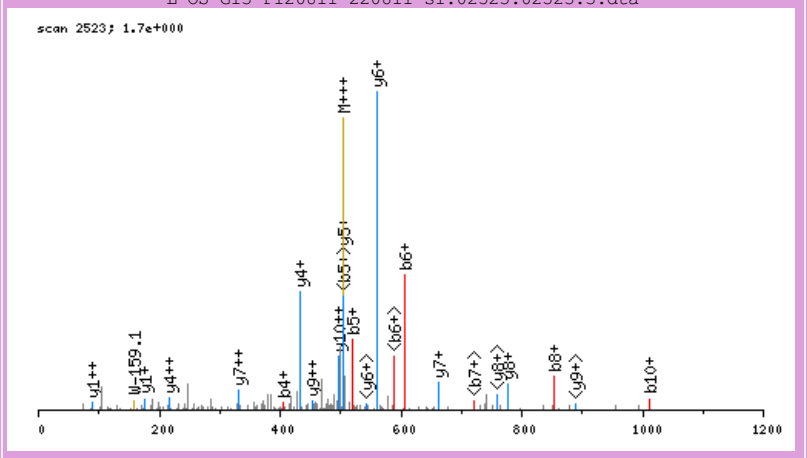
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
237.1299	2	D	13	1397.6773	**699.3426**
324.1619	3	S	12	1282.6504	**641.8291**
452.2205	4	Q	11	1195.6184	598.3131
551.2889	5	V	10	**1067.5598**	**534.2838**
688.3478	6	H	9	**968.4914**	**484.7496**
775.3798	7	S	8	**831.4325**	**416.2201**
832.4013	8	G	7	**744.4004**	372.7041
931.4697	9	V	6	687.3790	**344.1934**
1059.5283	10	Q	5	**588.3105**	294.6592
1158.5967	11	V	4	**460.2520**	230.6299
1287.6393	12	E	3	**361.1836**	181.0957
1344.6608	13	G	2	**232.1410**	116.5744
	14	R	1	175.1195	88.0637

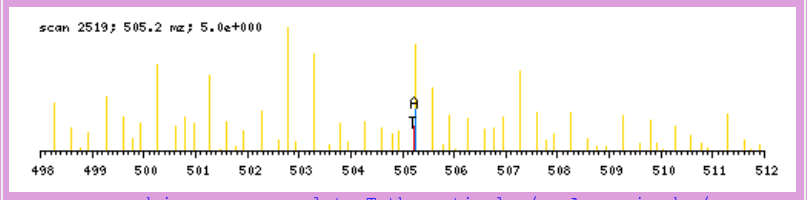
N-term:+35.07

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

SDSSDSMDTGAGSIR, MH+ 1513.6440, m/z 505.2195
L OS G13 P120811 220811-s1.02523.02523.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



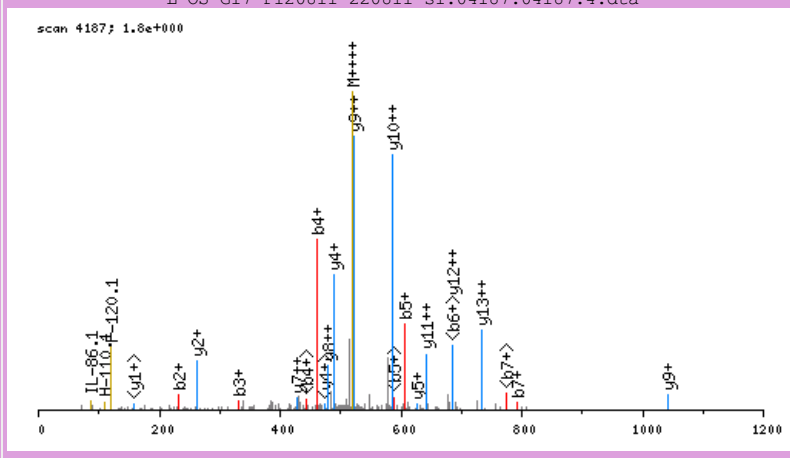
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
231.0981	2	D	14	1398.5807	699.7943
318.1301	3	S	13	1283.5538	642.2808
405.1621	4	S	12	1196.5217	598.7648
520.1891	5	D	11	1109.4897	555.2488
607.2211	6	S	10	994.4628	**497.7353**
738.2616	7	M	9	907.4307	**454.2193**
853.2885	8	D	8	**776.3903**	388.6990
954.3362	9	T	7	**661.3633**	**331.1856**
1011.3577	10	G	6	**560.3156**	280.6617
1082.3948	11	A	5	**503.2942**	252.1510
1139.4162	12	G	4	**432.2571**	**216.6324**
1226.4483	13	S	3	375.2356	188.1217
1339.5323	14	I	2	288.2036	144.6057
	15	R	1	**175.1195**	**88.0637**

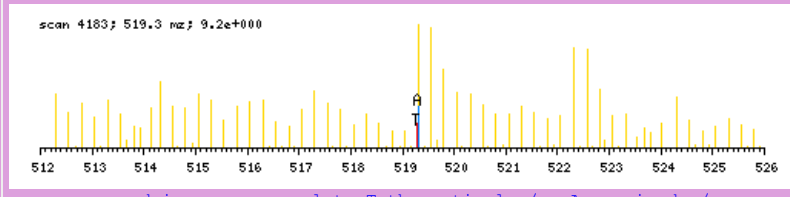
N-term:+29.04

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

SDTQFPSLQSTAKHVESR, MH+ 2074.0569, m/z 519.2697
L OS G17 P120811 220811-s1.04187.04187.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



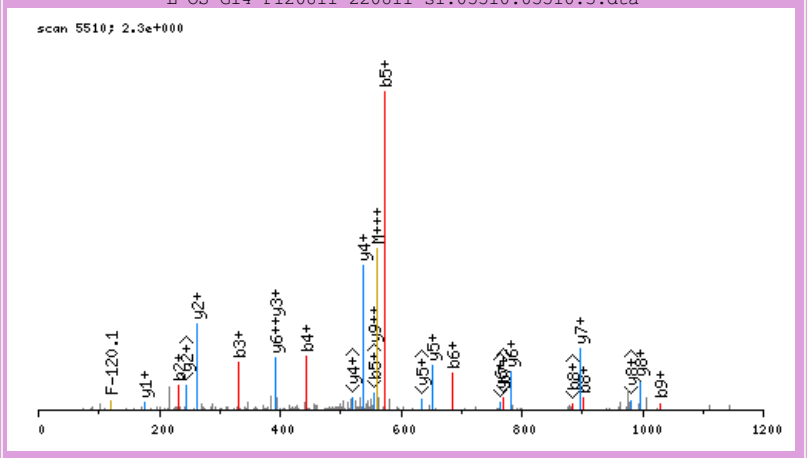
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

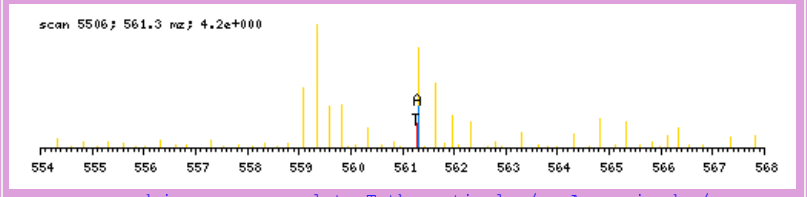
N-term:+29.04 K(13):+156.13

SDVLELTDENFESR, MH+ 1681.7921, m/z 561.2689
L OS G14 P120811 220811-s1.05510.05510.3.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±]

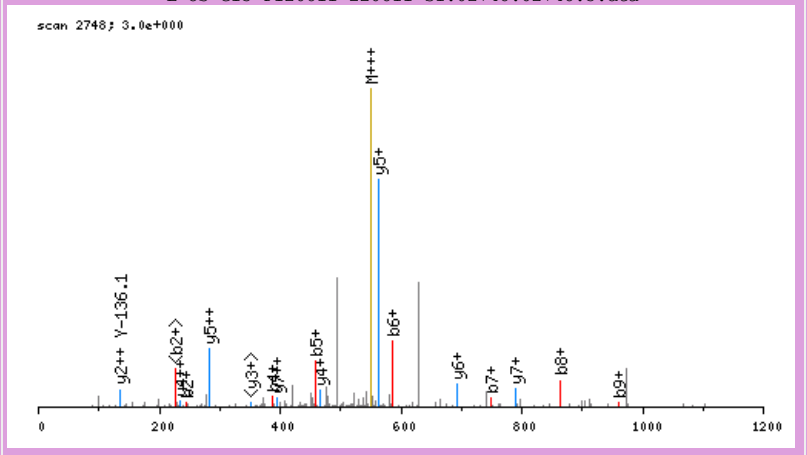


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

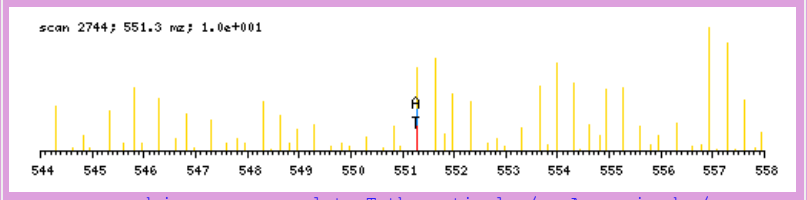
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
231.0981	2	D	13	1566.7288	783.8683
330.1665	3	V	12	1451.7018	726.3548
443.2505	4	L	11	1352.6334	676.8206
572.2931	5	E	10	1239.5493	620.2786
685.3772	6	L	9	1110.5067	555.7573
786.4249	7	T	8	997.4227	499.2153
901.4518	8	D	7	896.3750	448.6914
1030.4944	9	E	6	781.3481	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

SEAAAQYNPEPPPPR, MH+ 1651.8080, m/z 551.2742
L OS G13 P120811 220811-s1.02748.02748.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

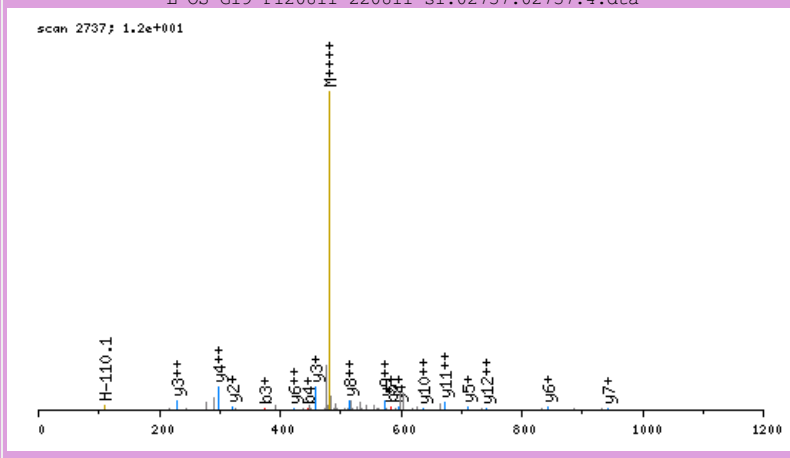
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
245.1137	2	E	14	1536.7447	768.8763
316.1508	3	A	13	1407.7021	704.3550
387.1879	4	A	12	1336.6650	668.8364
458.2251	5	A	11	1265.6279	633.3178
586.2836	6	Q	10	1194.5907	597.7993
749.3470	7	Y	9	1066.5322	533.7700
863.3899	8	N	8	903.4688	452.2383
960.4427	9	P	7	**789.4259**	**395.2169**
1089.4853	10	E	6	**692.3731**	346.6905
1186.5380	11	P	5	**563.3306**	**282.1692**
1283.5908	12	P	4	**466.2778**	**233.6428**
1380.6435	13	P	3	369.2250	185.1164
1477.6963	14	P	2	272.1723	**136.5900**
	15	R	1	175.1195	88.0637

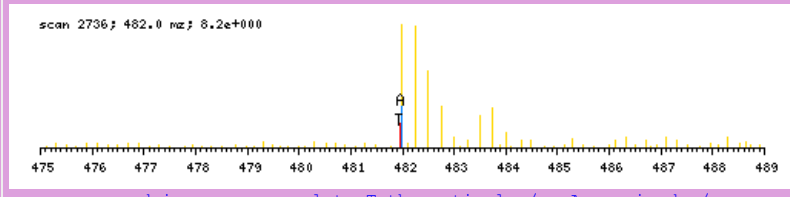
N-term:+29.04

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

SEEAHAEDSVMDHHFR, MH+ 1924.8248, m/z 481.9617
L OS G19 P120811 220811-s1.02737.02737.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



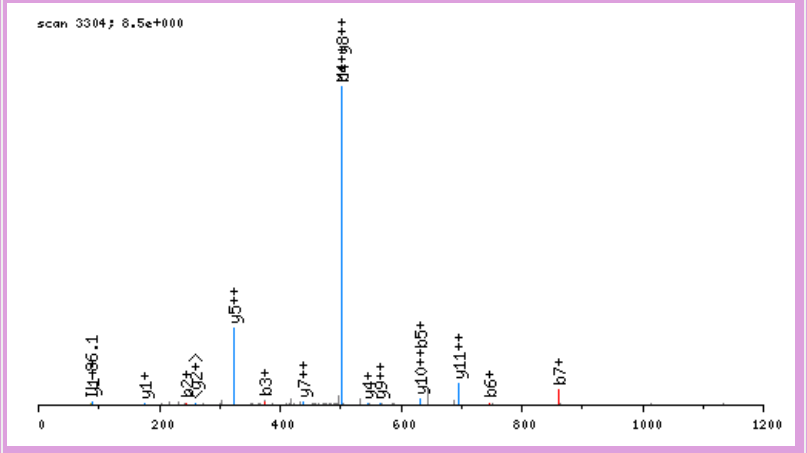
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
245.1137	2	E	15	1809.7615	905.3846
374.1563	3	E	14	1680.7189	840.8634
445.1934	4	A	13	1551.6763	776.3421
582.2523	5	H	12	1480.6392	**740.8235**
653.2895	6	A	11	1343.5803	**672.2940**
782.3320	7	E	10	1272.5431	**636.7755**
897.3590	8	D	9	1143.5006	**572.2542**
984.3910	9	S	8	1028.4736	**514.7407**
1083.4594	10	V	7	**941.4416**	471.2247
1214.4999	11	M	6	**842.3732**	**421.6905**
1329.5269	12	D	5	**711.3327**	356.1703
1466.5858	13	H	4	**596.3057**	**298.6568**
1603.6447	14	H	3	**459.2468**	**230.1273**
1750.7131	15	F	2	**322.1879**	161.5979
	16	R	1	175.1195	88.0637

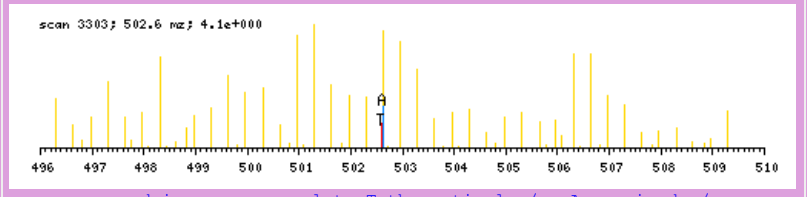
N-term:+29.04

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

SEEEELDTKLTR, MH+ 1505.7699, m/z 502.5948
L OS G16 P120811 220811-s1.03304.03304.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



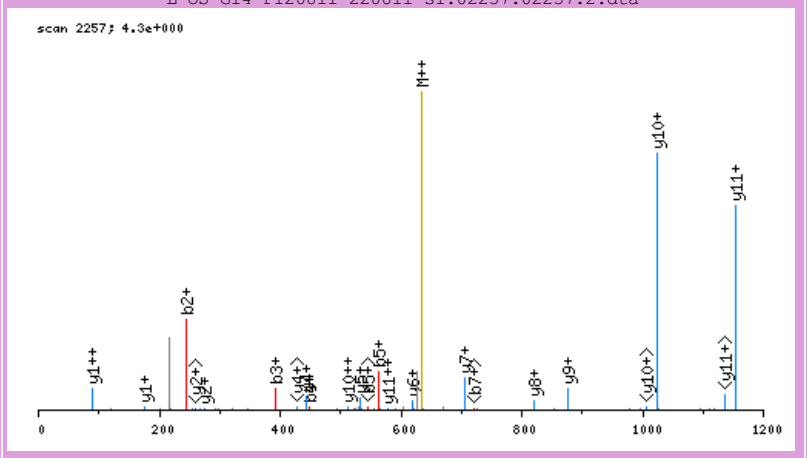
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
245.1137	2	E	11	1390.7066	695.8572
374.1563	3	E	10	1261.6640	631.3359
503.1989	4	E	9	1132.6214	566.8146
632.2415	5	E	8	1003.5788	502.2933
745.3256	6	L	7	874.5362	437.7720
860.3525	7	D	6	761.4522	381.2300
961.4002	8	T	5	646.4252	323.7165
1117.5265	9	K	4	545.3775	273.1927
1230.6106	10	L	3	389.2512	195.1295
1331.6582	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

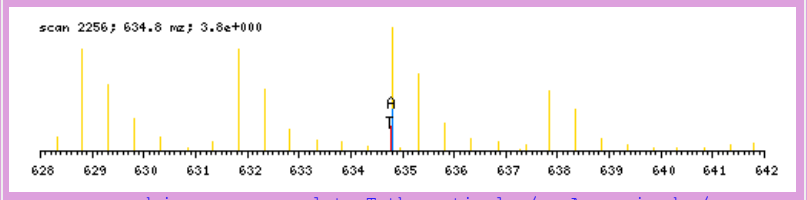
N-term:+29.04 K(9):+156.13

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

SEFGDSSSPATR, MH+ 1268.5759, m/z 634.7916
L OS G14 P120811 220811-s1.02257.02257.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



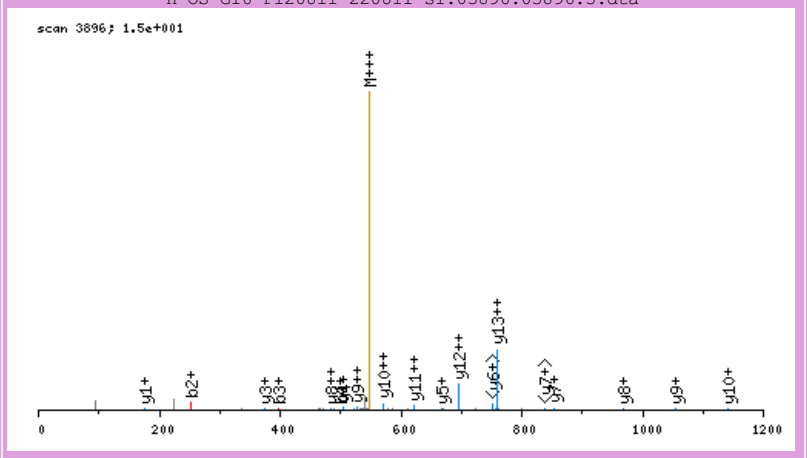
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
245.1137	2	E	11	1153.5126	577.2602
392.1821	3	F	10	1024.4700	512.7389
449.2036	4	G	9	877.4015	439.2047
564.2305	5	D	8	820.3801	410.6940
651.2626	6	S	7	705.3531	353.1805
738.2946	7	S	6	618.3211	309.6645
825.3266	8	S	5	531.2891	266.1485
922.3794	9	P	4	444.2571	222.6324
993.4165	10	A	3	347.2043	174.1061
1094.4642	11	T	2	276.1672	138.5875
	12	R	1	175.1195	88.0637

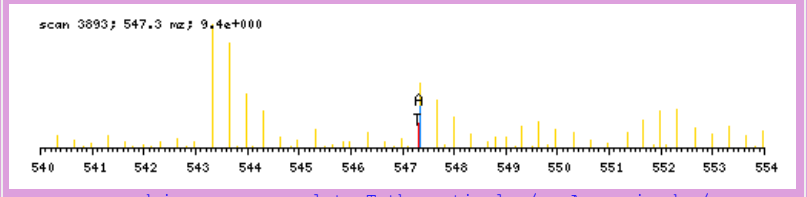
N-term:+29.04

SEFTSSLSTKESLR, MH+ 1639.9179, m/z 547.3108
H OS G16 P120811 220811-s1.03896.03896.3.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±]



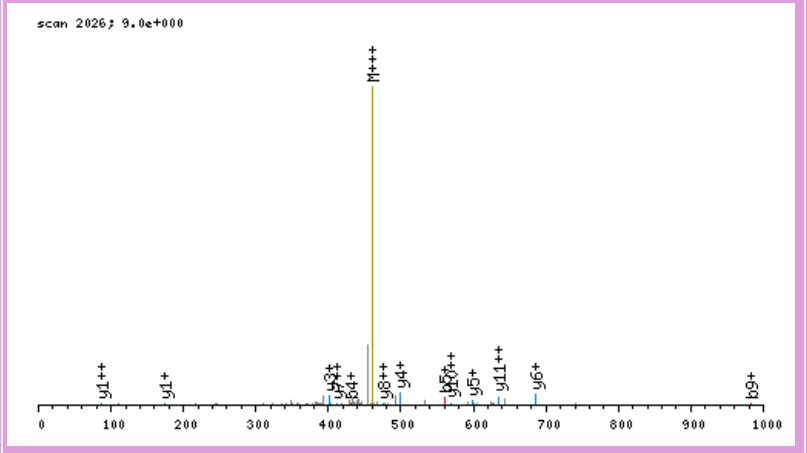
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
251.1455	2	E	13	1518.8228	**759.9153**
398.2139	3	F	12	1389.7802	**695.3940**
499.2616	4	T	11	1242.7118	**621.8598**
586.2936	5	S	10	**1141.6641**	**571.3360**
673.3257	6	S	9	**1054.6321**	**527.8200**
786.4097	7	L	8	**967.6001**	**484.3039**
873.4418	8	S	7	**854.5160**	427.7619
974.4894	9	T	6	767.4840	384.2459
1136.6475	10	K	5	**666.4363**	333.7221
1265.6901	11	E	4	**504.2782**	252.6430
1352.7222	12	S	3	**375.2356**	188.1217
1465.8062	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

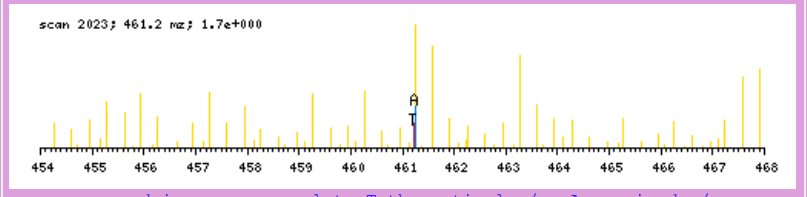
N-term:+35.07 K(10):+162.16

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

SEGEEHSVVPQR, MH+ 1381.6712, m/z 461.2286
L OS G16 P120811 220811-s1.02026.02026.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



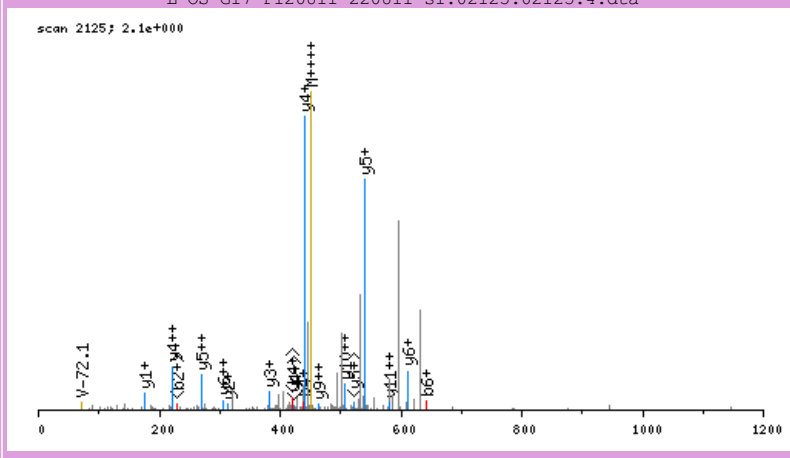
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
245.1137	2	E	11	1266.6079	**633.8078**
302.1352	3	G	10	1137.5653	**569.2865**
431.1778	4	E	9	1080.5438	540.7758
560.2204	5	E	8	951.5012	**476.2545**
697.2793	6	H	7	822.4586	**411.7332**
784.3113	7	S	6	**685.3997**	343.2038
883.3797	8	V	5	**598.3677**	299.6877
982.4481	9	V	4	**499.2993**	250.1535
1079.5009	10	P	3	**400.2308**	200.6193
1207.5595	11	Q	2	303.1781	152.0930
	12	R	1	**175.1195**	**88.0637**

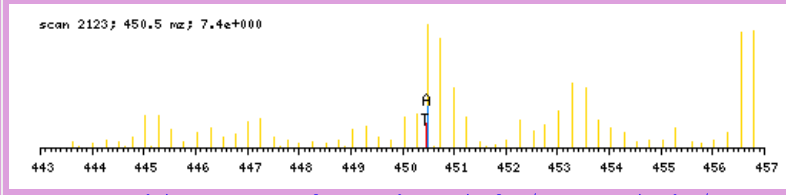
N-term:+29.04

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

SEGHSDFSEGQAVGAHR, MH+ 1798.8108, m/z 450.4582
L OS G17 P120811 220811-s1.02125.02125.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



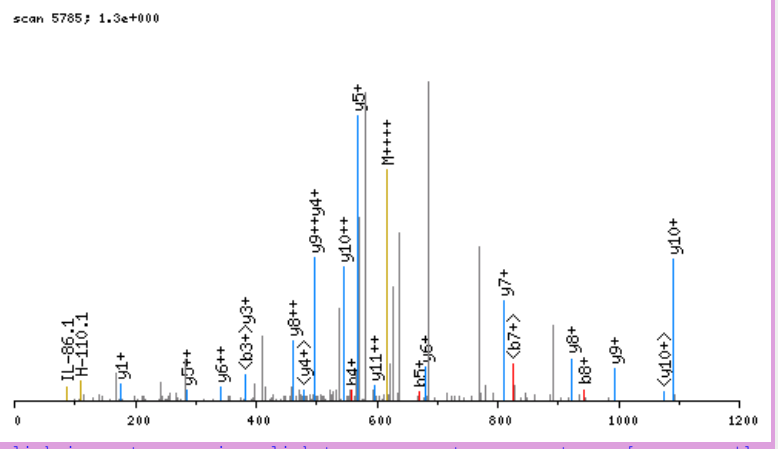
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

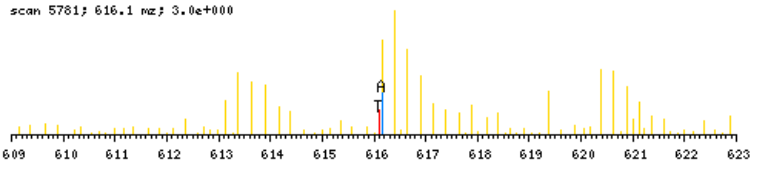
N-term:+29.04

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

SEKKISSVQSIVPALEIANAHR, MH+ 2461.4143, m/z 616.1090
L OS G18 P120811 220811-s1.05785.05785.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

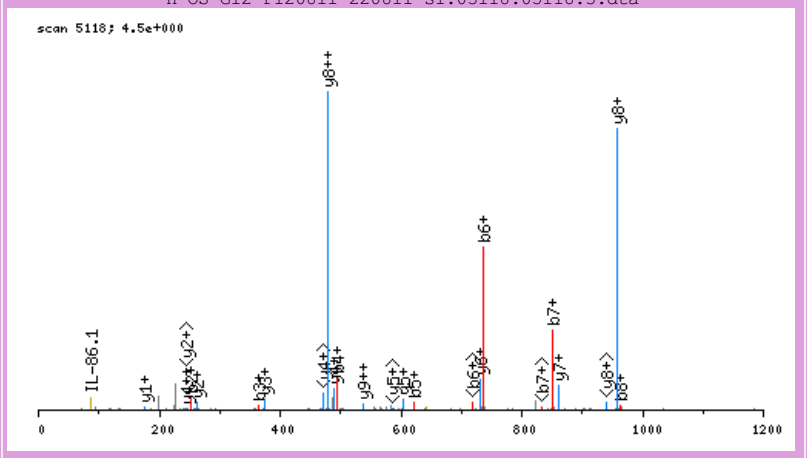


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

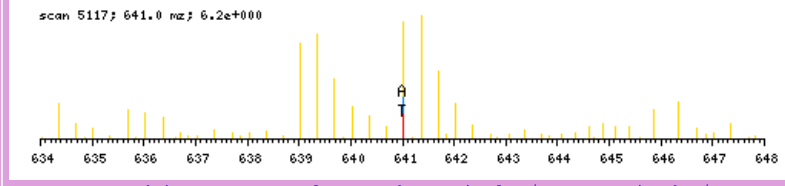
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
245.1137	2	E	21	2346.3510	1173.6794
401.2400	3	K	20	2217.3084	1109.1581
557.3663	4	K	19	2061.1821	1031.0950
670.4504	5	I	18	1905.0558	953.0318
757.4824	6	S	17	1791.9717	896.4898
844.5144	7	S	16	1704.9397	852.9738
943.5829	8	V	15	1617.9077	809.4577
1071.6414	9	Q	14	1518.8393	759.9235
1158.6735	10	S	13	1390.7807	695.8942
1271.7575	11	I	12	1303.7486	652.3782
1370.8259	12	V	11	1190.6646	**595.8362**
1467.8787	13	P	10	**1091.5962**	**546.3020**
1538.9158	14	A	9	**994.5434**	**497.7756**
1651.9999	15	L	8	**923.5063**	**462.2571**
1781.0425	16	E	7	**810.4222**	405.7150
1894.1265	17	I	6	**681.3796**	**341.1937**
1965.1637	18	A	5	**568.2956**	**284.6517**
2079.2066	19	N	4	**497.2585**	249.1331
2150.2437	20	A	3	**383.2155**	192.1117
2287.3026	21	H	2	312.1784	156.5931
	22	R	1	**175.1195**	88.0637

N-term:+29.04 K(3):+156.13
K(4):+156.13

SELEEDIIPEEDIISR, MH+ 1920.9866, m/z 641.0004
H OS G12 P120811 220811-s1.05118.05118.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

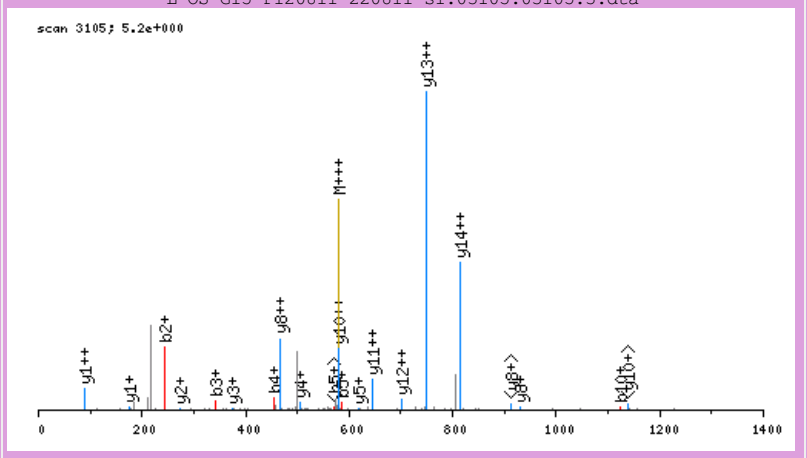
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	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

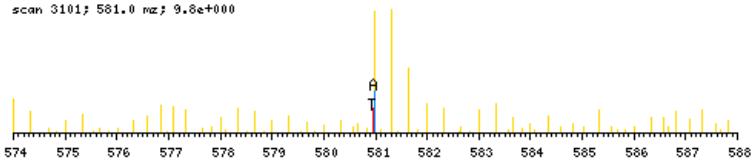
N-term:+35.07

SEPIMPEPGRDETVR, MH+ 1740.8590, m/z 580.9579
L OS G15 P120811 220811-s1.03105.03105.3.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±]



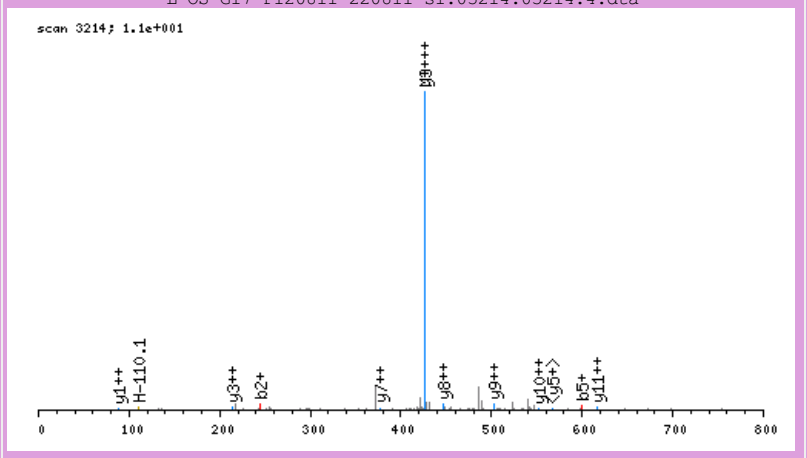
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
245.1137	2	E	14	1625.7957	**813.4018**
342.1665	3	P	13	1496.7531	**748.8805**
455.2505	4	I	12	1399.7004	**700.3541**
586.2910	5	M	11	1286.6163	**643.8121**
683.3438	6	P	10	1155.5758	**578.2918**
812.3864	7	E	9	1058.5231	529.7654
909.4392	8	P	8	**929.4805**	**465.2441**
966.4606	9	G	7	832.4277	416.7178
1122.5617	10	R	6	775.4062	388.2070
1237.5887	11	D	5	**619.3051**	310.1565
1366.6313	12	E	4	**504.2782**	252.6430
1467.6789	13	T	3	**375.2356**	188.1217
1566.7474	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	**88.0637**

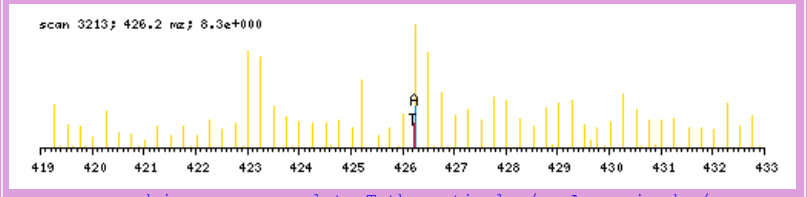
N-term:+29.04

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

SEPQEVLHIGSAHNR, MH+ 1701.8672, m/z 426.2223
L OS G17 P120811 220811-s1.03214.03214.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



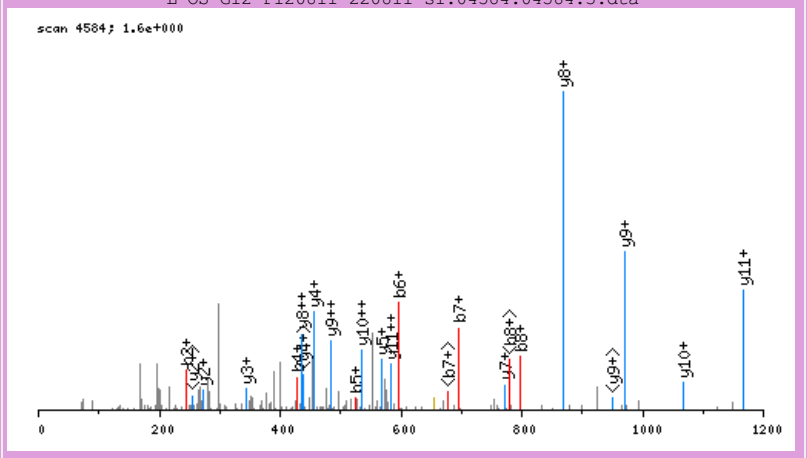
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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**

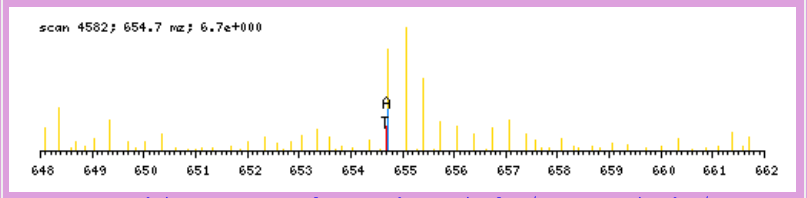
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SEPSPAVTPVTPTTLIAPR, MH+ 1962.0911, m/z 654.7019
L_OS_G12_P120811_220811-s1.04584.04584.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



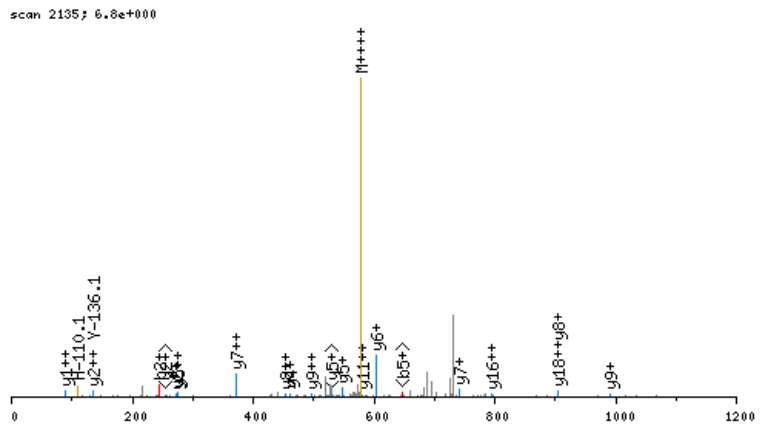
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
245.1137	2	E	18	1847.0278	924.0178
342.1665	3	P	17	1717.9852	859.4965
429.1985	4	S	16	1620.9325	810.9702
526.2513	5	P	15	1533.9005	767.4541
597.2884	6	A	14	1436.8477	718.9278
696.3568	7	V	13	1365.8106	683.4092
797.4045	8	T	12	1266.7422	633.8750
894.4572	9	P	11	**1165.6945**	**583.3512**
993.5257	10	V	10	**1068.6417**	**534.8248**
1094.5733	11	T	9	**969.5733**	**485.2906**
1191.6261	12	P	8	**868.5256**	**434.7667**
1292.6738	13	T	7	**771.4729**	386.2403
1393.7215	14	T	6	670.4252	335.7165
1506.8055	15	L	5	**569.3775**	285.1927
1619.8896	16	I	4	**456.2934**	228.6506
1690.9267	17	A	3	**343.2094**	172.1086
1787.9795	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

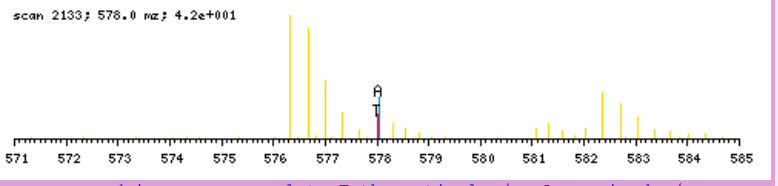
N-term:+29.04

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

SEQEYGKAGGSPASYHGSTSPR, MH+ 2309.0798, m/z 578.0254
L OS G17 P120811 220811-s1.02135.02135.4.dta



click image to zoom in; click top corners to zoom out [precursor]



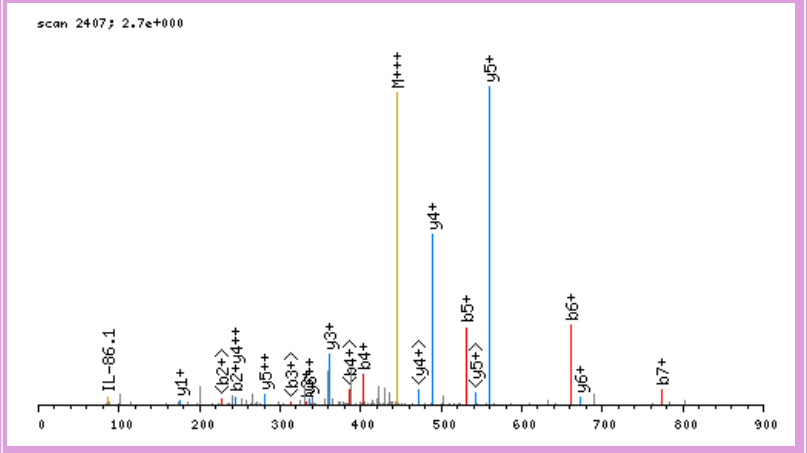
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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**

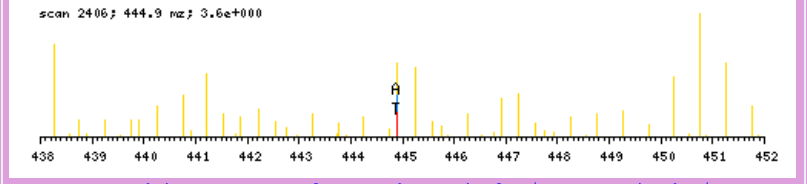
N-term:+29.04 K(7):+156.13

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 G14 P120811 220811-s1.02407.02407.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



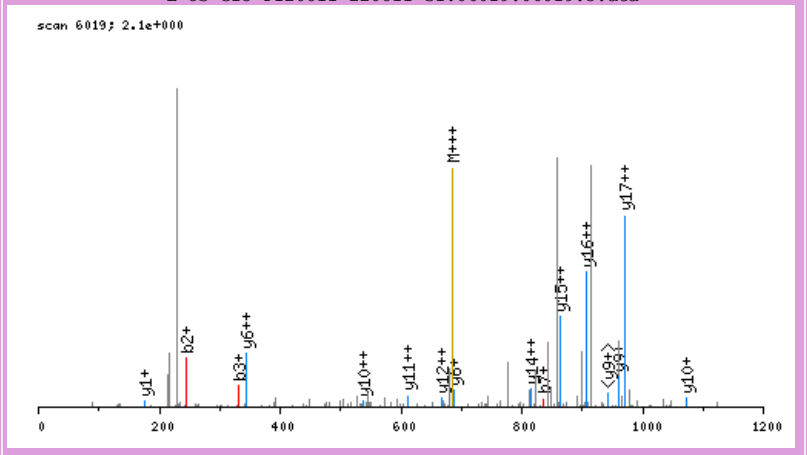
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

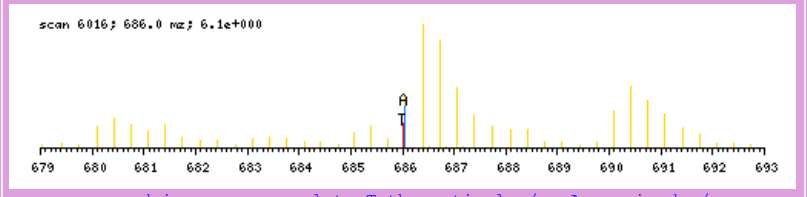
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SESPYEDFLSADSKVLGR, MH+ 2056.0239, m/z 686.0128
L OS G15 P120811 220811-s1.06019.06019.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



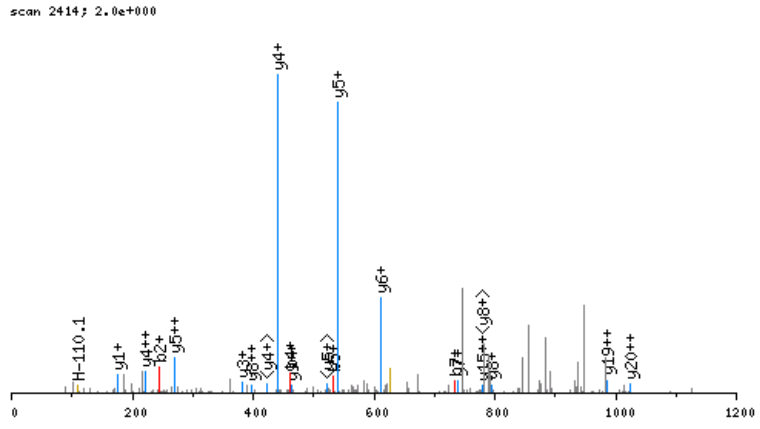
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
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

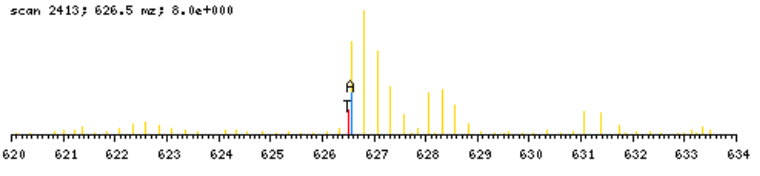
N-term:+29.04 K(14):+156.13

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 G17 P120811 220811-s1.02414.02414.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

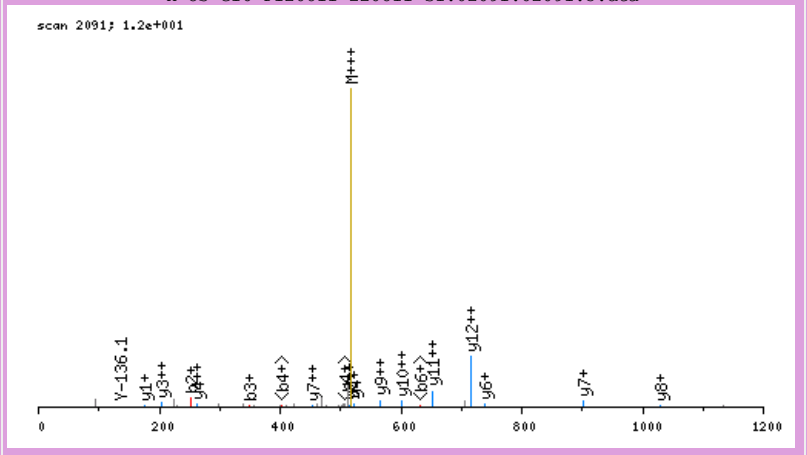


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

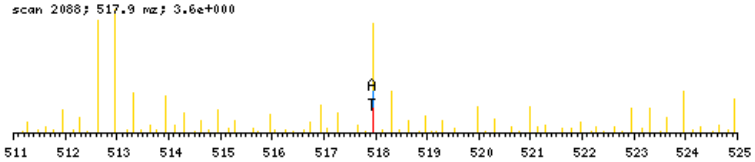
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
245.1137	2	E	23	2388.0088	1194.5083
332.1458	3	S	22	2258.9663	1129.9870
460.2043	4	Q	21	2171.9342	1086.4710
531.2414	5	A	20	2043.8756	**1022.4417**
618.2735	6	S	19	1972.8385	**986.9232**
733.3004	7	D	18	1885.8065	943.4072
820.3324	8	S	17	1770.7796	885.8937
949.3750	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

SEVATQYSEDKAR, MH+ 1551.8291, m/z 517.9479
H_OS_G16_P120811_220811-s1.02091.02091.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

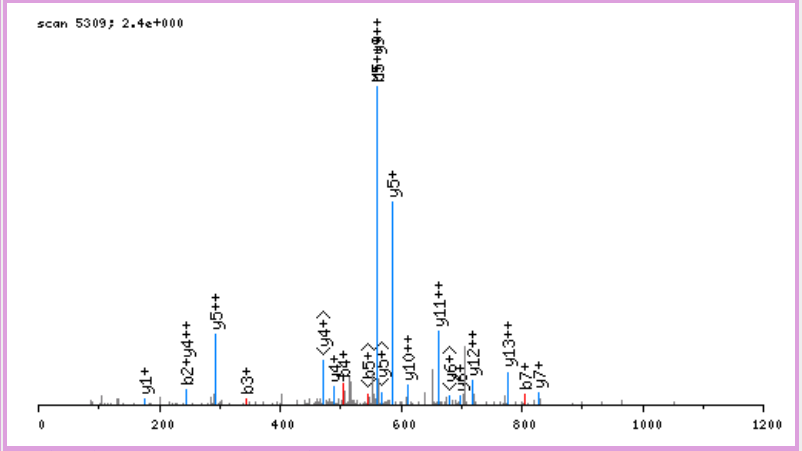
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b+	#	AA	#	y+	y2+
122.1029	1	S	13		
251.1455	2	E	12	1430.7340	715.8709
350.2139	3	V	11	1301.6914	651.3496
421.2510	4	A	10	1202.6230	601.8154
522.2987	5	T	9	1131.5859	566.2968
650.3573	6	Q	8	1030.5382	515.7730
813.4206	7	Y	7	902.4796	451.7437
900.4527	8	S	6	739.4163	370.2121
1029.4953	9	E	5	652.3843	326.6960
1144.5222	10	D	4	523.3417	262.1747
1306.6803	11	K	3	408.3147	204.6613
1377.7174	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

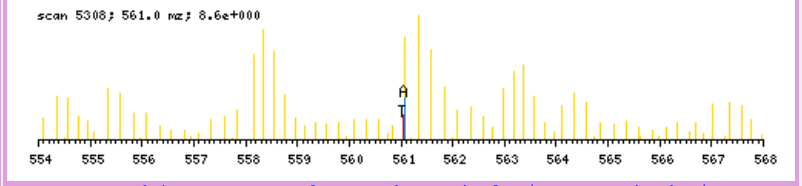
N-term:+35.07 K(11):+162.16

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

SEVCGQDITTKHMLPTVLR, MH+ 2241.1735, m/z 561.0488
L OS G17 P120811 220811-s1.05309.05309.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



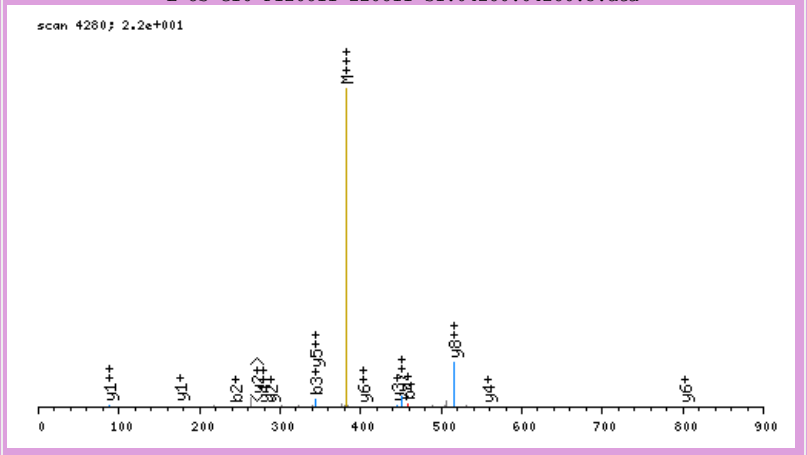
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
245.1137	2	E	18	2126.1102	1063.5590
344.1821	3	V	17	1997.0676	999.0377
504.2127	4	C	16	1897.9992	949.5035
561.2342	5	G	15	1737.9686	869.4882
689.2928	6	Q	14	1680.9471	840.9775
804.3197	7	D	13	1552.8885	**776.9482**
917.4038	8	I	12	1437.8616	**719.4347**
1018.4515	9	T	11	1324.7775	**662.8927**
1119.4991	10	T	10	1223.7299	**612.3688**
1275.6254	11	K	9	1122.6822	**561.8450**
1412.6844	12	H	8	966.5559	483.7819
1543.7248	13	M	7	**829.4970**	415.2524
1656.8089	14	L	6	**698.4565**	349.7322
1753.8617	15	P	5	**585.3724**	**293.1901**
1854.9093	16	T	4	**488.3197**	**244.6637**
1953.9778	17	V	3	387.2720	194.1399
2067.0618	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

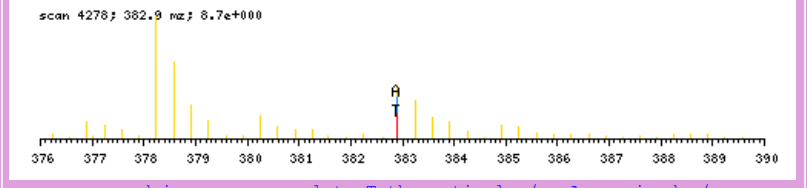
N-term:+29.04 C(4):+160.03
K(11):+156.13

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

SEVDMLKIR, MH+ 1146.6557, m/z 382.8901
L OS G16 P120811 220811-s1.04280.04280.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



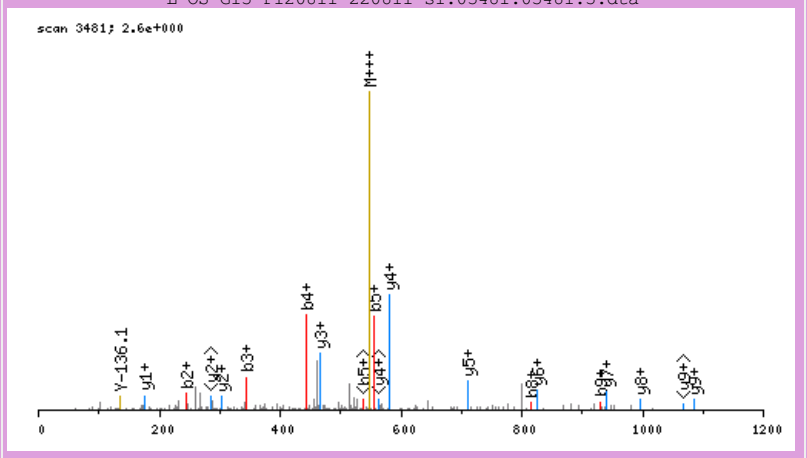
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	9		
245.1137	2	E	8	1031.5924	516.3001
344.1821	3	V	7	902.5498	451.7788
459.2091	4	D	6	803.4814	402.2446
590.2496	5	M	5	688.4544	344.7311
703.3336	6	L	4	557.4139	279.2109
859.4599	7	K	3	444.3299	222.6688
972.5440	8	I	2	288.2036	144.6057
	9	R	1	175.1195	88.0637

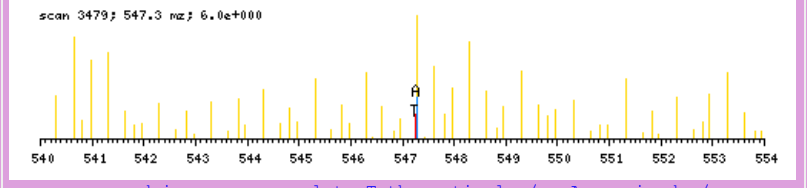
N-term:+29.04 K(7):+156.13

SEVVLSGDDEDYQR, MH+ 1639.7451, m/z 547.2532
L OS G13 P120811 220811-s1.03481.03481.3.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±]



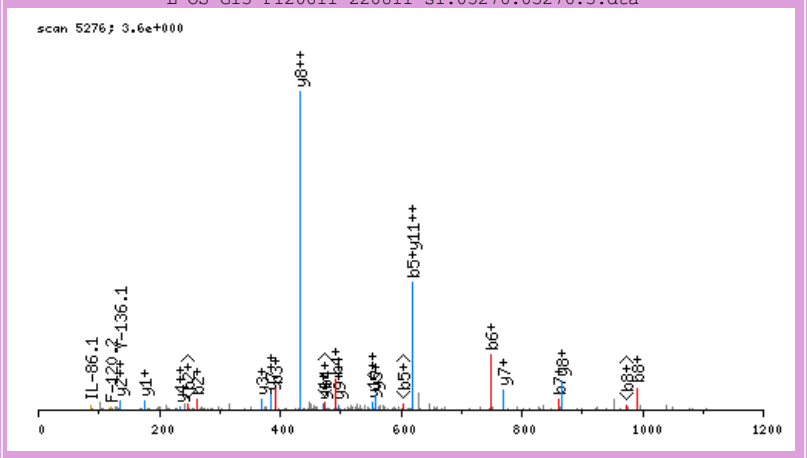
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
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

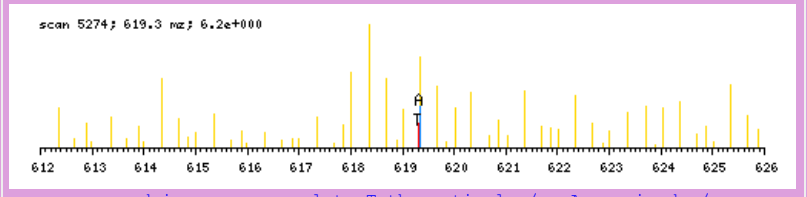
N-term:+29.04

SFEVEEIEPPNSTPPR, MH+ 1855.9078, m/z 619.3074
L OS G13 P120811 220811-s1.05276.05276.3.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±]



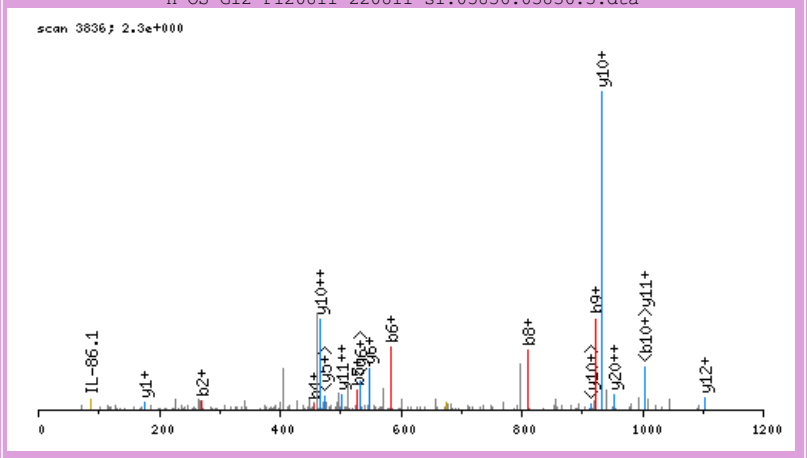
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
263.1395	2	F	15	1740.8445	870.9261
392.1821	3	E	14	1593.7760	797.3919
491.2505	4	V	13	1464.7334	732.8706
620.2931	5	E	12	1365.6650	683.3364
749.3357	6	E	11	1236.6224	618.8151
862.4198	7	I	10	1107.5798	554.2938
991.4624	8	E	9	994.4958	497.7518
1088.5152	9	P	8	865.4532	433.2305
1185.5679	10	P	7	768.4004	384.7041
1299.6108	11	N	6	671.3477	336.1777
1386.6429	12	S	5	557.3047	279.1563
1487.6906	13	T	4	470.2727	235.6403
1584.7433	14	P	3	369.2250	185.1164
1681.7961	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

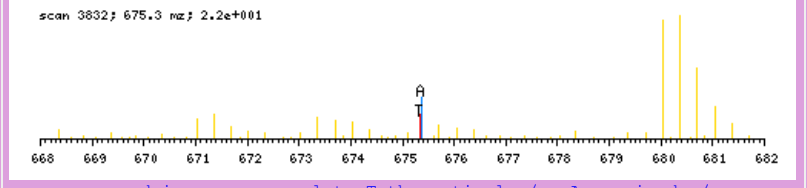
N-term:+29.04

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

SFGEAGPEIVAPSAEGTAGSR, MH+ 2024.0148, m/z 675.3431
H OS G12 P120811 220811-s1.03836.03836.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



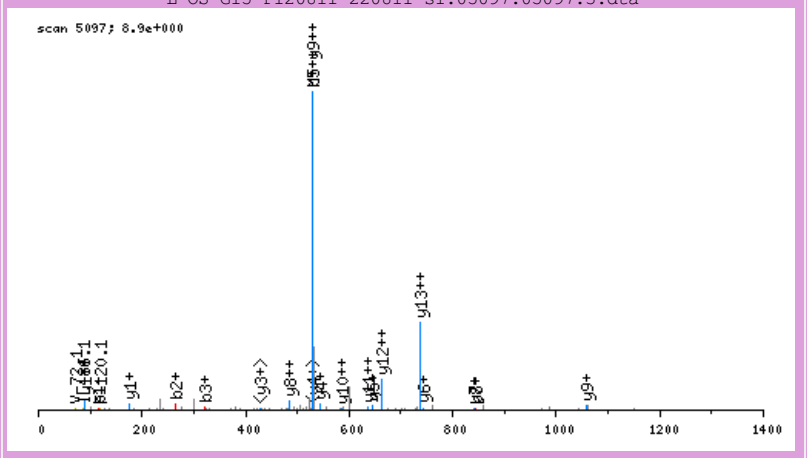
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

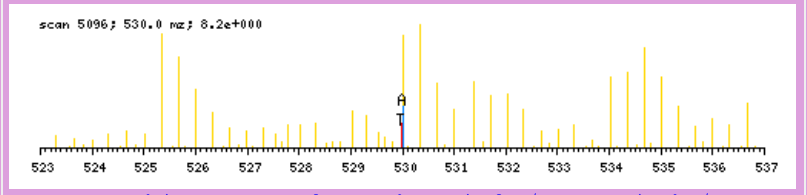
N-term:+35.07

SFGPISEVVVVKDR, MH+ 1587.9110, m/z 529.9752
L OS G15 P120811 220811-s1.05097.05097.3.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±]



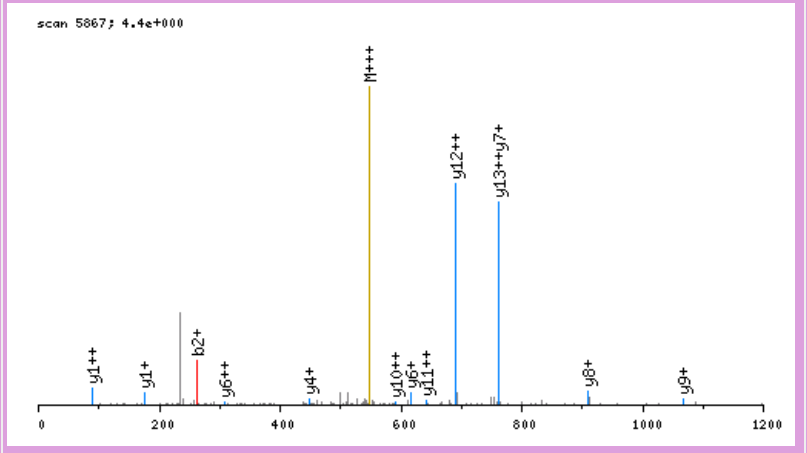
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
263.1395	2	F	13	1472.8477	736.9278
320.1610	3	G	12	1325.7793	663.3936
417.2138	4	P	11	1268.7578	634.8828
530.2978	5	I	10	1171.7051	586.3565
617.3299	6	S	9	1058.6210	529.8144
746.3725	7	E	8	971.5890	486.2984
845.4409	8	V	7	842.5464	421.7771
944.5093	9	V	6	743.4780	372.2429
1043.5777	10	V	5	644.4096	322.7087
1142.6461	11	V	4	545.3412	273.1745
1298.7724	12	K	3	446.2727	223.6403
1413.7994	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

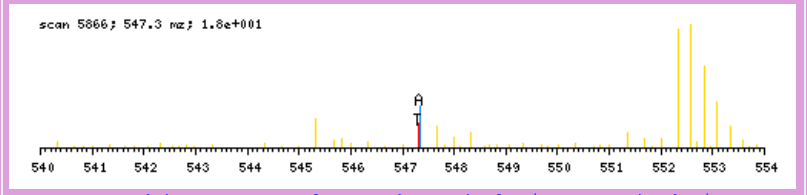
N-term:+29.04 K(12):+156.13

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

SFPTLKFFPASADR, MH+ 1639.8848, m/z 547.2998
L OS G15 P120811 220811-s1.05867.05867.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



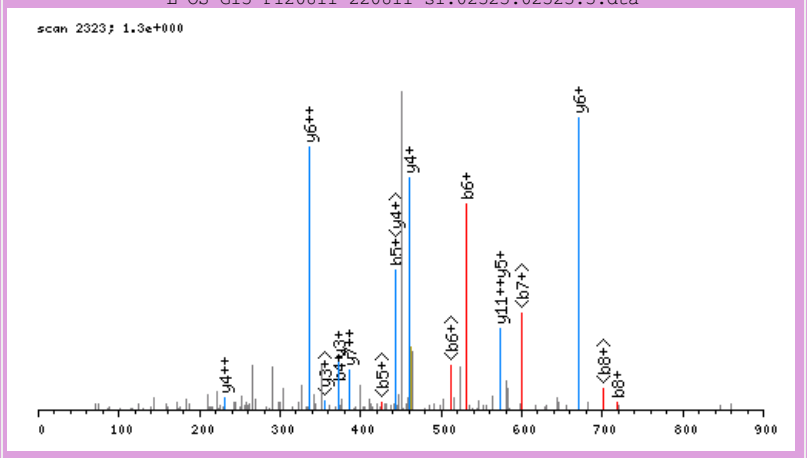
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
263.1395	2	F	13	1524.8215	**762.9147**
360.1923	3	P	12	1377.7531	**689.3805**
461.2400	4	T	11	1280.7003	**640.8541**
574.3240	5	L	10	1179.6527	**590.3302**
730.4503	6	K	9	**1066.5686**	533.7882
877.5188	7	F	8	**910.4423**	455.7251
1024.5872	8	F	7	**763.3739**	382.1909
1121.6399	9	P	6	**616.3055**	**308.6566**
1192.6771	10	A	5	519.2527	260.1303
1279.7091	11	S	4	**448.2156**	224.6117
1350.7462	12	A	3	361.1836	181.0957
1465.7731	13	D	2	290.1464	145.5771
	14	R	1	**175.1195**	**88.0637**

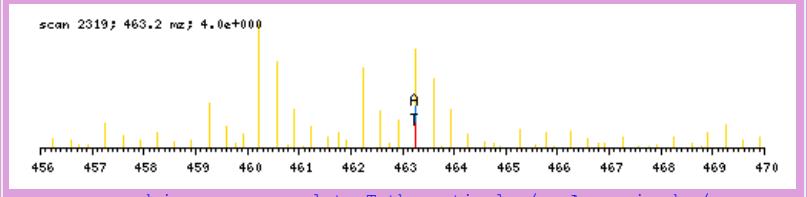
N-term:+29.04 K(6):+156.13

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

SGAQASSTPLSPTR, MH+ 1387.7181, m/z 463.2442
L OS G13 P120811 220811-s1.02323.02323.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



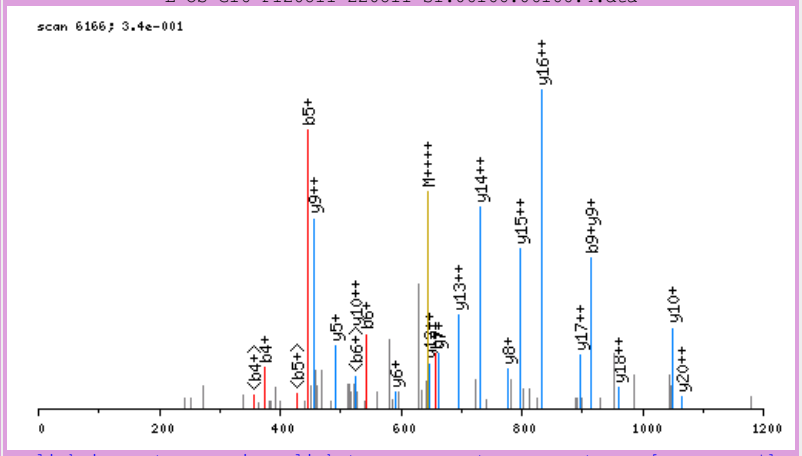
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
173.0926	2	G	13	1272.6548	636.8313
244.1297	3	A	12	1215.6333	608.3206
372.1883	4	Q	11	1144.5962	**572.8020**
443.2254	5	A	10	1016.5376	508.7727
530.2574	6	S	9	945.5005	473.2542
617.2895	7	S	8	858.4685	429.7382
718.3371	8	T	7	771.4365	**386.2222**
815.3899	9	P	6	**670.3888**	**335.6983**
928.4740	10	L	5	**573.3360**	287.1719
1015.5060	11	S	4	**460.2520**	**230.6299**
1112.5588	12	P	3	**373.2199**	187.1139
1213.6064	13	T	2	276.1672	138.5875
	14	R	1	175.1195	88.0637

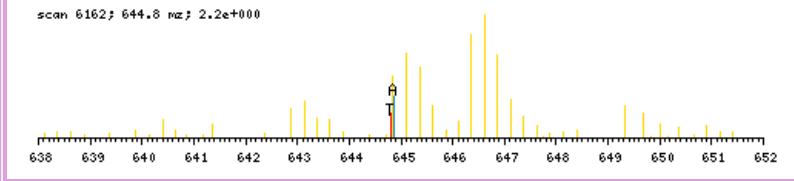
N-term:+29.04

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

SGDSAPLQEAMAVLQHHDAVSGTAR, MH+ 2576.2527, m/z 644.8186
L OS G16 P120811 220811-s1.06166.06166.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



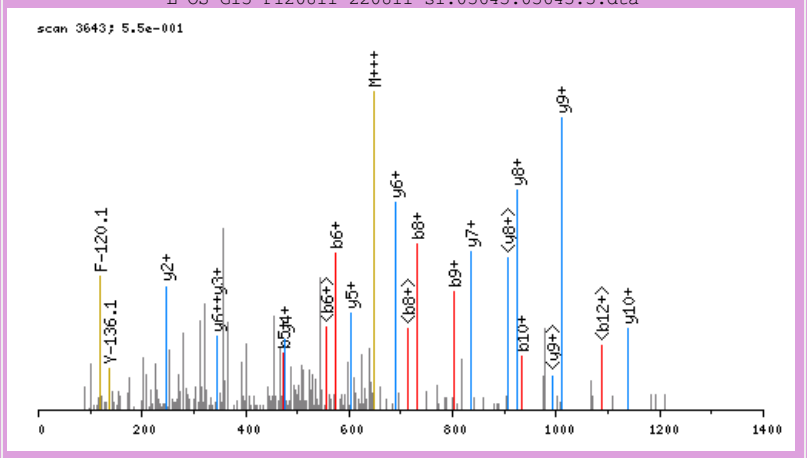
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	25		
173.0926	2	G	24	2461.1894	1231.0986
288.1195	3	D	23	2404.1679	1202.5879
375.1516	4	S	22	2289.1410	1145.0744
446.1887	5	A	21	2202.1090	1101.5584
543.2414	6	P	20	2131.0718	**1066.0398**
656.3255	7	L	19	2034.0191	1017.5135
784.3841	8	Q	18	1920.9350	**960.9714**
913.4267	9	E	17	1792.8764	**896.9421**
984.4638	10	A	16	1663.8338	**832.4208**
1115.5043	11	M	15	1592.7967	**796.9023**
1186.5414	12	A	14	1461.7562	**731.3820**
1285.6098	13	V	13	1390.7191	**695.8635**
1398.6939	14	L	12	1291.6507	**646.3293**
1526.7524	15	Q	11	1178.5667	589.7872
1663.8114	16	H	10	**1050.5081**	**525.7580**
1800.8703	17	H	9	**913.4492**	**457.2285**
1915.8972	18	D	8	**776.3903**	388.6990
1986.9343	19	A	7	**661.3633**	331.1856
2086.0027	20	V	6	**590.3262**	295.6670
2173.0348	21	S	5	**491.2578**	246.1328
2230.0562	22	G	4	404.2258	202.6168
2331.1039	23	T	3	347.2043	174.1061
2402.1410	24	A	2	246.1566	123.5822
	25	R	1	175.1195	88.0637

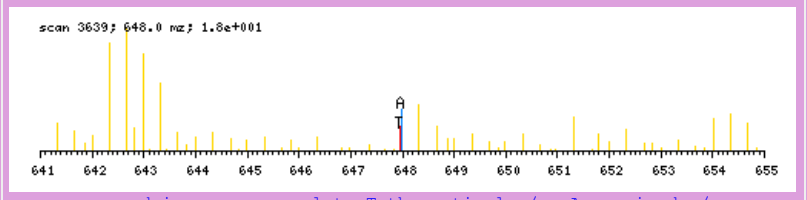
N-term:+29.04

SGEGNTSAAESSFSQEVAR, MH+ 1941.8790, m/z 647.9645
L OS G13 P120811 220811-s1.03643.03643.3.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±]



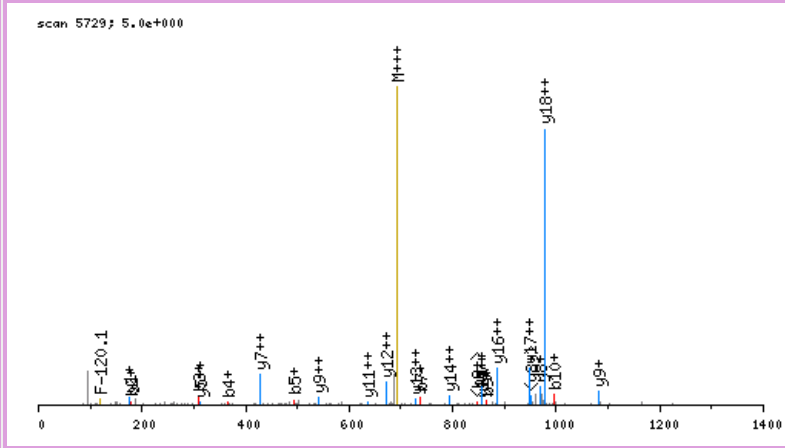
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	1826.8157	913.9117
302.1352	3	E	17	1769.7942	885.4010
359.1566	4	G	16	1640.7516	820.8797
473.1996	5	N	15	1583.7302	792.3690
574.2473	6	T	14	1469.6872	735.3475
661.2793	7	S	13	1368.6395	684.8237
732.3164	8	A	12	1281.6075	641.3077
803.3535	9	A	11	1210.5704	605.7891
932.3961	10	E	10	**1139.5333**	570.2706
1019.4281	11	S	9	**1010.4907**	505.7493
1106.4602	12	S	8	**923.4587**	462.2332
1253.5286	13	F	7	**836.4266**	418.7172
1340.5606	14	S	6	**689.3582**	**345.1830**
1468.6192	15	Q	5	**602.3262**	301.6670
1597.6618	16	E	4	**474.2676**	237.6377
1696.7302	17	V	3	**345.2250**	173.1164
1767.7673	18	A	2	**246.1566**	123.5822
	19	R	1	175.1195	88.0637

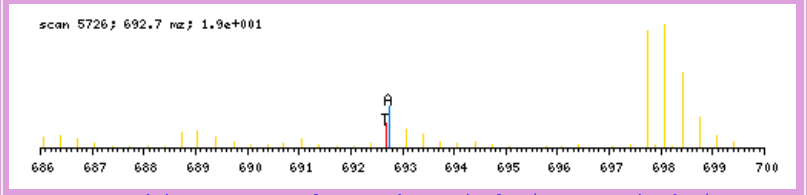
N-term:+29.04

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

SGEGQEDAGELDFSGLLKR, MH+ 2076.0886, m/z 692.7010
H OS G15 P120811 220811-s1.05729.05729.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



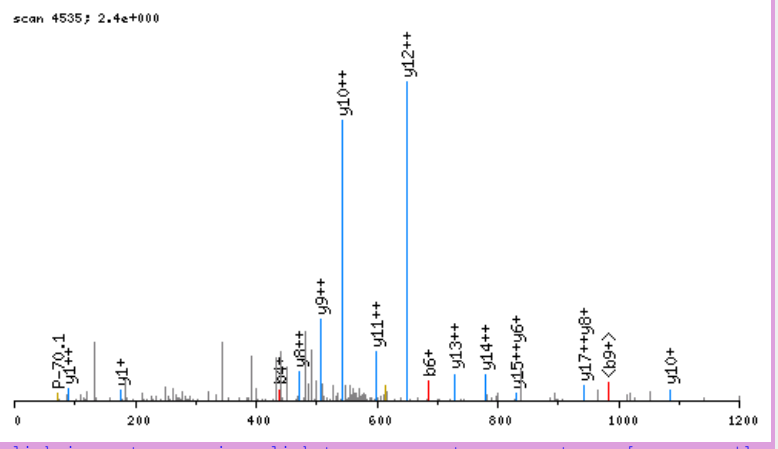
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
179.1244	2	G	18	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

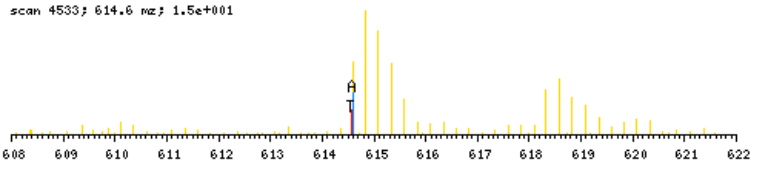
N-term:+35.07 K(18):+162.16

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

SGEHMDLTTCPLAAGGQQEKLR, MH+ 2455.2073, m/z 614.5573
L OS G17 P120811 220811-s1.04535.04535.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



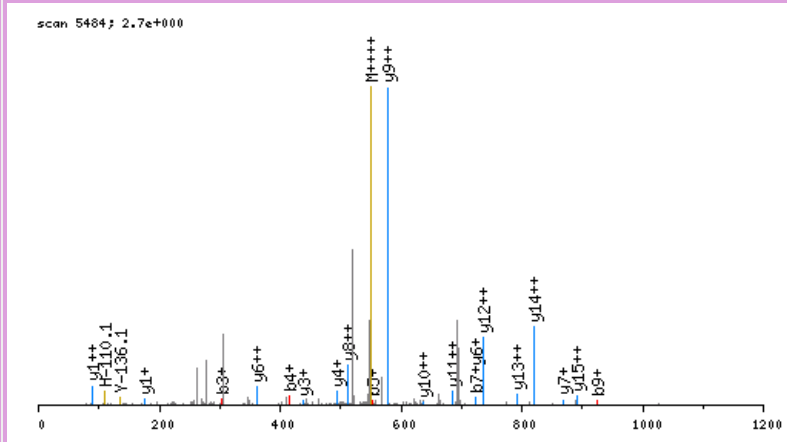
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
173.0926	2	G	21	2340.1440	1170.5759
302.1352	3	E	20	2283.1225	1142.0652
439.1941	4	H	19	2154.0800	1077.5439
570.2346	5	M	18	2017.0210	1009.0144
685.2615	6	D	17	1885.9806	**943.4942**
798.3456	7	L	16	1770.9536	885.9807
899.3933	8	T	15	1657.8696	**829.4387**
1000.4409	9	T	14	1556.8219	**778.9148**
1160.4715	10	C	13	1455.7742	**728.3910**
1257.5243	11	P	12	1295.7436	**648.3757**
1370.6084	12	L	11	1198.6908	**599.8493**
1441.6455	13	A	10	**1085.6068**	**543.3073**
1512.6826	14	A	9	1014.5697	**507.7887**
1569.7041	15	G	8	**943.5325**	**472.2702**
1626.7255	16	G	7	886.5111	443.7595
1754.7841	17	Q	6	**829.4896**	415.2487
1882.8427	18	Q	5	701.4310	351.2194
2011.8853	19	E	4	573.3725	287.1901
2168.0116	20	K	3	444.3299	222.6688
2281.0956	21	L	2	288.2036	144.6057
	22	R	1	**175.1195**	**88.0637**

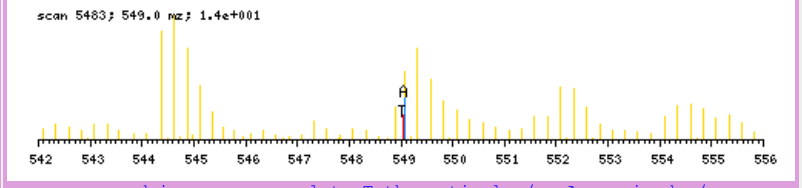
N-term:+29.04 C(10):+160.03
K(20):+156.13

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

SGELHGLTTDEKFVEGVYR, MH+ 2193.1192, m/z 549.0353
L OS G17 P120811 220811-s1.05484.05484.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



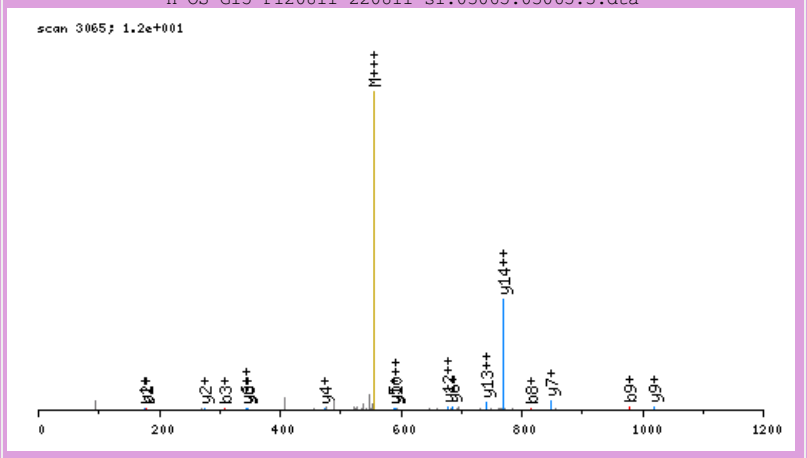
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	2078.0559	1039.5319
302.1352	3	E	17	2021.0344	1011.0211
415.2192	4	L	16	1891.9918	946.4998
552.2782	5	H	15	1778.9078	**889.9578**
609.2996	6	G	14	1641.8488	**821.4283**
722.3837	7	L	13	1584.8274	**792.9176**
823.4314	8	T	12	1471.7433	**736.3756**
924.4790	9	T	11	1370.6956	**685.8517**
1039.5060	10	D	10	1269.6480	**635.3279**
1168.5486	11	E	9	1154.6210	**577.8144**
1324.6749	12	K	8	1025.5784	**513.2931**
1471.7433	13	F	7	**869.4521**	435.2300
1570.8117	14	V	6	**722.3837**	**361.6958**
1699.8543	15	E	5	623.3153	312.1616
1756.8758	16	G	4	**494.2727**	247.6403
1855.9442	17	V	3	**437.2512**	219.1295
2019.0075	18	Y	2	338.1828	169.5953
	19	R	1	**175.1195**	**88.0637**

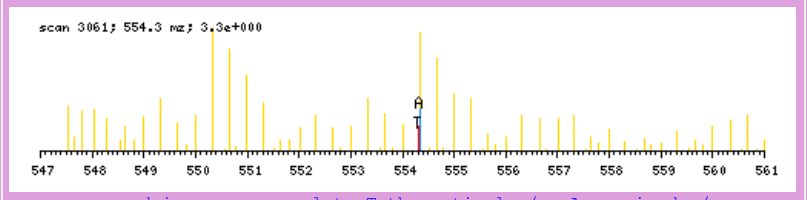
N-term:+29.04 K(12):+156.13

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

SGETAKGDYPLEAVR, MH+ 1660.9182, m/z 554.3109
H OS G15 P120811 220811-s1.03065.03065.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



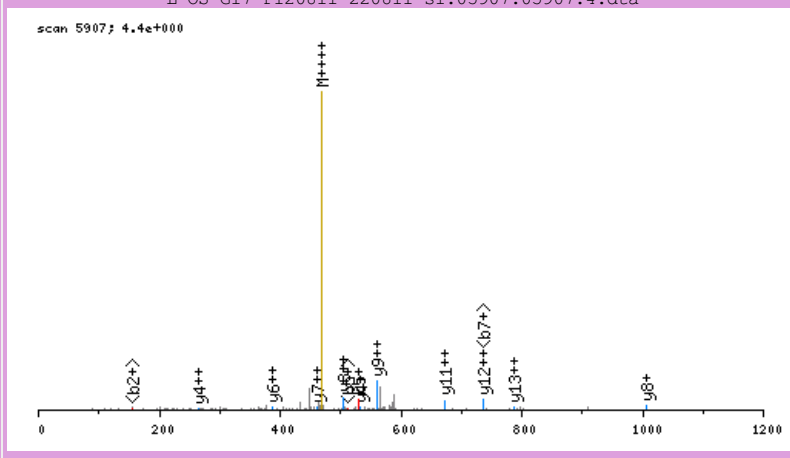
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
179.1244	2	G	14	1539.8231	770.4155
308.1670	3	E	13	1482.8017	741.9047
409.2147	4	T	12	1353.7591	677.3835
480.2518	5	A	11	1252.7114	626.8596
642.4099	6	K	10	1181.6743	591.3411
699.4313	7	G	9	1019.5162	510.2620
814.4583	8	D	8	962.4947	481.7513
977.5216	9	Y	7	847.4678	424.2378
1074.5744	10	P	6	684.4044	342.7061
1187.6584	11	L	5	587.3517	294.1798
1316.7010	12	E	4	474.2676	237.6377
1387.7381	13	A	3	345.2250	173.1164
1486.8066	14	V	2	274.1879	137.5979
	15	R	1	175.1195	88.0637

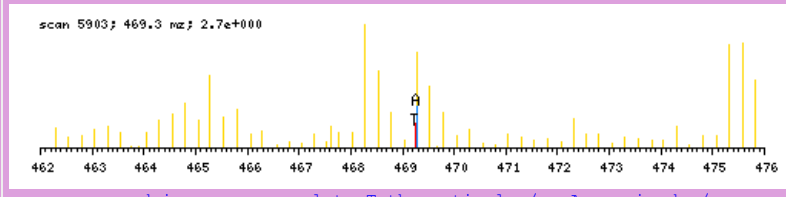
N-term:+35.07 K(6):+162.16

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

SGEVESHLSFLEKSLR, MH+ 1874.0024, m/z 469.2560
L OS G17 P120811 220811-s1.05907.05907.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



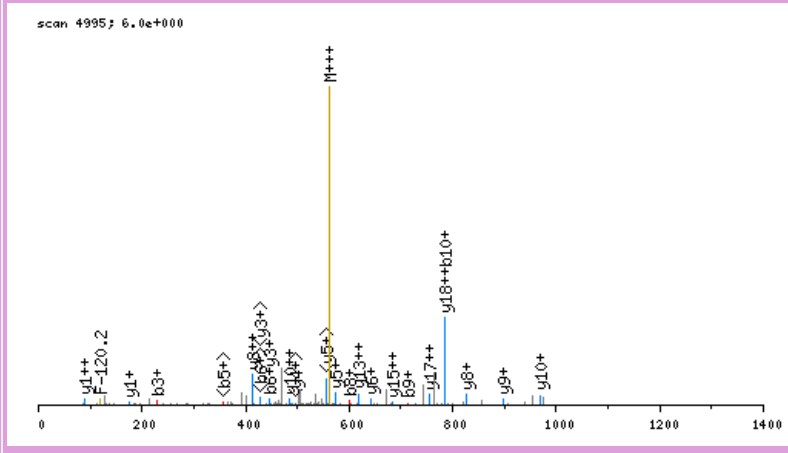
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
173.0926	2	G	15	1758.9391	879.9734
302.1352	3	E	14	1701.9176	851.4627
401.2036	4	V	13	1572.8750	**786.9414**
530.2462	5	E	12	1473.8066	**737.4072**
617.2782	6	S	11	1344.7640	**672.8859**
754.3371	7	H	10	1257.7320	629.3699
867.4212	8	L	9	1120.6731	**560.8404**
954.4532	9	S	8	**1007.5890**	**504.2984**
1101.5216	10	F	7	920.5570	**460.7824**
1214.6057	11	L	6	773.4886	**387.2482**
1343.6483	12	E	5	660.4045	330.7062
1499.7746	13	K	4	**531.3619**	**266.1849**
1586.8066	14	S	3	375.2356	188.1217
1699.8907	15	L	2	288.2036	144.6057
	16	R	1	175.1195	88.0637

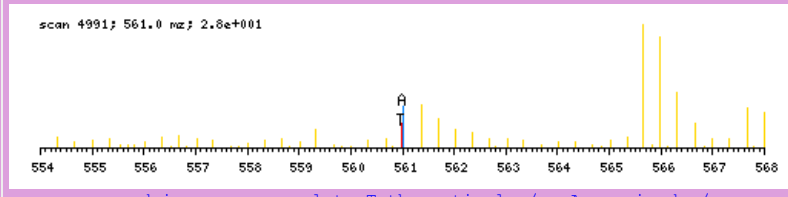
N-term:+29.04 K(13):+156.13

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

SGGSGAPGLAAAIAGAKLR, MH+ 1680.9761, m/z 560.9969
L OS G15 P120811 220811-s1.04995.04995.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



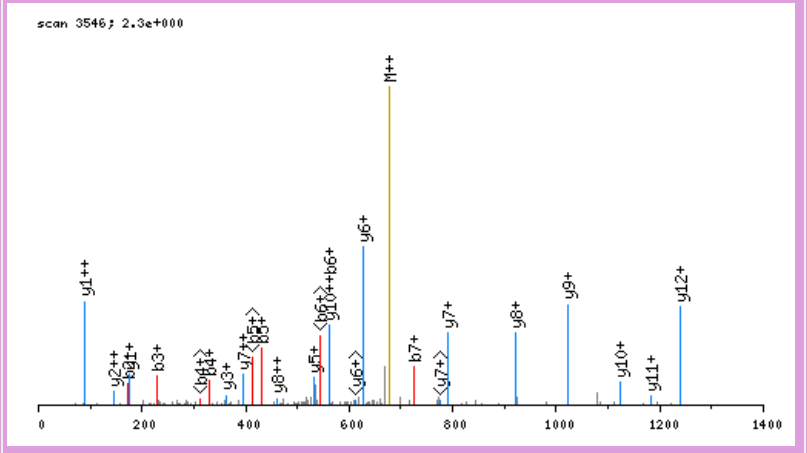
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
173.0926	2	G	18	1565.9128	**783.4603**
230.1141	3	G	17	1508.8913	**754.9496**
317.1461	4	S	16	1451.8699	726.4388
374.1675	5	G	15	1364.8378	**682.9228**
445.2047	6	A	14	1307.8164	654.4121
542.2574	7	P	13	1236.7793	**618.8935**
599.2789	8	G	12	1139.7265	570.3672
712.3630	9	L	11	1082.7050	541.8564
783.4001	10	A	10	**969.6210**	**485.3144**
854.4372	11	A	9	**898.5838**	449.7958
925.4743	12	A	8	**827.5467**	**414.2773**
1038.5584	13	I	7	756.5096	378.7587
1109.5955	14	A	6	**643.4256**	322.2167
1166.6169	15	G	5	**572.3884**	286.6981
1237.6541	16	A	4	515.3670	258.1874
1393.7804	17	K	3	**444.3299**	222.6688
1506.8644	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	**88.0637**

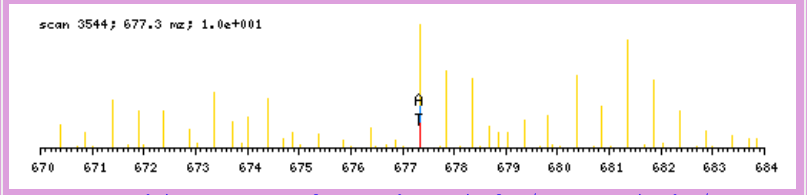
N-term:+29.04 K(17):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SGGTTMYPGIADR, MH+ 1353.6473, m/z 677.3273
L OS G13 P120811 220811-s1.03546.03546.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

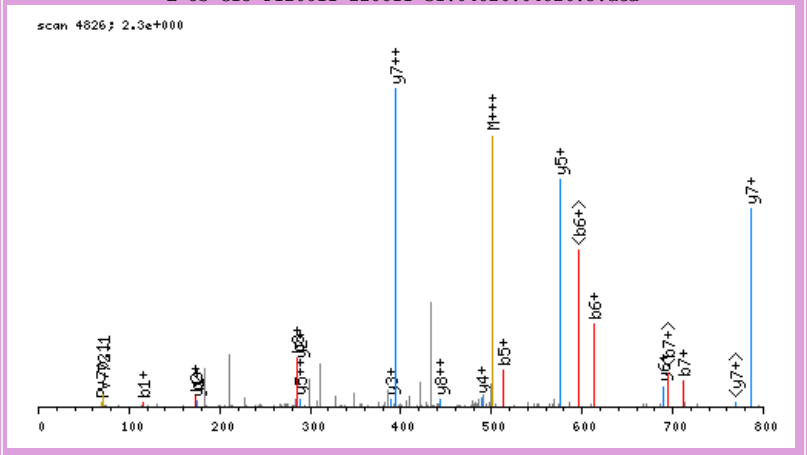


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

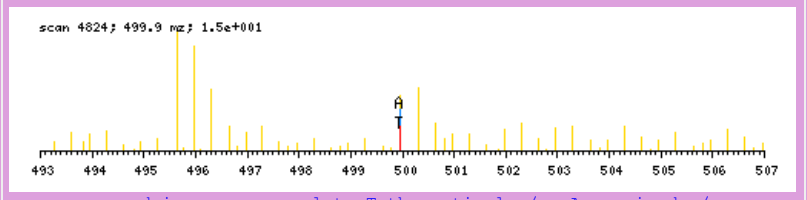
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
173.0926	2	G	12	1238.5839	619.7959
230.1141	3	G	11	1181.5625	591.2852
331.1617	4	T	10	1124.5410	562.7744
432.2094	5	T	9	1023.4933	512.2506
563.2499	6	M	8	922.4457	461.7267
726.3132	7	Y	7	791.4052	396.2065
823.3660	8	P	6	628.3418	314.6748
880.3875	9	G	5	531.2891	266.1485
993.4715	10	I	4	474.2676	237.6377
1064.5086	11	A	3	361.1836	181.0957
1179.5356	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

N-term:+29.04

SGIPETVPLSTVNR, MH+ 1497.8277, m/z 499.9474
L OS G13 P120811 220811-s1.04826.04826.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

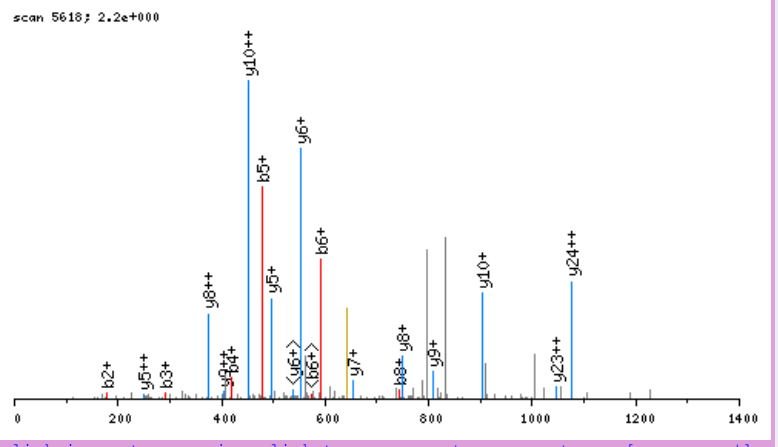
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
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

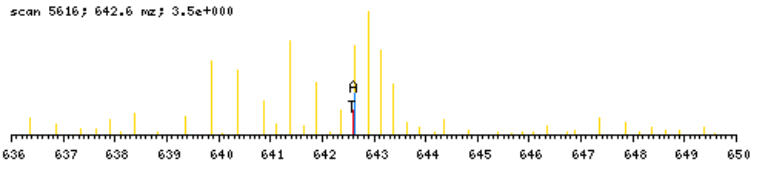
N-term:+29.04

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

SGLQGLPGLAGLHGDQGAPGPVGPAGPR, MH+ 2567.3906, m/z 642.6031
H_OS_G14_P120811_220811-s1.05618.05618.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



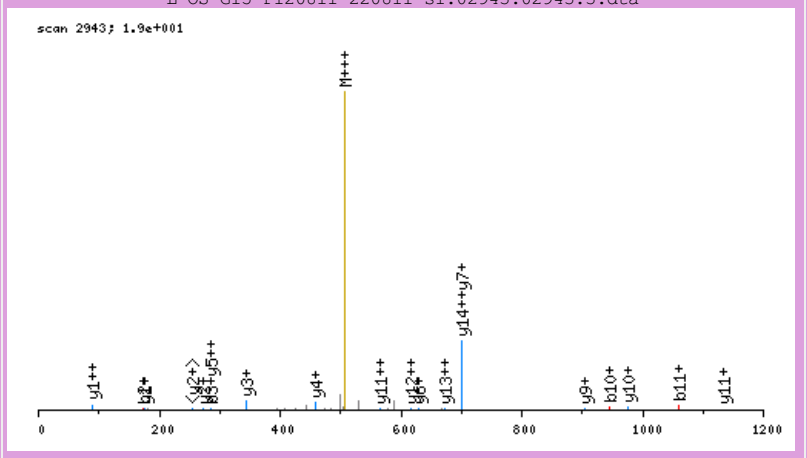
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	28		
179.1244	2	G	27	2446.2955	1223.6517
292.2085	3	L	26	2389.2741	1195.1409
420.2670	4	Q	25	2276.1900	1138.5989
477.2885	5	G	24	2148.1314	**1074.5696**
590.3726	6	L	23	2091.1099	**1046.0589**
687.4253	7	P	22	1978.0259	989.5169
744.4468	8	G	21	1880.9731	940.9905
857.5309	9	L	20	1823.9517	912.4797
928.5680	10	A	19	1710.8676	855.9377
985.5894	11	G	18	1639.8305	820.4192
1098.6735	12	L	17	1582.8090	791.9084
1235.7324	13	H	16	1469.7249	735.3664
1292.7539	14	G	15	1332.6660	666.8369
1407.7808	15	D	14	1275.6446	638.3262
1535.8394	16	Q	13	1160.6176	580.8127
1592.8609	17	G	12	1032.5591	516.7834
1663.8980	18	A	11	975.5376	488.2727
1760.9507	19	P	10	**904.5005**	**452.7542**
1817.9722	20	G	9	**807.4477**	**404.2278**
1915.0250	21	P	8	**750.4262**	**375.7170**
2014.0934	22	V	7	**653.3735**	327.1907
2071.1148	23	G	6	**554.3051**	277.6564
2168.1676	24	P	5	**497.2836**	**249.1457**
2239.2047	25	A	4	400.2308	200.6193
2296.2262	26	G	3	329.1937	165.1008
2393.2789	27	P	2	272.1723	136.5900
	28	R	1	175.1195	88.0637

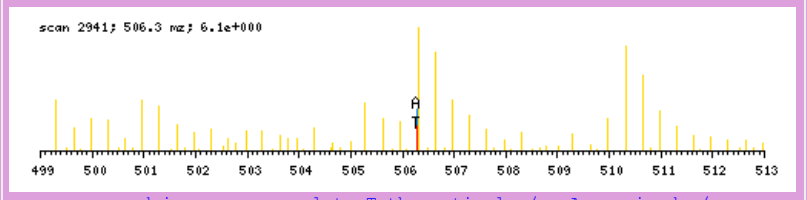
N-term:+35.07

SGLVKAGFAGDDAPR, MH+ 1516.8124, m/z 506.2756
L OS G15 P120811 220811-s1.02943.02943.3.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±]



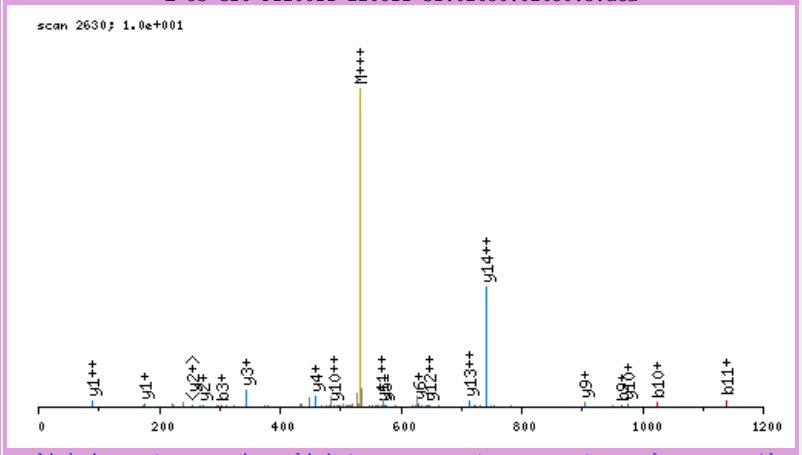
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
173.0926	2	G	14	1401.7491	**701.3785**
286.1767	3	L	13	1344.7276	**672.8677**
385.2451	4	V	12	1231.6435	**616.3257**
541.3714	5	K	11	**1132.5751**	**566.7915**
612.4085	6	A	10	**976.4488**	488.7283
669.4299	7	G	9	**905.4117**	453.2098
816.4984	8	F	8	848.3903	424.6990
887.5355	9	A	7	**701.3218**	351.1648
944.5569	10	G	6	**630.2847**	315.6463
1059.5839	11	D	5	573.2633	**287.1355**
1174.6108	12	D	4	**458.2363**	229.6221
1245.6479	13	A	3	**343.2094**	172.1086
1342.7007	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	**88.0637**

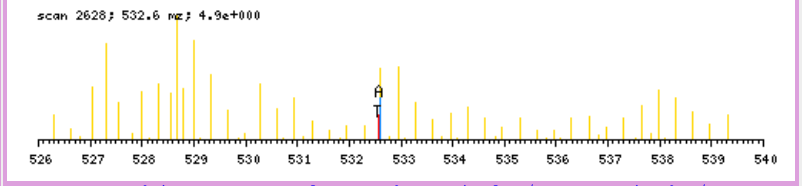
N-term:+29.04 K(5):+156.13

SGMCKAGFAGDDAPR, MH+ 1595.7310, m/z 532.5818
L OS G16 P120811 220811-s1.02630.02630.3.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±]



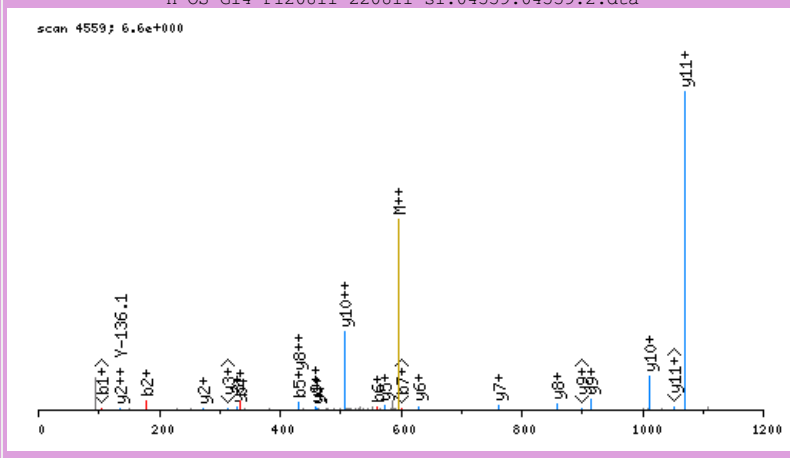
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
173.0926	2	G	14	1480.6677	**740.8378**
304.1331	3	M	13	1423.6462	**712.3270**
464.1637	4	C	12	1292.6057	**646.8068**
620.2900	5	K	11	1132.5751	**566.7915**
691.3271	6	A	10	**976.4488**	**488.7283**
748.3486	7	G	9	**905.4117**	453.2098
895.4170	8	F	8	848.3903	424.6990
966.4541	9	A	7	701.3218	351.1648
1023.4755	10	G	6	**630.2847**	315.6463
1138.5025	11	D	5	**573.2633**	287.1355
1253.5294	12	D	4	**458.2363**	229.6221
1324.5665	13	A	3	**343.2094**	172.1086
1421.6193	14	P	2	**272.1723**	136.5900
	15	R	1	**175.1195**	**88.0637**

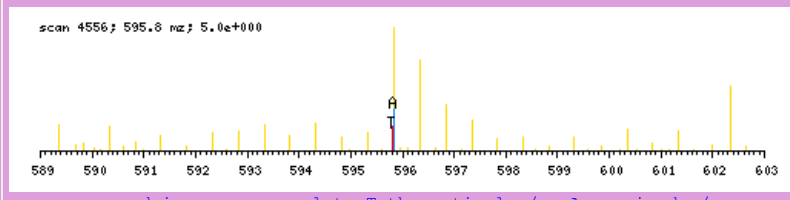
N-term:+29.04 C(4):+160.03
K(5):+156.13

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

SGPGPMGLMGPR, MH+ 1190.6238, m/z 595.8155
H_OS_G14_P120811_220811-s1.04559.04559.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



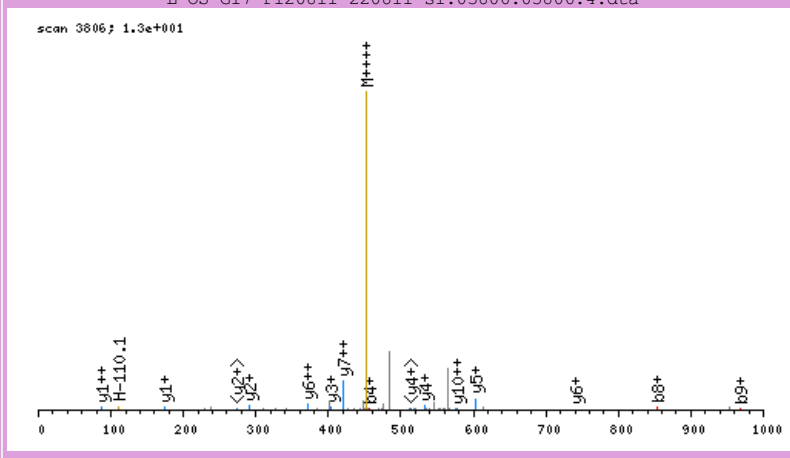
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
179.1244	2	G	11	1069.5287	535.2683
276.1772	3	P	10	1012.5072	506.7575
333.1986	4	G	9	915.4545	458.2311
430.2514	5	P	8	858.4330	429.7204
561.2919	6	M	7	761.3802	381.1940
618.3133	7	G	6	630.3397	315.6738
731.3974	8	L	5	573.3183	287.1631
862.4379	9	M	4	460.2342	230.6210
919.4593	10	G	3	329.1937	165.1008
1016.5121	11	P	2	272.1723	136.5900
	12	R	1	175.1195	88.0637

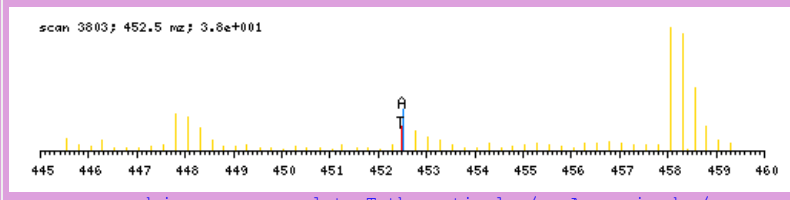
N-term:+35.07

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

SGQKPVLSDVHAELDR, MH+ 1806.9714, m/z 452.4983
L OS G17 P120811 220811-s1.03806.03806.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



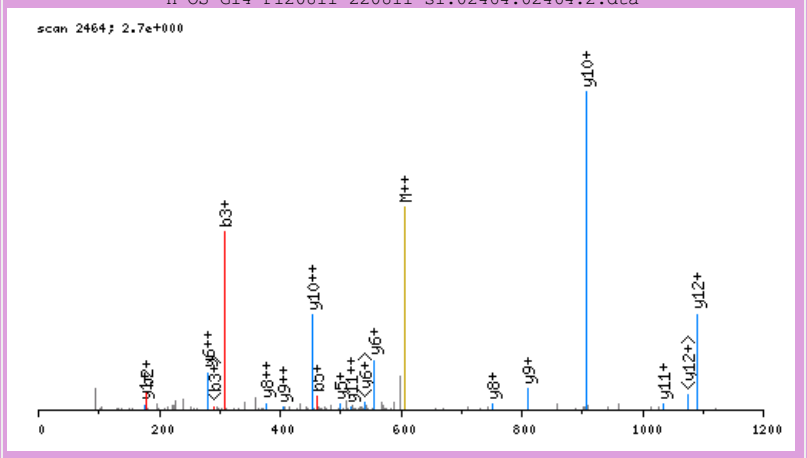
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
173.0926	2	G	15	1691.9081	846.4580
301.1512	3	Q	14	1634.8866	817.9472
457.2775	4	K	13	1506.8281	753.9179
554.3302	5	P	12	1350.7018	675.8548
653.3986	6	V	11	1253.6490	627.3284
766.4827	7	L	10	1154.5806	**577.7942**
853.5147	8	S	9	1041.4965	521.2522
968.5417	9	D	8	954.4645	477.7362
1067.6101	10	V	7	839.4375	**420.2227**
1204.6690	11	H	6	**740.3691**	**370.6885**
1275.7061	12	A	5	**603.3102**	302.1590
1404.7487	13	E	4	**532.2731**	266.6405
1517.8328	14	L	3	**403.2305**	202.1192
1632.8597	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	**88.0637**

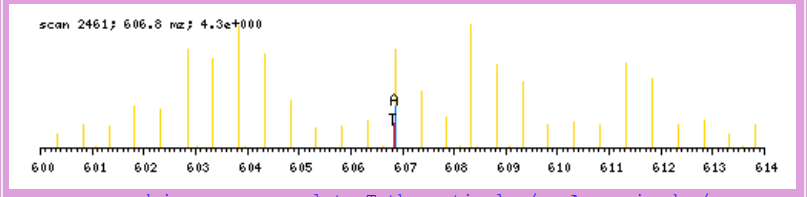
N-term:+29.04 K(4):+156.13

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

SGQPGPVGPAGVR, MH+ 1212.6913, m/z 606.8493
H OS G14 P120811 220811-s1.02464.02464.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



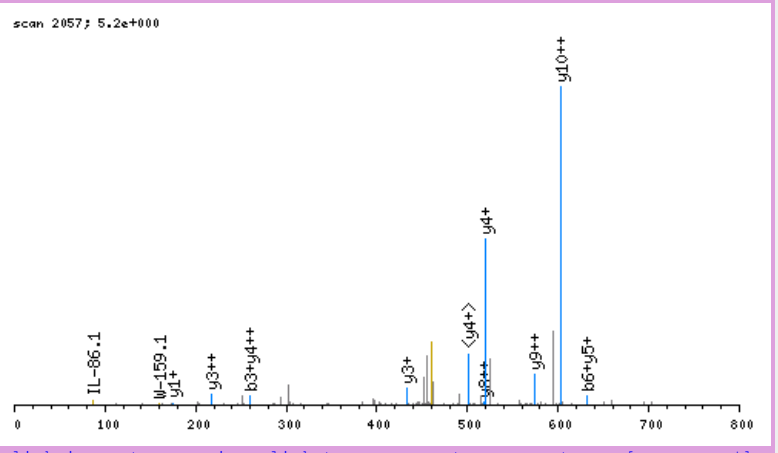
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
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

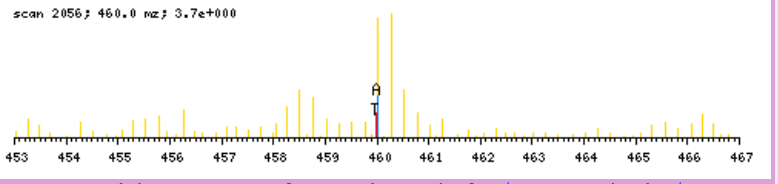
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SGSSKEGNECLLSKTR, MH+ 1836.9489, m/z 459.9927
L OS G18 P120811 220811-s1.02057.02057.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



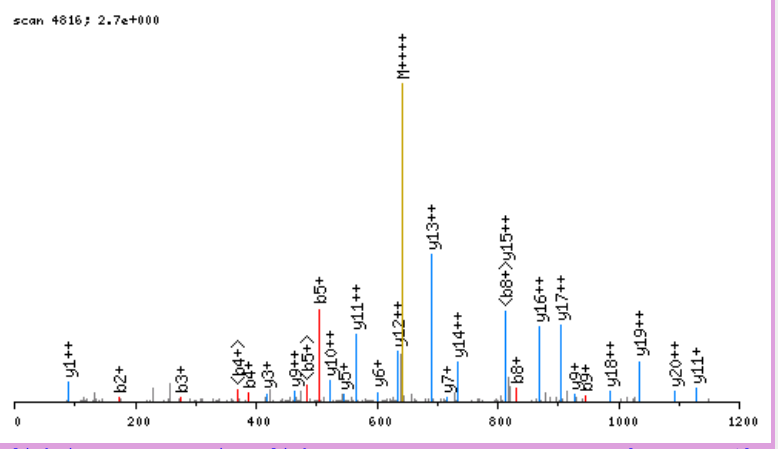
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
173.0926	2	G	15	1721.8856	861.4467
260.1246	3	S	14	1664.8642	832.9360
347.1566	4	S	13	1577.8321	789.4200
503.2829	5	K	12	1490.8001	745.9040
632.3255	6	E	11	1334.6738	667.8408
689.3470	7	G	10	1205.6312	**603.3195**
803.3899	8	N	9	1148.6098	**574.8088**
932.4325	9	E	8	1034.5668	**517.7873**
1092.4631	10	C	7	905.5242	453.2660
1205.5472	11	L	6	745.4936	373.2507
1318.6313	12	L	5	**632.4096**	316.7087
1405.6633	13	S	4	**519.3255**	**260.1667**
1561.7896	14	K	3	**432.2935**	**216.6507**
1662.8373	15	T	2	276.1672	138.5875
	16	R	1	**175.1195**	88.0637

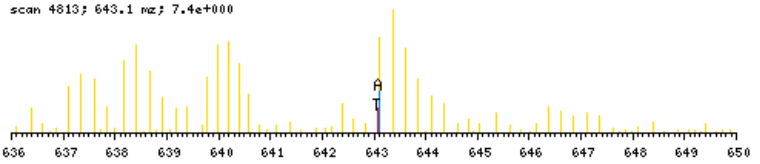
N-term:+29.04 K(5):+156.13
C(10):+160.03 K(14):+156.13

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

SGTNDPCALCSLHSIGKIGGAQNR, MH+ 2569.2614, m/z 643.0708
L OS G17 P120811 220811-s1.04816.04816.4.dta



click image to zoom in; click top corners to zoom out [precursor]



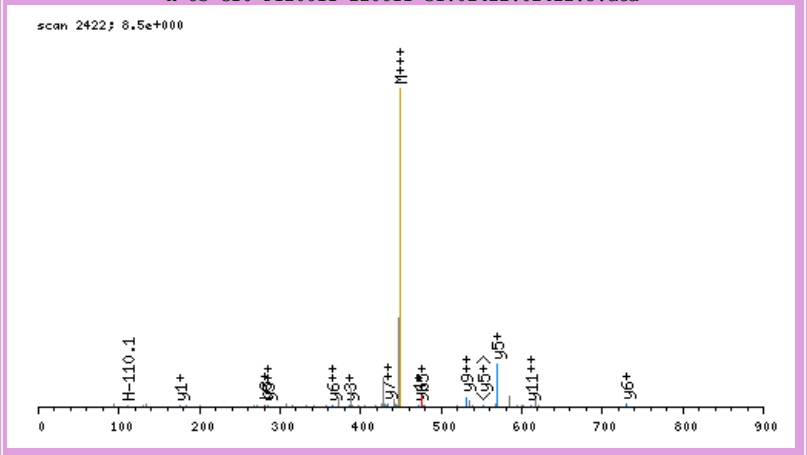
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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**

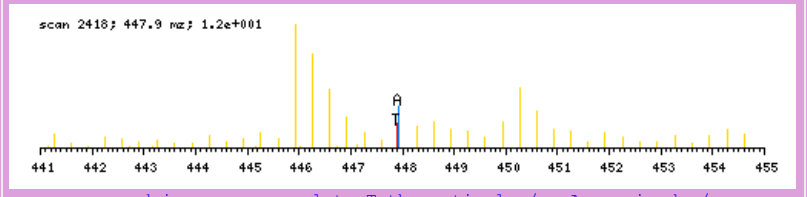
N-term:+29.04 C(7):+160.03
C(10):+160.03 K(17):+156.13

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 G16 P120811 220811-s1.02422.02422.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



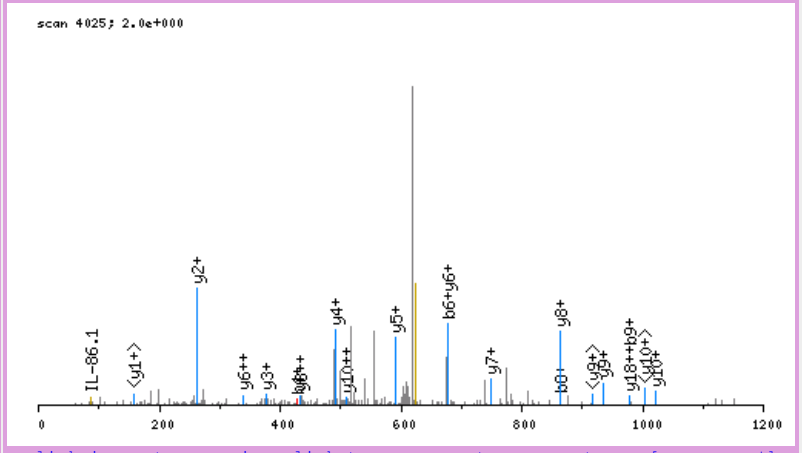
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

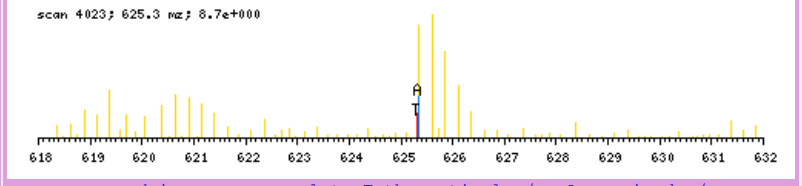
N-term:+35.07 C(7):+160.03

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

SGVKIHVSDQELQSANASVDDSR, MH+ 2498.2487, m/z 625.3176
L OS G17 P120811 220811-s1.04025.04025.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



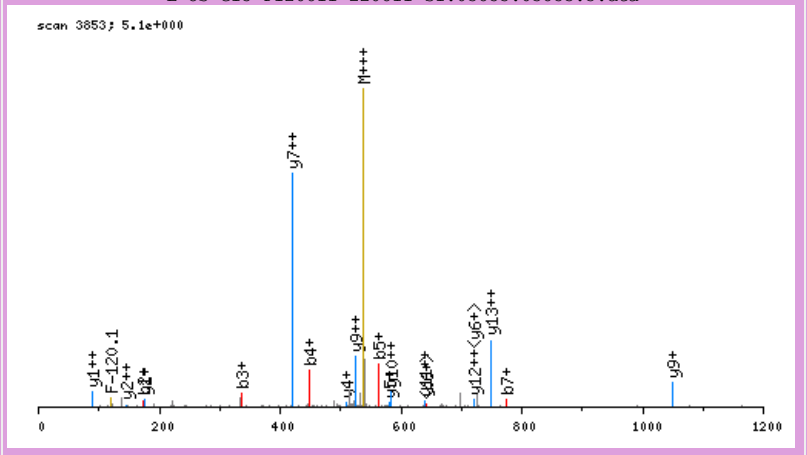
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
173.0926	2	G	22	2383.1854	1192.0966
272.1610	3	V	21	2326.1639	1163.5859
428.2873	4	K	20	2227.0955	1114.0517
541.3714	5	I	19	2070.9692	1035.9885
678.4303	6	H	18	1957.8852	**979.4465**
777.4987	7	V	17	1820.8262	910.9170
864.5307	8	S	16	1721.7578	861.3828
979.5577	9	D	15	1634.7258	817.8668
1107.6162	10	Q	14	1519.6989	760.3533
1236.6588	11	E	13	1391.6403	696.3241
1349.7429	12	L	12	1262.5977	631.8028
1477.8015	13	Q	11	1149.5136	575.2607
1564.8335	14	S	10	**1021.4550**	**511.2314**
1635.8706	15	A	9	**934.4230**	467.7154
1749.9135	16	N	8	**863.3859**	**432.1969**
1820.9507	17	A	7	**749.3430**	375.1754
1907.9827	18	S	6	**678.3059**	**339.6568**
2007.0511	19	V	5	**591.2738**	296.1408
2122.0780	20	D	4	**492.2054**	246.6066
2237.1050	21	D	3	**377.1785**	189.0931
2324.1370	22	S	2	**262.1515**	131.5797
	23	R	1	175.1195	88.0637

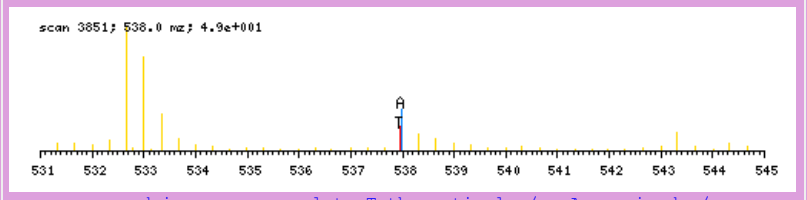
N-term:+29.04 K(4):+156.13

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

SGYLLPDTKAYGDR, MH+ 1611.8383, m/z 537.9509
L OS G15 P120811 220811-s1.03853.03853.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



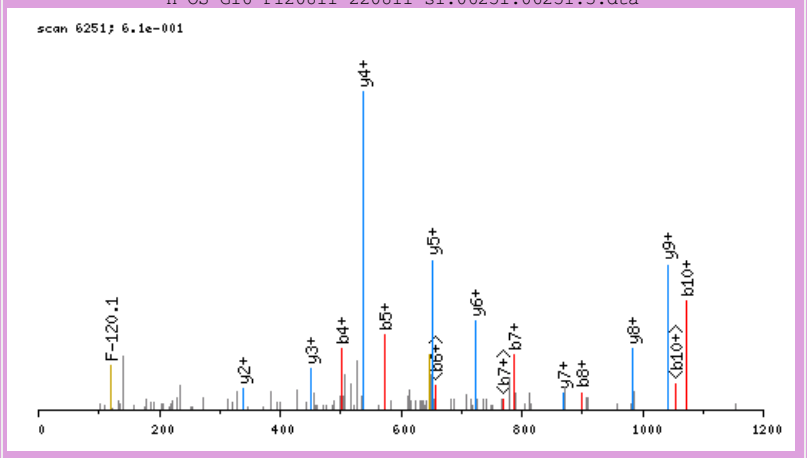
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
173.0926	2	G	13	1496.7750	748.8914
336.1559	3	Y	12	1439.7535	720.3807
449.2400	4	L	11	1276.6902	638.8490
562.3240	5	L	10	1163.6061	582.3070
659.3768	6	P	9	1050.5220	525.7649
774.4038	7	D	8	953.4693	477.2385
875.4514	8	T	7	838.4423	419.7251
1031.5777	9	K	6	737.3946	369.2012
1102.6148	10	A	5	581.2683	291.1381
1265.6782	11	Y	4	510.2312	255.6195
1322.6996	12	G	3	347.1679	174.0879
1437.7266	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

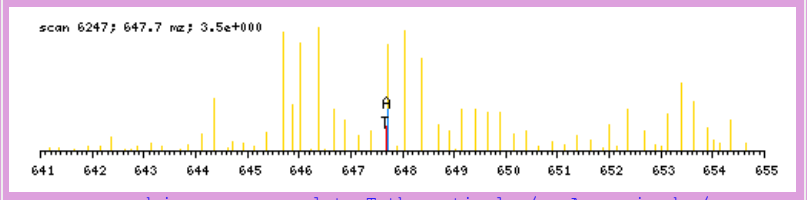
N-term:+29.04 K(9):+156.13

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

SHEIATNLGDFAISLYR, MH+ 1941.0294, m/z 647.6813
H OS G16 P120811 220811-s1.06251.06251.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



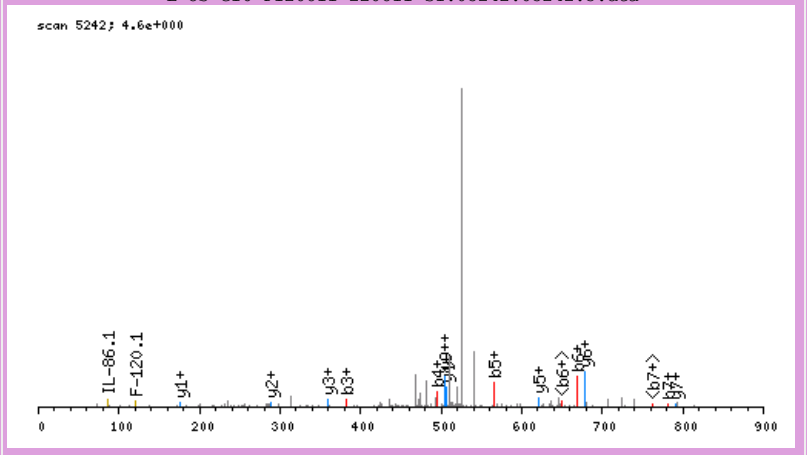
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
259.1618	2	H	16	1819.9343	910.4710
388.2044	3	E	15	1682.8754	841.9416
501.2885	4	I	14	1553.8328	777.4203
572.3256	5	A	13	1440.7487	720.8783
673.3733	6	T	12	1369.7116	685.3597
787.4162	7	N	11	1268.6639	634.8359
900.5003	8	L	10	1154.6210	577.8144
957.5217	9	G	9	**1041.5369**	521.2724
1072.5487	10	D	8	**984.5155**	492.7616
1219.6171	11	F	7	**869.4885**	435.2482
1290.6542	12	A	6	**722.4201**	361.7140
1403.7383	13	I	5	**651.3830**	326.1954
1490.7703	14	S	4	**538.2989**	269.6534
1603.8544	15	L	3	**451.2669**	226.1374
1766.9177	16	Y	2	**338.1828**	169.5953
	17	R	1	175.1195	88.0637

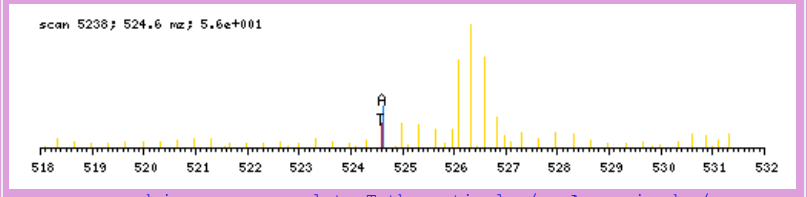
N-term:+35.07

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

SHEIATNLGDFALR, MH+ 1571.8182, m/z 524.6109
L OS G16 P120811 220811-s1.05242.05242.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

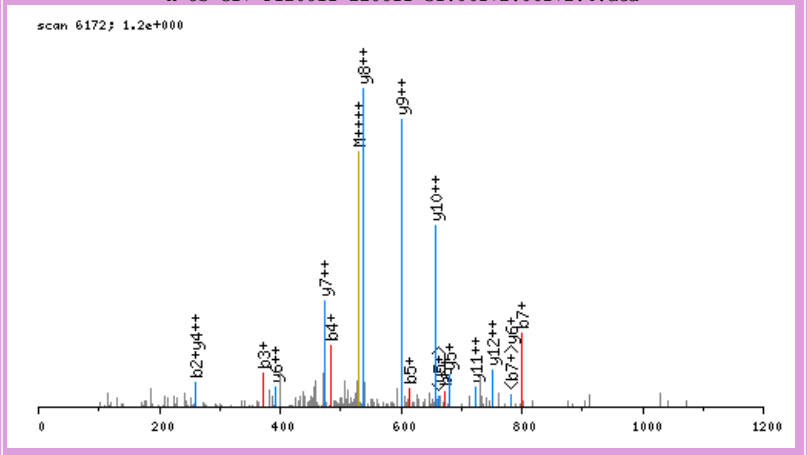


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

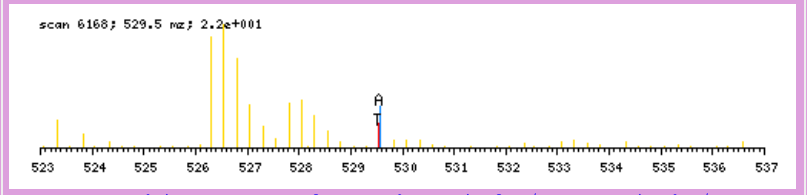
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
253.1300	2	H	13	1456.7549	728.8813
382.1726	3	E	12	1319.6959	660.3519
495.2567	4	I	11	1190.6533	595.8306
566.2938	5	A	10	1077.5693	539.2886
667.3415	6	T	9	1006.5322	**503.7700**
781.3844	7	N	8	905.4845	453.2462
894.4685	8	L	7	**791.4416**	396.2247
951.4899	9	G	6	**678.3575**	339.6827
1066.5169	10	D	5	**621.3360**	311.1719
1213.5853	11	F	4	**506.3091**	253.6585
1284.6224	12	A	3	**359.2407**	180.1243
1397.7065	13	L	2	**288.2036**	144.6057
	14	R	1	**175.1195**	88.0637

N-term:+29.04

SHLLEGELEEYTKTIER, MH+ 2115.1610, m/z 529.5457
H OS G17 P120811 220811-s1.06172.06172.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

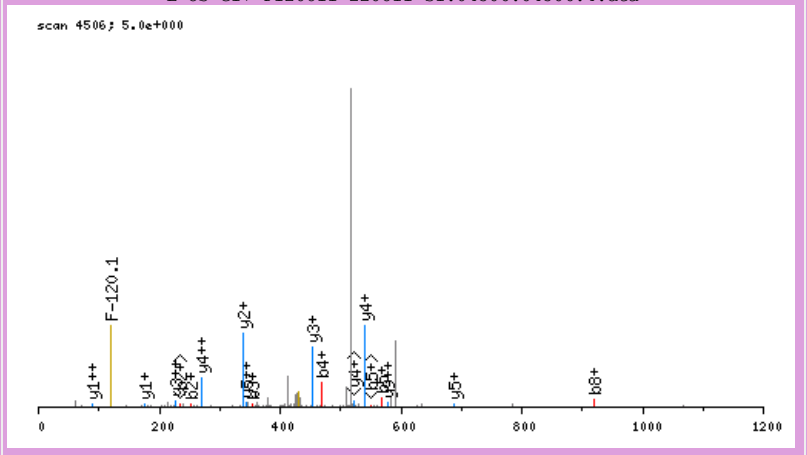
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
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

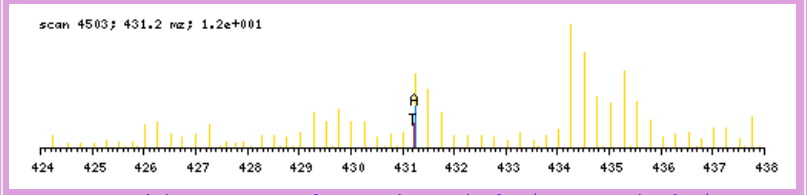
N-term:+35.07 K(13):+162.16

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 G17 P120811 220811-s1.04506.04506.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

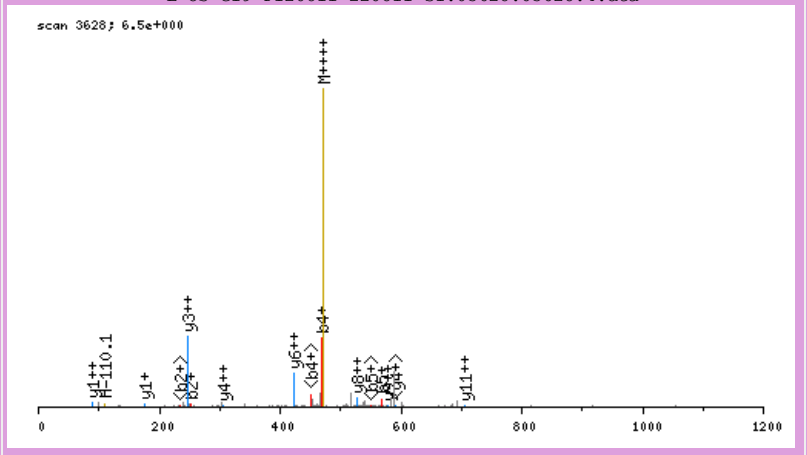


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

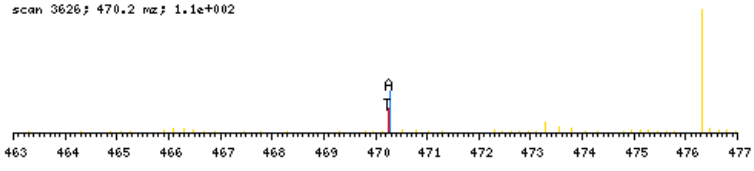
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
253.1300	2	H	13	1606.7866	803.8972
354.1777	3	T	12	1469.7277	735.3677
469.2047	4	D	11	1368.6800	684.8439
568.2731	5	V	10	1253.6530	627.3304
724.3994	6	K	9	1154.5846	**577.7962**
823.4678	7	V	8	998.4583	499.7331
920.5206	8	P	7	899.3899	450.1989
1035.5475	9	D	6	802.3372	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

SHTDVKVPDFSDYRR, MH+ 1877.9510, m/z 470.2432
L OS G19 P120811 220811-s1.03628.03628.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

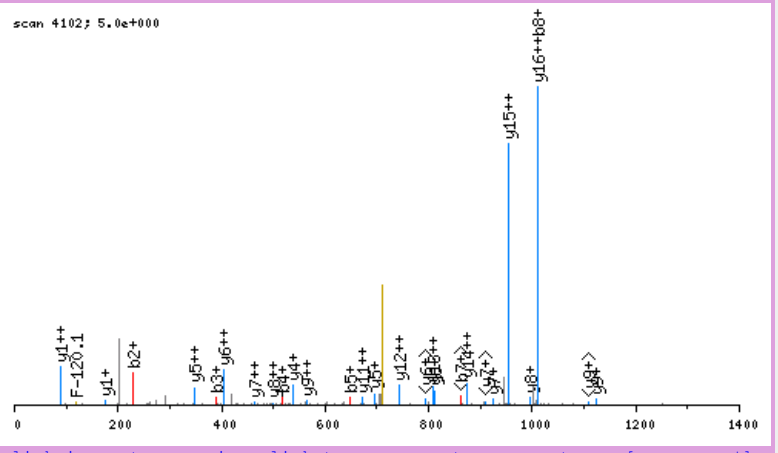
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
253.1300	2	H	14	1762.8877	881.9478
354.1777	3	T	13	1625.8288	813.4183
469.2047	4	D	12	1524.7811	762.8945
568.2731	5	V	11	1409.7542	**705.3810**
724.3994	6	K	10	1310.6857	655.8468
823.4678	7	V	9	1154.5594	**577.7836**
920.5206	8	P	8	1055.4910	**528.2494**
1035.5475	9	D	7	958.4383	479.7230
1182.6159	10	F	6	843.4113	**422.2096**
1269.6479	11	S	5	696.3429	348.6754
1384.6749	12	D	4	609.3109	**305.1594**
1547.7382	13	Y	3	494.2839	**247.6459**
1703.8393	14	R	2	331.2206	166.1142
	15	R	1	**175.1195**	**88.0637**

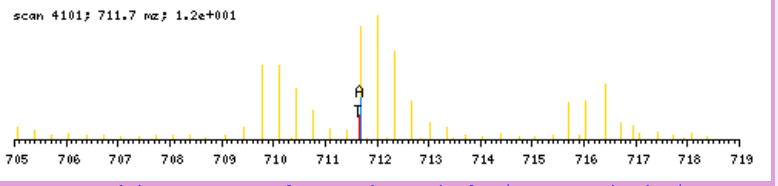
N-term:+29.04 K(6):+156.13

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

SICEEFSQQADDKGCFR, MH+ 2132.9380, m/z 711.6509
L OS G15 P120811 220811-s1.04102.04102.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



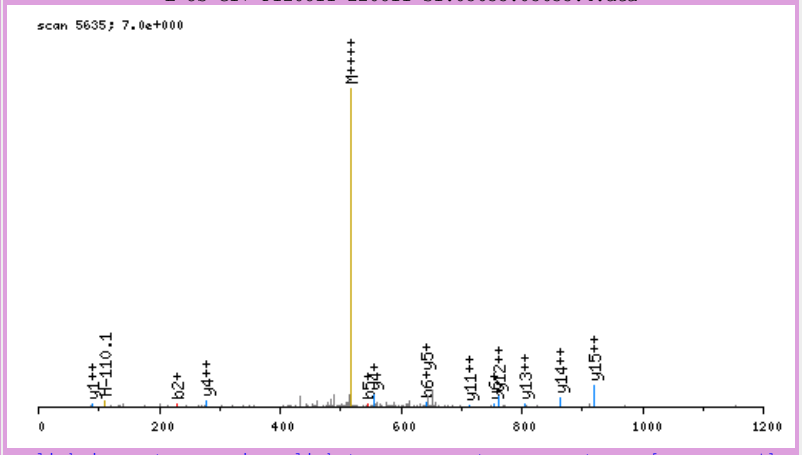
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

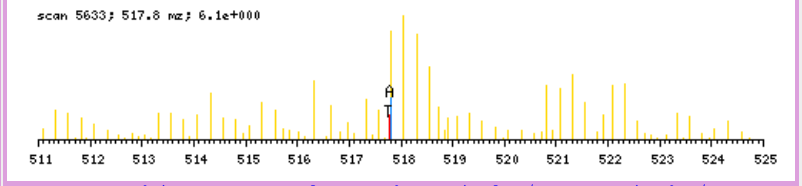
N-term:+29.04 C(3):+160.03
K(13):+156.13 C(15):+160.03

SIDNSPVKWCALSHLER, MH+ 2068.0649, m/z 517.7717
L OS G17 P120811 220811-s1.05635.05635.4.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±]

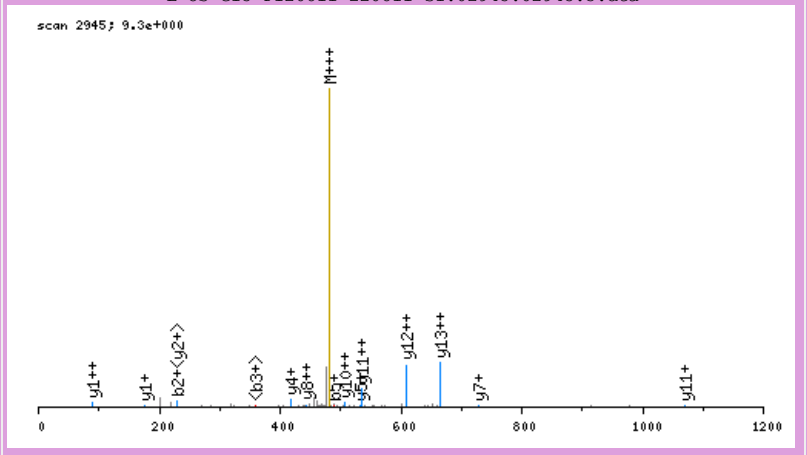


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

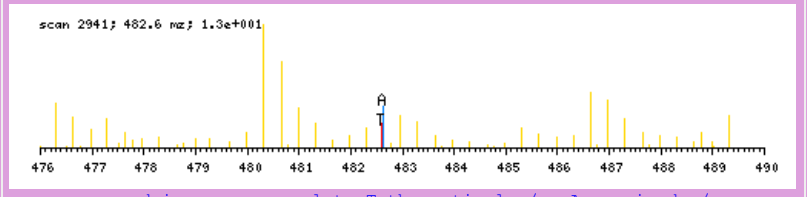
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
229.1552	2	I	16	1953.0016	977.0047
344.1821	3	D	15	1839.9176	**920.4627**
458.2251	4	N	14	1724.8906	**862.9492**
545.2571	5	S	13	1610.8477	**805.9278**
642.3099	6	P	12	1523.8157	**762.4117**
741.3783	7	V	11	1426.7629	**713.8854**
897.5046	8	K	10	1327.6945	664.3512
1083.5839	9	W	9	1171.5682	586.2880
1243.6145	10	C	8	985.4889	493.2484
1314.6516	11	A	7	825.4583	413.2331
1427.7357	12	L	6	**754.4212**	377.7145
1514.7677	13	S	5	**641.3371**	321.1725
1651.8266	14	H	4	**554.3051**	**277.6564**
1764.9107	15	L	3	417.2462	209.1270
1893.9533	16	E	2	304.1621	152.5850
	17	R	1	175.1195	**88.0637**

N-term:+29.04 K(8):+156.13
C(10):+160.03

SIFGGAKPVDTAAR, MH+ 1445.8117, m/z 482.6087
L OS G15 P120811 220811-s1.02945.02945.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

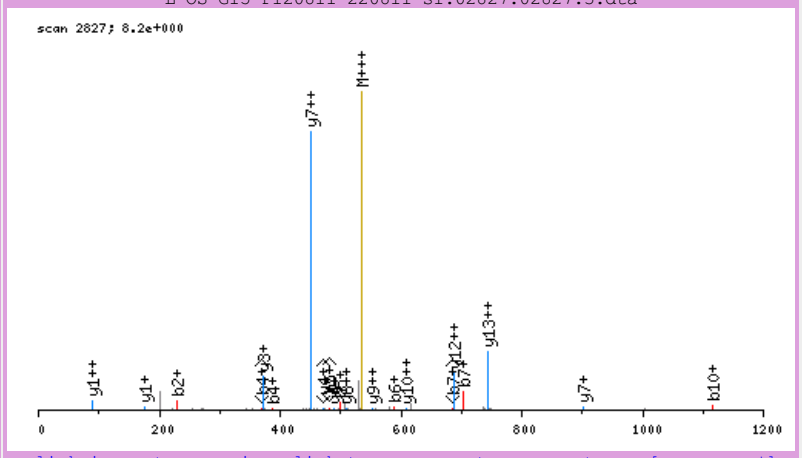
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
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**

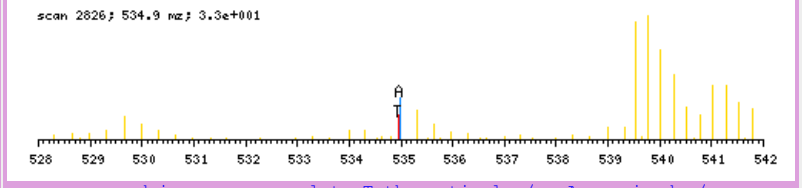
N-term:+29.04 K(7):+156.13

SIGTLSDPCKDPTR, MH+ 1602.8161, m/z 534.9435
L OS G15 P120811 220811-s1.02827.02827.3.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±]

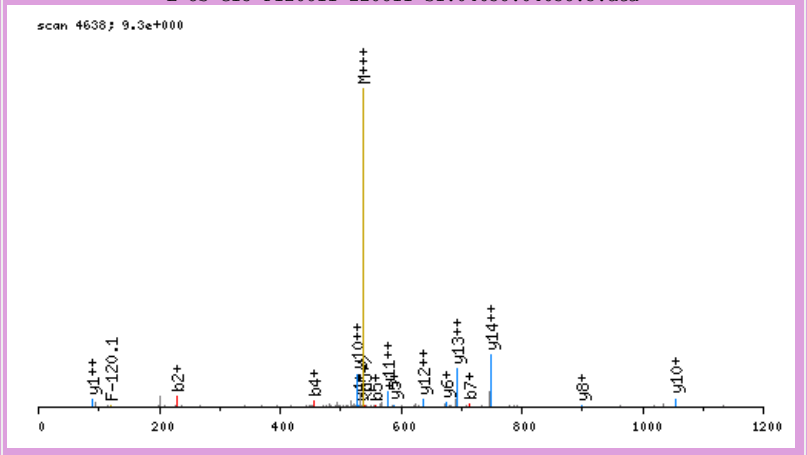


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

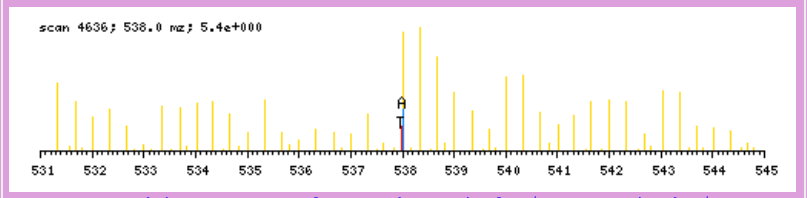
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	1487.7528	**744.3803**
286.1767	3	G	12	1374.6687	**687.8383**
387.2243	4	T	11	1317.6473	659.3275
500.3084	5	L	10	1216.5996	**608.8037**
587.3404	6	S	9	1103.5155	**552.2617**
702.3674	7	D	8	1016.4835	**508.7457**
799.4201	8	P	7	**901.4566**	**451.2322**
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

SIIDTPGILSGAKQR, MH+ 1611.9434, m/z 537.9860
L OS G15 P120811 220811-s1.04638.04638.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

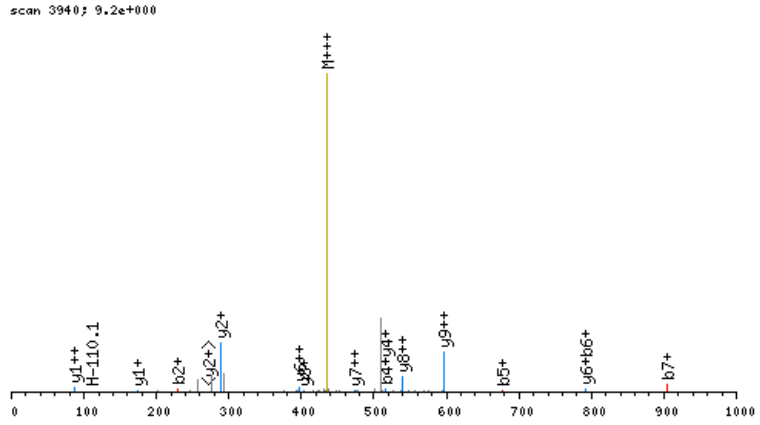
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
229.1552	2	I	14	1496.8801	**748.9440**
342.2393	3	I	13	1383.7960	**692.4019**
457.2662	4	D	12	1270.7120	**635.8599**
558.3139	5	T	11	1155.6850	**578.3464**
655.3666	6	P	10	**1054.6373**	**527.8226**
712.3881	7	G	9	957.5846	479.2962
825.4722	8	I	8	**900.5631**	450.7855
938.5562	9	L	7	787.4790	394.2434
1025.5883	10	S	6	**674.3950**	337.7014
1082.6097	11	G	5	**587.3630**	294.1854
1153.6468	12	A	4	**530.3415**	265.6747
1309.7731	13	K	3	459.3044	230.1561
1437.8317	14	Q	2	303.1781	152.0930
	15	R	1	175.1195	**88.0637**

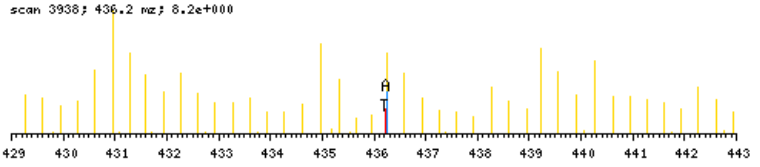
N-term:+29.04 K(13):+156.13

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

SIMKCDIDIR, MH+ 1306.6863, m/z 436.2336
L OS G16 P120811 220811-s1.03940.03940.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



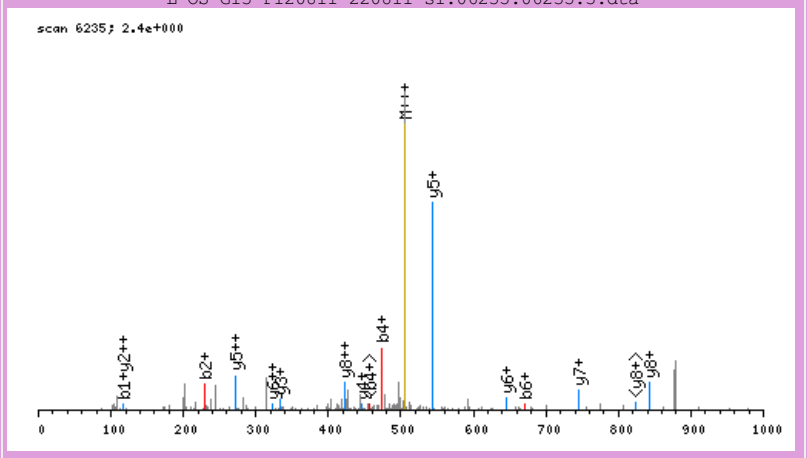
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	10		
229.1552	2	I	9	1191.6230	596.3154
360.1957	3	M	8	1078.5389	539.7734
516.3220	4	K	7	947.4984	474.2531
676.3526	5	C	6	791.3721	396.1900
791.3795	6	D	5	631.3415	316.1747
904.4636	7	I	4	516.3146	258.6612
1019.4905	8	D	3	403.2305	202.1192
1132.5746	9	I	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

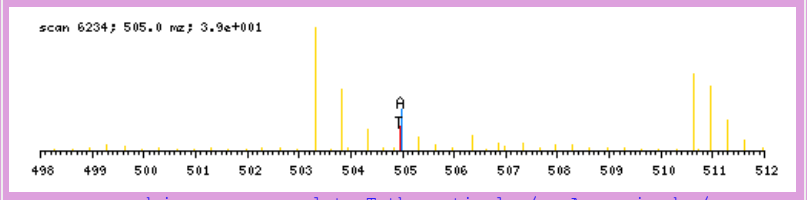
N-term:+29.04 K(4):+156.13
C(5):+160.03

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

SIPFPTPTTPLTGR, MH+ 1512.8426, m/z 504.9524
L OS G13 P120811 220811-s1.06235.06235.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



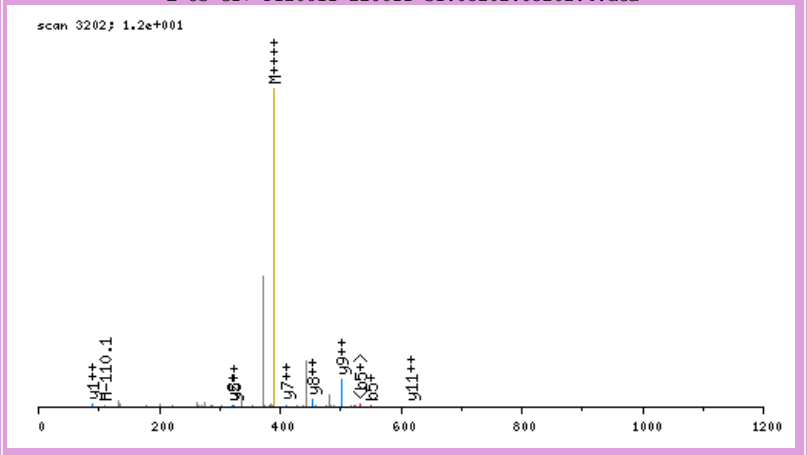
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**14**		
229.1552	**2**	**I**	**13**	1397.7793	699.3936
326.2080	**3**	**P**	**12**	1284.6952	642.8515
473.2764	**4**	**F**	**11**	1187.6424	594.3251
570.3291	**5**	**P**	**10**	1040.5740	520.7909
671.3768	**6**	**T**	**9**	943.5213	472.2645
768.4296	**7**	**P**	**8**	**842.4736**	**421.7407**
869.4773	**8**	**T**	**7**	**745.4208**	373.2143
970.5249	**9**	**T**	**6**	**644.3731**	**322.6905**
1067.5777	**10**	**P**	**5**	**543.3255**	**272.1666**
1180.6618	**11**	**L**	**4**	**446.2727**	223.6403
1281.7094	**12**	**T**	**3**	**333.1886**	167.0982
1338.7309	**13**	**G**	**2**	232.1410	**116.5744**
	14	**R**	**1**	175.1195	88.0637

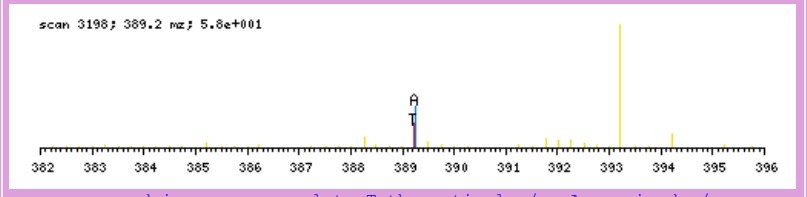
N-term:+29.04

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

SIPSHPSTAGKIFR, MH+ 1553.8804, m/z 389.2256
L OS G17 P120811 220811-s1.03202.03202.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



