MS and MS/MS spectra for single peptide reconstituted proteinsFor Manuscript:

Axonal Transport Proteomics in Injured Sciatic Nerve

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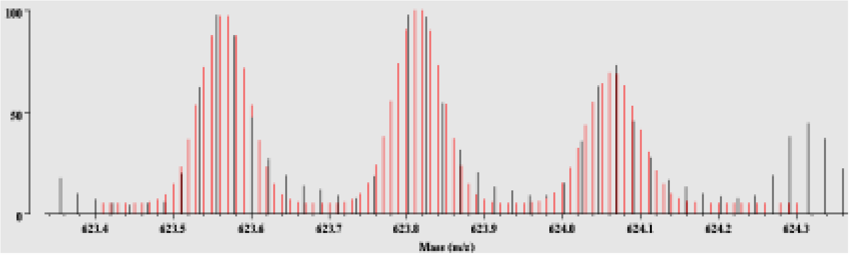
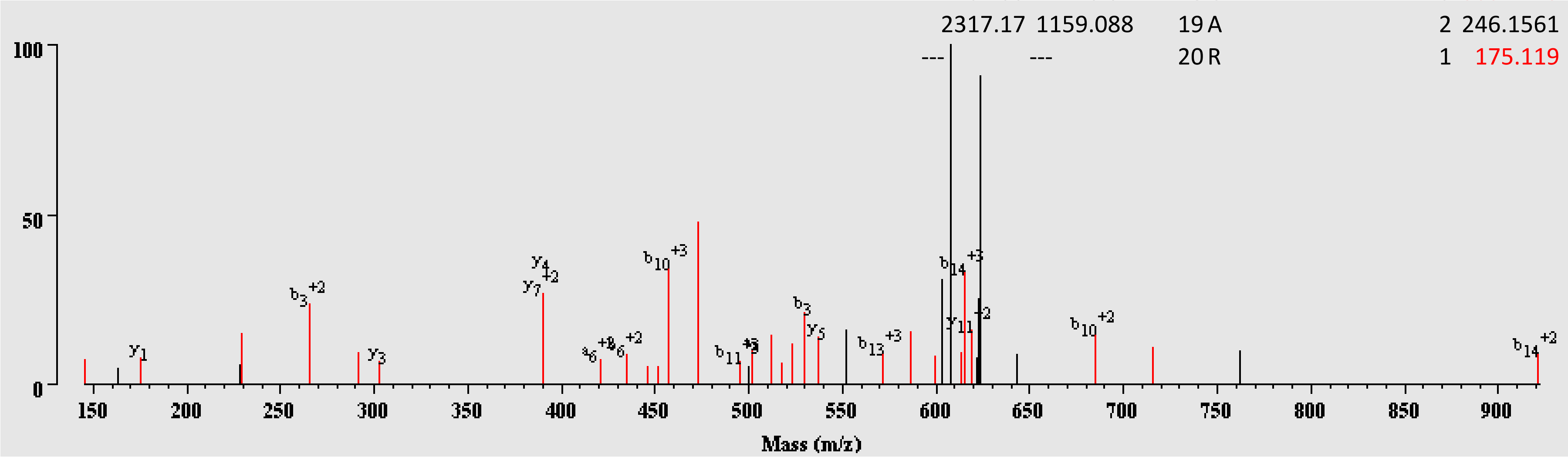
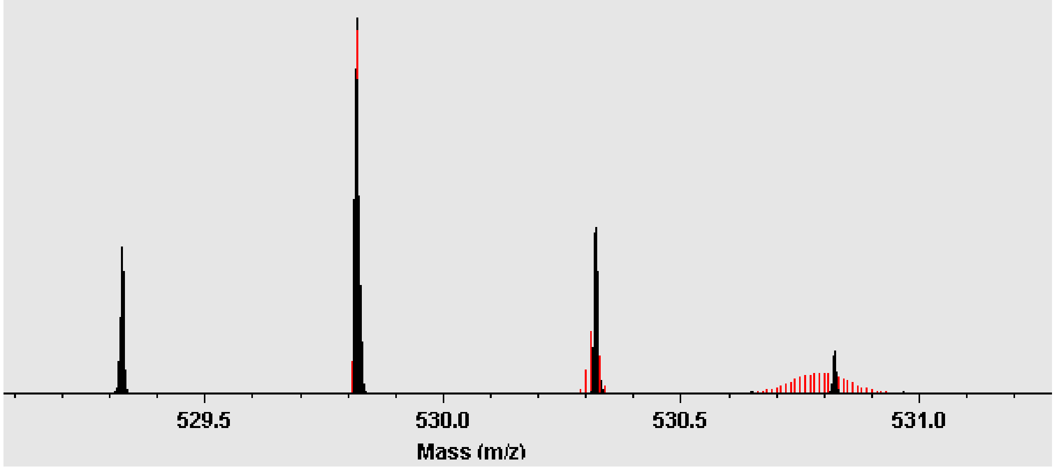
IRDPNQGGK(iTRAQ4plex)DITEEIM(Oxi)SGAR^{+4}/(623.8693^{+4}/ 2492.4549)/A0PJB5

b	b+2		iTRAQ4plex		y	y+2
258.1934	---	1	I	20	---	---
414.2945	207.6509	2	R	19	2234.095	1117.551
529.3215	265.1644	3	D	18	2077.994	1039.501
626.3742	313.6907	4	P	17	1962.967	981.9872
740.4171	370.7122	5	N	16	1865.914	933.4608
868.4757	434.7415	6	Q	15	1751.871	876.4393
925.4972	463.2522	7	G	14	1623.813	812.4101
982.5187	491.763	8	G	13	1566.791	783.8993
1254.716	627.8615	9	K(iTRAQ4plex)	12	1509.77	755.3886
1369.743	685.3749	10	D	11	1237.573	619.2901
1482.827	741.917	11	I	10	1122.546	561.7766
1583.874	792.4408	12	T	9	1009.462	505.2346
1712.917	856.9621	13	E	8	908.4142	454.7107
1841.96	921.4834	14	E	7	779.3716	390.1894
1955.044	978.0254	15	I	6	650.329	325.6681
2102.079	1051.543	16	M(Oxidation)	5	537.245	269.1261
2189.111	1095.059	17	S	4	390.2096	195.6084
2246.133	1123.57	18	G	3	303.1775	152.0924
2317.17	1159.088	19	A	2	246.1561	123.5817
---	---	20	R	1	175.119	88.0631

