

Supplemental Figure 2. Spectra of proteins from HLA-DR7 and HLA-DR7/Ii⁺ cells identified by a single peptide (continued from supplemental figure 4).

KSLAQAEAEKQKEEAERE

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

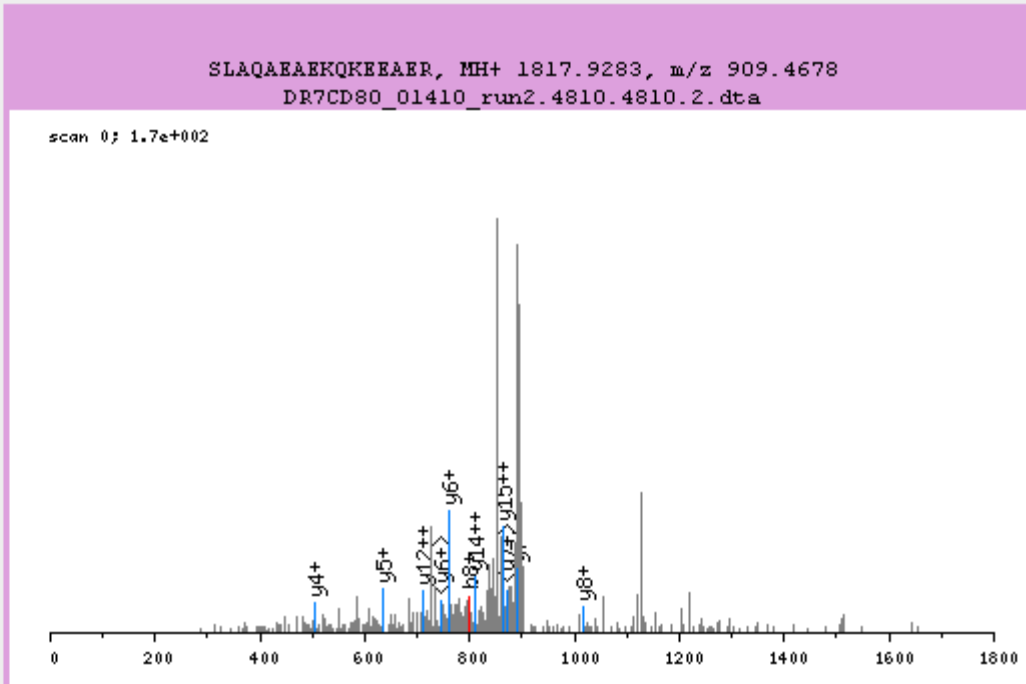
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 1 2

Label:
 I M -

Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom



b ⁺	#	AA	#	y ⁺	y ²⁺
88.0852	1	S	16		
201.2429	2	L	15	1730.8510	865.9295
272.3208	3	R	14	1617.6934	809.3507
400.4500	4	Q	13	1546.6155	773.8117
471.5279	5	R	12	1418.4863	709.7471
600.6419	6	E	11	1347.4084	674.2082
671.7198	7	R	10	1218.2944	609.6512
800.8338	8	E	9	1147.2165	574.1122
929.0060	9	K	8	1018.1025	509.5552
1057.1353	10	Q	7	889.9302	445.4691
1185.3075	11	K	6	761.8010	381.4045
1314.4215	12	E	5	633.6287	317.3183
1443.5355	13	E	4	504.5148	252.7614
1514.6134	14	R	3	375.4008	188.2044
1643.7274	15	E	2	304.3229	152.6654
	16	R	1	175.2089	88.1084

FSNHKELKTDSSPNQARA

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

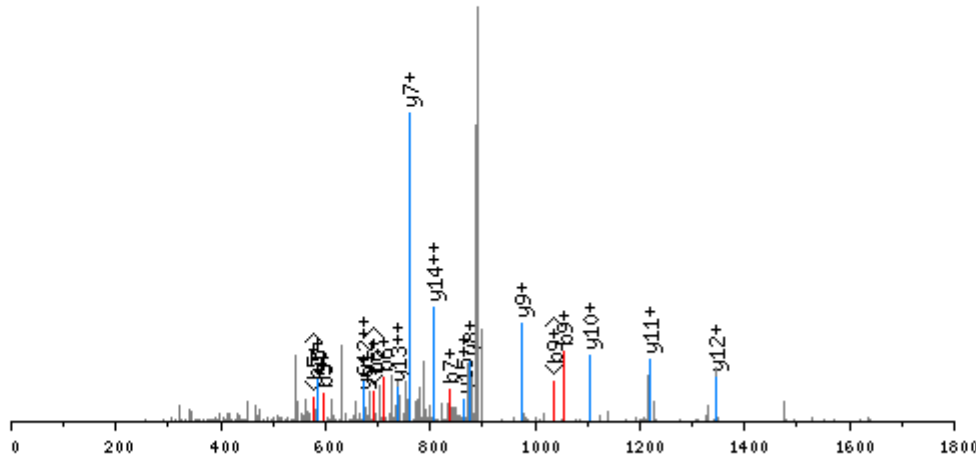
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

SNHKELKTDSSPNQAR, MH+ 1812.9151, m/z 906.9612
 DR7Ii_012110_run1.3906.3906.2.dta

scan 0; 4.9e+002



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
88.0852	1	S	16		
202.1879	2	N	15	1725.8378	863.4229
339.3272	3	H	14	1611.7352	806.3716
467.4994	4	K	13	1474.5959	737.8019
596.6134	5	E	12	1346.4236	673.7158
709.7711	6	L	11	1217.3096	609.1588
837.9433	7	K	10	1104.1520	552.5800
939.0472	8	T	9	975.9797	488.4938
1054.1346	9	D	8	874.8758	437.9419
1141.2119	10	S	7	759.7884	380.3982
1228.2892	11	S	6	672.7111	336.8595
1325.4044	12	P	5	585.6338	293.3209
1439.5070	13	N	4	488.5187	244.7633
1567.6363	14	Q	3	374.4160	187.7120
1638.7142	15	R	2	246.2868	123.6474
	16	R	1	175.2089	88.1084

WFCPECAAPGVVLAADAGPVS

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

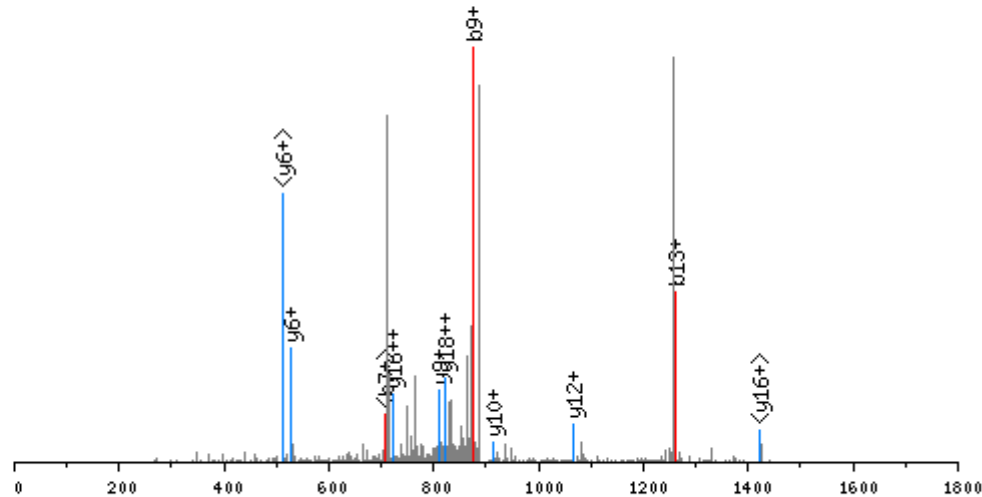
hide H₂O/NH₃

zoom 112-122

GO

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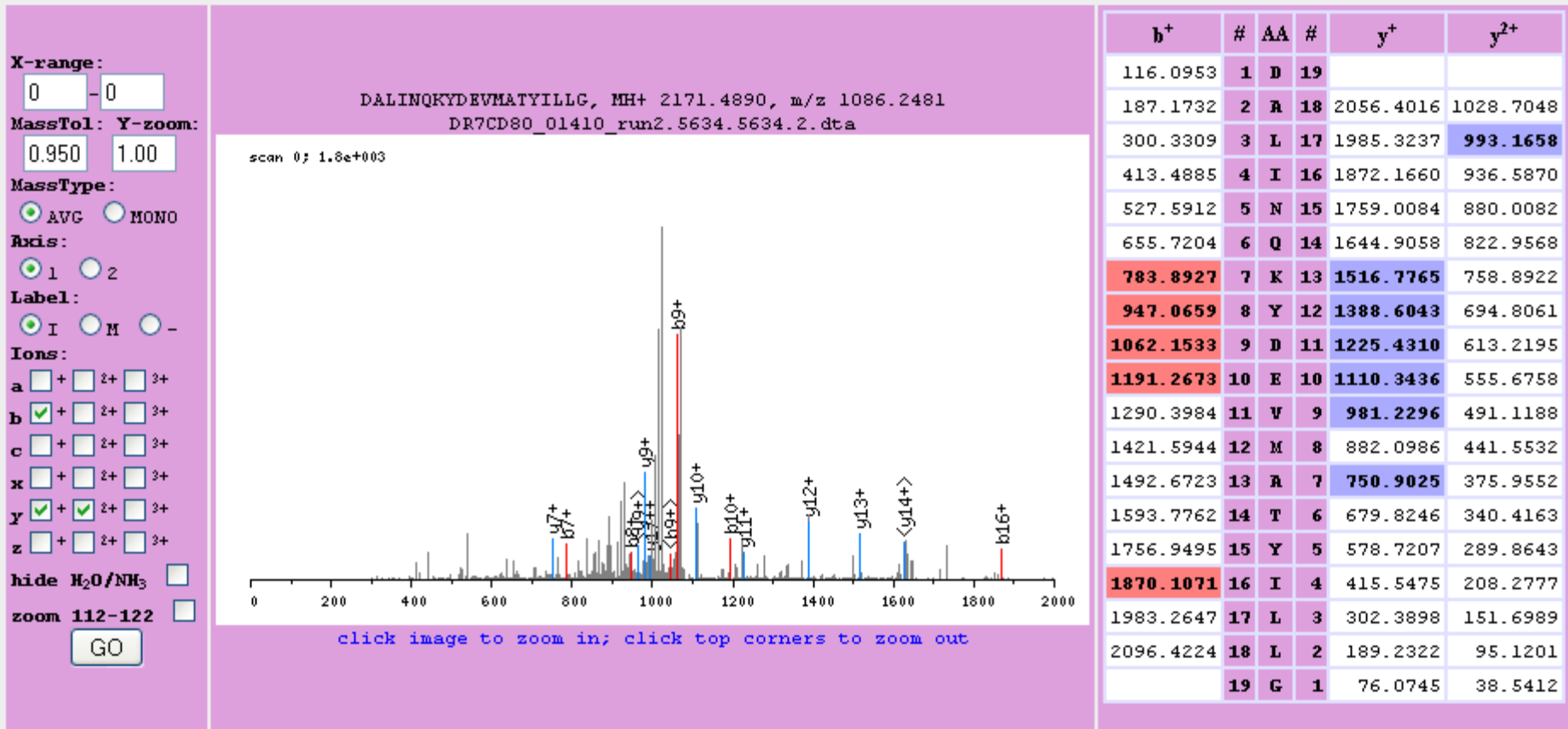
scan 0; 1.5e+003



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
148.1818	1	F	19		
251.3247	2	C	18	1640.8989	820.9534
348.4399	3	P	17	1537.7560	769.3820
477.5539	4	E	16	1440.6408	720.8244
580.6968	5	C	15	1311.5268	656.2674
651.7747	6	R	14	1208.3839	604.6959
722.8526	7	R	13	1137.3060	569.1570
819.9677	8	P	12	1066.2281	533.6180
877.0191	9	G	11	969.1130	485.0604
976.1501	10	V	10	912.0616	456.5348
1075.2812	11	V	9	812.9306	406.9693
1188.4388	12	L	8	713.7995	357.4037
1259.5167	13	R	7	600.6419	300.8249
1330.5946	14	R	6	529.5640	265.2860
1445.6820	15	D	5	458.4861	229.7470
1516.7599	16	R	4	343.3987	172.2033
1573.8112	17	G	3	272.3208	136.6644
1670.9264	18	P	2	215.2695	108.1387
	19	V	1	118.1543	59.5811

NDALINQKYDEVMATYILLGR



KDLHPLFDETFEFLVPAEPCRKAGACLLLV

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

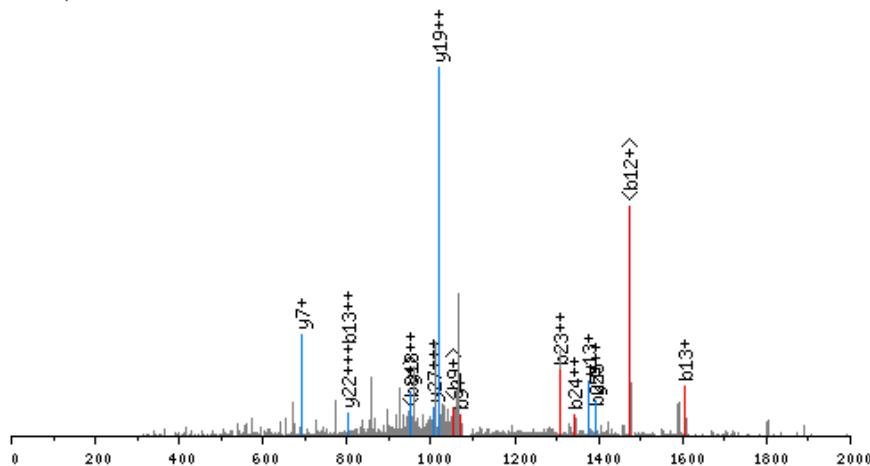
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zoom 112-122

GO

DLHPLFDETFEFLVPAEPCRKAGACLLLV, MH+ 3247.7598, m/z 1083.2581
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scan 0; 1.5e+003



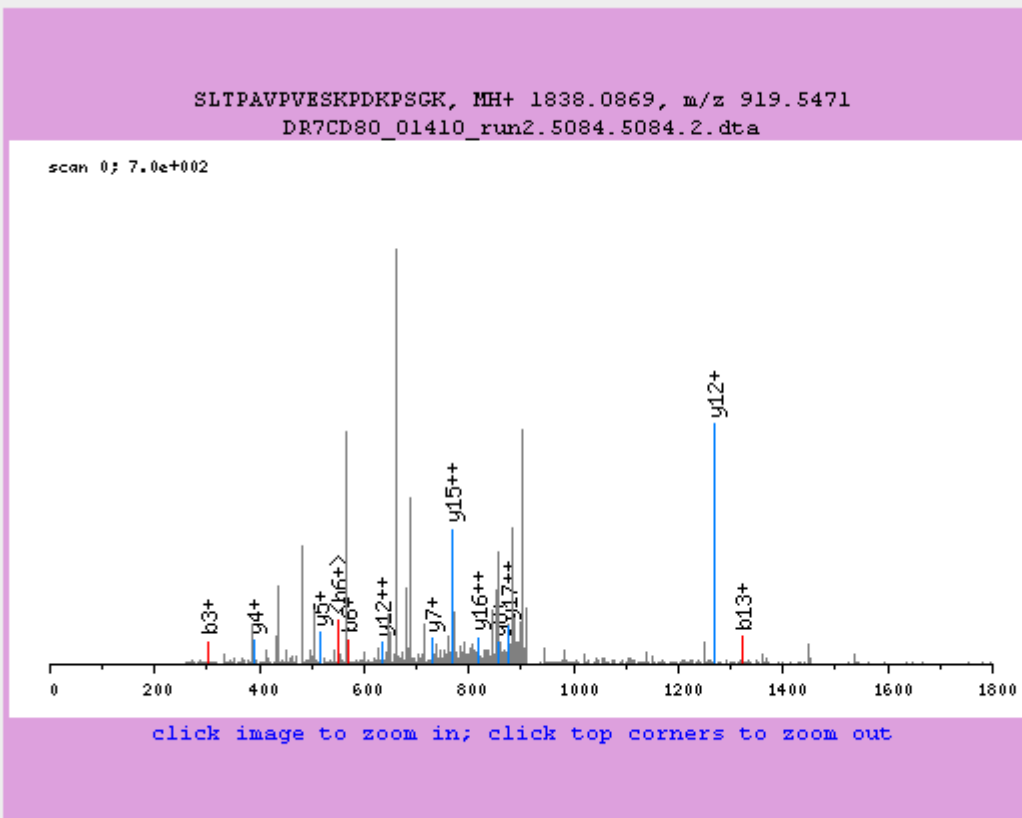
click image to zoom in; click top corners to zoom out

b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
116.0953	58.5516	1	D	29			
229.2530	115.1305	2	L	28	3132.6724	1566.8402	1044.8961
366.3923	183.7001	3	H	27	3019.5148	1510.2614	1007.1769
463.5074	232.2577	4	P	26	2882.3755	1441.6917	961.4638
576.6651	288.8365	5	L	25	2785.2603	1393.1341	929.0921
723.8389	362.4234	6	F	24	2672.1027	1336.5553	891.3728
838.9263	419.9671	7	D	23	2524.9288	1262.9684	842.3149
968.0403	484.5241	8	E	22	2409.8414	1205.4247	803.9524
1069.1442	535.0761	9	T	21	2280.7274	1140.8677	760.9144
1216.3181	608.6630	10	F	20	2179.6235	1090.3157	727.2131
1345.4320	673.2200	11	E	19	2032.4497	1016.7288	678.1552
1492.6059	746.8069	12	F	18	1903.3357	952.1718	635.1172
1605.7635	803.3857	13	L	17	1756.1618	878.5849	586.0592
1704.8946	852.9513	14	V	16	1643.0042	822.0061	548.3400
1802.0098	901.5089	15	P	15	1543.8731	772.4405	515.2963
1873.0877	937.0478	16	R	14	1446.7580	723.8830	482.9246
2002.2017	1001.6048	17	E	13	1375.6801	688.3440	459.2320
2099.3168	1050.1624	18	P	12	1246.5661	623.7870	416.1940
2202.4597	1101.7338	19	C	11	1149.4509	575.2294	383.8223
2358.6454	1179.8267	20	R	10	1046.3080	523.6580	349.4413
2486.8177	1243.9128	21	K	9	890.1223	445.5651	297.3794
2557.8956	1279.4518	22	R	8	761.9500	381.4790	254.6553
2614.9469	1307.9774	23	G	7	690.8721	345.9400	230.9627
2686.0248	1343.5164	24	R	6	633.8208	317.4144	211.9456
2789.1677	1395.0878	25	C	5	562.7429	281.8754	188.2529
2902.3254	1451.6666	26	L	4	459.6000	230.3040	153.8720
3015.4830	1508.2455	27	L	3	346.4424	173.7252	116.1528
3128.6406	1564.8243	28	L	2	233.2847	117.1463	78.4335
		29	T	1	120.1271	60.5675	40.7143

