

Index of olfactory receptor spectra examples from the Kim *et al.* paper

Slide	Olfactory receptor	Peptide
3	OR10G4	DKVAHPQR
4	OR10K1	IPSSVGR
5	OR10K2	VNETVVR
6	OR11A1	FCGPNHIDQFYCDFMLFVGLACSDPR
7	OR13C8	IPSTEGK
8	OR13C8	KKVSFSGCMVQMFISFAMGATECMILGTMALDR
9	OR13G1	EMQAGIR
10	OR14I1	IYFLQK
11	OR14I1	NLSVLDLCYISVTVPK
12	OR1A1	MLANHLLGSKSISFSGGCLTQMYFMIALGNTDSYILAAMAYDR
13	OR1A2	FISFGGCLMQMYFMIALAKADSYTLAAMAYDR
14	OR1B1	IGAAILR
15	OR1J1	MLMNMQTQHLAVFYK
16	OR1K1	AMCAALVGMAWLVSHVHSLLYILLMAR
17	OR1L1	TISYSECLTQMYFFLAFGNTDSYLLAAMAIDR
18	OR1L4	LSFCASHIK
19	OR1L8	ILTTVLK
20	OR1M1	FVAICHPLHYAK
21	OR2A7	MMQTFLFSTFAVTECLLLVMSYDLYVAICHPLR
22	OR2M4	SISLAGCGTQIFFYVSLGAECFLAVMAYDR
23	OR2T11	LLADMVSK
24	OR2T33	LHTPMYFLLSQLSLMDMMLVSTTVPK
25	OR2T5	MANHTGKLDFFILMGLFR
26	OR2W3	EMPALIR
27	OR3A1	AVGIFNTVINPMLNPIIYSFR
28	OR4A15	HLSPTPSEEHMK
29	OR4A15	YMAICKPLHELITMNR
30	OR4C13	SPMYFFLAYLSFIDACYSSVNTPK
31	OR4D9	VLIDLLSETKTISFSGCVTQMFFFHLLGGADVFSLSVMAFDR
32	OR4E2	ALSTCSAHFMVVALFFGPCIFIYTRPDTSFSDIK

Index of olfactory receptor spectra examples from the Kim *et al.* paper

Slide	Olfactory receptor	Peptide
33	OR4F6	TISFGGCVVQIFFIHAVGGTEMVLLIAMAFDRYVAICKPLHYLTIMNPQR
34	OR4N4	VISYRGKITQLFFLHFLGGEGLLLVMAFDRIAICRPLHCSTVMNPR
35	OR4P4	YVAICKPLHYTIIMSR
36	OR4X2	LISDLLAERK
37	OR51A4	SMLLVLPFPFTLR
38	OR51E1	TVLGLTR
39	OR51E2	DLQAVGGK
40	OR51F1	AMLSLLTK
41	OR52A5	TTVISHSYCEHMAIVK
42	OR52B2	EGVAHR
43	OR56A3	AAMFILTR
44	OR5C1	NSENLTRAAVAPAEFVLLGITNRWDLR
45	OR5I1	YCDKNVINHFFCDLPPLK
46	OR5K1	MLENFFSENK
47	OR5K4	AGNLHSMIHVGLLLR
48	OR5K4	MTTGAFKAGNLHSMIHVGLLLR
49	OR5M10	TISYAGCFTQCLLFIALVITEFYFLASMALDR
50	OR5T2	SYSIYKSTVNIPLSHGVVHSFCHNMNCNFMHIFK
51	OR6C1	LQTPMYFFLR
52	OR6C75	KKAFSTCSSHMIVVSISYSSCIFMYIK
53	OR6F1	DALDLIK
54	OR6N2	IIGAVLK
55	OR6N2	TISFAGCLLQTYFFHSLGASECYLLTAMAYDR
56	OR6P1	AMYTFNHNKIISVLYTIIVPFFNPAIYCLR
57	OR7A17	FVAICHPLHYTVIMNPR
58	OR7C2	TSLAASVMYTMVTPMLNPFYSLRNKDMK
59	OR8K1	SSHTLAIDK
60	OR9A2	SNSLDHFYCDRGQLLK
61	OR9I1	NNLTRVTEFILMGFMDHPK
62	OR5K2	VEENHTMKNEFILTGFTHPELK
63	OR5K4	MLENFFSEDR

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

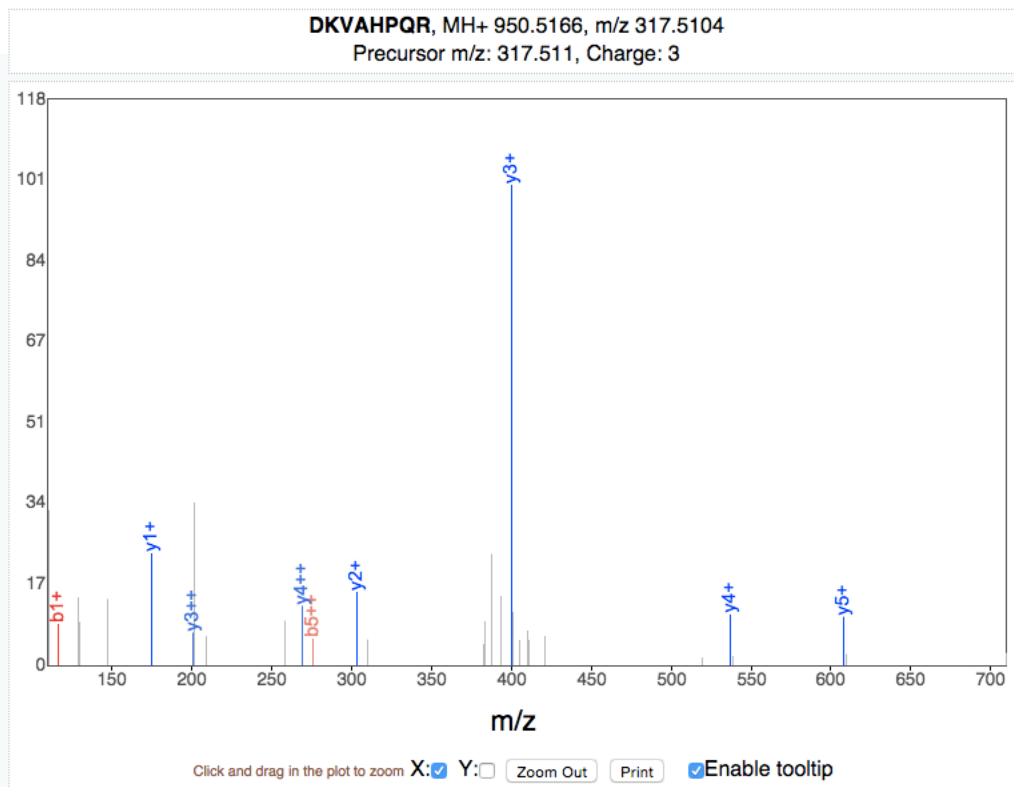
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	b2+	Seq	y+	y2+
116.0342	58.5207	1 D 8		
244.1292	122.5682	2 K 7	835.4897	418.2485
343.1976	172.1024	3 V 6	707.3947	354.2010
414.2347	207.6210	4 A 5	608.3263	304.6668
551.2936	276.1504	5 H 4	537.2892	269.1482
648.3464	324.6768	6 P 3	400.2303	200.6188
776.4050	388.7061	7 Q 2	303.1775	152.0924
		8 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
DKVAHPQR.3.y3.1	331.514	3	400.23	100
DKVAHPQR.3.y1.1	331.514	3	175.119	23
DKVAHPQR.3.y2.1	331.514	3	303.178	15
DKVAHPQR.3.y4.2	331.514	3	269.148	12
DKVAHPQR.3.y4.1	331.514	3	537.289	10
DKVAHPQR.3.y5.1	331.514	3	608.326	10
DKVAHPQR.3.y3.2	331.514	3	200.619	6

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

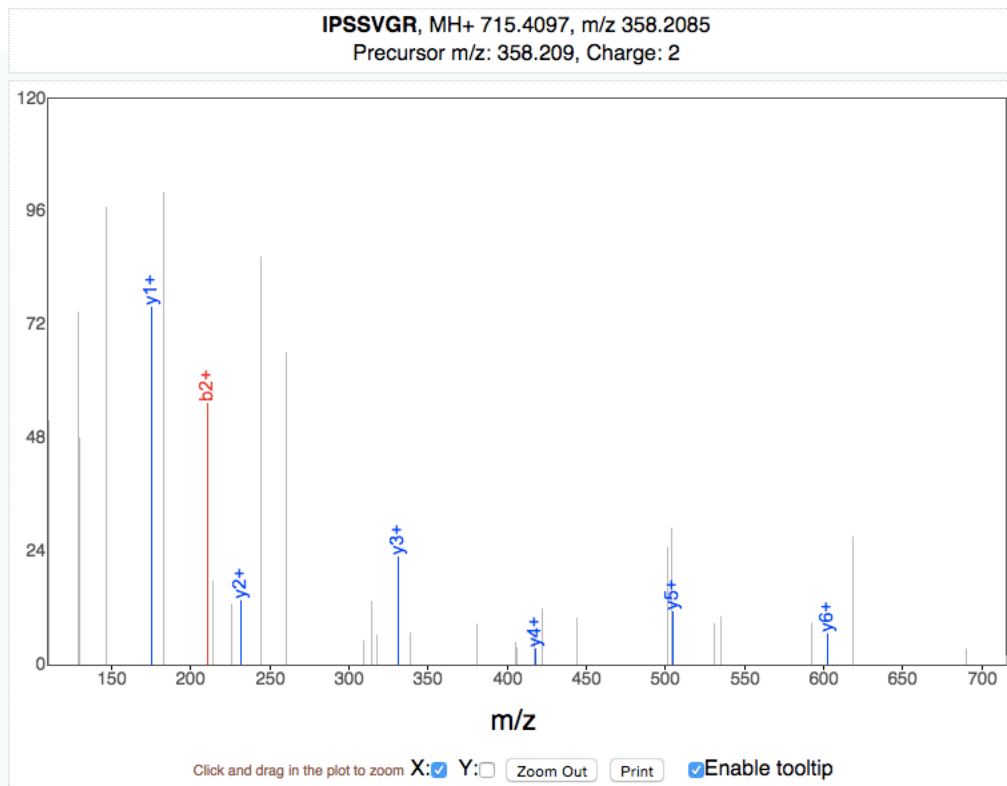
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



	b+	Seq	y+
114.0913	1	I	7
211.1441	2	P	6
298.1761	3	S	5
385.2082	4	S	4
484.2766	5	V	3
541.2980	6	G	2
	7	R	1

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
IPSSVGR.2.y1.1	379.214	2	175.119	100
IPSSVGR.2.y3.1	379.214	2	331.209	30
IPSSVGR.2.b4.2	379.214	2	214.113	23
IPSSVGR.2.y2.1	379.214	2	232.14	17
IPSSVGR.2.y5.1	379.214	2	505.273	14
IPSSVGR.2.y6.1	379.214	2	602.326	8
IPSSVGR.2.y4.1	379.214	2	418.241	4

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

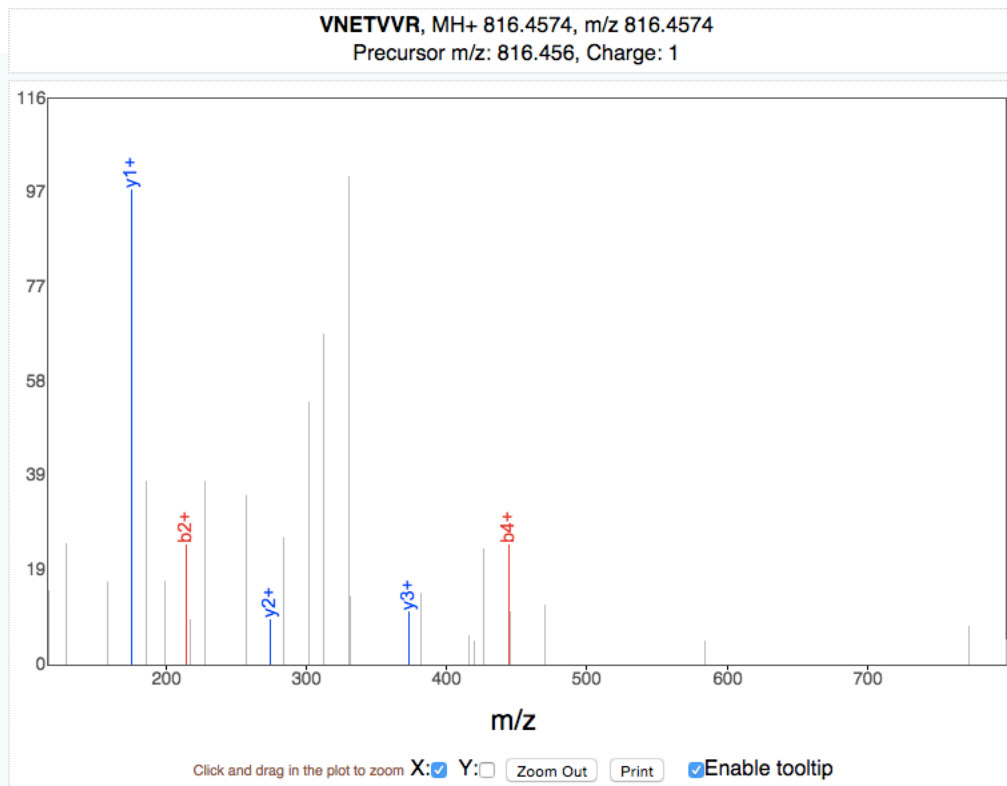
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



	b+	Seq	y+
100.0757	1	V	7
214.1186	2	N	6
343.1612	3	E	5
444.2089	4	T	4
543.2773	5	V	3
642.3457	6	V	2
	7	R	1

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
VNETVVR.1.y1.1	858.468	1	175.119	100
VNETVVR.1.y5.2	858.468	1	302.177	55
VNETVVR.1.y3.1	858.468	1	373.256	11
VNETVVR.1.y2.1	858.468	1	274.187	9

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

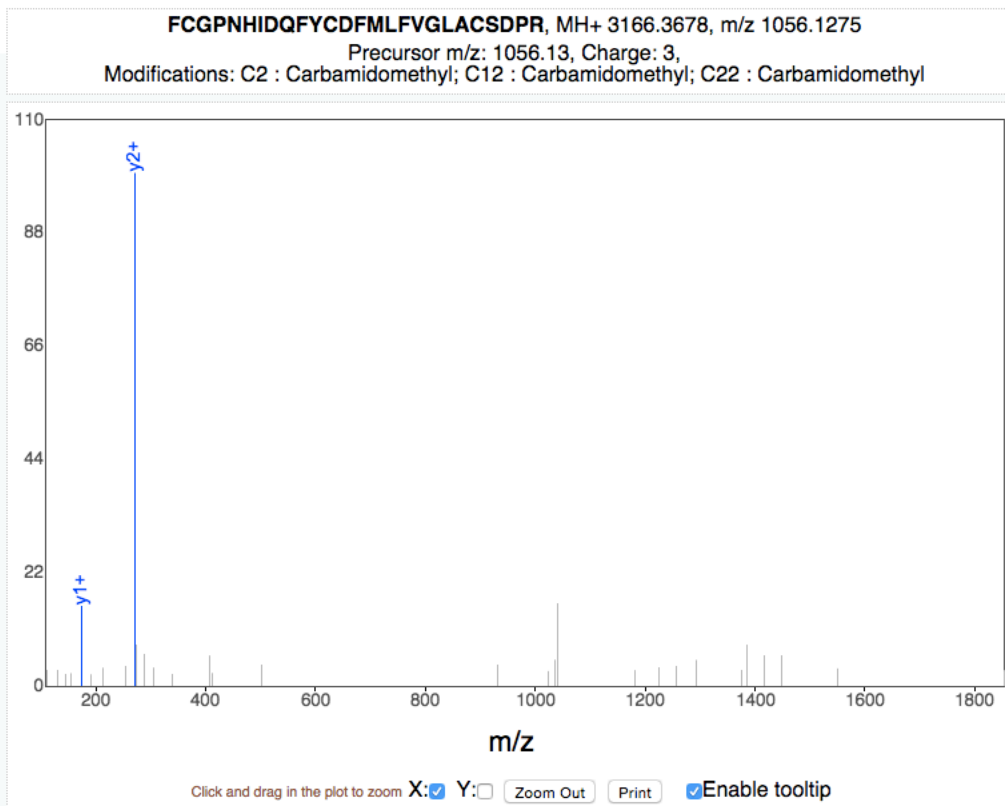
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	b2+	Seq	y+	y2+
148.0757	74.5415	1 F 26		
308.1063	154.5568	2 C 25	3019.2994	1510.1533
365.1278	183.0675	3 G 24	2859.2688	1430.1380
462.1806	231.5939	4 P 23	2802.2473	1401.6273
576.2235	288.6154	5 N 22	2705.1945	1353.1009
713.2824	357.1448	6 H 21	2591.1516	1296.0794
826.3665	413.6869	7 I 20	2454.0927	1227.5500
941.3934	471.2003	8 D 19	2341.0086	1171.0079
1069.4520	535.2296	9 Q 18	2225.9817	1113.4945
1216.5204	608.7638	10 F 17	2097.9231	1049.4652
1379.5837	690.2955	11 Y 16	1950.8547	975.9310
1539.6144	770.3108	12 C 15	1787.7914	894.3993
1654.6413	827.8243	13 D 14	1627.7607	814.3840
1801.7097	901.3585	14 F 13	1512.7338	756.8705
1932.7502	966.8787	15 M 12	1365.6654	683.3363
2045.8343	1023.4208	16 L 11	1234.6249	617.8161
2192.9027	1096.9550	17 F 10	1121.5408	561.2740
2291.9711	1146.4892	18 V 9	974.4724	487.7398
2348.9926	1174.9999	19 G 8	875.4040	438.2056
2462.0766	1231.5420	20 L 7	818.3825	409.6949
2533.1138	1267.0605	21 A 6	705.2984	353.1529
2693.1444	1347.0758	22 C 5	634.2613	317.6343
2780.1764	1390.5919	23 S 4	474.2307	237.6190
2895.2034	1448.1053	24 D 3	387.1987	194.1030
2992.2561	1496.6317	25 P 2	272.1717	136.5895
		26 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
FcGPNHIDQFYcDFMLFVGLAcSDPR.3.y2.1	1056.13	3	272.172	100
FcGPNHIDQFYcDFMLFVGLAcSDPR.3.y1.1	1056.13	3	175.119	15

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

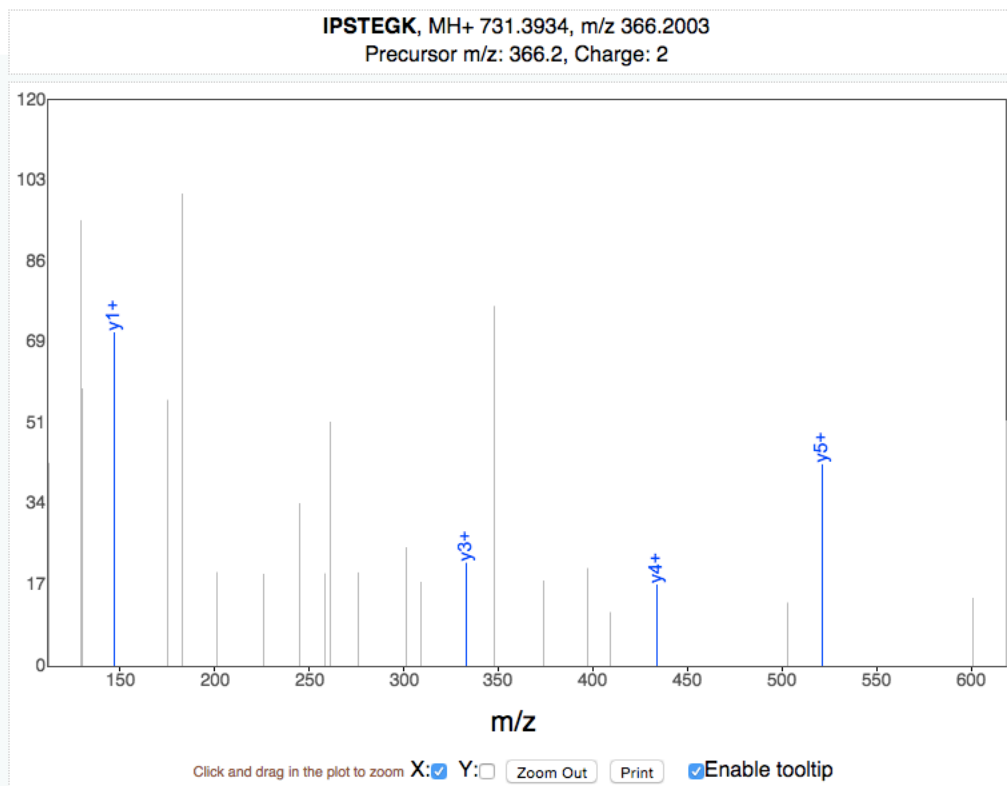
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



	b+	Seq	y+
114.0913	1	I	7
211.1441	2	P	6 618.3093
298.1761	3	S	5 521.2566
399.2238	4	T	4 434.2245
528.2664	5	E	3 333.1769
585.2879	6	G	2 204.1343
	7	K	1 147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
IPSTEGK.2.y1.1	387.206	2	147.113	100
IPSTEGK.2.y6.1	387.206	2	618.309	73
IPSTEGK.2.y5.2	387.206	2	261.132	73
IPSTEGK.2.y5.1	387.206	2	521.257	60
IPSTEGK.2.y3.1	387.206	2	333.177	30
IPSTEGK.2.y4.1	387.206	2	434.225	24

MS/MS spectrum

Ions:

- 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

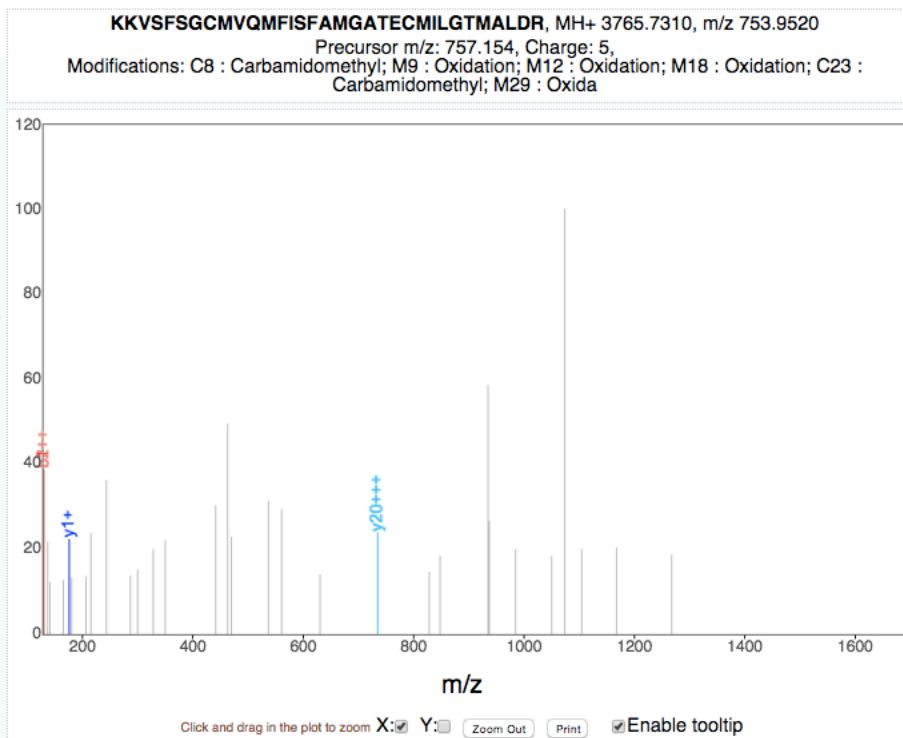
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
129.1022	65.0548	43.7056	1 K 33			
257.1972	129.1022	86.4039	2 K 32	3637.6360	1819.3216	1213.2168
356.2656	178.6364	119.4267	3 V 31	3509.5410	1755.2742	1170.5185
443.2976	222.1525	148.4374	4 S 30	3410.4726	1705.7399	1137.4957
590.3661	295.6867	197.4602	5 F 29	3323.4406	1662.2239	1108.4850
677.3981	339.2027	226.4709	6 S 28	3176.3722	1588.6897	1059.4622
734.4196	367.7134	245.4780	7 G 27	3089.3401	1545.1737	1030.4516
894.4502	447.7287	298.8216	8 C 26	3032.3187	1516.6630	1011.4444
1041.4856	521.2464	347.8334	9 M 25	2872.2880	1436.6477	958.1009
1140.5540	570.7806	380.8562	10 V 24	2725.2526	1363.1300	909.0891
1268.6126	634.8099	423.5424	11 Q 23	2626.1842	1313.5957	876.0663
1415.6480	708.3276	472.5542	12 M 22	2498.1256	1249.5665	833.3801
1562.7164	781.8618	521.5770	13 F 21	2351.0902	1176.0488	784.3683
1675.8005	838.4039	559.2717	14 I 20	2204.0218	1102.5146	735.3455
1762.8325	881.9199	588.2823	15 S 19	2090.9378	1045.9725	697.6508
1909.9009	955.4541	637.3052	16 F 18	2003.9057	1002.4565	668.6401
1980.9380	990.9727	660.9842	17 A 17	1856.8373	928.9223	619.6173
2127.9734	1064.4903	709.9960	18 M 16	1785.8002	893.4037	595.9383
2184.9949	1093.0011	729.0031	19 G 15	1638.7648	819.8860	546.9265
2256.0320	1128.5196	752.6822	20 A 14	1581.7433	791.3753	527.9193
2357.0797	1179.0435	786.3647	21 T 13	1510.7062	755.8568	504.2403
2486.1223	1243.5648	829.3789	22 E 12	1409.6586	705.3329	470.5577
2646.1529	1323.5801	882.7225	23 C 11	1280.6160	640.8116	427.5435
2777.1934	1389.1003	926.4027	24 M 10	1120.5853	560.7963	374.2000
2890.2775	1445.6424	964.0973	25 I 9	989.5448	495.2761	330.5198
3003.3615	1502.1844	1001.7920	26 L 8	876.4608	438.7340	292.8251
3060.3830	1530.6951	1020.7992	27 G 7	763.3767	382.1920	255.1304
3161.4307	1581.2190	1054.4817	28 T 6	706.3552	353.6813	236.1233
3292.4712	1646.7392	1098.1619	29 M 5	605.3076	303.1574	202.4407
3363.5083	1682.2578	1121.8409	30 A 4	474.2671	237.6372	158.7605
3476.5923	1738.7998	1159.5356	31 L 3	403.2300	202.1186	135.0815
3591.6193	1796.3133	1197.8779	32 D 2	290.1459	145.5766	97.3868
			33 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
KKVSFSGcmVQmFISFAMGATEcMILGTmALDR.5.b8.1	762.354	5	936.461	100
KKVSFSGcmVQmFISFAMGATEcMILGTmALDR.5.y1.1	762.354	5	175.119	84
KKVSFSGcmVQmFISFAMGATEcMILGTmALDR.5.b2.1	762.354	5	299.208	57

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

[Update](#)

Peak Assignment:

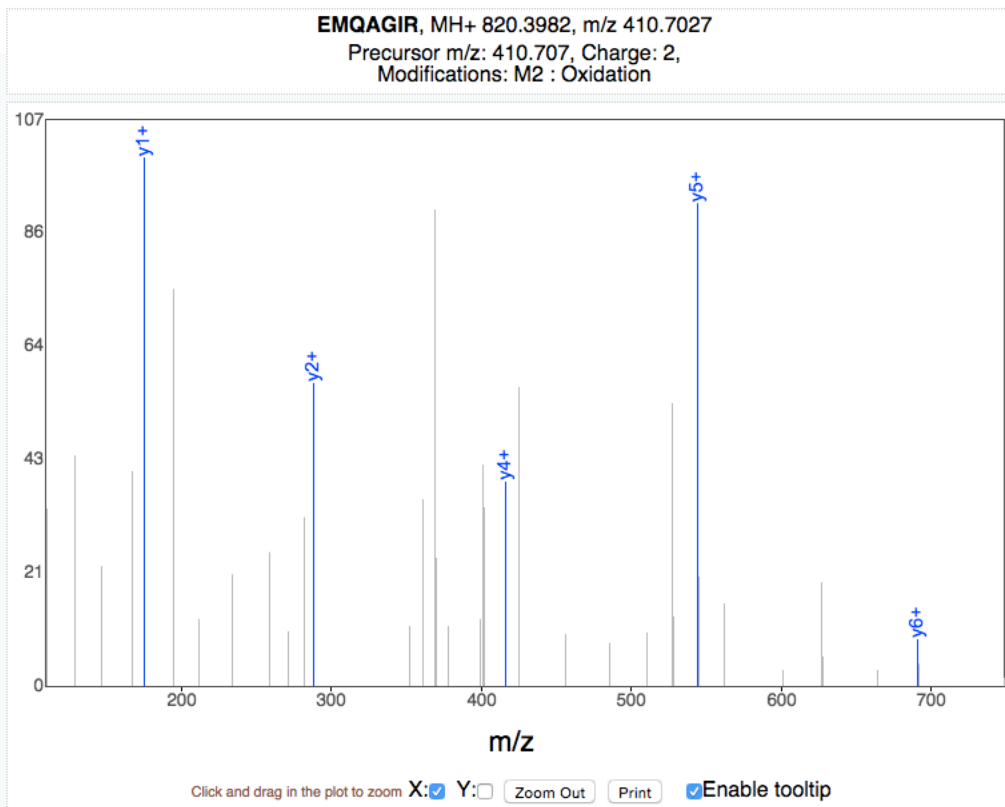
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
130.0499	1 E 7	
277.0853	2 M 6	691.3556
405.1438	3 Q 5	544.3202
476.1810	4 A 4	416.2616
533.2024	5 G 3	345.2245
646.2865	6 I 2	288.2030
	7 R 1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
EmQAGIR.2.y1.1	410.703	2	175.119	100
EmQAGIR.2.y5.1	410.703	2	544.32	91
EmQAGIR.2.y2.1	410.703	2	288.203	57
EmQAGIR.2.y4.1	410.703	2	416.262	38
EmQAGIR.2.b7.2	410.703	2	401.697	33
EmQAGIR.2.y6.1	410.703	2	691.356	8