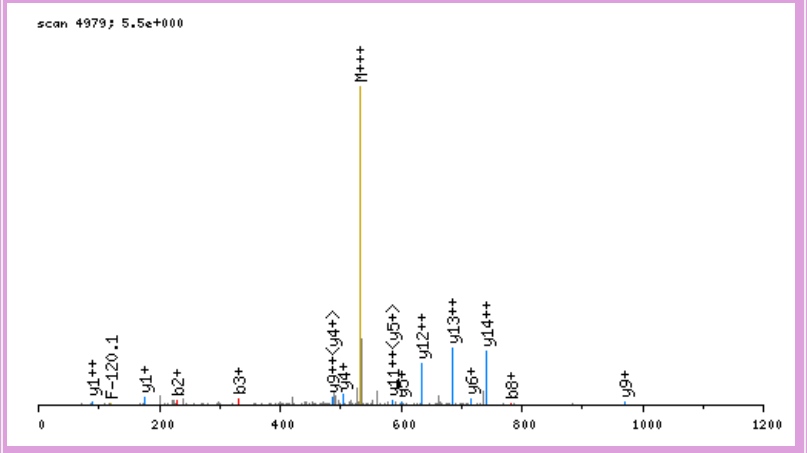
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	1438.8171	719.9125
326.2080	3	P	12	1325.7330	663.3704
413.2400	4	S	11	1228.6803	**614.8440**
550.2989	5	H	10	1141.6482	571.3280
647.3517	6	P	9	1004.5893	**502.7986**
734.3837	7	S	8	907.5366	**454.2722**
835.4314	8	T	7	820.5045	**410.7562**
906.4685	9	A	6	719.4569	360.2323
963.4899	10	G	5	648.4197	**324.7138**
1119.6162	11	K	4	591.3983	296.2031
1232.7003	12	I	3	435.2720	218.1399
1379.7687	13	F	2	**322.1879**	161.5979
	14	R	1	175.1195	**88.0637**

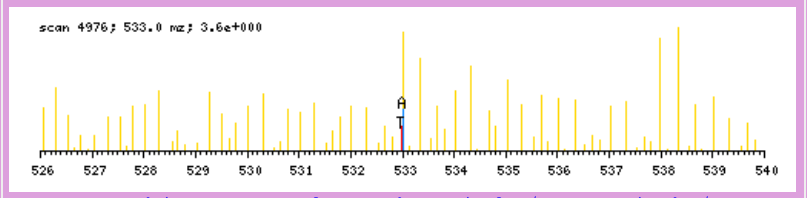
N-term:+29.04 K(11):+156.13

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

SITPAEVGVLVGKDR, MH+ 1596.9325, m/z 532.9823
L OS G15 P120811 220811-s1.04979.04979.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



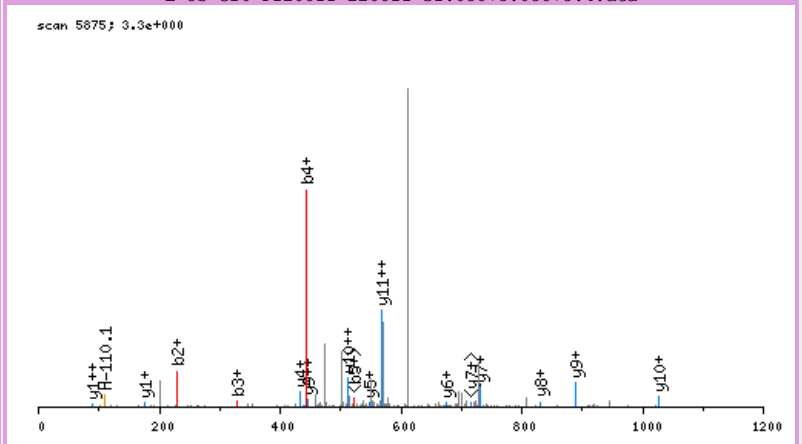
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
229.1552	2	I	14	1481.8692	741.4385
330.2029	3	T	13	1368.7851	684.8965
427.2556	4	P	12	1267.7374	634.3726
498.2927	5	A	11	1170.6847	585.8463
627.3353	6	E	10	1099.6476	550.3277
726.4038	7	V	9	970.6050	485.8064
783.4252	8	G	8	871.5366	436.2722
882.4936	9	V	7	814.5151	407.7615
995.5777	10	L	6	715.4467	358.2273
1094.6461	11	V	5	602.3626	301.6852
1151.6676	12	G	4	503.2942	252.1510
1307.7939	13	K	3	446.2727	223.6403
1422.8208	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

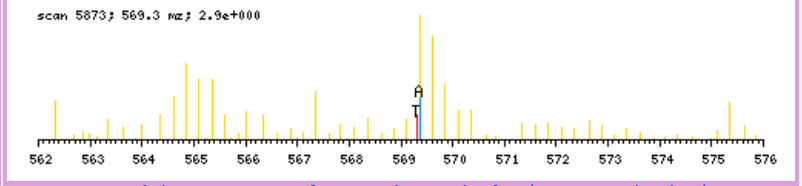
N-term:+29.04 K(13):+156.13

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

SIVDPKVIVEIHGVGQDVASR, MH+ 2274.2822, m/z 569.3260
L OS G16 P120811 220811-s1.05875.05875.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



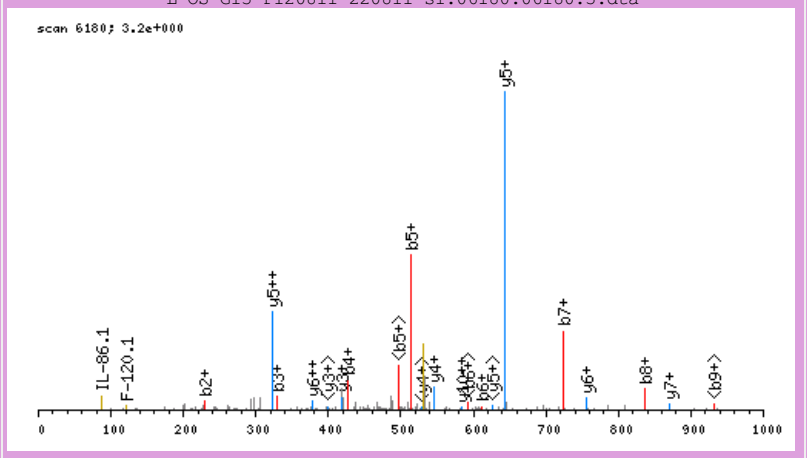
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
229.1552	2	I	20	2159.2189	1080.1133
328.2236	3	V	19	2046.1348	1023.5713
443.2505	4	D	18	1947.0664	974.0371
540.3033	5	P	17	1832.0394	916.5236
696.4296	6	K	16	1734.9867	867.9973
795.4980	7	V	15	1578.8604	789.9341
908.5821	8	I	14	1479.7920	740.3999
1007.6505	9	V	13	1366.7079	683.8579
1136.6931	10	E	12	1267.6395	634.3237
1249.7772	11	I	11	1138.5969	**569.8024**
1386.8361	12	H	10	**1025.5128**	**513.2603**
1443.8575	13	G	9	**888.4539**	**444.7309**
1542.9260	14	V	8	**831.4325**	416.2201
1599.9474	15	G	7	**732.3640**	366.6859
1728.0060	16	Q	6	**675.3426**	338.1752
1843.0329	17	D	5	**547.2840**	274.1459
1942.1014	18	V	4	**432.2571**	216.6324
2013.1385	19	A	3	333.1886	167.0982
2100.1705	20	S	2	262.1515	131.5797
	21	R	1	**175.1195**	**88.0637**

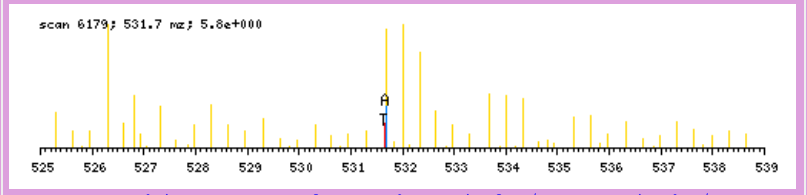
N-term:+29.04 K(6):+156.13

SIVVSPILIPENQR, MH+ 1592.9375, m/z 531.6507
L OS G13 P120811 220811-s1.06180.06180.3.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±]



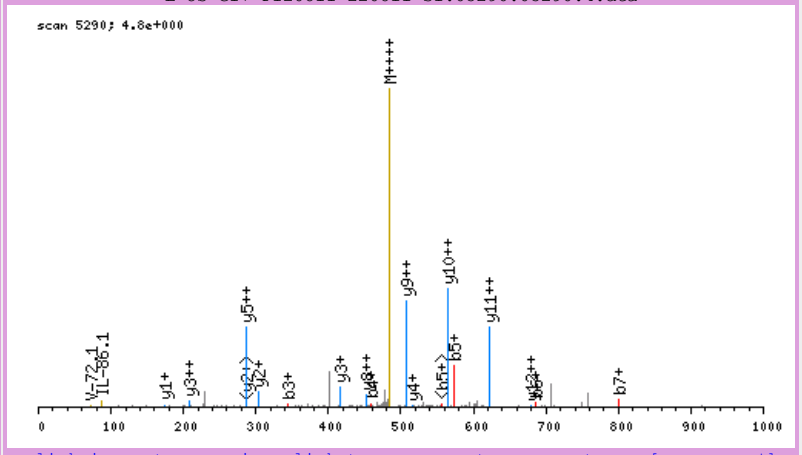
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
229.1552	2	I	13	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

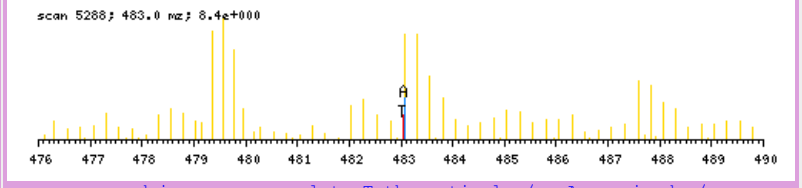
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

SKADDLDLLKSSGVIQR, MH+ 1929.1021, m/z 483.0310
L OS G17 P120811 220811-s1.05290.05290.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



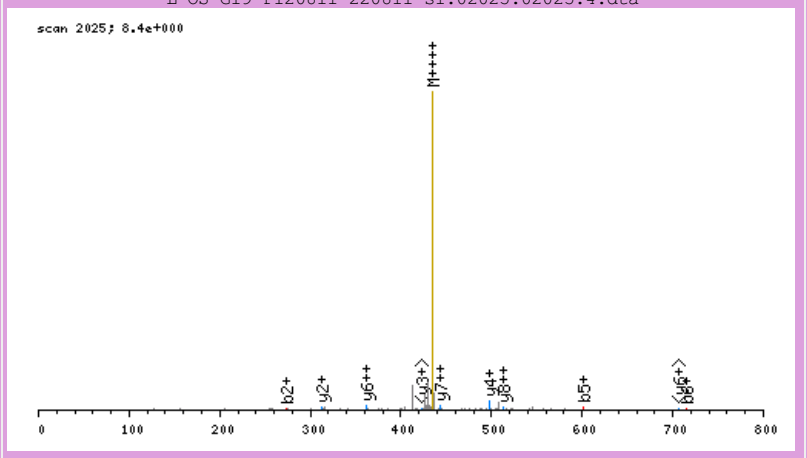
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

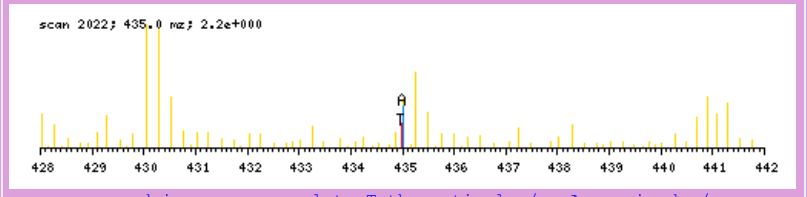
N-term:+29.04 K(2):+156.13
K(10):+156.13

SKAEELHYPQGEHR, MH+ 1736.8720, m/z 434.9735
L OS G19 P120811 220811-s1.02025.02025.4.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±]



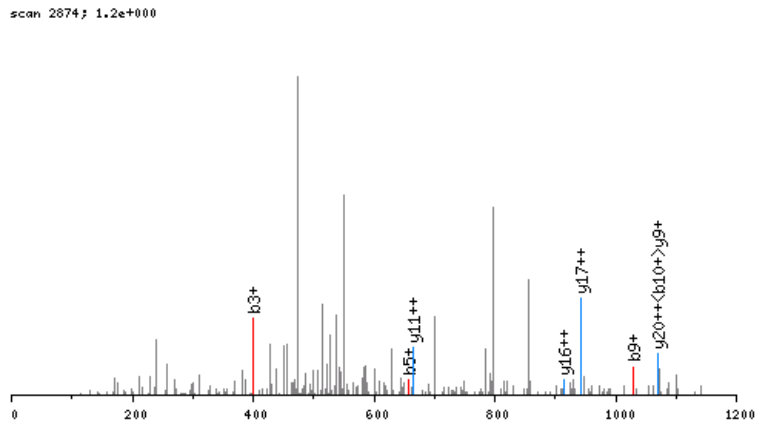
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
272.1974	2	K	13	1621.8087	811.4083
343.2345	3	A	12	1465.6824	733.3451
472.2771	4	E	11	1394.6453	697.8266
601.3197	5	E	10	1265.6027	633.3053
714.4038	6	L	9	1136.5601	568.7840
851.4627	7	H	8	1023.4761	**512.2419**
1014.5260	8	Y	7	886.4171	**443.7125**
1111.5788	9	P	6	723.3538	**362.1808**
1239.6374	10	Q	5	626.3010	313.6544
1296.6588	11	G	4	**498.2425**	249.6251
1425.7014	12	E	3	441.2210	221.1144
1562.7603	13	H	2	**312.1784**	156.5931
	14	R	1	175.1195	88.0637

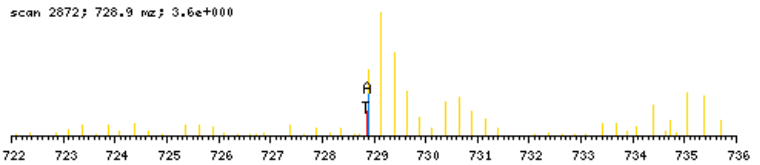
N-term:+29.04 K(2):+156.13

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

SKDQEDAMGGAVQAEQEAEQHSVIMR, MH+ 2912.4155, m/z 728.8593
H OS G12 P120811 220811-s1.02874.02874.4.dta



click image to zoom in; click top corners to zoom out [precursor]



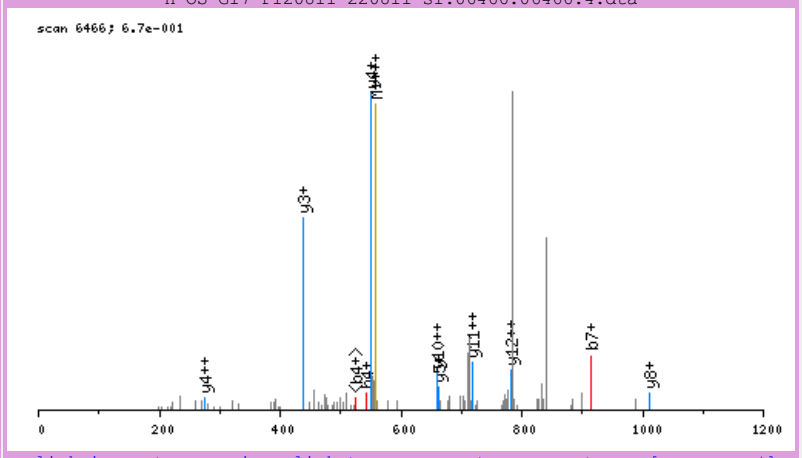
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	26		
284.2610	2	K	25	2791.3204	1396.1641
399.2880	3	D	24	2629.1623	1315.0850
527.3465	4	Q	23	2514.1353	1257.5716
656.3891	5	E	22	2386.0767	1193.5423
771.4161	6	D	21	2257.0341	1129.0210
842.4532	7	A	20	2142.0072	**1071.5075**
973.4937	8	M	19	2070.9701	1035.9890
1030.5151	9	G	18	1939.9296	970.4687
1087.5366	10	G	17	1882.9081	**941.9580**
1158.5737	11	A	16	1825.8867	**913.4472**
1257.6421	12	V	15	1754.8496	877.9287
1385.7007	13	Q	14	1655.7811	828.3945
1456.7378	14	A	13	1527.7226	764.3652
1585.7804	15	E	12	1456.6855	728.8466
1713.8390	16	Q	11	1327.6429	**664.3253**
1842.8816	17	E	10	1199.5843	600.2961
1913.9187	18	A	9	**1070.5417**	535.7748
2042.9613	19	E	8	999.5046	500.2562
2171.0199	20	Q	7	870.4620	435.7349
2308.0788	21	H	6	742.4034	371.7056
2395.1108	22	S	5	605.3445	303.1762
2494.1792	23	V	4	518.3125	259.6601
2607.2633	24	I	3	419.2440	210.1259
2738.3038	25	M	2	306.1600	153.5839
	26	R	1	175.1195	88.0637

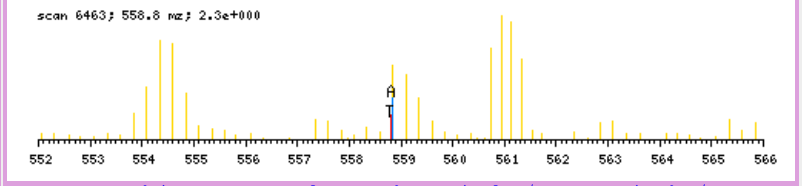
N-term:+35.07 K(2):+162.16

SKEQQEDFKEAFLLFDR, MH+ 2232.2401, m/z 558.8155
H OS G17 P120811 220811-s1.06466.06466.4.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±]



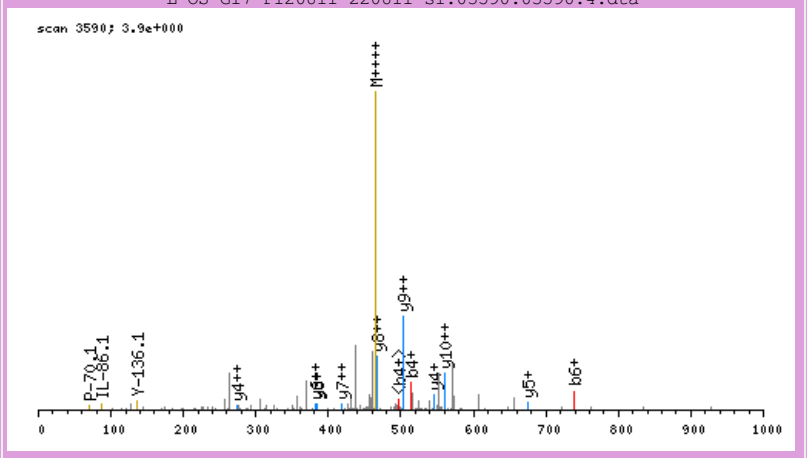
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
284.2610	2	K	16	2111.1450	1056.0764
413.3036	3	E	15	1948.9869	974.9974
541.3622	4	Q	14	1819.9443	910.4761
669.4208	5	Q	13	1691.8857	846.4468
798.4634	6	E	12	1563.8272	**782.4175**
913.4903	7	D	11	1434.7846	**717.8962**
1060.5587	8	F	10	1319.7576	**660.3827**
1222.7168	9	K	9	1172.6892	586.8485
1351.7594	10	E	8	**1010.5311**	505.7695
1422.7965	11	A	7	881.4885	441.2482
1569.8649	12	F	6	810.4514	405.7296
1682.9490	13	L	5	**663.3830**	332.1954
1796.0331	14	L	4	**550.2989**	**275.6534**
1943.1015	15	F	3	**437.2149**	219.1113
2058.1284	16	D	2	290.1464	145.5771
	17	R	1	175.1195	88.0637

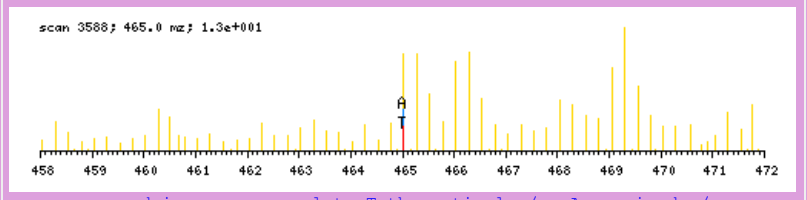
N-term:+35.07 K(2):+162.16
K(9):+162.16

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

SKLEPQIATASEYAHR, MH+ 1856.9870, m/z 465.0022
L OS G17 P120811 220811-s1.03590.03590.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



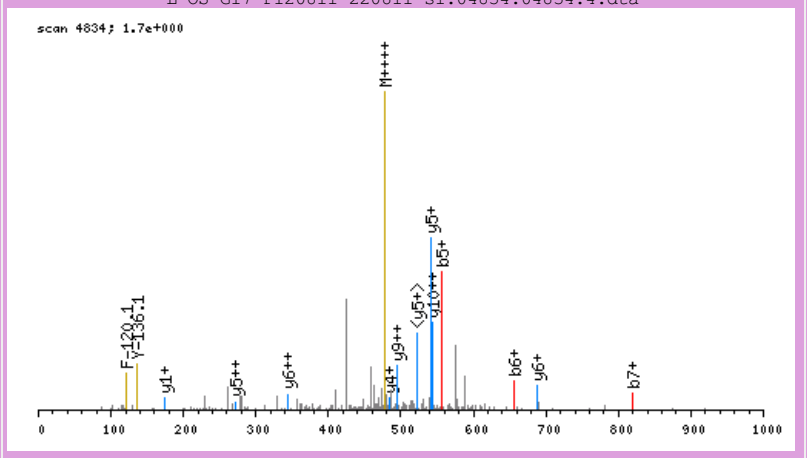
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
272.1974	2	K	15	1741.9237	871.4658
385.2815	3	L	14	1585.7974	793.4026
514.3241	4	E	13	1472.7134	736.8606
611.3768	5	P	12	1343.6708	672.3393
739.4354	6	Q	11	1246.6180	623.8129
852.5195	7	I	10	1118.5594	**559.7836**
923.5566	8	A	9	1005.4754	**503.2416**
1024.6043	9	T	8	934.4383	**467.7230**
1095.6414	10	A	7	833.3906	**417.1992**
1182.6734	11	S	6	762.3535	**381.6807**
1311.7160	12	E	5	**675.3214**	338.1646
1474.7793	13	Y	4	**546.2789**	**273.6433**
1545.8165	14	A	3	**383.2155**	192.1117
1682.8754	15	H	2	312.1784	156.5931
	16	R	1	175.1195	88.0637

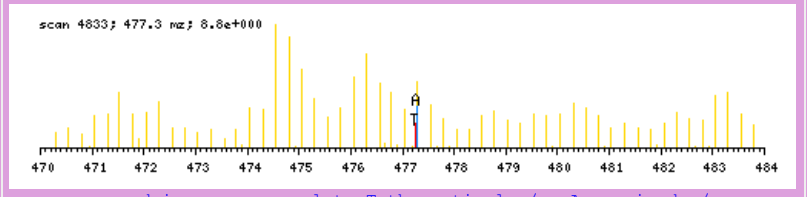
N-term:+29.04 K(2):+156.13

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

SKLGDVYVNDAFGTAHR, MH+ 1905.9823, m/z 477.2510
L OS G17 P120811 220811-s1.04834.04834.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



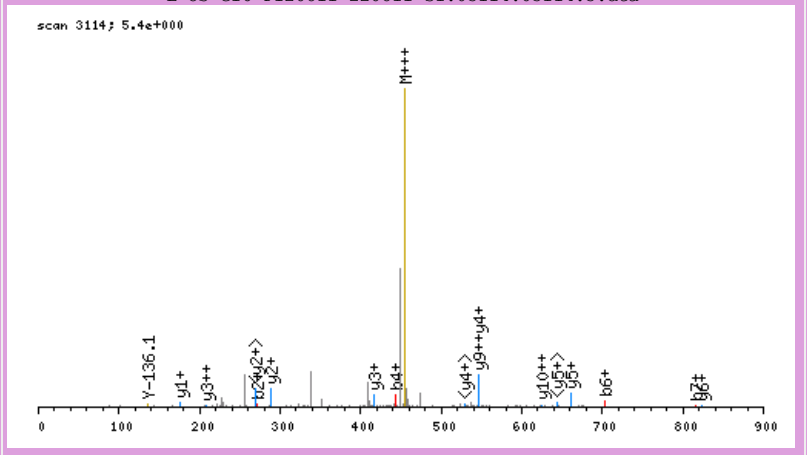
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
272.1974	2	K	16	1790.9190	895.9634
385.2815	3	L	15	1634.7927	817.9003
442.3030	4	G	14	1521.7086	761.3582
557.3299	5	D	13	1464.6872	732.8475
656.3983	6	V	12	1349.6602	675.3340
819.4616	7	Y	11	1250.5918	625.7998
918.5301	8	V	10	1087.5285	**544.2682**
1032.5730	9	N	9	988.4601	**494.7339**
1147.5999	10	D	8	874.4171	437.7125
1218.6370	11	A	7	759.3902	380.1990
1365.7055	12	F	6	**688.3531**	**344.6805**
1422.7269	13	G	5	**541.2847**	**271.1462**
1523.7746	14	T	4	**484.2632**	242.6355
1594.8117	15	A	3	383.2155	192.1117
1731.8706	16	H	2	312.1784	156.5931
	17	R	1	**175.1195**	88.0637

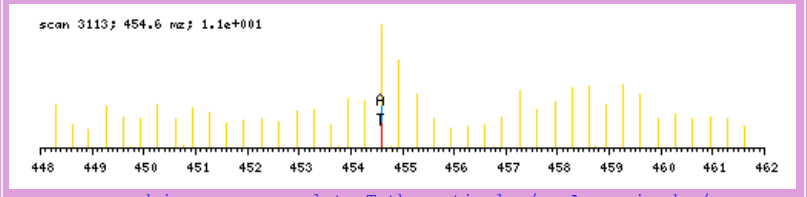
N-term:+29.04 K(2):+156.13

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

SKLGPYNEELR, MH+ 1361.7429, m/z 454.5858
L OS G16 P120811 220811-s1.03114.03114.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



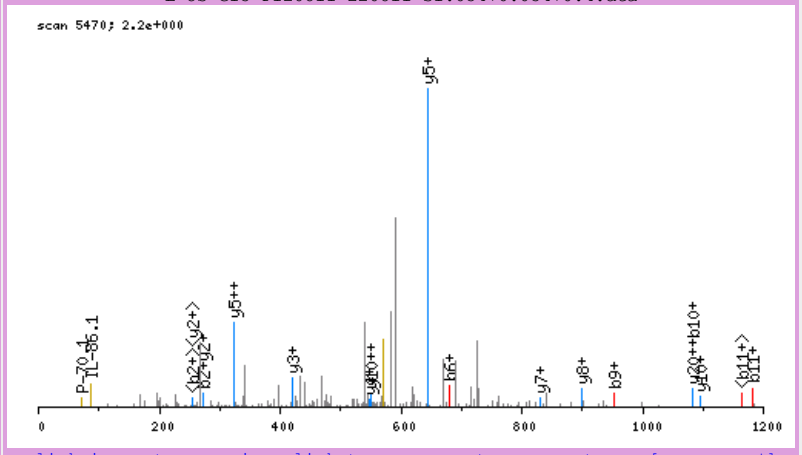
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
272.1974	2	K	10	1246.6796	**623.8437**
385.2815	3	L	9	1090.5533	**545.7806**
442.3030	4	G	8	977.4692	489.2385
539.3557	5	P	7	920.4478	460.7278
702.4190	6	Y	6	**823.3950**	412.2014
816.4620	7	N	5	**660.3317**	330.6698
945.5046	8	E	4	**546.2888**	273.6483
1074.5472	9	E	3	**417.2462**	**209.1270**
1187.6312	10	L	2	**288.2036**	144.6057
	11	R	1	**175.1195**	88.0637

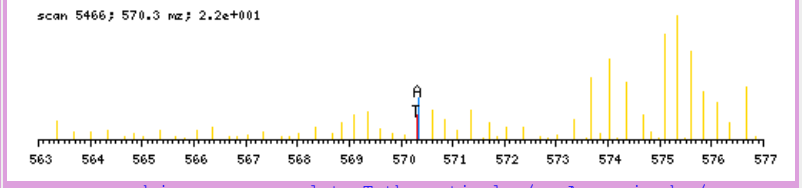
N-term:+29.04 K(2):+156.13

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

SKPSPQLSAETPVAALPEFPR, MH+ 2278.2447, m/z 570.3166
L OS G15 P120811 220811-s1.05470.05470.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

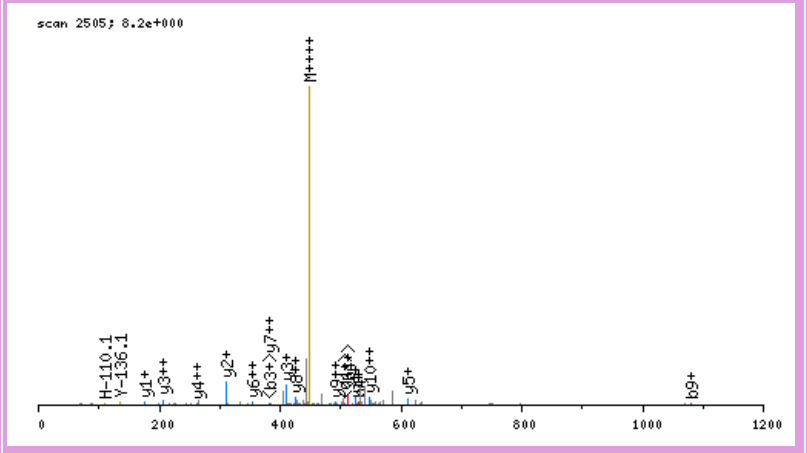


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

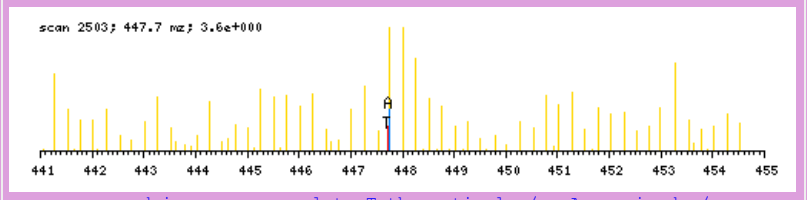
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
272.1974	2	K	20	2163.1814	**1082.0946**
369.2502	3	P	19	2007.0551	1004.0315
456.2822	4	S	18	1910.0024	955.5051
553.3350	5	P	17	1822.9703	911.9891
681.3936	6	Q	16	1725.9176	863.4627
794.4776	7	L	15	1597.8590	799.4334
881.5097	8	S	14	1484.7749	742.8914
952.5468	9	A	13	1397.7429	699.3754
1081.5894	10	E	12	1326.7058	663.8568
1182.6370	11	T	11	1197.6632	599.3355
1279.6898	12	P	10	**1096.6155**	**548.8117**
1378.7582	13	V	9	999.5627	500.2853
1449.7953	14	A	8	**900.4943**	450.7511
1520.8324	15	A	7	**829.4572**	415.2325
1633.9165	16	L	6	758.4201	379.7140
1730.9693	17	P	5	**645.3360**	**323.1719**
1860.0119	18	E	4	**548.2833**	274.6455
2007.0803	19	F	3	**419.2407**	210.1243
2104.1330	20	P	2	**272.1723**	136.5900
	21	R	1	175.1195	88.0637

N-term:+29.04 K(2):+156.13

SKQEYDESGPSIVHR, MH+ 1787.8928, m/z 447.7287
L OS G17 P120811 220811-s1.02505.02505.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

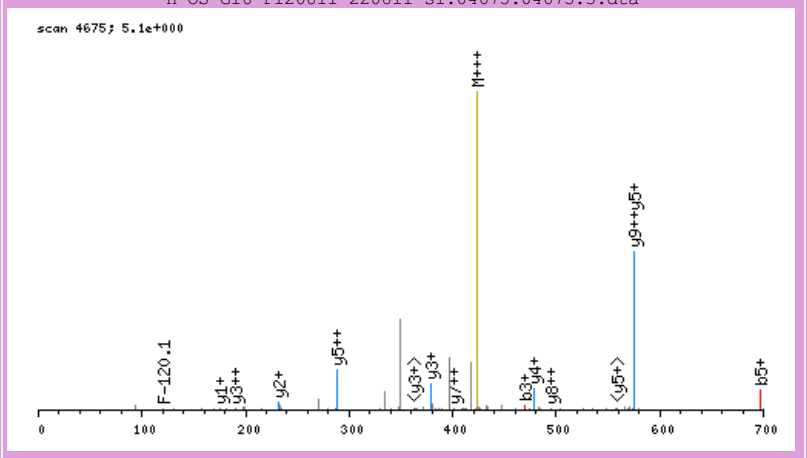
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
272.1974	2	K	14	1672.8295	836.9187
400.2560	3	Q	13	1516.7032	758.8555
529.2986	4	E	12	1388.6446	694.8262
692.3619	5	Y	11	1259.6020	630.3049
807.3889	6	D	10	1096.5387	**548.7733**
936.4315	7	E	9	981.5118	**491.2598**
1023.4635	8	S	8	852.4692	**426.7385**
1080.4850	9	G	7	765.4371	**383.2225**
1177.5377	10	P	6	708.4157	**354.7118**
1264.5697	11	S	5	**611.3629**	306.1854
1377.6538	12	I	4	**524.3309**	**262.6694**
1476.7222	13	V	3	**411.2468**	**206.1273**
1613.7811	14	H	2	**312.1784**	156.5931
	15	R	1	**175.1195**	88.0637

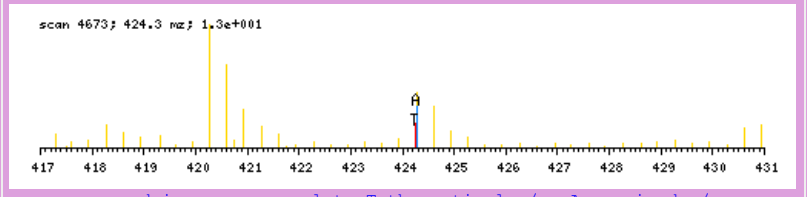
N-term:+29.04 K(2):+156.13

SKWPEPVFGR, MH+ 1270.7584, m/z 424.2577
H OS G16 P120811 220811-s1.04675.04675.3.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±]



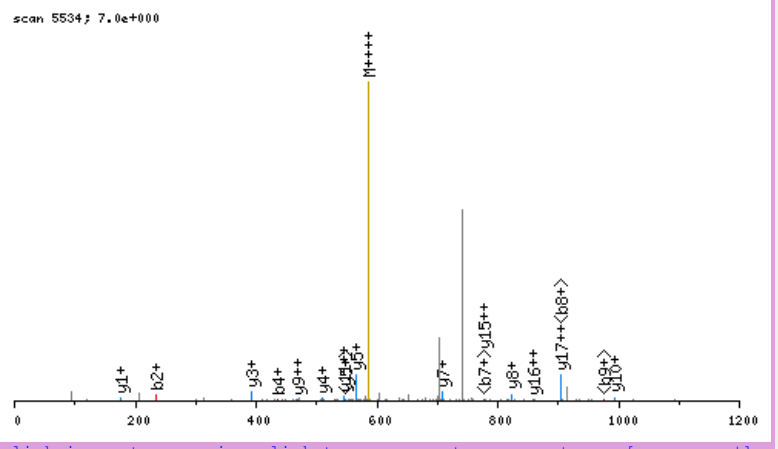
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	10		
284.2610	2	K	9	1149.6633	**575.3356**
470.3403	3	W	8	987.5052	**494.2565**
567.3931	4	P	7	801.4259	**401.2169**
696.4357	5	E	6	704.3731	352.6905
793.4885	6	P	5	**575.3306**	**288.1692**
892.5569	7	V	4	**478.2778**	239.6428
1039.6253	8	F	3	**379.2094**	**190.1086**
1096.6468	9	G	2	**232.1410**	116.5744
	10	R	1	**175.1195**	88.0637

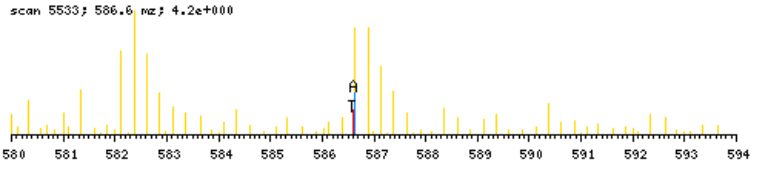
N-term:+35.07 K(2):+162.16

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

SLAEVPKEAPKVGILGSGDFAR, MH+ 2343.4137, m/z 586.6089
H OS G16 P120811 220811-s1.05534.05534.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



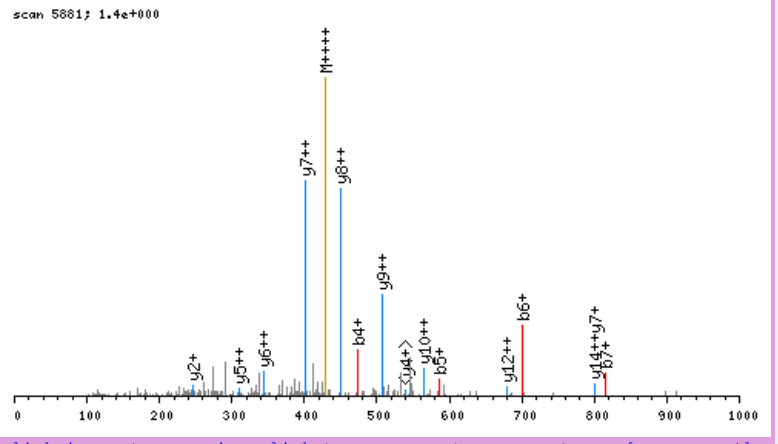
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	22		
235.1870	2	L	21	2222.3186	1111.6632
306.2241	3	A	20	2109.2345	1055.1212
435.2667	4	E	19	2038.1974	1019.6026
534.3351	5	V	18	1909.1548	955.0813
631.3879	6	P	17	1810.0864	**905.5471**
793.5460	7	K	16	1713.0336	**857.0207**
922.5886	8	E	15	1550.8755	**775.9417**
993.6257	9	A	14	1421.8329	711.4204
1090.6784	10	P	13	1350.7958	675.9018
1252.8365	11	K	12	1253.7430	627.3754
1351.9050	12	V	11	1091.5849	**546.2964**
1408.9264	13	G	10	**992.5165**	496.7622
1522.0105	14	I	9	935.4951	**468.2514**
1635.0946	15	L	8	**822.4110**	411.7094
1692.1160	16	G	7	**709.3269**	355.1674
1779.1480	17	S	6	652.3055	326.6566
1836.1695	18	G	5	**565.2734**	283.1406
1951.1965	19	D	4	**508.2520**	254.6299
2098.2649	20	F	3	**393.2250**	197.1164
2169.3020	21	A	2	246.1566	123.5822
	22	R	1	**175.1195**	88.0637

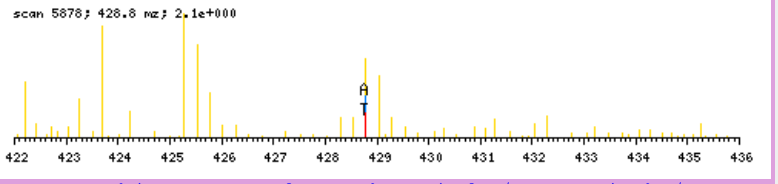
N-term:+35.07 K(7):+162.16
K(11):+162.16

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

SLEDLDLVIAGKKAR, MH+ 1712.0322, m/z 428.7635
L OS G17 P120811 220811-s1.05881.05881.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



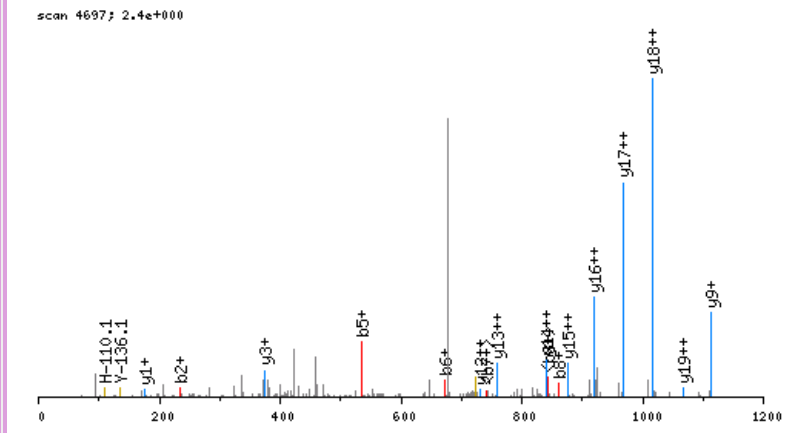
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
229.1552	2	L	14	1596.9689	**798.9884**
358.1978	3	E	13	1483.8849	742.4464
473.2247	4	D	12	1354.8423	**677.9251**
586.3088	5	L	11	1239.8153	620.4116
701.3357	6	D	10	1126.7313	**563.8696**
814.4198	7	L	9	1011.7043	**506.3561**
913.4882	8	V	8	898.6203	**449.8140**
1026.5723	9	I	7	**799.5519**	**400.2798**
1097.6094	10	A	6	686.4678	**343.7378**
1154.6309	11	G	5	615.4307	**308.2193**
1310.7572	12	K	4	558.4092	279.7085
1466.8835	13	K	3	402.2829	201.6454
1537.9206	14	A	2	**246.1566**	123.5822
	15	R	1	175.1195	88.0637

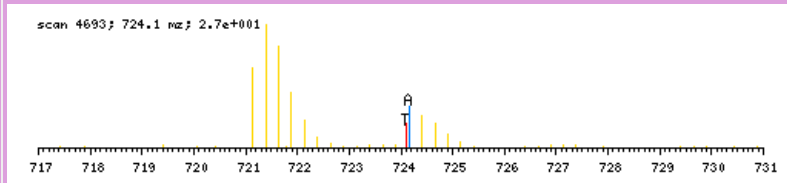
N-term:+29.04 K(12):+156.13
K(13):+156.13

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

SLEGDHSTPPSAYGSVKPYTNFDAER, MH+ 2893.4281, m/z 724.1125
H OS G16 P120811 220811-s1.04697.04697.4.dta



click image to zoom in; click top corners to zoom out [precursor]



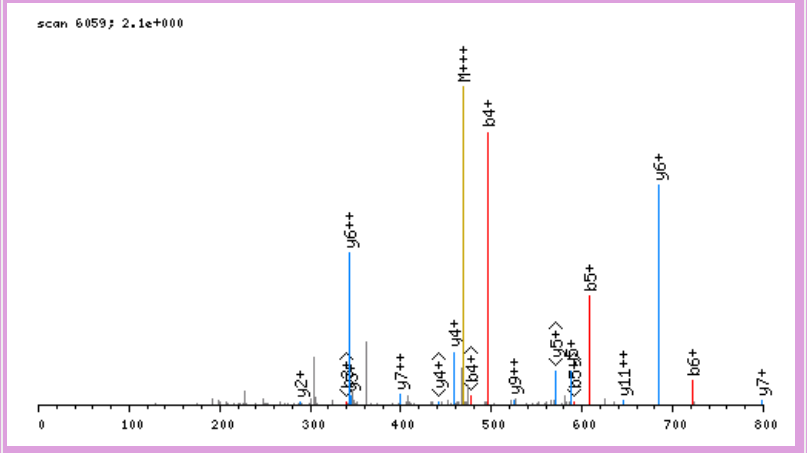
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	26		
235.1870	2	L	25	2772.3330	1386.6704
364.2296	3	E	24	2659.2489	1330.1284
421.2510	4	G	23	2530.2063	1265.6071
536.2780	5	D	22	2473.1848	1237.0963
673.3369	6	H	21	2358.1579	1179.5829
760.3689	7	S	20	2221.0990	1111.0534
861.4166	8	T	19	2134.0669	1067.5374
958.4694	9	P	18	2033.0193	1017.0135
1055.5221	10	P	17	1935.9665	968.4872
1142.5542	11	S	16	1838.9137	919.9608
1213.5913	12	A	15	1751.8817	876.4448
1376.6546	13	Y	14	1680.8446	840.9262
1433.6761	14	G	13	1517.7813	759.3945
1520.7081	15	S	12	1460.7598	730.8838
1619.7765	16	V	11	1373.7278	687.3678
1781.9346	17	K	10	1274.6594	637.8336
1878.9874	18	P	9	1112.5013	556.7545
2042.0507	19	Y	8	1015.4485	508.2282
2143.0984	20	T	7	852.3852	426.6965
2257.1413	21	N	6	751.3375	376.1727
2404.2097	22	F	5	637.2946	319.1512
2519.2367	23	D	4	490.2262	245.6170
2590.2738	24	A	3	375.1992	188.1035
2719.3164	25	E	2	304.1621	152.5850
	26	R	1	175.1195	88.0637

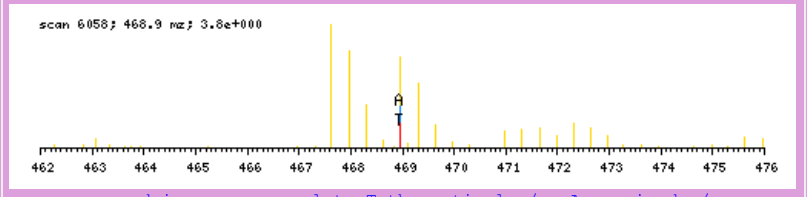
N-term:+35.07 K(17):+162.16

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

SLEHILPELGIR, MH+ 1404.8215, m/z 468.9453
L OS G16 P120811 220811-s1.06059.06059.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



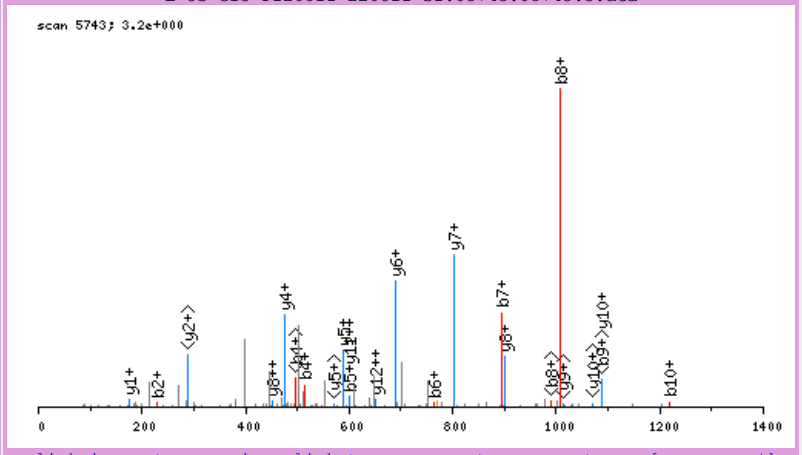
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
229.1552	2	L	11	1289.7581	**645.3830**
358.1978	3	E	10	1176.6741	588.8410
495.2567	4	H	9	1047.6315	**524.3197**
608.3408	5	I	8	910.5726	455.7902
721.4248	6	L	7	**797.4885**	**399.2482**
818.4776	7	P	6	**684.4044**	**342.7061**
947.5202	8	E	5	**587.3517**	294.1798
1060.6042	9	L	4	**458.3091**	229.6585
1117.6257	10	G	3	**345.2250**	173.1164
1230.7098	11	I	2	**288.2036**	144.6057
	12	R	1	175.1195	88.0637

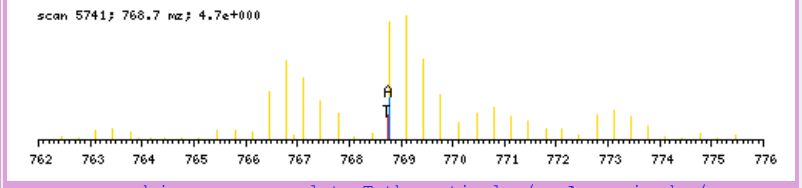
N-term:+29.04

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

SLEKSYELPDGQVITIGNER, MH+ 2304.2087, m/z 768.7411
L OS G15 P120811 220811-s1.05743.05743.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



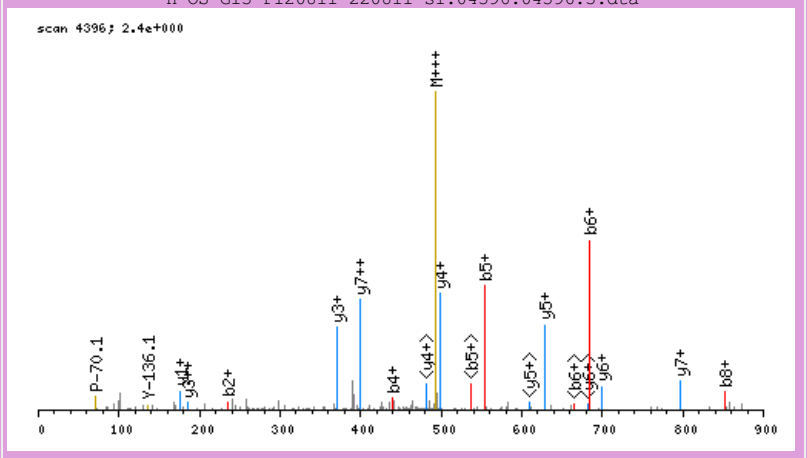
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
229.1552	2	L	19	2189.1454	1095.0766
358.1978	3	E	18	2076.0614	1038.5346
514.3241	4	K	17	1947.0188	974.0133
601.3561	5	S	16	1790.8925	895.9501
764.4194	6	Y	15	1703.8604	852.4341
893.4620	7	E	14	1540.7971	770.9025
1006.5461	8	L	13	1411.7545	706.3812
1103.5989	9	P	12	1298.6705	**649.8391**
1218.6258	10	D	11	1201.6177	**601.3128**
1275.6473	11	G	10	**1086.5907**	543.7993
1403.7058	12	Q	9	1029.5693	515.2886
1502.7743	13	V	8	**901.5107**	**451.2593**
1615.8583	14	I	7	**802.4423**	401.7251
1716.9060	15	T	6	**689.3582**	345.1830
1829.9901	16	I	5	**588.3105**	294.6592
1887.0115	17	G	4	**475.2265**	238.1172
2001.0545	18	N	3	418.2050	209.6064
2130.0971	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

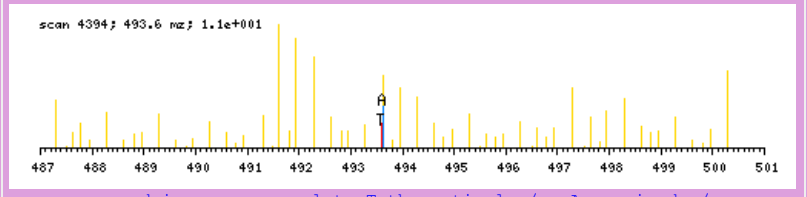
N-term:+29.04 K(4):+156.13

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

SLGFDEPAEQPVR, MH+ 1478.7703, m/z 493.5950
H OS G13 P120811 220811-s1.04396.04396.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



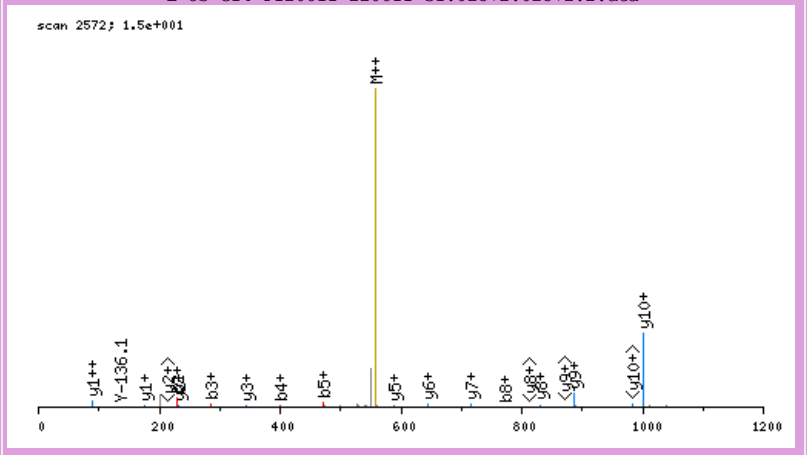
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
235.1870	2	L	12	1357.6752	679.3415
292.2085	3	G	11	1244.5911	622.7995
439.2769	4	F	10	1187.5697	594.2888
554.3038	5	D	9	1040.5013	520.7545
683.3464	6	E	8	925.4743	463.2411
780.3992	7	P	7	**796.4317**	**398.7198**
851.4363	8	A	6	**699.3790**	350.1934
980.4789	9	E	5	**628.3418**	314.6748
1108.5375	10	Q	4	**499.2993**	250.1535
1205.5902	11	P	3	**371.2407**	**186.1243**
1304.6586	12	V	2	274.1879	137.5979
	13	R	1	**175.1195**	88.0637

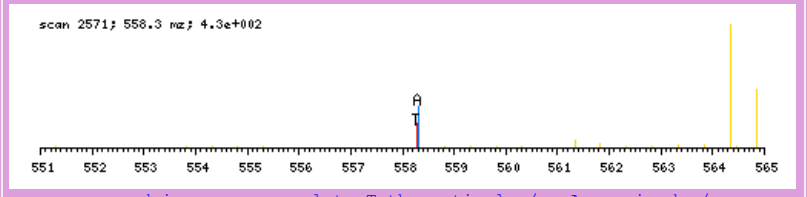
N-term:+35.07

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

SLGNAGNEIGR, MH+ 1115.5809, m/z 558.2941
L OS G14 P120811 220811-s1.02572.02572.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



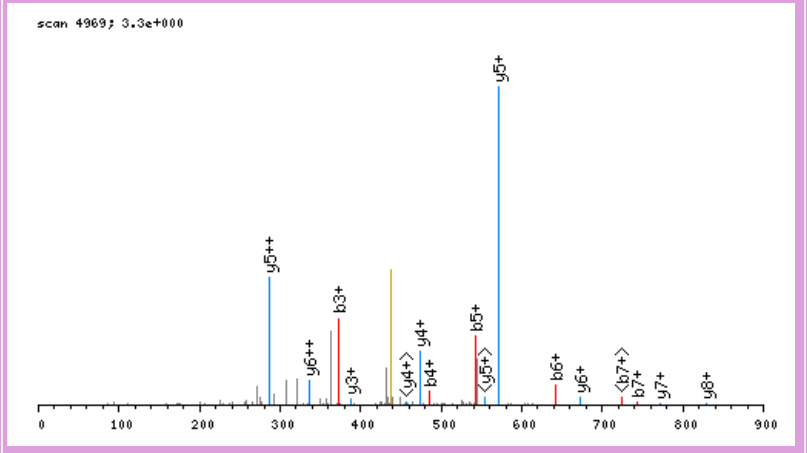
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
229.1552	2	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

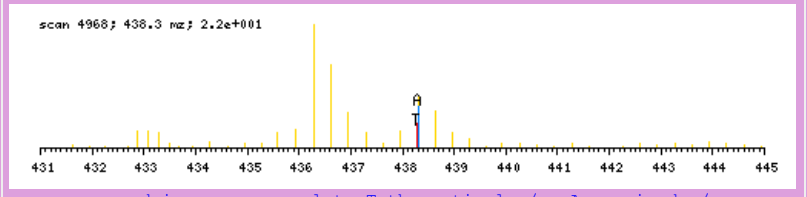
N-term:+29.04

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

SLHLGVTPSVLR, MH+ 1312.8165, m/z 438.2770
H OS G16 P120811 220811-s1.04969.04969.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



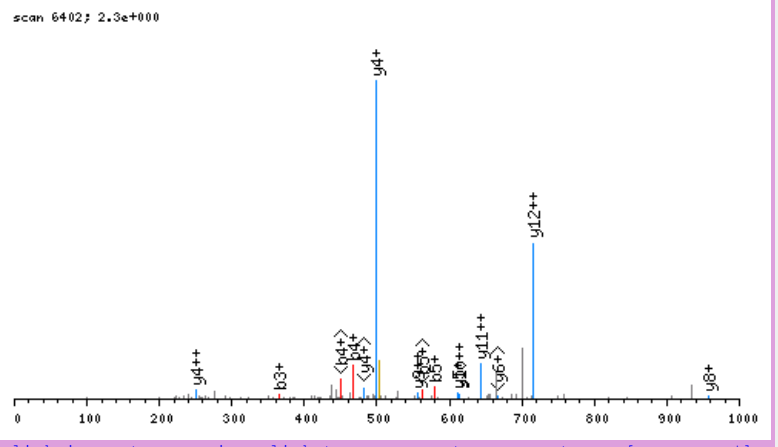
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	12		
235.1870	2	L	11	1191.7214	596.3646
372.2459	3	H	10	1078.6373	539.8226
485.3300	4	L	9	941.5784	471.2931
542.3514	5	G	8	**828.4943**	414.7511
641.4198	6	V	7	**771.4729**	386.2403
742.4675	7	T	6	**672.4044**	**336.7061**
839.5203	8	P	5	**571.3568**	**286.1823**
926.5523	9	S	4	**474.3040**	237.6559
1025.6207	10	V	3	**387.2720**	194.1399
1138.7048	11	L	2	288.2036	144.6057
	12	R	1	175.1195	88.0637

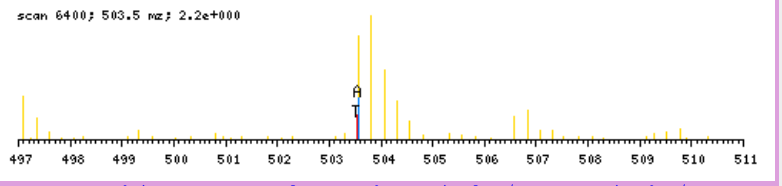
N-term:+35.07

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

SLHTLFGDKLCAIPNLR, MH+ 2011.1162, m/z 503.5345
L OS G17 P120811 220811-s1.06402.06402.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



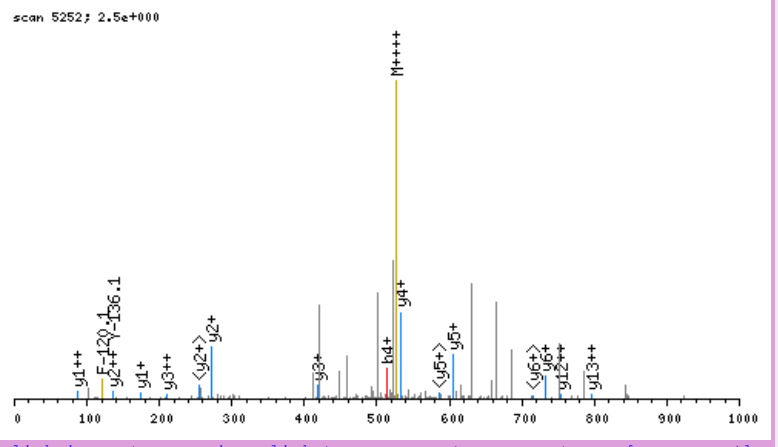
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
229.1552	2	L	16	1896.0529	948.5304
366.2141	3	H	15	1782.9689	891.9883
467.2618	4	T	14	1645.9100	823.4589
580.3458	5	L	13	1544.8623	772.9351
727.4143	6	F	12	1431.7782	**716.3930**
784.4357	7	G	11	1284.7098	**642.8588**
899.4627	8	D	10	1227.6883	**614.3481**
1055.5890	9	K	9	1112.6614	**556.8346**
1168.6730	10	L	8	**956.5351**	478.7715
1328.7036	11	C	7	843.4510	422.2294
1399.7407	12	A	6	683.4204	342.2141
1512.8248	13	I	5	**612.3833**	306.6956
1609.8776	14	P	4	**499.2993**	**250.1535**
1723.9205	15	N	3	402.2465	201.6272
1837.0046	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

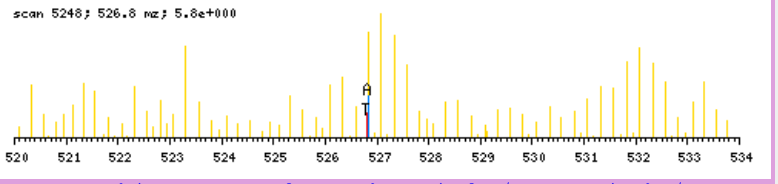
N-term:+29.04 K(9):+156.13
C(11):+160.03

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

SLKESPEKFQIEANFPR, MH+ 2104.1443, m/z 526.7915
L OS G17 P120811 220811-s1.05252.05252.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



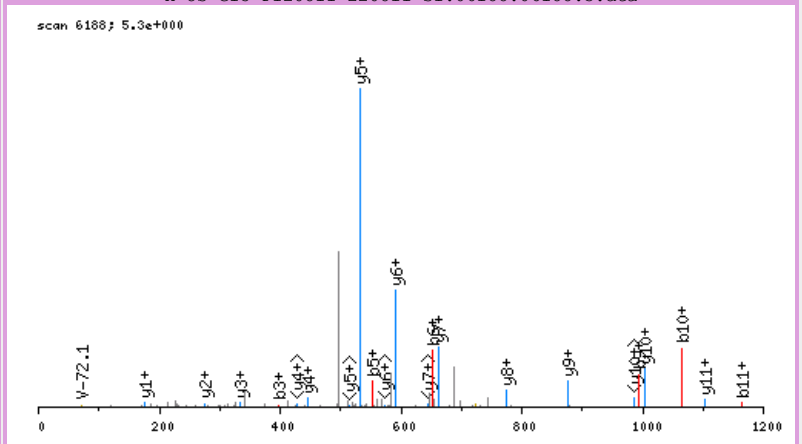
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
229.1552	2	L	16	1989.0810	995.0444
385.2815	3	K	15	1875.9969	938.5024
514.3241	4	E	14	1719.8706	860.4392
601.3561	5	S	13	1590.8281	**795.9179**
698.4089	6	P	12	1503.7960	**752.4019**
827.4515	7	E	11	1406.7433	703.8755
983.5778	8	K	10	1277.7007	639.3542
1130.6462	9	F	9	1121.5744	561.2911
1258.7048	10	Q	8	974.5060	487.7569
1371.7888	11	I	7	846.4474	423.7276
1500.8314	12	E	6	**733.3633**	367.1856
1571.8685	13	A	5	**604.3207**	302.6643
1685.9115	14	N	4	**533.2836**	267.1457
1832.9799	15	F	3	**419.2407**	**210.1243**
1930.0326	16	P	2	**272.1723**	**136.5900**
	17	R	1	**175.1195**	**88.0637**

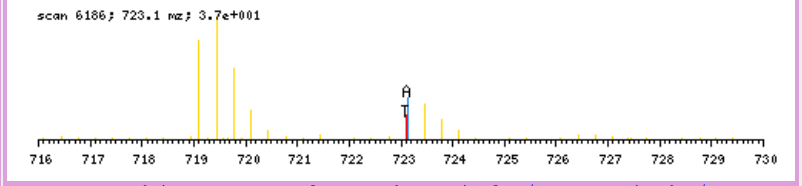
N-term:+29.04 K(3):+156.13
K(8):+156.13

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

SLKGVVPEDAVETLAGSLGTR, MH+ 2167.2610, m/z 723.0919
H OS G15 P120811 220811-s1.06188.06188.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



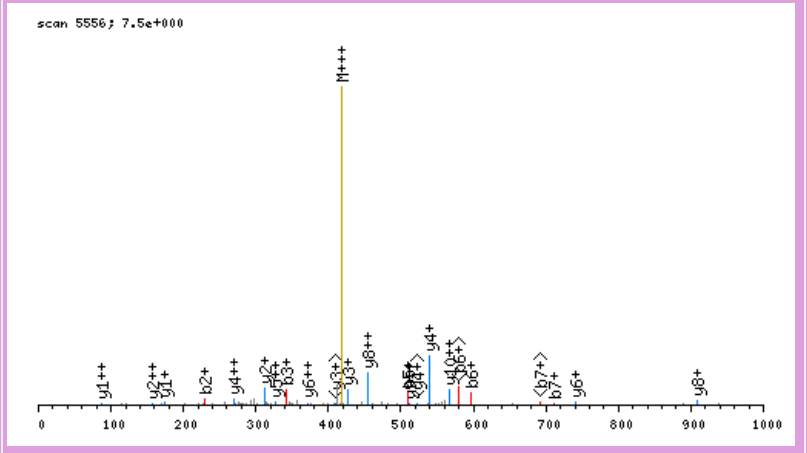
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	21		
235.1870	2	L	20	2046.1659	1023.5869
397.3451	3	K	19	1933.0819	967.0448
454.3666	4	G	18	1770.9238	885.9658
553.4350	5	V	17	1713.9023	857.4551
652.5034	6	V	16	1614.8339	807.9209
749.5561	7	P	15	1515.7655	758.3867
878.5987	8	E	14	1418.7127	709.8603
993.6257	9	D	13	1289.6701	645.3390
1064.6628	10	A	12	1174.6432	587.8255
1163.7312	11	V	11	**1103.6061**	552.3069
1292.7738	12	E	10	**1004.5376**	502.7727
1393.8215	13	T	9	**875.4951**	438.2514
1506.9055	14	L	8	**774.4474**	387.7276
1577.9427	15	A	7	**661.3633**	331.1856
1634.9641	16	G	6	**590.3262**	295.6670
1721.9962	17	S	5	**533.3047**	267.1563
1835.0802	18	L	4	**446.2727**	223.6403
1892.1017	19	G	3	**333.1886**	167.0982
1993.1494	20	T	2	**276.1672**	138.5875
	21	R	1	**175.1195**	88.0637

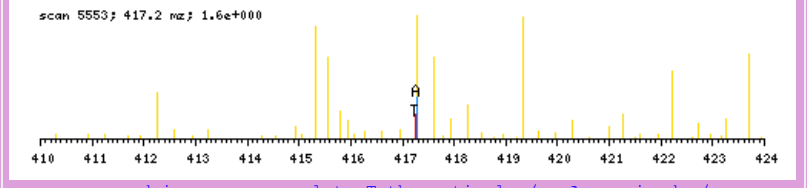
N-term:+35.07 K(3):+162.16

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

SLLPASLLDHR, MH+ 1249.7268, m/z 417.2471
L OS G16 P120811 220811-s1.05556.05556.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



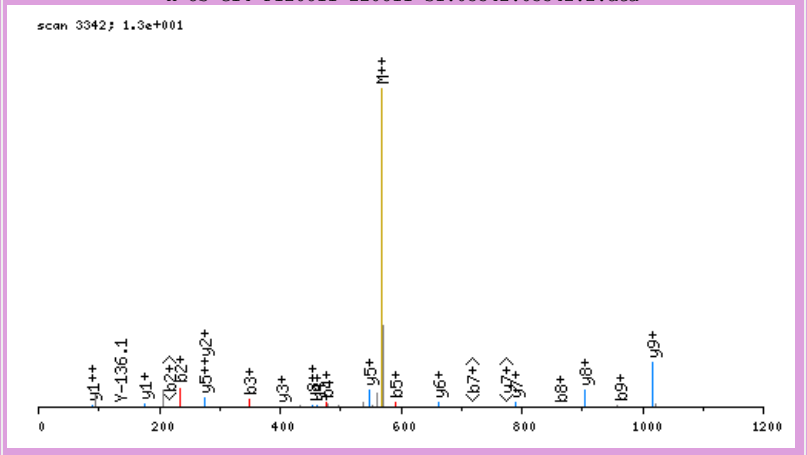
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
229.1552	2	L	10	1134.6635	567.8357
342.2393	3	L	9	1021.5795	511.2936
439.2920	4	P	8	908.4954	454.7516
510.3291	5	A	7	811.4426	406.2252
597.3612	6	S	6	740.4055	370.7067
710.4452	7	L	5	653.3735	327.1907
823.5293	8	L	4	540.2894	270.6486
938.5562	9	D	3	427.2054	214.1066
1075.6151	10	H	2	312.1784	156.5931
	11	R	1	175.1195	88.0637

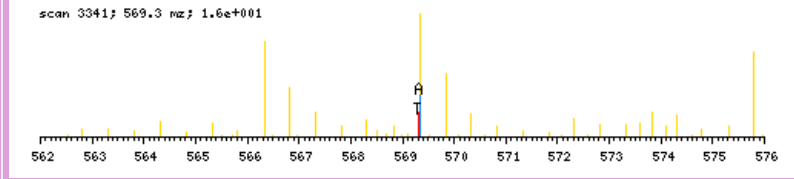
N-term:+29.04

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

SLLQDSGEVR, MH+ 1137.6328, m/z 569.3200
H OS G14 P120811 220811-s1.03342.03342.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



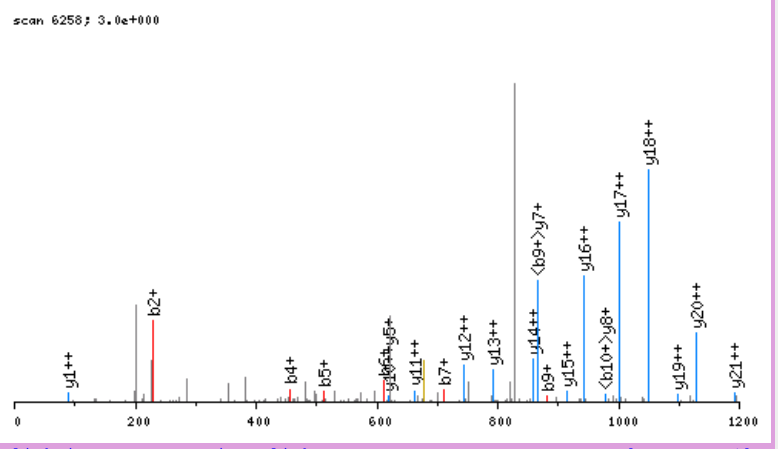
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	10		
235.1870	2	L	9	1016.5376	508.7727
348.2711	3	L	8	903.4536	452.2307
476.3296	4	Q	7	790.3695	395.6887
591.3566	5	D	6	662.3109	331.6594
678.3886	6	S	5	547.2840	274.1459
735.4101	7	G	4	460.2520	230.6299
864.4527	8	E	3	403.2305	202.1192
963.5211	9	V	2	274.1879	137.5979
	10	R	1	175.1195	88.0637

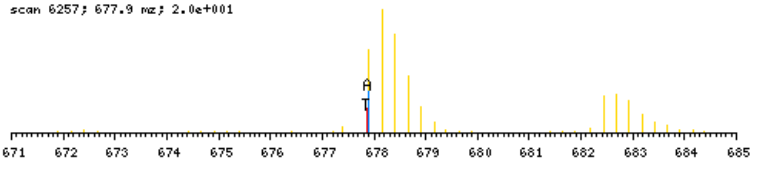
N-term:+35.07

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

SLPEGVVDGIEVYSTKISCKVTSR, MH+ 2708.4544, m/z 677.8691
L OS G16 P120811 220811-s1.06258.06258.4.dta



click image to zoom in; click top corners to zoom out [precursor]



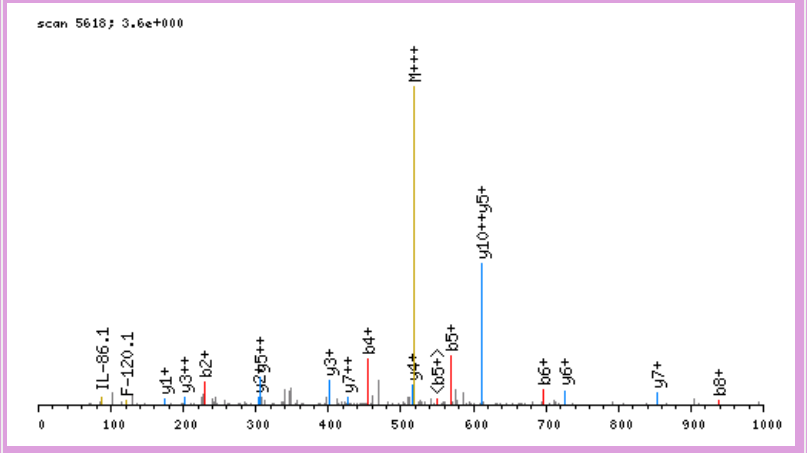
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	24		
229.1552	2	L	23	2593.3911	1297.1995
326.2080	3	P	22	2480.3071	1240.6575
455.2505	4	E	21	2383.2543	**1192.1311**
512.2720	5	G	20	2254.2117	**1127.6098**
611.3404	6	V	19	2197.1903	**1099.0990**
710.4088	7	V	18	2098.1218	**1049.5648**
825.4358	8	D	17	1999.0534	**1000.0306**
882.4572	9	G	16	1884.0265	**942.5172**
995.5413	10	I	15	1827.0050	**914.0064**
1124.5839	11	E	14	1713.9210	**857.4644**
1223.6523	12	V	13	1584.8784	**792.9431**
1386.7156	13	Y	12	1485.8099	**743.4089**
1473.7477	14	S	11	1322.7466	**661.8772**
1574.7954	15	T	10	1235.7146	**618.3612**
1730.9217	16	K	9	1134.6669	567.8374
1844.0057	17	I	8	**978.5406**	489.7742
1931.0377	18	S	7	**865.4566**	433.2322
2091.0683	19	C	6	778.4245	389.7162
2247.1946	20	K	5	**618.3939**	309.7009
2346.2631	21	V	4	462.2676	231.6377
2447.3107	22	T	3	363.1992	182.1035
2534.3428	23	S	2	262.1515	131.5797
	24	R	1	175.1195	**88.0637**

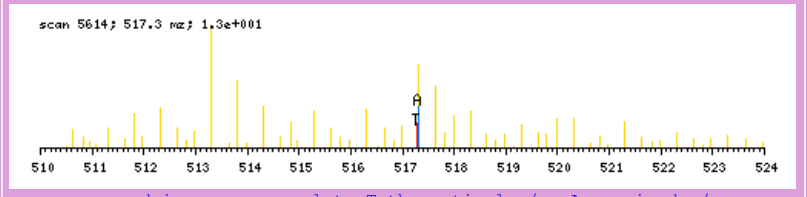
N-term:+29.04 K(16):+156.13
C(19):+160.03 K(20):+156.13

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

SLPELQQNPLVQR, MH+ 1549.8702, m/z 517.2949
L OS G13 P120811 220811-s1.05618.05618.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



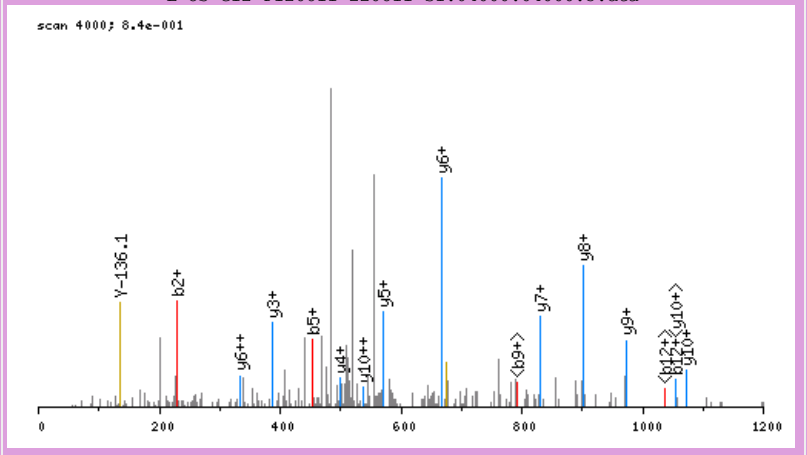
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
229.1552	2	L	12	1434.8069	717.9074
326.2080	3	P	11	1321.7228	661.3653
455.2505	4	E	10	1224.6701	612.8389
568.3346	5	L	9	1095.6275	548.3176
696.3932	6	Q	8	982.5434	491.7756
824.4518	7	Q	7	854.4848	427.7463
938.4947	8	N	6	726.4262	363.7170
1035.5475	9	P	5	612.3833	306.6956
1148.6315	10	L	4	515.3306	258.1692
1247.6999	11	V	3	402.2465	201.6272
1375.7585	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

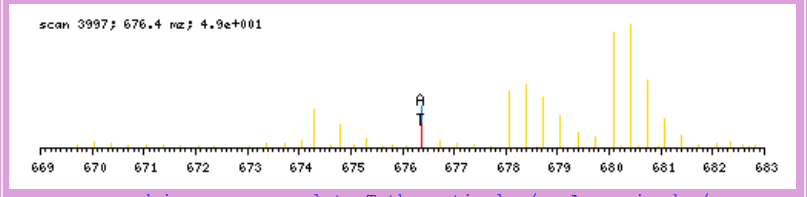
N-term:+29.04

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

SLPGAPTASSGTAAYPALPNR, MH+ 2027.0562, m/z 676.3569
L OS G12 P120811 220811-s1.04000.04000.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



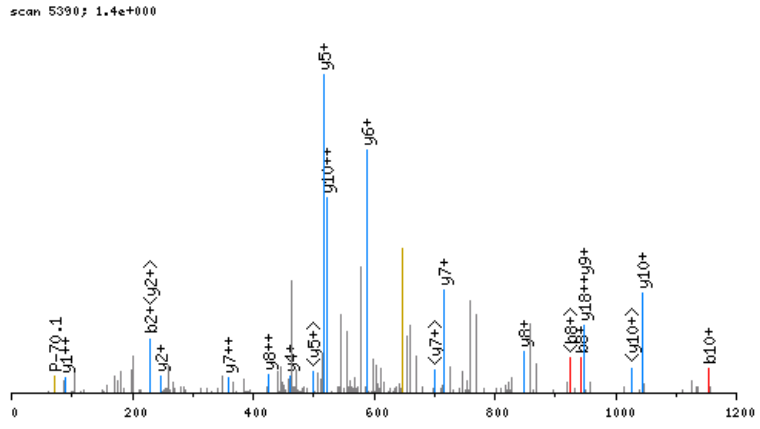
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
229.1552	2	L	20	1911.9929	956.5003
326.2080	3	P	19	1798.9088	899.9583
383.2294	4	G	18	1701.8560	851.4319
454.2665	5	A	17	1644.8346	822.9212
551.3193	6	P	16	1573.7974	787.4026
652.3670	7	T	15	1476.7447	738.8763
723.4041	8	A	14	1375.6970	688.3524
810.4361	9	S	13	1304.6599	652.8339
897.4681	10	S	12	1217.6279	609.3178
954.4896	11	G	11	1130.5958	565.8018
1055.5373	12	T	10	1073.5744	537.2911
1126.5744	13	A	9	972.5267	486.7673
1197.6115	14	A	8	901.4896	451.2487
1360.6748	15	Y	7	830.4525	415.7301
1457.7276	16	P	6	667.3891	334.1985
1528.7647	17	A	5	570.3364	285.6721
1641.8488	18	L	4	499.2993	250.1535
1738.9016	19	P	3	386.2152	193.6115
1852.9445	20	N	2	289.1624	145.0851
	21	R	1	175.1195	88.0637

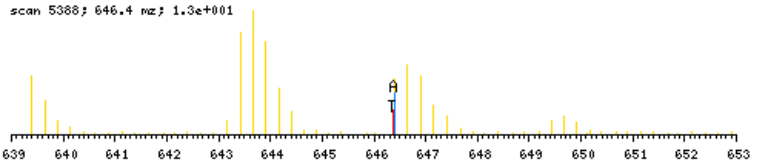
N-term:+29.04

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

SLPPHQKVPLPSLSPTMQAGTIAR, MH+ 2582.4493, m/z 646.3678
L OS G16 P120811 220811-s1.05390.05390.4.dta



click image to zoom in; 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

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+

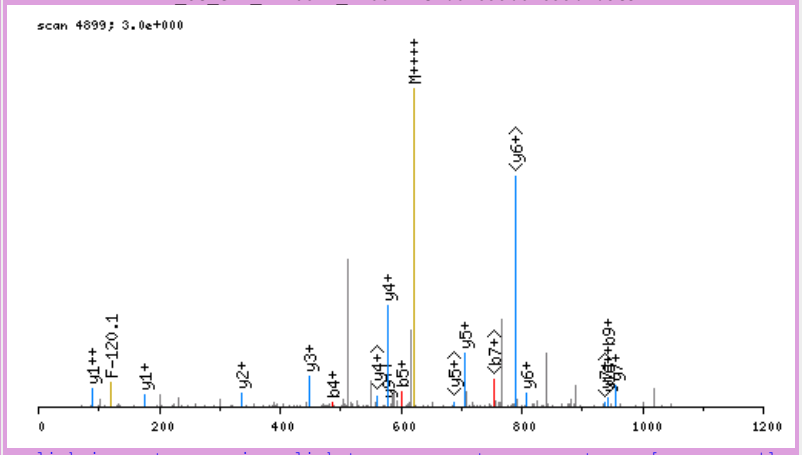
z [ ]+ [ ]2+ [ ]3+

hide H_2O/NH_3 [ ]

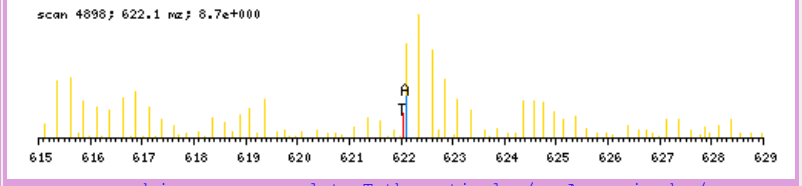
zoom 112-122 [ ]

GO

SLTKDLGGNAKCSDFTEEICR, MH+ 2485.2066, m/z 622.0571
L_OS_G17_P120811_220811-s1.04899.04899.4.dta



click image to zoom in; click top corners to zoom out [precursor]



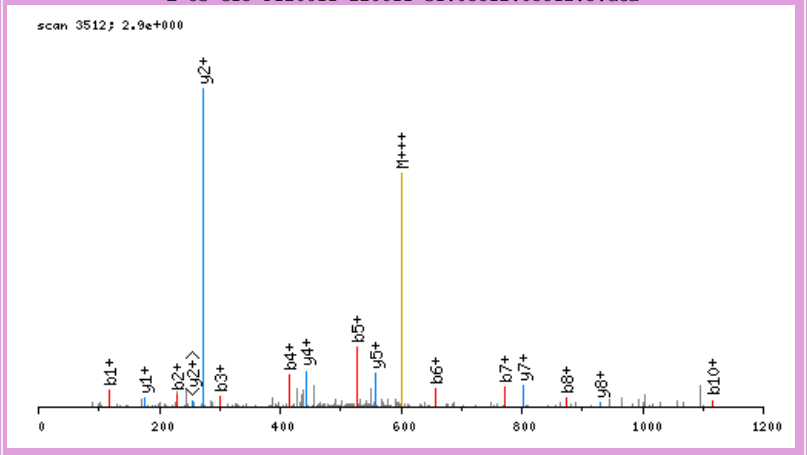
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
229.1552	2	L	20	2370.1433	1185.5756
330.2029	3	T	19	2257.0593	1129.0335
486.3292	4	K	18	2156.0116	1078.5097
601.3561	5	D	17	1999.8853	1000.4466
714.4402	6	L	16	1884.8583	**942.9331**
771.4616	7	G	15	1771.7743	886.3911
828.4831	8	G	14	1714.7528	857.8803
942.5260	9	N	13	1657.7314	829.3696
1013.5631	10	A	12	1543.6884	772.3481
1169.6894	11	K	11	1472.6513	736.8296
1329.7200	12	C	10	1316.5250	658.7664
1416.7521	13	S	9	1156.4944	**578.7511**
1531.7790	14	D	8	1069.4624	535.2351
1678.8474	15	F	7	**954.4354**	477.7216
1779.8951	16	T	6	**807.3670**	404.1874
1908.9377	17	E	5	**706.3194**	353.6636
2037.9803	18	E	4	**577.2768**	289.1423
2151.0644	19	I	3	**448.2342**	224.6210
2311.0950	20	C	2	**335.1501**	168.0790
	21	R	1	**175.1195**	**88.0637**

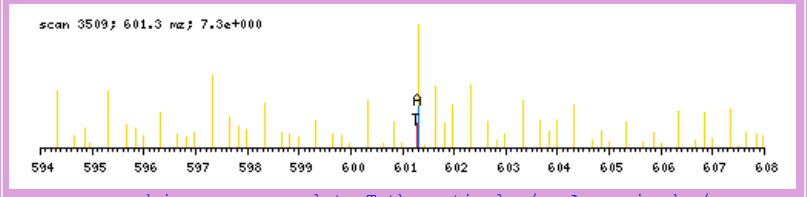
N-term:+29.04 K(4):+156.13
K(11):+156.13 C(12):+160.03
C(20):+160.03

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

SNALNEDTQDELGDPR, MH+ 1801.8204, m/z 601.2783
L OS G13 P120811 220811-s1.03512.03512.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



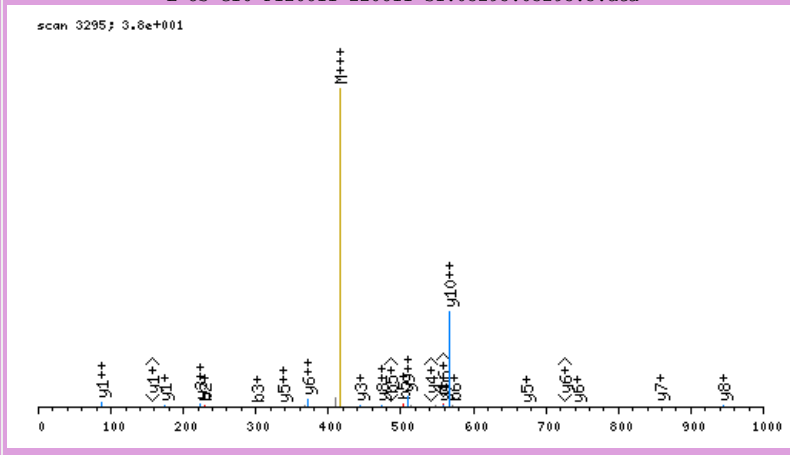
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
230.1141	2	N	15	1686.7571	843.8825
301.1512	3	A	14	1572.7142	786.8610
414.2352	4	L	13	1501.6771	751.3424
528.2782	5	N	12	1388.5930	694.8004
657.3208	6	E	11	1274.5501	637.7789
772.3477	7	D	10	1145.5075	573.2576
873.3954	8	T	9	1030.4805	515.7442
1001.4540	9	Q	8	929.4328	465.2203
1116.4809	10	D	7	801.3743	401.1910
1245.5235	11	E	6	686.3473	343.6776
1358.6076	12	L	5	557.3047	279.1563
1415.6290	13	G	4	444.2207	222.6142
1530.6560	14	D	3	387.1992	194.1035
1627.7087	15	P	2	272.1723	136.5900
	16	R	1	175.1195	88.0637

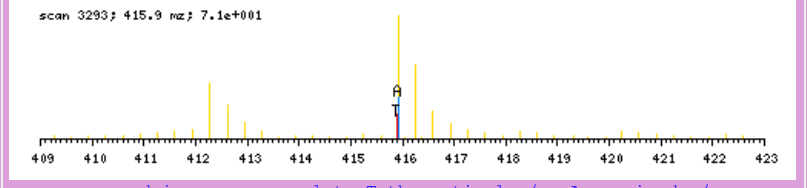
N-term:+29.04

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

SNASDALDKIR, MH+ 1245.6803, m/z 415.8983
L OS G16 P120811 220811-s1.03295.03295.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



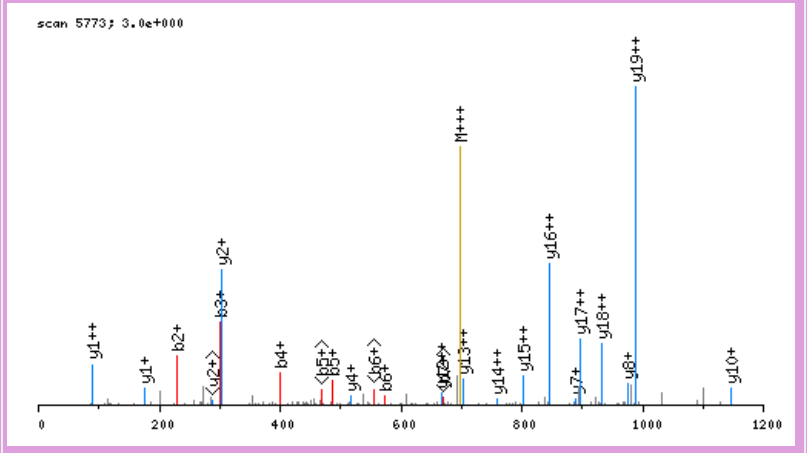
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

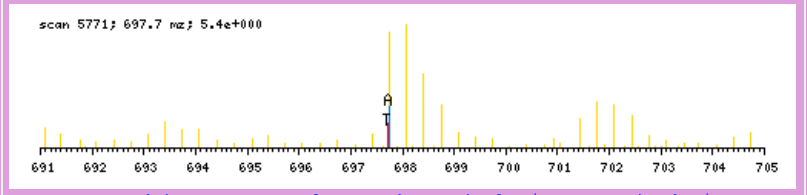
N-term:+29.04 K(9):+156.13

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+ 2091.1297, m/z 697.7148
L OS G15 P120811 220811-s1.05773.05773.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



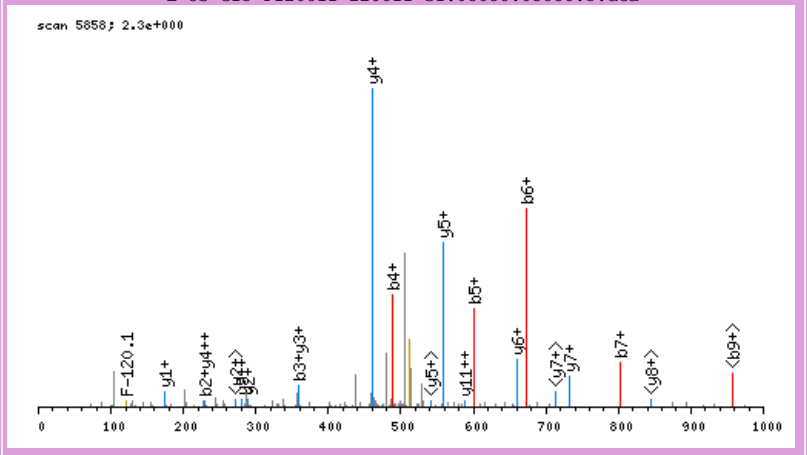
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
230.1141	2	N	19	1976.0664	**988.5371**
301.1512	3	A	18	1862.0235	**931.5157**
400.2196	4	V	17	1790.9864	**895.9971**
487.2516	5	S	16	1691.9180	**846.4629**
574.2836	6	S	15	1604.8860	**802.9469**
687.3677	7	L	14	1517.8539	**759.4309**
758.4048	8	A	13	1404.7699	**702.8888**
845.4368	9	S	12	1333.7328	**667.3703**
946.4845	10	T	11	1246.7007	623.8543
1003.5060	11	G	10	**1145.6530**	573.3304
1116.5901	12	L	9	1088.6316	544.8197
1203.6221	13	S	8	**975.5475**	488.2777
1316.7061	14	L	7	**888.5155**	444.7617
1417.7538	15	T	6	775.4314	388.2196
1573.8801	16	K	5	674.3838	337.6958
1672.9485	17	V	4	**518.2575**	259.6326
1787.9755	18	D	3	419.1890	210.0984
1917.0181	19	E	2	**304.1621**	152.5850
	20	R	1	**175.1195**	**88.0637**

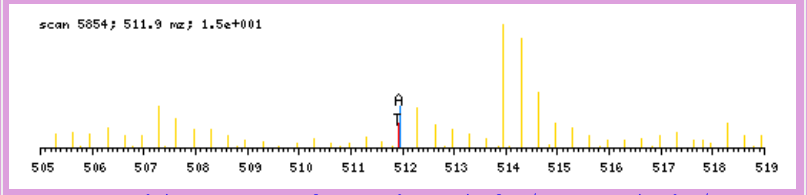
N-term:+29.04 K(16):+156.13

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

SNEEIAMATVTALR, MH+ 1533.7946, m/z 511.9364
L OS G13 P120811 220811-s1.05858.05858.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



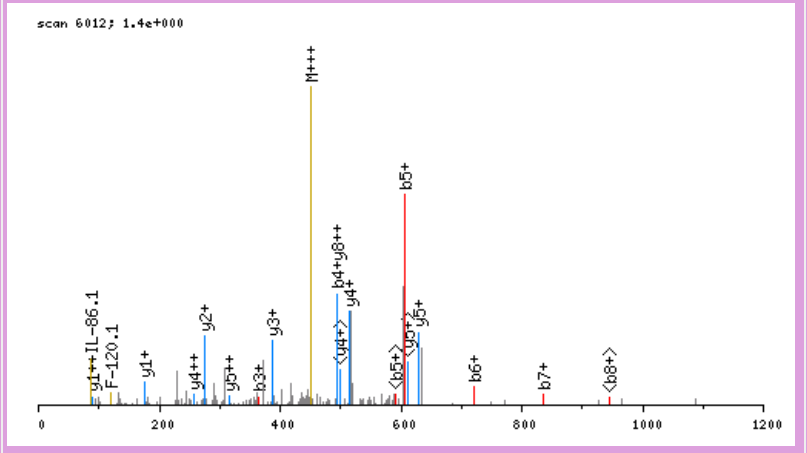
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
230.1141	2	N	13	1418.7313	709.8696
359.1566	3	E	12	1304.6884	652.8481
488.1992	4	E	11	1175.6458	588.3268
601.2833	5	I	10	1046.6032	523.8055
672.3204	6	A	9	933.5192	467.2635
803.3609	7	M	8	862.4820	431.7449
874.3980	8	A	7	731.4416	366.2247
975.4457	9	T	6	660.4044	330.7061
1074.5141	10	V	5	559.3568	280.1823
1175.5618	11	T	4	460.2884	230.6481
1246.5989	12	A	3	359.2407	180.1243
1359.6830	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

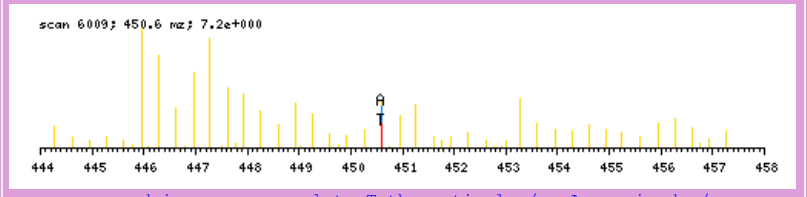
N-term:+29.04

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

SNEELLDQLVR, MH+ 1349.7488, m/z 450.5878
H_OS_G13_P120811_220811-s1.06012.06012.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



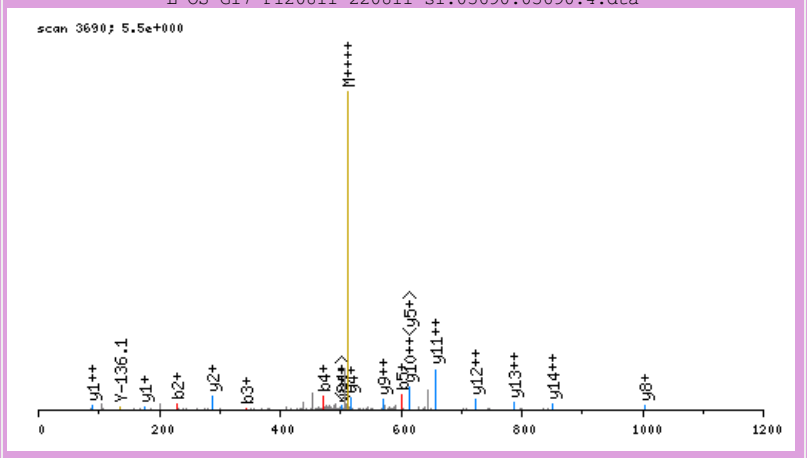
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	11		
236.1459	2	N	10	1228.6537	614.8308
365.1884	3	E	9	1114.6108	557.8093
494.2310	4	E	8	985.5682	**493.2880**
607.3151	5	L	7	856.5256	428.7667
720.3992	6	L	6	743.4416	372.2247
835.4261	7	D	5	**630.3575**	**315.6827**
963.4847	8	Q	4	**515.3306**	**258.1692**
1076.5688	9	L	3	**387.2720**	194.1399
1175.6372	10	V	2	**274.1879**	137.5979
	11	R	1	**175.1195**	**88.0637**

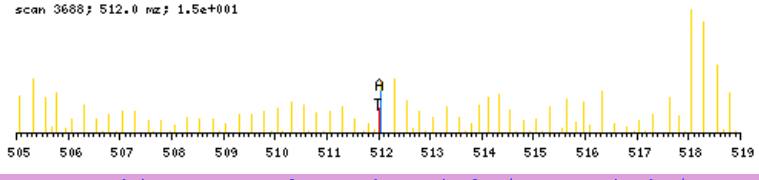
N-term:+35.07

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

SNIEQMSSHKSEITELR, MH+ 2045.0337, m/z 512.0139
L OS G17 P120811 220811-s1.03690.03690.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



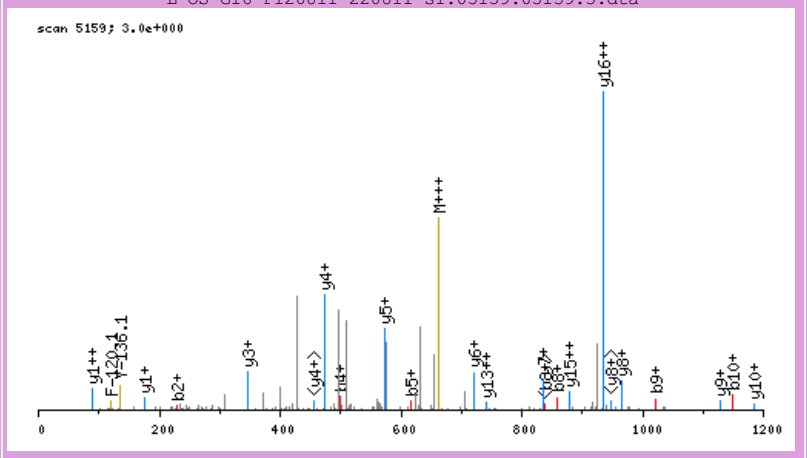
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
230.1141	2	N	16	1929.9704	965.4891
343.1981	3	I	15	1815.9275	908.4677
472.2407	4	E	14	1702.8434	851.9256
600.2993	5	Q	13	1573.8009	787.4043
731.3398	6	M	12	1445.7423	723.3751
818.3718	7	S	11	1314.7018	657.8548
905.4038	8	S	10	1227.6698	614.3388
1042.4627	9	H	9	1140.6377	570.8228
1198.5890	10	K	8	1003.5788	502.2933
1285.6211	11	S	7	847.4525	424.2302
1414.6637	12	E	6	760.4205	380.7142
1527.7477	13	I	5	631.3779	316.1929
1628.7954	14	T	4	518.2938	259.6508
1757.8380	15	E	3	417.2462	209.1270
1870.9221	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

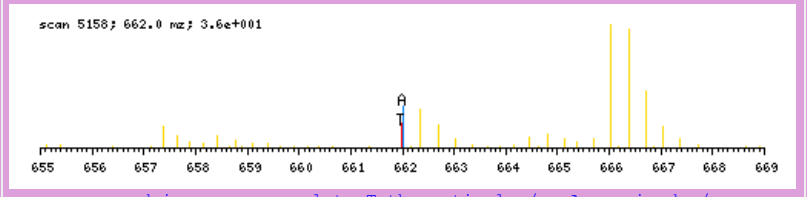
N-term:+29.04 K(10):+156.13

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

SNNKDQGGYEDFVEGLR, MH+ 1983.9412, m/z 661.9853
L OS G16 P120811 220811-s1.05159.05159.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



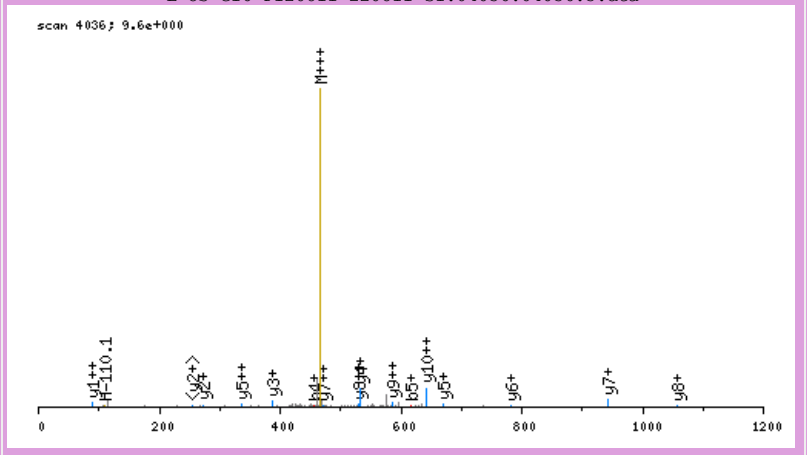
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
230.1141	2	N	16	1868.8779	934.9429
344.1570	3	N	15	1754.8350	877.9214
500.2833	4	K	14	1640.7921	820.8999
615.3102	5	D	13	1484.6658	742.8368
743.3688	6	Q	12	1369.6388	685.3233
800.3903	7	G	11	1241.5802	621.2940
857.4117	8	G	10	1184.5588	592.7833
1020.4751	9	Y	9	1127.5373	564.2726
1149.5177	10	E	8	964.4740	482.7409
1264.5446	11	D	7	835.4314	418.2196
1411.6130	12	F	6	720.4044	360.7061
1510.6814	13	V	5	573.3360	287.1719
1639.7240	14	E	4	474.2676	237.6377
1696.7455	15	G	3	345.2250	173.1164
1809.8295	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

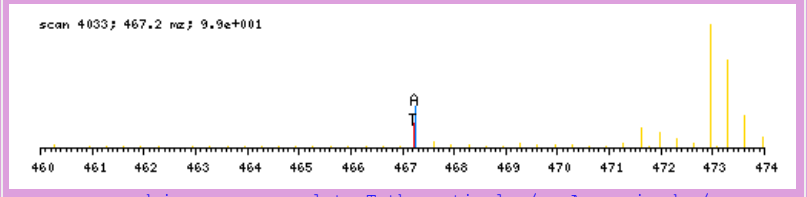
N-term:+29.04 K(4):+156.13

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

SNNLCLHFNPR, MH+ 1399.6904, m/z 467.2350
L OS G16 P120811 220811-s1.04036.04036.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



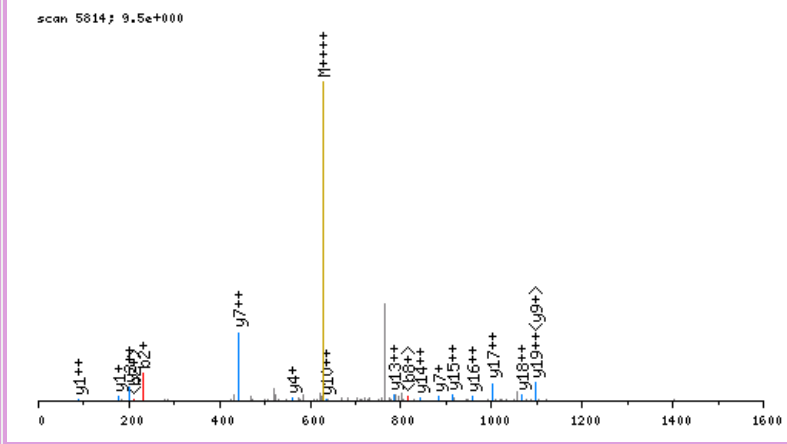
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
230.1141	2	N	10	1284.6271	**642.8175**
344.1570	3	N	9	1170.5842	**585.7960**
457.2410	4	L	8	**1056.5412**	**528.7745**
617.2716	5	C	7	**943.4572**	**472.2325**
730.3557	6	L	6	**783.4266**	392.2172
867.4146	7	H	5	**670.3425**	**335.6752**
1014.4830	8	F	4	**533.2836**	267.1457
1128.5260	9	N	3	**386.2152**	193.6115
1225.5787	10	P	2	**272.1723**	136.5900
	11	R	1	175.1195	**88.0637**

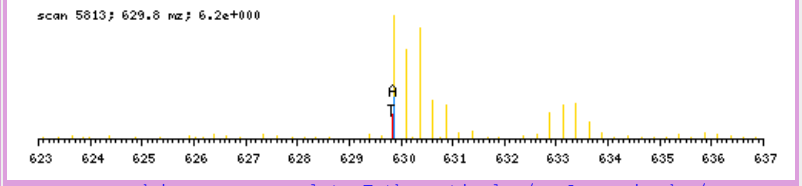
N-term:+29.04 C(5):+160.03

SNPGESSFDLADRLDPVEKIDR, MH+ 2516.2633, m/z 629.8213
L OS G16 P120811 220811-s1.05814.05814.4.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±]



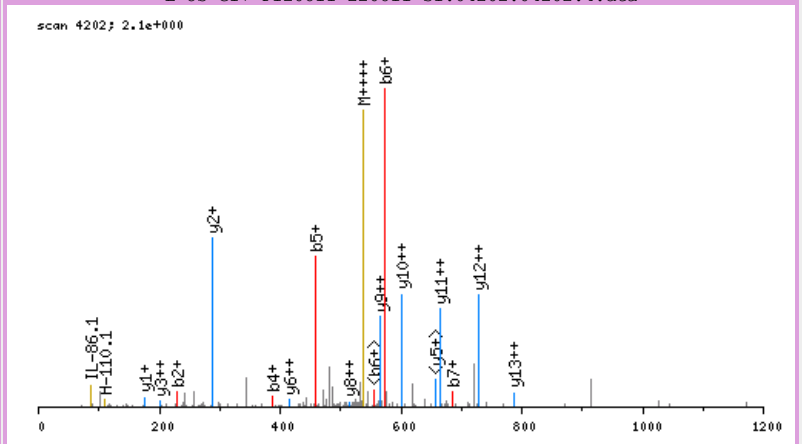
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
230.1141	2	N	21	2401.2000	1201.1039
327.1668	3	P	20	2287.1571	1144.0824
384.1883	4	G	19	2190.1043	**1095.5561**
513.2309	5	E	18	2133.0828	**1067.0453**
600.2629	6	S	17	2004.0402	**1002.5240**
687.2949	7	S	16	1917.0082	**959.0080**
834.3633	8	F	15	1829.9762	**915.4920**
949.3903	9	D	14	1682.9078	**841.9578**
1062.4744	10	L	13	1567.8808	**784.4443**
1133.5115	11	A	12	1454.7968	727.9023
1248.5384	12	D	11	1383.7596	692.3837
1404.6395	13	R	10	1268.7327	**634.8703**
1517.7236	14	L	9	1112.6316	556.8197
1632.7505	15	D	8	999.5475	500.2777
1729.8033	16	P	7	**884.5206**	**442.7642**
1828.8717	17	V	6	787.4678	394.2378
1957.9143	18	E	5	688.3994	344.7036
2114.0406	19	K	4	**559.3568**	280.1823
2227.1247	20	I	3	403.2305	**202.1192**
2342.1516	21	D	2	290.1464	145.5771
	22	R	1	**175.1195**	**88.0637**

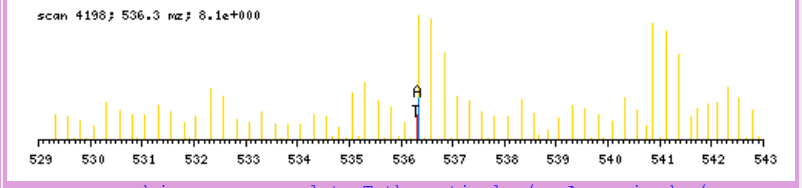
N-term:+29.04 K(19):+156.13

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

SNSAALIQQATTVKNKDIR, MH+ 2142.2247, m/z 536.3116
L OS G17 P120811 220811-s1.04202.04202.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



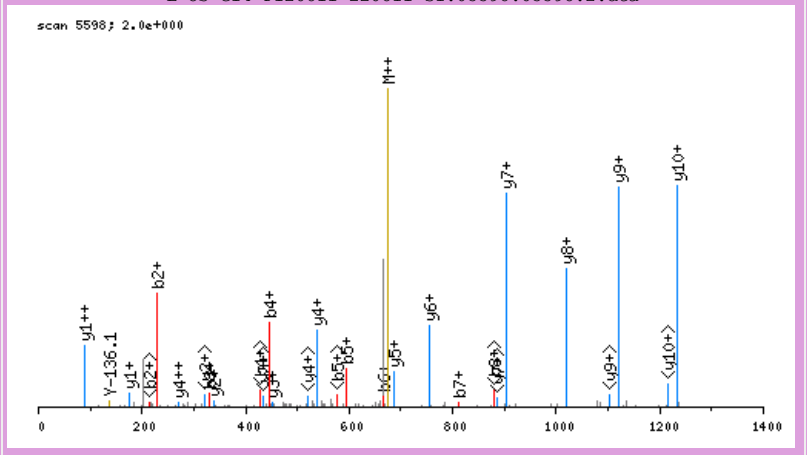
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
230.1141	2	N	18	2027.1614	1014.0846
317.1461	3	S	17	1913.1185	957.0631
388.1832	4	A	16	1826.0864	913.5471
459.2203	5	A	15	1755.0493	878.0286
572.3044	6	L	14	1684.0122	842.5100
685.3884	7	I	13	1570.9281	**785.9680**
813.4470	8	Q	12	1457.8441	**729.4260**
941.5056	9	Q	11	1329.7855	**665.3967**
1012.5427	10	A	10	1201.7269	**601.3674**
1113.5904	11	T	9	1130.6898	**565.8488**
1214.6381	12	T	8	1029.6421	**515.3250**
1313.7065	13	V	7	928.5944	464.8011
1469.8328	14	K	6	829.5260	**415.2669**
1583.8757	15	N	5	673.3997	337.2038
1740.0020	16	K	4	559.3568	280.1823
1855.0290	17	D	3	403.2305	**202.1192**
1968.1130	18	I	2	**288.2036**	144.6057
	19	R	1	**175.1195**	88.0637

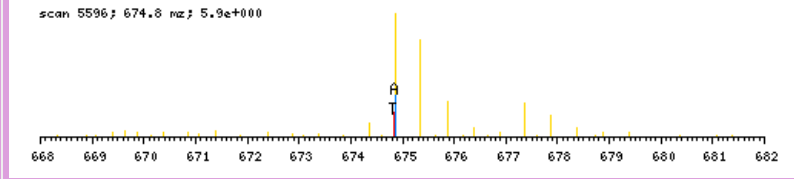
N-term:+29.04 K(14):+156.13
K(16):+156.13

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

SNTDFAFSLYR, MH+ 1348.6537, m/z 674.8305
L OS G14 P120811 220811-s1.05598.05598.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



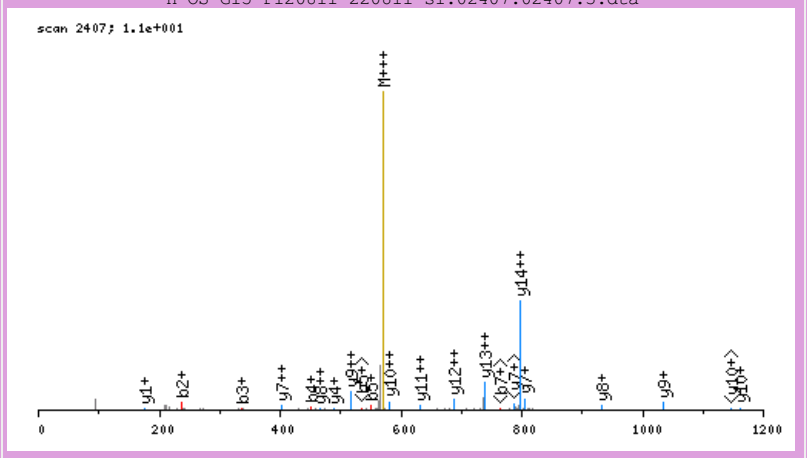
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
230.1141	2	N	10	1233.5904	617.2991
331.1617	3	T	9	1119.5475	560.2777
446.1887	4	D	8	1018.4998	509.7538
593.2571	5	F	7	903.4729	452.2403
664.2942	6	A	6	756.4044	378.7061
811.3626	7	F	5	685.3673	343.1876
898.3946	8	S	4	538.2989	269.6534
1011.4787	9	L	3	451.2669	226.1374
1174.5420	10	Y	2	338.1828	169.5953
	11	R	1	175.1195	88.0637

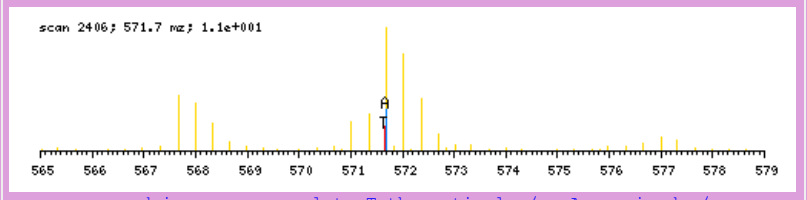
N-term:+29.04

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

SNTDVETQPGKTVIR, MH+ 1712.9819, m/z 571.6655
H OS G15 P120811 220811-s1.02407.02407.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



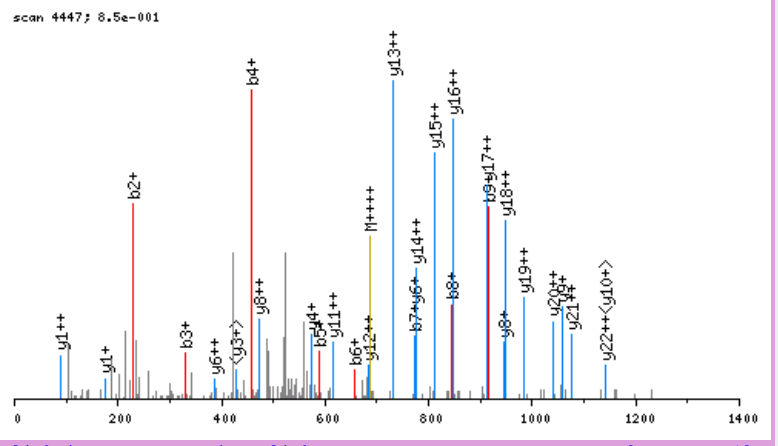
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
236.1459	2	N	14	1591.8868	796.4473
337.1935	3	T	13	1477.8439	739.4258
452.2205	4	D	12	1376.7962	688.9020
551.2889	5	V	11	1261.7692	631.3885
680.3315	6	E	10	1162.7008	581.8543
781.3792	7	T	9	1033.6582	517.3330
909.4377	8	Q	8	932.6106	466.8092
1006.4905	9	P	7	804.5520	402.7799
1063.5120	10	G	6	707.4992	354.2535
1225.6701	11	K	5	650.4778	325.7428
1326.7177	12	T	4	488.3197	244.6637
1425.7862	13	V	3	387.2720	194.1399
1538.8702	14	I	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

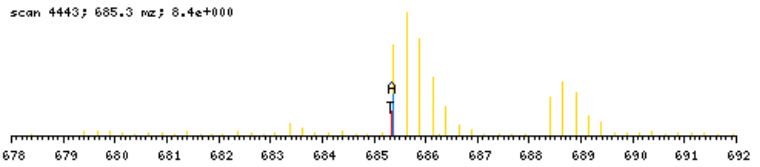
N-term:+35.07 K(11):+162.16

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

SNVEEADAAMAASPHAVDGNTVELKR, MH+ 2738.3419, m/z 685.3409
L OS G16 P120811 220811-s1.04447.04447.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



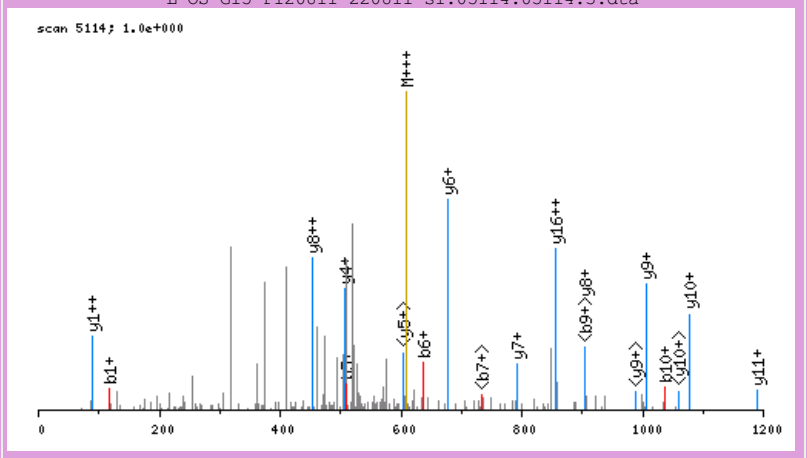
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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**

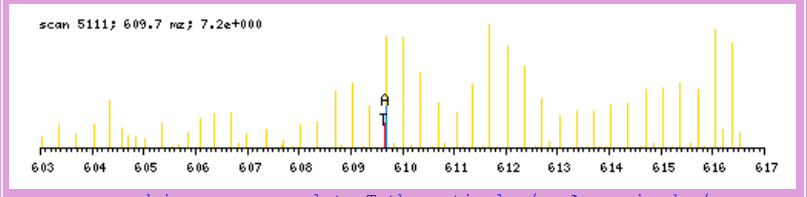
N-term:+29.04 K(25):+156.13

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

SPASHEIATNLGDFALR, MH+ 1826.9401, m/z 609.6515
L OS G15 P120811 220811-s1.05114.05114.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



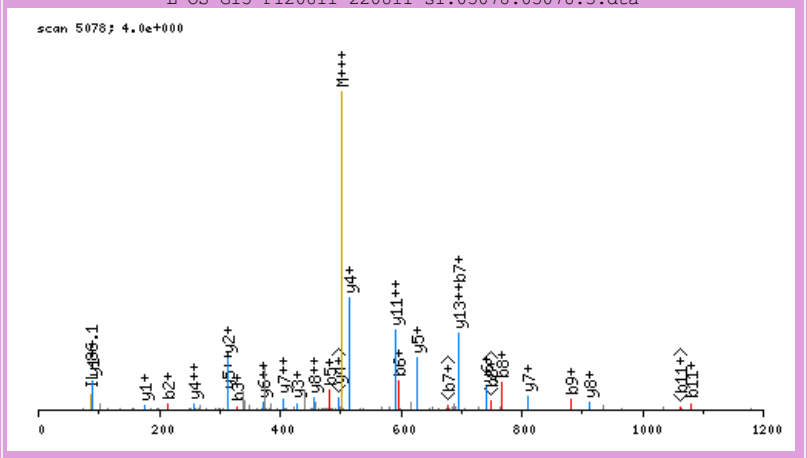
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

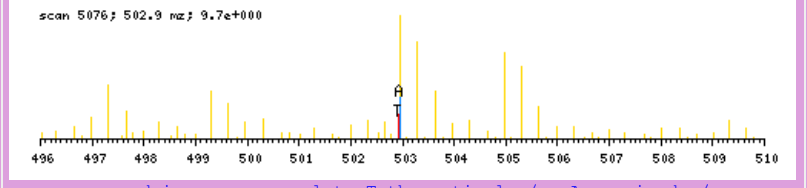
N-term:+29.04

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 G15 P120811 220811-s1.05078.05078.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



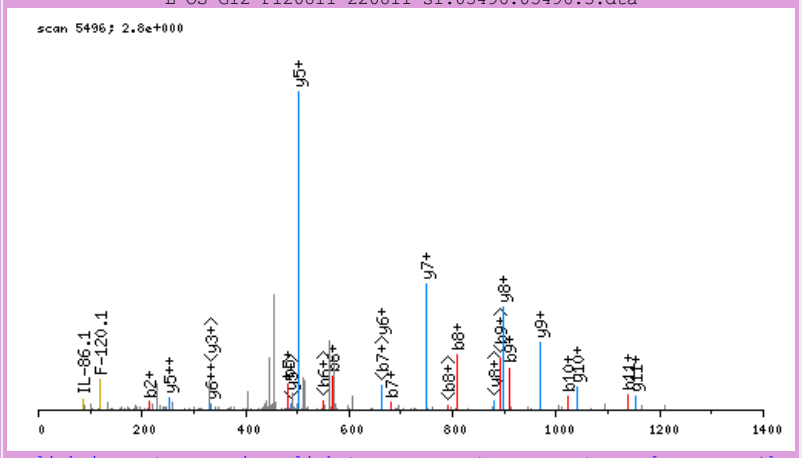
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

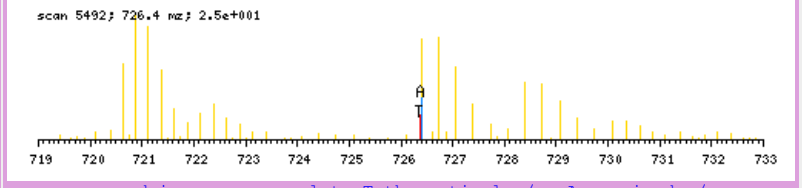
N-term:+29.04

SPPGISLETIDAAFSCPGSSR, MH+ 2177.0548, m/z 726.3564
L OS G12 P120811 220811-s1.05496.05496.3.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±]



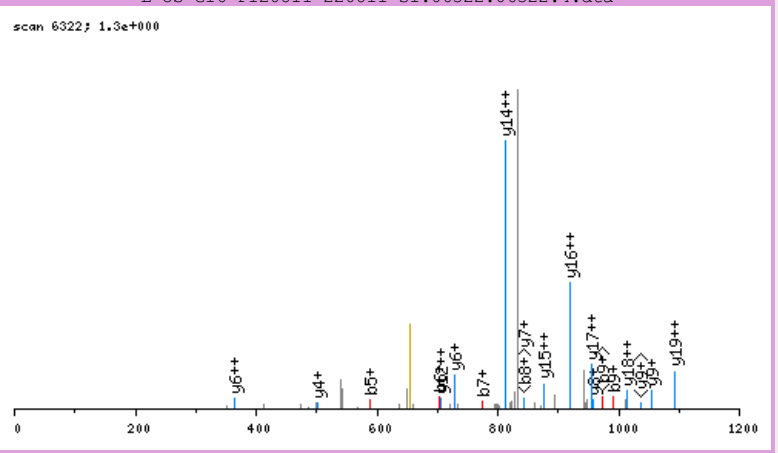
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
213.1239	2	P	20	2061.9915	1031.4997
310.1767	3	P	19	1964.9387	982.9733
367.1981	4	G	18	1867.8860	934.4469
480.2822	5	I	17	1810.8645	905.9362
567.3142	6	S	16	1697.7804	849.3941
680.3983	7	L	15	1610.7484	805.8781
809.4409	8	E	14	1497.6643	749.3361
910.4885	9	T	13	1368.6217	684.8148
1023.5726	10	I	12	1267.5741	634.2909
1138.5996	11	D	11	**1154.4900**	577.7489
1209.6367	12	A	10	**1039.4631**	520.2354
1280.6738	13	A	9	**968.4259**	484.7169
1427.7422	14	F	8	**897.3888**	449.1983
1514.7742	15	S	7	**750.3204**	375.6641
1674.8048	16	C	6	**663.2884**	**332.1481**
1771.8576	17	P	5	**503.2578**	**252.1328**
1828.8791	18	G	4	406.2050	203.6064
1915.9111	19	S	3	349.1836	175.0957
2002.9431	20	S	2	262.1515	131.5797
	21	R	1	175.1195	88.0637

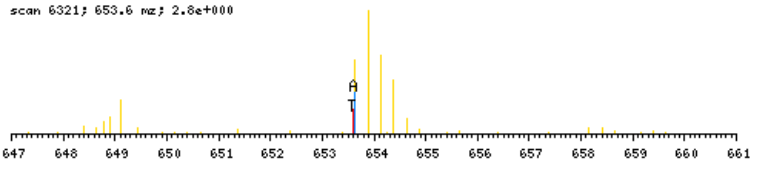
N-term:+29.04 C(16):+160.03

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

SPTNCDASEPLAEKVLDLINKGR, MH+ 2611.3765, m/z 653.5996
L OS G16 P120811 220811-s1.06322.06322.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



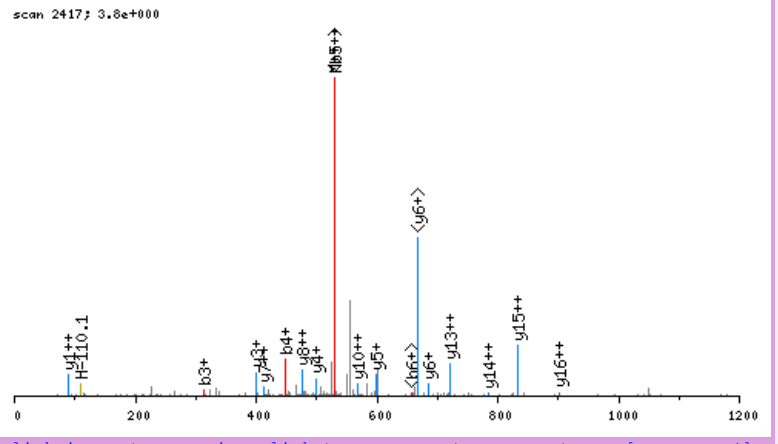
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
213.1239	2	P	22	2496.3132	1248.6605
314.1716	3	T	21	2399.2605	1200.1341
428.2145	4	N	20	2298.2128	1149.6103
588.2451	5	C	19	2184.1699	**1092.5888**
703.2720	6	D	18	2024.1393	**1012.5735**
774.3092	7	A	17	1909.1123	**955.0601**
861.3412	8	S	16	1838.0752	**919.5415**
990.3838	9	E	15	1751.0432	**876.0255**
1087.4365	10	P	14	1622.0006	**811.5042**
1200.5206	11	L	13	1524.9478	762.9778
1271.5577	12	A	12	1411.8637	**706.4358**
1400.6003	13	E	11	1340.8266	670.9172
1556.7266	14	K	10	1211.7840	606.3959
1655.7950	15	V	9	**1055.6577**	528.3328
1768.8791	16	L	8	**956.5893**	478.7986
1883.9060	17	D	7	**843.5053**	422.2565
1996.9901	18	L	6	**728.4783**	**364.7431**
2110.0742	19	I	5	615.3943	308.2010
2224.1171	20	N	4	**502.3102**	251.6590
2380.2434	21	K	3	388.2673	194.6375
2437.2649	22	G	2	232.1410	116.5744
	23	R	1	175.1195	88.0637

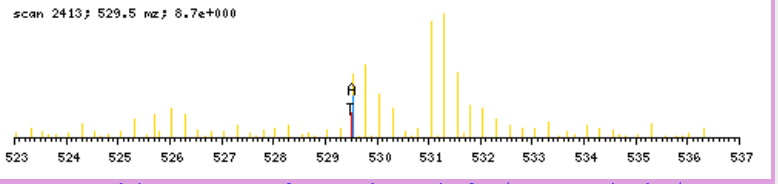
N-term:+29.04 C(5):+160.03
K(14):+156.13 K(21):+156.13

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

SPVHPESSEGEEHSVVPQR, MH+ 2115.0107, m/z 529.5081
L OS G17 P120811 220811-s1.02417.02417.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



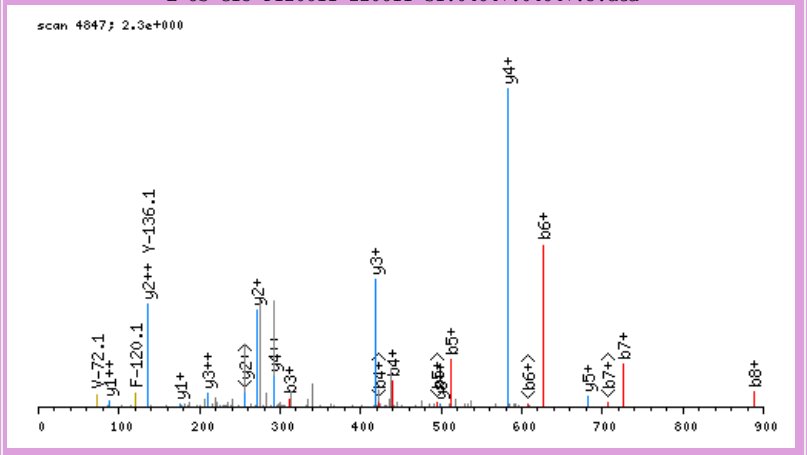
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
213.1239	2	P	18	1999.9474	1000.4776
312.1923	3	V	17	1902.8946	951.9512
449.2512	4	H	16	1803.8262	**902.4170**
546.3040	5	P	15	1666.7673	**833.8875**
675.3466	6	E	14	1569.7145	**785.3612**
762.3786	7	S	13	1440.6719	**720.8399**
849.4106	8	S	12	1353.6399	677.3239
978.4532	9	E	11	1266.6079	633.8078
1035.4747	10	G	10	1137.5653	**569.2865**
1164.5173	11	E	9	1080.5438	540.7758
1293.5599	12	E	8	951.5012	**476.2545**
1430.6188	13	H	7	822.4586	**411.7332**
1517.6508	14	S	6	**685.3997**	343.2038
1616.7192	15	V	5	**598.3677**	299.6877
1715.7876	16	V	4	**499.2993**	250.1535
1812.8404	17	P	3	**400.2308**	200.6193
1940.8990	18	Q	2	303.1781	152.0930
	19	R	1	175.1195	**88.0637**

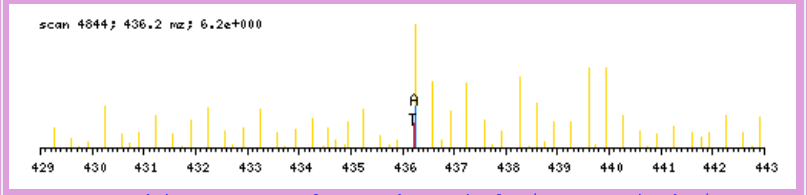
N-term:+29.04

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

SPVQADVYFPR, MH+ 1306.6795, m/z 436.2314
L OS G13 P120811 220811-s1.04847.04847.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



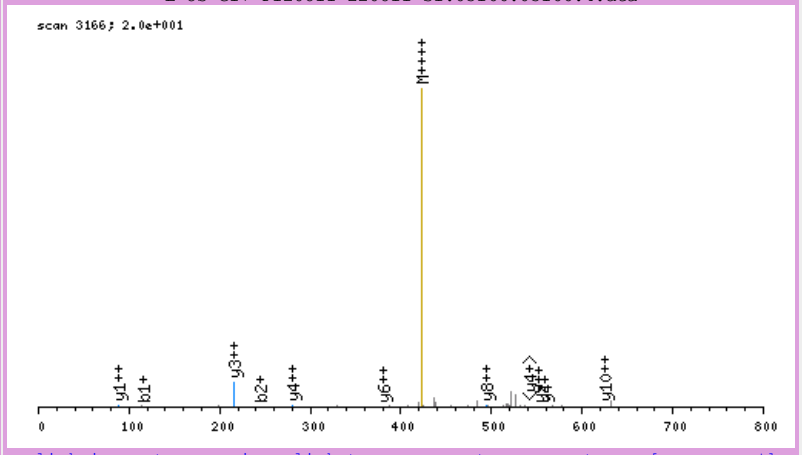
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
213.1239	2	P	10	1191.6162	596.3120
312.1923	3	V	9	1094.5635	547.7856
440.2509	4	Q	8	995.4951	498.2514
511.2880	5	A	7	867.4365	434.2222
626.3149	6	D	6	796.3994	398.7036
725.3834	7	V	5	681.3724	341.1901
888.4467	8	Y	4	582.3040	291.6559
1035.5151	9	F	3	419.2407	210.1243
1132.5679	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

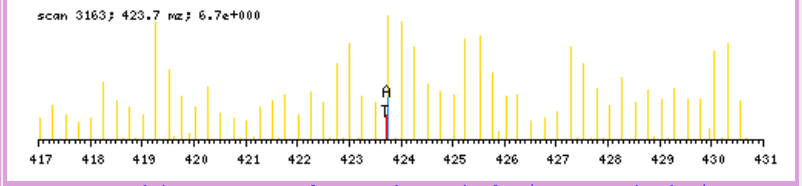
N-term:+29.04

SQAEFDKAAEEVKR, MH+ 1691.8969, m/z 423.7297
L OS G17 P120811 220811-s1.03166.03166.4.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‡]



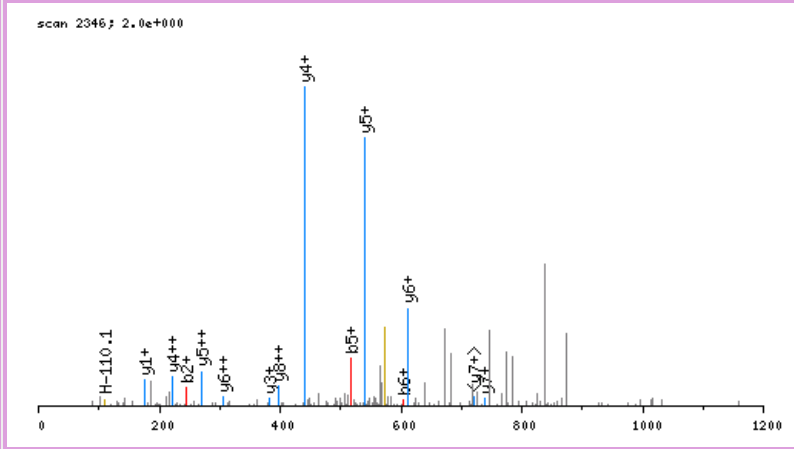
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	**1**	**S**	**14**		
244.1297	**2**	**Q**	**13**	1576.8336	788.9207
315.1668	**3**	**A**	**12**	1448.7750	724.8914
444.2094	**4**	**E**	**11**	1377.7379	689.3729
591.2778	**5**	**F**	**10**	1248.6953	**624.8516**
706.3048	**6**	**D**	**9**	1101.6269	**551.3173**
862.4311	**7**	**K**	**8**	986.5999	**493.8039**
933.4682	**8**	**A**	**7**	830.4736	415.7407
1004.5053	**9**	**A**	**6**	759.4365	**380.2222**
1133.5479	**10**	**E**	**5**	688.3994	344.7036
1262.5905	**11**	**E**	**4**	**559.3568**	**280.1823**
1361.6589	**12**	**V**	**3**	430.3142	**215.6610**
1517.7852	**13**	**K**	**2**	331.2458	166.1268
	14	**R**	**1**	175.1195	**88.0637**

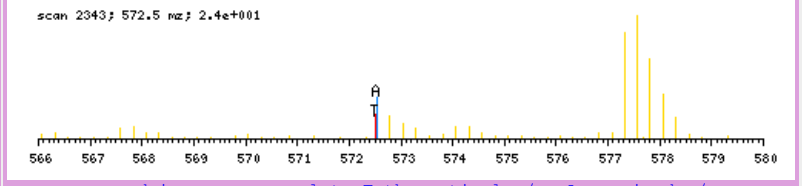
N-term:+29.04 K(7):+156.13
K(13):+156.13

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

SQASDSEGHSDFSEGQAVGAHR, MH+ 2286.9975, m/z 572.5048
L OS G17 P120811 220811-s1.02346.02346.4.dta



click image to zoom in; click top corners to zoom out [precursor]



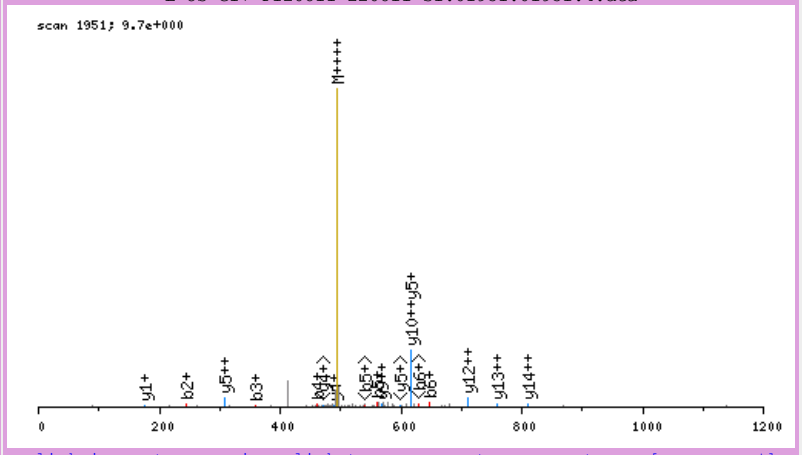
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	22		
244.1297	2	Q	21	2171.9342	1086.4710
315.1668	3	A	20	2043.8756	1022.4417
402.1988	4	S	19	1972.8385	986.9232
517.2258	5	D	18	1885.8065	943.4072
604.2578	6	S	17	1770.7796	885.8937
733.3004	7	E	16	1683.7475	842.3777
790.3219	8	G	15	1554.7049	777.8564
927.3808	9	H	14	1497.6835	749.3457
1014.4128	10	S	13	1360.6246	680.8162
1129.4398	11	D	12	1273.5925	637.3002
1276.5082	12	F	11	1158.5656	579.7867
1363.5402	13	S	10	1011.4972	506.2525
1492.5828	14	E	9	924.4652	462.7365
1549.6043	15	G	8	795.4226	**398.2152**
1677.6628	16	Q	7	**738.4011**	369.7045
1748.7000	17	A	6	**610.3425**	**305.6752**
1847.7684	18	V	5	**539.3054**	**270.1566**
1904.7898	19	G	4	**440.2370**	**220.6224**
1975.8269	20	A	3	**383.2155**	192.1117
2112.8859	21	H	2	312.1784	156.5931
	22	R	1	**175.1195**	88.0637

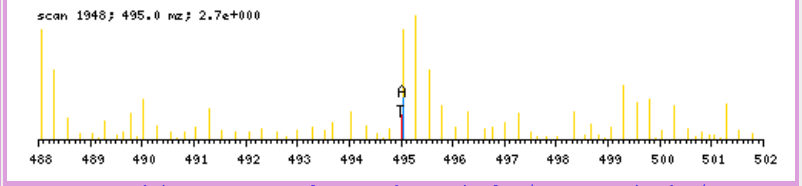
N-term:+29.04

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

SQDTVSVPCKSDQSKAR, MH+ 1977.0075, m/z 495.0073
L OS G17 P120811 220811-s1.01951.01951.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



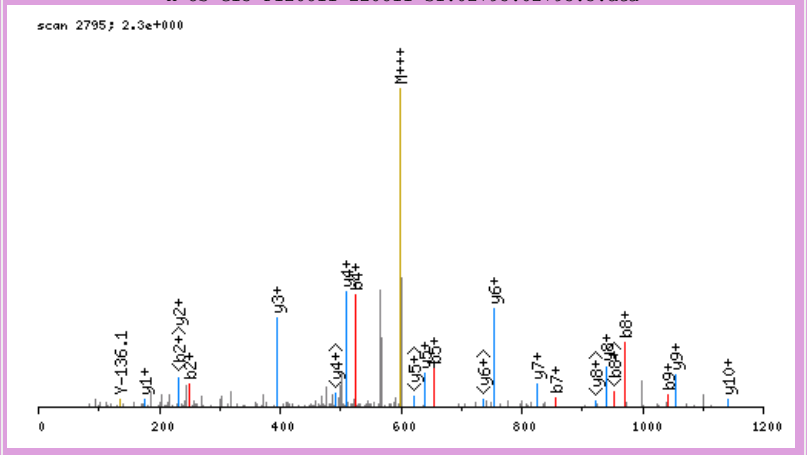
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
244.1297	2	Q	16	1861.9442	931.4760
359.1566	3	D	15	1733.8856	867.4467
460.2043	4	T	14	1618.8587	**809.9333**
559.2727	5	V	13	1517.8110	**759.4094**
646.3048	6	S	12	1418.7426	**709.8752**
745.3732	7	V	11	1331.7106	666.3592
842.4259	8	P	10	1232.6422	**616.8250**
1002.4565	9	C	9	1135.5894	**568.2986**
1158.5828	10	K	8	975.5588	488.2833
1245.6149	11	S	7	819.4325	410.2202
1360.6418	12	D	6	732.4005	366.7041
1488.7004	13	Q	5	**617.3735**	**309.1907**
1575.7324	14	S	4	**489.3149**	245.1614
1731.8587	15	K	3	402.2829	201.6454
1802.8958	16	A	2	246.1566	123.5822
	17	R	1	**175.1195**	88.0637

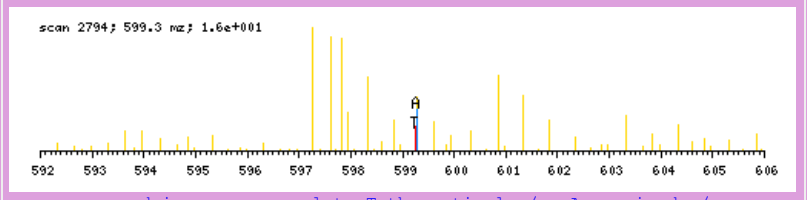
N-term:+29.04 C(9):+160.03
K(10):+156.13 K(15):+156.13

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

SQFQESDDADEDYGR, MH+ 1795.7471, m/z 599.2539
H OS G13 P120811 220811-s1.02795.02795.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



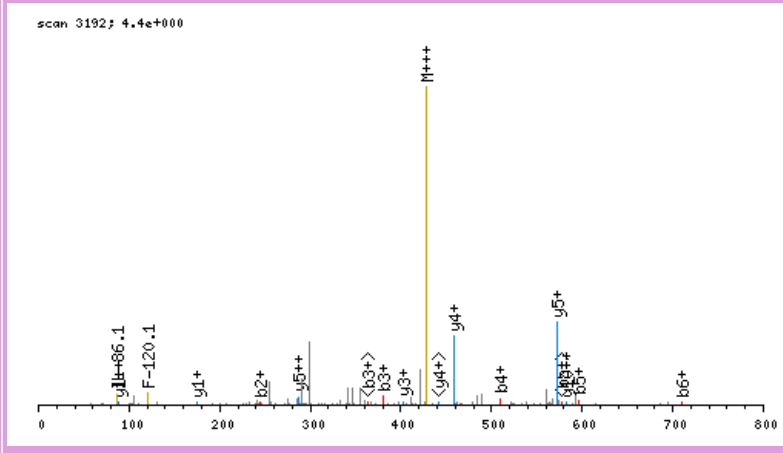
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
250.1615	2	Q	14	1674.6520	837.8299
397.2299	3	F	13	1546.5934	773.8006
525.2885	4	Q	12	1399.5250	700.2664
654.3311	5	E	11	1271.4664	636.2371
741.3631	6	S	10	1142.4238	571.7158
856.3901	7	D	9	1055.3918	528.1998
971.4170	8	D	8	940.3648	470.6863
1042.4541	9	A	7	825.3379	413.1729
1157.4811	10	D	6	754.3008	377.6543
1286.5237	11	E	5	639.2738	320.1408
1401.5506	12	D	4	510.2312	255.6195
1564.6139	13	Y	3	395.2043	198.1061
1621.6354	14	G	2	232.1410	116.5744
	15	R	1	175.1195	88.0637

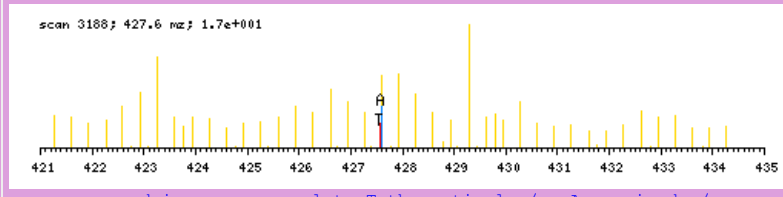
N-term:+35.07

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

SQHQSLLGNIR, MH+ 1280.7075, m/z 427.5740
L OS G16 P120811 220811-s1.03192.03192.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



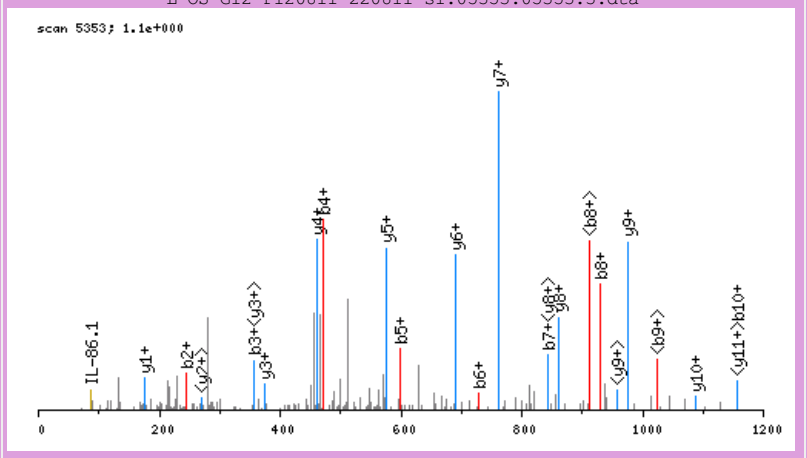
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
244.1297	2	Q	10	1165.6442	**583.3260**
381.1886	3	H	9	1037.5856	519.2967
509.2472	4	Q	8	900.5267	450.7673
596.2792	5	S	7	772.4681	386.7380
709.3633	6	L	6	685.4361	343.2220
822.4474	7	L	5	**572.3520**	**286.6799**
879.4688	8	G	4	**459.2680**	230.1379
993.5117	9	N	3	**402.2465**	201.6272
1106.5958	10	I	2	288.2036	144.6057
	11	R	1	**175.1195**	**88.0637**

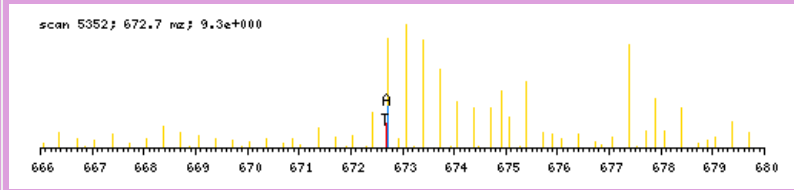
N-term:+29.04

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

SQLLQEDSLNVADLSSLR, MH+ 2016.0613, m/z 672.6920
L OS G12 P120811 220811-s1.05353.05353.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



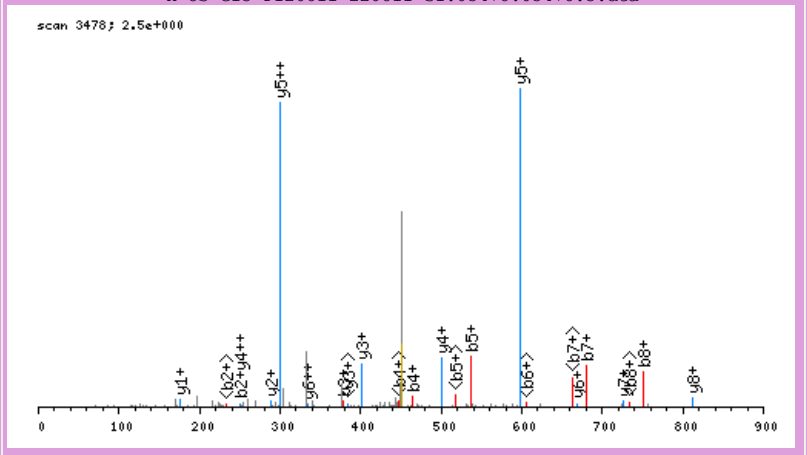
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
244.1297	2	Q	17	1900.9980	951.0029
357.2138	3	L	16	1772.9394	886.9736
470.2978	4	L	15	1659.8554	830.4316
598.3564	5	Q	14	1546.7713	773.8896
727.3990	6	E	13	1418.7127	709.8603
842.4259	7	D	12	1289.6701	645.3390
929.4580	8	S	11	1174.6432	587.8255
1042.5420	9	L	10	1087.6111	544.3095
1156.5850	10	N	9	974.5271	487.7675
1255.6534	11	V	8	860.4842	430.7460
1326.6905	12	A	7	761.4157	381.2118
1441.7174	13	D	6	690.3786	345.6932
1554.8015	14	L	5	575.3517	288.1798
1641.8335	15	S	4	462.2676	231.6377
1728.8656	16	S	3	375.2356	188.1217
1841.9496	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

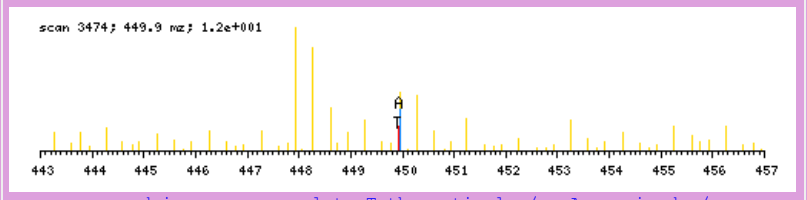
N-term:+29.04

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

SQQSASGAPVLLR, MH+ 1347.7808, m/z 449.9318
H OS G13 P120811 220811-s1.03478.03478.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



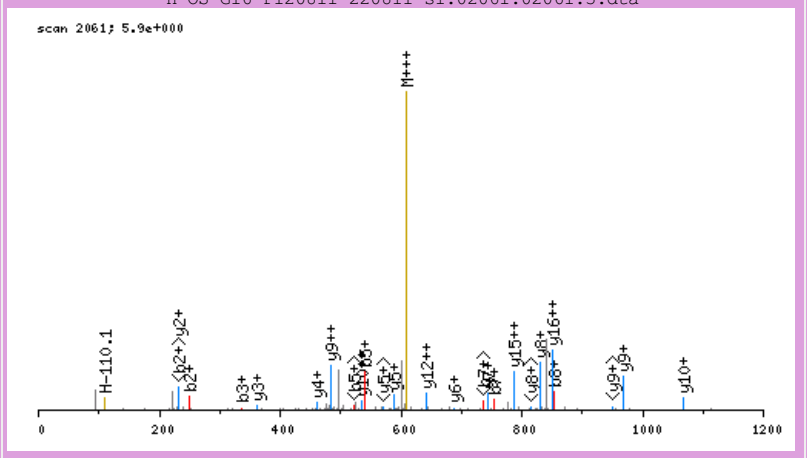
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
250.1615	2	Q	12	1226.6857	613.8468
378.2201	3	Q	11	1098.6271	549.8175
465.2521	4	S	10	970.5686	485.7882
536.2892	5	A	9	883.5365	442.2722
623.3213	6	S	8	812.4994	406.7536
680.3427	7	G	7	725.4674	363.2376
751.3798	8	A	6	668.4459	334.7269
848.4326	9	P	5	597.4088	299.2083
947.5010	10	V	4	500.3560	250.6819
1060.5851	11	L	3	401.2876	201.1477
1173.6691	12	L	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

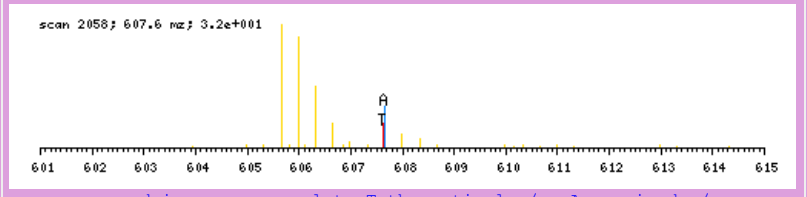
N-term:+35.07

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

SQSSDSQVHSGVQVEGR, MH+ 1820.8951, m/z 607.6365
H OS G16 P120811 220811-s1.02061.02061.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