KSLTPAVPVESKPKPSGKS

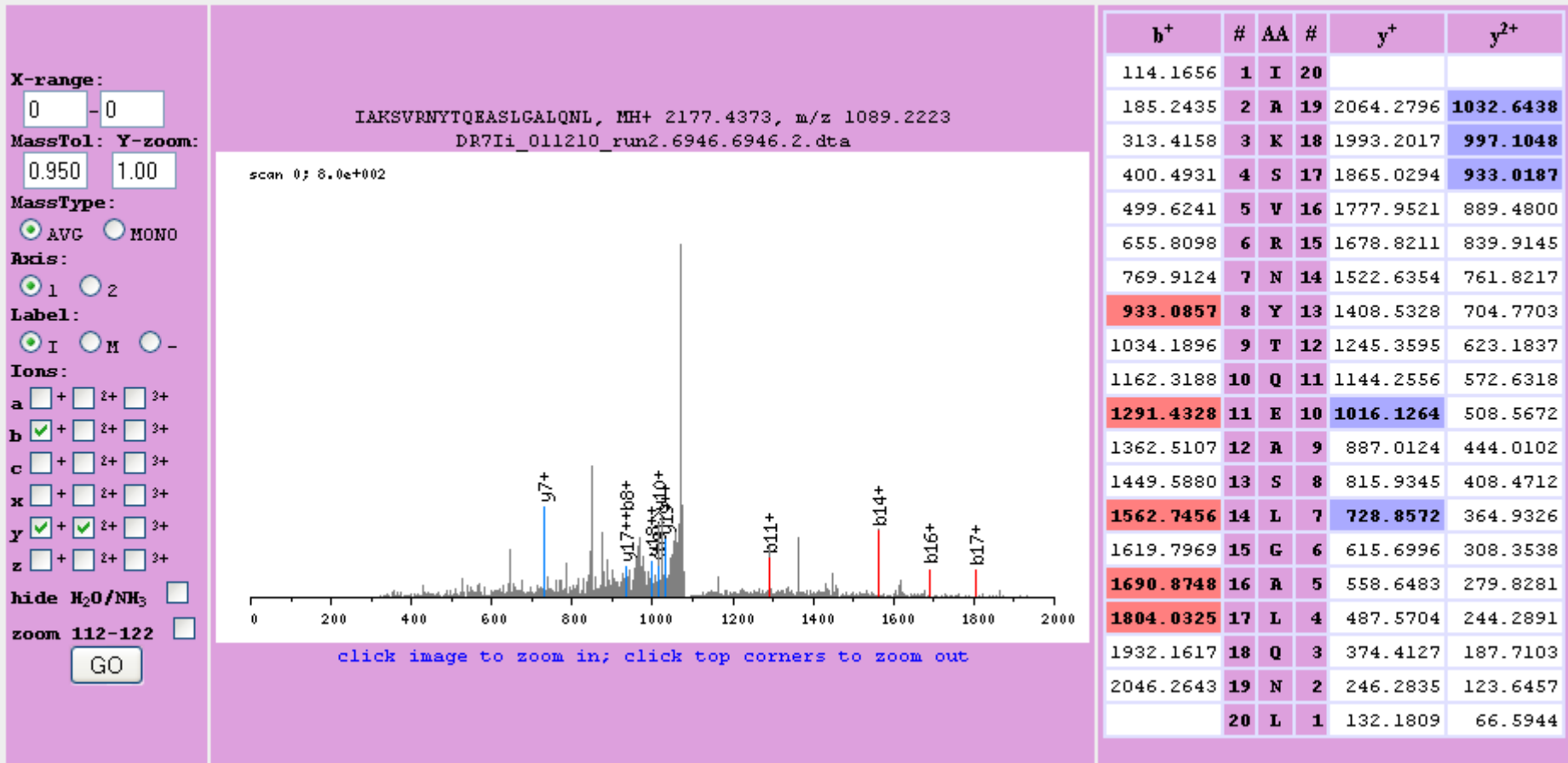
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MassTol: **Y-zoom:**

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 AVG MONO
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Label:
 I M -
Ions:
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b + 2+ 3+
c + 2+ 3+
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y + 2+ 3+
z + 2+ 3+
hide H₂O/NH₃
zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
88.0852	1	S	18		
201.2429	2	L	17	1751.0096	876.0088
302.3468	3	T	16	1637.8520	819.4300
399.4619	4	P	15	1536.7481	768.8780
470.5398	5	A	14	1439.6329	720.3204
569.6709	6	V	13	1368.5550	684.7815
666.7861	7	P	12	1269.4240	635.2160
765.9171	8	V	11	1172.3088	586.6584
895.0311	9	E	10	1073.1777	537.0928
982.1084	10	S	9	944.0637	472.5358
1110.2807	11	K	8	856.9864	428.9972
1207.3959	12	P	7	728.8142	364.9111
1322.4833	13	D	6	631.6990	316.3535
1450.6556	14	K	5	516.6116	258.8098
1547.7707	15	P	4	388.4393	194.7236
1634.8480	16	S	3	291.3241	146.1660
1691.8994	17	G	2	204.2468	102.6274
	18	K	1	147.1955	74.1017

LIAKSVRNYTQEASLGALQNL



FFVGGNWKMNNGRKQSLGELI

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

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b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

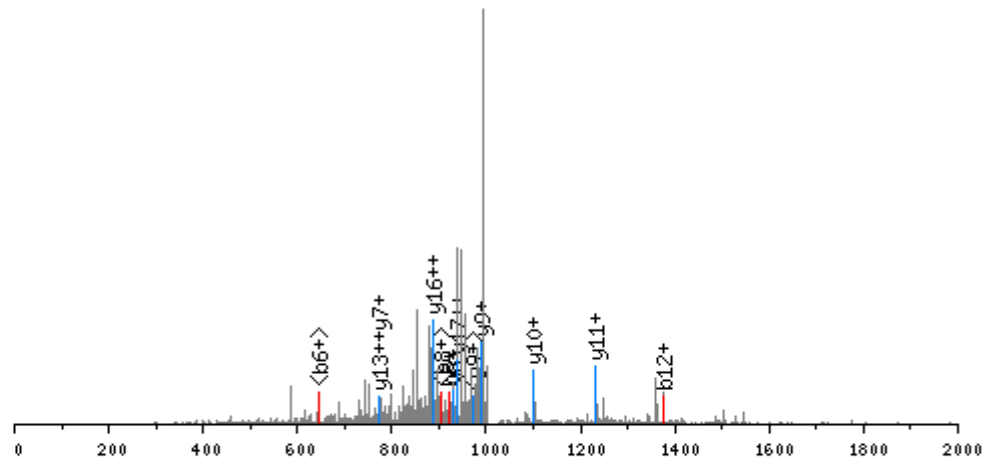
hide H₂O/NH₃

zoom 112-122

GO

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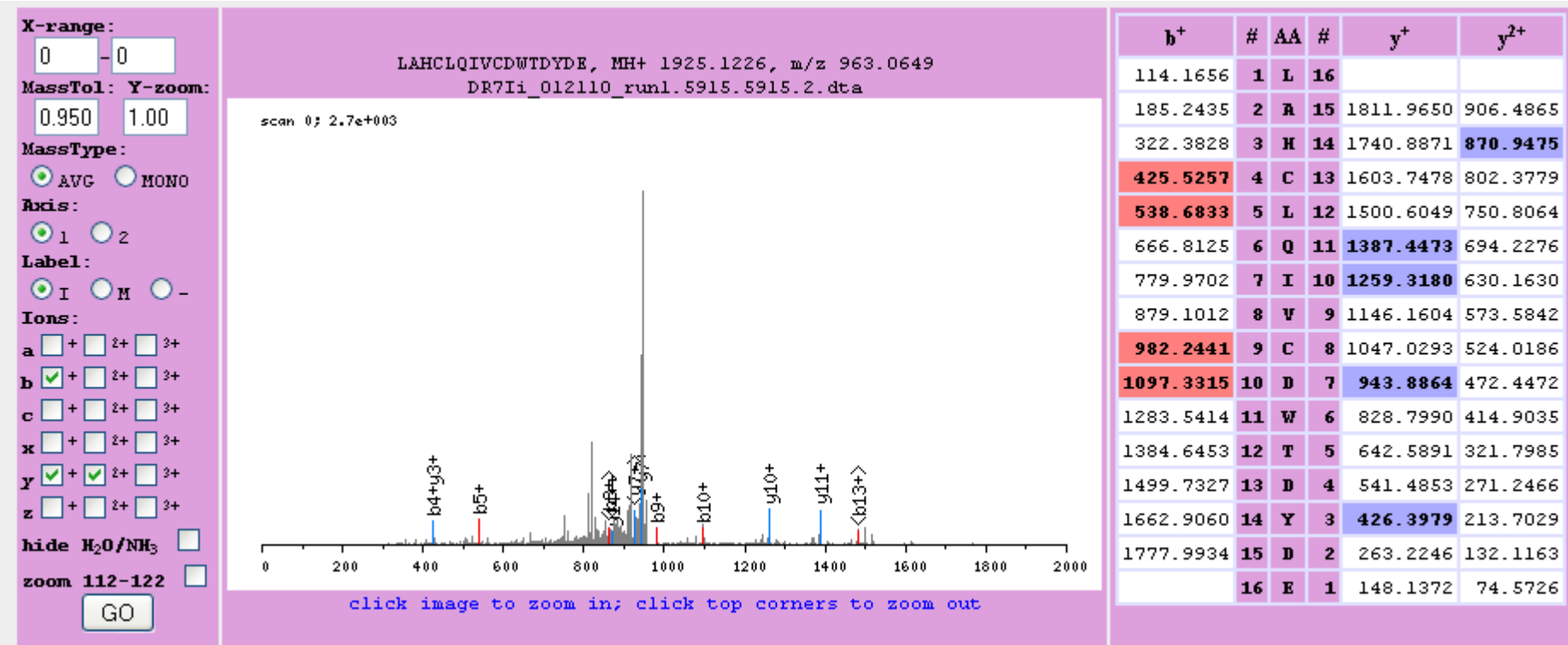
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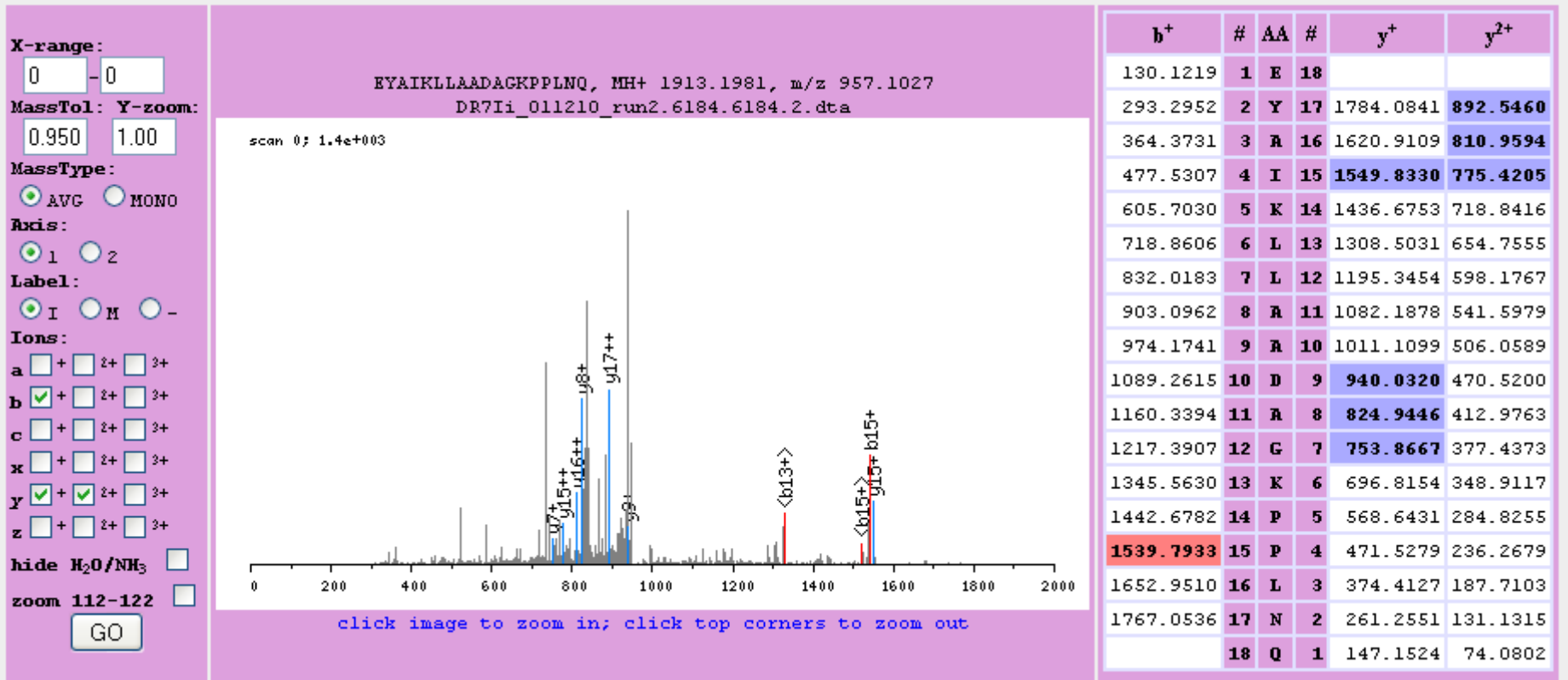
click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
148.1818	1	F	18		
247.3129	2	V	17	1875.1368	938.0724
304.3642	3	G	16	1776.0058	888.5069
361.4155	4	G	15	1718.9544	859.9812
475.5181	5	N	14	1661.9031	831.4555
661.7280	6	W	13	1547.8005	774.4042
789.9003	7	K	12	1361.5906	681.2993
921.0964	8	M	11	1233.4183	617.2131
1035.1990	9	N	10	1102.2222	551.6151
1092.2503	10	G	9	988.1196	494.5638
1248.4360	11	R	8	931.0683	466.0381
1376.6083	12	K	7	774.8826	387.9453
1504.7375	13	Q	6	646.7103	323.8591
1591.8148	14	S	5	518.5811	259.7945
1704.9725	15	L	4	431.5038	216.2559
1762.0238	16	G	3	318.3462	159.6771
1891.1378	17	E	2	261.2948	131.1514
	18	L	1	132.1809	66.5944

NLAHCLQIVCDWTDYDER



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MassTol: Y-zoom:

MassType: AVG MONO

Axis: 1 2

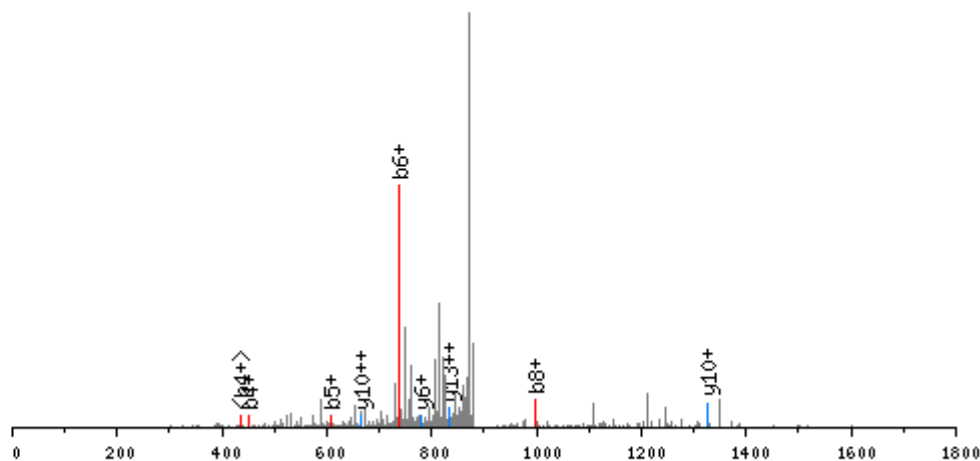
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zoom