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

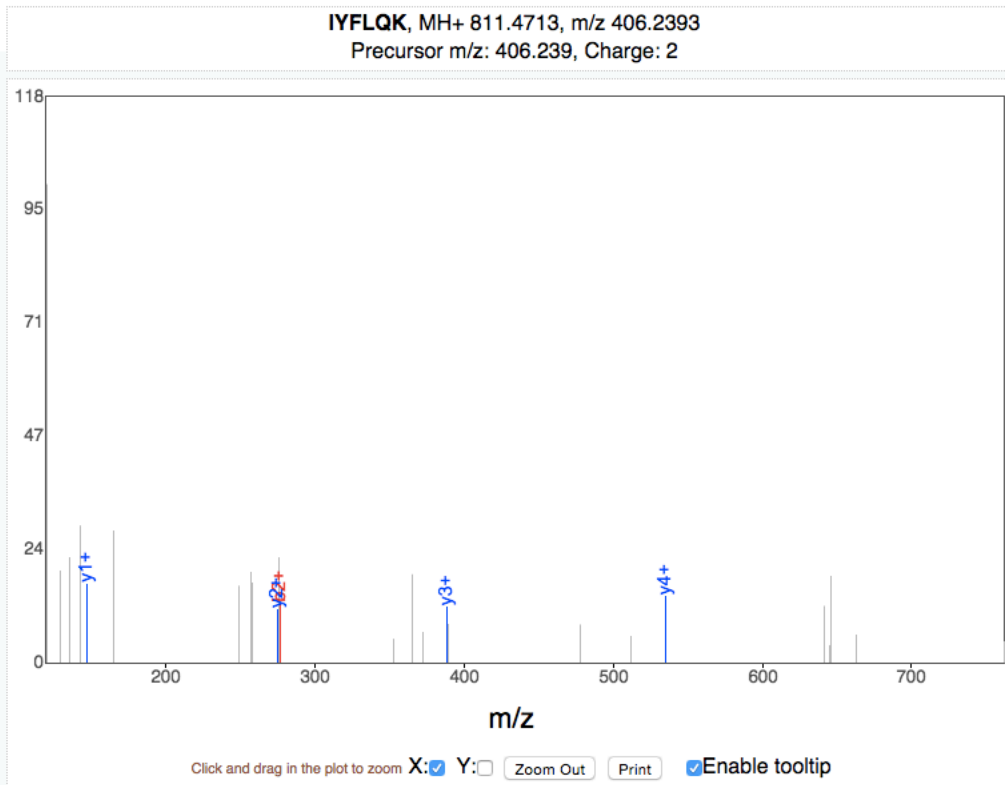
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
114.0913	1	I 6
277.1547	2	Y 5 698.3872
424.2231	3	F 4 535.3239
537.3071	4	L 3 388.2554
665.3657	5	Q 2 275.1714
6	K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
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MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

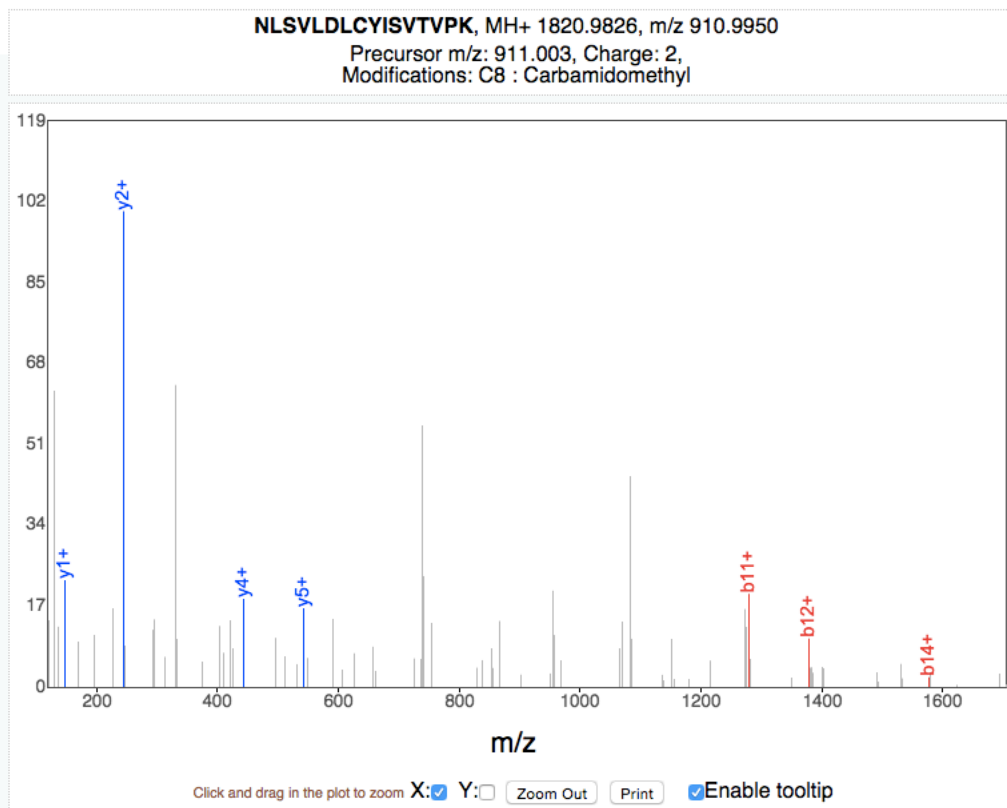
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
115.0502	1 N 16	
228.1343	2 L 15 1706.9397	
315.1663	3 S 14 1593.8557	
414.2347	4 V 13 1506.8236	
527.3188	5 L 12 1407.7552	
642.3457	6 D 11 1294.6712	
755.4298	7 L 10 1179.6442	
915.4604	8 C 9 1066.5601	
1078.5238	9 Y 8 906.5295	
1191.6078	10 I 7 743.4662	
1278.6399	11 S 6 630.3821	
1377.7083	12 V 5 543.3501	
1478.7559	13 T 4 444.2817	
1577.8244	14 V 3 343.2340	
1674.8771	15 P 2 244.1656	
	16 K 1 147.1128	

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
NLSVLDLcYISVTPK.2.y2.1	910.995	2	244.166	100
NLSVLDLcYISVTPK.2.y1.1	910.995	2	147.113	22
NLSVLDLcYISVTPK.2.b11.1	910.995	2	1278.64	19
NLSVLDLcYISVTPK.2.y4.1	910.995	2	444.282	18
NLSVLDLcYISVTPK.2.y5.1	910.995	2	543.35	16
NLSVLDLcYISVTPK.2.y10.2	910.995	2	590.326	14
NLSVLDLcYISVTPK.2.b12.1	910.995	2	1377.71	10

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

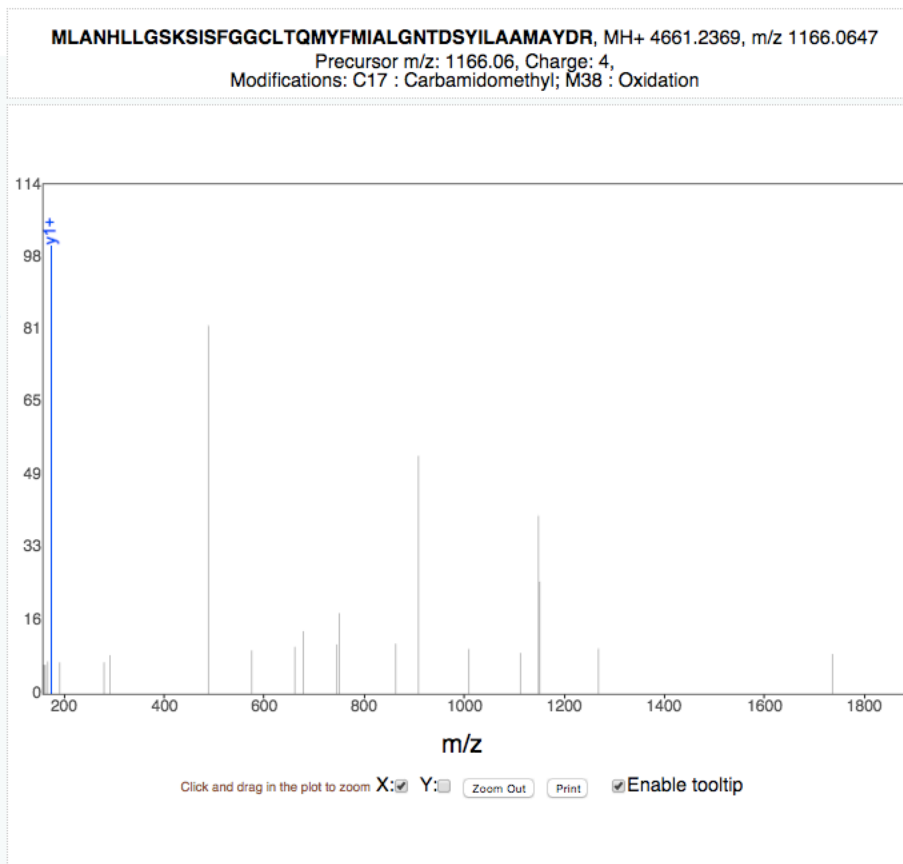
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



MS/MS spectrum

- 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+

Neutral Loss:

- H₂O (o)
- NH₃ (*)

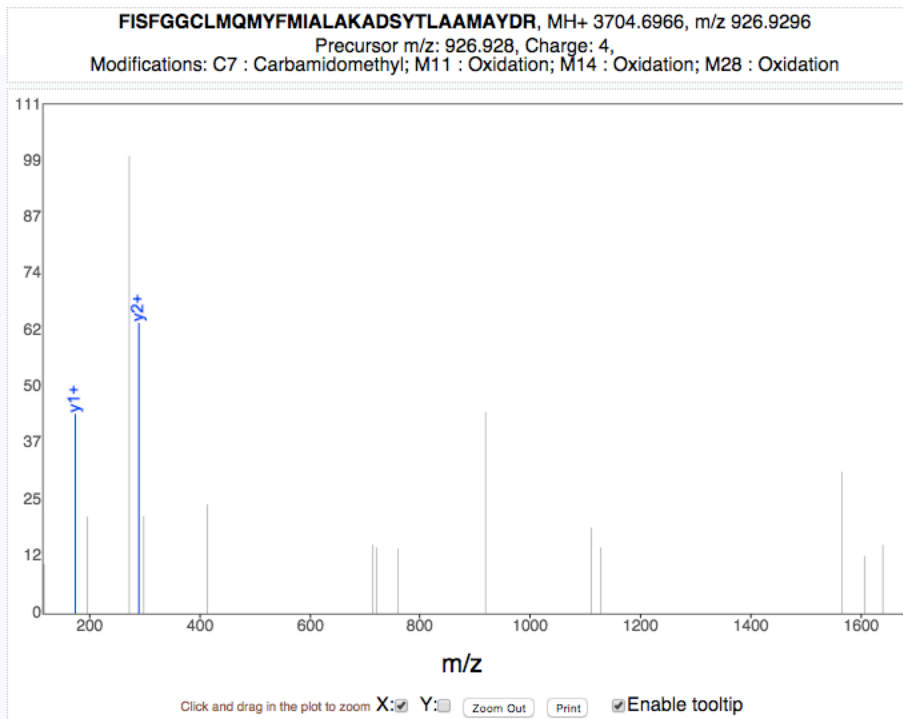
Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

Peak Assignment:

- Most Intense
 - Nearest Match
- Peak Labels:**
- Ion m/z
 - None



b+	b2+	b3+	Seq	y+	y2+	y3+
148.0757	74.5415	50.0301	1 F 32			
261.1598	131.0835	87.7248	2 I 31	3557.6282	1779.3177	1186.5476
348.1918	174.5995	116.7354	3 S 30	3444.5441	1722.7757	1148.8529
495.2602	248.1337	165.7582	4 F 29	3357.5121	1679.2597	1119.8422
552.2817	276.6445	184.7654	5 G 28	3210.4437	1605.7255	1070.8194
609.3031	305.1552	203.7726	6 G 27	3153.4222	1577.2147	1051.8123
769.3338	385.1705	257.1161	7 C 26	3096.4008	1548.7040	1032.8051
882.4178	441.7126	294.8108	8 L 25	2936.3701	1468.6887	979.4616
1013.4583	507.2328	338.4910	9 M 24	2823.2860	1412.1467	941.7669
1141.5169	571.2621	381.1772	10 Q 23	2692.2456	1346.6264	898.0867
1288.5523	644.7798	430.1890	11 M 22	2564.1870	1282.5971	855.4005
1451.6156	726.3115	484.5434	12 Y 21	2417.1516	1209.0794	806.3887
1598.6840	799.8457	533.5662	13 F 20	2254.0883	1127.5478	752.0343
1745.7194	873.3634	582.5780	14 M 19	2107.0198	1054.0136	703.0115
1858.8035	929.9054	620.2727	15 I 18	1959.9844	980.4959	653.9997
1929.8406	965.4239	643.9517	16 A 17	1846.9004	923.9538	616.3050
2042.9247	1021.9660	681.6464	17 L 16	1775.8633	888.4353	592.6259
2113.9618	1057.4845	705.3254	18 A 15	1662.7792	831.8932	554.9312
2242.0568	1121.5320	748.0238	19 K 14	1591.7421	796.3747	531.2522
2313.0939	1157.0506	771.7028	20 A 13	1463.6471	732.3272	488.5539
2428.1208	1214.5640	810.0451	21 D 12	1392.6100	696.8086	464.8749
2515.1528	1258.0801	839.0558	22 S 11	1277.5831	639.2952	426.5325
2678.2162	1339.6117	893.4102	23 Y 10	1190.5510	595.7792	397.5219
2779.2639	1390.1356	927.0928	24 T 9	1027.4877	514.2475	343.1674
2892.3479	1446.6776	964.7875	25 L 8	926.4400	463.7237	309.4849
2963.3850	1482.1962	988.4665	26 A 7	813.3560	407.1816	271.7902
3034.4221	1517.7147	1012.1456	27 A 6	742.3189	371.6631	248.1111
3181.4575	1591.2324	1061.1574	28 M 5	671.2817	336.1445	224.4321
3252.4947	1626.7510	1084.8364	29 A 4	524.2463	262.6268	175.4203
3415.5580	1708.2826	1139.1908	30 Y 3	453.2092	227.1082	151.7413
3530.5849	1765.7961	1177.5332	31 D 2	290.1459	145.5766	97.3868
			32 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
FISFGGcLMQmYFmIALAKADSYTLAAmAYDR.4.y2.1	926.93	4	290.146	100
FISFGGcLMQmYFmIALAKADSYTLAAmAYDR.4.y1.1	926.93	4	175.119	68

MS/MS spectrum

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⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

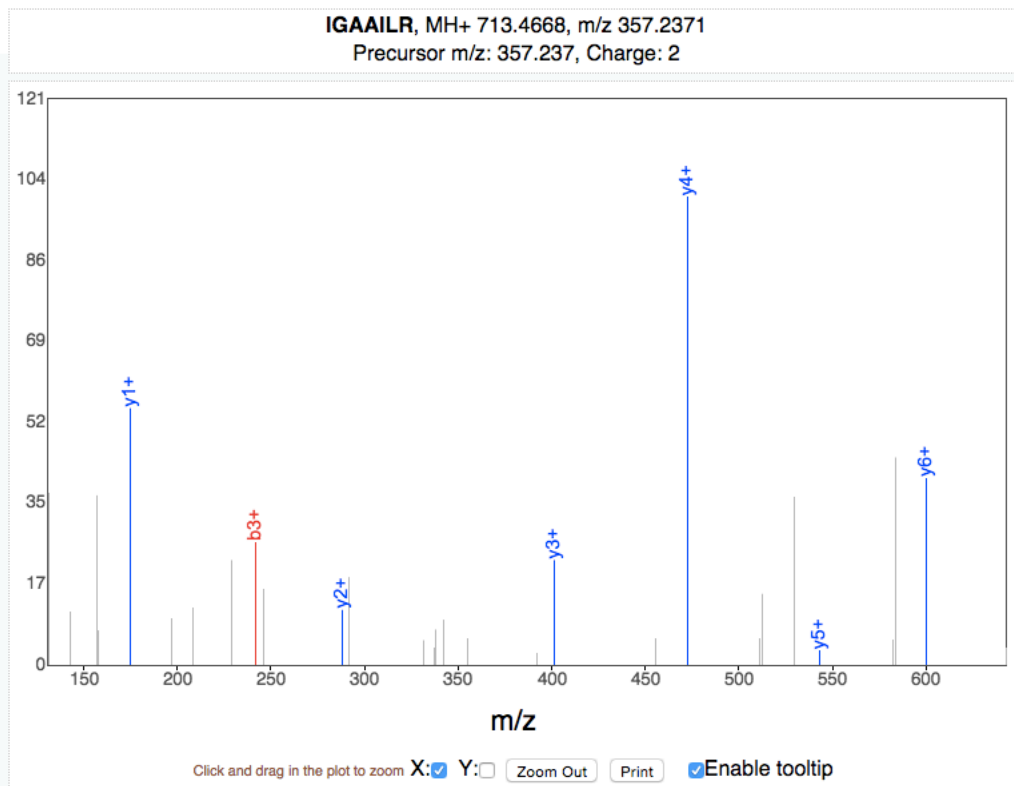
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



	b+	Seq	y+
114.0913	1	I	7
171.1128	2	G	6
242.1499	3	A	5
313.1870	4	A	4
426.2711	5	I	3
539.3552	6	L	2
	7	R	1

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
IGAILR.2.y4.1	378.242	2	472.324	100
IGAILR.2.y1.1	378.242	2	175.119	54
IGAILR.2.y6.1	378.242	2	600.383	39
IGAILR.2.y3.1	378.242	2	401.287	22
IGAILR.2.y2.1	378.242	2	288.203	11
IGAILR.2.b4.1	378.242	2	355.198	5
IGAILR.2.y5.1	378.242	2	543.361	2

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

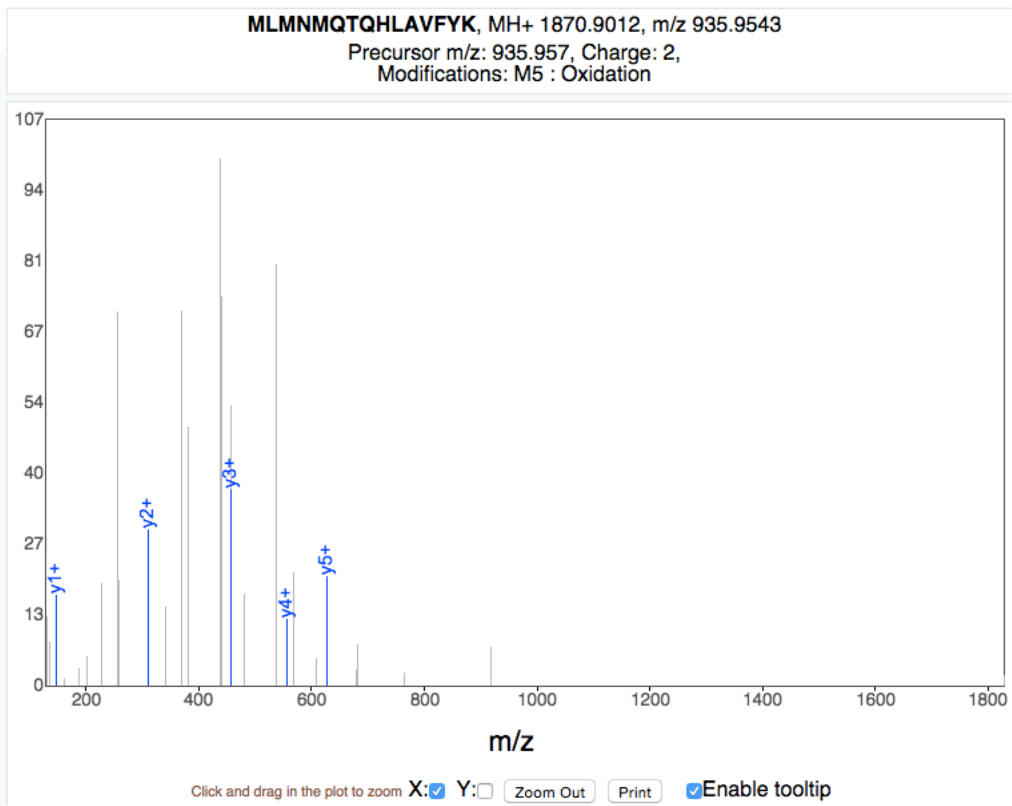
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
132.0478	1 M 15	
245.1318	2 L 14 1739.8608	
376.1723	3 M 13 1626.7767	
490.2152	4 N 12 1495.7362	
637.2506	5 M 11 1381.6933	
765.3092	6 Q 10 1234.6579	
866.3569	7 T 9 1106.5993	
994.4155	8 Q 8 1005.5516	
1131.4744	9 H 7 877.4930	
1244.5584	10 L 6 740.4341	
1315.5956	11 A 5 627.3501	
1414.6640	12 V 4 556.3130	
1561.7324	13 F 3 457.2445	
1724.7957	14 Y 2 310.1761	
	15 K 1 147.1128	

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
MLMNMQTQHLAVFYK.2.y7.2	935.954	2	439.25	100
MLMNMQTQHLAVFYK.2.y3.1	935.954	2	457.245	50
MLMNMQTQHLAVFYK.2.y2.1	935.954	2	310.176	40
MLMNMQTQHLAVFYK.2.y5.1	935.954	2	627.35	28
MLMNMQTQHLAVFYK.2.y1.1	935.954	2	147.113	23
MLMNMQTQHLAVFYK.2.y4.1	935.954	2	556.313	16

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

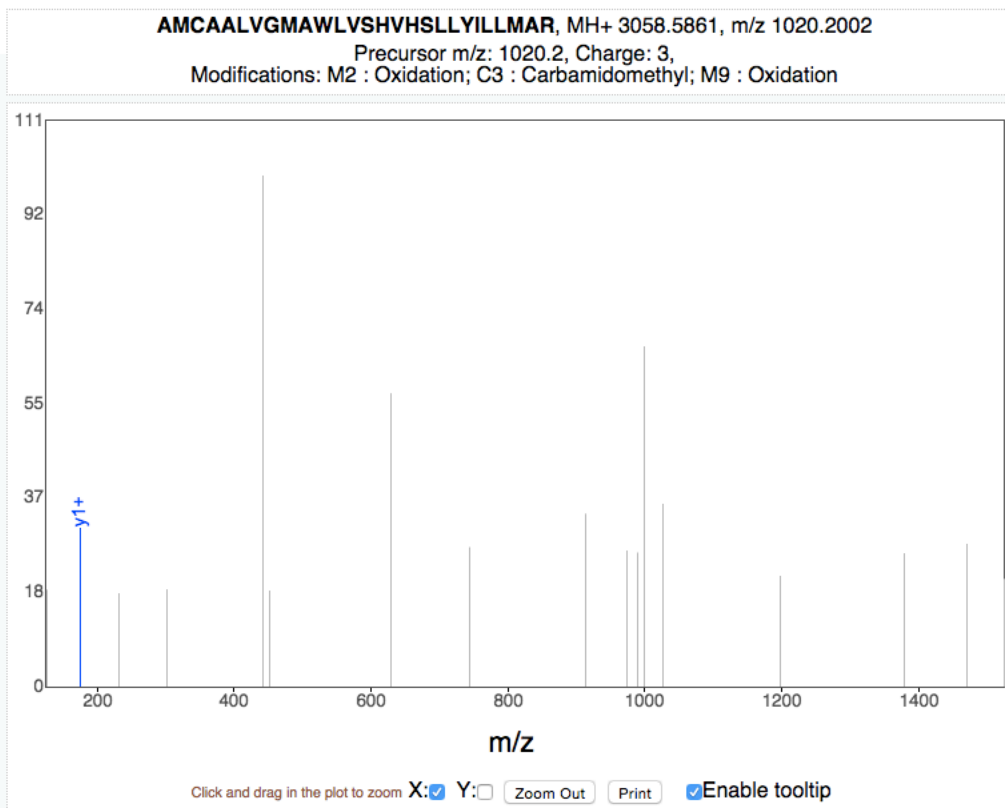
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



b+	b2+	Seq	y+	y2+
72.0444	36.5258	1 A 27		
219.0798	110.0435	2 M 26	2987.5490	1494.2781
379.1104	190.0589	3 C 25	2840.5136	1420.7604
450.1476	225.5774	4 A 24	2680.4830	1340.7451
521.1847	261.0960	5 A 23	2609.4459	1305.2266
634.2687	317.6380	6 L 22	2538.4087	1269.7080
733.3371	367.1722	7 V 21	2425.3247	1213.1660
790.3586	395.6829	8 G 20	2326.2563	1163.6318
937.3940	469.2006	9 M 19	2269.2348	1135.1210
1008.4311	504.7192	10 A 18	2122.1994	1061.6033
1194.5104	597.7589	11 W 17	2051.1623	1026.0848
1307.5945	654.3009	12 L 16	1865.0830	933.0451
1406.6629	703.8351	13 V 15	1751.9989	876.5031
1493.6949	747.3511	14 S 14	1652.9305	826.9689
1630.7539	815.8806	15 H 13	1565.8985	783.4529
1729.8223	865.4148	16 V 12	1428.8396	714.9234
1866.8812	933.9442	17 H 11	1329.7711	665.3892
1953.9132	977.4602	18 S 10	1192.7122	596.8598
2066.9973	1034.0023	19 L 9	1105.6802	553.3437
2180.0813	1090.5443	20 L 8	992.5961	496.8017
2343.1447	1172.0760	21 Y 7	879.5121	440.2597
2456.2287	1228.6180	22 I 6	716.4487	358.7280
2569.3128	1285.1600	23 L 5	603.3647	302.1860
2682.3969	1341.7021	24 L 4	490.2806	245.6439
2813.4373	1407.2223	25 M 3	377.1966	189.1019
2884.4745	1442.7409	26 A 2	246.1561	123.5817
		27 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AmcAALVGMALVSHVHSLLYILLMAR.3.y1.1	1020.2	3	175.119	100

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: Da

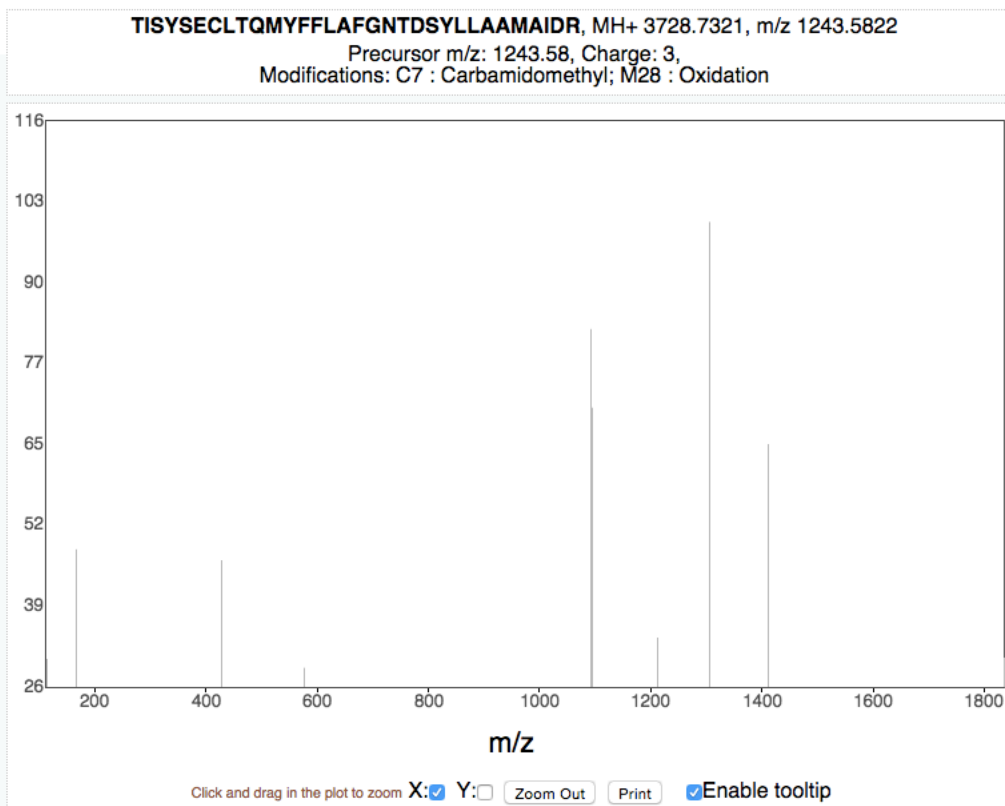
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
102.0550	51.5311	1 T 32		
215.1390	108.0731	2 I 31	3627.6844	1814.3459
302.1710	151.5892	3 S 30	3514.6004	1757.8038
465.2344	233.1208	4 Y 29	3427.5683	1714.2878
552.2664	276.6368	5 S 28	3264.5050	1632.7561
681.3090	341.1581	6 E 27	3177.4730	1589.2401
841.3396	421.1735	7 C 26	3048.4304	1524.7188
954.4237	477.7155	8 L 25	2888.3998	1444.7035
1055.4714	528.2393	9 T 24	2775.3157	1388.1615
1183.5300	592.2686	10 Q 23	2674.2680	1337.6376
1314.5705	657.7889	11 M 22	2546.2094	1273.6084
1477.6338	739.3205	12 Y 21	2415.1689	1208.0881
1624.7022	812.8547	13 F 20	2252.1056	1126.5564
1771.7706	886.3889	14 F 19	2105.0372	1053.0222
1884.8547	942.9310	15 L 18	1957.9688	979.4880
1955.8918	978.4495	16 A 17	1844.8847	922.9460
2102.9602	1051.9837	17 F 16	1773.8476	887.4274
2159.9817	1080.4945	18 G 15	1626.7792	813.8932
2274.0246	1137.5159	19 N 14	1569.7577	785.3825
2375.0723	1188.0398	20 T 13	1455.7148	728.3610
2490.0992	1245.5532	21 D 12	1354.6671	677.8372
2577.1312	1289.0693	22 S 11	1239.6402	620.3237
2740.1946	1370.6009	23 Y 10	1152.6082	576.8077
2853.2786	1427.1430	24 L 9	989.5448	495.2761
2966.3627	1483.6850	25 L 8	876.4608	438.7340
3037.3998	1519.2035	26 A 7	763.3767	382.1920
3108.4369	1554.7221	27 A 6	692.3396	346.6734
3255.4723	1628.2398	28 M 5	621.3025	311.1549
3326.5094	1663.7584	29 A 4	474.2671	237.6372
3439.5935	1720.3004	30 I 3	403.2300	202.1186
3554.6204	1777.8139	31 D 2	290.1459	145.5766
		32 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
---------------	---------------	------------------	--------------	--------------------