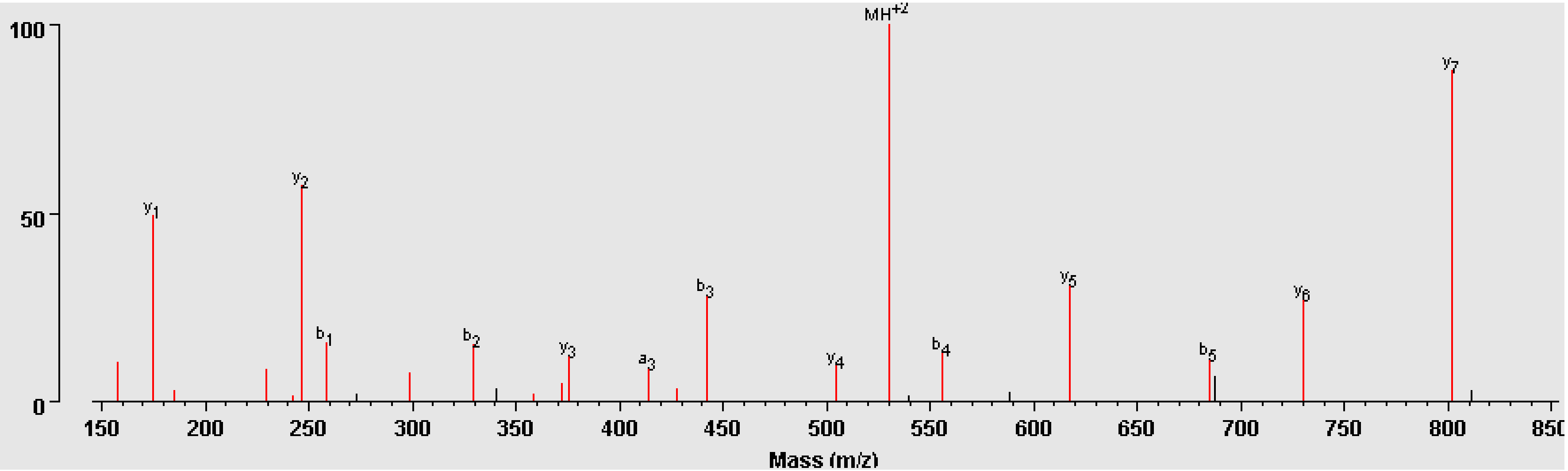




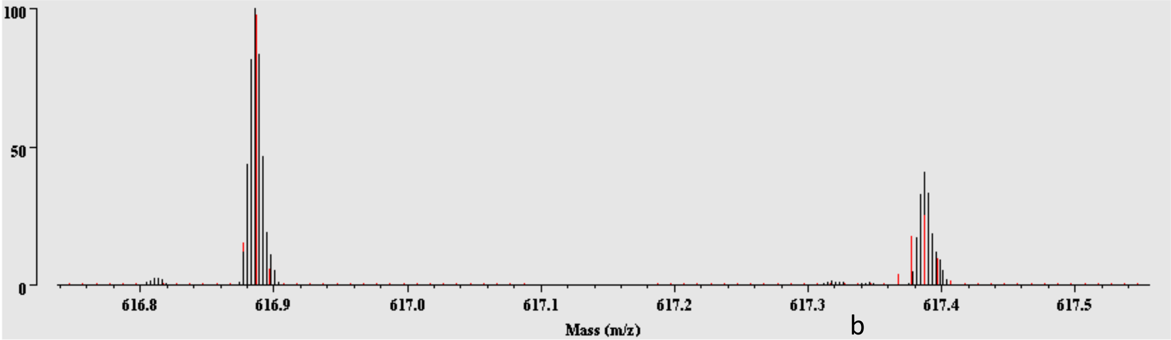
LALLEEAR^{+2}/(530.1238^{+2}/1059.2402)/A2AA80



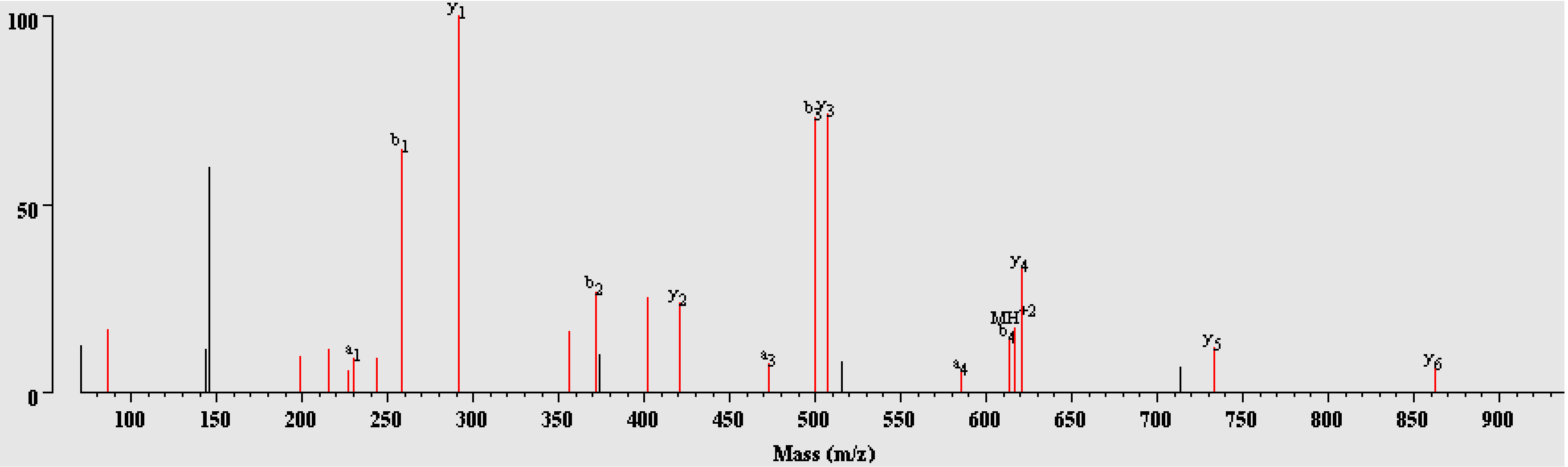
b	iTRAQ4plex		y	y+2
258.1934	1 L	8	---	---
329.2305	2 A	7	801.4465	401.2269
442.3146	3 L	6	730.4094	365.7083
555.3986	4 L	5	617.3253	309.1663
684.4412	5 E	4	504.2413	252.6243
813.4838	6 E	3	375.1987	188.103
884.5209	7 A	2	246.1561	123.5817
---	8 R	1	175.119	88.0631



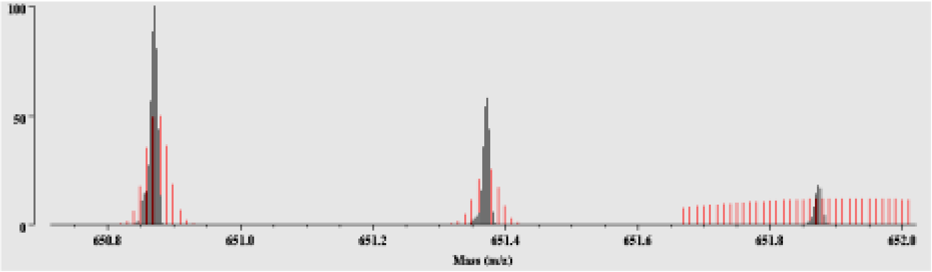
LIEILSEK(iTRAQ4)$^{+2}$/(616.8871^{+2}/1233.32)/A2AVJ7



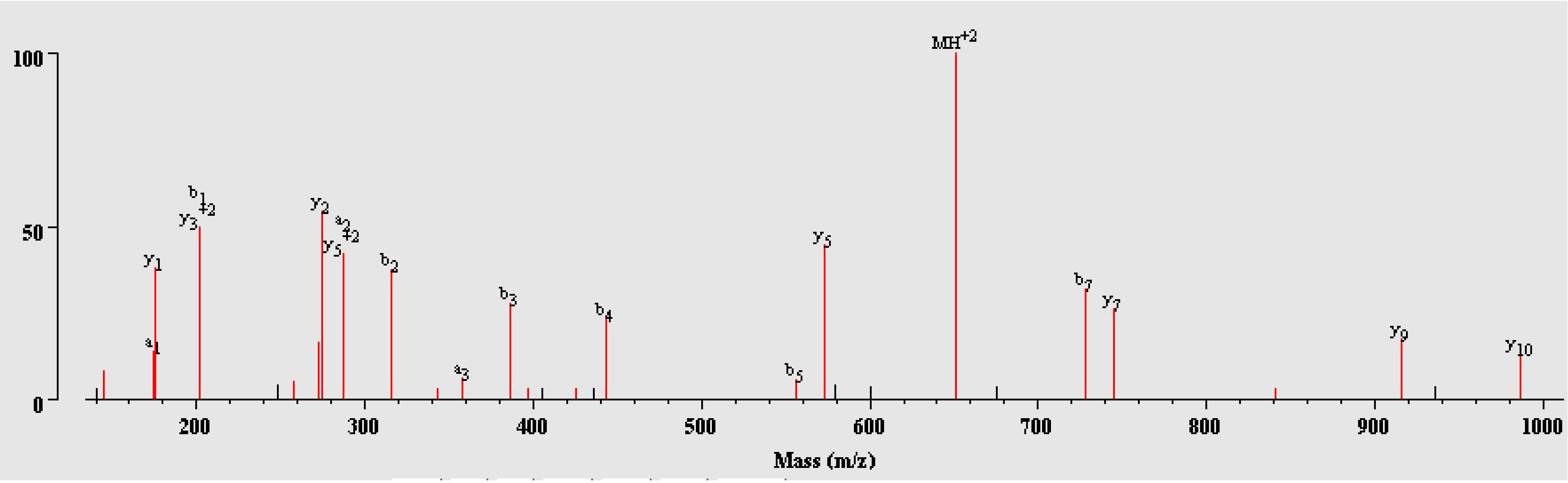
b			y	y+2
	iTRAQ4plex			
258.1934	1 L	8	---	---
371.2775	2 I	7	975.5843	488.2958
500.3201	3 E	6	862.5002	431.7537
613.4041	4 I	5	733.4576	367.2324
726.4882	5 L	4	620.3736	310.6904
813.5202	6 S	3	507.2895	254.1484
942.5628	7 E	2	420.2575	210.6324
---	8 K(iTRAQ4plex)	1	291.2149	146.1111