LPLQREMKMFLEKL, MH+ 1777.2224, m/z 889.1148
DR7Ii_012110_run1.5027.5027.2.dta

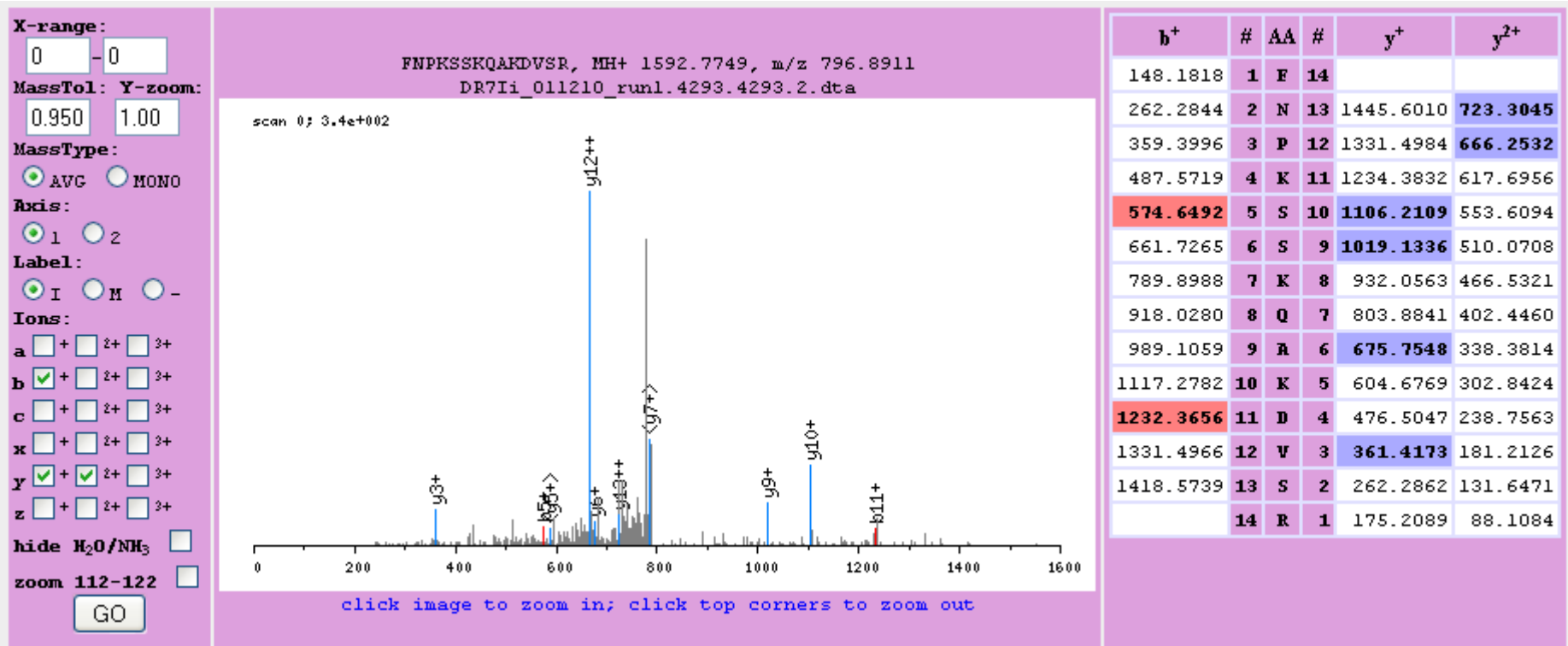
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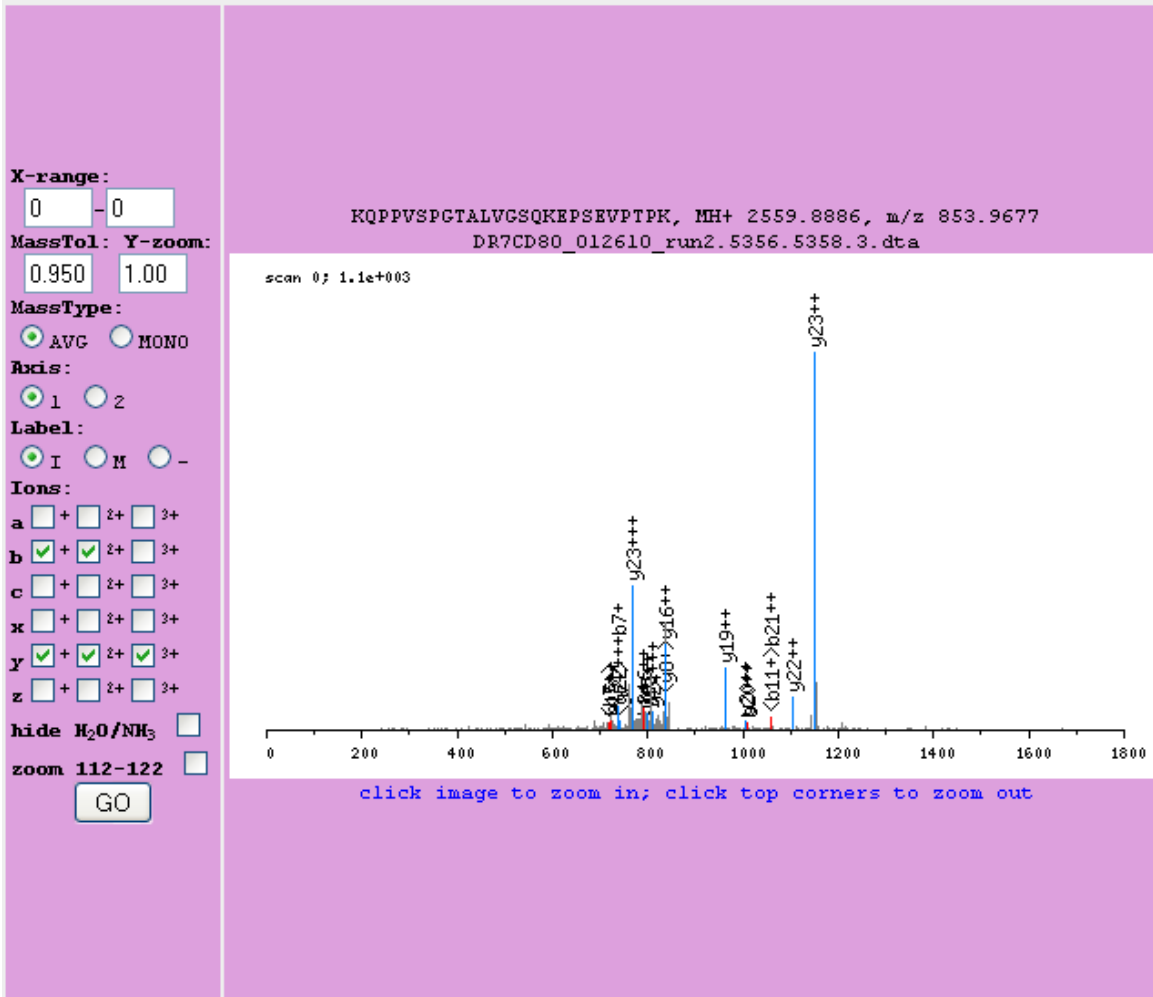
click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	L	14		
211.2808	2	P	13	1664.0647	832.5363
324.4384	3	L	12	1566.9495	783.9787
452.5676	4	Q	11	1453.7919	727.3999
608.7533	5	R	10	1325.6627	663.3353
737.8673	6	E	9	1169.4770	585.2425
869.0633	7	M	8	1040.3630	520.6855
997.2356	8	K	7	909.1670	455.0874
1128.4317	9	M	6	780.9947	391.0013
1275.6055	10	F	5	649.7986	325.4033
1388.7632	11	L	4	502.6248	251.8163
1517.8772	12	E	3	389.4671	195.2375
1646.0494	13	K	2	260.3531	130.6805
	14	L	1	132.1809	66.5944

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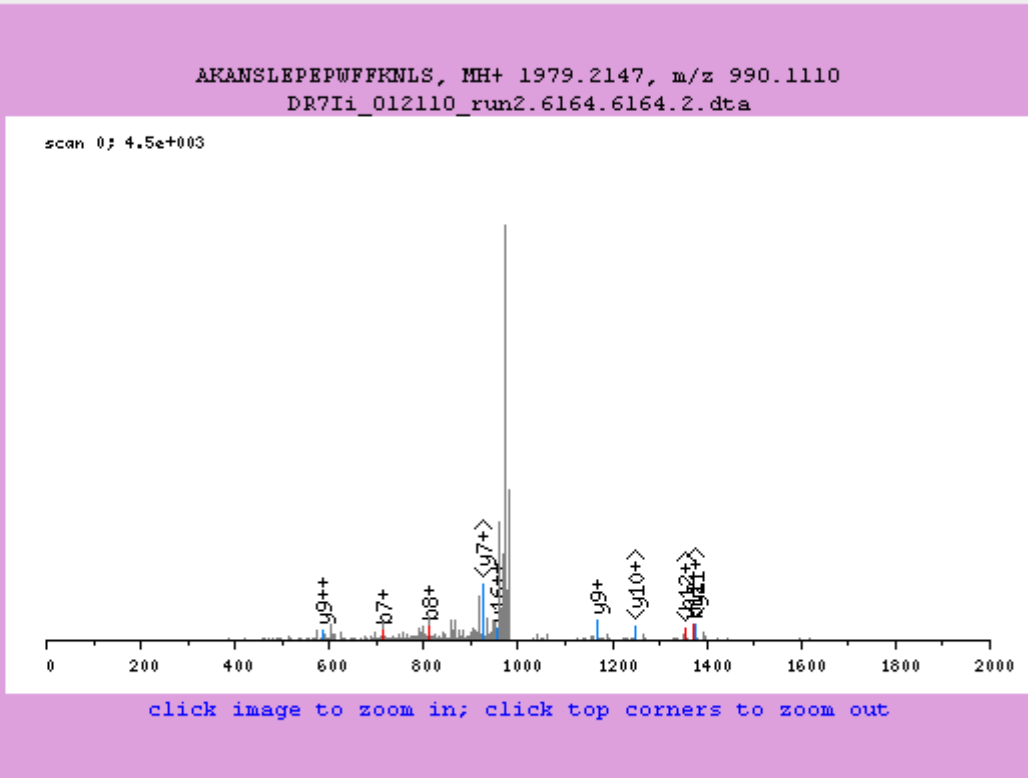
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b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
129.1802	65.0941	1	K	25			
257.3094	129.1587	2	Q	24	2431.7163	1216.3621	811.2441
354.4246	177.7163	3	P	23	2303.5871	1152.2975	768.5343
451.5398	226.2739	4	P	22	2206.4719	1103.7399	736.1626
550.6709	275.8394	5	V	21	2109.3567	1055.1823	703.7909
637.7482	319.3781	6	S	20	2010.2256	1005.6168	670.7472
734.8633	367.9356	7	P	19	1923.1483	962.0781	641.7214
791.9147	396.4613	8	G	18	1826.0332	913.5206	609.3497
893.0185	447.0132	9	T	17	1768.9818	884.9949	590.3326
964.0964	482.5522	10	R	16	1667.8780	834.4430	556.6313
1077.2541	539.1310	11	L	15	1596.8001	798.9040	532.9386
1176.3851	588.6965	12	V	14	1483.6424	742.3252	495.2194
1233.4365	617.2222	13	G	13	1384.5114	692.7597	462.1757
1320.5138	660.7609	14	S	12	1327.4600	664.2340	443.1586
1448.6430	724.8255	15	Q	11	1240.3827	620.6953	414.1329
1576.8153	788.9116	16	K	10	1112.2535	556.6307	371.4231
1705.9292	853.4686	17	E	9	984.0812	492.5446	328.6990
1803.0444	902.0262	18	P	8	854.9673	427.9876	285.6610
1890.1217	945.5648	19	S	7	757.8521	379.4300	253.2893
2019.2357	1010.1218	20	E	6	670.7748	335.8914	224.2636
2118.3668	1059.6874	21	V	5	541.6608	271.3344	181.2256
2215.4819	1108.2449	22	P	4	442.5297	221.7688	148.1819
2316.5858	1158.7969	23	T	3	345.4146	173.2113	115.8101
2413.7010	1207.3545	24	P	2	244.3107	122.6593	82.1089
		25	K	1	147.1955	74.1017	49.7371

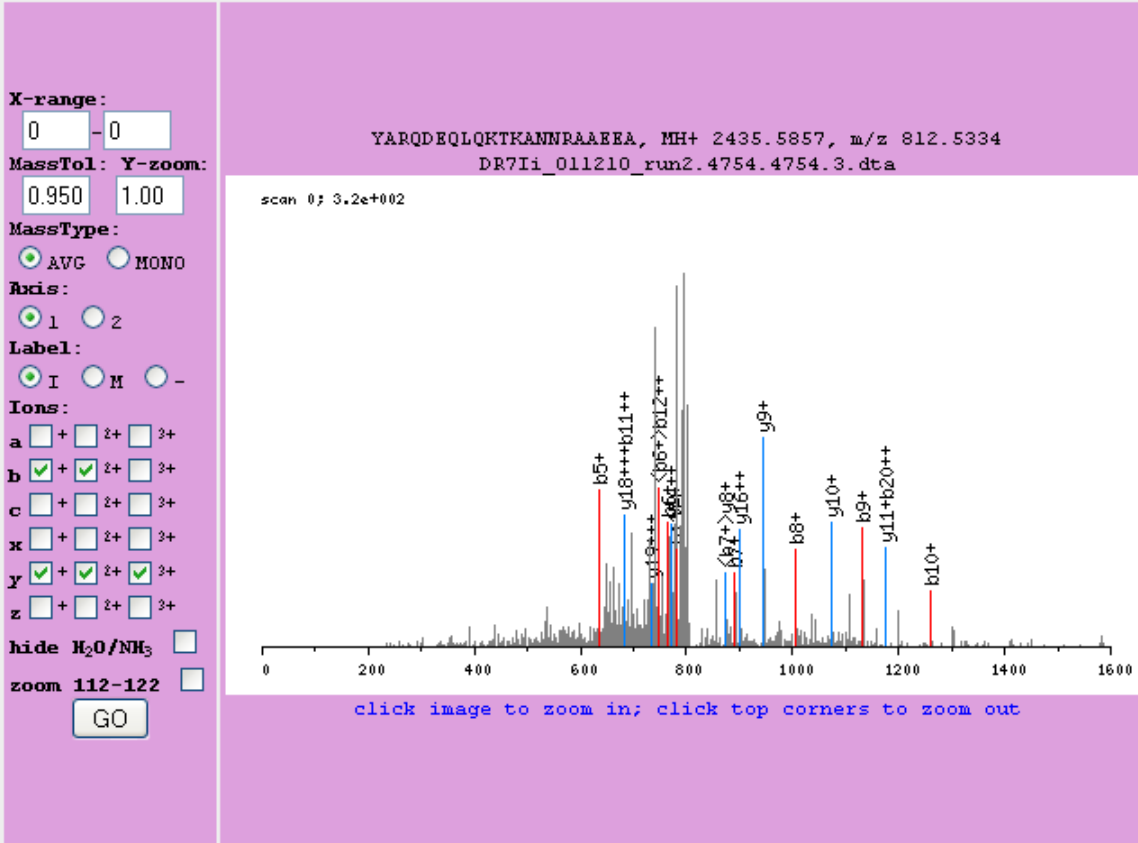
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X-range:
 -
MassTol: **Y-zoom:**
MassType:
 AVG MONO
Axis:
 1 2
Label:
 I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
 hide H₂O/NH₃
zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
72.0858	1	R	17		
200.2581	2	K	16	1908.1368	954.5724
271.3360	3	R	15	1779.9645	890.4862
385.4387	4	N	14	1708.8866	854.9473
472.5160	5	S	13	1594.7840	797.8959
585.6736	6	L	12	1507.7067	754.3573
714.7876	7	E	11	1394.5490	697.7785
811.9028	8	P	10	1265.4350	633.2215
941.0167	9	E	9	1168.3199	584.6639
1038.1319	10	P	8	1039.2059	520.1069
1224.3418	11	W	7	942.0907	471.5493
1371.5157	12	F	6	755.8808	378.4444
1518.6895	13	F	5	608.7069	304.8574
1646.8618	14	K	4	461.5331	231.2705
1760.9645	15	N	3	333.3608	167.1844
1874.1221	16	L	2	219.2582	110.1330
	17	S	1	106.1005	53.5542

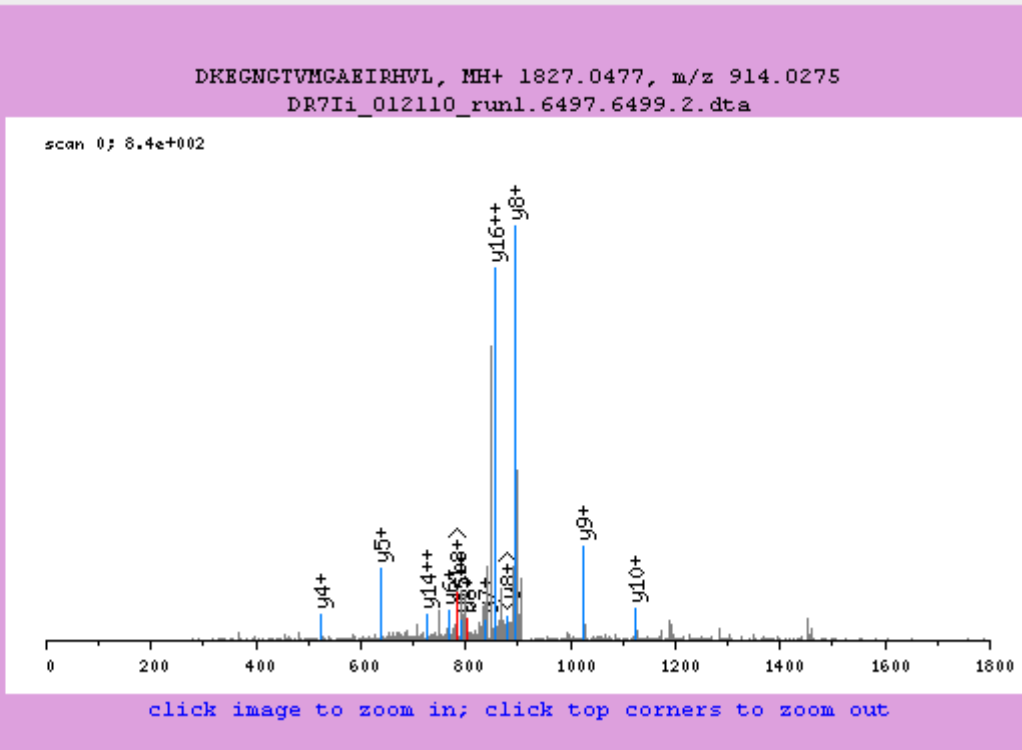
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b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
164.1812	82.5946	1	Y	21			
235.2591	118.1335	2	R	20	2272.4124	1136.7102	758.1428
391.4448	196.2264	3	R	19	2201.3345	1101.1712	734.4501
519.5740	260.2910	4	Q	18	2045.1489	1023.0784	682.3882
634.6614	317.8347	5	D	17	1917.0196	959.0138	639.6785
763.7754	382.3917	6	E	16	1801.9322	901.4701	601.3160
891.9046	446.4563	7	Q	15	1672.8183	836.9131	558.2780
1005.0622	503.0351	8	L	14	1544.6890	772.8485	515.5683
1133.1915	567.0997	9	Q	13	1431.5314	716.2697	477.8491
1261.3637	631.1858	10	K	12	1303.4022	652.2051	435.1394
1362.4676	681.7378	11	T	11	1175.2299	588.1189	392.4153
1490.6399	745.8239	12	K	10	1074.1260	537.5670	358.7140
1561.7178	781.3629	13	R	9	945.9537	473.4808	315.9899
1675.8204	838.4142	14	N	8	874.8758	437.9419	292.2972
1789.9231	895.4655	15	N	7	760.7732	380.8906	254.2630
1946.1088	973.5584	16	R	6	646.6706	323.8393	216.2288
2017.1867	1009.0973	17	R	5	490.4849	245.7464	164.1669
2088.2646	1044.6363	18	R	4	419.4070	210.2075	140.4743
2217.3785	1109.1932	19	E	3	348.3291	174.6685	116.7817
2346.4925	1173.7502	20	E	2	219.2151	110.1115	73.7437
		21	R	1	90.1011	45.5545	30.7057

FDKEGNGTVMGAEIRHVLV

X-range:
 -
MassTol: **Y-zoom:**
MassType:
 AVG MONO
Axis:
 1 2
Label:
 I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
 hide H₂O/NH₃
zoom



b ⁺	#	AA	#	y ⁺	y ²⁺
116.0953	1	D	17		
244.2676	2	K	16	1711.9603	856.4841
373.3816	3	E	15	1583.7880	792.3980
430.4329	4	G	14	1454.6740	727.8410
544.5356	5	N	13	1397.6227	699.3153
601.5869	6	G	12	1283.5200	642.2640
702.6908	7	T	11	1226.4687	613.7383
801.8218	8	V	10	1125.3648	563.1864
933.0179	9	M	9	1026.2338	513.6209
990.0692	10	G	8	895.0377	448.0228
1061.1471	11	R	7	837.9864	419.4972
1190.2611	12	E	6	766.9085	383.9582
1303.4187	13	I	5	637.7945	319.4012
1459.6044	14	R	4	524.6369	262.8224
1596.7437	15	H	3	368.4512	184.7296
1695.8747	16	V	2	231.3119	116.1599
	17	L	1	132.1809	66.5944

TYRQLLEGESRM

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

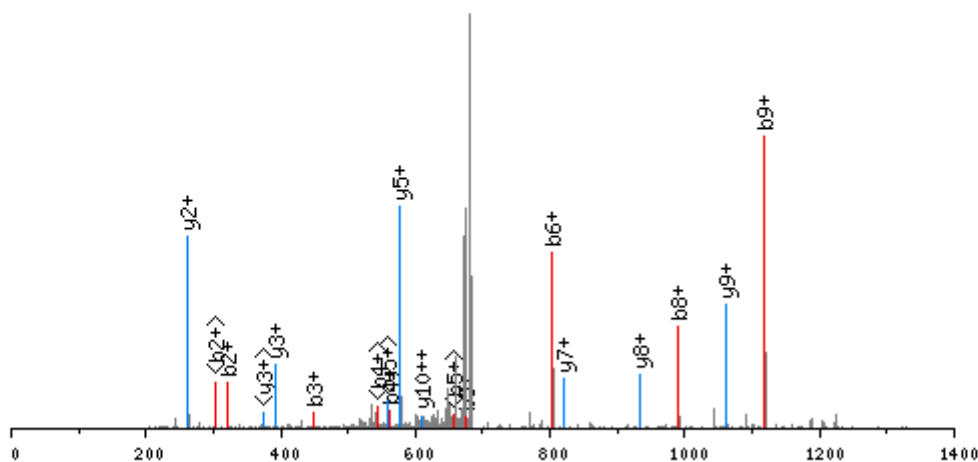
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