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

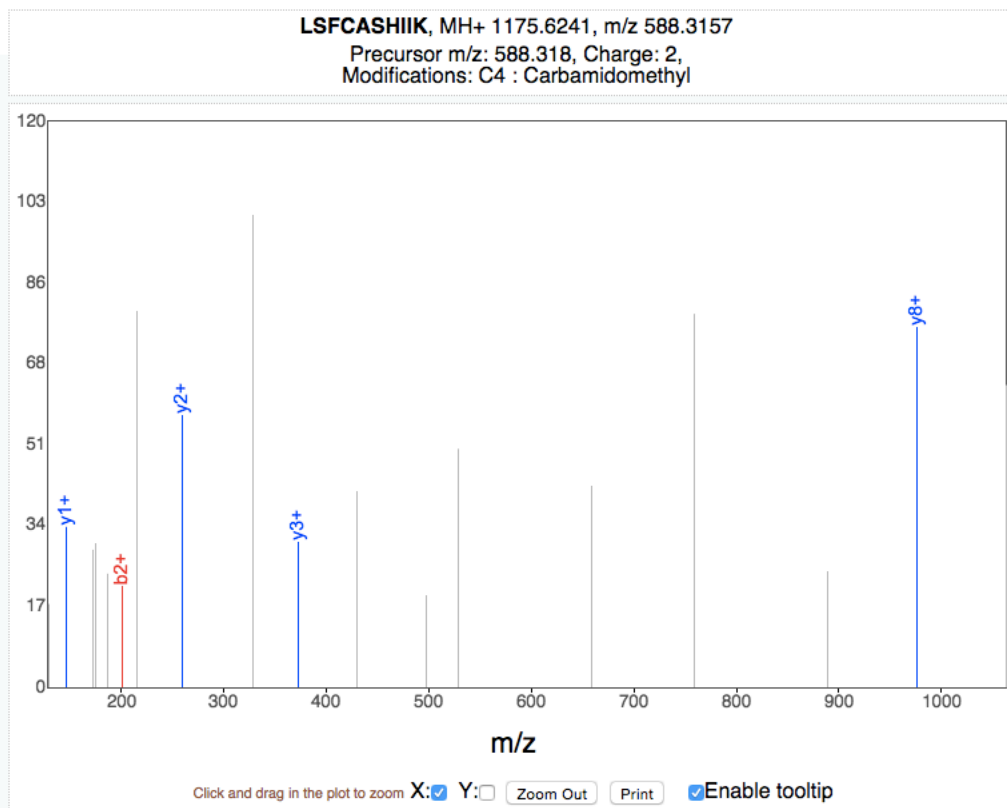
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
114.0913	1 L 10	
201.1234	2 S 9	1062.5401
348.1918	3 F 8	975.5080
508.2224	4 C 7	828.4396
579.2595	5 A 6	668.4090
666.2916	6 S 5	597.3719
803.3505	7 H 4	510.3398
916.4345	8 I 3	373.2809
1029.5186	9 I 2	260.1969
	10 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
LSFcASHIIK.2.y8.1	588.316	2	975.508	100
LSFcASHIIK.2.y9.1	588.316	2	1062.54	83
LSFcASHIIK.2.y2.1	588.316	2	260.197	75
LSFcASHIIK.2.y1.1	588.316	2	147.113	44
LSFcASHIIK.2.y3.1	588.316	2	373.281	40
LSFcASHIIK.2.y3.2	588.316	2	187.144	31
LSFcASHIIK.2.b2.1	588.316	2	201.123	27

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

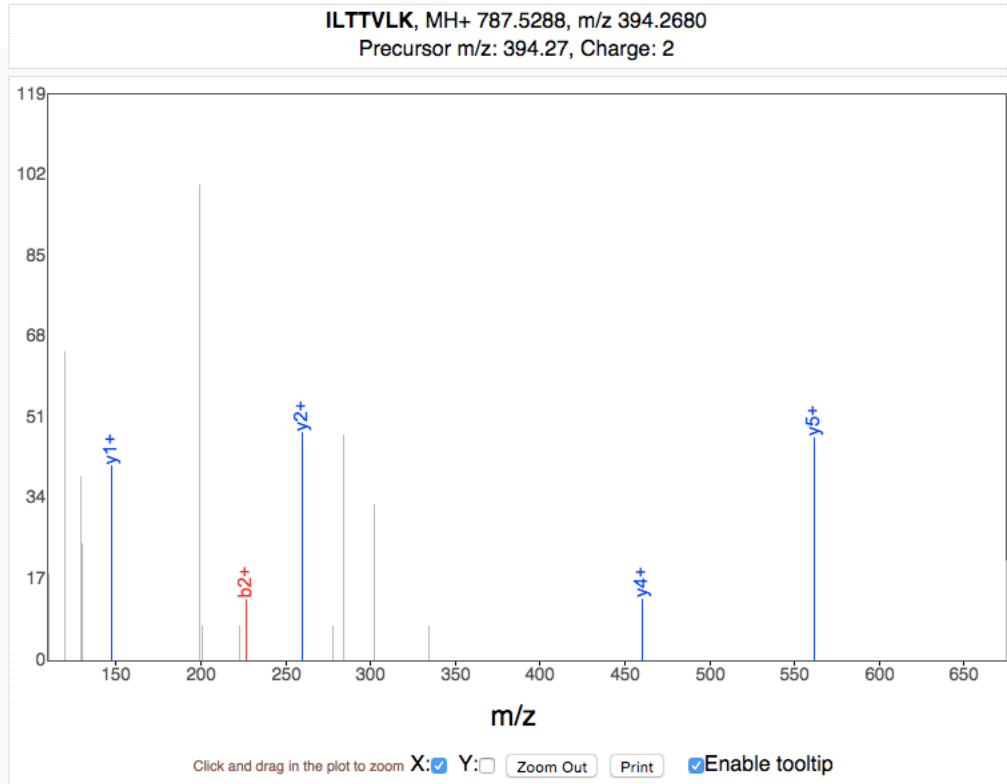
Mass Tolerance: Da

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



	b+	Seq	y+
114.0913	1	I	7
227.1754	2	L	6 674.4447
328.2231	3	T	5 561.3606
429.2708	4	T	4 460.3130
528.3392	5	V	3 359.2653
641.4232	6	L	2 260.1969
	7	K	1 147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
ILTTVLK.2.y2.1	415.273	2	260.197	100
ILTTVLK.2.y5.1	415.273	2	561.361	97
ILTTVLK.2.y1.1	415.273	2	147.113	85
ILTTVLK.2.y6.1	415.273	2	674.445	43
ILTTVLK.2.y4.1	415.273	2	460.313	26

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

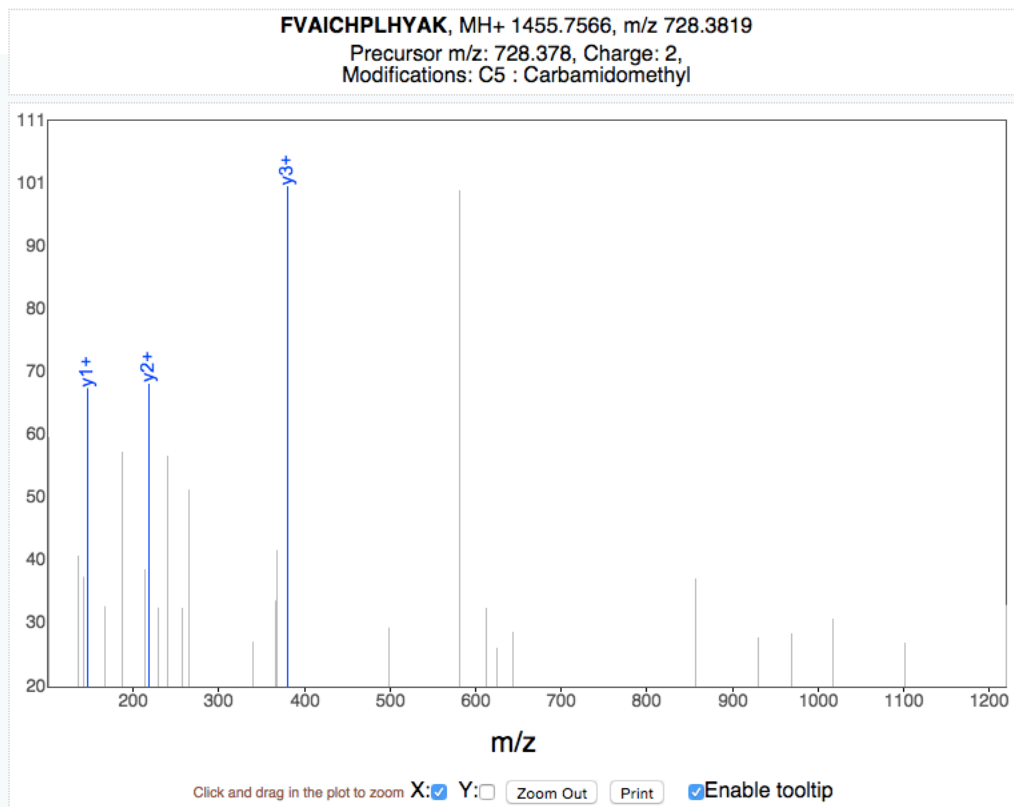
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
148.0757	1 F 12	
247.1441	2 V 11	1308.6881
318.1812	3 A 10	1209.6197
431.2653	4 I 9	1138.5826
591.2959	5 C 8	1025.4985
728.3548	6 H 7	865.4679
825.4076	7 P 6	728.4090
938.4917	8 L 5	631.3562
1075.5506	9 H 4	518.2722
1238.6139	10 Y 3	381.2132
1309.6510	11 A 2	218.1499
	12 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
FVAICHPLHYAK.2.y3.1	728.382	2	381.213	100
FVAICHPLHYAK.2.y2.1	728.382	2	218.15	68
FVAICHPLHYAK.2.y1.1	728.382	2	147.113	67

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

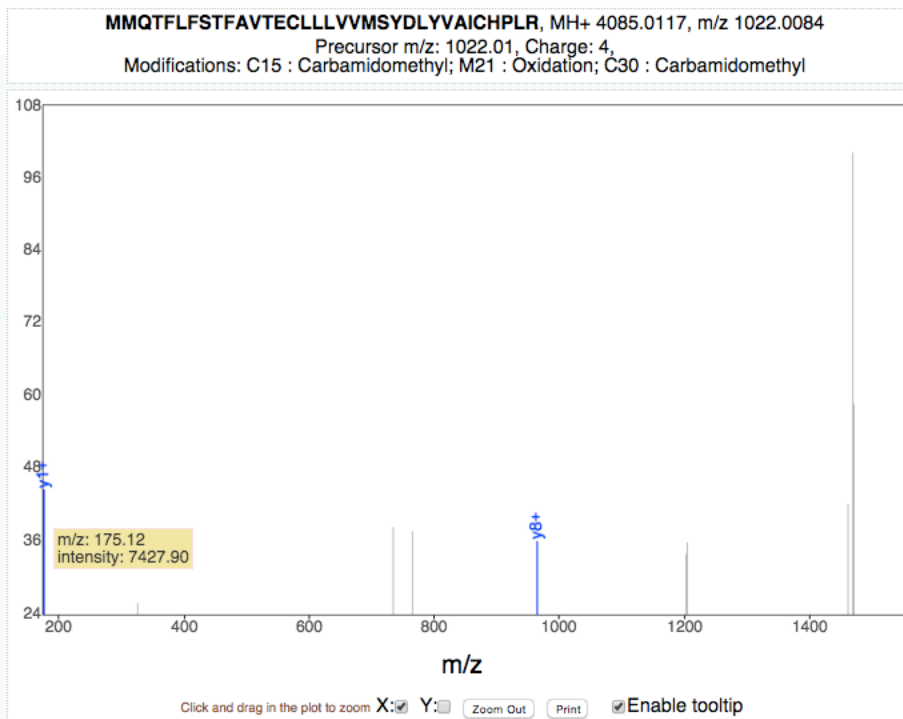
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
132.0478	66.5275	44.6874	1 M 34			
263.0882	132.0478	88.3676	2 M 33	3953.9712	1977.4893	1318.6619
391.1468	196.0770	131.0538	3 Q 32	3822.9308	1911.9690	1274.9818
492.1945	246.6009	164.7364	4 T 31	3694.8722	1847.9397	1232.2956
639.2629	320.1351	213.7592	5 F 30	3593.8245	1797.4159	1198.6130
752.3470	376.6771	251.4538	6 L 29	3446.7561	1723.8817	1149.5902
899.4154	450.2113	300.4766	7 F 28	3333.6720	1667.3397	1111.8955
986.4474	493.7273	329.4873	8 S 27	3186.6036	1593.8054	1062.8727
1087.4951	544.2512	363.1699	9 T 26	3099.5716	1550.2894	1033.8620
1234.5635	617.7854	412.1927	10 F 25	2998.5239	1499.7656	1000.1795
1305.6006	653.3040	435.8717	11 A 24	2851.4555	1426.2314	951.1567
1404.6690	702.8382	468.8945	12 V 23	2780.4184	1390.7128	927.4776
1505.7167	753.3620	502.5771	13 T 22	2681.3500	1341.1786	894.4548
1634.7593	817.8833	545.5913	14 E 21	2580.3023	1290.6548	860.7723
1794.7900	897.8986	598.9348	15 C 20	2451.2597	1226.1335	817.7581
1907.8740	954.4407	636.6295	16 L 19	2291.2290	1146.1182	764.4145
2020.9581	1010.9827	674.3242	17 L 18	2178.1450	1089.5761	726.7198
2134.0422	1067.5247	712.0189	18 L 17	2065.0609	1033.0341	689.0252
2233.1106	1117.0589	745.0417	19 V 16	1951.9769	976.4921	651.3305
2332.1790	1166.5931	778.0645	20 V 15	1852.9084	926.9579	618.3077
2479.2144	1240.1108	827.0763	21 M 14	1753.8400	877.4237	585.2849
2566.2464	1283.6268	856.0870	22 S 13	1606.8046	803.9060	536.2731
2729.3097	1365.1585	910.4414	23 Y 12	1519.7726	760.3899	507.2624
2844.3367	1422.6720	948.7837	24 D 11	1356.7093	678.8583	452.9079
2957.4207	1479.2140	986.4784	25 L 10	1241.6823	621.3448	414.5656
3120.4841	1560.7457	1040.8329	26 Y 9	1128.5983	564.8028	376.8709
3219.5525	1610.2799	1073.8557	27 V 8	965.5349	483.2711	322.5165
3290.5896	1645.7984	1097.5347	28 A 7	866.4665	433.7369	289.4937
3403.6737	1702.3405	1135.2294	29 I 6	795.4294	398.2183	265.8147
3563.7043	1782.3558	1188.5730	30 C 5	682.3453	341.6763	228.1200
3700.7632	1850.8853	1234.2593	31 H 4	522.3147	261.6610	174.7764
3797.8160	1899.4116	1266.6102	32 P 3	385.2558	193.1315	129.0901
3910.9001	1955.9537	1304.3049	33 L 2	288.2030	144.6051	96.7392
			34 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
MMQTFLFSTFAVTEcLLLVmSYDLYVAIcHPLR.4.y1.1	1022.01	4	175.119	100
MMQTFLFSTFAVTEcLLLVmSYDLYVAIcHPLR.4.y8.1	1022.01	4	965.535	80

MS/MS spectrum

- 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+
[Deselect All](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

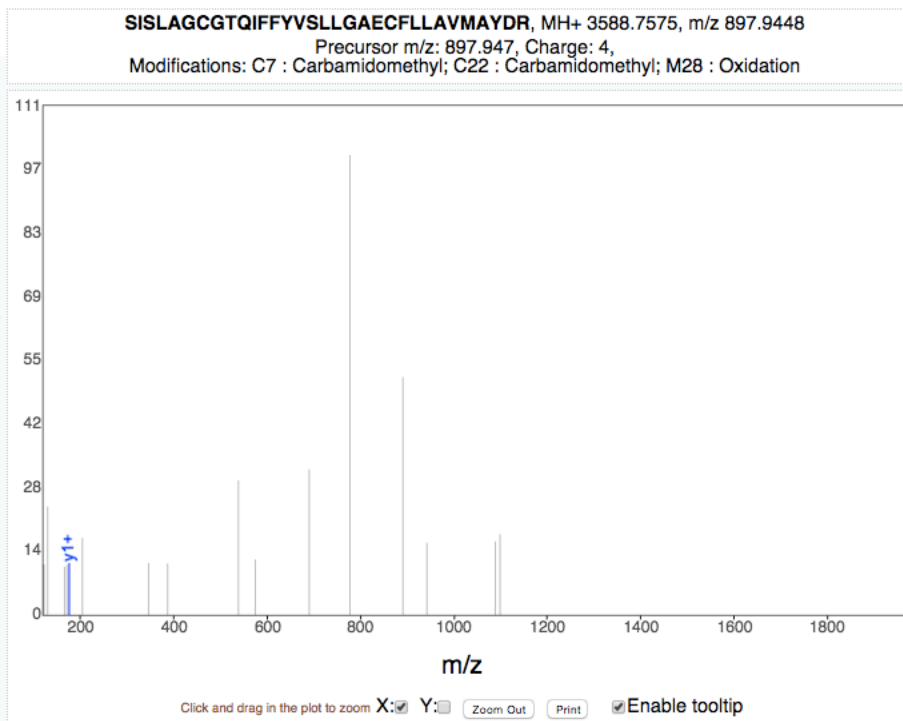
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
88.0393	44.5233	30.0180	1 S 32			
201.1234	101.0653	67.7126	2 I 31	3501.7255	1751.3664	1167.9134
288.1554	144.5813	96.7233	3 S 30	3388.6415	1694.8244	1130.2187
401.2395	201.1234	134.4180	4 L 29	3301.6094	1651.3084	1101.2080
472.2766	236.6419	158.0970	5 A 28	3188.5254	1594.7663	1063.5133
529.2980	265.1527	177.1042	6 G 27	3117.4882	1559.2478	1039.8343
689.3287	345.1680	230.4477	7 C 26	3060.4668	1530.7370	1020.8271
746.3502	373.6787	249.4549	8 G 25	2900.4361	1450.7217	967.4836
847.3978	424.2026	283.1375	9 T 24	2843.4147	1422.2110	948.4764
975.4564	488.2318	325.8237	10 Q 23	2742.3670	1371.6871	914.7938
1088.5405	544.7739	363.5183	11 I 22	2614.3084	1307.6578	872.1077
1235.6089	618.3081	412.5411	12 F 21	2501.2244	1251.1158	834.4130
1382.6773	691.8423	461.5640	13 F 20	2354.1559	1177.5816	785.3902
1545.7406	773.3740	515.9184	14 Y 19	2207.0875	1104.0474	736.3674
1644.8090	822.9082	548.9412	15 V 18	2044.0242	1022.5157	682.0129
1731.8411	866.4242	577.9519	16 S 17	1944.9558	972.9815	648.9901
1844.9251	922.9662	615.6466	17 L 16	1857.9238	929.4655	619.9794
1958.0092	979.5082	653.3412	18 L 15	1744.8397	872.9235	582.2847
2015.0307	1008.0190	672.3484	19 G 14	1631.7556	816.3815	544.5901
2086.0678	1043.5375	696.0274	20 A 13	1574.7342	787.8707	525.5829
2215.1104	1108.0588	739.0416	21 E 12	1503.6970	752.3522	501.9039
2375.1410	1188.0741	792.3852	22 C 11	1374.6545	687.8309	458.8897
2522.2094	1261.6084	841.4080	23 F 10	1214.6238	607.8155	405.5461
2635.2935	1318.1504	879.1027	24 L 9	1067.5554	534.2813	356.5233
2748.3776	1374.6924	916.7974	25 L 8	954.4713	477.7393	318.8286
2819.4147	1410.2110	940.4764	26 A 7	841.3873	421.1973	281.1339
2918.4831	1459.7452	973.4992	27 V 6	770.3502	385.6787	257.4549
3065.5185	1533.2629	1022.5110	28 M 5	671.2817	336.1445	224.4321
3136.5556	1568.7814	1046.1901	29 A 4	524.2463	262.6268	175.4203
3299.6189	1650.3131	1100.5445	30 Y 3	453.2092	227.1082	151.7413
3414.6459	1707.8266	1138.8868	31 D 2	290.1459	145.5766	97.3868
			32 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SISLAGcGTQIFFVSVLLGAECFLAVmAYDR.4.y1.1	897.945	4	175.119	100

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

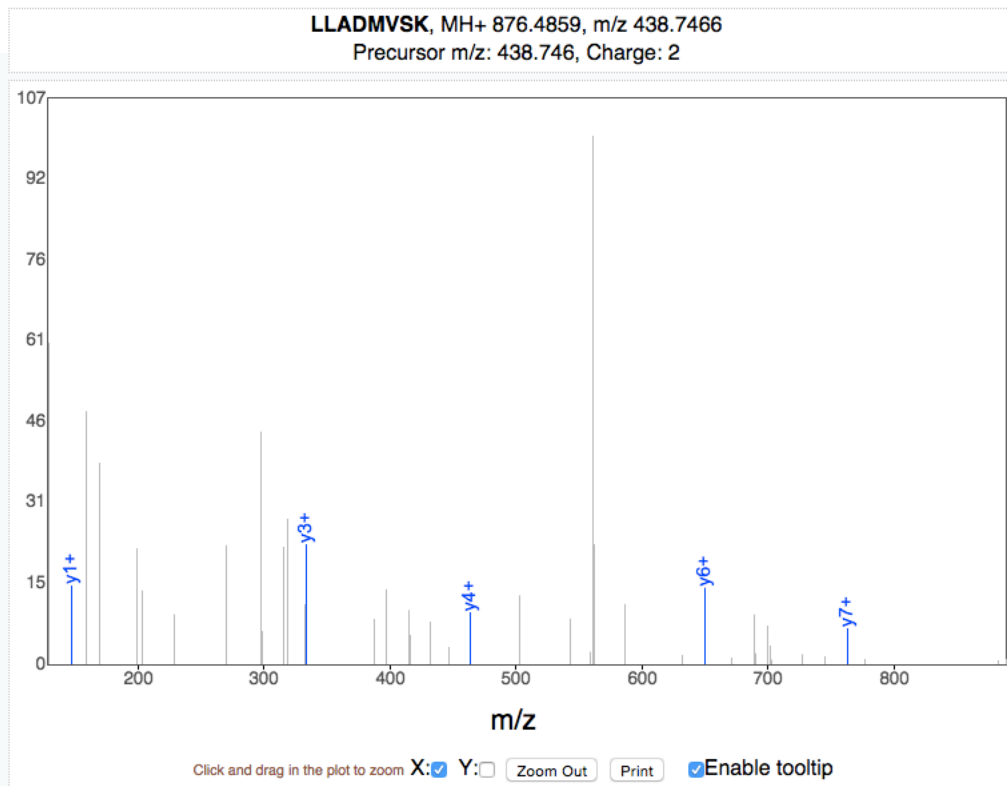
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
114.0913	1 L 8	
227.1754	2 L 7	763.4019
298.2125	3 A 6	650.3178
413.2395	4 D 5	579.2807
544.2799	5 M 4	464.2537
643.3484	6 V 3	333.2132
730.3804	7 S 2	234.1448
8	K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
LLADMVSK.2.y3.1	459.752	2	333.213	100
LLADMVSK.2.y1.1	459.752	2	147.113	65
LLADMVSK.2.y6.1	459.752	2	650.318	63
LLADMVSK.2.b5.1	459.752	2	586.291	50
LLADMVSK.2.y4.1	459.752	2	464.254	42
LLADMVSK.2.y7.1	459.752	2	763.402	29

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

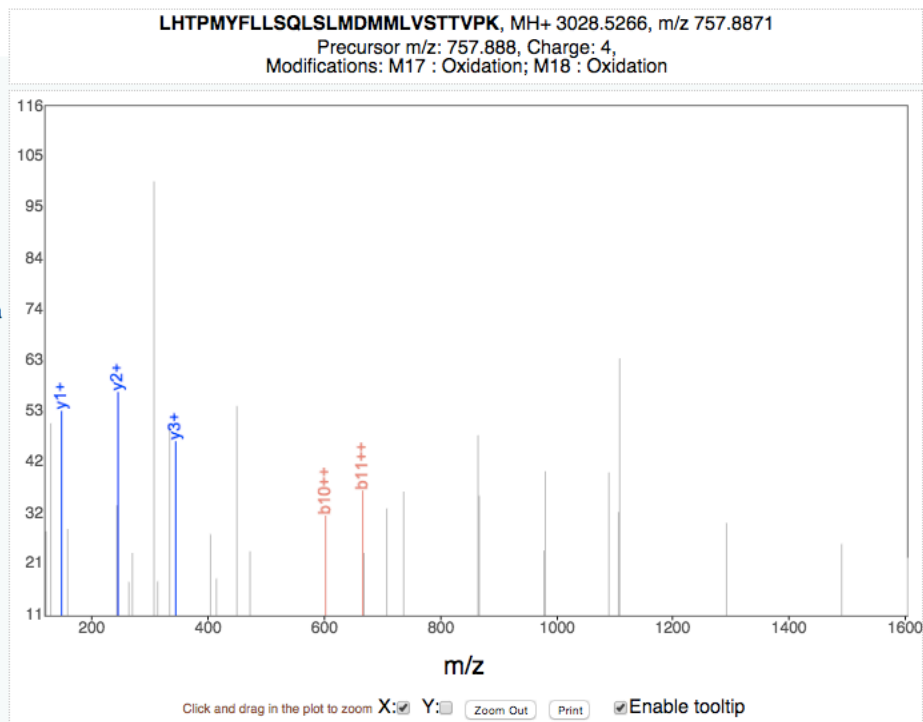
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



b+	b2+	b3+	Seq	y+	y2+	y3+
114.0913	57.5493	38.7020	1 L 26			
251.1503	126.0788	84.3883	2 H 25	2915.4425	1458.2249	972.4857
352.1979	176.6026	118.0708	3 T 24	2778.3836	1389.6955	926.7994
449.2507	225.1290	150.4217	4 P 23	2677.3360	1339.1716	893.1168
580.2912	290.6492	194.1019	5 M 22	2580.2832	1290.6452	860.7659
743.3545	372.1809	248.4564	6 Y 21	2449.2427	1225.1250	817.0858
890.4229	445.7151	297.4792	7 F 20	2286.1794	1143.5933	762.7313
1003.5070	502.2571	335.1738	8 L 19	2139.1110	1070.0591	713.7085
1116.5910	558.7992	372.8685	9 L 18	2026.0269	1013.5171	676.0138
1203.6231	602.3152	401.8792	10 S 17	1912.9428	956.9751	638.3191
1331.6817	666.3445	444.5654	11 Q 16	1825.9108	913.4590	609.3085
1444.7657	722.8865	482.2601	12 L 15	1697.8522	849.4298	566.6223
1531.7977	766.4025	511.2708	13 S 14	1584.7682	792.8877	528.9276
1644.8818	822.9445	548.9655	14 L 13	1497.7361	749.3717	499.9169
1775.9223	888.4648	592.6456	15 M 12	1384.6521	692.8297	462.2222
1890.9492	945.9783	630.9879	16 D 11	1253.6116	627.3094	418.5420
2037.9846	1019.4960	679.9997	17 M 10	1138.5846	569.7960	380.1997
2185.0200	1093.0137	729.0115	18 M 9	991.5492	496.2783	331.1879
2298.1041	1149.5557	766.7062	19 L 8	844.5138	422.7606	282.1761
2397.1725	1199.0899	799.7290	20 V 7	731.4298	366.2185	244.4814
2484.2045	1242.6059	828.7397	21 S 6	632.3614	316.6843	211.4586
2585.2522	1293.1297	862.4223	22 T 5	545.3293	273.1683	182.4480
2686.2999	1343.6536	896.1048	23 T 4	444.2817	222.6445	148.7654
2785.3683	1393.1878	929.1276	24 V 3	343.2340	172.1206	115.0828
2882.4211	1441.7142	961.4785	25 P 2	244.1656	122.5864	82.0600
			26 K 1	147.1128	74.0600	49.7091

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
LHTPMYFLLSQLSLMDmmLVSTTVPK.4.y2.1	757.887	4	244.166	100
LHTPMYFLLSQLSLMDmmLVSTTVPK.4.y1.1	757.887	4	147.113	93
LHTPMYFLLSQLSLMDmmLVSTTVPK.4.y3.1	757.887	4	343.234	82
LHTPMYFLLSQLSLMDmmLVSTTVPK.4.b11.2	757.887	4	666.344	63
LHTPMYFLLSQLSLMDmmLVSTTVPK.4.b10.2	757.887	4	602.315	54

MS/MS spectrum

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⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

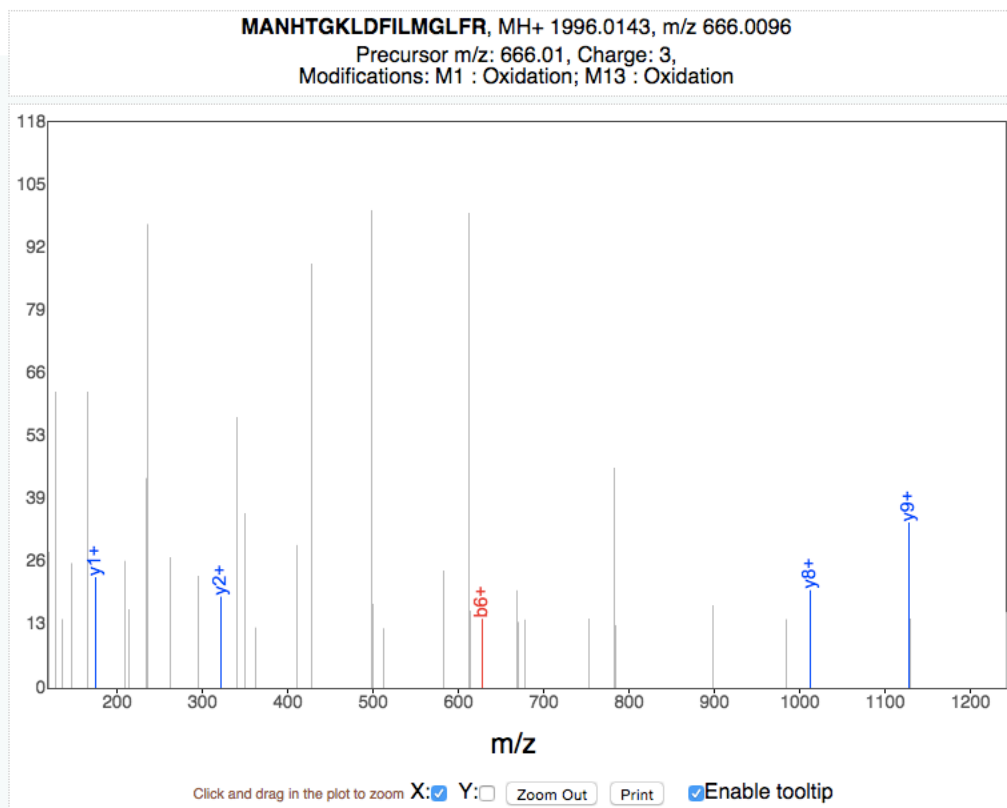
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
148.0427	74.5250	1 M 17		
219.0798	110.0435	2 A 16	1848.9789	924.9931
333.1227	167.0650	3 N 15	1777.9418	889.4745
470.1816	235.5945	4 H 14	1663.8989	832.4531
571.2293	286.1183	5 T 13	1526.8399	763.9236
628.2508	314.6290	6 G 12	1425.7923	713.3998
756.3457	378.6765	7 K 11	1368.7708	684.8890
869.4298	435.2185	8 L 10	1240.6758	620.8416
984.4567	492.7320	9 D 9	1127.5918	564.2995
1131.5252	566.2662	10 F 8	1012.5648	506.7861
1244.6092	622.8082	11 I 7	865.4964	433.2518
1357.6933	679.3503	12 L 6	752.4124	376.7098
1504.7287	752.8680	13 M 5	639.3283	320.1678
1561.7501	781.3787	14 G 4	492.2929	246.6501
1674.8342	837.9207	15 L 3	435.2714	218.1394
1821.9026	911.4550	16 F 2	322.1874	161.5973
		17 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
mANHTGKLDLFDLmGLFR.3.y9.1	666.01	3	1127.59	100
mANHTGKLDLFDLmGLFR.3.y1.1	666.01	3	175.119	66
mANHTGKLDLFDLmGLFR.3.y8.1	666.01	3	1012.56	59
mANHTGKLDLFDLmGLFR.3.y2.1	666.01	3	322.187	55
mANHTGKLDLFDLmGLFR.3.y10.1	666.01	3	1240.68	45
mANHTGKLDLFDLmGLFR.3.b6.1	666.01	3	628.251	41