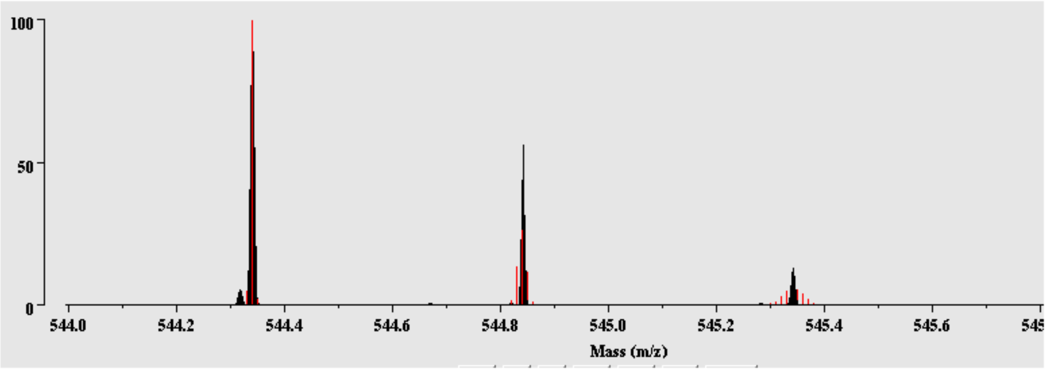
GIAGLGDVAEVR^{+2}/(651.2418^{+2}/1301.4762)/A2AWQ5



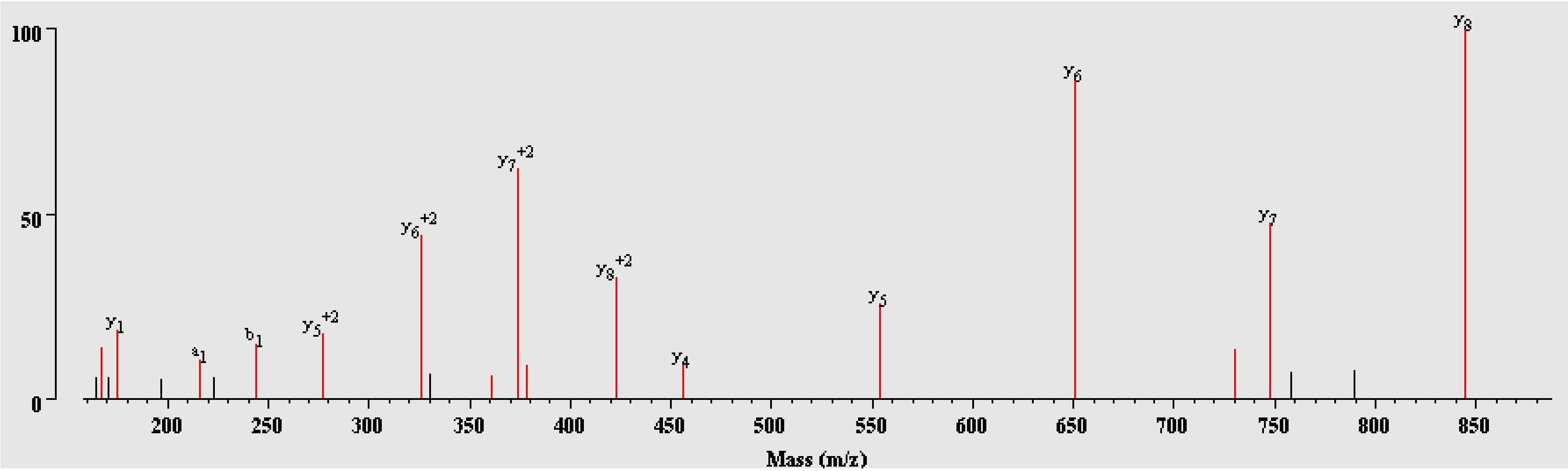
b	iTRAQ4plex		y	y+2
202.1308	1 G	12	---	---
315.2149	2 I	11	1099.611	550.3089
386.252	3 A	10	986.5265	493.7669
443.2734	4 G	9	915.4894	458.2483
556.3575	5 L	8	858.468	429.7376
613.379	6 G	7	745.3839	373.1956
728.4059	7 D	6	688.3624	344.6849
827.4743	8 V	5	573.3355	287.1714
898.5114	9 A	4	474.2671	237.6372
1027.554	10 E	3	403.23	202.1186
1126.622	11 V	2	274.1874	137.5973
---	12 R	1	175.119	88.0631



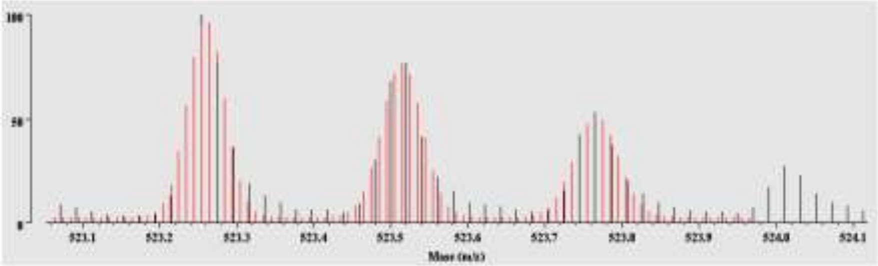
VPPPPLAPR^{+2}/(544.6679^{+2}/1088.3283)/A2BDX3



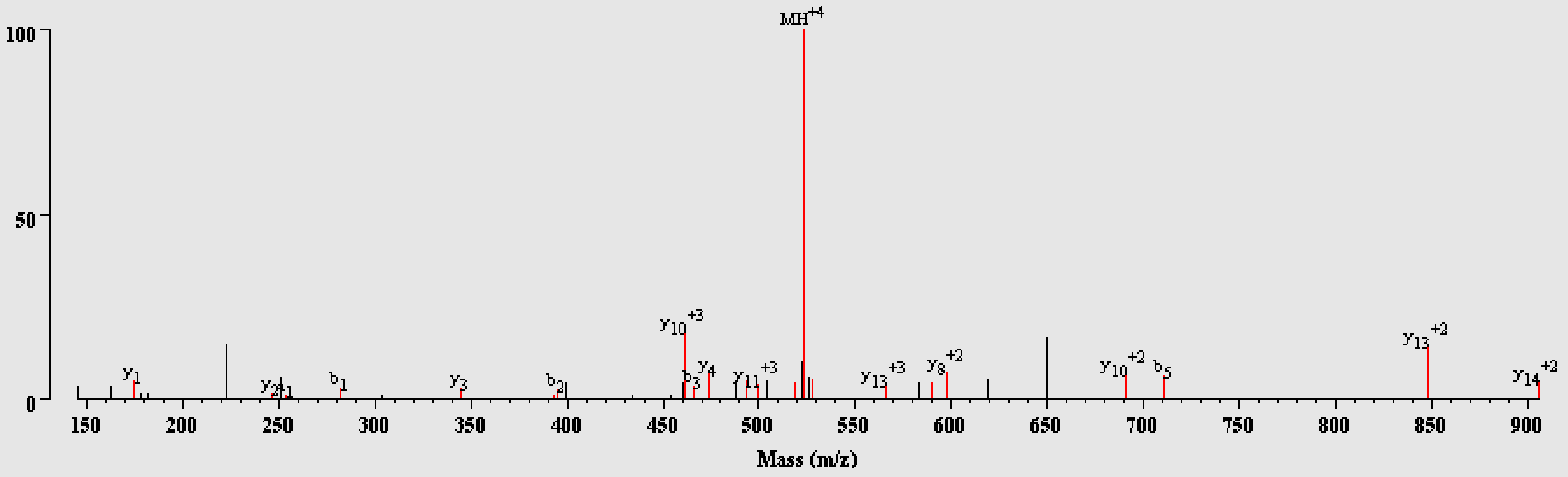
b			y	y+2
	iTRAQ4plex			
244.1778	1 V	9	---	---
341.2305	2 P	8	844.5039	422.7556
438.2833	3 P	7	747.4512	374.2292
535.336	4 P	6	650.3984	325.7028
632.3888	5 P	5	553.3457	277.1765
745.4729	6 L	4	456.2929	228.6501
816.51	7 A	3	343.2088	172.1081
913.5627	8 P	2	272.1717	136.5895
---	9 R	1	175.119	88.0631