TYRQLLEGESR, MH+ 1380.4829, m/z 690.7451
 DR7Ii_012110_run1.4977.4979.2.dta

scan 0; 1.2e+003



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
164.1812	1	Y	11		
320.3669	2	R	10	1217.3096	609.1588
448.4961	3	Q	9	1061.1240	531.0659
561.6537	4	L	8	932.9947	467.0013
674.8114	5	L	7	819.8371	410.4225
803.9254	6	E	6	706.6795	353.8437
860.9767	7	G	5	577.5655	289.2867
990.0907	8	E	4	520.5142	260.7610
1119.2046	9	E	3	391.4002	196.2041
1206.2819	10	S	2	262.2862	131.6471
	11	R	1	175.2089	88.1084

RATGGGLSSVGGGSSTIKYTTTSSSSRK

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

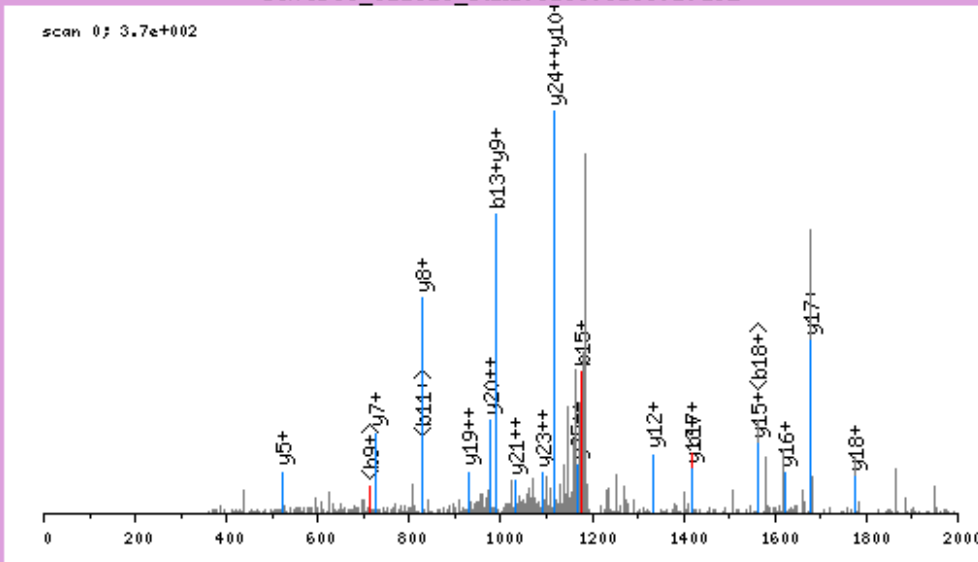
Label:
 I M -

Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom

ATGGGLSSVGGGSSTIKYTTTSSSSR, MH+ 2407.5244, m/z 1204.2658
 DR7CD80_012610_run2.5258.5258.2.dta



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
72.0858	1	R	26		
173.1897	2	T	25	2336.4465	1168.7272
230.2410	3	G	24	2235.3426	1118.1753
287.2924	4	G	23	2178.2913	1089.6496
344.3437	5	G	22	2121.2400	1061.1240
457.5013	6	L	21	2064.1887	1032.5983
544.5786	7	S	20	1951.0310	976.0195
631.6559	8	S	19	1863.9537	932.4808
730.7870	9	V	18	1776.8764	888.9422
787.8383	10	G	17	1677.7454	839.3767
844.8896	11	G	16	1620.6940	810.8510
901.9409	12	G	15	1563.6427	782.3253
989.0182	13	S	14	1506.5914	753.7997
1076.0955	14	S	13	1419.5141	710.2610
1177.1994	15	T	12	1332.4368	666.7224
1290.3571	16	I	11	1231.3329	616.1704
1418.5293	17	K	10	1118.1753	559.5916
1581.7026	18	Y	9	990.0030	495.5055
1682.8065	19	T	8	826.8297	413.9188
1783.9104	20	T	7	725.7259	363.3669
1885.0142	21	T	6	624.6220	312.8150
1972.0915	22	S	5	523.5181	262.2630
2059.1688	23	S	4	436.4408	218.7244
2146.2461	24	S	3	349.3635	175.1857
2233.3234	25	S	2	262.2862	131.6471
	26	R	1	175.2089	88.1084

ATADILRGLLSNVLCRLCSKY

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

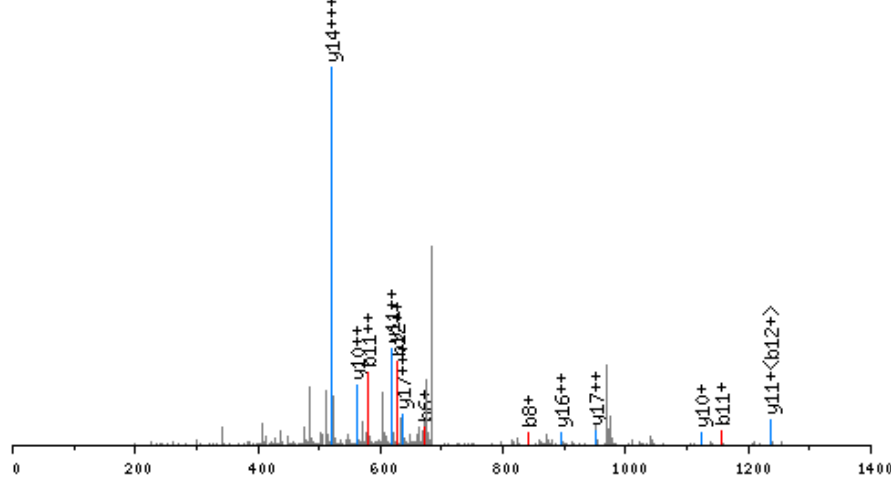
hide H₂O/NH₃

zoom 112-122

GO

TADILRGLLSNVLCRLCSK, MH+ 2076.5073, m/z 692.8406
DR7CD80_012610_run2.5238.5238.3.dta

scan 0: 2.0e+003



click image to zoom in; click top corners to zoom out

b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
102.1118	51.5599	1	T	19			
173.1897	87.0988	2	R	18	1975.4034	988.2057	659.1398
288.2771	144.6425	3	D	17	1904.3255	952.6667	635.4471
401.4348	201.2214	4	I	16	1789.2381	895.1230	597.0847
514.5924	257.8002	5	L	15	1676.0805	838.5442	559.3655
670.7781	335.8930	6	R	14	1562.9228	781.9654	521.6462
727.8294	364.4187	7	G	13	1406.7372	703.8725	469.5843
840.9870	420.9975	8	L	12	1349.6858	675.3469	450.5672
954.1447	477.5763	9	L	11	1236.5282	618.7681	412.8480
1041.2220	521.1150	10	S	10	1123.3706	562.1892	375.1288
1155.3246	578.1663	11	N	9	1036.2933	518.6506	346.1030
1254.4557	627.7318	12	V	8	922.1906	461.5993	308.0688
1367.6133	684.3106	13	L	7	823.0596	412.0337	275.0251
1470.7562	735.8821	14	C	6	709.9019	355.4549	237.3059
1626.9419	813.9749	15	R	5	606.7590	303.8835	202.9250
1740.0995	870.5537	16	L	4	450.5733	225.7906	150.8631
1843.2424	922.1252	17	C	3	337.4157	169.2118	113.1439
1930.3197	965.6638	18	S	2	234.2728	117.6404	78.7629
		19	K	1	147.1955	74.1017	49.7371

LVWVPSDKSGFEPASLKEEV

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

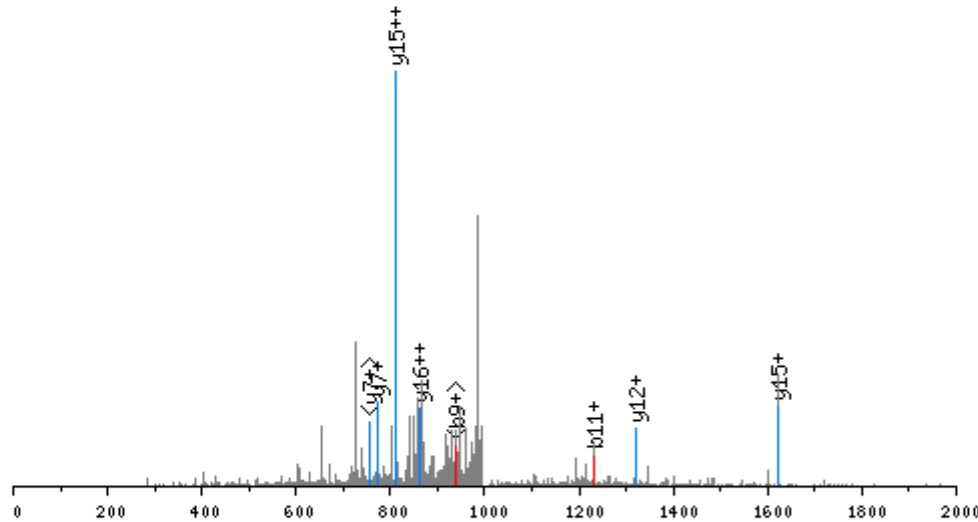
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

VWVPSDKSGFEPASLKEE, MH+ 2006.1921, m/z 1003.5997
 DR7Ii_012110_run1.6517.6517.2.dta

scan 0: 7.7e+02



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
100.1390	1	V	18		
286.3489	2	W	17	1907.0611	954.0345
385.4800	3	V	16	1720.8512	860.9296
482.5951	4	P	15	1621.7201	811.3640
569.6724	5	S	14	1524.6049	762.8064
684.7598	6	D	13	1437.5276	719.2678
812.9321	7	K	12	1322.4402	661.7241
900.0094	8	S	11	1194.2679	597.6379
957.0607	9	G	10	1107.1906	554.0993
1104.2346	10	F	9	1050.1393	525.5736
1233.3486	11	E	8	902.9655	451.9867
1330.4638	12	P	7	773.8515	387.4297
1401.5417	13	R	6	676.7363	338.8721
1488.6190	14	S	5	605.6584	303.3332
1601.7766	15	L	4	518.5811	259.7945
1729.9489	16	K	3	405.4235	203.2157
1859.0629	17	E	2	277.2512	139.1296
	18	E	1	148.1372	74.5726

NYGFSGVMLRGSGIQWDLRKTQPY

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

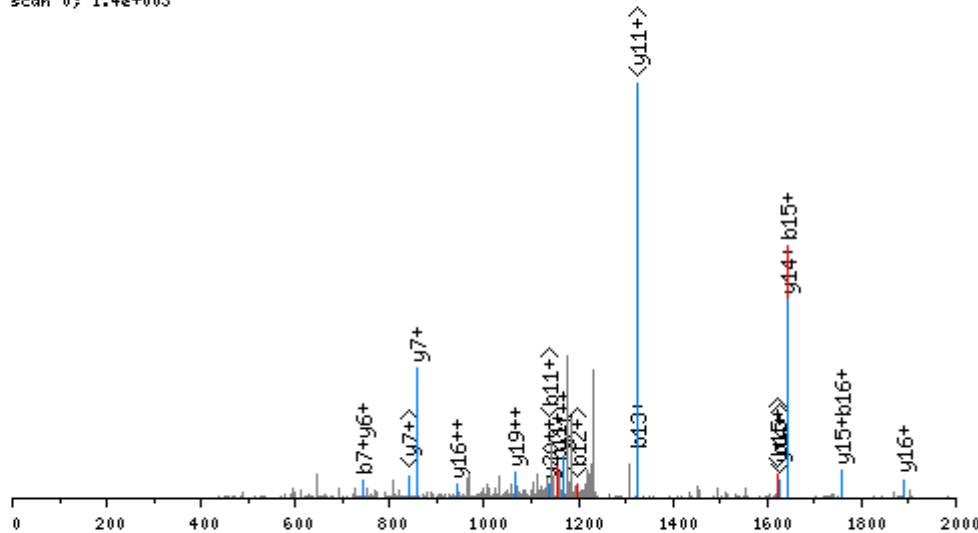
hide H₂O/NH₃

zoom 112-122

GO

YGFSGVMLRGSGIQWDLRKTQP, MH+ 2497.8487, m/z 1249.4280
DR7Ii_011210_run2.5871.5871.2.dta

scan 0: 1.4e+003



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
164.1812	1	Y	22		
221.2325	2	G	21	2334.6754	1167.8417
368.4064	3	F	20	2277.6241	1139.3160
455.4837	4	S	19	2130.4503	1065.7291
512.5350	5	G	18	2043.3730	1022.1905
611.6661	6	V	17	1986.3216	993.6648
742.8621	7	M	16	1887.1906	944.0993
856.0198	8	L	15	1755.9945	878.5012
1012.2054	9	R	14	1642.8369	821.9224
1069.2568	10	G	13	1486.6512	743.8296
1156.3341	11	S	12	1429.5999	715.3039
1213.3854	12	G	11	1342.5226	671.7653
1326.5430	13	I	10	1285.4713	643.2396
1454.6722	14	Q	9	1172.3136	586.6608
1640.8821	15	W	8	1044.1844	522.5962
1755.9695	16	D	7	857.9745	429.4912
1869.1272	17	L	6	742.8871	371.9475
2025.3129	18	R	5	629.7295	315.3687
2153.4851	19	K	4	473.5438	237.2759
2254.5890	20	T	3	345.3715	173.1897
2382.7182	21	Q	2	244.2676	122.6378
	22	P	1	116.1384	58.5732