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

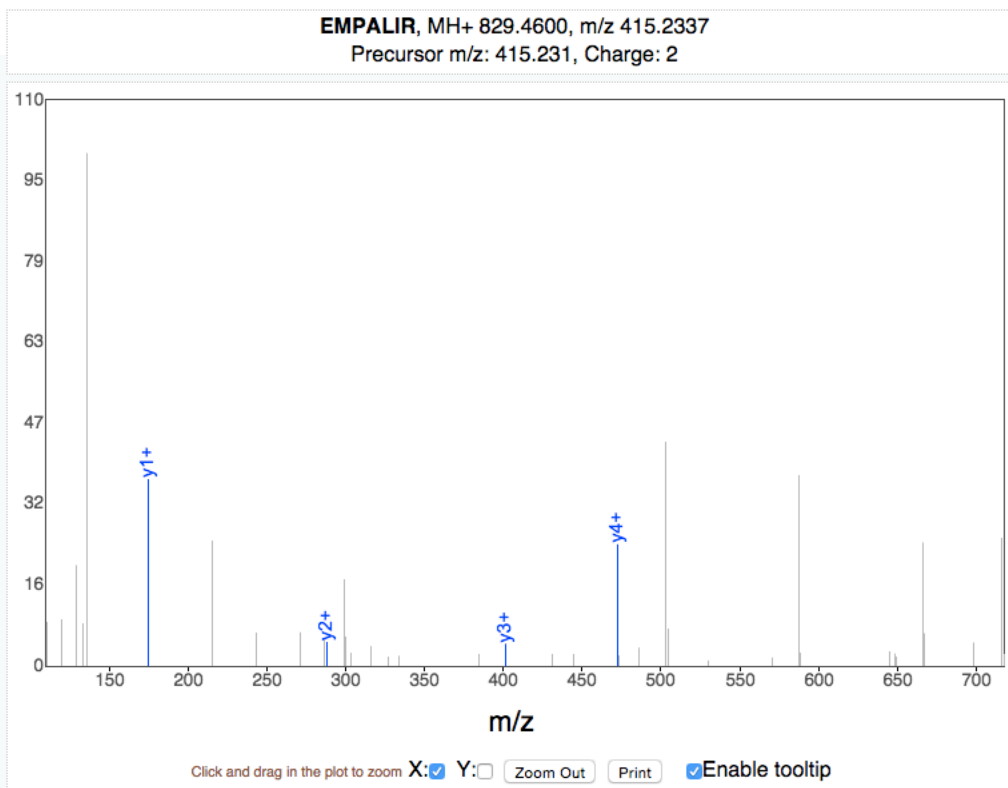
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
130.0499	1 E 7	
261.0904	2 M 6	700.4174
358.1431	3 P 5	569.3770
429.1802	4 A 4	472.3242
542.2643	5 L 3	401.2871
655.3484	6 I 2	288.2030
	7 R 1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
EMPALIR.2.y1.1	436.239	2	175.119	100
EMPALIR.2.y4.1	436.239	2	472.324	65
EMPALIR.2.y2.1	436.239	2	288.203	12
EMPALIR.2.y3.1	436.239	2	401.287	11

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

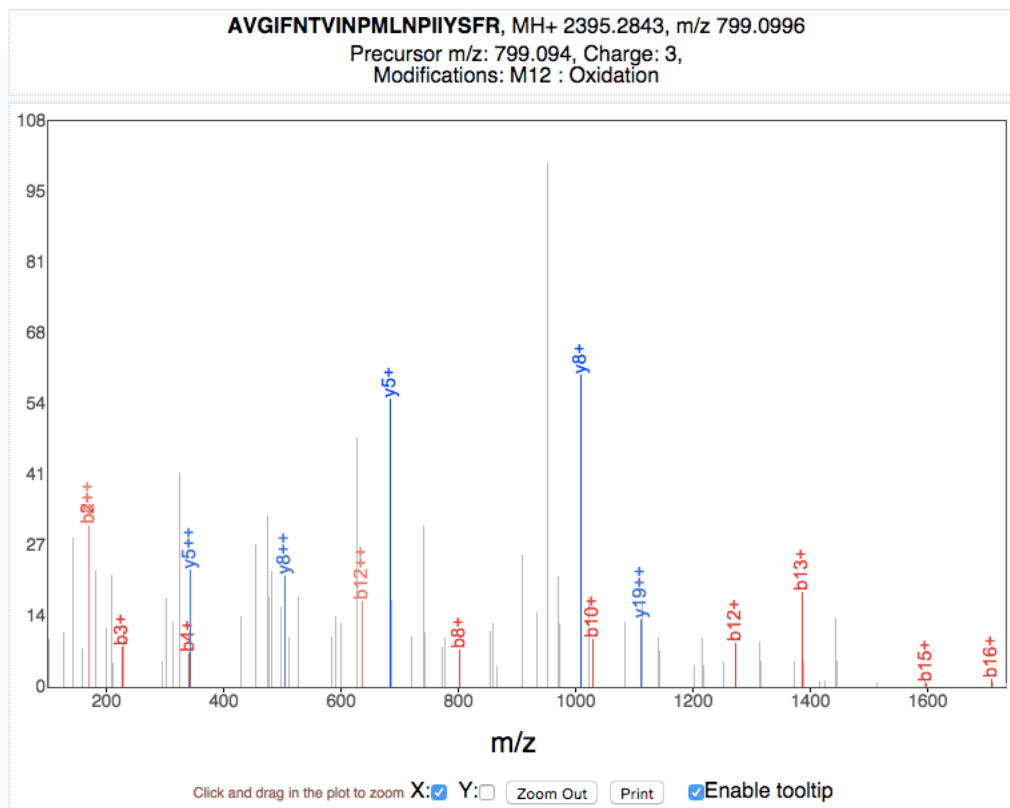
Mass Tolerance: Da

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
72.0444	36.5258	1 A 21		
171.1128	86.0600	2 V 20	2324.2471	1162.6272
228.1343	114.5708	3 G 19	2225.1787	1113.0930
341.2183	171.1128	4 I 18	2168.1573	1084.5823
488.2867	244.6470	5 F 17	2055.0732	1028.0402
602.3297	301.6685	6 N 16	1908.0048	954.5060
703.3774	352.1923	7 T 15	1793.9619	897.4846
802.4458	401.7265	8 V 14	1692.9142	846.9607
915.5298	458.2686	9 I 13	1593.8458	797.4265
1029.5728	515.2900	10 N 12	1480.7617	740.8845
1126.6255	563.8164	11 P 11	1366.7188	683.8630
1273.6609	637.3341	12 M 10	1269.6660	635.3366
1386.7450	693.8761	13 L 9	1122.6306	561.8189
1500.7879	750.8976	14 N 8	1009.5465	505.2769
1597.8407	799.4240	15 P 7	895.5036	448.2554
1710.9247	855.9660	16 I 6	798.4509	399.7291
1824.0088	912.5080	17 I 5	685.3668	343.1870
1987.0721	994.0397	18 Y 4	572.2827	286.6450
2074.1042	1037.5557	19 S 3	409.2194	205.1133
2221.1726	1111.0899	20 F 2	322.1874	161.5973
		21 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AVGIFNTVINPmLNPIIYSFR.3.y8.1	799.1	3	1009.55	100
AVGIFNTVINPmLNPIIYSFR.3.y5.1	799.1	3	685.367	92
AVGIFNTVINPmLNPIIYSFR.3.b2.1	799.1	3	171.113	51
AVGIFNTVINPmLNPIIYSFR.3.b4.2	799.1	3	171.113	51
AVGIFNTVINPmLNPIIYSFR.3.y5.2	799.1	3	343.187	37
AVGIFNTVINPmLNPIIYSFR.3.y8.2	799.1	3	505.277	35
AVGIFNTVINPmLNPIIYSFR.3.b13.1	799.1	3	1386.74	30

MS/MS spectrum

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⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

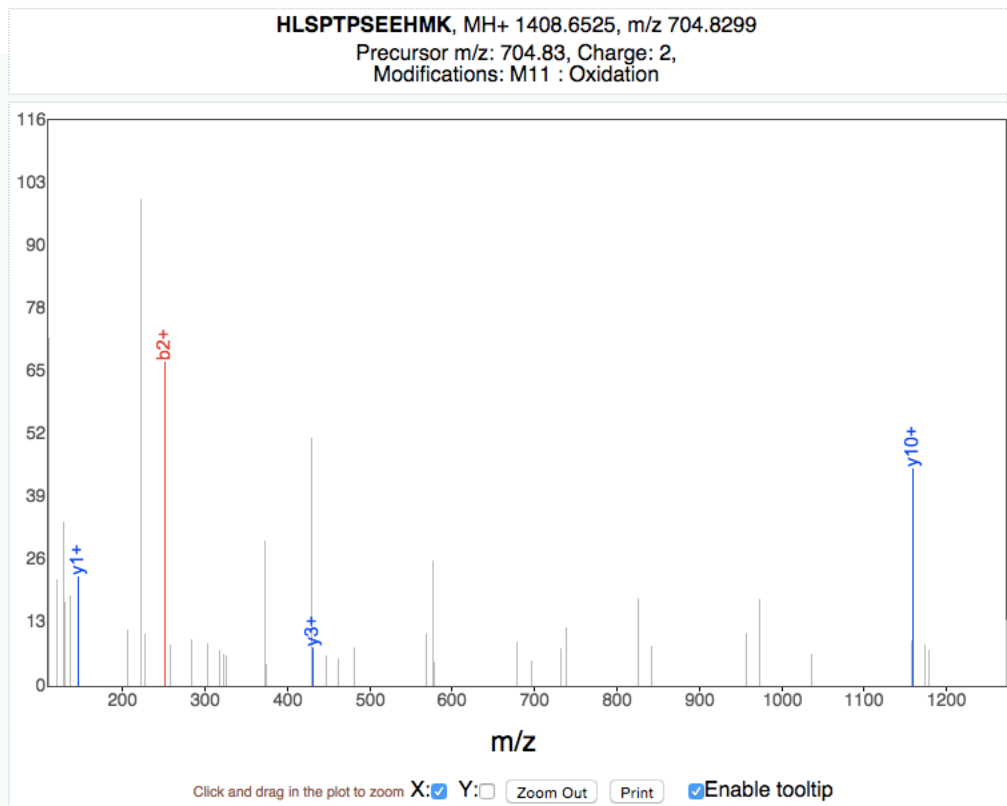
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	Seq	y+
138.0662	1 H 12	
251.1503	2 L 11	1271.5936
338.1823	3 S 10	1158.5096
435.2350	4 P 9	1071.4775
536.2827	5 T 8	974.4248
633.3355	6 P 7	873.3771
720.3675	7 S 6	776.3243
849.4101	8 E 5	689.2923
978.4527	9 E 4	560.2497
1115.5116	10 H 3	431.2071
1262.5470	11 M 2	294.1482
	12 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
HLSPTPSEEHMK.2.b2.1	704.83	2	251.15	100
HLSPTPSEEHMK.2.y10.1	704.83	2	1158.51	67
HLSPTPSEEHMK.2.y1.1	704.83	2	147.113	33
HLSPTPSEEHMK.2.y11.1	704.83	2	1271.59	20
HLSPTPSEEHMK.2.y3.1	704.83	2	431.207	11
HLSPTPSEEHMK.2.b12.2	704.83	2	695.825	7

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

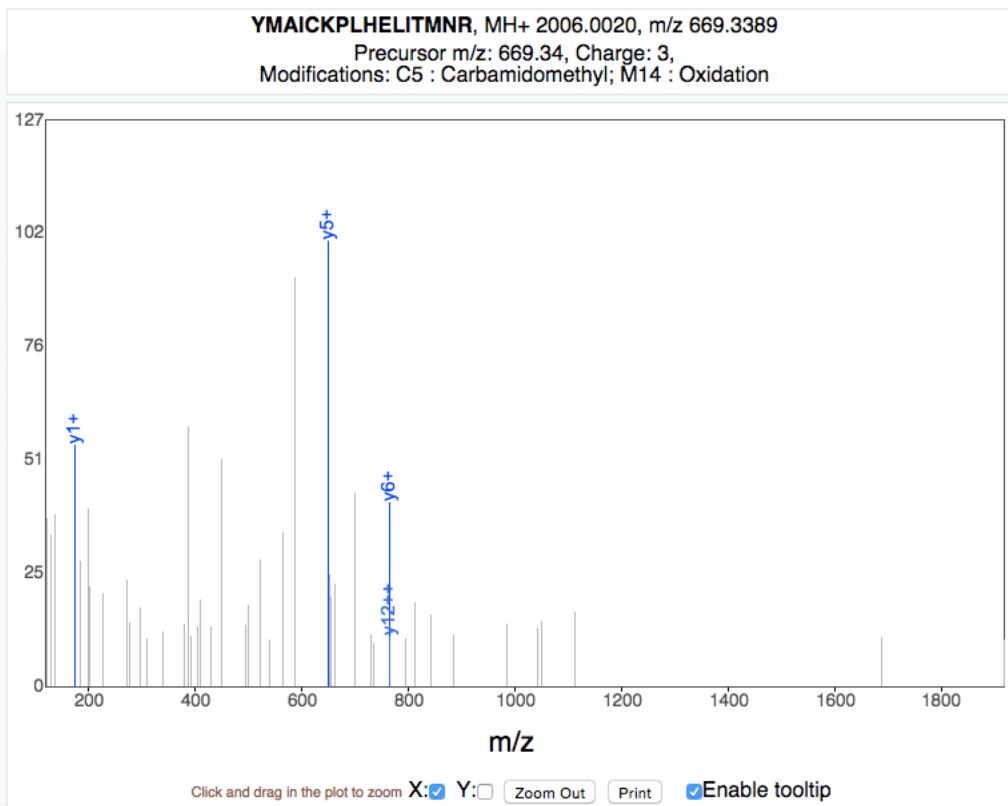
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
164.0706	82.5389	1 Y 16		
295.1111	148.0592	2 M 15	1842.9387	921.9730
366.1482	183.5777	3 A 14	1711.8982	856.4527
479.2323	240.1198	4 I 13	1640.8611	820.9342
639.2629	320.1351	5 C 12	1527.7770	764.3922
767.3579	384.1826	6 K 11	1367.7464	684.3768
864.4106	432.7090	7 P 10	1239.6514	620.3293
977.4947	489.2510	8 L 9	1142.5987	571.8030
1114.5536	557.7804	9 H 8	1029.5146	515.2609
1243.5962	622.3017	10 E 7	892.4557	446.7315
1356.6803	678.8438	11 L 6	763.4131	382.2102
1469.7643	735.3858	12 I 5	650.3290	325.6681
1570.8120	785.9096	13 T 4	537.2450	269.1261
1717.8474	859.4273	14 M 3	436.1973	218.6023
1831.8903	916.4488	15 N 2	289.1619	145.0846
		16 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
YMAIcKPLHELITmNR.3.y5.1	669.339	3	650.329	100
YMAIcKPLHELITmNR.3.y1.1	669.339	3	175.119	54
YMAIcKPLHELITmNR.3.y6.1	669.339	3	763.413	41
YMAIcKPLHELITmNR.3.y12.2	669.339	3	764.392	11

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

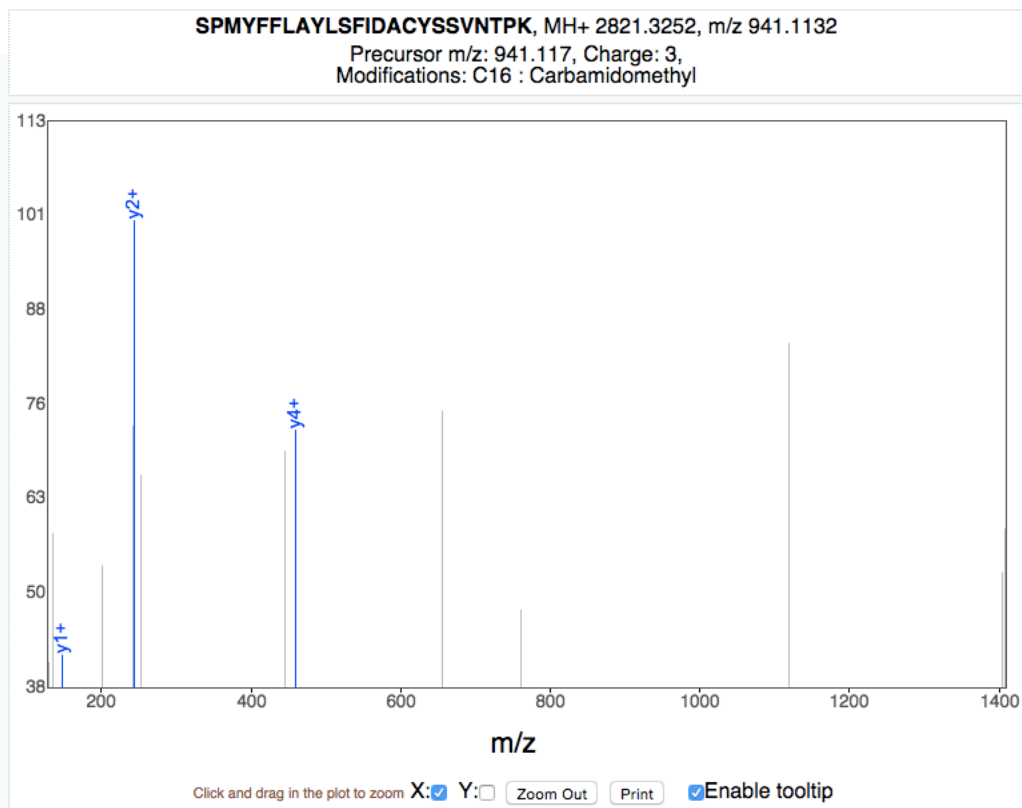
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	b2+	Seq	y+	y2+
88.0393	44.5233	1 S 24		
185.0921	93.0497	2 P 23	2734.2932	1367.6502
316.1326	158.5699	3 M 22	2637.2404	1319.1238
479.1959	240.1016	4 Y 21	2506.1999	1253.6036
626.2643	313.6358	5 F 20	2343.1366	1172.0719
773.3327	387.1700	6 F 19	2196.0682	1098.5377
886.4168	443.7120	7 L 18	2048.9998	1025.0035
957.4539	479.2306	8 A 17	1935.9157	968.4615
1120.5172	560.7622	9 Y 16	1864.8786	932.9429
1233.6013	617.3043	10 L 15	1701.8152	851.4113
1320.6333	660.8203	11 S 14	1588.7312	794.8692
1467.7017	734.3545	12 F 13	1501.6992	751.3532
1580.7858	790.8965	13 I 12	1354.6307	677.8190
1695.8127	848.4100	14 D 11	1241.5467	621.2770
1766.8498	883.9286	15 A 10	1126.5197	563.7635
1926.8805	963.9439	16 C 9	1055.4826	528.2449
2089.9438	1045.4755	17 Y 8	895.4520	448.2296
2176.9758	1088.9916	18 S 7	732.3886	366.6980
2264.0079	1132.5076	19 S 6	645.3566	323.1819
2363.0763	1182.0418	20 V 5	558.3246	279.6659
2477.1192	1239.0632	21 N 4	459.2562	230.1317
2578.1669	1289.5871	22 T 3	345.2132	173.1103
2675.2197	1338.1135	23 P 2	244.1656	122.5864
		24 K 1	147.1128	74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SPMYFFLAYLSFIDAcYSSVNTPK.3.y2.1	941.113	3	244.166	100
SPMYFFLAYLSFIDAcYSSVNTPK.3.y4.1	941.113	3	459.256	72
SPMYFFLAYLSFIDAcYSSVNTPK.3.y1.1	941.113	3	147.113	42

MS/MS spectrum

- 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+

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

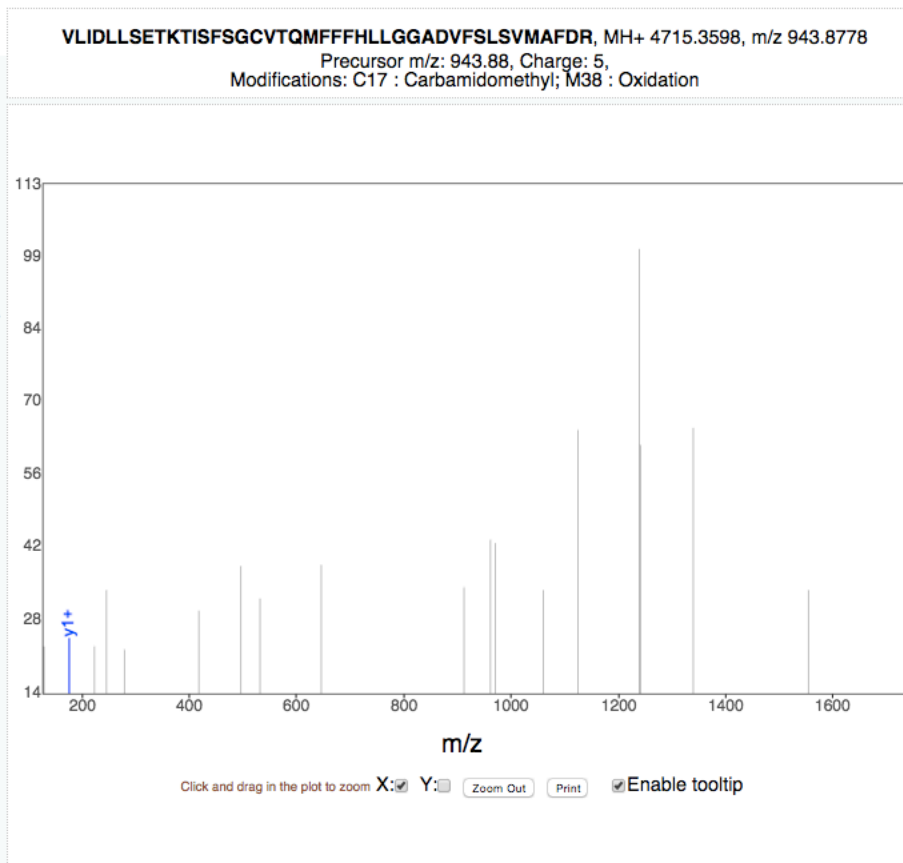
Mass Tolerance: 0.05 Da

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
100.0757	50.5415	34.0301	1	V	42	
213.1598	107.0835	71.7248	2	L	41	4616.2914
326.2438	163.6255	109.4195	3	I	40	4503.2073
441.2708	221.1390	147.7618	4	D	39	4390.1233
554.3548	277.6811	185.4565	5	L	38	4275.0963
667.4389	334.2231	223.1511	6	L	37	4162.0123
754.4709	377.7391	252.1618	7	S	36	4048.9282
883.5135	442.2604	295.1760	8	E	35	3961.8962
984.5612	492.7842	328.8586	9	T	34	3832.8536
1112.6562	556.8317	371.5569	10	K	33	3731.8059
1213.7038	607.3556	405.2395	11	T	32	3603.7109
1326.7879	663.8976	442.9341	12	I	31	3502.6633
1413.8199	707.4136	471.9448	13	S	30	3389.5792
1560.8883	780.9478	520.9676	14	F	29	3302.5472
1647.9204	824.4638	549.9783	15	S	28	3155.4787
1704.9418	852.9746	568.9855	16	G	27	3068.4467
1864.9725	932.9899	622.3290	17	C	26	3011.4253
1964.0409	982.5241	655.3518	18	V	25	2851.3946
2065.0886	1033.0479	689.0344	19	T	24	2752.3262
2193.1471	1097.0772	731.7206	20	Q	23	2651.2785
2324.1876	1162.5975	775.4007	21	M	22	2523.2199
2471.2560	1236.1317	824.4235	22	F	21	2392.1795
2618.3245	1309.6659	873.4463	23	F	20	2245.1110
2765.3929	1383.2001	922.4691	24	F	19	2098.0426
2902.4518	1451.7295	968.1554	25	H	18	1950.9742
3015.5359	1508.2716	1005.8501	26	L	17	1813.9153
3128.6199	1564.8136	1043.5448	27	L	16	1700.8312
3185.6414	1593.3243	1062.5520	28	G	15	1587.7472
3242.6628	1621.8351	1081.5591	29	G	14	1530.7257
3313.7000	1657.3536	1105.2382	30	A	13	1473.7042
3428.7269	1714.8671	1143.5805	31	D	12	1402.6671
3527.7953	1764.4013	1176.6033	32	V	11	1287.6402
3674.8637	1837.9355	1225.6261	33	F	10	1188.5718
3761.8958	1881.4515	1254.6368	34	S	9	1041.5034
3874.9798	1937.9935	1292.3315	35	L	8	954.4713
3962.0118	1981.5096	1321.3421	36	S	7	841.3873
4061.0803	2031.0438	1354.3649	37	V	6	754.3552
4208.1157	2104.5615	1403.3767	38	M	5	655.2868
4279.1528	2140.0800	1427.0558	39	A	4	508.2514
4426.2212	2213.6142	1476.0786	40	F	3	437.2143
4541.2481	2271.1277	1514.4209	41	D	2	290.1459
			42	R	1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
VLIDLLSETKTISFSGcVTQMFFHLLGGADVFSLsVMAFDR.5.y1.1	943.878	5	175.119	100

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

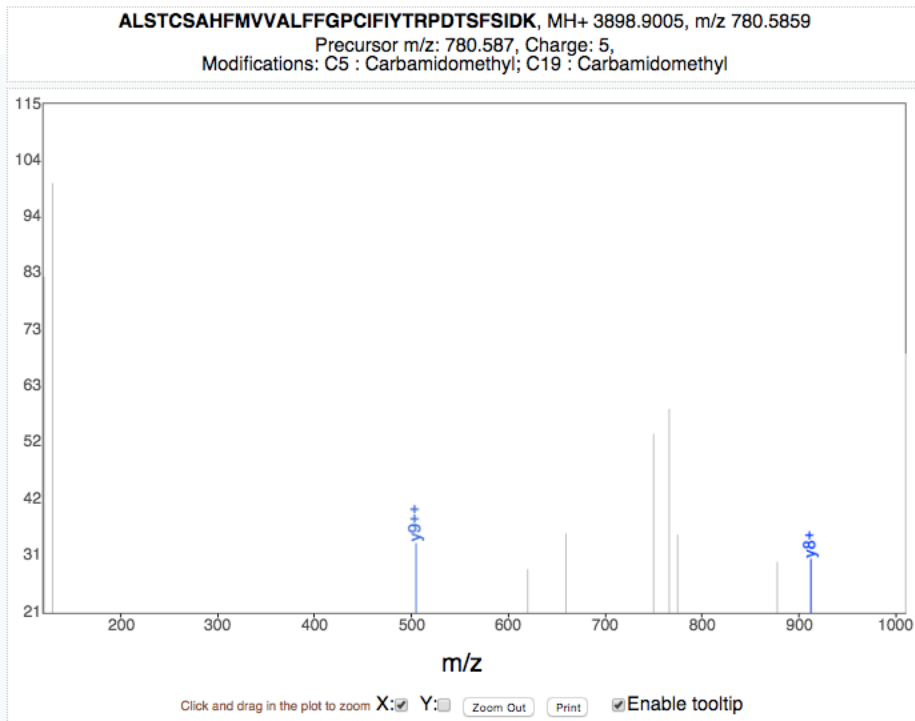
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



b+	b2+	b3+	Seq	y+	y2+	y3+
72.0444	36.5258	24.6863	1 A 34			
185.1285	93.0679	62.3810	2 L 33	3827.8634	1914.4353	1276.6260
272.1605	136.5839	91.3917	3 S 32	3714.7793	1857.8933	1238.9313
373.2082	187.1077	125.0742	4 T 31	3627.7473	1814.3773	1209.9206
533.2388	267.1230	178.4178	5 C 30	3526.6996	1763.8535	1176.2381
620.2708	310.6391	207.4285	6 S 29	3366.6690	1683.8381	1122.8945
691.3080	346.1576	231.1075	7 A 28	3279.6370	1640.3221	1093.8838
828.3669	414.6871	276.7938	8 H 27	3208.5998	1604.8036	1070.2048
975.4353	488.2213	325.8166	9 F 26	3071.5409	1536.2741	1024.5185
1106.4758	553.7415	369.4968	10 M 25	2924.4725	1462.7399	975.4957
1205.5442	603.2757	402.5196	11 V 24	2793.4320	1397.2197	931.8155
1304.6126	652.8099	435.5424	12 V 23	2694.3636	1347.6854	898.7927
1375.6497	688.3285	459.2214	13 A 22	2595.2952	1298.1512	865.7699
1488.7338	744.8705	496.9161	14 L 21	2524.2581	1262.6327	842.0909
1635.8022	818.4047	545.9389	15 F 20	2411.1740	1206.0907	804.3962
1782.8706	891.9389	594.9617	16 F 19	2264.1056	1132.5564	755.3734
1839.8921	920.4497	613.9689	17 G 18	2117.0372	1059.0222	706.3506
1936.9448	968.9760	646.3198	18 P 17	2060.0157	1030.5115	687.3434
2096.9755	1048.9914	699.6633	19 C 16	1962.9630	981.9851	654.9925
2210.0595	1105.5334	737.3580	20 I 15	1802.9323	901.9698	601.6490
2357.1279	1179.0676	786.3808	21 F 14	1689.8483	845.4278	563.9543
2470.2120	1235.6096	824.0755	22 I 13	1542.7798	771.8936	514.9315
2633.2753	1317.1413	878.4300	23 Y 12	1429.6958	715.3515	477.2368
2734.3230	1367.6651	912.1125	24 T 11	1266.6325	633.8199	422.8823
2890.4241	1445.7157	964.1462	25 R 10	1165.5848	583.2960	389.1998
2987.4769	1494.2421	996.4971	26 P 9	1009.4837	505.2455	337.1661
3102.5038	1551.7556	1034.8395	27 D 8	912.4309	456.7191	304.8152
3203.5515	1602.2794	1068.5220	28 T 7	797.4040	399.2056	266.4728
3290.5835	1645.7954	1097.5327	29 S 6	696.3563	348.6818	232.7903
3437.6520	1719.3296	1146.5555	30 F 5	609.3243	303.1658	203.7796
3524.6840	1762.8456	1175.5662	31 S 4	462.2558	231.6316	154.7568
3637.7681	1819.3877	1213.2609	32 I 3	375.2238	188.1155	125.7461
3752.7950	1876.9011	1251.6032	33 D 2	262.1397	131.5735	88.0514
			34 K 1	147.1128	74.0600	49.7091