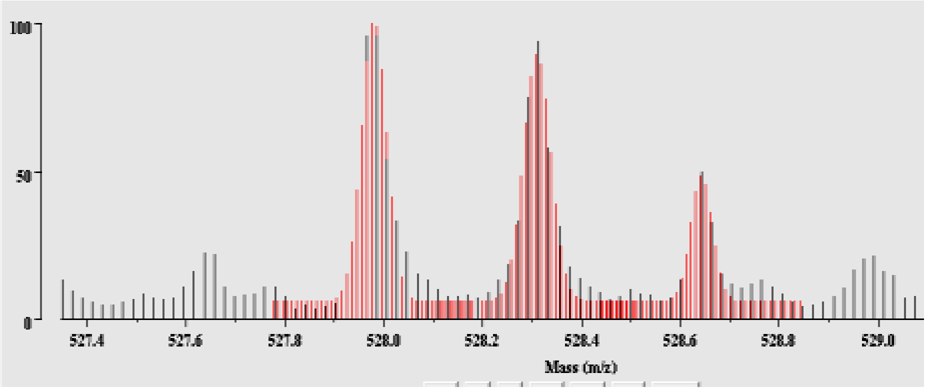
HIAEDADRK(iTRAQ4plex)YEEVAR^{+4}/(523.5384^{+4}/ 2091.1314)/A2RRI1



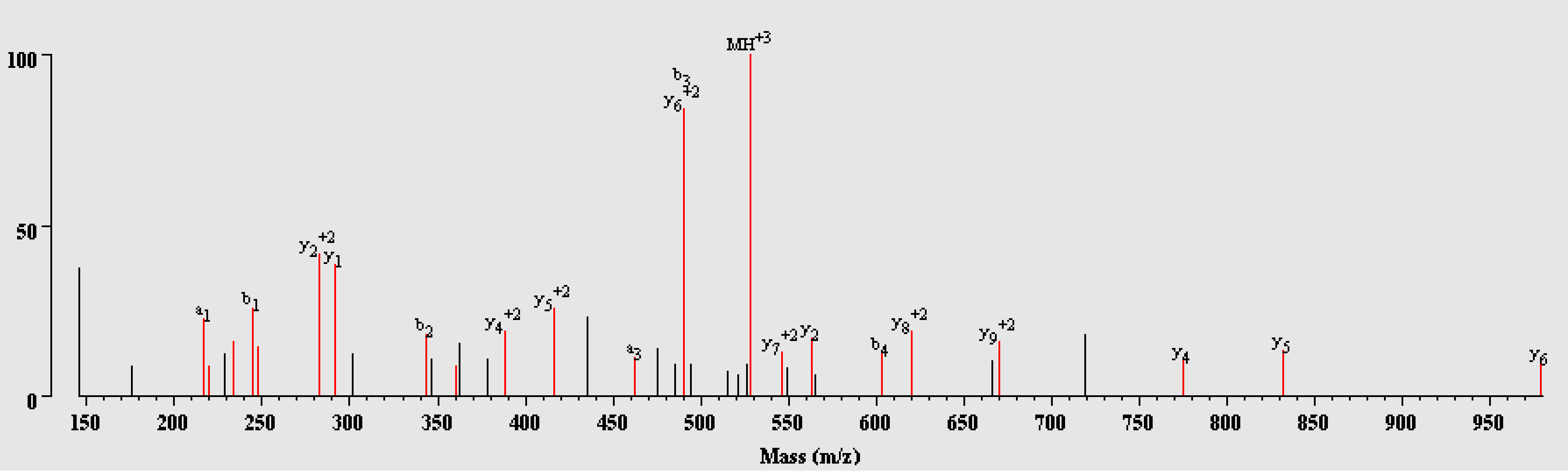
b	b+2	iTRAQ4plex		y	y+2
282.1683	141.5878	1 H	15	---	---
395.2523	198.1298	2 I	14	1808.926	904.9666
466.2894	233.6484	3 A	13	1695.842	848.4246
595.332	298.1696	4 E	12	1624.805	812.906
710.359	355.6831	5 D	11	1495.762	748.3847
781.3961	391.2017	6 A	10	1380.735	690.8712
896.423	448.7151	7 D	9	1309.698	655.3527
1052.524	526.7657	8 R	8	1194.671	597.8392
1324.721	662.8642	9 K(iTRAQ4plex)	7	1038.57	519.7886
1487.785	744.3959	10 Y	6	766.373	383.6901
1616.827	808.9172	11 E	5	603.3097	302.1585
1745.87	873.4385	12 E	4	474.2671	237.6372
1844.938	922.9727	13 V	3	345.2245	173.1159
1915.975	958.4912	14 A	2	246.1561	123.5817
---	---	15 R	1	175.119	88.0631



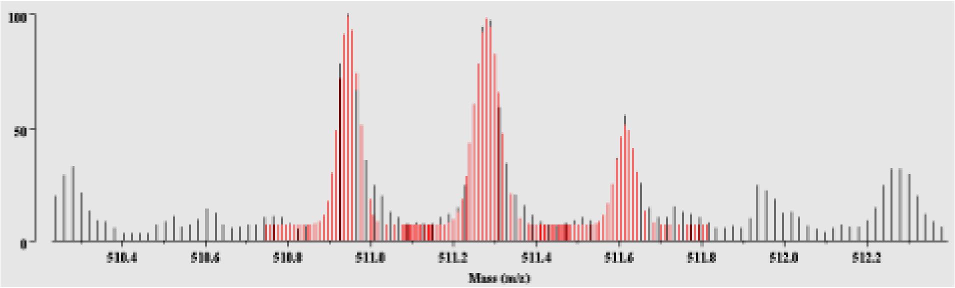
VVFIFGPDK(iTRAQ4plex)K(iTRAQ4plex)$^{+3}$/(528.21+3/1582.61) /O08709



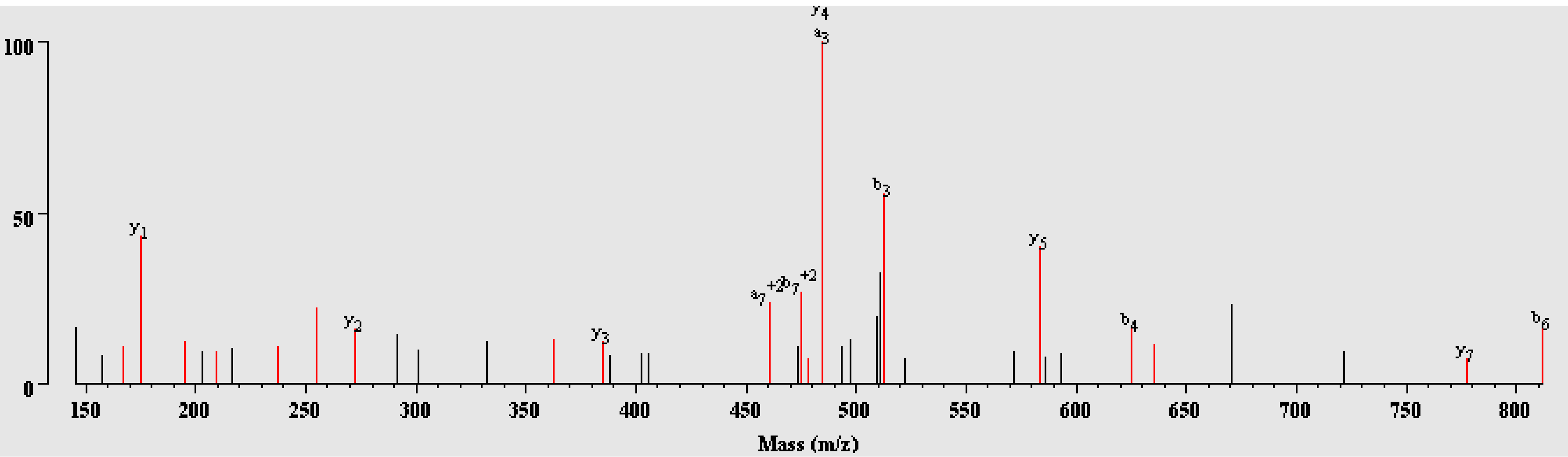
b	b+2		iTRAQ4plex		y	y+2
244.1778	---	1	V	10	---	---
343.2462	---	2	V	9	1338.802	669.9048
490.3146	---	3	F	8	1239.734	620.3706
603.3986	---	4	I	7	1092.666	546.8364
750.4671	---	5	F	6	979.5815	490.2944
807.4885	---	6	G	5	832.5131	416.7602
904.5413	---	7	P	4	775.4916	388.2494
1019.568	---	8	D	3	678.4388	339.7231
1291.765	646.3863	9	K(iTRAQ4plex)	2	563.4119	282.2096
---	---	10	K(iTRAQ4plex)	1	291.2149	146.1111