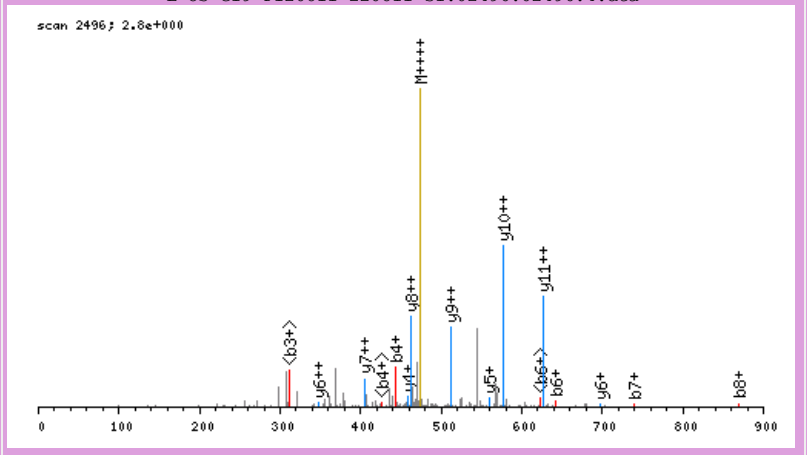
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
250.1615	2	Q	16	1699.8000	850.4039
337.1935	3	S	15	1571.7414	786.3746
424.2256	4	S	14	1484.7094	742.8586
539.2525	5	D	13	1397.6773	699.3426
626.2845	6	S	12	1282.6504	641.8291
754.3431	7	Q	11	1195.6184	598.3131
853.4115	8	V	10	1067.5598	534.2838
990.4704	9	H	9	968.4914	484.7496
1077.5025	10	S	8	831.4325	416.2201
1134.5239	11	G	7	744.4004	372.7041
1233.5923	12	V	6	687.3790	344.1934
1361.6509	13	Q	5	588.3105	294.6592
1460.7193	14	V	4	460.2520	230.6299
1589.7619	15	E	3	361.1836	181.0957
1646.7834	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

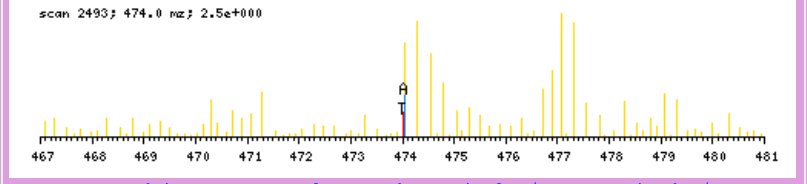
N-term:+35.07

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

SRGNPTVEVDLHTAKGR, MH+ 1893.0306, m/z 474.0131
L OS G19 P120811 220811-s1.02496.02496.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



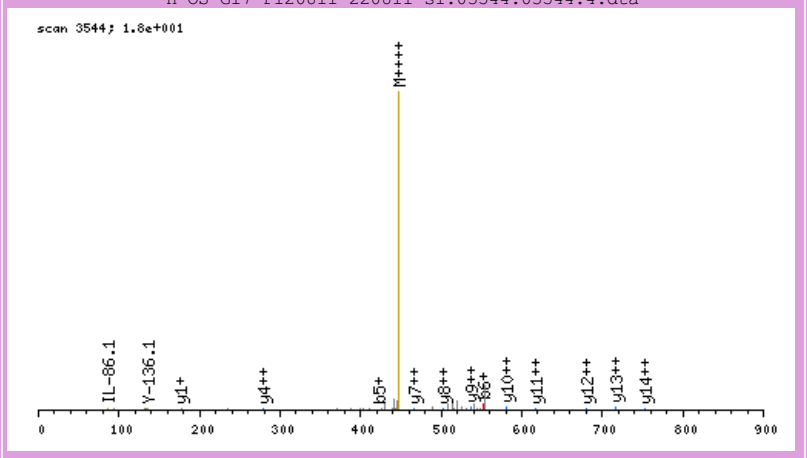
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
272.1722	2	R	16	1777.9673	889.4876
329.1937	3	G	15	1621.8662	811.4370
443.2366	4	N	14	1564.8448	782.9263
540.2894	5	P	13	1450.8018	725.9048
641.3371	6	T	12	1353.7491	677.3785
740.4055	7	V	11	1252.7014	**626.8546**
869.4481	8	E	10	1153.6330	**577.3204**
968.5165	9	V	9	1024.5904	**512.7991**
1083.5434	10	D	8	925.5220	**463.2649**
1196.6275	11	L	7	810.4950	**405.7514**
1333.6864	12	H	6	**697.4110**	**349.2094**
1434.7341	13	T	5	**560.3521**	280.6799
1505.7712	14	A	4	**459.3044**	230.1561
1661.8975	15	K	3	388.2673	194.6375
1718.9190	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

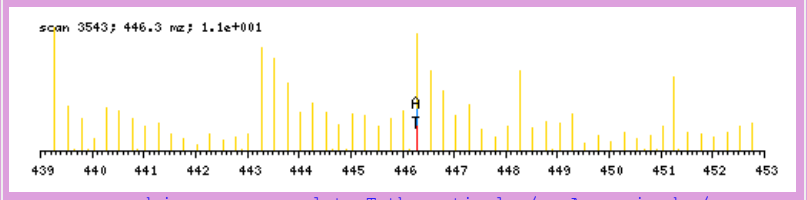
N-term:+29.04 K(15):+156.13

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

SSAAAEASAALKVRPER, MH+ 1782.0510, m/z 446.2682
H OS G17 P120811 220811-s1.03544.03544.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

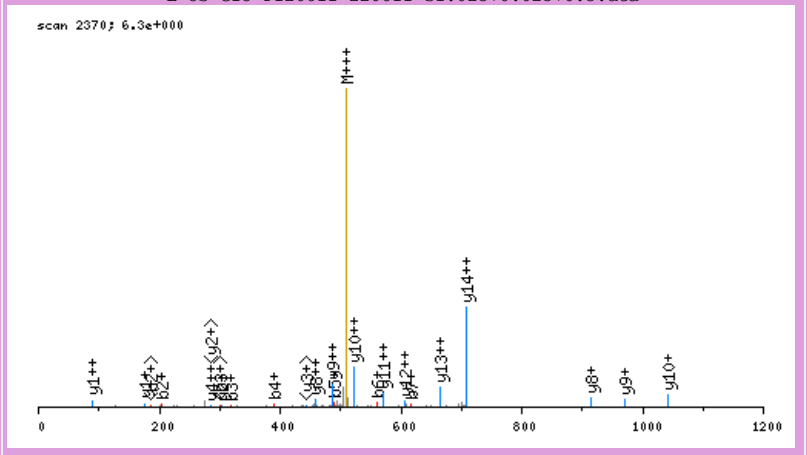


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

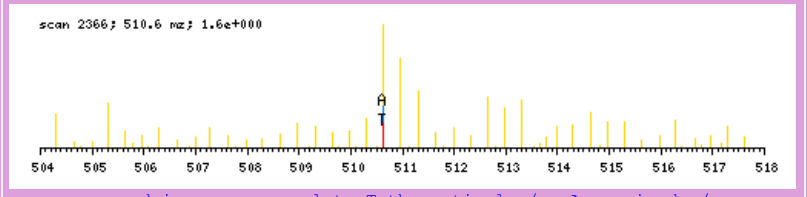
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
209.1350	2	S	16	1660.9559	830.9819
280.1721	3	A	15	1573.9239	787.4658
351.2092	4	A	14	1502.8867	**751.9473**
422.2463	5	A	13	1431.8496	**716.4287**
551.2889	6	E	12	1360.8125	**680.9102**
622.3260	7	A	11	1231.7699	**616.3889**
709.3580	8	S	10	1160.7328	**580.8703**
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

SSDAVAGPASSLKQR, MH+ 1529.8288, m/z 510.6144
L OS G15 P120811 220811-s1.02370.02370.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

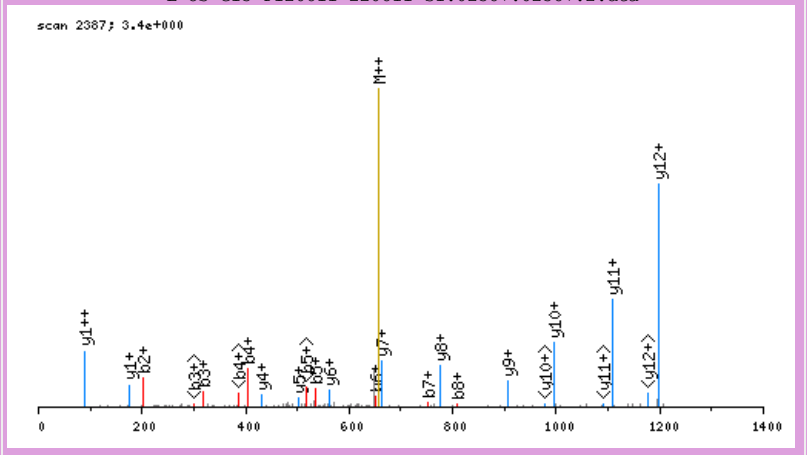
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1414.7655	707.8866
318.1301	3	D	13	1327.7334	664.3706
389.1672	4	A	12	1212.7065	606.8572
488.2356	5	V	11	1141.6694	571.3386
559.2727	6	A	10	1042.6010	521.8044
616.2942	7	G	9	971.5638	486.2858
713.3470	8	P	8	914.5424	457.7751
784.3841	9	A	7	817.4896	409.2487
871.4161	10	S	6	746.4525	373.7302
958.4481	11	S	5	659.4205	330.2141
1071.5322	12	L	4	572.3884	286.6981
1227.6585	13	K	3	459.3044	230.1561
1355.7171	14	Q	2	303.1781	152.0930
	15	R	1	175.1195	88.0637

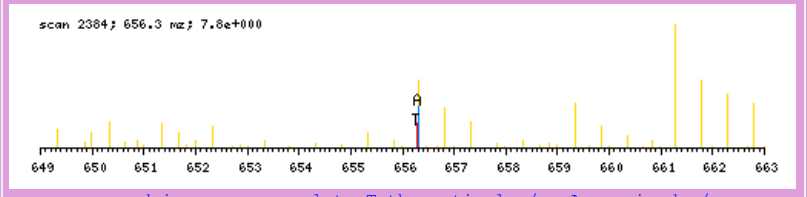
N-term:+29.04 K(13):+156.13

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

SSDSMDTGAGSIR, MH+ 1311.5850, m/z 656.2962
L OS G13 P120811 220811-s1.02387.02387.2.dta



click image to zoom in; click top corners to zoom out [precursor±]

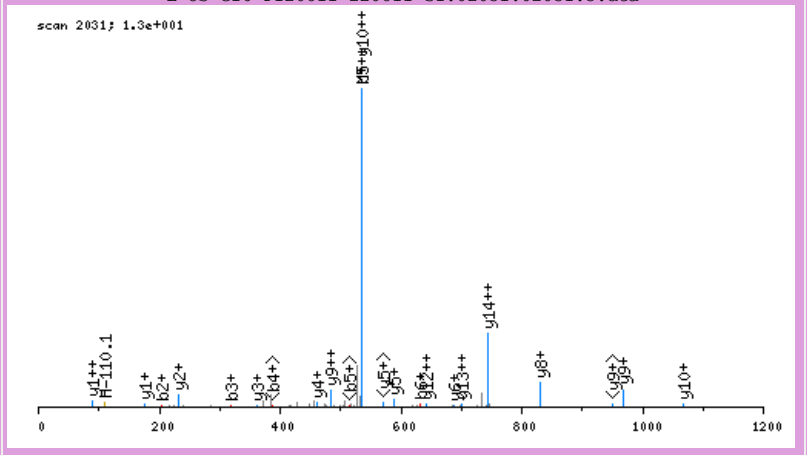


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

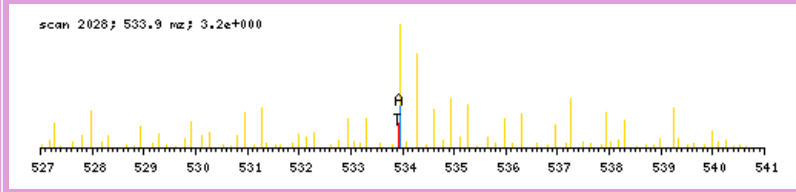
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
203.1032	2	S	12	1196.5217	598.7648
318.1301	3	D	11	1109.4897	555.2488
405.1621	4	S	10	994.4628	497.7353
536.2026	5	M	9	907.4307	454.2193
651.2296	6	D	8	776.3903	388.6990
752.2772	7	T	7	661.3633	331.1856
809.2987	8	G	6	560.3156	280.6617
880.3358	9	A	5	503.2942	252.1510
937.3573	10	G	4	432.2571	216.6324
1024.3893	11	S	3	375.2356	188.1217
1137.4734	12	I	2	288.2036	144.6057
	13	R	1	175.1195	88.0637

N-term:+29.04

SSDSQVHSGVQVEGR, MH+ 1599.7727, m/z 533.9291
L OS G16 P120811 220811-s1.02031.02031.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



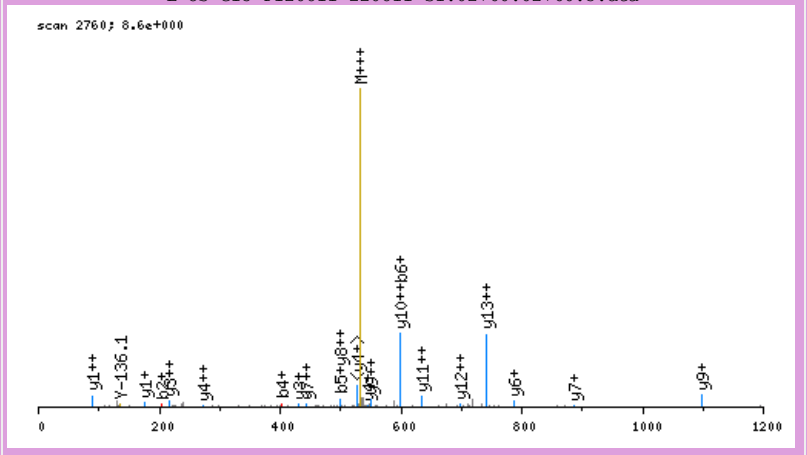
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

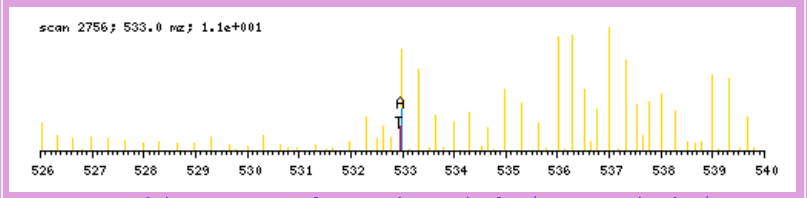
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1484.7094	742.8586
318.1301	3	D	13	1397.6773	699.3426
405.1621	4	S	12	1282.6504	641.8291
533.2207	5	Q	11	1195.6184	598.3131
632.2891	6	V	10	1067.5598	534.2838
769.3480	7	H	9	968.4914	484.7496
856.3801	8	S	8	831.4325	416.2201
913.4015	9	G	7	744.4004	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

SSEAPPLVNEDVKR, MH+ 1596.8597, m/z 532.9581
L OS G15 P120811 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

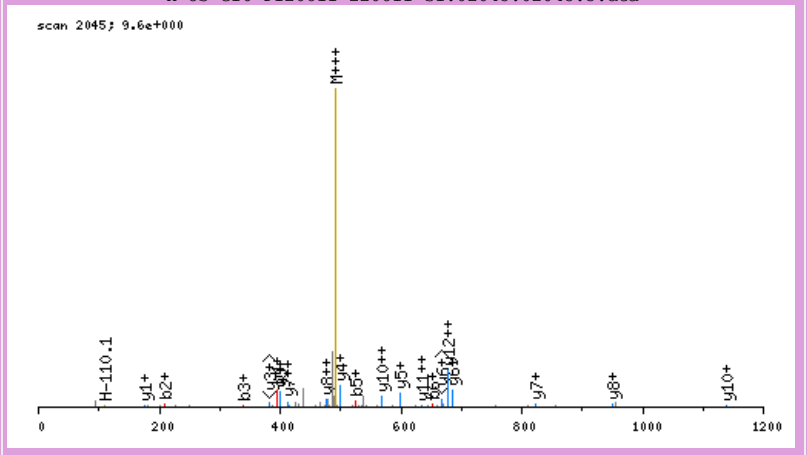
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
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

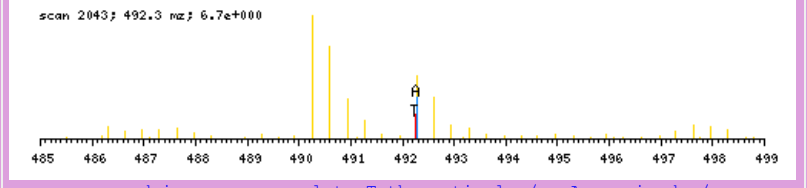
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSEGEEHSVVPQR, MH+ 1474.7350, m/z 492.2498
H OS G16 P120811 220811-s1.02045.02045.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

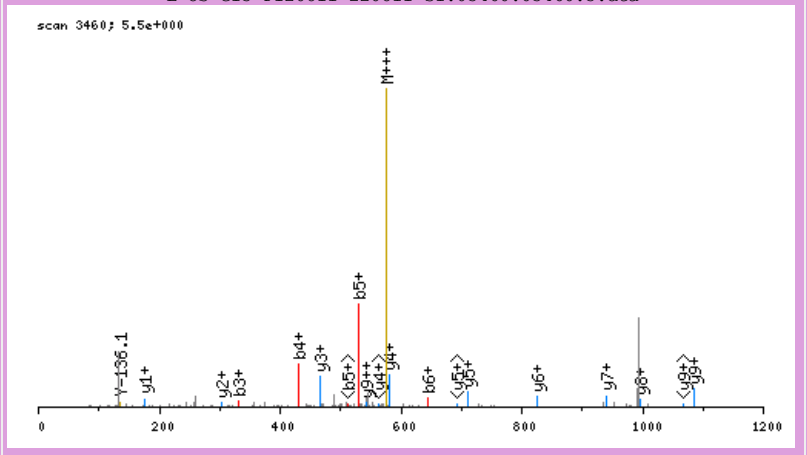


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

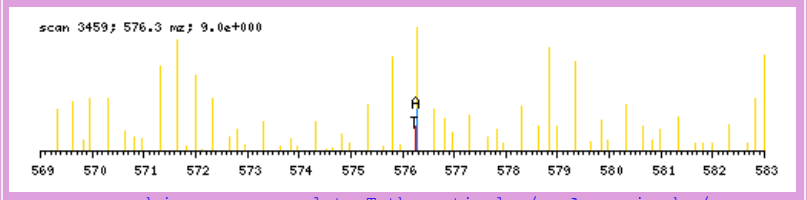
b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	13		
209.1350	2	S	12	1353.6399	**677.3239**
338.1776	3	E	11	1266.6079	**633.8078**
395.1990	4	G	10	**1137.5653**	**569.2865**
524.2416	5	E	9	1080.5438	540.7758
653.2842	6	E	8	**951.5012**	**476.2545**
790.3431	7	H	7	**822.4586**	**411.7332**
877.3751	8	S	6	**685.3997**	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

SSEVVLSGDDEDYQR, MH+ 1726.7771, m/z 576.2639
L OS G13 P120811 220811-s1.03460.03460.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

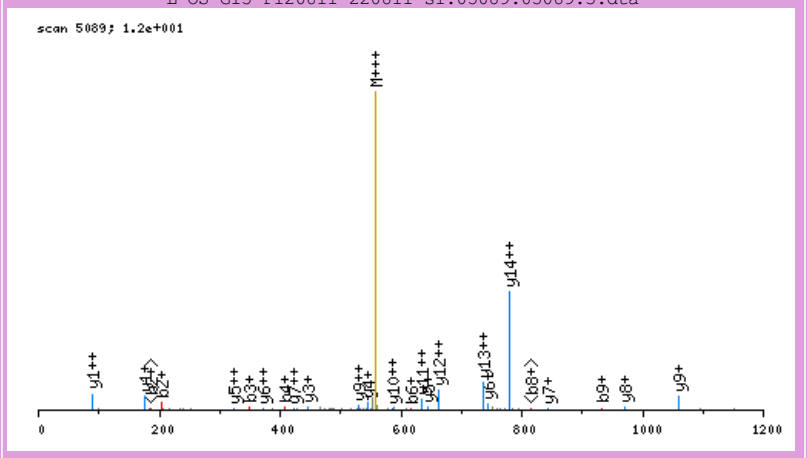
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1611.7138	806.3608
332.1458	3	E	13	1524.6818	762.8448
431.2142	4	V	12	1395.6392	698.3235
530.2826	5	V	11	1296.5708	648.7893
643.3666	6	L	10	1197.5024	599.2551
730.3987	7	S	9	**1084.4183**	**542.7131**
787.4201	8	G	8	**997.3863**	499.1971
902.4471	9	D	7	**940.3648**	470.6863
1017.4740	10	D	6	**825.3379**	413.1729
1146.5166	11	E	5	**710.3109**	355.6594
1261.5436	12	D	4	**581.2683**	291.1381
1424.6069	13	Y	3	**466.2414**	233.6246
1552.6655	14	Q	2	**303.1781**	152.0930
	15	R	1	**175.1195**	88.0637

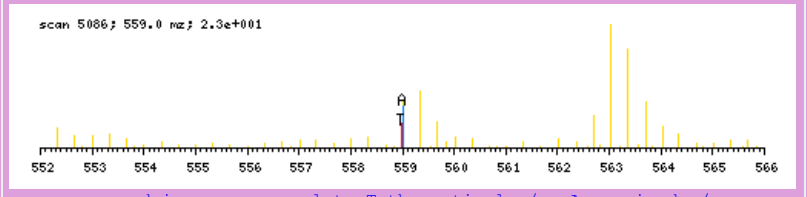
N-term:+29.04

SSFGPISEVVVVKDR, MH+ 1674.9431, m/z 558.9859
L OS G15 P120811 220811-s1.05089.05089.3.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±]



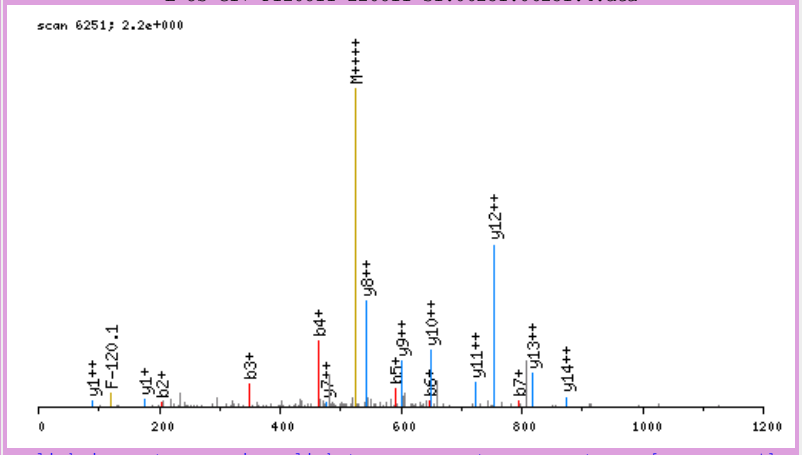
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

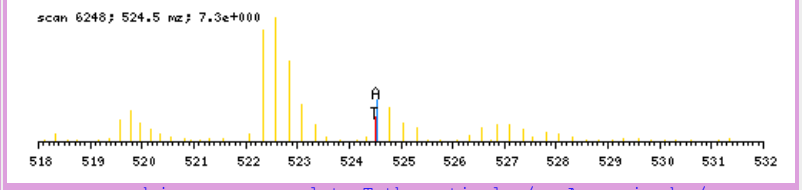
N-term:+29.04 K(13):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSFIQGFVDHVKEDCDR, MH+ 2094.9918, m/z 524.5034
L OS G17 P120811 220811-s1.06251.06251.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



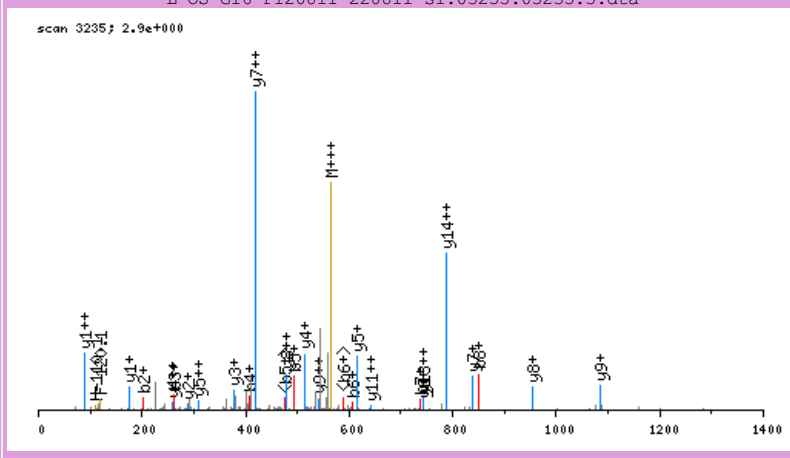
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	17		
203.1032	2	S	16	1979.9285	990.4682
350.1716	3	F	15	1892.8965	946.9522
463.2556	4	I	14	1745.8281	873.4180
591.3142	5	Q	13	1632.7440	816.8759
648.3357	6	G	12	1504.6854	752.8466
795.4041	7	F	11	1447.6640	724.3359
894.4725	8	V	10	1300.5956	650.8017
1009.4994	9	D	9	1201.5271	601.2675
1146.5584	10	H	8	1086.5002	543.7540
1245.6268	11	V	7	949.4413	475.2246
1401.7531	12	K	6	850.3729	425.6904
1530.7957	13	E	5	694.2466	347.6272
1645.8226	14	D	4	565.2040	283.1059
1805.8532	15	C	3	450.1770	225.5924
1920.8802	16	D	2	290.1464	145.5771
	17	R	1	175.1195	88.0637

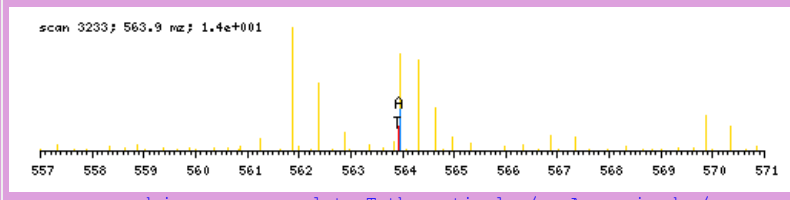
N-term:+29.04 K(12):+156.13
C(15):+160.03

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

SSGFSLEDPQTHSNR, MH+ 1689.7832, m/z 563.9326
L OS G16 P120811 220811-s1.03235.03235.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



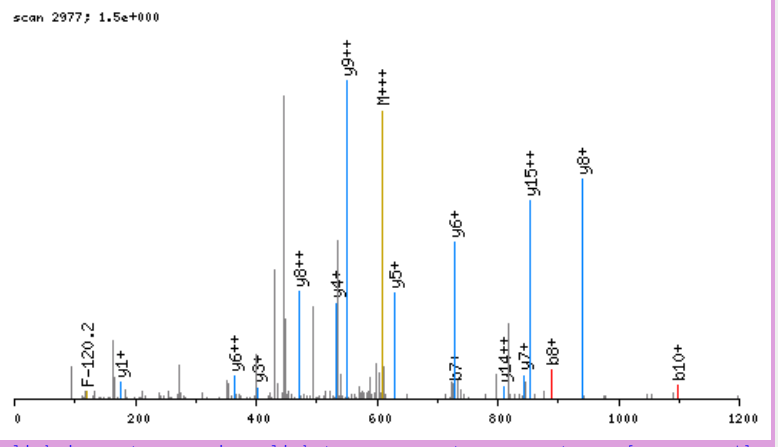
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	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

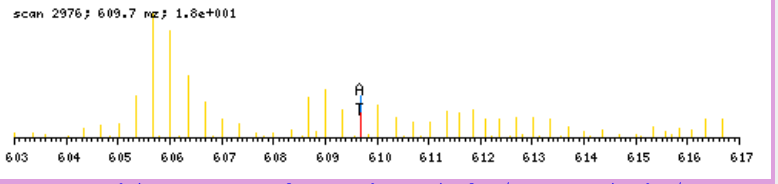
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SSGKDGQCPLVVEQVR, MH+ 1827.0070, m/z 609.6739
H OS G15 P120811 220811-s1.02977.02977.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



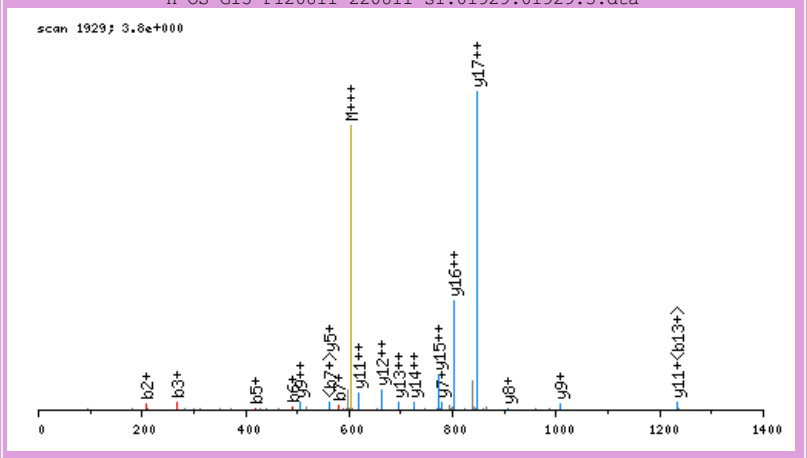
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	16		
209.1350	2	S	15	1705.9119	**853.4599**
266.1564	3	G	14	1618.8799	**809.9439**
428.3145	4	K	13	1561.8584	781.4331
543.3415	5	D	12	1399.7003	700.3541
600.3629	6	G	11	1284.6734	642.8406
728.4215	7	Q	10	1227.6519	614.3299
888.4521	8	C	9	1099.5933	**550.3006**
985.5049	9	P	8	**939.5627**	**470.2853**
1098.5889	10	L	7	**842.5100**	421.7589
1197.6573	11	V	6	**729.4259**	**365.2169**
1296.7258	12	V	5	**630.3575**	315.6827
1425.7684	13	E	4	**531.2891**	266.1485
1553.8269	14	Q	3	**402.2465**	201.6272
1652.8953	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

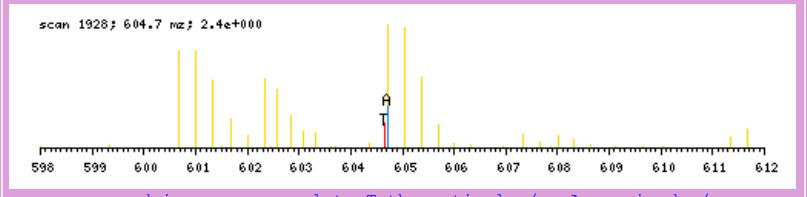
N-term:+35.07 K(4):+162.16
C(8):+160.03

SSGPGASPETQGKANVTR, MH+ 1811.9888, m/z 604.6678
H OS G15 P120811 220811-s1.01929.01929.3.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±]



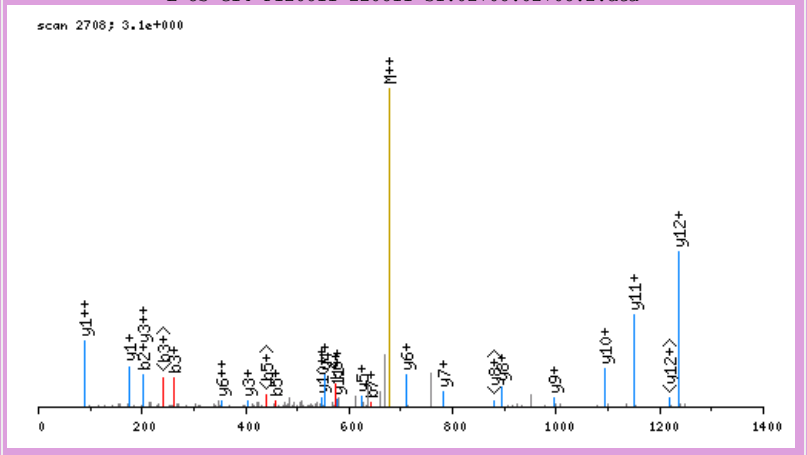
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	18		
209.1350	2	S	17	1690.8937	845.9507
266.1564	3	G	16	1603.8616	802.4347
363.2092	4	P	15	1546.8402	773.9240
420.2306	5	G	14	1449.7874	725.3976
491.2678	6	A	13	1392.7660	696.8869
578.2998	7	S	12	1321.7288	661.3683
675.3526	8	P	11	1234.6968	617.8523
804.3951	9	E	10	1137.6440	569.3259
905.4428	10	T	9	1008.6015	504.8046
1033.5014	11	Q	8	907.5538	454.2808
1090.5229	12	G	7	779.4952	390.2515
1252.6810	13	K	6	722.4737	361.7408
1323.7181	14	A	5	560.3156	280.6617
1437.7610	15	N	4	489.2785	245.1432
1536.8294	16	V	3	375.2356	188.1217
1637.8771	17	T	2	276.1672	138.5875
	18	R	1	175.1195	88.0637

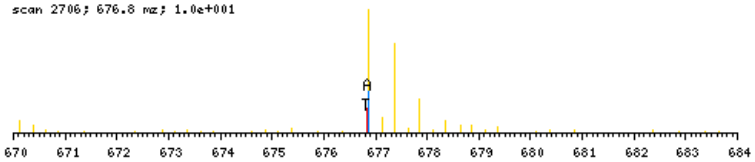
N-term:+35.07 K(13):+162.16

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

SSGPTNASAFTER, MH+ 1352.6446, m/z 676.8259
L OS G14 P120811 220811-s1.02708.02708.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



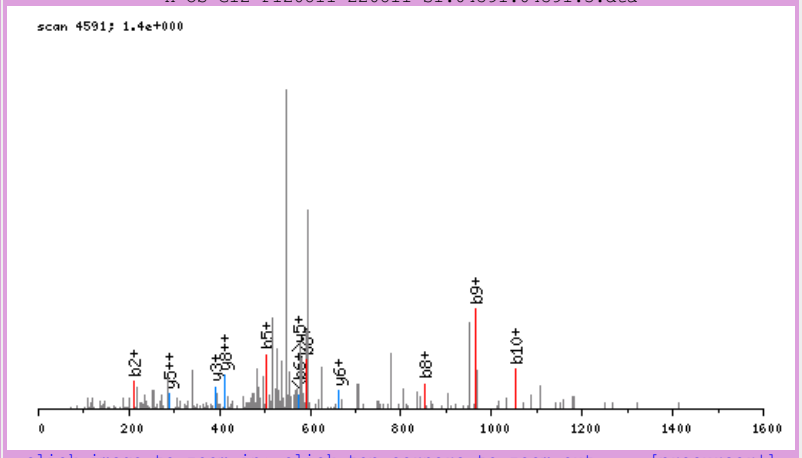
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
203.1032	2	S	12	1237.5813	619.2946
260.1246	3	G	11	1150.5493	575.7786
357.1774	4	P	10	1093.5278	547.2678
458.2251	5	T	9	996.4750	498.7414
572.2680	6	N	8	895.4274	448.2176
643.3051	7	A	7	781.3844	391.1961
730.3371	8	S	6	710.3473	355.6776
801.3742	9	A	5	623.3153	312.1616
948.4427	10	F	4	552.2782	276.6430
1049.4903	11	T	3	405.2098	203.1088
1178.5329	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

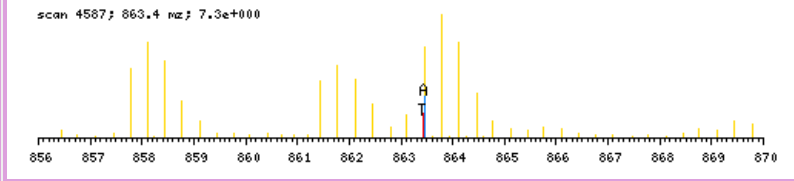
N-term:+29.04

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

SSHASSPYISSVQSYPGSASLAQSR, MH+ 2588.2805, m/z 863.4317
H OS G12 P120811 220811-s1.04591.04591.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



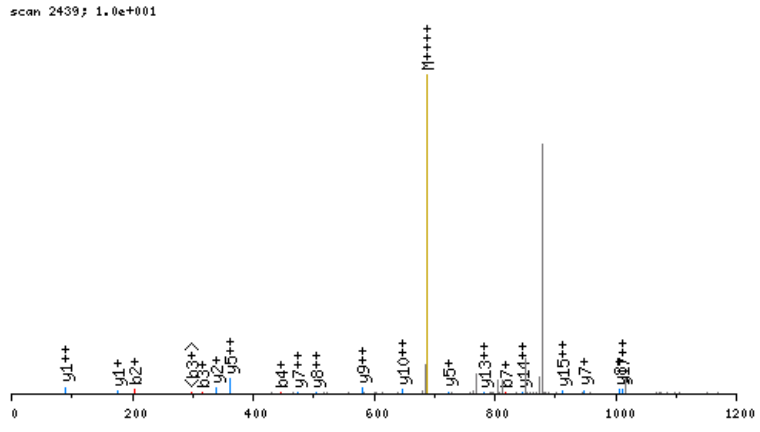
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

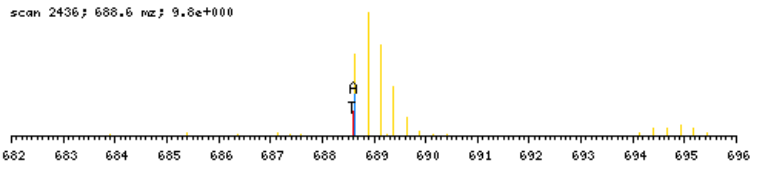
N-term:+35.07

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

SSIEQKSNEEGSEEKGPEVKEYR, MH+ 2751.3689, m/z 688.5977
L OS G18 P120811 220811-s1.02439.02439.4.dta



click image to zoom in; click top corners to zoom out [precursor±]

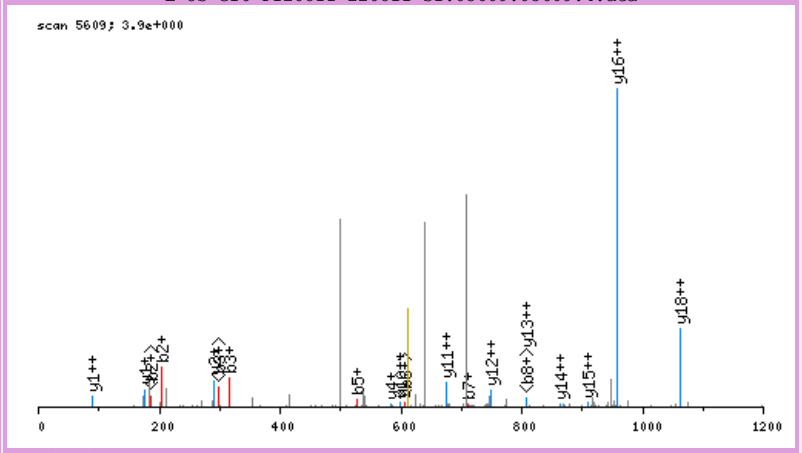


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

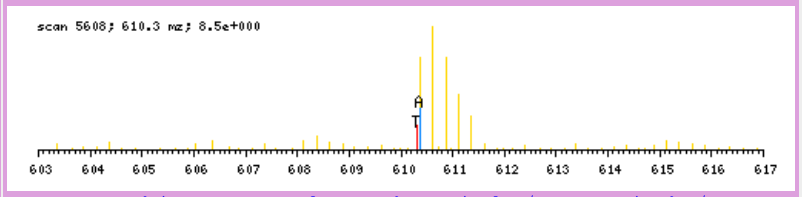
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	23		
203.1032	2	S	22	2636.3056	1318.6567
316.1872	3	I	21	2549.2736	1275.1407
445.2298	4	E	20	2436.1895	1218.5987
573.2884	5	Q	19	2307.1470	1154.0774
729.4147	6	K	18	2179.0884	1090.0481
816.4467	7	S	17	2022.9621	**1011.9850**
930.4896	8	N	16	1935.9300	968.4689
1059.5322	9	E	15	1821.8871	**911.4475**
1188.5748	10	E	14	1692.8445	**846.9262**
1245.5963	11	G	13	1563.8019	**782.4049**
1332.6283	12	S	12	1506.7805	753.8941
1461.6709	13	E	11	1419.7484	710.3781
1590.7135	14	E	10	1290.7059	**645.8568**
1746.8398	15	K	9	1161.6633	**581.3355**
1803.8613	16	G	8	**1005.5370**	**503.2724**
1900.9140	17	P	7	**948.5155**	**474.7617**
2029.9566	18	E	6	851.4627	426.2353
2129.0250	19	V	5	**722.4201**	**361.7140**
2285.1513	20	K	4	623.3517	312.1798
2414.1939	21	E	3	467.2254	234.1166
2577.2573	22	Y	2	**338.1828**	169.5953
	23	R	1	**175.1195**	**88.0637**

N-term:+29.04 K(6):+156.13
K(15):+156.13 K(20):+156.13

SSIPLPSDDFKSTGIKVYEDR, MH+ 2438.2819, m/z 610.3259
L OS G16 P120811 220811-s1.05609.05609.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

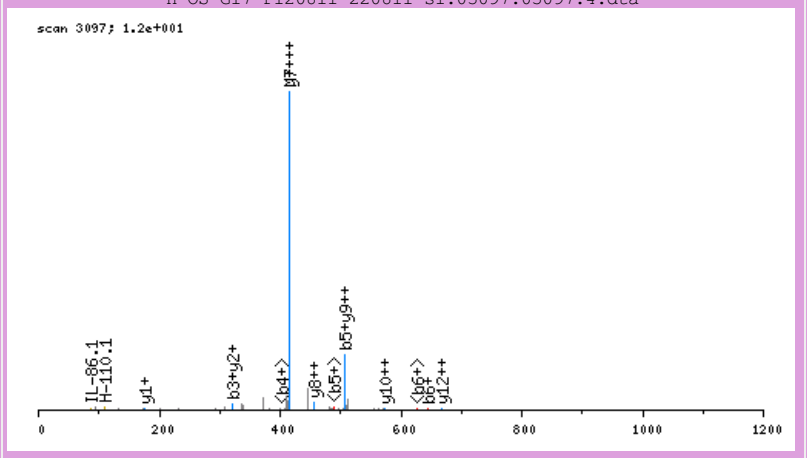
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	21		
203.1032	2	S	20	2323.2186	1162.1132
316.1872	3	I	19	2236.1866	1118.5972
413.2400	4	P	18	2123.1025	**1062.0552**
526.3240	5	L	17	2026.0498	1013.5288
623.3768	6	P	16	1912.9657	**956.9868**
710.4088	7	S	15	1815.9129	**908.4604**
825.4358	8	D	14	1728.8809	**864.9444**
940.4627	9	D	13	1613.8540	**807.4309**
1087.5311	10	F	12	1498.8270	**749.9174**
1243.6574	11	K	11	1351.7586	**676.3832**
1330.6895	12	S	10	1195.6323	**598.3201**
1431.7371	13	T	9	1108.6003	554.8041
1488.7586	14	G	8	1007.5526	504.2802
1601.8427	15	I	7	950.5311	475.7695
1757.9690	16	K	6	837.4471	419.2275
1857.0374	17	V	5	681.3208	341.1643
2020.1007	18	Y	4	**582.2524**	291.6301
2149.1433	19	E	3	419.1890	210.0984
2264.1703	20	D	2	**290.1464**	145.5771
	21	R	1	**175.1195**	**88.0637**

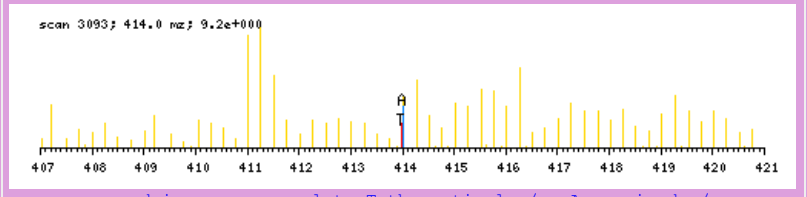
N-term:+29.04 K(11):+156.13
K(16):+156.13

SSIPSHPSTAGKIFR, MH+ 1652.9760, m/z 413.9995
H OS G17 P120811 220811-s1.03097.03097.4.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±]



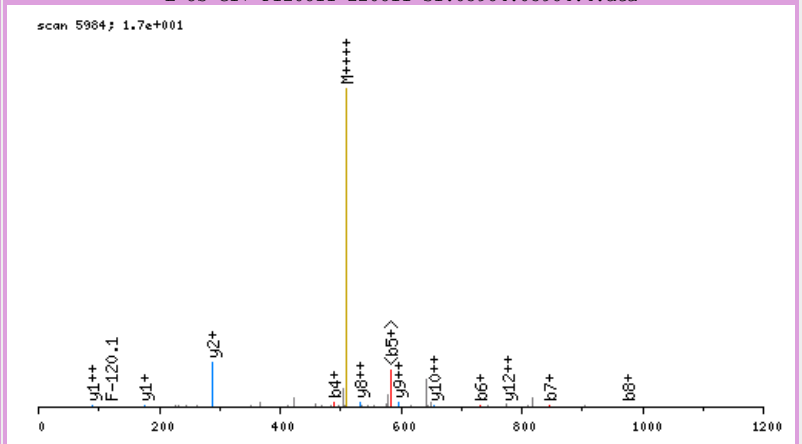
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	15		
209.1350	2	S	14	1531.8809	766.4444
322.2190	3	I	13	1444.8489	722.9284
419.2718	4	P	12	1331.7648	**666.3863**
506.3038	5	S	11	1234.7121	617.8599
643.3627	6	H	10	1147.6800	**574.3439**
740.4155	7	P	9	1010.6211	**505.8145**
827.4475	8	S	8	913.5684	**457.2881**
928.4952	9	T	7	826.5363	**413.7721**
999.5323	10	A	6	725.4887	363.2482
1056.5538	11	G	5	654.4515	327.7297
1218.7119	12	K	4	597.4301	299.2190
1331.7959	13	I	3	435.2720	218.1399
1478.8644	14	F	2	**322.1879**	161.5979
	15	R	1	**175.1195**	88.0637

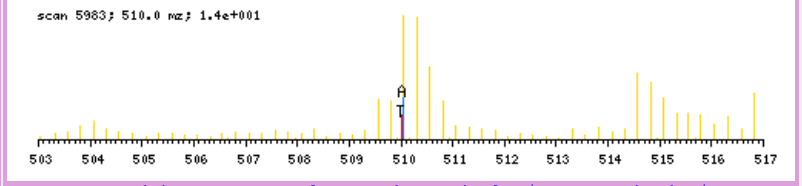
N-term:+35.07 K(12):+162.16

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

SSKELEDMNQKLFDLR, MH+ 2037.0691, m/z 510.0227
L OS G17 P120811 220811-s1.05984.05984.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



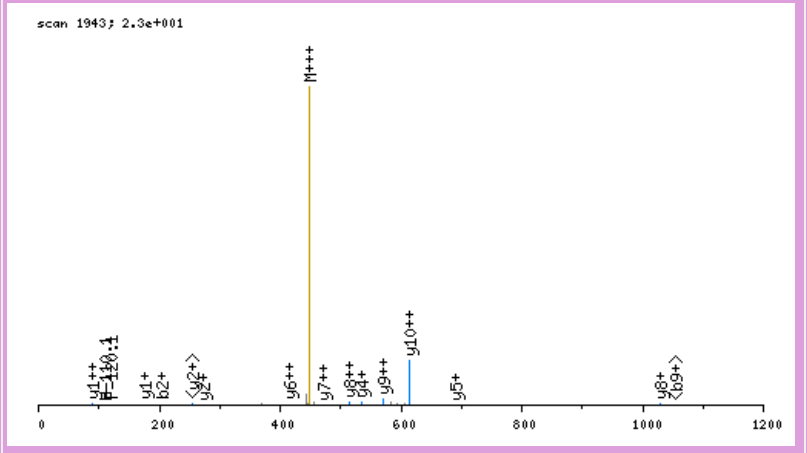
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
203.1032	2	S	15	1922.0058	961.5068
359.2295	3	K	14	1834.9738	917.9908
488.2721	4	E	13	1678.8475	839.9276
601.3561	5	L	12	1549.8049	**775.4064**
730.3987	6	E	11	1436.7208	718.8643
845.4257	7	D	10	1307.6782	**654.3430**
976.4661	8	M	9	1192.6513	**596.8296**
1090.5091	9	N	8	1061.6108	**531.3093**
1218.5676	10	Q	7	947.5679	474.2878
1374.6939	11	K	6	819.5093	410.2586
1487.7780	12	L	5	663.3830	332.1954
1634.8464	13	F	4	550.2989	275.6534
1749.8734	14	D	3	403.2305	202.1192
1862.9574	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	**88.0637**

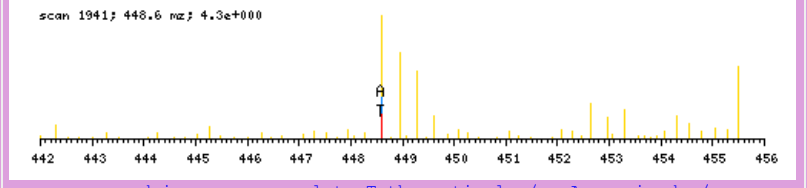
N-term:+29.04 K(3):+156.13
K(11):+156.13

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

SSLSNHKYVPR, MH+ 1343.7436, m/z 448.5860
L OS G18 P120811 220811-s1.01943.01943.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



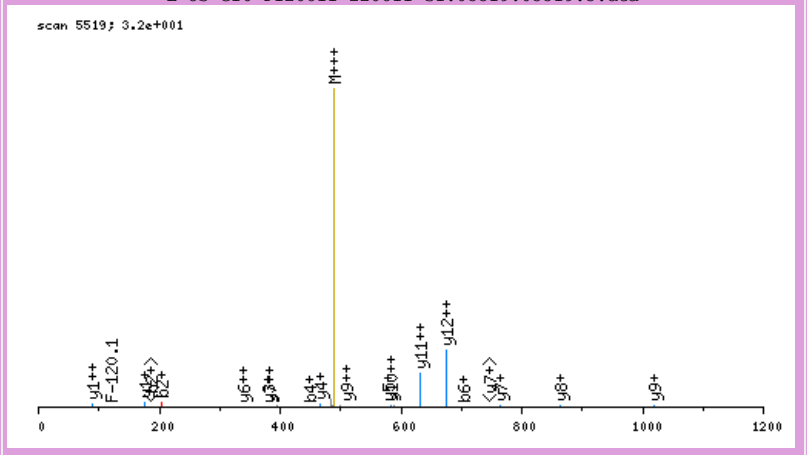
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
203.1032	2	S	10	1228.6803	614.8440
316.1872	3	L	9	1141.6482	571.3280
403.2192	4	S	8	1028.5642	514.7860
517.2622	5	N	7	941.5321	471.2700
654.3211	6	H	6	827.4892	414.2485
810.4474	7	K	5	690.4303	345.7191
973.5107	8	Y	4	534.3040	267.6559
1072.5791	9	V	3	371.2407	186.1243
1169.6319	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

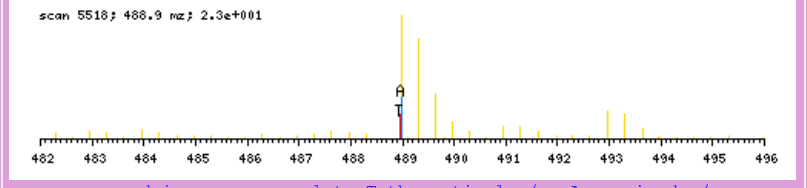
N-term:+29.04 K(7):+156.13

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

SSPFKVSPLSFGR, MH+ 1464.8215, m/z 488.9453
L OS G16 P120811 220811-s1.05519.05519.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



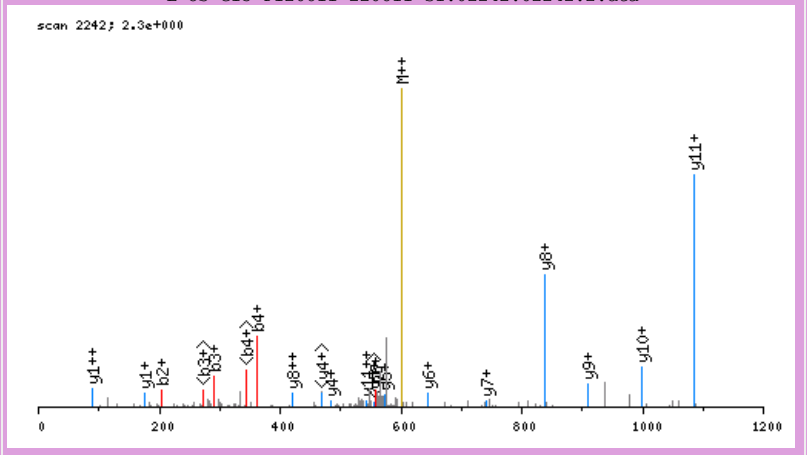
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

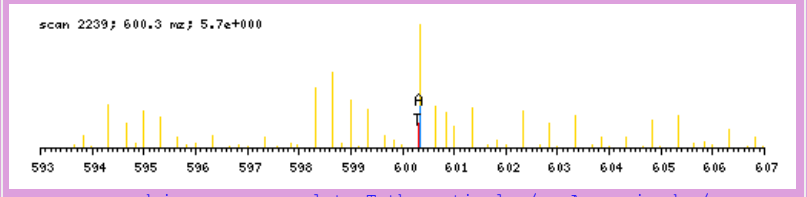
N-term:+29.04 K(5):+156.13

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

SSSAPVASPNVR, MH+ 1199.6384, m/z 600.3228
L OS G13 P120811 220811-s1.02242.02242.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



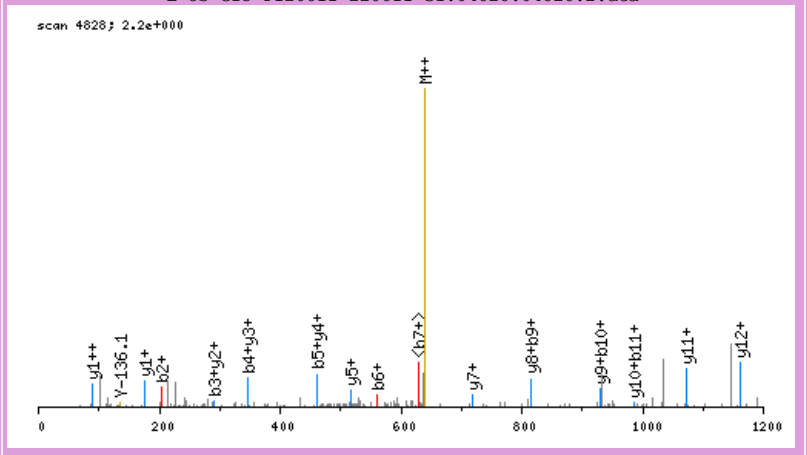
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
203.1032	2	S	11	1084.5751	542.7915
290.1352	3	S	10	997.5431	499.2754
361.1723	4	A	9	910.5110	455.7594
458.2251	5	P	8	839.4739	420.2409
557.2935	6	V	7	742.4212	371.7145
628.3306	7	A	6	643.3527	322.1803
715.3626	8	S	5	572.3156	286.6617
812.4154	9	P	4	485.2836	243.1457
926.4583	10	N	3	388.2308	194.6193
1025.5267	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

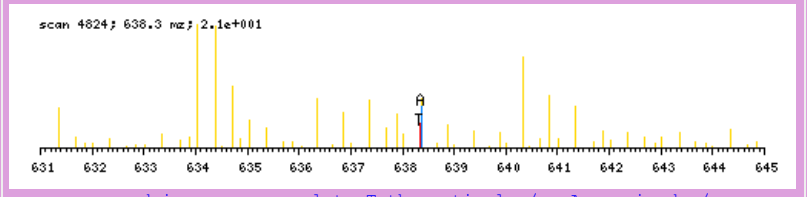
N-term:+29.04

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

SSSGIVSLGIGDR, MH+ 1275.6908, m/z 638.3491
L OS G13 P120811 220811-s1.04828.04828.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



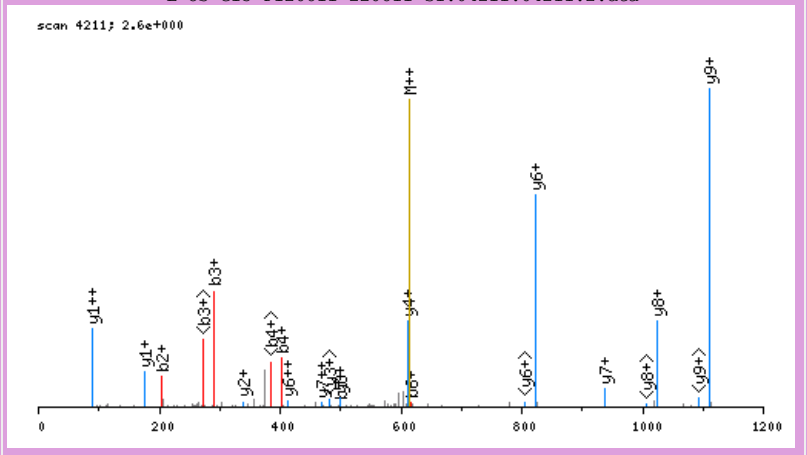
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	13		
203.1032	2	S	12	1160.6275	580.8177
290.1352	3	S	11	1073.5955	537.3017
347.1566	4	G	10	986.5635	493.7856
460.2407	5	I	9	929.5420	465.2749
559.3091	6	V	8	816.4579	408.7329
646.3412	7	S	7	717.3895	359.1987
759.4252	8	L	6	630.3575	315.6827
816.4467	9	G	5	517.2734	259.1406
929.5307	10	I	4	460.2520	230.6299
986.5522	11	G	3	347.1679	174.0879
1101.5792	12	D	2	290.1464	145.5771
	13	R	1	175.1195	88.0637

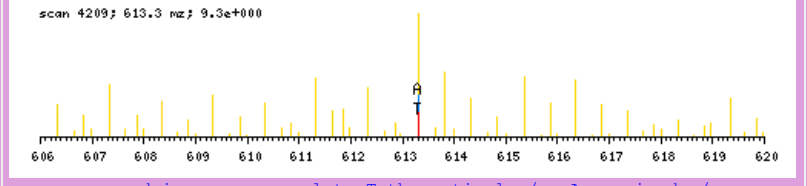
N-term:+29.04

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

SSSLPDICYR, MH+ 1225.5886, m/z 613.2980
L OS G13 P120811 220811-s1.04211.04211.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



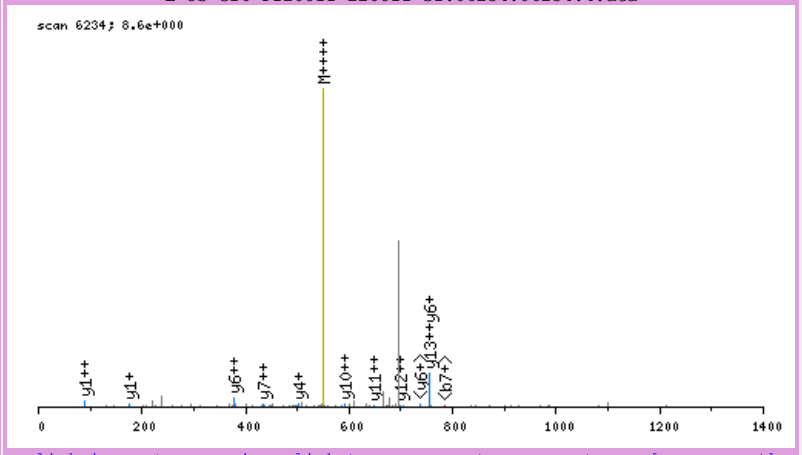
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

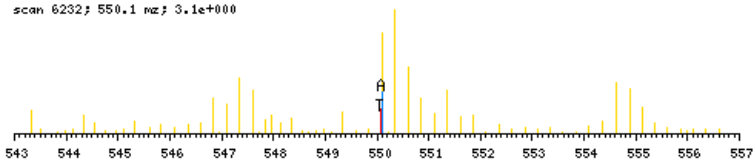
N-term:+29.04 C(8):+160.03

SSTNLKDVLSNLIPKEQAR, MH+ 2197.2557, m/z 550.0694
L OS G16 P120811 220811-s1.06234.06234.4.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±]



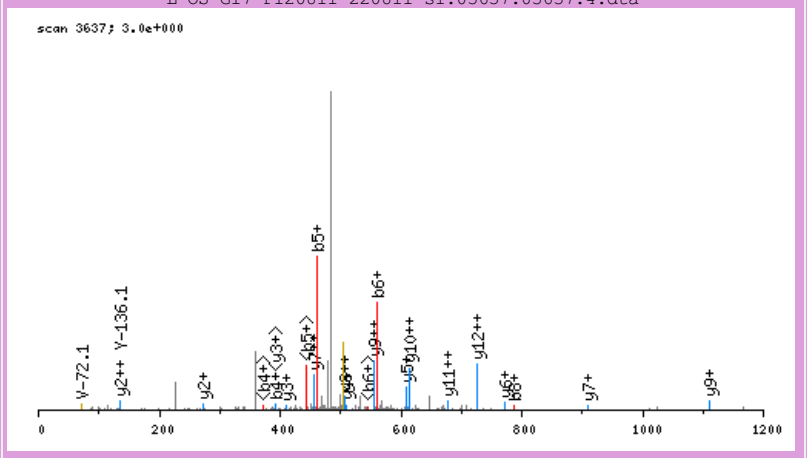
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	19		
203.1032	2	S	18	2082.1924	1041.6001
304.1508	3	T	17	1995.1603	998.0841
418.1938	4	N	16	1894.1126	947.5602
531.2778	5	L	15	1780.0697	890.5388
687.4041	6	K	14	1666.9857	833.9967
802.4311	7	D	13	1510.8594	**755.9336**
901.4995	8	V	12	1395.8324	**698.4201**
1014.5835	9	L	11	1296.7640	**648.8859**
1101.6156	10	S	10	1183.6799	**592.3439**
1215.6585	11	N	9	1096.6479	548.8279
1328.7426	12	L	8	982.6050	491.8064
1441.8266	13	I	7	869.5209	**435.2644**
1538.8794	14	P	6	**756.4368**	**378.7223**
1695.0057	15	K	5	659.3841	330.1960
1824.0483	16	E	4	**503.2578**	252.1328
1952.1069	17	Q	3	374.2152	187.6115
2023.1440	18	A	2	246.1566	123.5822
	19	R	1	**175.1195**	**88.0637**

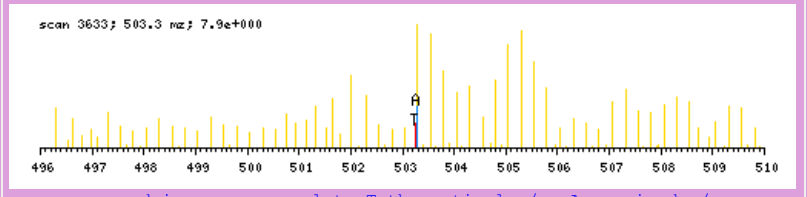
N-term:+29.04 K(6):+156.13
K(15):+156.13

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

SSTSAVPQITTHYTVHPR, MH+ 2010.0408, m/z 503.2657
L OS G17 P120811 220811-s1.03637.03637.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



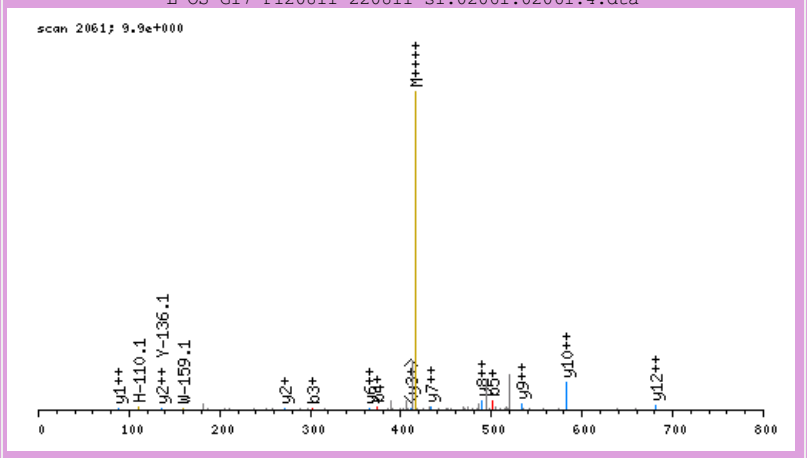
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
203.1032	2	S	17	1894.9775	947.9927
304.1508	3	T	16	1807.9455	904.4767
391.1829	4	S	15	1706.8978	853.9528
462.2200	5	A	14	1619.8658	810.4368
561.2884	6	V	13	1548.8287	774.9183
658.3412	7	P	12	1449.7603	**725.3840**
786.3997	8	Q	11	1352.7075	**676.8577**
899.4838	9	I	10	1224.6489	**612.8284**
1000.5315	10	T	9	**1111.5649**	**556.2863**
1101.5792	11	T	8	1010.5172	**505.7625**
1238.6381	12	H	7	**909.4695**	**455.2387**
1401.7014	13	Y	6	**772.4106**	386.7092
1502.7491	14	T	5	**609.3473**	305.1775
1601.8175	15	V	4	**508.2996**	254.6537
1738.8764	16	H	3	**409.2312**	205.1195
1835.9292	17	P	2	**272.1723**	**136.5900**
	18	R	1	175.1195	88.0637

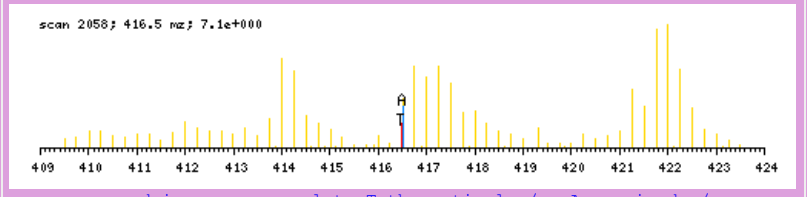
N-term:+29.04

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

SSVAQPSLHTAQKPR, MH+ 1662.9291, m/z 416.4877
L OS G17 P120811 220811-s1.02061.02061.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



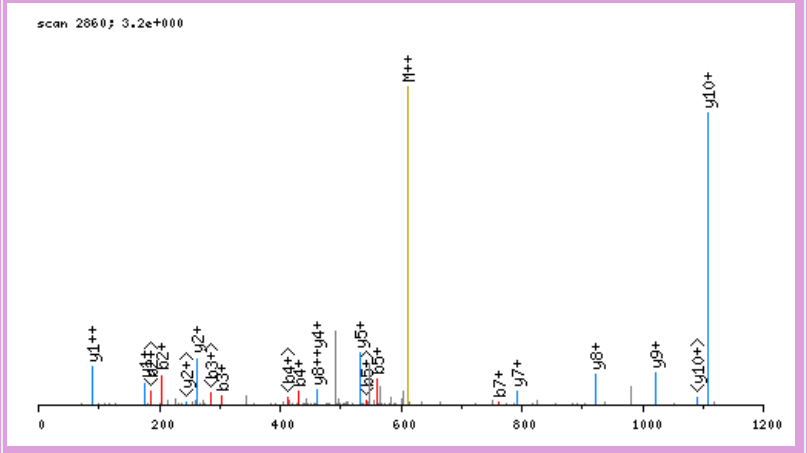
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1547.8658	774.4368
302.1716	3	V	13	1460.8338	730.9208
373.2087	4	A	12	1361.7654	**681.3866**
501.2673	5	Q	11	1290.7283	645.8681
598.3200	6	P	10	1162.6697	**581.8388**
685.3521	7	S	9	1065.6169	**533.3124**
798.4361	8	L	8	978.5849	**489.7964**
935.4950	9	H	7	865.5008	**433.2543**
1036.5427	10	T	6	728.4419	**364.7249**
1107.5798	11	A	5	627.3943	314.2010
1235.6384	12	Q	4	556.3571	278.6825
1391.7647	13	K	3	428.2986	214.6532
1488.8175	14	P	2	**272.1723**	**136.5900**
	15	R	1	175.1195	**88.0637**

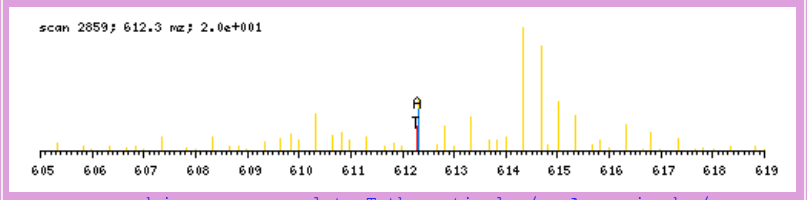
N-term:+29.04 K(13):+156.13

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

SSVEEMAAESR, MH+ 1223.5578, m/z 612.2825
L OS G13 P120811 220811-s1.02860.02860.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



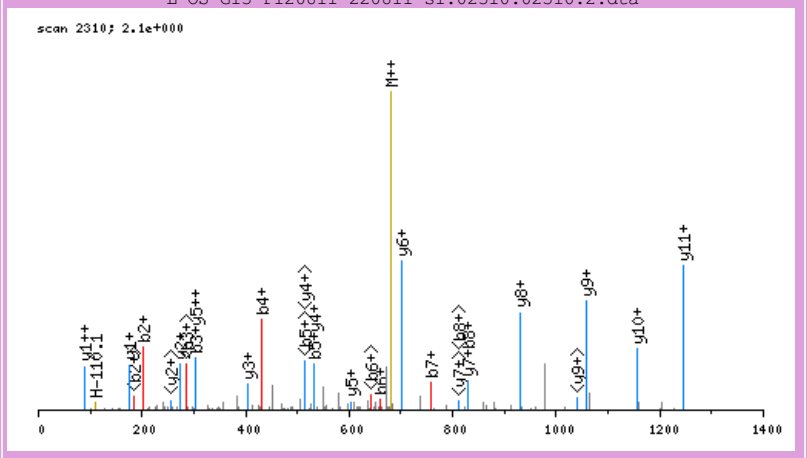
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
203.1032	2	S	10	1108.4945	554.7511
302.1716	3	V	9	1021.4624	511.2351
431.2142	4	E	8	922.3940	461.7009
560.2568	5	E	7	793.3514	397.1796
691.2972	6	M	6	664.3088	332.6583
762.3344	7	A	5	533.2683	267.1381
833.3715	8	A	4	462.2312	231.6195
962.4141	9	E	3	391.1941	196.1010
1049.4461	10	S	2	262.1515	131.5797
	11	R	1	175.1195	88.0637

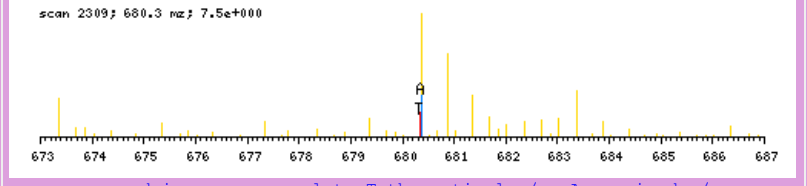
N-term:+29.04

SSVETQPAEEVR, MH+ 1359.6756, m/z 680.3414
L OS G13 P120811 220811-s1.02310.02310.2.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±]



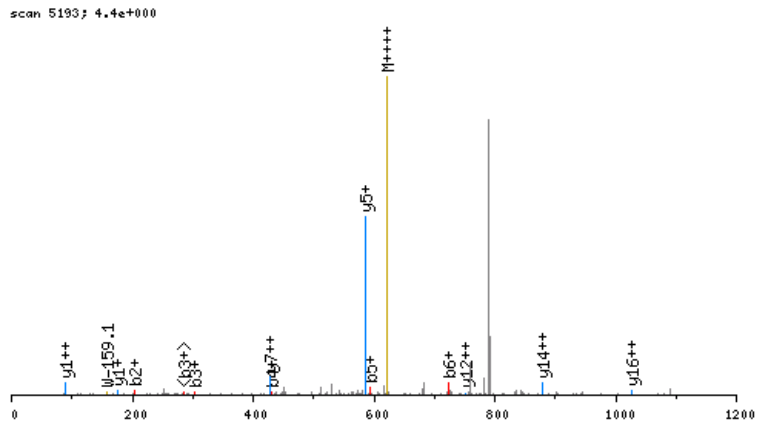
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
203.1032	2	S	11	1244.6123	622.8100
302.1716	3	V	10	1157.5802	579.2940
431.2142	4	E	9	1058.5118	529.7598
532.2618	5	T	8	929.4692	465.2385
660.3204	6	Q	7	828.4216	414.7147
757.3732	7	P	6	700.3630	350.6854
828.4103	8	A	5	603.3102	302.1590
957.4529	9	E	4	532.2731	266.6405
1086.4955	10	E	3	403.2305	202.1192
1185.5639	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

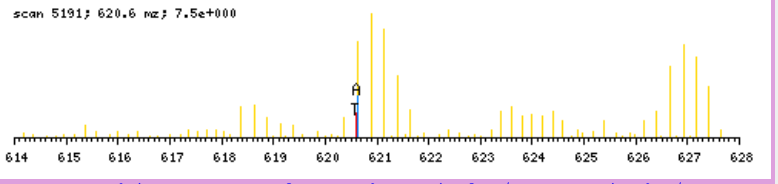
N-term:+29.04

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

SSVEYEPKEKTFDKILIANR, MH+ 2479.3813, m/z 620.6008
L OS G18 P120811 220811-s1.05193.05193.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



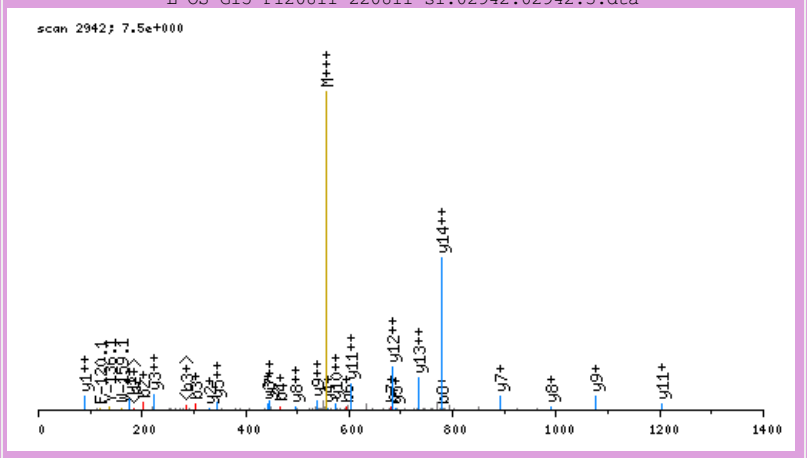
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
203.1032	2	S	19	2364.3180	1182.6629
302.1716	3	V	18	2277.2860	1139.1469
431.2142	4	E	17	2178.2175	1089.6127
594.2775	5	Y	16	2049.1749	**1025.0914**
723.3201	6	E	15	1886.1116	943.5597
820.3728	7	P	14	1757.0690	**879.0384**
976.4991	8	K	13	1660.0163	830.5120
1105.5417	9	E	12	1503.8900	**752.4489**
1261.6680	10	K	11	1374.8474	687.9276
1362.7157	11	T	10	1218.7211	609.8644
1509.7841	12	F	9	1117.6734	559.3406
1624.8111	13	D	8	970.6050	485.8064
1780.9374	14	K	7	855.5780	**428.2929**
1894.0214	15	I	6	699.4517	350.2298
2007.1055	16	L	5	**586.3677**	293.6877
2120.1896	17	I	4	473.2836	237.1457
2191.2267	18	A	3	360.1995	180.6037
2305.2696	19	N	2	289.1624	145.0851
	20	R	1	**175.1195**	**88.0637**

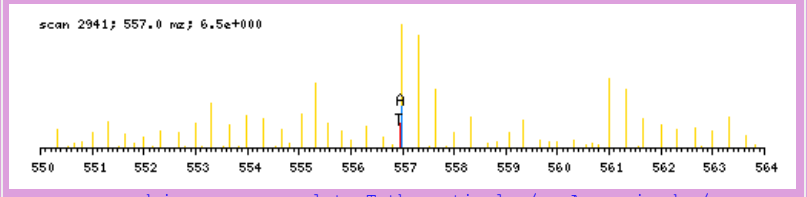
N-term:+29.04 K(8):+156.13
K(10):+156.13 K(14):+156.13

SSVYGASVSDEDLKR, MH+ 1668.8445, m/z 556.9530
L OS G15 P120811 220811-s1.02942.02942.3.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±]



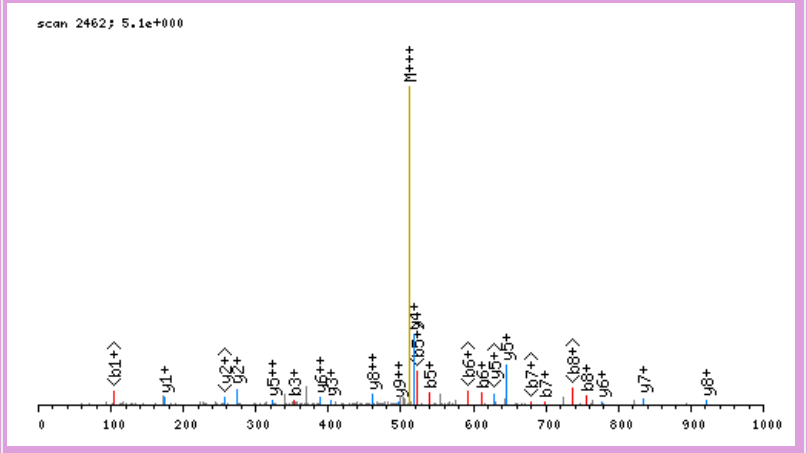
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
203.1032	2	S	14	1553.7812	777.3945
302.1716	3	V	13	1466.7491	733.8785
465.2349	4	Y	12	1367.6807	684.3443
522.2564	5	G	11	1204.6174	602.8126
593.2935	6	A	10	1147.5959	574.3019
680.3255	7	S	9	1076.5588	538.7833
779.3939	8	V	8	989.5268	495.2673
866.4259	9	S	7	890.4584	445.7331
981.4529	10	D	6	803.4263	402.2171
1110.4955	11	E	5	688.3994	344.7036
1225.5224	12	D	4	559.3568	280.1823
1338.6065	13	L	3	444.3299	222.6688
1494.7328	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

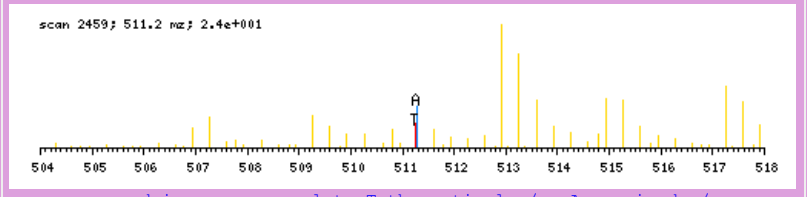
N-term:+29.04 K(14):+156.13

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

STESTASGMQDEVR, MH+ 1531.7122, m/z 511.2423
H OS G13 P120811 220811-s1.02462.02462.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



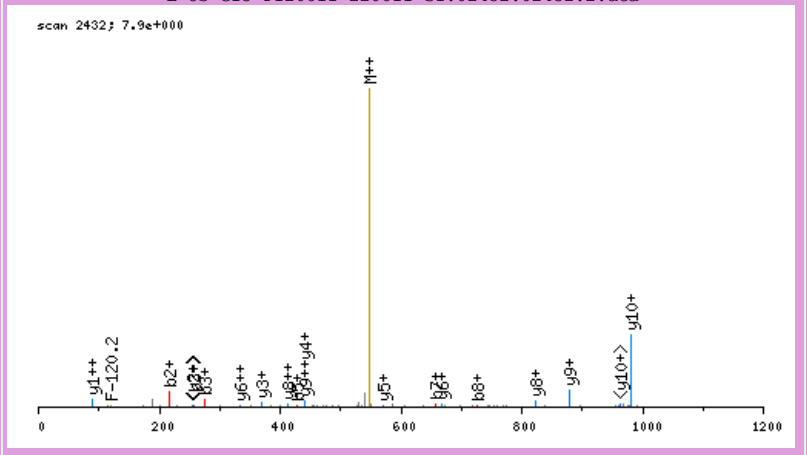
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
223.1506	2	T	13	1410.6171	705.8125
352.1932	3	E	12	1309.5694	655.2886
439.2252	4	S	11	1180.5268	590.7673
540.2729	5	T	10	1093.4948	547.2513
611.3100	6	A	9	992.4471	**496.7275**
698.3420	7	S	8	**921.4100**	**461.2089**
755.3635	8	G	7	**834.3780**	417.6929
886.4040	9	M	6	**777.3565**	**389.1822**
1014.4626	10	Q	5	**646.3160**	**323.6619**
1129.4895	11	D	4	**518.2575**	259.6326
1258.5321	12	E	3	**403.2305**	202.1192
1357.6005	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	88.0637

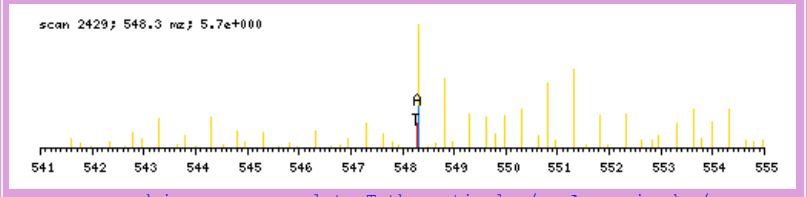
N-term:+35.07

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

STGPGPMAPPR, MH+ 1095.5621, m/z 548.2847
L OS G13 P120811 220811-s1.02432.02432.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



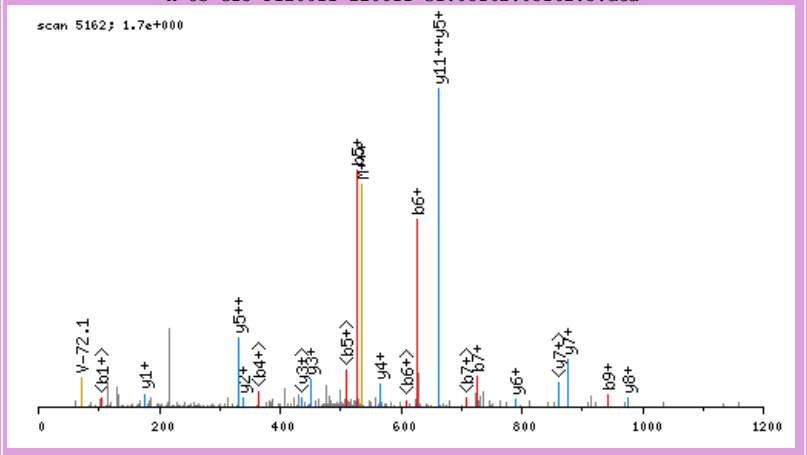
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
217.1188	2	T	10	980.4988	490.7533
274.1403	3	G	9	879.4511	440.2295
371.1930	4	P	8	822.4296	411.7187
428.2145	5	G	7	725.3769	363.1923
525.2673	6	P	6	668.3554	334.6816
656.3077	7	M	5	571.3026	286.1552
727.3449	8	A	4	440.2621	220.6350
824.3976	9	P	3	369.2250	185.1164
921.4504	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

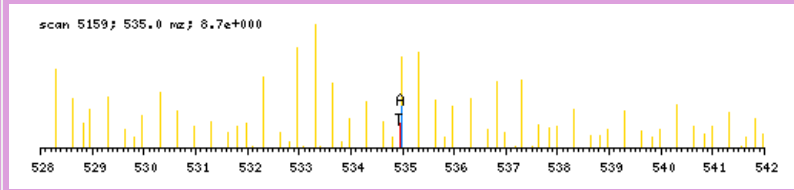
N-term:+29.04

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

STGTFVVSQPLNYR, MH+ 1602.8704, m/z 534.9616
H OS G13 P120811 220811-s1.05162.05162.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



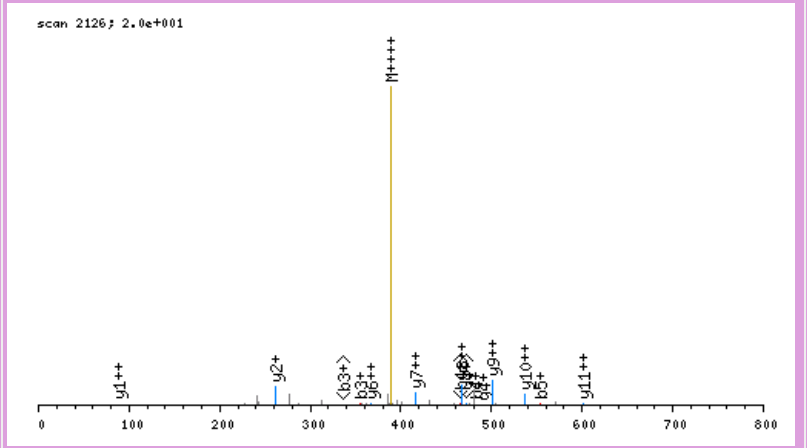
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	14		
223.1506	2	T	13	1481.7753	741.3915
280.1721	3	G	12	1380.7276	690.8677
381.2197	4	T	11	1323.7061	**662.3570**
528.2882	5	F	10	1222.6584	611.8331
627.3566	6	V	9	1075.5900	538.2989
726.4250	7	V	8	**976.5216**	488.7647
813.4570	8	S	7	**877.4532**	439.2305
941.5156	9	Q	6	**790.4212**	395.7145
1038.5684	10	P	5	**662.3626**	**331.6852**
1151.6524	11	L	4	**565.3098**	283.1588
1265.6954	12	N	3	**452.2258**	226.6168
1428.7587	13	Y	2	**338.1828**	169.5953
	14	R	1	**175.1195**	88.0637

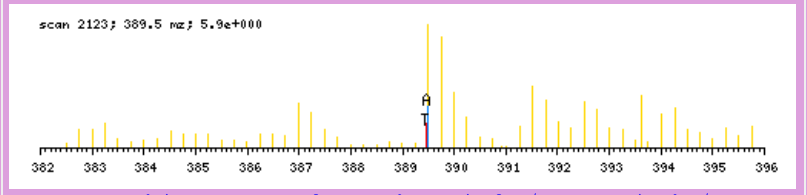
N-term:+35.07

STHQAAVVSKIDSR, MH+ 1554.8604, m/z 389.4706
L OS G17 P120811 220811-s1.02126.02126.4.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±]



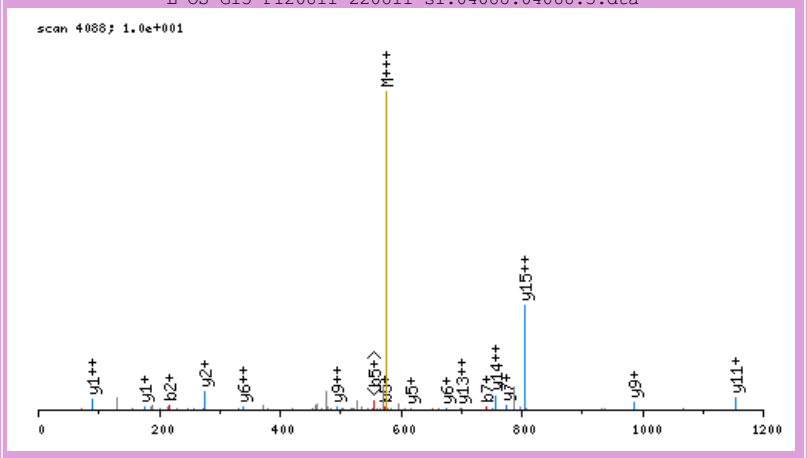
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
217.1188	2	T	13	1439.7971	720.4025
354.1777	3	H	12	1338.7494	669.8786
482.2363	4	Q	11	1201.6905	**601.3492**
553.2734	5	A	10	1073.6319	**537.3199**
624.3105	6	A	9	1002.5948	**501.8013**
723.3789	7	V	8	931.5577	**466.2828**
822.4474	8	V	7	832.4893	**416.7486**
909.4794	9	S	6	733.4209	**367.2143**
1065.6057	10	K	5	646.3888	323.6983
1178.6897	11	I	4	**490.2625**	245.6352
1293.7167	12	D	3	377.1785	189.0931
1380.7487	13	S	2	**262.1515**	131.5797
	14	R	1	175.1195	**88.0637**

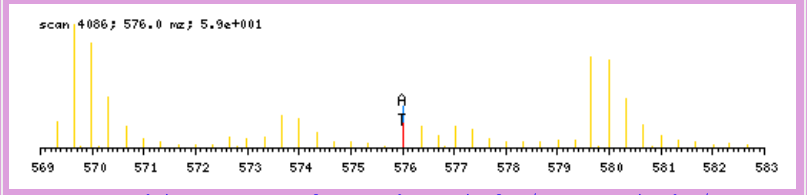
N-term:+29.04 K(10):+156.13

STLSKPAPLTGTLEVR, MH+ 1726.0115, m/z 576.0087
L OS G15 P120811 220811-s1.04088.04088.3.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±]



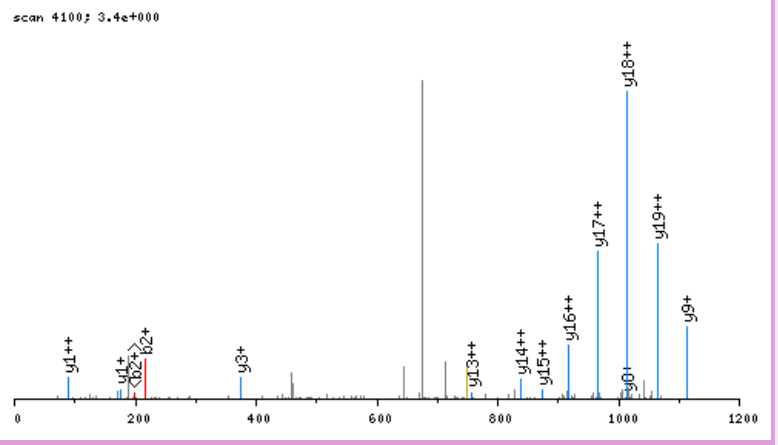
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
217.1188	2	T	15	1610.9482	**805.9780**
330.2029	3	L	14	1509.9005	**755.4542**
417.2349	4	S	13	1396.8164	**698.9121**
573.3612	5	K	12	1309.7844	655.3961
670.4140	6	P	11	**1153.6581**	577.3330
741.4511	7	A	10	1056.6053	528.8066
838.5038	8	P	9	**985.5682**	**493.2880**
951.5879	9	L	8	888.5155	444.7616
1052.6356	10	T	7	**775.4314**	388.2196
1109.6570	11	G	6	**674.3837**	**337.6958**
1210.7047	12	T	5	**617.3623**	309.1850
1323.7888	13	L	4	516.3146	258.6612
1452.8314	14	E	3	403.2305	202.1192
1551.8998	15	V	2	**274.1879**	137.5979
	16	R	1	**175.1195**	**88.0637**

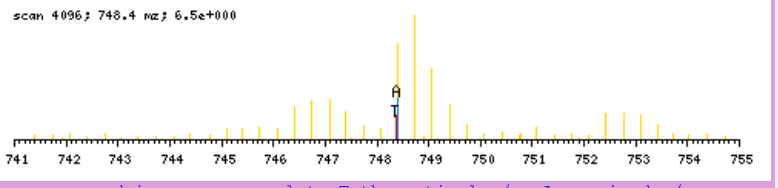
N-term:+29.04 K(5):+156.13

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

STPPSAYGSVKPYTNFDAER, MH+ 2243.0984, m/z 748.3710
L OS G15 P120811 220811-s1.04100.04100.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



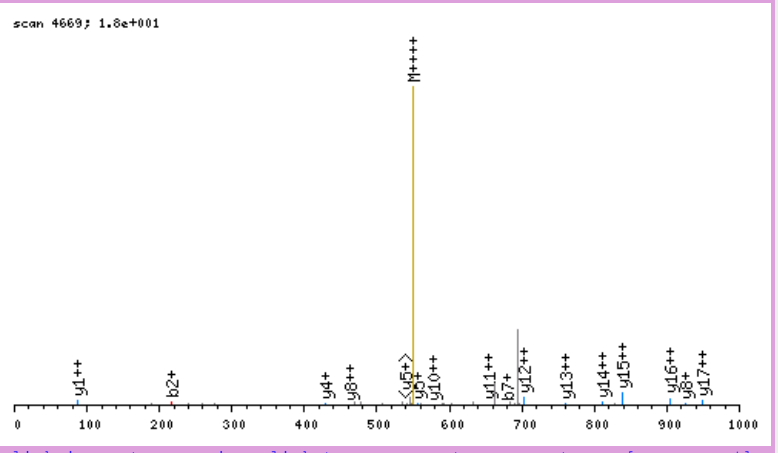
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
217.1188	2	T	19	2128.0351	**1064.5215**
314.1716	3	P	18	2026.9875	**1013.9976**
411.2243	4	P	17	1929.9347	**965.4713**
498.2564	5	S	16	1832.8819	**916.9449**
569.2935	6	A	15	1745.8499	**873.4289**
732.3568	7	Y	14	1674.8128	**837.9103**
789.3783	8	G	13	1511.7495	**756.3786**
876.4103	9	S	12	1454.7280	727.8679
975.4787	10	V	11	1367.6960	684.3519
1131.6050	11	K	10	1268.6276	634.8177
1228.6578	12	P	9	**1112.5013**	556.7545
1391.7211	13	Y	8	**1015.4485**	508.2282
1492.7688	14	T	7	852.3852	426.6965
1606.8117	15	N	6	751.3375	376.1727
1753.8801	16	F	5	637.2946	319.1512
1868.9071	17	D	4	490.2262	245.6170
1939.9442	18	A	3	**375.1992**	188.1035
2068.9868	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	**88.0637**

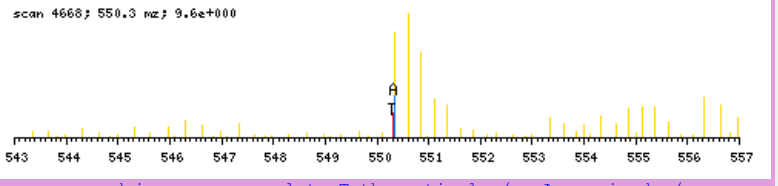
N-term:+29.04 K(11):+156.13

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

STSSMGTLPKQVKIVEVGPR, MH+ 2198.2583, m/z 550.3200
L OS G16 P120811 220811-s1.04669.04669.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



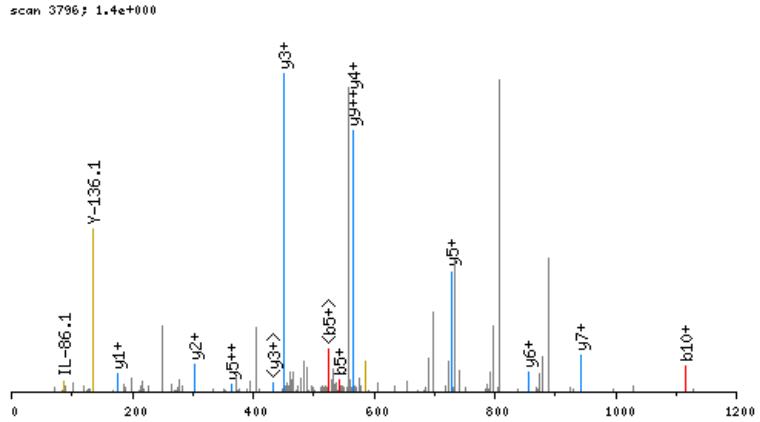
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
217.1188	2	T	19	2083.1950	1042.1014
304.1508	3	S	18	1982.1473	991.5776
391.1829	4	S	17	1895.1153	**948.0616**
522.2233	5	M	16	1808.0833	**904.5455**
579.2448	6	G	15	1677.0428	**839.0253**
680.2925	7	T	14	1620.0213	**810.5146**
793.3766	8	L	13	1518.9736	**759.9907**
890.4293	9	P	12	1405.8896	**703.4487**
1046.5556	10	K	11	1308.8368	**654.9223**
1174.6142	11	Q	10	1152.7105	**576.8592**
1273.6826	12	V	9	1024.6519	512.8299
1429.8089	13	K	8	**925.5835**	**463.2957**
1542.8930	14	I	7	769.4572	385.2325
1641.9614	15	V	6	656.3731	328.6905
1771.0040	16	E	5	**557.3047**	279.1563
1870.0724	17	V	4	**428.2621**	214.6350
1927.0939	18	G	3	329.1937	165.1008
2024.1466	19	P	2	272.1723	136.5900
	20	R	1	175.1195	**88.0637**

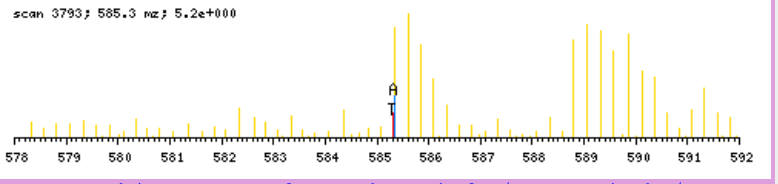
N-term:+29.04 K(10):+156.13
K(13):+156.13

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

SVATKKTEQGPPSSEYIFER, MH+ 2338.2295, m/z 585.3128
L OS G17 P120811 220811-s1.03796.03796.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



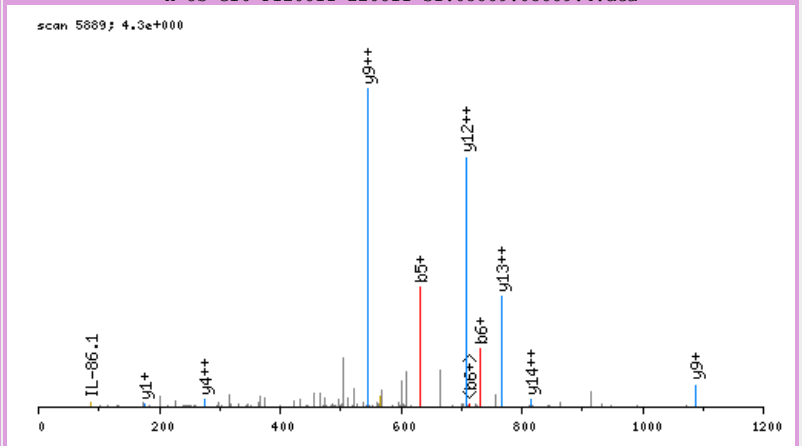
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	20		
215.1395	2	V	19	2223.1662	1112.0870
286.1767	3	A	18	2124.0978	1062.5528
387.2243	4	T	17	2053.0607	1027.0342
543.3506	5	K	16	1952.0130	976.5104
699.4769	6	K	15	1795.8867	898.4473
800.5246	7	T	14	1639.7604	820.3841
929.5672	8	E	13	1538.7127	769.8603
1057.6258	9	Q	12	1409.6701	705.3390
1114.6472	10	G	11	1281.6115	641.3097
1211.7000	11	P	10	1224.5901	612.7990
1308.7528	12	P	9	1127.5373	**564.2726**
1395.7848	13	S	8	1030.4846	515.7462
1482.8168	14	S	7	**943.4525**	472.2302
1611.8594	15	E	6	**856.4205**	428.7142
1774.9228	16	Y	5	**727.3779**	**364.1929**
1888.0068	17	I	4	**564.3146**	282.6612
2035.0752	18	F	3	**451.2305**	226.1192
2164.1178	19	E	2	**304.1621**	152.5850
	20	R	1	**175.1195**	88.0637

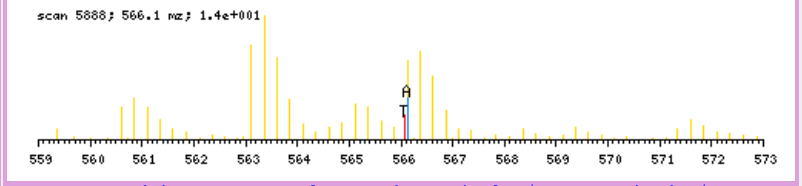
N-term:+29.04 K(5):+156.13
K(6):+156.13

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

SVFYTVITPMLNPIVYTLR, MH+ 2261.2831, m/z 566.0762
H OS G16 P120811 220811-s1.05889.05889.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



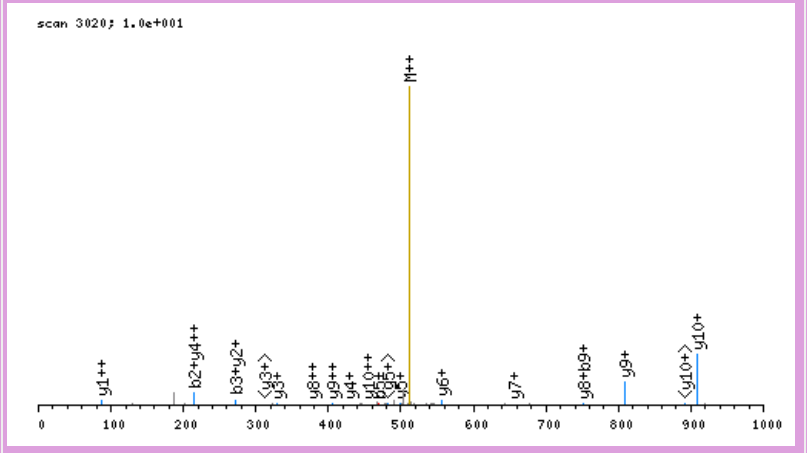
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	19		
221.1713	2	V	18	2140.1880	1070.5979
368.2398	3	F	17	2041.1196	1021.0637
531.3031	4	Y	16	1894.0512	947.5295
632.3508	5	T	15	1730.9879	865.9979
731.4192	6	V	14	1629.9402	**815.4740**
844.5032	7	I	13	1530.8718	**765.9398**
945.5509	8	T	12	1417.7877	**709.3978**
1042.6037	9	P	11	1316.7401	658.8739
1173.6442	10	M	10	1219.6873	610.3476
1286.7282	11	L	9	**1088.6468**	**544.8273**
1400.7712	12	N	8	975.5627	488.2853
1497.8239	13	P	7	861.5198	431.2638
1610.9080	14	I	6	764.4670	382.7374
1709.9764	15	V	5	651.3830	326.1954
1873.0397	16	Y	4	552.3146	**276.6612**
1974.0874	17	T	3	389.2512	195.1295
2087.1715	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

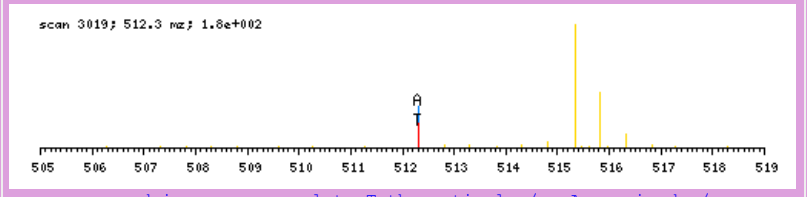
N-term:+35.07

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

SVGPVGAVGPR, MH+ 1023.5951, m/z 512.3012
L OS G13 P120811 220811-s1.03020.03020.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



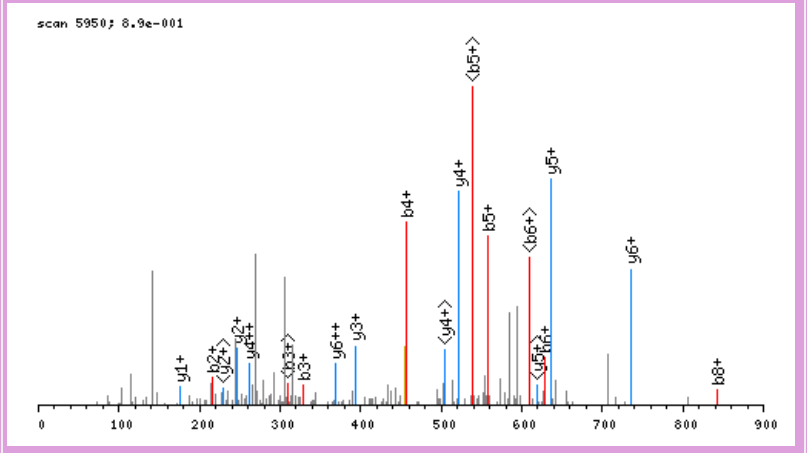
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	11		
215.1395	2	V	10	908.5318	454.7698
272.1610	3	G	9	809.4634	405.2356
369.2138	4	P	8	752.4419	376.7249
468.2822	5	V	7	655.3891	328.1985
525.3036	6	G	6	556.3207	278.6643
596.3408	7	A	5	499.2993	250.1535
695.4092	8	V	4	428.2621	214.6350
752.4306	9	G	3	329.1937	165.1008
849.4834	10	P	2	272.1723	136.5900
	11	R	1	175.1195	88.0637

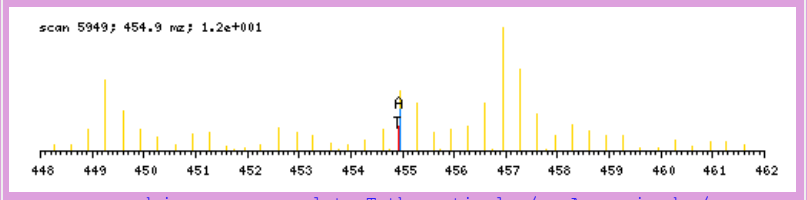
N-term:+29.04

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

SVIQTAVDQFAR, MH+ 1362.7381, m/z 454.9176
L OS G13 P120811 220811-s1.05950.05950.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



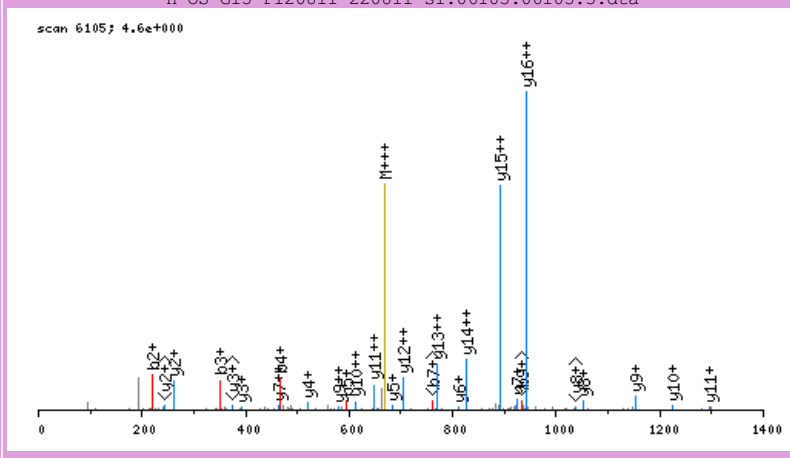
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
215.1395	2	V	11	1247.6748	624.3413
328.2236	3	I	10	1148.6064	574.8071
456.2822	4	Q	9	1035.5223	518.2651
557.3299	5	T	8	907.4638	454.2358
628.3670	6	A	7	806.4161	403.7120
727.4354	7	V	6	735.3790	368.1934
842.4623	8	D	5	636.3105	318.6592
970.5209	9	Q	4	521.2836	261.1457
1117.5893	10	F	3	393.2250	197.1164
1188.6264	11	A	2	246.1566	123.5822
	12	R	1	175.1195	88.0637

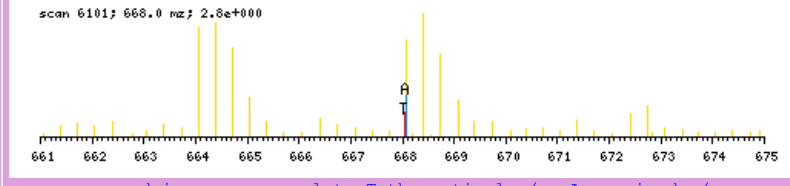
N-term:+29.04

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

SVMLQIAATELEKEESR, MH+ 2002.1167, m/z 668.0437
H OS G15 P120811 220811-s1.06105.06105.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



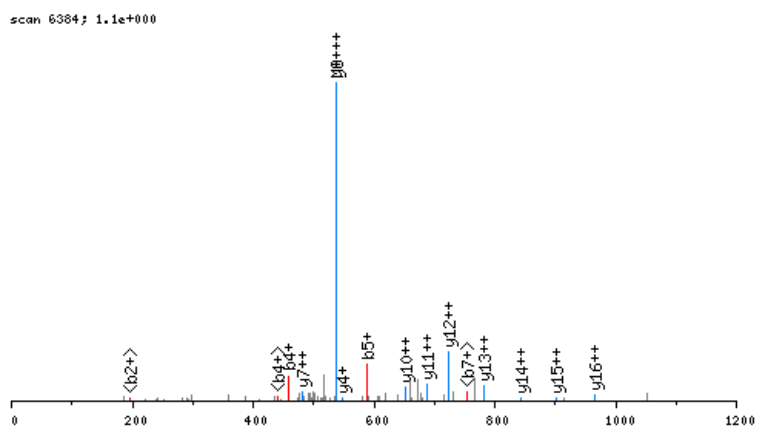
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	17		
221.1713	2	V	16	1881.0216	941.0147
352.2118	3	M	15	1781.9532	891.4805
465.2959	4	L	14	1650.9127	825.9603
593.3545	5	Q	13	1537.8286	769.4182
706.4385	6	I	12	1409.7700	705.3889
777.4756	7	A	11	1296.6860	648.8469
848.5128	8	A	10	1225.6489	613.3283
949.5604	9	T	9	1154.6117	577.8098
1078.6030	10	E	8	1053.5641	527.2859
1191.6871	11	L	7	924.5215	462.7646
1320.7297	12	E	6	811.4374	406.2226
1482.8878	13	K	5	682.3948	341.7013
1611.9304	14	E	4	520.2367	260.6223
1740.9730	15	E	3	391.1941	196.1010
1828.0050	16	S	2	262.1515	131.5797
	17	R	1	175.1195	88.0637

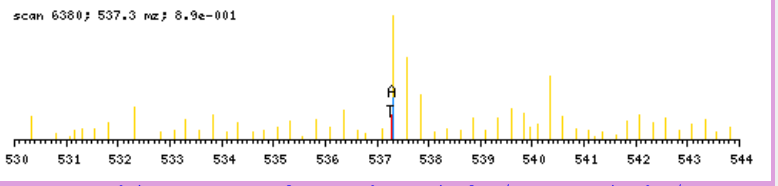
N-term:+35.07 K(13):+162.16

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

SVMLQIAATELEKEESRR, MH+ 2146.1542, m/z 537.2940
L OS G17 P120811 220811-s1.06384.06384.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



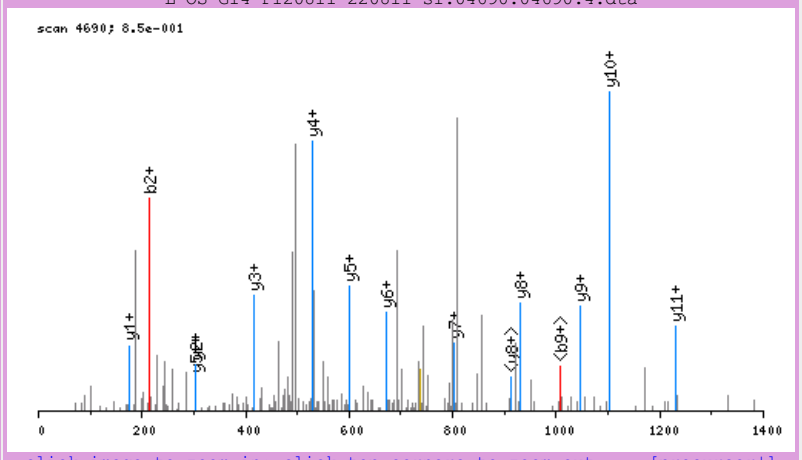
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
215.1395	2	V	17	2031.0909	1016.0494
346.1800	3	M	16	1932.0225	**966.5151**
459.2641	4	L	15	1800.9820	**900.9949**
587.3227	5	Q	14	1687.8979	**844.4529**
700.4067	6	I	13	1559.8393	**780.4236**
771.4438	7	A	12	1446.7553	**723.8816**
842.4810	8	A	11	1375.7182	**688.3630**
943.5286	9	T	10	1304.6811	**652.8444**
1072.5712	10	E	9	1203.6334	602.3206
1185.6553	11	L	8	1074.5908	**537.7993**
1314.6979	12	E	7	961.5067	**481.2573**
1470.8242	13	K	6	832.4641	416.7360
1599.8668	14	E	5	676.3378	338.6728
1728.9094	15	E	4	**547.2952**	274.1515
1815.9414	16	S	3	418.2526	209.6302
1972.0425	17	R	2	331.2206	166.1142
	18	R	1	175.1195	88.0637

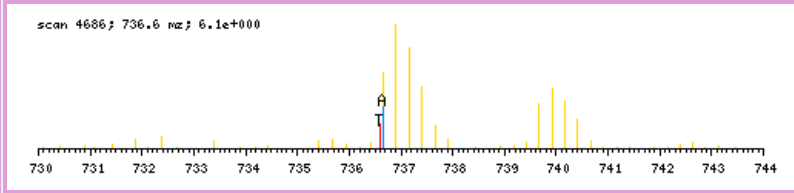
N-term:+29.04 K(13):+156.13

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

SVPDEESKPASSNTQVEGDEEAALLER, MH+ 2943.4071, m/z 736.6072
L OS G14 P120811 220811-s1.04690.04690.4.dta



click image to zoom in; click top corners to zoom out [precursor+]

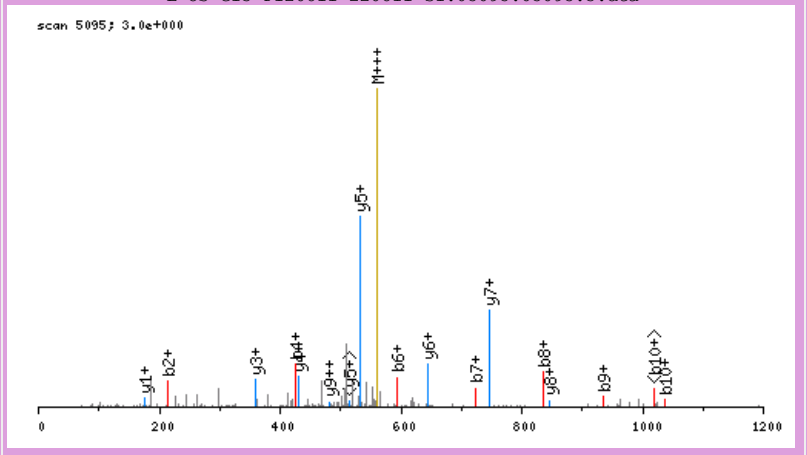


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

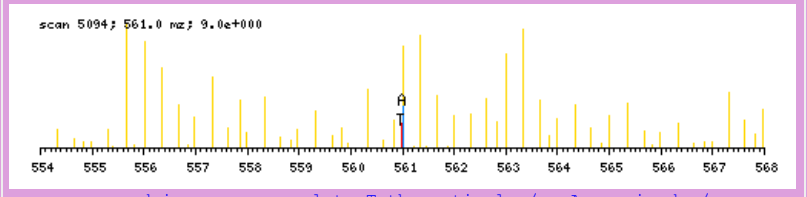
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	27		
215.1395	2	V	26	2828.3438	1414.6758
312.1923	3	P	25	2729.2754	1365.1416
427.2192	4	D	24	2632.2226	1316.6152
556.2618	5	E	23	2517.1957	1259.1018
685.3044	6	E	22	2388.1531	1194.5805
772.3365	7	S	21	2259.1105	1130.0592
928.4628	8	K	20	2172.0785	1086.5431
1025.5155	9	P	19	2015.9522	1008.4800
1096.5526	10	A	18	1918.8994	959.9536
1183.5847	11	S	17	1847.8623	924.4351
1270.6167	12	S	16	1760.8303	880.9190
1384.6596	13	N	15	1673.7982	837.4030
1485.7073	14	T	14	1559.7553	780.3816
1613.7659	15	Q	13	1458.7076	729.8577
1712.8343	16	V	12	1330.6490	665.8284
1841.8769	17	E	11	1231.5806	616.2942
1898.8984	18	G	10	1102.5380	551.7729
2013.9253	19	D	9	1045.5166	523.2622
2142.9679	20	E	8	930.4896	465.7487
2272.0105	21	E	7	801.4470	401.2274
2343.0476	22	A	6	672.4044	336.7061
2414.0847	23	A	5	601.3673	301.1876
2527.1688	24	L	4	530.3302	265.6690
2640.2528	25	L	3	417.2462	209.1270
2769.2954	26	E	2	304.1621	152.5850
	27	R	1	175.1195	88.0637

N-term:+29.04 K(8):+156.13

SVPLPAENVTITAGQR, MH+ 1680.9284, m/z 560.9810
L OS G13 P120811 220811-s1.05095.05095.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

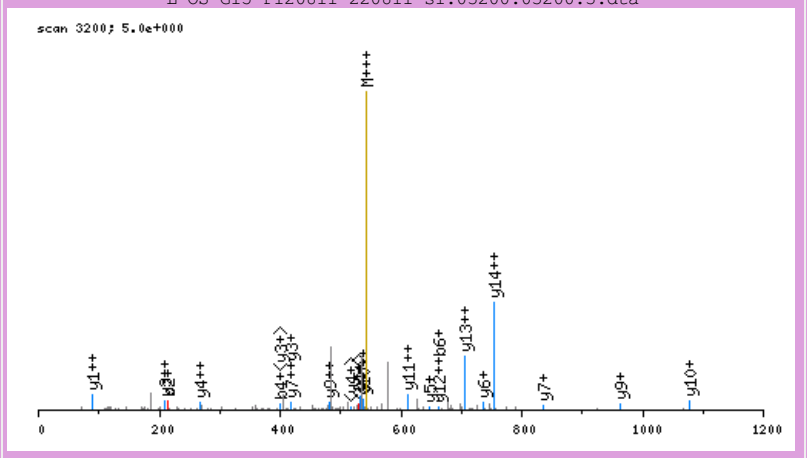
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	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

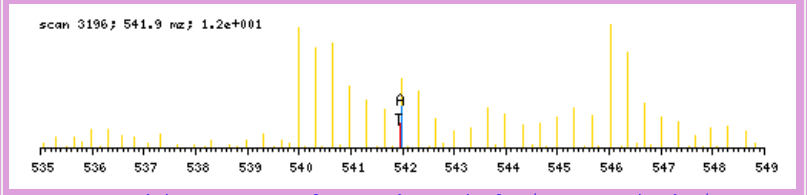
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

SVSVFNGAVSDDSKR, MH+ 1623.8342, m/z 541.9496
L OS G15 P120811 220811-s1.03200.03200.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

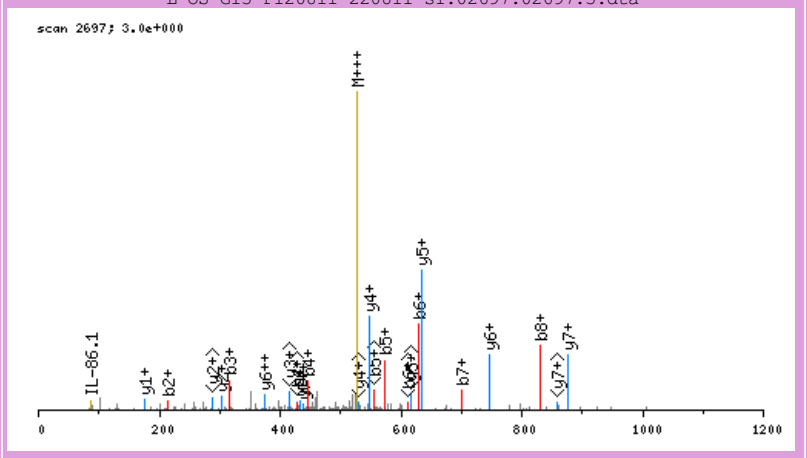


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

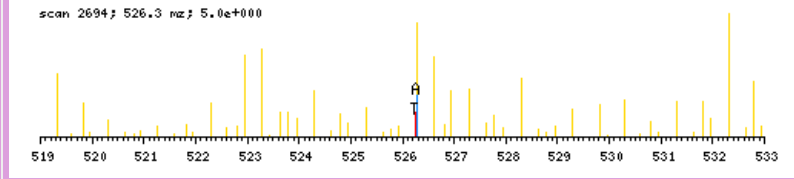
b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	15		
215.1395	2	V	14	1508.7709	754.8894
302.1716	3	S	13	1409.7025	705.3552
401.2400	4	V	12	1322.6705	661.8392
548.3084	5	F	11	1223.6021	612.3050
662.3513	6	N	10	1076.5337	538.7707
719.3728	7	G	9	962.4907	481.7493
790.4099	8	A	8	905.4693	453.2385
889.4783	9	V	7	834.4322	417.7200
976.5103	10	S	6	735.3637	368.1858
1091.5373	11	D	5	648.3317	324.6698
1206.5642	12	D	4	533.3048	267.1563
1293.5963	13	S	3	418.2778	209.6428
1449.7226	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

N-term:+29.04 K(14):+156.13

SVTEQGAELSNEER, MH+ 1576.7454, m/z 526.2533
L OS G13 P120811 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

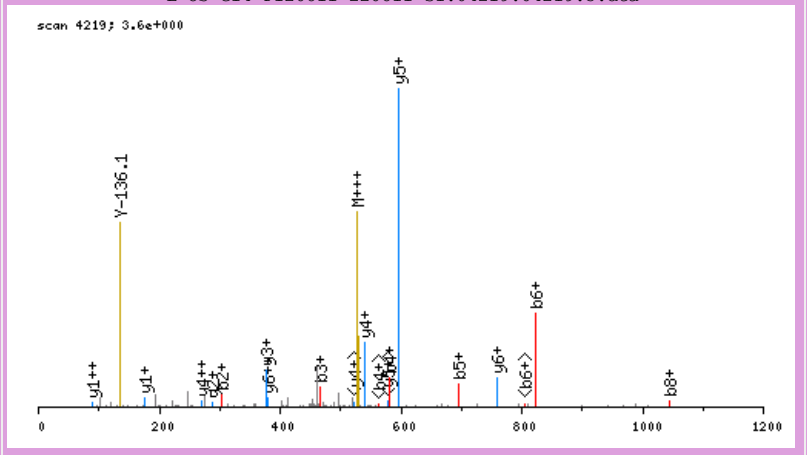
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	14		
215.1395	2	V	13	1461.6821	731.3450
316.1872	3	T	12	1362.6137	681.8108
445.2298	4	E	11	1261.5660	631.2869
573.2884	5	Q	10	1132.5235	566.7656
630.3099	6	G	9	1004.4649	502.7364
701.3470	7	A	8	947.4434	474.2256
830.3896	8	E	7	876.4063	438.7071
943.4736	9	L	6	747.3637	374.1858
1030.5057	10	S	5	634.2796	317.6437
1144.5486	11	N	4	547.2476	274.1277
1273.5912	12	E	3	433.2047	217.1063
1402.6338	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

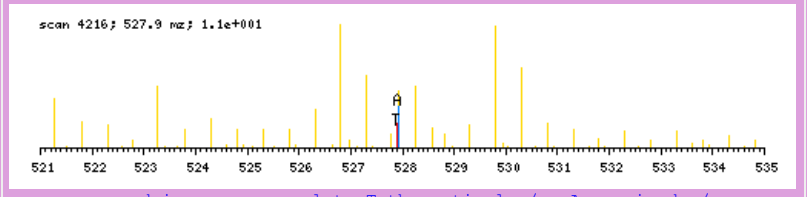
N-term:+29.04

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

SWYDNEYGYSNR, MH+ 1581.6610, m/z 527.8918
L OS G14 P120811 220811-s1.04219.04219.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



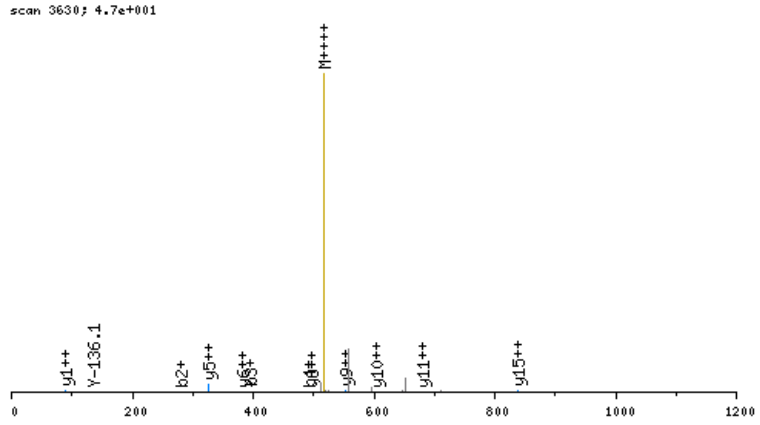
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	12		
302.1504	2	W	11	1466.5977	733.8028
465.2138	3	Y	10	1280.5184	640.7631
580.2407	4	D	9	1117.4550	559.2314
694.2836	5	N	8	1002.4281	501.7180
823.3262	6	E	7	888.3852	444.6965
986.3896	7	Y	6	759.3426	380.1752
1043.4110	8	G	5	596.2792	298.6435
1206.4744	9	Y	4	539.2578	270.1328
1293.5064	10	S	3	376.1945	188.6011
1407.5493	11	N	2	289.1624	145.0851
	12	R	1	175.1195	88.0637

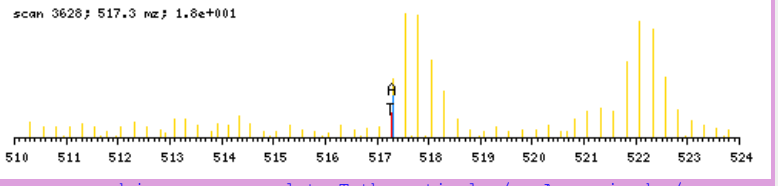
N-term:+29.04

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

SYDPGSAKTILNNGKTCR, MH+ 2066.0704, m/z 517.2731
L OS G17 P120811 220811-s1.03630.03630.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



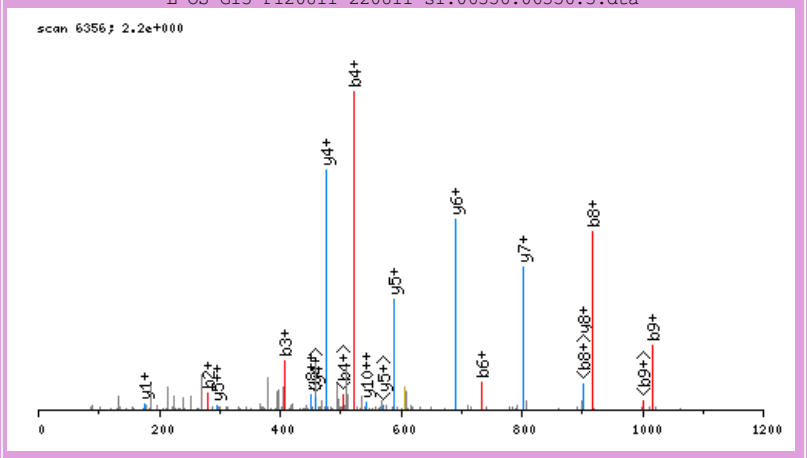
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	18		
279.1345	2	Y	17	1951.0071	976.0075
394.1614	3	D	16	1787.9438	894.4758
491.2142	4	P	15	1672.9169	**836.9623**
548.2356	5	G	14	1575.8641	788.4360
635.2677	6	S	13	1518.8426	759.9252
706.3048	7	A	12	1431.8106	716.4092
862.4311	8	K	11	1360.7735	**680.8907**
963.4787	9	T	10	1204.6472	**602.8275**
1076.5628	10	I	9	1103.5995	**552.3037**
1189.6469	11	L	8	990.5155	**495.7616**
1303.6898	12	N	7	877.4314	439.2196
1417.7327	13	N	6	763.3885	**382.1981**
1474.7542	14	G	5	649.3455	**325.1767**
1630.8805	15	K	4	592.3241	296.6660
1731.9282	16	T	3	436.1978	218.6028
1891.9588	17	C	2	335.1501	168.0790
	18	R	1	175.1195	**88.0637**

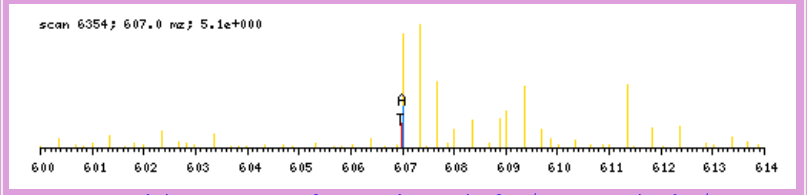
N-term:+29.04 K(8):+156.13
K(15):+156.13 C(17):+160.03

SYELPDGQVITIGNER, MH+ 1818.9237, m/z 606.9794
L_OS_G13_P120811_220811-s1.06356.06356.3.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±]



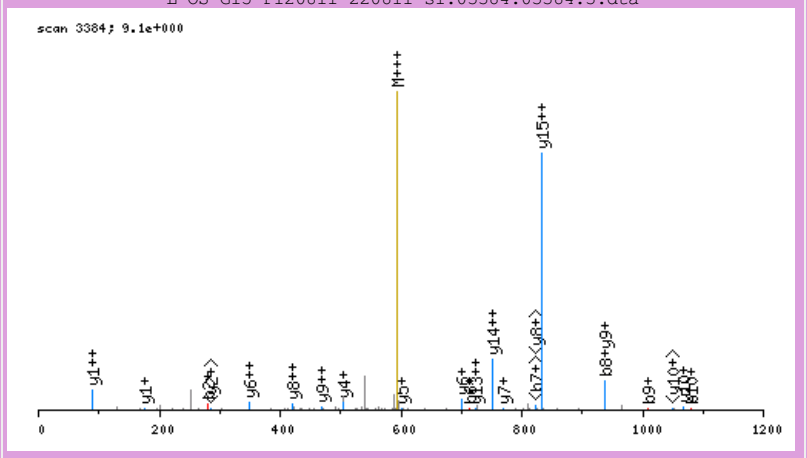
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
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

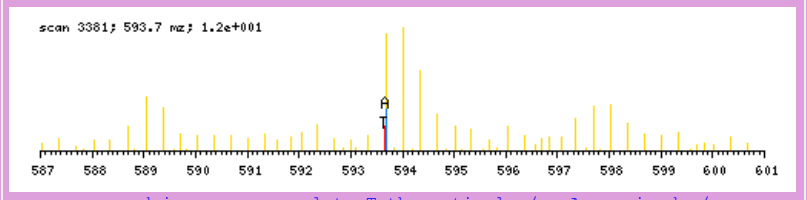
N-term:+29.04

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+ 1778.9441, m/z 593.6529
L OS G15 P120811 220811-s1.03384.03384.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



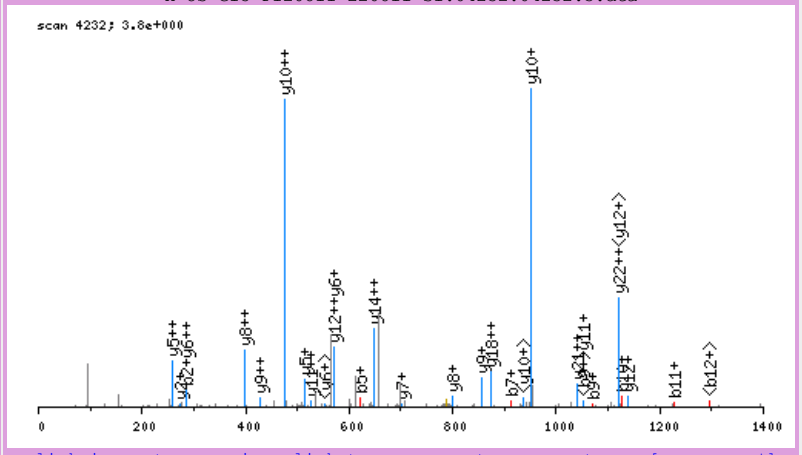
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
116.0711	1	S	16		
279.1345	2	Y	15	1663.8808	832.4443
336.1559	3	G	14	1500.8175	750.9127
393.1774	4	G	13	1443.7960	722.4019
556.2407	5	Y	12	1386.7746	693.8912
712.3670	6	K	11	1223.7112	612.3595
841.4096	7	E	10	1067.5849	534.2964
938.4624	8	P	9	938.5423	469.7751
1009.4995	9	A	8	841.4896	421.2487
1080.5366	10	A	7	770.4525	385.7301
1177.5894	11	P	6	699.4153	350.2116
1276.6578	12	V	5	602.3626	301.6852
1363.6898	13	S	4	503.2942	252.1510
1476.7739	14	I	3	416.2621	208.6350
1604.8324	15	Q	2	303.1781	152.0930
	16	R	1	175.1195	88.0637

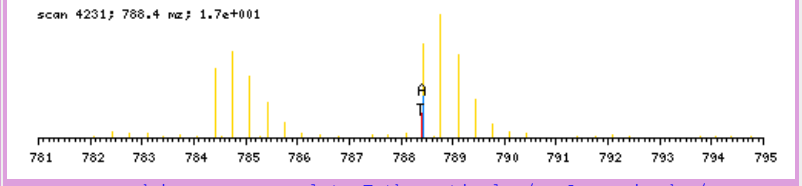
N-term:+29.04 K(6):+156.13

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

SYGYDEKSAGVSVPGPMGPSGPR, MH+ 2363.1978, m/z 788.4041
H OS G15 P120811 220811-s1.04232.04232.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



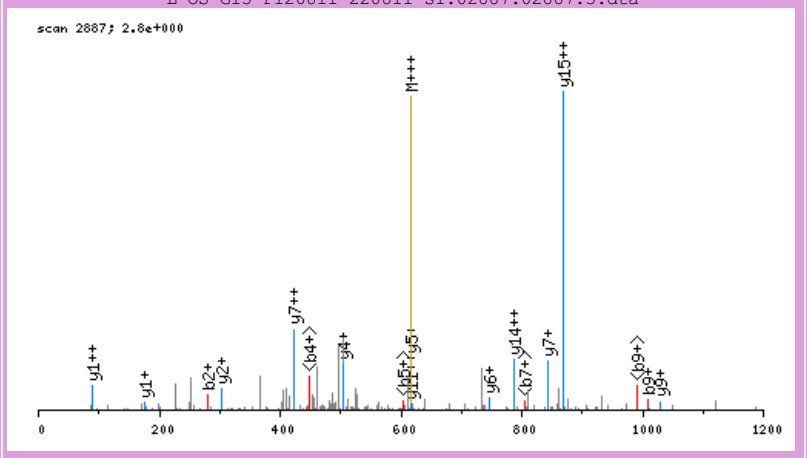
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
122.1029	1	S	23		
285.1663	2	Y	22	2242.1027	**1121.5553**
342.1877	3	G	21	2079.0394	**1040.0236**
505.2510	4	Y	20	2022.0179	1011.5129
620.2780	5	D	19	1858.9546	929.9812
749.3206	6	E	18	1743.9276	**872.4677**
911.4787	7	K	17	1614.8850	807.9464
998.5107	8	S	16	1452.7269	726.8674
1069.5478	9	A	15	1365.6949	683.3514
1126.5693	10	G	14	1294.6578	**647.8328**
1225.6377	11	V	13	1237.6363	619.3221
1312.6697	12	S	12	**1138.5679**	**569.7879**
1411.7381	13	V	11	**1051.5359**	**526.2718**
1508.7909	14	P	10	**952.4675**	**476.7376**
1565.8124	15	G	9	**855.4147**	**428.2113**
1662.8651	16	P	8	**798.3932**	**399.7005**
1793.9056	17	M	7	**701.3405**	351.1741
1850.9271	18	G	6	**570.3000**	**285.6539**
1947.9799	19	P	5	**513.2785**	**257.1432**
2035.0119	20	S	4	416.2258	208.6168
2092.0333	21	G	3	329.1937	165.1008
2189.0861	22	P	2	**272.1723**	136.5900
	23	R	1	175.1195	88.0637

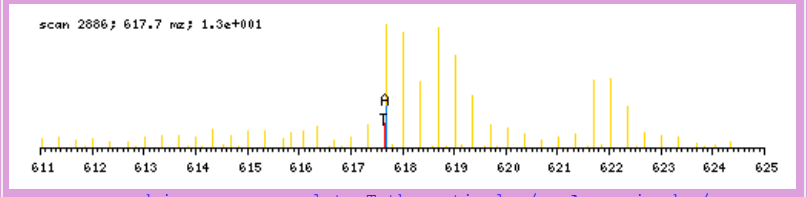
N-term:+35.07 K(7):+162.16

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

SYVSKAESTPEIAEQR, MH+ 1850.9500, m/z 617.6548
L OS G15 P120811 220811-s1.02887.02887.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



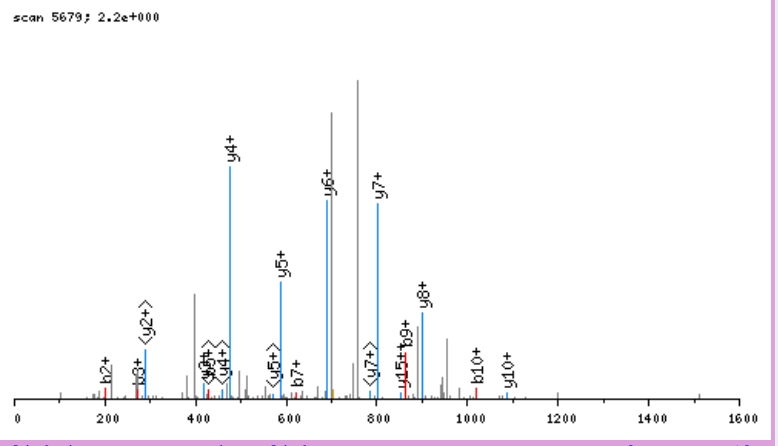
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

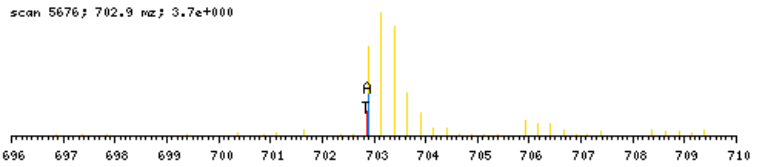
N-term:+29.04 K(5):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
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+ 2808.4267, m/z 702.8621
L OS G14 P120811 220811-s1.05679.05679.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



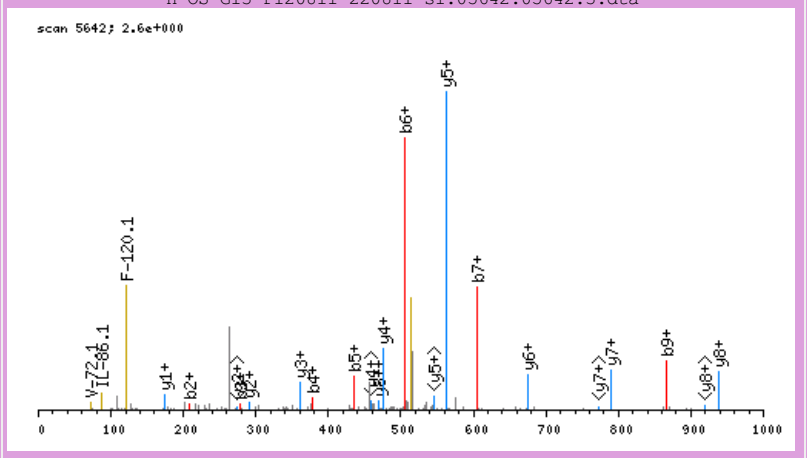
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	26		
201.1239	2	A	25	2679.3478	1340.1778
272.1610	3	A	24	2608.3107	1304.6592
359.1930	4	S	23	2537.2735	1269.1407
446.2251	5	S	22	2450.2415	1225.6247
533.2571	6	S	21	2363.2095	1182.1087
620.2891	7	S	20	2276.1775	1138.5926
733.3732	8	L	19	2189.1454	1095.0766
862.4158	9	E	18	2076.0614	1038.5346
1018.5421	10	K	17	1947.0188	974.0133
1105.5741	11	S	16	1790.8925	895.9501
1268.6374	12	Y	15	1703.8604	852.4341
1397.6800	13	E	14	1540.7971	770.9025
1510.7641	14	L	13	1411.7545	706.3812
1607.8169	15	P	12	1298.6705	649.8391
1722.8438	16	D	11	1201.6177	601.3128
1779.8653	17	G	10	1086.5907	543.7993
1907.9238	18	Q	9	1029.5693	515.2886
2006.9923	19	V	8	901.5107	451.2593
2120.0763	20	I	7	802.4423	401.7251
2221.1240	21	T	6	689.3582	345.1830
2334.2081	22	I	5	588.3105	294.6592
2391.2295	23	G	4	475.2265	238.1172
2505.2725	24	N	3	418.2050	209.6064
2634.3150	25	E	2	304.1621	152.5850
	26	R	1	175.1195	88.0637

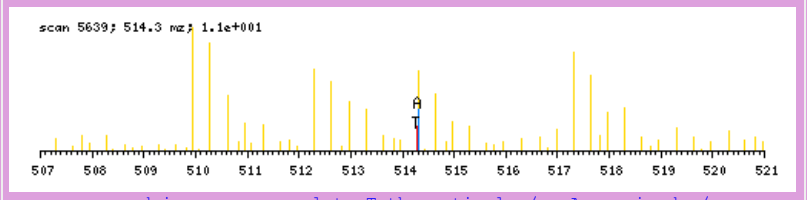
N-term:+29.04 K(10):+156.13

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

TAAVGAVFDISNADR, MH+ 1540.8183, m/z 514.2776
H OS G13 P120811 220811-s1.05642.05642.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



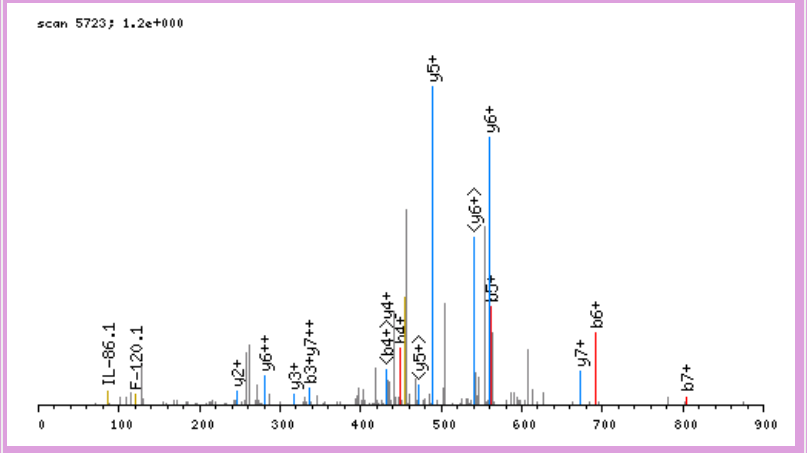
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
207.1557	2	A	14	1405.7076	703.3577
278.1928	3	A	13	1334.6705	667.8391
377.2612	4	V	12	1263.6333	632.3206
434.2827	5	G	11	1164.5649	582.7864
505.3198	6	A	10	1107.5435	554.2756
604.3882	7	V	9	1036.5063	518.7571
751.4566	8	F	8	**937.4379**	**469.2229**
866.4836	9	D	7	**790.3695**	395.6887
979.5676	10	I	6	**675.3426**	338.1752
1066.5997	11	S	5	**562.2585**	281.6332
1180.6426	12	N	4	**475.2265**	238.1172
1251.6797	13	A	3	**361.1836**	181.0957
1366.7066	14	D	2	**290.1464**	145.5771
	15	R	1	**175.1195**	88.0637

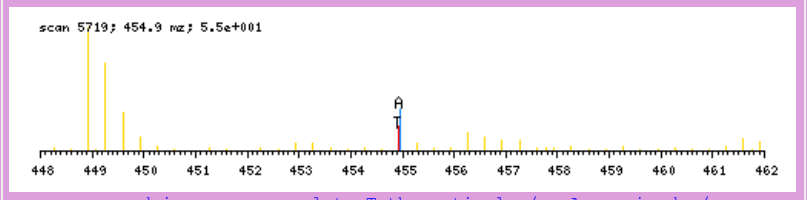
N-term:+35.07

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

TAEILELAGNAAR, MH+ 1362.7805, m/z 454.9317
H OS G13 P120811 220811-s1.05723.05723.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



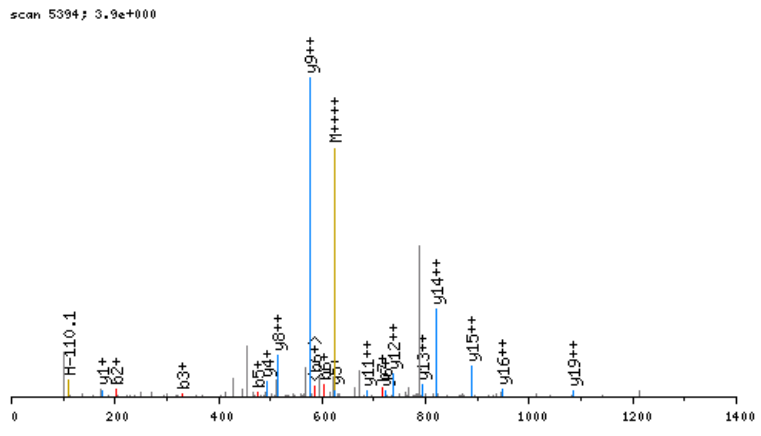
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

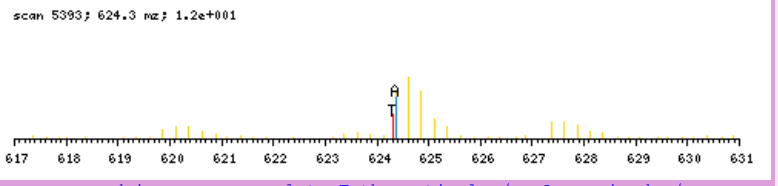
N-term:+35.07

X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

TAESGELHGLTTDEKFVEGVYR, MH+ 2494.2466, m/z 624.3171
L OS G16 P120811 220811-s1.05394.05394.4.dta



click image to zoom in; 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	22		
201.1239	2	A	21	2365.1676	1183.0877
330.1665	3	E	20	2294.1305	1147.5692
417.1985	4	S	19	2165.0879	**1083.0479**
474.2200	5	G	18	2078.0559	1039.5319
603.2626	6	E	17	2021.0344	1011.0211
716.3466	7	L	16	1891.9918	**946.4998**
853.4055	8	H	15	1778.9078	**889.9578**
910.4270	9	G	14	1641.8488	**821.4283**
1023.5111	10	L	13	1584.8274	**792.9176**
1124.5588	11	T	12	1471.7433	**736.3756**
1225.6064	12	T	11	1370.6956	**685.8517**
1340.6334	13	D	10	1269.6480	635.3279
1469.6760	14	E	9	1154.6210	**577.8144**
1625.8023	15	K	8	1025.5784	**513.2931**
1772.8707	16	F	7	869.4521	435.2300
1871.9391	17	V	6	**722.3837**	361.6958
2000.9817	18	E	5	**623.3153**	312.1616
2058.0032	19	G	4	**494.2727**	247.6403
2157.0716	20	V	3	437.2512	219.1295
2320.1349	21	Y	2	338.1828	169.5953
	22	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+]

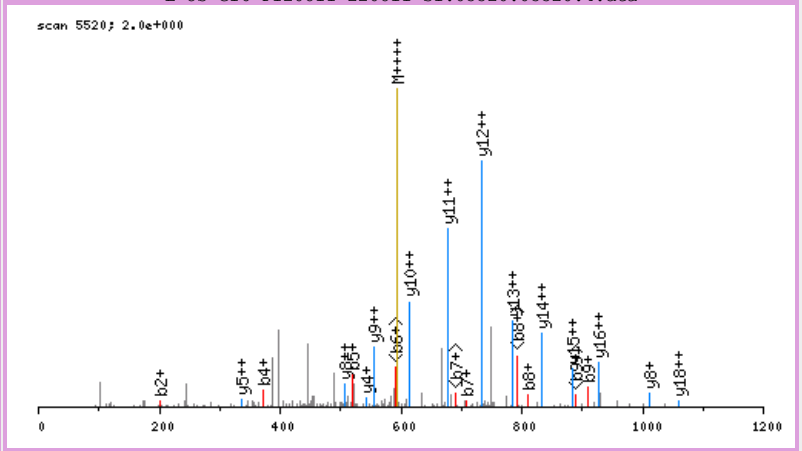
z [+] [2+] [3+]

hide H_2O/NH_3

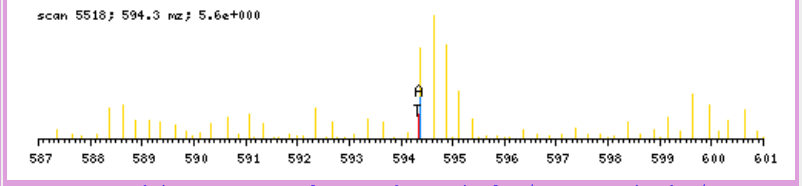
zoom 112-122

GO

TAGDFSTTVIQNVNKAQVKIR, MH+ 2374.3459, m/z 594.3419
L OS G16 P120811 220811-s1.05520.05520.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



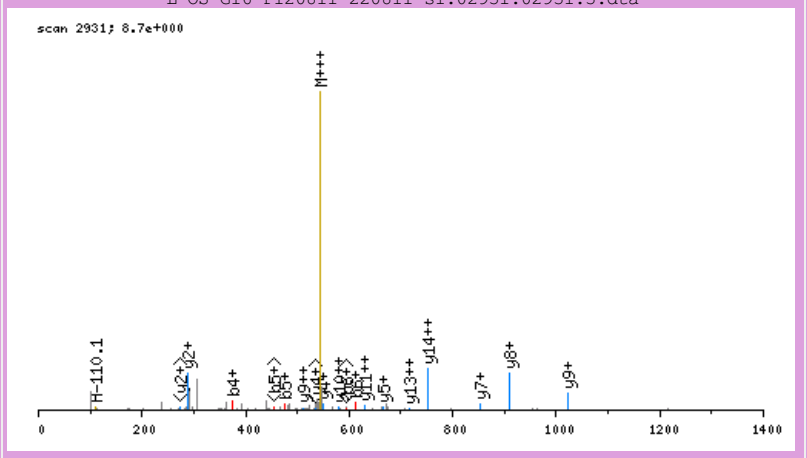
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
201.1239	2	A	20	2245.2669	1123.1374
258.1454	3	G	19	2174.2298	1087.6188
373.1723	4	D	18	2117.2083	**1059.1081**
520.2407	5	F	17	2002.1814	1001.5946
607.2727	6	S	16	1855.1130	**928.0604**
708.3204	7	T	15	1768.0810	**884.5444**
809.3681	8	T	14	1667.0333	**834.0205**
908.4365	9	V	13	1565.9856	**783.4967**
1021.5206	10	I	12	1466.9172	**733.9625**
1149.5792	11	Q	11	1353.8331	**677.4205**
1263.6221	12	N	10	1225.7745	**613.3912**
1362.6905	13	V	9	1111.7316	**556.3697**
1476.7334	14	N	8	**1012.6632**	**506.8355**
1632.8597	15	K	7	898.6203	449.8140
1703.8968	16	A	6	742.4940	371.7509
1831.9554	17	Q	5	671.4569	**336.2323**
1931.0238	18	V	4	**543.3983**	272.2031
2087.1501	19	K	3	444.3299	222.6688
2200.2342	20	I	2	288.2036	144.6057
	21	R	1	175.1195	88.0637