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
ALSTcSAHFMVVALFFGPCIFIYTRPDTSFSIDK.5.y9.1	780.586	5	1009.48	100
ALSTcSAHFMVVALFFGPCIFIYTRPDTSFSIDK.5.y9.2	780.586	5	505.245	49
ALSTcSAHFMVVALFFGPCIFIYTRPDTSFSIDK.5.y8.1	780.586	5	912.431	44

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
- 1⁺ 2⁺ 3⁺
- 1⁺ 2⁺ 3⁺
- 1⁺ 2⁺ 3⁺
- 1⁺ 2⁺ 3⁺
- 1⁺ 2⁺ 3⁺

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

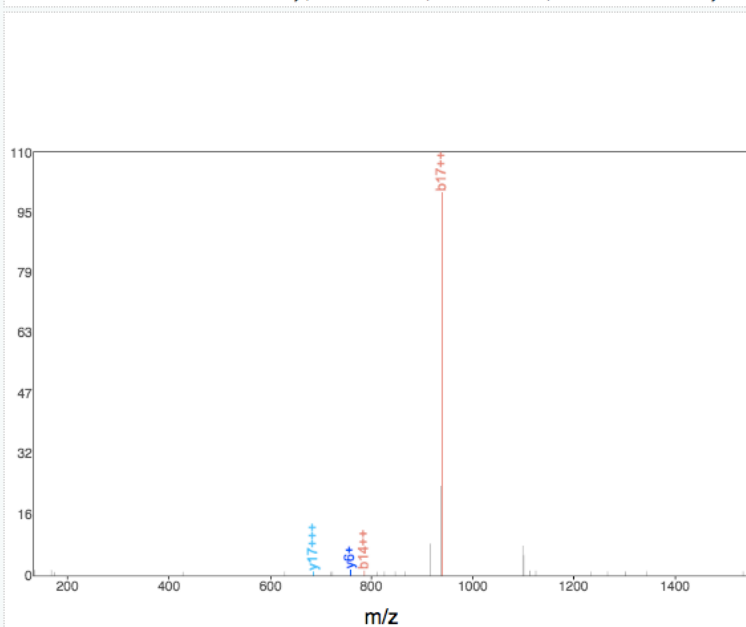
- Mono Avg

Mass Tolerance: 0.05 Da

Peak Assignment:

- Most Intense
- Nearest Match
- Peak Labels:
 - Ion m/z
 - None

TISFGGCVVQIFFIHAVGGTEMVLLIAMAFDRYVAICPLHYLTIMNPQR, MH+ 5729.9330, m/z 955.8282
 Precursor m/z: 955.829, Charge: 6,
 Modifications: C7 : Carbamidomethyl; M22 : Oxidation; M28 : Oxidation; C37 : Carbamidomethyl



b+	b2+	b3+	Seq	y+	y2+	y3+
102.0550	51.5311	34.6898	1	T	50	
215.1390	108.0731	72.3845	2	I	49	5628.8853
302.1710	151.5892	101.3952	3	S	48	5515.8012
449.2395	225.1234	150.4180	4	F	47	5428.7692
506.2609	253.6341	169.4252	5	G	46	5281.7008
563.2824	282.1448	188.4323	6	G	45	5224.6793
723.3130	362.1602	241.7759	7	C	44	5167.6579
822.3815	411.6944	274.7987	8	V	43	5007.6272
921.4499	461.2286	307.8215	9	V	42	4908.5588
1049.5084	525.2579	350.5077	10	Q	41	4809.4904
1162.5925	581.7999	388.2024	11	I	40	4681.4318
1309.6609	655.3341	437.2252	12	F	39	4568.3477
1456.7293	728.8683	486.2480	13	F	38	4421.2793
1569.8134	785.4103	523.9427	14	I	37	4274.2109
1706.8723	853.9398	569.6290	15	H	36	4161.1269
1777.9094	889.4583	593.3080	16	A	35	4024.0679
1876.9778	938.9926	626.3308	17	V	34	3953.0308
1933.9993	967.5033	645.3380	18	G	33	3853.9624
1991.0208	996.0140	664.3451	19	G	32	3796.9409
2092.0684	1046.5379	698.0277	20	T	31	3739.9195
2221.1110	1111.0592	741.0419	21	E	30	3638.8718
2368.1464	1184.5769	790.0537	22	M	29	3509.8292
2467.2149	1234.1111	823.0765	23	V	28	3362.7938
2580.2989	1290.6531	860.7712	24	L	27	3263.7254
2693.3830	1347.1951	898.4658	25	L	26	3150.6413
2806.4670	1403.7372	936.1605	26	I	25	3037.5573
2877.5042	1439.2557	959.8396	27	A	24	2924.4732
3024.5396	1512.7734	1008.8514	28	M	23	2853.4361
3095.5767	1548.2920	1032.5304	29	A	22	2706.4007
3242.6451	1621.8262	1081.5532	30	F	21	2635.3636
3357.6720	1679.3397	1119.8955	31	D	20	2488.2952
3513.7731	1757.3902	1171.9292	32	R	19	2373.2682
3676.8365	1838.9219	1226.2837	33	Y	18	2217.1671
3775.9049	1888.4561	1259.3065	34	V	17	2054.1038
3846.9420	1923.9746	1282.9855	35	A	16	1955.0354
3960.0261	1980.5167	1320.6802	36	I	15	1883.9983
4120.0567	2060.5320	1374.0238	37	C	14	1770.9142
4248.1517	2124.5795	1416.7221	38	K	13	1610.8835
4345.2044	2173.1059	1449.0730	39	P	12	1482.7886
4458.2885	2229.6479	1486.7677	40	L	11	1385.7358
4595.3474	2298.1773	1532.4540	41	H	10	1272.6518
4758.4107	2379.7090	1586.8084	42	Y	9	1135.5928
4871.4948	2436.2510	1624.5031	43	L	8	972.5295
4972.5425	2486.7749	1658.1857	44	T	7	859.4454
5085.6265	2543.3169	1695.8804	45	I	6	758.3978
5216.6670	2608.8372	1739.5605	46	M	5	645.3137
5330.7100	2665.8586	1777.5748	47	N	4	514.2732
5427.7627	2714.3850	1809.9258	48	P	3	400.2303
5555.8213	2778.4143	1852.6120	49	Q	2	303.1775
			50	R	1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TISFGGcVVQIFFIHAVGGTEmVLLIAMAFDRYVAICPLHYLTIMNPQR.6.b17.2	955.828	6	938.993	100
TISFGGcVVQIFFIHAVGGTEmVLLIAMAFDRYVAICPLHYLTIMNPQR.6.y6.1	955.828	6	758.398	1
TISFGGcVVQIFFIHAVGGTEmVLLIAMAFDRYVAICPLHYLTIMNPQR.6.b14.2	955.828	6	785.41	1

MS/MS spectrum

Ions:

- 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

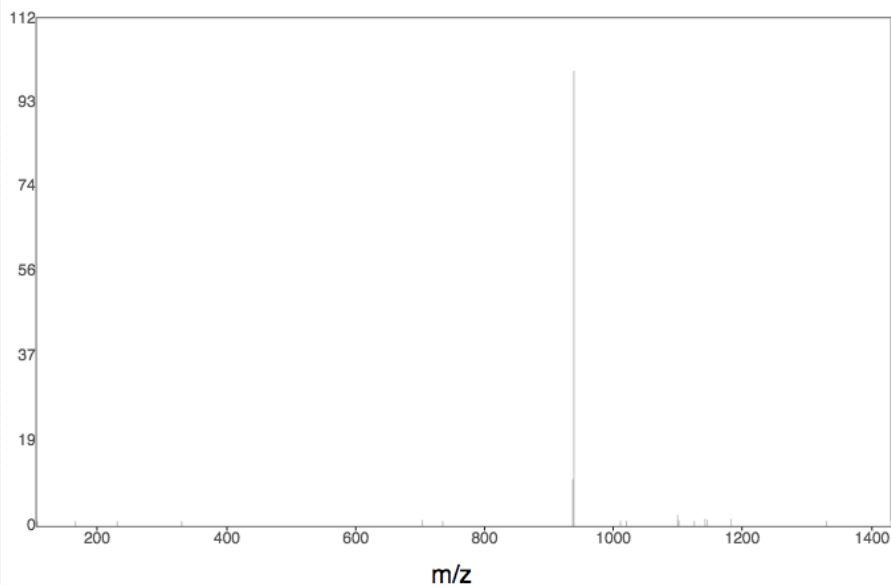
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



Click and drag in the plot to zoom X: Y: [Zoom Out](#) [Print](#) Enable tooltip

b+	b2+	b3+	Seq	y+	y2+	y3+
100.0757	50.5415	34.0301	1 V 49			
213.1598	107.0835	71.7248	2 I 48	5630.8506	2815.9290	1877.6217
300.1918	150.5995	100.7354	3 S 47	5517.7666	2759.3869	1839.9270
463.2551	232.1312	155.0899	4 Y 46	5430.7345	2715.8709	1810.9164
619.3562	310.1817	207.1236	5 R 45	5267.6712	2634.3392	1756.5619
676.3777	338.6925	226.1307	6 G 44	5111.5701	2556.2887	1704.5282
836.4083	418.7078	279.4743	7 C 43	5054.5486	2527.7780	1685.5211
949.4924	475.2498	317.1690	8 I 42	4894.5180	2447.7626	1632.1775
1050.5401	525.7737	350.8515	9 T 41	4781.4339	2391.2206	1594.4828
1178.5987	589.8030	393.5377	10 Q 40	4680.3863	2340.6968	1560.8003
1291.6827	646.3450	431.2324	11 L 39	4552.3277	2276.6675	1518.1141
1438.7511	719.8792	480.2552	12 F 38	4439.2436	2220.1254	1480.4194
1585.8195	793.4134	529.2780	13 F 37	4292.1752	2146.5912	1431.3966
1698.9036	849.9554	566.9727	14 L 36	4145.1068	2073.0570	1382.3738
1835.9625	918.4849	612.6590	15 H 35	4032.0227	2016.5150	1344.6791
1983.0309	992.0191	661.6818	16 F 34	3894.9638	1947.9855	1298.9928
2096.1150	1048.5611	699.3765	17 L 33	3747.8954	1874.4513	1249.9700
2153.1365	1077.0719	718.3837	18 G 32	3634.8113	1817.9093	1212.2753
2210.1579	1105.5826	737.3908	19 G 31	3577.7899	1789.3986	1193.2681
2267.1794	1134.0933	756.3980	20 G 30	3520.7684	1760.8878	1174.2610
2396.2220	1198.6146	799.4122	21 E 29	3463.7469	1732.3771	1155.2538
2453.2434	1227.1254	818.4193	22 G 28	3334.7043	1667.8558	1112.2396
2566.3275	1283.6674	856.1140	23 L 27	3277.6829	1639.3451	1093.2325
2679.4116	1340.2094	893.8087	24 L 26	3164.5988	1582.8030	1055.5378
2792.4956	1396.7515	931.5034	25 L 25	3051.5148	1526.2610	1017.8431
2891.5641	1446.2857	964.5262	26 V 24	2938.4307	1469.7190	980.1484
2990.6325	1495.8199	997.5490	27 V 23	2839.3623	1420.1848	947.1256
3137.6679	1569.3376	1046.5608	28 M 22	2740.2939	1370.6506	914.1028
3208.7050	1604.8561	1070.2398	29 A 21	2593.2585	1297.1329	865.0910
3355.7734	1678.3903	1119.2626	30 F 20	2522.2213	1261.6143	841.4120
3470.8003	1735.9038	1157.6050	31 D 19	2375.1529	1188.0801	792.3892
3626.9014	1813.9544	1209.6387	32 R 18	2260.1260	1130.5666	754.0468
3789.9648	1895.4860	1263.9931	33 Y 17	2104.0249	1052.5161	702.0131
3903.0488	1952.0281	1301.6878	34 I 16	1940.9616	970.9844	647.6587
3974.0860	1987.5466	1325.3668	35 A 15	1827.8775	914.4424	609.9640
4087.1700	2044.0886	1363.0615	36 I 14	1756.8404	878.9238	586.2850
4247.2007	2124.1040	1416.4051	37 C 13	1643.7563	822.3818	548.5903
4403.3018	2202.1545	1468.4388	38 R 12	1483.7257	742.3665	495.2467
4500.3545	2250.6809	1500.7897	39 P 11	1327.6246	664.3159	443.2130
4613.4386	2307.2229	1538.4844	40 L 10	1230.5718	615.7895	410.8621
4750.4975	2375.7524	1584.1707	41 H 9	1117.4877	559.2475	373.1674
4910.5282	2455.7677	1637.5142	42 C 8	980.4288	490.7180	327.4811
4997.5602	2499.2837	1666.5249	43 S 7	820.3982	410.7027	274.1376
5098.6079	2549.8076	1700.2075	44 T 6	733.3661	367.1867	245.1269
5197.6763	2599.3418	1733.2303	45 V 5	632.3185	316.6629	211.4443
5344.7117	2672.8595	1782.2421	46 M 4	533.2500	267.1287	178.4215
5458.7546	2729.8809	1820.2564	47 N 3	386.2146	193.6110	129.4097
5555.8074	2778.4073	1852.6073	48 P 2	272.1717	136.5895	91.3954
			49 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
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MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

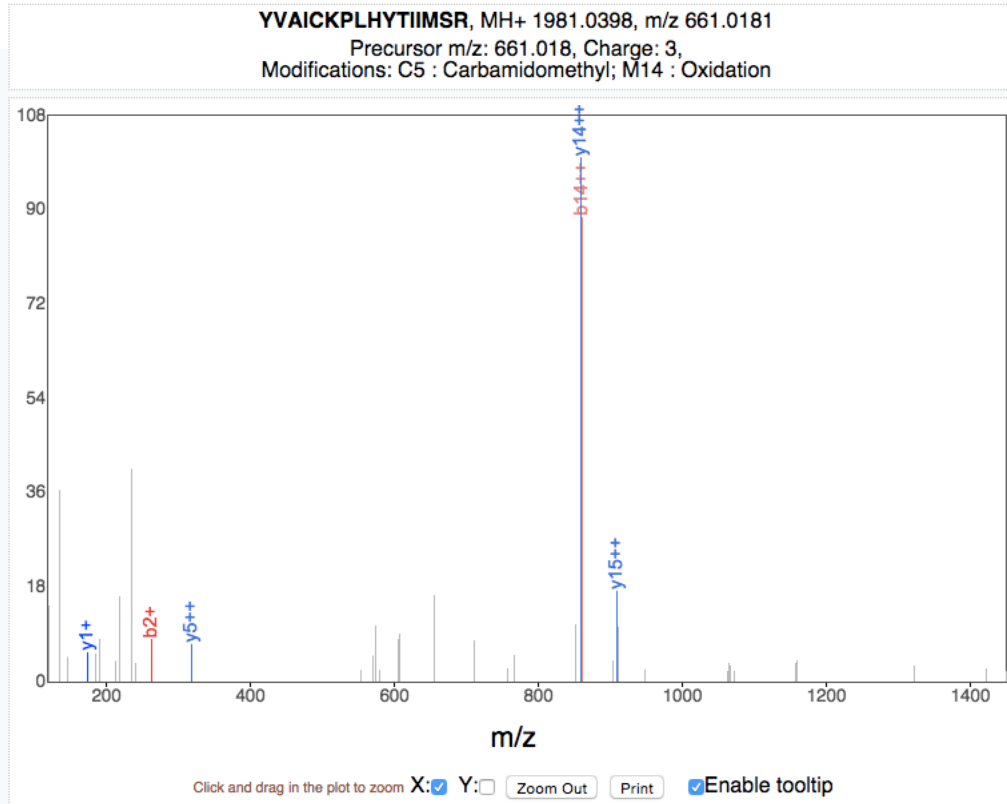
Mass Tolerance: Da

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
164.0706	82.5389	1 Y 16		
263.1390	132.0731	2 V 15	1817.9765	909.4919
334.1761	167.5917	3 A 14	1718.9080	859.9577
447.2602	224.1337	4 I 13	1647.8709	824.4391
607.2908	304.1491	5 C 12	1534.7869	767.8971
735.3858	368.1965	6 K 11	1374.7562	687.8817
832.4386	416.7229	7 P 10	1246.6613	623.8343
945.5226	473.2650	8 L 9	1149.6085	575.3079
1082.5815	541.7944	9 H 8	1036.5244	518.7659
1245.6449	623.3261	10 Y 7	899.4655	450.2364
1346.6926	673.8499	11 T 6	736.4022	368.7047
1459.7766	730.3919	12 I 5	635.3545	318.1809
1572.8607	786.9340	13 I 4	522.2704	261.6389
1719.8961	860.4517	14 M 3	409.1864	205.0968
1806.9281	903.9677	15 S 2	262.1510	131.5791
		16 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
YVAIcKPLHYTIImSR.3.y14.2	661.018	3	859.958	100
YVAIcKPLHYTIImSR.3.b14.2	661.018	3	860.452	88
YVAIcKPLHYTIImSR.3.y15.2	661.018	3	909.492	17
YVAIcKPLHYTIImSR.3.b2.1	661.018	3	263.139	8
YVAIcKPLHYTIImSR.3.y5.2	661.018	3	318.181	7
YVAIcKPLHYTIImSR.3.y1.1	661.018	3	175.119	5

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[Deselect All]

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

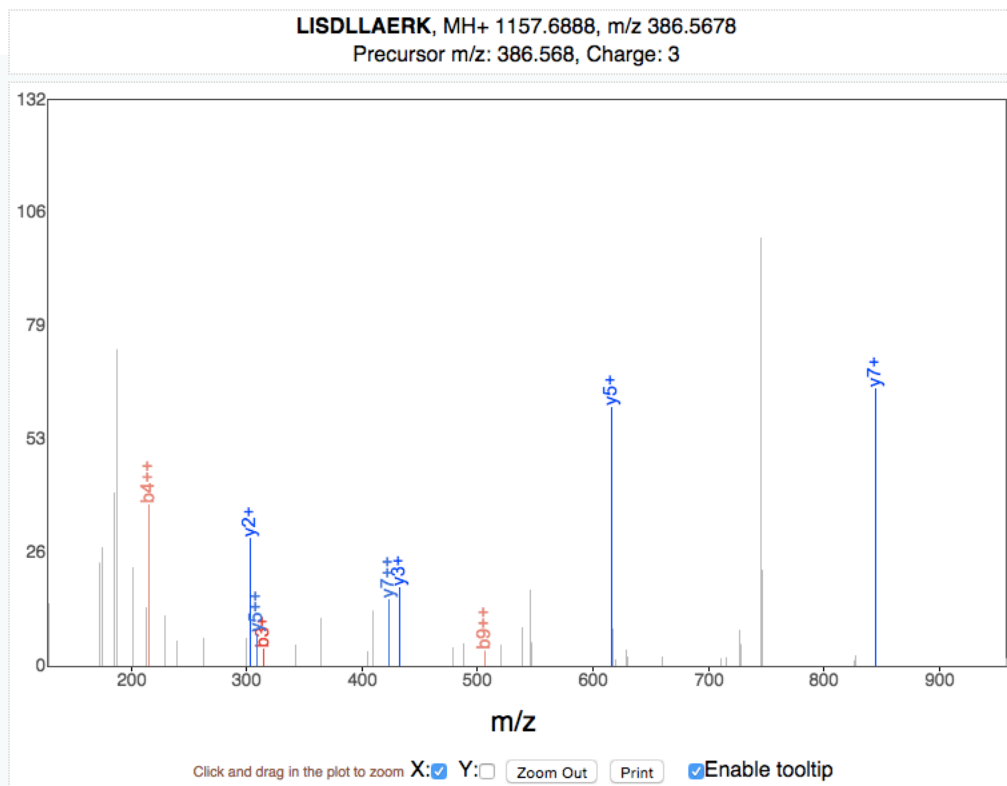
Update

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
114.0913	57.5493	1 L 10		
227.1754	114.0913	2 I 9	1044.6048	522.8060
314.2074	157.6074	3 S 8	931.5207	466.2640
429.2344	215.1208	4 D 7	844.4887	422.7480
542.3184	271.6629	5 L 6	729.4617	365.2345
655.4025	328.2049	6 L 5	616.3777	308.6925
726.4396	363.7234	7 A 4	503.2936	252.1504
855.4822	428.2447	8 E 3	432.2565	216.6319
1011.5833	506.2953	9 R 2	303.2139	152.1106
		10 K 1	147.1128	74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
LISDLLAERK.3.y7.1	400.571	3	844.489	100
LISDLLAERK.3.y5.1	400.571	3	616.378	93
LISDLLAERK.3.y2.1	400.571	3	303.214	45
LISDLLAERK.3.y3.1	400.571	3	432.257	28
LISDLLAERK.3.y7.2	400.571	3	422.748	23
LISDLLAERK.3.y5.2	400.571	3	308.692	11

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

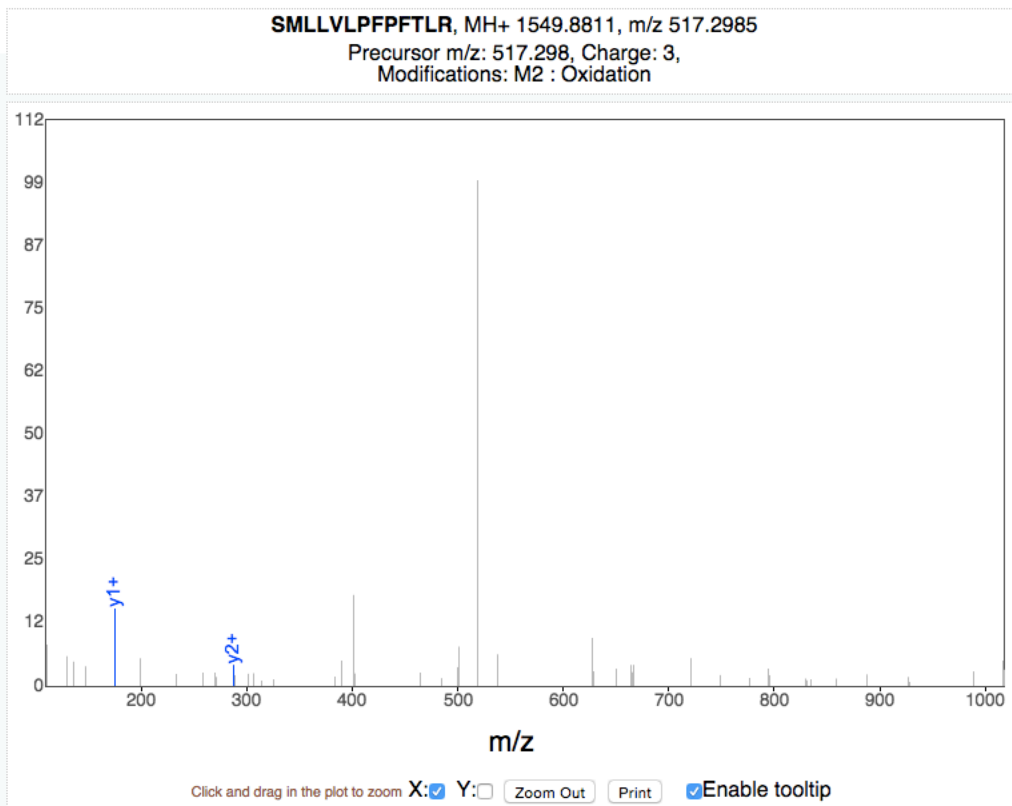
Mass Tolerance: 0.05 Da

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
88.0393	44.5233	1 S 13		
235.0747	118.0410	2 M 12	1462.8491	731.9282
348.1588	174.5830	3 L 11	1315.8137	658.4105
461.2428	231.1251	4 L 10	1202.7296	601.8684
560.3112	280.6593	5 V 9	1089.6455	545.3264
673.3953	337.2013	6 L 8	990.5771	495.7922
770.4481	385.7277	7 P 7	877.4930	439.2502
917.5165	459.2619	8 F 6	780.4403	390.7238
1014.5693	507.7883	9 P 5	633.3719	317.1896
1161.6377	581.3225	10 F 4	536.3191	268.6632
1262.6853	631.8463	11 T 3	389.2507	195.1290
1375.7694	688.3883	12 L 2	288.2030	144.6051
		13 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SmLLVLPFPFTLR.3.y1.1	517.299	3	175.119	100
SmLLVLPFPFTLR.3.y2.1	517.299	3	288.203	26

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

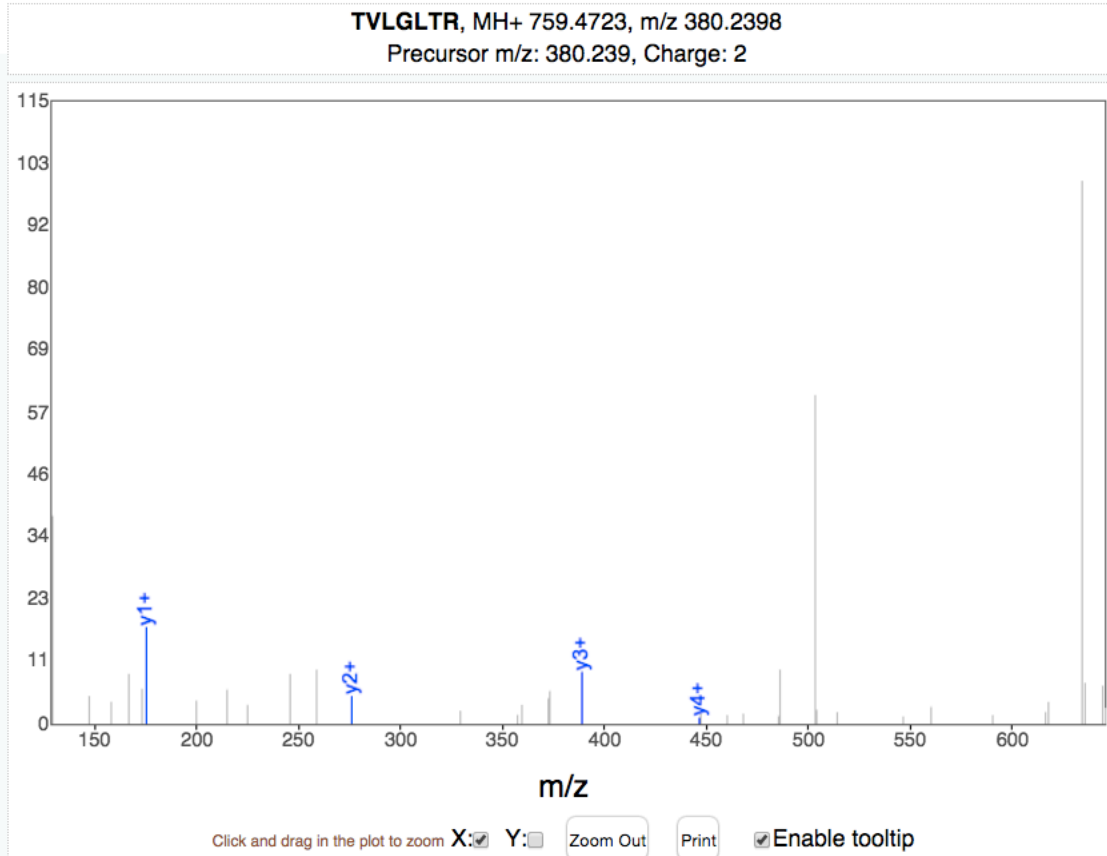
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
102.0550	1 T 7	
201.1234	2 V 6	658.4246
314.2074	3 L 5	559.3562
371.2289	4 G 4	446.2722
484.3130	5 L 3	389.2507
585.3606	6 T 2	276.1666
	7 R 1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TVLGLTR.2.y1.1	401.245	2	175.119	100
TVLGLTR.2.y3.1	401.245	2	389.251	53
TVLGLTR.2.y2.1	401.245	2	276.167	28
TVLGLTR.2.y4.1	401.245	2	446.272	6

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

[Update](#)

Peak Assignment:

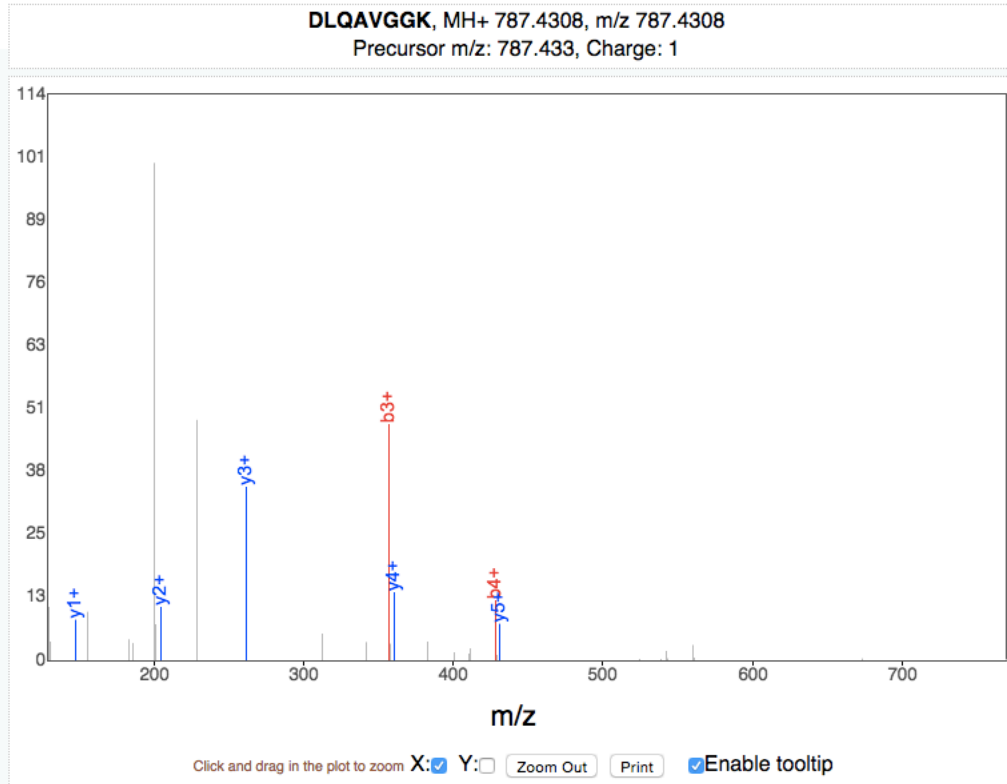
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
116.0342	1 D 8	
229.1183	2 L 7	672.4039
357.1769	3 Q 6	559.3198
428.2140	4 A 5	431.2613
527.2824	5 V 4	360.2241
584.3039	6 G 3	261.1557
641.3253	7 G 2	204.1343
	8 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
DLQAVGGK.1.b3.2	829.441	1	200.097	100
DLQAVGGK.1.y3.1	829.441	1	261.156	34
DLQAVGGK.1.y4.1	829.441	1	360.224	13
DLQAVGGK.1.y2.1	829.441	1	204.134	10
DLQAVGGK.1.y1.1	829.441	1	147.113	8
DLQAVGGK.1.y5.1	829.441	1	431.261	7
DLQAVGGK.1.b7.2	829.441	1	342.172	3