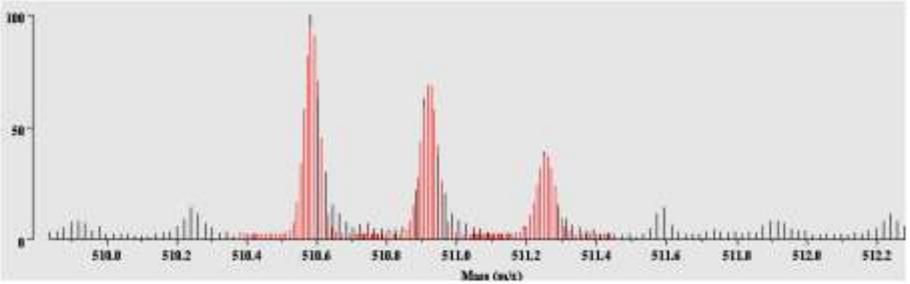
YGFIEGHVVIPR^{+3}/(511.2686^{+3}/1531.79)/O08779



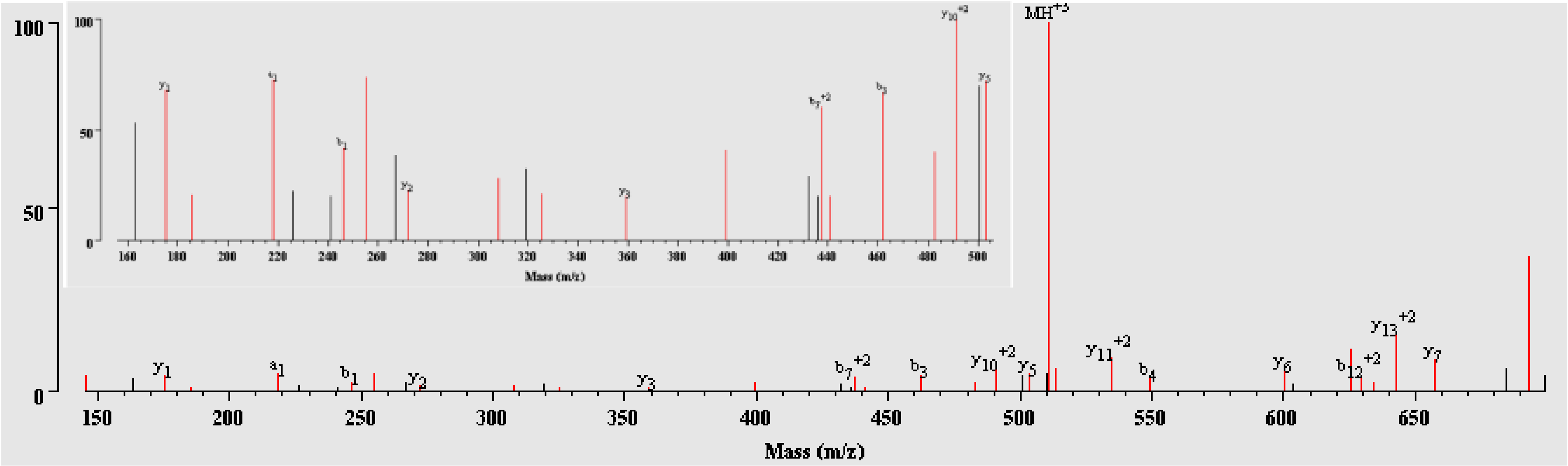
b	b+2				y	y+2
			iTRAQ4plex			
308.1727	---	1	Y	12	---	---
365.1941	---	2	G	11	1223.69	612.3484
512.2625	---	3	F	10	1166.668	583.8377
625.3466	---	4	I	9	1019.6	510.3035
754.3892	---	5	E	8	906.5156	453.7614
811.4107	---	6	G	7	777.473	389.2401
948.4696	474.7384	7	H	6	720.4515	360.7294
1047.538	524.2726	8	V	5	583.3926	292.1999
1146.606	573.8068	9	V	4	484.3242	242.6657
1259.691	630.3489	10	I	3	385.2558	193.1315
1356.743	678.8753	11	P	2	272.1717	136.5895
---	---	12	R	1	175.119	88.0631



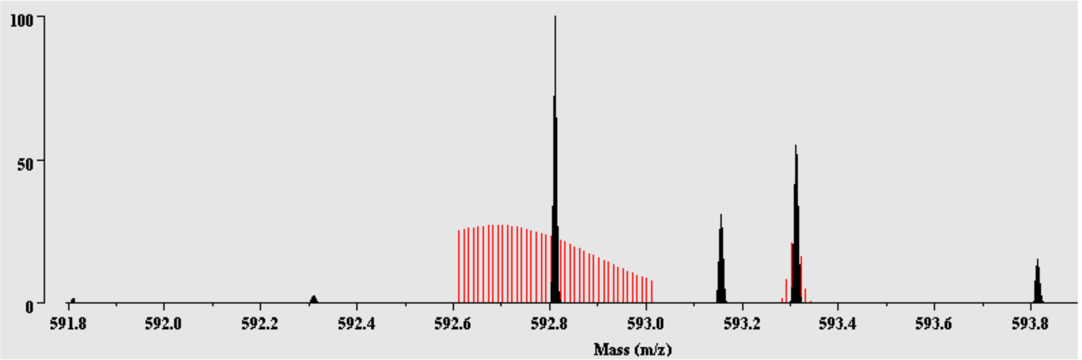
TSESPARGPSGSPR^{+3}/(510.8814^{+3}/1530.6295)/O35108



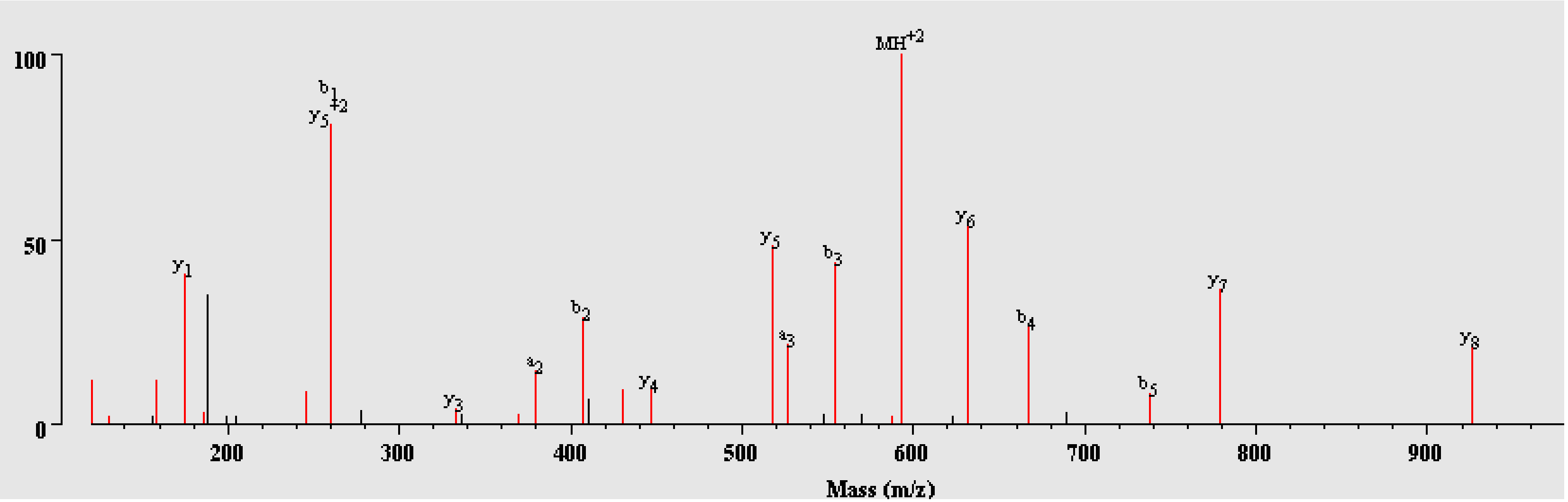
b	b+2		iTRAQ4plex		y	y+2
246.157	---	1	T	14	---	---
333.189	---	2	S	13	1284.629	642.8182
462.2316	---	3	E	12	1197.597	599.3022
549.2637	---	4	S	11	1068.555	534.7809
646.3164	---	5	P	10	981.5225	491.2649
717.3535	---	6	A	9	884.4697	442.7385
873.4547	437.231	7	R	8	813.4326	407.2199
930.4761	465.7417	8	G	7	657.3315	329.1694
1027.529	514.2681	9	P	6	600.31	300.6586
1114.561	557.7841	10	S	5	503.2572	252.1323
1171.582	586.2948	11	G	4	416.2252	208.6162
1258.614	629.8108	12	S	3	359.2037	180.1055
1355.667	678.3372	13	P	2	272.1717	136.5895
---	---	14	R	1	175.119	88.0631