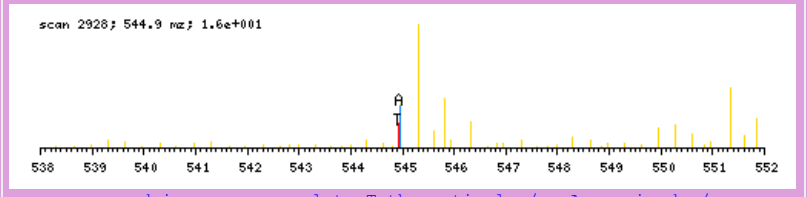
N-term:+29.04 K(15):+156.13
K(19):+156.13

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

TAGDTHLGGEDFDNR, MH+ 1632.7254, m/z 544.9133
L OS G16 P120811 220811-s1.02931.02931.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



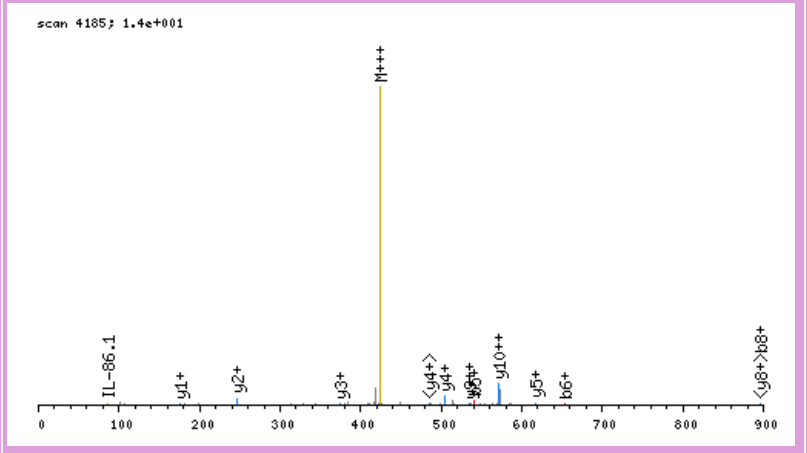
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
201.1239	2	A	14	1503.6464	**752.3271**
258.1454	3	G	13	1432.6093	**716.8086**
373.1723	4	D	12	1375.5878	688.2978
474.2200	5	T	11	1260.5609	**630.7844**
611.2789	6	H	10	1159.5132	**580.2605**
724.3630	7	L	9	**1022.4543**	**511.7311**
781.3844	8	G	8	**909.3702**	455.1890
838.4059	9	G	7	**852.3488**	426.6783
967.4485	10	E	6	795.3273	398.1676
1082.4754	11	D	5	**666.2847**	333.6463
1229.5438	12	F	4	**551.2578**	276.1328
1344.5708	13	D	3	404.1894	202.5986
1458.6137	14	N	2	**289.1624**	145.0851
	15	R	1	175.1195	88.0637

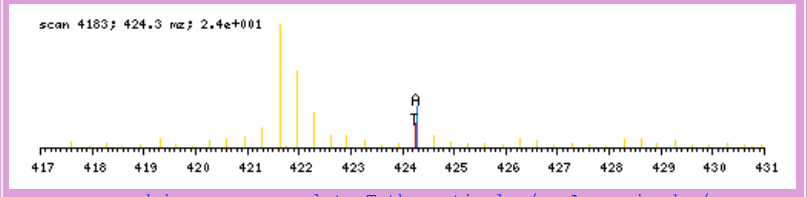
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TAKIALLEEAR, MH+ 1270.7735, m/z 424.2627
L OS G16 P120811 220811-s1.04185.04185.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



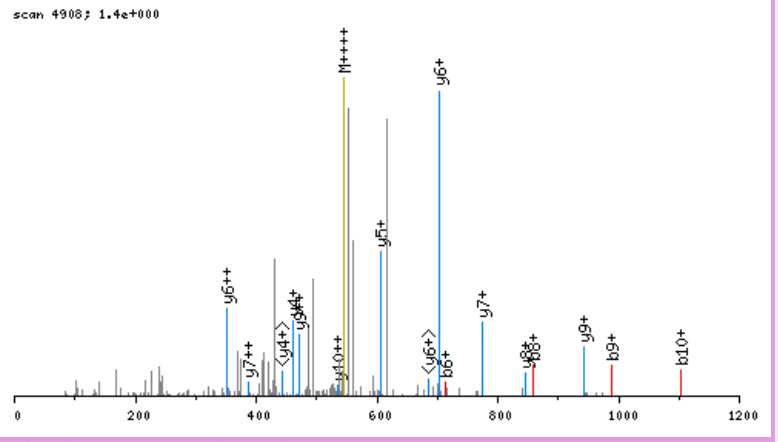
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
201.1239	2	A	10	1141.6945	**571.3512**
357.2502	3	K	9	1070.6574	**535.8326**
470.3343	4	I	8	914.5311	457.7695
541.3714	5	A	7	801.4470	401.2274
654.4554	6	L	6	730.4099	365.7089
767.5395	7	L	5	**617.3259**	309.1668
896.5821	8	E	4	**504.2418**	252.6248
1025.6247	9	E	3	**375.1992**	188.1035
1096.6618	10	A	2	**246.1566**	123.5822
	11	R	1	**175.1195**	88.0637

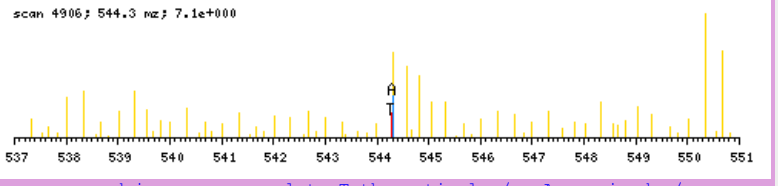
N-term:+29.04 K(3):+156.13

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

TAKPFLGSMNQPAAPFSPTR, MH+ 2174.1432, m/z 544.2913
L OS G15 P120811 220811-s1.04908.04908.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



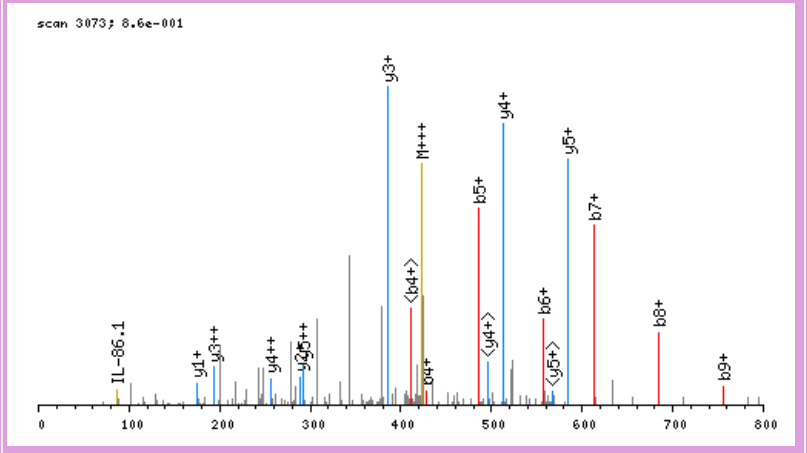
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
201.1239	2	A	19	2045.0643	1023.0361
357.2502	3	K	18	1974.0272	987.5175
454.3030	4	P	17	1817.9009	909.4543
601.3714	5	F	16	1720.8481	860.9280
714.4554	6	L	15	1573.7797	787.3938
771.4769	7	G	14	1460.6956	730.8517
858.5089	8	S	13	1403.6742	702.3410
989.5494	9	M	12	1316.6421	658.8250
1103.5923	10	N	11	1185.6016	593.3047
1231.6509	11	Q	10	1071.5587	**536.2833**
1328.7037	12	P	9	**943.5001**	**472.2540**
1399.7408	13	A	8	**846.4474**	423.7276
1470.7779	14	A	7	**775.4103**	**388.2090**
1567.8307	15	P	6	**704.3731**	**352.6905**
1714.8991	16	F	5	**607.3204**	304.1641
1801.9311	17	S	4	**460.2520**	230.6299
1898.9839	18	P	3	373.2199	187.1139
2000.0316	19	T	2	276.1672	138.5875
	20	R	1	175.1195	88.0637

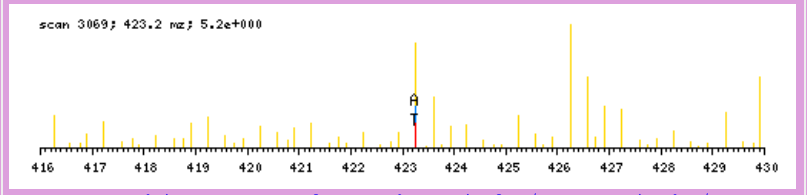
N-term:+29.04 K(3):+156.13

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

TANLGAGAAQPLR, MH+ 1267.7122, m/z 423.2423
L OS G13 P120811 220811-s1.03073.03073.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



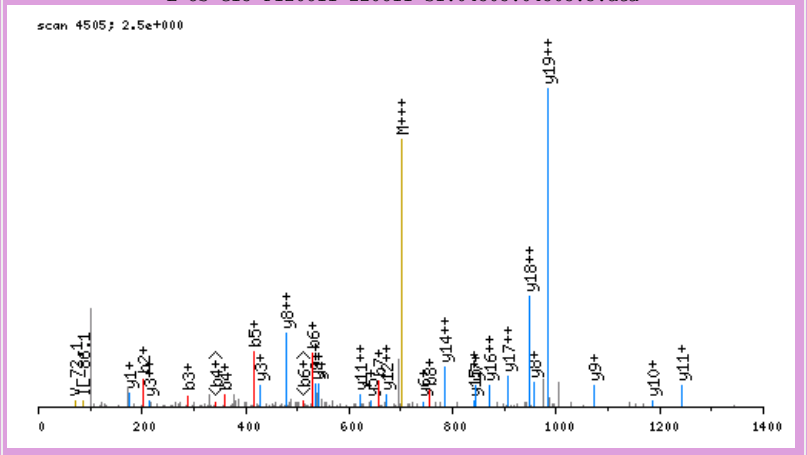
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
201.1239	2	A	12	1138.6333	569.8206
315.1668	3	N	11	1067.5962	534.3020
428.2509	4	L	10	953.5532	477.2805
485.2723	5	G	9	840.4692	420.7385
556.3095	6	A	8	783.4477	392.2278
613.3309	7	G	7	712.4106	356.7092
684.3680	8	A	6	655.3891	328.1985
755.4052	9	A	5	**584.3520**	**292.6799**
883.4637	10	Q	4	**513.3149**	**257.1614**
980.5165	11	P	3	**385.2563**	**193.1321**
1093.6006	12	L	2	**288.2036**	144.6057
	13	R	1	**175.1195**	88.0637

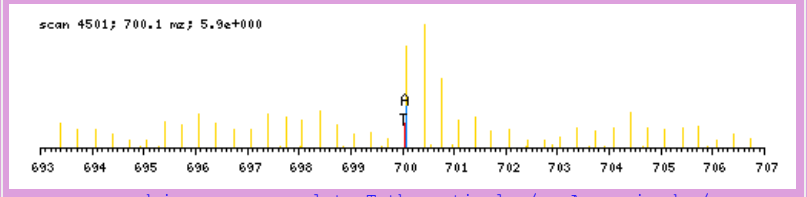
N-term:+29.04

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

TASAGIQVVGDDLTVTNPKR, MH+ 2098.1508, m/z 700.0551
L OS G15 P120811 220811-s1.04505.04505.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



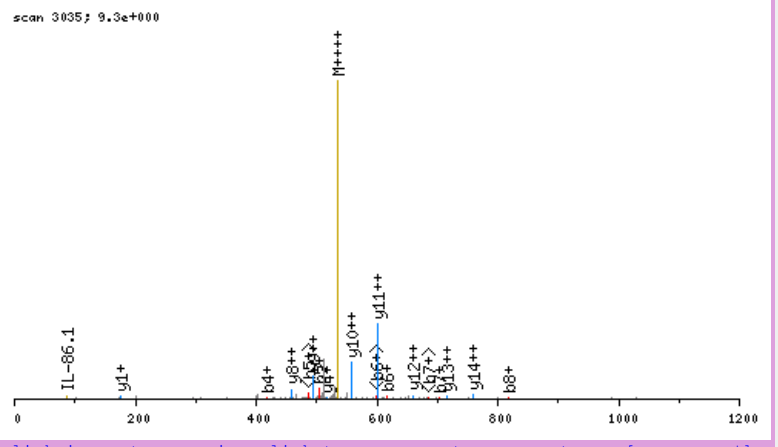
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

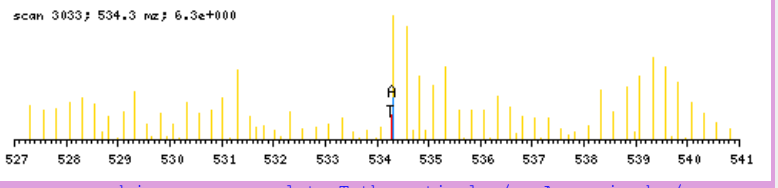
N-term:+29.04 K(19):+156.13

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

TASESISNLSEAGSVKKGER, MH+ 2134.1356, m/z 534.2894
L OS G17 P120811 220811-s1.03035.03035.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



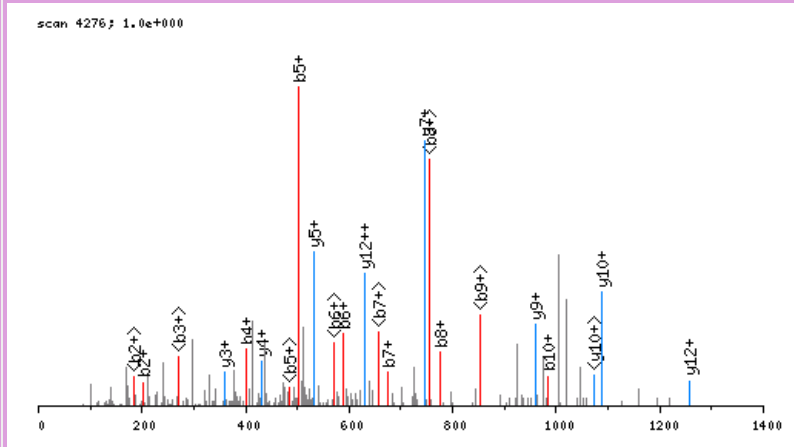
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
201.1239	2	A	19	2005.0566	1003.0322
288.1559	3	S	18	1934.0195	967.5137
417.1985	4	E	17	1846.9875	923.9977
504.2305	5	S	16	1717.9449	859.4764
617.3146	6	I	15	1630.9129	815.9604
704.3466	7	S	14	1517.8288	**759.4183**
818.3896	8	N	13	1430.7968	**715.9023**
931.4736	9	L	12	1316.7539	**658.8808**
1018.5057	10	S	11	1203.6698	**602.3388**
1147.5482	11	E	10	1116.6378	**558.8228**
1218.5854	12	A	9	987.5952	**494.3015**
1275.6068	13	G	8	916.5581	**458.7829**
1362.6389	14	S	7	859.5366	430.2722
1461.7073	15	V	6	772.5046	386.7562
1617.8336	16	K	5	673.4362	337.2220
1773.9599	17	K	4	**517.3099**	259.1588
1830.9813	18	G	3	361.1836	181.0957
1960.0239	19	E	2	304.1621	152.5850
	20	R	1	**175.1195**	88.0637

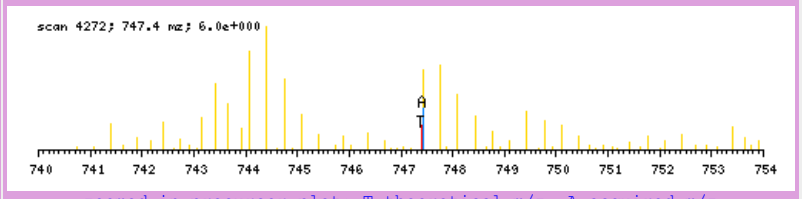
N-term:+29.04 K(16):+156.13
K(17):+156.13

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

TASNVSSVPLPAENVTITAGQR, MH+ 2240.1886, m/z 747.4011
L OS G12 P120811 220811-s1.04276.04276.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



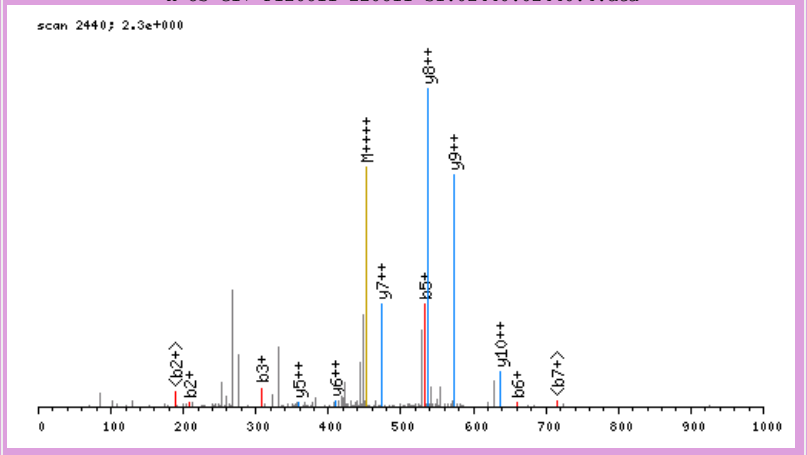
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	22		
201.1239	2	A	21	2111.1097	1056.0587
288.1559	3	S	20	2040.0726	1020.5402
402.1988	4	N	19	1953.0405	977.0242
501.2673	5	V	18	1838.9976	920.0027
588.2993	6	S	17	1739.9292	870.4685
675.3313	7	S	16	1652.8972	826.9525
774.3997	8	V	15	1565.8651	783.4365
871.4525	9	P	14	1466.7967	733.9023
984.5366	10	L	13	1369.7440	685.3759
1081.5893	11	P	12	**1256.6599**	**628.8339**
1152.6264	12	A	11	1159.6071	580.3075
1281.6690	13	E	10	**1088.5700**	544.7889
1395.7120	14	N	9	**959.5274**	480.2676
1494.7804	15	V	8	845.4845	423.2462
1595.8281	16	T	7	**746.4161**	373.7120
1708.9121	17	I	6	645.3684	323.1881
1809.9598	18	T	5	**532.2843**	266.6461
1880.9969	19	A	4	**431.2367**	216.1222
1938.0184	20	G	3	**360.1995**	180.6037
2066.0769	21	Q	2	303.1781	152.0930
	22	R	1	175.1195	88.0637

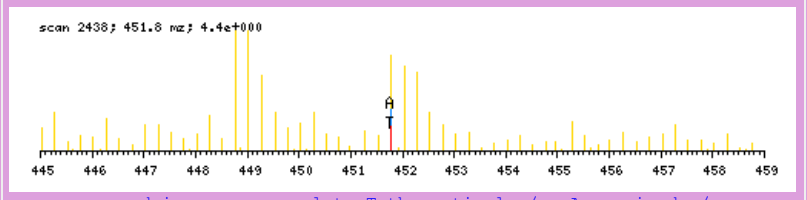
N-term:+29.04

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

TATPQQAQEVHEKLR, MH+ 1804.0353, m/z 451.7643
H OS G17 P120811 220811-s1.02440.02440.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



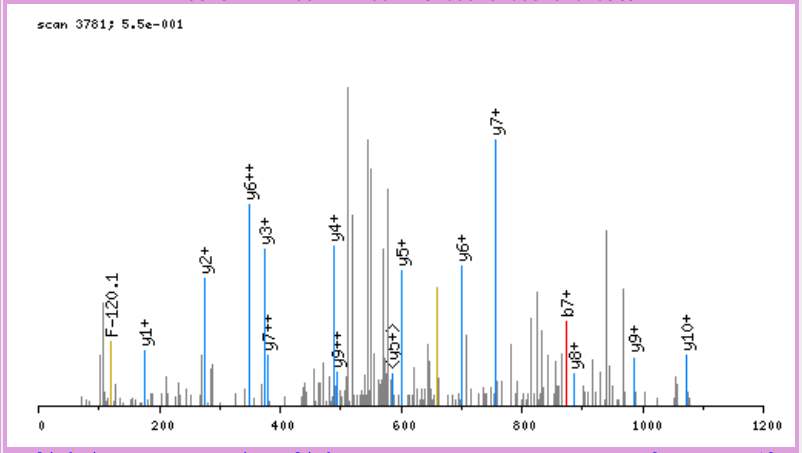
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

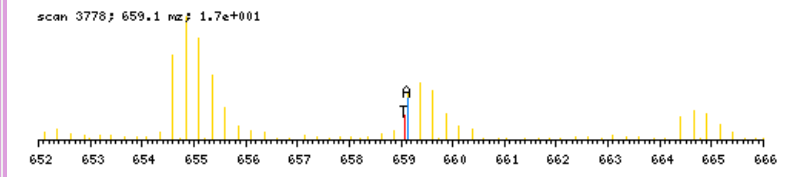
N-term:+35.07 K(13):+162.16

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 G17 P120811 220811-s1.03781.03781.4.dta



click image to zoom in; click top corners to zoom out [precursor]



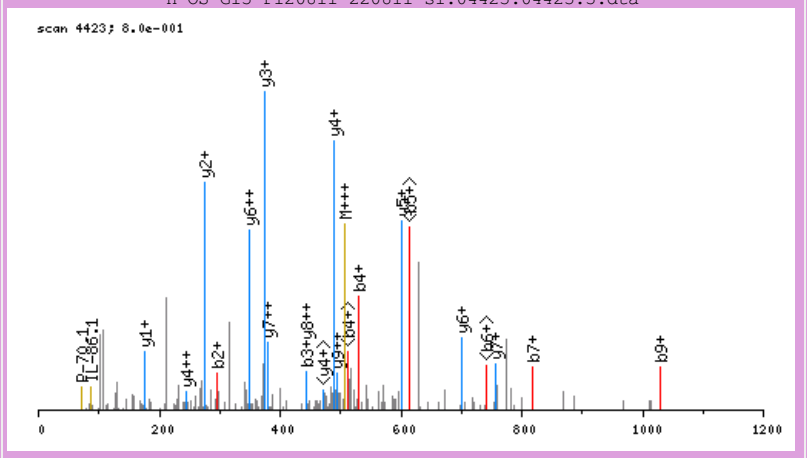
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

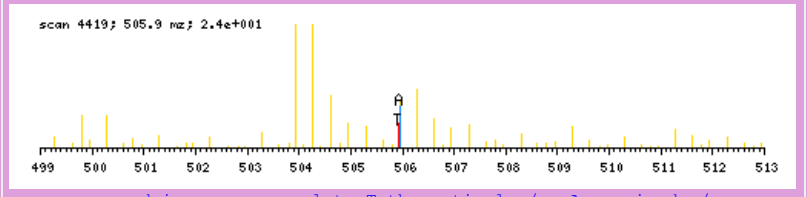
N-term:+35.07 C(2):+160.03
C(3):+160.03 K(4):+162.16 K(8):+162.16
C(11):+160.03

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 G13 P120811 220811-s1.04423.04423.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



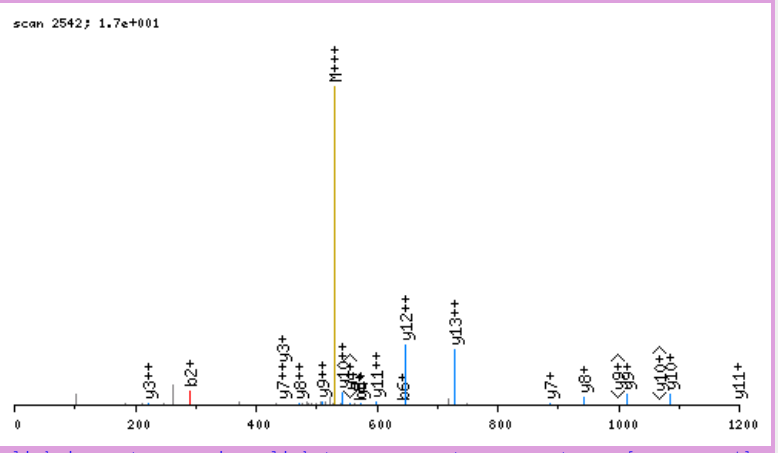
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

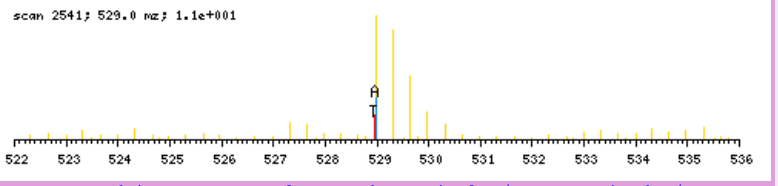
N-term:+35.07 C(2):+160.03

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+ 1584.8531, m/z 528.9559
L OS G15 P120811 220811-s1.02542.02542.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



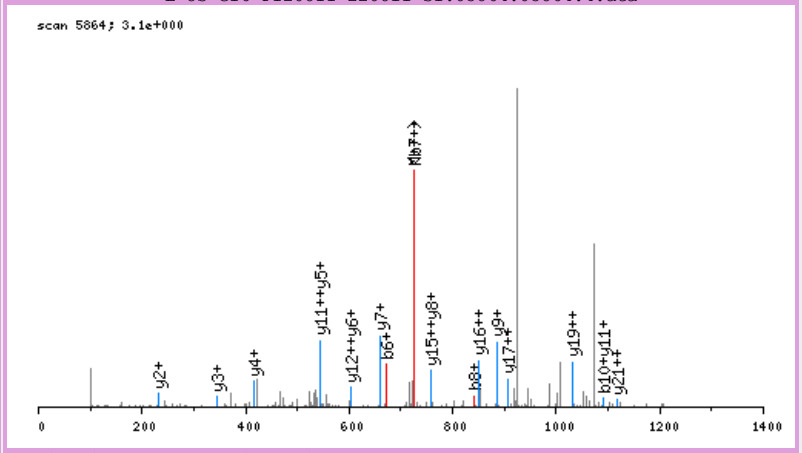
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
290.1174	2	C	13	1455.7742	**728.3910**
387.1701	3	P	12	1295.7436	**648.3757**
500.2542	4	L	11	**1198.6908**	**599.8493**
571.2913	5	A	10	**1085.6068**	**543.3073**
642.3284	6	A	9	**1014.5697**	**507.7887**
699.3499	7	G	8	**943.5325**	**472.2702**
756.3714	8	G	7	**886.5111**	**443.7595**
884.4299	9	Q	6	829.4896	415.2487
1012.4885	10	Q	5	701.4310	351.2194
1141.5311	11	E	4	**573.3725**	287.1901
1297.6574	12	K	3	**444.3299**	**222.6688**
1410.7415	13	L	2	288.2036	144.6057
	14	R	1	175.1195	88.0637

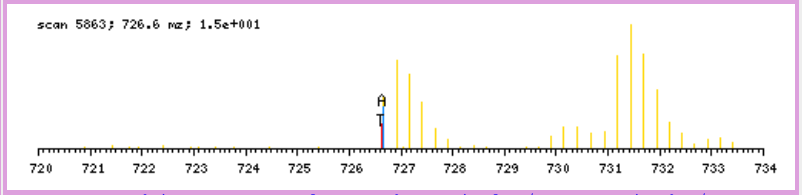
N-term:+29.04 C(2):+160.03
K(12):+156.13

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

TDAEKAAVSCLWGKVNSDEVGGEALGR, MH+ 2903.4573, m/z 726.6198
L OS G16 P120811 220811-s1.05864.05864.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



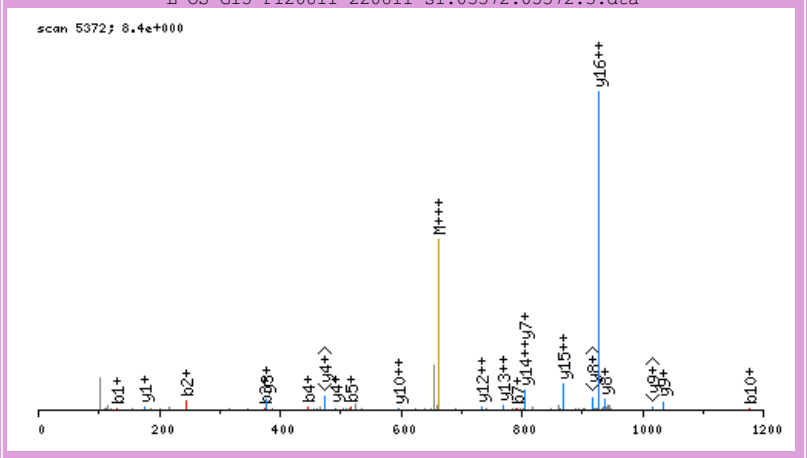
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	27		
245.1137	2	D	26	2774.3783	1387.6931
316.1508	3	A	25	2659.3514	1330.1796
445.1934	4	E	24	2588.3143	1294.6611
601.3197	5	K	23	2459.2717	1230.1398
672.3568	6	A	22	2303.1454	1152.0766
743.3940	7	A	21	2232.1083	**1116.5581**
842.4624	8	V	20	2161.0712	1081.0395
929.4944	9	S	19	2062.0028	**1031.5053**
1089.5250	10	C	18	1974.9707	987.9893
1202.6091	11	L	17	1814.9401	**907.9740**
1388.6884	12	W	16	1701.8561	**851.4319**
1445.7098	13	G	15	1515.7767	**758.3923**
1601.8361	14	K	14	1458.7553	729.8816
1700.9046	15	V	13	1302.6290	651.8184
1814.9475	16	N	12	1203.5606	**602.2842**
1901.9795	17	S	11	**1089.5176**	**545.2627**
2017.0065	18	D	10	1002.4856	501.7467
2146.0490	19	E	9	**887.4587**	444.2332
2245.1175	20	V	8	**758.4161**	379.7120
2302.1389	21	G	7	**659.3477**	330.1777
2359.1604	22	G	6	**602.3262**	301.6670
2488.2030	23	E	5	**545.3047**	273.1563
2559.2401	24	A	4	**416.2621**	208.6350
2672.3242	25	L	3	**345.2250**	173.1164
2729.3456	26	G	2	**232.1410**	116.5744
	27	R	1	175.1195	88.0637

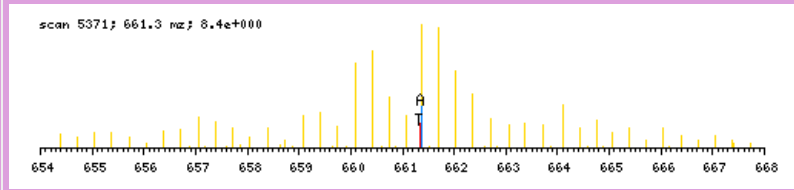
N-term:+29.04 K(5):+156.13
C(10):+160.03 K(14):+156.13

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

TDEAAFQKVMSNLDSNR, MH+ 1981.9653, m/z 661.3266
L OS G15 P120811 220811-s1.05372.05372.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



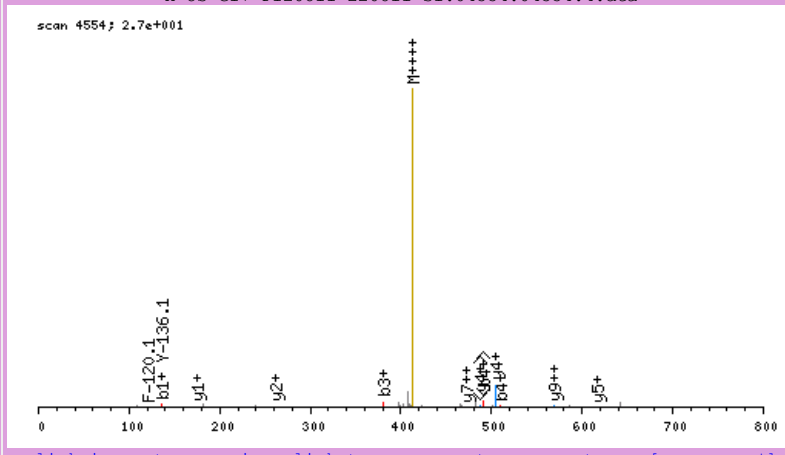
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**17**		
245.1137	**2**	**D**	**16**	1852.8864	**926.9471**
374.1563	**3**	**E**	**15**	1737.8594	**869.4336**
445.1934	**4**	**A**	**14**	1608.8168	**804.9123**
516.2305	**5**	**A**	**13**	1537.7797	**769.3938**
663.2990	**6**	**F**	**12**	1466.7426	**733.8752**
791.3575	**7**	**Q**	**11**	1319.6742	660.3410
947.4838	**8**	**K**	**10**	1191.6156	**596.3117**
1046.5522	**9**	**V**	**9**	**1035.4893**	518.2486
1177.5927	**10**	**M**	**8**	**936.4209**	468.7144
1264.6248	**11**	**S**	**7**	**805.3804**	403.1941
1378.6677	**12**	**N**	**6**	718.3484	359.6781
1491.7518	**13**	**L**	**5**	604.3055	302.6566
1606.7787	**14**	**D**	**4**	**491.2214**	246.1146
1693.8107	**15**	**S**	**3**	**376.1945**	188.6011
1807.8537	**16**	**N**	**2**	289.1624	145.0851
	17	**R**	**1**	**175.1195**	88.0637

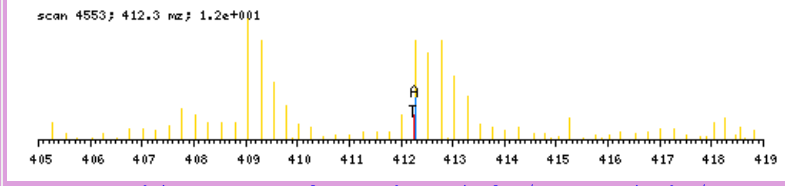
N-term:+29.04 K(8):+156.13

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

TDEEPVKKLLESR, MH+ 1646.0225, m/z 412.2611
H OS G17 P120811 220811-s1.04554.04554.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



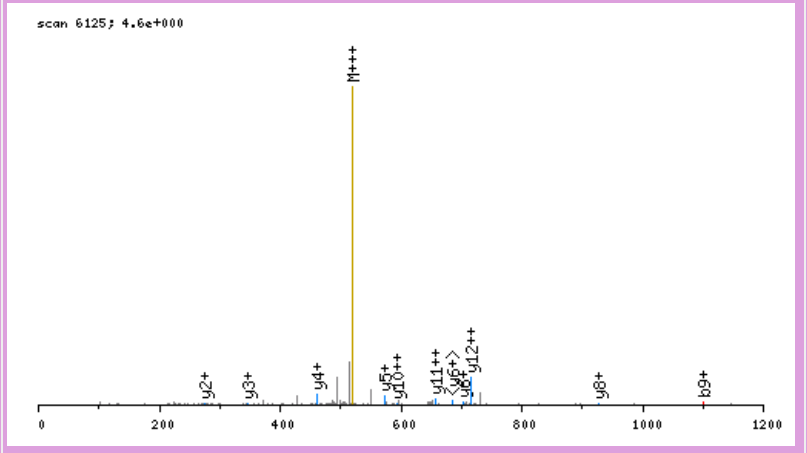
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	**1**	**T**	**13**		
251.1455	**2**	**D**	**12**	1510.9118	755.9598
380.1881	**3**	**E**	**11**	1395.8848	698.4463
509.2307	**4**	**E**	**10**	1266.8422	633.9250
606.2835	**5**	**P**	**9**	1137.7996	**569.4037**
705.3519	**6**	**V**	**8**	1040.7469	520.8773
867.5100	**7**	**K**	**7**	941.6785	**471.3431**
1029.6681	**8**	**K**	**6**	779.5204	390.2641
1142.7521	**9**	**L**	**5**	**617.3623**	309.1850
1255.8362	**10**	**L**	**4**	**504.2782**	252.6430
1384.8788	**11**	**E**	**3**	391.1941	196.1010
1471.9108	**12**	**S**	**2**	**262.1515**	131.5797
	13	**R**	**1**	**175.1195**	88.0637

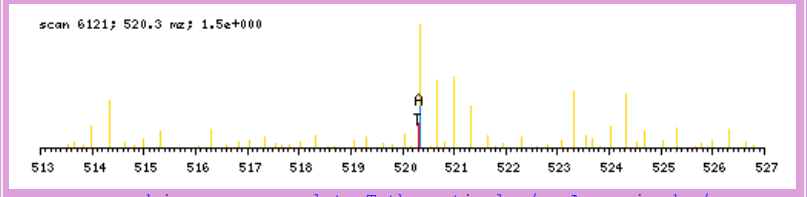
N-term:+35.07 K(7):+162.16
K(8):+162.16

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

TDEKTLIEILATR, MH+ 1558.9056, m/z 520.3067
L OS G15 P120811 220811-s1.06125.06125.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



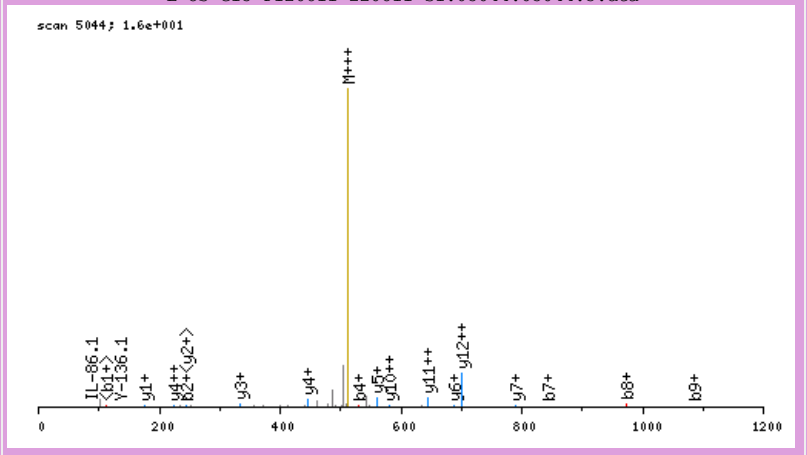
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
245.1137	2	D	12	1429.8267	**715.4172**
374.1563	3	E	11	1314.7997	**657.9038**
530.2826	4	K	10	1185.7571	**593.3825**
631.3303	5	T	9	1029.6308	515.3193
744.4144	6	L	8	**928.5831**	464.7955
857.4984	7	I	7	815.4991	408.2535
986.5410	8	E	6	**702.4150**	351.7114
1099.6251	9	I	5	**573.3724**	287.1901
1212.7091	10	L	4	**460.2884**	230.6481
1283.7463	11	A	3	**347.2043**	174.1061
1384.7939	12	T	2	**276.1672**	138.5875
	13	R	1	175.1195	88.0637

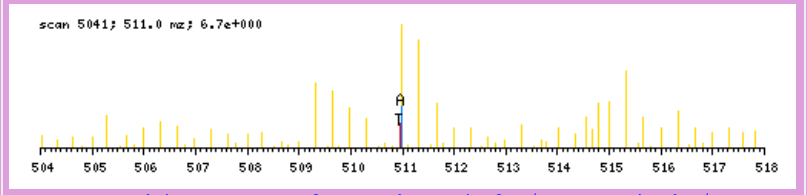
N-term:+29.04 K(4):+156.13

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

TDEKVLTEIIASR, MH+ 1530.8743, m/z 510.9630
L OS G15 P120811 220811-s1.05044.05044.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



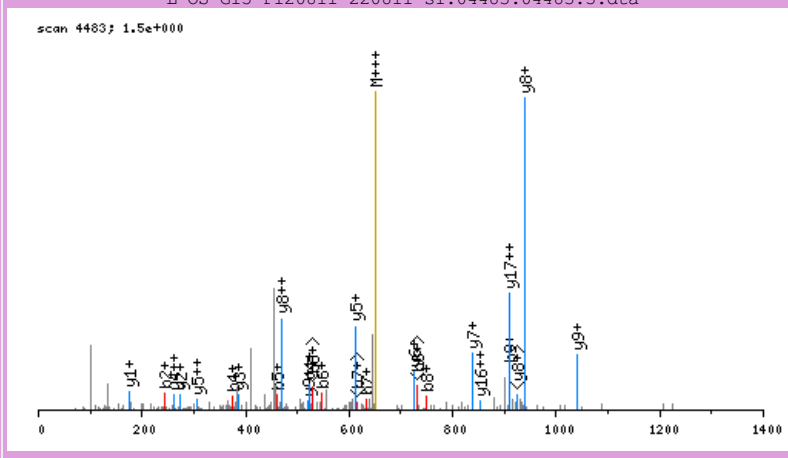
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
245.1137	2	D	12	1401.7954	**701.4016**
374.1563	3	E	11	1286.7684	**643.8881**
530.2826	4	K	10	1157.7258	**579.3668**
629.3510	5	V	9	1001.5995	501.3037
742.4351	6	L	8	902.5311	451.7695
843.4828	7	T	7	**789.4470**	395.2274
972.5254	8	E	6	**688.3994**	344.7036
1085.6094	9	I	5	**559.3568**	280.1823
1198.6935	10	I	4	**446.2727**	**223.6403**
1269.7306	11	A	3	**333.1886**	167.0982
1356.7626	12	S	2	262.1515	131.5797
	13	R	1	**175.1195**	88.0637

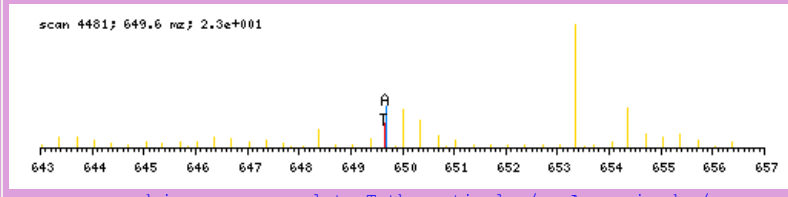
N-term:+29.04 K(4):+156.13

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

TDGASSSNCVTDISHLVR, MH+ 1946.9241, m/z 649.6462
L OS G15 P120811 220811-s1.04483.04483.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



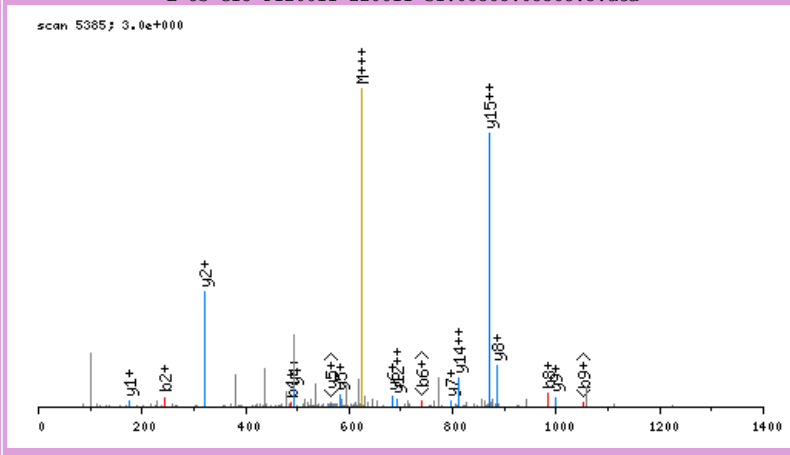
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
245.1137	2	D	17	1817.8452	**909.4265**
302.1352	3	G	16	1702.8182	**851.9130**
373.1723	4	A	15	1645.7967	823.4023
460.2043	5	S	14	1574.7596	787.8837
547.2364	6	S	13	1487.7276	744.3677
634.2684	7	S	12	1400.6956	700.8517
748.3113	8	N	11	1313.6635	657.3357
908.3419	9	C	10	1199.6206	600.3142
1007.4103	10	V	9	**1039.5900**	**520.2989**
1108.4580	11	T	8	**940.5216**	**470.7647**
1223.4849	12	D	7	**839.4739**	420.2409
1336.5690	13	I	6	**724.4470**	362.7274
1423.6010	14	S	5	**611.3629**	**306.1854**
1560.6600	15	H	4	**524.3309**	**262.6694**
1673.7440	16	L	3	**387.2720**	194.1399
1772.8124	17	V	2	**274.1879**	137.5979
	18	R	1	**175.1195**	88.0637

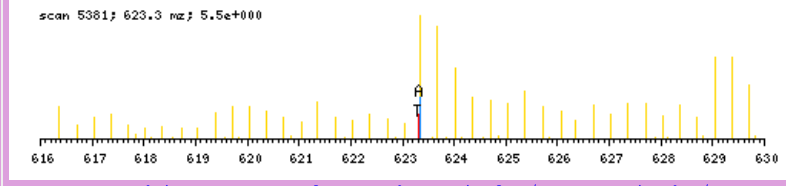
N-term:+29.04 C(9):+160.03

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

TDLEKDIISDTSGDFR, MH+ 1867.9289, m/z 623.3145
L OS G15 P120811 220811-s1.05385.05385.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



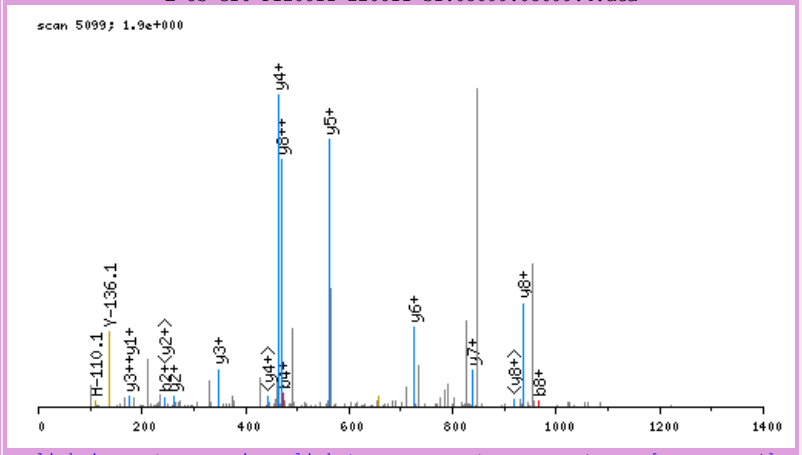
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
245.1137	2	D	15	1738.8500	**869.9289**
358.1978	3	L	14	1623.8230	**812.4154**
487.2404	4	E	13	1510.7390	755.8734
643.3667	5	K	12	1381.6964	**691.3521**
758.3936	6	D	11	1225.5701	613.2889
871.4777	7	I	10	1110.5431	555.7755
984.5617	8	I	9	**997.4591**	499.2334
1071.5938	9	S	8	**884.3750**	442.6914
1186.6207	10	D	7	**797.3430**	399.1754
1287.6684	11	T	6	**682.3160**	341.6619
1374.7004	12	S	5	**581.2683**	291.1381
1431.7219	13	G	4	**494.2363**	247.6221
1546.7488	14	D	3	437.2149	219.1113
1693.8172	15	F	2	**322.1879**	161.5979
	16	R	1	**175.1195**	88.0637

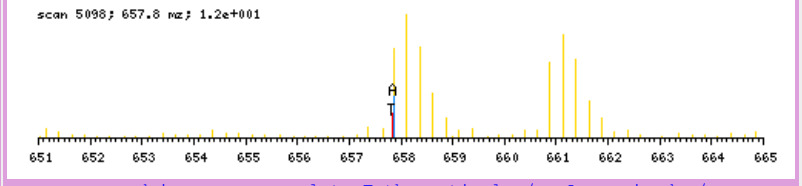
N-term:+29.04 K(5):+156.13

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

TDLNHENLKGGDDLDPNYVLSSR, MH+ 2628.2906, m/z 657.8281
L OS G16 P120811 220811-s1.05099.05099.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



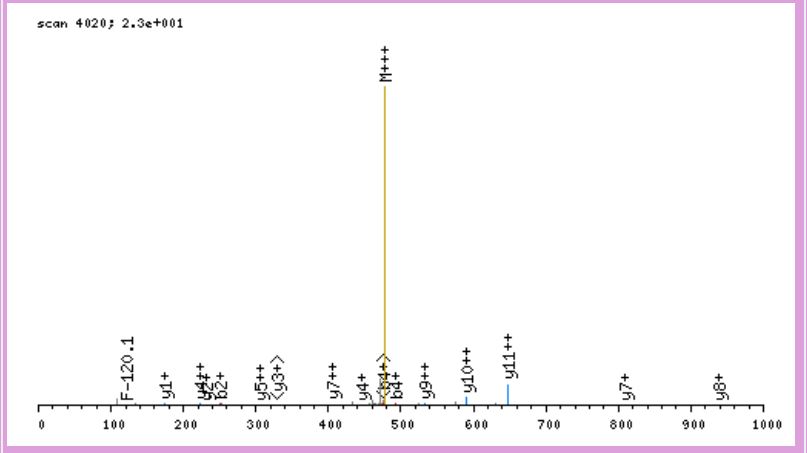
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	23		
245.1137	2	D	22	2499.2116	1250.1097
358.1978	3	L	21	2384.1847	1192.5962
472.2407	4	N	20	2271.1006	1136.0542
609.2996	5	H	19	2157.0577	1079.0327
738.3422	6	E	18	2019.9988	1010.5033
852.3851	7	N	17	1890.9562	945.9820
965.4692	8	L	16	1776.9132	888.9605
1121.5955	9	K	15	1663.8292	832.4185
1178.6170	10	G	14	1507.7029	754.3554
1235.6384	11	G	13	1450.6814	725.8446
1350.6654	12	D	12	1393.6599	697.3339
1465.6923	13	D	11	1278.6330	639.8204
1578.7764	14	L	10	1163.6061	582.3069
1693.8033	15	D	9	1050.5220	525.7649
1790.8561	16	P	8	**935.4951**	**468.2514**
1904.8990	17	N	7	**838.4423**	419.7251
2067.9624	18	Y	6	**724.3994**	362.7036
2167.0308	19	V	5	**561.3360**	281.1719
2280.1148	20	L	4	**462.2676**	231.6377
2367.1469	21	S	3	**349.1836**	**175.0957**
2454.1789	22	S	2	**262.1515**	131.5797
	23	R	1	**175.1195**	88.0637

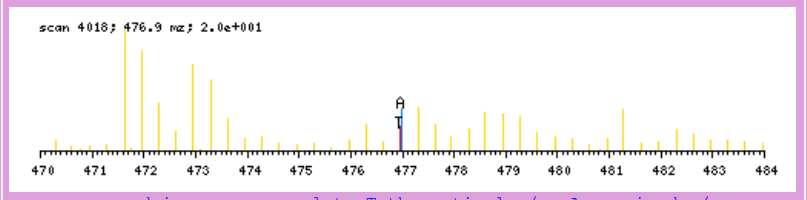
N-term:+29.04 K(9):+156.13

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

TDLQEAEKTIGR, MH+ 1428.8334, m/z 476.9493
H OS G16 P120811 220811-s1.04020.04020.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



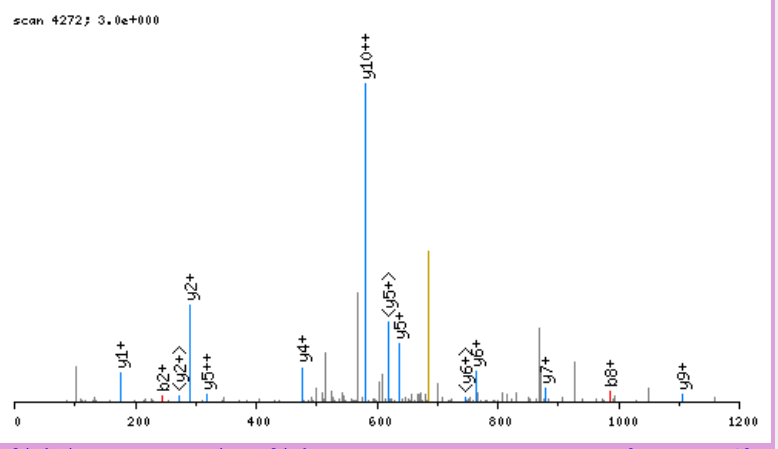
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

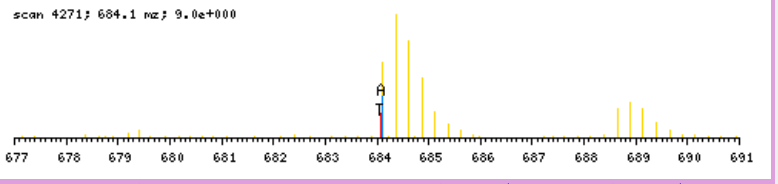
N-term:+35.07 K(8):+162.16

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

TDLTKVNKECCHGDLLECADDR, MH+ 2733.2645, m/z 684.0716
L OS G18 P120811 220811-s1.04272.04272.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



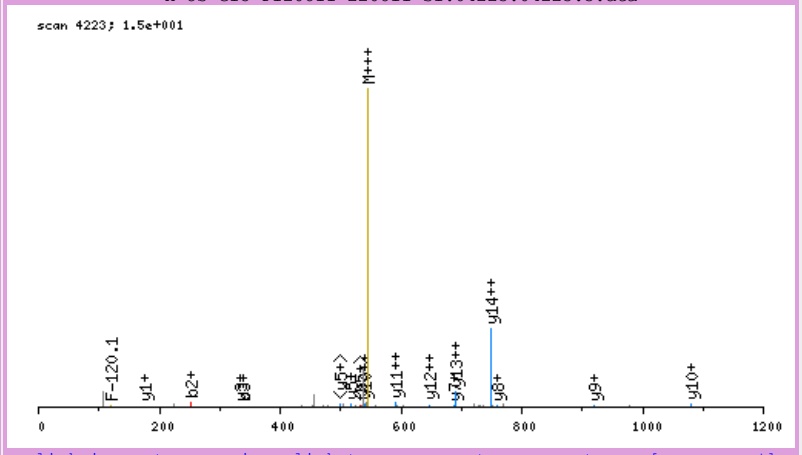
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	22		
245.1137	2	D	21	2604.1856	1302.5967
358.1978	3	L	20	2489.1586	1245.0832
459.2455	4	T	19	2376.0746	1188.5412
615.3718	5	K	18	2275.0269	1138.0174
714.4402	6	V	17	2118.9006	1059.9542
828.4831	7	N	16	2019.8322	1010.4200
984.6094	8	K	15	1905.7892	953.3985
1113.6520	9	E	14	1749.6629	875.3354
1273.6826	10	C	13	1620.6203	810.8141
1433.7132	11	C	12	1460.5897	730.7988
1570.7721	12	H	11	1300.5591	650.7835
1627.7936	13	G	10	1163.5002	**582.2540**
1742.8205	14	D	9	**1106.4788**	553.7433
1855.9046	15	L	8	991.4518	496.2298
1968.9886	16	L	7	**878.3678**	439.6878
2098.0312	17	E	6	**765.2837**	383.1458
2258.0618	18	C	5	**636.2411**	**318.6245**
2329.0990	19	A	4	**476.2105**	238.6092
2444.1259	20	D	3	405.1734	203.0906
2559.1528	21	D	2	**290.1464**	145.5771
	22	R	1	**175.1195**	88.0637

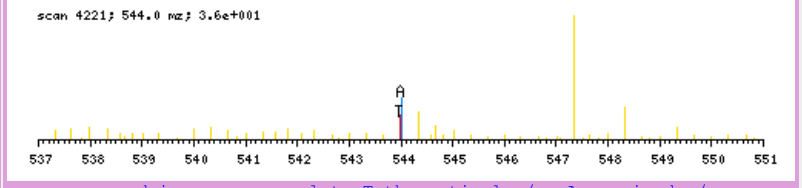
N-term:+29.04 K(5):+156.13
K(8):+156.13 C(10):+160.03
C(11):+160.03 C(18):+160.03

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

TDSLVCKAGIIASAR, MH+ 1629.9634, m/z 543.9926
H OS G15 P120811 220811-s1.04223.04223.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



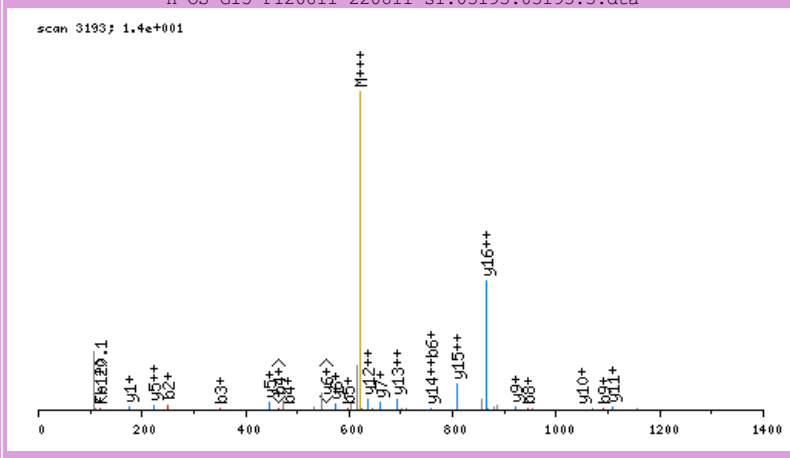
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	15		
251.1455	2	D	14	1494.8526	**747.9302**
338.1776	3	S	13	1379.8257	**690.4167**
451.2616	4	L	12	1292.7936	**646.9007**
550.3300	5	V	11	1179.7096	**590.3587**
710.3606	6	C	10	**1080.6412**	**540.8245**
872.5187	7	K	9	**920.6106**	460.8092
943.5558	8	A	8	**758.4525**	379.7301
1000.5773	9	G	7	**687.4153**	344.2116
1113.6614	10	I	6	630.3939	315.7009
1226.7454	11	I	5	**517.3098**	259.1588
1297.7825	12	A	4	404.2258	202.6168
1384.8146	13	S	3	**333.1886**	167.0982
1455.8517	14	A	2	246.1566	123.5822
	15	R	1	**175.1195**	88.0637

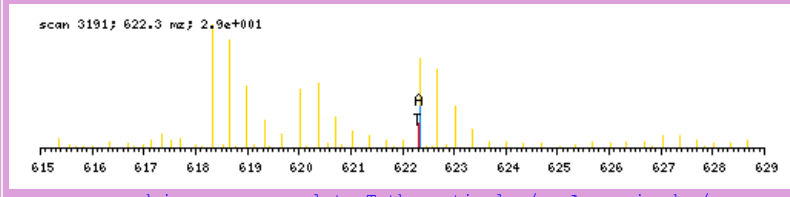
N-term:+35.07 C(6):+160.03
K(7):+162.16

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

TDTEDKGEFLSEGGGVR, MH+ 1864.9565, m/z 622.3237
H OS G15 P120811 220811-s1.03193.03193.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



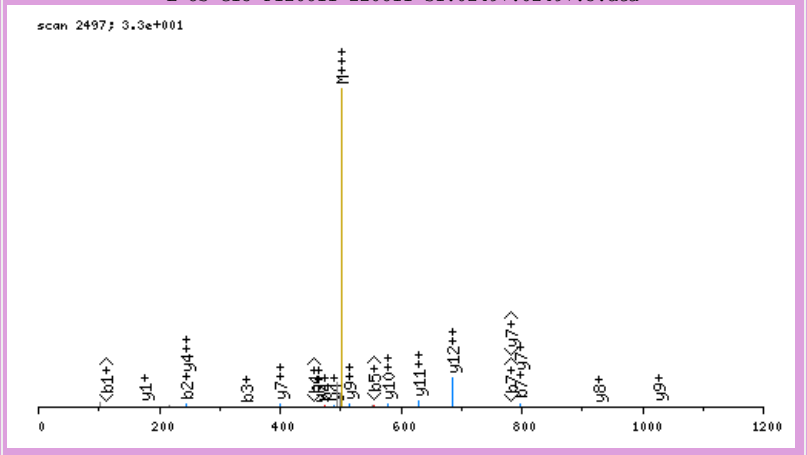
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	17		
251.1455	2	D	16	1729.8457	**865.4268**
352.1932	3	T	15	1614.8188	**807.9133**
481.2358	4	E	14	1513.7711	**757.3895**
596.2627	5	D	13	1384.7285	**692.8682**
758.4208	6	K	12	1269.7016	**635.3547**
815.4423	7	G	11	**1107.5435**	554.2756
944.4849	8	E	10	**1050.5220**	525.7649
1091.5533	9	F	9	**921.4794**	461.2436
1204.6374	10	L	8	774.4110	387.7094
1291.6694	11	S	7	**661.3269**	331.1674
1420.7120	12	E	6	**574.2949**	287.6514
1477.7335	13	G	5	**445.2523**	**223.1301**
1534.7549	14	G	4	388.2308	194.6193
1591.7764	15	G	3	331.2094	166.1086
1690.8448	16	V	2	274.1879	137.5979
	17	R	1	**175.1195**	88.0637

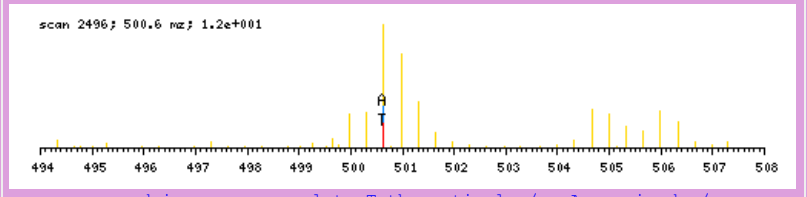
N-term:+35.07 K(6):+162.16

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

TDVETQPGKTVIR, MH+ 1499.8433, m/z 500.6193
L OS G15 P120811 220811-s1.02497.02497.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



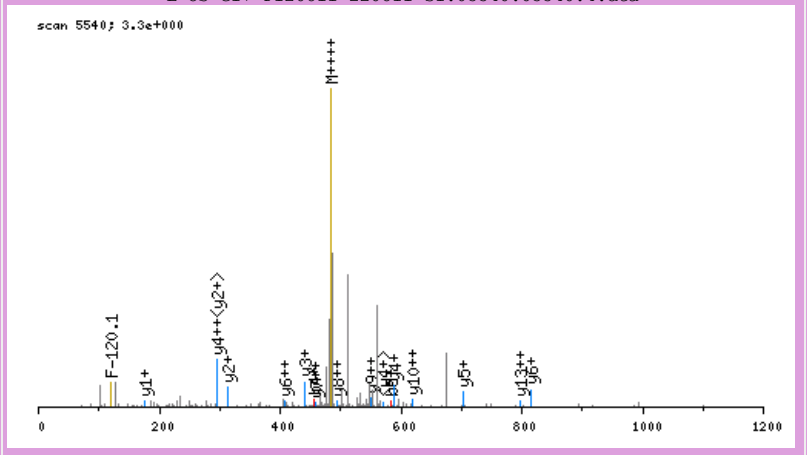
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

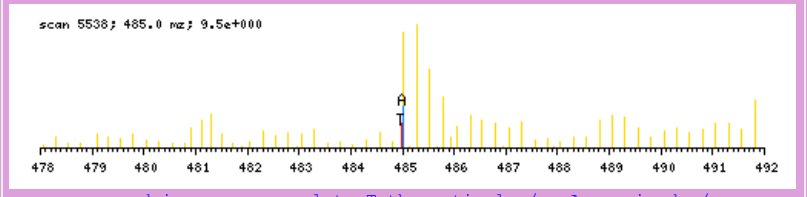
N-term:+29.04 K(9):+156.13

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

TDVLQDHNAVLDFEHR, MH+ 1936.9517, m/z 484.9934
L OS G17 P120811 220811-s1.05540.05540.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



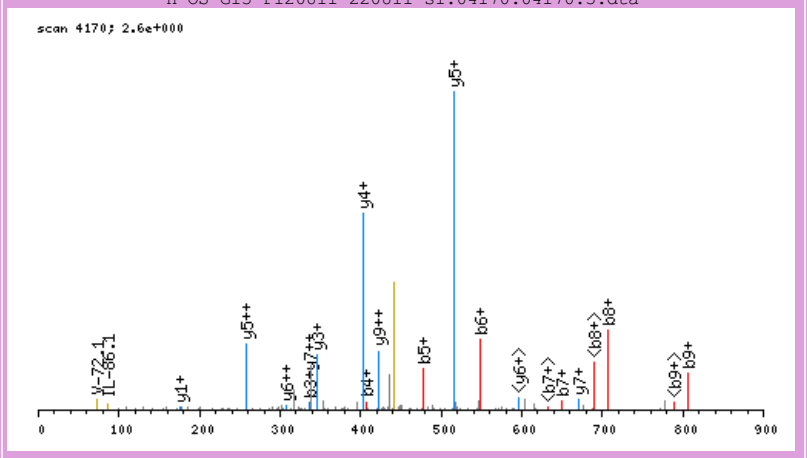
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
245.1137	2	D	15	1807.8727	904.4403
344.1821	3	V	14	1692.8458	846.9268
457.2662	4	L	13	1593.7774	**797.3926**
585.3248	5	Q	12	1480.6933	740.8506
700.3517	6	D	11	1352.6347	676.8213
837.4106	7	H	10	1237.6078	**619.3078**
951.4536	8	N	9	1100.5489	**550.7784**
1022.4907	9	A	8	986.5060	**493.7569**
1121.5591	10	V	7	915.4688	**458.2383**
1234.6432	11	L	6	**816.4004**	**408.7041**
1349.6701	12	D	5	**703.3164**	352.1621
1496.7385	13	F	4	**588.2894**	**294.6486**
1625.7811	14	E	3	**441.2210**	221.1144
1762.8400	15	H	2	**312.1784**	156.5931
	16	R	1	**175.1195**	88.0637

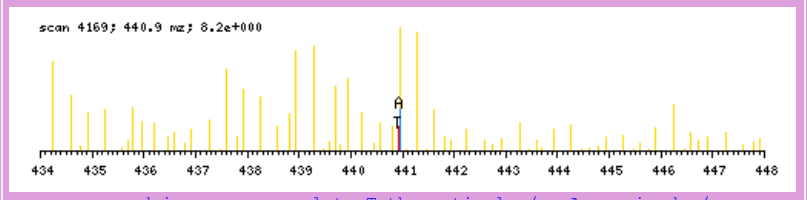
N-term:+29.04

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

TEAAAATGVIGGIR, MH+ 1320.7699, m/z 440.9282
H OS G13 P120811 220811-s1.04170.04170.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



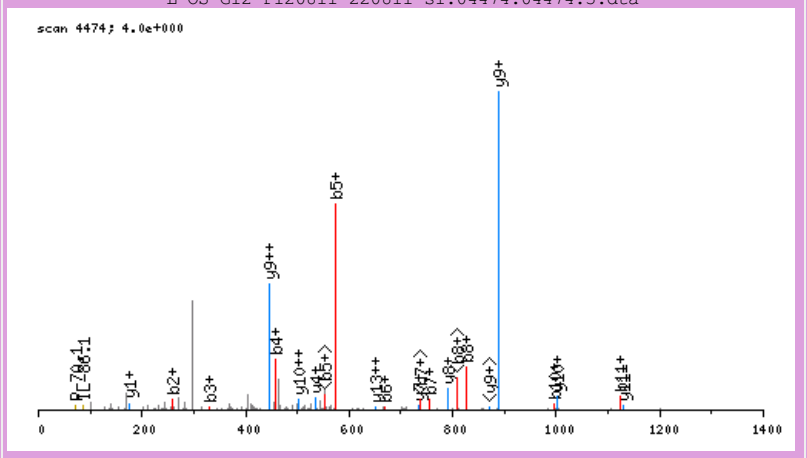
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

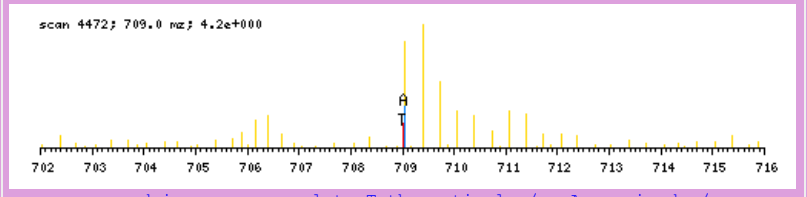
N-term:+35.07

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

TEAELPSAPAELPGGAACLSR, MH+ 2125.0599, m/z 709.0248
L OS G12 P120811 220811-s1.04474.04474.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



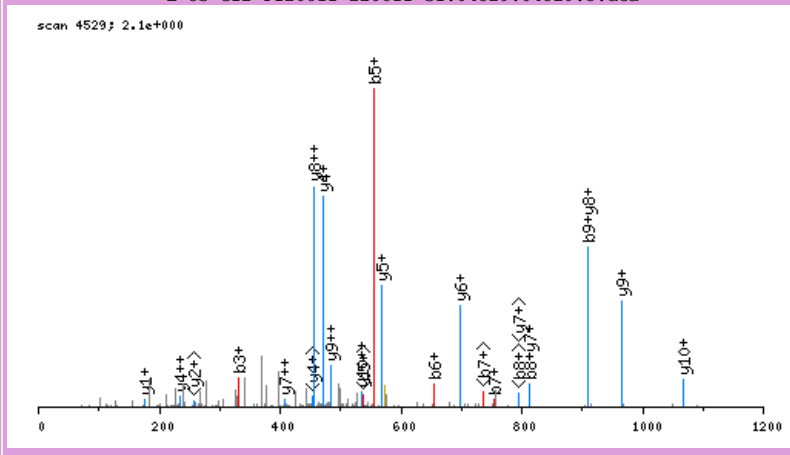
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
259.1294	2	E	20	1995.9809	998.4944
330.1665	3	A	19	1866.9383	933.9731
459.2091	4	E	18	1795.9012	898.4545
572.2931	5	L	17	1666.8586	833.9332
669.3459	6	P	16	1553.7746	777.3912
756.3779	7	S	15	1456.7218	728.8648
827.4150	8	A	14	1369.6898	685.3488
924.4678	9	P	13	1298.6526	649.8302
995.5049	10	A	12	1201.5999	601.3039
1124.5475	11	E	11	1130.5628	565.7853
1237.6316	12	L	10	1001.5202	501.2640
1334.6843	13	P	9	888.4361	444.7220
1391.7058	14	G	8	791.3833	396.1956
1448.7273	15	G	7	734.3619	367.6849
1519.7644	16	A	6	677.3404	339.1741
1590.8015	17	A	5	606.3033	303.6556
1750.8321	18	C	4	535.2662	268.1370
1863.9162	19	L	3	375.2356	188.1217
1950.9482	20	S	2	262.1515	131.5797
	21	R	1	175.1195	88.0637

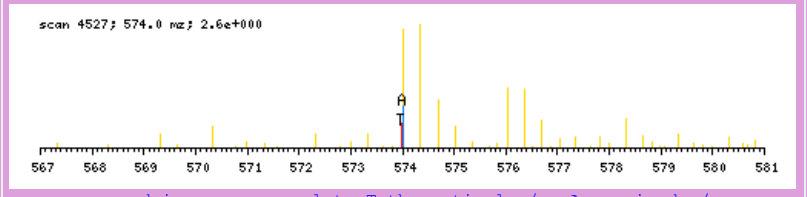
N-term:+29.04 C(18):+160.03

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

TEAPQVTGPIEVPVVR, MH+ 1719.9645, m/z 573.9930
L OS G12 P120811 220811-s1.04529.04529.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



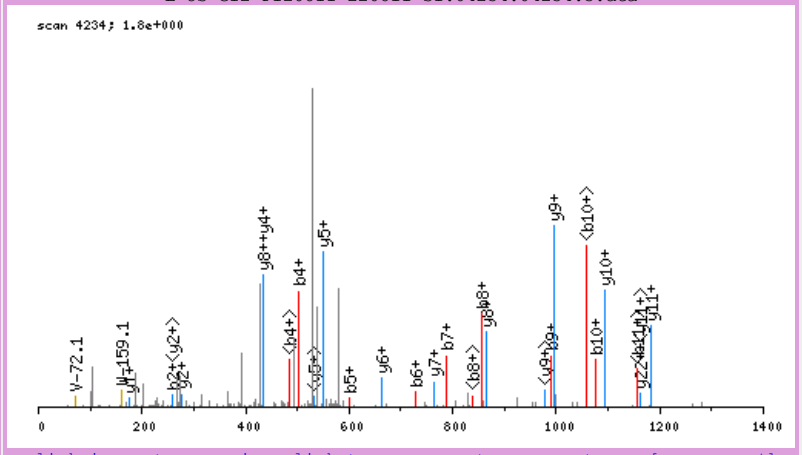
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
259.1294	2	E	15	1590.8855	795.9467
330.1665	3	A	14	1461.8429	731.4254
427.2192	4	P	13	1390.8058	695.9068
555.2778	5	Q	12	1293.7531	647.3804
654.3462	6	V	11	1165.6945	583.3512
755.3939	7	T	10	**1066.6261**	**533.8169**
812.4154	8	G	9	**965.5784**	**483.2931**
909.4681	9	P	8	**908.5569**	**454.7824**
1022.5522	10	I	7	**811.5042**	**406.2560**
1151.5948	11	E	6	**698.4201**	349.7140
1250.6632	12	V	5	**569.3775**	285.1927
1347.7160	13	P	4	**470.3091**	**235.6585**
1446.7844	14	V	3	373.2563	187.1321
1545.8528	15	V	2	274.1879	137.5979
	16	R	1	**175.1195**	88.0637

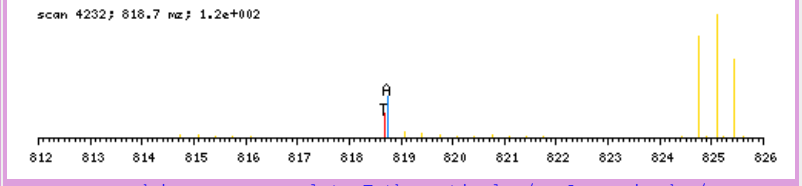
N-term:+29.04

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

TEEDPEGAMSVVSVETTDDGTTR, MH+ 2454.0830, m/z 818.6992
L OS G12 P120811 220811-s1.04234.04234.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



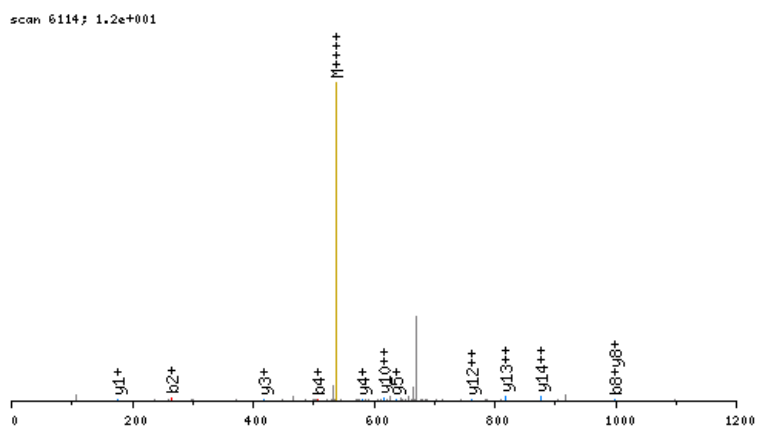
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	23		
259.1294	2	E	22	2325.0040	**1163.0059**
388.1720	3	E	21	2195.9614	1098.4846
503.1989	4	D	20	2066.9188	1033.9633
600.2517	5	P	19	1951.8919	976.4499
729.2943	6	E	18	1854.8391	927.9235
786.3157	7	G	17	1725.7965	863.4022
857.3528	8	A	16	1668.7751	834.8914
988.3933	9	M	15	1597.7379	799.3729
1075.4254	10	S	14	1466.6975	733.8526
1174.4938	11	V	13	1379.6654	690.3366
1273.5622	12	V	12	1280.5970	640.8024
1360.5942	13	S	11	**1181.5286**	591.2682
1459.6626	14	V	10	**1094.4966**	547.7522
1588.7052	15	E	9	**995.4282**	498.2180
1689.7529	16	T	8	**866.3856**	**433.6967**
1790.8006	17	T	7	**765.3379**	383.1729
1905.8275	18	D	6	**664.2902**	332.6490
2020.8545	19	D	5	**549.2633**	275.1355
2077.8759	20	G	4	**434.2363**	217.6221
2178.9236	21	T	3	377.2149	189.1113
2279.9713	22	T	2	**276.1672**	138.5875
	23	R	1	**175.1195**	88.0637

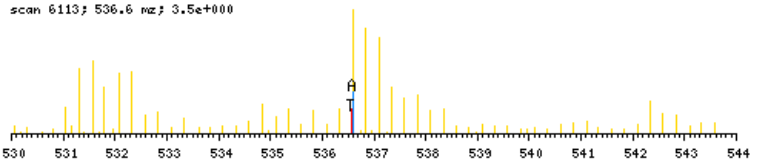
N-term:+29.04

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

TEEILEKSFSQFGKLER, MH+ 2143.2499, m/z 536.5679
H OS G17 P120811 220811-s1.06114.06114.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



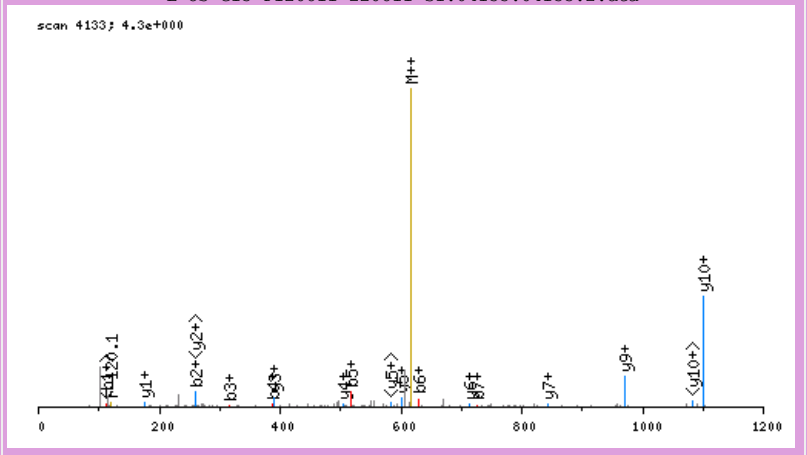
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

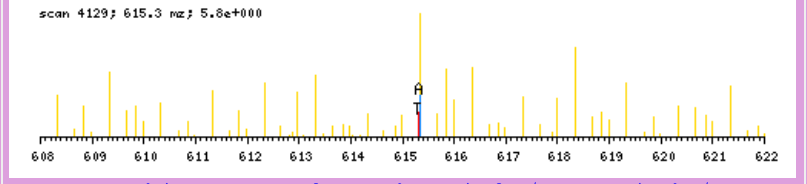
N-term:+35.07 K(7):+162.16
K(14):+162.16

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

TEGAELPDITR, MH+ 1229.6377, m/z 615.3225
L OS G13 P120811 220811-s1.04133.04133.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



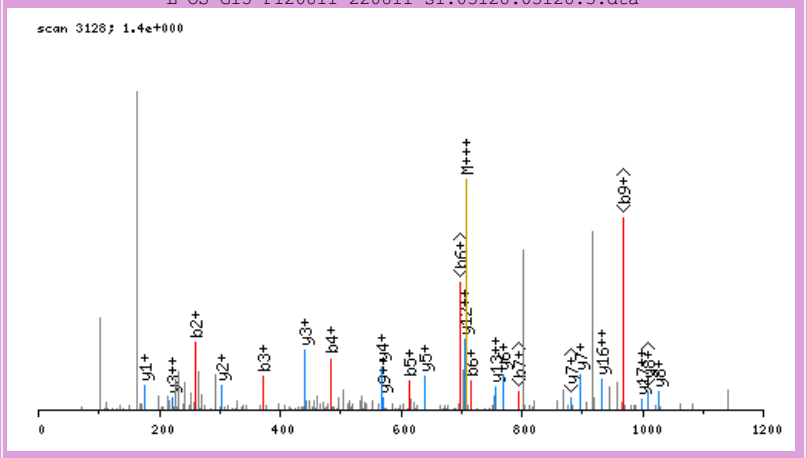
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
259.1294	2	E	10	1100.5588	550.7833
316.1508	3	G	9	971.5162	486.2620
387.1879	4	A	8	914.4947	457.7513
516.2305	5	E	7	843.4576	422.2327
629.3146	6	L	6	714.4150	357.7114
726.3674	7	P	5	601.3310	301.1694
841.3943	8	D	4	504.2782	252.6430
954.4784	9	I	3	389.2512	195.1295
1055.5261	10	T	2	276.1672	138.5875
	11	R	1	175.1195	88.0637

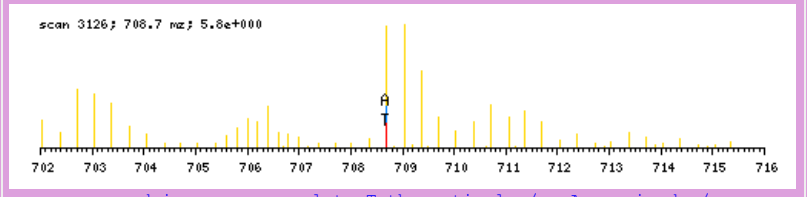
N-term:+29.04

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

TEILETPATNEQEAEHQR, MH+ 2124.0209, m/z 708.6785
L OS G15 P120811 220811-s1.03128.03128.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



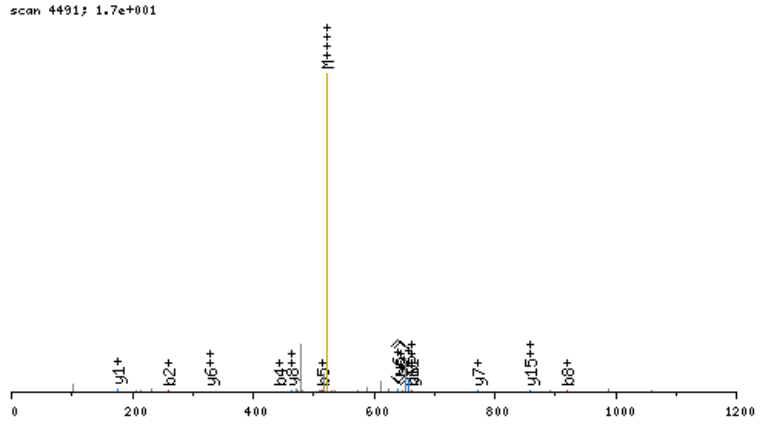
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
259.1294	2	E	17	1994.9419	**997.9749**
372.2134	3	I	16	1865.8993	**933.4536**
485.2975	4	L	15	1752.8153	876.9116
614.3401	5	E	14	1639.7312	820.3695
715.3878	6	T	13	1510.6886	**755.8482**
812.4405	7	P	12	1409.6409	**705.3244**
883.4776	8	A	11	1312.5882	656.7980
984.5253	9	T	10	1241.5511	621.2794
1098.5683	10	N	9	1140.5034	**570.7556**
1227.6108	11	E	8	**1026.4605**	513.7341
1355.6694	12	Q	7	**897.4179**	449.2128
1484.7120	13	E	6	**769.3593**	385.1836
1555.7491	14	A	5	**640.3167**	320.6623
1684.7917	15	E	4	**569.2796**	285.1437
1821.8506	16	H	3	**440.2370**	**220.6224**
1949.9092	17	Q	2	**303.1781**	152.0930
	18	R	1	**175.1195**	88.0637

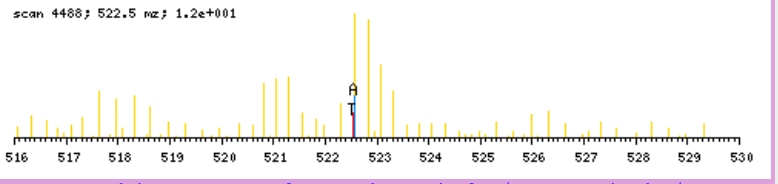
N-term:+29.04

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

TELAAFTKNQKDPGVLDR, MH+ 2087.1501, m/z 522.5430
L OS G16 P120811 220811-s1.04491.04491.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



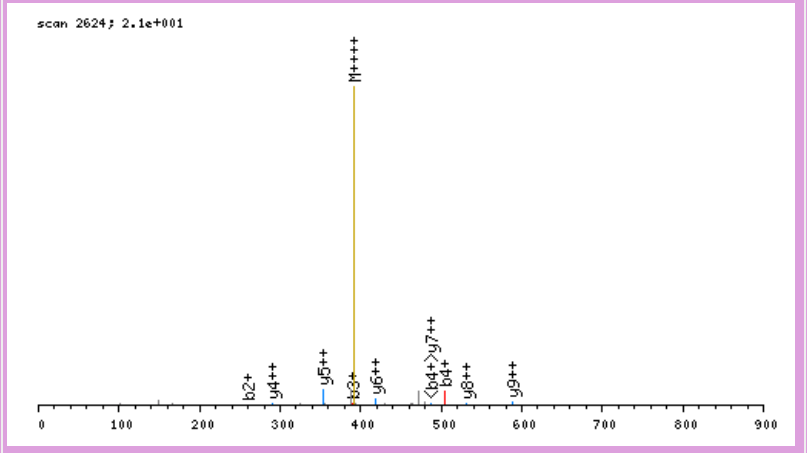
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
259.1294	2	E	17	1958.0712	979.5395
372.2134	3	L	16	1829.0286	915.0182
443.2505	4	A	15	1715.9445	**858.4762**
514.2877	5	A	14	1644.9074	822.9576
661.3561	6	F	13	1573.8703	787.4391
762.4038	7	T	12	1426.8019	713.9049
918.5301	8	K	11	1325.7542	**663.3810**
1032.5730	9	N	10	1169.6279	585.3179
1160.6316	10	Q	9	1055.5850	528.2964
1316.7579	11	K	8	927.5264	**464.2671**
1431.7848	12	D	7	**771.4001**	386.2040
1528.8376	13	P	6	**656.3731**	**328.6905**
1585.8590	14	G	5	559.3204	280.1641
1684.9274	15	V	4	502.2989	251.6534
1798.0115	16	L	3	403.2305	202.1192
1913.0385	17	D	2	290.1464	145.5771
	18	R	1	**175.1195**	88.0637

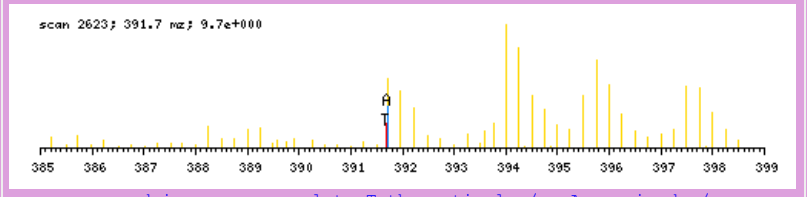
N-term:+29.04 K(8):+156.13
K(11):+156.13

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

TEMDSHEEKVFR, MH+ 1563.7477, m/z 391.6924
L OS G17 P120811 220811-s1.02624.02624.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



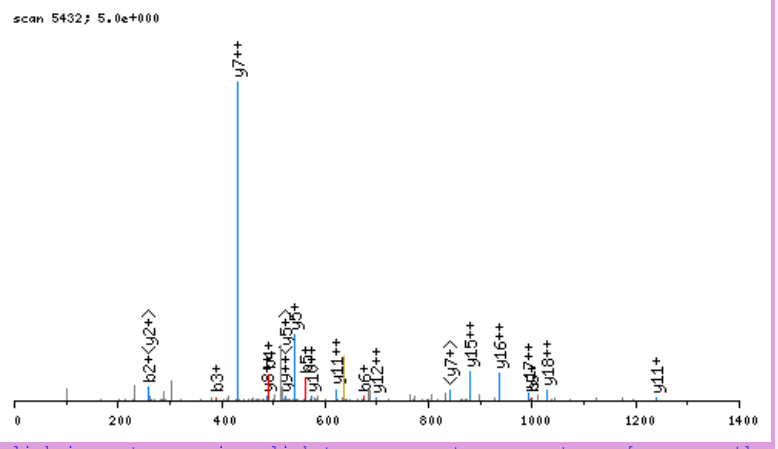
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
259.1294	2	E	11	1434.6688	717.8383
390.1699	3	M	10	1305.6262	653.3170
505.1968	4	D	9	1174.5857	587.7968
592.2288	5	S	8	1059.5588	530.2833
729.2877	6	H	7	972.5267	486.7673
858.3303	7	E	6	835.4678	418.2378
987.3729	8	E	5	706.4252	353.7165
1143.4992	9	K	4	577.3826	289.1952
1242.5676	10	V	3	421.2563	211.1321
1389.6361	11	F	2	322.1879	161.5979
	12	R	1	175.1195	88.0637

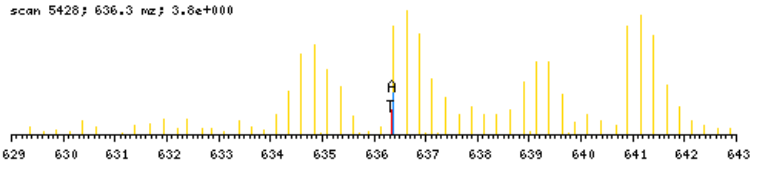
N-term:+29.04 K(9):+156.13

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

TEMVALNPDFKPPADYKPPATR, MH+ 2542.3380, m/z 636.3400
L OS G16 P120811 220811-s1.05432.05432.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



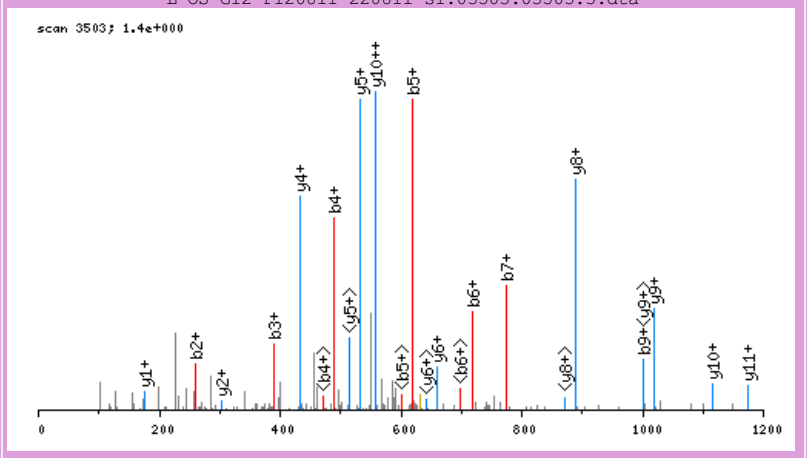
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	22		
259.1294	2	E	21	2413.2591	1207.1334
390.1699	3	M	20	2284.2165	1142.6121
489.2383	4	V	19	2153.1760	1077.0919
560.2754	5	A	18	2054.1076	**1027.5577**
673.3594	6	L	17	1983.0704	**992.0391**
787.4024	7	N	16	1869.9864	**935.4971**
884.4551	8	P	15	1755.9435	**878.4756**
999.4821	9	D	14	1658.8907	829.9493
1146.5505	10	F	13	1543.8637	772.4358
1302.6768	11	K	12	1396.7953	**698.9016**
1399.7296	12	P	11	**1240.6690**	**620.8384**
1496.7823	13	P	10	1143.6163	**572.3120**
1567.8194	14	A	9	1046.5635	**523.7857**
1682.8464	15	D	8	975.5264	**488.2671**
1845.9097	16	Y	7	860.4994	**430.7536**
2002.0360	17	K	6	697.4361	349.2220
2099.0888	18	P	5	**541.3098**	271.1588
2196.1415	19	P	4	444.2571	222.6324
2267.1787	20	A	3	347.2043	174.1061
2368.2263	21	T	2	276.1672	138.5875
	22	R	1	175.1195	88.0637

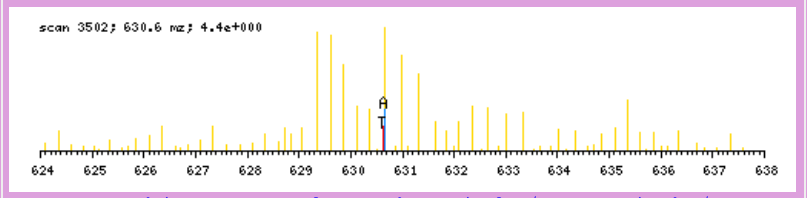
N-term:+29.04 K(11):+156.13
K(17):+156.13

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

TEMVEVGPEDDEVGAER, MH+ 1889.8438, m/z 630.6195
L OS G12 P120811 220811-s1.03503.03503.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



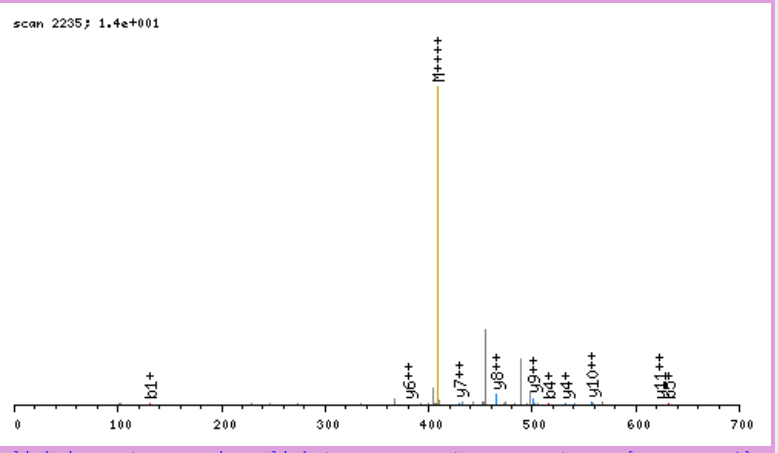
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
259.1294	2	E	16	1760.7649	880.8864
390.1699	3	M	15	1631.7223	816.3651
489.2383	4	V	14	1500.6818	750.8448
618.2809	5	E	13	1401.6134	701.3106
717.3493	6	V	12	1272.5708	636.7893
774.3707	7	G	11	1173.5024	587.2551
871.4235	8	P	10	1116.4809	558.7444
1000.4661	9	E	9	1019.4282	510.2180
1115.4930	10	D	8	890.3856	445.6967
1230.5200	11	D	7	775.3586	388.1832
1359.5626	12	E	6	660.3317	330.6698
1458.6310	13	V	5	531.2891	266.1485
1515.6525	14	G	4	432.2207	216.6142
1586.6896	15	A	3	375.1992	188.1035
1715.7322	16	E	2	304.1621	152.5850
	17	R	1	175.1195	88.0637

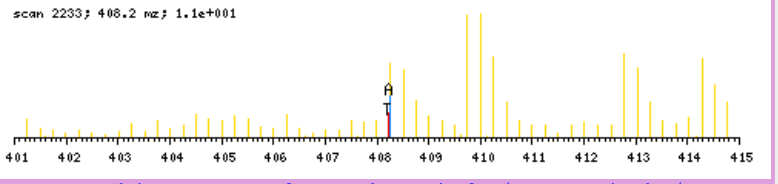
N-term:+29.04

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

TEQEDAAVAKSLR, MH+ 1629.9176, m/z 408.2349
L OS G17 P120811 220811-s1.02235.02235.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



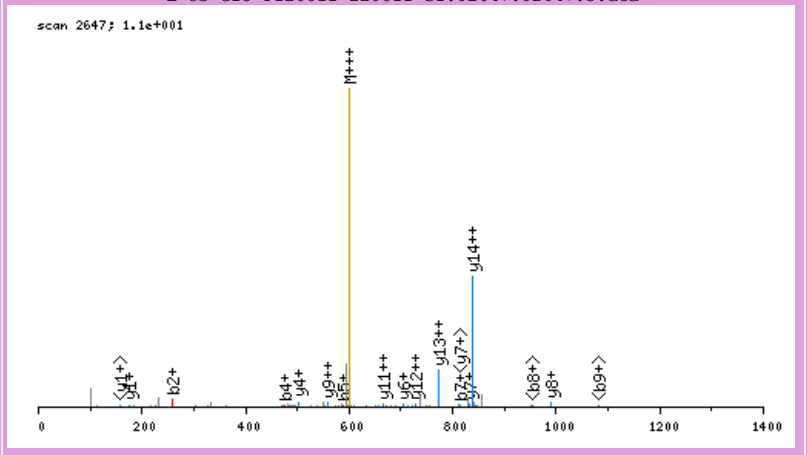
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

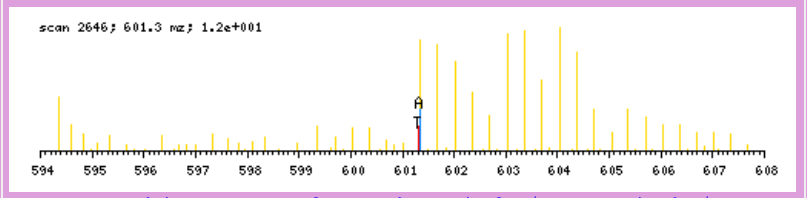
N-term:+29.04 K(10):+156.13
K(12):+156.13

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 G15 P120811 220811-s1.02647.02647.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



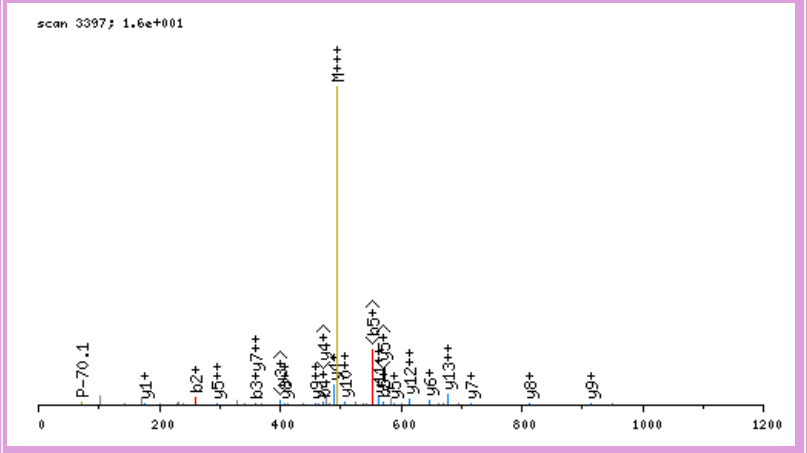
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

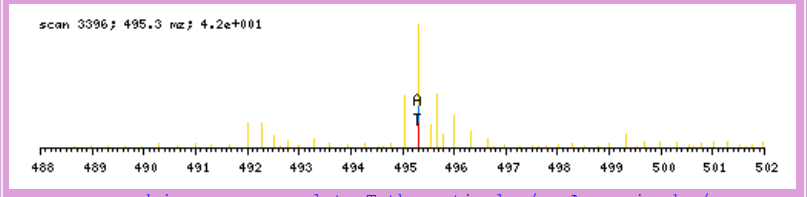
N-term:+29.04 K(8):+156.13

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

TEVLVTPAGVASKR, MH+ 1483.8848, m/z 495.2998
L OS G15 P120811 220811-s1.03397.03397.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



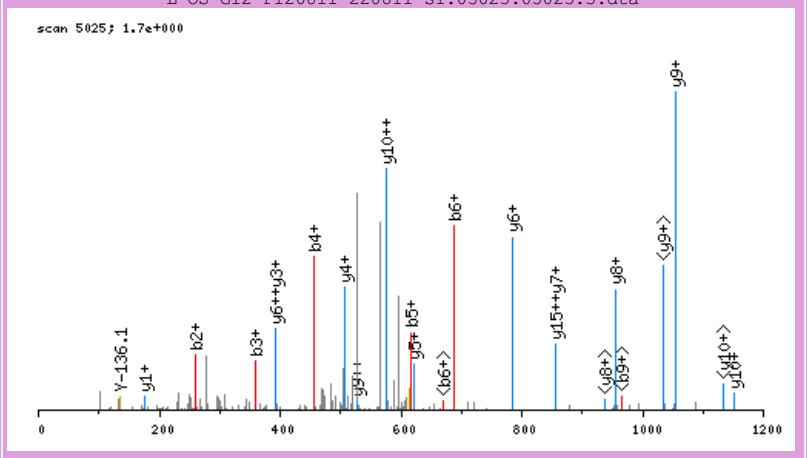
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
259.1294	2	E	13	1354.8059	677.9068
358.1978	3	V	12	1225.7633	613.3855
471.2818	4	L	11	1126.6949	563.8513
570.3503	5	V	10	1013.6108	507.3093
671.3979	6	T	9	914.5424	457.7751
768.4507	7	P	8	813.4947	407.2513
839.4878	8	A	7	716.4419	358.7249
896.5093	9	G	6	645.4048	323.2063
995.5777	10	V	5	588.3834	294.6956
1066.6148	11	A	4	489.3149	245.1614
1153.6468	12	S	3	418.2778	209.6428
1309.7731	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

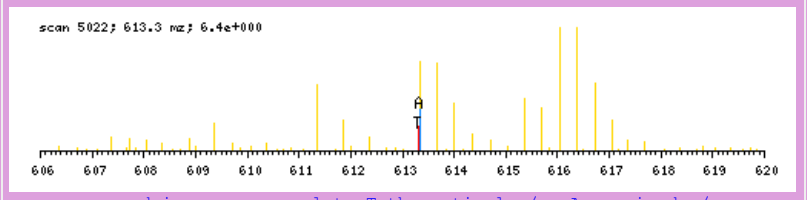
N-term:+29.04 K(13):+156.13

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

TEVVCAPPTAYIDFAR, MH+ 1837.9158, m/z 613.3101
L OS G12 P120811 220811-s1.05025.05025.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



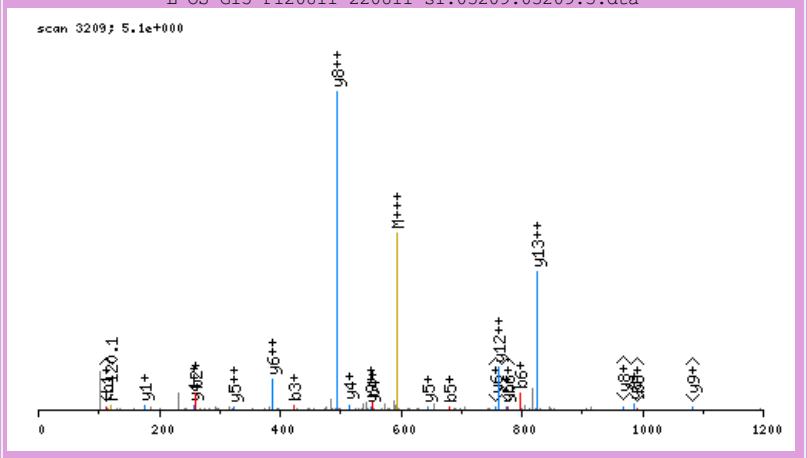
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
259.1294	2	E	15	1708.8368	854.9223
358.1978	3	V	14	1579.7942	790.4010
457.2662	4	V	13	1480.7258	740.8668
617.2968	5	C	12	1381.6574	691.3326
688.3339	6	A	11	1221.6268	611.3173
785.3867	7	P	10	1150.5897	575.7988
882.4394	8	P	9	1053.5369	527.2724
983.4871	9	T	8	956.4842	478.7460
1054.5242	10	A	7	855.4365	428.2222
1217.5876	11	Y	6	784.3994	392.7036
1330.6716	12	I	5	621.3360	311.1719
1445.6986	13	D	4	508.2520	254.6299
1592.7670	14	F	3	393.2250	197.1164
1663.8041	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

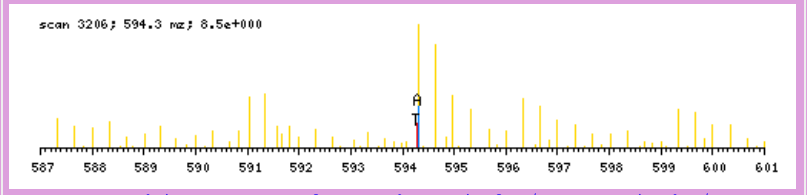
N-term:+29.04 C(5):+160.03

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

TEYMQDPDEEALRR, MH+ 1780.8176, m/z 594.2774
L OS G15 P120811 220811-s1.03209.03209.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



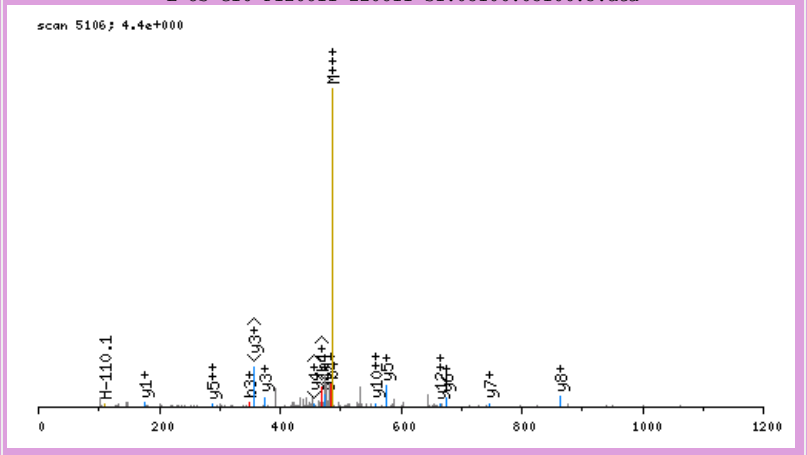
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
259.1294	2	E	13	1651.7386	**826.3732**
422.1927	3	Y	12	1522.6960	**761.8519**
553.2332	4	M	11	1359.6327	680.3203
681.2918	5	Q	10	1228.5922	614.8000
796.3187	6	D	9	1100.5336	**550.7707**
893.3715	7	P	8	**985.5067**	**493.2573**
1008.3984	8	D	7	888.4539	444.7309
1137.4410	9	E	6	**773.4270**	**387.2174**
1266.4836	10	E	5	**644.3844**	**322.6961**
1337.5207	11	A	4	**515.3418**	**258.1748**
1450.6048	12	L	3	444.3047	222.6563
1606.7059	13	R	2	331.2206	166.1142
	14	R	1	**175.1195**	88.0637

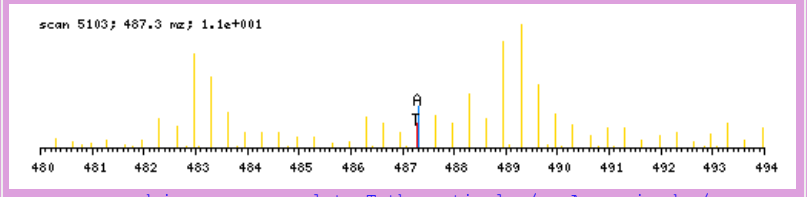
N-term:+29.04

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

TFAHLDATTVLSR, MH+ 1459.7909, m/z 487.2685
L OS G16 P120811 220811-s1.05106.05106.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



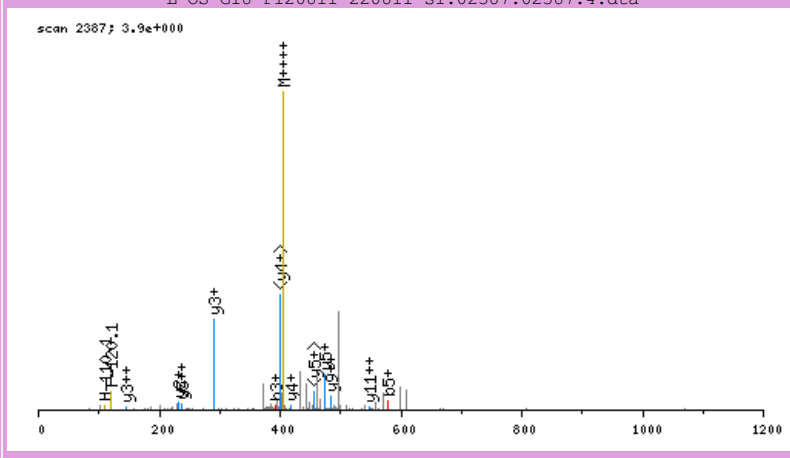
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
277.1552	2	F	12	1330.7119	**665.8599**
348.1923	3	A	11	1183.6435	592.3257
485.2512	4	H	10	1112.6064	**556.8071**
598.3353	5	L	9	975.5475	488.2777
713.3622	6	D	8	**862.4634**	431.7356
784.3993	7	A	7	**747.4365**	374.2222
885.4470	8	T	6	**676.3994**	338.7036
986.4947	9	T	5	**575.3517**	**288.1798**
1085.5631	10	V	4	**474.3040**	237.6559
1198.6472	11	L	3	**375.2356**	188.1217
1285.6792	12	S	2	262.1515	131.5797
	13	R	1	**175.1195**	88.0637

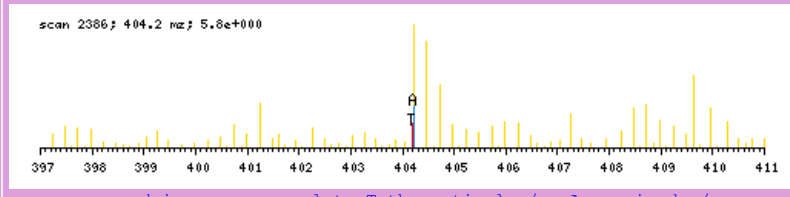
N-term:+29.04

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

TFDQGAHHAFGQGGR, MH+ 1613.7573, m/z 404.1948
L OS G18 P120811 220811-s1.02387.02387.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



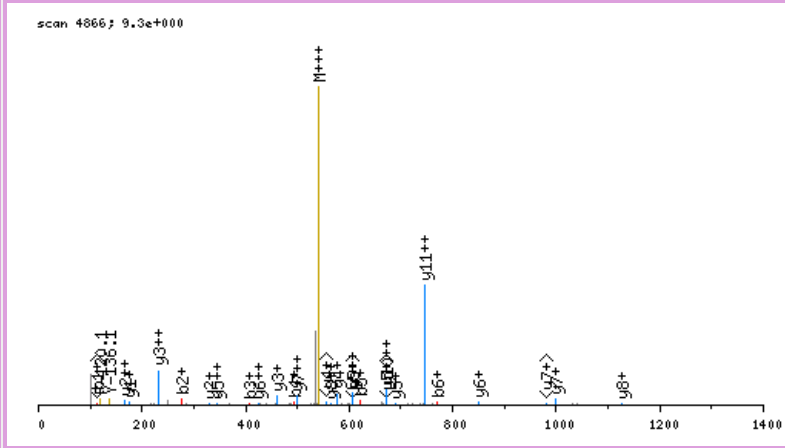
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
277.1552	2	F	14	1484.6783	742.8431
392.1821	3	D	13	1337.6099	669.3089
520.2407	4	Q	12	1222.5830	611.7954
577.2622	5	G	11	1094.5244	**547.7661**
648.2993	6	A	10	1037.5029	519.2554
785.3582	7	H	9	966.4658	**483.7368**
922.4171	8	H	8	829.4069	415.2074
993.4542	9	A	7	692.3480	346.6779
1140.5226	10	F	6	621.3109	311.1594
1197.5441	11	G	5	**474.2425**	**237.6251**
1325.6027	12	Q	4	**417.2210**	209.1144
1382.6241	13	G	3	**289.1624**	**145.0851**
1439.6456	14	G	2	**232.1410**	116.5744
	15	R	1	175.1195	88.0637

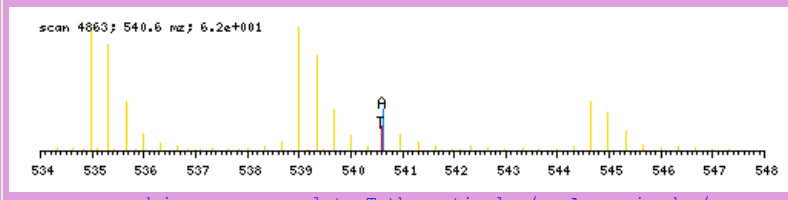
N-term:+29.04

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

TFESEFYLDEKR, MH+ 1619.7957, m/z 540.6034
L OS G16 P120811 220811-s1.04866.04866.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



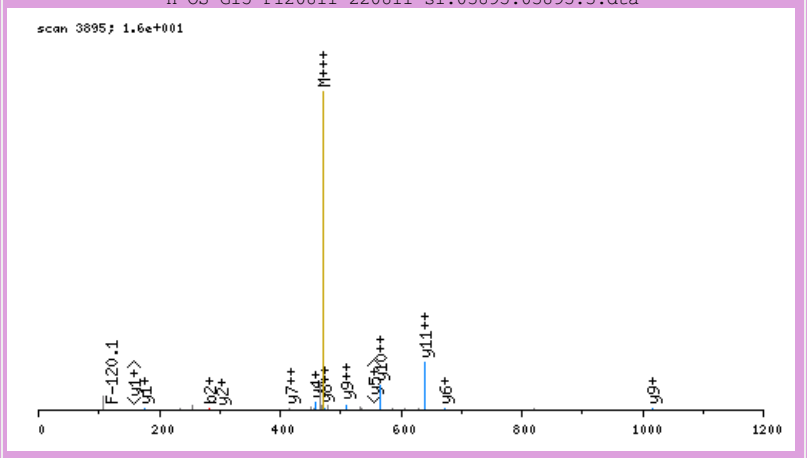
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
277.1552	2	F	11	1490.7168	745.8623
406.1978	3	E	10	1343.6484	672.3281
493.2298	4	S	9	1214.6058	607.8068
622.2724	5	E	8	1127.5737	564.2908
769.3408	6	F	7	998.5311	499.7695
932.4041	7	Y	6	851.4627	426.2353
1045.4882	8	L	5	688.3994	344.7036
1160.5152	9	D	4	575.3153	288.1616
1289.5577	10	E	3	460.2884	230.6481
1445.6840	11	K	2	331.2458	166.1268
	12	R	1	175.1195	88.0637

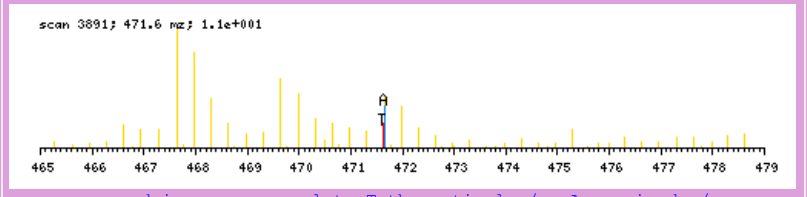
N-term:+29.04 K(11):+156.13

TFIAIKPDGVQR, MH+ 1412.8902, m/z 471.6349
H OS G15 P120811 220811-s1.03895.03895.3.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±]



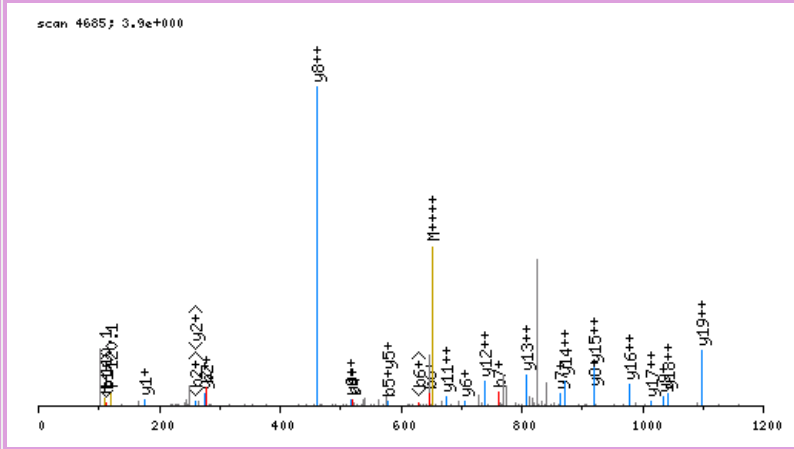
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
283.1870	2	F	11	1277.7794	**639.3936**
396.2711	3	I	10	1130.7110	**565.8594**
467.3082	4	A	9	**1017.6269**	**509.3174**
580.3922	5	I	8	946.5898	**473.7988**
742.5503	6	K	7	833.5058	**417.2568**
839.6031	7	P	6	**671.3477**	336.1777
954.6300	8	D	5	574.2949	287.6514
1011.6515	9	G	4	**459.2680**	230.1379
1110.7199	10	V	3	402.2465	201.6272
1238.7785	11	Q	2	**303.1781**	152.0930
	12	R	1	**175.1195**	88.0637

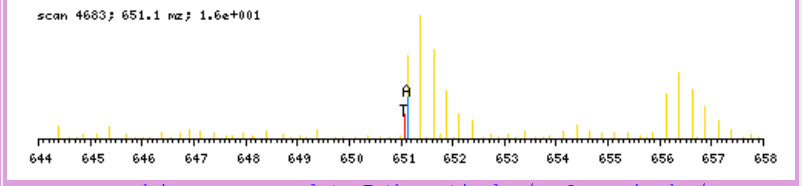
N-term:+35.07 K(6):+162.16

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [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

TFQDGALVQHQQWDGKESTITR, MH+ 2601.3062, m/z 651.0820
L OS G17 P120811 220811-s1.04685.04685.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



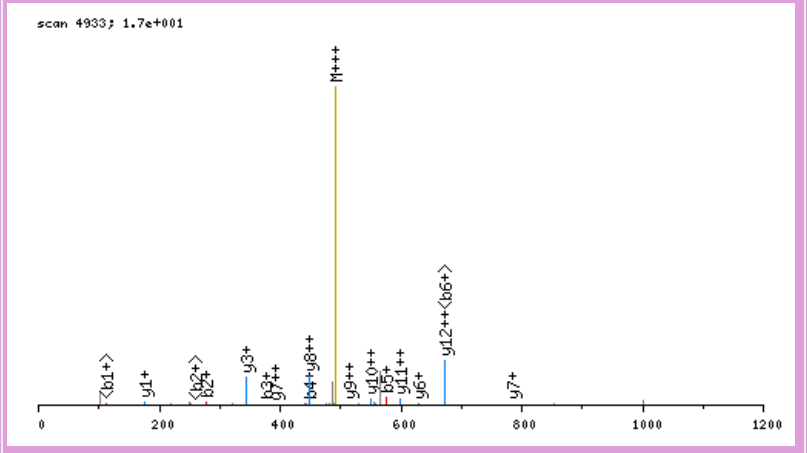
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	22		
277.1552	2	F	21	2472.2272	1236.6175
405.2138	3	Q	20	2325.1588	1163.0833
520.2407	4	D	19	2197.1002	**1099.0540**
577.2622	5	G	18	2082.0733	**1041.5405**
648.2993	6	A	17	2025.0518	**1013.0298**
761.3834	7	L	16	1954.0147	**977.5113**
860.4518	8	V	15	1840.9306	**920.9692**
988.5103	9	Q	14	1741.8622	**871.4350**
1125.5693	10	H	13	1613.8036	**807.4057**
1253.6278	11	Q	12	1476.7447	**738.8763**
1381.6864	12	Q	11	1348.6861	**674.8470**
1567.7657	13	W	10	1220.6276	610.8177
1682.7927	14	D	9	**1034.5483**	**517.7780**
1739.8141	15	G	8	**919.5213**	**460.2646**
1895.9404	16	K	7	**862.4998**	431.7538
2024.9830	17	E	6	**706.3735**	353.6907
2112.0151	18	S	5	**577.3310**	289.1694
2213.0627	19	T	4	490.2989	245.6534
2326.1468	20	I	3	389.2512	195.1295
2427.1945	21	T	2	**276.1672**	138.5875
	22	R	1	**175.1195**	88.0637

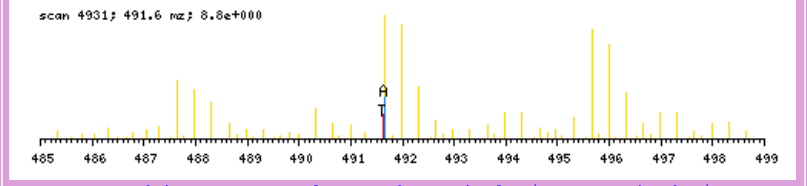
N-term:+29.04 K(16):+156.13

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

TFVAELKGLDPAR, MH+ 1472.8477, m/z 491.6208
L OS G15 P120811 220811-s1.04933.04933.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



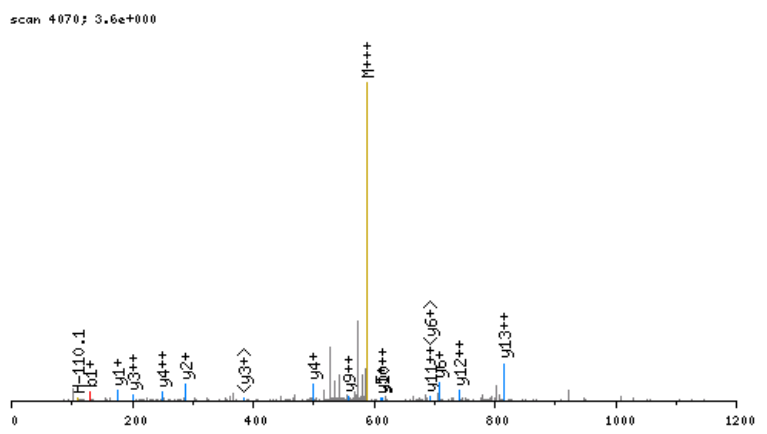
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
277.1552	2	F	12	1343.7687	**672.3883**
376.2236	3	V	11	1196.7003	**598.8541**
447.2607	4	A	10	1097.6319	**549.3199**
576.3033	5	E	9	1026.5948	**513.8013**
689.3874	6	L	8	897.5522	**449.2800**
845.5137	7	K	7	**784.4681**	**392.7380**
902.5351	8	G	6	**628.3418**	314.6748
1015.6192	9	L	5	571.3204	286.1641
1130.6461	10	D	4	458.2363	229.6221
1227.6989	11	P	3	**343.2094**	172.1086
1298.7360	12	A	2	246.1566	123.5822
	13	R	1	**175.1195**	88.0637

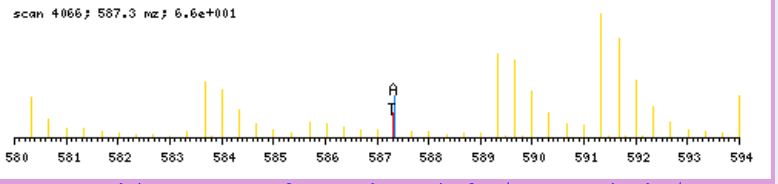
N-term:+29.04 K(7):+156.13

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

TFVKDCEDPNPLIR, MH+ 1759.9052, m/z 587.3066
L OS G15 P120811 220811-s1.04070.04070.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



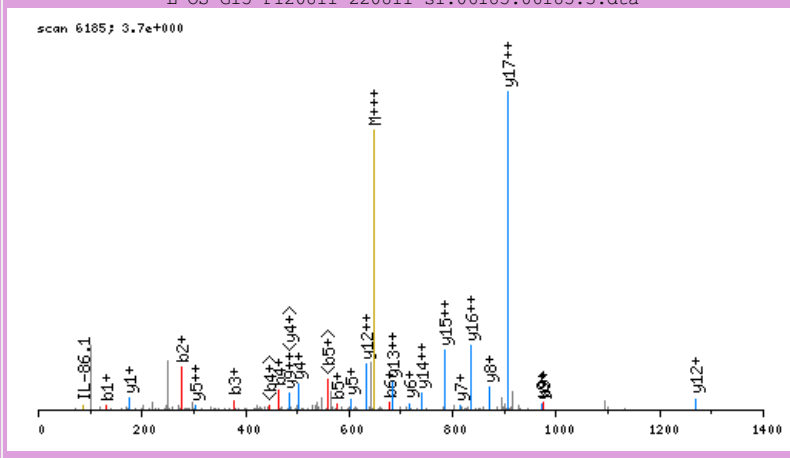
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**14**		
277.1552	**2**	**F**	**13**	1630.8263	**815.9171**
376.2236	**3**	**V**	**12**	1483.7579	**742.3829**
532.3499	**4**	**K**	**11**	1384.6895	**692.8486**
647.3768	**5**	**D**	**10**	1228.5632	**614.7855**
807.4074	**6**	**C**	**9**	1113.5362	**557.2720**
936.4500	**7**	**E**	**8**	953.5056	477.2567
1051.4770	**8**	**D**	**7**	824.4630	412.7354
1148.5297	**9**	**P**	**6**	**709.4361**	355.2220
1262.5727	**10**	**N**	**5**	**612.3833**	306.6956
1359.6254	**11**	**P**	**4**	**498.3404**	**249.6741**
1472.7095	**12**	**L**	**3**	401.2876	**201.1477**
1585.7936	**13**	**I**	**2**	**288.2036**	144.6057
	14	**R**	**1**	**175.1195**	88.0637

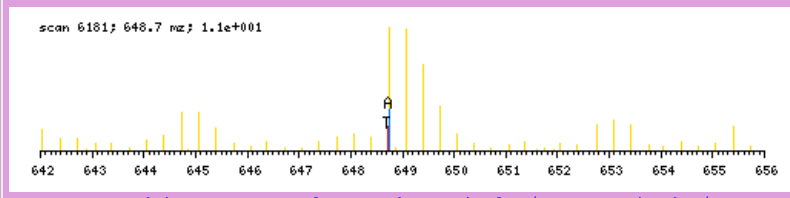
N-term:+29.04 K(4):+156.13
C(6):+160.03

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

TFVSITPAEVGVLVGKDR, MH+ 1944.1170, m/z 648.7105
L OS G15 P120811 220811-s1.06185.06185.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



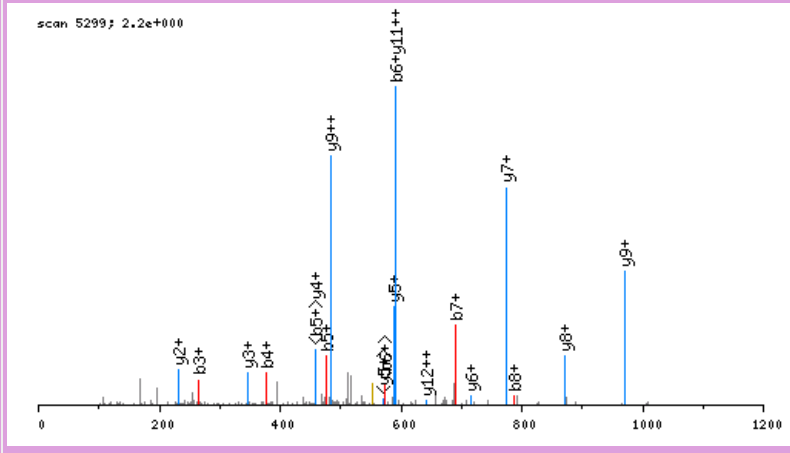
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
277.1552	2	F	17	1815.0380	908.0229
376.2236	3	V	16	1667.9696	834.4887
463.2556	4	S	15	1568.9012	784.9545
576.3397	5	I	14	1481.8692	741.4385
677.3874	6	T	13	1368.7851	684.8965
774.4401	7	P	12	1267.7374	634.3726
845.4773	8	A	11	1170.6847	585.8463
974.5198	9	E	10	1099.6476	550.3277
1073.5883	10	V	9	970.6050	485.8064
1130.6097	11	G	8	871.5366	436.2722
1229.6781	12	V	7	814.5151	407.7615
1342.7622	13	L	6	715.4467	358.2273
1441.8306	14	V	5	602.3626	301.6852
1498.8521	15	G	4	503.2942	252.1510
1654.9784	16	K	3	446.2727	223.6403
1770.0053	17	D	2	290.1464	145.5771
	18	R	1	175.1195	88.0637

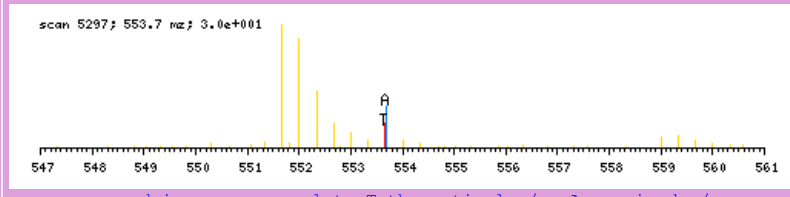
N-term:+29.04 K(16):+156.13

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

TGAIVDVPVGEELLGR, MH+ 1658.9541, m/z 553.6562
H OS G12 P120811 220811-s1.05299.05299.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



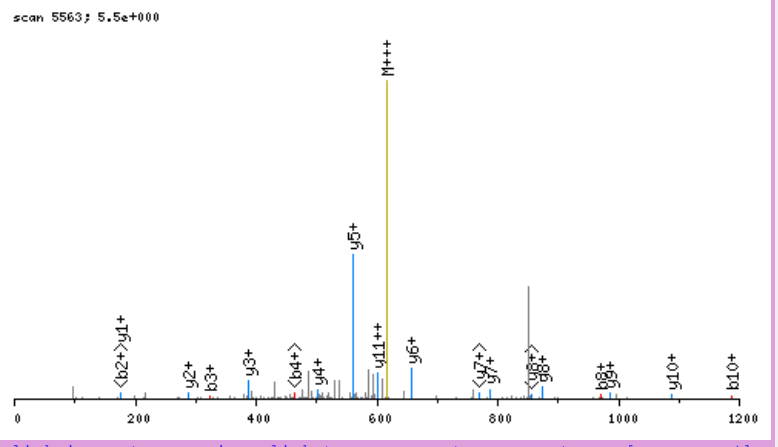
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

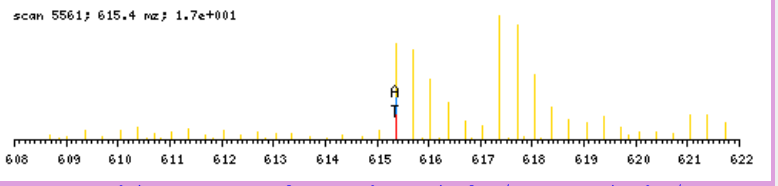
N-term:+35.07

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 G15 P120811 220811-s1.05563.05563.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



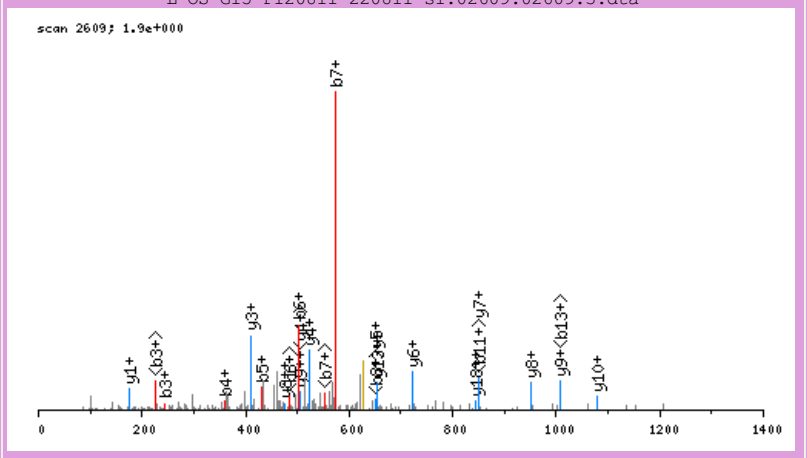
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

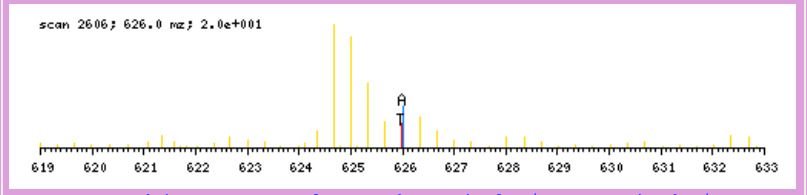
N-term:+35.07 C(4):+160.03
K(5):+162.16

TGGDAAAPGAAGTQAELPHR, MH+ 1875.9313, m/z 625.9819
L OS G15 P120811 220811-s1.02609.02609.3.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±]



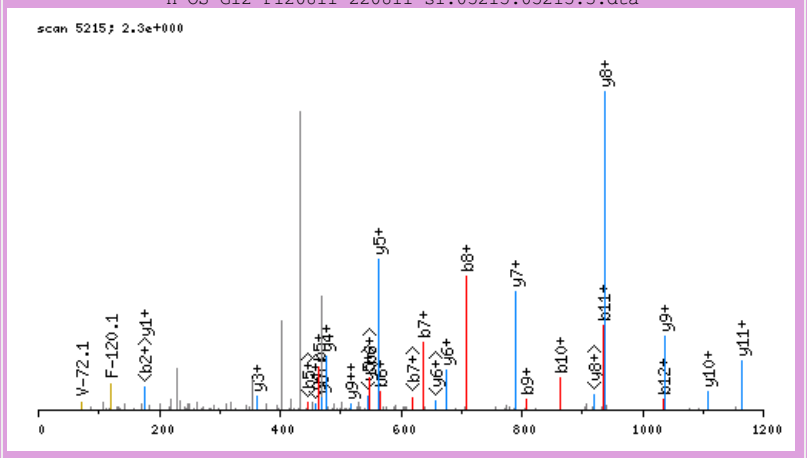
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
187.1082	2	G	19	1746.8523	873.9301
244.1297	3	G	18	1689.8309	**845.4193**
359.1566	4	D	17	1632.8094	816.9086
430.1938	5	A	16	1517.7825	759.3951
501.2309	6	A	15	1446.7454	723.8766
572.2680	7	A	14	1375.7082	688.3580
669.3208	8	P	13	1304.6711	**652.8395**
726.3422	9	G	12	1207.6184	604.3131
797.3793	10	A	11	1150.5969	575.8024
868.4164	11	A	10	**1079.5598**	540.2838
925.4379	12	G	9	**1008.5227**	**504.7652**
1026.4856	13	T	8	**951.5012**	**476.2545**
1154.5442	14	Q	7	**850.4535**	425.7307
1225.5813	15	A	6	**722.3949**	361.7014
1354.6239	16	E	5	**651.3578**	326.1828
1467.7079	17	L	4	**522.3152**	261.6615
1564.7607	18	P	3	**409.2312**	205.1195
1701.8196	19	H	2	312.1784	156.5931
	20	R	1	**175.1195**	88.0637

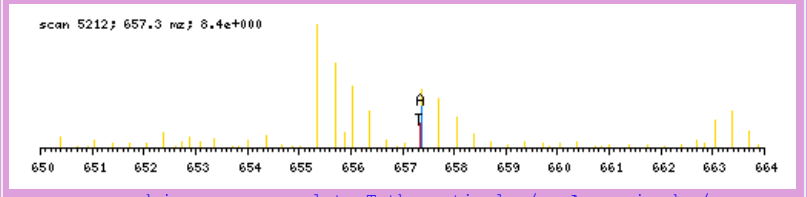
N-term:+29.04

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

TGGVDTAAVGAVFDISNADR, MH+ 1970.0043, m/z 657.3396
H OS G12 P120811 220811-s1.05215.05215.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



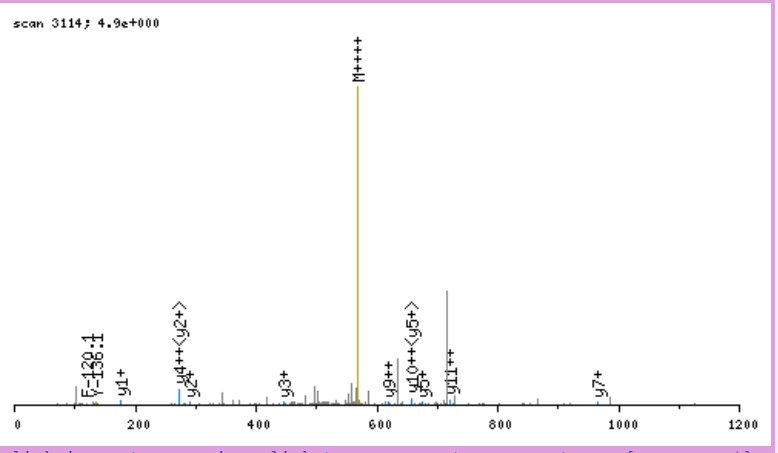
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

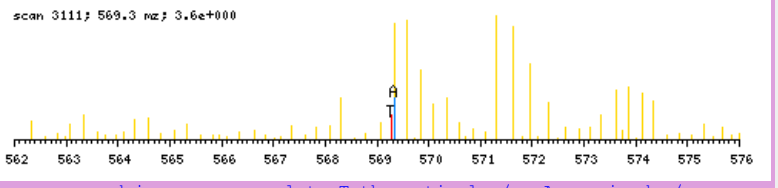
N-term:+35.07

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

TGIKHELQANCYEEVKDR, MH+ 2274.1552, m/z 569.2943
L OS G18 P120811 220811-s1.03114.03114.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



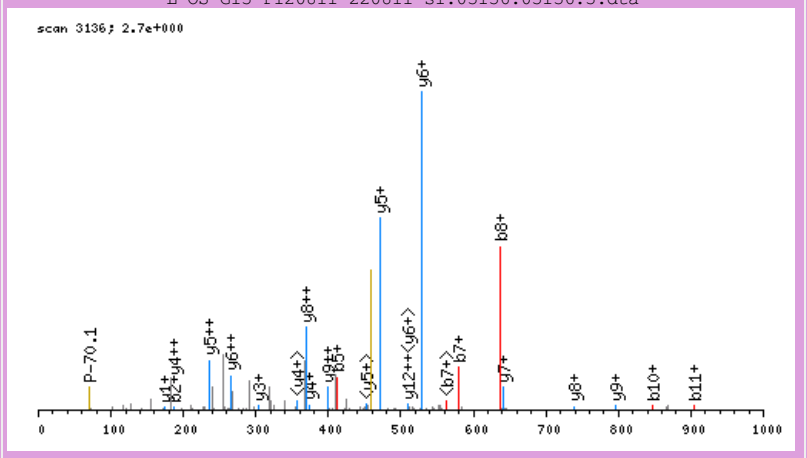
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
187.1082	2	G	17	2145.0763	1073.0421
300.1923	3	I	16	2088.0548	1044.5313
456.3186	4	K	15	1974.9708	987.9893
593.3775	5	H	14	1818.8445	909.9261
722.4201	6	E	13	1681.7855	841.3967
835.5042	7	L	12	1552.7430	776.8754
963.5628	8	Q	11	1439.6589	**720.3334**
1034.5999	9	A	10	1311.6003	**656.3041**
1148.6428	10	N	9	1240.5632	**620.7855**
1308.6734	11	C	8	1126.5203	563.7640
1471.7367	12	Y	7	**966.4897**	483.7487
1600.7793	13	E	6	803.4263	402.2171
1729.8219	14	E	5	**674.3838**	337.6958
1828.8903	15	V	4	545.3412	**273.1745**
1985.0166	16	K	3	**446.2727**	223.6403
2100.0436	17	D	2	**290.1464**	145.5771
	18	R	1	**175.1195**	88.0637

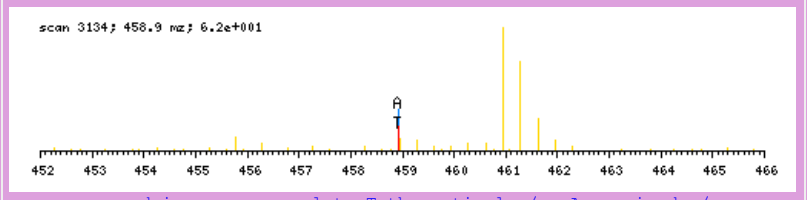
N-term:+29.04 K(4):+156.13
C(11):+160.03 K(16):+156.13

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

TGPAGPAGPIGPAGAR, MH+ 1374.7493, m/z 458.9213
L OS G13 P120811 220811-s1.03136.03136.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



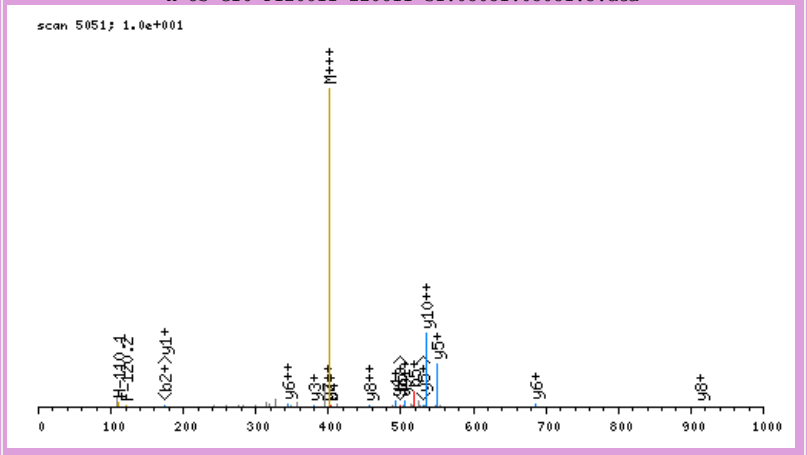
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
187.1082	2	G	15	1245.6704	623.3391
284.1610	3	P	14	1188.6489	594.8284
355.1981	4	A	13	1091.5962	546.3020
412.2196	5	G	12	1020.5591	510.7834
509.2723	6	P	11	963.5376	482.2727
580.3095	7	A	10	866.4848	433.7463
637.3309	8	G	9	795.4477	398.2278
734.3837	9	P	8	738.4262	369.7170
847.4678	10	I	7	641.3735	321.1907
904.4892	11	G	6	528.2894	264.6486
1001.5420	12	P	5	471.2680	236.1379
1072.5791	13	A	4	374.2152	187.6115
1129.6006	14	G	3	303.1781	152.0930
1200.6377	15	A	2	246.1566	123.5822
	16	R	1	175.1195	88.0637

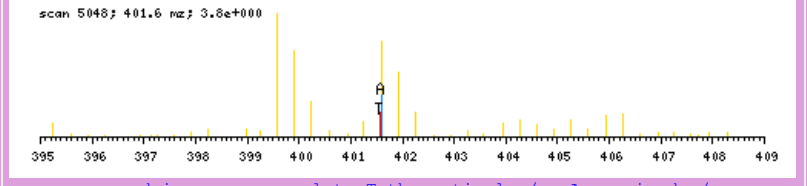
N-term:+29.04

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

TGPNLHGLFGR, MH+ 1202.6858, m/z 401.5668
H OS G16 P120811 220811-s1.05051.05051.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



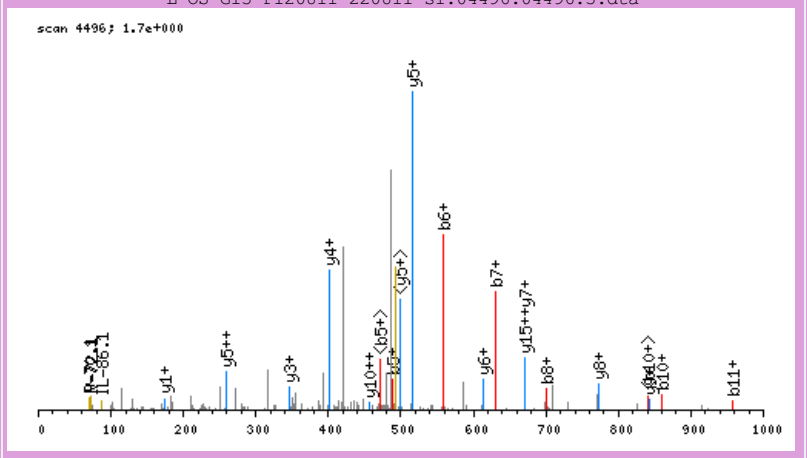
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

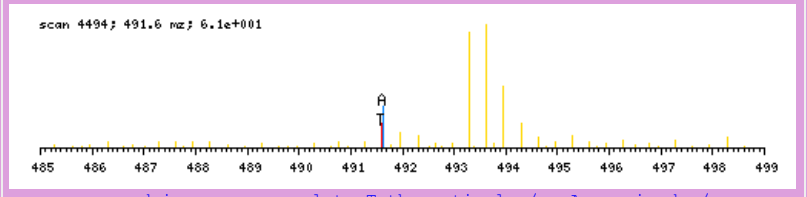
N-term:+35.07

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

TGTEAAAATGVIGGIR, MH+ 1472.8073, m/z 491.6073
L OS G13 P120811 220811-s1.04496.04496.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



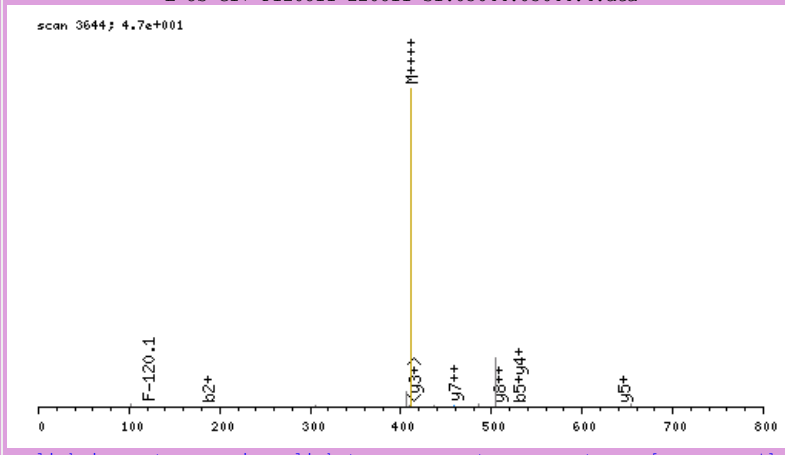
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
187.1082	2	G	15	1343.7283	**672.3681**
288.1559	3	T	14	1286.7068	643.8573
417.1985	4	E	13	1185.6592	593.3335
488.2356	5	A	12	1056.6166	528.8122
559.2727	6	A	11	985.5795	493.2936
630.3099	7	A	10	914.5423	**457.7751**
701.3470	8	A	9	**843.5052**	422.2565
802.3946	9	T	8	**772.4681**	386.7380
859.4161	10	G	7	**671.4204**	336.2141
958.4845	11	V	6	**614.3990**	307.7034
1071.5686	12	I	5	**515.3306**	**258.1692**
1128.5901	13	G	4	**402.2465**	201.6272
1185.6115	14	G	3	**345.2250**	173.1164
1298.6956	15	I	2	288.2036	144.6057
	16	R	1	**175.1195**	88.0637

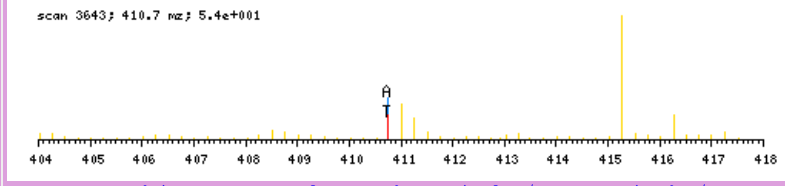
N-term:+29.04

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

TGTQLPTKIDPEQK, MH+ 1639.9271, m/z 410.7372
L OS G17 P120811 220811-s1.03644.03644.4.dta



click image to zoom in; click top corners to zoom out [precursor]



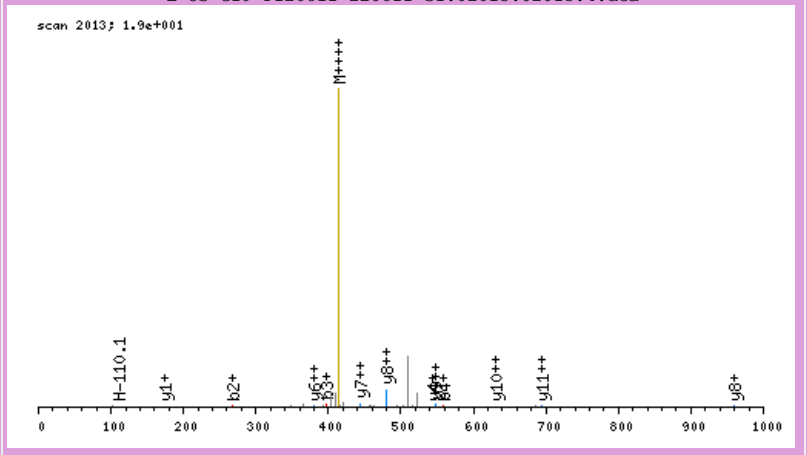
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
187.1082	2	G	13	1510.8482	755.9280
288.1559	3	T	12	1453.8267	727.4173
416.2145	4	Q	11	1352.7790	676.8934
529.2986	5	L	10	1224.7204	612.8641
626.3513	6	P	9	1111.6364	556.3221
727.3990	7	T	8	1014.5836	**507.7957**
883.5253	8	K	7	913.5359	**457.2719**
996.6094	9	I	6	757.4096	379.2087
1111.6363	10	D	5	**644.3256**	322.6667
1208.6891	11	P	4	**529.2986**	265.1532
1337.7317	12	E	3	432.2459	216.6268
1465.7902	13	Q	2	303.2033	152.1055
	14	K	1	175.1447	88.0763

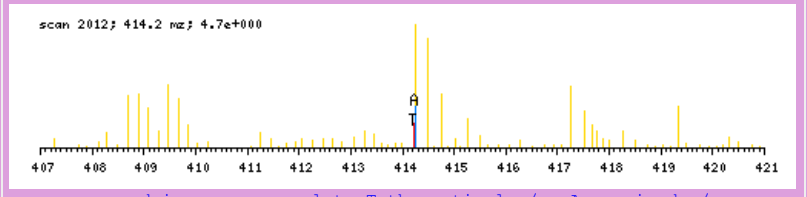
N-term:+29.04 K(8):+156.13
K(14):+156.13

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

THEYHAETIKNVR, MH+ 1653.8713, m/z 414.2233
L OS G19 P120811 220811-s1.02013.02013.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



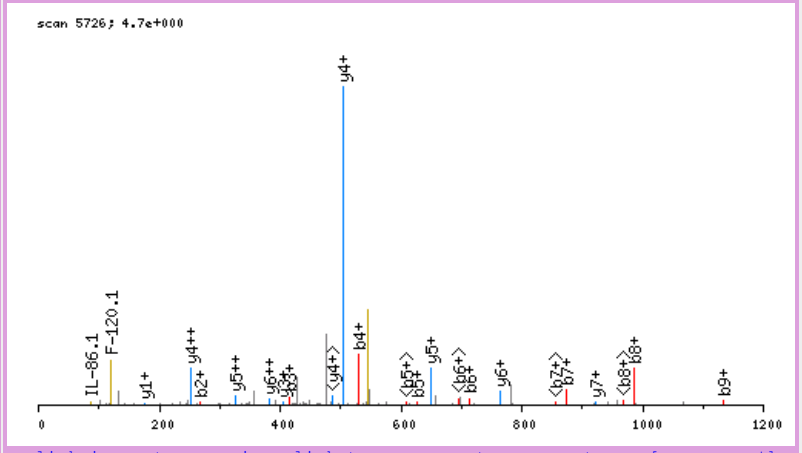
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
267.1457	2	H	12	1524.7923	762.9001
396.1883	3	E	11	1387.7334	694.3706
559.2516	4	Y	10	1258.6908	629.8493
696.3105	5	H	9	1095.6275	548.3177
767.3476	6	A	8	958.5686	479.7882
896.3902	7	E	7	887.5315	444.2697
997.4379	8	T	6	758.4889	379.7484
1110.5220	9	I	5	657.4412	329.2245
1266.6483	10	K	4	544.3571	272.6825
1380.6912	11	N	3	388.2308	194.6193
1479.7596	12	V	2	274.1879	137.5979
	13	R	1	175.1195	88.0637