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

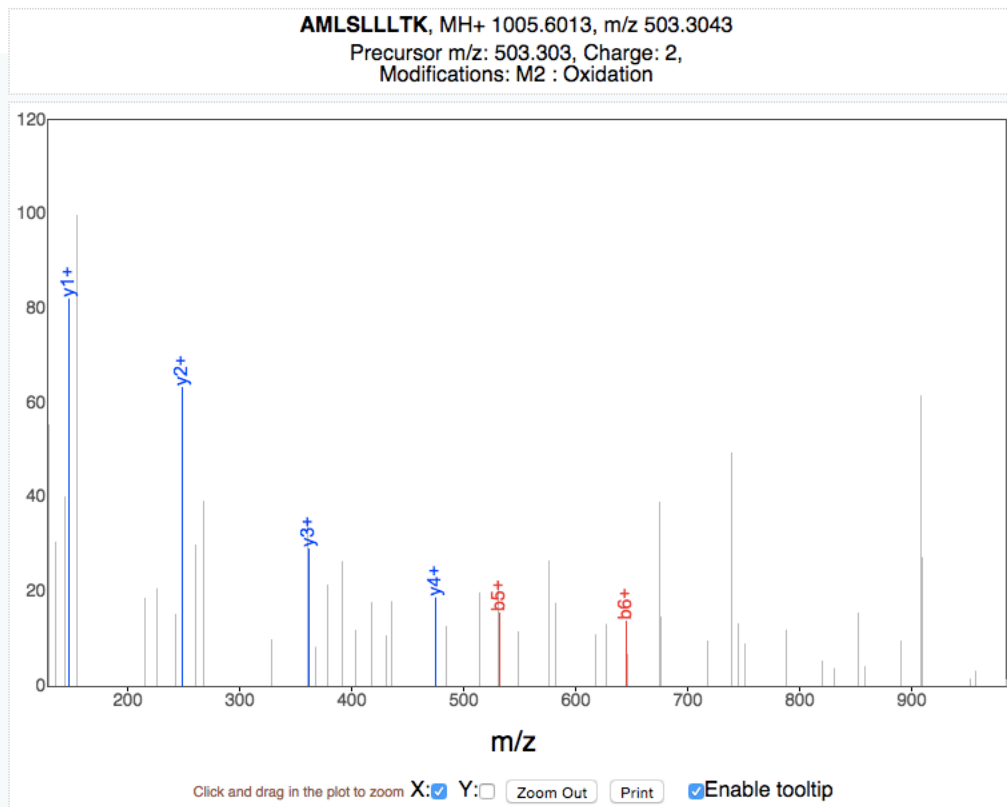
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
72.0444	1 A 9	
219.0798	2 M 8	934.5642
332.1639	3 L 7	787.5288
419.1959	4 S 6	674.4447
532.2799	5 L 5	587.4127
645.3640	6 L 4	474.3286
758.4481	7 L 3	361.2445
859.4958	8 T 2	248.1605
	9 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AmLSLLTK.2.y1.1	503.304	2	147.113	100
AmLSLLTK.2.y2.1	503.304	2	248.16	77
AmLSLLTK.2.y3.1	503.304	2	361.245	35
AmLSLLTK.2.y4.1	503.304	2	474.329	22
AmLSLLTK.2.b5.1	503.304	2	532.28	18
AmLSLLTK.2.b6.1	503.304	2	645.364	16

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[Deselect All](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: Da

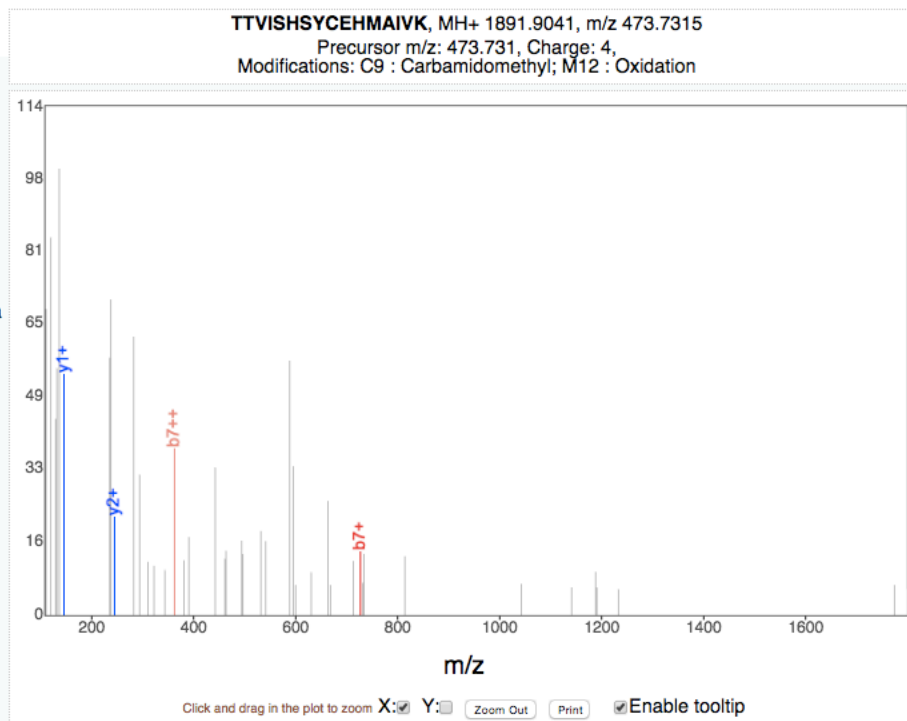
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
102.0550	51.5311	34.6898	1 T	16		
203.1026	102.0550	68.3724	2 T	15	1790.8564	895.9318 597.6237
302.1710	151.5892	101.3952	3 V	14	1689.8087	845.4080 563.9411
415.2551	208.1312	139.0899	4 I	13	1590.7403	795.8738 530.9183
502.2871	251.6472	168.1006	5 S	12	1477.6562	739.3318 493.2236
639.3461	320.1767	213.7869	6 H	11	1390.6242	695.8157 464.2129
726.3781	363.6927	242.7975	7 S	10	1253.5653	627.2863 418.5266
889.4414	445.2243	297.1520	8 Y	9	1166.5333	583.7703 389.5159
1049.4721	525.2397	350.4955	9 C	8	1003.4699	502.2386 335.1615
1178.5146	589.7610	393.5097	10 E	7	843.4393	422.2233 281.8180
1315.5736	658.2904	439.1960	11 H	6	714.3967	357.7020 238.8038
1462.6090	731.8081	488.2078	12 M	5	577.3378	289.1725 193.1174
1533.6461	767.3267	511.8869	13 A	4	430.3024	215.6548 144.1056
1646.7301	823.8687	549.5816	14 I	3	359.2653	180.1363 120.4266
1745.7986	873.4029	582.6044	15 V	2	246.1812	123.5942 82.7319
			16 K	1	147.1128	74.0600 49.7091

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TTVISHSYcEHmAIVK.4.y1.1	473.732	4	147.113	100
TTVISHSYcEHmAIVK.4.b7.2	473.732	4	363.693	69
TTVISHSYcEHmAIVK.4.y2.1	473.732	4	246.181	40
TTVISHSYcEHmAIVK.4.b7.1	473.732	4	726.378	26

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

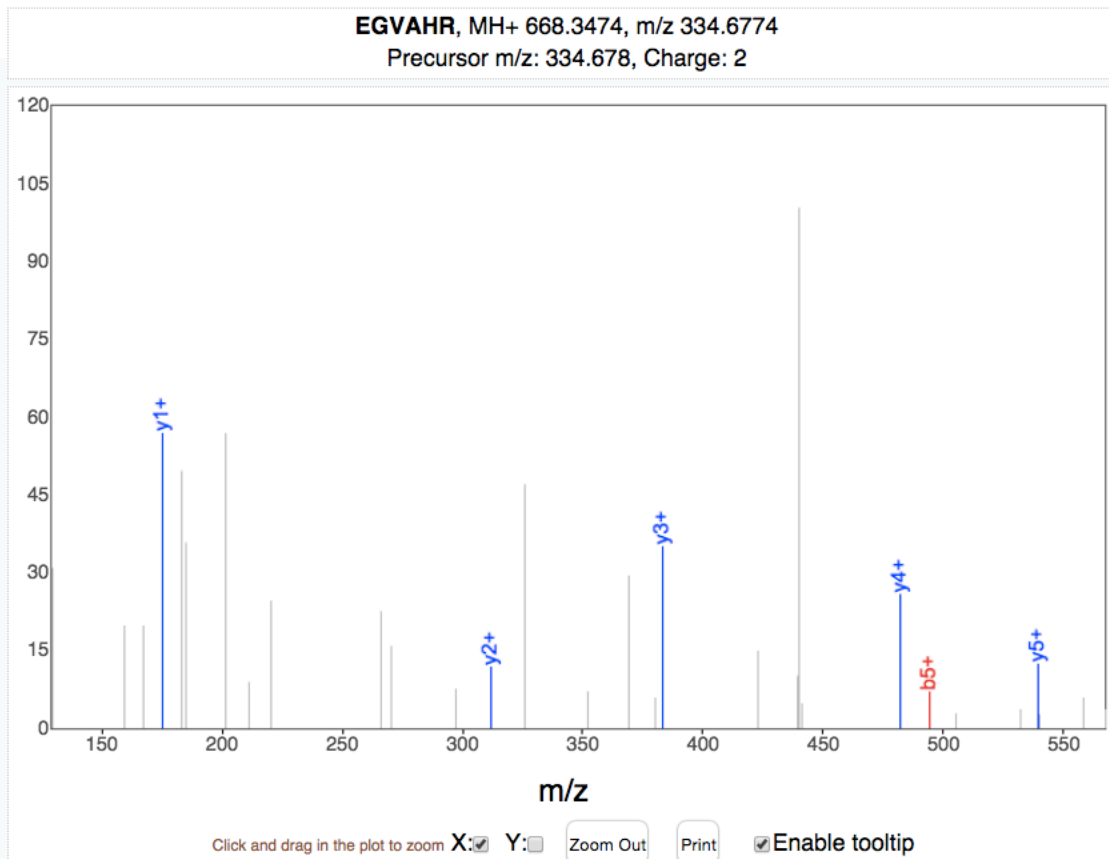
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
130.0499	1 E 6	
187.0713	2 G 5	539.3049
286.1397	3 V 4	482.2834
357.1769	4 A 3	383.2150
494.2358	5 H 2	312.1779
6 R 1		175.1190

SRM transitions

Transition ID

Precursor m/z

Precursor charge

Fragment m/z

Relative intensity

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

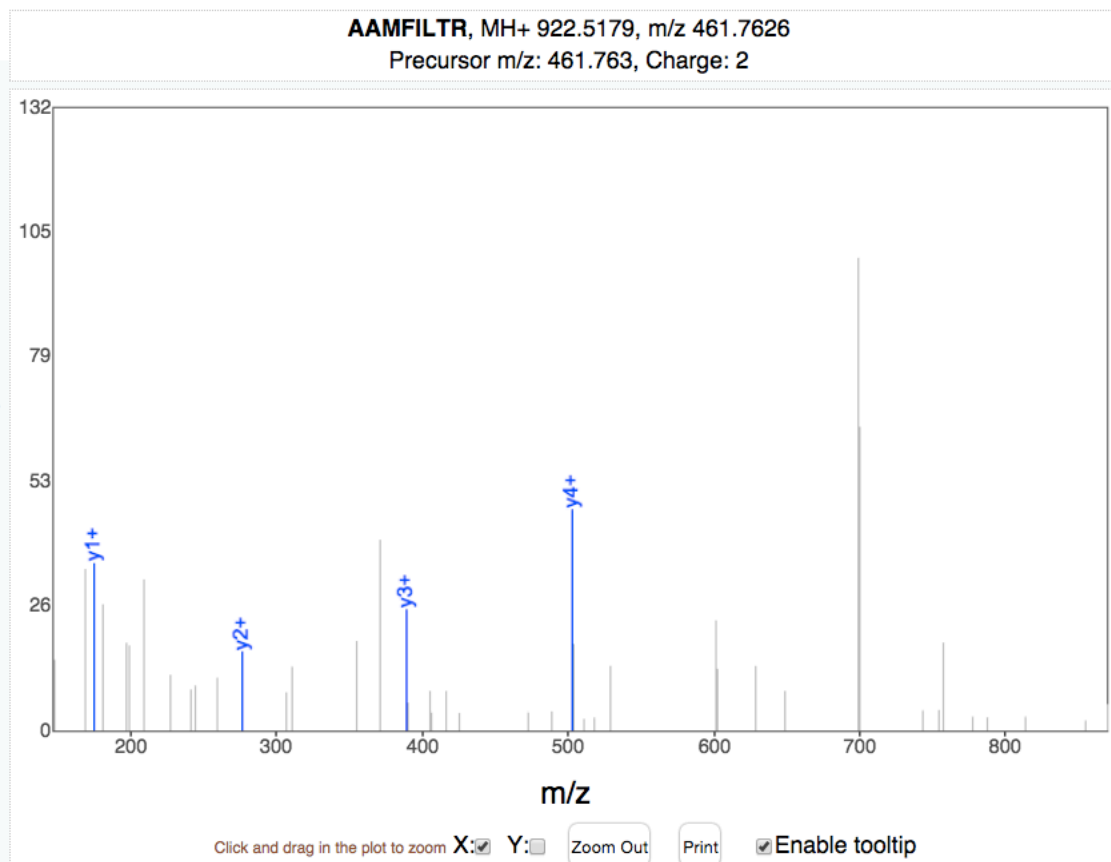
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
72.0444	1 A 8	
143.0815	2 A 7	851.4808
274.1220	3 M 6	780.4437
421.1904	4 F 5	649.4032
534.2745	5 I 4	502.3348
647.3585	6 L 3	389.2507
748.4062	7 T 2	276.1666
8 R 1		175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AAMFILTR.2.y4.1	482.768	2	502.335	100
AAMFILTR.2.y1.1	482.768	2	175.119	75
AAMFILTR.2.y3.1	482.768	2	389.251	54
AAMFILTR.2.y2.1	482.768	2	276.167	35

MS/MS spectrum

Ions:

- 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

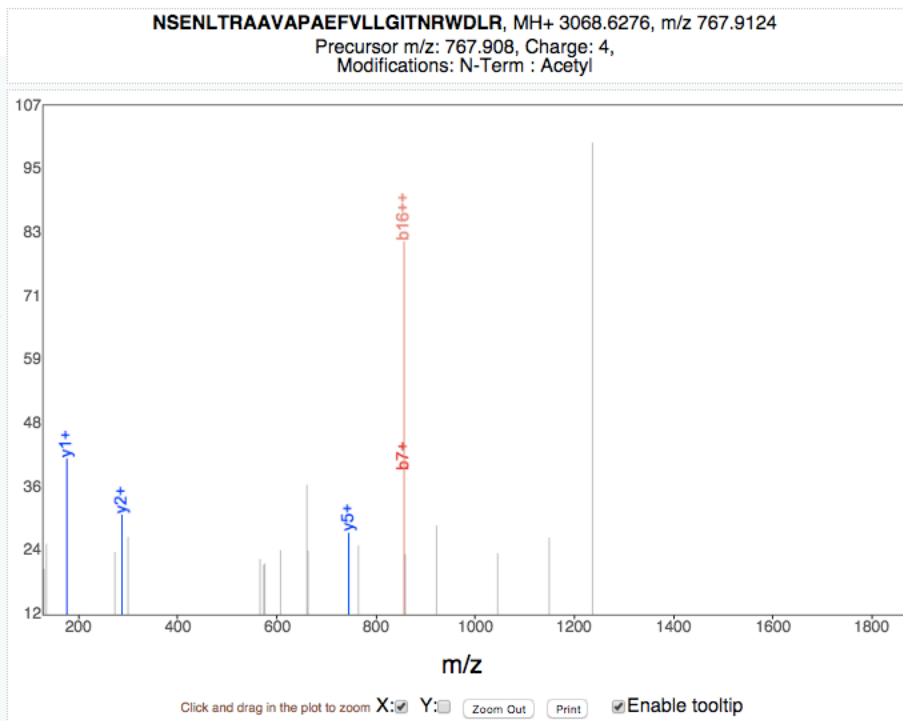
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
157.0608	79.0340	53.0251	1 N 27			
244.0928	122.5500	82.0358	2 S 26	2912.5741	1456.7907	971.5296
373.1354	187.0713	125.0500	3 E 25	2825.5421	1413.2747	942.5189
487.1783	244.0928	163.0643	4 N 24	2696.4995	1348.7534	899.5047
600.2624	300.6348	200.7590	5 L 23	2582.4566	1291.7319	861.4904
701.3101	351.1587	234.4415	6 T 22	2469.3725	1235.1899	823.7957
857.4112	429.2092	286.4752	7 R 21	2368.3248	1184.6660	790.1131
928.4483	464.7278	310.1543	8 A 20	2212.2237	1106.6155	738.0794
999.4854	500.2463	333.8333	9 A 19	2141.1866	1071.0969	714.4004
1098.5538	549.7805	366.8561	10 V 18	2070.1495	1035.5784	690.7213
1169.5909	585.2991	390.5352	11 A 17	1971.0811	986.0442	657.6985
1266.6437	633.8255	422.8861	12 P 16	1900.0439	950.5256	634.0195
1337.6808	669.3440	446.5651	13 A 15	1802.9912	901.9992	601.6686
1466.7234	733.8653	489.5793	14 E 14	1731.9541	866.4807	577.9895
1613.7918	807.3995	538.6021	15 F 13	1602.9115	801.9594	534.9753
1712.8602	856.9338	571.6249	16 V 12	1455.8431	728.4252	485.9525
1825.9443	913.4758	609.3196	17 L 11	1356.7746	678.8910	452.9297
1939.0284	970.0178	647.0143	18 L 10	1243.6906	622.3489	415.2350
1996.0498	998.5285	666.0215	19 G 9	1130.6065	565.8069	377.5404
2109.1339	1055.0706	703.7161	20 I 8	1073.5851	537.2962	358.5332
2210.1816	1105.5944	737.3987	21 T 7	960.5010	480.7541	320.8385
2324.2245	1162.6159	775.4130	22 N 6	859.4533	430.2303	287.1560
2480.3256	1240.6664	827.4467	23 R 5	745.4104	373.2088	249.1416
2666.4049	1333.7061	889.4732	24 W 4	589.3093	295.1583	197.1079
2781.4319	1391.2196	927.8155	25 D 3	403.2300	202.1186	135.0815
2894.5159	1447.7616	965.5102	26 L 2	288.2030	144.6051	96.7392
			27 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
nSENLTRAAVAPAEFVLLGITNRWDLR.4.b16.2	767.912	4	856.934	100
nSENLTRAAVAPAEFVLLGITNRWDLR.4.y1.1	767.912	4	175.119	50
nSENLTRAAVAPAEFVLLGITNRWDLR.4.b7.1	767.912	4	857.411	47
nSENLTRAAVAPAEFVLLGITNRWDLR.4.y2.1	767.912	4	288.203	37
nSENLTRAAVAPAEFVLLGITNRWDLR.4.y5.1	767.912	4	745.41	33

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

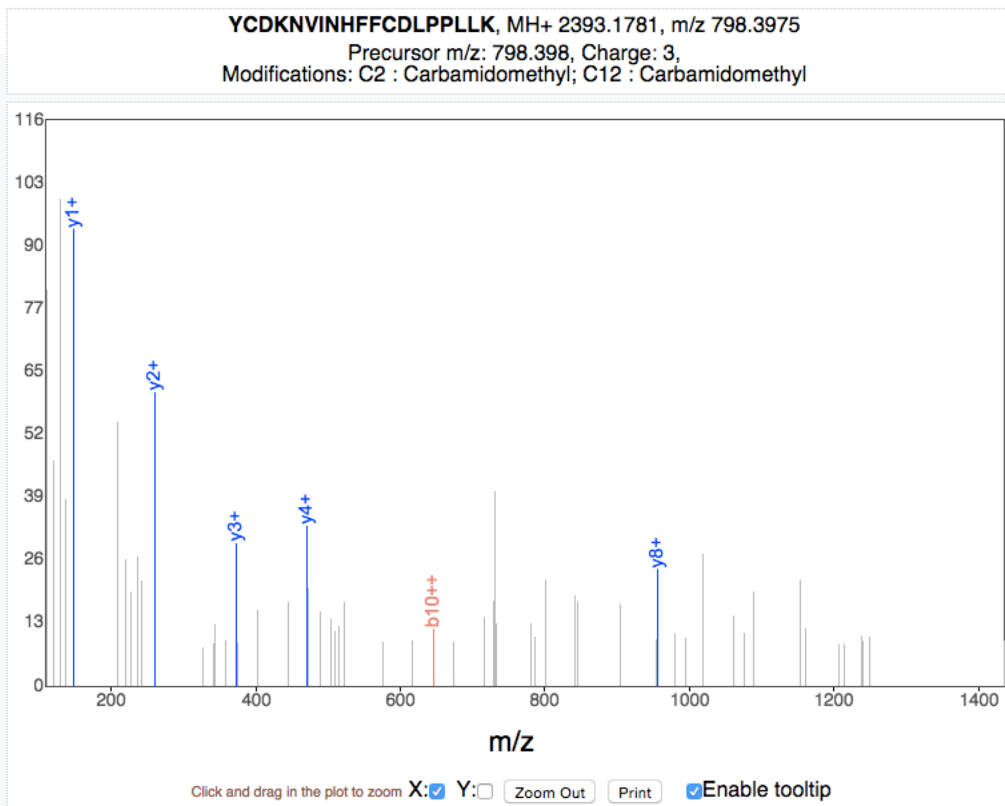
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
164.0706	82.5389	1 Y 19		
324.1013	162.5543	2 C 18	2230.1147	1115.5617
439.1282	220.0677	3 D 17	2070.0841	1035.5457
567.2232	284.1152	4 K 16	1955.0572	978.0322
681.2661	341.1367	5 N 15	1826.9622	913.9847
780.3345	390.6709	6 V 14	1712.9193	856.9633
893.4186	447.2129	7 I 13	1613.8508	807.4291
1007.4615	504.2344	8 N 12	1500.7668	750.8870
1144.5204	572.7638	9 H 11	1386.7239	693.8656
1291.5888	646.2980	10 F 10	1249.6649	625.3361
1438.6572	719.8323	11 F 9	1102.5965	551.8019
1598.6879	799.8476	12 C 8	955.5281	478.2677
1713.7148	857.3610	13 D 7	795.4975	398.2524
1826.7989	913.9031	14 L 6	680.4705	340.7389
1923.8517	962.4295	15 P 5	567.3865	284.1969
2020.9044	1010.9558	16 P 4	470.3337	235.6705
2133.9885	1067.4979	17 L 3	373.2809	187.1441
2247.0725	1124.0399	18 L 2	260.1969	130.6021
		19 K 1	147.1128	74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
YcDKNVINHFFcDLPPLLK.3.y1.1	798.398	3	147.113	100
YcDKNVINHFFcDLPPLLK.3.y2.1	798.398	3	260.197	64
YcDKNVINHFFcDLPPLLK.3.y4.1	798.398	3	470.334	35
YcDKNVINHFFcDLPPLLK.3.y3.1	798.398	3	373.281	31
YcDKNVINHFFcDLPPLLK.3.y8.1	798.398	3	955.528	25
YcDKNVINHFFcDLPPLLK.3.b10.2	798.398	3	646.298	12

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

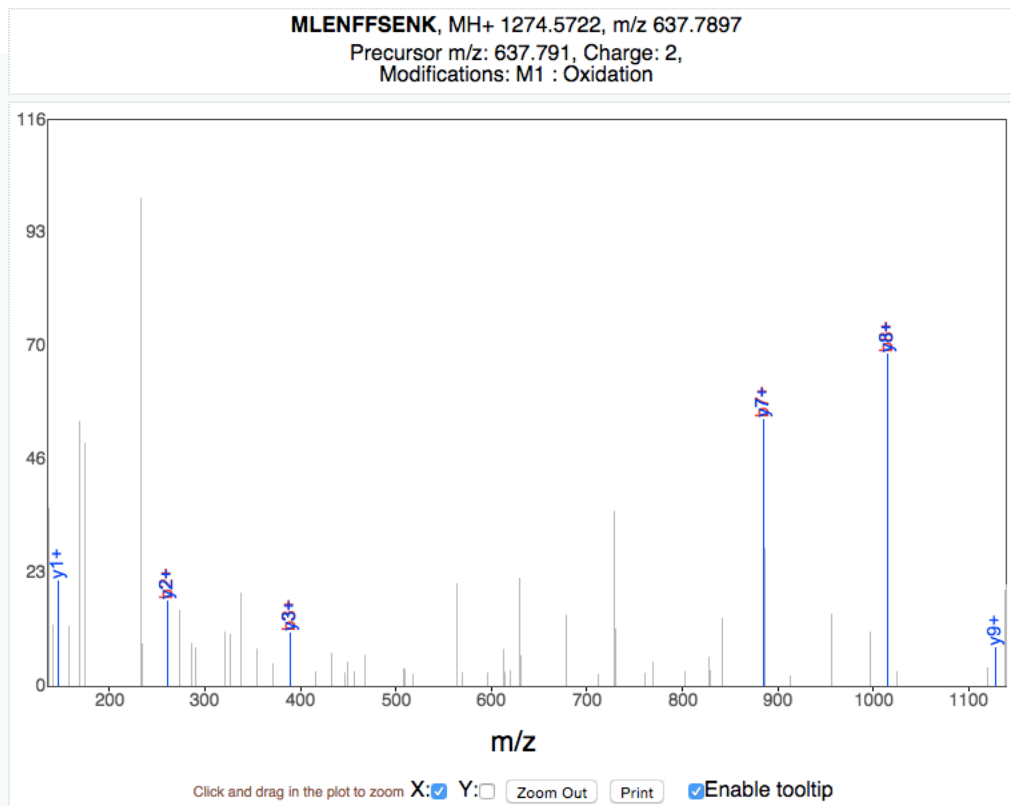
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
148.0427	1 M 10	
261.1267	2 L 9	1127.5368
390.1693	3 E 8	1014.4527
504.2123	4 N 7	885.4101
651.2807	5 F 6	771.3672
798.3491	6 F 5	624.2988
885.3811	7 S 4	477.2304
1014.4237	8 E 3	390.1983
1128.4666	9 N 2	261.1557
	10 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
mLENFFSENK.2.b8.1	637.79	2	1014.42	100
mLENFFSENK.2.y8.1	637.79	2	1014.45	100
mLENFFSENK.2.b7.1	637.79	2	885.381	80
mLENFFSENK.2.y7.1	637.79	2	885.41	80
mLENFFSENK.2.y1.1	637.79	2	147.113	31
mLENFFSENK.2.b2.1	637.79	2	261.127	25
mLENFFSENK.2.y2.1	637.79	2	261.156	25

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

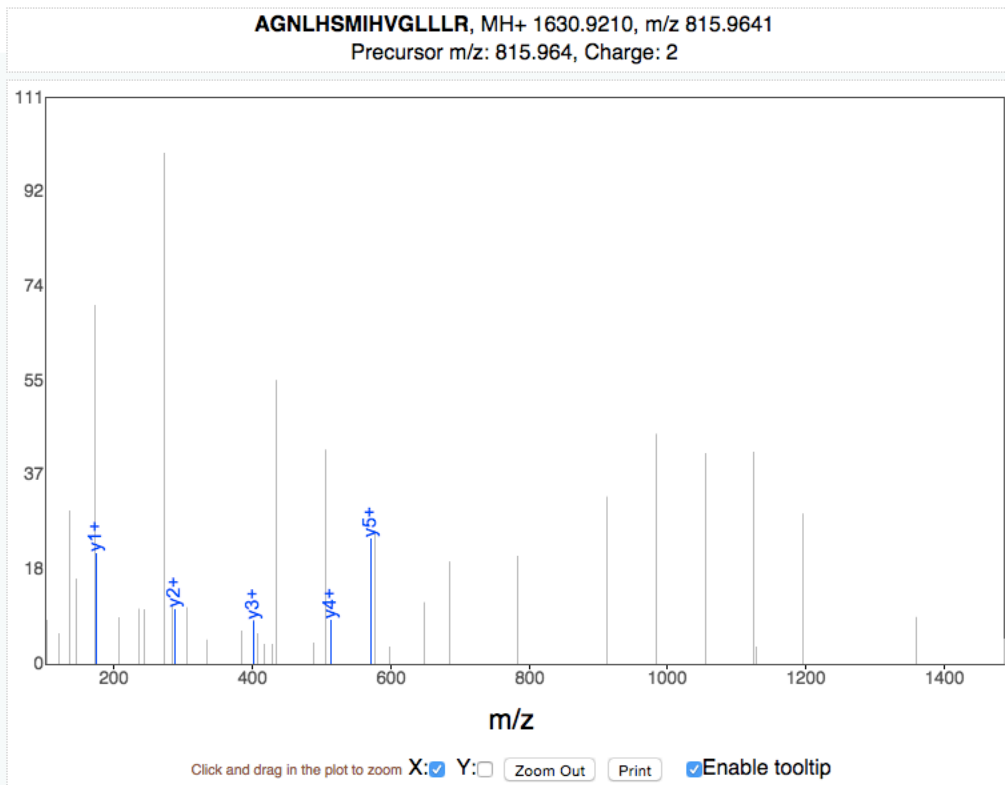
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
72.0444	1 A 15	
129.0659	2 G 14	1559.8839
243.1088	3 N 13	1502.8624
356.1928	4 L 12	1388.8195
493.2518	5 H 11	1275.7354
580.2838	6 S 10	1138.6765
711.3243	7 M 9	1051.6445
824.4083	8 I 8	920.6040
961.4672	9 H 7	807.5199
1060.5357	10 V 6	670.4610
1117.5571	11 G 5	571.3926
1230.6412	12 L 4	514.3711
1343.7253	13 L 3	401.2871
1456.8093	14 L 2	288.2030
	15 R 1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AGNLHSMIHVGLLLR.2.y5.1	836.969	2	571.393	100
AGNLHSMIHVGLLLR.2.y1.1	836.969	2	175.119	88
AGNLHSMIHVGLLLR.2.y2.1	836.969	2	288.203	43
AGNLHSMIHVGLLLR.2.y4.1	836.969	2	514.371	34
AGNLHSMIHVGLLLR.2.y3.1	836.969	2	401.287	34