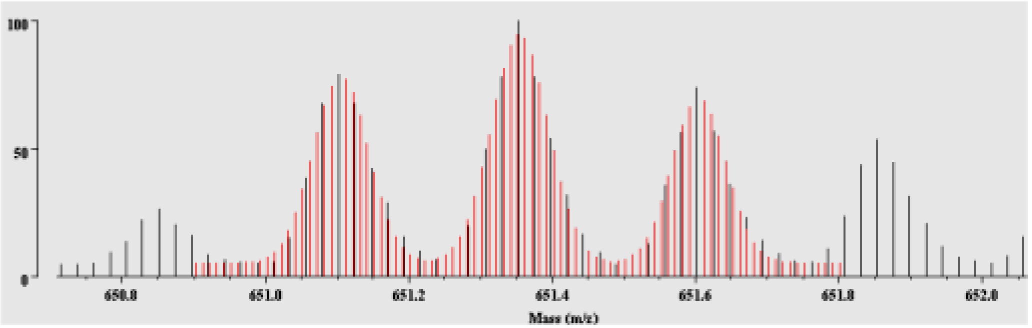
DFFLANASR^{+2}/(593.1611^{+2}/1185.3148)/O35350



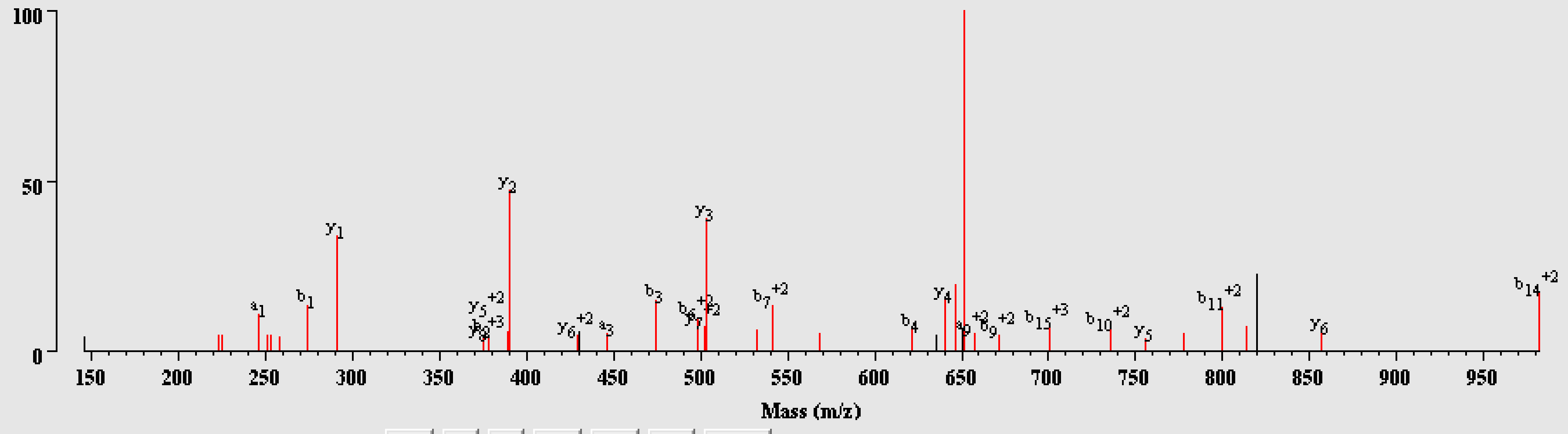
b			y	y+2
	iTRAQ4plex			
260.1363	1 D	9	---	---
407.2047	2 F	8	925.489	463.2482
554.2731	3 F	7	778.4206	389.7139
667.3572	4 L	6	631.3522	316.1797
738.3943	5 A	5	518.2681	259.6377
852.4372	6 N	4	447.231	224.1191
923.4743	7 A	3	333.1881	167.0977
1010.506	8 S	2	262.151	131.5791
---	9 R	1	175.119	88.0631



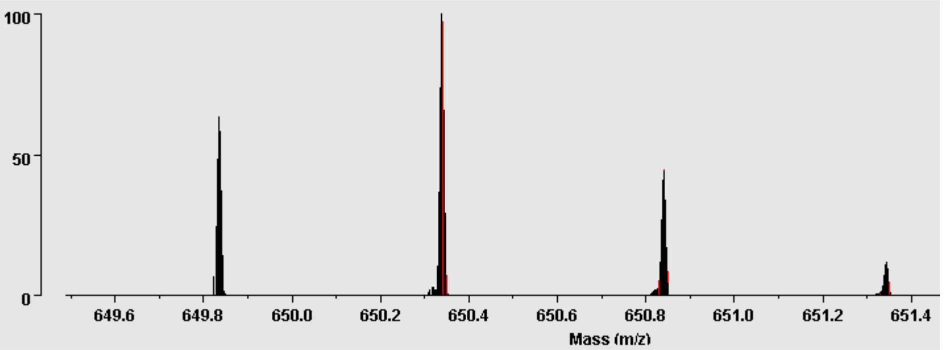
ETVFTK(iTRAQ4plex)SPYQEFTDHLVK(iTRAQ4plex)$^{+4}$/(651.416^{+4}/2602.6419)/O55211



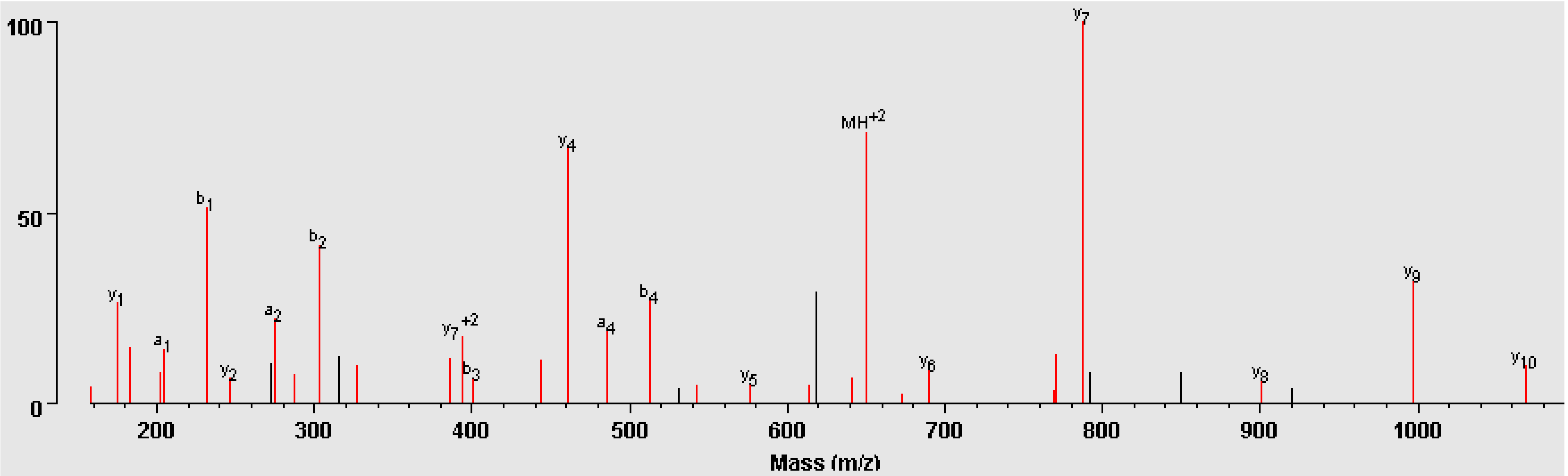
b	b+2	iTRAQ4plex		y	y+2
274.1519	---	1 E	18	---	---
375.1996	---	2 T	17	2328.248	1164.628
474.268	---	3 V	16	2227.2	1114.104
621.3364	---	4 F	15	2128.132	1064.57
722.3841	---	5 T	14	1981.063	991.0353
994.5811	497.7942	6 K(iTRAQ4plex)	13	1880.016	940.5114
1081.613	541.3102	7 S	12	1607.819	804.4129
1178.666	589.8366	8 P	11	1520.787	760.8969
1341.729	671.3683	9 Y	10	1423.734	712.3705
1469.788	735.3976	10 Q	9	1260.671	630.8389
1598.83	799.9189	11 E	8	1132.612	566.8096
1745.899	873.4531	12 F	7	1003.569	502.2883
1846.947	923.9769	13 T	6	856.5009	428.7541
1961.974	981.4904	14 D	5	755.4532	378.2302
2099.032	1050.02	15 H	4	640.4263	320.7168
2212.116	1106.562	16 L	3	503.3673	252.1873
2311.185	1156.096	17 V	2	390.2833	195.6453
---	---	18 K(iTRAQ4plex)	1	291.2149	146.1111