RRMRLTHCGLQEKHL

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

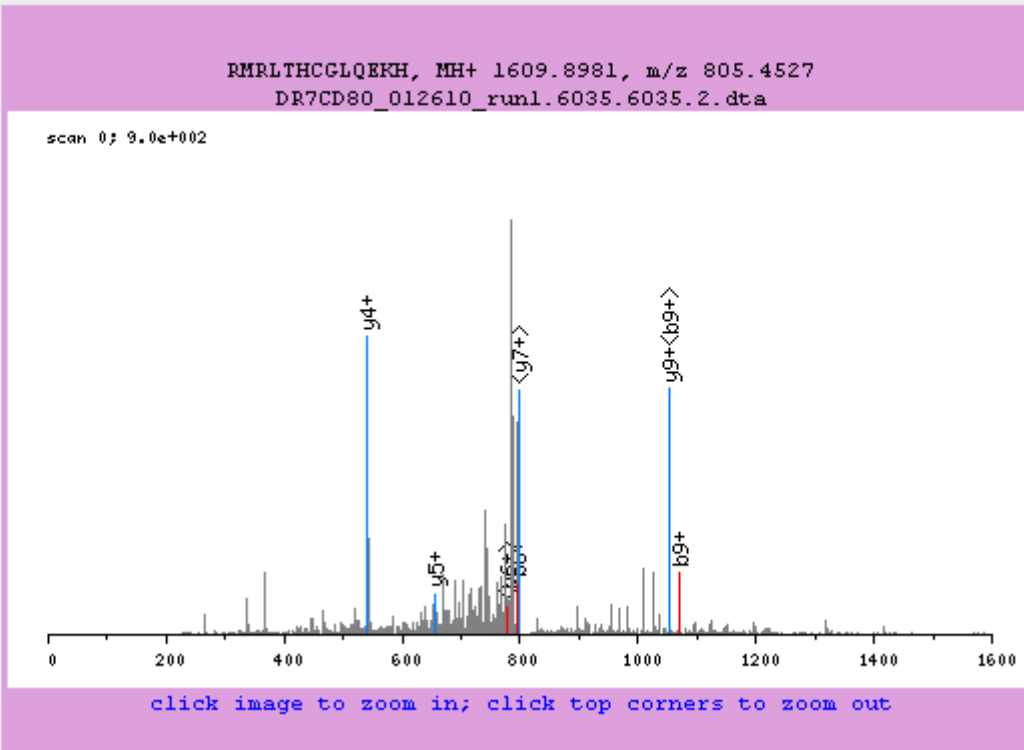
Axis:
 1 2

Label:
 I M -

Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

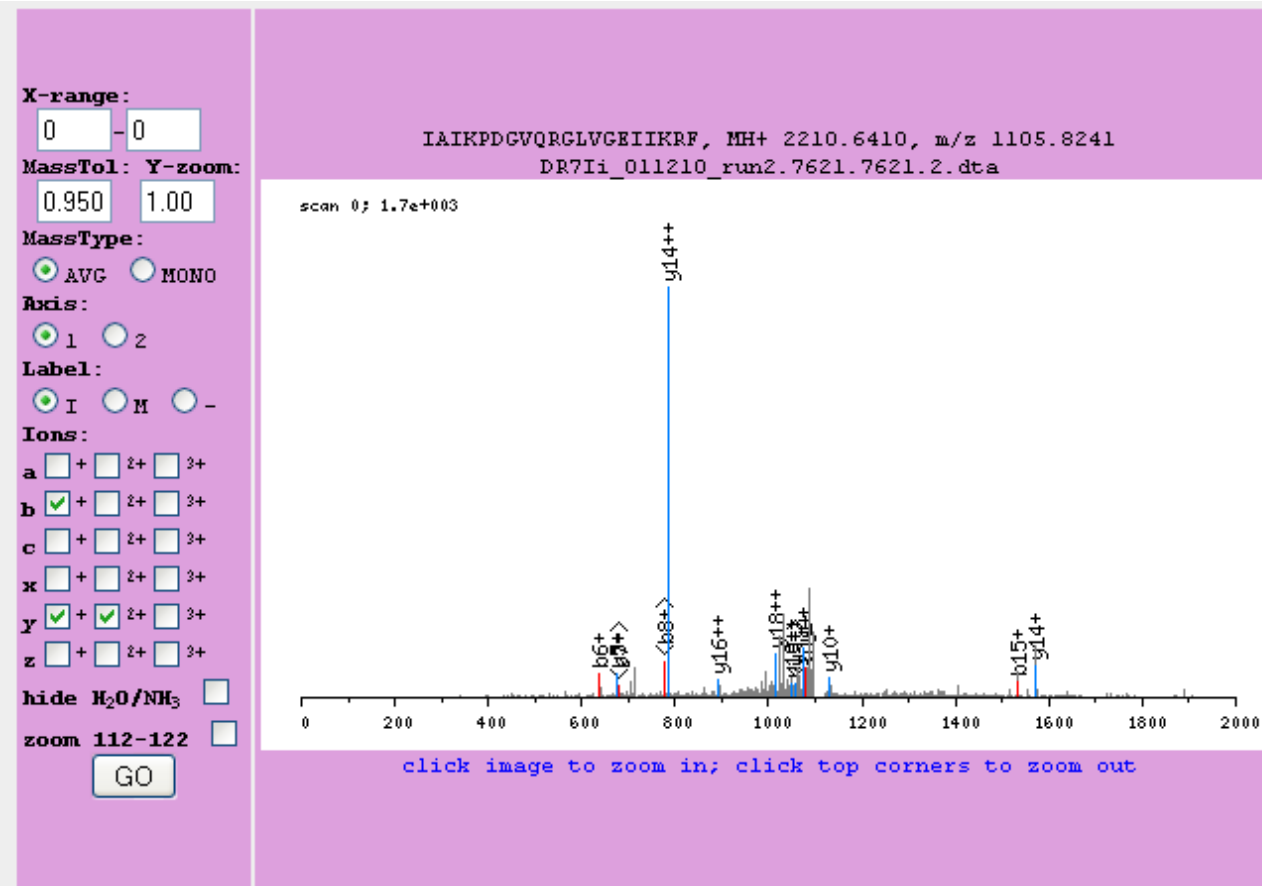
hide H₂O/NH₃

zoom



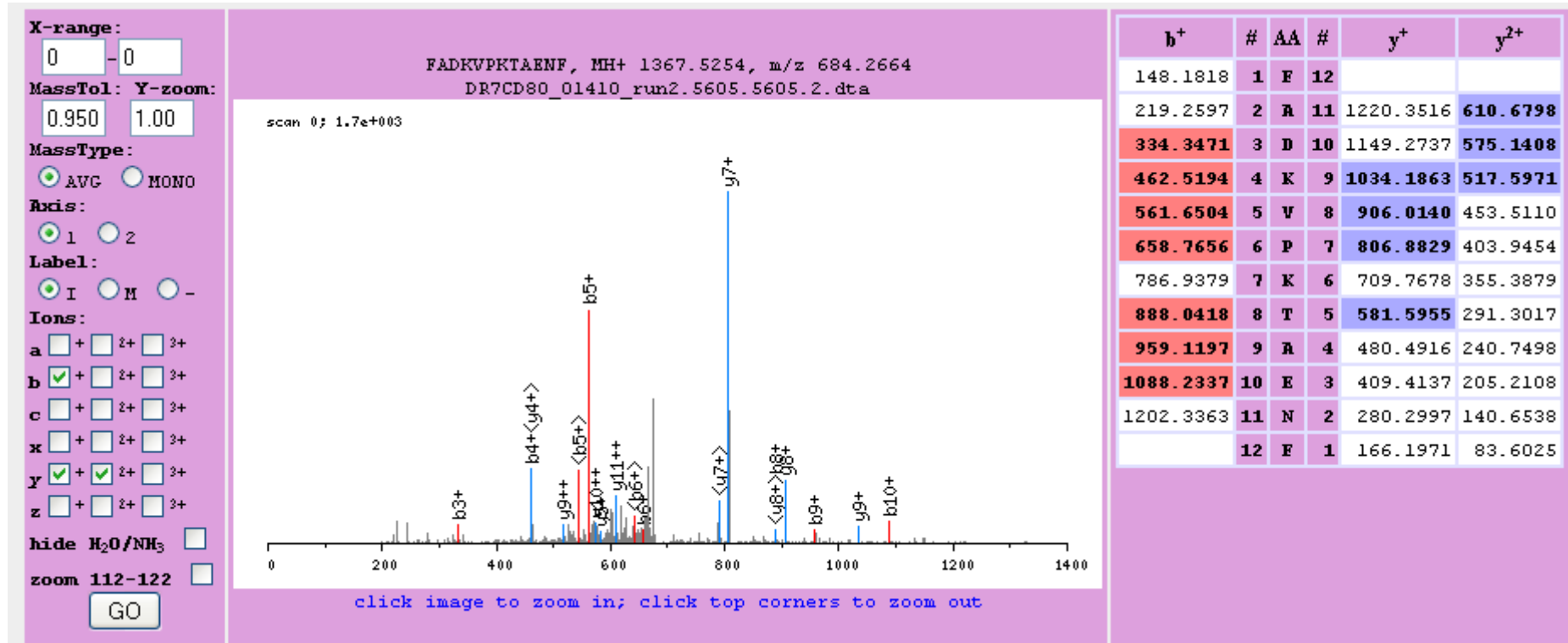
b ⁺	#	AA	#	y ⁺	y ²⁺
157.1936	1	R	13		
288.3897	2	M	12	1453.7124	727.3602
444.5754	3	R	11	1322.5163	661.7621
557.7330	4	L	10	1166.3306	583.6693
658.8369	5	T	9	1053.1730	527.0905
795.9762	6	H	8	952.0691	476.5385
899.1191	7	C	7	814.9298	407.9689
956.1704	8	G	6	711.7869	356.3974
1069.3280	9	L	5	654.7356	327.8718
1197.4572	10	Q	4	541.5780	271.2930
1326.5712	11	E	3	413.4488	207.2283
1454.7435	12	K	2	284.3348	142.6714
	13	H	1	156.1625	78.5852

FIAIKPDGVQRGLVGEIIRFE



b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	I	20		
185.2435	2	R	19	2097.4833	1049.2456
298.4011	3	I	18	2026.4054	1013.7067
426.5734	4	K	17	1913.2478	957.1279
523.6886	5	P	16	1785.0755	893.0417
638.7760	6	D	15	1687.9603	844.4841
695.8273	7	G	14	1572.8729	786.9404
794.9584	8	V	13	1515.8216	758.4148
923.0876	9	Q	12	1416.6905	708.8492
1079.2733	10	R	11	1288.5613	644.7846
1136.3246	11	G	10	1132.3756	566.6918
1249.4822	12	L	9	1075.3243	538.1661
1348.6133	13	V	8	962.1667	481.5873
1405.6646	14	G	7	863.0356	432.0218
1534.7786	15	E	6	805.9843	403.4961
1647.9362	16	I	5	676.8703	338.9391
1761.0939	17	I	4	563.7127	282.3603
1889.2661	18	K	3	450.5550	225.7815
2045.4518	19	R	2	322.3828	161.6953
	20	F	1	166.1971	83.6025

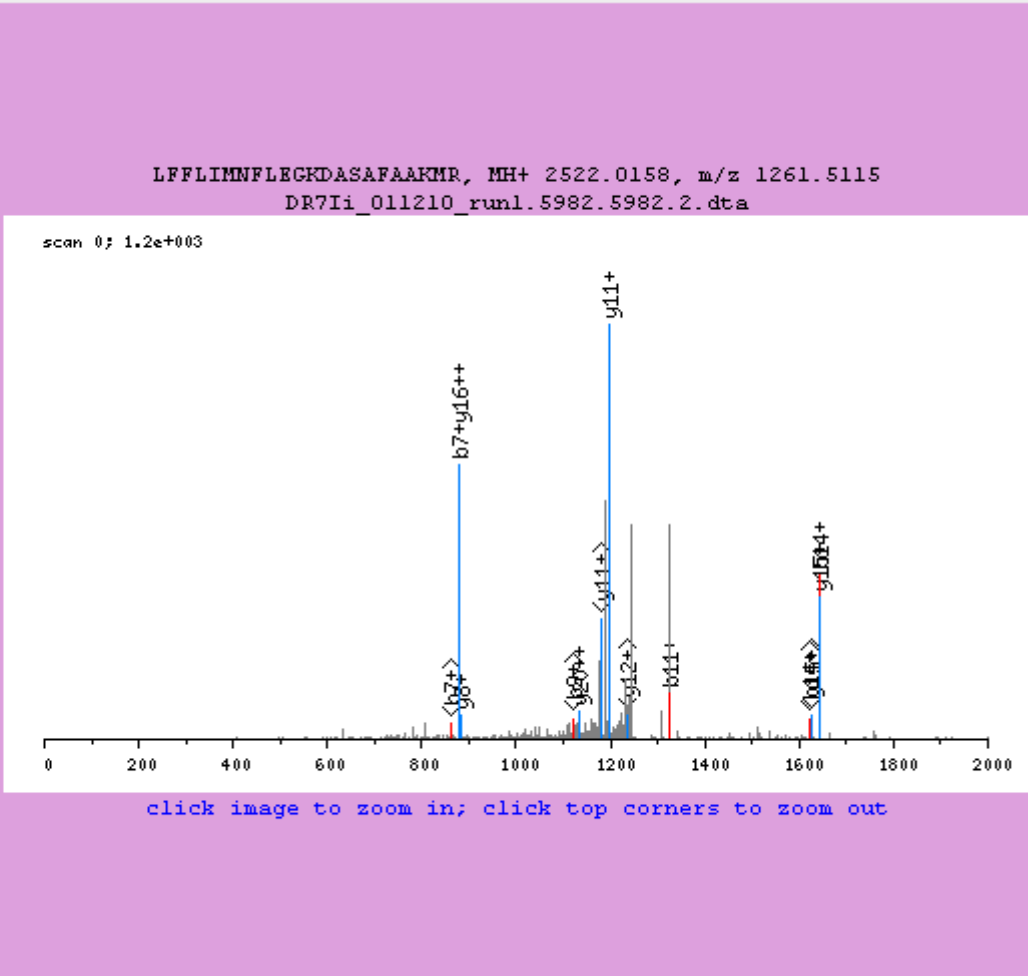
LFADKVPKTAENFR



MLFFLIMNFLEGKDASAFAAKMRG

X-range:
 -
MassTol: **Y-zoom:**

MassType:
 AVG MONO
Axis:
 1 2
Label:
 I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H₂O/NH₃
zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	L	22		
261.3394	2	F	21	2408.8582	1204.9331
408.5133	3	F	20	2261.6843	1131.3461
521.6709	4	L	19	2114.5105	1057.7592
634.8286	5	I	18	2001.3528	1001.1804
766.0246	6	M	17	1888.1952	944.6016
880.1273	7	N	16	1756.9991	879.0035
1027.3011	8	F	15	1642.8965	821.9522
1140.4588	9	L	14	1495.7226	748.3653
1269.5728	10	E	13	1382.5650	691.7865
1326.6241	11	G	12	1253.4510	627.2295
1454.7964	12	K	11	1196.3997	598.7038
1569.8838	13	D	10	1068.2274	534.6177
1640.9617	14	R	9	953.1400	477.0740
1728.0390	15	S	8	882.0621	441.5350
1799.1169	16	R	7	794.9848	397.9964
1946.2907	17	F	6	723.9069	362.4574
2017.3686	18	R	5	576.7330	288.8705
2088.4465	19	R	4	505.6551	253.3315
2216.6188	20	K	3	434.5772	217.7926
2347.8149	21	M	2	306.4050	153.7065
	22	R	1	175.2089	88.1084

EEEGKGDASGNKVKAEPAKIEAF

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

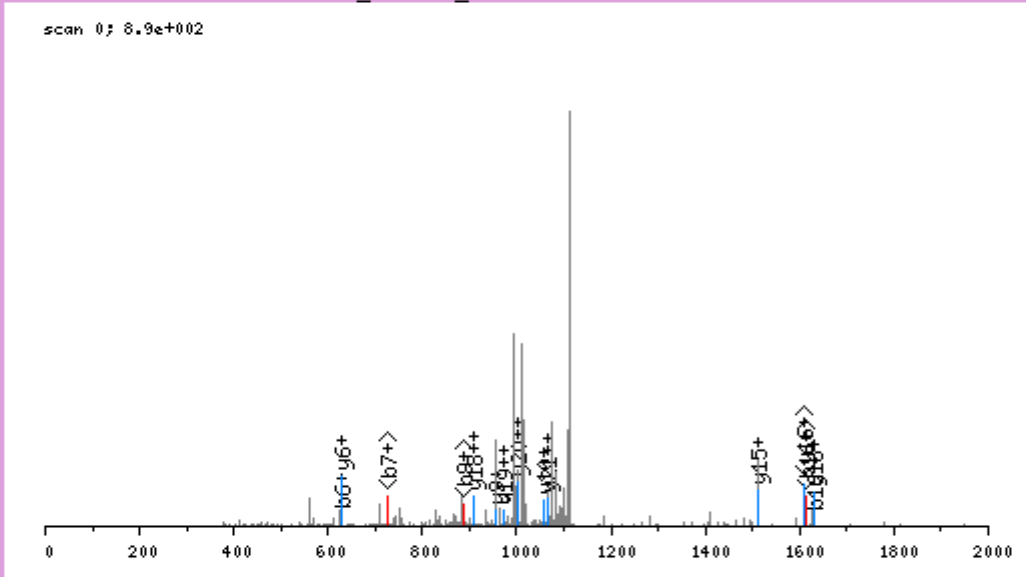
Label:
 I M -

Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

EEEGKGDASGNKVKAEPAKIEA, MH+ 2257.4773, m/z 1129.2423
 DR7Ii_012110_run1.4440.4440.2.dta



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
130.1219	1	E	22		
259.2359	2	E	21	2128.3633	1064.6856
316.2872	3	G	20	1999.2494	1000.1286
444.4595	4	K	19	1942.1980	971.6030
501.5108	5	G	18	1814.0258	907.5168
629.6831	6	K	17	1756.9744	878.9912
744.7705	7	D	16	1628.8022	814.9050
815.8484	8	R	15	1513.7148	757.3613
902.9257	9	S	14	1442.6369	721.8224
959.9770	10	G	13	1355.5596	678.2837
1074.0797	11	N	12	1298.5082	649.7581
1202.2519	12	K	11	1184.4056	592.7068
1301.3830	13	V	10	1056.2333	528.6206
1429.5553	14	K	9	957.1023	479.0551
1500.6332	15	R	8	828.9300	414.9690
1629.7472	16	E	7	757.8521	379.4300
1726.8623	17	P	6	628.7381	314.8730
1797.9402	18	R	5	531.6229	266.3154
1926.1125	19	K	4	460.5450	230.7765
2039.2702	20	I	3	332.3727	166.6903
2168.3841	21	E	2	219.2151	110.1115
	22	R	1	90.1011	45.5545

EDVIINGHSHEDDNPFAEY

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

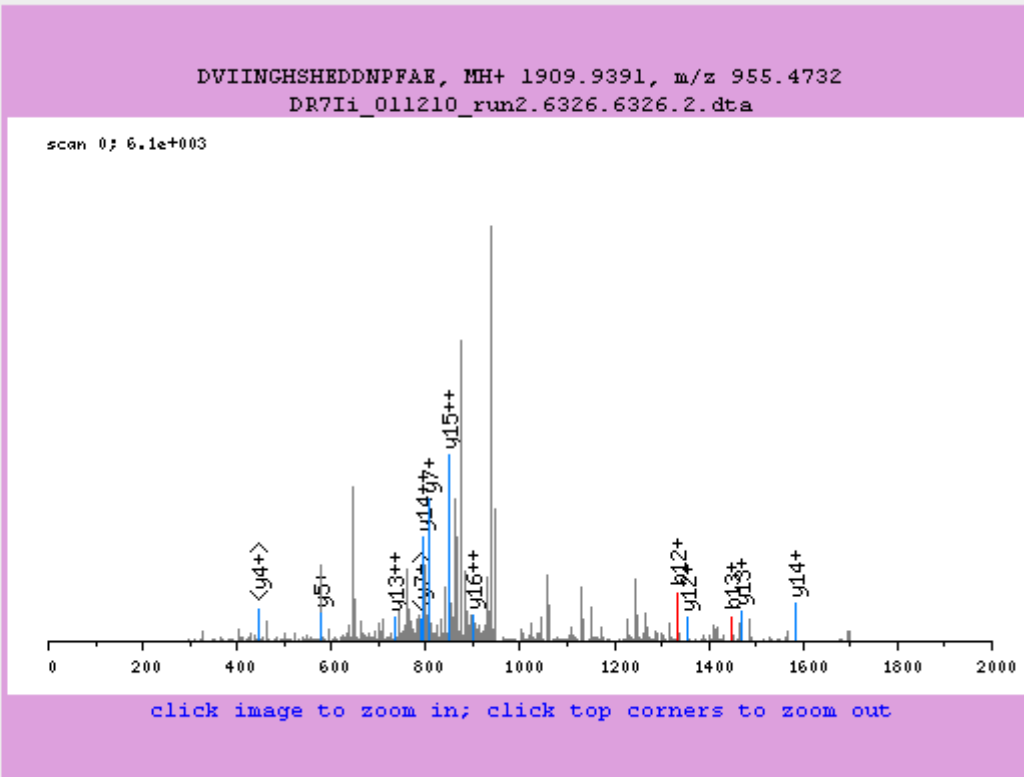
x + 2+ 3+

Y + 2+ 3+

z + 2+ 3+

hide H₂O/NH₃

zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
116.0953	1	D	17		
215.2264	2	V	16	1794.8517	897.9298
328.3840	3	I	15	1695.7207	848.3643
441.5417	4	I	14	1582.5630	791.7855
555.6443	5	N	13	1469.4054	735.2067
612.6956	6	G	12	1355.3027	678.1553
749.8349	7	H	11	1298.2514	649.6297
836.9122	8	S	10	1161.1121	581.0600
974.0515	9	H	9	1074.0348	537.5214
1103.1655	10	E	8	936.8956	468.9518
1218.2529	11	D	7	807.7816	404.3948
1333.3403	12	D	6	692.6942	346.8511
1447.4429	13	N	5	577.6068	289.3074
1544.5581	14	P	4	463.5041	232.2560
1691.7320	15	F	3	366.3890	183.6985
1762.8099	16	R	2	219.2151	110.1115
	17	E	1	148.1372	74.5726