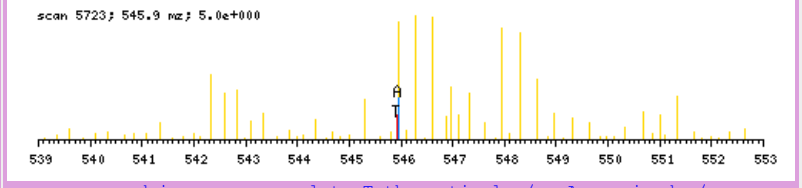
N-term:+29.04 K(10):+156.13

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

THFDPSCLFPACR, MH+ 1635.7411, m/z 545.9185
L OS G16 P120811 220811-s1.05726.05726.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



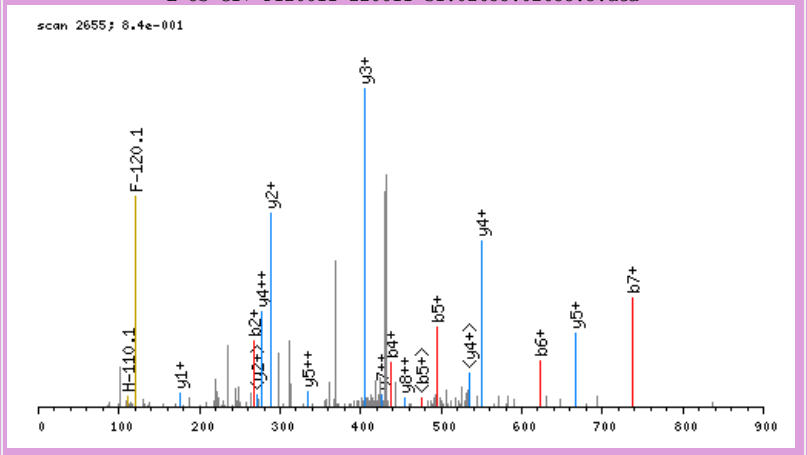
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	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

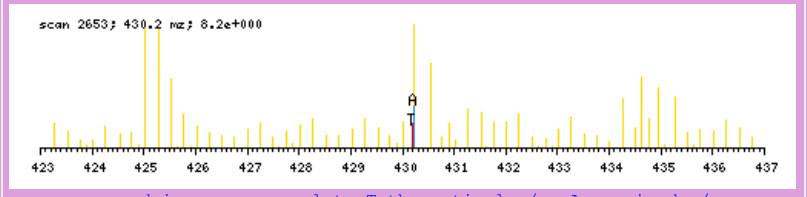
N-term:+29.04 C(7):+160.03
C(12):+160.03

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

THLGGEDFDNR, MH+ 1288.5922, m/z 430.2022
L OS G17 P120811 220811-s1.02655.02655.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



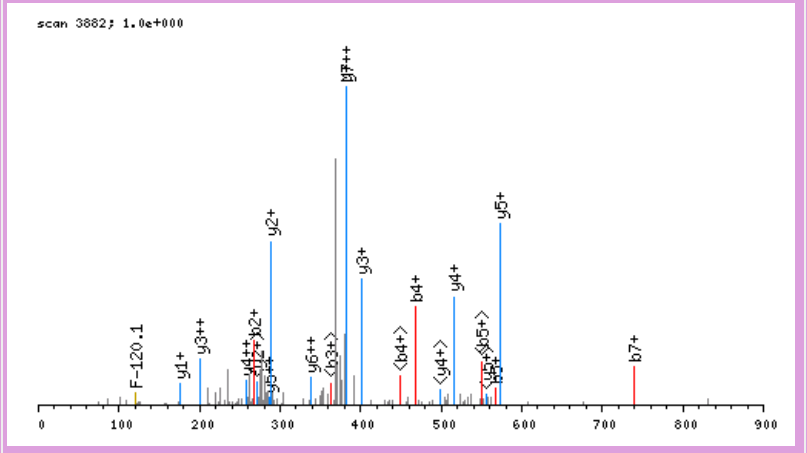
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
267.1457	2	H	10	1159.5132	580.2605
380.2298	3	L	9	1022.4543	511.7311
437.2512	4	G	8	909.3702	**455.1890**
494.2727	5	G	7	852.3488	**426.6783**
623.3153	6	E	6	795.3273	398.1676
738.3422	7	D	5	**666.2847**	**333.6463**
885.4106	8	F	4	**551.2578**	**276.1328**
1000.4376	9	D	3	**404.1894**	202.5986
1114.4805	10	N	2	**289.1624**	145.0851
	11	R	1	**175.1195**	88.0637

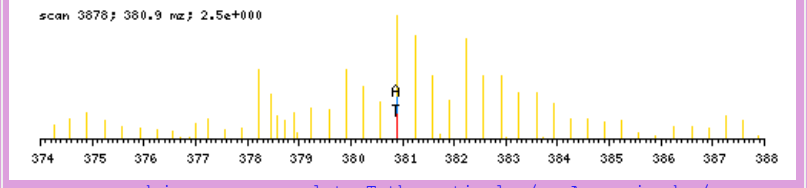
N-term:+29.04

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

THLSTGDLLR, MH+ 1140.6377, m/z 380.8841
L OS G16 P120811 220811-s1.03882.03882.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



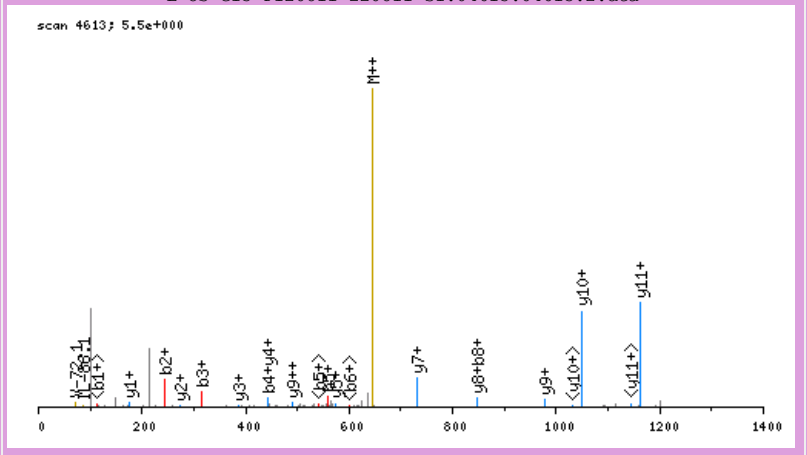
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
267.1457	2	H	9	1011.5587	506.2833
380.2298	3	L	8	874.4998	437.7538
467.2618	4	S	7	761.4157	381.2118
568.3095	5	T	6	674.3837	337.6958
625.3309	6	G	5	573.3360	287.1719
740.3579	7	D	4	516.3146	258.6612
853.4419	8	L	3	401.2876	201.1477
966.5260	9	L	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

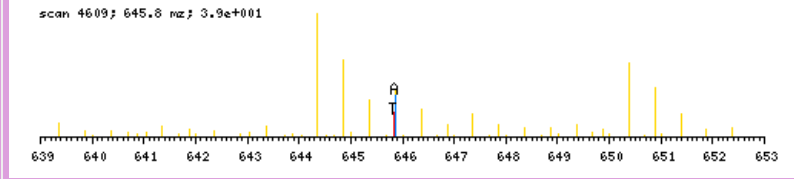
N-term:+29.04

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

TIAMDGTEGLVR, MH+ 1290.6727, m/z 645.8400
L OS G13 P120811 220811-s1.04613.04613.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



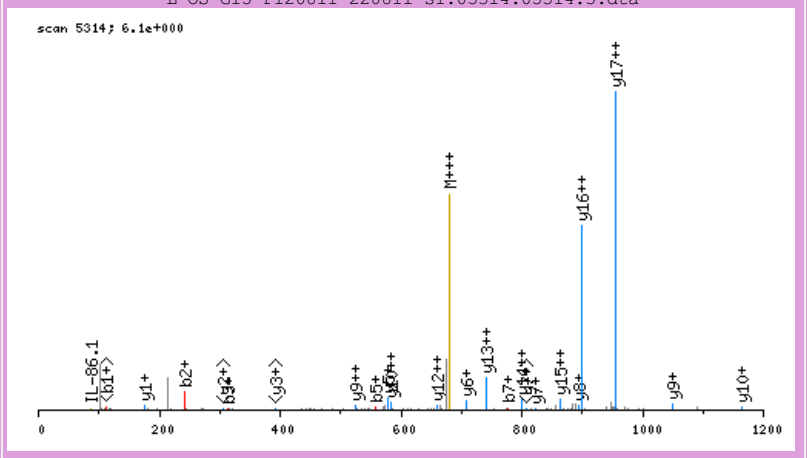
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
243.1708	2	I	11	1161.5938	581.3008
314.2080	3	A	10	1048.5097	524.7588
445.2484	4	M	9	977.4726	489.2402
560.2754	5	D	8	846.4321	423.7200
617.2968	6	G	7	731.4052	366.2065
718.3445	7	T	6	674.3837	337.6958
847.3871	8	E	5	573.3360	287.1719
904.4086	9	G	4	444.2934	222.6506
1017.4926	10	L	3	387.2720	194.1399
1116.5611	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

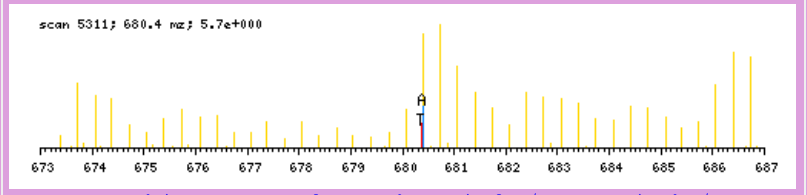
N-term:+29.04

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

TIAQDYGVLKADEGISFR, MH+ 2039.0813, m/z 680.3653
L OS G15 P120811 220811-s1.05314.05314.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



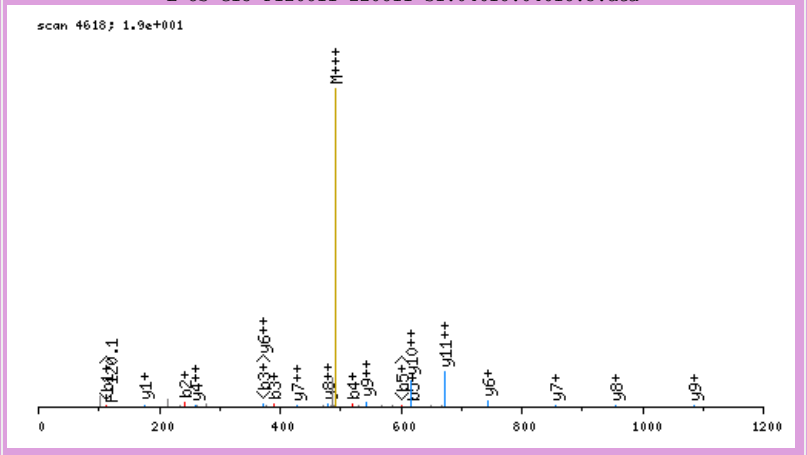
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
243.1708	2	I	17	1910.0024	955.5051
314.2080	3	A	16	1796.9183	898.9631
442.2665	4	Q	15	1725.8812	863.4445
557.2935	5	D	14	1597.8226	799.4152
720.3568	6	Y	13	1482.7957	741.9018
777.3783	7	G	12	1319.7324	660.3701
876.4467	8	V	11	1262.7109	631.8594
989.5307	9	L	10	1163.6425	582.3252
1145.6570	10	K	9	1050.5584	525.7831
1216.6942	11	A	8	894.4321	447.7200
1331.7211	12	D	7	823.3950	412.2014
1460.7637	13	E	6	708.3681	354.6879
1517.7852	14	G	5	579.3255	290.1666
1630.8692	15	I	4	522.3040	261.6559
1717.9013	16	S	3	409.2199	205.1139
1864.9697	17	F	2	322.1879	161.5979
	18	R	1	175.1195	88.0637

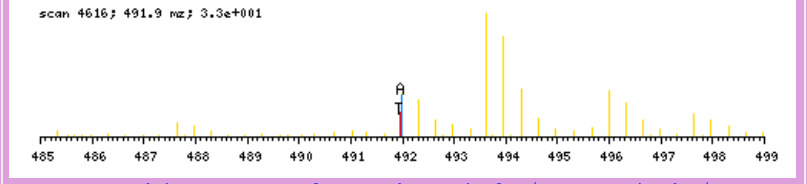
N-term:+29.04 K(10):+156.13

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

TIFEVLPEKADR, MH+ 1473.8317, m/z 491.9488
L OS G15 P120811 220811-s1.04618.04618.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



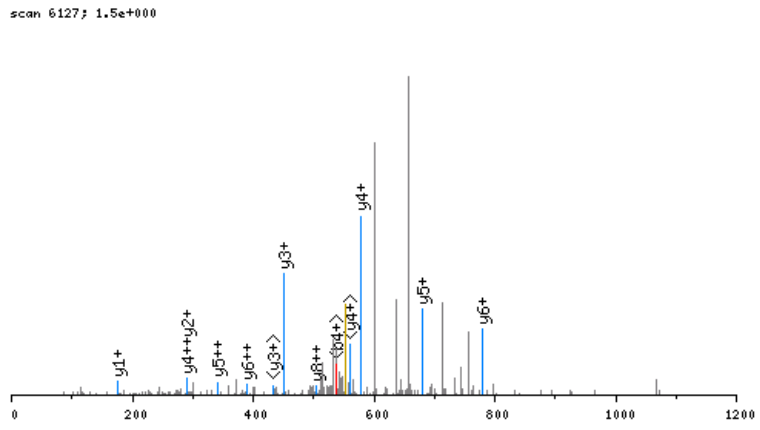
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

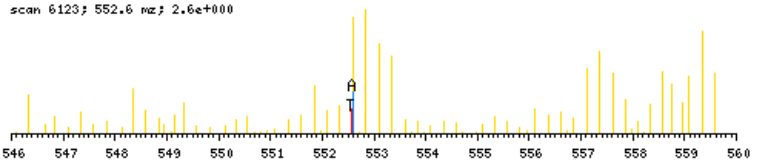
N-term:+29.04 K(9):+156.13

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

TIKKQFLEELLTTQCDR, MH+ 2207.2110, m/z 552.5582
L OS G17 P120811 220811-s1.06127.06127.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



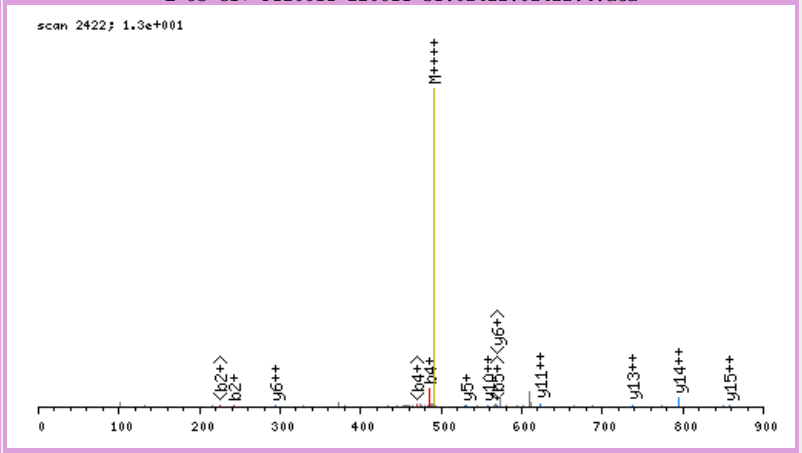
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
243.1708	2	I	16	2078.1320	1039.5699
399.2971	3	K	15	1965.0479	983.0279
555.4234	4	K	14	1808.9216	904.9647
683.4820	5	Q	13	1652.7953	826.9016
830.5504	6	F	12	1524.7368	762.8723
943.6345	7	L	11	1377.6684	689.3381
1072.6771	8	E	10	1264.5843	632.7961
1201.7197	9	E	9	1135.5417	568.2748
1314.8037	10	L	8	1006.4991	**503.7535**
1427.8878	11	L	7	893.4150	447.2114
1528.9355	12	T	6	**780.3310**	**390.6694**
1629.9832	13	T	5	**679.2833**	**340.1456**
1758.0417	14	Q	4	**578.2356**	**289.6217**
1918.0723	15	C	3	**450.1770**	225.5924
2033.0993	16	D	2	**290.1464**	145.5771
	17	R	1	**175.1195**	88.0637

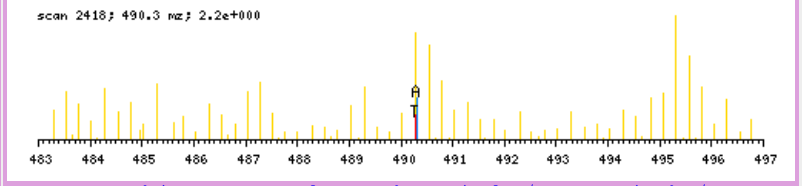
N-term:+29.04 K(3):+156.13
K(4):+156.13 C(15):+160.03

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

TIQDTQEEKLEGGAAKR, MH+ 1958.0559, m/z 490.2694
L OS G17 P120811 220811-s1.02422.02422.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



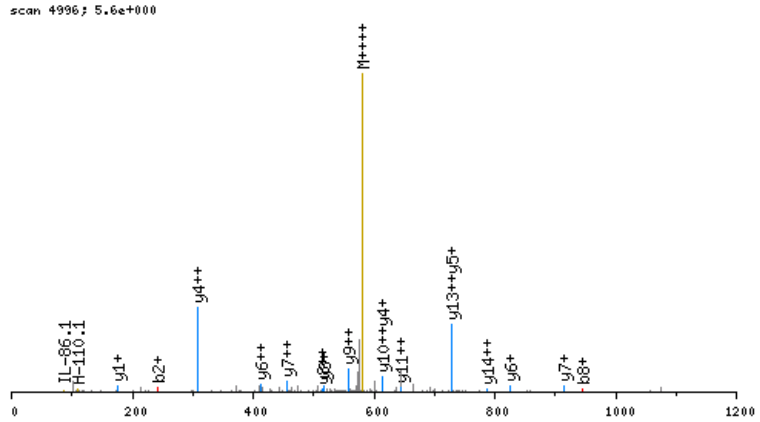
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
243.1708	2	I	16	1828.9769	914.9924
371.2294	3	Q	15	1715.8929	**858.4504**
486.2564	4	D	14	1587.8343	**794.4211**
587.3040	5	T	13	1472.8074	**736.9076**
715.3626	6	Q	12	1371.7597	686.3838
844.4052	7	E	11	1243.7011	**622.3545**
973.4478	8	E	10	1114.6585	**557.8332**
1129.5741	9	K	9	985.6159	493.3119
1242.6582	10	L	8	829.4896	415.2487
1371.7008	11	E	7	716.4055	358.7067
1428.7222	12	G	6	587.3630	**294.1854**
1485.7437	13	G	5	**530.3415**	265.6747
1556.7808	14	A	4	473.3200	237.1639
1627.8179	15	A	3	402.2829	201.6454
1783.9442	16	K	2	331.2458	166.1268
	17	R	1	175.1195	88.0637

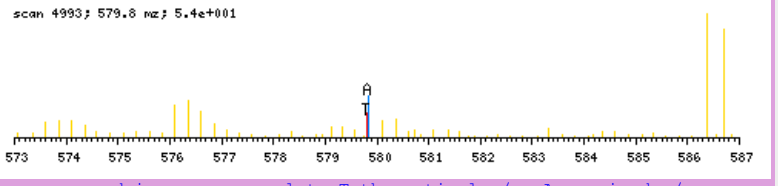
N-term:+29.04 K(9):+156.13
K(16):+156.13

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

TISKEELSSGDSLSPDPWKR, MH+ 2316.2088, m/z 579.8076
L OS G17 P120811 220811-s1.04996.04996.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



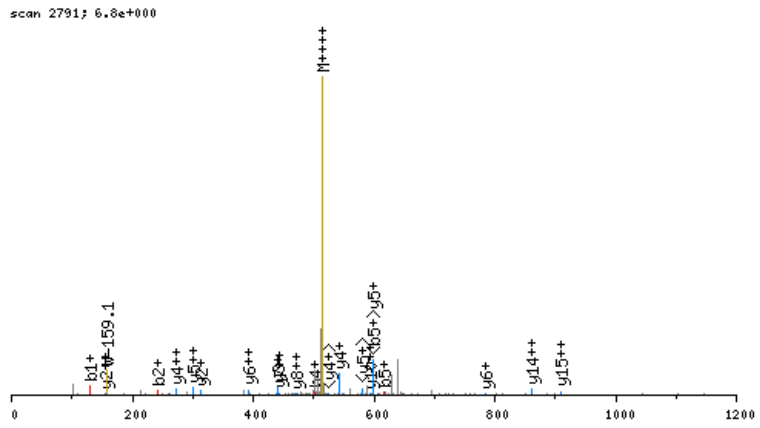
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
243.1708	2	I	19	2187.1298	1094.0688
330.2029	3	S	18	2074.0457	1037.5268
486.3292	4	K	17	1987.0137	994.0108
615.3718	5	E	16	1830.8874	915.9476
744.4144	6	E	15	1701.8448	851.4263
857.4984	7	L	14	1572.8022	**786.9050**
944.5304	8	S	13	1459.7182	**730.3630**
1031.5625	9	S	12	1372.6861	686.8470
1088.5839	10	G	11	1285.6541	**643.3310**
1203.6109	11	D	10	1228.6326	**614.8202**
1290.6429	12	S	9	1113.6057	**557.3068**
1403.7270	13	L	8	1026.5737	**513.7908**
1490.7590	14	S	7	**913.4896**	**457.2487**
1587.8118	15	P	6	**826.4576**	**413.7327**
1702.8387	16	D	5	**729.4048**	365.2063
1799.8915	17	P	4	**614.3779**	**307.6929**
1985.9708	18	W	3	**517.3251**	259.1665
2142.0971	19	K	2	331.2458	166.1268
	20	R	1	**175.1195**	88.0637

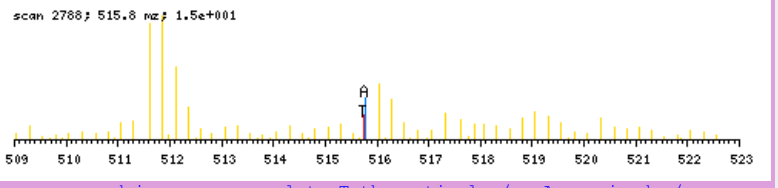
N-term:+29.04 K(4):+156.13
K(19):+156.13

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

TIVCNTKEDGTWGTEHR, MH+ 2059.9871, m/z 515.7522
L OS G17 P120811 220811-s1.02791.02791.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



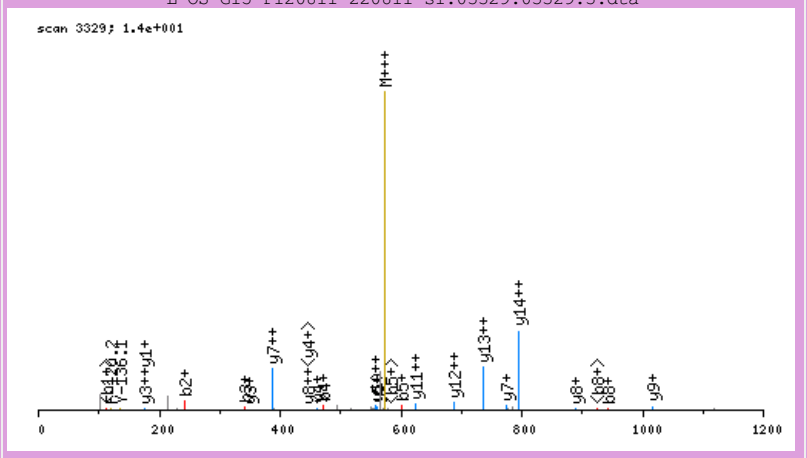
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**17**		
243.1708	**2**	**I**	**16**	1930.9081	965.9580
342.2393	**3**	**V**	**15**	1817.8241	**909.4159**
502.2699	**4**	**C**	**14**	1718.7556	**859.8817**
616.3128	**5**	**N**	**13**	1558.7250	779.8664
717.3605	**6**	**T**	**12**	1444.6821	722.8450
873.4868	**7**	**K**	**11**	1343.6344	672.3211
1002.5294	**8**	**E**	**10**	1187.5081	**594.2580**
1117.5563	**9**	**D**	**9**	1058.4655	529.7367
1174.5778	**10**	**G**	**8**	943.4386	**472.2232**
1275.6254	**11**	**T**	**7**	886.4171	**443.7125**
1461.7048	**12**	**W**	**6**	**785.3695**	**393.1886**
1518.7262	**13**	**G**	**5**	**599.2901**	**300.1490**
1619.7739	**14**	**T**	**4**	**542.2687**	**271.6383**
1748.8165	**15**	**E**	**3**	**441.2210**	221.1144
1885.8754	**16**	**H**	**2**	**312.1784**	**156.5931**
	17	**R**	**1**	175.1195	88.0637

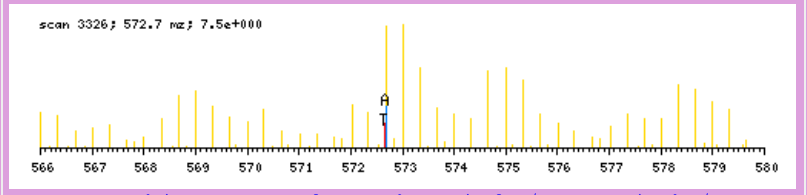
N-term:+29.04 C(4):+160.03
K(7):+156.13

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

TIVEEVQDGKVISSR, MH+ 1715.9544, m/z 572.6563
L OS G15 P120811 220811-s1.03329.03329.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



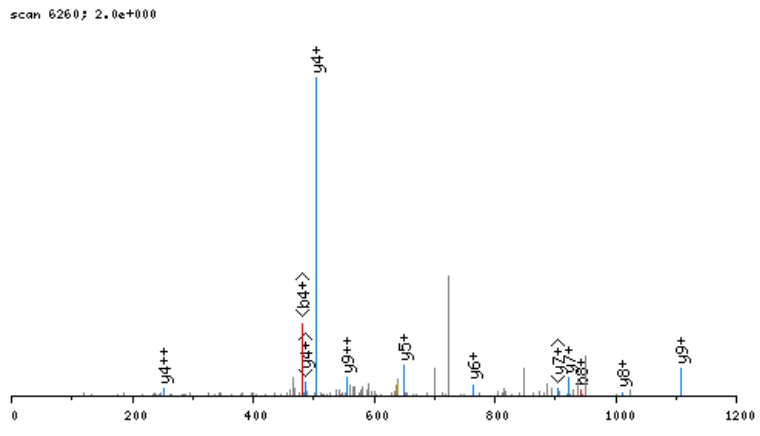
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
243.1708	2	I	14	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

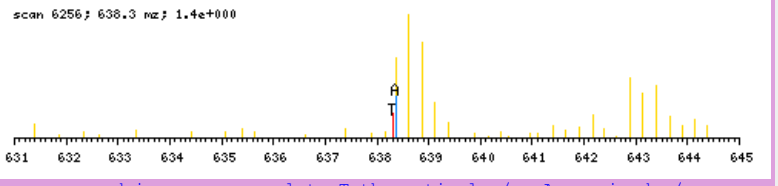
N-term:+29.04 K(10):+156.13

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

TKGKEAPFTHFDPSCLFPACR, MH+ 2550.2637, m/z 638.3214
L_OS_G18_P120811_220811-s1.06260.06260.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



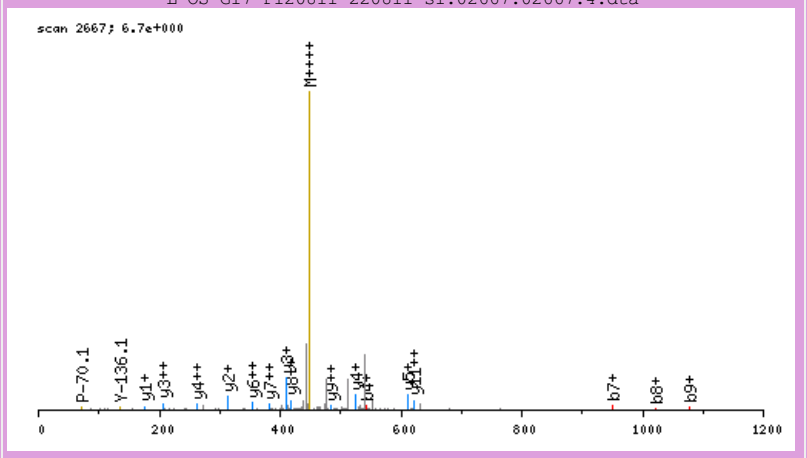
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
286.2131	2	K	20	2421.1847	1211.0963
343.2345	3	G	19	2265.0584	1133.0331
499.3608	4	K	18	2208.0370	1104.5224
628.4034	5	E	17	2051.9107	1026.4593
699.4405	6	A	16	1922.8681	961.9380
796.4933	7	P	15	1851.8310	926.4194
943.5617	8	F	14	1754.7782	877.8930
1044.6094	9	T	13	1607.7098	804.3588
1181.6683	10	H	12	1506.6621	753.8350
1328.7367	11	F	11	1369.6032	685.3055
1443.7637	12	D	10	1222.5348	611.7713
1540.8164	13	P	9	**1107.5078**	**554.2578**
1627.8485	14	S	8	**1010.4551**	505.7315
1787.8791	15	C	7	**923.4231**	462.2154
1900.9631	16	L	6	**763.3925**	382.2001
2048.0315	17	F	5	**650.3084**	325.6581
2145.0843	18	P	4	**503.2400**	**252.1239**
2216.1214	19	A	3	406.1872	203.5975
2376.1520	20	C	2	335.1501	168.0790
	21	R	1	175.1195	88.0637

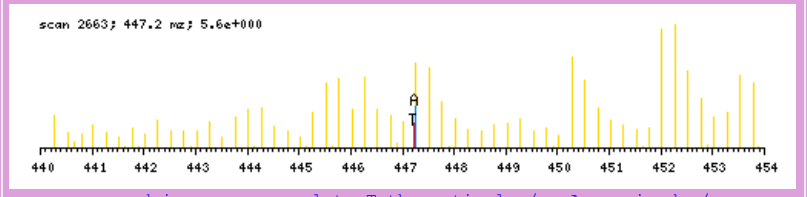
N-term:+29.04 K(2):+156.13
K(4):+156.13 C(15):+160.03
C(20):+160.03

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

TKQEYDEAGPSIVHR, MH+ 1785.9135, m/z 447.2338
L OS G17 P120811 220811-s1.02667.02667.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



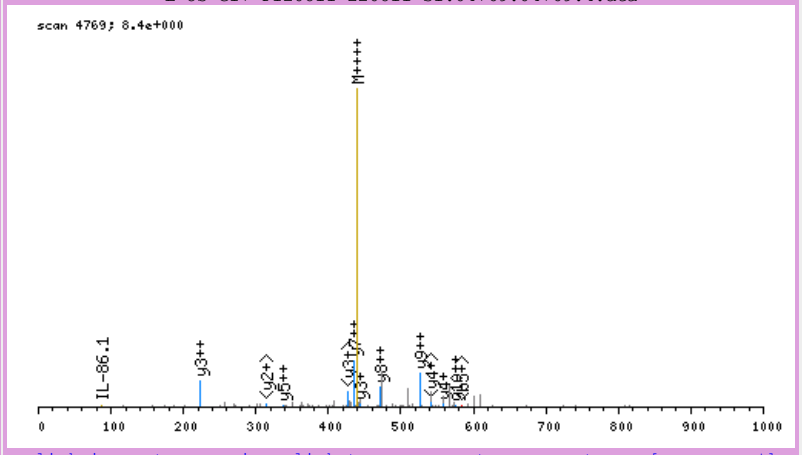
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
286.2131	2	K	14	1656.8346	828.9212
414.2717	3	Q	13	1500.7083	750.8581
543.3142	4	E	12	1372.6497	686.8288
706.3776	5	Y	11	1243.6071	**622.3075**
821.4045	6	D	10	1080.5438	540.7758
950.4471	7	E	9	965.5169	**483.2623**
1021.4842	8	A	8	836.4743	**418.7410**
1078.5057	9	G	7	765.4371	**383.2225**
1175.5585	10	P	6	708.4157	**354.7118**
1262.5905	11	S	5	**611.3629**	306.1854
1375.6745	12	I	4	**524.3309**	**262.6694**
1474.7430	13	V	3	**411.2468**	**206.1273**
1611.8019	14	H	2	**312.1784**	156.5931
	15	R	1	**175.1195**	88.0637

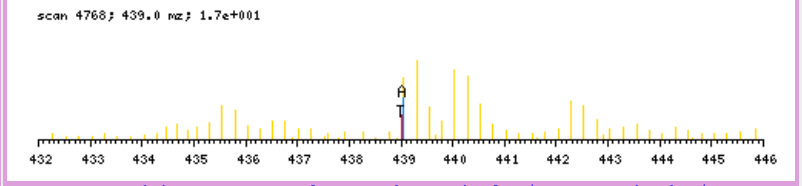
N-term:+29.04 K(2):+156.13

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

TKQSTVLAPVIDLKR, MH+ 1753.0952, m/z 439.0293
L OS G17 P120811 220811-s1.04769.04769.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



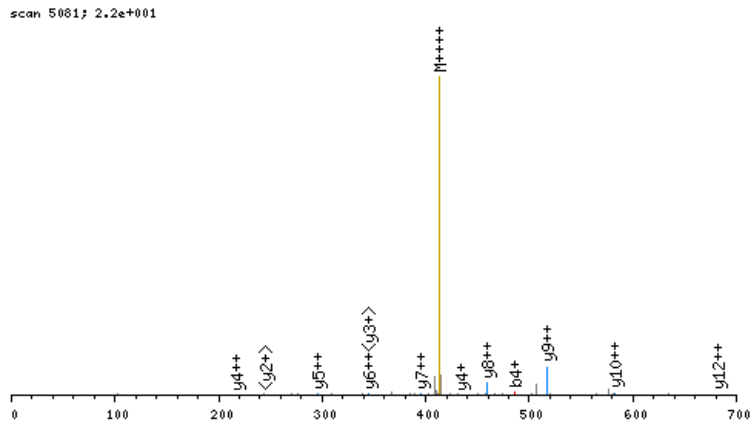
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
286.2131	2	K	14	1624.0162	812.5120
414.2717	3	Q	13	1467.8899	734.4489
501.3037	4	S	12	1339.8313	670.4196
602.3514	5	T	11	1252.7993	626.9036
701.4198	6	V	10	1151.7516	**576.3797**
814.5038	7	L	9	1052.6832	**526.8455**
885.5410	8	A	8	939.5992	**470.3035**
982.5937	9	P	7	868.5620	**434.7849**
1081.6621	10	V	6	771.5093	386.2586
1194.7462	11	I	5	672.4409	**336.7243**
1309.7731	12	D	4	**559.3568**	280.1823
1422.8572	13	L	3	**444.3299**	**222.6688**
1578.9835	14	K	2	331.2458	166.1268
	15	R	1	175.1195	88.0637

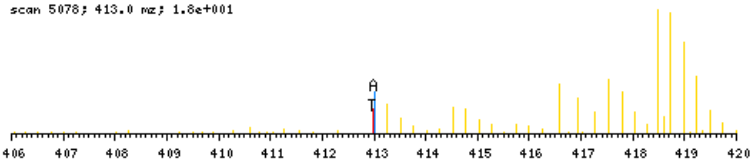
N-term:+29.04 K(2):+156.13
K(14):+156.13

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

TKSLMDEVVKATSR, MH+ 1648.9308, m/z 412.9882
L OS G17 P120811 220811-s1.05081.05081.4.dta



click image to zoom in; click top corners to zoom out [precursor]



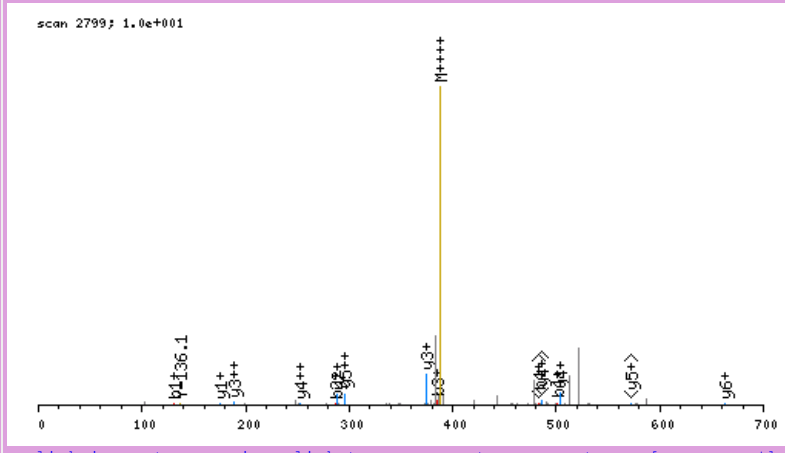
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
286.2131	2	K	13	1519.8519	760.4298
373.2451	3	S	12	1363.7256	**682.3667**
486.3292	4	L	11	1276.6935	638.8507
617.3697	5	M	10	1163.6095	**582.3086**
732.3966	6	D	9	1032.5690	**516.7884**
861.4392	7	E	8	917.5420	**459.2749**
960.5076	8	V	7	788.4994	**394.7536**
1059.5760	9	V	6	689.4310	**345.2194**
1215.7023	10	K	5	590.3626	**295.6852**
1286.7394	11	A	4	**434.2363**	**217.6221**
1387.7871	12	T	3	363.1992	182.1035
1474.8191	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

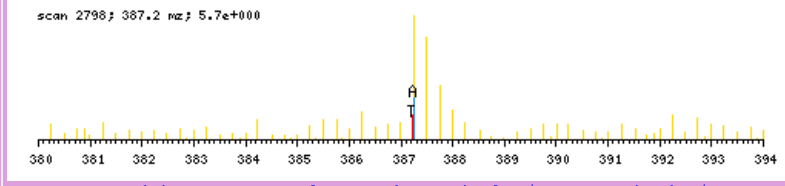
N-term:+29.04 K(2):+156.13
K(10):+156.13

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

TKVDKLDASESLR, MH+ 1545.8852, m/z 387.2268
L OS G17 P120811 220811-s1.02799.02799.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



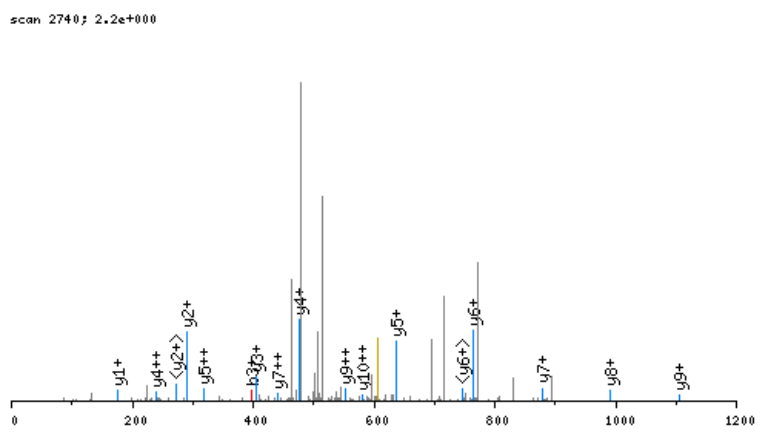
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**13**		
286.2131	**2**	**K**	**12**	1416.8063	708.9071
385.2815	**3**	**V**	**11**	1260.6800	630.8439
500.3084	**4**	**D**	**10**	1161.6116	581.3097
656.4347	**5**	**K**	**9**	1046.5846	523.7962
769.5188	**6**	**L**	**8**	890.4583	445.7331
884.5457	**7**	**D**	**7**	777.3743	389.1910
955.5829	**8**	**A**	**6**	**662.3473**	331.6776
1042.6149	**9**	**S**	**5**	591.3102	**296.1590**
1171.6575	**10**	**E**	**4**	**504.2782**	**252.6430**
1258.6895	**11**	**S**	**3**	**375.2356**	**188.1217**
1371.7736	**12**	**L**	**2**	**288.2036**	144.6057
	13	**R**	**1**	**175.1195**	88.0637

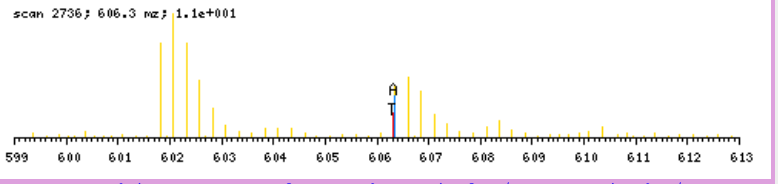
N-term:+29.04 K(2):+156.13
K(5):+156.13

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

TKVNKECCHGDLLECADDR, MH+ 2422.2012, m/z 606.3058
H OS G18 P120811 220811-s1.02740.02740.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



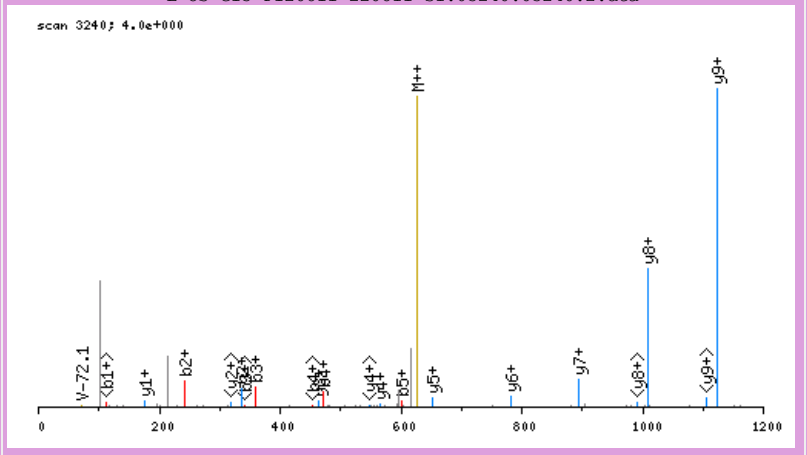
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	19		
298.2767	2	K	18	2287.0905	1144.0492
397.3451	3	V	17	2124.9324	1062.9701
511.3880	4	N	16	2025.8640	1013.4359
673.5461	5	K	15	1911.8210	956.4144
802.5887	6	E	14	1749.6629	875.3354
962.6193	7	C	13	1620.6203	810.8141
1122.6499	8	C	12	1460.5897	730.7988
1259.7088	9	H	11	1300.5591	650.7835
1316.7303	10	G	10	1163.5002	**582.2540**
1431.7572	11	D	9	**1106.4788**	**553.7433**
1544.8413	12	L	8	**991.4518**	496.2298
1657.9254	13	L	7	**878.3678**	**439.6878**
1786.9680	14	E	6	**765.2837**	383.1458
1946.9986	15	C	5	**636.2411**	**318.6245**
2018.0357	16	A	4	**476.2105**	**238.6092**
2133.0626	17	D	3	**405.1734**	203.0906
2248.0896	18	D	2	**290.1464**	145.5771
	19	R	1	**175.1195**	88.0637

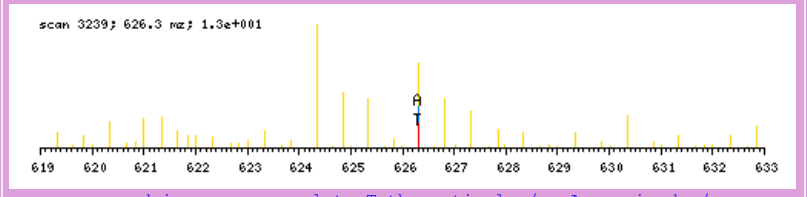
N-term:+35.07 K(2):+162.16
K(5):+162.16 C(7):+160.03 C(8):+160.03
C(15):+160.03

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

TLDIESTECR, MH+ 1251.5890, m/z 626.2981
L OS G13 P120811 220811-s1.03240.03240.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



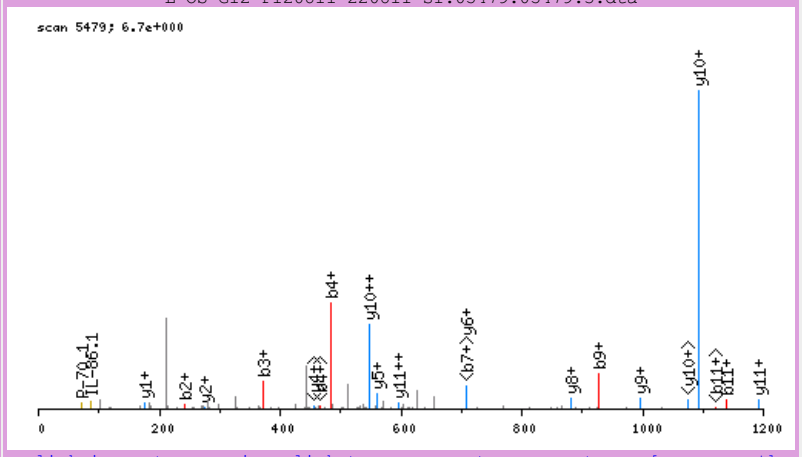
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
243.1708	2	L	9	1122.5101	561.7589
358.1978	3	D	8	1009.4260	505.2169
471.2818	4	I	7	894.3991	447.7034
600.3244	5	E	6	781.3150	391.1614
687.3565	6	S	5	652.2724	326.6401
788.4041	7	T	4	565.2404	283.1241
917.4467	8	E	3	464.1927	232.6003
1077.4773	9	C	2	335.1501	168.0790
	10	R	1	175.1195	88.0637

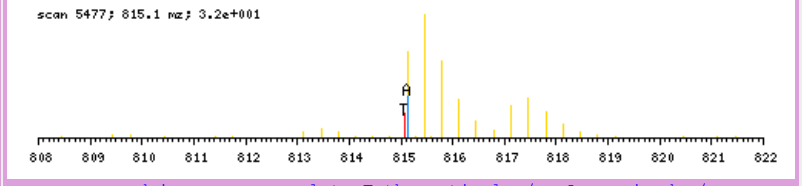
N-term:+29.04 C(9):+160.03

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

TLEIPGSSDPNIVPDGDFSSLVR, MH+ 2443.2356, m/z 815.0834
L OS G12 P120811 220811-s1.05479.05479.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



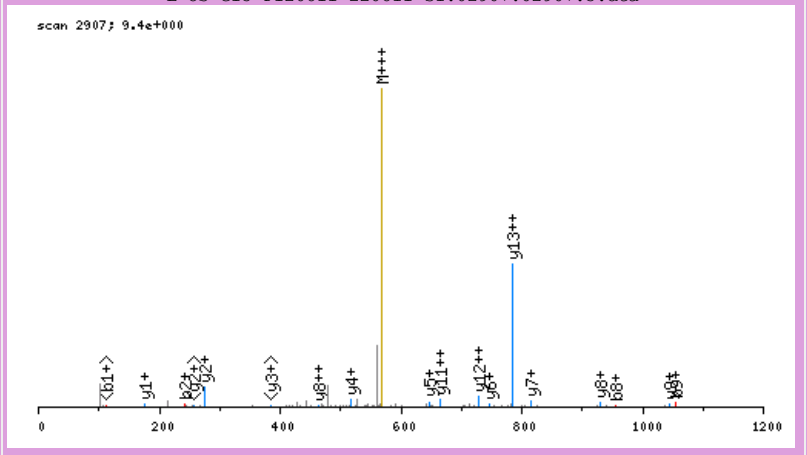
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	23		
243.1708	2	L	22	2314.1567	1157.5823
372.2134	3	E	21	2201.0726	1101.0402
485.2975	4	I	20	2072.0300	1036.5189
582.3503	5	P	19	1958.9460	979.9769
639.3717	6	G	18	1861.8932	931.4505
726.4038	7	S	17	1804.8717	902.9398
813.4358	8	S	16	1717.8397	859.4238
928.4627	9	D	15	1630.8077	815.9078
1025.5155	10	P	14	1515.7807	758.3943
1139.5584	11	N	13	1418.7280	709.8679
1252.6425	12	I	12	1304.6850	652.8464
1351.7109	13	V	11	**1191.6010**	**596.3044**
1448.7637	14	P	10	**1092.5326**	**546.7702**
1563.7906	15	D	9	**995.4798**	498.2438
1620.8121	16	G	8	**880.4529**	440.7303
1735.8390	17	D	7	823.4314	412.2196
1882.9074	18	F	6	**708.4044**	354.7061
1969.9395	19	S	5	**561.3360**	281.1719
2056.9715	20	S	4	474.3040	237.6559
2170.0555	21	L	3	387.2720	194.1399
2269.1240	22	V	2	**274.1879**	137.5979
	23	R	1	**175.1195**	88.0637

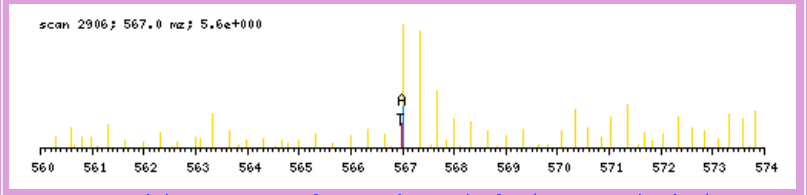
N-term:+29.04

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

TLEQKNIAVENEVR, MH+ 1698.9390, m/z 566.9845
L OS G15 P120811 220811-s1.02907.02907.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



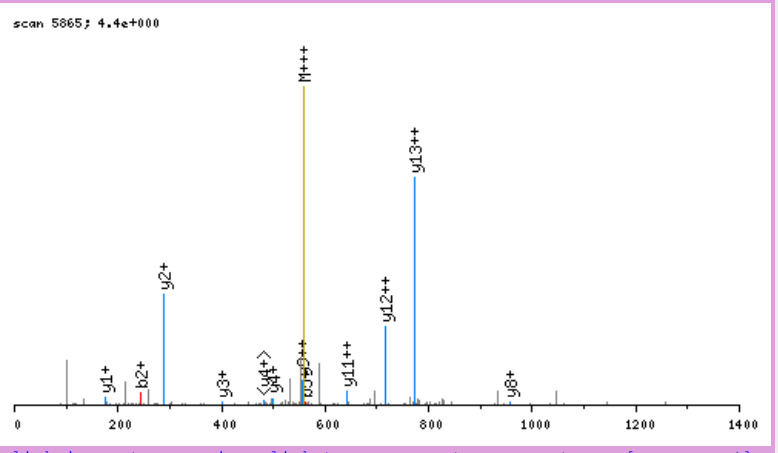
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
243.1708	2	L	13	1569.8601	**785.4340**
372.2134	3	E	12	1456.7760	**728.8919**
500.2720	4	Q	11	1327.7334	**664.3706**
656.3983	5	K	10	1199.6748	600.3413
770.4412	6	N	9	**1043.5485**	522.2782
883.5253	7	I	8	**929.5056**	**465.2567**
954.5624	8	A	7	**816.4216**	408.7147
1053.6308	9	V	6	**745.3844**	373.1961
1182.6734	10	E	5	**646.3160**	323.6619
1296.7164	11	N	4	**517.2734**	259.1406
1425.7589	12	E	3	403.2305	202.1192
1524.8274	13	V	2	**274.1879**	137.5979
	14	R	1	**175.1195**	88.0637

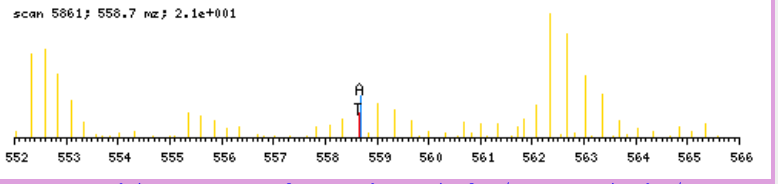
N-term:+29.04 K(5):+156.13

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

TLFGDKLCAIPNLR, MH+ 1673.9412, m/z 558.6519
L OS G15 P120811 220811-s1.05865.05865.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



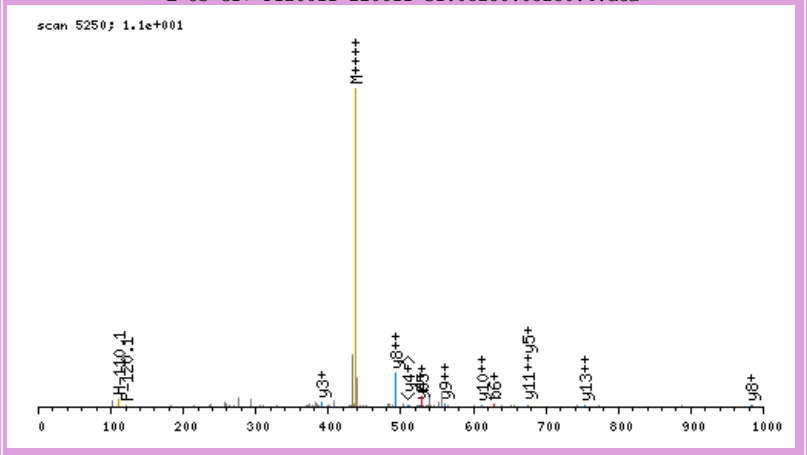
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

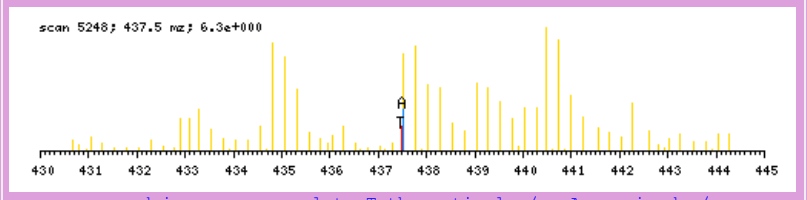
N-term:+29.04 K(6):+156.13
C(8):+160.03

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+ 1746.9655, m/z 437.4968
L OS G17 P120811 220811-s1.05250.05250.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



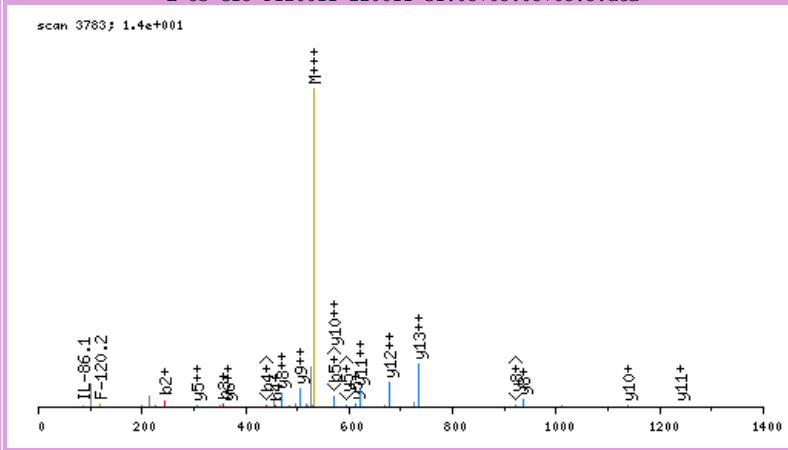
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
243.1708	2	L	14	1617.8865	809.4472
300.1923	3	G	13	1504.8025	**752.9051**
399.2607	4	V	12	1447.7810	724.3944
528.3033	5	E	11	1348.7126	**674.8602**
627.3717	6	V	10	1219.6700	**610.3389**
764.4306	7	H	9	1120.6016	**560.8047**
861.4834	8	P	8	**983.5427**	**492.2752**
974.5675	9	L	7	886.4899	443.7489
1073.6359	10	V	6	773.4058	387.2068
1220.7043	11	F	5	**674.3374**	337.6726
1357.7632	12	H	4	**527.2690**	264.1384
1458.8109	13	T	3	**390.2101**	195.6090
1572.8538	14	N	2	289.1624	145.0851
	15	R	1	175.1195	88.0637

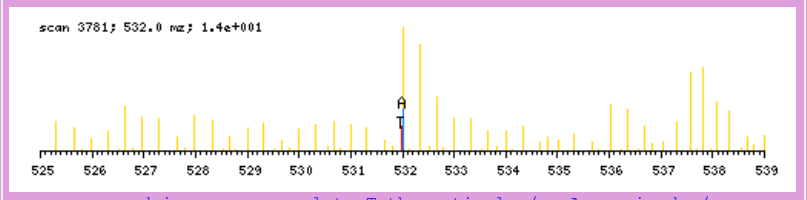
N-term:+29.04

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TLLTEAPLNPKANR, MH+ 1593.9328, m/z 531.9825
L OS G15 P120811 220811-s1.03783.03783.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



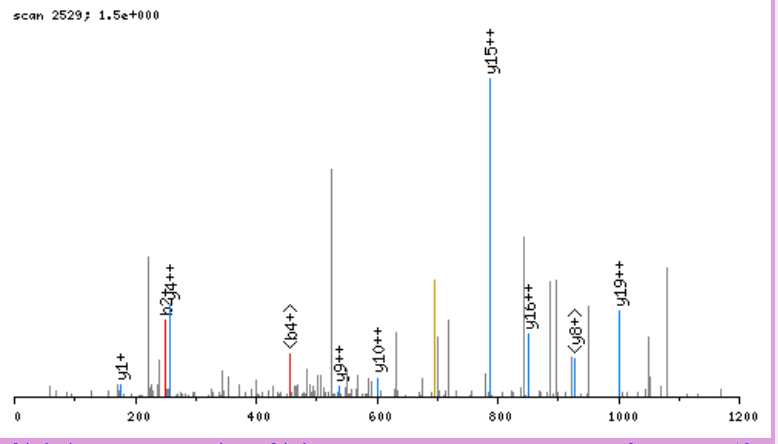
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
243.1708	2	L	13	1464.8539	732.9308
356.2549	3	L	12	1351.7698	676.3888
457.3026	4	T	11	1238.6857	619.8468
586.3452	5	E	10	1137.6381	569.3229
657.3823	6	A	9	1008.5955	504.8017
754.4351	7	P	8	937.5584	469.2831
867.5191	8	L	7	840.5056	420.7567
981.5620	9	N	6	727.4215	364.2147
1078.6148	10	P	5	613.3786	307.1932
1234.7411	11	K	4	516.3258	258.6668
1305.7782	12	A	3	360.1995	180.6037
1419.8212	13	N	2	289.1624	145.0851
	14	R	1	175.1195	88.0637

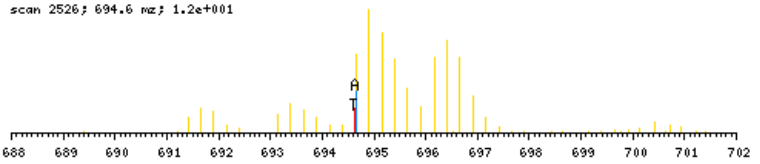
N-term:+29.04 K(11):+156.13

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

TLPENALLSVEASGSAQENMPSLARR, MH+ 2775.4523, m/z 694.6185
H OS G18 P120811 220811-s1.02529.02529.4.dta



click image to zoom in; click top corners to zoom out [precursor]



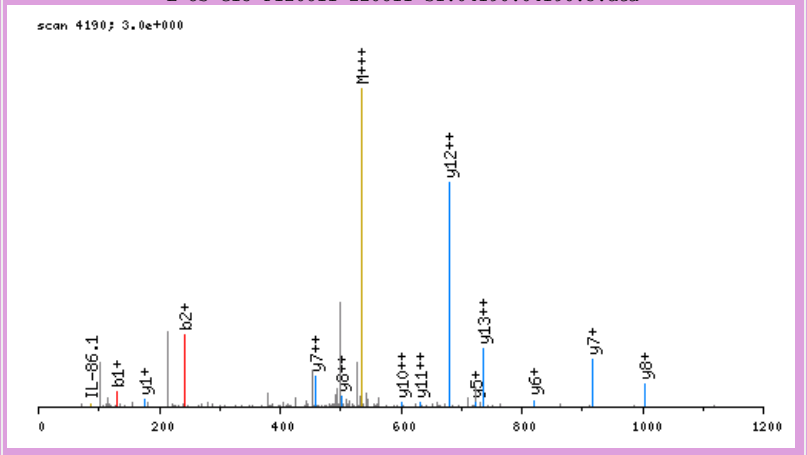
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	26		
249.2026	2	L	25	2640.3415	1320.6747
346.2554	3	P	24	2527.2575	1264.1326
475.2980	4	E	23	2430.2047	1215.6063
589.3409	5	N	22	2301.1621	1151.0850
660.3780	6	A	21	2187.1192	1094.0635
773.4621	7	L	20	2116.0821	1058.5450
886.5462	8	L	19	2002.9980	1002.0029
973.5782	9	S	18	1889.9139	945.4609
1072.6466	10	V	17	1802.8819	901.9449
1201.6892	11	E	16	1703.8135	852.4107
1272.7263	12	A	15	1574.7709	787.8894
1359.7583	13	S	14	1503.7338	752.3708
1416.7798	14	G	13	1416.7018	708.8548
1503.8118	15	S	12	1359.6803	680.3441
1574.8490	16	A	11	1272.6483	636.8281
1702.9075	17	Q	10	1201.6112	601.3095
1831.9501	18	E	9	1073.5526	537.2802
1945.9931	19	N	8	944.5100	472.7589
2077.0335	20	M	7	830.4671	415.7374
2174.0863	21	P	6	699.4266	350.2172
2261.1183	22	S	5	602.3738	301.6908
2374.2024	23	L	4	515.3418	258.1748
2445.2395	24	A	3	402.2577	201.6328
2601.3406	25	R	2	331.2206	166.1142
	26	R	1	175.1195	88.0637

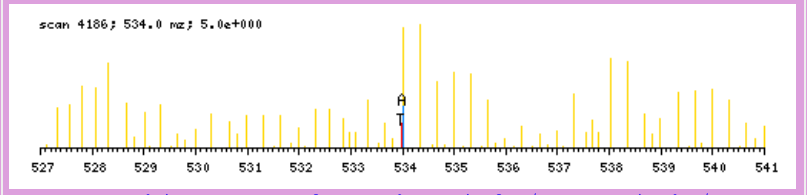
N-term:+35.07

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

TLPGSLSPPVEKYR, MH+ 1599.9110, m/z 533.9752
L OS G15 P120811 220811-s1.04190.04190.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



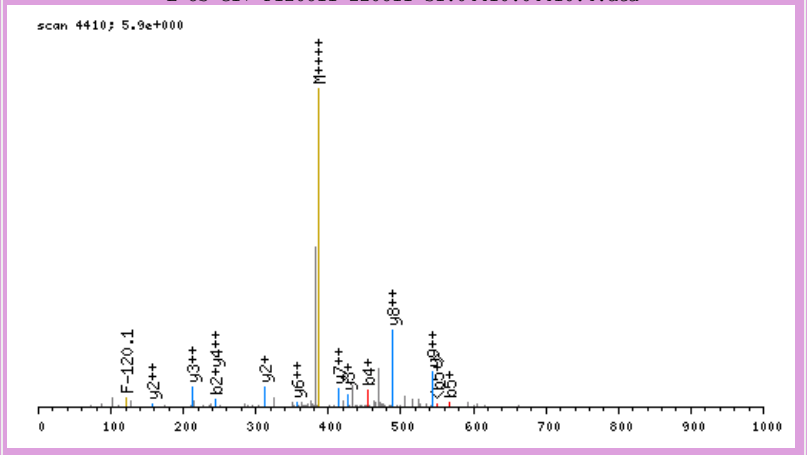
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

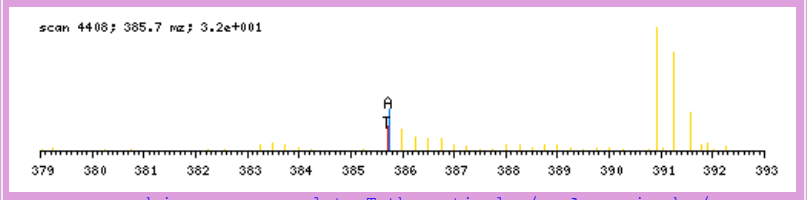
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

TLPLNFDKAGDHR, MH+ 1539.8284, m/z 385.7125
L OS G17 P120811 220811-s1.04410.04410.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



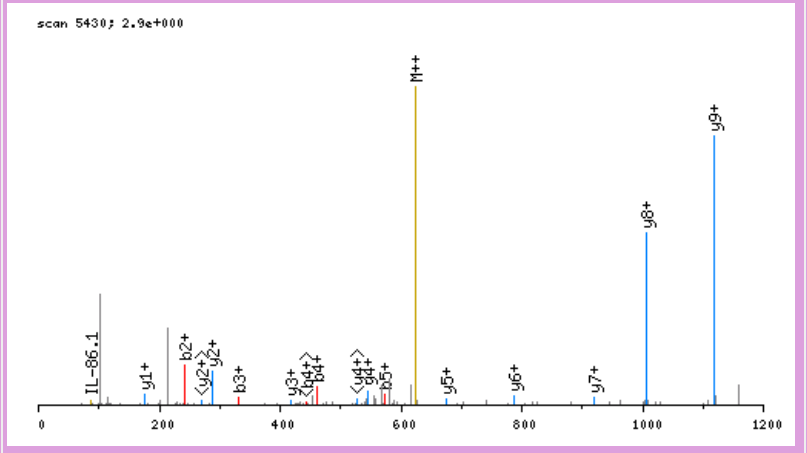
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
243.1708	2	L	12	1410.7494	705.8786
340.2236	3	P	11	1297.6653	649.3366
453.3077	4	L	10	1200.6126	600.8102
567.3506	5	N	9	1087.5285	**544.2682**
714.4190	6	F	8	973.4856	**487.2467**
829.4460	7	D	7	826.4172	**413.7125**
985.5723	8	K	6	711.3902	**356.1990**
1056.6094	9	A	5	555.2639	278.1359
1113.6308	10	G	4	484.2268	**242.6173**
1228.6578	11	D	3	**427.2054**	**214.1066**
1365.7167	12	H	2	**312.1784**	**156.5931**
	13	R	1	175.1195	88.0637

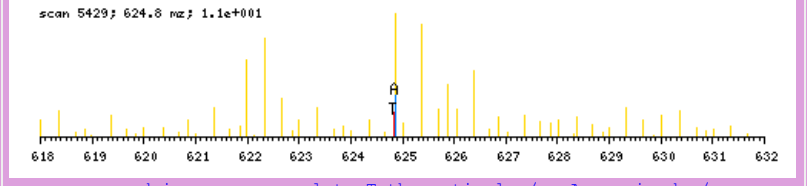
N-term:+29.04 K(8):+156.13

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

TLSMIEEEIR, MH+ 1248.6509, m/z 624.8291
L OS G13 P120811 220811-s1.05430.05430.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



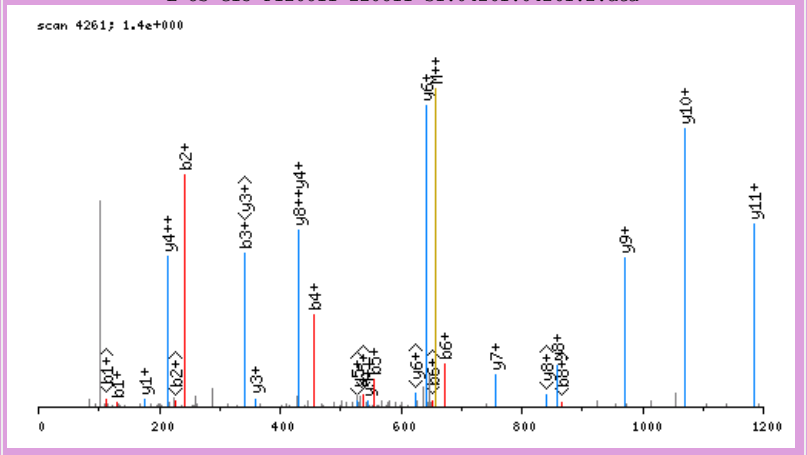
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
243.1708	2	L	9	1119.5720	560.2899
330.2029	3	S	8	1006.4879	503.7479
461.2434	4	M	7	919.4559	460.2319
574.3274	5	I	6	788.4154	394.7116
703.3700	6	E	5	675.3313	338.1696
832.4126	7	E	4	546.2888	273.6483
961.4552	8	E	3	417.2462	209.1270
1074.5393	9	I	2	288.2036	144.6057
	10	R	1	175.1195	88.0637

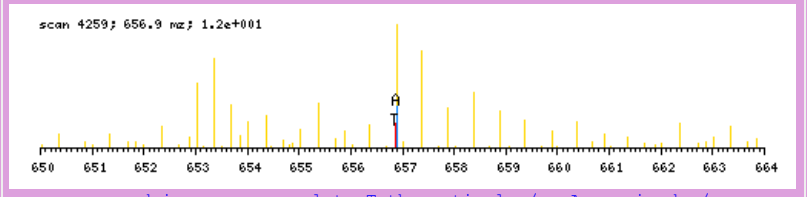
N-term:+29.04

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

TLVLTDPDAPSR, MH+ 1312.7112, m/z 656.8593
L OS G13 P120811 220811-s1.04261.04261.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



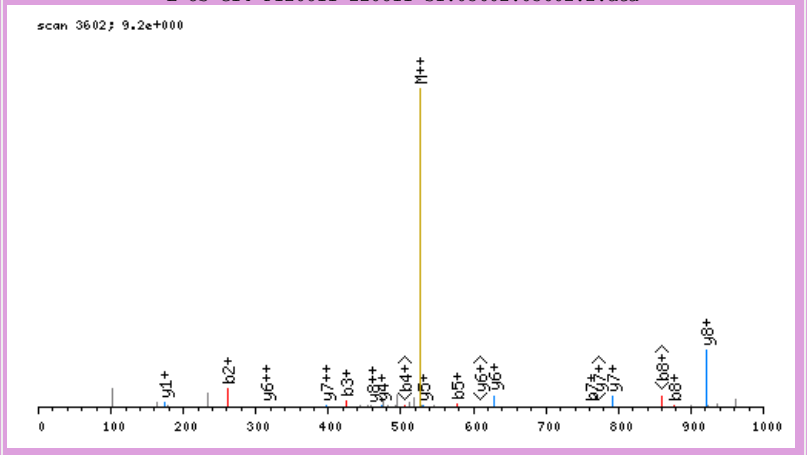
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
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

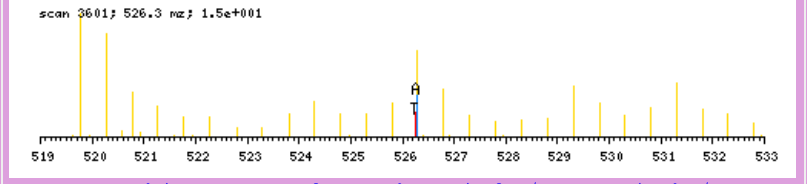
N-term:+29.04

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

TMYPGIADR, MH+ 1051.5246, m/z 526.2659
L OS G14 P120811 220811-s1.03602.03602.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



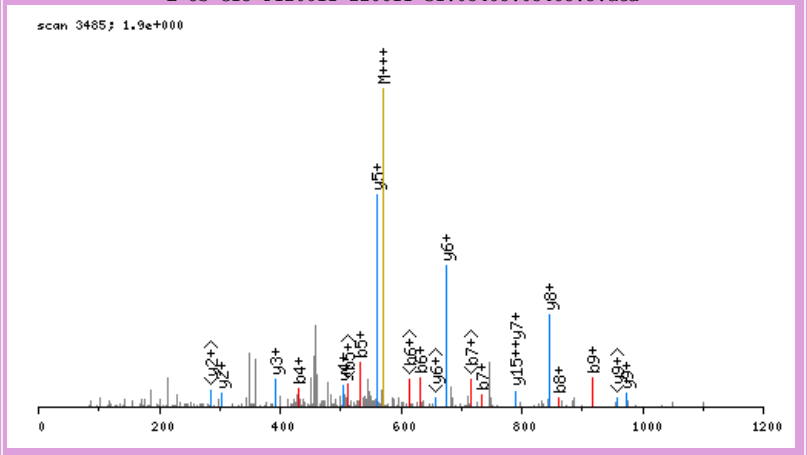
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	9		
261.1273	2	M	8	922.4457	461.7267
424.1906	3	Y	7	791.4052	396.2065
521.2434	4	P	6	628.3418	314.6748
578.2648	5	G	5	531.2891	266.1485
691.3489	6	I	4	474.2676	237.6377
762.3860	7	A	3	361.1836	181.0957
877.4129	8	D	2	290.1464	145.5771
	9	R	1	175.1195	88.0637

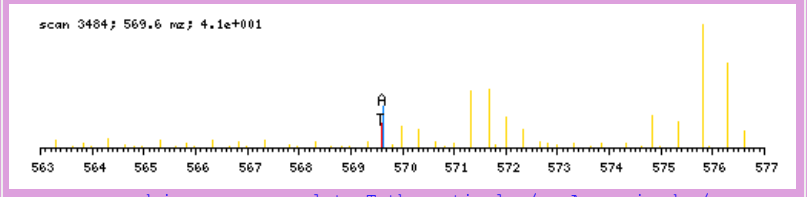
N-term:+29.04

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

TNGETTTQGLDGLSER, MH+ 1706.8197, m/z 569.6114
L OS G13 P120811 220811-s1.03485.03485.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



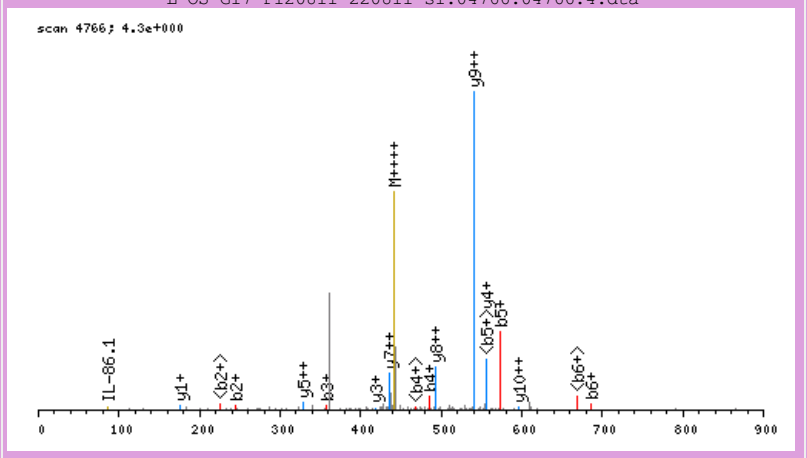
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

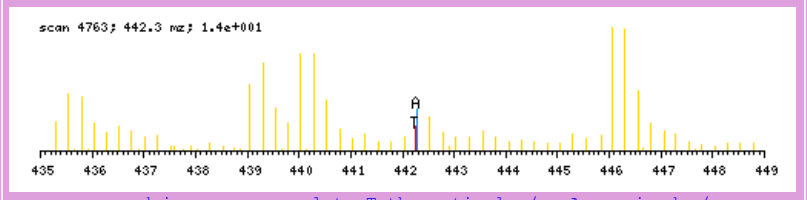
N-term:+29.04

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

TNLESLPLVDTHSKR, MH+ 1765.9812, m/z 442.2508
L OS G17 P120811 220811-s1.04766.04766.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



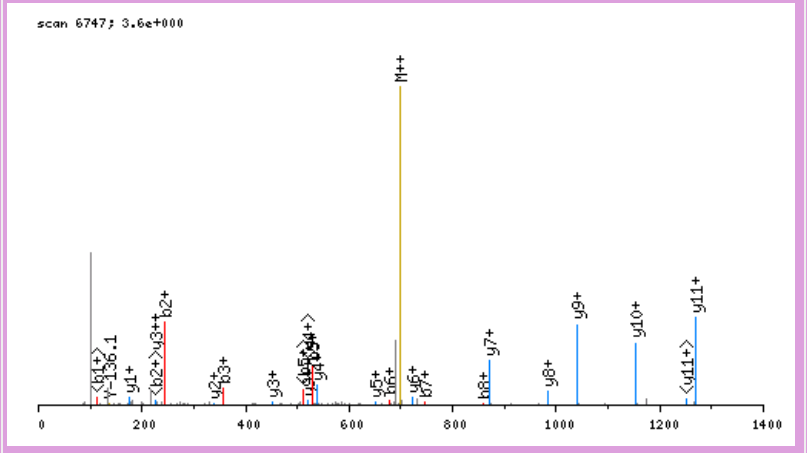
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
244.1297	2	N	14	1636.9023	818.9551
357.2138	3	L	13	1522.8594	761.9336
486.2564	4	E	12	1409.7753	705.3916
573.2884	5	S	11	1280.7327	640.8703
686.3725	6	L	10	1193.7007	**597.3542**
783.4252	7	P	9	1080.6166	**540.8122**
896.5093	8	L	8	983.5638	**492.2858**
995.5777	9	V	7	870.4798	**435.7438**
1110.6046	10	D	6	771.4114	386.2096
1211.6523	11	T	5	656.3844	**328.6961**
1348.7112	12	H	4	**555.3367**	278.1723
1435.7433	13	S	3	**418.2778**	209.6428
1591.8696	14	K	2	331.2458	166.1268
	15	R	1	**175.1195**	88.0637

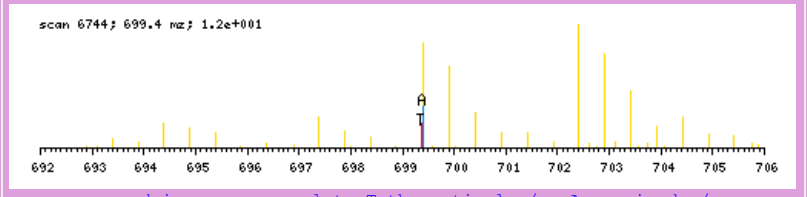
N-term:+29.04 K(14):+156.13

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

TNLGDFAISLYR, MH+ 1397.7429, m/z 699.3751
L OS G13 P120811 220811-s1.06747.06747.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



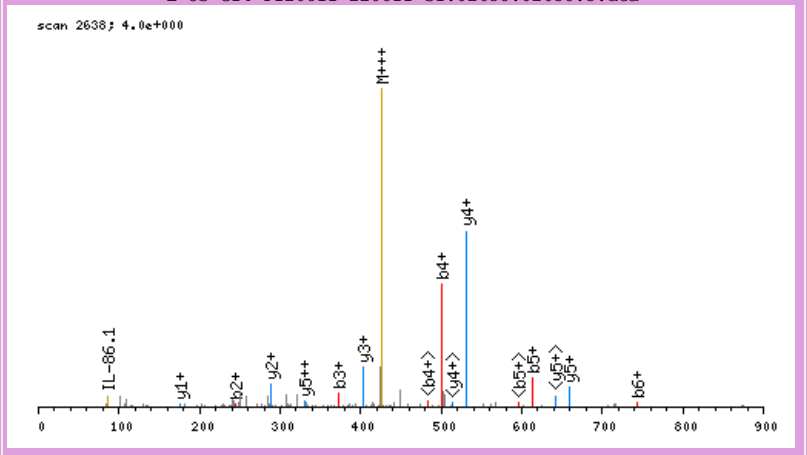
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	12		
244.1297	2	N	11	1268.6639	634.8359
357.2138	3	L	10	1154.6210	577.8144
414.2352	4	G	9	1041.5369	521.2724
529.2622	5	D	8	984.5155	492.7616
676.3306	6	F	7	869.4885	435.2482
747.3677	7	A	6	722.4201	361.7140
860.4518	8	I	5	651.3830	326.1954
947.4838	9	S	4	538.2989	269.6534
1060.5679	10	L	3	451.2669	226.1374
1223.6312	11	Y	2	338.1828	169.5953
	12	R	1	175.1195	88.0637

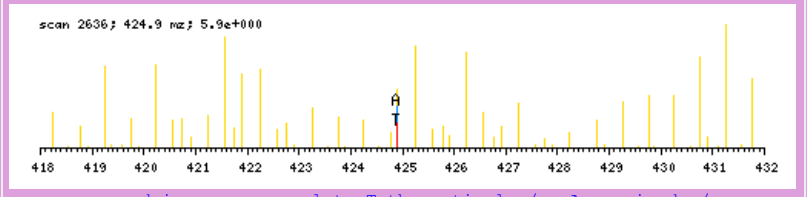
N-term:+29.04

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

TNQELQEINR, MH+ 1272.6548, m/z 424.8898
L OS G14 P120811 220811-s1.02638.02638.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



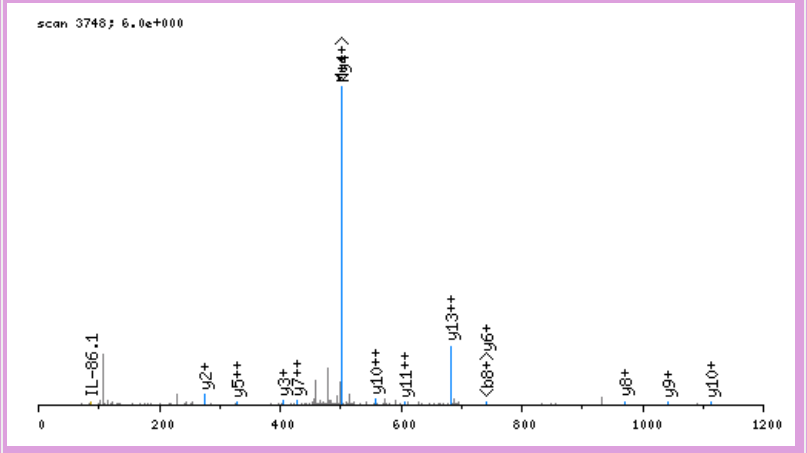
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
244.1297	2	N	9	1143.5758	572.2918
372.1883	3	Q	8	1029.5329	515.2704
501.2309	4	E	7	901.4743	451.2411
614.3149	5	L	6	772.4317	386.7198
742.3735	6	Q	5	**659.3477**	**330.1777**
871.4161	7	E	4	**531.2891**	266.1485
984.5002	8	I	3	**402.2465**	201.6272
1098.5431	9	N	2	**289.1624**	145.0851
	10	R	1	**175.1195**	88.0637

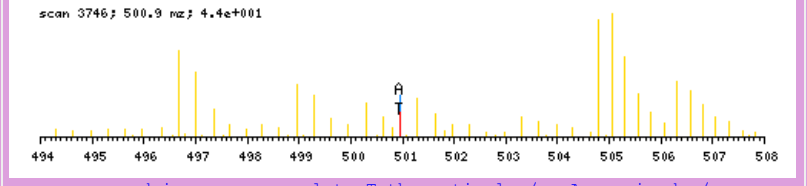
N-term:+29.04

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

TPGVAADLSHIETR, MH+ 1500.8234, m/z 500.9460
H OS G15 P120811 220811-s1.03748.03748.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



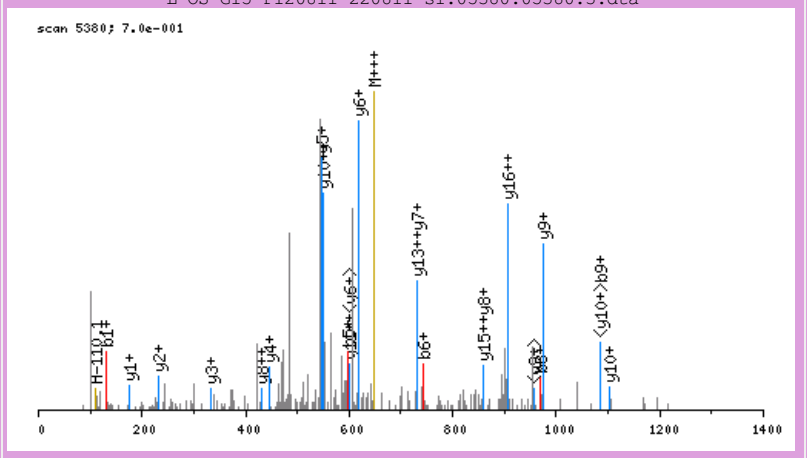
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
233.1713	2	P	13	1365.7127	**683.3602**
290.1928	3	G	12	1268.6599	634.8339
389.2612	4	V	11	1211.6384	**606.3231**
460.2983	5	A	10	**1112.5700**	**556.7889**
531.3354	6	A	9	**1041.5329**	521.2704
646.3624	7	D	8	**970.4958**	485.7518
759.4465	8	L	7	855.4688	**428.2383**
846.4785	9	S	6	**742.3848**	371.6963
983.5374	10	H	5	655.3527	**328.1803**
1096.6215	11	I	4	518.2938	259.6508
1225.6641	12	E	3	**405.2098**	203.1088
1326.7117	13	T	2	**276.1672**	138.5875
	14	R	1	175.1195	88.0637

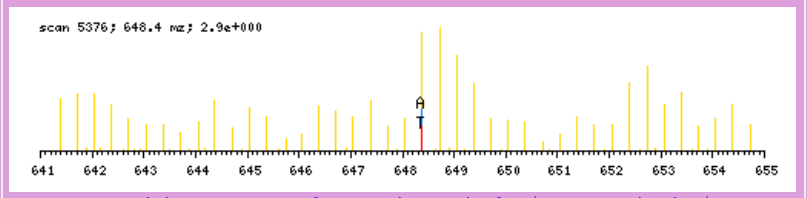
N-term:+35.07

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

TPKVDFPQDQLATLTGR, MH+ 1943.0602, m/z 648.3583
L OS G15 P120811 220811-s1.05380.05380.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



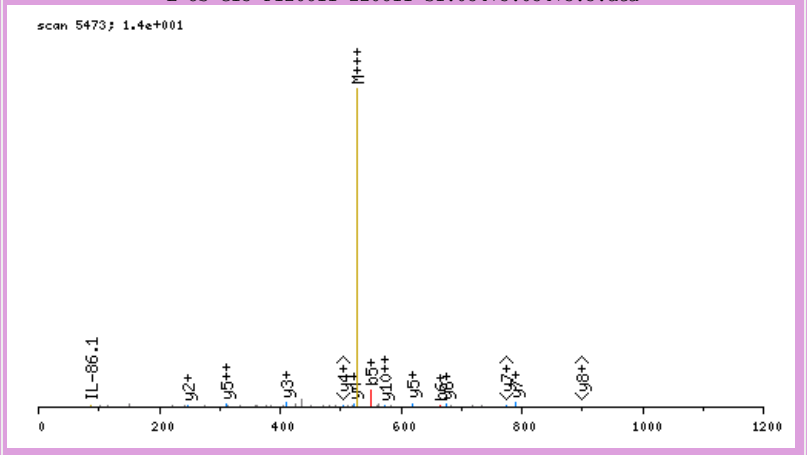
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
227.1395	2	P	16	1813.9813	907.4945
383.2658	3	K	15	1716.9285	858.9682
482.3343	4	V	14	1560.8022	780.9050
597.3612	5	D	13	1461.7338	731.3708
744.4296	6	F	12	1346.7068	673.8573
841.4824	7	P	11	1199.6384	600.3231
969.5410	8	Q	10	1102.5857	551.7967
1084.5679	9	D	9	974.5271	487.7675
1212.6265	10	Q	8	859.5001	430.2540
1325.7105	11	L	7	731.4416	366.2247
1396.7477	12	A	6	618.3575	309.6827
1497.7953	13	T	5	547.3204	274.1641
1610.8794	14	L	4	446.2727	223.6403
1711.9271	15	T	3	333.1886	167.0982
1768.9485	16	G	2	232.1410	116.5744
	17	R	1	175.1195	88.0637

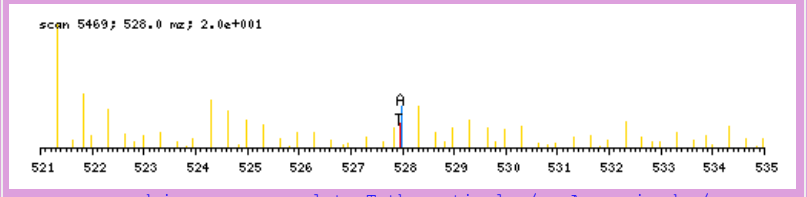
N-term:+29.04 K(3):+156.13

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

TPLPNLQNGPIYAR, MH+ 1581.8753, m/z 527.9633
L OS G13 P120811 220811-s1.05473.05473.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



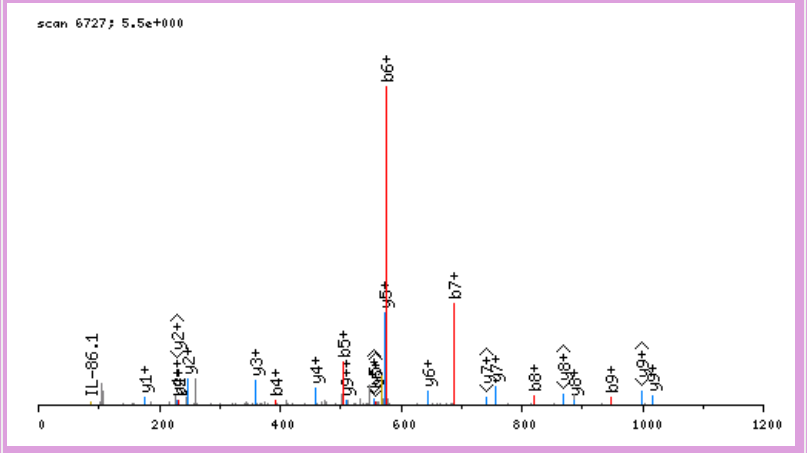
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

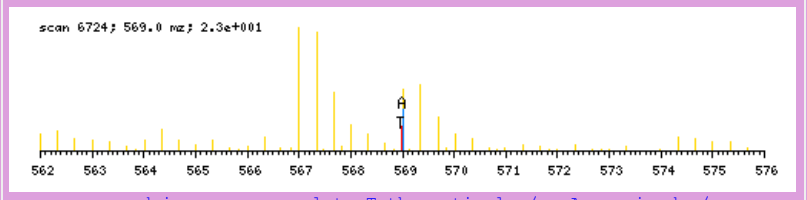
N-term:+29.04

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

TPSALAIMENANVLAR, MH+ 1704.9530, m/z 568.9892
H OS G13 P120811 220811-s1.06727.06727.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



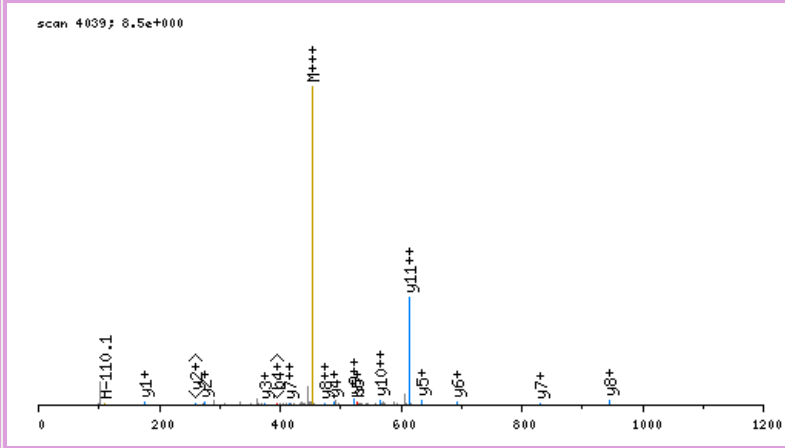
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

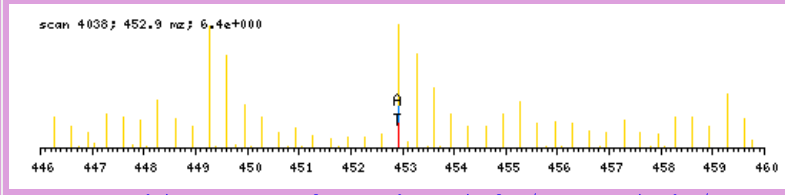
N-term:+35.07

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

TPSVDHGFLVTR, MH+ 1356.7275, m/z 452.9140
L OS G16 P120811 220811-s1.04039.04039.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



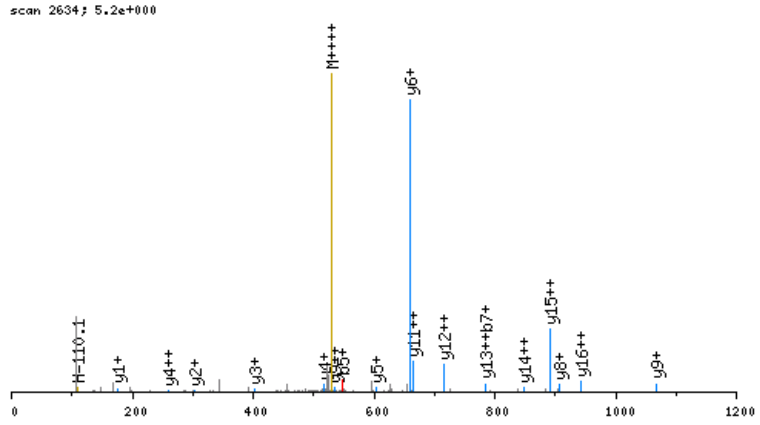
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	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

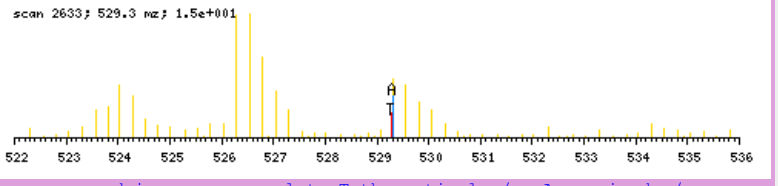
N-term:+29.04

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 G17 P120811 220811-s1.02634.02634.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



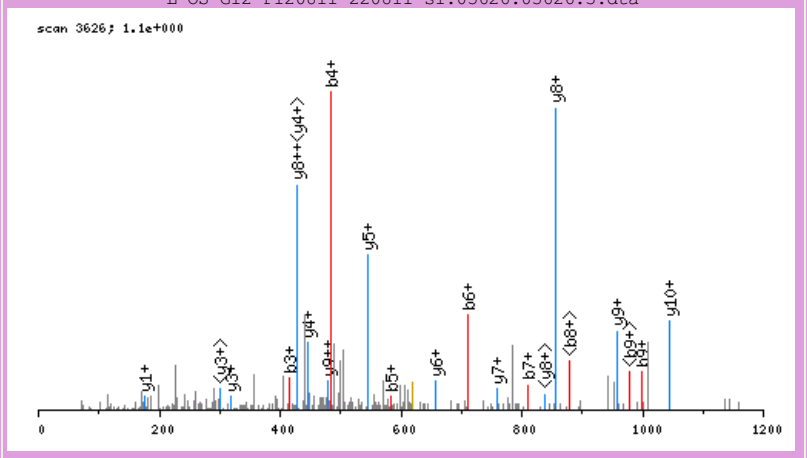
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

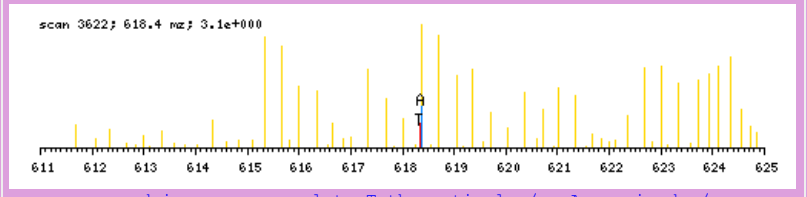
N-term:+35.07 K(9):+162.16
C(10):+160.03 C(11):+160.03

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

TQKAPQVSTPTLVEAAR, MH+ 1853.0496, m/z 618.3547
L OS G12 P120811 220811-s1.03626.03626.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



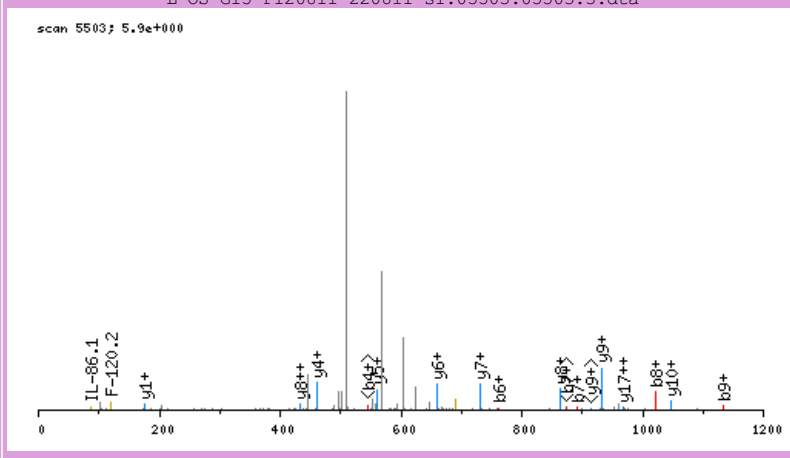
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

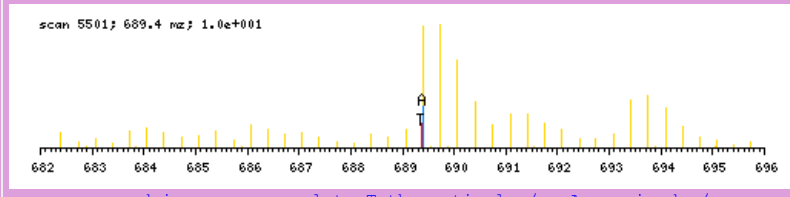
N-term:+29.04 K(3):+156.13

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

TQKFSNEEIAMATVTALR, MH+ 2066.0956, m/z 689.3701
L OS G15 P120811 220811-s1.05503.05503.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



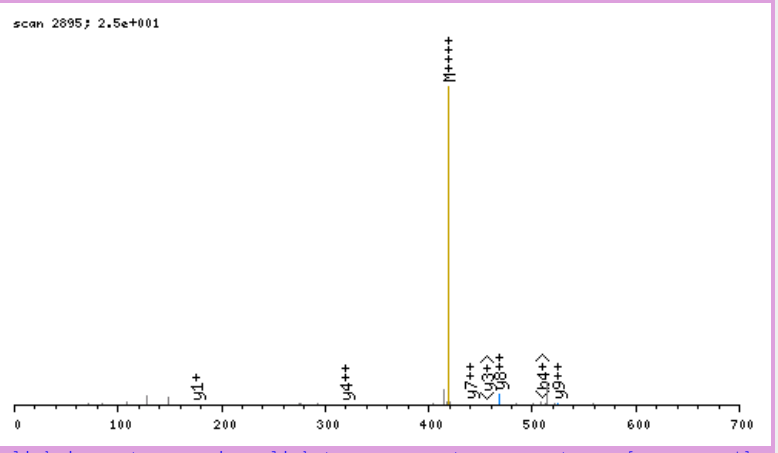
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
258.1454	2	Q	17	1937.0167	**969.0122**
414.2717	3	K	16	1808.9581	904.9830
561.3401	4	F	15	1652.8318	826.9198
648.3721	5	S	14	1505.7634	753.3856
762.4150	6	N	13	1418.7313	709.8696
891.4576	7	E	12	1304.6884	652.8481
1020.5002	8	E	11	1175.6458	588.3268
1133.5843	9	I	10	**1046.6032**	523.8055
1204.6214	10	A	9	**933.5192**	467.2635
1335.6619	11	M	8	**862.4820**	**431.7449**
1406.6990	12	A	7	**731.4416**	366.2247
1507.7467	13	T	6	**660.4044**	330.7061
1606.8151	14	V	5	**559.3568**	280.1823
1707.8628	15	T	4	**460.2884**	230.6481
1778.8999	16	A	3	359.2407	180.1243
1891.9839	17	L	2	288.2036	144.6057
	18	R	1	**175.1195**	88.0637

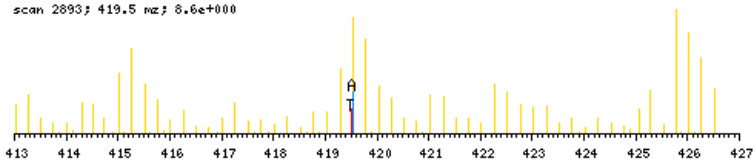
N-term:+29.04 K(3):+156.13

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

TQKTVDGPSGKLWR, MH+ 1675.0392, m/z 419.5152
H OS G17 P120811 220811-s1.02895.02895.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



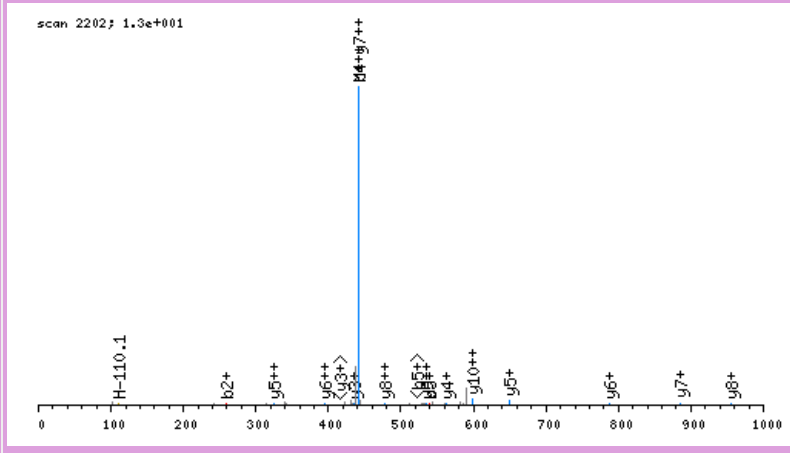
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	14		
264.1772	2	Q	13	1539.9284	770.4681
426.3353	3	K	12	1411.8698	706.4388
527.3829	4	T	11	1249.7117	625.3598
626.4513	5	V	10	1148.6641	574.8359
741.4783	6	D	9	1049.5956	**525.3017**
798.4998	7	G	8	934.5687	**467.7883**
895.5525	8	P	7	877.5472	**439.2775**
982.5845	9	S	6	780.4945	390.7511
1039.6060	10	G	5	693.4624	347.2351
1201.7641	11	K	4	636.4410	**318.7244**
1314.8482	12	L	3	474.2829	237.6454
1500.9275	13	W	2	361.1988	181.1033
	14	R	1	**175.1195**	88.0637

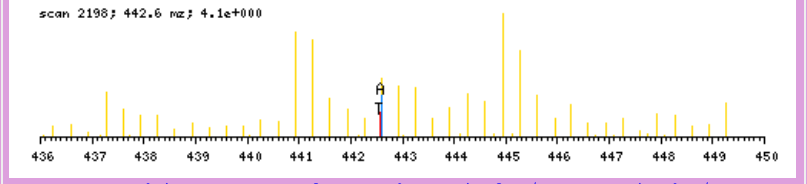
N-term:+35.07 K(3):+162.16
K(11):+162.16

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

TQLAPHSEQMR, MH+ 1325.6636, m/z 442.5594
L OS G16 P120811 220811-s1.02202.02202.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



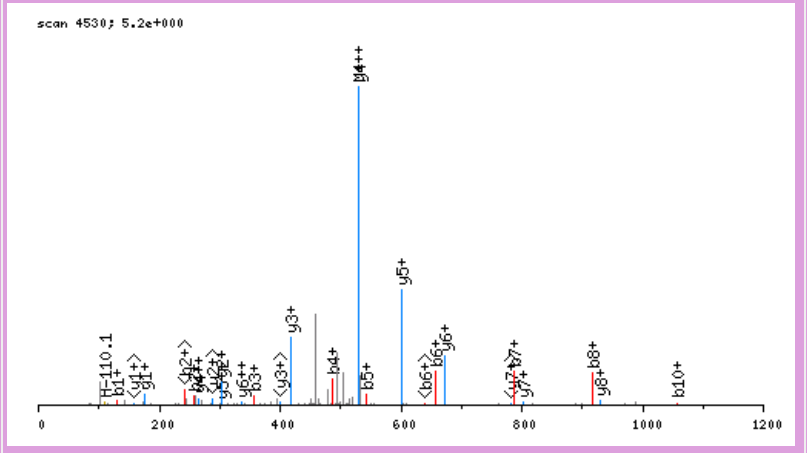
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	11		
258.1454	2	Q	10	1196.5846	598.7962
371.2294	3	L	9	1068.5260	534.7669
442.2665	4	A	8	955.4420	478.2249
539.3193	5	P	7	884.4049	442.7063
676.3782	6	H	6	787.3521	394.1800
763.4102	7	S	5	650.2932	325.6505
892.4528	8	E	4	563.2612	282.1345
1020.5114	9	Q	3	434.2186	217.6132
1151.5519	10	M	2	306.1600	153.5839
	11	R	1	175.1195	88.0637

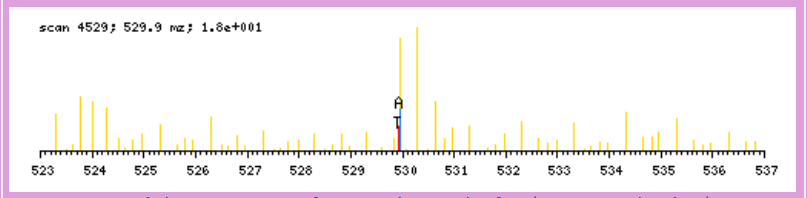
N-term:+29.04

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

TQVEGDEEAALLER, MH+ 1587.7866, m/z 529.9337
L OS G13 P120811 220811-s1.04530.04530.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



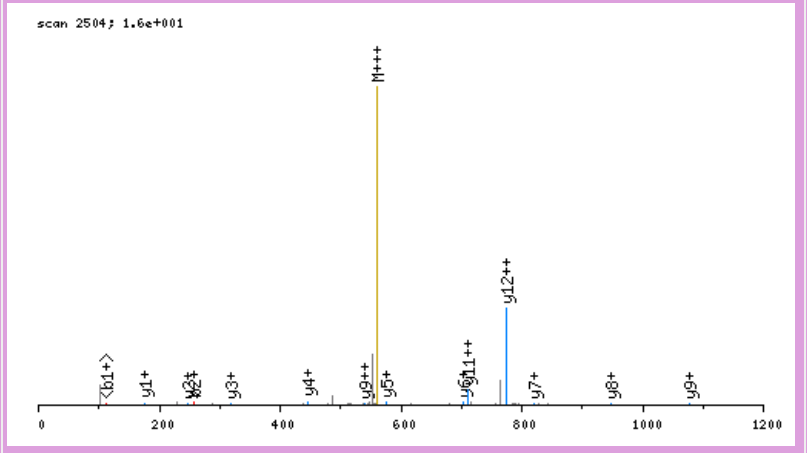
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
258.1454	2	Q	13	1458.7076	729.8577
357.2138	3	V	12	1330.6490	665.8284
486.2564	4	E	11	1231.5806	616.2942
543.2778	5	G	10	1102.5380	551.7729
658.3048	6	D	9	1045.5166	523.2622
787.3474	7	E	8	930.4896	465.7487
916.3900	8	E	7	801.4470	401.2274
987.4271	9	A	6	672.4044	336.7061
1058.4642	10	A	5	601.3673	301.1876
1171.5482	11	L	4	530.3302	265.6690
1284.6323	12	L	3	417.2462	209.1270
1413.6749	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

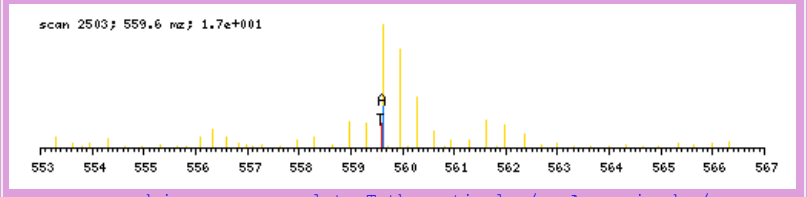
N-term:+29.04

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

TQWREEDEEEAAR, MH+ 1676.7516, m/z 559.5887
L OS G16 P120811 220811-s1.02504.02504.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



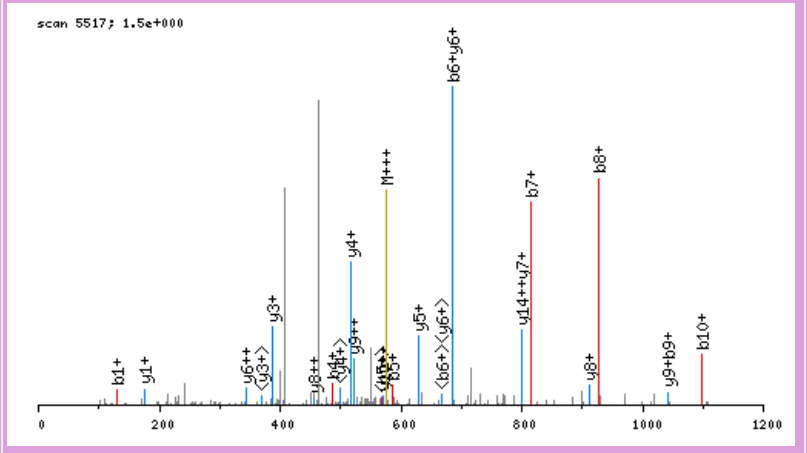
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
258.1454	2	Q	12	1547.6726	774.3402
444.2247	3	W	11	1419.6141	710.3109
600.3258	4	R	10	1233.5347	617.2713
729.3684	5	E	9	1077.4336	539.2207
858.4110	6	E	8	948.3910	474.6994
973.4379	7	D	7	819.3485	410.1781
1102.4805	8	E	6	704.3215	352.6647
1231.5231	9	E	5	575.2789	288.1434
1360.5657	10	E	4	446.2363	223.6221
1431.6028	11	A	3	317.1937	159.1008
1502.6399	12	A	2	246.1566	123.5822
	13	R	1	175.1195	88.0637

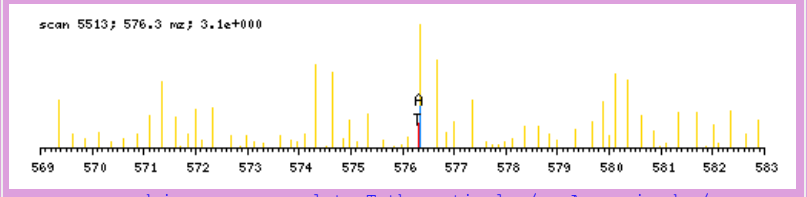
N-term:+29.04

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

TREAVTEILGIEPDR, MH+ 1726.9339, m/z 576.3162
L OS G16 P120811 220811-s1.05517.05517.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



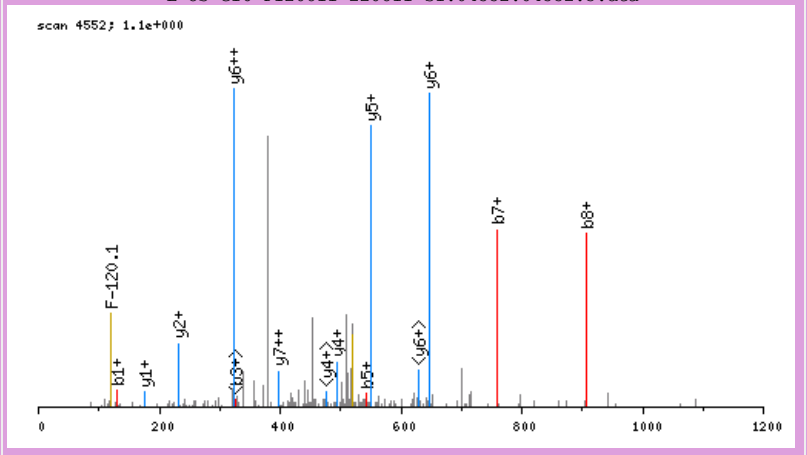
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
286.1879	2	R	14	1597.8550	799.4314
415.2305	3	E	13	1441.7538	721.3808
486.2676	4	A	12	1312.7113	656.8595
585.3360	5	V	11	1241.6741	621.3410
686.3837	6	T	10	1142.6057	571.8068
815.4263	7	E	9	1041.5580	521.2829
928.5103	8	I	8	912.5155	456.7616
1041.5944	9	L	7	799.4314	400.2196
1098.6159	10	G	6	686.3473	343.6776
1211.6999	11	I	5	629.3259	315.1668
1340.7425	12	E	4	516.2418	258.6248
1437.7953	13	P	3	387.1992	194.1035
1552.8222	14	D	2	290.1464	145.5771
	15	R	1	175.1195	88.0637

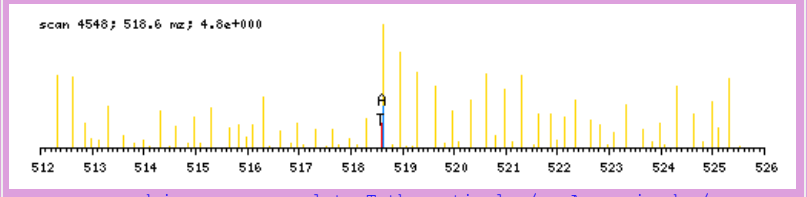
N-term:+29.04

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

TRGTVTDFPGFDGR, MH+ 1553.7712, m/z 518.5953
L OS G16 P120811 220811-s1.04552.04552.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



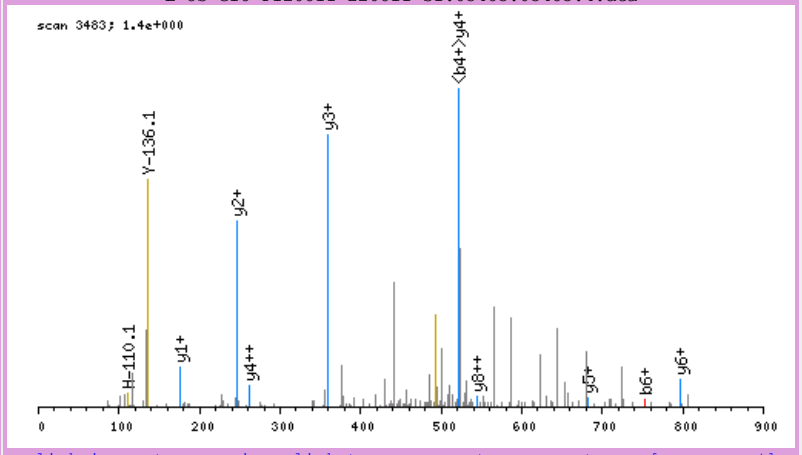
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**14**		
286.1879	**2**	**R**	**13**	1424.6923	712.8500
343.2094	**3**	**G**	**12**	1268.5911	634.7995
444.2570	**4**	**T**	**11**	1211.5697	606.2888
543.3254	**5**	**V**	**10**	1110.5220	555.7649
644.3731	**6**	**T**	**9**	1011.4536	506.2307
759.4001	**7**	**D**	**8**	910.4059	455.7069
906.4685	**8**	**F**	**7**	795.3790	**398.1934**
1003.5212	**9**	**P**	**6**	**648.3105**	**324.6592**
1060.5427	**10**	**G**	**5**	**551.2578**	276.1328
1207.6111	**11**	**F**	**4**	**494.2363**	247.6221
1322.6381	**12**	**D**	**3**	347.1679	174.0879
1379.6595	**13**	**G**	**2**	**232.1410**	116.5744
	14	**R**	**1**	**175.1195**	88.0637

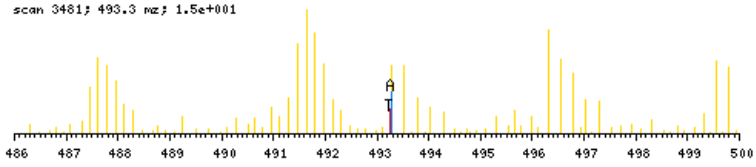
N-term:+29.04

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

TRKPVDQYEDCYLAR, MH+ 1969.9805, m/z 493.2506
L OS G18 P120811 220811-s1.03483.03483.4.dta



click image to zoom in; click top corners to zoom out [precursor]



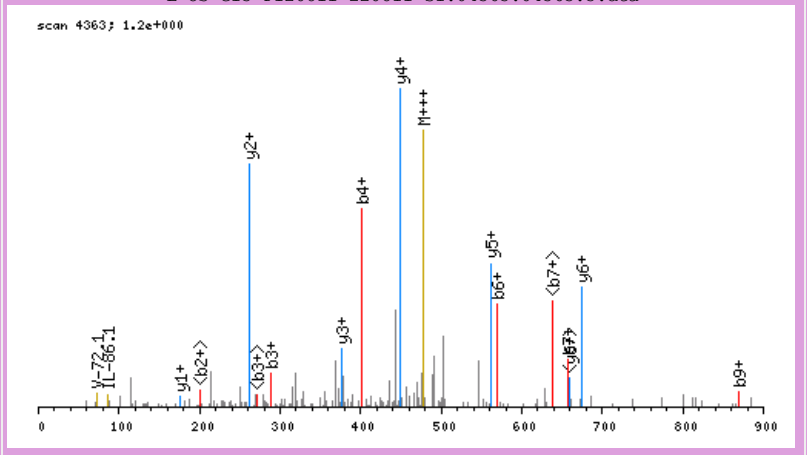
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

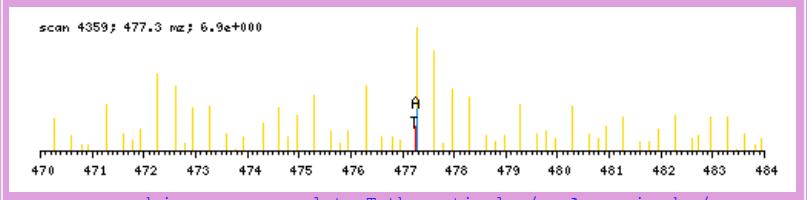
N-term:+29.04 K(3):+156.13
C(11):+160.03

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

TSAIPASVNLADSR, MH+ 1429.7651, m/z 477.2599
L OS G13 P120811 220811-s1.04363.04363.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



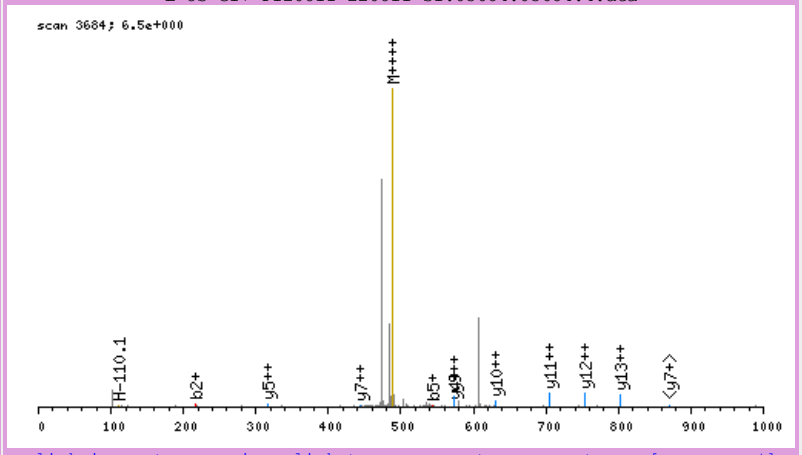
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
217.1188	2	S	13	1300.6861	650.8470
288.1559	3	A	12	1213.6541	607.3310
401.2400	4	I	11	1142.6170	571.8124
498.2927	5	P	10	1029.5329	515.2704
569.3299	6	A	9	932.4801	466.7440
656.3619	7	S	8	861.4430	431.2254
755.4303	8	V	7	774.4110	387.7094
869.4732	9	N	6	**675.3426**	338.1752
982.5573	10	L	5	**561.2997**	281.1537
1053.5944	11	A	4	**448.2156**	224.6117
1168.6214	12	D	3	**377.1785**	189.0931
1255.6534	13	S	2	**262.1515**	131.5797
	14	R	1	**175.1195**	88.0637

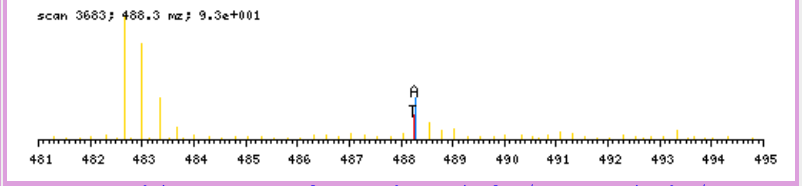
N-term:+29.04

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

TSEVVFNTKEQGKWGR, MH+ 1950.0449, m/z 488.2667
L OS G17 P120811 220811-s1.03684.03684.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



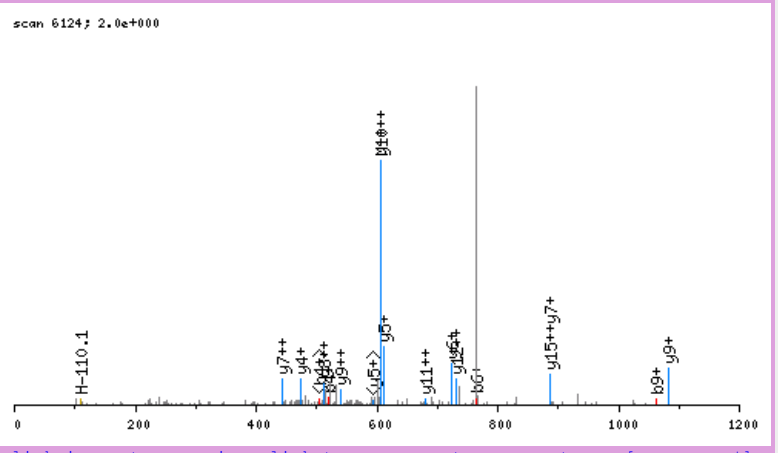
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
217.1188	2	S	15	1820.9660	910.9869
346.1614	3	E	14	1733.9340	867.4709
445.2298	4	V	13	1604.8914	**802.9496**
544.2982	5	V	12	1505.8229	**753.4154**
691.3666	6	F	11	1406.7545	**703.8812**
805.4096	7	N	10	1259.6861	**630.3470**
906.4572	8	T	9	1145.6432	**573.3255**
1062.5835	9	K	8	1044.5955	522.8017
1191.6261	10	E	7	888.4692	**444.7385**
1319.6847	11	Q	6	759.4266	380.2172
1376.7062	12	G	5	631.3680	**316.1879**
1532.8325	13	K	4	**574.3466**	287.6772
1718.9118	14	W	3	418.2203	209.6141
1775.9333	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

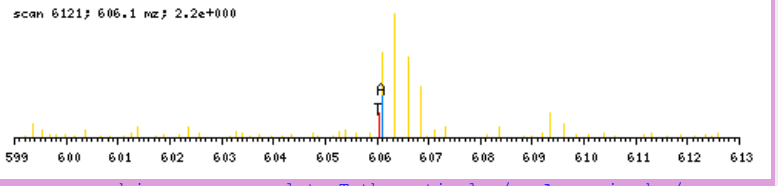
N-term:+29.04 K(9):+156.13
K(13):+156.13

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

TSFKENPTTFMGHYLHEVAR, MH+ 2421.2025, m/z 606.0561
L OS G18 P120811 220811-s1.06124.06124.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



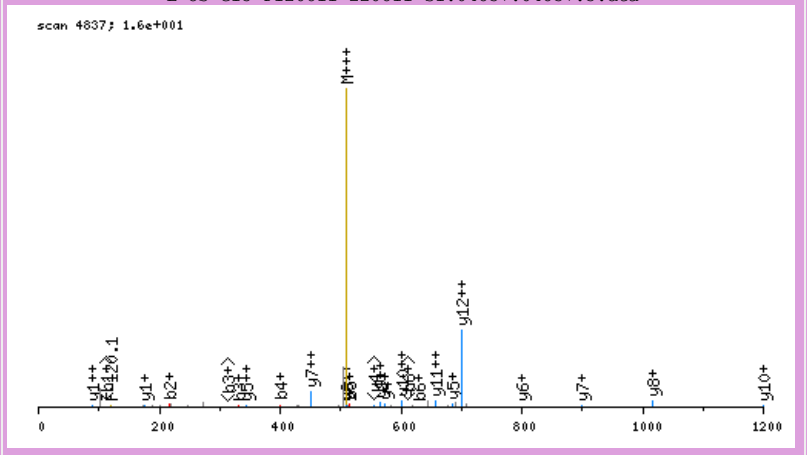
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
217.1188	2	S	19	2292.1236	1146.5657
364.1872	3	F	18	2205.0916	1103.0497
520.3135	4	K	17	2058.0231	1029.5155
649.3561	5	E	16	1901.8968	951.4523
763.3990	6	N	15	1772.8542	**886.9310**
860.4518	7	P	14	1658.8113	829.9096
961.4995	8	T	13	1561.7586	781.3832
1062.5472	9	T	12	1460.7109	**730.8594**
1209.6156	10	F	11	1359.6632	**680.3355**
1340.6561	11	M	10	1212.5948	**606.8013**
1397.6775	12	G	9	**1081.5543**	**541.2811**
1534.7364	13	H	8	1024.5328	**512.7703**
1697.7998	14	Y	7	**887.4739**	**444.2409**
1810.8838	15	L	6	**724.4106**	362.7092
1947.9427	16	H	5	**611.3265**	306.1672
2076.9853	17	E	4	**474.2676**	237.6377
2176.0537	18	V	3	345.2250	173.1164
2247.0909	19	A	2	246.1566	123.5822
	20	R	1	175.1195	88.0637

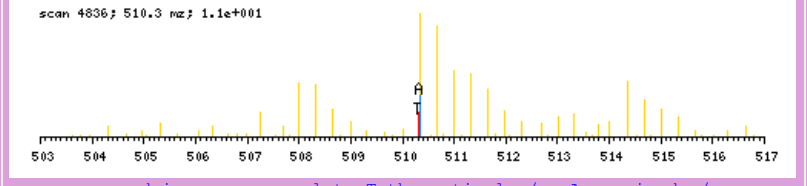
N-term:+29.04 K(4):+156.13

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

TSIAIDTIINQKR, MH+ 1528.9063, m/z 510.3069
L OS G15 P120811 220811-s1.04837.04837.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



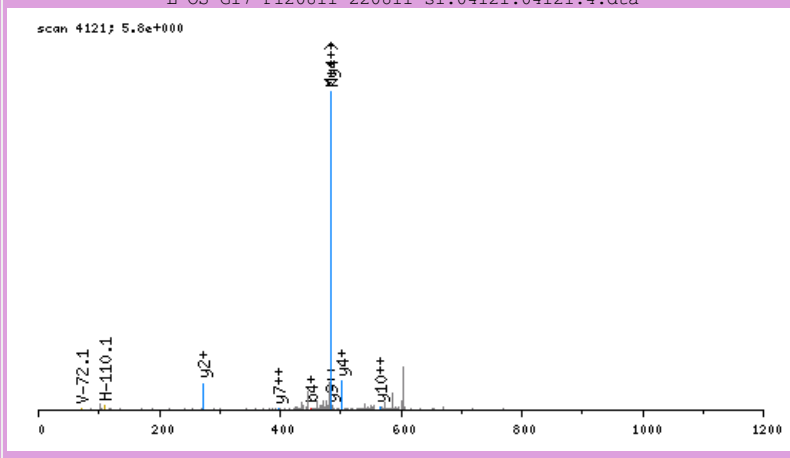
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
217.1188	2	S	12	1399.8273	700.4176
330.2029	3	I	11	1312.7953	656.9016
401.2400	4	A	10	1199.7112	600.3595
514.3240	5	I	9	1128.6741	564.8410
629.3510	6	D	8	1015.5901	508.2989
730.3987	7	T	7	900.5631	450.7855
843.4827	8	I	6	799.5154	400.2616
956.5668	9	I	5	686.4314	343.7196
1070.6097	10	N	4	573.3473	287.1776
1198.6683	11	Q	3	459.3044	230.1561
1354.7946	12	K	2	331.2458	166.1268
	13	R	1	175.1195	88.0637

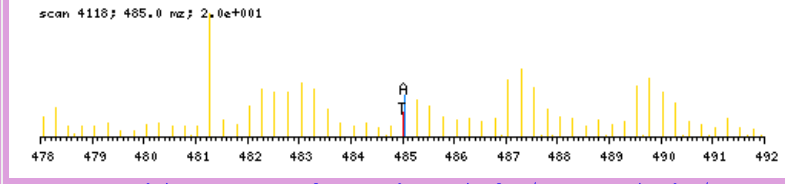
N-term:+29.04 K(12):+156.13

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

TSSFSDKYGLGHVTEPR, MH+ 1936.9769, m/z 484.9997
L OS G17 P120811 220811-s1.04121.04121.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



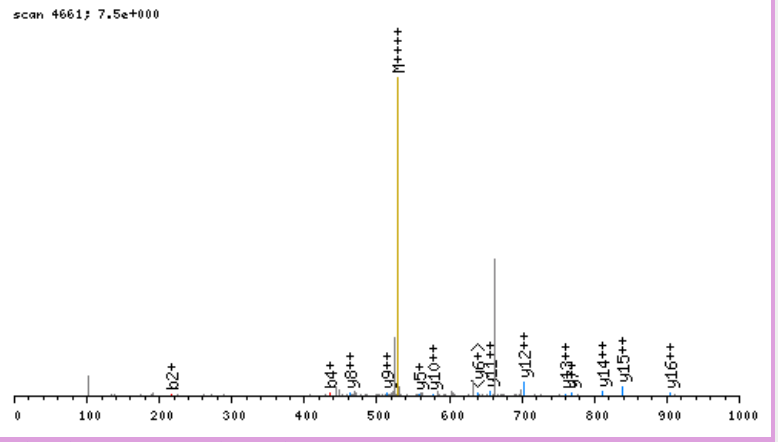
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	17		
217.1188	2	S	16	1807.8979	904.4529
304.1508	3	S	15	1720.8659	860.9369
451.2192	4	F	14	1633.8339	817.4208
538.2513	5	S	13	1486.7655	743.8866
653.2782	6	D	12	1399.7334	700.3706
809.4045	7	K	11	1284.7065	642.8572
972.4678	8	Y	10	1128.5802	**564.7940**
1029.4893	9	G	9	965.5169	**483.2623**
1142.5734	10	L	8	908.4954	454.7516
1199.5948	11	G	7	795.4113	**398.2096**
1336.6538	12	H	6	738.3899	369.6988
1435.7222	13	V	5	601.3310	301.1694
1536.7698	14	T	4	**502.2625**	251.6352
1665.8124	15	E	3	401.2149	201.1113
1762.8652	16	P	2	**272.1723**	136.5900
	17	R	1	175.1195	88.0637

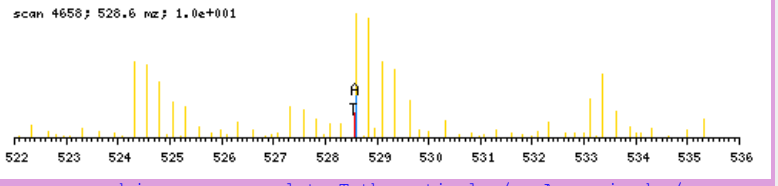
N-term:+29.04 K(7):+156.13

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

TSSMGTLPKQVKIVEVGPR, MH+ 2111.2263, m/z 528.5620
L OS G16 P120811 220811-s1.04661.04661.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



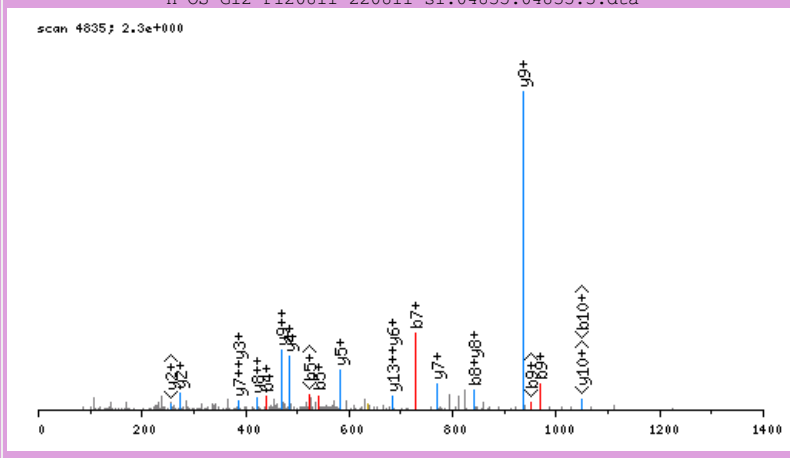
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

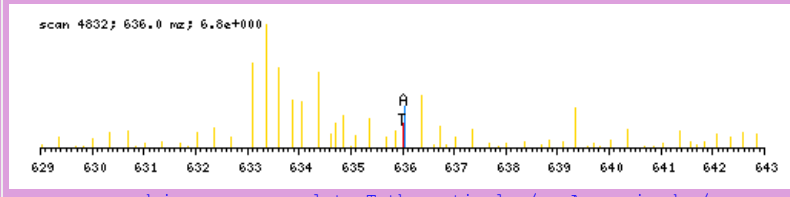
N-term:+29.04 K(9):+156.13
K(12):+156.13

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

TSSMTEGLQPASVVVLPR, MH+ 1906.0531, m/z 636.0226
H OS G12 P120811 220811-s1.04835.04835.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



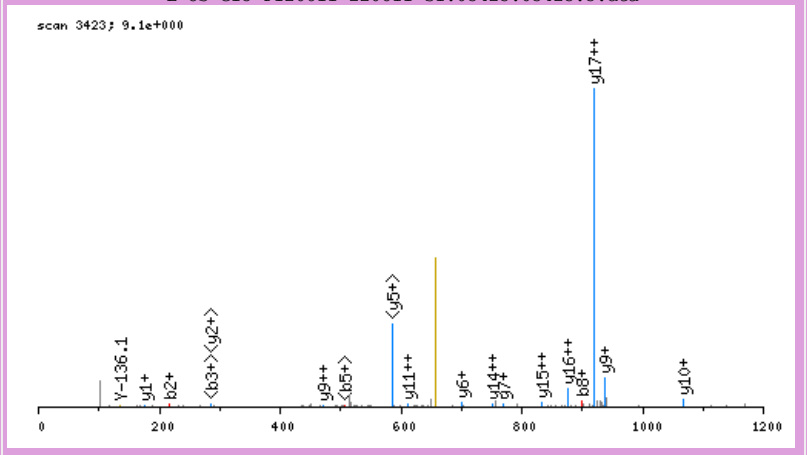
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	18		
223.1506	2	S	17	1770.9424	885.9751
310.1826	3	S	16	1683.9104	842.4591
441.2231	4	M	15	1596.8783	798.9431
542.2708	5	T	14	1465.8379	733.4228
671.3134	6	E	13	1364.7902	**682.8990**
728.3349	7	G	12	1235.7476	618.3777
841.4189	8	L	11	1178.7261	589.8670
969.4775	9	Q	10	1065.6421	533.3249
1066.5303	10	P	9	**937.5835**	**469.2957**
1137.5674	11	A	8	**840.5307**	**420.7693**
1224.5994	12	S	7	**769.4936**	**385.2507**
1323.6678	13	V	6	**682.4616**	341.7347
1422.7362	14	V	5	**583.3932**	292.2005
1521.8046	15	V	4	**484.3247**	242.6663
1634.8887	16	L	3	**385.2563**	193.1321
1731.9415	17	P	2	**272.1723**	136.5900
	18	R	1	175.1195	88.0637

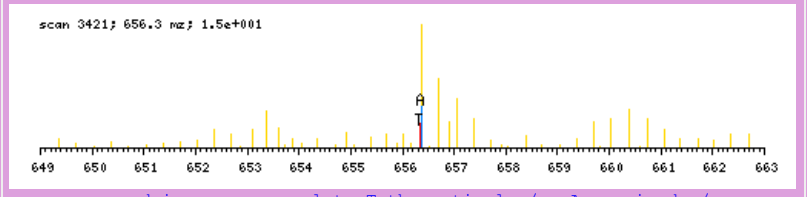
N-term:+35.07

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

TSSYGGYKEPAAPVSIQR, MH+ 1967.0238, m/z 656.3461
L OS G15 P120811 220811-s1.03423.03423.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



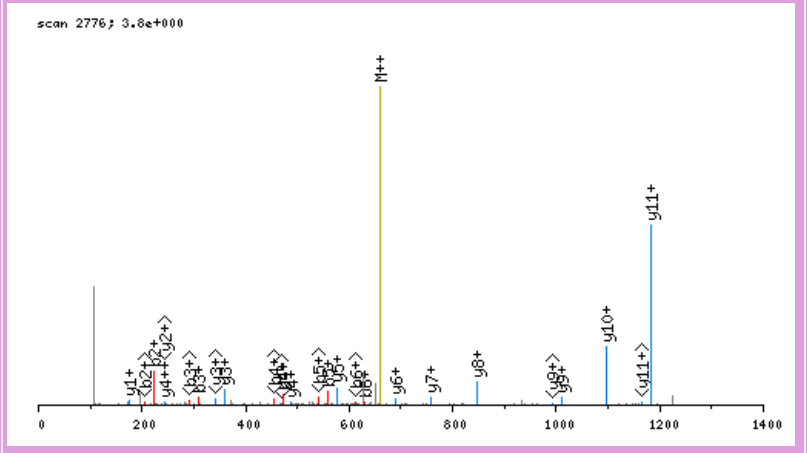
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	18		
217.1188	2	S	17	1837.9449	**919.4763**
304.1508	3	S	16	1750.9128	**875.9603**
467.2142	4	Y	15	1663.8808	**832.4443**
524.2356	5	G	14	1500.8175	**750.9127**
581.2571	6	G	13	1443.7960	722.4019
744.3204	7	Y	12	1386.7746	693.8912
900.4467	8	K	11	1223.7112	**612.3595**
1029.4893	9	E	10	**1067.5849**	534.2964
1126.5421	10	P	9	**938.5423**	**469.7751**
1197.5792	11	A	8	841.4896	421.2487
1268.6163	12	A	7	**770.4525**	385.7301
1365.6691	13	P	6	**699.4153**	350.2116
1464.7375	14	V	5	602.3626	301.6852
1551.7695	15	S	4	503.2942	252.1510
1664.8536	16	I	3	416.2621	208.6350
1792.9122	17	Q	2	303.1781	152.0930
	18	R	1	**175.1195**	88.0637

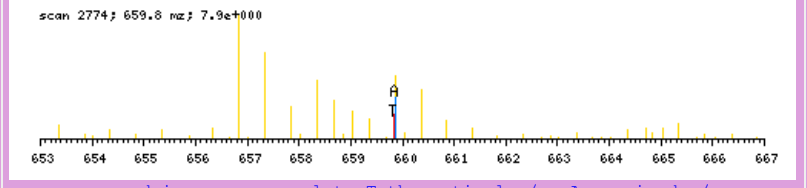
N-term:+29.04 K(8):+156.13

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

TSSYSALSEPSR, MH+ 1318.6703, m/z 659.8388
H OS G13 P120811 220811-s1.02776.02776.2.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		
223.1506	2	S	11	1183.5595	592.2837
310.1826	3	S	10	1096.5275	548.7677
473.2460	4	Y	9	1009.4954	505.2516
560.2780	5	S	8	846.4321	423.7200
631.3151	6	A	7	759.4001	380.2040
744.3992	7	L	6	688.3630	344.6854
831.4312	8	S	5	575.2789	288.1434
960.4738	9	E	4	488.2469	244.6274
1057.5266	10	P	3	359.2043	180.1061
1144.5586	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+]

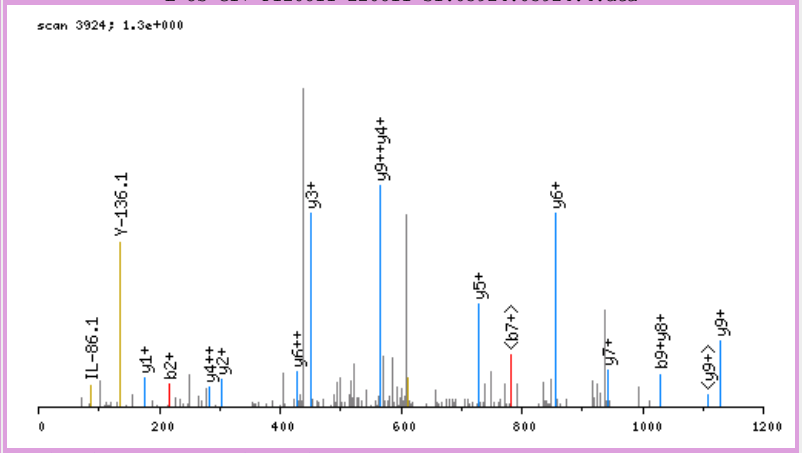
z [+] [2+] [3+]

hide H_2O/NH_3

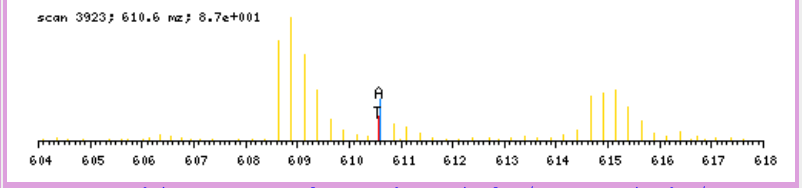
zoom 112-122

GO

TSVATKKTEQGPPSSEYIFER, MH+ 2439.2772, m/z 610.5748
L OS G17 P120811 220811-s1.03924.03924.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



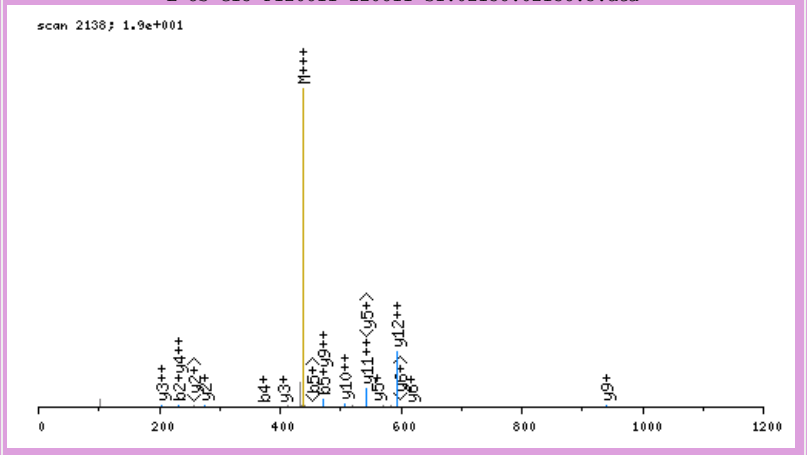
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
217.1188	2	S	20	2310.1982	1155.6030
316.1872	3	V	19	2223.1662	1112.0870
387.2243	4	A	18	2124.0978	1062.5528
488.2720	5	T	17	2053.0607	1027.0342
644.3983	6	K	16	1952.0130	976.5104
800.5246	7	K	15	1795.8867	898.4473
901.5723	8	T	14	1639.7604	820.3841
1030.6149	9	E	13	1538.7127	769.8603
1158.6735	10	Q	12	1409.6701	705.3390
1215.6949	11	G	11	1281.6115	641.3097
1312.7477	12	P	10	1224.5901	612.7990
1409.8005	13	P	9	**1127.5373**	**564.2726**
1496.8325	14	S	8	**1030.4846**	515.7462
1583.8645	15	S	7	**943.4525**	472.2302
1712.9071	16	E	6	**856.4205**	**428.7142**
1875.9704	17	Y	5	**727.3779**	364.1929
1989.0545	18	I	4	**564.3146**	**282.6612**
2136.1229	19	F	3	**451.2305**	226.1192
2265.1655	20	E	2	**304.1621**	152.5850
	21	R	1	**175.1195**	88.0637

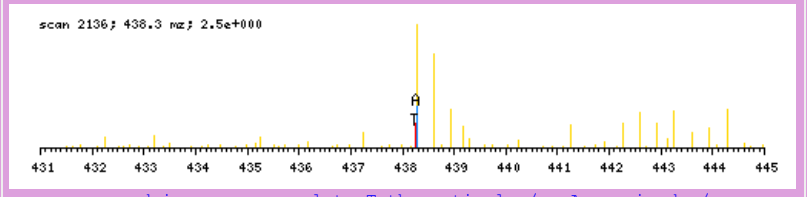
N-term:+29.04 K(6):+156.13
K(7):+156.13

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

TTAAPKAGPGMVR, MH+ 1312.7411, m/z 438.2519
L OS G15 P120811 220811-s1.02138.02138.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



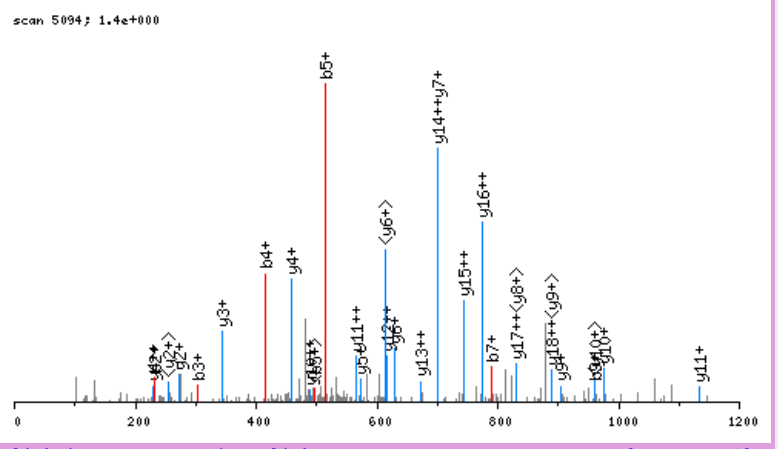
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
231.1345	2	T	12	1183.6622	**592.3350**
302.1716	3	A	11	1082.6145	**541.8112**
373.2087	4	A	10	1011.5774	**506.2926**
470.2614	5	P	9	**940.5403**	**470.7740**
626.3877	6	K	8	843.4875	422.2477
697.4249	7	A	7	687.3612	344.1845
754.4463	8	G	6	**616.3241**	308.6660
851.4991	9	P	5	**559.3026**	280.1552
908.5206	10	G	4	462.2499	**231.6288**
1039.5610	11	M	3	**405.2284**	**203.1181**
1138.6295	12	V	2	**274.1879**	137.5979
	13	R	1	175.1195	88.0637

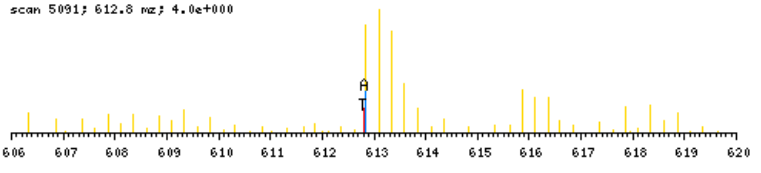
N-term:+29.04 K(6):+156.13

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

TTALVCDNGSGLVKAGFAGDDAPR, MH+ 2448.2193, m/z 612.8103
L OS G14 P120811 220811-s1.05094.05094.4.dta



click image to zoom in; click top corners to zoom out [precursor]



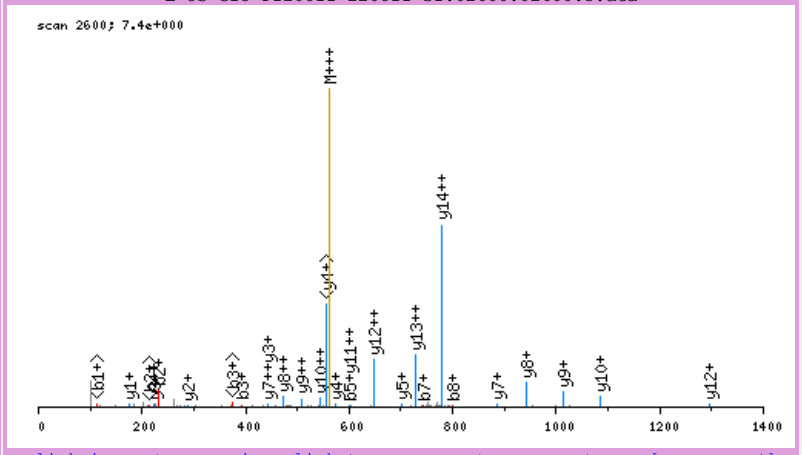
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	24		
231.1345	2	T	23	2319.1403	1160.0741
302.1716	3	A	22	2218.0926	1109.5502
415.2556	4	L	21	2147.0555	1074.0317
514.3240	5	V	20	2033.9715	1017.4896
674.3546	6	C	19	1934.9030	967.9554
789.3816	7	D	18	1774.8724	**887.9401**
903.4245	8	N	17	1659.8455	**830.4267**
960.4460	9	G	16	1545.8026	**773.4052**
1047.4780	10	S	15	1488.7811	**744.8945**
1104.4995	11	G	14	1401.7491	**701.3785**
1217.5835	12	L	13	1344.7276	**672.8677**
1316.6520	13	V	12	1231.6435	**616.3257**
1472.7783	14	K	11	**1132.5751**	**566.7915**
1543.8154	15	A	10	**976.4488**	**488.7283**
1600.8368	16	G	9	**905.4117**	453.2098
1747.9052	17	F	8	848.3903	424.6990
1818.9424	18	A	7	**701.3218**	351.1648
1875.9638	19	G	6	**630.2847**	315.6463
1990.9908	20	D	5	**573.2633**	287.1355
2106.0177	21	D	4	**458.2363**	**229.6221**
2177.0548	22	A	3	**343.2094**	172.1086
2274.1076	23	P	2	**272.1723**	136.5900
	24	R	1	175.1195	88.0637

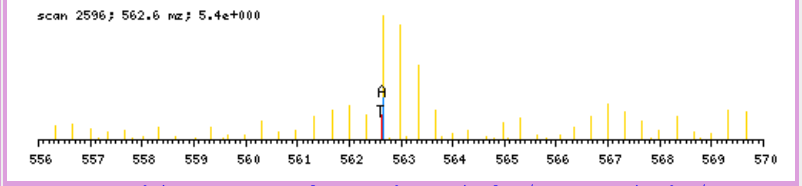
N-term:+29.04 C(6):+160.03
K(14):+156.13

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

TTCPLAAGGQQEKLR, MH+ 1685.9008, m/z 562.6385
L OS G15 P120811 220811-s1.02600.02600.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



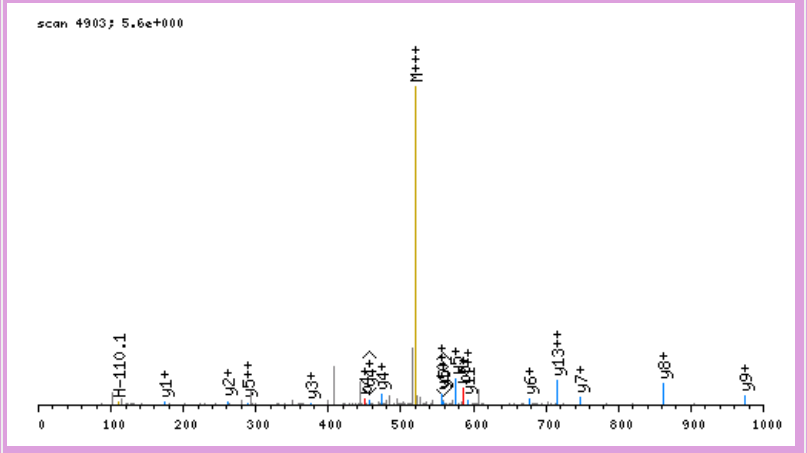
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	15		
231.1345	2	T	14	1556.8219	778.9148
391.1651	3	C	13	1455.7742	728.3910
488.2178	4	P	12	1295.7436	648.3757
601.3019	5	L	11	1198.6908	599.8493
672.3390	6	A	10	1085.6068	543.3073
743.3761	7	A	9	1014.5697	507.7887
800.3976	8	G	8	943.5325	472.2702
857.4190	9	G	7	886.5111	443.7595
985.4776	10	Q	6	829.4896	415.2487
1113.5362	11	Q	5	701.4310	351.2194
1242.5788	12	E	4	573.3725	287.1901
1398.7051	13	K	3	444.3299	222.6688
1511.7892	14	L	2	288.2036	144.6057
	15	R	1	175.1195	88.0637