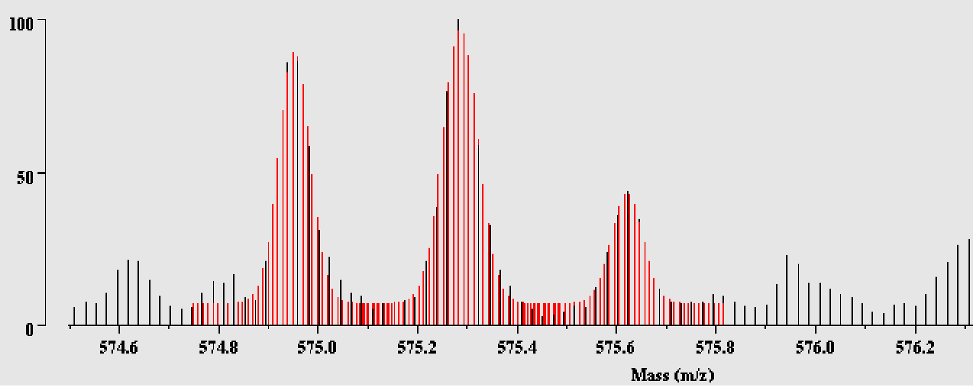
SAPLPNDSQAR^{+2}/(650.7059^{+2}/1300.4043)/O70172



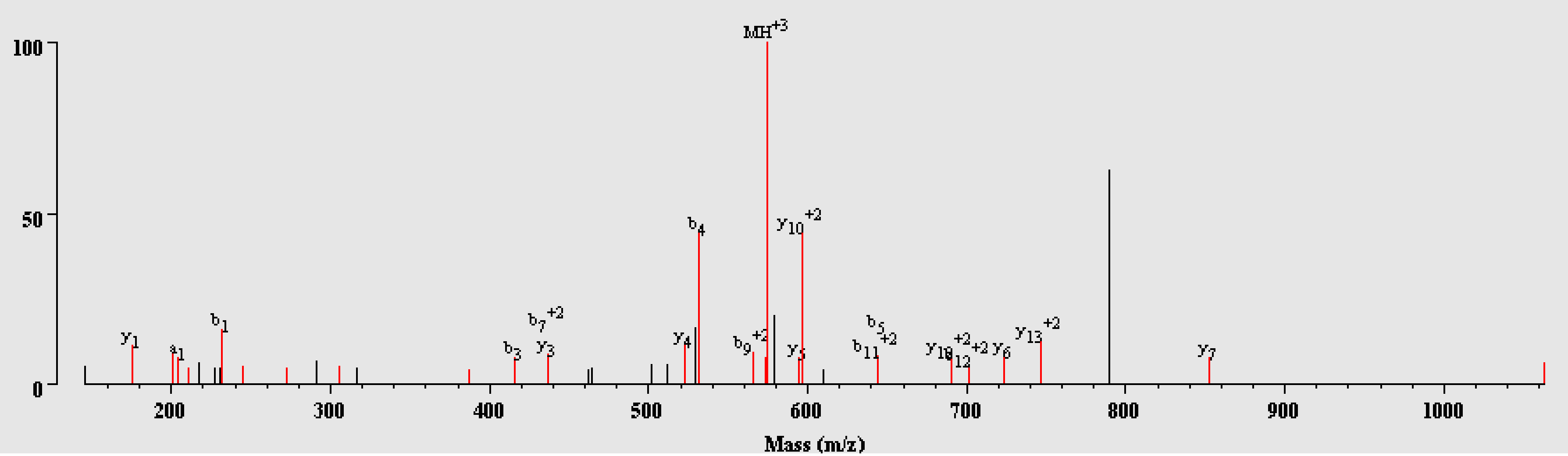
b				y	y+2
		iTRAQ4plex			
232.1414	1	S	11	---	---
303.1785	2	A	10	1068.543	534.7753
400.2312	3	P	9	997.5061	499.2567
513.3153	4	L	8	900.4534	450.7303
610.3681	5	P	7	787.3693	394.1883
724.411	6	N	6	690.3165	345.6619
839.4379	7	D	5	576.2736	288.6404
926.47	8	S	4	461.2467	231.127
1054.529	9	Q	3	374.2146	187.611
1125.566	10	A	2	246.1561	123.5817
---	11	R	1	175.119	88.0631



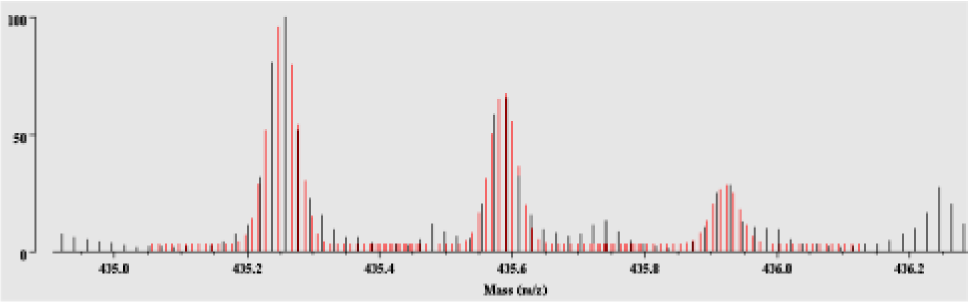
SLADIAREEASNFR^{+3}/(575.2971^{+3}/1723.8765)/O70435



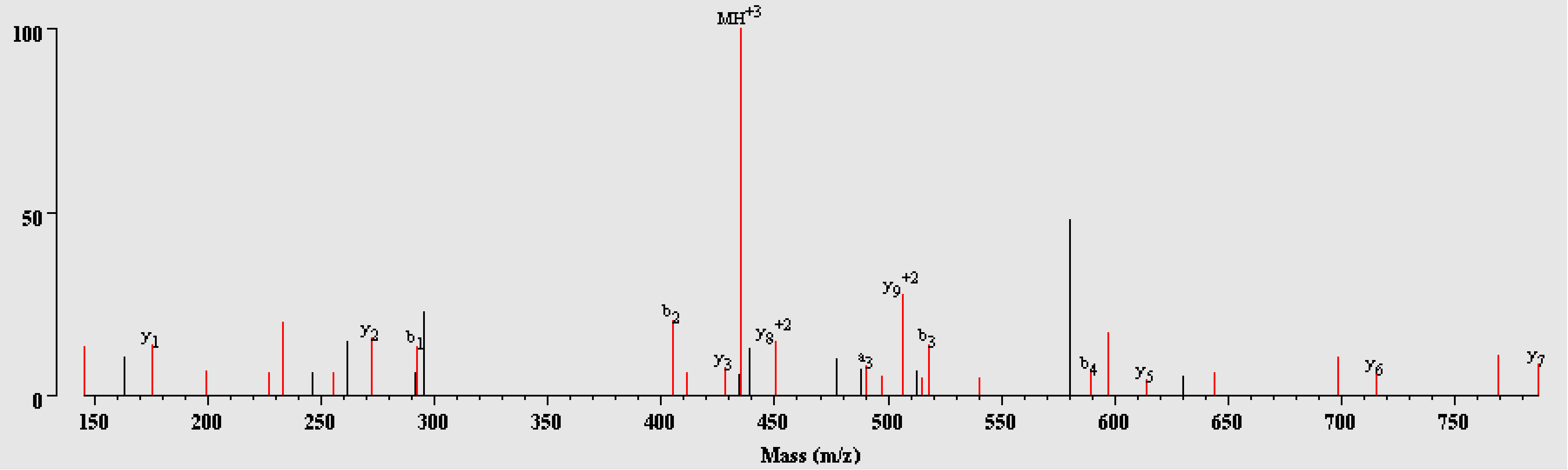
b	b+2			y	y+2
		iTRAQ4plex			
232.1414	---	1 S	14	---	---
345.2254	---	2 L	13	1491.755	746.3812
416.2625	---	3 A	12	1378.671	689.8391
531.2895	---	4 D	11	1307.634	654.3206
644.3736	---	5 I	10	1192.607	596.8071
715.4107	---	6 A	9	1079.523	540.2651
871.5118	436.2595	7 R	8	1008.486	504.7465
1000.554	500.7808	8 E	7	852.3846	426.6959
1129.597	565.3021	9 E	6	723.342	362.1747
1200.634	600.8207	10 A	5	594.2994	297.6534
1287.666	644.3367	11 S	4	523.2623	262.1348
1401.709	701.3582	12 N	3	436.2303	218.6188
1548.777	774.8924	13 F	2	322.1874	161.5973
---	---	14 R	1	175.119	88.0631