YIDENQDRYIKKLAKWV

X-range:
 -

MassTol: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

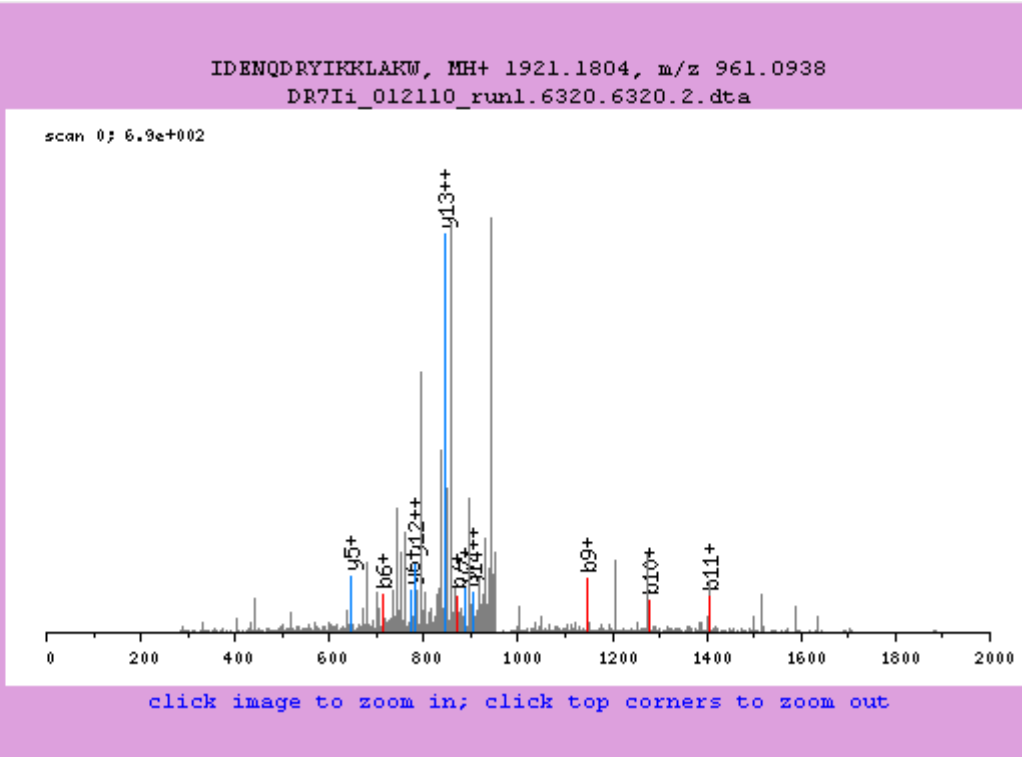
x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

hide H₂O/NH₃

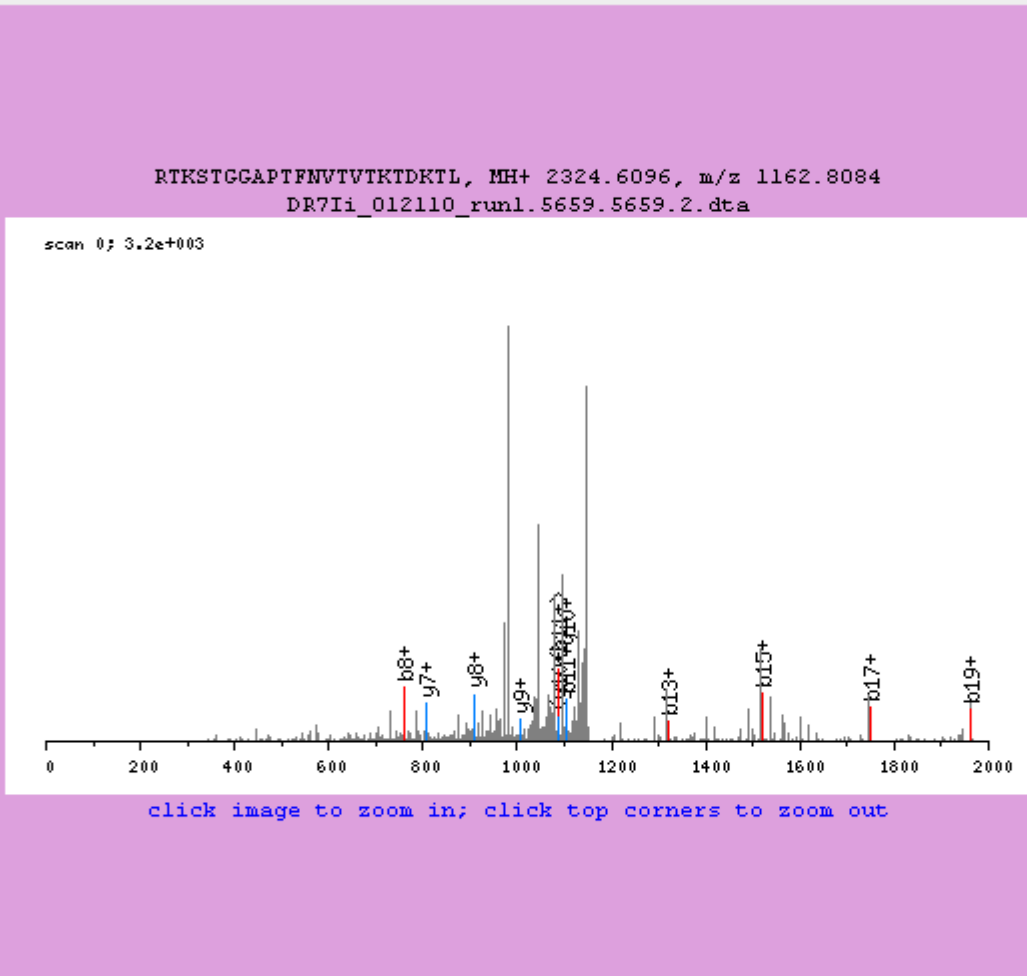
zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	I	15		
229.2530	2	D	14	1808.0227	904.5153
358.3670	3	E	13	1692.9353	846.9716
472.4696	4	N	12	1563.8213	782.4146
600.5988	5	Q	11	1449.7187	725.3633
715.6862	6	D	10	1321.5895	661.2987
871.8719	7	R	9	1206.5021	603.7550
1035.0452	8	Y	8	1050.3164	525.6622
1148.2028	9	I	7	887.1431	444.0755
1276.3751	10	K	6	773.9855	387.4967
1404.5474	11	K	5	645.8132	323.4106
1517.7050	12	L	4	517.6409	259.3244
1588.7829	13	R	3	404.4833	202.7456
1716.9552	14	K	2	333.4054	167.2067
	15	W	1	205.2331	103.1205

LRTKSTGGAPTFNVTVTKTDKTLV

X-range:
 -
MassTol: **Y-zoom:**
MassType:
 AVG MONO
Axis:
 1 2
Label:
 I M -
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+
hide H₂O/NH₃
zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
157.1936	1	R	22		
258.2975	2	T	21	2168.4239	1084.7159
386.4698	3	K	20	2067.3200	1034.1640
473.5471	4	S	19	1939.1477	970.0778
574.6510	5	T	18	1852.0704	926.5392
631.7023	6	G	17	1750.9666	875.9872
688.7536	7	G	16	1693.9152	847.4616
759.8315	8	R	15	1636.8639	818.9359
856.9467	9	P	14	1565.7860	783.3970
958.0506	10	T	13	1468.6708	734.8394
1105.2244	11	F	12	1367.5670	684.2874
1219.3271	12	N	11	1220.3931	610.7005
1318.4581	13	V	10	1106.2905	553.6492
1419.5620	14	T	9	1007.1594	504.0837
1518.6931	15	V	8	906.0555	453.5317
1619.7969	16	T	7	806.9245	403.9662
1747.9692	17	K	6	705.8206	353.4143
1849.0731	18	T	5	577.6483	289.3281
1964.1605	19	D	4	476.5444	238.7762
2092.3328	20	K	3	361.4570	181.2325
2193.4367	21	T	2	233.2847	117.1463
	22	L	1	132.1809	66.5944

LEKIVNPKGEEKPSM

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

Y + 2+ 3+

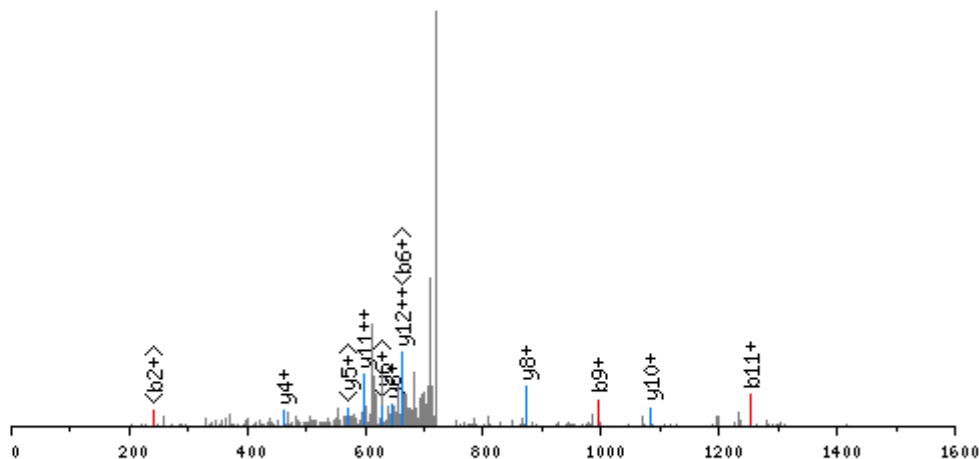
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

EKIVNPKGEEKPS, MH+ 1455.6323, m/z 728.3198
 DR7Ii_011210_run1.4477.4477.2.dta

scan 0; 4.6e+002



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
130.1219	1	E	13		
258.2942	2	K	12	1326.5183	663.7631
371.4518	3	I	11	1198.3461	599.6770
470.5829	4	V	10	1085.1884	543.0982
584.6855	5	N	9	986.0574	493.5326
681.8007	6	P	8	871.9547	436.4813
809.9730	7	K	7	774.8395	387.9237
867.0243	8	G	6	646.6673	323.8376
996.1383	9	E	5	589.6159	295.3119
1125.2523	10	E	4	460.5020	230.7549
1253.4246	11	K	3	331.3880	166.1980
1350.5397	12	P	2	203.2157	102.1118
	13	S	1	106.1005	53.5542

LIGGITGPIAKLIHEQQSSS

X-range: -

MassTol: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

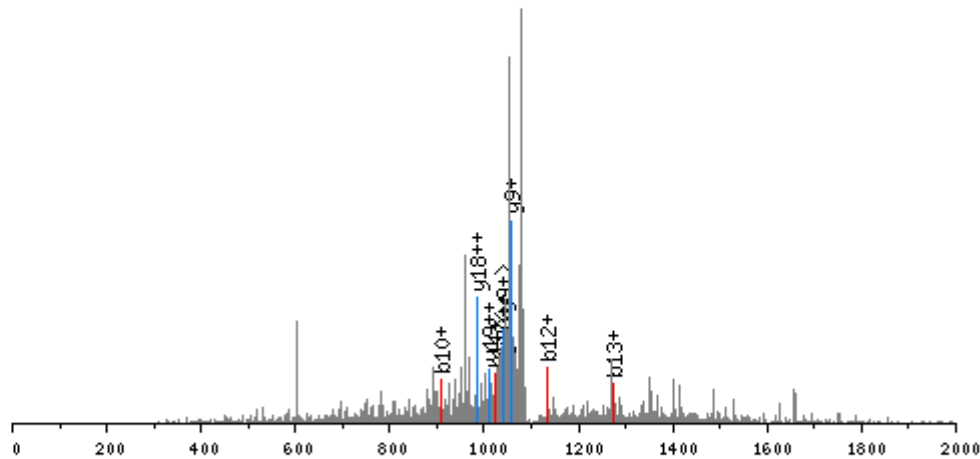
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

IGGITGPIAKLIHEQQSSS, MH+ 2194.4214, m/z 1097.7143
 DR7Ii_011210_run1.7572.7572.2.dta

scan 0; 6.8e+002



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	I	21		
171.2169	2	G	20	2081.2638	1041.1359
228.2682	3	G	19	2024.2125	1012.6102
341.4259	4	I	18	1967.1611	984.0845
442.5297	5	T	17	1854.0035	927.5057
499.5811	6	G	16	1752.8996	876.9538
596.6962	7	P	15	1695.8483	848.4281
709.8539	8	I	14	1598.7331	799.8705
780.9318	9	R	13	1485.5755	743.2917
909.1041	10	K	12	1414.4976	707.7528
1022.2617	11	L	11	1286.3253	643.6666
1135.4193	12	I	10	1173.1677	587.0878
1272.5586	13	H	9	1060.0100	530.5090
1401.6726	14	E	8	922.8707	461.9393
1529.8018	15	Q	7	793.7568	397.3824
1658.9158	16	E	6	665.6275	333.3177
1787.0450	17	Q	5	536.5136	268.7608
1915.1742	18	Q	4	408.3843	204.6961
2002.2515	19	S	3	280.2551	140.6315
2089.3288	20	S	2	193.1778	97.0929
	21	S	1	106.1005	53.5542

FSRYSGSEGSTQTLTKGELKVL

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

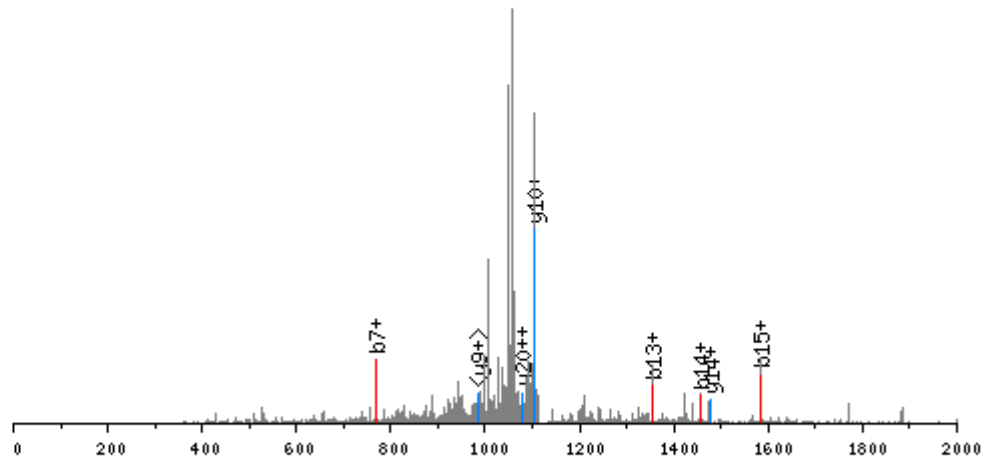
hide H₂O/NH₃

zoom 112-122

GO

FSRYSGSEGSTQTLTKGELKVL, MH+ 2242.4627, m/z 1121.7350
DR7Ii_011210_run1.6331.6331.2.dta

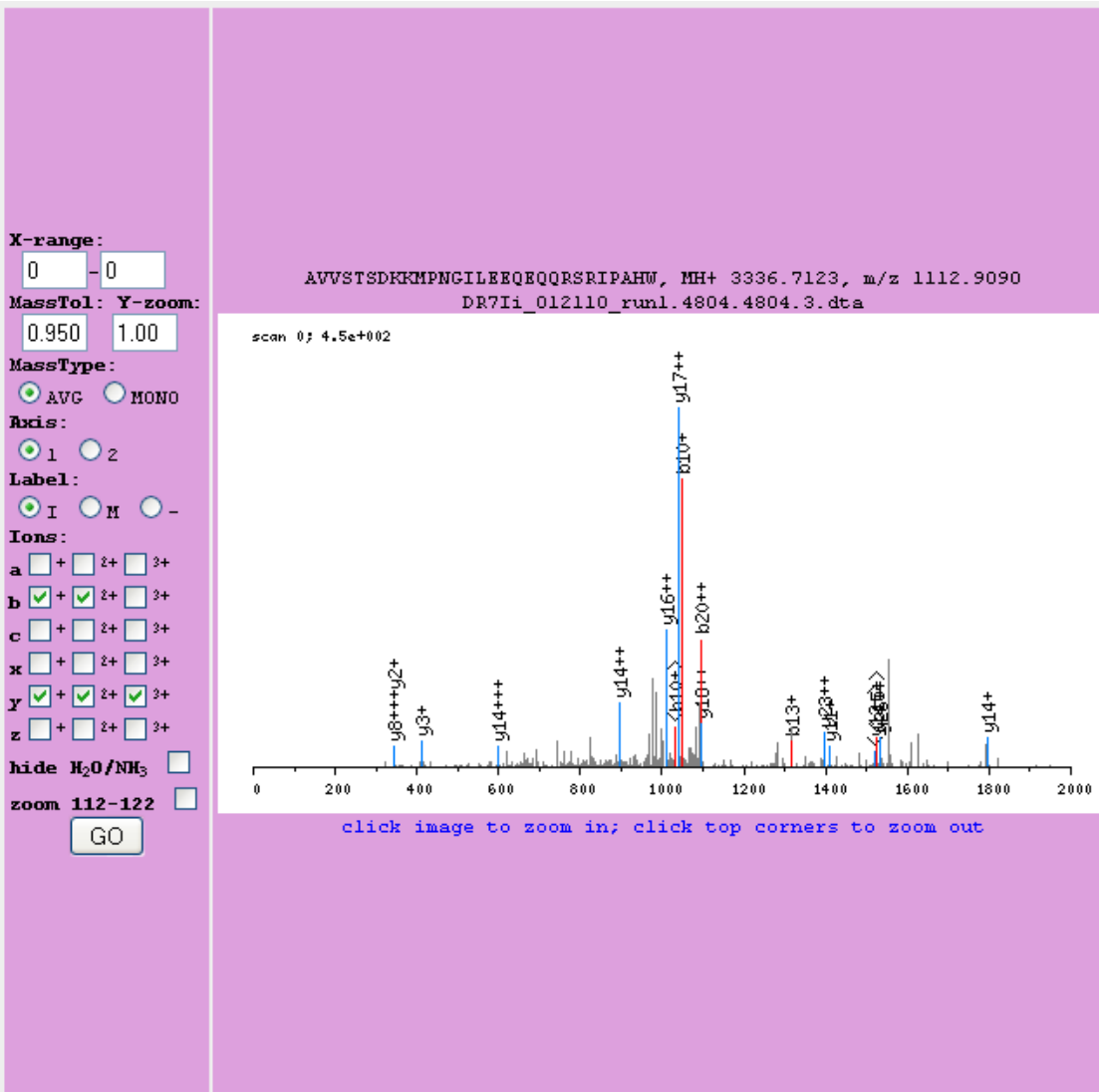
scan 0; 1.7e+003



click image to zoom in; click top corners to zoom out

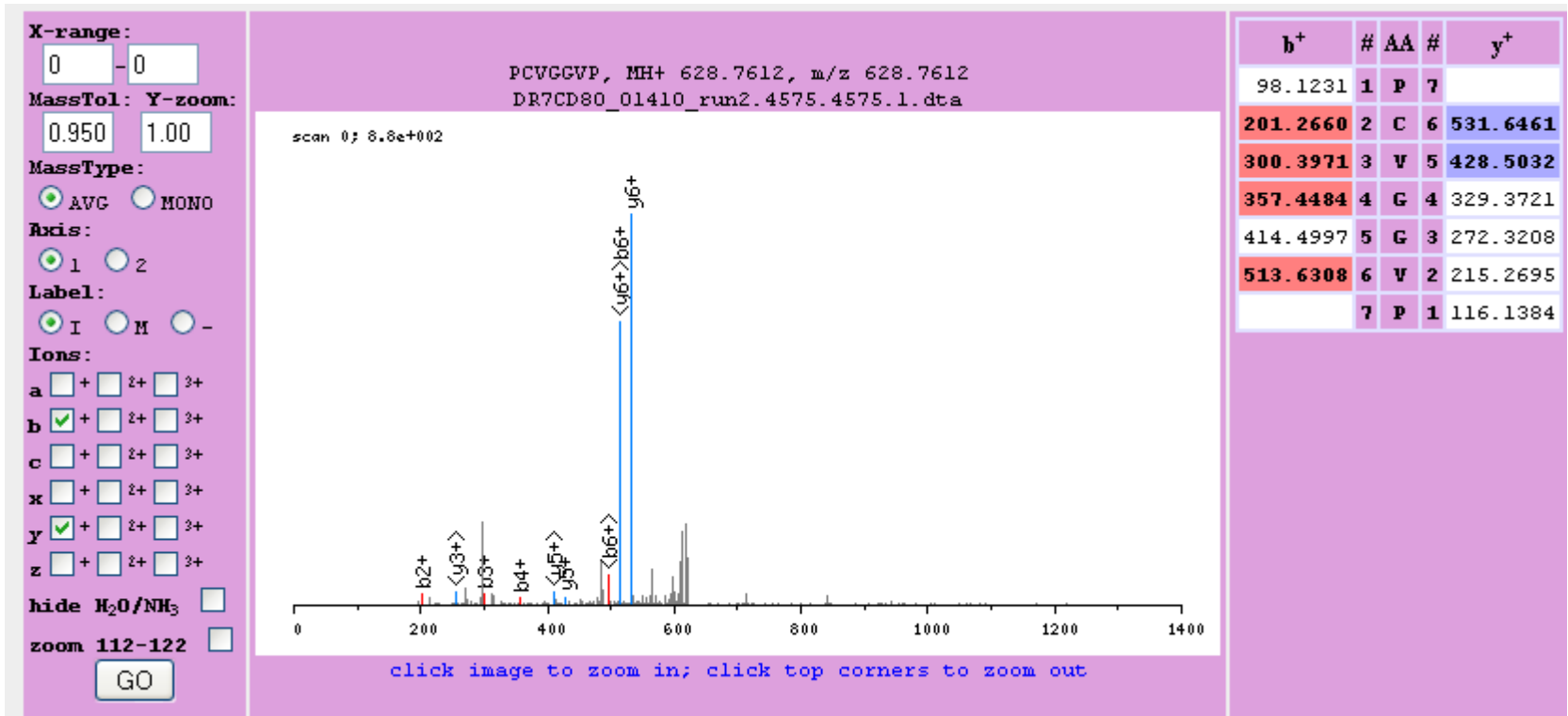
b ⁺	#	AA	#	y ⁺	y ²⁺
88.0852	1	S	21		
244.2709	2	R	20	2155.3854	1078.1967
407.4442	3	Y	19	1999.1997	1000.1038
494.5215	4	S	18	1836.0264	918.5172
551.5728	5	G	17	1748.9491	874.9785
638.6501	6	S	16	1691.8978	846.4529
767.7641	7	E	15	1604.8205	802.9142
824.8154	8	G	14	1475.7065	738.3572
911.8927	9	S	13	1418.6552	709.8316
1012.9966	10	T	12	1331.5779	666.2929
1141.1258	11	Q	11	1230.4740	615.7410
1242.2297	12	T	10	1102.3448	551.6764
1355.3873	13	L	9	1001.2409	501.1244
1456.4912	14	T	8	888.0833	444.5456
1584.6635	15	K	7	786.9794	393.9937
1641.7148	16	G	6	658.8071	329.9075
1770.8288	17	E	5	601.7558	301.3819
1883.9864	18	L	4	472.6418	236.8249
2012.1587	19	K	3	359.4842	180.2461
2111.2898	20	V	2	231.3119	116.1599
	21	L	1	132.1809	66.5944