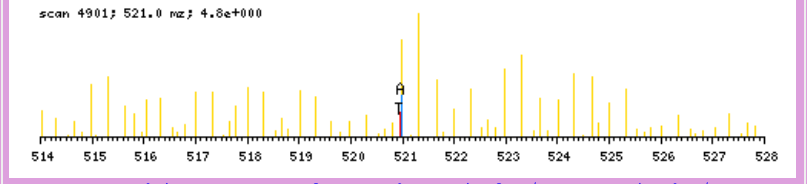
N-term:+29.04 C(3):+160.03
K(13):+156.13

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

TTFAHLDATTVLSR, MH+ 1560.8386, m/z 520.9510
L OS G15 P120811 220811-s1.04903.04903.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



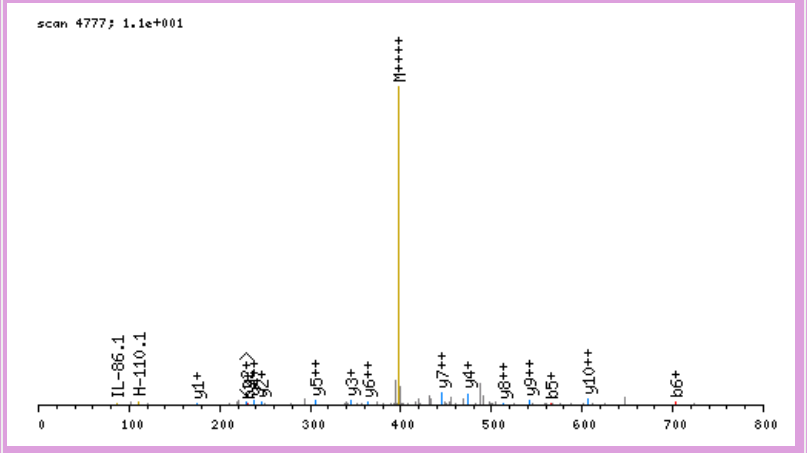
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

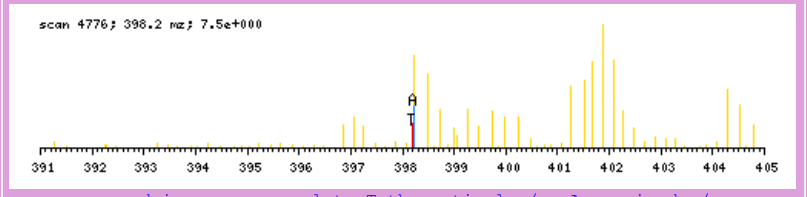
N-term:+29.04

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

TTFMGHYLHEVAR, MH+ 1589.7898, m/z 398.2029
L OS G18 P120811 220811-s1.04777.04777.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



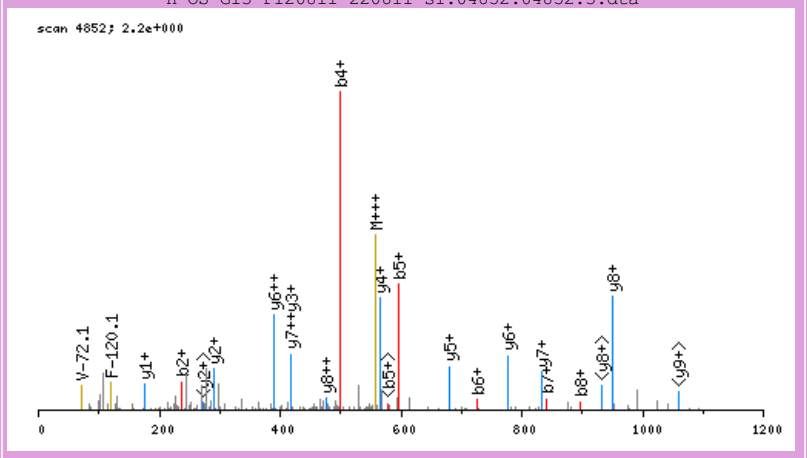
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
231.1345	2	T	12	1460.7109	730.8594
378.2029	3	F	11	1359.6632	680.3355
509.2434	4	M	10	1212.5948	**606.8013**
566.2648	5	G	9	1081.5543	**541.2811**
703.3237	6	H	8	1024.5328	**512.7703**
866.3871	7	Y	7	887.4739	**444.2409**
979.4711	8	L	6	724.4106	**362.7092**
1116.5300	9	H	5	611.3265	**306.1672**
1245.5726	10	E	4	**474.2676**	**237.6377**
1344.6410	11	V	3	**345.2250**	173.1164
1415.6782	12	A	2	**246.1566**	123.5822
	13	R	1	**175.1195**	88.0637

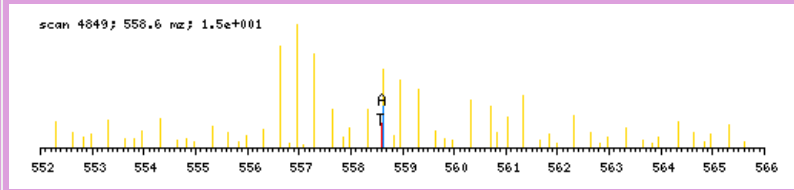
N-term:+29.04

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

TTFNVQDGPDFQDR, MH+ 1673.7983, m/z 558.6043
H OS G13 P120811 220811-s1.04852.04852.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



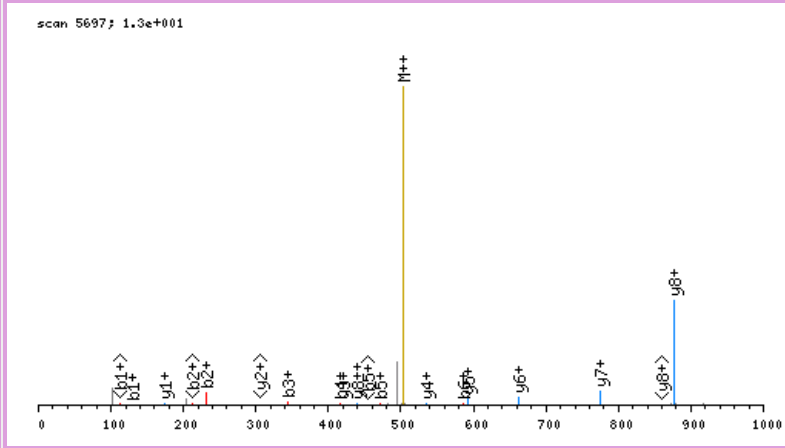
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

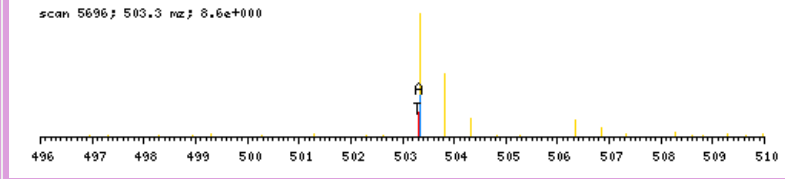
N-term:+35.07

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+ 1005.6097, m/z 503.3085
L OS G14 P120811 220811-s1.05697.05697.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



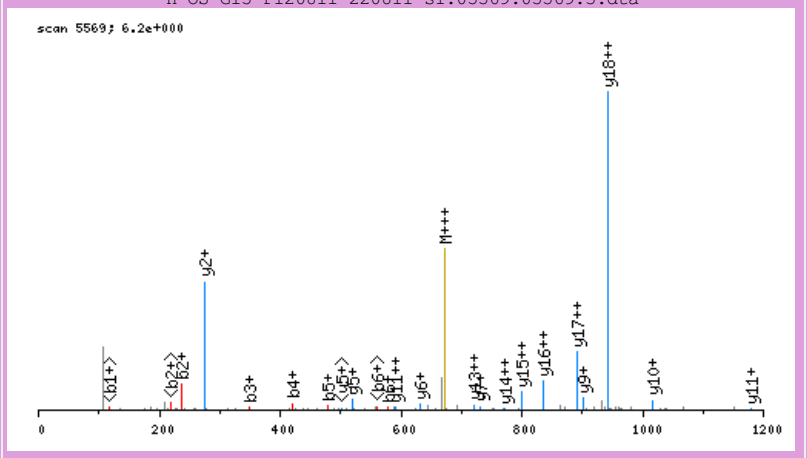
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	9		
231.1345	2	T	8	876.5307	438.7693
344.2185	3	I	7	775.4830	388.2454
415.2556	4	A	6	662.3990	331.7034
472.2771	5	G	5	591.3619	296.1848
585.3612	6	L	4	534.3404	267.6741
684.4296	7	V	3	421.2563	211.1321
831.4980	8	F	2	322.1879	161.5979
	9	R	1	175.1195	88.0637

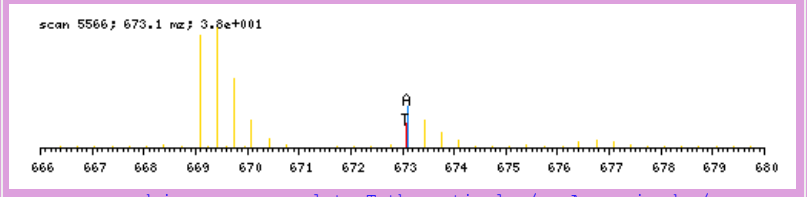
N-term:+29.04

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

TTIAGVVYKDGIVLGADTR, MH+ 2017.1970, m/z 673.0705
H OS G15 P120811 220811-s1.05569.05569.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



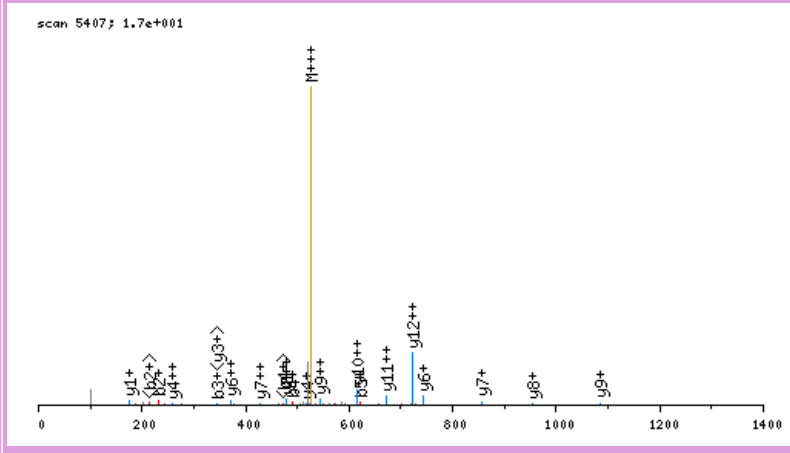
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	19		
237.1663	2	T	18	1882.0862	941.5470
350.2503	3	I	17	1781.0385	891.0232
421.2874	4	A	16	1667.9545	834.4812
478.3089	5	G	15	1596.9174	798.9626
577.3773	6	V	14	1539.8959	770.4519
676.4457	7	V	13	1440.8275	720.9177
839.5091	8	Y	12	1341.7591	671.3835
1001.6672	9	K	11	1178.6957	589.8518
1116.6941	10	D	10	1016.5376	508.7727
1173.7156	11	G	9	901.5107	451.2593
1286.7996	12	I	8	844.4892	422.7485
1385.8680	13	V	7	731.4052	366.2065
1498.9521	14	L	6	632.3368	316.6723
1555.9736	15	G	5	519.2527	260.1303
1627.0107	16	A	4	462.2312	231.6195
1742.0376	17	D	3	391.1941	196.1010
1843.0853	18	T	2	276.1672	138.5875
	19	R	1	175.1195	88.0637

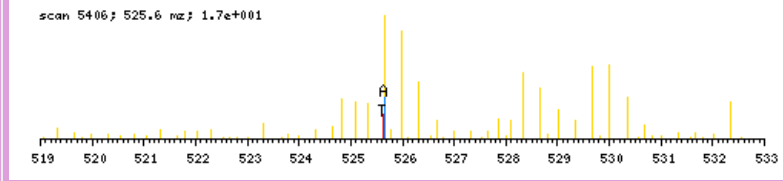
N-term:+35.07 K(9):+162.16

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

TTIFEVLPEKADR, MH+ 1574.8794, m/z 525.6313
L OS G15 P120811 220811-s1.05407.05407.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



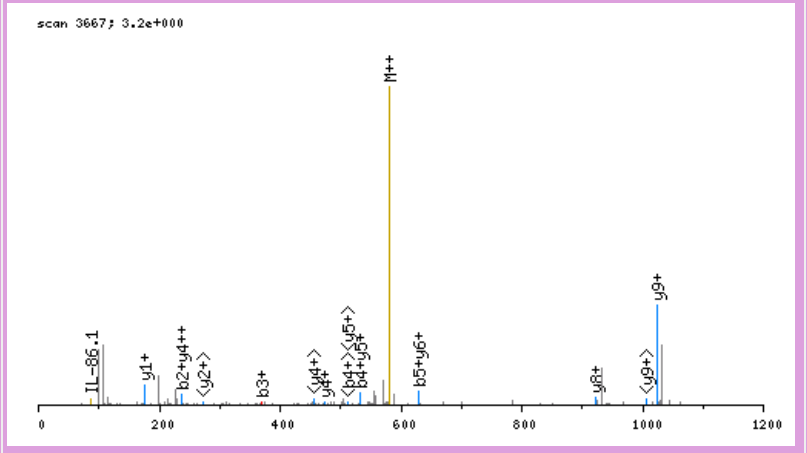
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

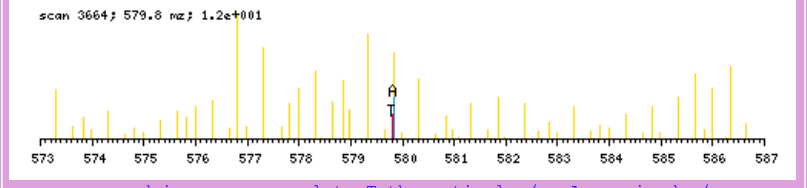
N-term:+29.04 K(10):+156.13

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

TTMYPGIADR, MH+ 1158.6041, m/z 579.8057
H_OS_G13_P120811_220811-s1.03667.03667.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



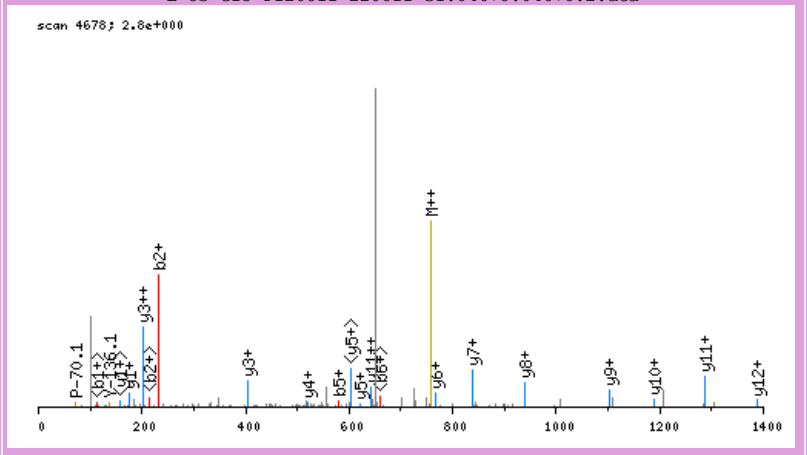
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	10		
237.1663	2	T	9	1023.4933	512.2506
368.2067	3	M	8	922.4457	461.7267
531.2701	4	Y	7	791.4052	396.2065
628.3228	5	P	6	628.3418	314.6748
685.3443	6	G	5	531.2891	266.1485
798.4284	7	I	4	474.2676	237.6377
869.4655	8	A	3	361.1836	181.0957
984.4924	9	D	2	290.1464	145.5771
	10	R	1	175.1195	88.0637

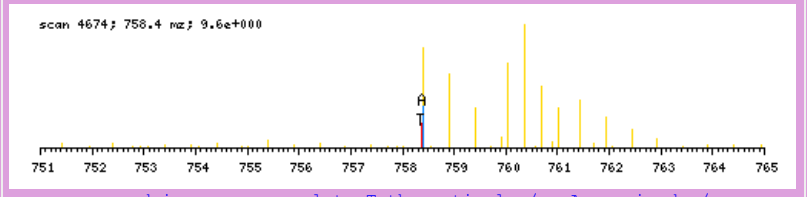
N-term:+35.07

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

TTPSYVAFTDTER, MH+ 1515.7331, m/z 758.3702
L OS G13 P120811 220811-s1.04678.04678.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



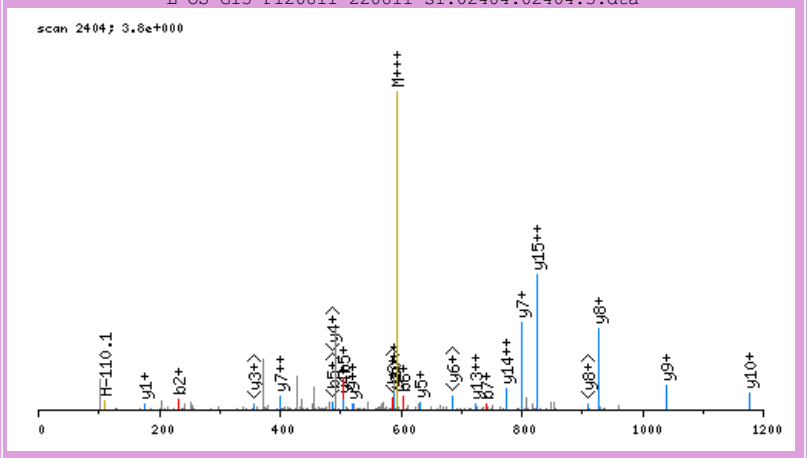
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	13		
231.1345	2	T	12	1386.6541	693.8310
328.1872	3	P	11	1285.6065	643.3071
415.2192	4	S	10	1188.5537	594.7808
578.2826	5	Y	9	1101.5217	551.2647
677.3510	6	V	8	938.4583	469.7331
748.3881	7	A	7	839.3899	420.1989
895.4565	8	F	6	768.3528	384.6803
996.5042	9	T	5	621.2844	311.1461
1111.5311	10	D	4	520.2367	260.6223
1212.5788	11	T	3	405.2098	203.1088
1341.6214	12	E	2	304.1621	152.5850
	13	R	1	175.1195	88.0637

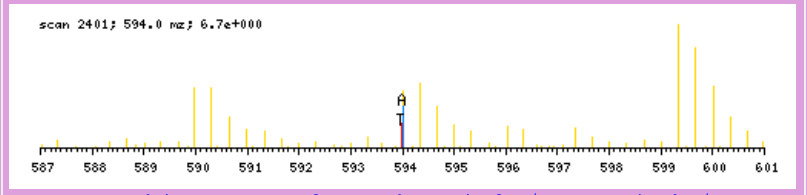
N-term:+29.04

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

TTTTAVHIQPAQEQAR, MH+ 1779.9353, m/z 593.9833
L OS G15 P120811 220811-s1.02404.02404.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



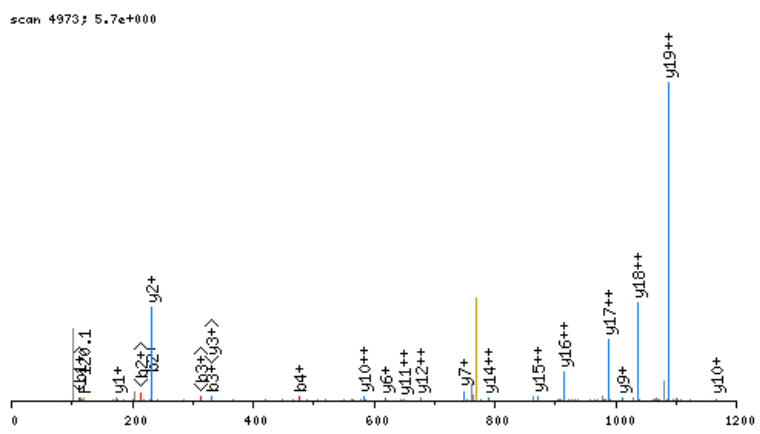
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
231.1345	2	T	15	1650.8564	**825.9321**
332.1821	3	T	14	1549.8087	**775.4083**
433.2298	4	T	13	1448.7610	**724.8844**
504.2669	5	A	12	1347.7133	674.3606
603.3353	6	V	11	1276.6762	638.8420
740.3943	7	H	10	**1177.6078**	**589.3078**
853.4783	8	I	9	**1040.5489**	**520.7784**
981.5369	9	Q	8	**927.4648**	464.2363
1078.5897	10	P	7	**799.4062**	**400.2070**
1149.6268	11	A	6	702.3535	351.6807
1277.6854	12	Q	5	**631.3164**	316.1621
1406.7279	13	E	4	**503.2578**	252.1328
1534.7865	14	Q	3	374.2152	187.6115
1605.8236	15	A	2	246.1566	123.5822
	16	R	1	**175.1195**	88.0637

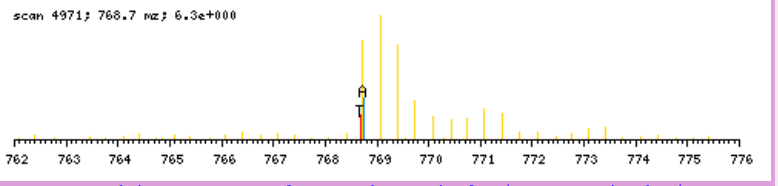
N-term:+29.04

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

TTVFSCNLGEKFDETTADGR, MH+ 2304.0818, m/z 768.6988
L OS G15 P120811 220811-s1.04973.04973.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



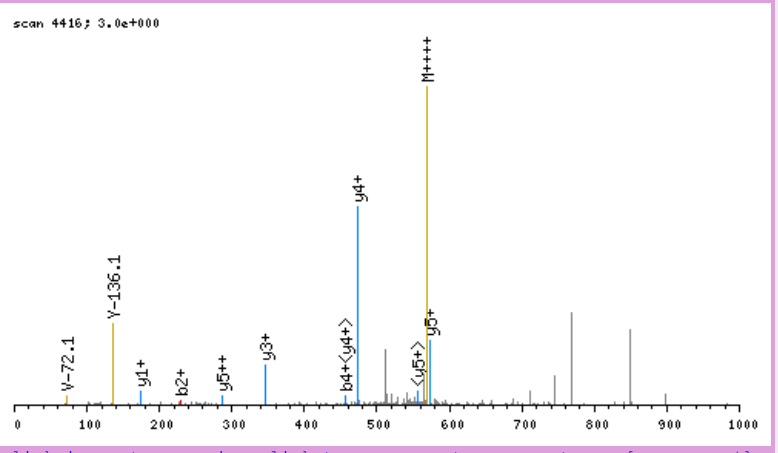
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
231.1345	2	T	19	2175.0028	**1088.0053**
330.2029	3	V	18	2073.9551	**1037.4815**
477.2713	4	F	17	1974.8867	**987.9473**
564.3033	5	S	16	1827.8183	**914.4131**
724.3339	6	C	15	1740.7863	**870.8971**
838.3768	7	N	14	1580.7557	**790.8818**
951.4609	8	L	13	1466.7127	733.8603
1008.4824	9	G	12	1353.6287	**677.3183**
1137.5250	10	E	11	1296.6072	**648.8075**
1293.6513	11	K	10	**1167.5646**	**584.2862**
1440.7197	12	F	9	**1011.4383**	506.2231
1555.7466	13	D	8	864.3699	432.6889
1684.7892	14	E	7	**749.3430**	375.1754
1785.8369	15	T	6	**620.3004**	310.6541
1886.8846	16	T	5	519.2527	260.1303
1957.9217	17	A	4	418.2050	209.6064
2072.9486	18	D	3	347.1679	174.0879
2129.9701	19	G	2	**232.1410**	116.5744
	20	R	1	**175.1195**	88.0637

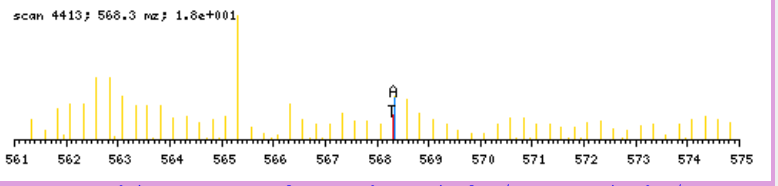
N-term:+29.04 C(6):+160.03
K(11):+156.13

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

TVAKNKDQGTYEDYVEGLR, MH+ 2270.1669, m/z 568.2972
L OS G17 P120811 220811-s1.04416.04416.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



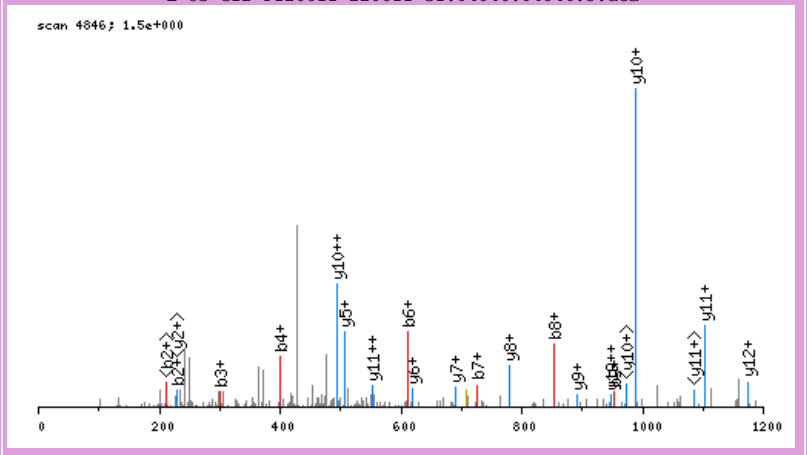
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	19		
229.1552	2	V	18	2141.0879	1071.0479
300.1923	3	A	17	2042.0195	1021.5137
456.3186	4	K	16	1970.9824	985.9951
570.3615	5	N	15	1814.8561	907.9320
726.4878	6	K	14	1700.8132	850.9105
841.5148	7	D	13	1544.6869	772.8474
969.5734	8	Q	12	1429.6599	715.3339
1026.5948	9	G	11	1301.6014	651.3046
1127.6425	10	T	10	1244.5799	622.7939
1290.7058	11	Y	9	1143.5322	572.2700
1419.7484	12	E	8	980.4689	490.7384
1534.7754	13	D	7	851.4263	426.2171
1697.8387	14	Y	6	736.3994	368.7036
1796.9071	15	V	5	**573.3360**	**287.1719**
1925.9497	16	E	4	**474.2676**	237.6377
1982.9712	17	G	3	**345.2250**	173.1164
2096.0552	18	L	2	288.2036	144.6057
	19	R	1	**175.1195**	88.0637

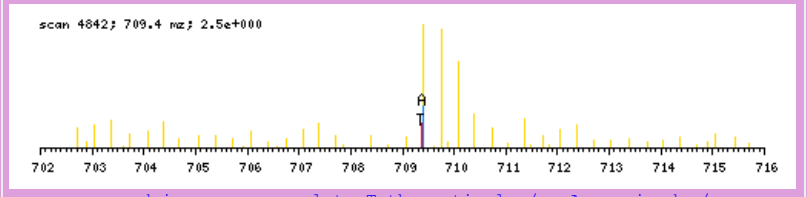
N-term:+29.04 K(4):+156.13
K(6):+156.13

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

TVATPLNQVANPNSAIFGGAR, MH+ 2126.1358, m/z 709.3835
L OS G12 P120811 220811-s1.04846.04846.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



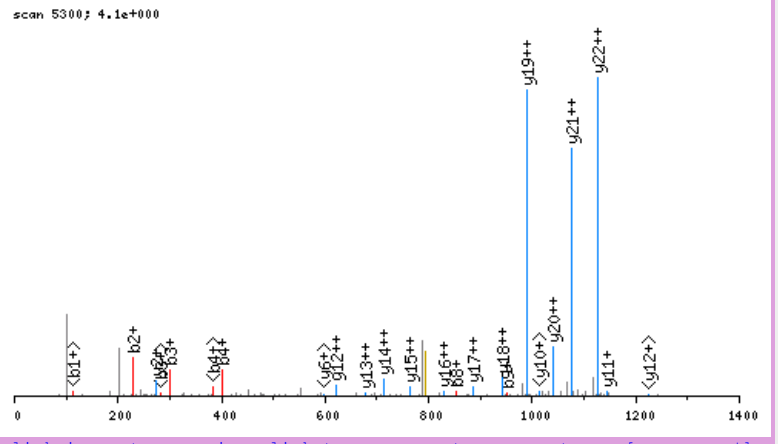
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	21		
229.1552	2	V	20	1997.0568	999.0323
300.1923	3	A	19	1897.9884	949.4981
401.2400	4	T	18	1826.9513	913.9796
498.2927	5	P	17	1725.9036	863.4557
611.3768	6	L	16	1628.8509	814.9294
725.4197	7	N	15	1515.7668	758.3873
853.4783	8	Q	14	1401.7239	701.3659
952.5467	9	V	13	1273.6653	637.3366
1023.5838	10	A	12	1174.5969	587.8024
1137.6268	11	N	11	1103.5598	552.2838
1234.6795	12	P	10	989.5169	495.2623
1348.7225	13	N	9	892.4641	446.7360
1435.7545	14	S	8	778.4212	389.7145
1506.7916	15	A	7	691.3891	346.1985
1619.8757	16	I	6	620.3520	310.6799
1766.9441	17	F	5	507.2680	254.1379
1823.9655	18	G	4	360.1995	180.6037
1880.9870	19	G	3	303.1781	152.0930
1952.0241	20	A	2	246.1566	123.5822
	21	R	1	175.1195	88.0637

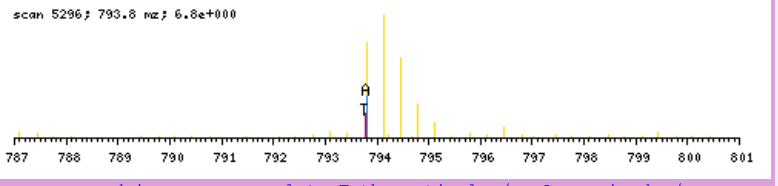
N-term:+29.04

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

TVATPLNQVANPNSAIFGGARPR, MH+ 2379.2897, m/z 793.7681
L OS G15 P120811 220811-s1.05300.05300.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



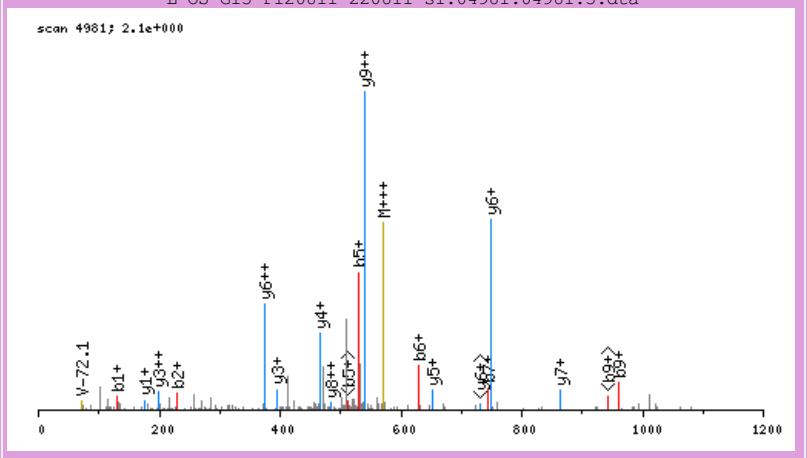
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	23		
229.1552	2	V	22	2250.2107	**1125.6093**
300.1923	3	A	21	2151.1423	**1076.0751**
401.2400	4	T	20	2080.1052	**1040.5565**
498.2927	5	P	19	1979.0575	**990.0327**
611.3768	6	L	18	1882.0048	**941.5063**
725.4197	7	N	17	1768.9207	**884.9643**
853.4783	8	Q	16	1654.8778	**827.9428**
952.5467	9	V	15	1526.8192	**763.9135**
1023.5838	10	A	14	1427.7508	**714.3793**
1137.6268	11	N	13	1356.7137	**678.8607**
1234.6795	12	P	12	1242.6707	**621.8393**
1348.7225	13	N	11	**1145.6180**	573.3129
1435.7545	14	S	10	1031.5750	516.2914
1506.7916	15	A	9	944.5430	472.7754
1619.8757	16	I	8	873.5059	437.2569
1766.9441	17	F	7	760.4218	380.7148
1823.9655	18	G	6	613.3534	307.1806
1880.9870	19	G	5	556.3320	278.6699
1952.0241	20	A	4	499.3105	250.1592
2108.1252	21	R	3	428.2734	214.6406
2205.1780	22	P	2	**272.1723**	136.5900
	23	R	1	175.1195	88.0637

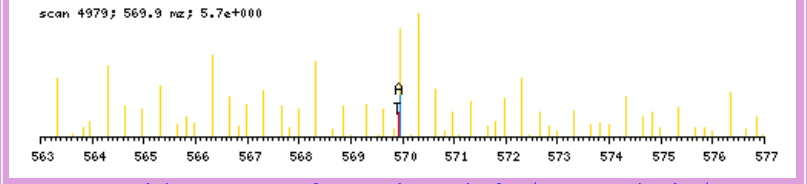
N-term:+29.04

TVEGDVNTDPWAGYR, MH+ 1707.7978, m/z 569.9375
L OS G13 P120811 220811-s1.04981.04981.3.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±]



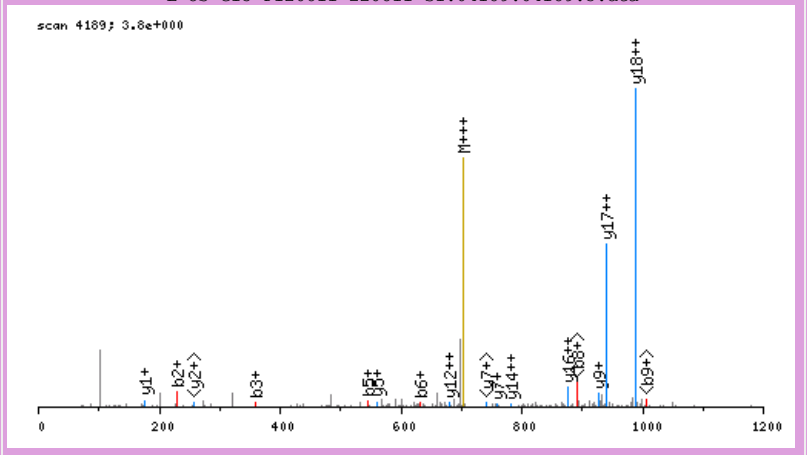
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	**1**	**T**	**15**		
229.1552	**2**	**V**	**14**	1578.7189	789.8633
358.1978	**3**	**E**	**13**	1479.6504	740.3291
415.2192	**4**	**G**	**12**	1350.6079	675.8078
530.2462	**5**	**D**	**11**	1293.5864	647.2971
629.3146	**6**	**V**	**10**	1178.5594	589.7836
743.3575	**7**	**N**	**9**	1079.4910	**540.2494**
844.4052	**8**	**T**	**8**	965.4481	**483.2280**
959.4322	**9**	**D**	**7**	**864.4004**	432.7041
1056.4849	**10**	**P**	**6**	**749.3735**	**375.1907**
1242.5642	**11**	**W**	**5**	**652.3207**	326.6643
1313.6013	**12**	**A**	**4**	**466.2414**	233.6246
1370.6228	**13**	**G**	**3**	**395.2043**	**198.1061**
1533.6861	**14**	**Y**	**2**	338.1828	169.5953
	15	**R**	**1**	**175.1195**	88.0637

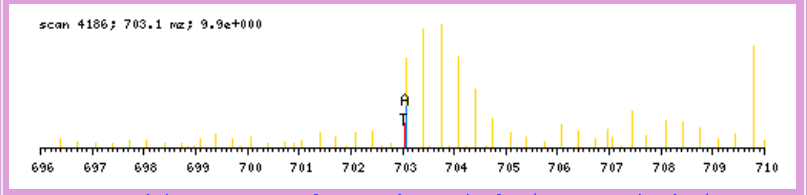
N-term:+29.04

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

TVESTSLYNKVAAQGEVVR, MH+ 2107.1399, m/z 703.0515
L OS G15 P120811 220811-s1.04189.04189.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



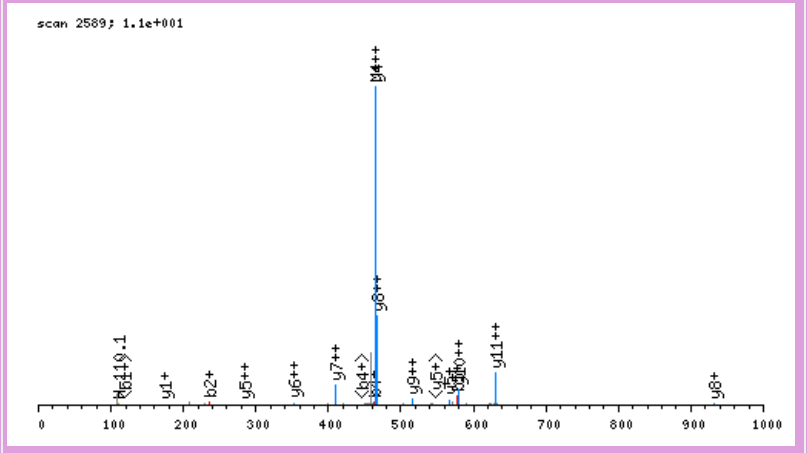
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

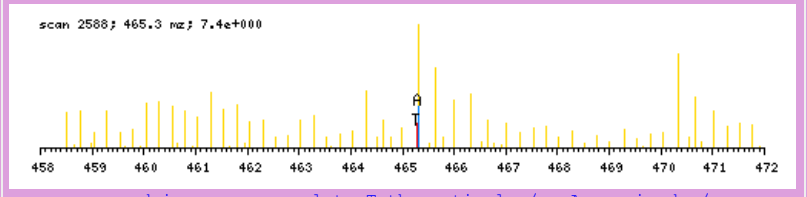
N-term:+29.04 K(10):+156.13

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

TVEVDLHTAKGR, MH+ 1393.8440, m/z 465.2862
H OS G17 P120811 220811-s1.02589.02589.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



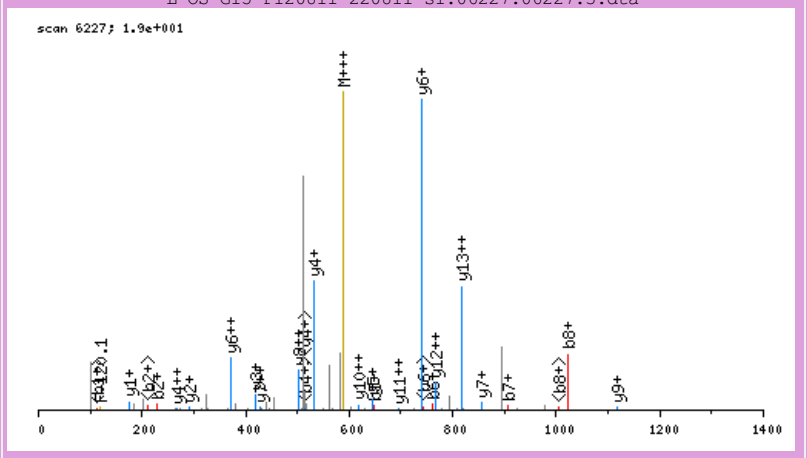
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	12		
235.1870	2	V	11	1258.7332	**629.8705**
364.2296	3	E	10	1159.6648	**580.3363**
463.2980	4	V	9	1030.6222	**515.8150**
578.3249	5	D	8	**931.5538**	**466.2808**
691.4090	6	L	7	816.5268	**408.7673**
828.4679	7	H	6	703.4428	**352.2253**
929.5156	8	T	5	**566.3839**	**283.6958**
1000.5527	9	A	4	**465.3362**	233.1720
1162.7108	10	K	3	394.2991	197.6534
1219.7323	11	G	2	232.1410	116.5744
	12	R	1	**175.1195**	88.0637

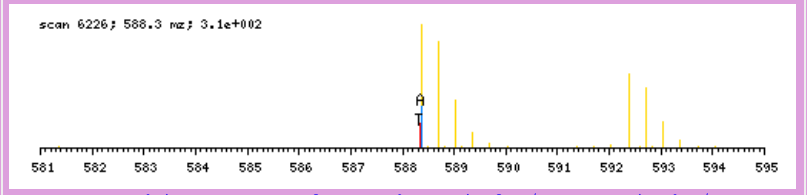
N-term:+35.07 K(10):+162.16

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

TVFKDLFDPIIQDR, MH+ 1762.9744, m/z 588.3296
L OS G15 P120811 220811-s1.06227.06227.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



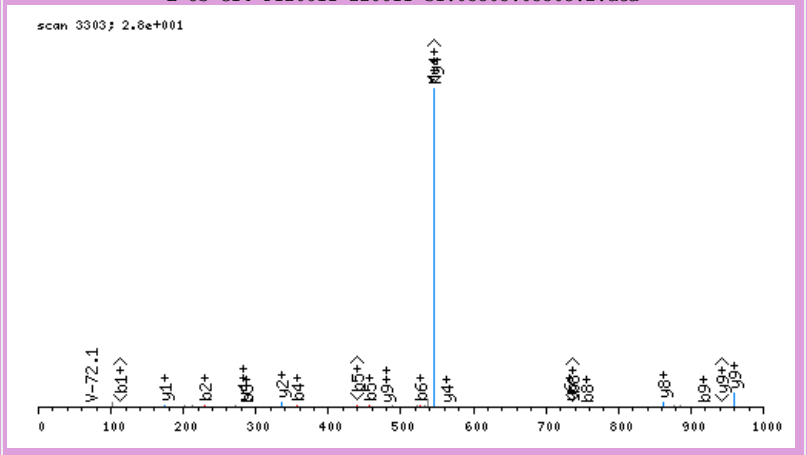
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
229.1552	2	V	13	1633.8954	817.4516
376.2236	3	F	12	1534.8270	767.9174
532.3499	4	K	11	1387.7586	694.3832
647.3768	5	D	10	1231.6323	616.3201
760.4609	6	L	9	1116.6053	558.8066
907.5293	7	F	8	1003.5213	502.2645
1022.5563	8	D	7	856.4529	428.7303
1119.6090	9	P	6	741.4259	371.2169
1232.6931	10	I	5	644.3731	322.6905
1345.7772	11	I	4	531.2891	266.1485
1473.8357	12	Q	3	418.2050	209.6064
1588.8627	13	D	2	290.1464	145.5771
	14	R	1	175.1195	88.0637

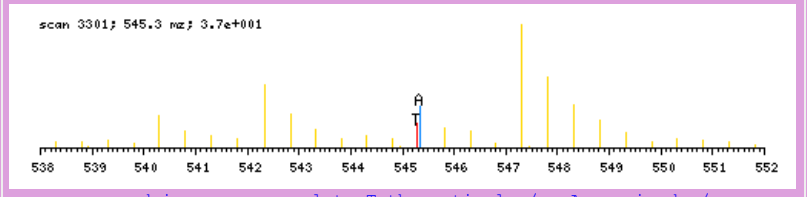
N-term:+29.04 K(4):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a 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

TVGAVALDCR, MH+ 1089.5726, m/z 545.2899
L OS G14 P120811 220811-s1.03303.03303.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



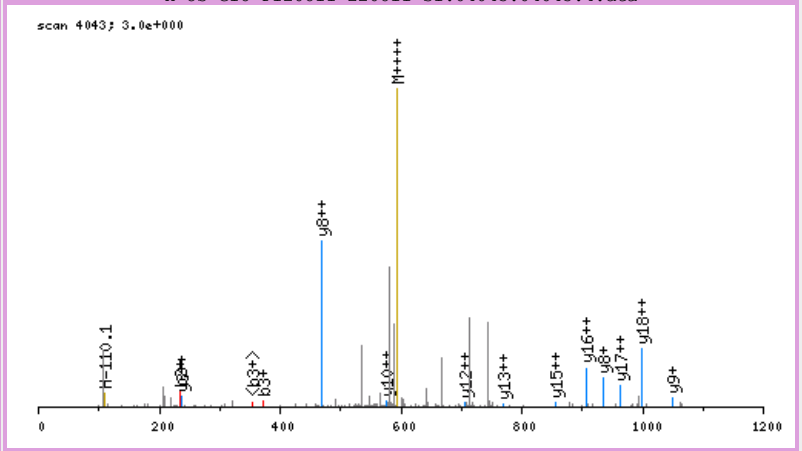
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
229.1552	2	V	9	960.4936	480.7507
286.1767	3	G	8	861.4252	431.2165
357.2138	4	A	7	804.4037	402.7058
456.2822	5	V	6	733.3666	367.1872
527.3193	6	A	5	634.2982	317.6530
640.4034	7	L	4	563.2611	282.1345
755.4303	8	D	3	450.1770	225.5924
915.4609	9	C	2	335.1501	168.0790
	10	R	1	175.1195	88.0637

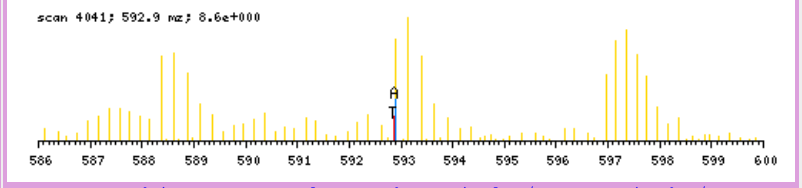
N-term:+29.04 C(9):+160.03

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

TVHAITATQKTVDGPSGKLWR, MH+ 2368.4201, m/z 592.8605
H OS G18 P120811 220811-s1.04043.04043.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



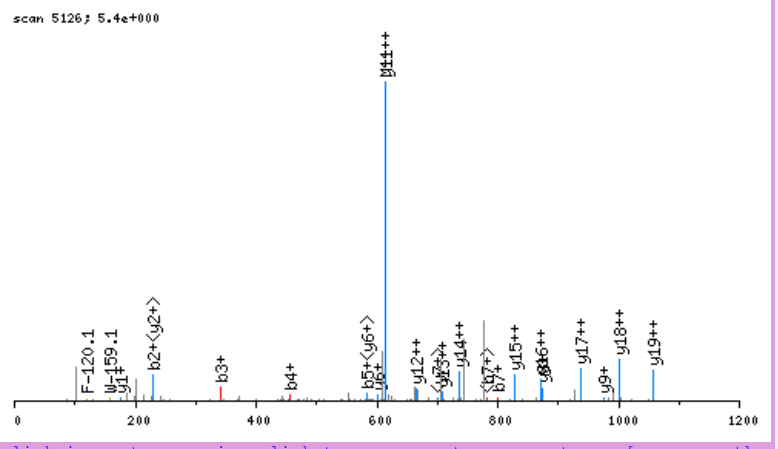
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	21		
235.1870	2	V	20	2233.3094	1117.1586
372.2459	3	H	19	2134.2410	1067.6244
443.2830	4	A	18	1997.1821	**999.0949**
556.3671	5	I	17	1926.1449	**963.5764**
657.4148	6	T	16	1813.0609	**907.0344**
728.4519	7	A	15	1712.0132	**856.5105**
829.4996	8	T	14	1640.9761	820.9920
957.5581	9	Q	13	1539.9284	**770.4681**
1119.7162	10	K	12	1411.8698	**706.4388**
1220.7639	11	T	11	1249.7117	625.3598
1319.8323	12	V	10	1148.6641	**574.8359**
1434.8593	13	D	9	**1049.5956**	525.3017
1491.8807	14	G	8	**934.5687**	**467.7883**
1588.9335	15	P	7	877.5472	439.2775
1675.9655	16	S	6	780.4945	390.7511
1732.9870	17	G	5	693.4624	347.2351
1895.1451	18	K	4	636.4410	318.7244
2008.2291	19	L	3	474.2829	**237.6454**
2194.3085	20	W	2	361.1988	181.1033
	21	R	1	175.1195	88.0637

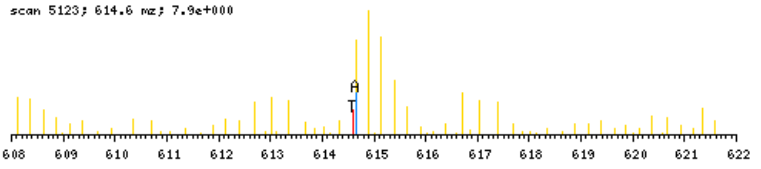
N-term:+35.07 K(10):+162.16
K(18):+162.16

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

TVIIEQSWGSPKVTKDGVTVAK, MH+ 2455.4177, m/z 614.6099
L OS G16 P120811 220811-s1.05126.05126.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



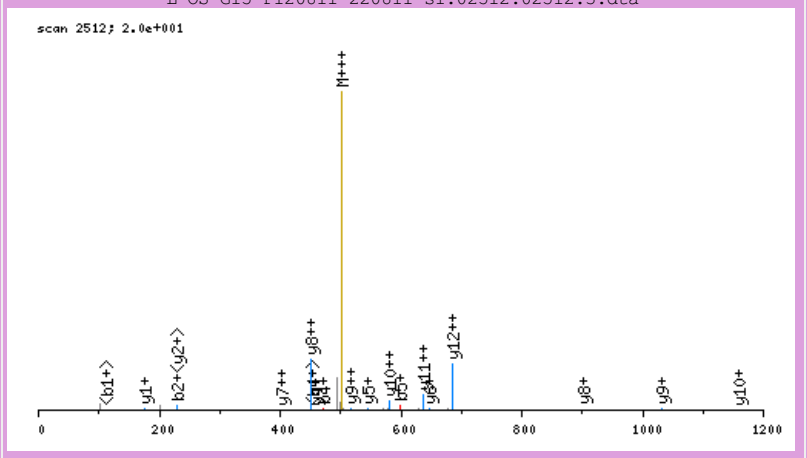
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	22		
229.1552	2	V	21	2326.3387	1163.6733
342.2393	3	I	20	2227.2703	1114.1391
455.3233	4	I	19	2114.1862	**1057.5970**
584.3659	5	E	18	2001.1022	**1001.0550**
712.4245	6	Q	17	1872.0596	**936.5337**
799.4565	7	S	16	1744.0010	**872.5044**
985.5358	8	W	15	1656.9690	**828.9884**
1042.5573	9	G	14	1470.8897	**735.9487**
1129.5893	10	S	13	1413.8682	**707.4380**
1226.6421	11	P	12	1326.8362	**663.9220**
1382.7684	12	K	11	1229.7834	**615.3956**
1481.8368	13	V	10	1073.6571	537.3325
1582.8845	14	T	9	**974.5887**	487.7983
1739.0108	15	K	8	**873.5410**	437.2744
1854.0377	16	D	7	717.4147	359.2113
1911.0592	17	G	6	**602.3878**	301.6978
2010.1276	18	V	5	545.3663	273.1871
2111.1753	19	T	4	446.2979	223.6529
2210.2437	20	V	3	345.2502	173.1290
2281.2808	21	A	2	246.1818	123.5948
	22	K	1	**175.1447**	88.0763

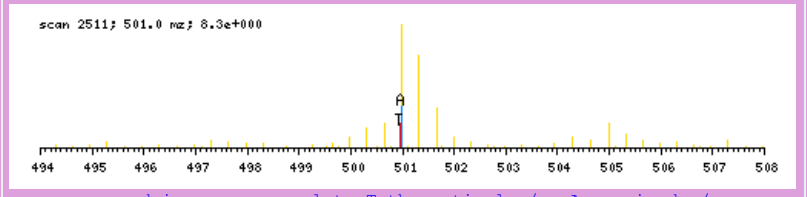
N-term:+29.04 K(12):+156.13
K(15):+156.13 K(22):+156.13

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

TVIQEVKTSNVAR, MH+ 1500.8750, m/z 500.9632
L OS G15 P120811 220811-s1.02512.02512.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



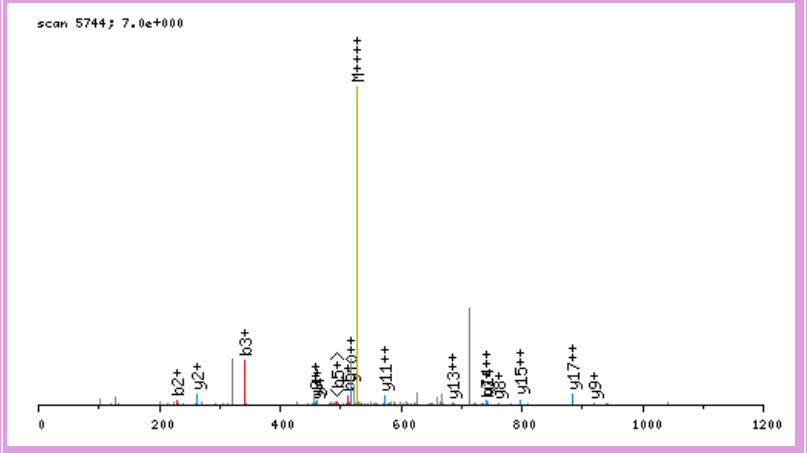
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

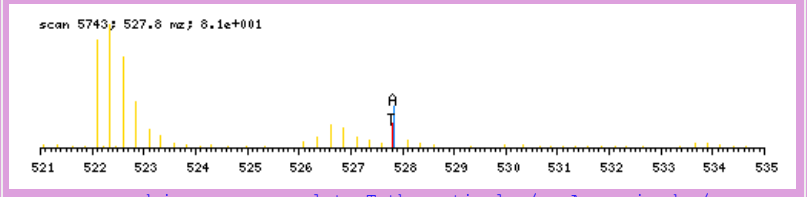
N-term:+29.04 K(7):+156.13

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

TVLGLLDSHLIKGAGDAESR, MH+ 2108.1716, m/z 527.7983
L OS G16 P120811 220811-s1.05744.05744.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



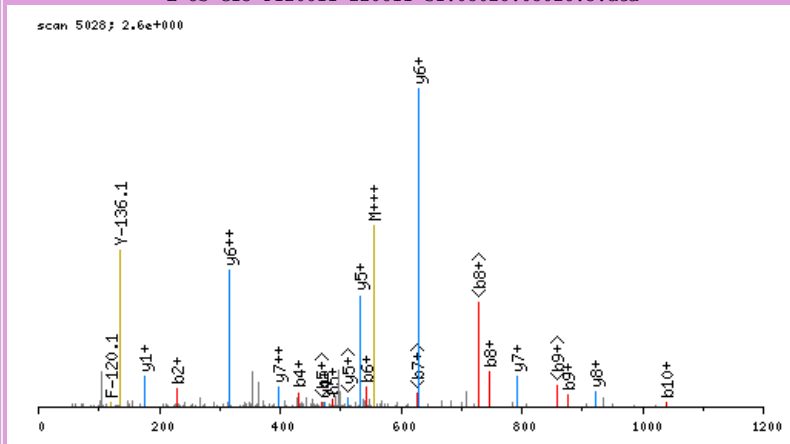
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	20		
229.1552	2	V	19	1979.0926	990.0502
342.2393	3	L	18	1880.0242	940.5160
399.2607	4	G	17	1766.9401	**883.9740**
512.3448	5	L	16	1709.9187	855.4632
625.4288	6	L	15	1596.8346	**798.9212**
740.4558	7	D	14	1483.7505	**742.3792**
827.4878	8	S	13	1368.7236	**684.8657**
964.5467	9	H	12	1281.6916	641.3497
1077.6308	10	L	11	1144.6326	**572.8202**
1190.7149	11	I	10	1031.5486	**516.2782**
1346.8412	12	K	9	**918.4645**	**459.7362**
1403.8626	13	G	8	**762.3382**	381.6730
1474.8997	14	A	7	705.3168	353.1623
1531.9212	15	G	6	634.2796	317.6437
1646.9481	16	D	5	577.2582	289.1330
1717.9853	17	A	4	**462.2312**	231.6195
1847.0279	18	E	3	391.1941	196.1010
1934.0599	19	S	2	**262.1515**	131.5797
	20	R	1	175.1195	88.0637

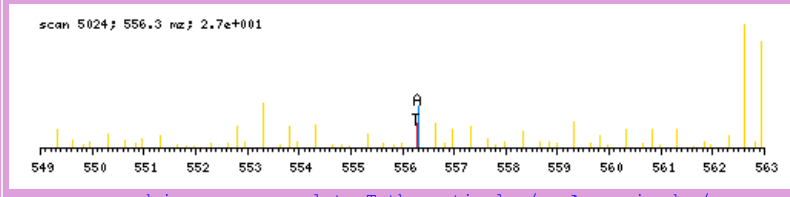
N-term:+29.04 K(12):+156.13

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

TVLSGGTTMYPGIADR, MH+ 1666.8474, m/z 556.2873
L OS G13 P120811 220811-s1.05028.05028.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



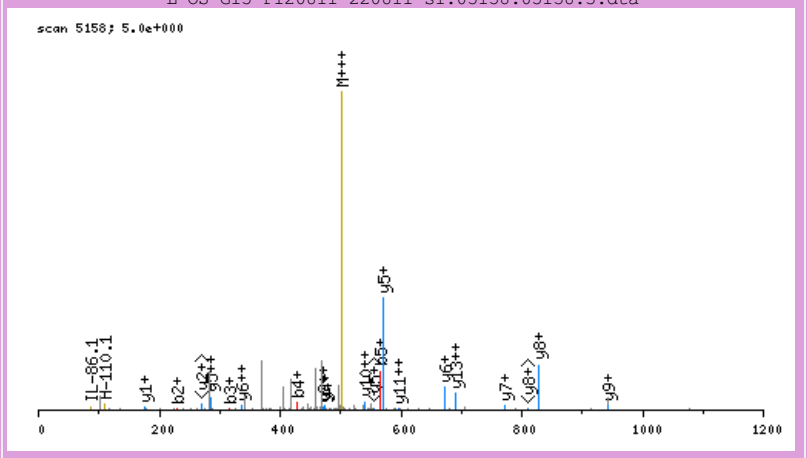
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

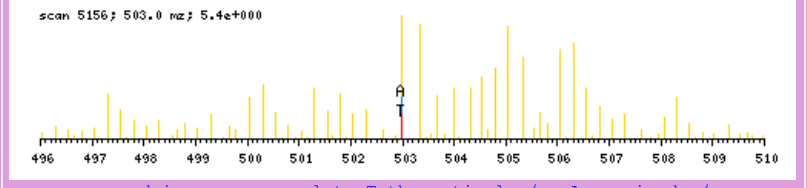
N-term:+29.04

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

TVSLHLGVTPSVLR, MH+ 1506.9008, m/z 502.9718
L OS G15 P120811 220811-s1.05158.05158.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



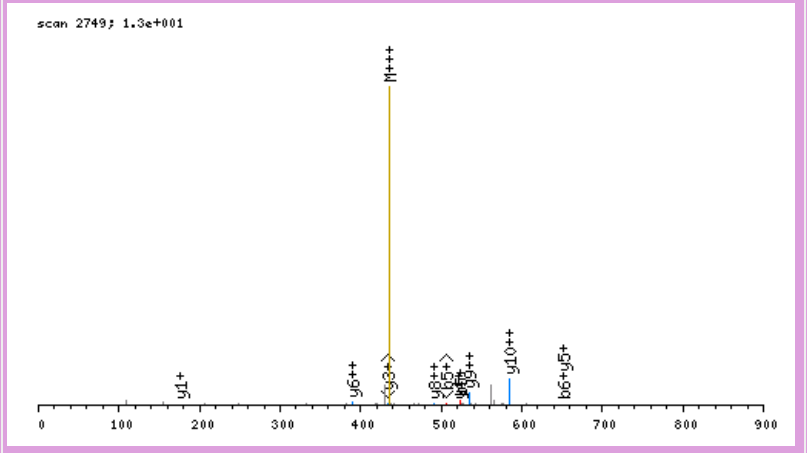
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
229.1552	2	V	13	1377.8218	**689.4148**
316.1872	3	S	12	1278.7534	639.8806
429.2713	4	L	11	1191.7214	**596.3646**
566.3302	5	H	10	1078.6373	**539.8226**
679.4143	6	L	9	**941.5784**	**471.2931**
736.4357	7	G	8	**828.4943**	414.7511
835.5041	8	V	7	**771.4729**	386.2403
936.5518	9	T	6	**672.4044**	**336.7061**
1033.6046	10	P	5	**571.3568**	**286.1823**
1120.6366	11	S	4	**474.3040**	237.6559
1219.7050	12	V	3	387.2720	194.1399
1332.7891	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

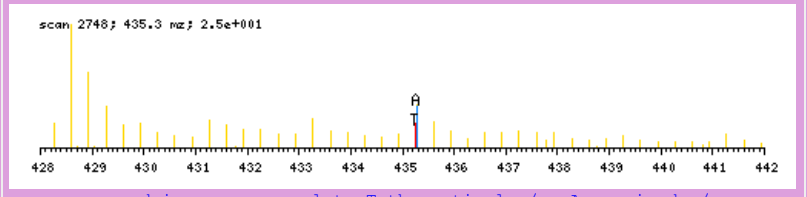
N-term:+29.04

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

TVSSDQMAKLR, MH+ 1303.7680, m/z 435.2609
H OS G16 P120811 220811-s1.02749.02749.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



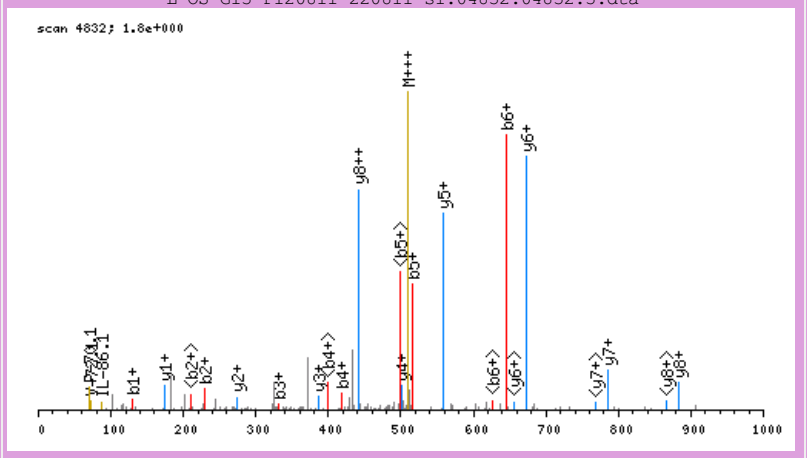
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
136.1186	1	T	11		
235.1870	2	V	10	1168.6573	**584.8325**
322.2190	3	S	9	1069.5888	**535.2983**
409.2510	4	S	8	982.5568	**491.7823**
524.2780	5	D	7	895.5248	448.2663
652.3366	6	Q	6	780.4978	**390.7528**
783.3771	7	M	5	**652.4393**	326.7235
854.4142	8	A	4	**521.3988**	261.2033
1016.5723	9	K	3	450.3617	225.6847
1129.6563	10	L	2	288.2036	144.6057
	11	R	1	**175.1195**	88.0637

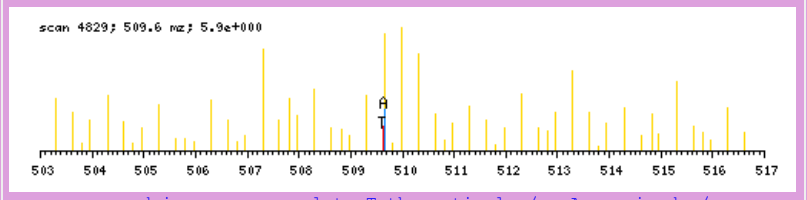
N-term:+35.07 K(9):+162.16

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

TVTSVEPLNGNLVR, MH+ 1526.8542, m/z 509.6229
L OS G13 P120811 220811-s1.04832.04832.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



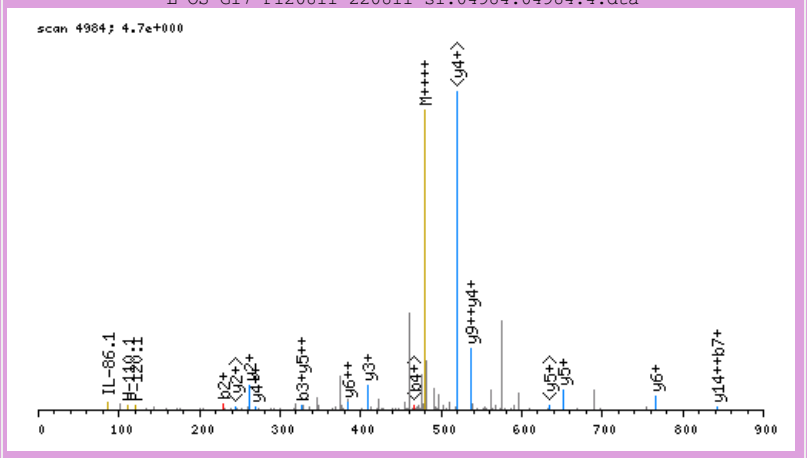
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	14		
229.1552	2	V	13	1397.7753	699.3915
330.2029	3	T	12	1298.7068	649.8573
417.2349	4	S	11	1197.6592	599.3335
516.3033	5	V	10	1110.6271	555.8175
645.3459	6	E	9	1011.5587	506.2833
742.3987	7	P	8	882.5161	441.7620
855.4827	8	L	7	785.4634	393.2356
969.5257	9	N	6	672.3793	336.6936
1026.5471	10	G	5	558.3364	279.6721
1140.5901	11	N	4	501.3149	251.1614
1253.6741	12	L	3	387.2720	194.1399
1352.7425	13	V	2	274.1879	137.5979
	14	R	1	175.1195	88.0637

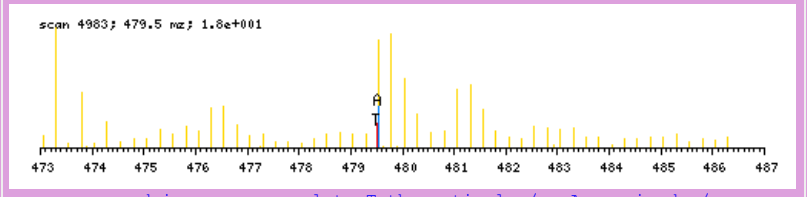
N-term:+29.04

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

TVVKDEDHGILDQFSR, MH+ 1914.9925, m/z 479.5036
L OS G17 P120811 220811-s1.04984.04984.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



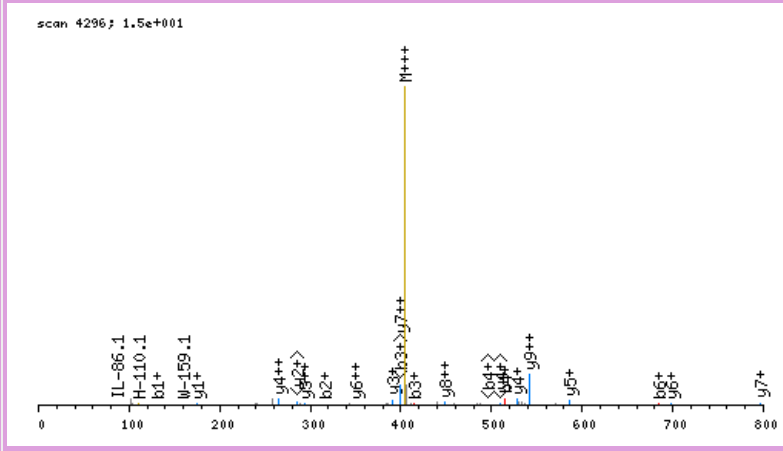
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	16		
229.1552	2	V	15	1785.9136	893.4607
328.2236	3	V	14	1686.8452	**843.9265**
484.3499	4	K	13	1587.7767	794.3923
599.3768	5	D	12	1431.6504	716.3291
728.4194	6	E	11	1316.6235	658.8157
843.4464	7	D	10	1187.5809	594.2944
980.5053	8	H	9	1072.5540	**536.7809**
1037.5268	9	G	8	935.4951	468.2514
1150.6108	10	I	7	878.4736	439.7407
1263.6949	11	L	6	**765.3895**	**383.1987**
1378.7218	12	D	5	**652.3055**	**326.6566**
1506.7804	13	Q	4	**537.2785**	**269.1432**
1653.8488	14	F	3	**409.2199**	205.1139
1740.8809	15	S	2	**262.1515**	131.5797
	16	R	1	175.1195	88.0637

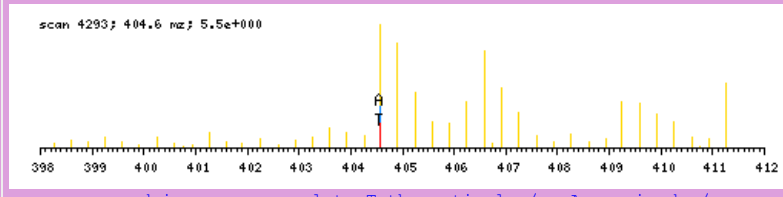
N-term:+29.04 K(4):+156.13

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

TWVVLGHSER, MH+ 1211.6537, m/z 404.5561
L OS G16 P120811 220811-s1.04296.04296.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



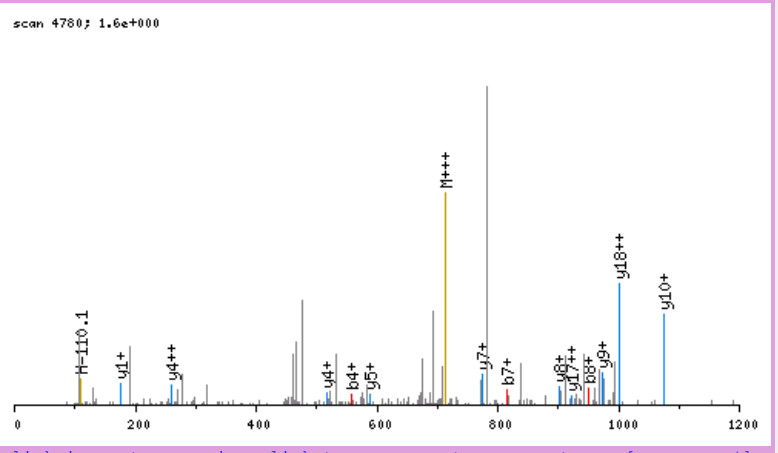
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
130.0868	1	T	10		
316.1661	2	W	9	1082.5747	541.7913
415.2345	3	V	8	896.4954	448.7516
514.3029	4	V	7	797.4270	399.2174
627.3870	5	L	6	698.3586	349.6832
684.4084	6	G	5	585.2745	293.1412
821.4674	7	H	4	528.2530	264.6304
908.4994	8	S	3	391.1941	196.1010
1037.5420	9	E	2	304.1621	152.5850
	10	R	1	175.1195	88.0637

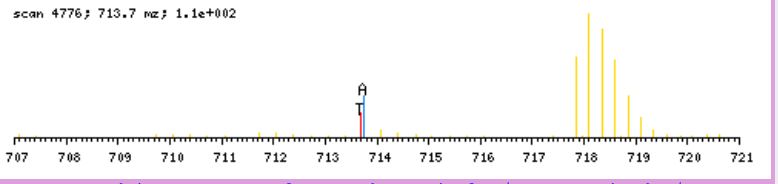
N-term:+29.04

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

TYEEGLSHLTAEGQATLER, MH+ 2139.0782, m/z 713.6976
H OS G15 P120811 220811-s1.04780.04780.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



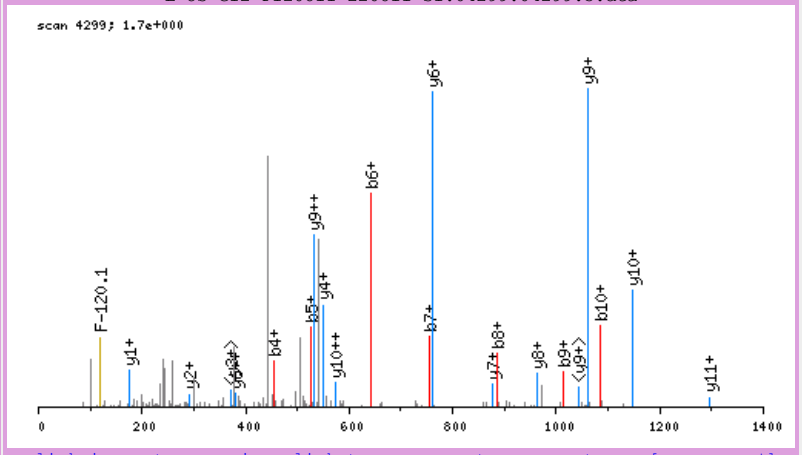
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

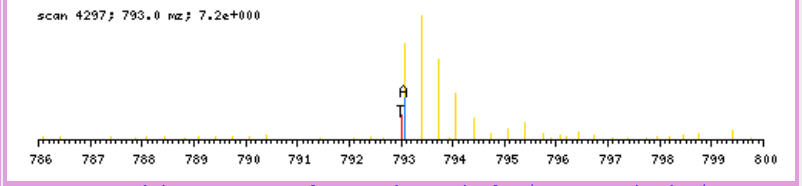
N-term:+35.07

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

VAEQADLEQAFSPSDPDCVDR, MH+ 2377.0617, m/z 793.0254
L OS G12 P120811 220811-s1.04299.04299.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



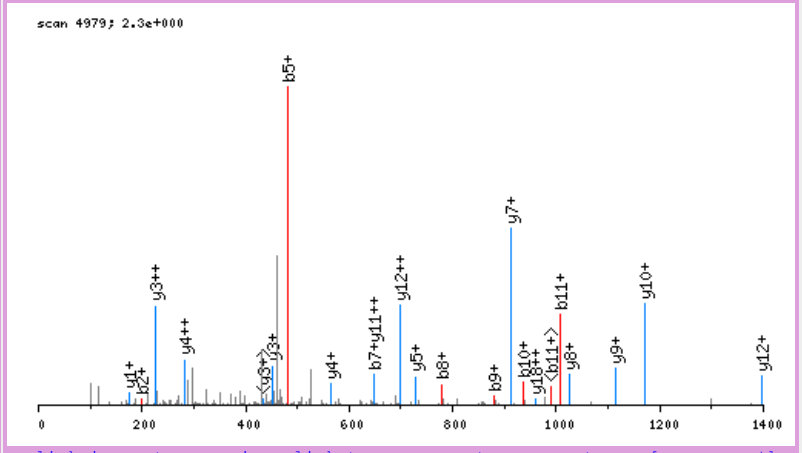
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
199.1446	2	A	20	2249.9620	1125.4849
328.1872	3	E	19	2178.9249	1089.9664
456.2458	4	Q	18	2049.8823	1025.4451
527.2829	5	A	17	1921.8237	961.4158
642.3099	6	D	16	1850.7866	925.8972
755.3939	7	L	15	1735.7597	868.3838
884.4365	8	E	14	1622.6756	811.8417
1012.4951	9	Q	13	1493.6330	747.3204
1083.5322	10	A	12	1365.5745	683.2911
1230.6006	11	F	11	**1294.5373**	647.7726
1317.6326	12	S	10	**1147.4689**	**574.2384**
1414.6854	13	P	9	**1060.4369**	**530.7224**
1501.7174	14	S	8	**963.3841**	482.1960
1616.7444	15	D	7	**876.3521**	438.6800
1713.7971	16	P	6	**761.3252**	**381.1665**
1828.8241	17	D	5	664.2724	332.6401
1988.8547	18	C	4	**549.2455**	275.1266
2087.9231	19	V	3	389.2149	195.1113
2202.9500	20	D	2	**290.1464**	145.5771
	21	R	1	**175.1195**	88.0637

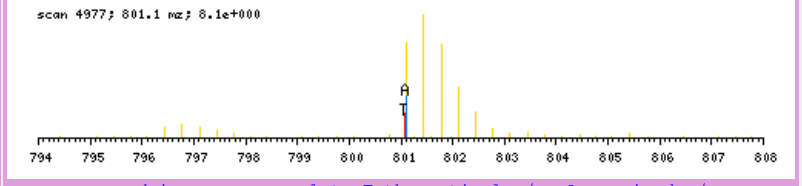
N-term:+29.04 C(18):+160.03

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

VAGPQPAQTGAPQGSLGEYLFER, MH+ 2401.2152, m/z 801.0766
L OS G12 P120811 220811-s1.04979.04979.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



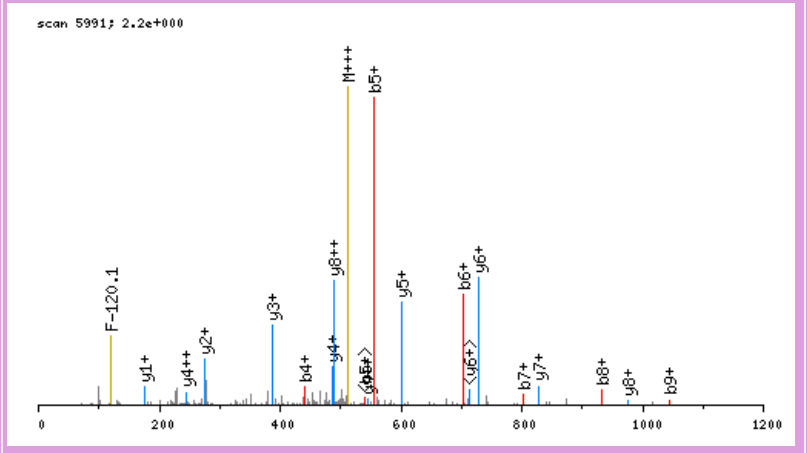
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
199.1446	2	A	22	2274.1155	1137.5617
256.1661	3	G	21	2203.0784	1102.0431
353.2189	4	P	20	2146.0569	1073.5324
481.2774	5	Q	19	2049.0041	1025.0060
578.3302	6	P	18	1920.9456	**960.9767**
649.3673	7	A	17	1823.8928	912.4503
777.4259	8	Q	16	1752.8557	876.9318
878.4736	9	T	15	1624.7971	812.9025
935.4950	10	G	14	1523.7494	762.3786
1006.5321	11	A	13	1466.7280	733.8679
1103.5849	12	P	12	**1395.6909**	**698.3493**
1231.6435	13	Q	11	1298.6381	**649.8230**
1288.6649	14	G	10	**1170.5795**	585.7937
1375.6970	15	S	9	**1113.5580**	557.2829
1488.7810	16	L	8	**1026.5260**	513.7669
1545.8025	17	G	7	**913.4420**	457.2249
1674.8451	18	E	6	856.4205	428.7142
1837.9084	19	Y	5	**727.3779**	364.1929
1950.9925	20	L	4	**564.3146**	**282.6612**
2098.0609	21	F	3	**451.2305**	**226.1192**
2227.1035	22	E	2	304.1621	152.5850
	23	R	1	**175.1195**	88.0637

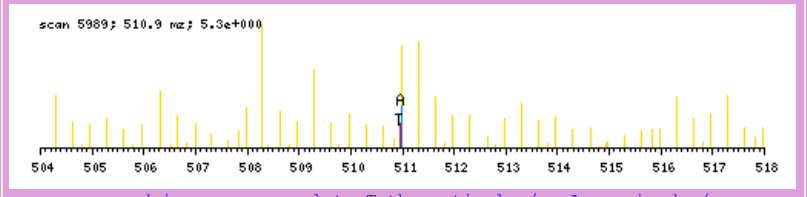
N-term:+29.04

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

VANQDFVENVLVR, MH+ 1530.8280, m/z 510.9475
L OS G13 P120811 220811-s1.05991.05991.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



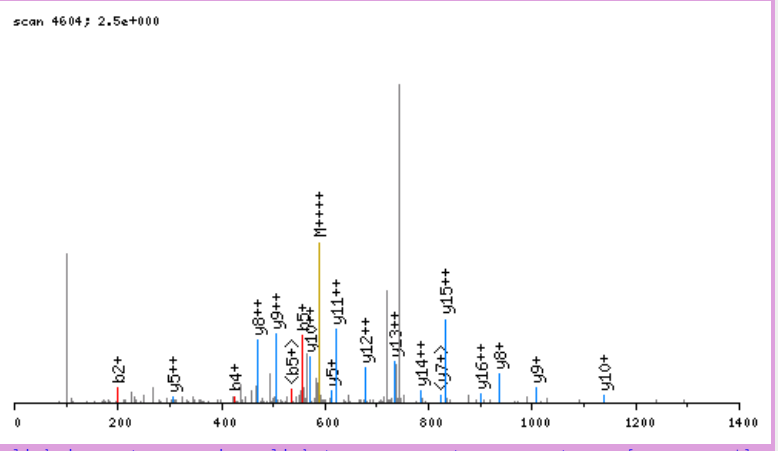
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
199.1446	2	A	12	1403.7283	702.3681
313.1876	3	N	11	1332.6912	666.8495
441.2461	4	Q	10	1218.6483	609.8280
556.2731	5	D	9	1090.5897	**545.7988**
703.3415	6	F	8	**975.5627**	**488.2853**
802.4099	7	V	7	**828.4943**	414.7511
931.4525	8	E	6	**729.4259**	365.2169
1045.4954	9	N	5	**600.3833**	300.6956
1144.5638	10	V	4	**486.3404**	**243.6741**
1257.6479	11	L	3	**387.2720**	194.1399
1356.7163	12	V	2	**274.1879**	137.5979
	13	R	1	**175.1195**	88.0637

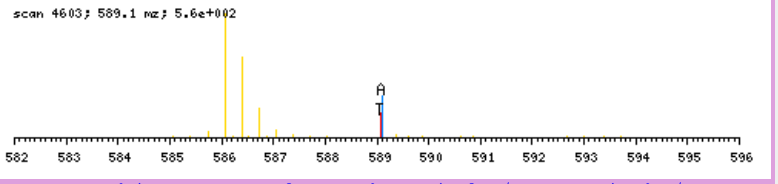
N-term:+29.04

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

VAPEEHPTLLTEAPLNPKANR, MH+ 2353.2880, m/z 589.0775
L OS G16 P120811 220811-s1.04604.04604.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



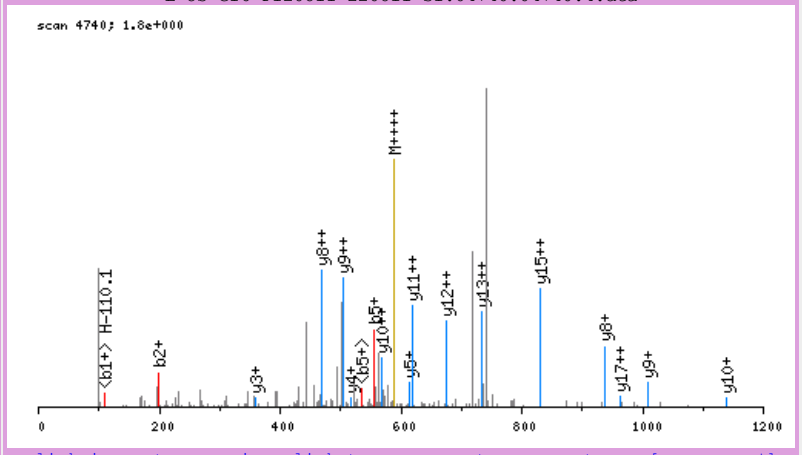
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
199.1446	2	A	20	2226.1883	1113.5981
296.1974	3	P	19	2155.1512	1078.0795
425.2400	4	E	18	2058.0984	1029.5531
554.2826	5	E	17	1929.0558	965.0318
691.3415	6	H	16	1800.0132	**900.5105**
788.3943	7	P	15	1662.9543	**831.9811**
889.4419	8	T	14	1565.9016	**783.4547**
1002.5260	9	L	13	1464.8539	**732.9308**
1115.6101	10	L	12	1351.7698	**676.3888**
1216.6577	11	T	11	1238.6857	**619.8468**
1345.7003	12	E	10	**1137.6381**	**569.3229**
1416.7374	13	A	9	**1008.5955**	**504.8017**
1513.7902	14	P	8	**937.5584**	**469.2831**
1626.8743	15	L	7	840.5056	420.7567
1740.9172	16	N	6	727.4215	364.2147
1837.9700	17	P	5	**613.3786**	**307.1932**
1994.0963	18	K	4	516.3258	258.6668
2065.1334	19	A	3	360.1995	180.6037
2179.1763	20	N	2	289.1624	145.0851
	21	R	1	175.1195	88.0637

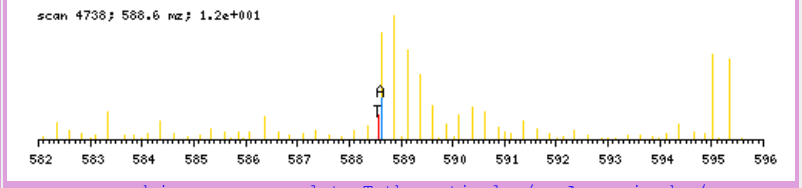
N-term:+29.04 K(18):+156.13

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

VAPEEHPVLLTEAPLNPKANR, MH+ 2351.3087, m/z 588.5826
L OS G16 P120811 220811-s1.04740.04740.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



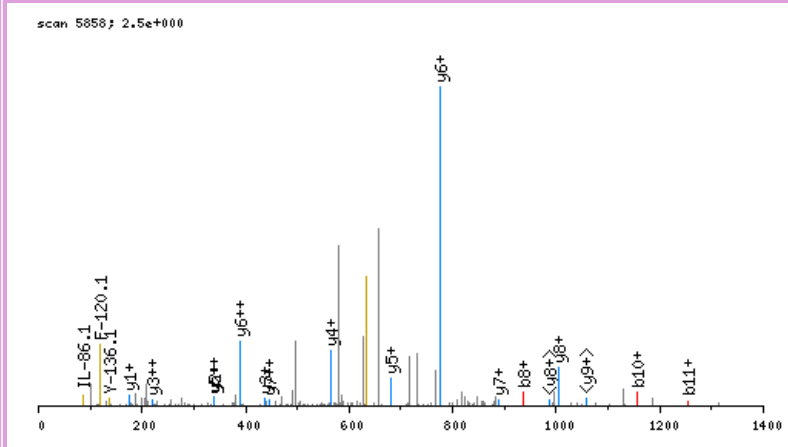
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	21		
199.1446	2	A	20	2224.2090	1112.6084
296.1974	3	P	19	2153.1719	1077.0899
425.2400	4	E	18	2056.1192	1028.5635
554.2826	5	E	17	1927.0766	**964.0422**
691.3415	6	H	16	1798.0340	899.5209
788.3943	7	P	15	1660.9751	**830.9914**
887.4627	8	V	14	1563.9223	782.4651
1000.5467	9	L	13	1464.8539	**732.9308**
1113.6308	10	L	12	1351.7698	**676.3888**
1214.6785	11	T	11	1238.6857	**619.8468**
1343.7211	12	E	10	**1137.6381**	**569.3229**
1414.7582	13	A	9	**1008.5955**	**504.8017**
1511.8109	14	P	8	**937.5584**	**469.2831**
1624.8950	15	L	7	840.5056	420.7567
1738.9379	16	N	6	727.4215	364.2147
1835.9907	17	P	5	**613.3786**	307.1932
1992.1170	18	K	4	**516.3258**	258.6668
2063.1541	19	A	3	**360.1995**	180.6037
2177.1970	20	N	2	289.1624	145.0851
	21	R	1	175.1195	88.0637

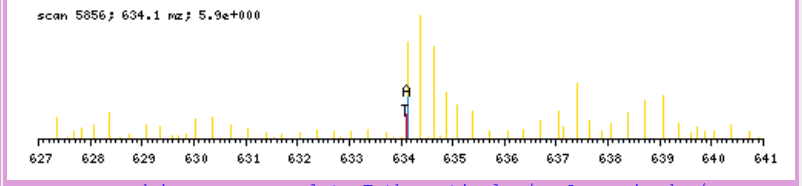
N-term:+29.04 K(18):+156.13

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

VAQPKNLEGYVGFANLPNQVYR, MH+ 2533.3567, m/z 634.0946
L OS G15 P120811 220811-s1.05858.05858.4.dta



click image to zoom in; click top corners to zoom out [precursor]



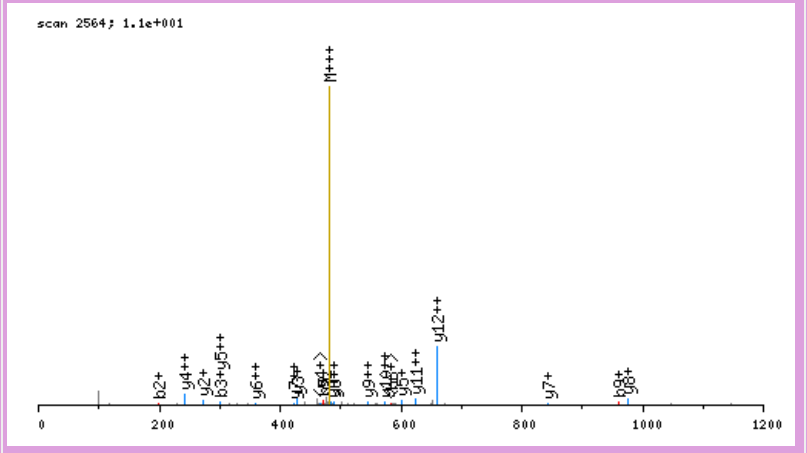
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

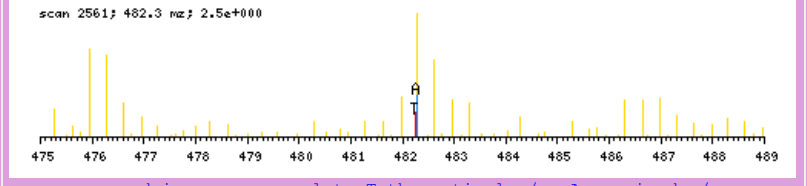
N-term:+29.04 K(5):+156.13

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+ 1444.7470, m/z 482.2539
L OS G15 P120811 220811-s1.02564.02564.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



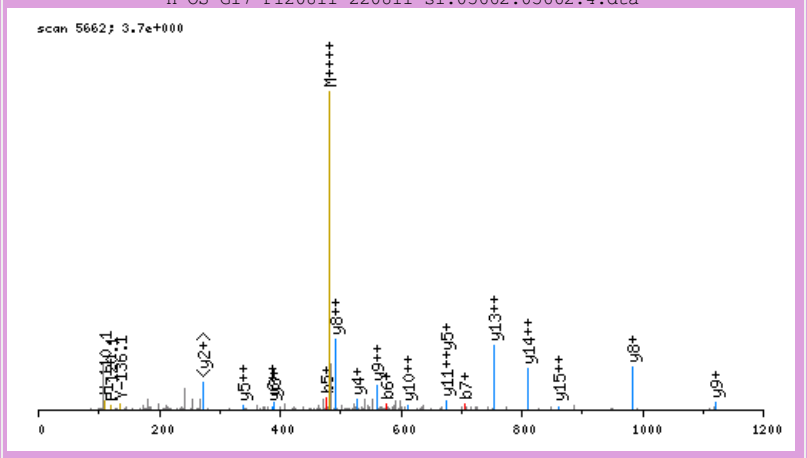
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
199.1446	2	A	12	1317.6473	**659.3276**
300.1923	3	T	11	1246.6102	**623.8090**
357.2138	4	G	10	1145.5625	**573.2852**
470.2978	5	L	9	1088.5411	**544.7744**
601.3383	6	M	8	**975.4570**	**488.2324**
730.3809	7	E	7	**844.4165**	**422.7122**
845.4079	8	D	6	715.3739	**358.1909**
960.4348	9	D	5	**600.3470**	**300.6774**
1017.4563	10	G	4	**485.3200**	**243.1639**
1173.5826	11	K	3	**428.2986**	214.6532
1270.6353	12	P	2	**272.1723**	136.5900
	13	R	1	175.1195	88.0637

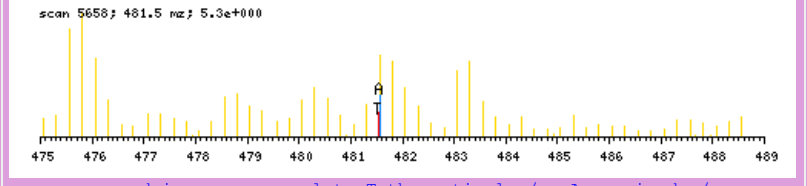
N-term:+29.04 K(11):+156.13

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

VATLGVEVHPLVFHTNR, MH+ 1923.1028, m/z 481.5312
H OS G17 P120811 220811-s1.05662.05662.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



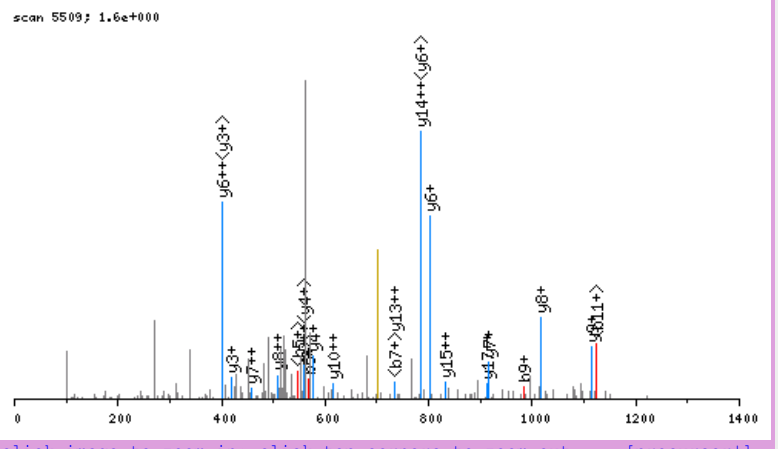
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

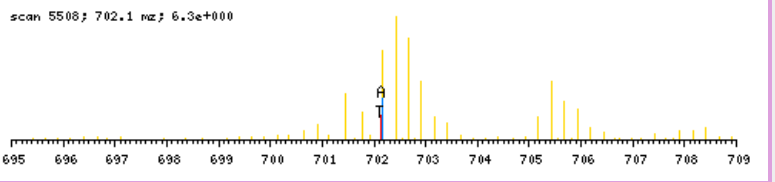
N-term:+35.07

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+ 2805.4609, m/z 702.1207
L OS G16 P120811 220811-s1.05509.05509.4.dta



click image to zoom in; click top corners to zoom out [precursor]



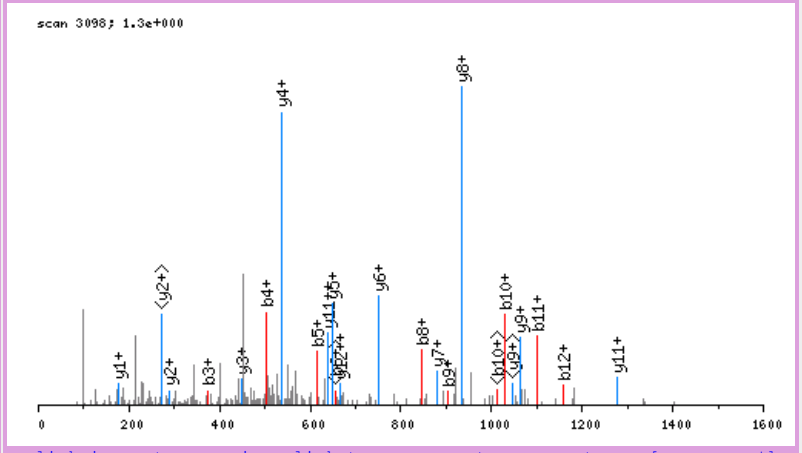
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	26		
199.1446	2	A	25	2678.3612	1339.6845
298.2130	3	V	24	2607.3241	1304.1660
429.2535	4	M	23	2508.2557	1254.6318
566.3124	5	H	22	2377.2152	1189.1115
623.3339	6	G	21	2240.1563	1120.5821
752.3765	7	E	20	2183.1349	1092.0713
853.4242	8	T	19	2054.0923	1027.5500
982.4668	9	E	18	1953.0446	977.0262
1039.4882	10	G	17	1824.0020	**912.5049**
1140.5359	11	T	16	1766.9805	883.9942
1239.6043	12	V	15	1665.9329	**833.4703**
1336.6571	13	P	14	1566.8644	**783.9361**
1393.6786	14	G	13	1469.8117	**735.4098**
1507.7215	15	N	12	1412.7902	706.8990
1578.7586	16	A	11	1298.7473	649.8776
1691.8427	17	L	10	1227.7102	**614.3590**
1790.9111	18	V	9	**1114.6261**	**557.8170**
1889.9795	19	V	8	**1015.5577**	**508.2828**
2005.0064	20	D	7	**916.4893**	**458.7486**
2102.0592	21	P	6	**801.4623**	**401.2351**
2231.1018	22	E	5	704.4096	352.7087
2387.2281	23	K	4	**575.3670**	288.1874
2484.2808	24	P	3	**419.2407**	210.1243
2631.3493	25	F	2	322.1879	161.5979
	26	R	1	175.1195	88.0637

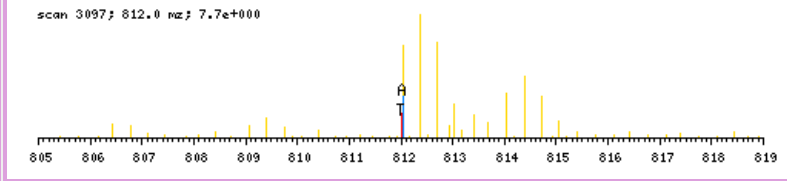
N-term:+29.04 K(23):+156.13

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

VDEEDGGDGQAGPDEGEVDSCLR, MH+ 2433.9952, m/z 812.0032
L OS G12 P120811 220811-s1.03098.03098.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



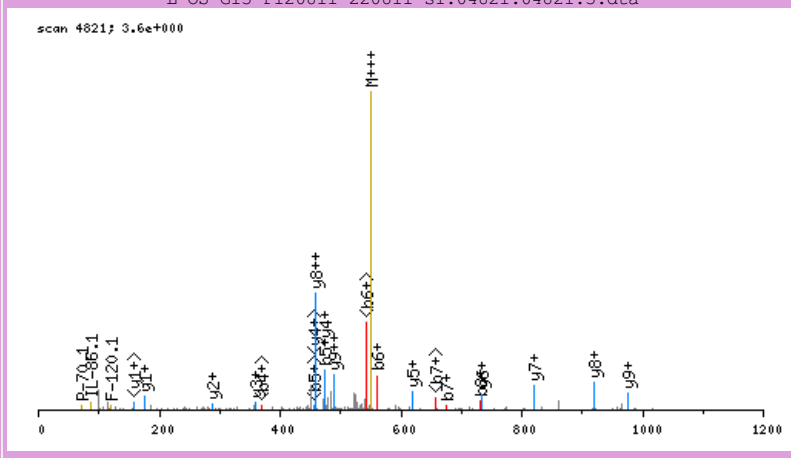
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
243.1345	2	D	22	2306.8955	1153.9516
372.1771	3	E	21	2191.8685	1096.4382
501.2196	4	E	20	2062.8259	1031.9169
616.2466	5	D	19	1933.7833	967.3956
673.2681	6	G	18	1818.7564	909.8821
730.2895	7	G	17	1761.7349	881.3714
845.3165	8	D	16	1704.7135	852.8606
902.3379	9	G	15	1589.6865	795.3472
1030.3965	10	Q	14	1532.6651	766.8364
1101.4336	11	A	13	1404.6065	702.8072
1158.4551	12	G	12	1333.5694	**667.2886**
1255.5078	13	P	11	**1276.5479**	**638.7779**
1370.5348	14	D	10	1179.4951	590.2515
1499.5774	15	E	9	**1064.4682**	532.7380
1556.5988	16	G	8	**935.4256**	468.2167
1685.6414	17	E	7	**878.4041**	439.7060
1784.7098	18	V	6	**749.3616**	375.1847
1899.7368	19	D	5	**650.2931**	325.6505
1986.7688	20	S	4	**535.2662**	268.1370
2146.7994	21	C	3	**448.2342**	224.6210
2259.8835	22	L	2	**288.2036**	144.6057
	23	R	1	**175.1195**	88.0637

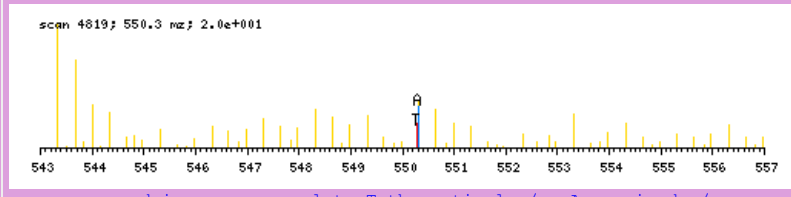
N-term:+29.04 C(21):+160.03

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

VDGSSSLGPSNFNAIR, MH+ 1648.8294, m/z 550.2813
L OS G13 P120811 220811-s1.04821.04821.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



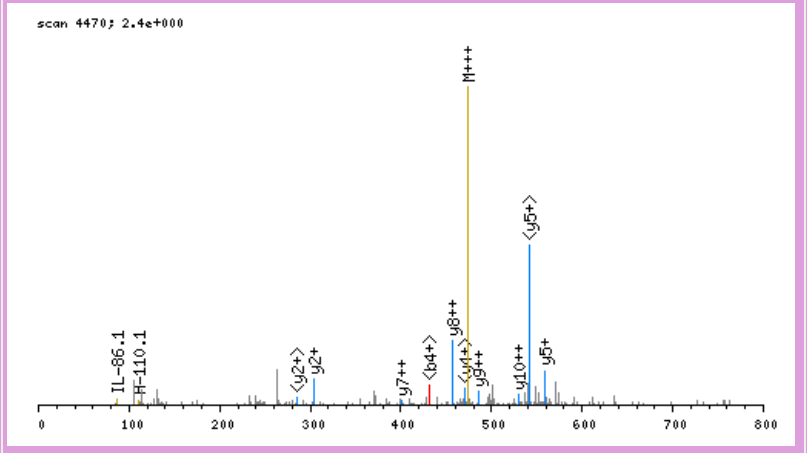
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
243.1345	2	D	15	1521.7298	761.3688
300.1559	3	G	14	1406.7028	703.8553
387.1879	4	S	13	1349.6814	675.3446
474.2200	5	S	12	1262.6493	631.8286
561.2520	6	S	11	1175.6173	588.3126
674.3361	7	L	10	1088.5853	544.7965
731.3575	8	G	9	**975.5012**	**488.2545**
828.4103	9	P	8	**918.4797**	**459.7438**
915.4423	10	S	7	**821.4270**	411.2174
1029.4853	11	N	6	**734.3949**	367.7014
1176.5537	12	F	5	**620.3520**	310.6799
1290.5966	13	N	4	**473.2836**	237.1457
1361.6337	14	A	3	**359.2407**	180.1243
1474.7178	15	I	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

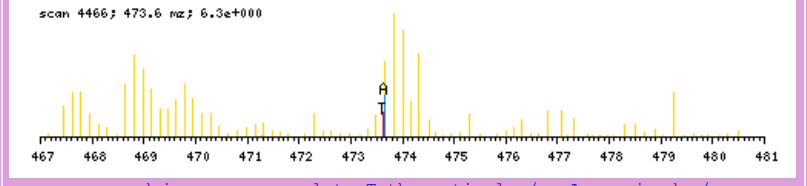
N-term:+29.04

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

VDISGLQLALAER, MH+ 1418.8431, m/z 473.6192
H OS G19 P120811 220811-s1.04470.04470.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



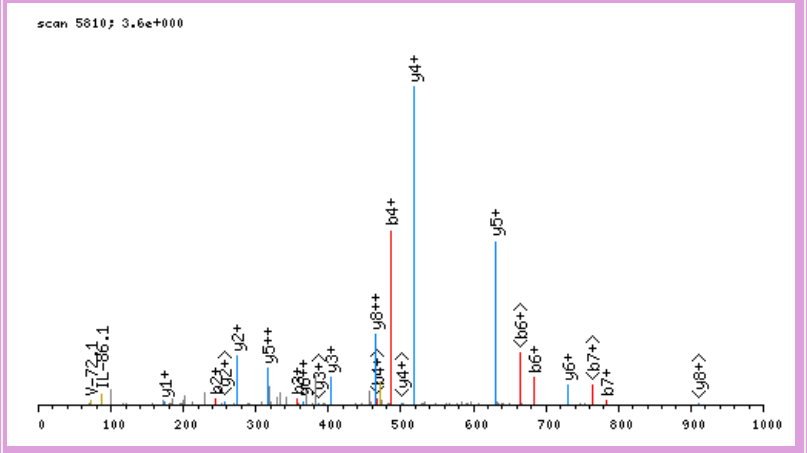
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
249.1663	2	D	12	1285.7116	643.3597
362.2503	3	I	11	1170.6846	585.8462
449.2823	4	S	10	1057.6006	**529.3042**
506.3038	5	G	9	970.5686	**485.7882**
619.3879	6	L	8	913.5471	**457.2775**
747.4465	7	Q	7	800.4630	**400.7354**
860.5305	8	L	6	672.4044	336.7061
931.5676	9	A	5	**559.3204**	280.1641
1044.6517	10	L	4	488.2833	244.6455
1115.6888	11	A	3	375.1992	188.1035
1244.7314	12	E	2	**304.1621**	152.5850
	13	R	1	175.1195	88.0637

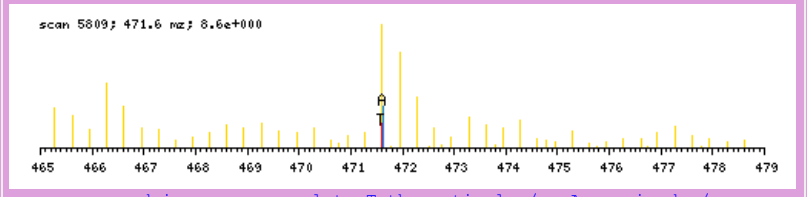
N-term:+35.07

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

VDLEPTVIDEVR, MH+ 1412.7637, m/z 471.5927
L OS G13 P120811 220811-s1.05810.05810.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



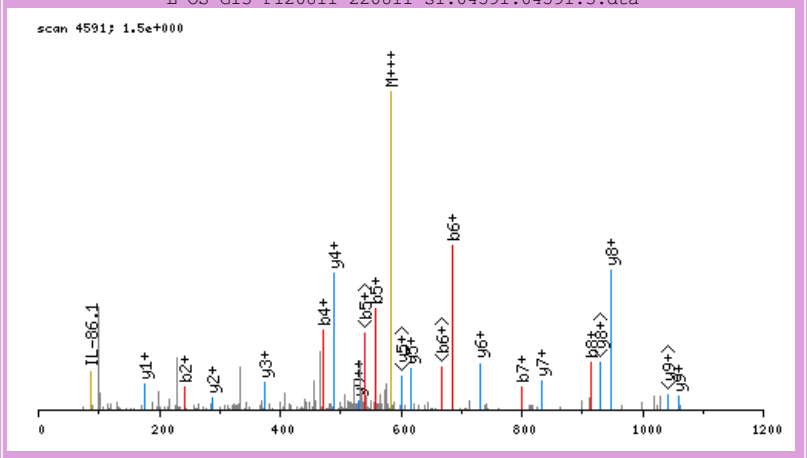
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
243.1345	2	D	11	1285.6640	643.3359
356.2185	3	L	10	1170.6370	585.8224
485.2611	4	E	9	1057.5530	529.2804
582.3139	5	P	8	928.5104	**464.7591**
683.3616	6	T	7	831.4576	416.2327
782.4300	7	V	6	**730.4099**	**365.7089**
895.5140	8	I	5	**631.3415**	**316.1747**
1010.5410	9	D	4	**518.2575**	259.6326
1139.5836	10	E	3	**403.2305**	202.1192
1238.6520	11	V	2	**274.1879**	137.5979
	12	R	1	**175.1195**	88.0637

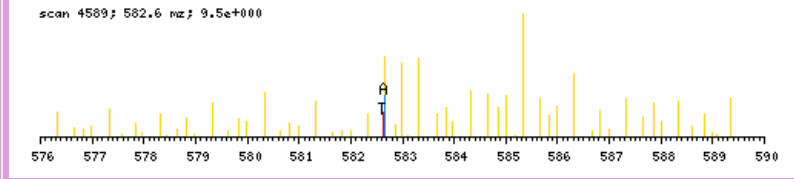
N-term:+29.04

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

VDLNSEIDTNQNSLR, MH+ 1745.8670, m/z 582.6272
L OS G13 P120811 220811-s1.04591.04591.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



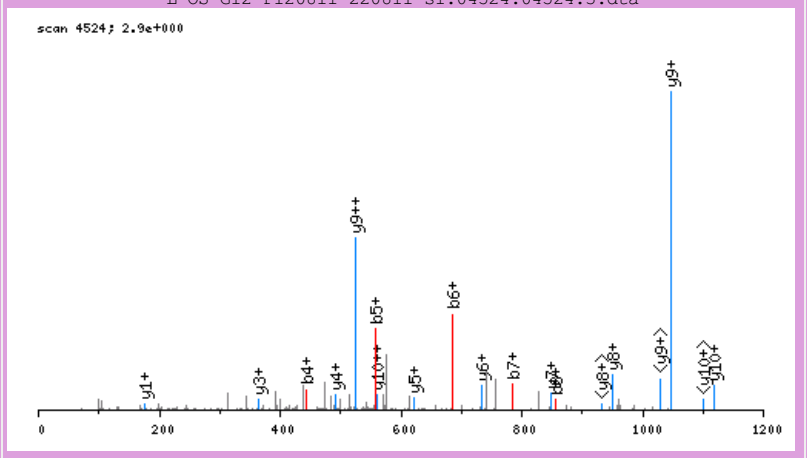
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
243.1345	2	D	14	1618.7673	809.8875
356.2185	3	L	13	1503.7403	752.3741
470.2614	4	N	12	1390.6563	695.8320
557.2935	5	S	11	1276.6133	638.8106
686.3361	6	E	10	1189.5813	595.2946
799.4201	7	I	9	**1060.5387**	**530.7733**
914.4471	8	D	8	**947.4546**	474.2312
1015.4948	9	T	7	**832.4277**	416.7178
1129.5377	10	N	6	**731.3800**	366.1939
1257.5963	11	Q	5	**617.3371**	309.1725
1371.6392	12	N	4	**489.2785**	245.1432
1458.6712	13	S	3	**375.2356**	188.1217
1571.7553	14	L	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

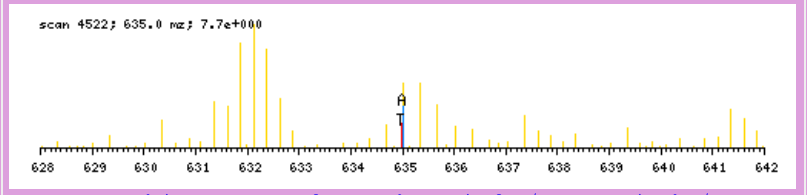
N-term:+29.04

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

VDLSDQVAPTDIEEGMR, MH+ 1902.9119, m/z 634.9755
L OS G12 P120811 220811-s1.04524.04524.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



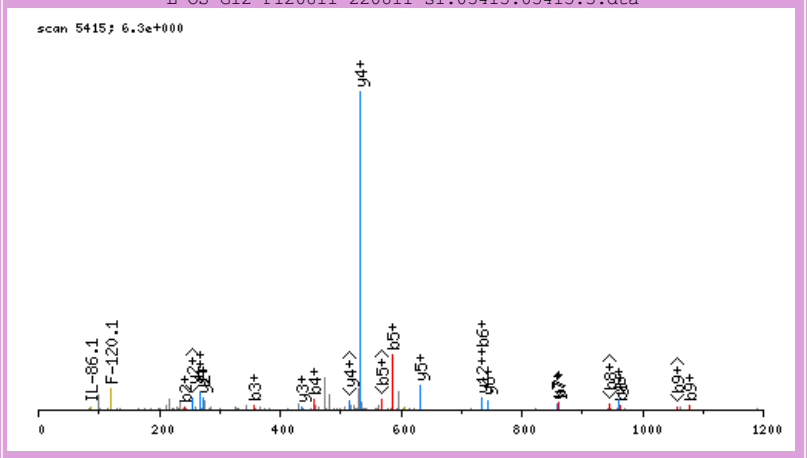
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
243.1345	2	D	16	1775.8122	888.4100
356.2185	3	L	15	1660.7852	830.8965
443.2505	4	S	14	1547.7012	774.3545
558.2775	5	D	13	1460.6691	730.8385
686.3361	6	Q	12	1345.6422	673.3250
785.4045	7	V	11	1217.5836	609.2957
856.4416	8	A	10	**1118.5152**	**559.7615**
953.4944	9	P	9	**1047.4781**	**524.2430**
1054.5420	10	T	8	**950.4253**	475.7166
1169.5690	11	D	7	**849.3776**	425.1927
1282.6530	12	I	6	**734.3507**	367.6793
1411.6956	13	E	5	**621.2666**	311.1372
1540.7382	14	E	4	**492.2240**	246.6159
1597.7597	15	G	3	**363.1814**	182.0946
1728.8002	16	M	2	306.1600	153.5839
	17	R	1	**175.1195**	88.0637

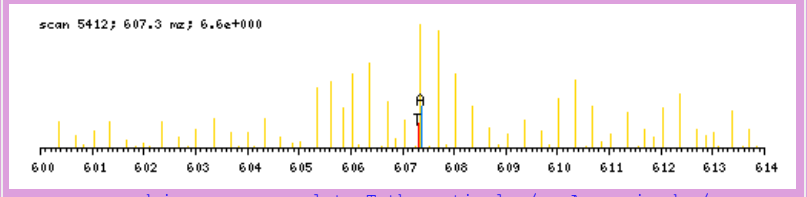
N-term:+29.04

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

VDLTEFQTNLVPYPR, MH+ 1819.9594, m/z 607.3247
L OS G12 P120811 220811-s1.05415.05415.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

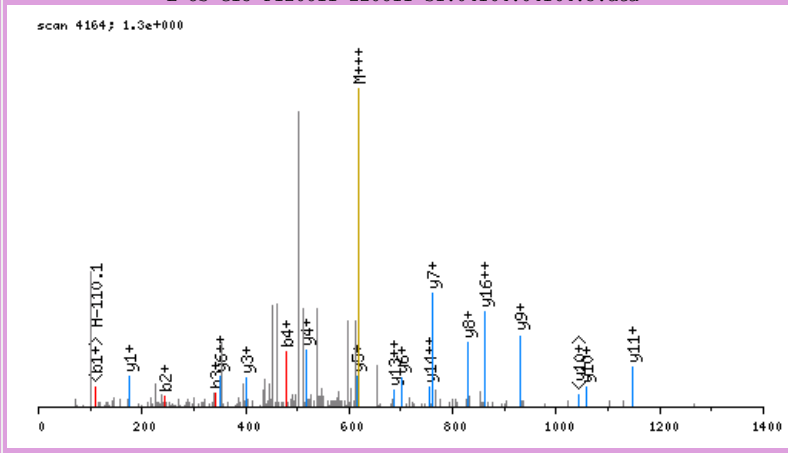


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

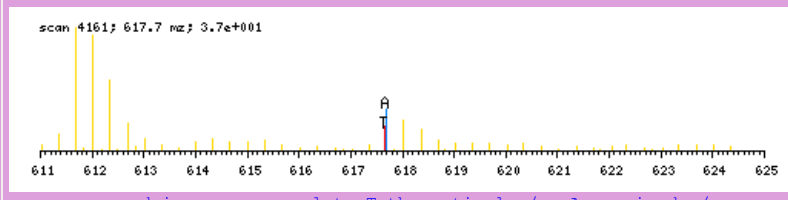
b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
243.1345	2	D	14	1692.8597	846.9338
356.2185	3	L	13	1577.8328	789.4203
457.2662	4	T	12	1464.7487	732.8783
586.3088	5	E	11	1363.7010	682.3544
733.3772	6	F	10	1234.6584	617.8331
861.4358	7	Q	9	1087.5900	544.2989
962.4835	8	T	8	959.5314	480.2696
1076.5264	9	N	7	858.4838	429.7458
1189.6105	10	L	6	744.4408	372.7243
1288.6789	11	V	5	631.3568	316.1823
1385.7316	12	P	4	532.2884	266.6481
1548.7950	13	Y	3	435.2356	218.1217
1645.8477	14	P	2	272.1723	136.5900
	15	R	1	175.1195	88.0637

N-term:+29.04

VDVHPESQTAGSVDILR, MH+ 1850.9612, m/z 617.6586
L OS G15 P120811 220811-s1.04164.04164.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

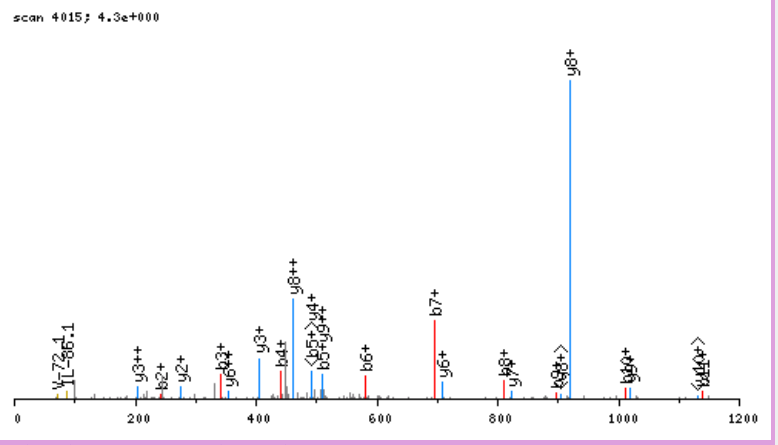
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
243.1345	2	D	16	1723.8615	**862.4347**
342.2029	3	V	15	1608.8346	804.9212
479.2618	4	H	14	1509.7661	**755.3870**
576.3145	5	P	13	1372.7072	**686.8575**
705.3571	6	E	12	1275.6545	638.3311
792.3892	7	S	11	**1146.6119**	573.8099
920.4477	8	Q	10	**1059.5798**	530.2938
1021.4954	9	T	9	**931.5213**	466.2645
1092.5325	10	A	8	**830.4736**	415.7407
1149.5540	11	G	7	**759.4365**	380.2222
1236.5860	12	S	6	**702.4150**	**351.7114**
1335.6544	13	V	5	**615.3830**	308.1954
1450.6814	14	D	4	**516.3146**	258.6612
1563.7655	15	I	3	**401.2876**	201.1477
1676.8495	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

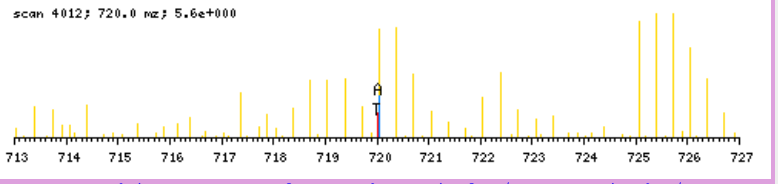
N-term:+29.04

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

VDVPAADLSDQVPDTDSETR, MH+ 2158.0151, m/z 720.0099
L OS G12 P120811 220811-s1.04015.04015.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



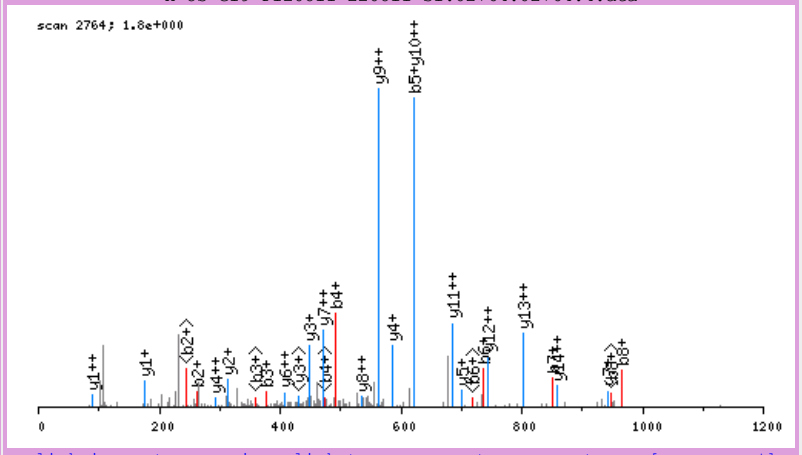
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

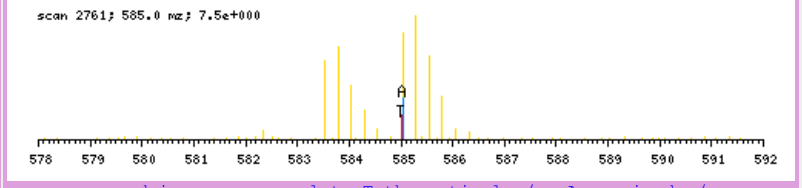
N-term:+29.04

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

VEDNEDDDEDGEELLHHHR, MH+ 2337.0079, m/z 585.0074
H OS G19 P120811 220811-s1.02764.02764.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



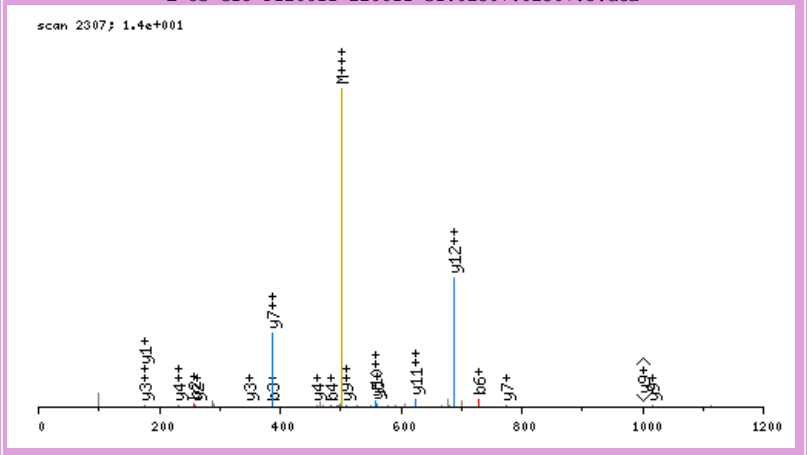
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	19		
263.1819	2	E	18	2203.8764	1102.4421
378.2089	3	D	17	2074.8338	1037.9208
492.2518	4	N	16	1959.8069	980.4074
621.2944	5	E	15	1845.7640	923.3859
736.3213	6	D	14	1716.7214	858.8646
851.3483	7	D	13	1601.6944	801.3511
966.3752	8	D	12	1486.6675	743.8377
1095.4178	9	E	11	1371.6406	686.3242
1210.4447	10	D	10	1242.5980	621.8029
1267.4662	11	G	9	1127.5710	564.2894
1396.5088	12	E	8	1070.5496	535.7787
1525.5514	13	E	7	941.5070	471.2574
1638.6355	14	L	6	812.4644	406.7361
1751.7195	15	L	5	699.3803	350.1941
1888.7784	16	H	4	586.2962	293.6520
2025.8373	17	H	3	449.2373	225.1226
2162.8962	18	H	2	312.1784	156.5931
	19	R	1	175.1195	88.0637

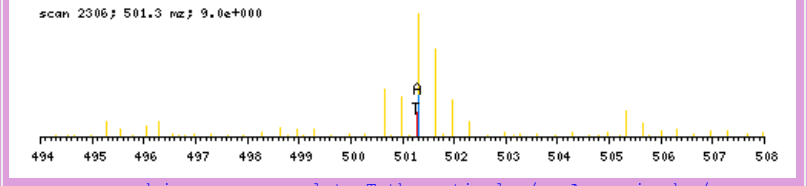
N-term:+35.07

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

VEEVQDGKVISSR, MH+ 1501.8226, m/z 501.2791
L OS G15 P120811 220811-s1.02307.02307.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



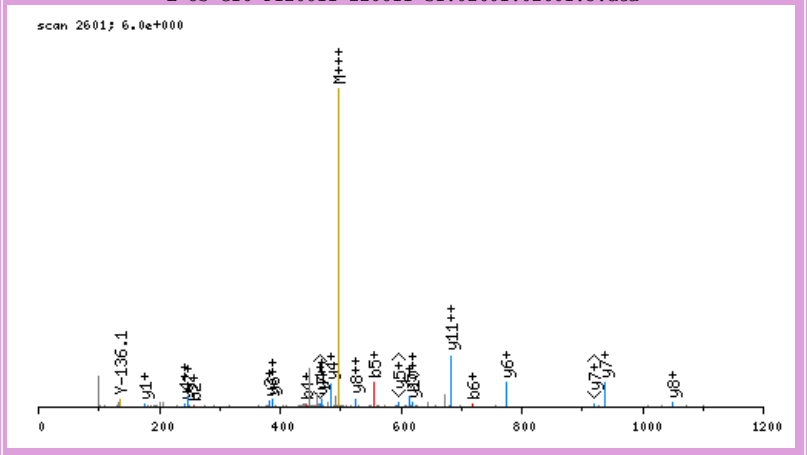
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
257.1501	2	E	12	1374.7229	687.8654
386.1927	3	E	11	1245.6803	623.3441
485.2611	4	V	10	1116.6377	558.8228
613.3197	5	Q	9	1017.5693	509.2886
728.3466	6	D	8	889.5107	445.2593
785.3681	7	G	7	774.4838	387.7458
941.4944	8	K	6	717.4623	359.2351
1040.5628	9	V	5	561.3360	281.1719
1153.6469	10	I	4	462.2676	231.6377
1240.6789	11	S	3	349.1836	175.0957
1327.7109	12	S	2	262.1515	131.5797
	13	R	1	175.1195	88.0637

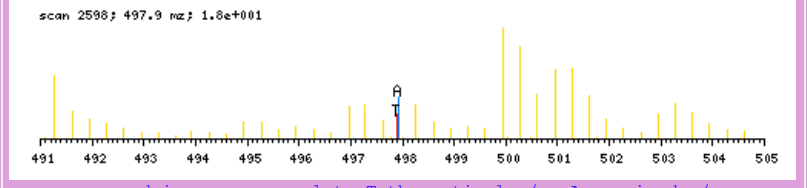
N-term:+29.04 K(8):+156.13

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+ 1491.6901, m/z 497.9016
L OS G16 P120811 220811-s1.02601.02601.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



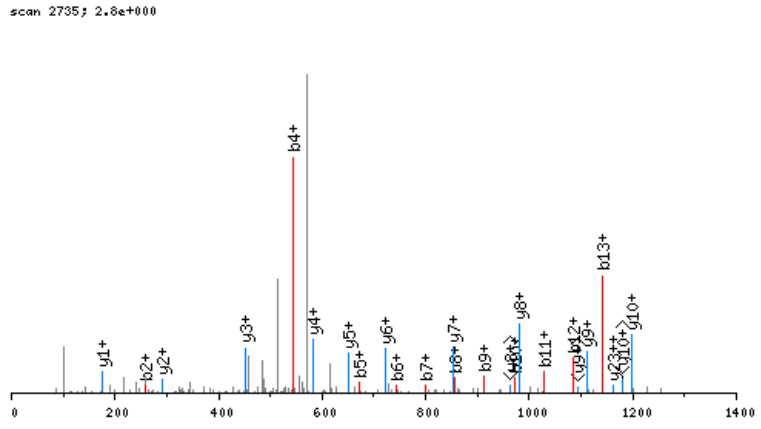
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
257.1501	2	E	11	1364.5904	682.7991
314.1716	3	G	10	1235.5478	618.2778
443.2142	4	E	9	1178.5264	589.7671
556.2982	5	L	8	1049.4838	525.2458
719.3616	6	Y	7	936.3997	468.7038
879.3922	7	C	6	773.3364	387.1721
1008.4347	8	E	5	613.3058	307.1568
1109.4824	9	T	4	484.2632	242.6355
1246.5413	10	H	3	383.2155	192.1117
1317.5785	11	A	2	246.1566	123.5822
	12	R	1	175.1195	88.0637

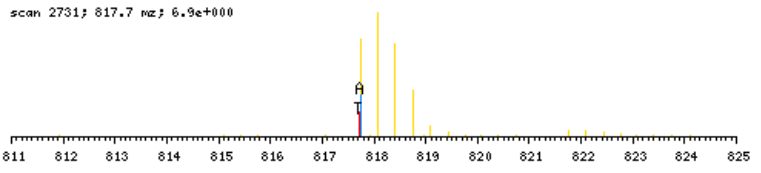
N-term:+29.04 C(7):+160.03

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

VEKEEAGGGGGGGISEEEAAQYDR, MH+ 2451.1276, m/z 817.7140
L OS G15 P120811 220811-s1.02735.02735.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



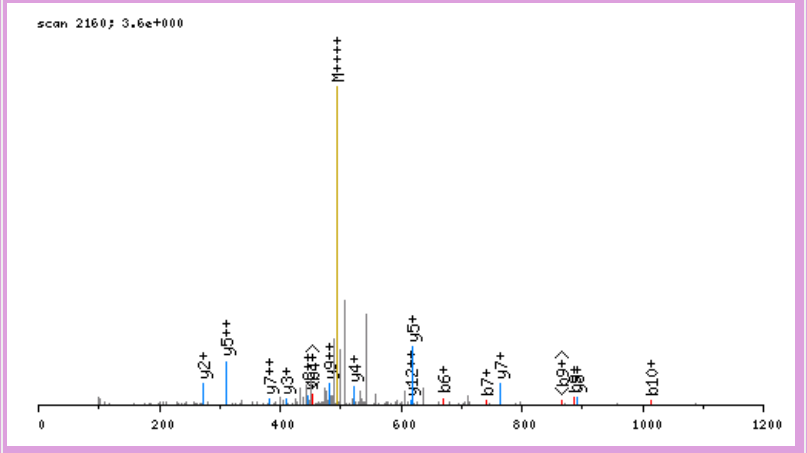
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	24		
257.1501	2	E	23	2324.0279	**1162.5179**
413.2764	3	K	22	2194.9853	1097.9966
542.3190	4	E	21	2038.8590	1019.9334
671.3616	5	E	20	1909.8164	955.4121
742.3987	6	A	19	1780.7738	890.8908
799.4202	7	G	18	1709.7367	855.3723
856.4416	8	G	17	1652.7152	826.8615
913.4631	9	G	16	1595.6938	798.3508
970.4846	10	G	15	1538.6723	769.8401
1027.5060	11	G	14	1481.6508	741.3293
1084.5275	12	G	13	1424.6294	712.8186
1141.5490	13	G	12	1367.6079	684.3079
1254.6330	14	I	11	1310.5864	655.7971
1341.6650	15	S	10	**1197.5024**	599.2551
1470.7076	16	E	9	**1110.4704**	555.7391
1599.7502	17	E	8	**981.4278**	491.2178
1728.7928	18	E	7	**852.3852**	426.6965
1799.8299	19	A	6	**723.3426**	362.1752
1870.8671	20	A	5	**652.3055**	326.6566
1998.9256	21	Q	4	**581.2683**	291.1381
2161.9890	22	Y	3	**453.2098**	227.1088
2277.0159	23	D	2	**290.1464**	145.5771
	24	R	1	**175.1195**	88.0637

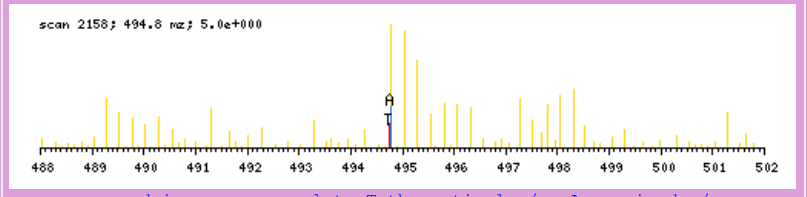
N-term:+29.04 K(3):+156.13

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

VEKGAEAGSQAEGSPLHPR, MH+ 1976.0201, m/z 494.7605
L OS G17 P120811 220811-s1.02160.02160.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



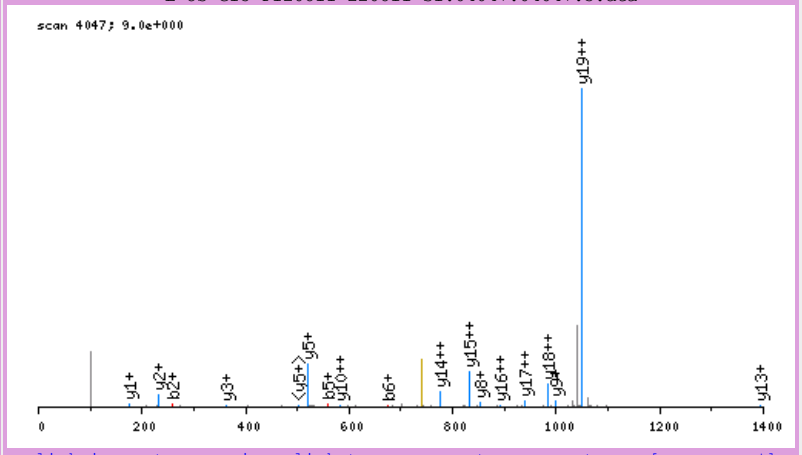
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	19		
257.1501	2	E	18	1848.9205	924.9641
413.2764	3	K	17	1719.8779	860.4428
470.2979	4	G	16	1563.7516	782.3797
541.3350	5	A	15	1506.7301	753.8690
670.3776	6	E	14	1435.6930	718.3504
741.4147	7	A	13	1306.6504	653.8291
798.4362	8	G	12	1235.6133	**618.3105**
885.4682	9	S	11	1178.5918	589.7998
1013.5268	10	Q	10	1091.5598	546.2838
1084.5639	11	A	9	963.5012	**482.2545**
1213.6065	12	E	8	**892.4641**	**446.7360**
1270.6279	13	G	7	**763.4215**	**382.2147**
1357.6600	14	S	6	706.4000	353.7039
1454.7127	15	P	5	**619.3680**	**310.1879**
1567.7968	16	L	4	**522.3152**	261.6615
1704.8557	17	H	3	**409.2312**	205.1195
1801.9085	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

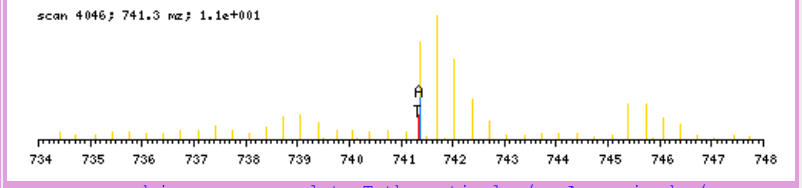
N-term:+29.04 K(3):+156.13

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

VESVDDKGSSYFSMDSAEGR, MH+ 2221.9923, m/z 741.3356
L OS G15 P120811 220811-s1.04047.04047.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



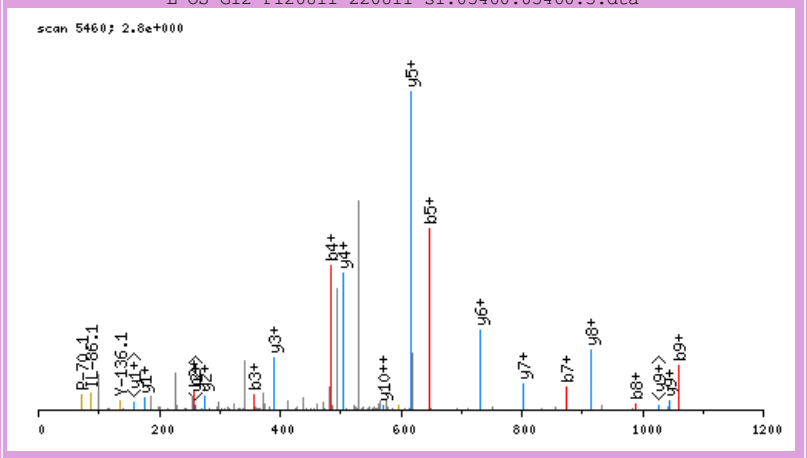
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	20		
257.1501	2	E	19	2094.8926	**1047.9502**
344.1821	3	S	18	1965.8500	**983.4289**
443.2505	4	V	17	1878.8180	**939.9129**
558.2775	5	D	16	1779.7496	**890.3787**
673.3044	6	D	15	1664.7227	**832.8652**
829.4307	7	K	14	1549.6957	**775.3518**
886.4522	8	G	13	**1393.5694**	697.2886
973.4842	9	S	12	1336.5480	668.7779
1060.5163	10	S	11	1249.5159	625.2619
1223.5796	11	Y	10	1162.4839	**581.7459**
1370.6480	12	F	9	**999.4206**	500.2142
1457.6800	13	S	8	**852.3522**	426.6800
1588.7205	14	M	7	765.3201	383.1640
1703.7475	15	D	6	634.2796	317.6437
1790.7795	16	S	5	**519.2527**	260.1303
1861.8166	17	A	4	432.2207	216.6142
1990.8592	18	E	3	**361.1836**	181.0957
2047.8807	19	G	2	**232.1410**	116.5744
	20	R	1	**175.1195**	88.0637

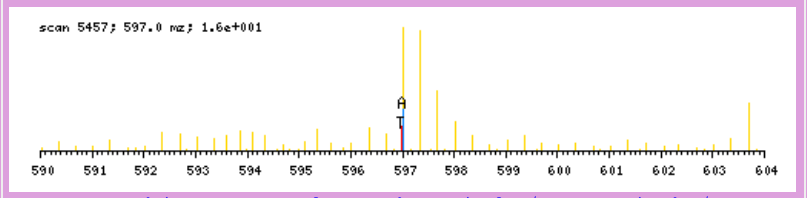
N-term:+29.04 K(7):+156.13

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

VEVEYPENAILDLTR, MH+ 1788.9383, m/z 596.9843
L OS G12 P120811 220811-s1.05460.05460.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



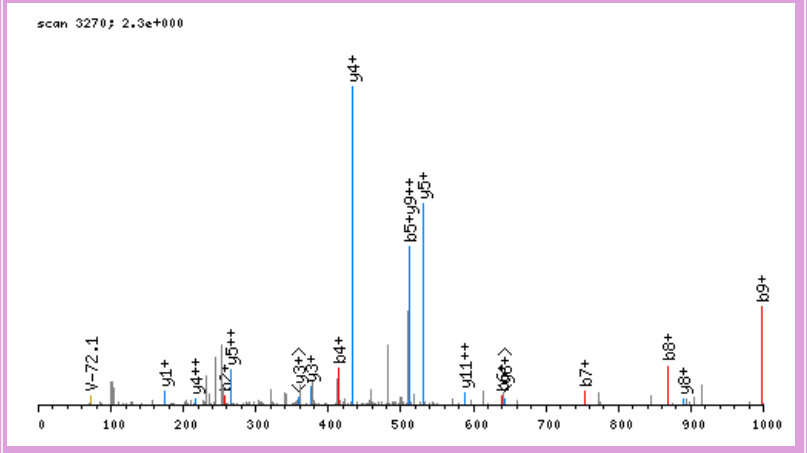
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
257.1501	2	E	14	1661.8386	831.4232
356.2185	3	V	13	1532.7960	766.9019
485.2611	4	E	12	1433.7276	717.3677
648.3244	5	Y	11	1304.6850	652.8464
745.3772	6	P	10	1141.6217	571.3148
874.4198	7	E	9	1044.5689	522.7884
988.4627	8	N	8	915.5264	458.2671
1059.4998	9	A	7	801.4834	401.2456
1172.5839	10	I	6	730.4463	365.7271
1285.6680	11	L	5	617.3623	309.1850
1400.6949	12	D	4	504.2782	252.6430
1513.7790	13	L	3	389.2512	195.1295
1614.8267	14	T	2	276.1672	138.5875
	15	R	1	175.1195	88.0637

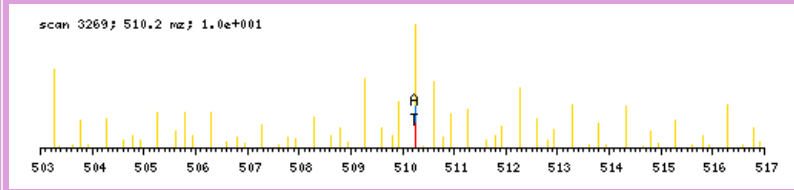
N-term:+29.04

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

VEVGPEDDEVGAER, MH+ 1528.7131, m/z 510.2425
L OS G13 P120811 220811-s1.03270.03270.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



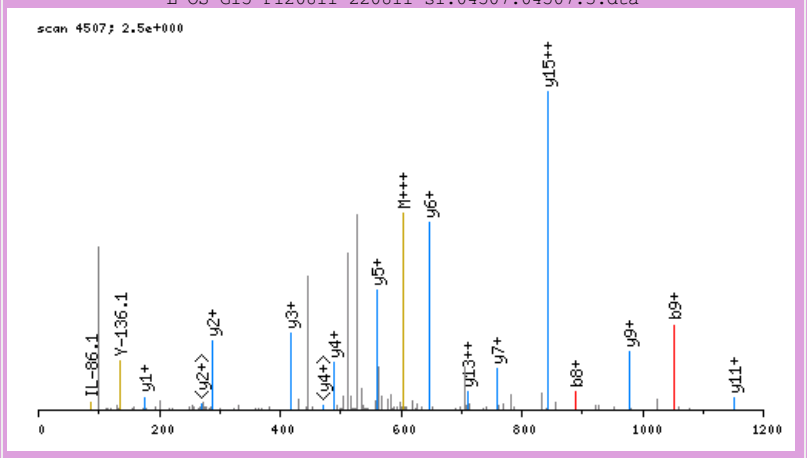
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

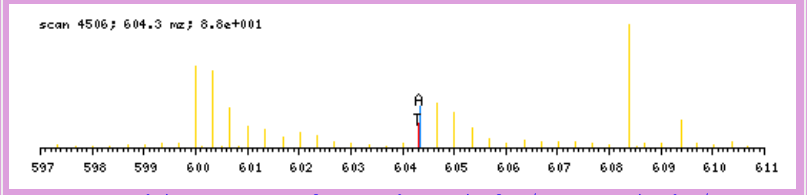
N-term:+29.04

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

VFDKDGNGYISAAELR, MH+ 1810.9340, m/z 604.3162
L OS G15 P120811 220811-s1.04507.04507.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



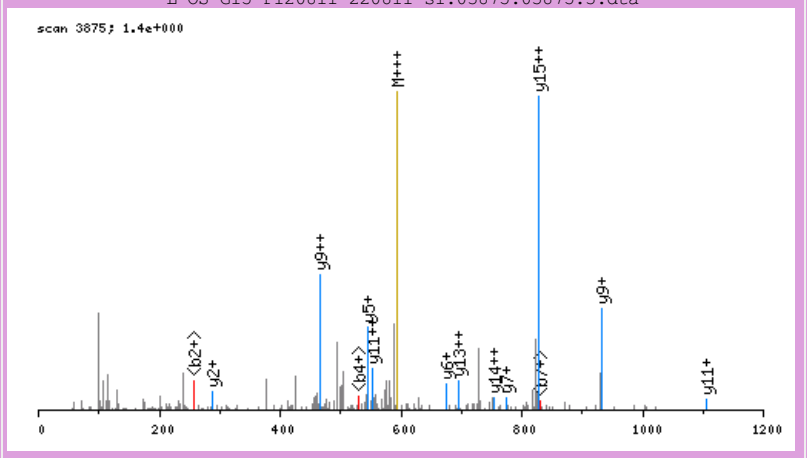
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
275.1759	2	F	15	1683.8343	**842.4210**
390.2029	3	D	14	1536.7658	768.8868
546.3292	4	K	13	1421.7389	**711.3734**
661.3561	5	D	12	1265.6126	633.3102
718.3776	6	G	11	**1150.5857**	575.7967
832.4205	7	N	10	1093.5642	547.2860
889.4420	8	G	9	**979.5213**	490.2645
1052.5053	9	Y	8	922.4998	461.7538
1165.5894	10	I	7	**759.4365**	380.2222
1252.6214	11	S	6	**646.3524**	323.6801
1323.6585	12	A	5	**559.3204**	280.1641
1394.6956	13	A	4	**488.2833**	244.6455
1523.7382	14	E	3	**417.2462**	209.1270
1636.8223	15	L	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

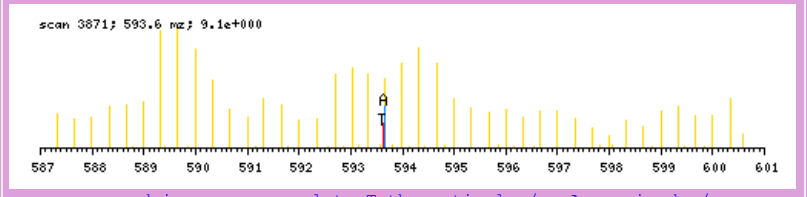
N-term:+29.04 K(4):+156.13

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

VFDKEGNGTVMGAELR, MH+ 1778.9111, m/z 593.6419
L OS G15 P120811 220811-s1.03875.03875.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



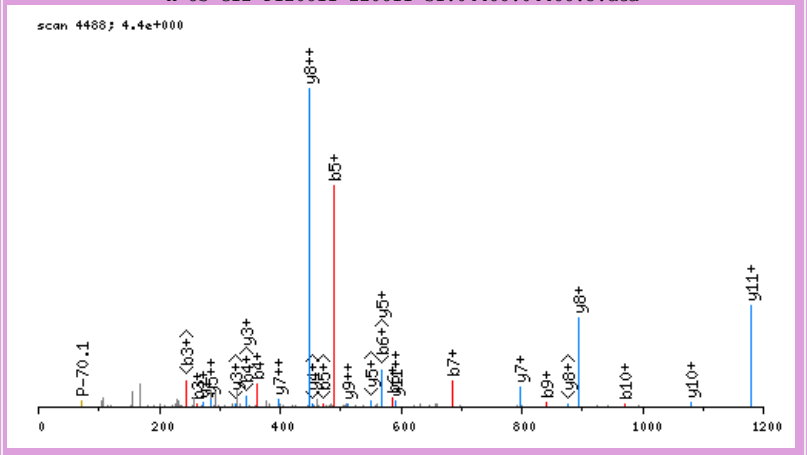
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
275.1759	2	F	15	1651.8114	**826.4096**
390.2029	3	D	14	1504.7430	**752.8754**
546.3292	4	K	13	1389.7161	**695.3619**
675.3718	5	E	12	1233.5898	617.2988
732.3932	6	G	11	**1104.5472**	**552.7775**
846.4362	7	N	10	1047.5257	524.2668
903.4576	8	G	9	**933.4828**	**467.2453**
1004.5053	9	T	8	876.4613	438.7346
1103.5737	10	V	7	**775.4136**	388.2107
1234.6142	11	M	6	**676.3452**	338.6765
1291.6357	12	G	5	**545.3047**	273.1563
1362.6728	13	A	4	488.2833	244.6455
1491.7154	14	E	3	417.2462	209.1270
1604.7994	15	L	2	**288.2036**	144.6057
	16	R	1	175.1195	88.0637

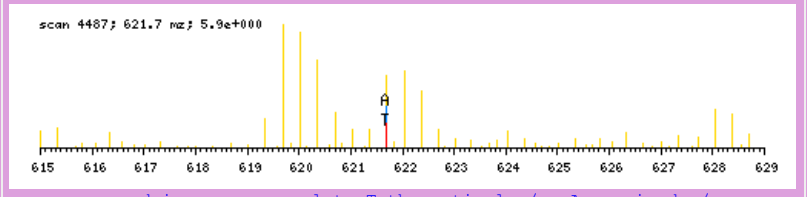
N-term:+29.04 K(4):+156.13

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

VGAVQPVPGMPPMPQAPR, MH+ 1863.0197, m/z 621.6781
H OS G12 P120811 220811-s1.04488.04488.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



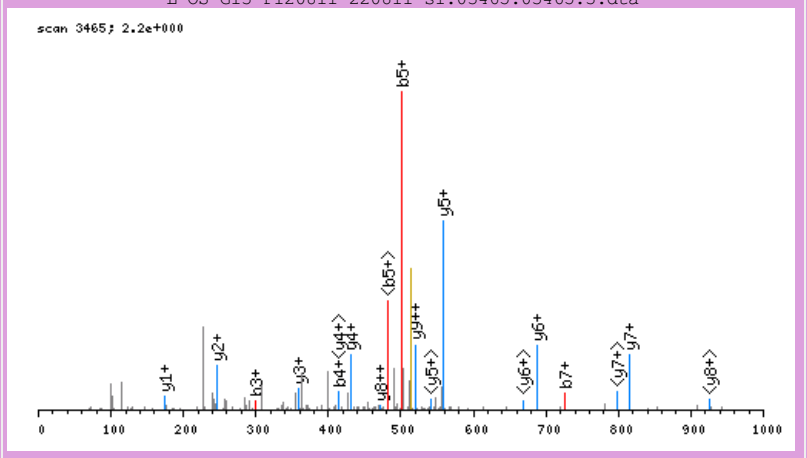
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

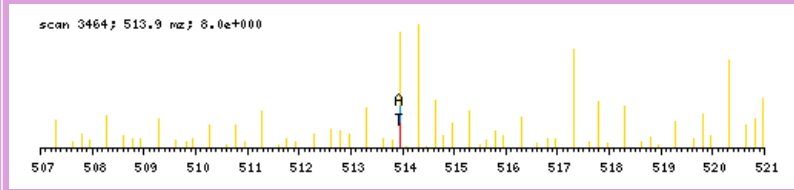
N-term:+35.07

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

VGDLSPQQQEALAR, MH+ 1539.8131, m/z 513.9425
L OS G13 P120811 220811-s1.03465.03465.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



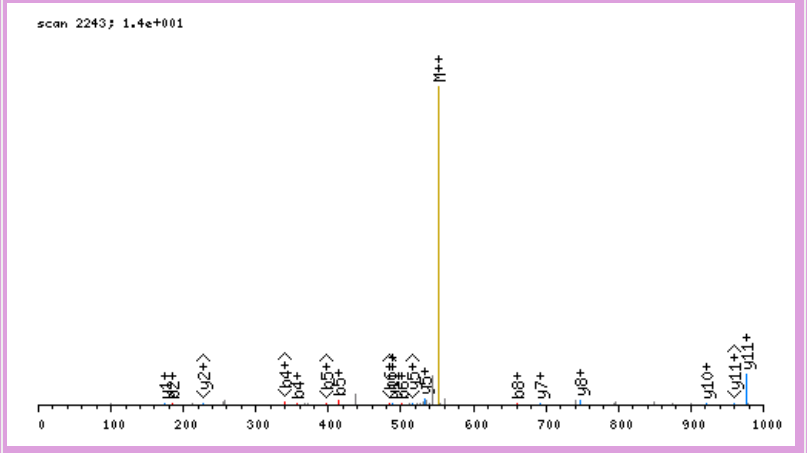
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
185.1290	2	G	13	1412.7134	706.8606
300.1559	3	D	12	1355.6919	678.3499
413.2400	4	L	11	1240.6650	620.8364
500.2720	5	S	10	1127.5809	564.2944
597.3248	6	P	9	1040.5489	**520.7784**
725.3834	7	Q	8	943.4961	**472.2520**
853.4419	8	Q	7	**815.4375**	408.2227
981.5005	9	Q	6	**687.3790**	344.1934
1110.5431	10	E	5	**559.3204**	280.1641
1181.5802	11	A	4	**430.2778**	215.6428
1294.6643	12	L	3	**359.2407**	180.1243
1365.7014	13	A	2	**246.1566**	123.5822
	14	R	1	**175.1195**	88.0637