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

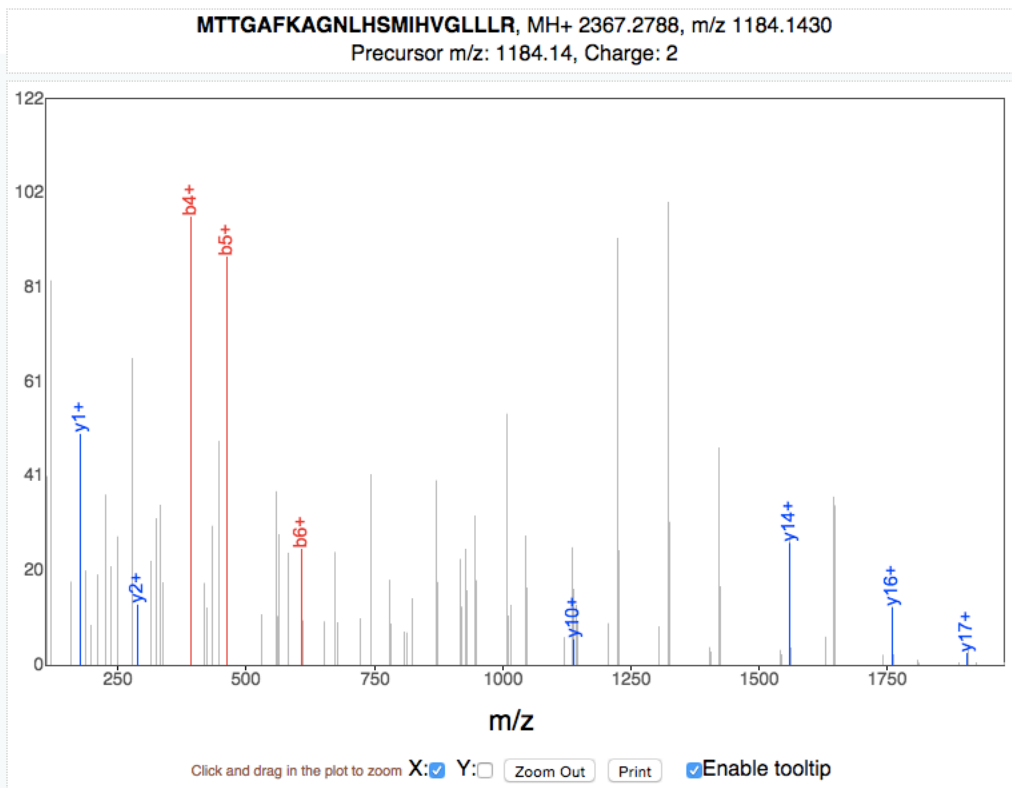
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
132.0478	1 M 22	
233.0954	2 T 21 2236.2383	
334.1431	3 T 20 2135.1906	
391.1646	4 G 19 2034.1429	
462.2017	5 A 18 1977.1215	
609.2701	6 F 17 1906.0844	
737.3651	7 K 16 1759.0160	
808.4022	8 A 15 1630.9210	
865.4236	9 G 14 1559.8839	
979.4666	10 N 13 1502.8624	
1092.5506	11 L 12 1388.8195	
1229.6096	12 H 11 1275.7354	
1316.6416	13 S 10 1138.6765	
1447.6821	14 M 9 1051.6445	
1560.7661	15 I 8 920.6040	
1697.8250	16 H 7 807.5199	
1796.8935	17 V 6 670.4610	
1853.9149	18 G 5 571.3926	
1966.9990	19 L 4 514.3711	
2080.0830	20 L 3 401.2871	
2193.1671	21 L 2 288.2030	
	22 R 1 175.1190	

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
MTTGAFKAGNLHSMIHVGLLLR.2.y1.1	1205.15	2	175.119	100
MTTGAFKAGNLHSMIHVGLLLR.2.y14.1	1205.15	2	1559.88	52
MTTGAFKAGNLHSMIHVGLLLR.2.y14.2	1205.15	2	780.446	35
MTTGAFKAGNLHSMIHVGLLLR.2.y2.1	1205.15	2	288.203	26
MTTGAFKAGNLHSMIHVGLLLR.2.y16.1	1205.15	2	1759.02	24
MTTGAFKAGNLHSMIHVGLLLR.2.b6.1	1205.15	2	651.281	18
MTTGAFKAGNLHSMIHVGLLLR.2.y10.1	1205.15	2	1138.68	11

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

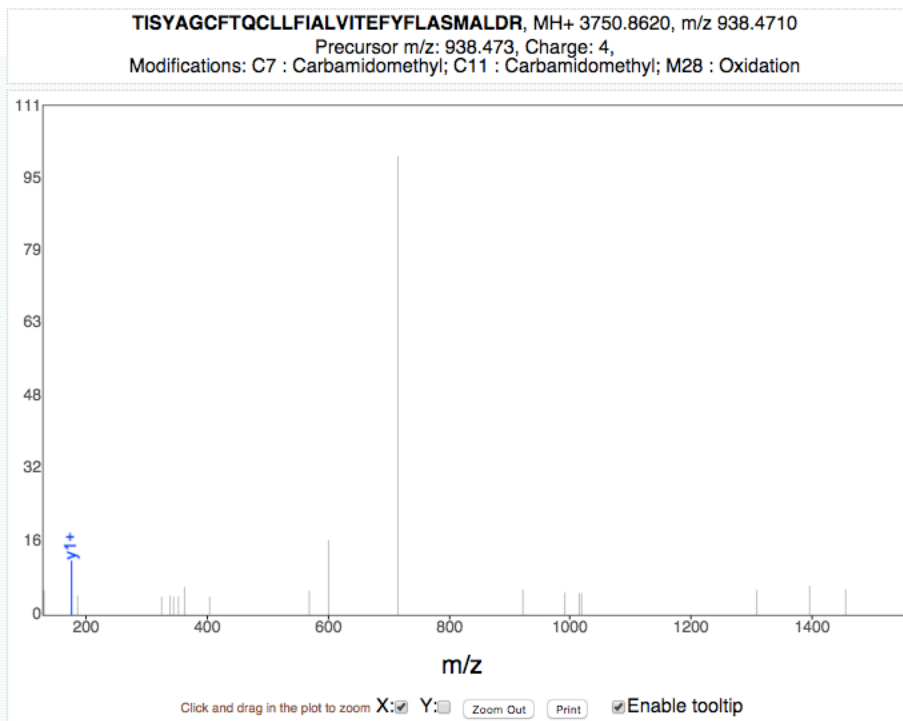
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



b+	b2+	b3+	Seq	y+	y2+	y3+
102.0550	51.5311	34.6898	1 T 32			
215.1390	108.0731	72.3845	2 I 31	3649.8143	1825.4108	1217.2763
302.1710	151.5892	101.3952	3 S 30	3536.7303	1768.8688	1179.5816
465.2344	233.1208	155.7496	4 Y 29	3449.6982	1725.3528	1150.5709
536.2715	268.6394	179.4287	5 A 28	3286.6349	1643.8211	1096.2165
593.2930	297.1501	198.4358	6 G 27	3215.5978	1608.3025	1072.5375
753.3236	377.1654	251.7794	7 C 26	3158.5763	1579.7918	1053.5303
900.3920	450.6996	300.8022	8 F 25	2998.5457	1499.7765	1000.1867
1001.4397	501.2235	334.4847	9 T 24	2851.4773	1426.2423	951.1639
1129.4983	565.2528	377.1709	10 Q 23	2750.4296	1375.7184	917.4814
1289.5289	645.2681	430.5145	11 C 22	2622.3710	1311.6891	874.7952
1402.6130	701.8101	468.2092	12 L 21	2462.3404	1231.6738	821.4516
1515.6970	758.3522	505.9039	13 L 20	2349.2563	1175.1318	783.7570
1662.7655	831.8864	554.9267	14 F 19	2236.1722	1118.5898	746.0623
1775.8495	888.4284	592.6214	15 I 18	2089.1038	1045.0556	697.0395
1846.8866	923.9470	616.3004	16 A 17	1976.0198	988.5135	659.3448
1959.9707	980.4890	653.9951	17 L 16	1904.9826	952.9950	635.6657
2059.0391	1030.0232	687.0179	18 V 15	1791.8986	896.4529	597.9710
2172.1232	1086.5652	724.7126	19 I 14	1692.8302	846.9187	564.9482
2273.1709	1137.0891	758.3951	20 T 13	1579.7461	790.3767	527.2536
2402.2135	1201.6104	801.4093	21 E 12	1478.6984	739.8529	493.5710
2549.2819	1275.1446	850.4321	22 F 11	1349.6558	675.3316	450.5568
2712.3452	1356.6762	904.7866	23 Y 10	1202.5874	601.7973	401.5340
2859.4136	1430.2104	953.8094	24 F 9	1039.5241	520.2657	347.1795
2972.4977	1486.7525	991.5041	25 L 8	892.4557	446.7315	298.1567
3043.5348	1522.2710	1015.1831	26 A 7	779.3716	390.1894	260.4621
3130.5668	1565.7870	1044.1938	27 S 6	708.3345	354.6709	236.7830
3277.6022	1639.3047	1093.2056	28 M 5	621.3025	311.1549	207.7723
3348.6393	1674.8233	1116.8846	29 A 4	474.2671	237.6372	158.7605
3461.7234	1731.3653	1154.5793	30 L 3	403.2300	202.1186	135.0815
3576.7503	1788.8788	1192.9216	31 D 2	290.1459	145.5766	97.3868
			32 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TISYAGcFTQcLLFIAlVITEFYFLASmALDR.4.y1.1	938.471	4	175.119	100

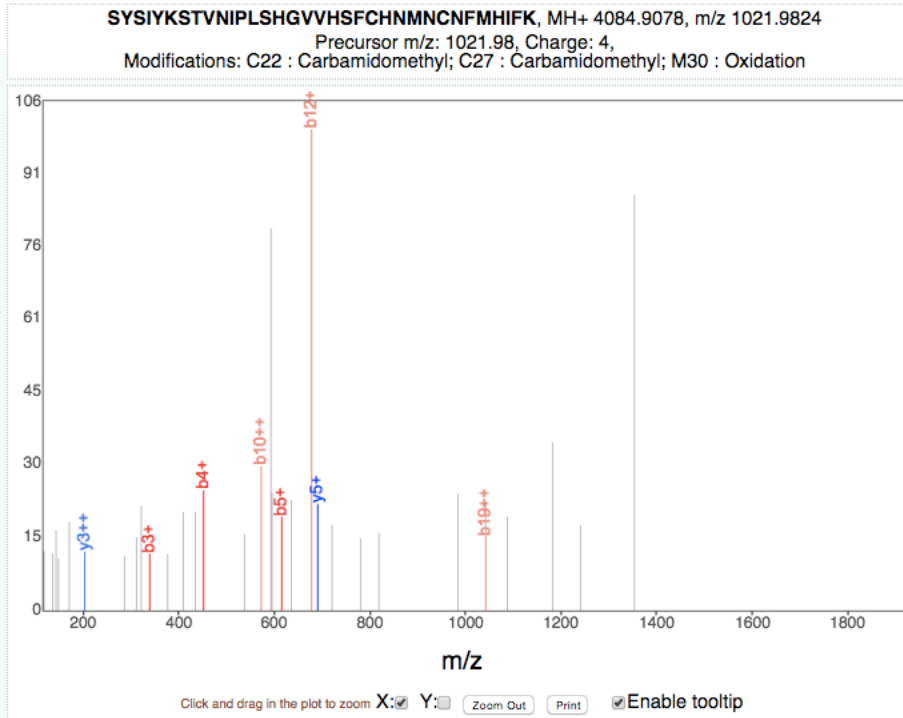
MS/MS spectrum

- 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+

- Neutral Loss:
- H₂O (o)
 - NH₃ (*)
- Mass Type:
- Mono Avg

Mass Tolerance: 0.05 Da

- Update
- Peak Assignment:
- Most Intense
 - Nearest Match
- Peak Labels:
- Ion m/z
 - None



b+	b2+	b3+	Seq	y+	y2+	y3+
88.0393	44.5233	30.0180	1 S 34			
251.1026	126.0550	84.3724	2 Y 33	3997.8757	1999.4415	1333.2968
338.1347	169.5710	113.3831	3 S 32	3834.8124	1917.9098	1278.9423
451.2187	226.1130	151.0778	4 I 31	3747.7804	1874.3938	1249.9316
614.2821	307.6447	205.4322	5 Y 30	3634.6963	1817.8518	1212.2370
742.3770	371.6921	248.1305	6 K 29	3471.6330	1736.3201	1157.8825
829.4090	415.2082	277.1412	7 S 28	3343.5380	1672.2726	1115.1842
930.4567	465.7320	310.8238	8 T 27	3256.5060	1628.7566	1086.1735
1029.5251	515.2662	343.8466	9 V 26	3155.4583	1578.2328	1052.4910
1143.5681	572.2877	381.8609	10 N 25	3056.3899	1528.6986	1019.4681
1256.6521	628.8297	419.5556	11 I 24	2942.3470	1471.6771	981.4538
1353.7049	677.3561	451.9065	12 P 23	2829.2629	1415.1351	943.7591
1466.7890	733.8981	489.6012	13 L 22	2732.2101	1366.6087	911.4082
1553.8210	777.4141	518.6118	14 S 21	2619.1261	1310.0667	873.7135
1690.8799	845.9436	564.2981	15 H 20	2532.0940	1266.5507	844.7029
1747.9014	874.4543	583.3053	16 G 19	2395.0351	1198.0212	799.0166
1846.9698	923.9885	616.3281	17 V 18	2338.0137	1169.5105	780.0094
1946.0382	973.5227	649.3509	18 V 17	2238.9453	1119.9763	746.9866
2083.0971	1042.0522	695.0372	19 H 16	2139.8768	1070.4421	713.9638
2170.1291	1085.5682	724.0479	20 S 15	2002.8179	1001.9126	668.2775
2317.1975	1159.1024	773.0707	21 F 14	1915.7859	958.3966	639.2668
2477.2282	1239.1177	826.4142	22 C 13	1768.7175	884.8624	590.2440
2614.2871	1307.6472	872.1006	23 H 12	1608.6868	804.8471	536.9005
2728.3300	1364.6687	910.1149	24 N 11	1471.6279	736.3176	491.2142
2859.3705	1430.1889	953.7950	25 M 10	1357.5850	679.2961	453.1998
2973.4134	1487.2104	991.8093	26 N 9	1226.5445	613.7759	409.5197
3133.4441	1567.2257	1045.1529	27 C 8	1112.5016	556.7544	371.5054
3247.4870	1624.2471	1083.1672	28 N 7	952.4709	476.7391	318.1618
3394.5554	1697.7814	1132.1900	29 F 6	838.4280	419.7176	280.1475
3541.5908	1771.2991	1181.2018	30 M 5	691.3596	346.1834	231.1247
3678.6497	1839.8285	1226.8881	31 H 4	544.3242	272.6657	182.1129
3791.7338	1896.3705	1264.5828	32 I 3	407.2653	204.1363	136.4266
3938.8022	1969.9047	1313.6056	33 F 2	294.1812	147.5942	98.7319
			34 K 1	147.1128	74.0600	49.7091

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.b12.2	1021.98	4	677.356	100
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.b10.2	1021.98	4	572.288	29
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.b4.1	1021.98	4	451.219	24
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.y5.1	1021.98	4	691.36	22
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.b5.1	1021.98	4	614.282	19
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.b19.2	1021.98	4	1042.05	15
SYSIYKSTVNIPLSHGVVHSFCHNMNcNFmHIFK.4.y3.2	1021.98	4	204.136	12

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

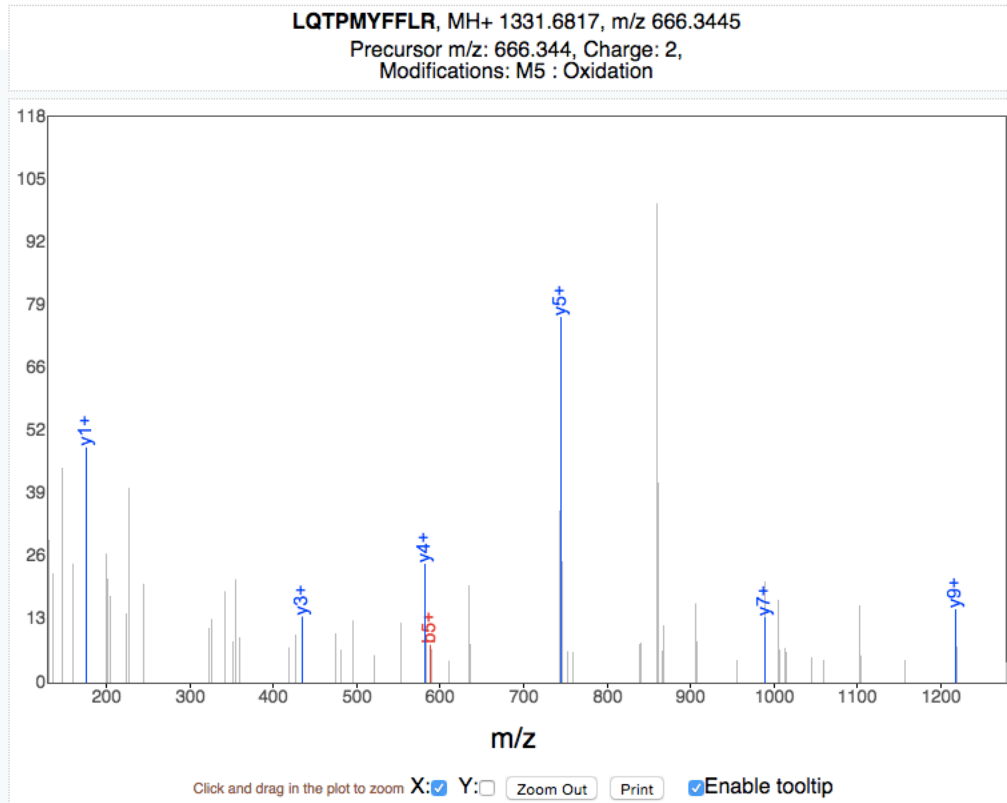
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
114.0913	1 L 10	
242.1499	2 Q 9	1218.5976
343.1976	3 T 8	1090.5390
440.2504	4 P 7	989.4913
587.2858	5 M 6	892.4386
750.3491	6 Y 5	745.4032
897.4175	7 F 4	582.3398
1044.4859	8 F 3	435.2714
1157.5700	9 L 2	288.2030
	10 R 1	175.1190

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
LQTPmYFFLR.2.y5.1	666.344	2	745.403	100
LQTPmYFFLR.2.y1.1	666.344	2	175.119	64
LQTPmYFFLR.2.y4.1	666.344	2	582.34	32
LQTPmYFFLR.2.y9.1	666.344	2	1218.6	19
LQTPmYFFLR.2.y3.1	666.344	2	435.271	17
LQTPmYFFLR.2.y7.1	666.344	2	989.491	17
LQTPmYFFLR.2.b5.1	666.344	2	587.286	10

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: Da

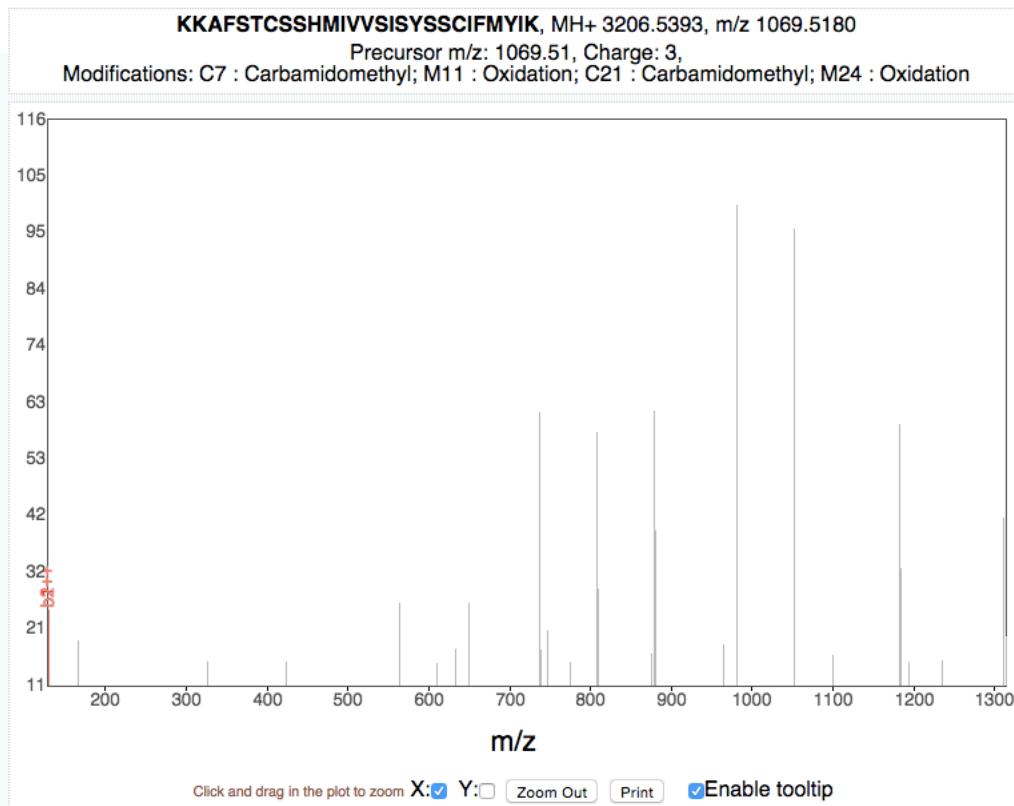
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
129.1022	65.0548	1 K 27		
257.1972	129.1022	2 K 26	3078.4443	1539.7258
328.2343	164.6208	3 A 25	2950.3494	1475.6783
475.3027	238.1550	4 F 24	2879.3123	1440.1598
562.3348	281.6710	5 S 23	2732.2438	1366.6256
663.3824	332.1949	6 T 22	2645.2118	1323.1095
823.4131	412.2102	7 C 21	2544.1641	1272.5857
910.4451	455.7262	8 S 20	2384.1335	1192.5704
997.4771	499.2422	9 S 19	2297.1015	1149.0544
1134.5361	567.7717	10 H 18	2210.0694	1105.5384
1281.5715	641.2894	11 M 17	2073.0105	1037.0089
1394.6555	697.8314	12 I 16	1925.9751	963.4912
1493.7239	747.3656	13 V 15	1812.8911	906.9492
1592.7923	796.8998	14 V 14	1713.8226	857.4150
1679.8244	840.4158	15 S 13	1614.7542	807.8808
1792.9084	896.9579	16 I 12	1527.7222	764.3647
1879.9405	940.4739	17 S 11	1414.6381	707.8227
2043.0038	1022.0055	18 Y 10	1327.6061	664.3067
2130.0358	1065.5215	19 S 9	1164.5428	582.7750
2217.0679	1109.0376	20 S 8	1077.5108	539.2590
2377.0985	1189.0529	21 C 7	990.4787	495.7430
2490.1826	1245.5949	22 I 6	830.4481	415.7277
2637.2510	1319.1291	23 F 5	717.3640	359.1856
2784.2864	1392.6468	24 M 4	570.2956	285.6514
2947.3497	1474.1785	25 Y 3	423.2602	212.1337
3060.4338	1530.7205	26 I 2	260.1969	130.6021
		27 K 1	147.1128	74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
KKAFSTcSSHmIVVSISYSScIFmYIK.3.b1.1	1069.52	3	129.102	100
KKAFSTcSSHmIVVSISYSScIFmYIK.3.b2.2	1069.52	3	129.102	100

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

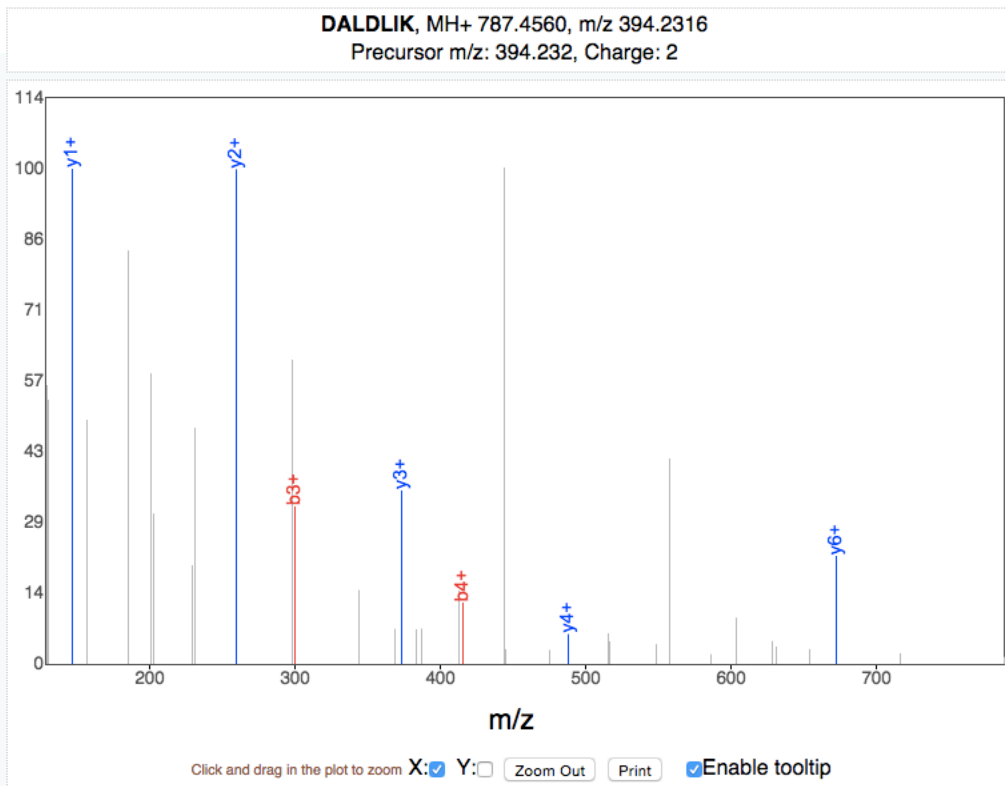
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
116.0342	1 D 7	
187.0713	2 A 6	672.4291
300.1554	3 L 5	601.3919
415.1823	4 D 4	488.3079
528.2664	5 L 3	373.2809
641.3505	6 I 2	260.1969
	7 K 1	147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
DALDLIK.2.y1.1	415.237	2	147.113	100
DALDLIK.2.y2.1	415.237	2	260.197	99
DALDLIK.2.y3.1	415.237	2	373.281	34
DALDLIK.2.y6.1	415.237	2	672.429	21
DALDLIK.2.b2.1	415.237	2	229.082	19
DALDLIK.2.b4.2	415.237	2	229.1	19
DALDLIK.2.y4.1	415.237	2	488.308	5

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: Da

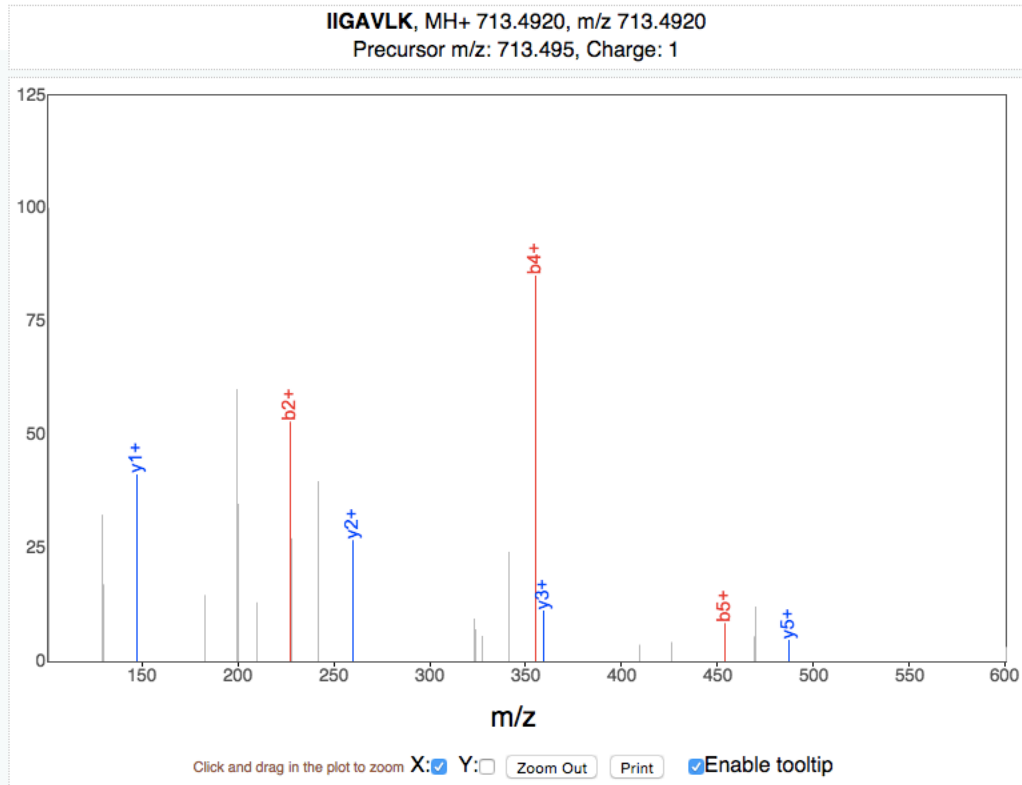
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	Seq	y+
114.0913	1	I 7
227.1754	2	I 6 600.4079
284.1969	3	G 5 487.3239
355.2340	4	A 4 430.3024
454.3024	5	V 3 359.2653
567.3865	6	L 2 260.1969
	7	K 1 147.1128

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
IIGAVLK.1.y1.1	755.503	1	147.113	100
IIGAVLK.1.y2.1	755.503	1	260.197	64
IIGAVLK.1.y3.1	755.503	1	359.265	26
IIGAVLK.1.y5.1	755.503	1	487.324	10
IIGAVLK.1.y6.1	755.503	1	600.408	7

MS/MS spectrum

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+

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

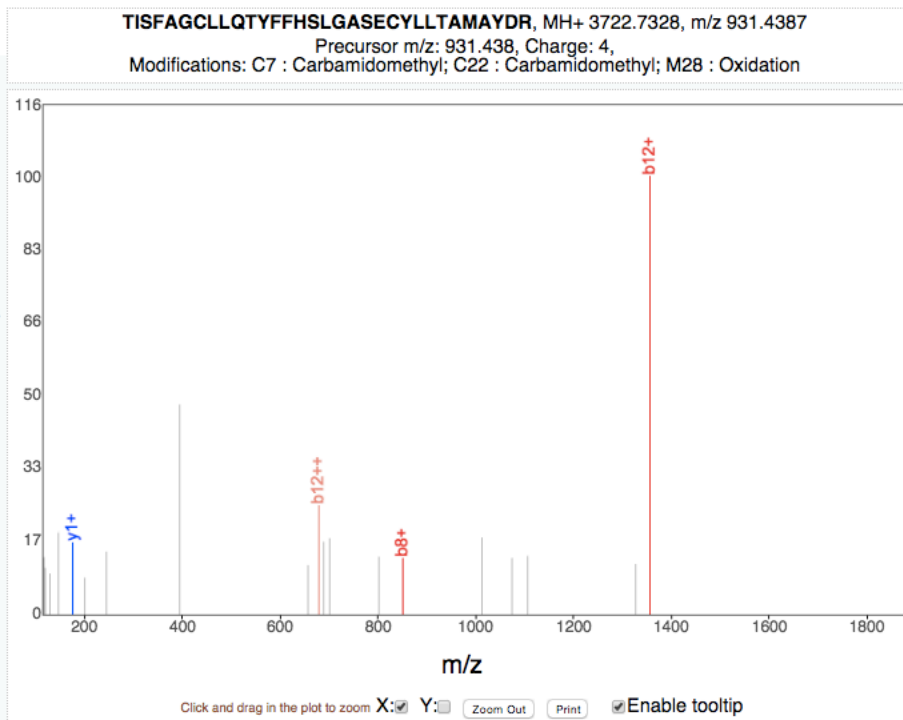
- Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