KAVVSTSDKKMPNGILEEQEQQRSRIPAHWR

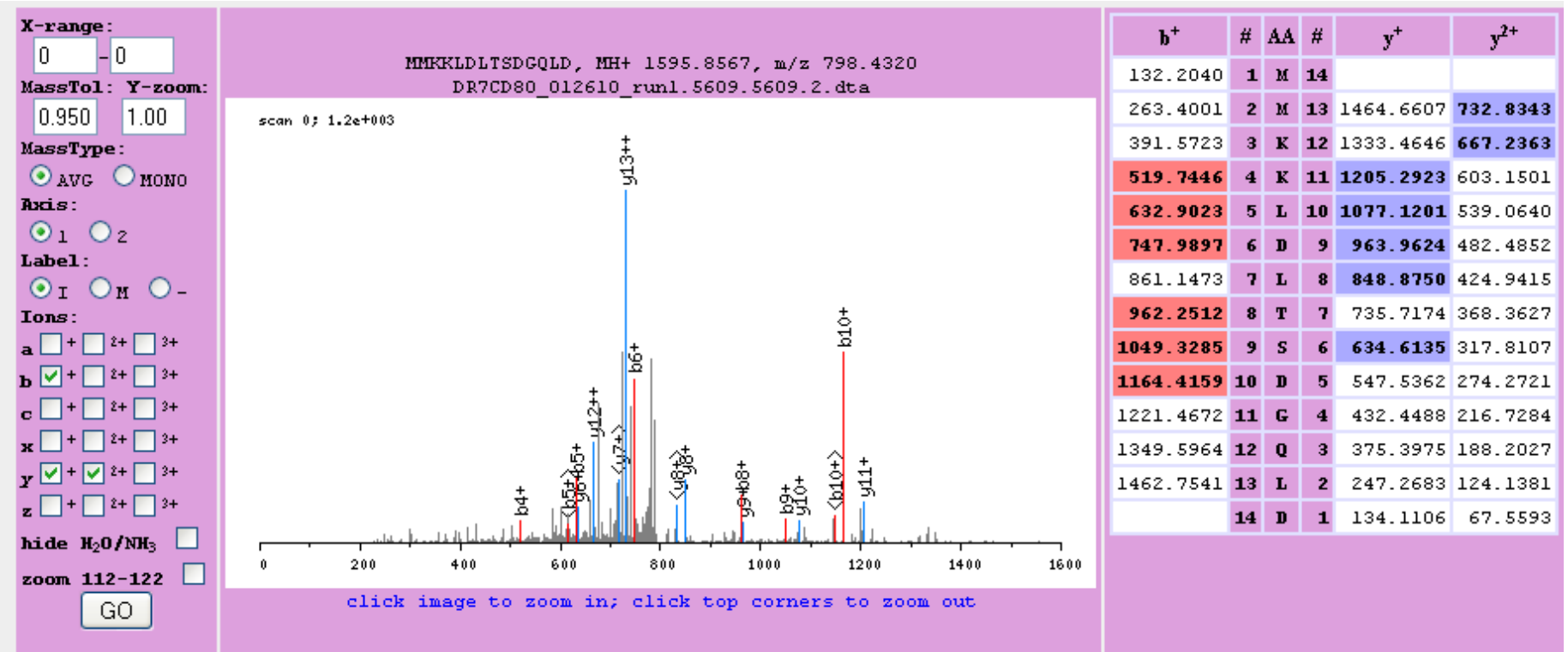


b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
72.0858	36.5469	1	R	29			
171.2169	86.1124	2	V	28	3265.6344	1633.3212	1089.2168
270.3480	135.6780	3	V	27	3166.5034	1583.7556	1056.1731
357.4253	179.2166	4	S	26	3067.3723	1534.1901	1023.1294
458.5291	229.7685	5	T	25	2980.2950	1490.6515	994.1036
545.6064	273.3072	6	S	24	2879.1911	1440.0995	960.4023
660.6938	330.8509	7	D	23	2792.1138	1396.5609	931.3766
788.8661	394.9370	8	K	22	2677.0264	1339.0172	893.0141
917.0384	459.0232	9	K	21	2548.8541	1274.9310	850.2900
1048.2345	524.6212	10	M	20	2420.6819	1210.8449	807.5659
1145.3496	573.1788	11	P	19	2289.4858	1145.2469	763.8339
1259.4523	630.2301	12	N	18	2192.3706	1096.6893	731.4622
1316.5036	658.7558	13	G	17	2078.2680	1039.6380	693.4280
1429.6612	715.3346	14	I	16	2021.2167	1011.1123	674.4108
1542.8189	771.9134	15	L	15	1908.0590	954.5335	636.6916
1671.9329	836.4704	16	E	14	1794.9014	897.9547	598.9724
1801.0468	901.0274	17	E	13	1665.7874	833.3977	555.9344
1929.1761	965.0920	18	Q	12	1536.6734	768.8407	512.8964
2058.2900	1029.6490	19	E	11	1408.5442	704.7761	470.1867
2186.4193	1093.7136	20	Q	10	1279.4302	640.2191	427.1487
2314.5485	1157.7782	21	Q	9	1151.3010	576.1545	384.4390
2470.7342	1235.8711	22	R	8	1023.1718	512.0899	341.7292
2557.8115	1279.4097	23	S	7	866.9861	433.9970	289.6673
2713.9971	1357.5025	24	R	6	779.9088	390.4584	260.6416
2827.1548	1414.0814	25	I	5	623.7231	312.3655	208.5797
2924.2700	1462.6389	26	P	4	510.5655	255.7867	170.8605
2995.3479	1498.1779	27	R	3	413.4503	207.2291	138.4887
3132.4871	1566.7475	28	H	2	342.3724	171.6902	114.7961
		29	W	1	205.2331	103.1205	69.0830

PPCVGGVPG



HMMKKLDLTSDGQLDF



DAEQRGELAIKDANAKLSELE

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Axis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

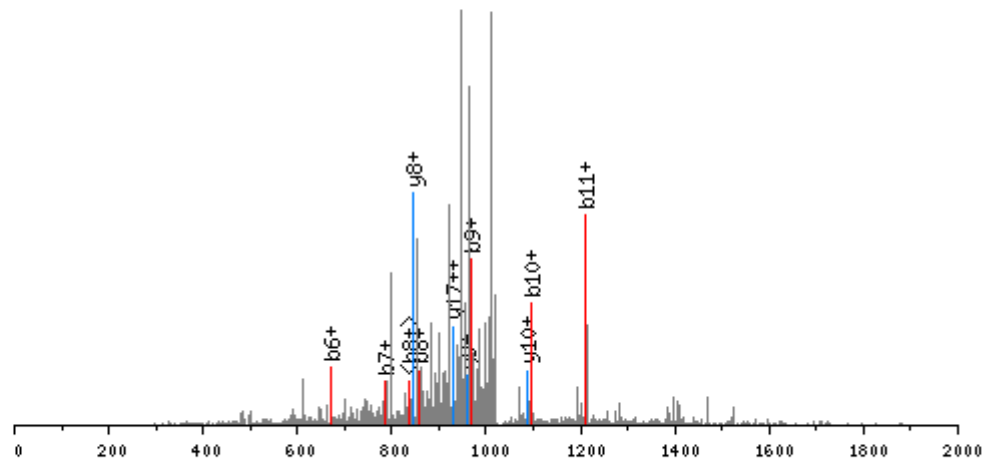
hide H₂O/NH₃

zoom 112-122

GO

AEQRGELAIKDANAKLSEL, MH+ 2057.2854, m/z 1029.1464
DR7Ii_012110_run1.6356.6356.2.dta

scan 0; 1.0e+003



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
72.0858	1	R	19		
201.1998	2	E	18	1986.2075	993.6077
329.3290	3	Q	17	1857.0936	929.0507
485.5147	4	R	16	1728.9643	864.9861
542.5660	5	G	15	1572.7787	786.8933
671.6800	6	E	14	1515.7273	758.3676
784.8377	7	L	13	1386.6134	693.8106
855.9156	8	R	12	1273.4557	637.2318
969.0732	9	I	11	1202.3778	601.6929
1097.2455	10	K	10	1089.2202	545.1141
1212.3329	11	D	9	961.0479	481.0279
1283.4108	12	R	8	845.9605	423.4842
1397.5134	13	N	7	774.8826	387.9453
1468.5913	14	R	6	660.7800	330.8940
1596.7636	15	K	5	589.7021	295.3550
1709.9212	16	L	4	461.5298	231.2689
1796.9985	17	S	3	348.3721	174.6900
1926.1125	18	E	2	261.2948	131.1514
	19	L	1	132.1809	66.5944

FILKHTGPGILSMANAGPNTNGSQFF

X-range: -

MassTo1: Y-zoom:

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

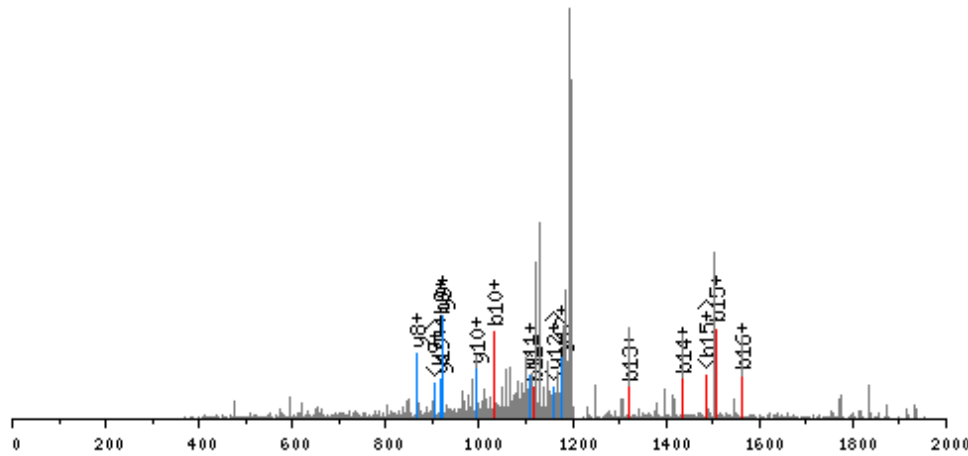
Ions:
a + 2+ 3+
b + 2+ 3+
c + 2+ 3+
x + 2+ 3+
y + 2+ 3+
z + 2+ 3+

hide H₂O/NH₃

zoom 112-122

ILKHTGPGILSMANAGPNTNGSQF, MH+ 2426.7262, m/z 1213.8667
 DR7Ii_011210_run1.6911.6911.2.dta

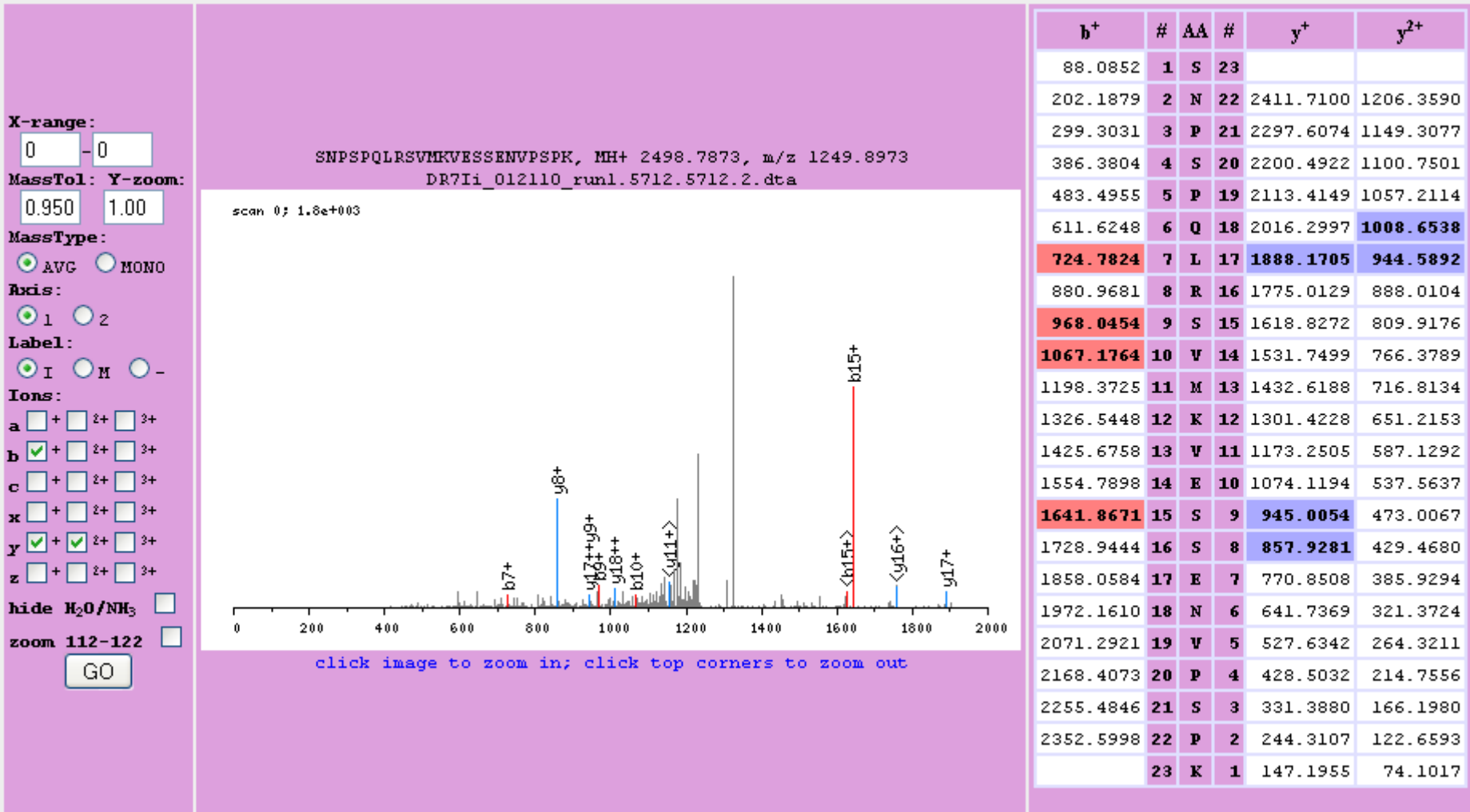
scan 0; 1.2e+003



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	I	24		
227.3232	2	L	23	2313.5686	1157.2883
355.4955	3	K	22	2200.4109	1100.7094
492.6348	4	H	21	2072.2386	1036.6233
593.7387	5	T	20	1935.0994	968.0537
650.7900	6	G	19	1833.9955	917.5017
747.9052	7	P	18	1776.9442	888.9761
804.9565	8	G	17	1679.8290	840.4185
918.1141	9	I	16	1622.7777	811.8928
1031.2718	10	L	15	1509.6200	755.3140
1118.3491	11	S	14	1396.4624	698.7352
1249.5451	12	M	13	1309.3851	655.1965
1320.6230	13	A	12	1178.1890	589.5985
1434.7257	14	N	11	1107.1111	554.0595
1505.8036	15	A	10	993.0085	497.0082
1562.8549	16	G	9	921.9306	461.4693
1659.9701	17	P	8	864.8793	432.9436
1774.0727	18	N	7	767.7641	384.3860
1875.1766	19	T	6	653.6614	327.3347
1989.2792	20	N	5	552.5576	276.7828
2046.3305	21	G	4	438.4549	219.7314
2133.4078	22	S	3	381.4036	191.2058
2261.5371	23	Q	2	294.3263	147.6671
	24	F	1	166.1971	83.6025

QSNPSPQLRSVMKVESSENVPSPKH



RLREKDKHIEEVRKN

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

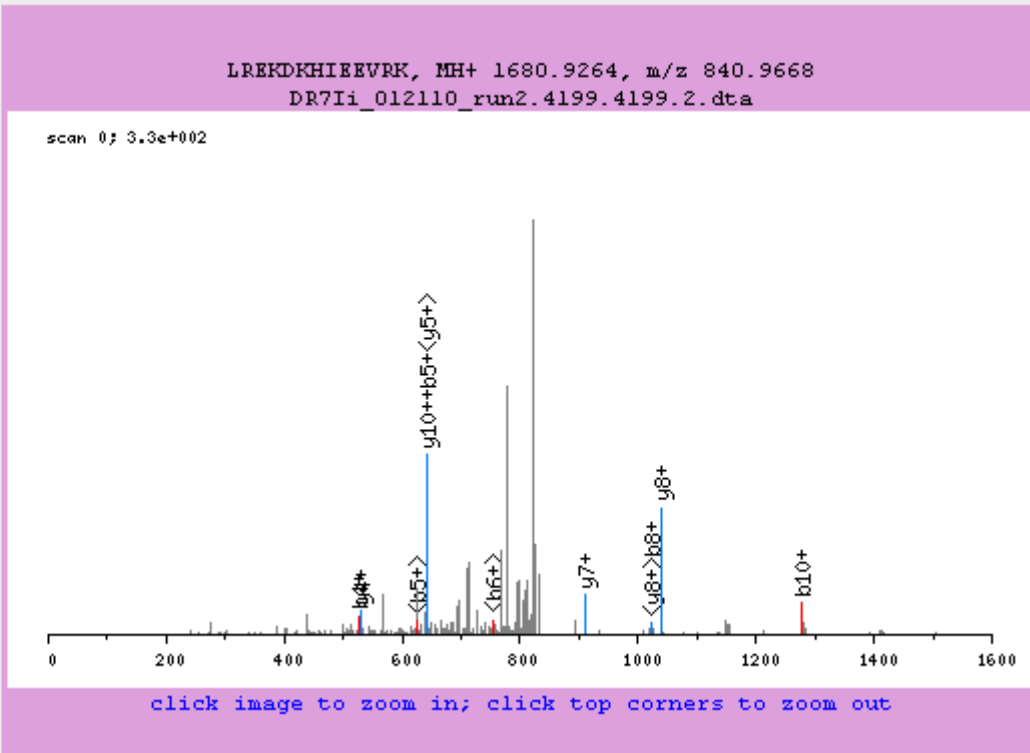
x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

hide H₂O/NH₃

zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
114.1656	1	L	13		
270.3513	2	R	12	1567.7687	784.3883
399.4652	3	E	11	1411.5831	706.2955
527.6375	4	K	10	1282.4691	641.7385
642.7249	5	D	9	1154.2968	577.6524
770.8972	6	K	8	1039.2094	520.1087
908.0365	7	H	7	911.0371	456.0225
1021.1941	8	I	6	773.8978	387.4529
1150.3081	9	E	5	660.7402	330.8741
1279.4221	10	E	4	531.6262	266.3171
1378.5531	11	V	3	402.5122	201.7601
1534.7388	12	R	2	303.3812	152.1946
	13	K	1	147.1955	74.1017