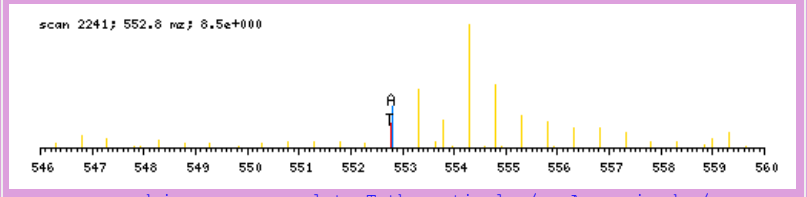
N-term:+29.04

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

VGGDGSASEAAR, MH+ 1104.5285, m/z 552.7679
L OS G14 P120811 220811-s1.02243.02243.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



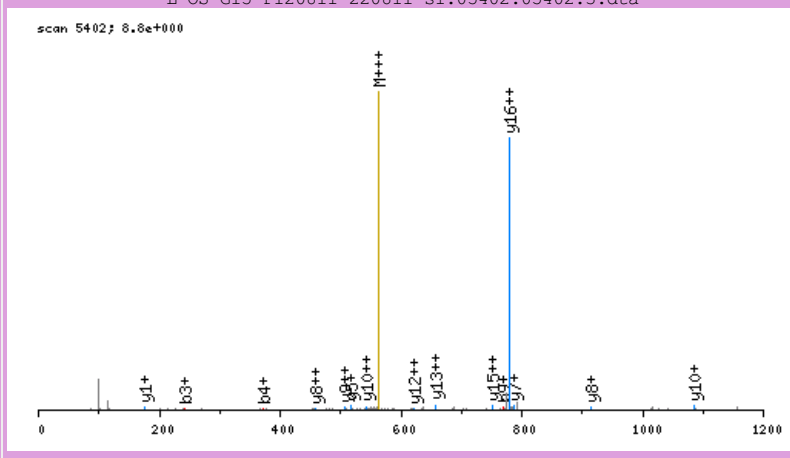
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
185.1290	2	G	11	**977.4288**	**489.2183**
242.1504	3	G	10	**920.4074**	460.7076
357.1774	4	D	9	863.3859	432.1969
414.1988	5	G	8	**748.3590**	374.6834
501.2309	6	S	7	**691.3375**	346.1727
572.2680	7	A	6	604.3055	302.6566
659.3000	8	S	5	**533.2683**	267.1381
788.3426	9	E	4	446.2363	223.6221
859.3797	10	A	3	317.1937	159.1008
930.4168	11	A	2	246.1566	123.5822
	12	R	1	**175.1195**	88.0637

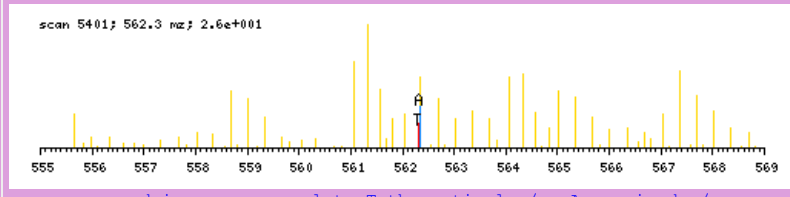
N-term:+29.04

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

VGGEASAAVEKLVSGVR, MH+ 1684.9598, m/z 562.3248
L OS G15 P120811 220811-s1.05402.05402.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



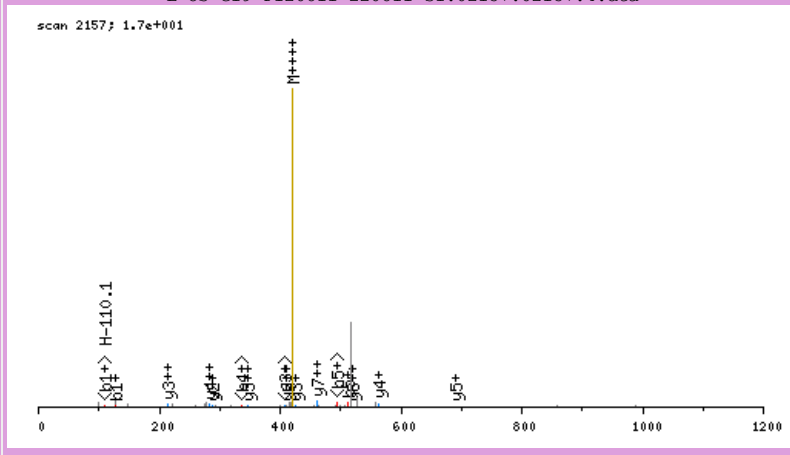
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
185.1290	2	G	16	1557.8601	**779.4340**
242.1504	3	G	15	1500.8386	**750.9232**
371.1930	4	E	14	1443.8172	722.4125
442.2301	5	A	13	1314.7746	**657.8912**
529.2622	6	S	12	1243.7374	**622.3726**
600.2993	7	A	11	1156.7054	578.8566
671.3364	8	A	10	**1085.6683**	**543.3381**
770.4048	9	V	9	1014.6312	**507.8195**
899.4474	10	E	8	**915.5628**	**458.2853**
1055.5737	11	K	7	**786.5202**	393.7640
1168.6578	12	L	6	630.3939	315.7009
1267.7262	13	V	5	**517.3098**	259.1588
1354.7582	14	S	4	418.2414	209.6246
1411.7797	15	G	3	331.2094	166.1086
1510.8481	16	V	2	274.1879	137.5979
	17	R	1	**175.1195**	88.0637

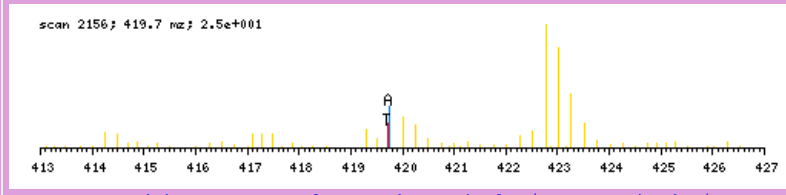
N-term:+29.04 K(11):+156.13

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

VGGIKEDTEEHHLR, MH+ 1675.8768, m/z 419.7246
L OS G19 P120811 220811-s1.02157.02157.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



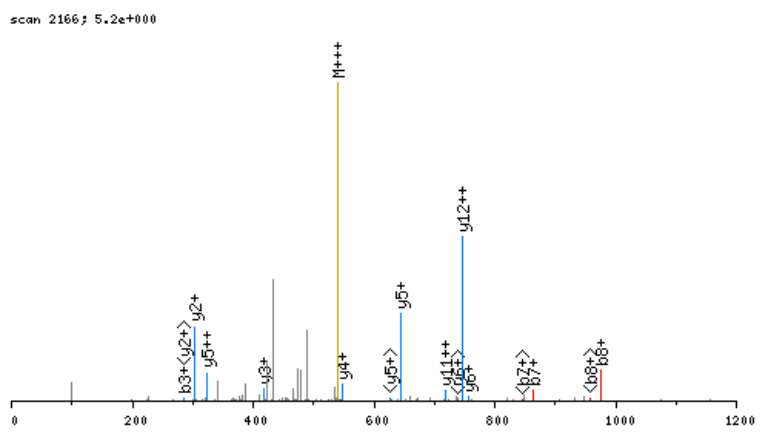
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

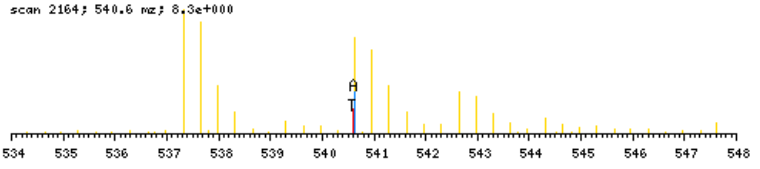
N-term:+29.04 K(5):+156.13

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

VGTKCCTLPEDQR, MH+ 1619.7885, m/z 540.6010
L OS G13 P120811 220811-s1.02166.02166.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



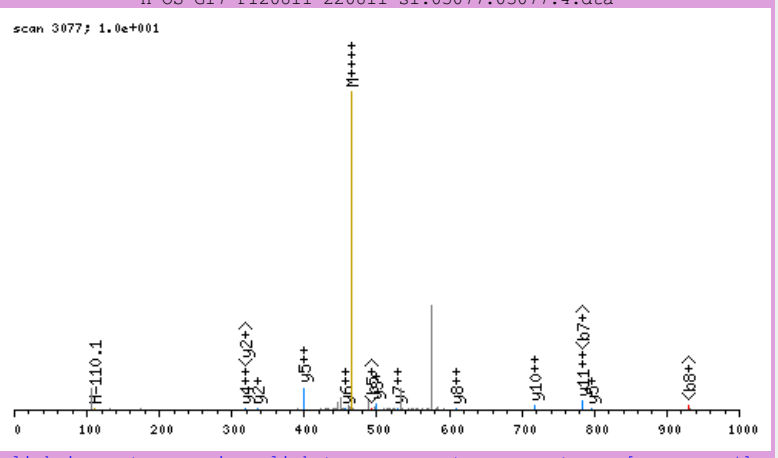
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

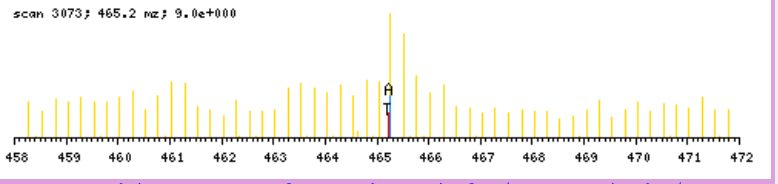
N-term:+29.04 K(4):+156.13
C(5):+160.03 C(6):+160.03

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

VGTMSEKFDCHYCR, MH+ 1857.8721, m/z 465.2235
H OS G17 P120811 220811-s1.03077.03077.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



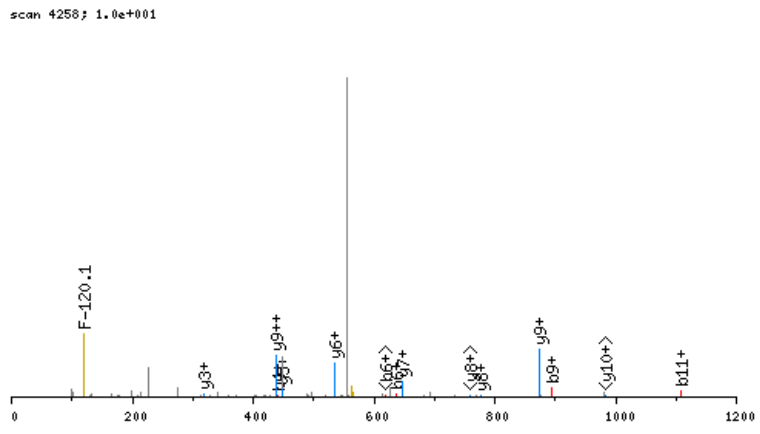
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
191.1608	2	G	13	1724.7406	862.8742
292.2085	3	T	12	1667.7192	834.3635
423.2489	4	M	11	1566.6715	**783.8397**
510.2810	5	S	10	1435.6310	**718.3194**
639.3236	6	E	9	1348.5990	674.8034
801.4817	7	K	8	1219.5564	**610.2821**
948.5501	8	F	7	1057.3983	**529.2031**
1063.5770	9	D	6	910.3299	**455.6689**
1223.6076	10	C	5	**795.3029**	**398.1554**
1360.6665	11	H	4	635.2723	**318.1401**
1523.7299	12	Y	3	**498.2134**	249.6106
1683.7605	13	C	2	**335.1501**	168.0790
	14	R	1	175.1195	88.0637

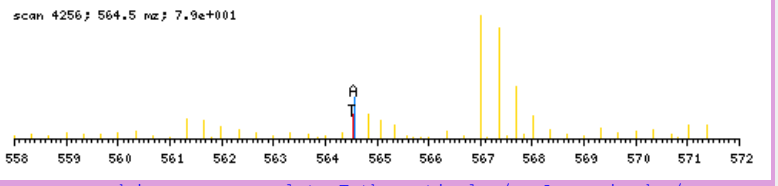
N-term:+35.07 K(7):+162.16
C(10):+160.03 C(13):+160.03

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

VGVKPVGSDPDFQPELSGAGSR, MH+ 2255.1672, m/z 564.5473
L OS G15 P120811 220811-s1.04258.04258.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



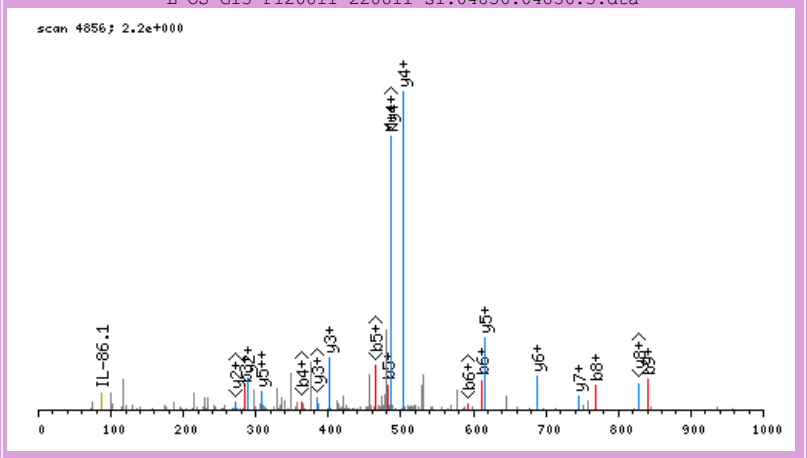
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

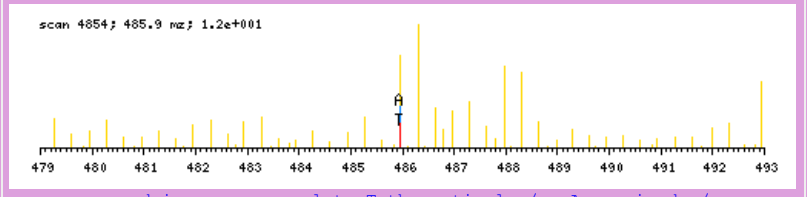
N-term:+29.04 K(4):+156.13

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 G13 P120811 220811-s1.04856.04856.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



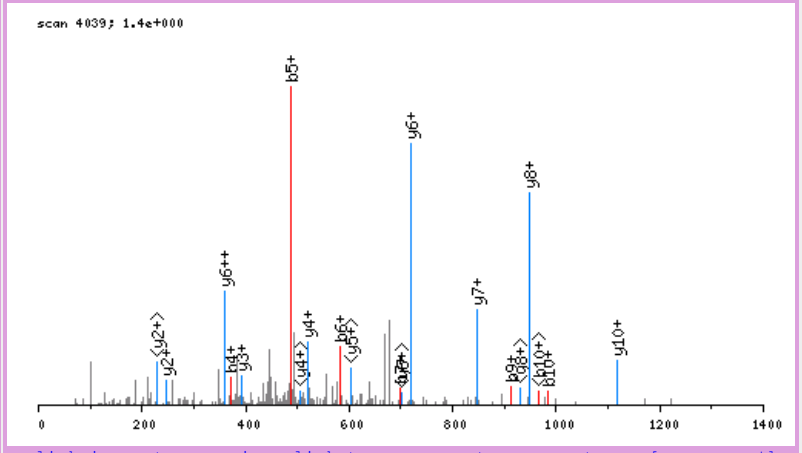
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

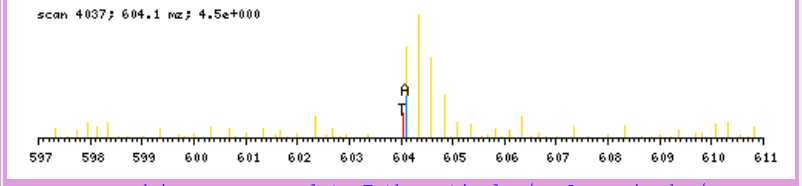
N-term:+29.04

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

VGVSDPNSQAGQQGLVEPTQFAR, MH+ 2413.2112, m/z 604.0582
L OS G12 P120811 220811-s1.04039.04039.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



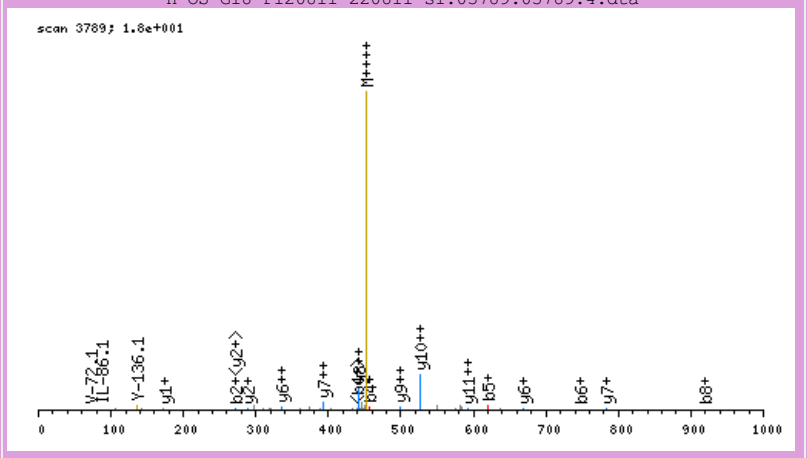
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
185.1290	2	G	22	2286.1115	1143.5596
284.1974	3	V	21	2229.0900	1115.0489
371.2294	4	S	20	2130.0216	1065.5147
486.2564	5	D	19	2042.9896	1021.9987
583.3091	6	P	18	1927.9626	964.4852
697.3521	7	N	17	1830.9098	915.9588
784.3841	8	S	16	1716.8669	858.9374
912.4427	9	Q	15	1629.8349	815.4214
983.4798	10	A	14	1501.7763	751.3921
1040.5012	11	G	13	1430.7392	715.8735
1168.5598	12	Q	12	1373.7177	687.3628
1296.6184	13	Q	11	1245.6592	623.3335
1353.6399	14	G	10	**1117.6006**	559.3042
1466.7239	15	L	9	1060.5791	530.7935
1565.7923	16	V	8	**947.4951**	474.2514
1694.8349	17	E	7	**848.4266**	424.7172
1791.8877	18	P	6	**719.3840**	**360.1959**
1892.9354	19	T	5	622.3313	311.6696
2020.9939	20	Q	4	**521.2836**	261.1457
2168.0624	21	F	3	**393.2250**	197.1164
2239.0995	22	A	2	**246.1566**	123.5822
	23	R	1	175.1195	88.0637

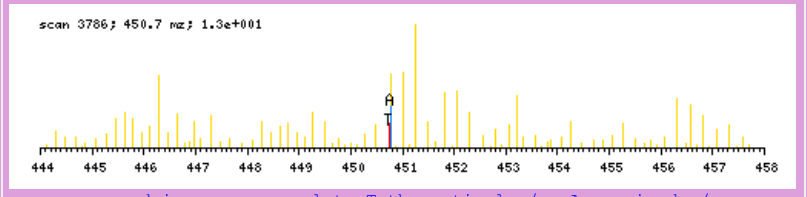
N-term:+29.04

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

VHEGYQGLVDGGEHIR, MH+ 1799.9252, m/z 450.7368
H OS G18 P120811 220811-s1.03789.03789.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



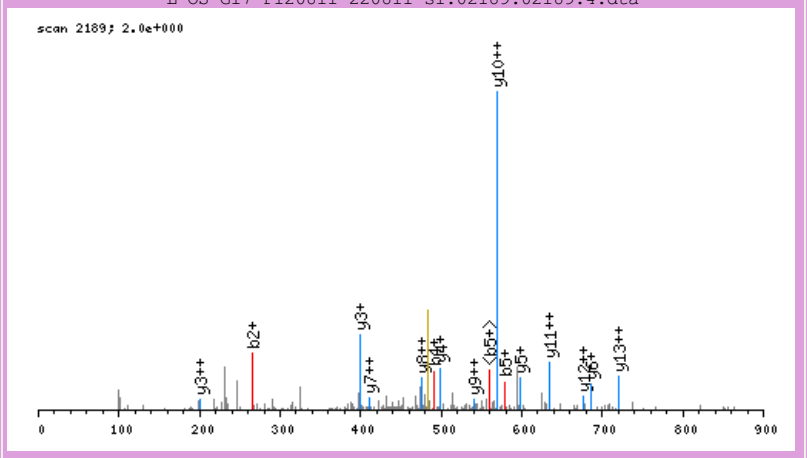
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
271.1982	2	H	15	1666.7938	833.9008
400.2408	3	E	14	1529.7348	765.3713
457.2623	4	G	13	1400.6923	700.8500
620.3256	5	Y	12	1343.6708	672.3393
748.3842	6	Q	11	1180.6075	**590.8076**
805.4057	7	G	10	1052.5489	**526.7784**
918.4897	8	L	9	995.5274	**498.2676**
1017.5581	9	V	8	882.4434	**441.7256**
1132.5851	10	D	7	**783.3749**	**392.1914**
1189.6065	11	G	6	**668.3480**	**334.6779**
1246.6280	12	G	5	611.3265	306.1672
1375.6706	13	E	4	554.3051	277.6564
1512.7295	14	H	3	425.2625	213.1352
1625.8136	15	I	2	**288.2036**	144.6057
	16	R	1	**175.1195**	88.0637

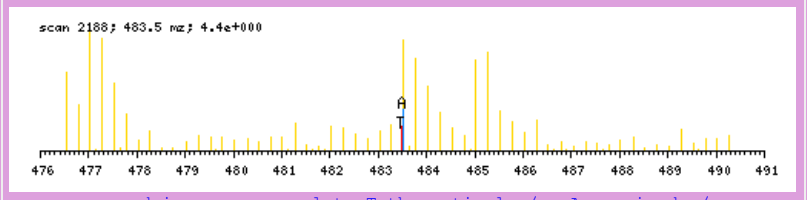
N-term:+35.07

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

VHPESSEGEEHSVVPQR, MH+ 1930.9259, m/z 483.4869
L OS G17 P120811 220811-s1.02189.02189.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



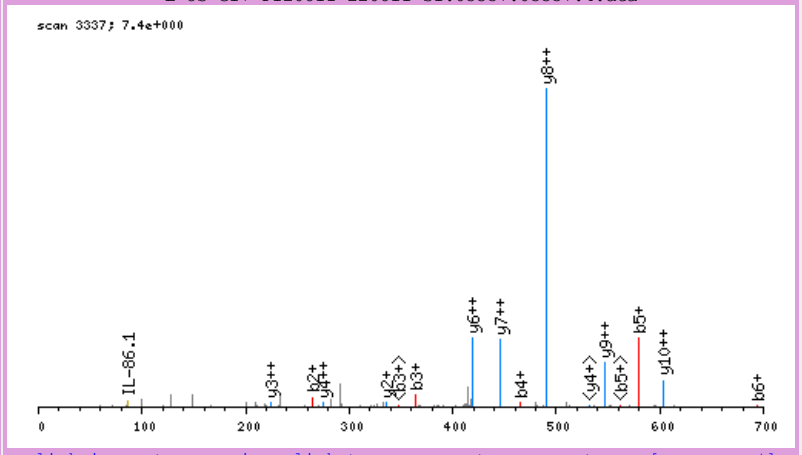
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

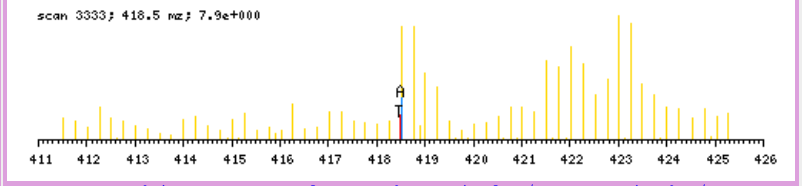
N-term:+29.04

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

VHVTDLSGKETICR, MH+ 1670.8899, m/z 418.4779
L OS G17 P120811 220811-s1.03337.03337.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



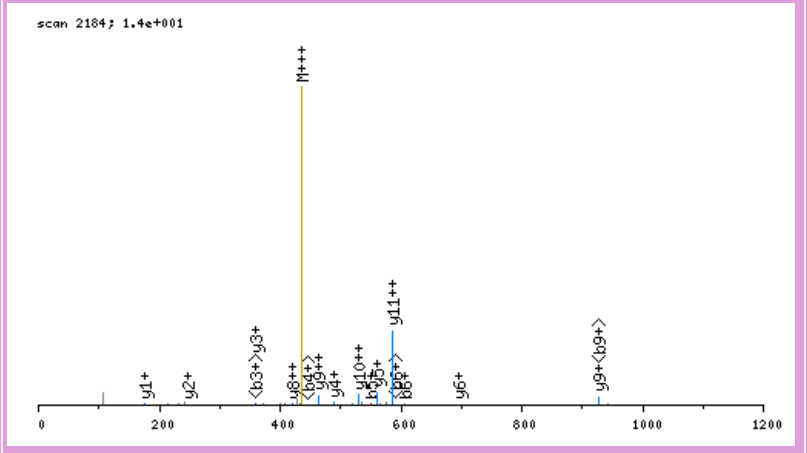
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

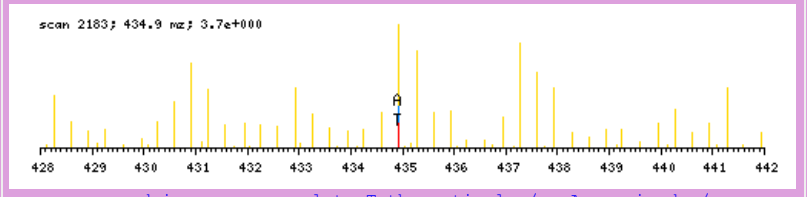
N-term:+29.04 K(9):+156.13
C(13):+160.03

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 G16 P120811 220811-s1.02184.02184.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



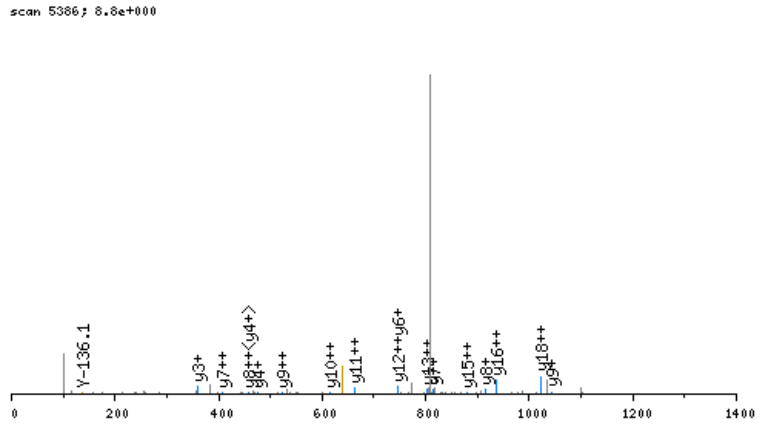
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

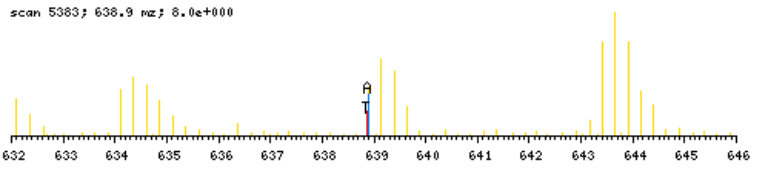
N-term:+35.07

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 G16 P120811 220811-s1.05386.05386.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



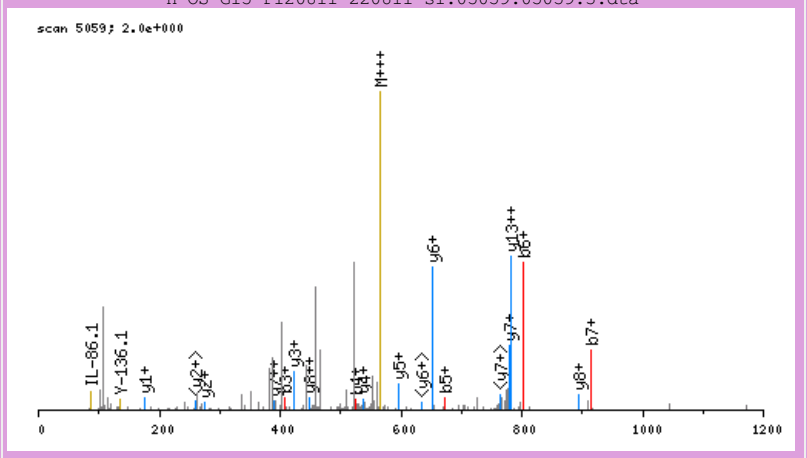
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

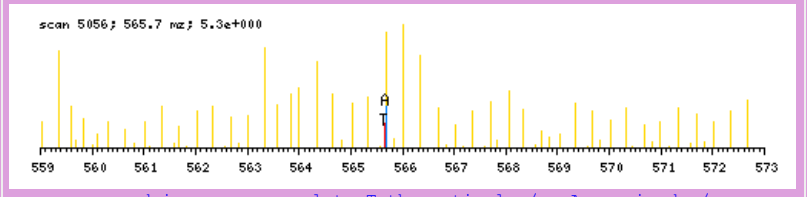
N-term:+29.04 K(5):+156.13
K(19):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VIKDFMIQGGDFTR, MH+ 1694.9576, m/z 565.6574
H OS G15 P120811 220811-s1.05059.05059.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



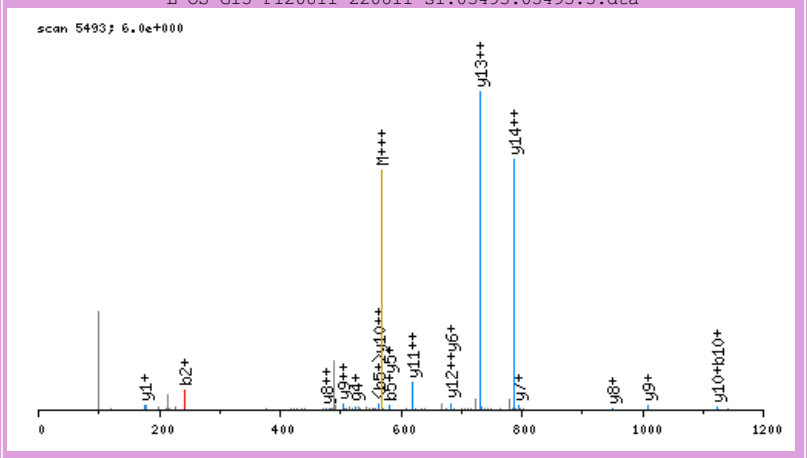
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
247.2234	2	I	13	1561.8261	**781.4170**
409.3815	3	K	12	1448.7420	724.8749
524.4084	4	D	11	1286.5839	643.7959
671.4768	5	F	10	1171.5570	586.2824
802.5173	6	M	9	1024.4886	512.7482
915.6014	7	I	8	**893.4481**	**447.2280**
1043.6600	8	Q	7	**780.3640**	**390.6859**
1100.6814	9	G	6	**652.3055**	326.6566
1157.7029	10	G	5	**595.2840**	298.1459
1272.7298	11	D	4	**538.2625**	269.6352
1419.7982	12	F	3	**423.2356**	212.1217
1520.8459	13	T	2	**276.1672**	138.5875
	14	R	1	**175.1195**	88.0637

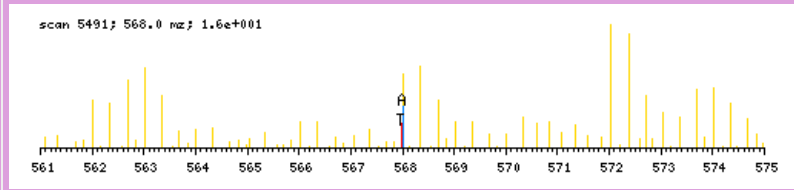
N-term:+35.07 K(3):+162.16

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

VIPELNGKLTGMAFR, MH+ 1701.9726, m/z 567.9957
L OS G15 P120811 220811-s1.05493.05493.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



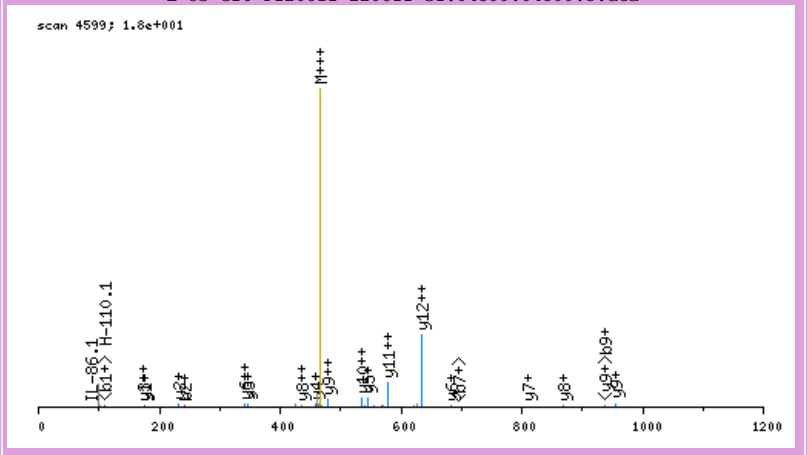
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

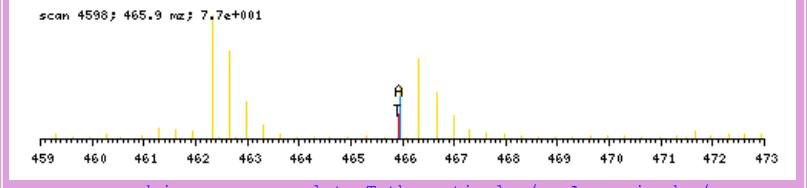
N-term:+29.04 K(8):+156.13

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

VISLSGEHSIIGR, MH+ 1395.7960, m/z 465.9368
L OS G16 P120811 220811-s1.04599.04599.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



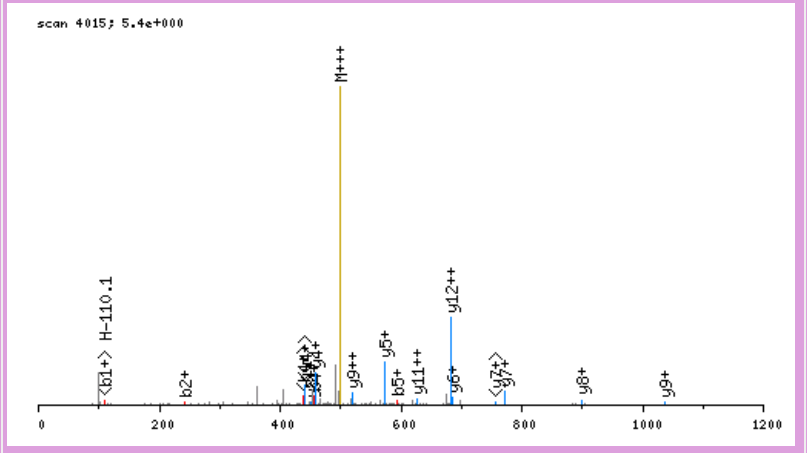
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
241.1916	2	I	12	1268.6963	634.8520
328.2236	3	S	11	1155.6122	578.3100
441.3077	4	L	10	1068.5802	534.7940
528.3397	5	S	9	955.4961	478.2520
585.3612	6	G	8	868.4641	434.7360
714.4038	7	E	7	811.4426	406.2252
851.4627	8	H	6	682.4000	341.7039
938.4947	9	S	5	545.3411	273.1745
1051.5788	10	I	4	458.3091	229.6585
1164.6628	11	I	3	345.2250	173.1164
1221.6843	12	G	2	232.1410	116.5744
	13	R	1	175.1195	88.0637

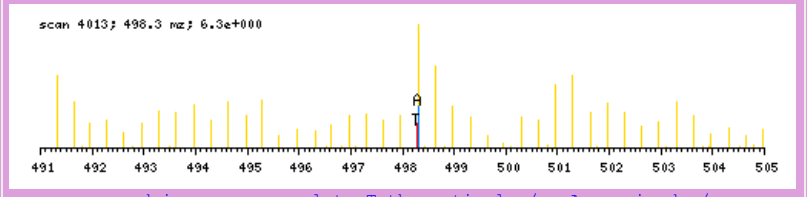
N-term:+29.04

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

VISQHQSLLGNIR, MH+ 1492.8600, m/z 498.2915
L OS G16 P120811 220811-s1.04015.04015.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



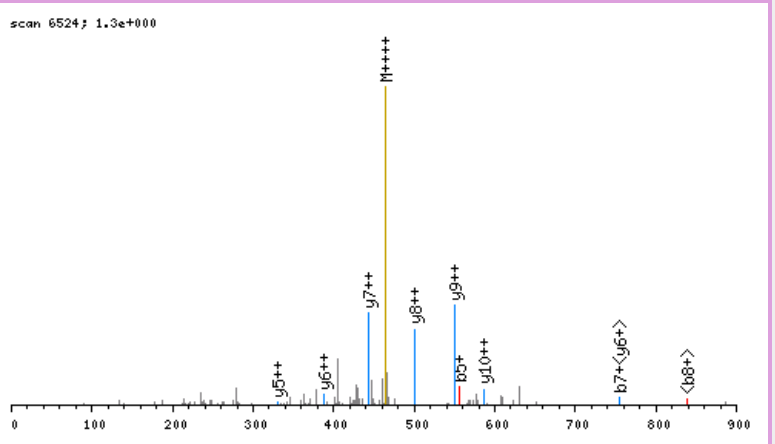
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

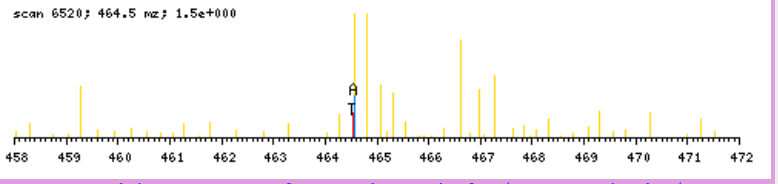
N-term:+29.04

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

VKGVDEATIIDILTKR, MH+ 1855.1269, m/z 464.5372
L OS G17 P120811 220811-s1.06524.06524.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



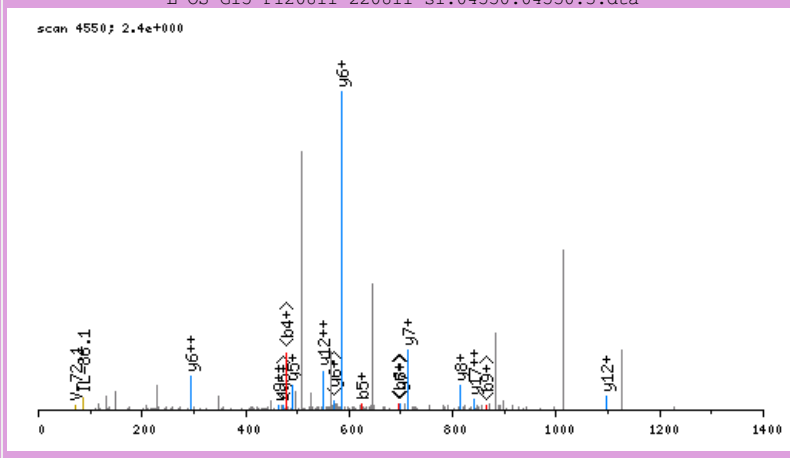
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
284.2338	2	K	15	1728.0272	864.5175
341.2553	3	G	14	1571.9009	786.4544
440.3237	4	V	13	1514.8794	757.9436
555.3506	5	D	12	1415.8110	708.4094
684.3932	6	E	11	1300.7841	650.8959
755.4303	7	A	10	1171.7415	**586.3746**
856.4780	8	T	9	1100.7044	**550.8561**
969.5621	9	I	8	999.6567	**500.3323**
1082.6461	10	I	7	886.5726	**443.7902**
1197.6731	11	D	6	773.4886	**387.2482**
1310.7572	12	I	5	658.4616	**329.7347**
1423.8412	13	L	4	545.3775	273.1927
1524.8889	14	T	3	432.2935	216.6507
1681.0152	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

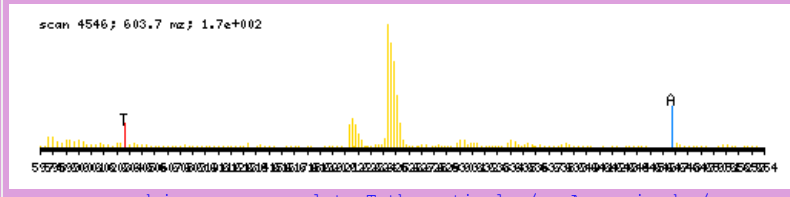
N-term:+29.04 K(2):+156.13
K(15):+156.13

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

VKLVESGGGLVQPGGSLR, MH+ 1809.0598, m/z 603.6915
L OS G15 P120811 220811-s1.04550.04550.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



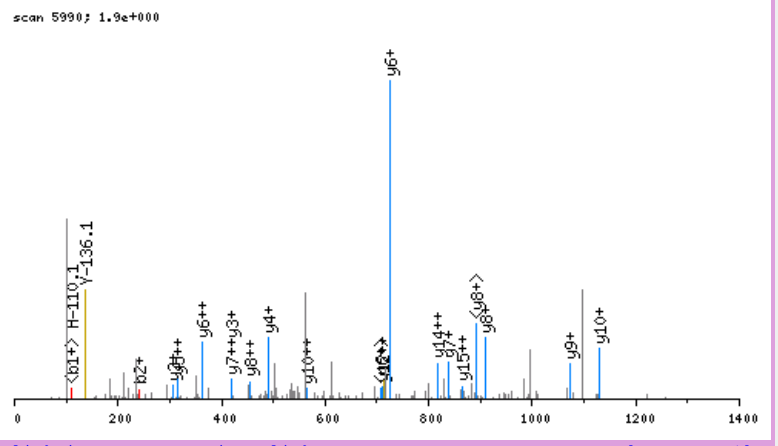
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
284.2338	2	K	17	1681.9601	**841.4840**
397.3179	3	L	16	1525.8338	763.4208
496.3863	4	V	15	1412.7498	706.8788
625.4289	5	E	14	1313.6814	657.3446
712.4609	6	S	13	1184.6388	592.8233
769.4824	7	G	12	**1097.6067**	**549.3073**
826.5038	8	G	11	1040.5853	520.7965
883.5253	9	G	10	983.5638	492.2858
996.6094	10	L	9	926.5423	**463.7751**
1095.6778	11	V	8	**813.4583**	407.2331
1223.7364	12	Q	7	**714.3899**	357.6988
1320.7891	13	P	6	**586.3313**	**293.6696**
1377.8106	14	G	5	**489.2785**	245.1432
1434.8321	15	G	4	432.2571	216.6324
1521.8641	16	S	3	375.2356	188.1217
1634.9481	17	L	2	288.2036	144.6057
	18	R	1	175.1195	88.0637

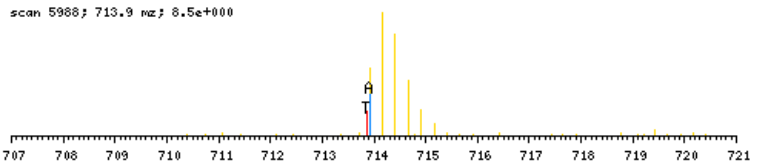
N-term:+29.04 K(2):+156.13

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

VLDSGDGVTHNVPIYEGYALPHAIMR, MH+ 2852.4405, m/z 713.8656
L OS G16 P120811 220811-s1.05990.05990.4.dta



click image to zoom in; click top corners to zoom out [precursor+]



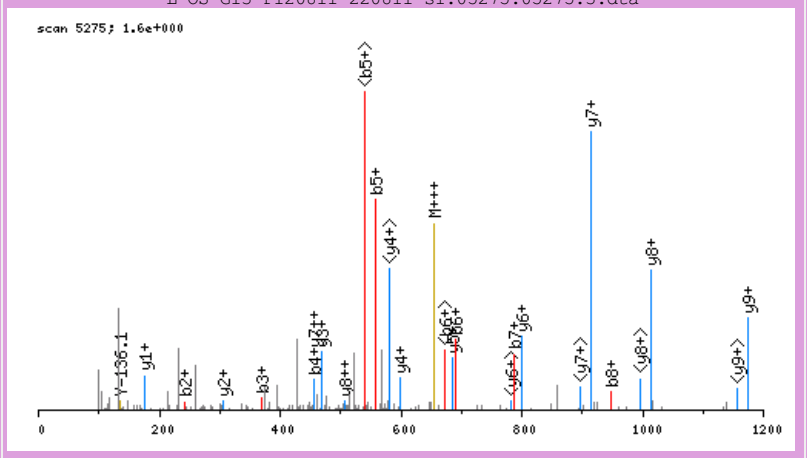
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	26		
241.1916	2	L	25	2725.3408	1363.1743
356.2185	3	D	24	2612.2567	1306.6323
443.2505	4	S	23	2497.2298	1249.1188
500.2720	5	G	22	2410.1978	1205.6028
615.2990	6	D	21	2353.1763	1177.0921
672.3204	7	G	20	2238.1494	1119.5786
771.3888	8	V	19	2181.1279	1091.0679
872.4365	9	T	18	2082.0595	1041.5337
1009.4954	10	H	17	1981.0118	991.0098
1123.5384	11	N	16	1843.9529	922.4804
1222.6068	12	V	15	1729.9100	**865.4589**
1319.6595	13	P	14	1630.8416	**815.9247**
1432.7436	14	I	13	1533.7888	767.3983
1595.8069	15	Y	12	1420.7047	**710.8563**
1724.8495	16	E	11	1257.6414	629.3246
1781.8710	17	G	10	**1128.5988**	**564.8033**
1944.9343	18	Y	9	**1071.5773**	536.2926
2015.9714	19	A	8	**908.5140**	**454.7609**
2129.0555	20	L	7	**837.4769**	**419.2424**
2226.1082	21	P	6	**724.3928**	**362.7003**
2363.1672	22	H	5	627.3401	**314.1740**
2434.2043	23	A	4	**490.2812**	245.6445
2547.2883	24	I	3	**419.2440**	210.1259
2678.3288	25	M	2	**306.1600**	153.5839
	26	R	1	175.1195	88.0637

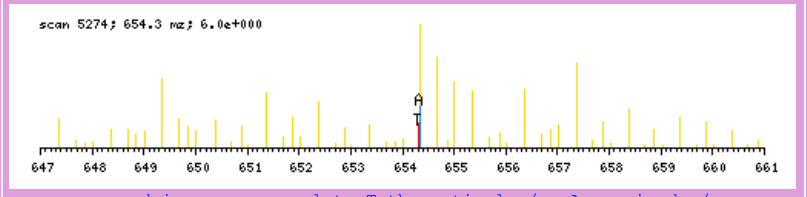
N-term:+29.04

VLESTMVCVDNSEYMR, MH+ 1960.8818, m/z 654.2988
L OS G13 P120811 220811-s1.05275.05275.3.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±]



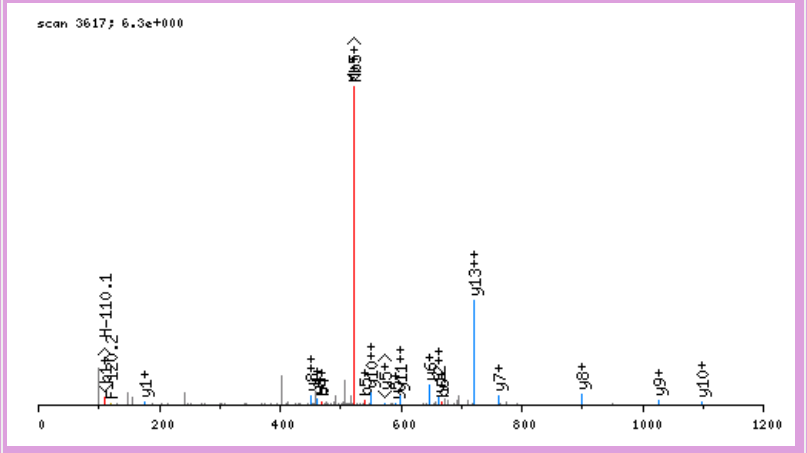
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
241.1916	2	L	15	1833.7821	917.3950
370.2342	3	E	14	1720.6980	860.8529
457.2662	4	S	13	1591.6554	796.3316
558.3139	5	T	12	1504.6234	752.8156
689.3544	6	M	11	1403.5757	702.2918
788.4228	7	V	10	1272.5352	636.7715
948.4534	8	C	9	1173.4668	587.2373
1047.5218	9	V	8	1013.4362	507.2220
1162.5487	10	D	7	914.3678	457.6878
1276.5917	11	N	6	799.3409	400.1743
1363.6237	12	S	5	685.2979	343.1529
1492.6663	13	E	4	598.2659	299.6369
1655.7296	14	Y	3	469.2233	235.1156
1786.7701	15	M	2	306.1600	153.5839
	16	R	1	175.1195	88.0637

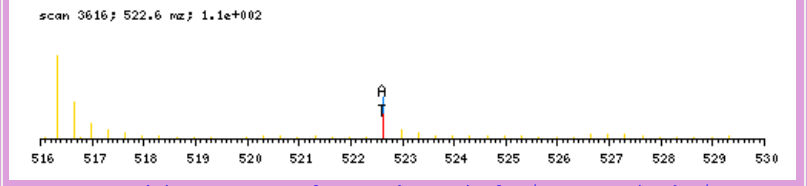
N-term:+29.04 C(8):+160.03

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

VLEVAQHLGESTVR, MH+ 1565.8651, m/z 522.6266
L OS G15 P120811 220811-s1.03617.03617.3.dta



click image to zoom in; 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	1438.7654	**719.8866**
370.2342	3	E	12	1325.6814	**663.3446**
469.3026	4	V	11	1196.6388	**598.8233**
540.3397	5	A	10	**1097.5703**	**549.2891**
668.3983	6	Q	9	**1026.5332**	513.7705
805.4572	7	H	8	**898.4747**	**449.7412**
918.5413	8	L	7	**761.4157**	381.2118
975.5627	9	G	6	**648.3317**	324.6698
1104.6053	10	E	5	**591.3102**	296.1590
1191.6373	11	S	4	**462.2676**	231.6377
1292.6850	12	T	3	375.2356	188.1217
1391.7534	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+]

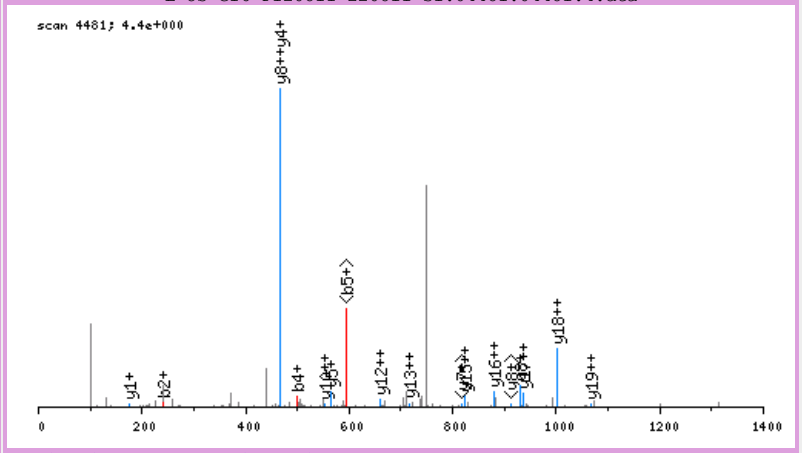
z [+] [2+] [3+]

hide H_2O/NH_3

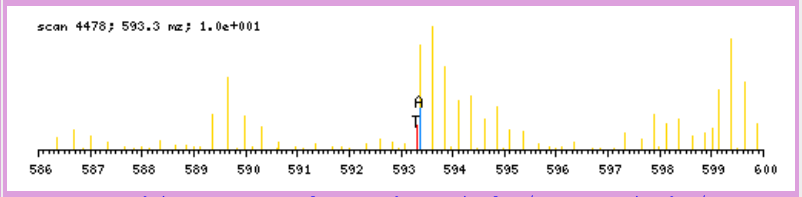
zoom 112-122

GO

VLQEILESDGKGDPNKPSGFR, MH+ 2370.2669, m/z 593.3222
L OS G16 P120811 220811-s1.04481.04481.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



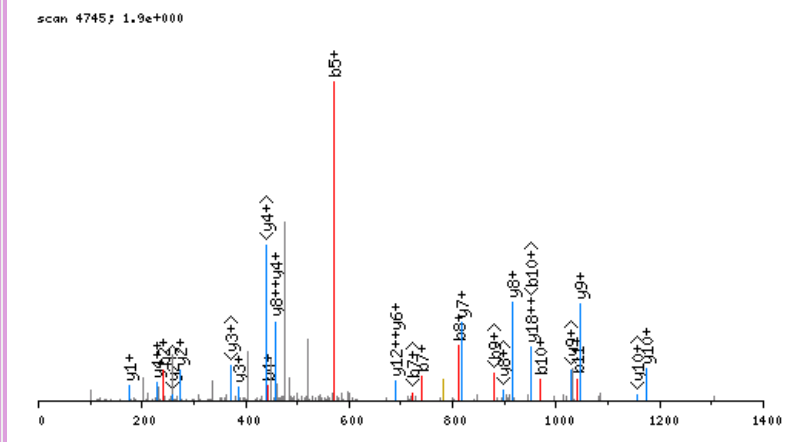
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

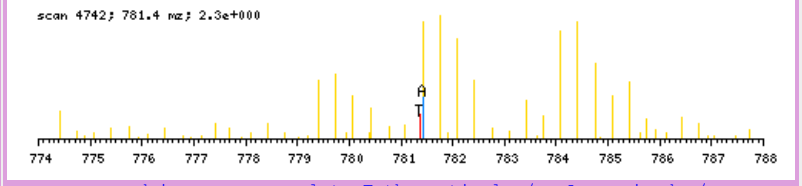
N-term:+29.04 K(11):+156.13
K(16):+156.13

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

VLSNEPAASAAEEEVEDDALVR, MH+ 2342.1363, m/z 781.3836
L OS G12 P120811 220811-s1.04745.04745.3.dta



click image to zoom in; click top corners to zoom out [precursor+]



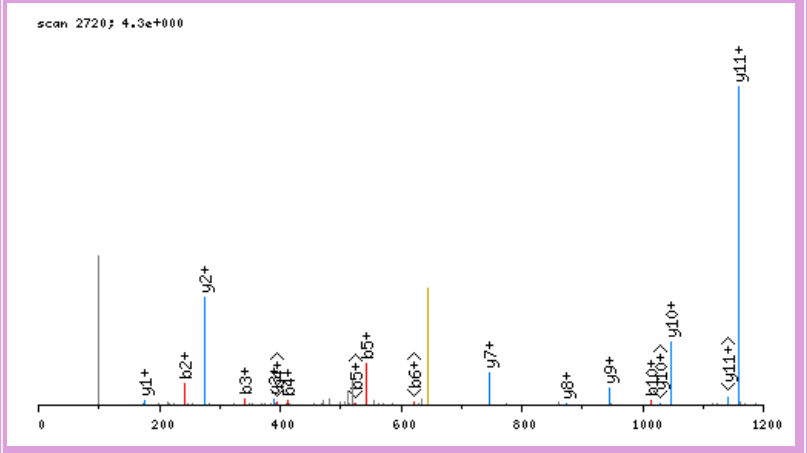
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	22		
241.1916	2	L	21	2215.0366	1108.0222
328.2236	3	S	20	2101.9526	1051.4802
442.2665	4	N	19	2014.9205	1007.9642
571.3091	5	E	18	1900.8776	**950.9427**
668.3619	6	P	17	1771.8350	886.4214
739.3990	7	A	16	1674.7822	837.8950
810.4361	8	A	15	1603.7451	802.3765
897.4681	9	S	14	1532.7080	766.8579
968.5053	10	A	13	1445.6760	723.3419
1039.5424	11	A	12	1374.6389	**687.8234**
1168.5850	12	E	11	1303.6018	652.3048
1297.6276	13	E	10	**1174.5592**	587.7835
1426.6702	14	E	9	**1045.5166**	523.2622
1525.7386	15	V	8	**916.4740**	**458.7409**
1654.7812	16	E	7	**817.4056**	409.2067
1769.8081	17	D	6	**688.3630**	344.6854
1884.8350	18	D	5	573.3360	287.1719
1955.8722	19	A	4	**458.3091**	**229.6585**
2068.9562	20	L	3	**387.2720**	194.1399
2168.0246	21	V	2	**274.1879**	137.5979
	22	R	1	**175.1195**	88.0637

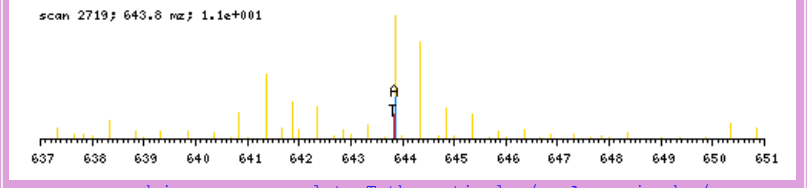
N-term:+29.04

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

VLTAEPSGDDVR, MH+ 1286.6592, m/z 643.8332
L OS G13 P120811 220811-s1.02720.02720.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



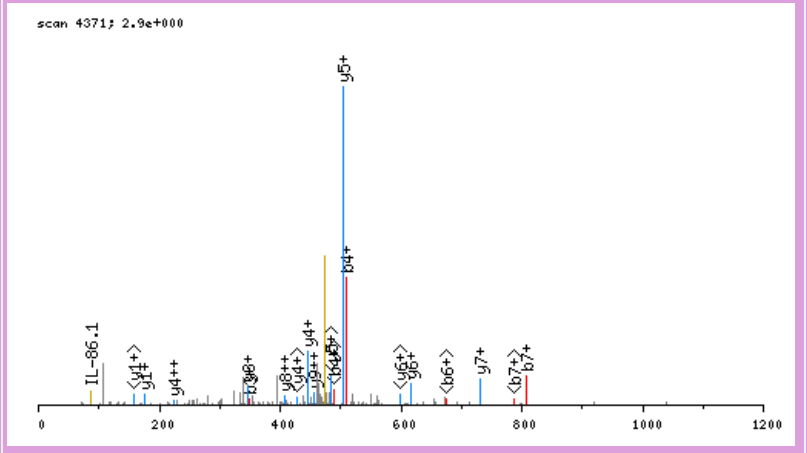
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
241.1916	2	L	11	1159.5595	580.2837
342.2393	3	T	10	1046.4754	523.7416
413.2764	4	A	9	945.4278	473.2178
542.3190	5	E	8	874.3907	437.6992
639.3717	6	P	7	745.3481	373.1779
726.4038	7	S	6	648.2953	324.6516
783.4252	8	G	5	561.2633	281.1355
898.4522	9	D	4	504.2418	252.6248
1013.4791	10	D	3	389.2149	195.1113
1112.5475	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

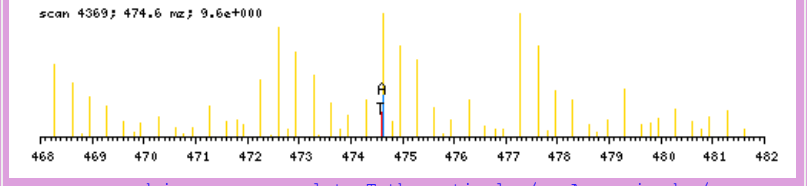
N-term:+29.04

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

VLTCPSNLGTGLR, MH+ 1421.7998, m/z 474.6048
H OS G13 P120811 220811-s1.04371.04371.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



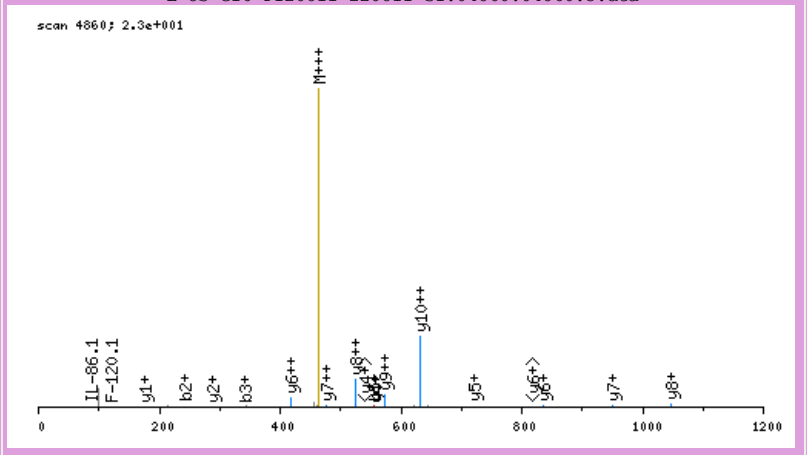
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

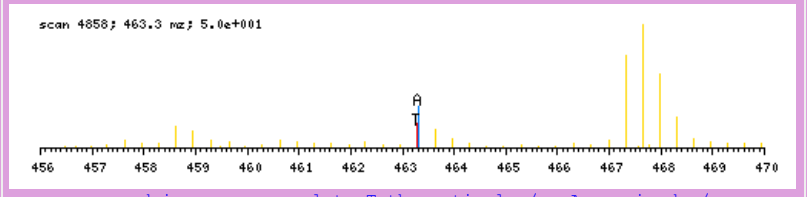
N-term:+35.07 C(4):+160.03

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+ 1387.8313, m/z 463.2820
L OS G16 P120811 220811-s1.04860.04860.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



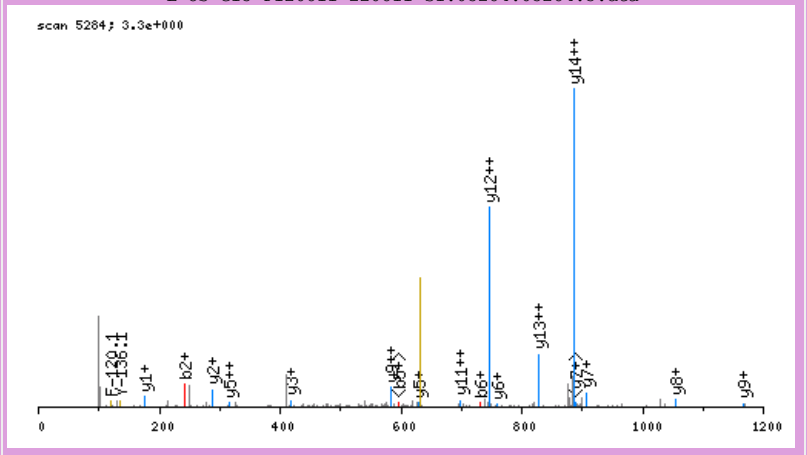
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	11		
241.1916	2	L	10	1260.7316	630.8697
342.2393	3	T	9	1147.6476	574.3277
439.2920	4	P	8	1046.5999	523.8039
554.3190	5	D	7	949.5471	475.2775
667.4030	6	L	6	834.5202	417.7640
830.4664	7	Y	5	721.4361	361.2220
944.5093	8	N	4	558.3728	279.6903
1100.6356	9	K	3	444.3299	222.6688
1213.7196	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

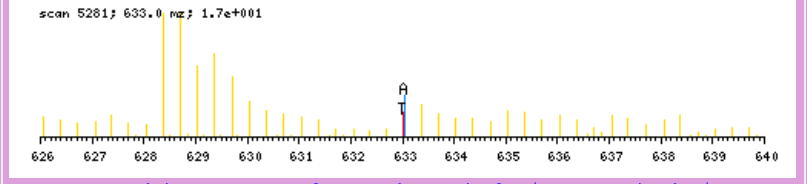
N-term:+29.04 K(9):+156.13

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

VLYPNDNFFEGKELR, MH+ 1896.9860, m/z 633.0002
L OS G15 P120811 220811-s1.05284.05284.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



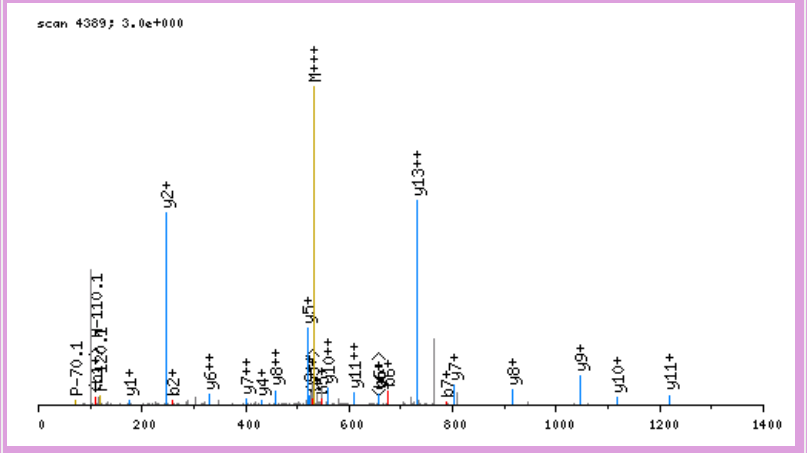
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
241.1916	2	L	14	1769.8863	**885.4471**
404.2549	3	Y	13	1656.8022	**828.9050**
501.3077	4	P	12	1493.7389	**747.3734**
615.3506	5	N	11	1396.6861	**698.8470**
730.3775	6	D	10	1282.6432	641.8255
844.4205	7	N	9	**1167.6163**	**584.3120**
991.4889	8	F	8	**1053.5733**	527.2906
1138.5573	9	F	7	**906.5049**	453.7564
1267.5999	10	E	6	**759.4365**	380.2222
1324.6214	11	G	5	**630.3939**	**315.7009**
1480.7477	12	K	4	573.3725	287.1901
1609.7902	13	E	3	**417.2462**	209.1270
1722.8743	14	L	2	**288.2036**	144.6057
	15	R	1	**175.1195**	88.0637

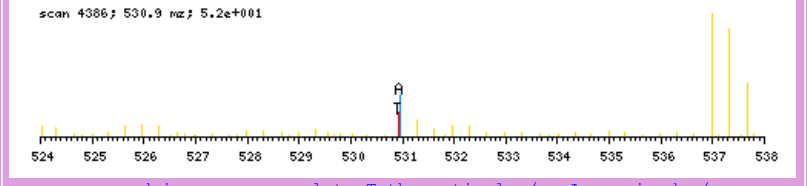
N-term:+29.04 K(12):+156.13

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

VMDTAEIFHSADAR, MH+ 1590.7586, m/z 530.9244
L OS G15 P120811 220811-s1.04389.04389.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



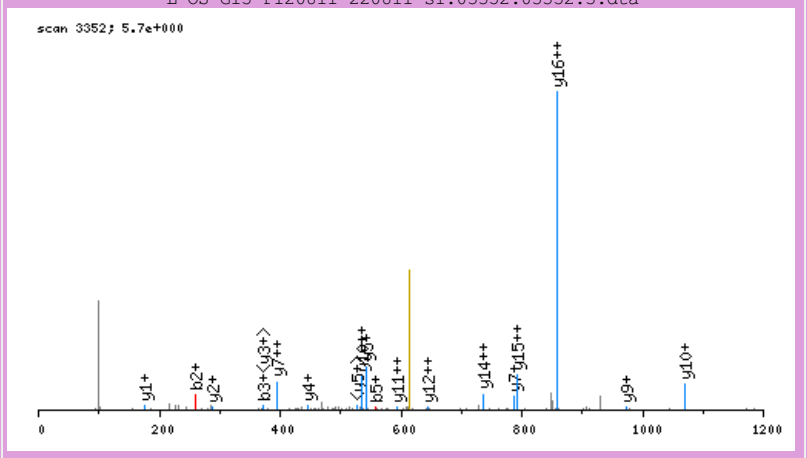
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
259.1480	2	M	13	1463.6589	732.3334
374.1749	3	D	12	1332.6184	666.8131
475.2226	4	T	11	1217.5915	609.2997
546.2597	5	A	10	1116.5438	558.7758
675.3023	6	E	9	1045.5067	523.2573
788.3864	7	I	8	916.4641	458.7360
935.4548	8	F	7	803.3800	402.1939
1072.5137	9	H	6	656.3116	328.6597
1159.5457	10	S	5	519.2527	260.1303
1230.5829	11	A	4	432.2207	216.6142
1345.6098	12	D	3	361.1836	181.0957
1416.6469	13	A	2	246.1566	123.5822
	14	R	1	175.1195	88.0637

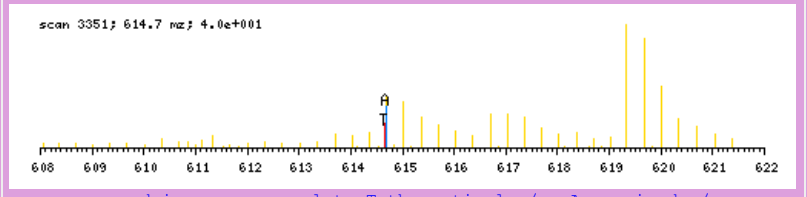
N-term:+29.04

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

VMLGETNPADSKPGTIR, MH+ 1841.9795, m/z 614.6647
L OS G15 P120811 220811-s1.03352.03352.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



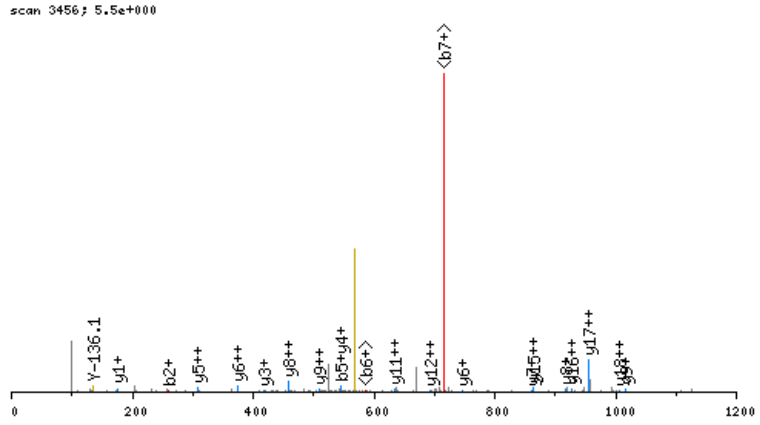
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	17		
259.1480	2	M	16	1714.8798	857.9438
372.2321	3	L	15	1583.8393	792.4236
429.2535	4	G	14	1470.7553	735.8816
558.2961	5	E	13	1413.7338	707.3708
659.3438	6	T	12	1284.6912	642.8495
773.3867	7	N	11	1183.6435	592.3257
870.4395	8	P	10	1069.6006	535.3042
941.4766	9	A	9	972.5479	486.7778
1056.5035	10	D	8	901.5107	451.2593
1143.5356	11	S	7	786.4838	393.7458
1299.6619	12	K	6	699.4518	350.2298
1396.7146	13	P	5	543.3255	272.1666
1453.7361	14	G	4	446.2727	223.6403
1554.7838	15	T	3	389.2512	195.1295
1667.8678	16	I	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

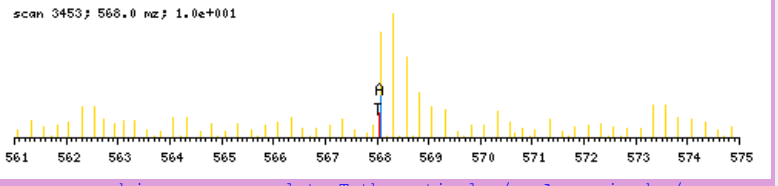
N-term:+29.04 K(12):+156.13

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

VMVGMGQKDSYVGDEAQSKR, MH+ 2269.1321, m/z 568.0385
L OS G17 P120811 220811-s1.03456.03456.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



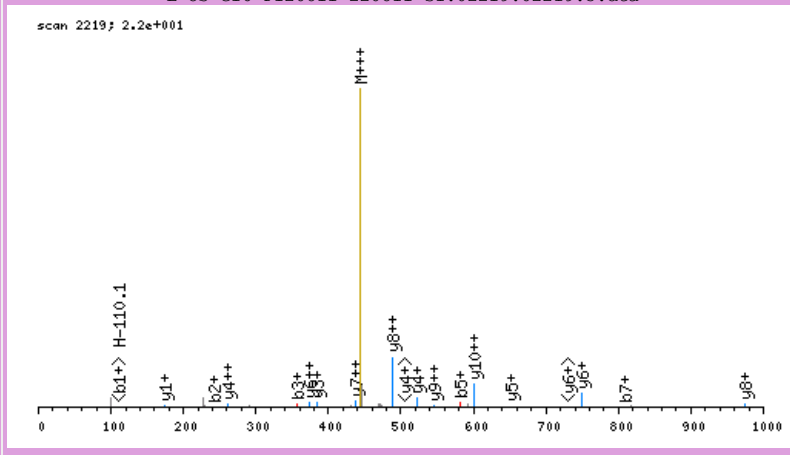
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	20		
259.1480	2	M	19	2142.0324	1071.5201
358.2164	3	V	18	2010.9919	**1005.9999**
415.2379	4	G	17	1911.9235	**956.4657**
546.2784	5	M	16	1854.9021	**927.9549**
603.2998	6	G	15	1723.8616	**862.4347**
731.3584	7	Q	14	1666.8401	833.9240
887.4847	8	K	13	1538.7815	769.8947
1002.5116	9	D	12	1382.6552	**691.8315**
1089.5437	10	S	11	1267.6283	**634.3181**
1252.6070	11	Y	10	1180.5963	590.8020
1351.6754	12	V	9	**1017.5329**	**509.2704**
1408.6969	13	G	8	**918.4645**	**459.7362**
1523.7238	14	D	7	**861.4431**	431.2254
1652.7664	15	E	6	**746.4161**	**373.7120**
1723.8035	16	A	5	617.3735	**309.1907**
1851.8621	17	Q	4	**546.3364**	273.6721
1938.8941	18	S	3	**418.2778**	209.6428
2095.0204	19	K	2	331.2458	166.1268
	20	R	1	**175.1195**	88.0637

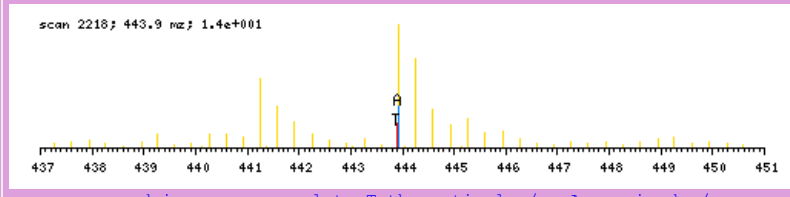
N-term:+29.04 K(8):+156.13
K(19):+156.13

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

VNDPQPEHPLR, MH+ 1329.6915, m/z 443.9020
L OS G16 P120811 220811-s1.02219.02219.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



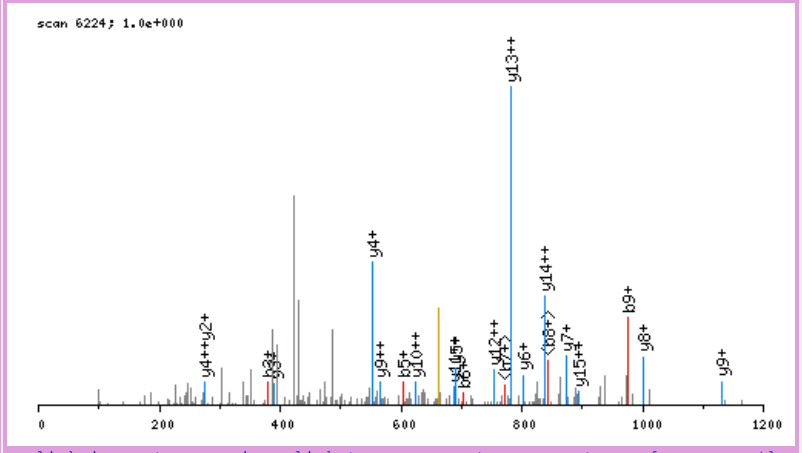
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	11		
242.1504	2	N	10	1202.5918	601.7998
357.1774	3	D	9	1088.5489	544.7784
454.2301	4	P	8	973.5219	487.2649
582.2887	5	Q	7	876.4692	438.7385
679.3415	6	P	6	748.4106	374.7092
808.3841	7	E	5	651.3578	326.1828
945.4430	8	H	4	522.3152	261.6615
1042.4958	9	P	3	385.2563	193.1321
1155.5798	10	L	2	288.2036	144.6057
	11	R	1	175.1195	88.0637

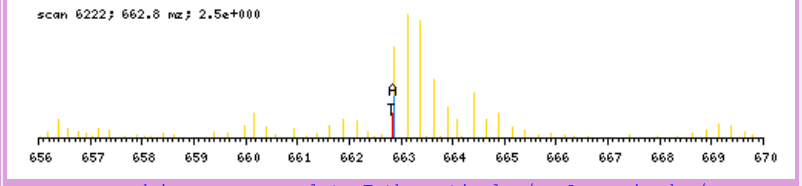
N-term:+29.04

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

VNHPQVSALLGEEDEEALHYLTR, MH+ 2648.3320, m/z 662.8385
L OS G16 P120811 220811-s1.06224.06224.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



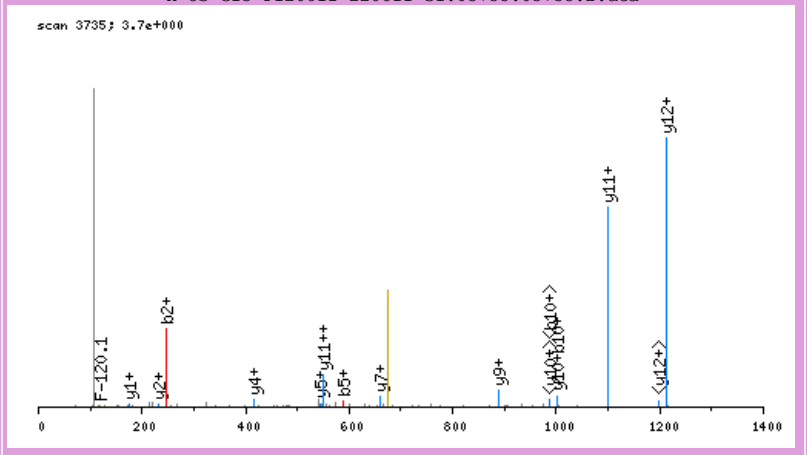
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	23		
242.1504	2	N	22	2521.2323	1261.1201
379.2094	3	H	21	2407.1894	1204.0986
476.2621	4	P	20	2270.1305	1135.5691
604.3207	5	Q	19	2173.0777	1087.0428
703.3891	6	V	18	2045.0191	1023.0135
790.4211	7	S	17	1945.9507	973.4793
861.4583	8	A	16	1858.9187	929.9633
974.5423	9	L	15	1787.8816	**894.4447**
1087.6264	10	L	14	1674.7975	**837.9027**
1144.6478	11	G	13	1561.7134	**781.3606**
1273.6904	12	E	12	1504.6920	**752.8499**
1402.7330	13	E	11	1375.6494	**688.3286**
1517.7600	14	D	10	1246.6068	**623.8073**
1646.8026	15	E	9	**1131.5798**	**566.2938**
1775.8452	16	E	8	**1002.5373**	501.7725
1846.8823	17	A	7	**873.4947**	437.2512
1959.9663	18	L	6	**802.4575**	401.7327
2097.0252	19	H	5	**689.3735**	345.1907
2260.0886	20	Y	4	**552.3146**	**276.6612**
2373.1726	21	L	3	**389.2512**	195.1295
2474.2203	22	T	2	**276.1672**	138.5875
	23	R	1	175.1195	88.0637

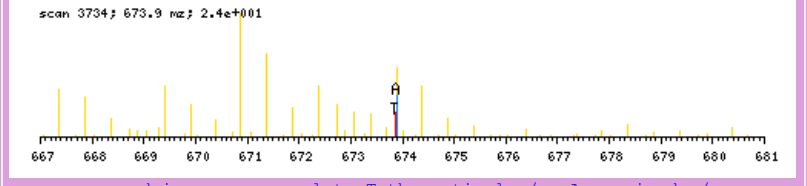
N-term:+29.04

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

VNPDEVGGEALGR, MH+ 1346.7128, m/z 673.8600
H OS G13 P120811 220811-s1.03735.03735.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



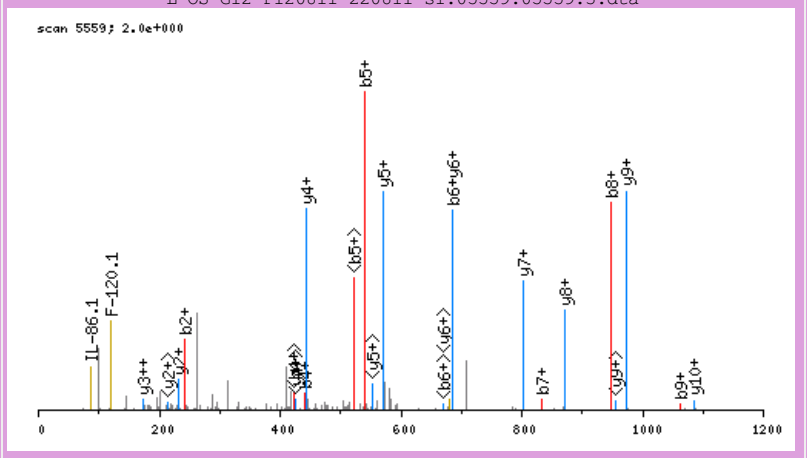
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

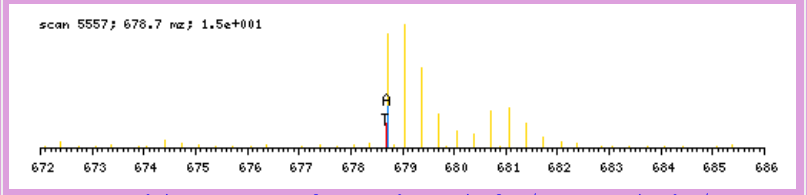
N-term:+35.07

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 678.6776
L OS G12 P120811 220811-s1.05559.05559.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



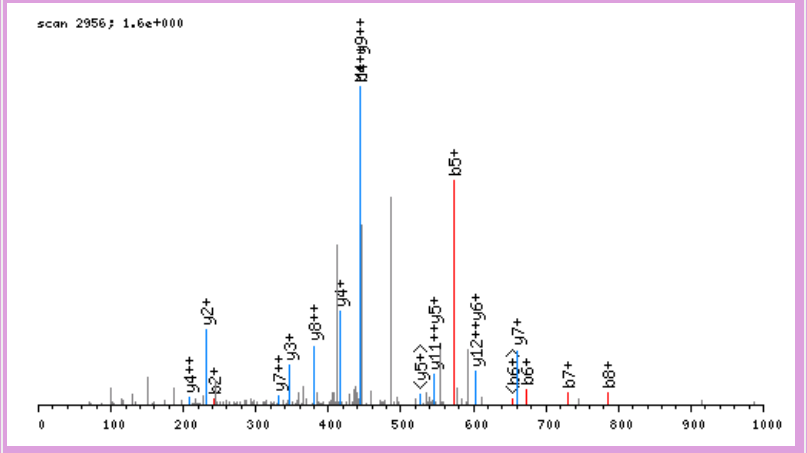
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

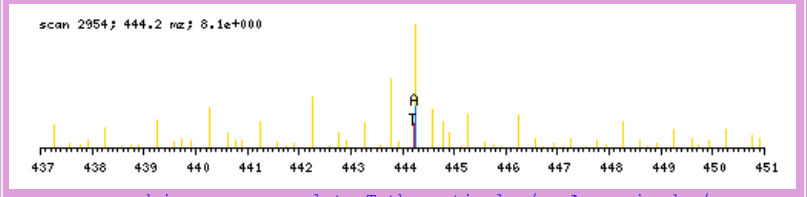
N-term:+29.04

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+ 1330.6603, m/z 444.2249
L OS G13 P120811 220811-s1.02956.02956.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



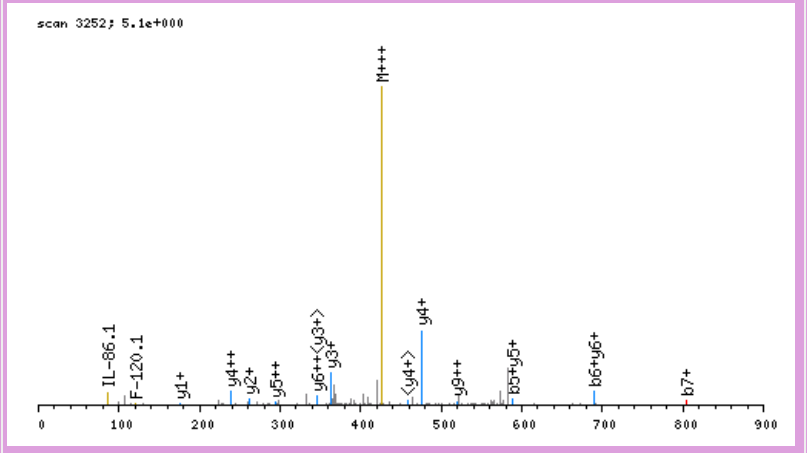
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	13		
242.1504	2	N	12	1203.5606	**602.2842**
329.1825	3	S	11	1089.5176	**545.2627**
444.2094	4	D	10	1002.4856	501.7467
573.2520	5	E	9	887.4587	**444.2332**
672.3204	6	V	8	758.4161	**379.7120**
729.3419	7	G	7	**659.3477**	**330.1777**
786.3633	8	G	6	**602.3262**	301.6670
915.4059	9	E	5	**545.3047**	273.1563
986.4431	10	A	4	**416.2621**	**208.6350**
1099.5271	11	L	3	**345.2250**	173.1164
1156.5486	12	G	2	**232.1410**	116.5744
	13	R	1	175.1195	88.0637

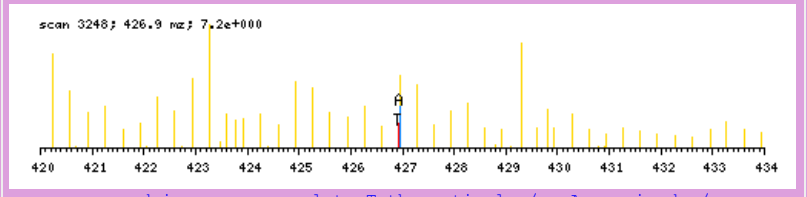
N-term:+29.04

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

VNVFTTILTSR, MH+ 1278.7421, m/z 426.9189
L OS G16 P120811 220811-s1.03252.03252.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



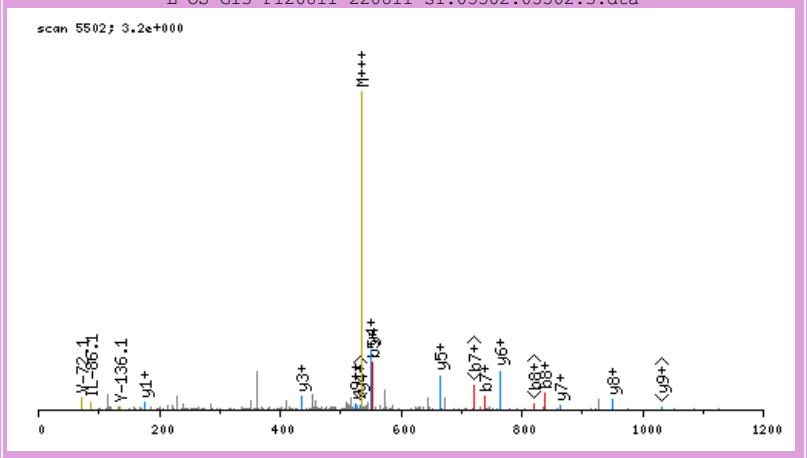
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	11		
242.1504	2	N	10	1151.6424	576.3251
341.2189	3	V	9	1037.5995	**519.3037**
488.2873	4	F	8	938.5311	469.7695
589.3349	5	T	7	791.4627	396.2353
690.3826	6	T	6	**690.4150**	**345.7114**
803.4667	7	I	5	**589.3673**	**295.1876**
916.5508	8	L	4	**476.2833**	**238.6455**
1017.5984	9	T	3	**363.1992**	182.1035
1104.6305	10	S	2	**262.1515**	131.5797
	11	R	1	**175.1195**	88.0637

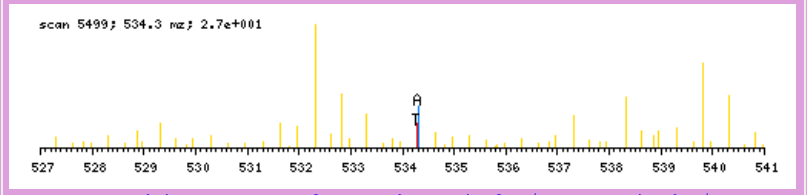
N-term:+29.04

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

VPTLNVSVVDLTCR, MH+ 1600.8732, m/z 534.2959
L OS G13 P120811 220811-s1.05502.05502.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



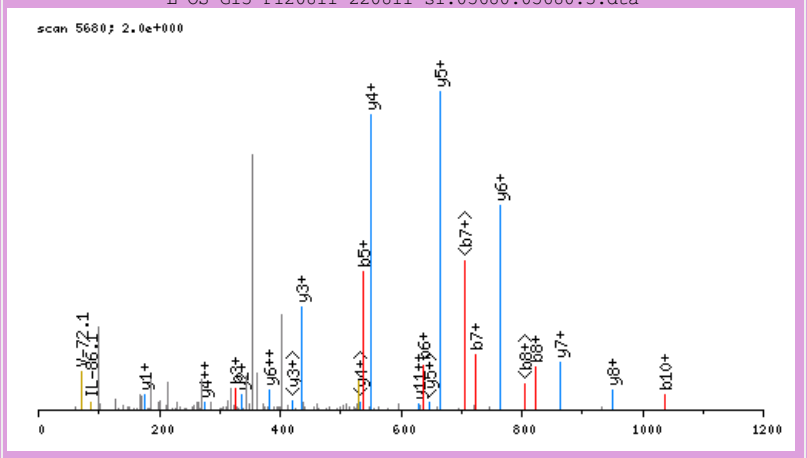
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
225.1603	2	P	13	1473.7735	737.3907
326.2080	3	T	12	1376.7207	688.8643
439.2920	4	L	11	1275.6730	638.3404
553.3349	5	N	10	1162.5890	581.7984
652.4034	6	V	9	1048.5461	**524.7769**
739.4354	7	S	8	**949.4776**	475.2427
838.5038	8	V	7	**862.4456**	431.7267
937.5722	9	V	6	**763.3772**	382.1925
1052.5992	10	D	5	**664.3088**	332.6583
1165.6832	11	L	4	**549.2818**	275.1448
1266.7309	12	T	3	**436.1978**	218.6028
1426.7615	13	C	2	335.1501	168.0790
	14	R	1	**175.1195**	88.0637

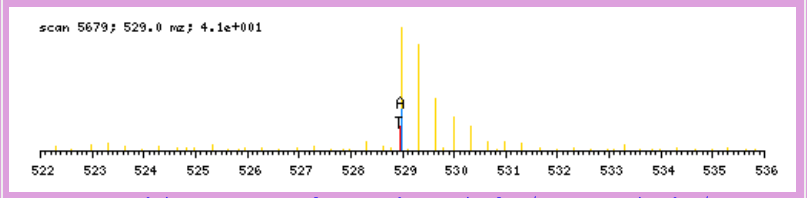
N-term:+29.04 C(13):+160.03

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

VPTPNVSVVDLTCR, MH+ 1584.8419, m/z 528.9521
L OS G13 P120811 220811-s1.05680.05680.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



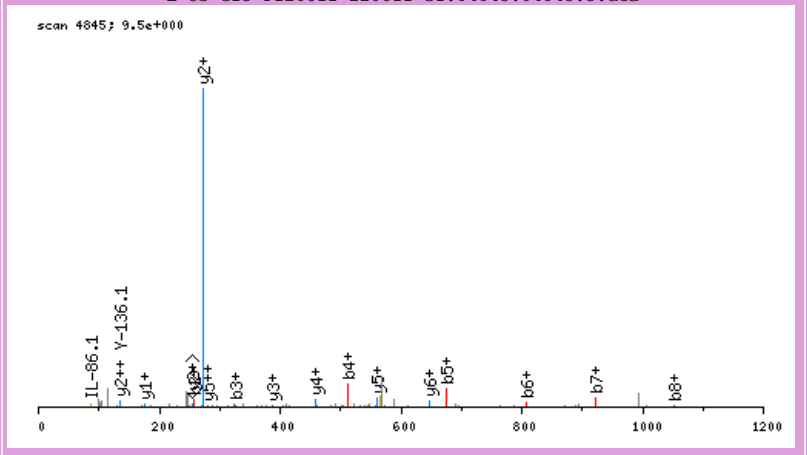
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
225.1603	2	P	13	1457.7422	729.3750
326.2080	3	T	12	1360.6894	680.8486
423.2607	4	P	11	1259.6417	**630.3248**
537.3036	5	N	10	1162.5890	581.7984
636.3721	6	V	9	1048.5461	524.7769
723.4041	7	S	8	**949.4776**	475.2427
822.4725	8	V	7	**862.4456**	431.7267
921.5409	9	V	6	**763.3772**	**382.1925**
1036.5679	10	D	5	**664.3088**	332.6583
1149.6519	11	L	4	**549.2818**	**275.1448**
1250.6996	12	T	3	**436.1978**	218.6028
1410.7302	13	C	2	**335.1501**	168.0790
	14	R	1	**175.1195**	88.0637

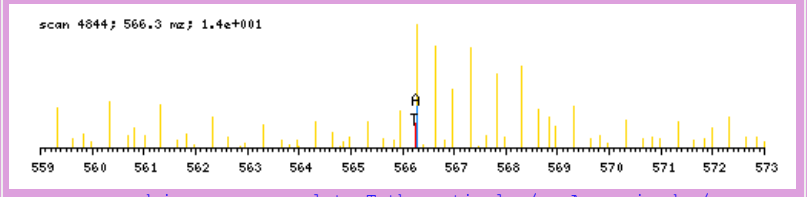
N-term:+29.04 C(13):+160.03

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

VQAWYMDESTADPR, MH+ 1696.7641, m/z 566.2595
L OS G13 P120811 220811-s1.04845.04845.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



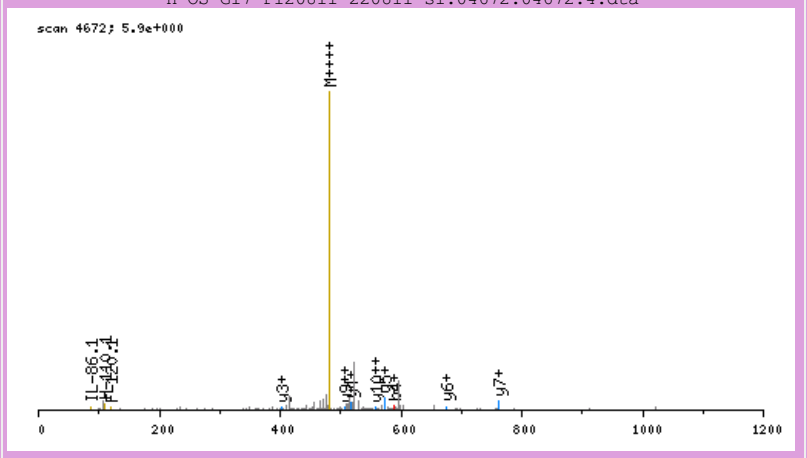
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
256.1661	2	Q	13	1569.6644	785.3361
327.2032	3	A	12	1441.6058	721.3068
513.2825	4	W	11	1370.5687	685.7883
676.3458	5	Y	10	1184.4894	592.7486
807.3863	6	M	9	1021.4260	511.2169
922.4133	7	D	8	890.3856	445.6967
1051.4559	8	E	7	775.3586	388.1832
1138.4879	9	S	6	646.3160	323.6619
1239.5356	10	T	5	559.2840	280.1459
1310.5727	11	A	4	458.2363	229.6221
1425.5996	12	D	3	387.1992	194.1035
1522.6524	13	P	2	272.1723	136.5900
	14	R	1	175.1195	88.0637

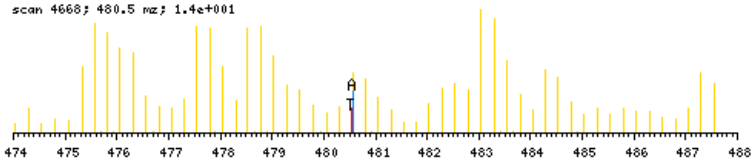
N-term:+29.04

VQKYGYTHLSTGDLLR, MH+ 1919.1027, m/z 480.5311
H OS G17 P120811 220811-s1.04672.04672.4.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±]



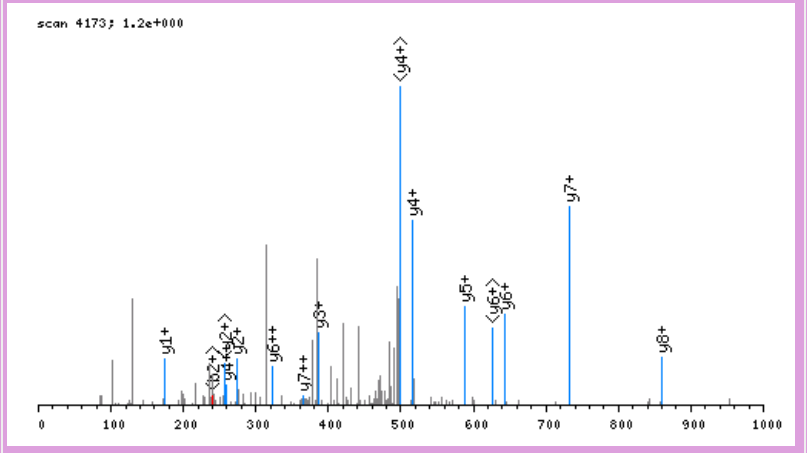
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

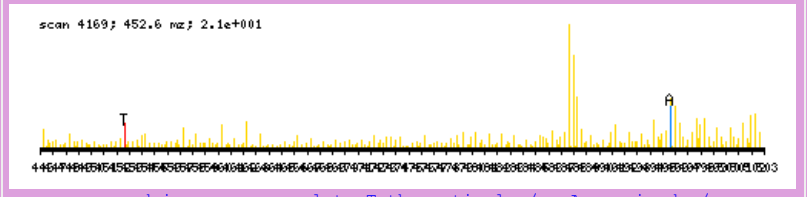
N-term:+35.07 K(3):+162.16

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 G13 P120811 220811-s1.04173.04173.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



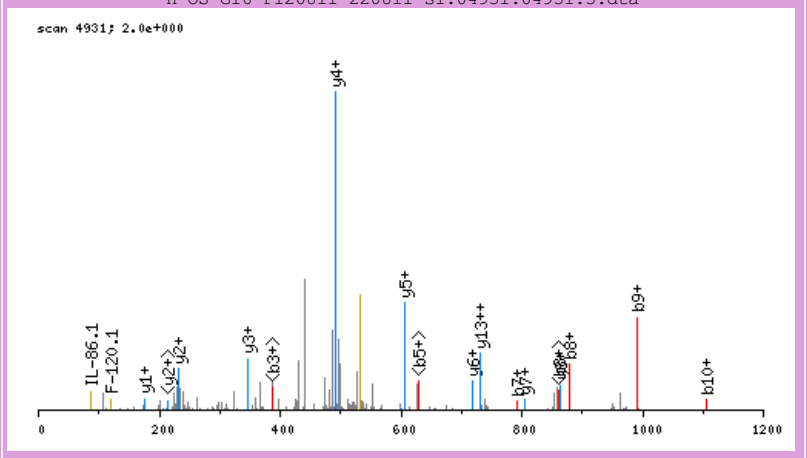
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

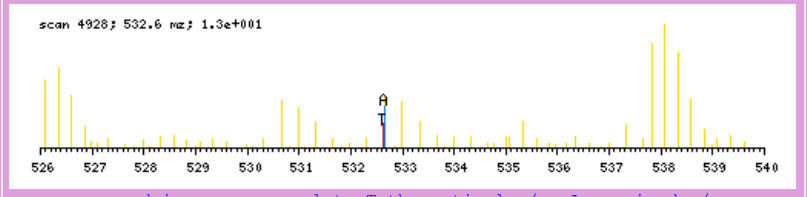
N-term:+29.04 K(12):+156.13

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H_2O/NH_3
zoom 112-122
GO

VRDNQSGSLLFIGR, MH+ 1595.9081, m/z 532.6409
H_OS_G16_P120811_220811-s1.04931.04931.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



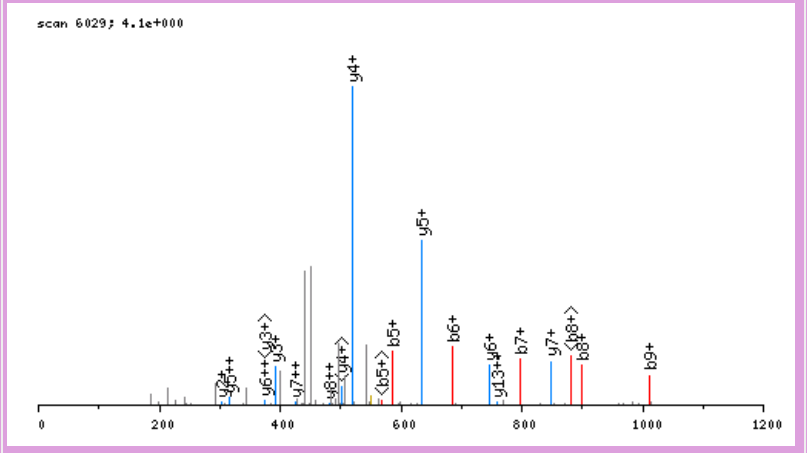
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
290.2404	2	R	13	1462.7767	731.8922
405.2674	3	D	12	1306.6755	653.8417
519.3103	4	N	11	1191.6486	596.3282
647.3689	5	Q	10	1077.6057	539.3067
734.4009	6	S	9	949.5471	475.2775
791.4224	7	G	8	862.5151	431.7614
878.4544	8	S	7	805.4936	403.2507
991.5385	9	L	6	718.4616	359.7347
1104.6225	10	L	5	605.3775	303.1927
1251.6909	11	F	4	492.2934	246.6506
1364.7750	12	I	3	345.2250	173.1164
1421.7965	13	G	2	232.1410	116.5744
	14	R	1	175.1195	88.0637

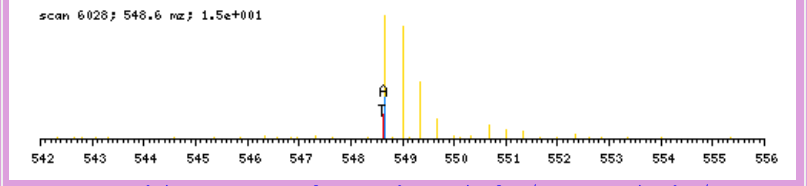
N-term:+35.07

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

VREGDVLTLLESER, MH+ 1643.8968, m/z 548.6371
L OS G16 P120811 220811-s1.06029.06029.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



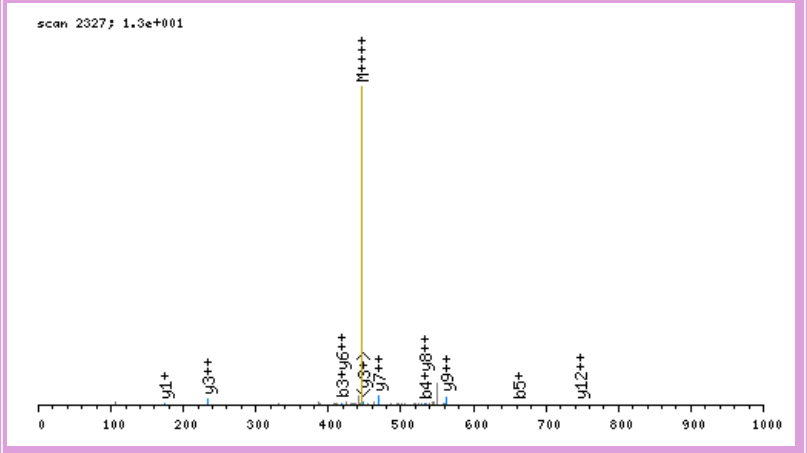
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
284.2086	2	R	13	1516.7971	**758.9025**
413.2512	3	E	12	1360.6960	680.8519
470.2727	4	G	11	1231.6534	616.3306
585.2996	5	D	10	1174.6319	587.8199
684.3680	6	V	9	1059.6050	530.3064
797.4521	7	L	8	960.5366	**480.7722**
898.4998	8	T	7	**847.4525**	**424.2302**
1011.5838	9	L	6	**746.4048**	**373.7063**
1124.6679	10	L	5	**633.3208**	**317.1643**
1253.7105	11	E	4	**520.2367**	260.6223
1340.7425	12	S	3	**391.1941**	196.1010
1469.7851	13	E	2	**304.1621**	152.5850
	14	R	1	175.1195	88.0637

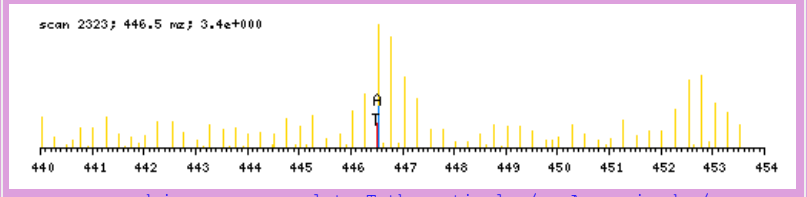
N-term:+29.04

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

VRELEGEVENEQKR, MH+ 1782.9986, m/z 446.5051
H OS G17 P120811 220811-s1.02327.02327.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



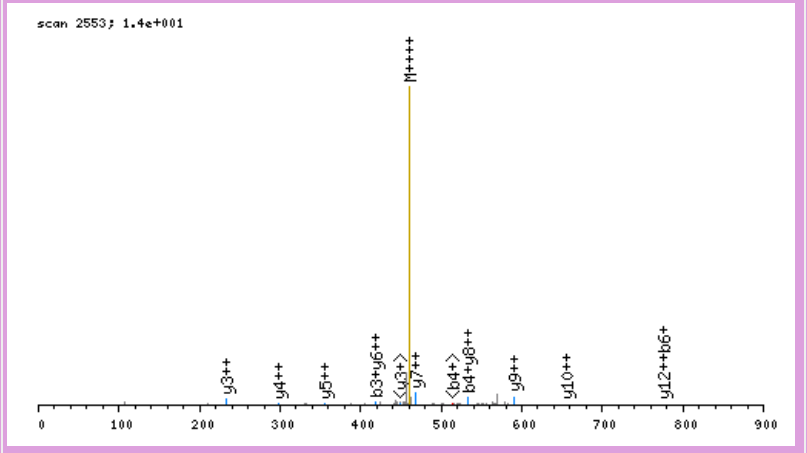
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	14		
290.2404	2	R	13	1649.8671	825.4375
419.2830	3	E	12	1493.7660	**747.3869**
532.3671	4	L	11	1364.7234	682.8656
661.4097	5	E	10	1251.6394	626.3236
718.4311	6	G	9	1122.5968	**561.8023**
847.4737	7	E	8	1065.5753	**533.2916**
946.5421	8	V	7	936.5327	**468.7703**
1075.5847	9	E	6	837.4643	**419.2361**
1189.6277	10	N	5	708.4217	354.7148
1318.6703	11	E	4	594.3788	297.6933
1446.7288	12	Q	3	465.3362	**233.1720**
1608.8869	13	K	2	337.2776	169.1427
	14	R	1	**175.1195**	88.0637

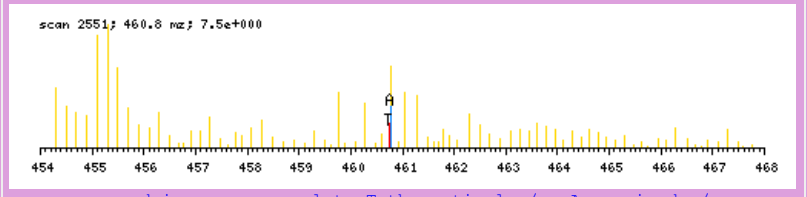
N-term:+35.07 K(13):+162.16

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

VRELENEVENEQKR, MH+ 1840.0201, m/z 460.7605
H OS G18 P120811 220811-s1.02553.02553.4.dta



click image to zoom in; 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	1706.8886	853.9482
419.2830	3	E	12	1550.7875	**775.8977**
532.3671	4	L	11	1421.7449	711.3764
661.4097	5	E	10	1308.6608	**654.8343**
775.4526	6	N	9	1179.6182	**590.3130**
904.4952	7	E	8	1065.5753	**533.2916**
1003.5636	8	V	7	936.5327	**468.7703**
1132.6062	9	E	6	837.4643	**419.2361**
1246.6491	10	N	5	708.4217	**354.7148**
1375.6917	11	E	4	594.3788	**297.6933**
1503.7503	12	Q	3	465.3362	**233.1720**
1665.9084	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:

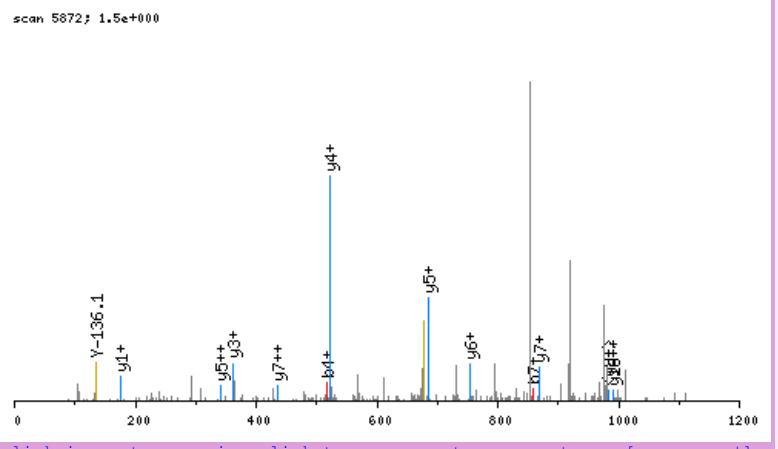
a	☐	☐	☐
b	☑	☐	☐
c	☐	☐	☐
x	☐	☐	☐
y	☑	☑	☐
z	☐	☐	☐

hide H_2O/NH_3 ☐

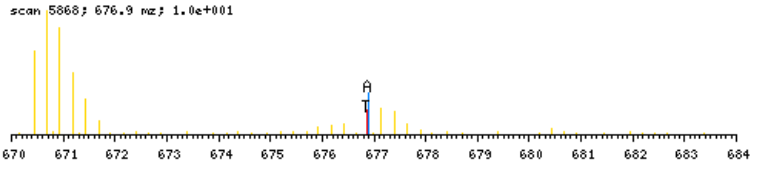
zoom 112-122 ☐

GO

VREPPIMVTKQLEDMNAYCGER, MH+ 2704.3897, m/z 676.8529
H OS G17 P120811 220811-s1.05872.05872.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



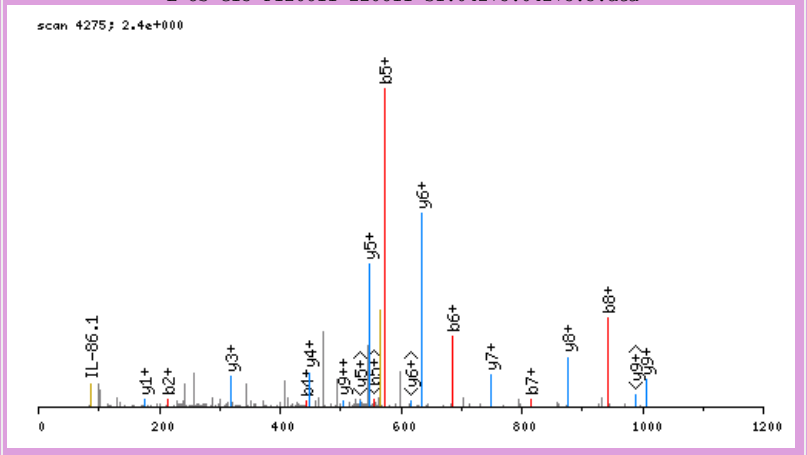
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	22		
290.2404	2	R	21	2571.2582	1286.1330
419.2830	3	E	20	2415.1571	1208.0824
516.3358	4	P	19	2286.1145	1143.5611
613.3885	5	P	18	2189.0617	1095.0348
726.4726	6	I	17	2092.0089	1046.5084
857.5131	7	M	16	1978.9249	**989.9663**
956.5815	8	V	15	1847.8844	924.4461
1057.6292	9	T	14	1748.8160	874.9119
1219.7873	10	K	13	1647.7683	824.3881
1347.8459	11	Q	12	1485.6102	743.3090
1460.9299	12	L	11	1357.5516	679.2797
1589.9725	13	E	10	1244.4675	622.7377
1704.9995	14	D	9	1115.4250	558.2164
1836.0399	15	M	8	1000.3980	500.7029
1950.0829	16	N	7	**869.3575**	**435.1827**
2021.1200	17	A	6	**755.3146**	378.1612
2184.1833	18	Y	5	**684.2775**	**342.6427**
2344.2139	19	C	4	**521.2142**	261.1110
2401.2354	20	G	3	**361.1836**	181.0957
2530.2780	21	E	2	304.1621	152.5850
	22	R	1	**175.1195**	88.0637

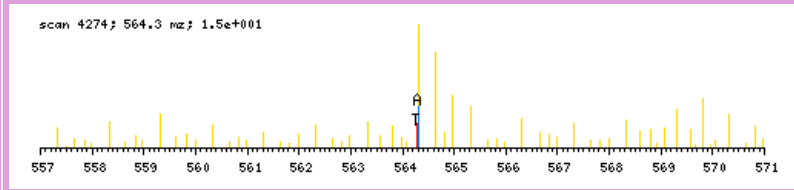
N-term:+35.07 K(10):+162.16
C(19):+160.03

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

VSDNELQELSTQGSR, MH+ 1690.8248, m/z 564.2798
L OS G13 P120811 220811-s1.04275.04275.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



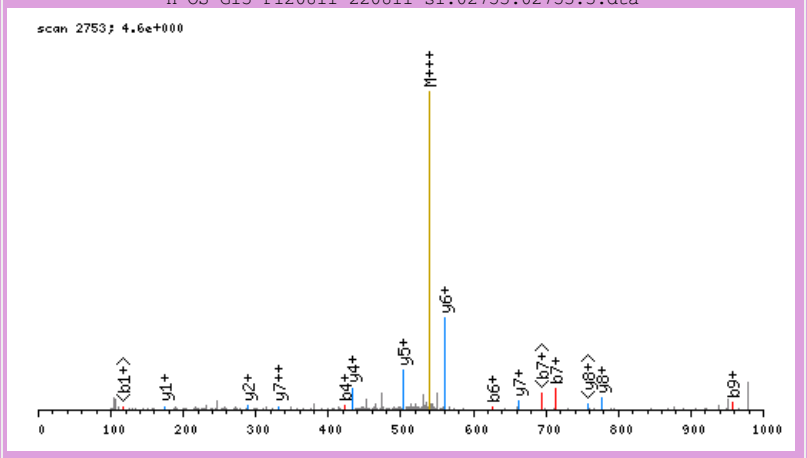
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
215.1395	2	S	14	1563.7251	782.3664
330.1665	3	D	13	1476.6930	738.8504
444.2094	4	N	12	1361.6661	681.3370
573.2520	5	E	11	1247.6232	624.3155
686.3361	6	L	10	1118.5806	559.7942
814.3946	7	Q	9	**1005.4965**	**503.2522**
943.4372	8	E	8	**877.4379**	439.2229
1056.5213	9	L	7	**748.3953**	374.7016
1143.5533	10	S	6	**635.3113**	318.1596
1244.6010	11	T	5	**548.2792**	274.6435
1372.6596	12	Q	4	**447.2316**	224.1197
1429.6811	13	G	3	**319.1730**	160.0904
1516.7131	14	S	2	262.1515	131.5797
	15	R	1	**175.1195**	88.0637

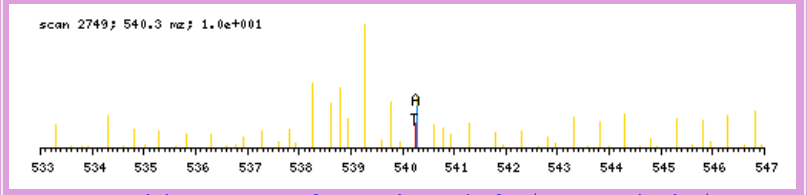
N-term:+29.04

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

VSDSSDSMDTGAGSIR, MH+ 1618.7442, m/z 540.2529
H_OS_G13_P120811_220811-s1.02753.02753.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



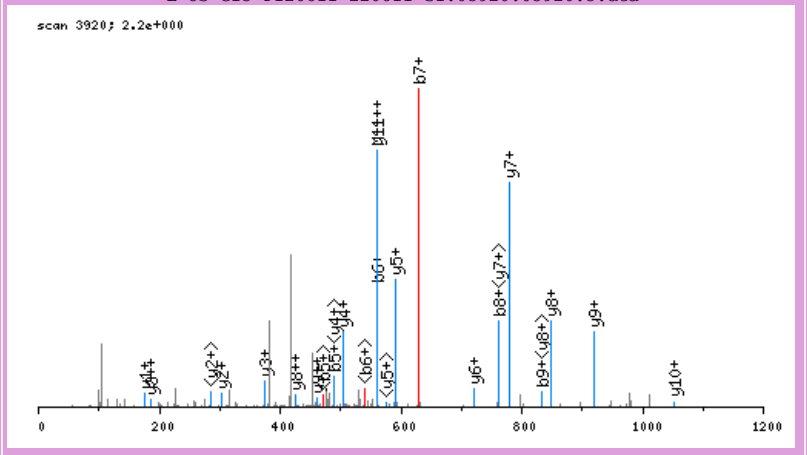
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

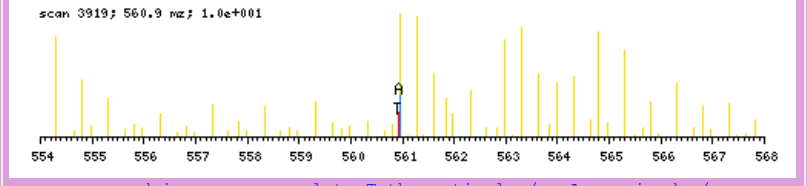
N-term:+35.07

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 G13 P120811 220811-s1.03920.03920.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



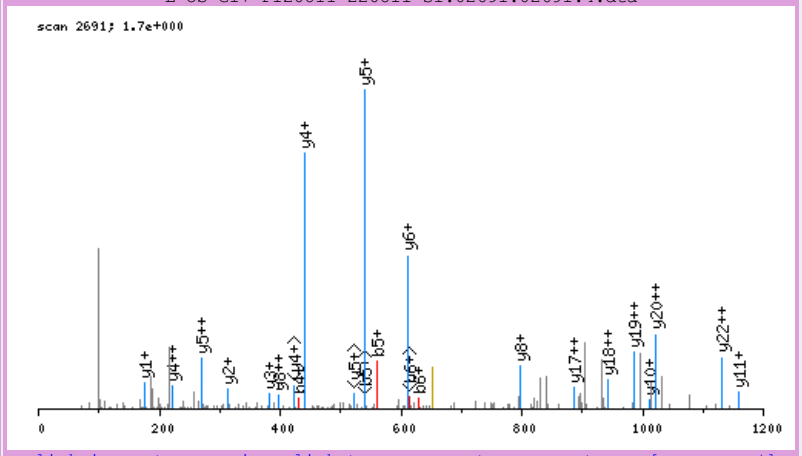
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	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

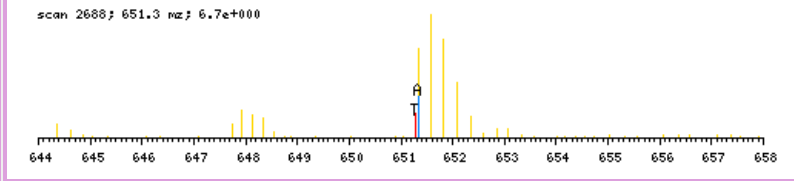
N-term:+29.04

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

VSESQASDSEGHSDFSEGQAVGAHR, MH+ 2602.1406, m/z 651.2906
L OS G17 P120811 220811-s1.02691.02691.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



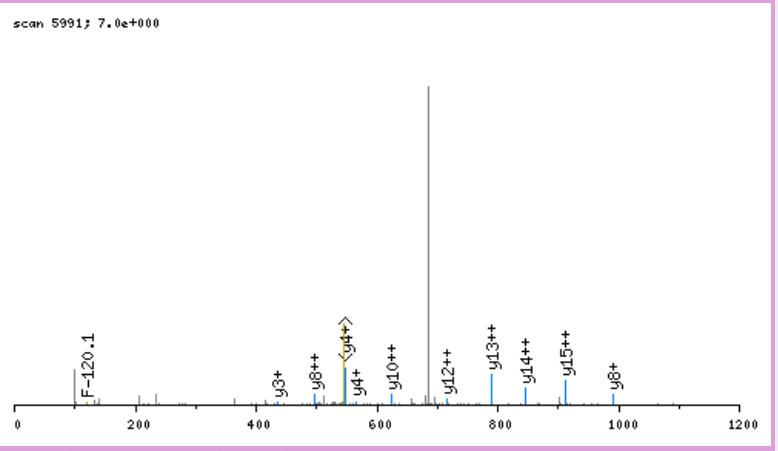
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	25		
215.1395	2	S	24	2475.0409	1238.0244
344.1821	3	E	23	2388.0088	1194.5083
431.2142	4	S	22	2258.9663	**1129.9870**
559.2727	5	Q	21	2171.9342	1086.4710
630.3099	6	A	20	2043.8756	**1022.4417**
717.3419	7	S	19	1972.8385	**986.9232**
832.3688	8	D	18	1885.8065	**943.4072**
919.4009	9	S	17	1770.7796	**885.8937**
1048.4434	10	E	16	1683.7475	842.3777
1105.4649	11	G	15	1554.7049	777.8564
1242.5238	12	H	14	1497.6835	749.3457
1329.5559	13	S	13	1360.6246	680.8162
1444.5828	14	D	12	1273.5925	637.3002
1591.6512	15	F	11	**1158.5656**	579.7867
1678.6832	16	S	10	**1011.4972**	506.2525
1807.7258	17	E	9	924.4652	462.7365
1864.7473	18	G	8	**795.4226**	**398.2152**
1992.8059	19	Q	7	738.4011	369.7045
2063.8430	20	A	6	**610.3425**	305.6752
2162.9114	21	V	5	**539.3054**	**270.1566**
2219.9329	22	G	4	**440.2370**	**220.6224**
2290.9700	23	A	3	**383.2155**	192.1117
2428.0289	24	H	2	**312.1784**	156.5931
	25	R	1	**175.1195**	88.0637

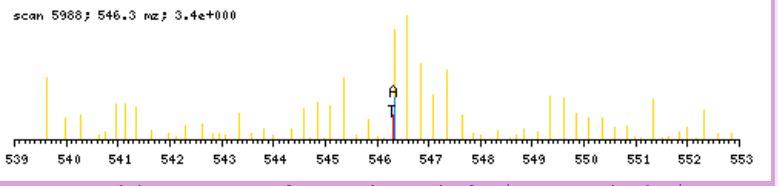
N-term:+29.04

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

VSFELFADKVPKTAENFR, MH+ 2182.1913, m/z 546.3033
L OS G16 P120811 220811-s1.05991.05991.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



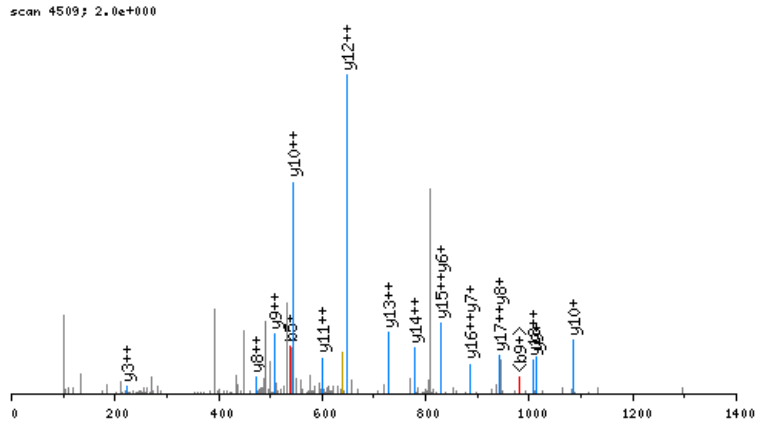
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	18		
215.1395	2	S	17	2055.0916	1028.0497
362.2080	3	F	16	1968.0595	984.5337
491.2505	4	E	15	1820.9911	**910.9995**
604.3346	5	L	14	1691.9485	**846.4782**
751.4030	6	F	13	1578.8645	**789.9362**
822.4401	7	A	12	1431.7961	**716.4019**
937.4671	8	D	11	1360.7589	680.8834
1093.5934	9	K	10	1245.7320	**623.3699**
1192.6618	10	V	9	1089.6057	545.3068
1289.7146	11	P	8	**990.5373**	**495.7726**
1445.8409	12	K	7	893.4845	447.2462
1546.8885	13	T	6	737.3582	369.1830
1617.9257	14	A	5	636.3105	318.6592
1746.9682	15	E	4	**565.2734**	283.1406
1861.0112	16	N	3	**436.2308**	218.6193
2008.0796	17	F	2	322.1879	161.5979
	18	R	1	175.1195	88.0637

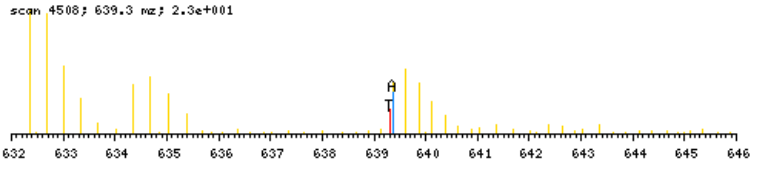
N-term:+29.04 K(9):+156.13
K(12):+156.13

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

VSGEHMDLTTCPLAAGGQQEKLR, MH+ 2554.2757, m/z 639.3244
L OS G16 P120811 220811-s1.04509.04509.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



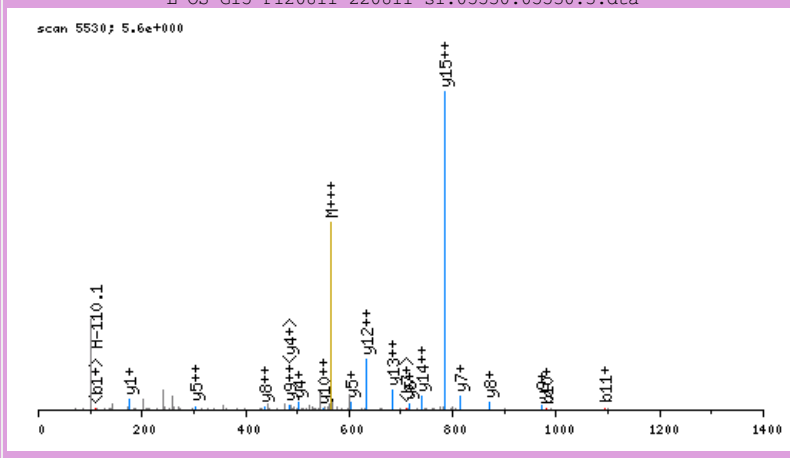
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

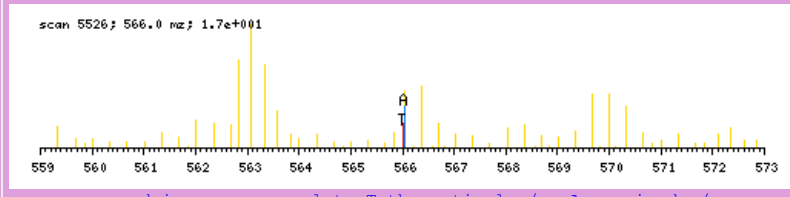
N-term:+29.04 C(11):+160.03
K(21):+156.13

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+ 1696.0009, m/z 566.0052
L OS G15 P120811 220811-s1.05530.05530.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



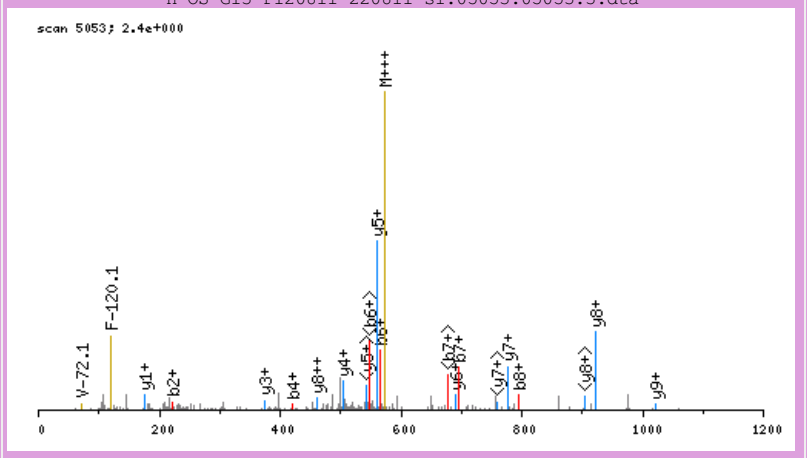
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
215.1395	2	S	15	1568.9012	**784.9545**
328.2236	3	I	14	1481.8692	**741.4385**
429.2713	4	T	13	1368.7851	**684.8965**
526.3240	5	P	12	1267.7374	**634.3726**
597.3612	6	A	11	1170.6847	585.8463
726.4038	7	E	10	1099.6476	**550.3277**
825.4722	8	V	9	**970.6050**	**485.8064**
882.4936	9	G	8	**871.5366**	**436.2722**
981.5620	10	V	7	**814.5151**	407.7615
1094.6461	11	L	6	**715.4467**	358.2273
1193.7145	12	V	5	**602.3626**	**301.6852**
1250.7360	13	G	4	**503.2942**	252.1510
1406.8623	14	K	3	446.2727	223.6403
1521.8892	15	D	2	290.1464	145.5771
	16	R	1	**175.1195**	88.0637

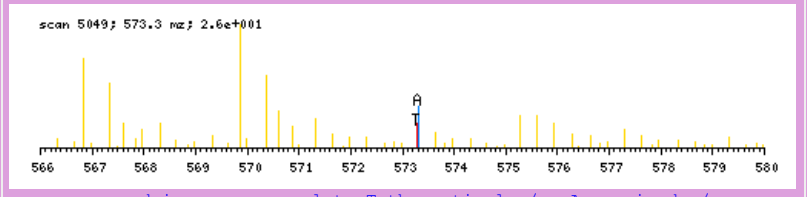
N-term:+29.04 K(14):+156.13

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

VSTVGSMVFSEGEAQR, MH+ 1717.8643, m/z 573.2929
H OS G13 P120811 220811-s1.05053.05053.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



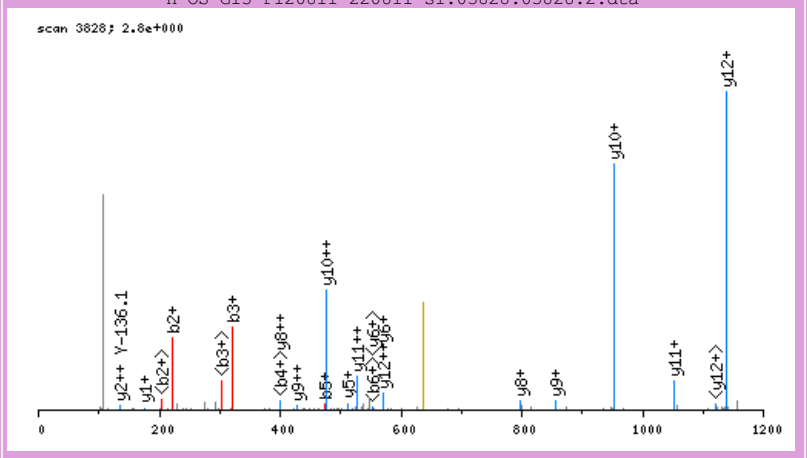
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	16		
221.1713	2	S	15	1584.7328	792.8703
322.2190	3	T	14	1497.7008	749.3543
421.2874	4	V	13	1396.6531	698.8305
478.3089	5	G	12	1297.5847	649.2963
565.3409	6	S	11	1240.5632	620.7855
696.3814	7	M	10	1153.5312	577.2695
795.4498	8	V	9	**1022.4907**	511.7493
942.5182	9	F	8	**923.4223**	**462.2151**
1029.5503	10	S	7	**776.3539**	388.6808
1158.5929	11	E	6	**689.3218**	345.1648
1215.6143	12	G	5	**560.2792**	280.6435
1344.6569	13	E	4	**503.2578**	252.1328
1415.6940	14	A	3	**374.2152**	187.6115
1543.7526	15	Q	2	303.1781	152.0930
	16	R	1	**175.1195**	88.0637

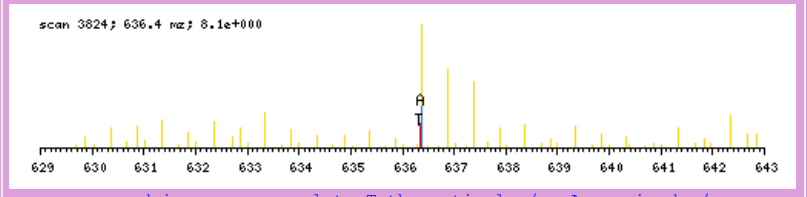
N-term:+35.07

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

VSVPGPMGPSGPR, MH+ 1271.6994, m/z 636.3533
H_OS_G13_P120811_220811-s1.03828.03828.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



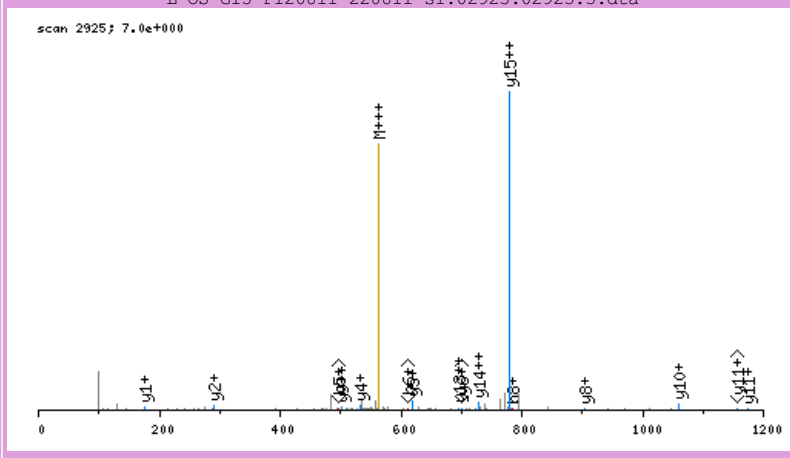
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	13		
221.1713	2	S	12	1138.5679	569.7879
320.2398	3	V	11	1051.5359	526.2718
417.2925	4	P	10	952.4675	476.7376
474.3140	5	G	9	855.4147	428.2113
571.3667	6	P	8	798.3932	399.7005
702.4072	7	M	7	701.3405	351.1741
759.4287	8	G	6	570.3000	285.6539
856.4815	9	P	5	513.2785	257.1432
943.5135	10	S	4	416.2258	208.6168
1000.5350	11	G	3	329.1937	165.1008
1097.5877	12	P	2	272.1723	136.5900
	13	R	1	175.1195	88.0637

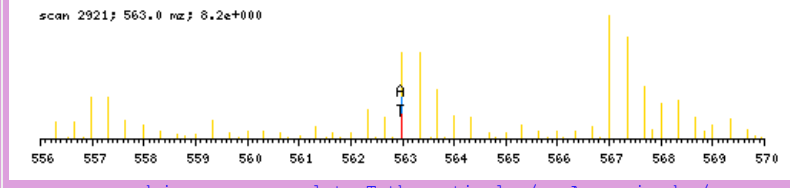
N-term:+35.07

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

VTAGKDGVANVSIEDR, MH+ 1686.9027, m/z 562.9724
L OS G15 P120811 220811-s1.02925.02925.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



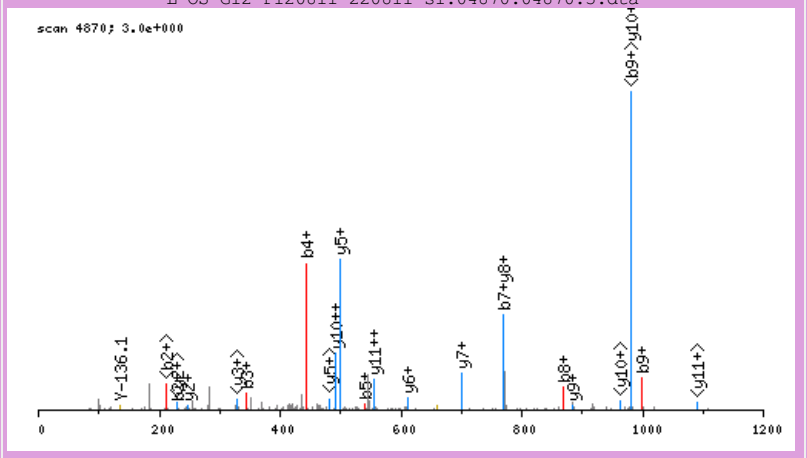
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
229.1552	2	T	15	1559.8030	**780.4054**
300.1923	3	A	14	1458.7553	**729.8816**
357.2138	4	G	13	1387.7182	**694.3630**
513.3401	5	K	12	1330.6967	665.8523
628.3670	6	D	11	**1174.5704**	587.7891
685.3885	7	G	10	**1059.5435**	530.2756
784.4569	8	V	9	1002.5220	**501.7649**
855.4940	9	A	8	**903.4536**	452.2307
969.5369	10	N	7	832.4165	416.7121
1068.6053	11	V	6	718.3735	359.6907
1155.6374	12	S	5	**619.3051**	310.1565
1268.7214	13	I	4	**532.2731**	266.6405
1397.7640	14	E	3	419.1890	210.0984
1512.7910	15	D	2	**290.1464**	145.5771
	16	R	1	**175.1195**	88.0637

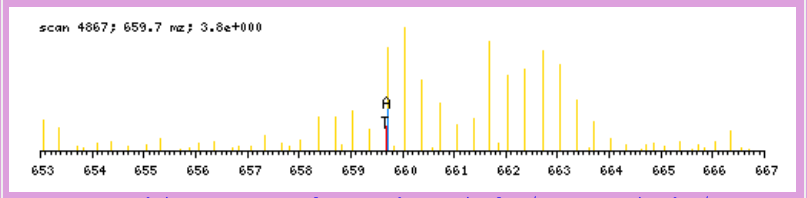
N-term:+29.04 K(5):+156.13

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

VTDVPDDVQPIASLPGVAR, MH+ 1977.0657, m/z 659.6934
L OS G12 P120811 220811-s1.04870.04870.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



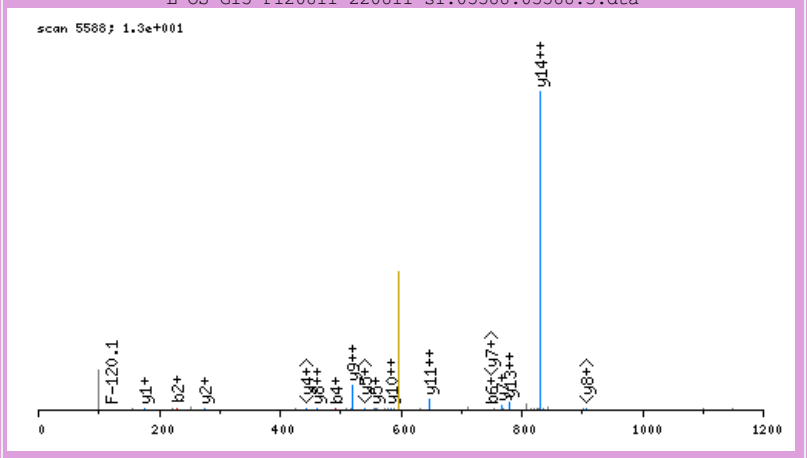
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	19		
229.1552	2	T	18	1849.9660	925.4869
344.1821	3	D	17	1748.9183	874.9631
443.2505	4	V	16	1633.8913	817.4496
540.3033	5	P	15	1534.8229	767.9154
655.3303	6	D	14	1437.7702	719.3890
770.3572	7	D	13	1322.7432	661.8755
869.4256	8	V	12	1207.7163	604.3621
997.4842	9	Q	11	1108.6479	**554.8278**
1094.5370	10	P	10	**980.5893**	**490.7986**
1207.6210	11	I	9	**883.5365**	442.2722
1278.6581	12	A	8	**770.4525**	385.7301
1365.6902	13	S	7	**699.4153**	350.2116
1478.7742	14	L	6	**612.3833**	306.6956
1575.8270	15	P	5	**499.2993**	250.1535
1632.8485	16	G	4	402.2465	201.6272
1731.9169	17	V	3	345.2250	173.1164
1802.9540	18	A	2	**246.1566**	123.5822
	19	R	1	175.1195	88.0637

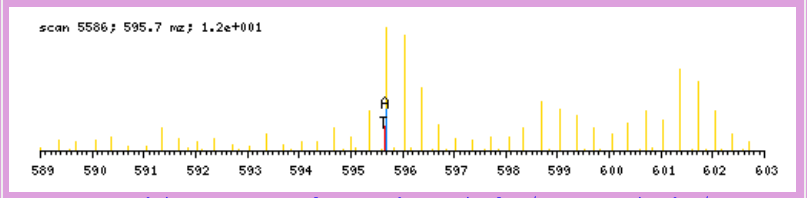
N-term:+29.04

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

VTFDEELRPLPVSVR, MH+ 1784.9910, m/z 595.6685
L OS G15 P120811 220811-s1.05588.05588.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



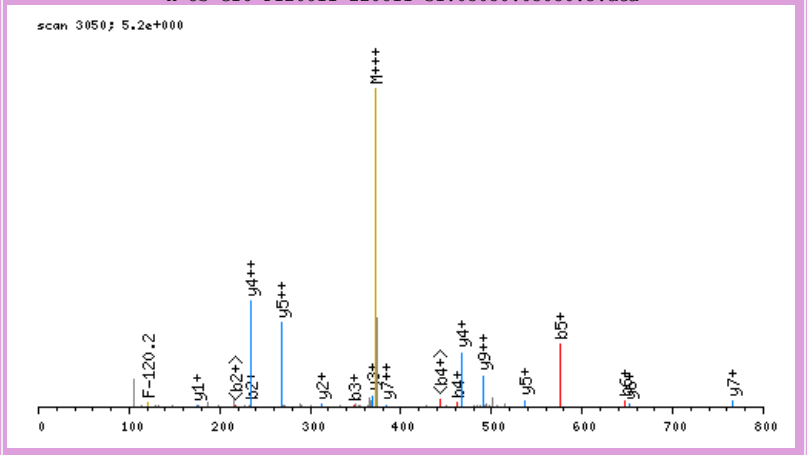
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	15		
229.1552	2	T	14	1657.8913	**829.4496**
376.2236	3	F	13	1556.8437	**778.9257**
491.2505	4	D	12	1409.7753	705.3915
620.2931	5	E	11	1294.7483	**647.8781**
749.3357	6	E	10	1165.7057	**583.3568**
862.4198	7	L	9	1036.6631	**518.8355**
1018.5209	8	R	8	923.5791	**462.2934**
1115.5737	9	P	7	**767.4779**	384.2429
1228.6577	10	L	6	670.4252	335.7165
1325.7105	11	P	5	**557.3411**	279.1745
1424.7789	12	V	4	460.2884	230.6481
1511.8109	13	S	3	361.2199	181.1139
1610.8794	14	V	2	**274.1879**	137.5979
	15	R	1	**175.1195**	88.0637

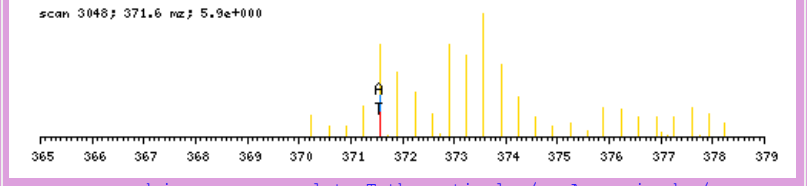
N-term:+29.04

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

VTIIDAPGHR, MH+ 1112.6640, m/z 371.5595
H OS G16 P120811 220811-s1.03050.03050.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



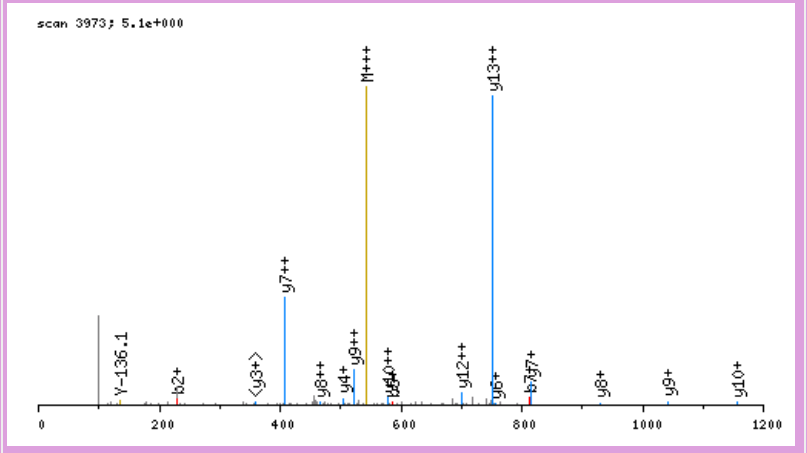
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	10		
235.1870	2	T	9	979.5325	490.2702
348.2711	3	I	8	878.4848	439.7463
461.3551	4	I	7	765.4008	383.2043
576.3821	5	D	6	652.3167	326.6623
647.4192	6	A	5	537.2898	269.1488
744.4719	7	P	4	466.2526	233.6302
801.4934	8	G	3	369.1999	185.1039
938.5523	9	H	2	312.1784	156.5931
	10	R	1	175.1195	88.0637

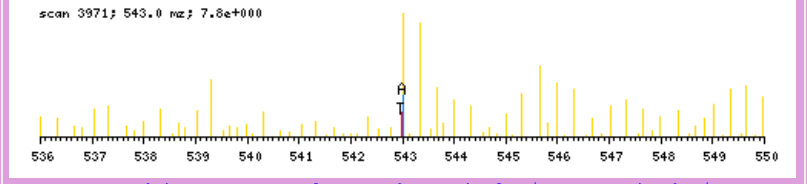
N-term:+35.07

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

VTQLDLDGPKELSR, MH+ 1626.9067, m/z 542.9737
L OS G15 P120811 220811-s1.03973.03973.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



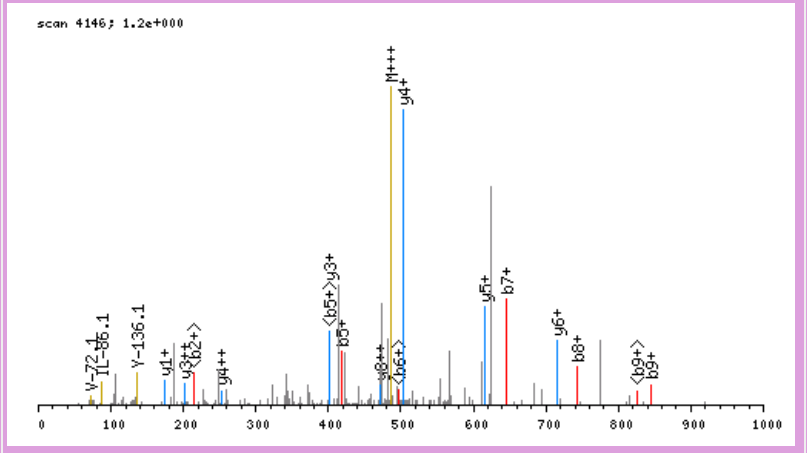
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
229.1552	2	T	13	1499.8070	**750.4074**
357.2138	3	Q	12	1398.7593	**699.8836**
470.2978	4	L	11	1270.7007	635.8543
585.3248	5	D	10	**1157.6167**	**579.3122**
698.4088	6	L	9	**1042.5897**	**521.7988**
813.4358	7	D	8	**929.5057**	**465.2567**
870.4572	8	G	7	**814.4787**	**407.7433**
967.5100	9	P	6	**757.4573**	379.2325
1123.6363	10	K	5	660.4045	330.7062
1252.6789	11	E	4	**504.2782**	252.6430
1365.7630	12	L	3	375.2356	188.1217
1452.7950	13	S	2	262.1515	131.5797
	14	R	1	175.1195	88.0637

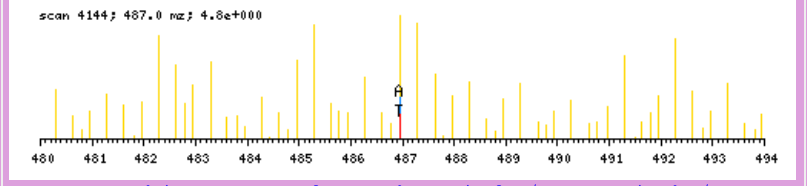
N-term:+29.04 K(10):+156.13

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

VVAGGPEVTLTPER, MH+ 1458.8380, m/z 486.9508
H OS G13 P120811 220811-s1.04146.04146.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



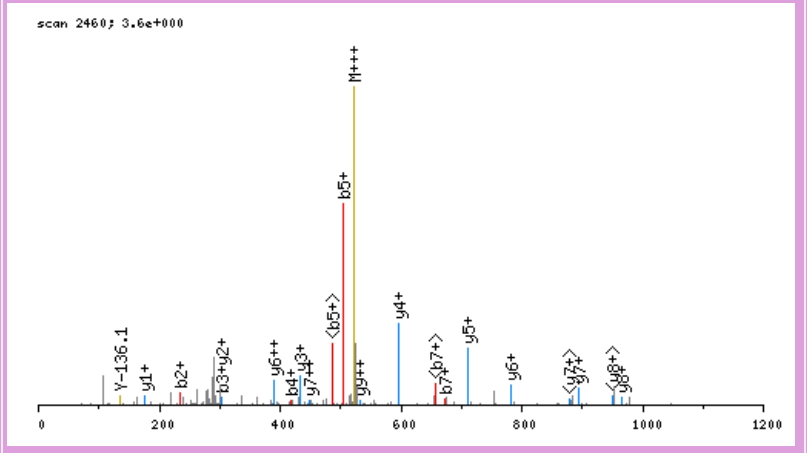
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

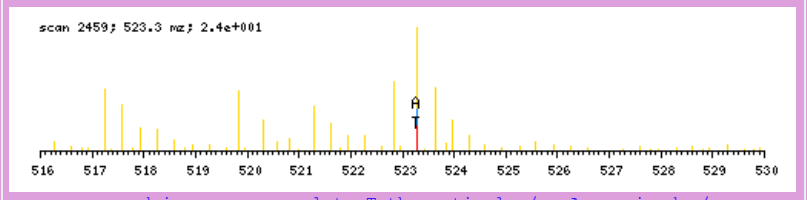
N-term:+35.07

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_G13_P120811_220811-s1.02460.02460.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