- Most Intense
 - Nearest Match
- Peak Labels:
- Ion m/z
 - None



b+	b2+	b3+	Seq	y+	y2+	y3+
102.0550	51.5311	34.6898	1 T 32			
215.1390	108.0731	72.3845	2 I 31	3621.6851	1811.3462	1207.8999
302.1710	151.5892	101.3952	3 S 30	3508.6010	1754.8042	1170.2052
449.2395	225.1234	150.4180	4 F 29	3421.5690	1711.2881	1141.1945
520.2766	260.6419	174.0970	5 A 28	3274.5006	1637.7539	1092.1717
577.2980	289.1527	193.1042	6 G 27	3203.4635	1602.2354	1068.4927
737.3287	369.1680	246.4477	7 C 26	3146.4420	1573.7247	1049.4855
850.4128	425.7100	284.1424	8 L 25	2986.4114	1493.7093	996.1420
963.4968	482.2520	321.8371	9 L 24	2873.3273	1437.1673	958.4473
1091.5554	546.2813	364.5233	10 Q 23	2760.2433	1380.6253	920.7526
1192.6031	596.8052	398.2059	11 T 22	2632.1847	1316.5960	878.0664
1355.6664	678.3368	452.5603	12 Y 21	2531.1370	1266.0721	844.3838
1502.7348	751.8710	501.5831	13 F 20	2368.0737	1184.5405	790.0294
1649.8032	825.4053	550.6059	14 F 19	2221.0053	1111.0063	741.0066
1786.8621	893.9347	596.2922	15 H 18	2073.9368	1037.4721	691.9838
1873.8942	937.4507	625.3029	16 S 17	1936.8779	968.9426	646.2975
1986.9782	993.9928	662.9976	17 L 16	1849.8459	925.4266	617.2868
2043.9997	1022.5035	682.0047	18 G 15	1736.7618	868.8846	579.5921
2115.0368	1058.0220	705.6838	19 A 14	1679.7404	840.3738	560.5850
2202.0688	1101.5381	734.6945	20 S 13	1608.7033	804.8553	536.9059
2331.1114	1166.0594	777.7087	21 E 12	1521.6712	761.3393	507.8953
2491.1421	1246.0747	831.0522	22 C 11	1392.6286	696.8180	464.8811
2654.2054	1327.6063	885.4067	23 Y 10	1232.5980	616.8026	411.5375
2767.2895	1384.1484	923.1013	24 L 9	1069.5347	535.2710	357.1831
2880.3735	1440.6904	960.7960	25 L 8	956.4506	478.7289	319.4884
2981.4212	1491.2142	994.4786	26 T 7	843.3665	422.1869	281.7937
3052.4583	1526.7328	1018.1576	27 A 6	742.3189	371.6631	248.1111
3199.4937	1600.2505	1067.1694	28 M 5	671.2817	336.1445	224.4321
3270.5308	1635.7691	1090.8485	29 A 4	524.2463	262.6268	175.4203
3433.5942	1717.3007	1145.2029	30 Y 3	453.2092	227.1082	151.7413
3548.6211	1774.8142	1183.5452	31 D 2	290.1459	145.5766	97.3868
			32 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TISFAGcLLQTYFFHSLGASEcYLLTAmAYDR.4.b12.1	931.439	4	1355.67	100
TISFAGcLLQTYFFHSLGASEcYLLTAmAYDR.4.b12.2	931.439	4	678.337	24
TISFAGcLLQTYFFHSLGASEcYLLTAmAYDR.4.y1.1	931.439	4	175.119	16
TISFAGcLLQTYFFHSLGASEcYLLTAmAYDR.4.b8.1	931.439	4	850.413	12

MS/MS spectrum

Ions:

- 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+
 1+ 2+ 3+

[Deselect All](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

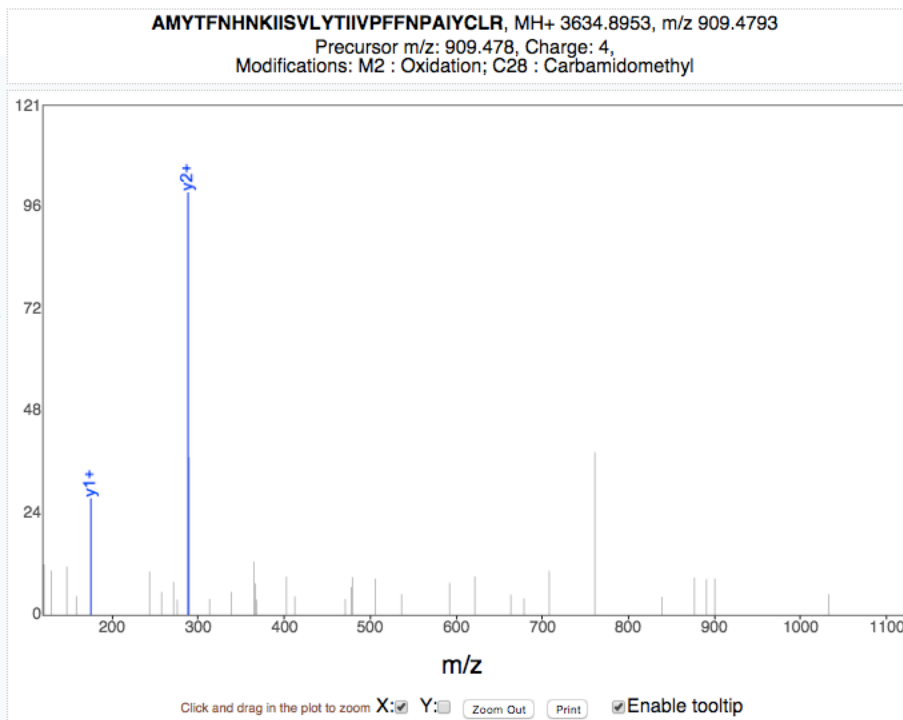
[Update](#)

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	b3+	Seq	y+	y2+	y3+
72.0444	36.5258	24.6863	1 A 30			
219.0798	110.0435	73.6981	2 M 29	3563.8582	1782.4327	1188.6242
382.1431	191.5752	128.0526	3 Y 28	3416.8228	1708.9150	1139.6124
483.1908	242.0990	161.7351	4 T 27	3253.7595	1627.3834	1085.2580
630.2592	315.6332	210.7579	5 F 26	3152.7118	1576.8595	1051.5754
744.3021	372.6547	248.7722	6 N 25	3005.6434	1503.3253	1002.5526
881.3610	441.1842	294.4585	7 H 24	2891.6004	1446.3039	964.5383
995.4040	498.2056	332.4728	8 N 23	2754.5415	1377.7744	918.8520
1123.4989	562.2531	375.1712	9 K 22	2640.4986	1320.7529	880.8377
1236.5830	618.7951	412.8659	10 I 21	2512.4036	1256.7055	838.1394
1349.6671	675.3372	450.5605	11 I 20	2399.3196	1200.1634	800.4447
1436.6991	718.8532	479.5712	12 S 19	2286.2355	1143.6214	762.7500
1535.7675	768.3874	512.5940	13 V 18	2199.2035	1100.1054	733.7393
1648.8516	824.9294	550.2887	14 L 17	2100.1351	1050.5712	700.7165
1811.9149	906.4611	604.6432	15 Y 16	1987.0510	994.0291	663.0219
1912.9626	956.9849	638.3257	16 T 15	1823.9877	912.4975	608.6674
2026.0466	1013.5270	676.0204	17 I 14	1722.9400	861.9736	574.9848
2139.1307	1070.0690	713.7151	18 I 13	1609.8559	805.4316	537.2902
2238.1991	1119.6032	746.7379	19 V 12	1496.7719	748.8896	499.5955
2335.2519	1168.1296	779.0888	20 P 11	1397.7035	699.3554	466.5727
2482.3203	1241.6638	828.1116	21 F 10	1300.6507	650.8290	434.2217
2629.3887	1315.1980	877.1344	22 F 9	1153.5823	577.2948	385.1989
2743.4316	1372.2195	915.1487	23 N 8	1006.5139	503.7606	336.1761
2840.4844	1420.7458	947.4997	24 P 7	892.4709	446.7391	298.1618
2911.5215	1456.2644	971.1787	25 A 6	795.4182	398.2127	265.8109
3024.6056	1512.8064	1008.8734	26 I 5	724.3811	362.6942	242.1319
3187.6689	1594.3381	1063.2278	27 Y 4	611.2970	306.1521	204.4372
3347.6996	1674.3534	1116.5714	28 C 3	448.2337	224.6205	150.0827
3460.7836	1730.8955	1154.2661	29 L 2	288.2030	144.6051	96.7392
			30 R 1	175.1190	88.0631	59.0445

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
AmYTFNHNKIISVLYTIIVPFNPALYcLR.4.y2.1	909.479	4	288.203	100
AmYTFNHNKIISVLYTIIVPFNPALYcLR.4.y1.1	909.479	4	175.119	27

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: 0.05 Da

[Update](#)

Peak Assignment:

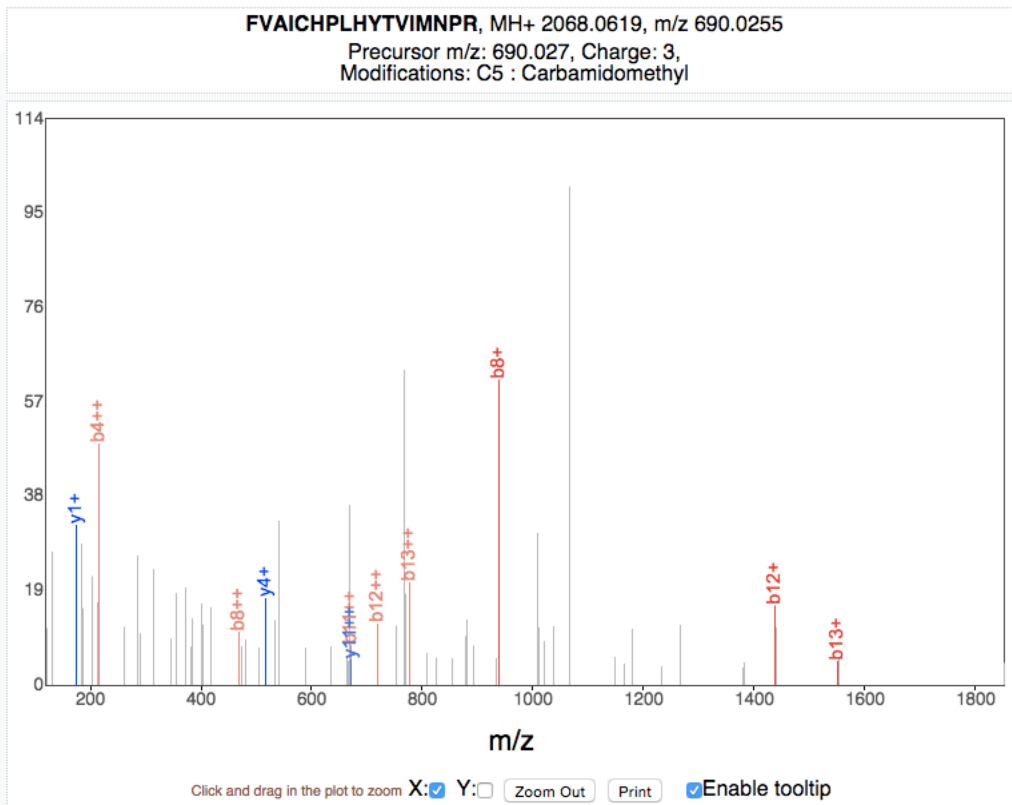
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	b2+	Seq	y+	y2+
148.0757	74.5415	1 F 17		
247.1441	124.0757	2 V 16	1920.9935	961.0004
318.1812	159.5942	3 A 15	1821.9251	911.4662
431.2653	216.1363	4 I 14	1750.8880	875.9476
591.2959	296.1516	5 C 13	1637.8039	819.4056
728.3548	364.6811	6 H 12	1477.7733	739.3903
825.4076	413.2074	7 P 11	1340.7144	670.8608
938.4917	469.7495	8 L 10	1243.6616	622.3344
1075.5506	538.2789	9 H 9	1130.5775	565.7924
1238.6139	619.8106	10 Y 8	993.5186	497.2629
1339.6616	670.3344	11 T 7	830.4553	415.7313
1438.7300	719.8686	12 V 6	729.4076	365.2074
1551.8141	776.4107	13 I 5	630.3392	315.6732
1682.8546	841.9309	14 M 4	517.2551	259.1312
1796.8975	898.9524	15 N 3	386.2146	193.6110
1893.9502	947.4788	16 P 2	272.1717	136.5895
		17 R 1	175.1190	88.0631

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
FVAICHPLHYTVIMNPR.3.b8.1	690.026	3	938.492	100
FVAICHPLHYTVIMNPR.3.b4.2	690.026	3	216.136	79
FVAICHPLHYTVIMNPR.3.y1.1	690.026	3	175.119	52
FVAICHPLHYTVIMNPR.3.b13.2	690.026	3	776.411	33
FVAICHPLHYTVIMNPR.3.y4.1	690.026	3	517.255	28
FVAICHPLHYTVIMNPR.3.b12.1	690.026	3	1438.73	25
FVAICHPLHYTVIMNPR.3.b12.2	690.026	3	719.869	20

MS/MS spectrum

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+

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
- NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

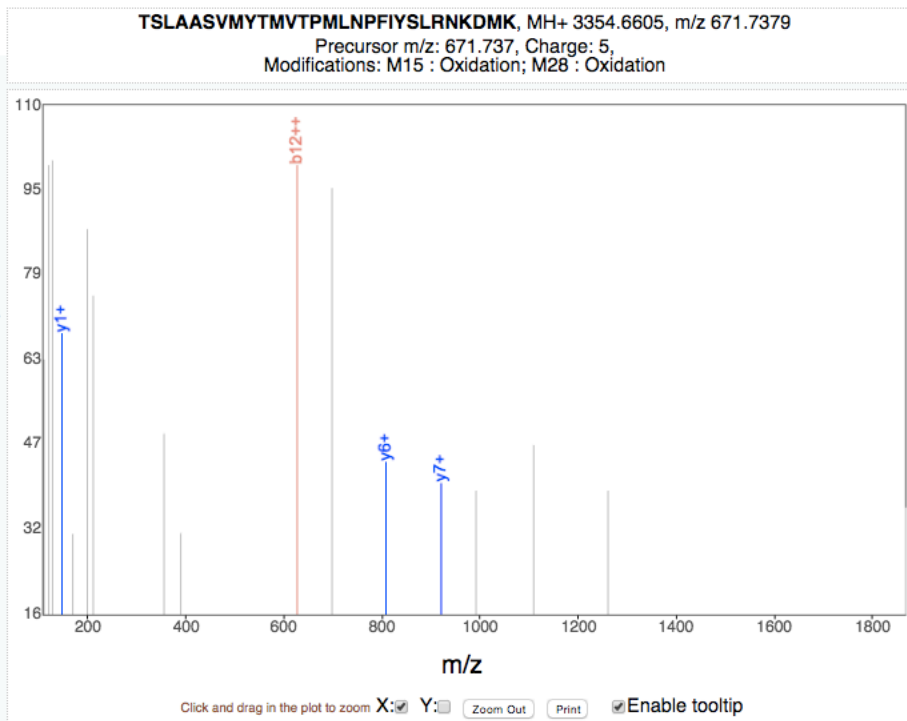
[Update](#)

Peak Assignment:

- Most Intense
- Nearest Match

Peak Labels:

- Ion m/z
- None



b+	b2+	b3+	Seq	y+	y2+	y3+
102.0550	51.5311	34.6898	1 T 29			
189.0870	95.0471	63.7005	2 S 28	3253.6128	1627.3100	1085.2091
302.1710	151.5892	101.3952	3 L 27	3166.5808	1583.7940	1056.1984
373.2082	187.1077	125.0742	4 A 26	3053.4967	1527.2520	1018.5038
444.2453	222.6263	148.7533	5 A 25	2982.4596	1491.7334	994.8247
531.2773	266.1423	177.7640	6 S 24	2911.4225	1456.2149	971.1457
630.3457	315.6765	210.7868	7 V 23	2824.3904	1412.6989	942.1350
761.3862	381.1967	254.4669	8 M 22	2725.3220	1363.1647	909.1122
924.4495	462.7284	308.8214	9 Y 21	2594.2816	1297.6444	865.4320
1025.4972	513.2522	342.5039	10 T 20	2431.2182	1216.1127	811.0776
1156.5377	578.7725	386.1841	11 M 19	2330.1705	1165.5889	777.3950
1255.6061	628.3067	419.2069	12 V 18	2199.1301	1100.0687	733.7149
1356.6538	678.8305	452.8894	13 T 17	2100.0616	1050.5345	700.6921
1453.7065	727.3569	485.2404	14 P 16	1999.0140	1000.0106	667.0095
1600.7419	800.8746	534.2522	15 M 15	1901.9612	951.4842	634.6586
1713.8260	857.4166	571.9469	16 L 14	1754.9258	877.9665	585.6468
1827.8689	914.4381	609.9612	17 N 13	1641.8417	821.4245	547.9521
1924.9217	962.9645	642.3121	18 P 12	1527.7988	764.4030	509.9378
2071.9901	1036.4987	691.3349	19 F 11	1430.7460	715.8767	477.5869
2185.0742	1093.0407	729.0296	20 I 10	1283.6776	642.3425	428.5641
2348.1375	1174.5724	783.3840	21 Y 9	1170.5936	585.8004	390.8694
2435.1695	1218.0884	812.3947	22 S 8	1007.5302	504.2688	336.5149
2548.2536	1274.6304	850.0894	23 L 7	920.4982	460.7527	307.5043
2704.3547	1352.6810	902.1231	24 R 6	807.4141	404.2107	269.8096
2818.3976	1409.7025	940.1374	25 N 5	651.3130	326.1602	217.7759
2946.4926	1473.7499	982.8357	26 K 4	537.2701	269.1387	179.7616
3061.5195	1531.2634	1021.1780	27 D 3	409.1751	205.0912	137.0632
3208.5549	1604.7811	1070.1898	28 M 2	294.1482	147.5777	98.7209
			29 K 1	147.1128	74.0600	49.7091

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
TSLAASVMYTMVTPmLNPFIYSLRNKDMK.5.b12.2	671.738	5	628.307	100
TSLAASVMYTMVTPmLNPFIYSLRNKDMK.5.y1.1	671.738	5	147.113	68
TSLAASVMYTMVTPmLNPFIYSLRNKDMK.5.y6.1	671.738	5	807.414	44
TSLAASVMYTMVTPmLNPFIYSLRNKDMK.5.y7.1	671.738	5	920.498	40

MS/MS spectrum

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+

[Deselect All](#)

Neutral Loss:

H₂O (o)

NH₃ (*)

Mass Type:

Mono Avg

Mass Tolerance: Da

Peak Assignment:

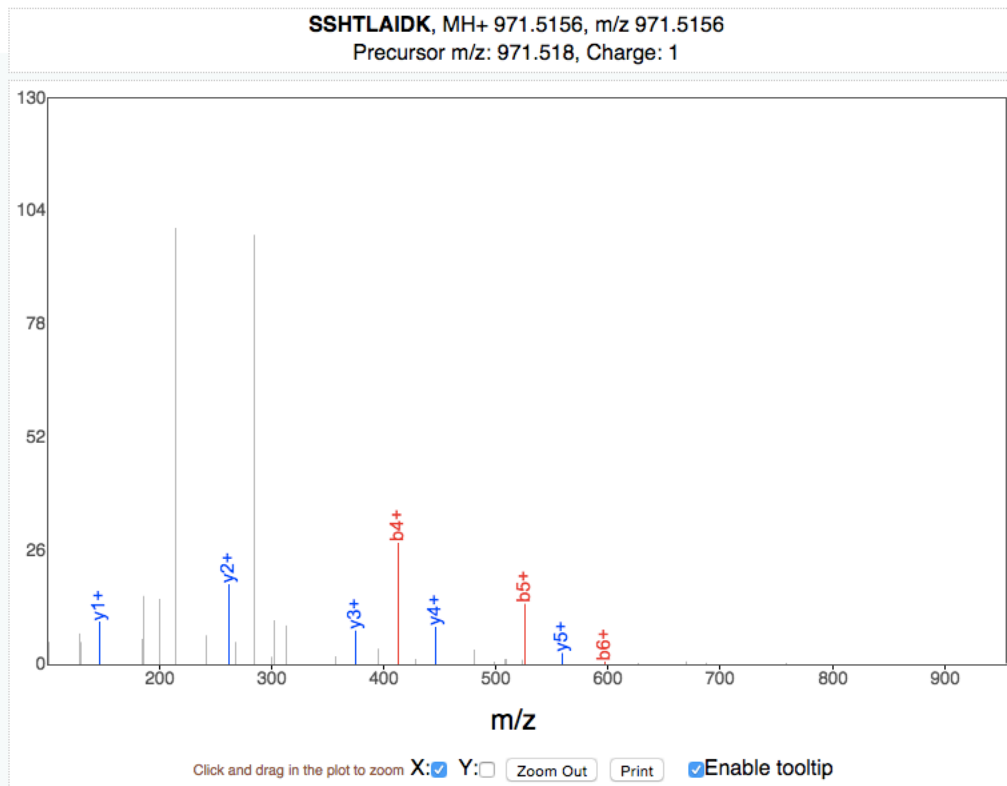
Most Intense

Nearest Match

Peak Labels:

Ion m/z

None



b+	Seq	y+
88.0393	1 S 9	
175.0713	2 S 8 884.4836	
312.1302	3 H 7 797.4516	
413.1779	4 T 6 660.3927	
526.2620	5 L 5 559.3450	
597.2991	6 A 4 446.2609	
710.3832	7 I 3 375.2238	
825.4101	8 D 2 262.1397	
	9 K 1 147.1128	

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SSHTLAIDK.1.y2.1	1013.53	1	262.14	100
SSHTLAIDK.1.y1.1	1013.53	1	147.113	52
SSHTLAIDK.1.y4.1	1013.53	1	446.261	46
SSHTLAIDK.1.y3.1	1013.53	1	375.224	42
SSHTLAIDK.1.b1.1	1013.53	1	130.05	27
SSHTLAIDK.1.y5.1	1013.53	1	559.345	13
SSHTLAIDK.1.b9.2	1013.53	1	498.261	2

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[\[Deselect All\]](#)

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

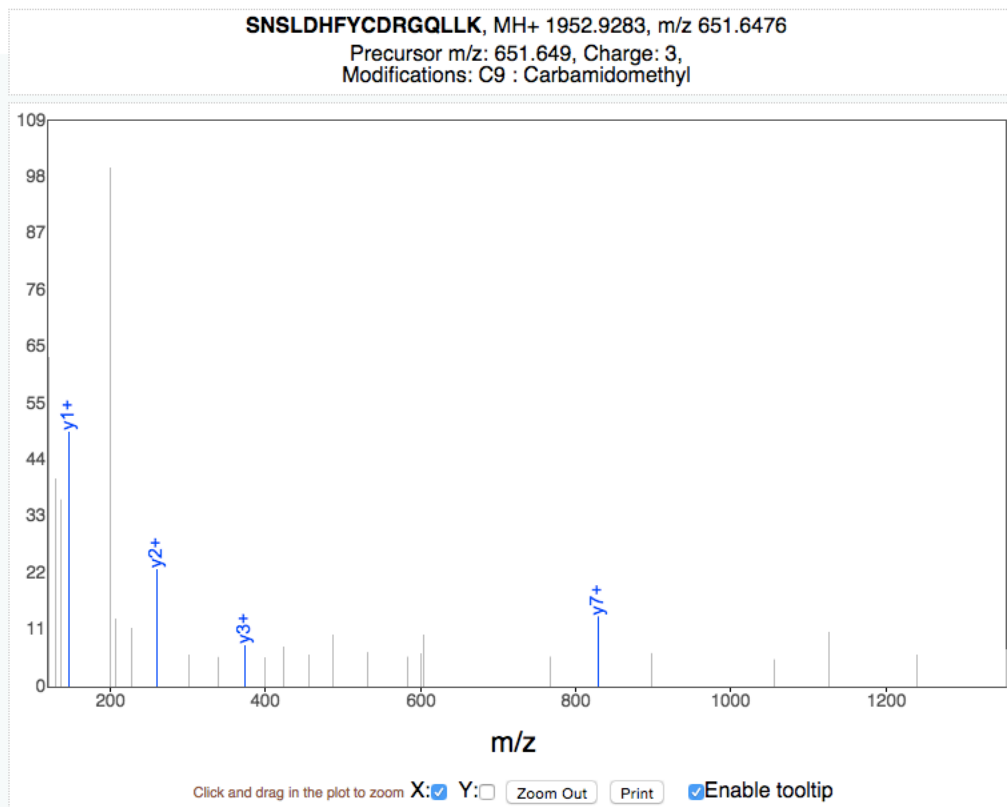
Mass Tolerance: Da

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq	y+	y2+
88.0393	44.5233	1 S 16		
202.0822	101.5448	2 N 15	1865.8963	933.4518
289.1143	145.0608	3 S 14	1751.8534	876.4303
402.1983	201.6028	4 L 13	1664.8213	832.9143
517.2253	259.1163	5 D 12	1551.7373	776.3723
654.2842	327.6457	6 H 11	1436.7103	718.8588
801.3526	401.1799	7 F 10	1299.6514	650.3293
964.4159	482.7116	8 Y 9	1152.5830	576.7951
1124.4466	562.7269	9 C 8	989.5197	495.2635
1239.4735	620.2404	10 D 7	829.4890	415.2482
1395.5746	698.2910	11 R 6	714.4621	357.7347
1452.5961	726.8017	12 G 5	558.3610	279.6841
1580.6547	790.8310	13 Q 4	501.3395	251.1734
1693.7387	847.3730	14 L 3	373.2809	187.1441
1806.8228	903.9150	15 L 2	260.1969	130.6021
		16 K 1	147.1128	74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
SNSLDHFYcDRGQLLK.3.y1.1	651.648	3	147.113	100
SNSLDHFYcDRGQLLK.3.y2.1	651.648	3	260.197	45
SNSLDHFYcDRGQLLK.3.y7.1	651.648	3	829.489	27
SNSLDHFYcDRGQLLK.3.y3.1	651.648	3	373.281	16

MS/MS spectrum

Ions:

- 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺
 1⁺ 2⁺ 3⁺

[Deselect All]

Neutral Loss:

- H₂O (o)
 NH₃ (*)

Mass Type:

- Mono Avg

Mass Tolerance: 0.05 Da

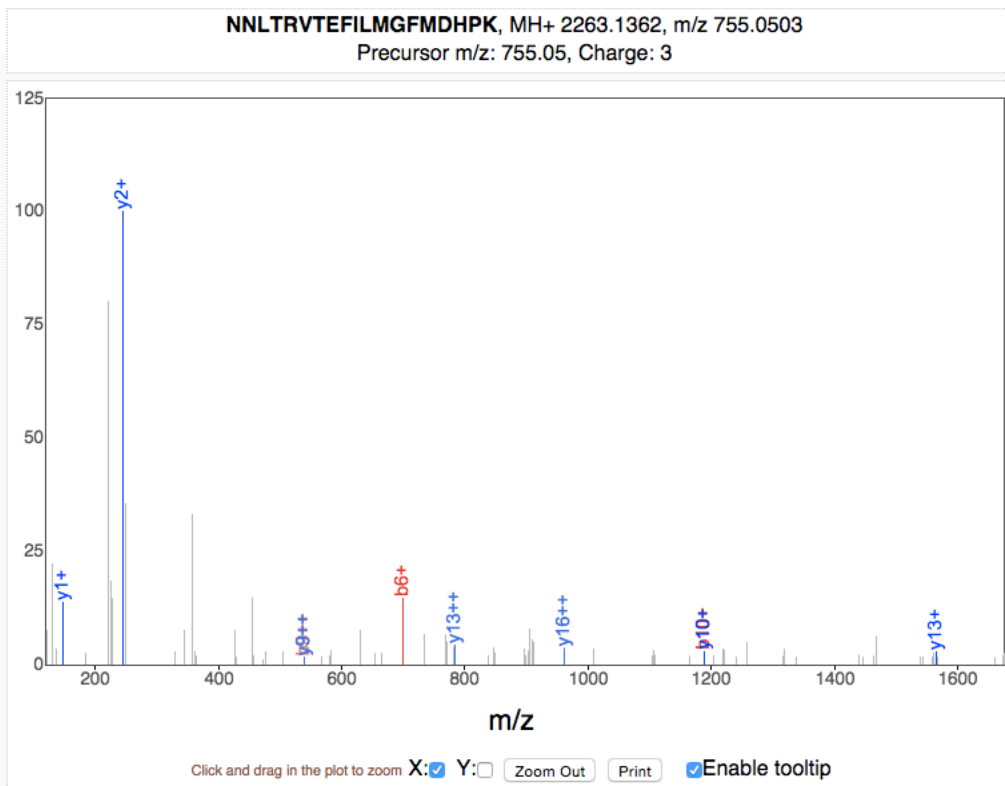
Update

Peak Assignment:

- Most Intense
 Nearest Match

Peak Labels:

- Ion m/z
 None



b+	b2+	Seq		y+	y2+
115.0502	58.0287	1	N	19	
229.0931	115.0502	2	N	18	2149.0933 1075.0503
342.1772	171.5922	3	L	17	2035.0504 1018.0288
443.2249	222.1161	4	T	16	1921.9663 961.4868
599.3260	300.1666	5	R	15	1820.9186 910.9629
698.3944	349.7008	6	V	14	1664.8175 832.9124
799.4421	400.2247	7	T	13	1565.7491 783.3782
928.4847	464.7460	8	E	12	1464.7014 732.8543
1075.5531	538.2802	9	F	11	1335.6588 668.3330
1188.6371	594.8222	10	I	10	1188.5904 594.7988
1301.7212	651.3642	11	L	9	1075.5063 538.2568
1432.7617	716.8845	12	M	8	962.4223 481.7148
1489.7832	745.3952	13	G	7	831.3818 416.1945
1636.8516	818.9294	14	F	6	774.3603 387.6838
1767.8921	884.4497	15	M	5	627.2919 314.1496
1882.9190	941.9631	16	D	4	496.2514 248.6293
2019.9779	1010.4926	17	H	3	381.2245 191.1159
2117.0307	1059.0190	18	P	2	244.1656 122.5864
		19	K	1	147.1128 74.0600

SRM transitions

Transition ID	Precursor m/z	Precursor charge	Fragment m/z	Relative intensity
NNLTRVTEFILMGFMDHPK.3.y2.1	769.054	3	244.166	100
NNLTRVTEFILMGFMDHPK.3.y1.1	769.054	3	147.113	13
NNLTRVTEFILMGFMDHPK.3.y13.2	769.054	3	783.378	4
NNLTRVTEFILMGFMDHPK.3.y16.2	769.054	3	961.487	3
NNLTRVTEFILMGFMDHPK.3.b2.2	769.054	3	136.055	3
NNLTRVTEFILMGFMDHPK.3.y10.1	769.054	3	1188.59	2
NNLTRVTEFILMGFMDHPK.3.y13.1	769.054	3	1565.75	2