ELEEALANASDAELCDIAAILGMHTLM

X-range:

0 - 0

MassTol: Y-zoom:

0.950 1.00

MassType:

AVG MONO

Basis:

1 2

Label:

I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

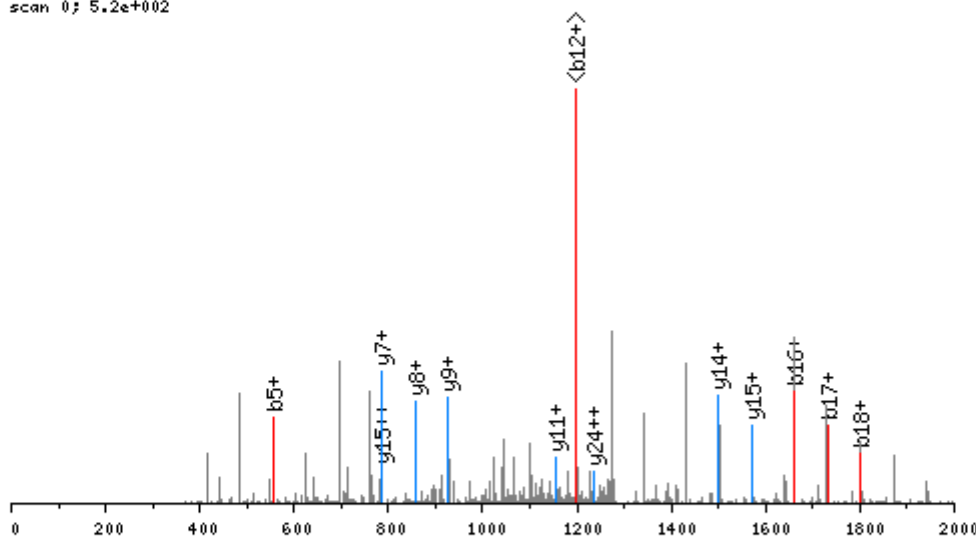
hide H₂O/NH₃

zoom 112-122

GO

ELEEALANASDAELCDIAAILGMHTL, MH+ 2585.9242, m/z 1293.4657
DR7CD80_012610_run1.6369.6369.2.dta

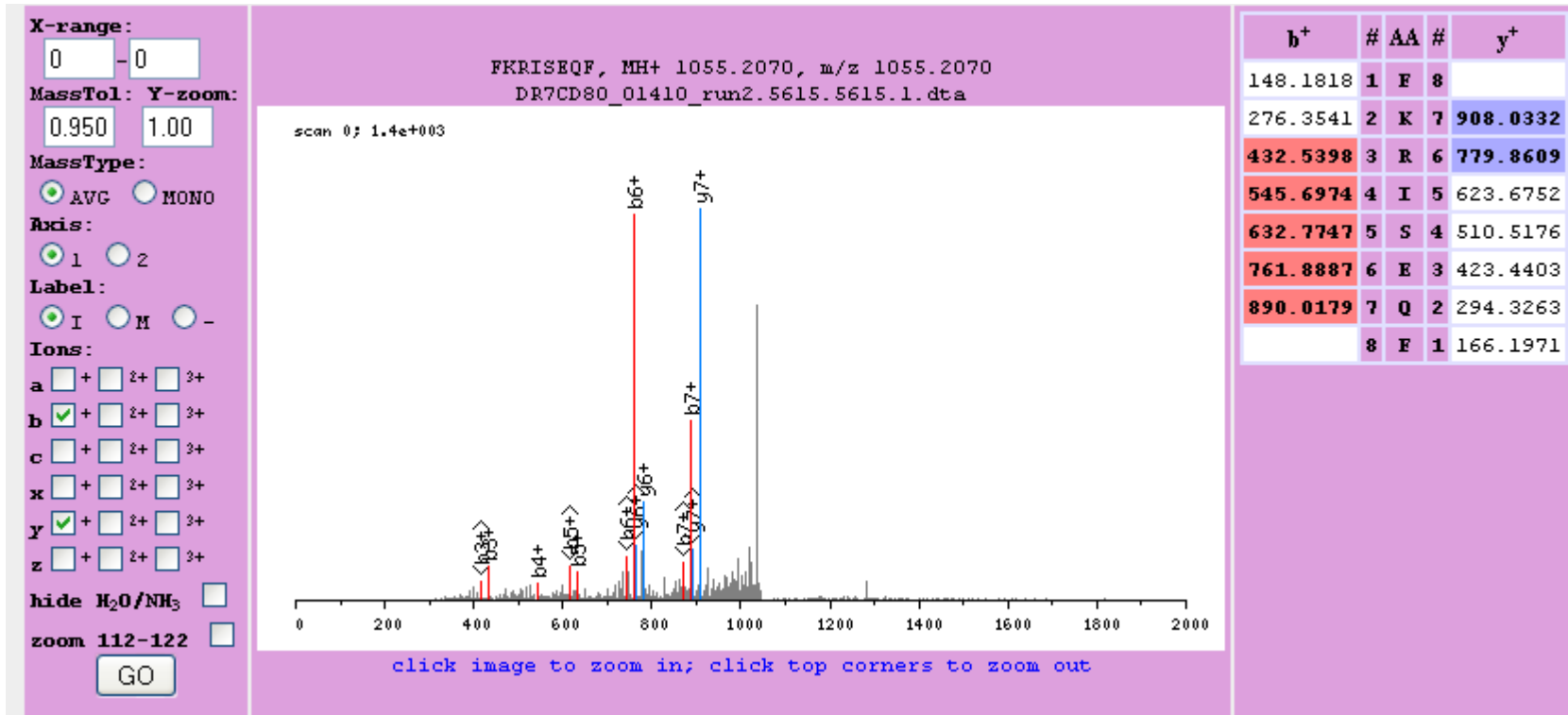
scan 0: 5.2e+002



click image to zoom in; click top corners to zoom out

b^+	#	AA	#	y^+	y^{2+}
114.1656	1	L	25		
243.2796	2	E	24	2472.7666	1236.8873
372.3935	3	E	23	2343.6526	1172.3303
443.4714	4	R	22	2214.5386	1107.7733
556.6291	5	L	21	2143.4607	1072.2343
627.7070	6	R	20	2030.3031	1015.6555
741.8096	7	N	19	1959.2252	980.1166
812.8875	8	R	18	1845.1225	923.0652
899.9648	9	S	17	1774.0446	887.5263
1015.0522	10	D	16	1686.9673	843.9876
1086.1301	11	R	15	1571.8799	786.4439
1215.2441	12	E	14	1500.8020	750.9050
1328.4017	13	L	13	1371.6881	686.3480
1431.5446	14	C	12	1258.5304	629.7692
1546.6320	15	D	11	1155.3875	578.1977
1659.7897	16	I	10	1040.3001	520.6540
1730.8676	17	R	9	927.1425	464.0752
1801.9455	18	R	8	856.0646	428.5363
1915.1031	19	I	7	784.9867	392.9973
2028.2608	20	L	6	671.8290	336.4185
2085.3121	21	G	5	558.6714	279.8397
2216.5081	22	M	4	501.6201	251.3140
2353.6474	23	H	3	370.4240	185.7160
2454.7513	24	T	2	233.2847	117.1463
	25	L	1	132.1809	66.5944

LFKRISQFT

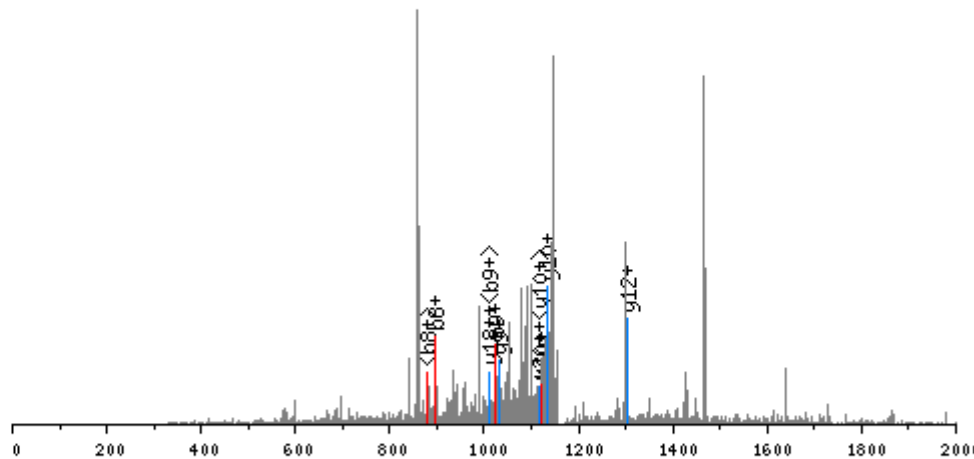


LPVISAENWKPATKTDQVIQSLI

X-range:
 -
MassTol:
MassType:
 AVG MONO
Axis:
 1 2
Label:
 I M -
Ions:
 a + 2+ 3+
 b + 2+ 3+
 c + 2+ 3+
 x + 2+ 3+
 y + 2+ 3+
 z + 2+ 3+
 hide H₂O/NH₃
 zoom

PVISAENWKPATKTDQVIQSL, MH+ 2326.6237, m/z 1163.8155
 DR7Ii_012110_run1.6971.6971.2.dta

scan 0; 8.3e+002



click image to zoom in; click top corners to zoom out

b ⁺	#	AA	#	y ⁺	y ²⁺
98.1231	1	P	21		
197.2542	2	V	20	2229.5085	1115.2582
310.4118	3	I	19	2130.3775	1065.6927
397.4891	4	S	18	2017.2198	1009.1139
468.5670	5	R	17	1930.1425	965.5752
597.6810	6	E	16	1859.0646	930.0363
711.7836	7	N	15	1729.9506	865.4793
897.9935	8	W	14	1615.8480	808.4280
1026.1658	9	K	13	1429.6381	715.3230
1123.2810	10	P	12	1301.4658	651.2369
1194.3589	11	R	11	1204.3506	602.6793
1295.4628	12	T	10	1133.2727	567.1403
1423.6351	13	K	9	1032.1689	516.5884
1524.7389	14	T	8	903.9966	452.5023
1639.8263	15	D	7	802.8927	401.9503
1767.9556	16	Q	6	687.8053	344.4066
1867.0866	17	V	5	559.6761	280.3420
1980.2443	18	I	4	460.5450	230.7765
2108.3735	19	Q	3	347.3874	174.1977
2195.4508	20	S	2	219.2582	110.1330
	21	L	1	132.1809	66.5944

QVINETSQHDDLE

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

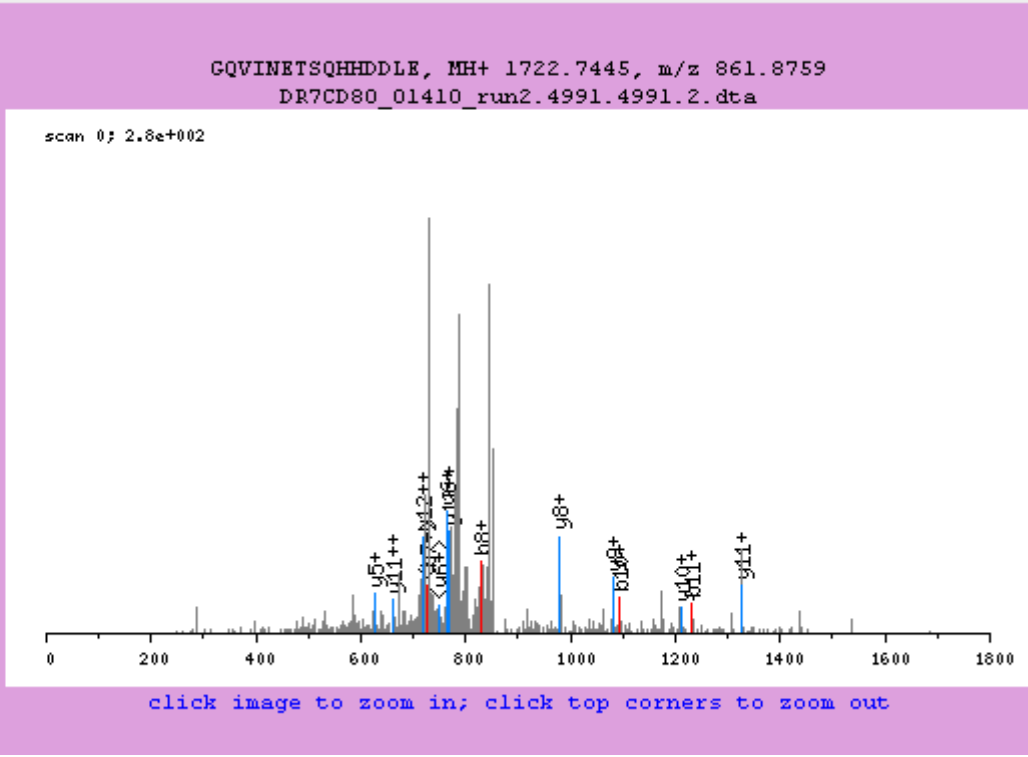
x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

hide H₂O/NH₃

zoom 112-122



b ⁺	#	AA	#	y ⁺	y ²⁺
58.0593	1	G	15		
186.1885	2	Q	14	1665.6931	833.3505
285.3195	3	V	13	1537.5639	769.2859
398.4772	4	I	12	1438.4329	719.7204
512.5798	5	N	11	1325.2752	663.1416
641.6938	6	E	10	1211.1726	606.0903
742.7977	7	T	9	1082.0586	541.5333
829.8750	8	S	8	980.9547	490.9813
958.0042	9	Q	7	893.8774	447.4427
1095.1435	10	H	6	765.7482	383.3781
1232.2828	11	H	5	628.6089	314.8084
1347.3702	12	D	4	491.4696	246.2388
1462.4576	13	D	3	376.3822	188.6951
1575.6152	14	L	2	261.2948	131.1514
	15	E	1	148.1372	74.5726

YKCSDCGKAFTTKSGLNVHQRK

X-range:
 -

MassTol: **Y-zoom:**

MassType:
 AVG MONO

Axis:
 1 2

Label:
 I M -

Ions:

a + 2+ 3+

b + 2+ 3+

c + 2+ 3+

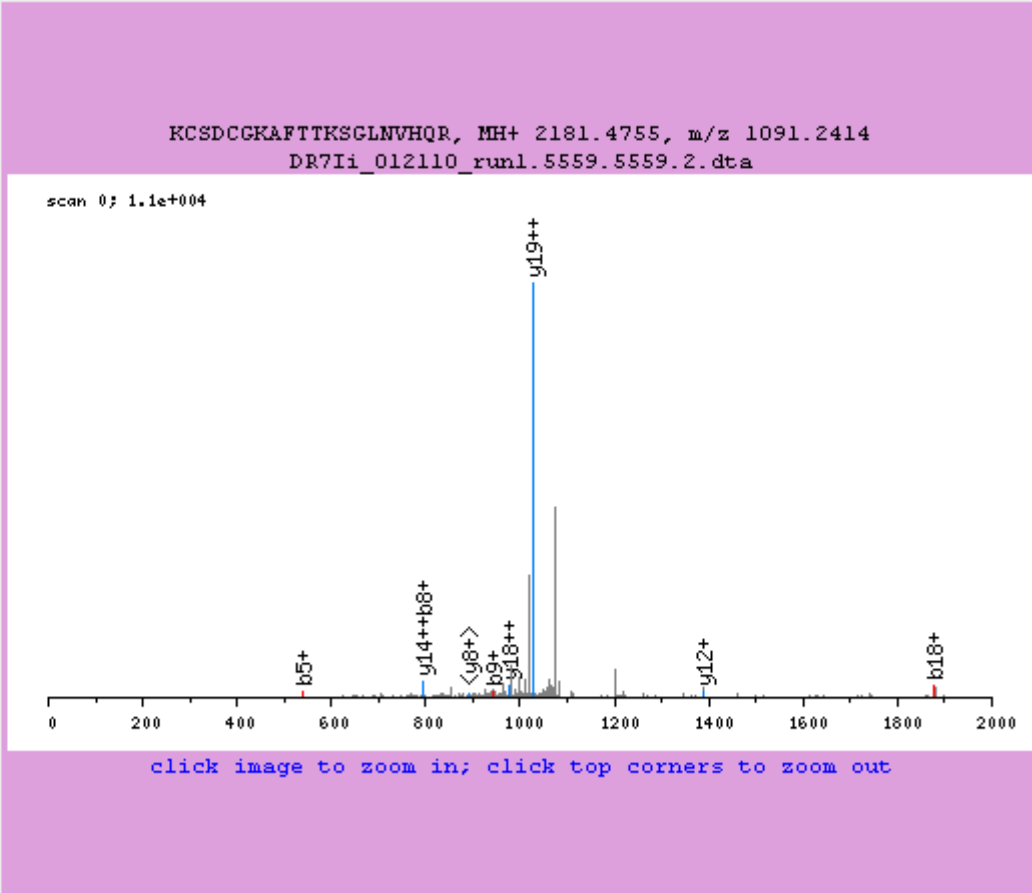
x + 2+ 3+

y + 2+ 3+

z + 2+ 3+

hide H₂O/NH₃

zoom



b ⁺	#	AA	#	y ⁺	y ²⁺
129.1802	1	K	20		
232.3231	2	C	19	2053.3033	1027.1556
319.4004	3	S	18	1950.1604	975.5841
434.4878	4	D	17	1863.0831	932.0455
537.6307	5	C	16	1747.9957	874.5018
594.6820	6	G	15	1644.8528	822.9303
722.8543	7	K	14	1587.8014	794.4047
793.9322	8	R	13	1459.6292	730.3185
941.1061	9	F	12	1388.5513	694.7796
1042.2100	10	T	11	1241.3774	621.1927
1143.3138	11	T	10	1140.2735	570.6407
1271.4861	12	K	9	1039.1696	520.0888
1358.5634	13	S	8	910.9974	456.0026
1415.6147	14	G	7	823.9201	412.4640
1528.7724	15	L	6	766.8687	383.9383
1642.8750	16	N	5	653.7111	327.3595
1742.0061	17	V	4	539.6085	270.3082
1879.1454	18	H	3	440.4774	220.7427
2007.2746	19	Q	2	303.3381	152.1730
	20	R	1	175.2089	88.1084