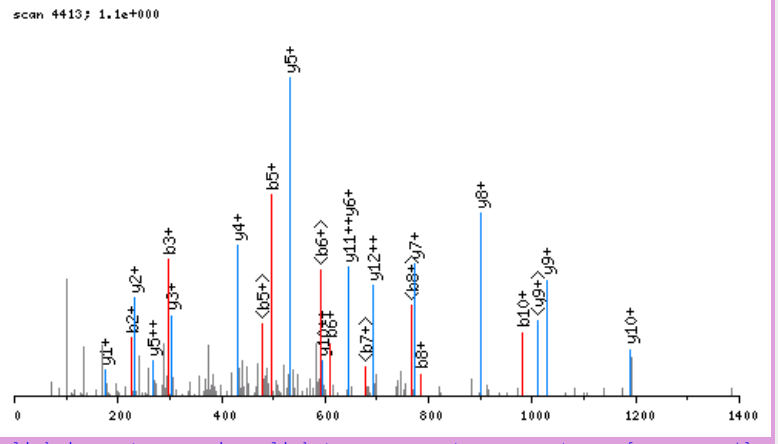
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

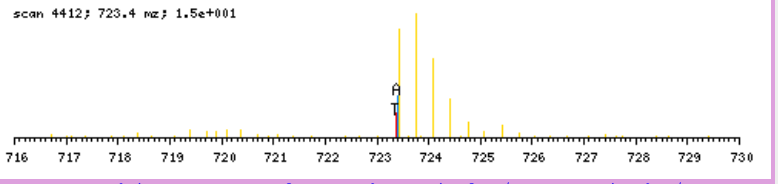
N-term:+35.07

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 G12 P120811 220811-s1.04413.04413.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



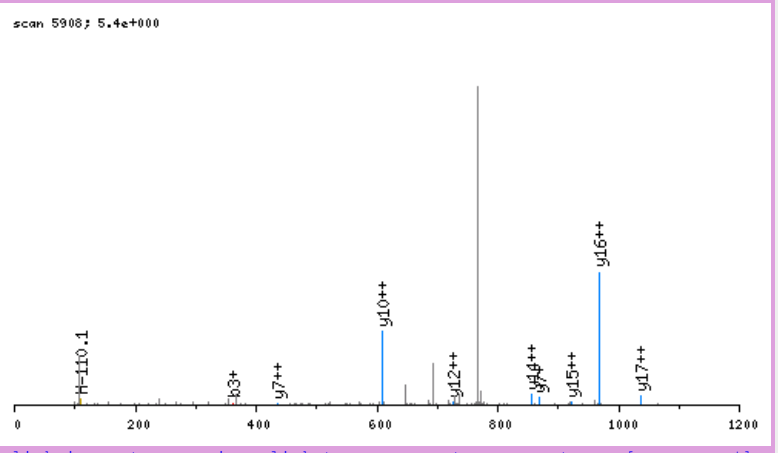
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

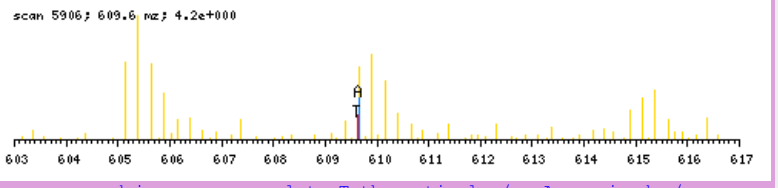
N-term:+29.04 C(11):+160.03

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

VVEHPEFLKAGKEPGLQIWR, MH+ 2435.4664, m/z 609.6220
H OS G18 P120811 220811-s1.05908.05908.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



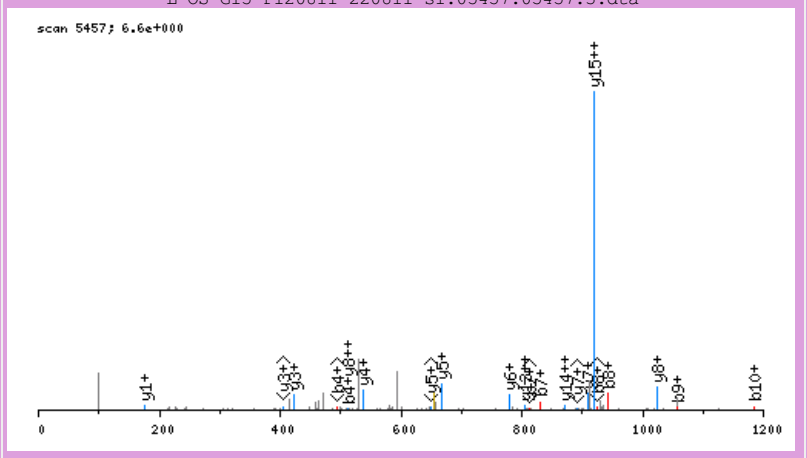
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
134.1393	1	V	20		
233.2077	2	V	19	2302.3349	1151.6713
362.2503	3	E	18	2203.2665	1102.1371
499.3092	4	H	17	2074.2239	**1037.6158**
596.3620	5	P	16	1937.1650	**969.0864**
725.4046	6	E	15	1840.1122	**920.5600**
872.4730	7	F	14	1711.0696	**856.0387**
985.5571	8	L	13	1564.0012	782.5045
1147.7152	9	K	12	1450.9171	**725.9625**
1218.7523	10	A	11	1288.7590	644.8834
1275.7737	11	G	10	1217.7219	**609.3649**
1437.9318	12	K	9	1160.7004	580.8541
1566.9744	13	E	8	998.5423	499.7751
1664.0272	14	P	7	**869.4997**	**435.2538**
1721.0487	15	G	6	772.4470	386.7274
1834.1327	16	L	5	715.4255	358.2167
1962.1913	17	Q	4	602.3415	301.6746
2075.2754	18	I	3	474.2829	237.6454
2261.3547	19	W	2	361.1988	181.1033
	20	R	1	175.1195	88.0637

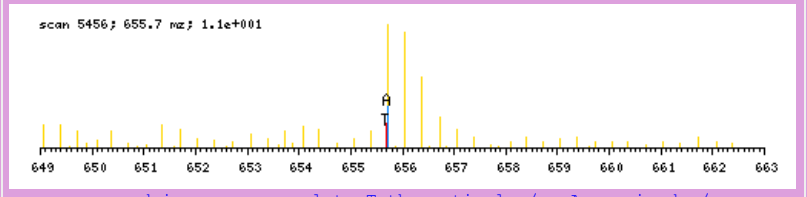
N-term:+35.07 K(9):+162.16
K(12):+162.16

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

VVEKDTTINEIEDTFR, MH+ 1965.0181, m/z 655.6775
L OS G15 P120811 220811-s1.05457.05457.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



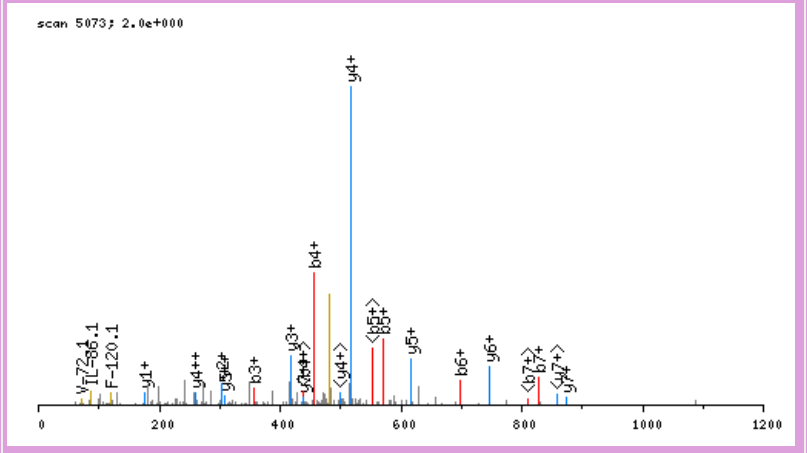
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
227.1759	2	V	15	1837.9184	**919.4631**
356.2185	3	E	14	1738.8500	**869.9289**
512.3448	4	K	13	1609.8074	**805.4076**
627.3718	5	D	12	1453.6811	727.3445
728.4194	6	T	11	1338.6541	669.8310
829.4671	7	T	10	1237.6065	619.3071
942.5512	8	I	9	1136.5588	568.7833
1056.5941	9	N	8	**1023.4747**	**512.2413**
1185.6367	10	E	7	**909.4318**	455.2198
1298.7208	11	I	6	**780.3892**	390.6985
1427.7634	12	E	5	**667.3051**	334.1565
1542.7903	13	D	4	**538.2625**	269.6352
1643.8380	14	T	3	**423.2356**	212.1217
1790.9064	15	F	2	322.1879	161.5979
	16	R	1	**175.1195**	88.0637

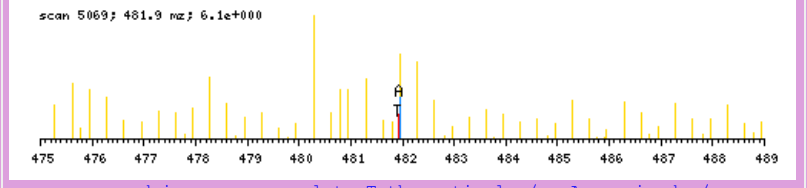
N-term:+29.04 K(4):+156.13

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

VVETLQEVTLER, MH+ 1443.8059, m/z 481.9401
L OS G13 P120811 220811-s1.05073.05073.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



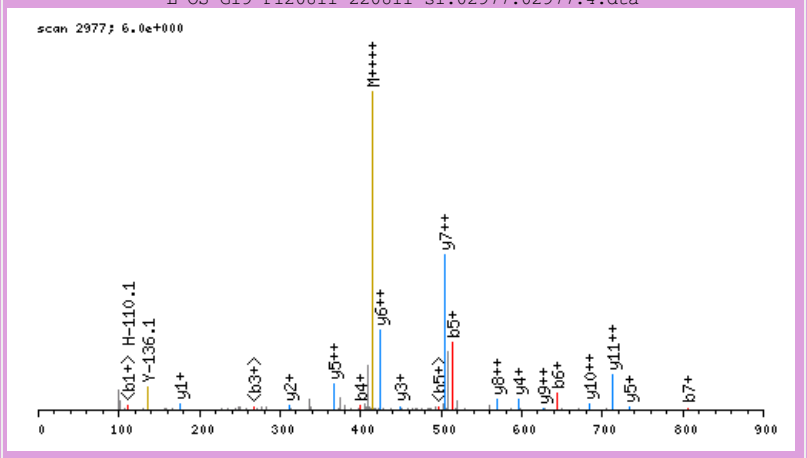
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	12		
227.1759	2	V	11	1316.7062	658.8570
356.2185	3	E	10	1217.6378	609.3228
457.2662	4	T	9	1088.5952	544.8015
570.3503	5	L	8	987.5475	494.2777
698.4088	6	Q	7	**874.4634**	**437.7356**
827.4514	7	E	6	**746.4048**	373.7063
926.5198	8	V	5	**617.3623**	**309.1850**
1027.5675	9	T	4	**518.2938**	**259.6508**
1140.6516	10	L	3	**417.2462**	209.1270
1269.6942	11	E	2	**304.1621**	152.5850
	12	R	1	**175.1195**	88.0637

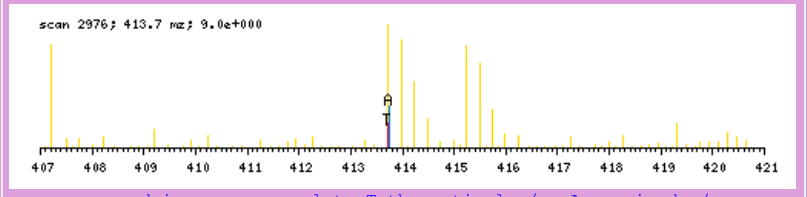
N-term:+29.04

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

VVGDDEYLHFHHR, MH+ 1651.7981, m/z 413.7050
L OS G19 P120811 220811-s1.02977.02977.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



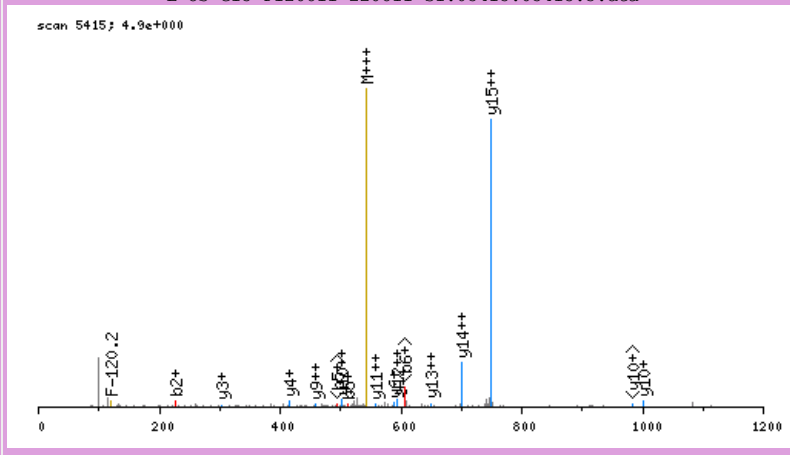
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

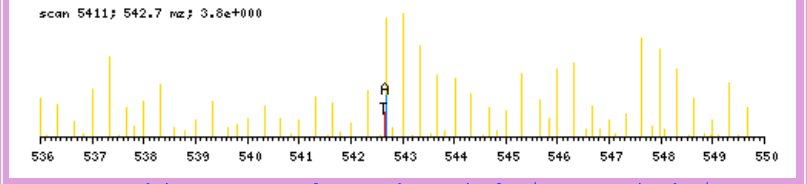
N-term:+29.04

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

VVVDALSGLKGDLAGR, MH+ 1625.9590, m/z 542.6579
L OS G15 P120811 220811-s1.05415.05415.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



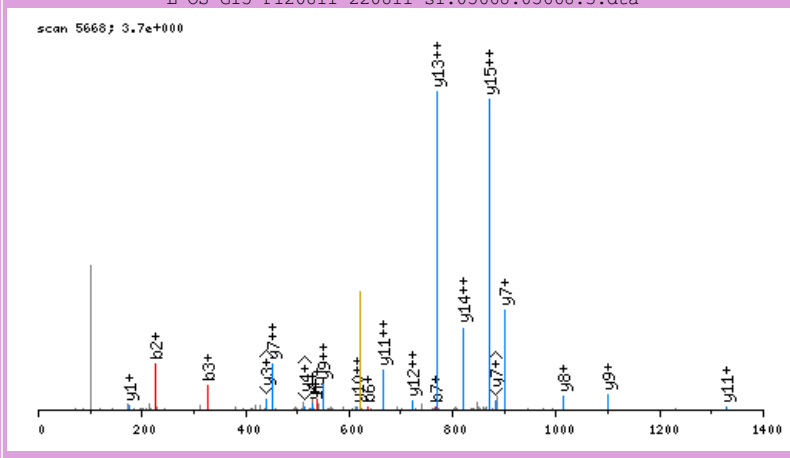
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
227.1759	2	V	15	1498.8594	**749.9336**
326.2443	3	V	14	1399.7909	**700.3994**
441.2713	4	D	13	1300.7225	**650.8652**
512.3084	5	A	12	1185.6956	**593.3517**
625.3925	6	L	11	1114.6585	**557.8331**
712.4245	7	S	10	**1001.5744**	**501.2911**
769.4460	8	G	9	914.5424	**457.7751**
882.5300	9	L	8	857.5209	429.2644
1038.6563	10	K	7	744.4368	372.7223
1095.6778	11	G	6	**588.3105**	294.6592
1210.7047	12	D	5	531.2891	266.1485
1323.7888	13	L	4	**416.2621**	208.6350
1394.8259	14	A	3	**303.1781**	152.0930
1451.8474	15	G	2	232.1410	116.5744
	16	R	1	175.1195	88.0637

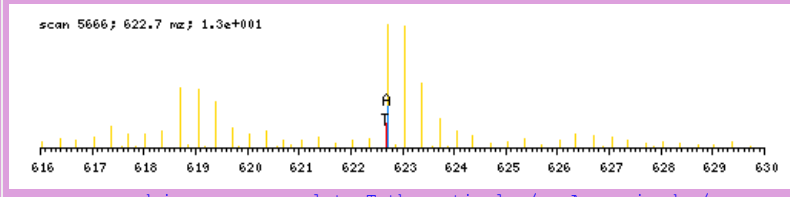
N-term:+29.04 K(10):+156.13

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

VVVPDVESLPSWAQKR, MH+ 1866.0489, m/z 622.6878
L OS G15 P120811 220811-s1.05668.05668.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

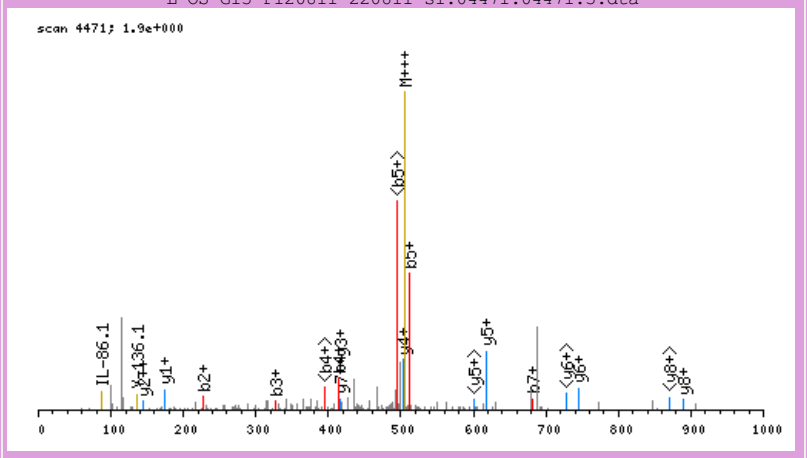


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

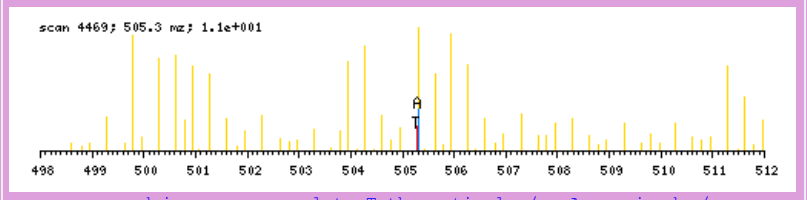
b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	16		
227.1759	2	V	15	1738.9492	869.9785
326.2443	3	V	14	1639.8808	820.4443
423.2971	4	P	13	1540.8124	770.9101
538.3240	5	D	12	1443.7596	722.3837
637.3925	6	V	11	1328.7327	664.8703
766.4351	7	E	10	1229.6643	615.3361
853.4671	8	S	9	1100.6217	550.8148
966.5511	9	L	8	1013.5897	507.2987
1063.6039	10	P	7	900.5056	450.7567
1150.6359	11	S	6	803.4528	402.2303
1336.7153	12	W	5	716.4208	358.7143
1407.7524	13	A	4	530.3415	265.6747
1535.8109	14	Q	3	459.3044	230.1561
1691.9372	15	K	2	331.2458	166.1268
	16	R	1	175.1195	88.0637

N-term:+29.04 K(15):+156.13

VVVSVIGSQNSQLR, MH+ 1513.8702, m/z 505.2949
L OS G13 P120811 220811-s1.04471.04471.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

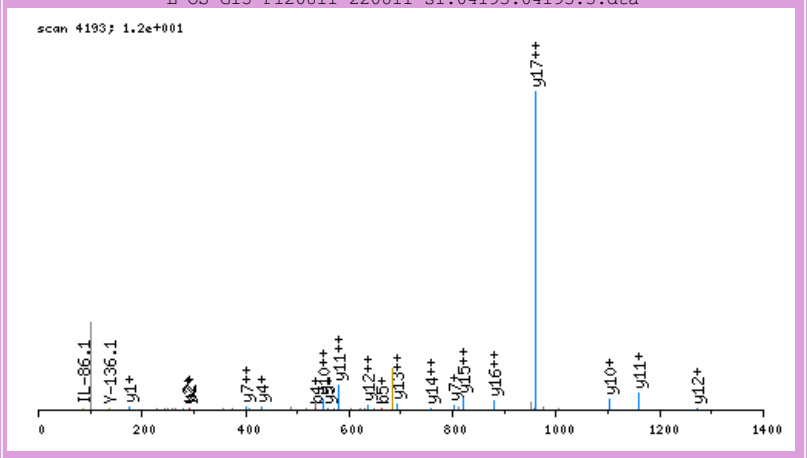
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [ ]+ [ ]2+ [ ]3+
b [x]+ [ ]2+ [ ]3+
c [ ]+ [ ]2+ [ ]3+
x [ ]+ [ ]2+ [ ]3+
y [x]+ [x]2+ [ ]3+
z [ ]+ [ ]2+ [ ]3+
hide H_2O/NH_3 [ ]
zoom 112-122 [ ]
GO

b^+	#	AA	#	y^+	y^{2+}
128.1075	1	V	14		
227.1759	2	V	13	1386.7705	693.8892
326.2443	3	V	12	1287.7021	644.3550
413.2764	4	S	11	1188.6337	594.8207
512.3448	5	V	10	1101.6016	551.3047
625.4288	6	I	9	1002.5332	501.7705
682.4503	7	G	8	**889.4492**	445.2285
769.4823	8	S	7	832.4277	**416.7178**
897.5409	9	Q	6	**745.3957**	373.2018
1011.5838	10	N	5	**617.3371**	309.1725
1098.6159	11	S	4	**503.2942**	252.1510
1226.6745	12	Q	3	**416.2621**	208.6350
1339.7585	13	L	2	288.2036	**144.6057**
	14	R	1	**175.1195**	88.0637

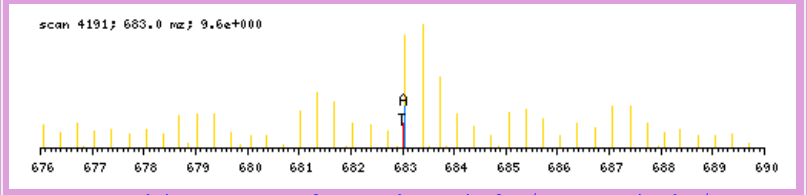
N-term:+29.04

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

VYDQELLGPSDKSEAALR, MH+ 2047.0712, m/z 683.0286
L OS G15 P120811 220811-s1.04193.04193.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



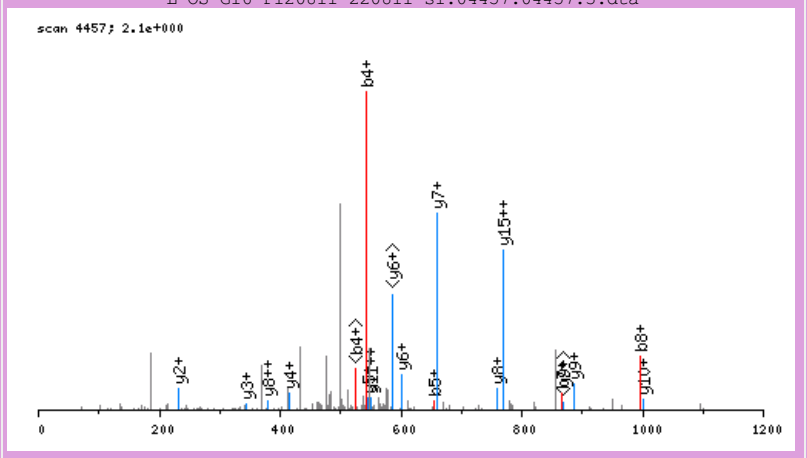
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

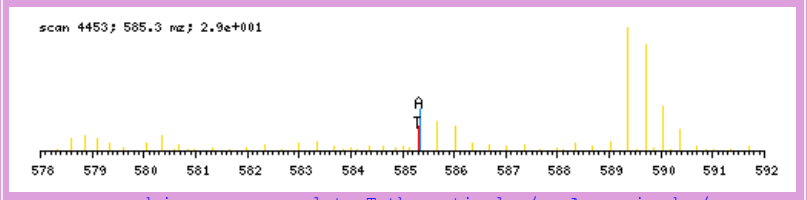
N-term:+29.04 K(12):+156.13

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

WAKVNPDEVGGEALGR, MH+ 1753.9237, m/z 585.3128
L OS G16 P120811 220811-s1.04457.04457.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



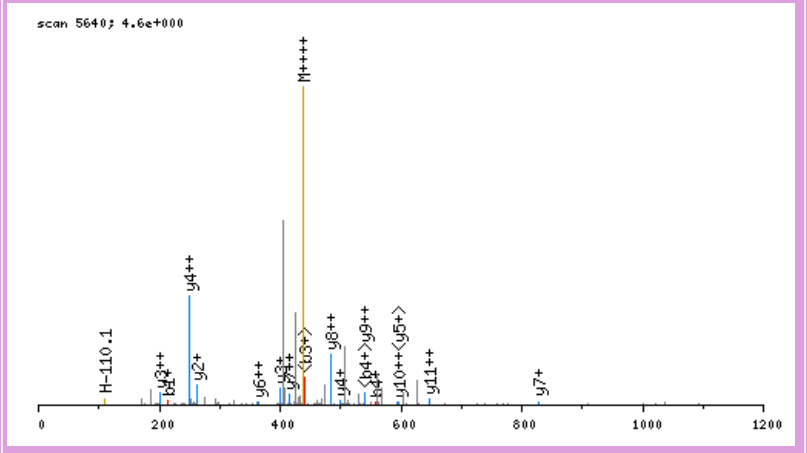
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	16		
286.1555	2	A	15	1539.8131	**770.4105**
442.2818	3	K	14	1468.7760	734.8919
541.3502	4	V	13	1312.6497	656.8288
655.3932	5	N	12	1213.5813	607.2946
752.4459	6	P	11	1099.5384	**550.2731**
867.4729	7	D	10	**1002.4856**	501.7467
996.5155	8	E	9	**887.4587**	444.2332
1095.5839	9	V	8	**758.4161**	**379.7120**
1152.6053	10	G	7	**659.3477**	330.1777
1209.6268	11	G	6	**602.3262**	301.6670
1338.6694	12	E	5	**545.3047**	273.1563
1409.7065	13	A	4	**416.2621**	208.6350
1522.7906	14	L	3	**345.2250**	173.1164
1579.8120	15	G	2	**232.1410**	116.5744
	16	R	1	175.1195	88.0637

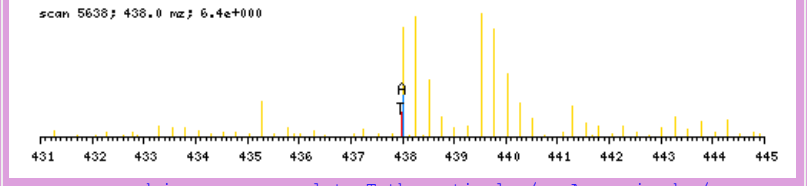
N-term:+29.04 K(3):+156.13

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

WELTILHTNDVHSR, MH+ 1748.9084, m/z 437.9825
L OS G17 P120811 220811-s1.05640.05640.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



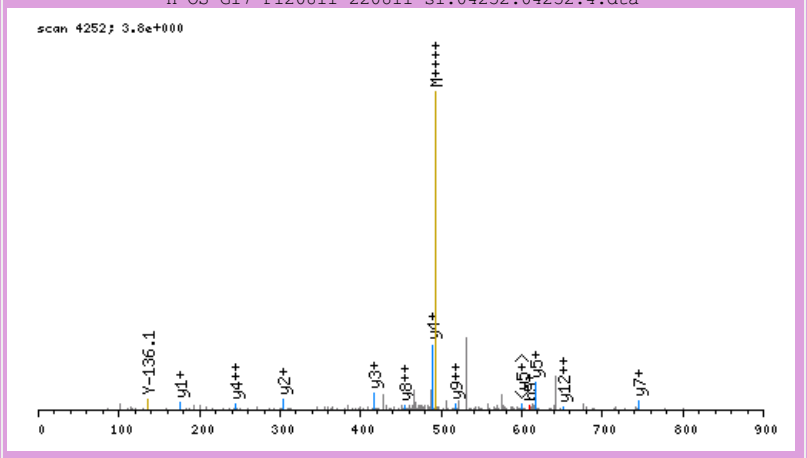
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	**1**	**W**	**14**		
344.1610	**2**	**E**	**13**	1534.7978	767.9028
457.2451	**3**	**L**	**12**	1405.7552	703.3815
558.2927	**4**	**T**	**11**	1292.6711	**646.8395**
671.3768	**5**	**I**	**10**	1191.6234	**596.3156**
784.4609	**6**	**L**	**9**	1078.5394	**539.7736**
921.5198	**7**	**H**	**8**	965.4553	**483.2316**
1022.5675	**8**	**T**	**7**	**828.3964**	**414.7021**
1136.6104	**9**	**N**	**6**	727.3487	**364.1783**
1251.6373	**10**	**D**	**5**	613.3058	307.1568
1350.7058	**11**	**V**	**4**	**498.2789**	**249.6433**
1487.7647	**12**	**H**	**3**	**399.2104**	**200.1091**
1574.7967	**13**	**S**	**2**	**262.1515**	131.5797
	14	**R**	**1**	175.1195	88.0637

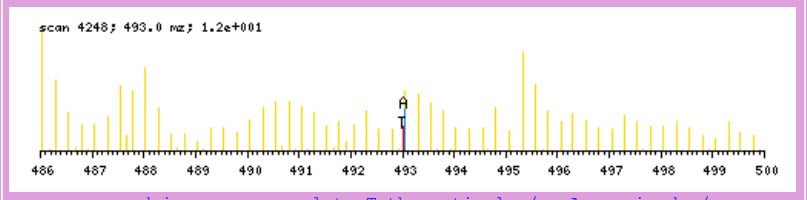
N-term:+29.04

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

WGKIGGHGAEYGAEALER, MH+ 1969.0568, m/z 493.0197
H OS G17 P120811 220811-s1.04252.04252.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



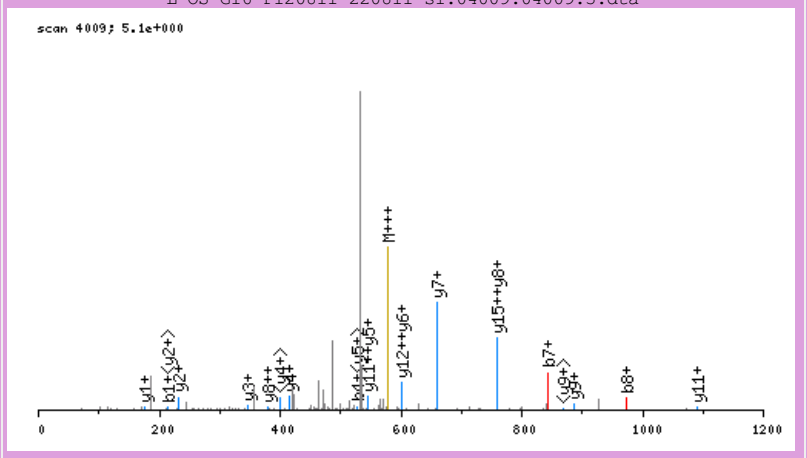
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
221.1502	1	W	18		
278.1717	2	G	17	1748.9144	874.9611
440.3298	3	K	16	1691.8929	846.4504
553.4138	4	I	15	1529.7348	765.3713
610.4353	5	G	14	1416.6508	708.8293
667.4568	6	G	13	1359.6293	680.3186
804.5157	7	H	12	1302.6079	**651.8078**
861.5371	8	G	11	1165.5489	583.2784
932.5743	9	A	10	1108.5275	554.7677
1061.6169	10	E	9	1037.4904	**519.2491**
1224.6802	11	Y	8	908.4478	**454.7278**
1281.7016	12	G	7	**745.3844**	373.1961
1352.7388	13	A	6	688.3630	344.6854
1481.7814	14	E	5	**617.3259**	309.1668
1552.8185	15	A	4	**488.2833**	**244.6455**
1665.9025	16	L	3	**417.2462**	209.1270
1794.9451	17	E	2	**304.1621**	152.5850
	18	R	1	**175.1195**	88.0637

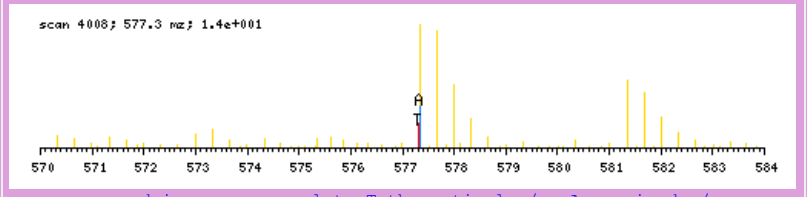
N-term:+35.07 K(3):+162.16

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

WGKVNSDEVGGEALGR, MH+ 1729.8873, m/z 577.3006
L OS G16 P120811 220811-s1.04009.04009.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



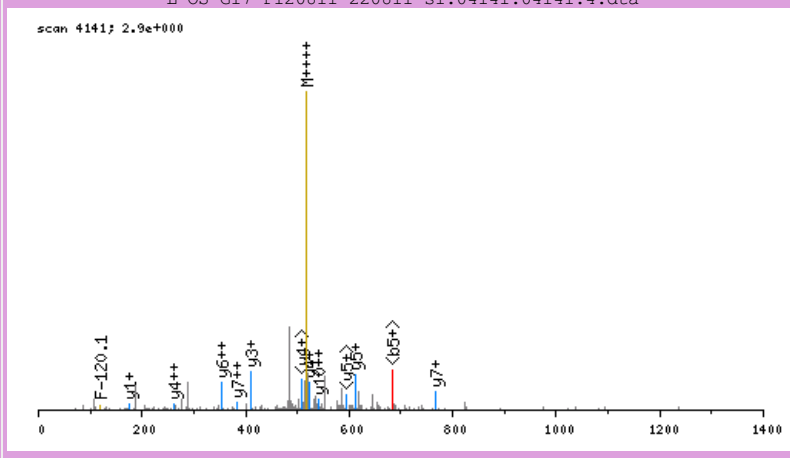
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

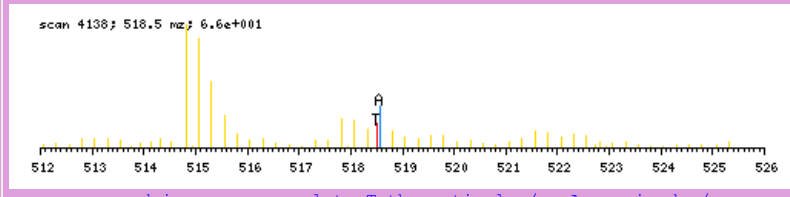
N-term:+29.04 K(3):+156.13

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

WISKQEYDEAGPSIVHR, MH+ 2071.0613, m/z 518.5208
L OS G17 P120811 220811-s1.04141.04141.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



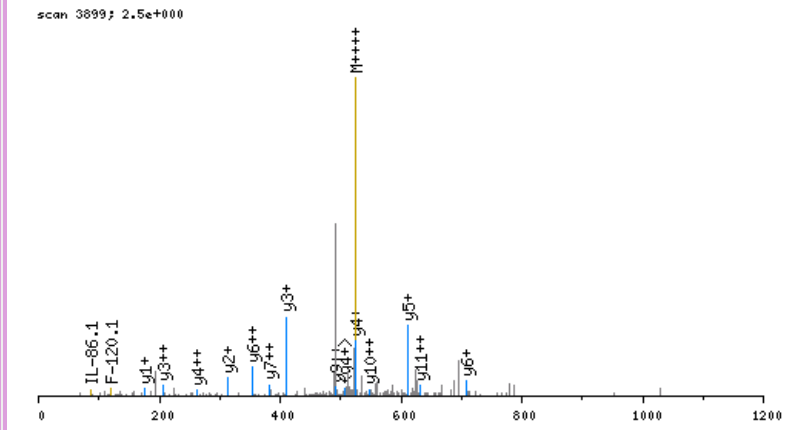
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	17		
328.2025	2	I	16	1856.9507	928.9793
415.2345	3	S	15	1743.8666	872.4372
571.3608	4	K	14	1656.8346	828.9212
699.4194	5	Q	13	1500.7083	750.8581
828.4620	6	E	12	1372.6497	686.8288
991.5253	7	Y	11	1243.6071	622.3075
1106.5522	8	D	10	1080.5438	**540.7758**
1235.5948	9	E	9	965.5169	483.2623
1306.6320	10	A	8	836.4743	418.7410
1363.6534	11	G	7	**765.4371**	**383.2225**
1460.7062	12	P	6	708.4157	**354.7118**
1547.7382	13	S	5	**611.3629**	306.1854
1660.8223	14	I	4	**524.3309**	**262.6694**
1759.8907	15	V	3	**411.2468**	206.1273
1896.9496	16	H	2	312.1784	156.5931
	17	R	1	**175.1195**	88.0637

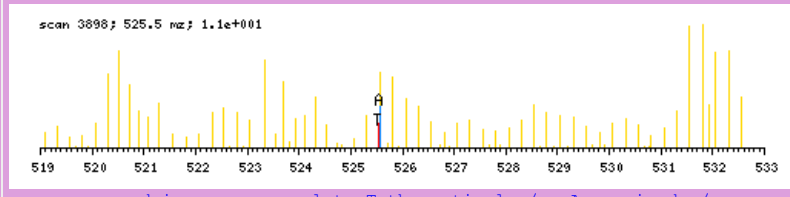
N-term:+29.04 K(4):+156.13

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

WISKQEYDESGPSIVHR, MH+ 2099.1198, m/z 525.5354
H OS G17 P120811 220811-s1.03899.03899.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



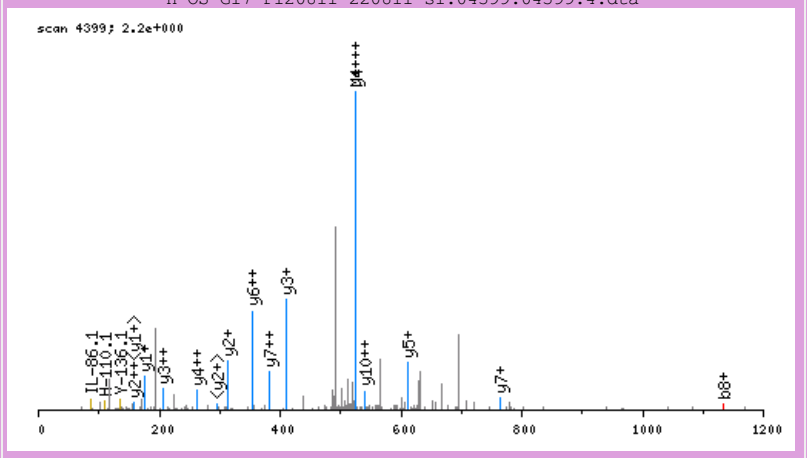
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

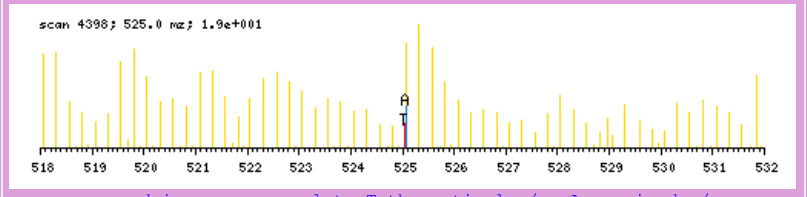
N-term:+35.07 K(4):+162.16

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 G17 P120811 220811-s1.04399.04399.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



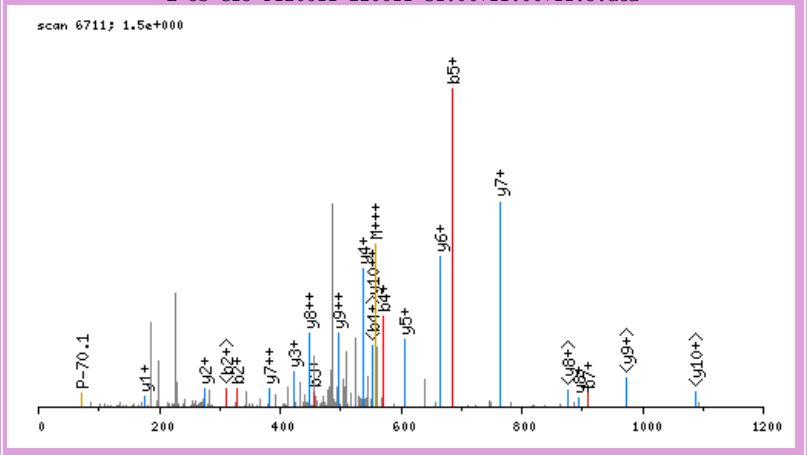
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

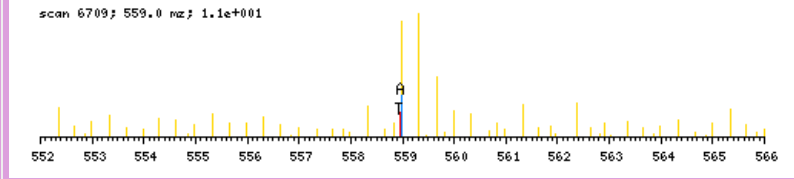
N-term:+35.07 K(4):+162.16

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

WLEINPETGAIFTR, MH+ 1674.8855, m/z 558.9667
L OS G13 P120811 220811-s1.06711.06711.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



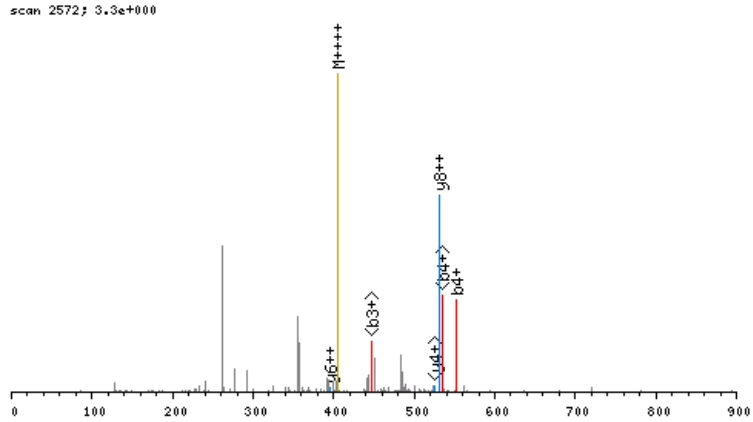
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	14		
328.2025	2	L	13	1460.7749	730.8914
457.2451	3	E	12	1347.6909	674.3493
570.3291	4	I	11	1218.6483	609.8280
684.3721	5	N	10	1105.5642	**553.2860**
781.4248	6	P	9	991.5213	**496.2645**
910.4674	7	E	8	**894.4685**	**447.7382**
1011.5151	8	T	7	**765.4259**	**383.2169**
1068.5366	9	G	6	**664.3782**	332.6930
1139.5737	10	A	5	**607.3568**	304.1823
1252.6577	11	I	4	**536.3197**	268.6637
1399.7262	12	F	3	**423.2356**	212.1217
1500.7738	13	T	2	**276.1672**	138.5875
	14	R	1	**175.1195**	88.0637

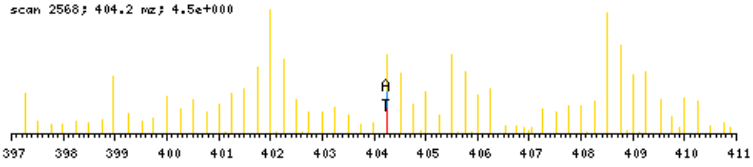
N-term:+29.04

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

WLHSDKFTLKVR, MH+ 1613.9532, m/z 404.2438
L OS G17 P120811 220811-s1.02572.02572.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



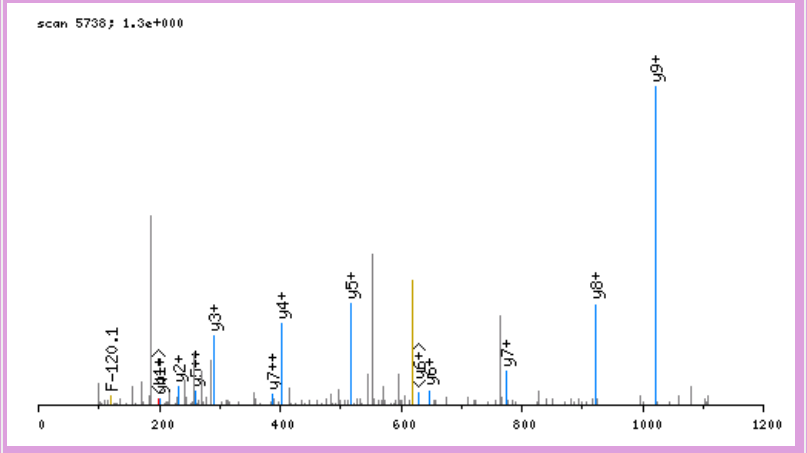
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	12		
328.2025	2	L	11	1399.8426	700.4252
465.2614	3	H	10	1286.7586	643.8832
552.2934	4	S	9	1149.6996	575.3537
667.3204	5	D	8	1062.6676	**531.8377**
823.4467	6	K	7	947.6407	474.3242
970.5151	7	F	6	791.5144	**396.2611**
1071.5628	8	T	5	644.4460	322.7269
1184.6468	9	L	4	543.3983	272.2031
1340.7731	10	K	3	430.3142	215.6610
1439.8415	11	V	2	274.1879	137.5979
	12	R	1	175.1195	88.0637

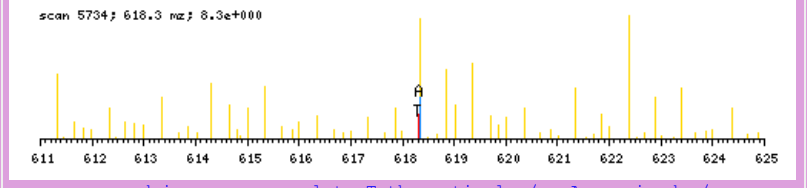
N-term:+29.04 K(6):+156.13
K(10):+156.13

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

WVFEEDIGGR, MH+ 1235.6060, m/z 618.3067
L OS G13 P120811 220811-s1.05738.05738.2.dta



click image to zoom in; click top corners to zoom out [precursor±]



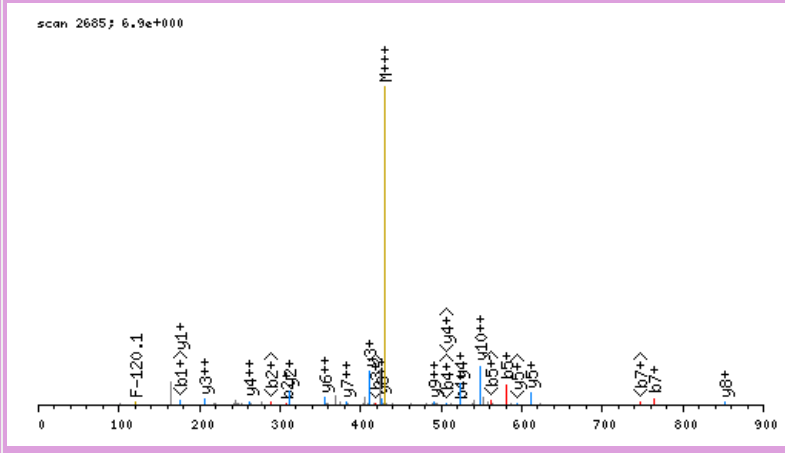
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
215.1184	1	W	10		
314.1868	2	V	9	**1021.4954**	511.2516
461.2552	3	F	8	**922.4270**	461.7174
590.2978	4	E	7	**775.3586**	**388.1832**
719.3404	5	E	6	**646.3160**	323.6619
834.3674	6	D	5	**517.2734**	**259.1406**
947.4514	7	I	4	**402.2465**	**201.6272**
1004.4729	8	G	3	**289.1624**	145.0851
1061.4944	9	G	2	**232.1410**	116.5744
	10	R	1	175.1195	88.0637

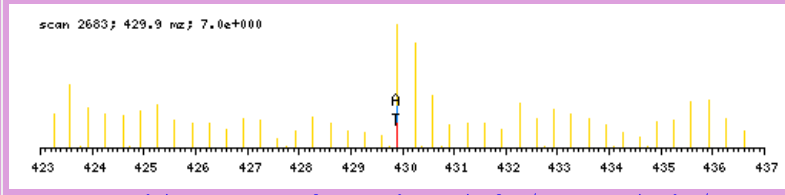
N-term:+29.04

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

YDESGPSIVHR, MH+ 1287.6333, m/z 429.8826
L OS G16 P120811 220811-s1.02685.02685.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



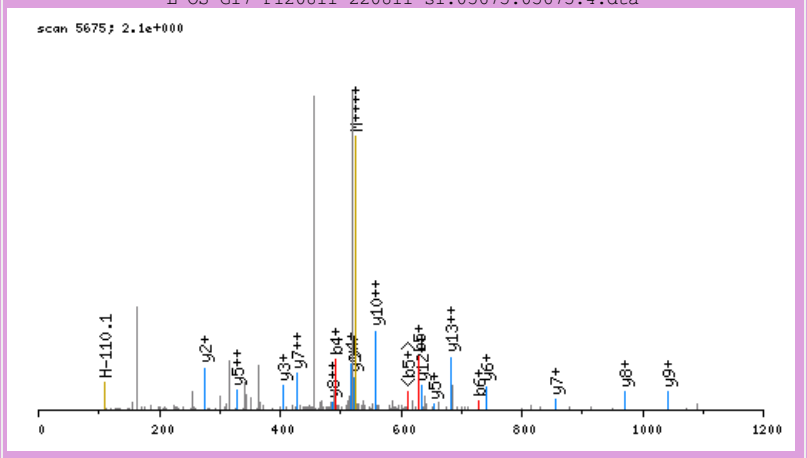
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	11		
307.1294	2	D	10	1096.5387	**548.7733**
436.1720	3	E	9	981.5118	**491.2598**
523.2040	4	S	8	**852.4692**	**426.7385**
580.2255	5	G	7	765.4371	**383.2225**
677.2782	6	P	6	708.4157	**354.7118**
764.3102	7	S	5	**611.3629**	306.1854
877.3943	8	I	4	**524.3309**	**262.6694**
976.4627	9	V	3	**411.2468**	**206.1273**
1113.5216	10	H	2	**312.1784**	156.5931
	11	R	1	**175.1195**	88.0637

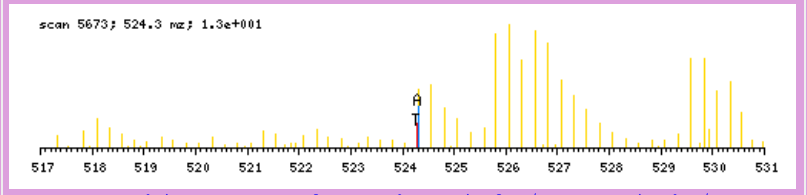
N-term:+29.04

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

YDIAHTPGVAADLSHIETR, MH+ 2094.0620, m/z 524.2709
L OS G17 P120811 220811-s1.05675.05675.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



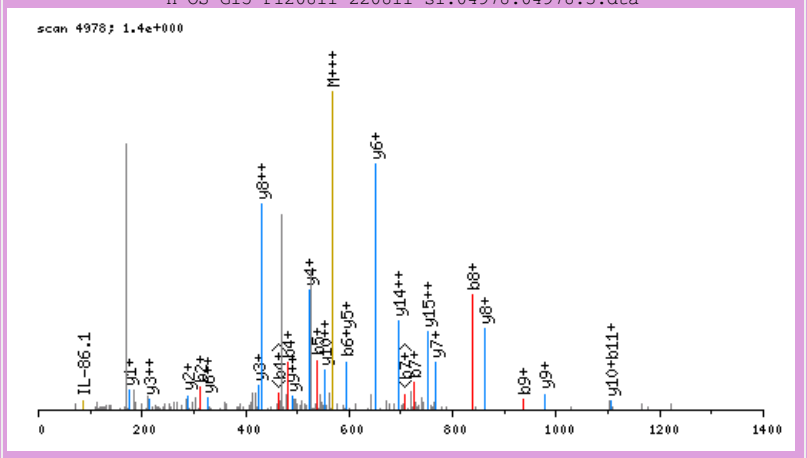
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	19		
307.1294	2	D	18	1902.9674	951.9876
420.2134	3	I	17	1787.9404	894.4741
491.2505	4	A	16	1674.8564	837.9321
628.3095	5	H	15	1603.8192	802.4135
729.3571	6	T	14	1466.7603	733.8841
826.4099	7	P	13	1365.7127	**683.3602**
883.4314	8	G	12	1268.6599	**634.8339**
982.4998	9	V	11	1211.6384	606.3231
1053.5369	10	A	10	1112.5700	**556.7889**
1124.5740	11	A	9	**1041.5329**	**521.2704**
1239.6010	12	D	8	**970.4958**	**485.7518**
1352.6850	13	L	7	**855.4688**	**428.2383**
1439.7170	14	S	6	**742.3848**	371.6963
1576.7760	15	H	5	**655.3527**	**328.1803**
1689.8600	16	I	4	**518.2938**	259.6508
1818.9026	17	E	3	**405.2098**	203.1088
1919.9503	18	T	2	**276.1672**	138.5875
	19	R	1	175.1195	88.0637

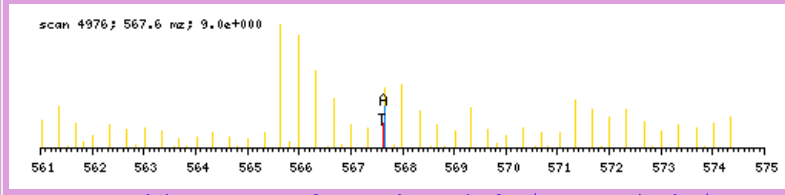
N-term:+29.04

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

YDPAGGEDPLGAVHLR, MH+ 1700.8820, m/z 567.6322
H OS G15 P120811 220811-s1.04978.04978.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



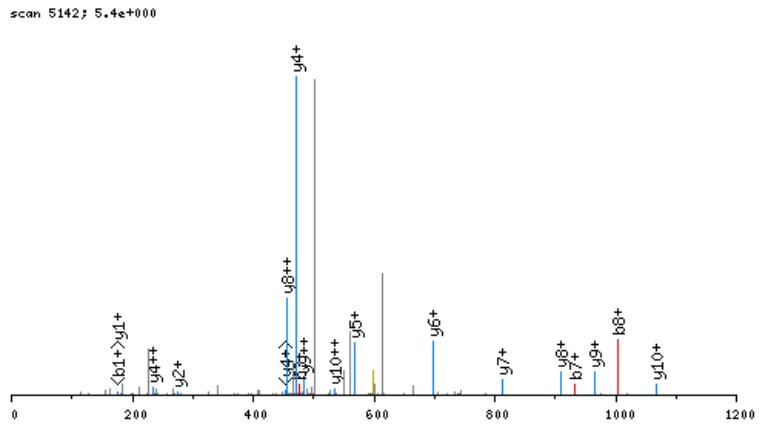
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

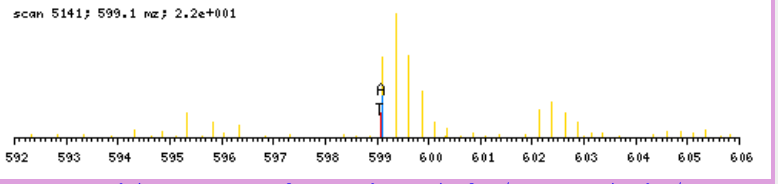
N-term:+35.07

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

YEKPQTEAPQVTGPIEVPVVR, MH+ 2393.3080, m/z 599.0825
L OS G14 P120811 220811-s1.05142.05142.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



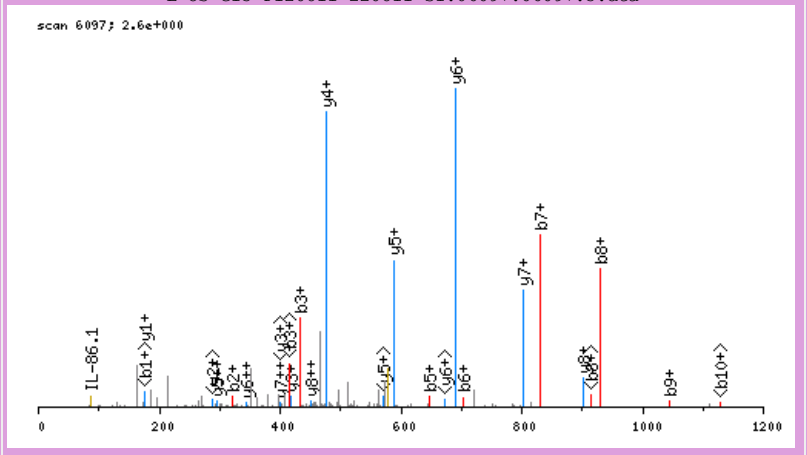
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

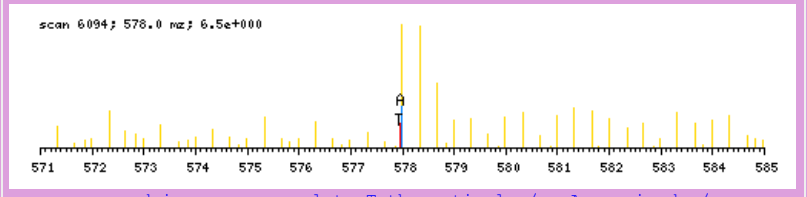
N-term:+29.04 K(3):+156.13

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

YELPDGQVITIGNER, MH+ 1731.8917, m/z 577.9688
L OS G13 P120811 220811-s1.06097.06097.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



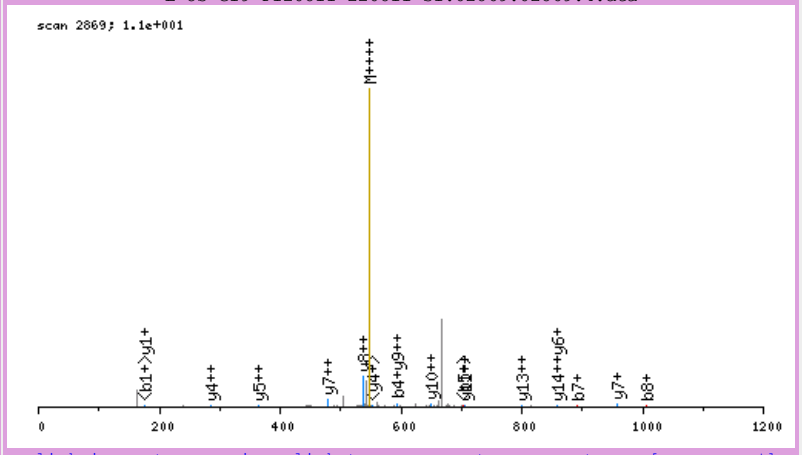
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
321.1450	2	E	14	1540.7971	770.9025
434.2291	3	L	13	1411.7545	706.3812
531.2818	4	P	12	1298.6705	649.8391
646.3088	5	D	11	1201.6177	601.3128
703.3303	6	G	10	1086.5907	543.7993
831.3888	7	Q	9	1029.5693	515.2886
930.4572	8	V	8	**901.5107**	**451.2593**
1043.5413	9	I	7	**802.4423**	**401.7251**
1144.5890	10	T	6	**689.3582**	**345.1830**
1257.6731	11	I	5	**588.3105**	**294.6592**
1314.6945	12	G	4	**475.2265**	238.1172
1428.7374	13	N	3	**418.2050**	209.6064
1557.7800	14	E	2	304.1621	152.5850
	15	R	1	**175.1195**	88.0637

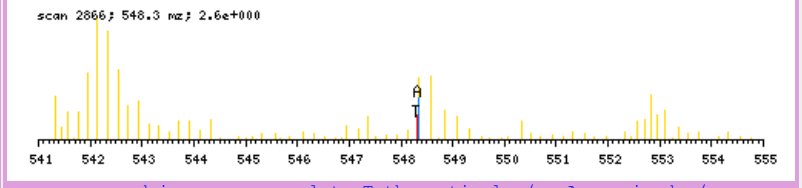
N-term:+29.04

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

YERDEGNNLLTEKQKLR, MH+ 2190.1883, m/z 548.3025
L OS G19 P120811 220811-s1.02869.02869.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



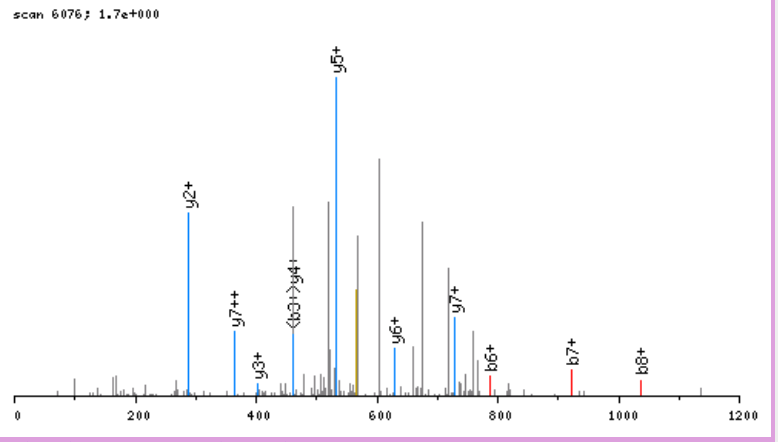
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
321.1450	2	E	16	1999.0937	1000.0508
477.2461	3	R	15	1870.0511	935.5295
592.2731	4	D	14	1713.9500	**857.4789**
721.3157	5	E	13	1598.9231	**799.9654**
778.3371	6	G	12	1469.8805	735.4441
892.3801	7	N	11	1412.8590	**706.9334**
1006.4230	8	N	10	1298.8161	**649.9119**
1119.5071	9	L	9	1184.7731	**592.8905**
1232.5911	10	L	8	1071.6891	**536.3485**
1333.6388	11	T	7	**958.6050**	**479.8064**
1462.6814	12	E	6	**857.5573**	429.2826
1618.8077	13	K	5	728.5147	**364.7613**
1746.8663	14	Q	4	572.3884	**286.6981**
1902.9926	15	K	3	444.3299	222.6688
2016.0766	16	L	2	288.2036	144.6057
	17	R	1	**175.1195**	88.0637

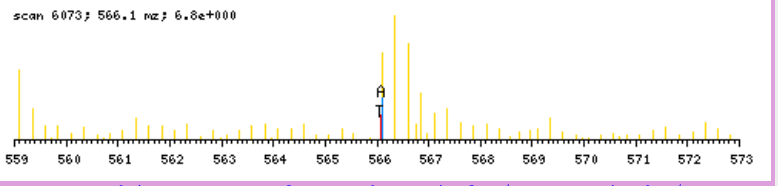
N-term:+29.04 K(13):+156.13
K(15):+156.13

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

YERPVLHLVALNTPVAGDIR, MH+ 2261.2770, m/z 566.0747
L OS G17 P120811 220811-s1.06076.06076.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



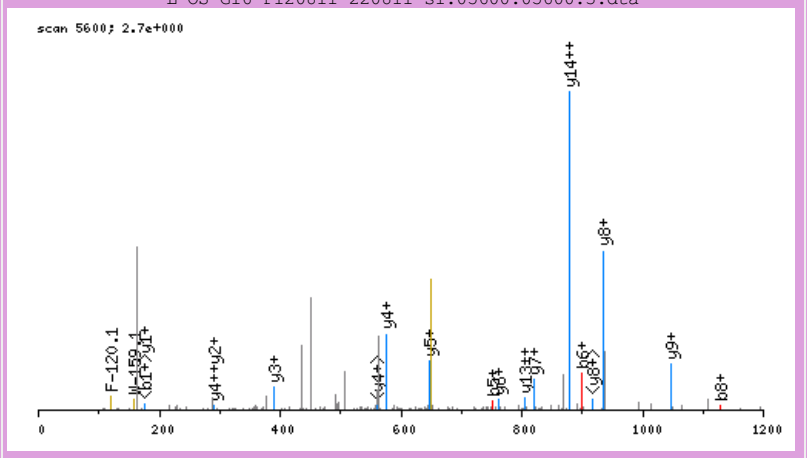
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	20		
321.1450	2	E	19	2070.1824	1035.5951
477.2461	3	R	18	1941.1398	971.0738
574.2989	4	P	17	1785.0387	893.0233
673.3673	5	V	16	1687.9859	844.4969
786.4514	6	L	15	1588.9175	794.9627
923.5103	7	H	14	1475.8334	738.4206
1036.5944	8	L	13	1338.7745	669.8912
1135.6628	9	V	12	1225.6905	613.3491
1206.6999	10	A	11	1126.6220	563.8149
1319.7839	11	L	10	1055.5849	528.2964
1433.8269	12	N	9	942.5009	471.7543
1534.8745	13	T	8	828.4579	414.7329
1631.9273	14	P	7	**727.4103**	**364.2090**
1730.9957	15	V	6	**630.3575**	315.6827
1802.0328	16	A	5	**531.2891**	266.1485
1859.0543	17	G	4	**460.2520**	230.6299
1974.0812	18	D	3	**403.2305**	202.1192
2087.1653	19	I	2	**288.2036**	144.6057
	20	R	1	175.1195	88.0637

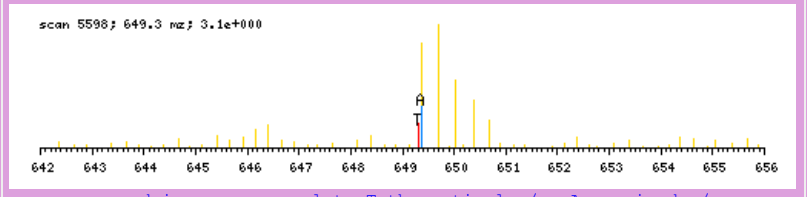
N-term:+29.04

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

YFKEQFLDGDAWTNR, MH+ 1945.9448, m/z 649.3198
L OS G16 P120811 220811-s1.05600.05600.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



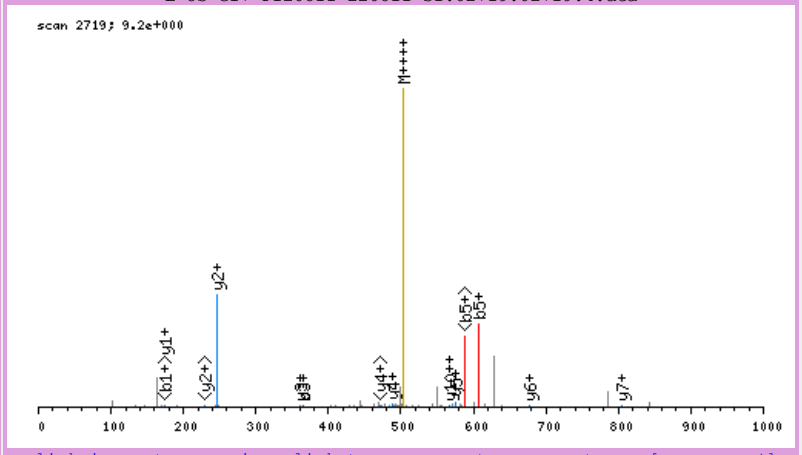
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

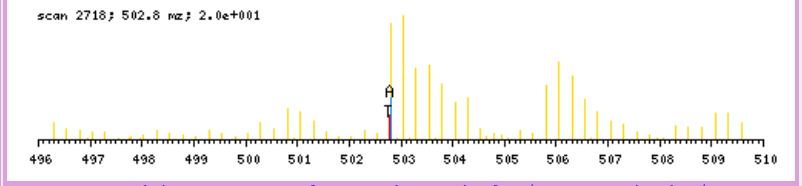
N-term:+29.04 K(3):+156.13

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

YGDLEKDKGLQTSQDAR, MH+ 2008.0352, m/z 502.7642
L OS G17 P120811 220811-s1.02719.02719.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



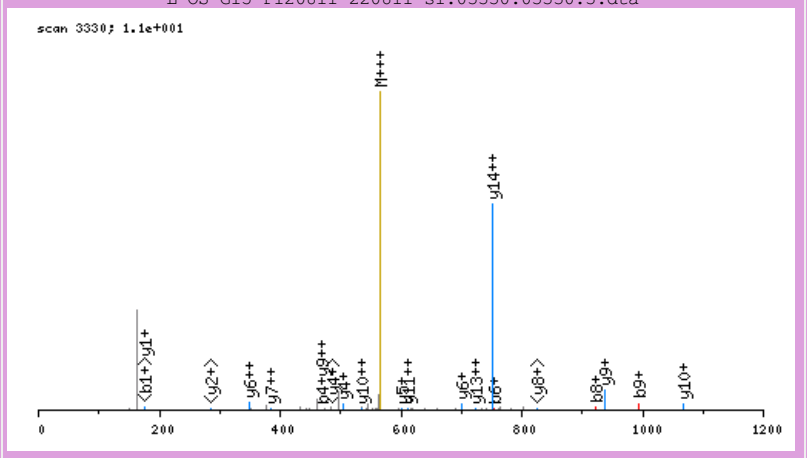
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
249.1239	2	G	16	1816.9406	908.9742
364.1508	3	D	15	1759.9191	880.4635
477.2349	4	L	14	1644.8921	822.9500
606.2775	5	E	13	1531.8081	766.4080
762.4038	6	K	12	1402.7655	701.8867
877.4307	7	D	11	1246.6392	623.8235
1033.5570	8	K	10	1131.6122	**566.3100**
1090.5785	9	G	9	975.4859	488.2469
1203.6626	10	L	8	918.4645	459.7362
1331.7211	11	Q	7	**805.3804**	403.1941
1432.7688	12	T	6	**677.3218**	339.1648
1519.8008	13	S	5	**576.2742**	288.6410
1647.8594	14	Q	4	**489.2421**	245.1250
1762.8864	15	D	3	**361.1836**	181.0957
1833.9235	16	A	2	**246.1566**	123.5822
	17	R	1	**175.1195**	88.0637

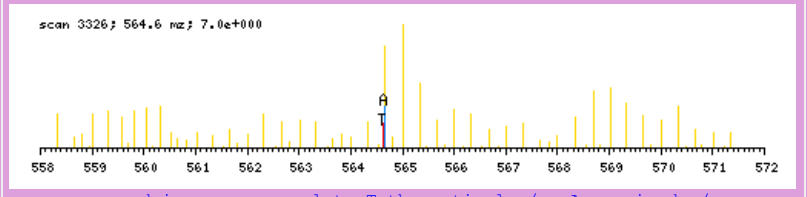
N-term:+29.04 K(6):+156.13
K(8):+156.13

YGGYKEPAAPVSIQR, MH+ 1691.9121, m/z 564.6422
L OS G15 P120811 220811-s1.03330.03330.3.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±]



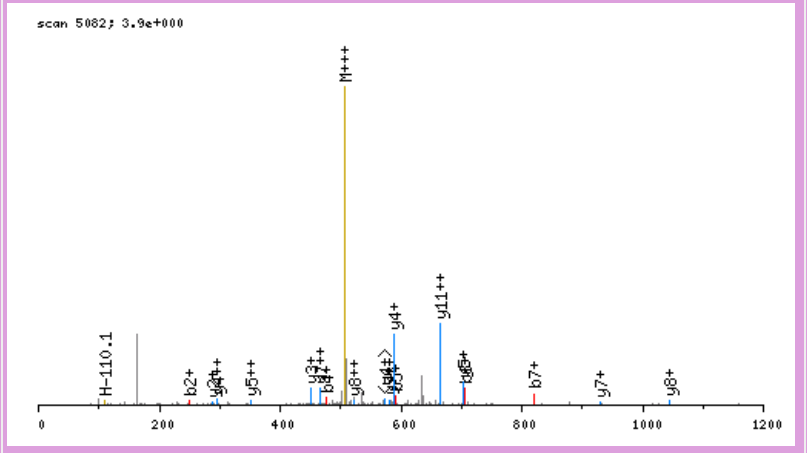
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
249.1239	2	G	14	1500.8175	**750.9127**
306.1454	3	G	13	1443.7960	**722.4019**
469.2087	4	Y	12	1386.7746	693.8912
625.3350	5	K	11	1223.7112	**612.3595**
754.3776	6	E	10	**1067.5849**	**534.2964**
851.4303	7	P	9	**938.5423**	**469.7751**
922.4675	8	A	8	841.4896	421.2487
993.5046	9	A	7	770.4525	**385.7301**
1090.5573	10	P	6	**699.4153**	**350.2116**
1189.6257	11	V	5	**602.3626**	301.6852
1276.6578	12	S	4	**503.2942**	252.1510
1389.7418	13	I	3	416.2621	208.6350
1517.8004	14	Q	2	303.1781	152.0930
	15	R	1	**175.1195**	88.0637

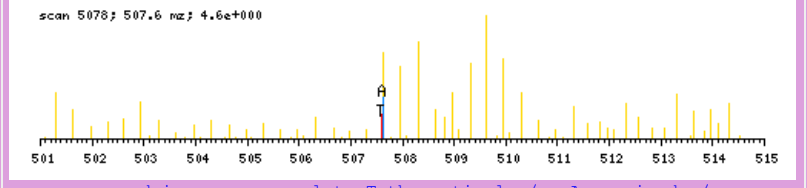
N-term:+29.04 K(5):+156.13

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

YGIDDNLLHYNR, MH+ 1520.7497, m/z 507.5881
L OS G16 P120811 220811-s1.05082.05082.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



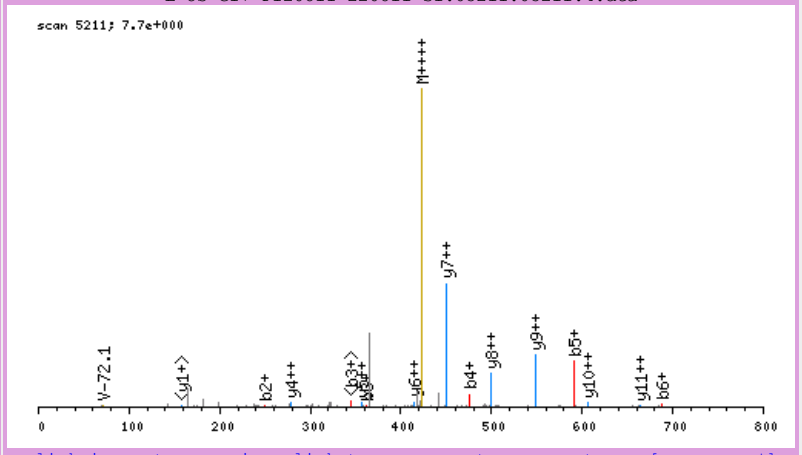
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

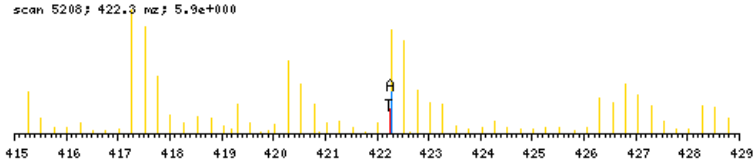
N-term:+29.04

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

YGINDPVADKLLKR, MH+ 1685.9955, m/z 422.2543
L OS G17 P120811 220811-s1.05211.05211.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



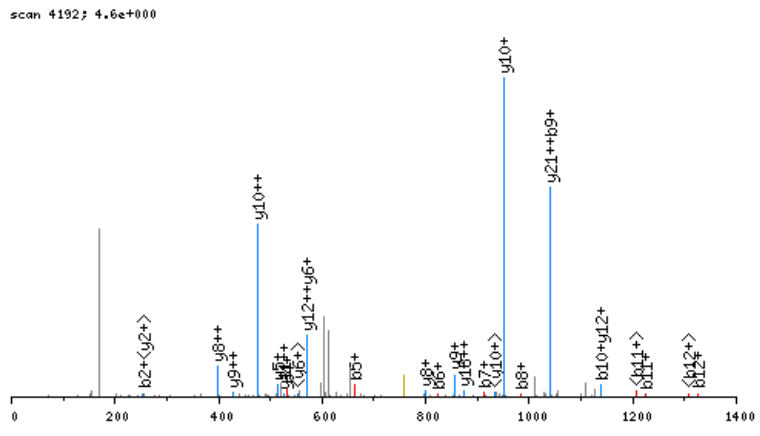
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	14		
249.1239	2	G	13	1494.9009	747.9543
362.2080	3	I	12	1437.8794	719.4436
476.2509	4	N	11	1324.7953	**662.9016**
591.2778	5	D	10	1210.7524	**605.8801**
688.3306	6	P	9	1095.7255	**548.3666**
787.3990	7	V	8	998.6727	**499.8403**
858.4361	8	A	7	899.6043	**450.3061**
973.4631	9	D	6	828.5672	**414.7875**
1129.5894	10	K	5	713.5402	**357.2740**
1242.6734	11	L	4	557.4139	**279.2109**
1355.7575	12	L	3	444.3299	222.6688
1511.8838	13	K	2	331.2458	166.1268
	14	R	1	175.1195	88.0637

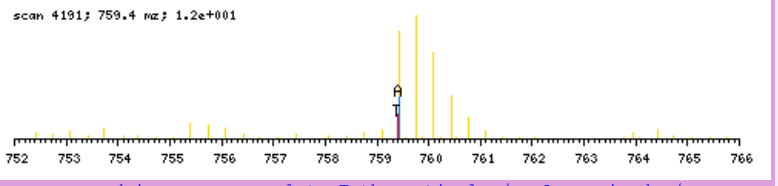
N-term:+29.04 K(10):+156.13
K(13):+156.13

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

YGYDEKSAGVSVPGPMGPSGPR, MH+ 2276.1658, m/z 759.3934
H OS G15 P120811 220811-s1.04192.04192.3.dta



click image to zoom in; click top corners to zoom out [precursor]



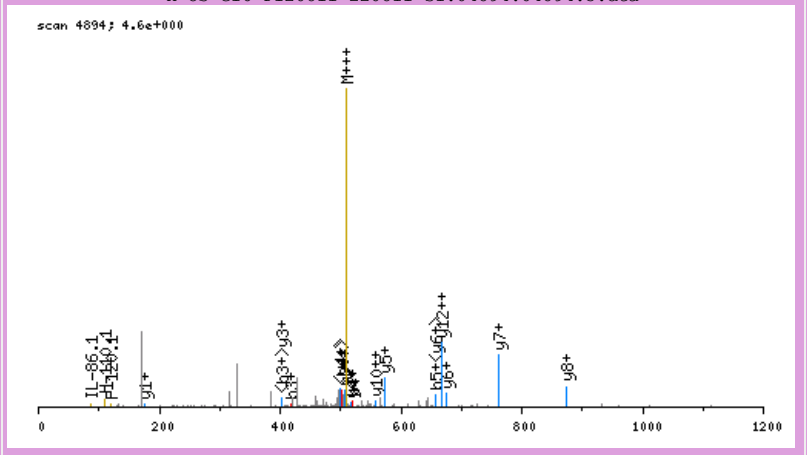
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

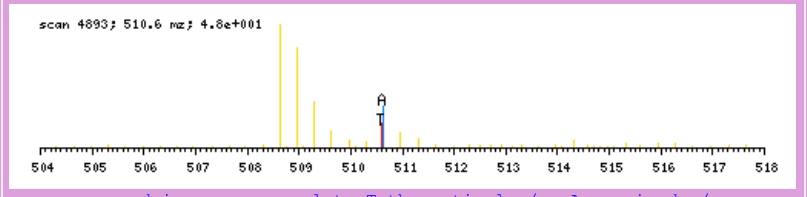
N-term:+35.07 K(6):+162.16

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 G16 P120811 220811-s1.04894.04894.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



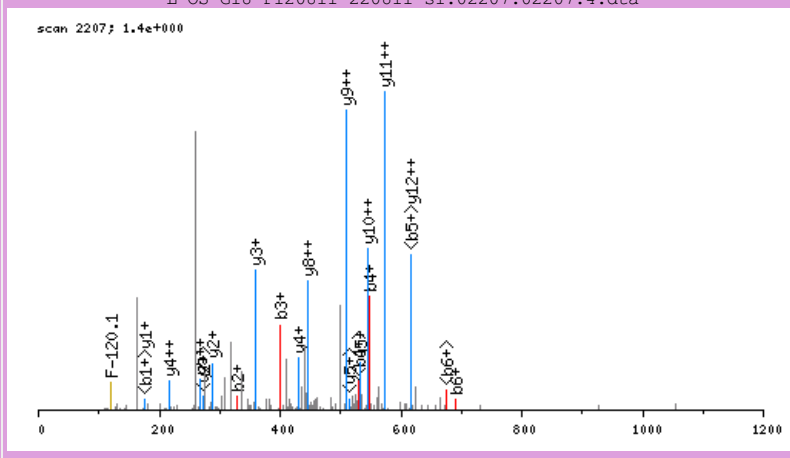
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

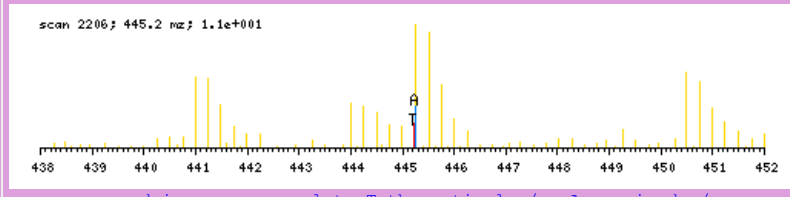
N-term:+35.07

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+ 1777.8986, m/z 445.2301
L OS G18 P120811 220811-s1.02207.02207.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



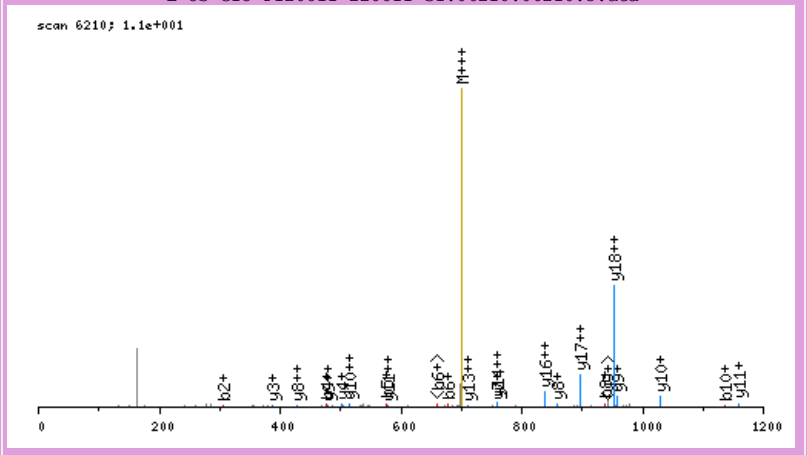
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	16		
329.1613	2	H	15	1586.8040	793.9059
400.1985	3	A	14	1449.7451	725.3764
547.2669	4	F	13	1378.7079	689.8579
634.2989	5	S	12	1231.6395	**616.3237**
691.3204	6	G	11	1144.6075	**572.8077**
762.3575	7	A	10	1087.5860	**544.2969**
890.4161	8	Q	9	1016.5489	**508.7784**
1046.5424	9	K	8	888.4903	**444.7491**
1117.5795	10	A	7	732.3640	366.6859
1246.6221	11	E	6	661.3269	331.1674
1347.6697	12	T	5	**532.2843**	**266.6461**
1418.7069	13	A	4	**431.2367**	**216.1222**
1489.7440	14	A	3	**360.1995**	180.6037
1603.7869	15	N	2	**289.1624**	145.0851
	16	R	1	**175.1195**	88.0637

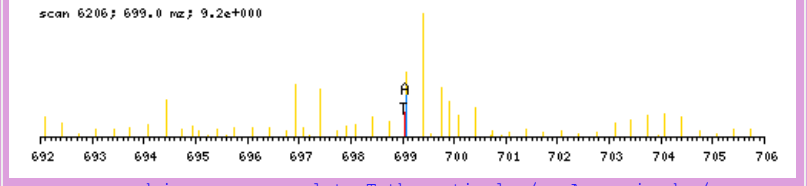
N-term:+29.04 K(9):+156.13

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

YIDGVTMEEATVSGILGKR, MH+ 2095.1109, m/z 699.0418
L OS G15 P120811 220811-s1.06210.06210.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



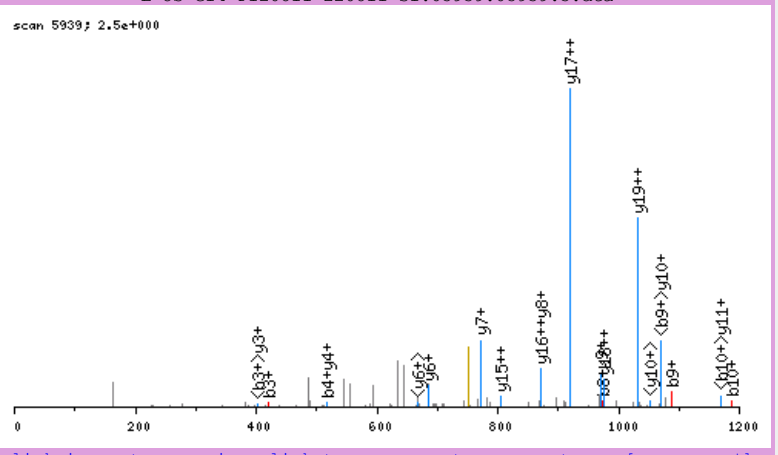
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	19		
305.1865	2	I	18	1904.0163	**952.5121**
420.2134	3	D	17	1790.9323	**895.9700**
477.2349	4	G	16	1675.9053	**838.4566**
576.3033	5	V	15	1618.8839	809.9458
677.3510	6	T	14	1519.8154	**760.4116**
808.3915	7	M	13	1418.7678	**709.8878**
937.4341	8	E	12	1287.7273	644.3676
1066.4767	9	E	11	**1158.6847**	**579.8463**
1137.5138	10	A	10	**1029.6421**	**515.3250**
1238.5615	11	T	9	**958.6050**	**479.8064**
1337.6299	12	V	8	**857.5573**	**429.2826**
1424.6619	13	S	7	**758.4889**	379.7484
1481.6834	14	G	6	671.4569	336.2323
1594.7674	15	I	5	614.4354	307.7216
1707.8515	16	L	4	**501.3513**	251.1796
1764.8730	17	G	3	**388.2673**	194.6375
1920.9993	18	K	2	331.2458	166.1268
	19	R	1	175.1195	88.0637

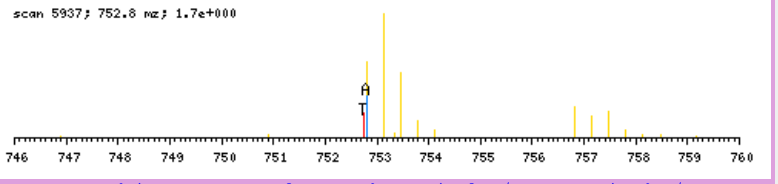
N-term:+29.04 K(18):+156.13

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

YIDPEKGDIVTVVSPALLDR, MH+ 2256.2491, m/z 752.7546
L OS G14 P120811 220811-s1.05939.05939.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



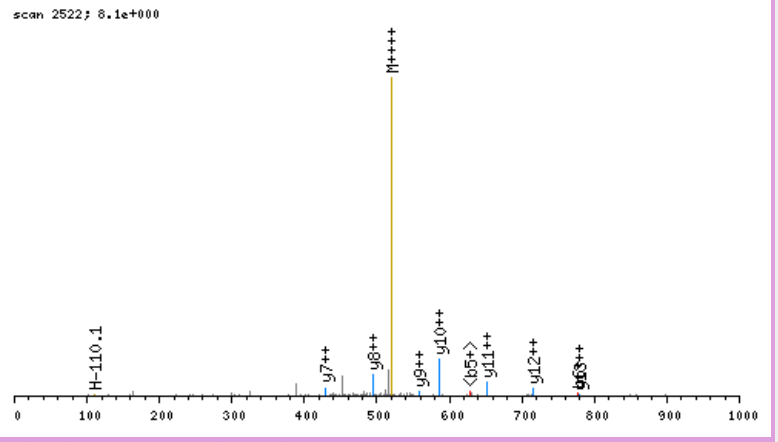
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	20		
305.1865	2	I	19	2065.1545	**1033.0812**
420.2134	3	D	18	1952.0705	**976.5391**
517.2662	4	P	17	1837.0435	**919.0257**
646.3088	5	E	16	1739.9908	**870.4993**
802.4351	6	K	15	1610.9482	**805.9780**
859.4566	7	G	14	1454.8219	727.9148
974.4835	8	D	13	1397.8004	699.4041
1087.5676	9	I	12	1282.7735	641.8906
1186.6360	10	V	11	**1169.6894**	585.3486
1287.6837	11	T	10	**1070.6210**	535.8144
1386.7521	12	V	9	**969.5733**	485.2906
1485.8205	13	V	8	**870.5049**	435.7564
1572.8525	14	S	7	**771.4365**	386.2222
1669.9053	15	P	6	**684.4044**	342.7061
1740.9424	16	A	5	587.3517	294.1798
1854.0265	17	L	4	**516.3146**	258.6612
1967.1105	18	L	3	**403.2305**	202.1192
2082.1375	19	D	2	290.1464	145.5771
	20	R	1	175.1195	88.0637

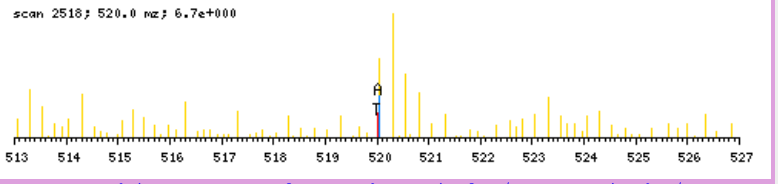
N-term:+29.04 K(6):+156.13

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

YKGLEEEGEEGNKQNLR, MH+ 2077.0566, m/z 520.0196
L OS G17 P120811 220811-s1.02522.02522.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



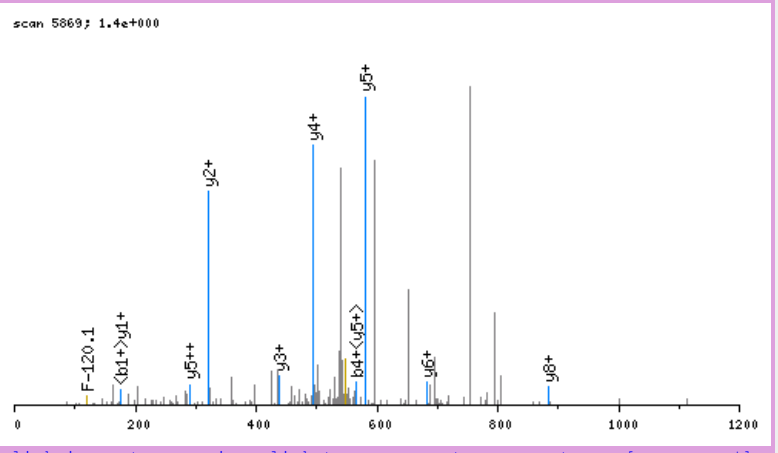
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
348.2287	2	K	16	1885.9620	943.4849
405.2502	3	G	15	1729.8357	865.4218
518.3343	4	L	14	1672.8143	836.9110
647.3768	5	E	13	1559.7302	**780.3690**
776.4194	6	E	12	1430.6876	**715.8477**
905.4620	7	E	11	1301.6450	**651.3264**
962.4835	8	G	10	1172.6024	**586.8051**
1091.5261	9	E	9	1115.5809	**558.2944**
1220.5687	10	E	8	986.5384	**493.7731**
1277.5901	11	G	7	857.4958	**429.2518**
1391.6331	12	N	6	800.4743	400.7411
1547.7594	13	K	5	686.4314	343.7196
1675.8180	14	Q	4	530.3051	265.6564
1789.8609	15	N	3	402.2465	201.6272
1902.9449	16	L	2	288.2036	144.6057
	17	R	1	175.1195	88.0637

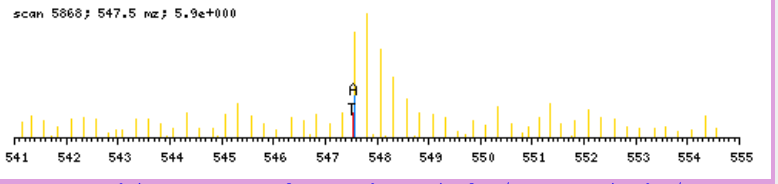
N-term:+29.04 K(2):+156.13
K(13):+156.13

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

YKTDLEKDIISDTSGDFR, MH+ 2187.1186, m/z 547.5351
L OS G17 P120811 220811-s1.05869.05869.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



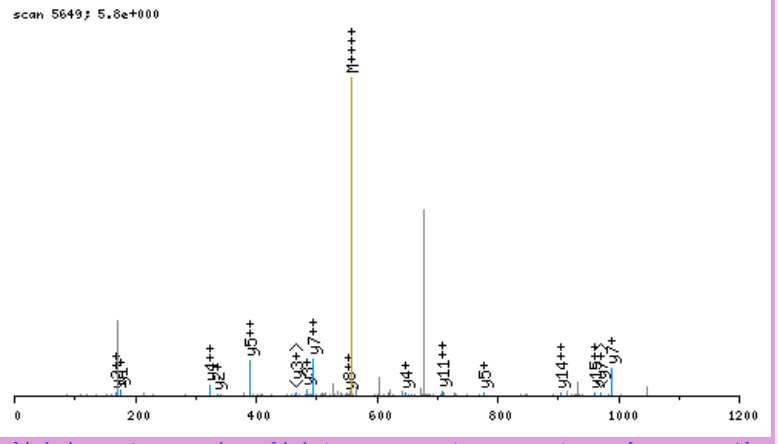
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	18		
348.2287	2	K	17	1996.0239	998.5159
449.2764	3	T	16	1839.8976	920.4527
564.3034	4	D	15	1738.8500	869.9289
677.3874	5	L	14	1623.8230	812.4154
806.4300	6	E	13	1510.7390	755.8734
962.5563	7	K	12	1381.6964	691.3521
1077.5833	8	D	11	1225.5701	613.2889
1190.6673	9	I	10	1110.5431	555.7755
1303.7514	10	I	9	997.4591	499.2334
1390.7834	11	S	8	**884.3750**	442.6914
1505.8103	12	D	7	797.3430	399.1754
1606.8580	13	T	6	**682.3160**	341.6619
1693.8901	14	S	5	**581.2683**	**291.1381**
1750.9115	15	G	4	**494.2363**	247.6221
1865.9385	16	D	3	**437.2149**	219.1113
2013.0069	17	F	2	**322.1879**	161.5979
	18	R	1	**175.1195**	88.0637

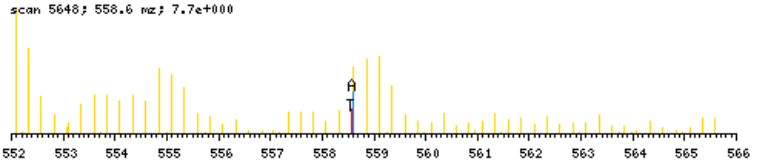
N-term:+29.04 K(2):+156.13
K(7):+156.13

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

YLDNNKISNIPDEYFKR, MH+ 2231.2561, m/z 558.5695
H OS G17 P120811 220811-s1.05649.05649.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



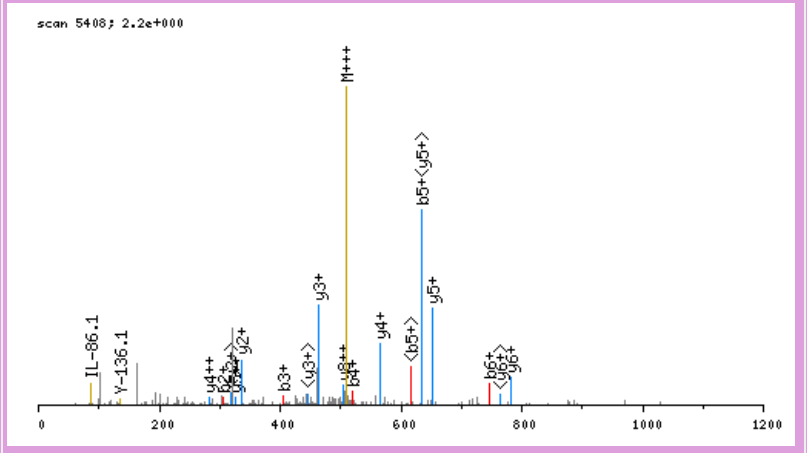
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	17		
311.2183	2	L	16	2034.1297	1017.5688
426.2452	3	D	15	1921.0456	**961.0267**
540.2882	4	N	14	1806.0187	**903.5133**
654.3311	5	N	13	1691.9758	846.4918
816.4892	6	K	12	1577.9328	789.4703
929.5733	7	I	11	1415.7747	**708.3913**
1016.6053	8	S	10	1302.6907	651.8492
1130.6482	9	N	9	1215.6586	608.3332
1243.7323	10	I	8	1101.6157	**551.3118**
1340.7850	11	P	7	**988.5316**	**494.7697**
1455.8120	12	D	6	891.4789	446.2434
1584.8546	13	E	5	**776.4519**	**388.7299**
1747.9179	14	Y	4	**647.4093**	**324.2086**
1894.9863	15	F	3	**484.3460**	242.6769
2057.1444	16	K	2	**337.2776**	**169.1427**
	17	R	1	**175.1195**	88.0637

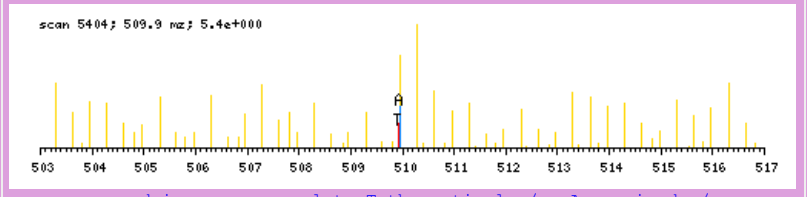
N-term:+35.07 K(6):+162.16
K(16):+162.16

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

YLTLDIESTECR, MH+ 1527.7364, m/z 509.9170
L OS G13 P120811 220811-s1.05408.05408.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



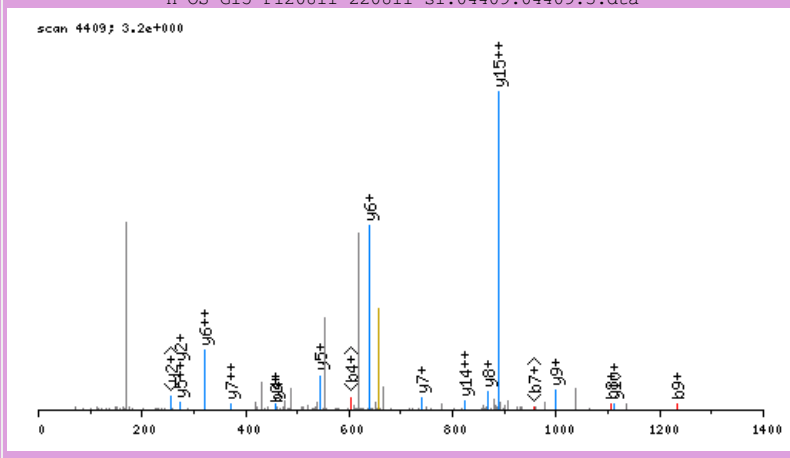
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
305.1865	2	L	11	1336.6418	668.8248
406.2342	3	T	10	1223.5577	612.2828
519.3182	4	L	9	1122.5101	561.7589
634.3452	5	D	8	1009.4260	**505.2169**
747.4292	6	I	7	894.3991	447.7034
876.4718	7	E	6	**781.3150**	391.1614
963.5039	8	S	5	**652.2724**	**326.6401**
1064.5515	9	T	4	**565.2404**	**283.1241**
1193.5941	10	E	3	**464.1927**	232.6003
1353.6247	11	C	2	**335.1501**	168.0790
	12	R	1	175.1195	88.0637

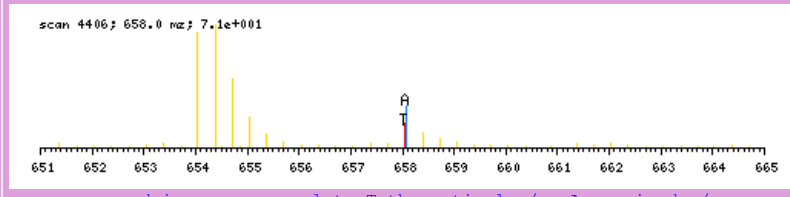
N-term:+29.04 C(11):+160.03

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

YMEKNQLEEVPSALPR, MH+ 1972.0850, m/z 658.0332
H OS G15 P120811 220811-s1.04409.04409.3.dta



click image to zoom in; click top corners to zoom out [precursor±]

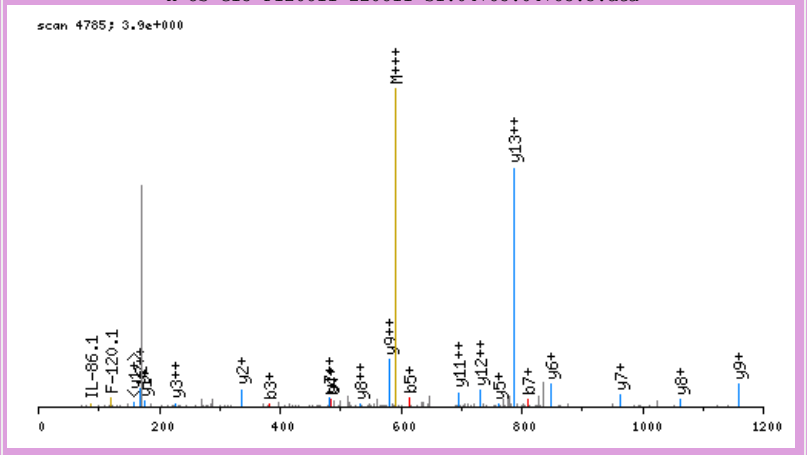


zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

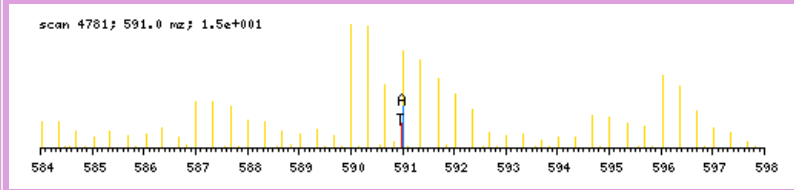
b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
329.1747	2	M	15	1774.9586	**887.9832**
458.2173	3	E	14	1643.9181	**822.4630**
620.3754	4	K	13	1514.8755	757.9417
734.4183	5	N	12	1352.7174	676.8626
862.4769	6	Q	11	1238.6745	619.8412
975.5610	7	L	10	**1110.6159**	555.8119
1104.6036	8	E	9	**997.5318**	499.2698
1233.6462	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

YNATEPVISFYDKR, MH+ 1770.9703, m/z 590.9949
H OS G15 P120811 220811-s1.04785.04785.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

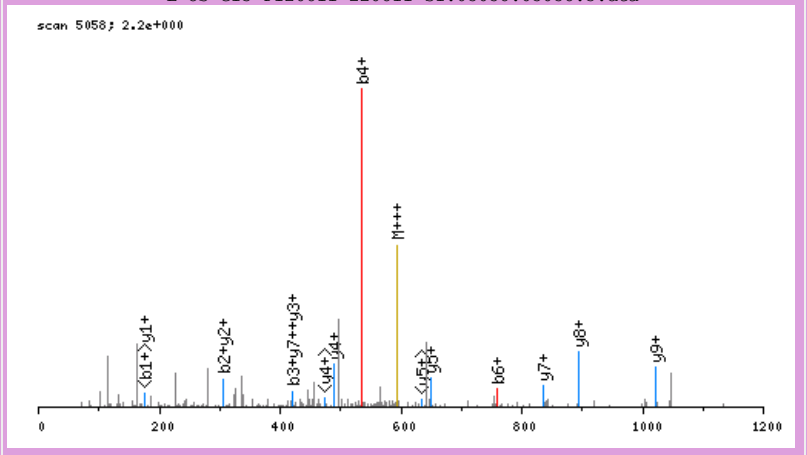
b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	14		
312.1772	2	N	13	1573.8439	**787.4258**
383.2143	3	A	12	1459.8009	**730.4044**
484.2619	4	T	11	1388.7638	**694.8858**
613.3045	5	E	10	1287.7161	644.3620
710.3573	6	P	9	**1158.6736**	**579.8407**
809.4257	7	V	8	**1061.6208**	**531.3143**
922.5098	8	I	7	**962.5524**	**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

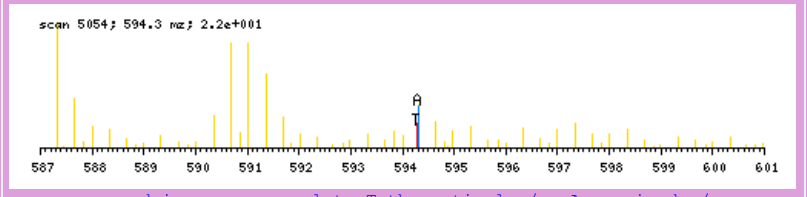
X-range: 0 - 0
MassTol: Y-zoom: 0. 1.
MassType: AVG MONO
Axis: 1 2
Label: I M -
Ions:
a [+] [2+] [3+]
b [+] [2+] [3+]
c [+] [2+] [3+]
x [+] [2+] [3+]
y [+] [2+] [3+]
z [+] [2+] [3+]
hide H_2O/NH_3
zoom 112-122
GO

X-range:
0 - 0
MassTol: Y-zoom:
0. 1.
MassType:
AVG MONO
Axis:
1 2
Label:
I M -
Ions:
a + 2+ 3+
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 G13 P120811 220811-s1.05058.05058.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



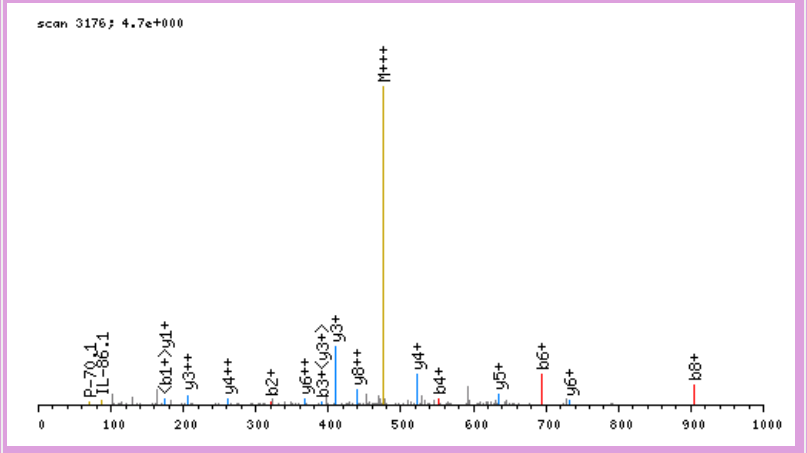
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

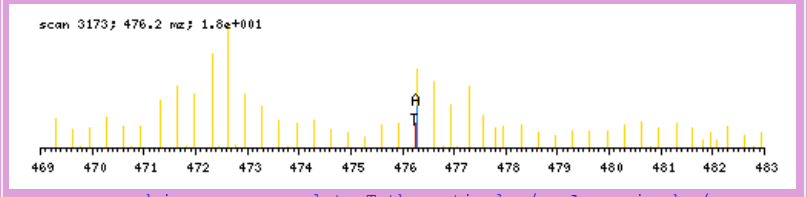
N-term:+29.04 C(11):+160.03

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

YQACSGPILPHR, MH+ 1426.7265, m/z 476.2470
L OS G16 P120811 220811-s1.03176.03176.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



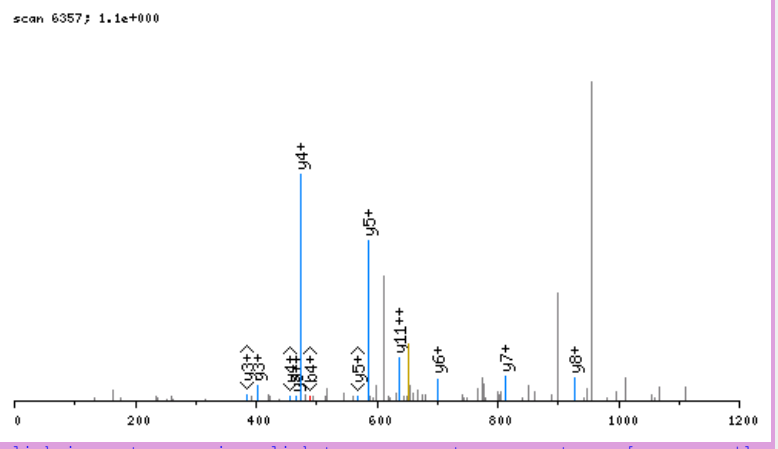
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
320.1610	2	Q	11	1235.6319	618.3198
391.1981	3	A	10	1107.5733	554.2905
551.2287	4	C	9	1036.5362	518.7720
638.2607	5	S	8	876.5056	**438.7567**
695.2822	6	G	7	789.4735	395.2407
792.3350	7	P	6	**732.4521**	**366.7299**
905.4190	8	I	5	**635.3993**	318.2036
1018.5031	9	L	4	**522.3152**	**261.6615**
1115.5559	10	P	3	**409.2312**	**205.1195**
1252.6148	11	H	2	312.1784	156.5931
	12	R	1	**175.1195**	88.0637

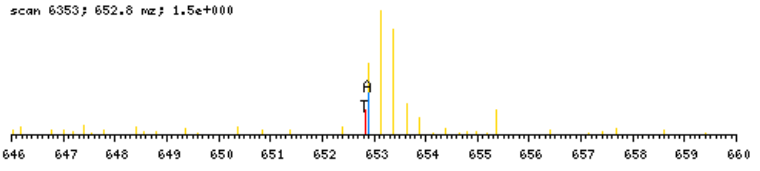
N-term:+29.04 C(4):+160.03

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

YQEGSKNKSLNSEMDNILANLR, MH+ 2608.3405, m/z 652.8406
L OS G17 P120811 220811-s1.06357.06357.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



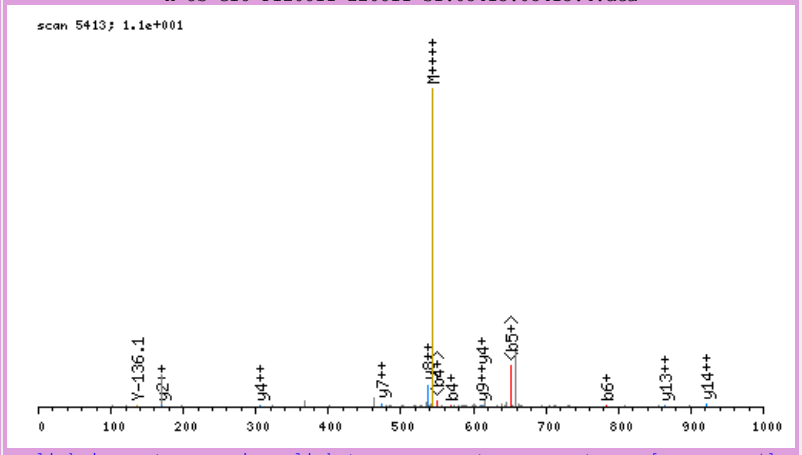
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	22		
320.1610	2	Q	21	2417.2459	1209.1269
449.2036	3	E	20	2289.1873	1145.0976
506.2251	4	G	19	2160.1448	1080.5763
593.2571	5	S	18	2103.1233	1052.0656
749.3834	6	K	17	2016.0913	1008.5495
863.4263	7	N	16	1859.9650	930.4864
1019.5526	8	K	15	1745.9220	873.4649
1106.5846	9	S	14	1589.7957	795.4018
1219.6687	10	L	13	1502.7637	751.8858
1333.7116	11	N	12	1389.6796	695.3437
1420.7437	12	S	11	1275.6367	**638.3223**
1549.7863	13	E	10	1188.6047	594.8063
1680.8267	14	M	9	1059.5621	530.2850
1795.8537	15	D	8	**928.5216**	**464.7647**
1909.8966	16	N	7	**813.4947**	407.2512
2022.9807	17	I	6	**699.4517**	350.2298
2136.0647	18	L	5	**586.3677**	293.6877
2207.1019	19	A	4	**473.2836**	237.1457
2321.1448	20	N	3	**402.2465**	201.6272
2434.2288	21	L	2	288.2036	144.6057
	22	R	1	175.1195	88.0637

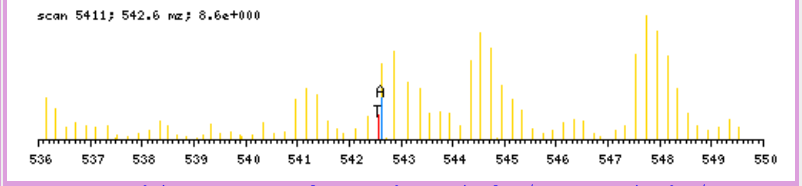
N-term:+29.04 K(6):+156.13
K(8):+156.13

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

YQLETDKFEFGEKLKR, MH+ 2167.3076, m/z 542.5824
H OS G18 P120811 220811-s1.05413.05413.4.dta



click image to zoom in; click top corners to zoom out [precursor±]



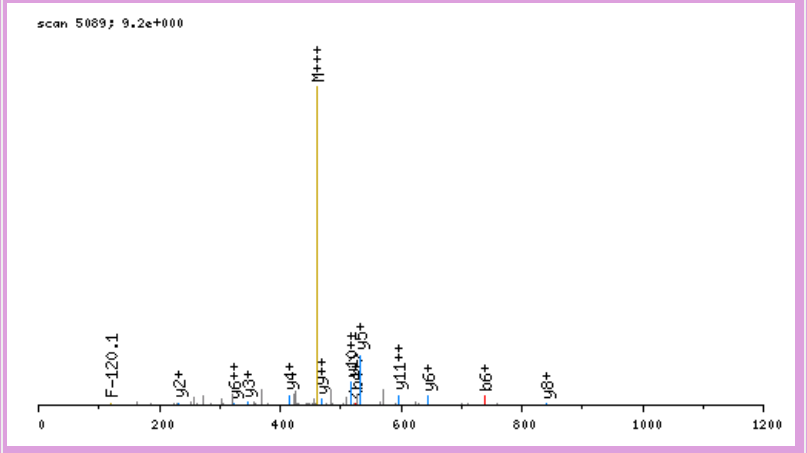
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	16		
326.1928	2	Q	15	1970.1812	985.5945
439.2769	3	L	14	1842.1226	**921.5652**
568.3195	4	E	13	1729.0386	**865.0232**
669.3671	5	T	12	1599.9960	800.5019
784.3941	6	D	11	1498.9483	749.9781
946.5522	7	K	10	1383.9213	692.4646
1093.6206	8	F	9	1221.7632	**611.3855**
1222.6632	9	E	8	1074.6948	**537.8513**
1369.7316	10	F	7	945.6522	**473.3300**
1426.7531	11	G	6	798.5838	399.7958
1555.7957	12	E	5	741.5624	371.2851
1717.9538	13	K	4	**612.5198**	**306.7638**
1831.0378	14	L	3	450.3617	225.6847
1993.1959	15	K	2	337.2776	**169.1427**
	16	R	1	175.1195	88.0637

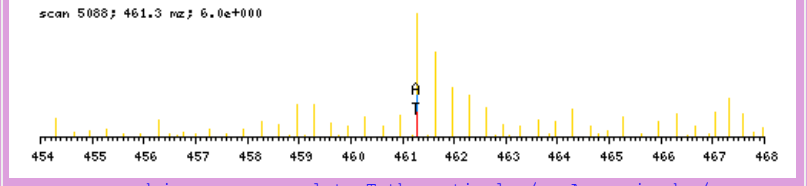
N-term:+35.07 K(7):+162.16
K(13):+162.16 K(15):+162.16

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

YRPPPVLDALGR, MH+ 1381.7956, m/z 461.2700
L OS G16 P120811 220811-s1.05089.05089.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



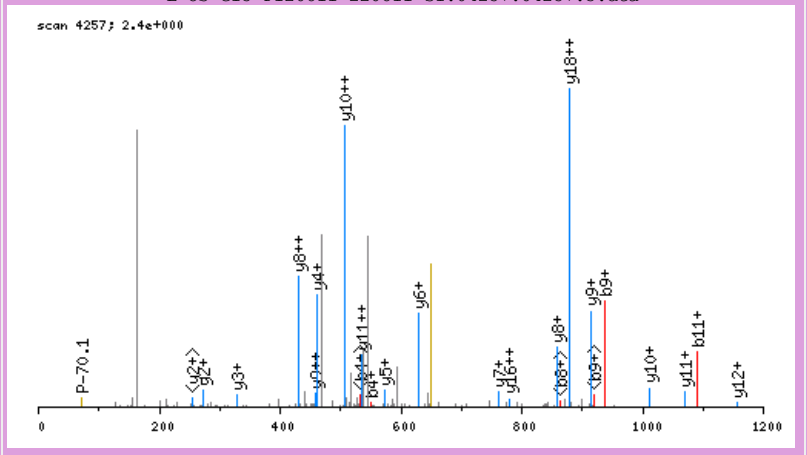
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	12		
348.2035	2	R	11	1190.7010	**595.8544**
445.2563	3	P	10	1034.5999	**517.8038**
542.3091	4	P	9	937.5471	**469.2775**
639.3618	5	P	8	**840.4943**	420.7511
738.4302	6	V	7	743.4416	372.2247
851.5143	7	L	6	**644.3731**	**322.6905**
966.5413	8	D	5	**531.2891**	266.1485
1037.5784	9	A	4	**416.2621**	208.6350
1150.6624	10	L	3	**345.2250**	173.1164
1207.6839	11	G	2	**232.1410**	116.5744
	12	R	1	175.1195	88.0637

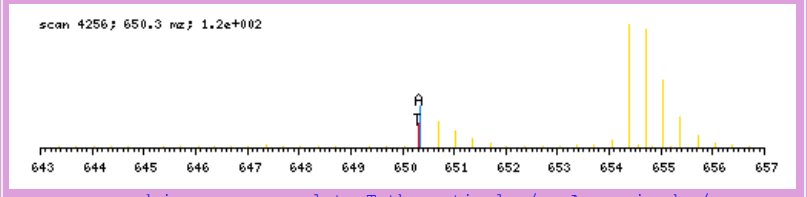
N-term:+29.04

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

YSDKGVSSGPGPMGLMGPR, MH+ 1948.9625, m/z 650.3257
L OS G15 P120811 220811-s1.04257.04257.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



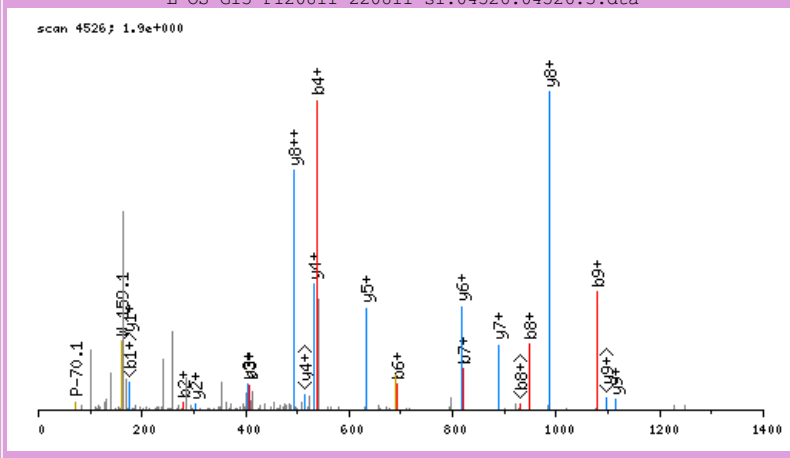
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	19		
279.1345	2	S	18	1757.8679	**879.4379**
394.1614	3	D	17	1670.8359	835.9218
550.2877	4	K	16	1555.8089	**778.4084**
607.3092	5	G	15	1399.6826	700.3452
706.3776	6	V	14	1342.6612	671.8345
793.4096	7	S	13	1243.5927	622.3003
880.4416	8	S	12	**1156.5607**	578.7843
937.4631	9	G	11	**1069.5287**	**535.2683**
1034.5159	10	P	10	**1012.5072**	**506.7575**
1091.5373	11	G	9	**915.4545**	**458.2311**
1188.5901	12	P	8	**858.4330**	**429.7204**
1319.6306	13	M	7	**761.3802**	381.1940
1376.6520	14	G	6	**630.3397**	315.6738
1489.7361	15	L	5	**573.3183**	287.1631
1620.7766	16	M	4	**460.2342**	230.6210
1677.7981	17	G	3	**329.1937**	165.1008
1774.8508	18	P	2	**272.1723**	136.5900
	19	R	1	175.1195	88.0637

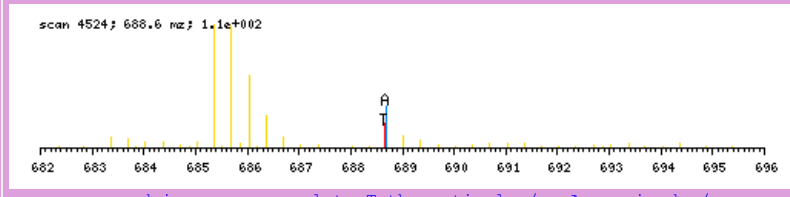
N-term:+29.04 K(4):+156.13

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

YSEEPGEEEPAWVQTER, MH+ 2063.9198, m/z 688.6448
L OS G13 P120811 220811-s1.04526.04526.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



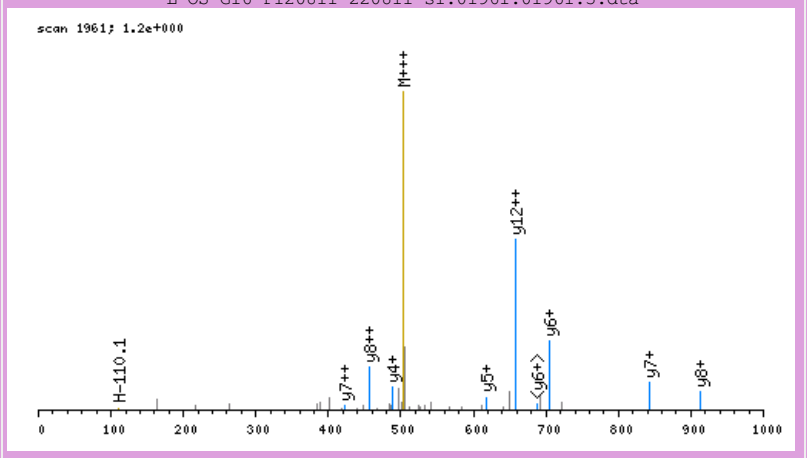
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
279.1345	2	S	16	1872.8252	936.9165
408.1771	3	E	15	1785.7931	893.4005
537.2196	4	E	14	1656.7506	828.8792
634.2724	5	P	13	1527.7080	764.3579
691.2939	6	G	12	1430.6552	715.8315
820.3365	7	E	11	1373.6337	687.3208
949.3791	8	E	10	1244.5911	622.7995
1078.4217	9	E	9	**1115.5485**	558.2782
1175.4744	10	P	8	**986.5060**	**493.7569**
1246.5115	11	A	7	**889.4532**	445.2305
1432.5908	12	W	6	**818.4161**	409.7120
1531.6593	13	V	5	**632.3368**	316.6723
1659.7178	14	Q	4	**533.2683**	267.1381
1760.7655	15	T	3	**405.2098**	203.1088
1889.8081	16	E	2	**304.1621**	152.5850
	17	R	1	**175.1195**	88.0637

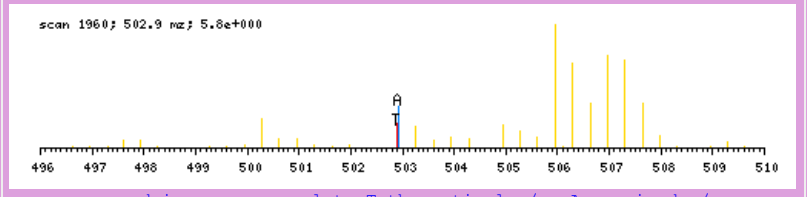
N-term:+29.04

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

YSEGEAHSEVSQR, MH+ 1506.6824, m/z 502.8990
L OS G16 P120811 220811-s1.01961.01961.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



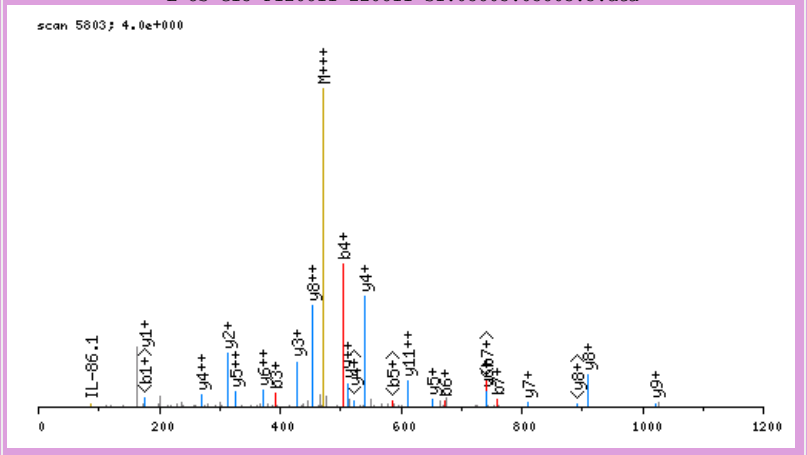
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	13		
279.1345	2	S	12	1315.5878	**658.2978**
408.1771	3	E	11	1228.5558	614.7818
465.1985	4	G	10	1099.5132	550.2605
594.2411	5	E	9	1042.4918	521.7498
665.2782	6	A	8	**913.4492**	**457.2285**
802.3371	7	H	7	**842.4121**	**421.7099**
889.3692	8	S	6	**705.3531**	353.1805
1018.4118	9	E	5	**618.3211**	309.6645
1117.4802	10	V	4	**489.2785**	245.1432
1204.5122	11	S	3	390.2101	195.6090
1332.5708	12	Q	2	303.1781	152.0930
	13	R	1	175.1195	88.0637

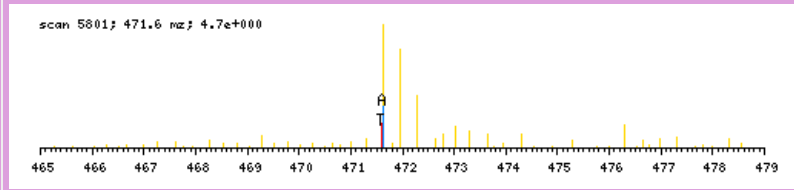
N-term:+29.04

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

YSLLPASLLDHR, MH+ 1412.7901, m/z 471.6016
L OS G15 P120811 220811-s1.05803.05803.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



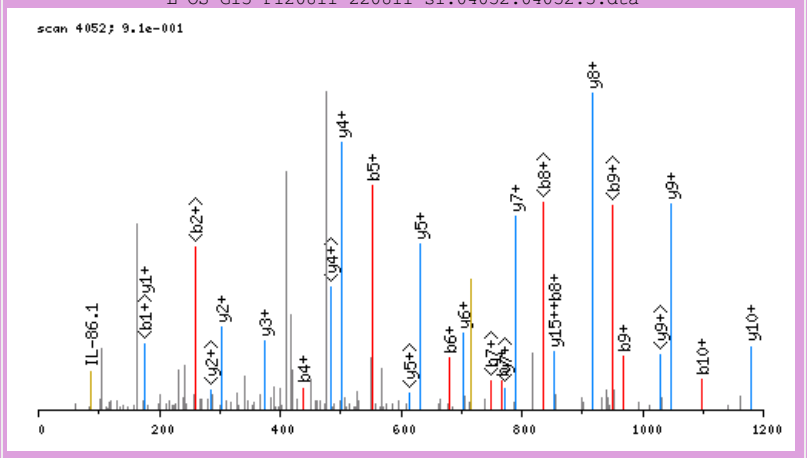
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

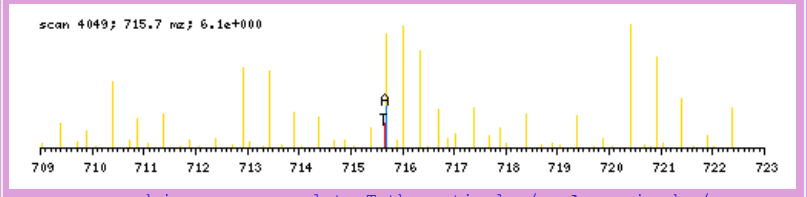
N-term:+29.04

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

YSSADQSSLMEESAEQAQR, MH+ 2144.9406, m/z 715.6517
L OS G13 P120811 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+}
192.1024	1	Y	19		
279.1345	2	S	18	1953.8460	977.4269
366.1665	3	S	17	1866.8140	933.9109
437.2036	4	A	16	1779.7819	890.3949
552.2305	5	D	15	1708.7448	**854.8763**
680.2891	6	Q	14	1593.7179	797.3628
767.3211	7	S	13	1465.6593	733.3336
854.3532	8	S	12	1378.6273	689.8175
967.4372	9	L	11	1291.5952	646.3015
1098.4777	10	M	10	**1178.5112**	589.7595
1227.5203	11	E	9	**1047.4707**	524.2393
1356.5629	12	E	8	**918.4281**	459.7180
1443.5949	13	S	7	**789.3855**	395.1967
1514.6321	14	A	6	**702.3535**	351.6807
1643.6746	15	E	5	**631.3164**	316.1621
1771.7332	16	Q	4	**502.2738**	251.6408
1842.7703	17	A	3	**374.2152**	187.6115
1970.8289	18	Q	2	**303.1781**	152.0930
	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+

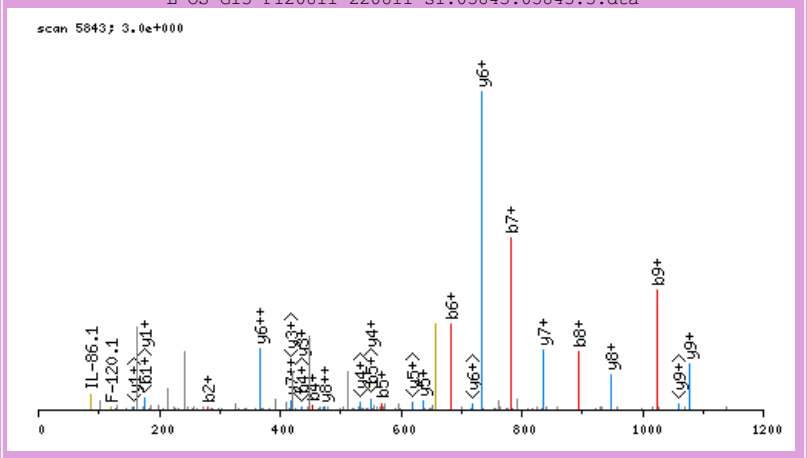
hide H_2O/NH_3 ☐

zoom 112-122 ☐

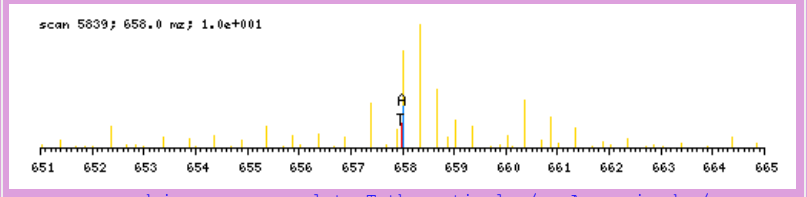
GO

YSSSDDVIELTPSNFNR, MH+ 1971.9300, m/z 657.9815

L_OS_G13_P120811_220811-s1.05843.05843.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



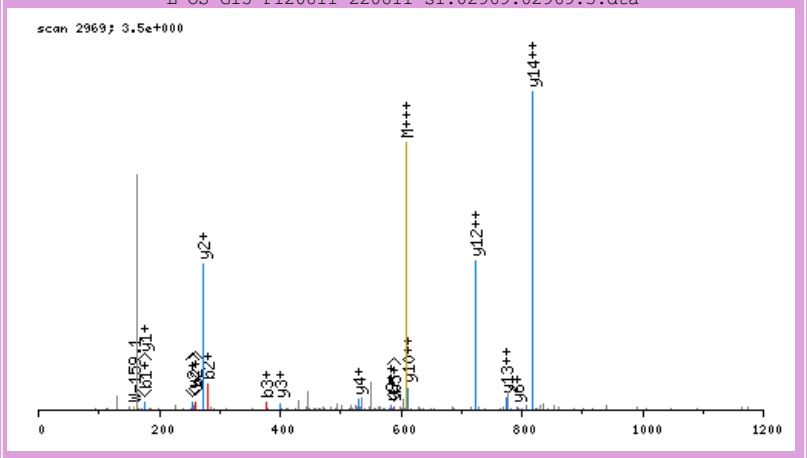
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	17		
279.1345	2	S	16	1780.8353	890.9216
366.1665	3	S	15	1693.8033	847.4056
453.1985	4	S	14	1606.7713	803.8896
568.2255	5	D	13	1519.7393	760.3735
683.2524	6	D	12	1404.7123	702.8601
782.3208	7	V	11	1289.6854	645.3466
895.4049	8	I	10	1190.6170	595.8124
1024.4475	9	E	9	**1077.5329**	539.2704
1137.5315	10	L	8	**948.4903**	**474.7491**
1238.5792	11	T	7	**835.4062**	**418.2070**
1335.6320	12	P	6	**734.3586**	**367.6832**
1422.6640	13	S	5	**637.3058**	319.1568
1536.7069	14	N	4	**550.2738**	275.6408
1683.7753	15	F	3	**436.2308**	218.6193
1797.8183	16	N	2	289.1624	145.0851
	17	R	1	**175.1195**	88.0637

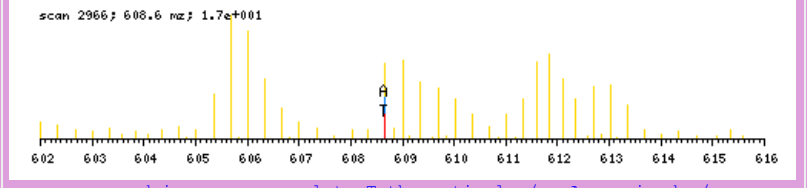
N-term:+29.04

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

YSVPEGQSKYVEEPR, MH+ 1823.9180, m/z 608.6442
L OS G15 P120811 220811-s1.02969.02969.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



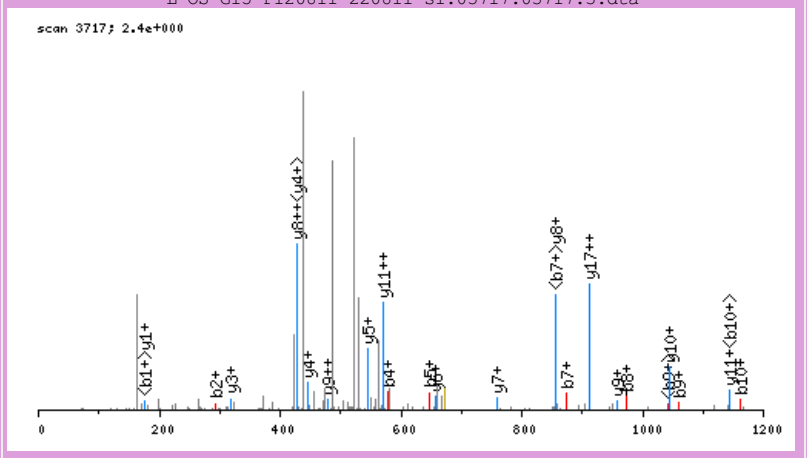
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
279.1345	2	S	14	1632.8234	816.9156
378.2029	3	V	13	1545.7913	773.3996
475.2556	4	P	12	1446.7229	723.8654
604.2982	5	E	11	1349.6702	675.3390
661.3197	6	G	10	1220.6276	610.8177
789.3783	7	Q	9	1163.6061	582.3070
876.4103	8	S	8	1035.5475	518.2777
1032.5366	9	K	7	948.5155	474.7617
1195.5999	10	Y	6	792.3892	396.6985
1294.6683	11	V	5	629.3259	315.1668
1423.7109	12	E	4	530.2575	265.6326
1552.7535	13	E	3	401.2149	201.1113
1649.8063	14	P	2	272.1723	136.5900
	15	R	1	175.1195	88.0637

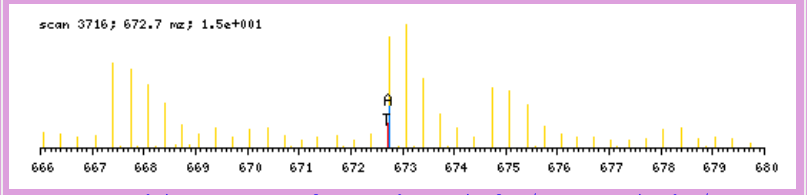
N-term:+29.04 K(9):+156.13

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

YTQKAPQVSTPTLVEAAR, MH+ 2016.1130, m/z 672.7092
L OS G15 P120811 220811-s1.03717.03717.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



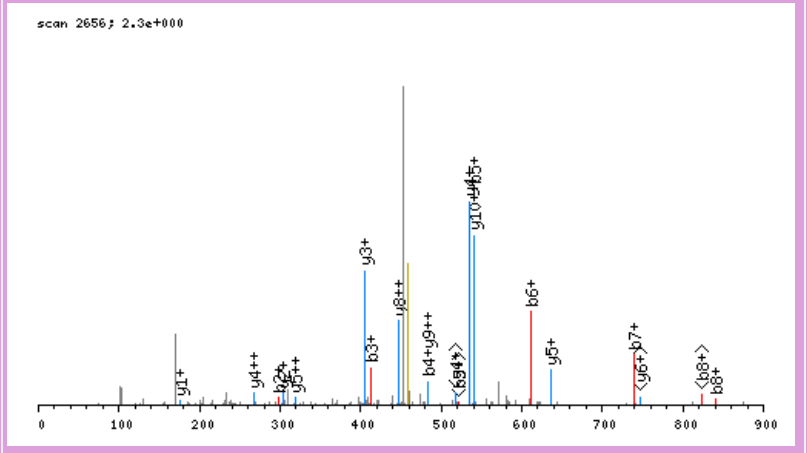
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

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

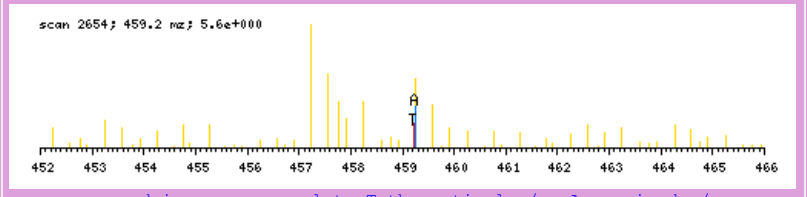
N-term:+29.04 K(4):+156.13

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+ 1375.6740, m/z 459.2295
H OS G13 P120811 220811-s1.02656.02656.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



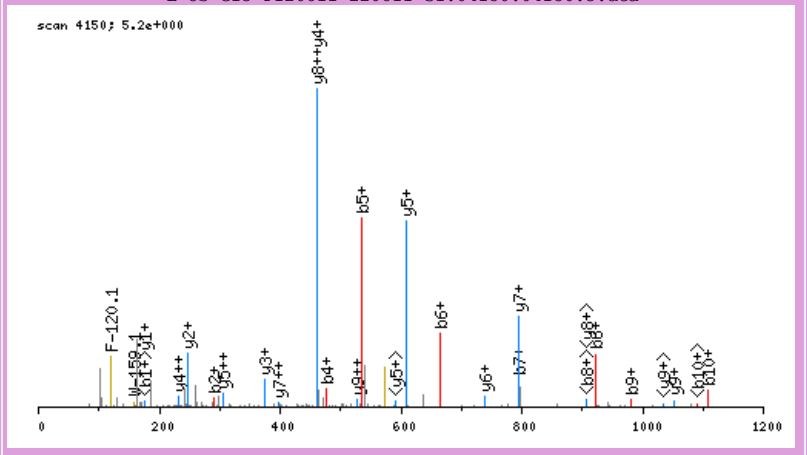
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	12		
297.2026	2	V	11	1178.5476	589.7777
412.2296	3	D	10	1079.4791	540.2435
483.2667	4	A	9	964.4522	482.7300
540.2882	5	G	8	893.4151	447.2115
611.3253	6	A	7	836.3936	418.7007
740.3679	7	E	6	765.3565	383.1822
841.4155	8	T	5	636.3139	318.6609
972.4560	9	M	4	535.2662	268.1370
1073.5037	10	T	3	404.2258	202.6168
1201.5623	11	Q	2	303.1781	152.0930
	12	R	1	175.1195	88.0637

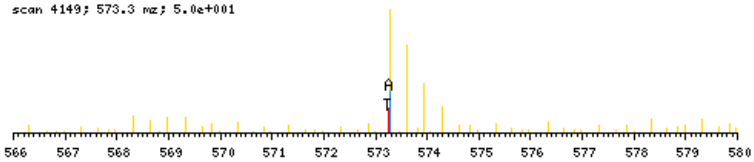
N-term:+35.07

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

YVGEGMEEGEFSEAR, MH+ 1717.7379, m/z 573.2508
L OS G13 P120811 220811-s1.04150.04150.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



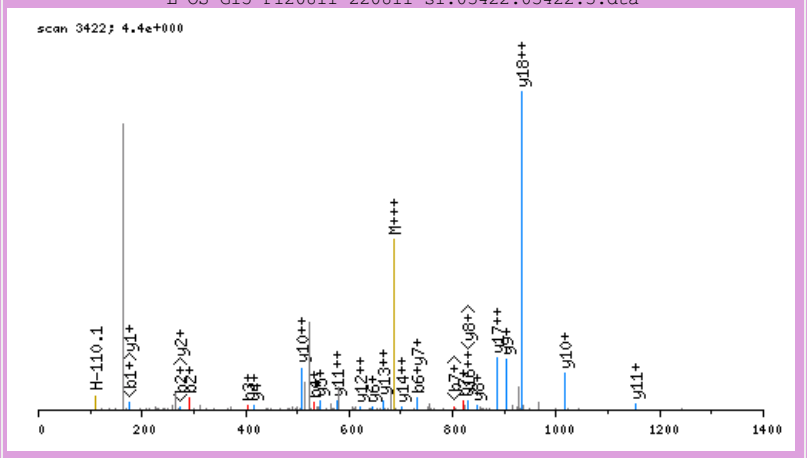
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
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

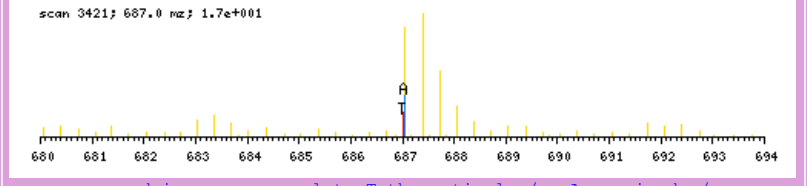
N-term:+29.04

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

YVLEQASSHIGNSTQAAVR, MH+ 2059.0572, m/z 687.0239
L OS G15 P120811 220811-s1.03422.03422.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



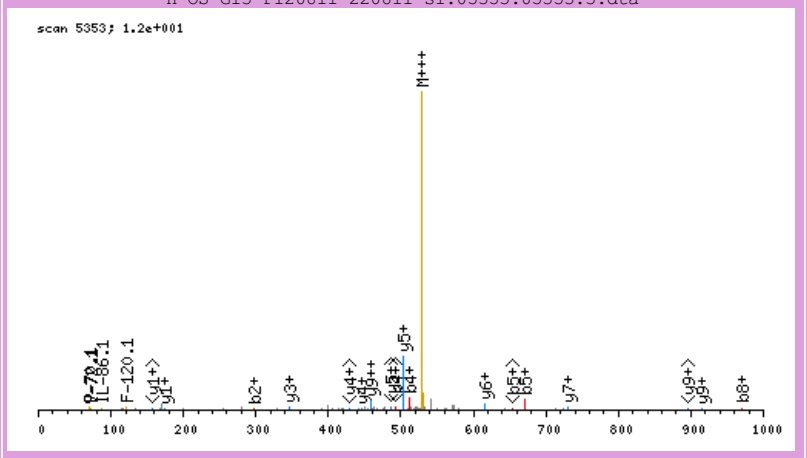
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	19		
291.1708	2	V	18	1867.9626	934.4852
404.2549	3	L	17	1768.8942	884.9510
533.2975	4	E	16	1655.8101	828.4090
661.3561	5	Q	15	1526.7675	763.8877
732.3932	6	A	14	1398.7090	699.8584
819.4252	7	S	13	1327.6719	664.3398
906.4572	8	S	12	1240.6398	620.8238
1043.5162	9	H	11	1153.6078	577.3078
1156.6002	10	I	10	1016.5489	508.7784
1213.6217	11	G	9	903.4648	452.2363
1327.6646	12	N	8	846.4434	423.7256
1414.6966	13	S	7	732.4004	366.7041
1515.7443	14	T	6	645.3684	323.1881
1643.8029	15	Q	5	544.3207	272.6643
1714.8400	16	A	4	416.2621	208.6350
1785.8771	17	A	3	345.2250	173.1164
1884.9455	18	V	2	274.1879	137.5979
	19	R	1	175.1195	88.0637

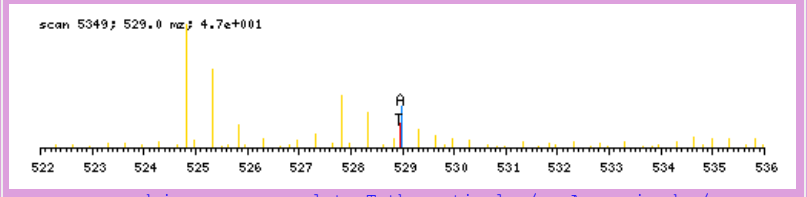
N-term:+29.04

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

YVLTCPSNLGTGLR, MH+ 1584.8631, m/z 528.9592
H OS G13 P120811 220811-s1.05353.05353.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



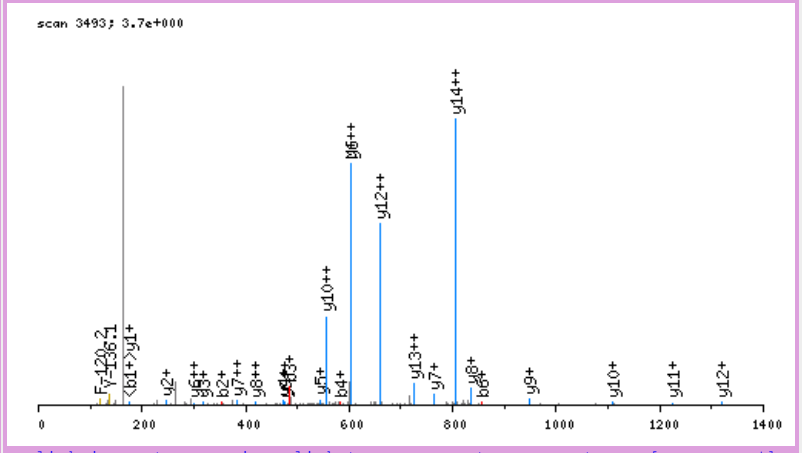
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
198.1342	1	Y	14		
297.2026	2	V	13	1387.7367	694.3723
410.2867	3	L	12	1288.6683	644.8381
511.3344	4	T	11	1175.5842	588.2960
671.3650	5	C	10	1074.5366	537.7722
768.4177	6	P	9	**914.5060**	**457.7569**
855.4498	7	S	8	817.4532	409.2305
969.4927	8	N	7	**730.4212**	365.7145
1082.5768	9	L	6	**616.3782**	308.6930
1139.5982	10	G	5	**503.2942**	252.1510
1240.6459	11	T	4	**446.2727**	223.6403
1297.6674	12	G	3	**345.2250**	173.1164
1410.7514	13	L	2	288.2036	144.6057
	14	R	1	**175.1195**	88.0637

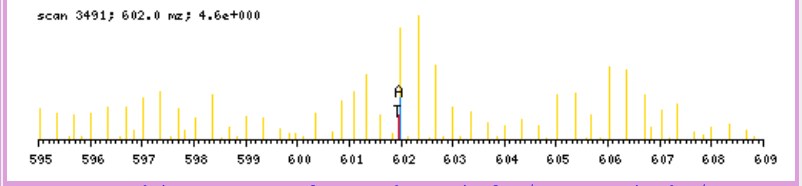
N-term:+35.07 C(5):+160.03

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

YYEPDCLAYGAKAAR, MH+ 1803.8739, m/z 601.9628
L OS G15 P120811 220811-s1.03493.03493.3.dta



click image to zoom in; click top corners to zoom out [precursor±]



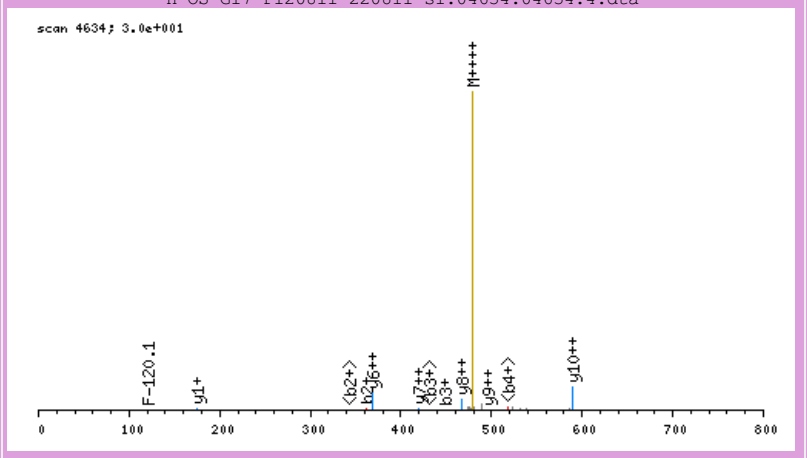
zoomed in precursor plot; T=theoretical m/z, A=acquired m/z

b^+	#	AA	#	y^+	y^{2+}
192.1024	1	Y	15		
355.1658	2	Y	14	1612.7793	806.8936
484.2084	3	E	13	1449.7160	725.3619
581.2611	4	P	12	1320.6734	660.8406
696.2881	5	D	11	1223.6207	612.3142
856.3187	6	C	10	1108.5937	554.8008
969.4027	7	L	9	948.5631	474.7855
1040.4398	8	A	8	835.4790	418.2434
1203.5032	9	Y	7	764.4419	382.7249
1260.5246	10	G	6	601.3786	301.1932
1331.5617	11	A	5	544.3571	272.6825
1487.6880	12	K	4	473.3200	237.1639
1558.7252	13	A	3	317.1937	159.1008
1629.7623	14	A	2	246.1566	123.5822
	15	R	1	175.1195	88.0637

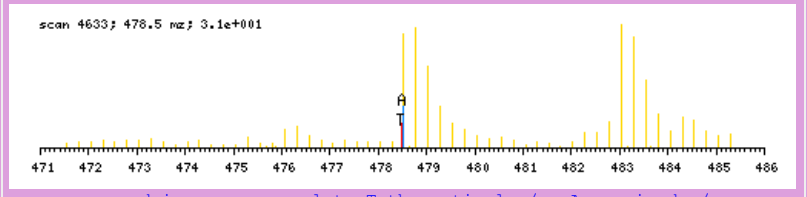
N-term:+29.04 C(6):+160.03
K(12):+156.13

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

YYSSSIWGPTCDGLDR, MH+ 1910.8806, m/z 478.4756
H OS G17 P120811 220811-s1.04634.04634.4.dta



click image to zoom in; 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