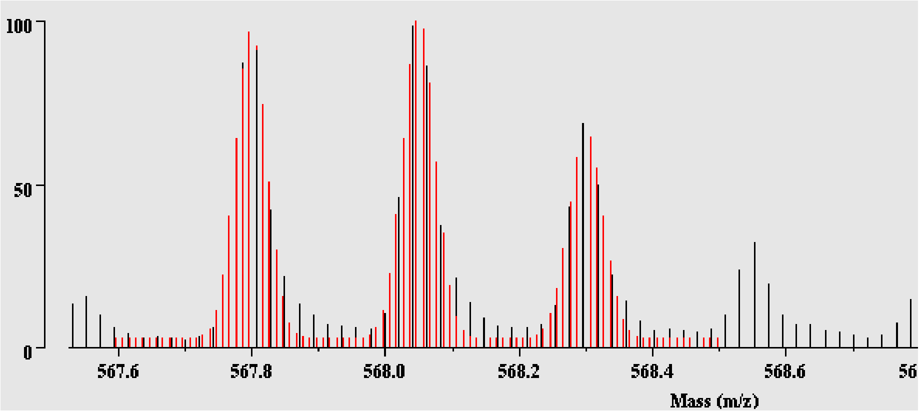
FLIATGERPR^{+3}/(455.137^{+3}/1304.5262)/O89049



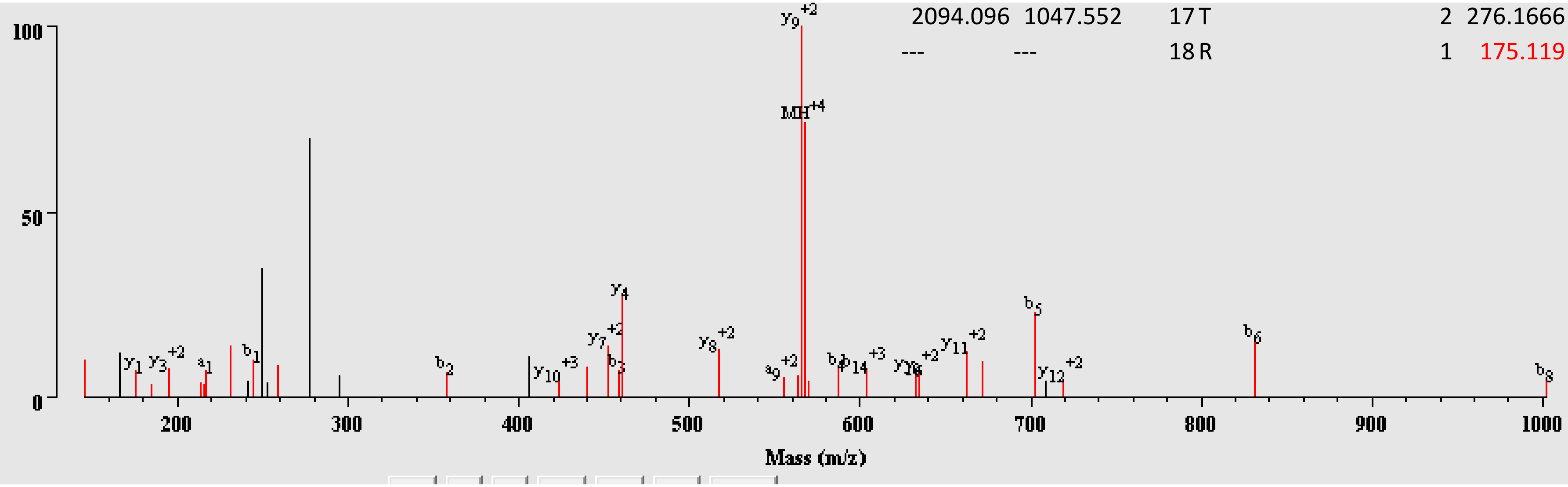
b	b+2	iTRAQ4plex			y	y+2
292.1778	---	1	F	10	---	---
405.2618	---	2	L	9	1012.59	506.7985
518.3459	---	3	I	8	899.5057	450.2565
589.383	---	4	A	7	786.4217	393.7145
690.4307	---	5	T	6	715.3846	358.1959
747.4521	---	6	G	5	614.3369	307.6721
876.4947	---	7	E	4	557.3154	279.1613
1032.596	516.8016	8	R	3	428.2728	214.6401
1129.649	565.3279	9	P	2	272.1717	136.5895
---	---	10	R	1	175.119	88.0631



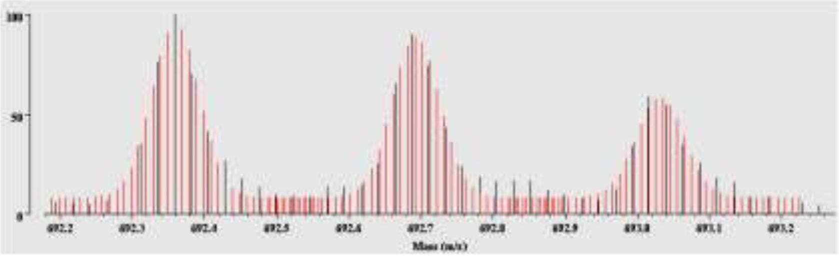
VLTEDELGHPEK(iTRAQ4plex)GDAITR^{+4}/(568.0959^{+4}/2269.361)/P05369



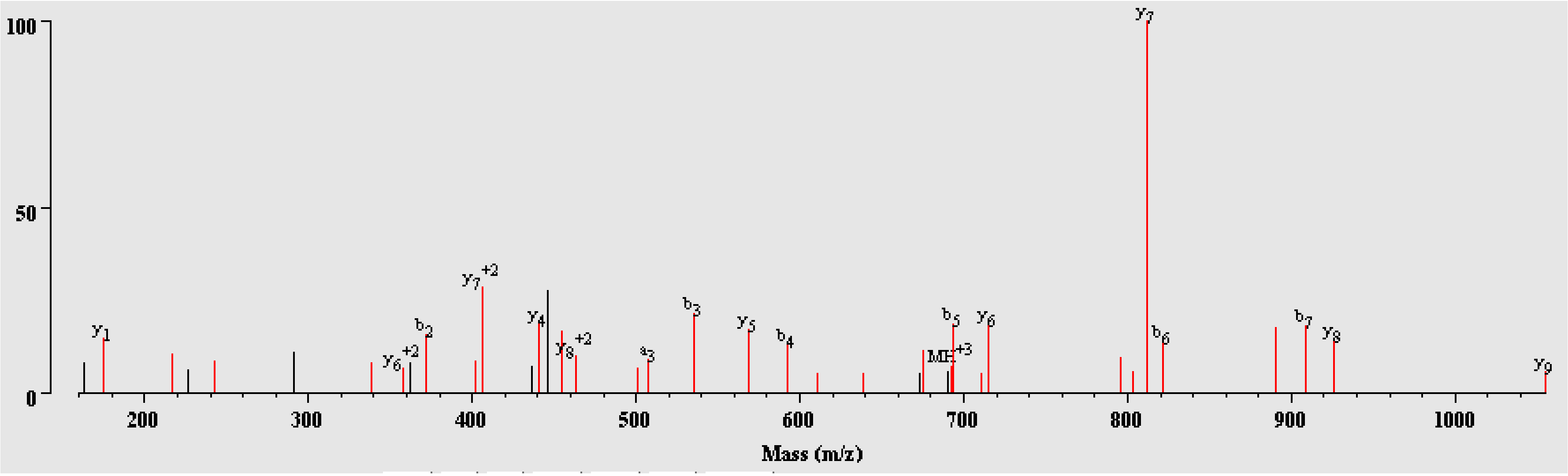
b	b+2	iTRAQ4plex		y	y+2
244.1778	---	1 V	18	---	---
357.2618	---	2 L	17	2025.037	1013.022
458.3095	---	3 T	16	1911.953	956.4801
587.3521	---	4 E	15	1810.905	905.9562
702.379	---	5 D	14	1681.863	841.4349
831.4216	---	6 E	13	1566.836	783.9215
944.5057	---	7 L	12	1437.793	719.4002
1001.527	---	8 G	11	1324.709	662.8581
1138.586	569.7967	9 H	10	1267.688	634.3474
1235.639	618.3231	10 P	9	1130.629	565.8179
1364.681	682.8443	11 E	8	1033.576	517.2916
1636.878	818.9429	12 K(iTRAQ4plex)	7	904.5332	452.7703
1693.9	847.4536	13 G	6	632.3362	316.6717
1808.927	904.9671	14 D	5	575.3148	288.161
1879.964	940.4856	15 A	4	460.2878	230.6475
1993.048	997.0277	16 I	3	389.2507	195.129
2094.096	1047.552	17 T	2	276.1666	138.587
---	---	18 R	1	175.119	88.0631



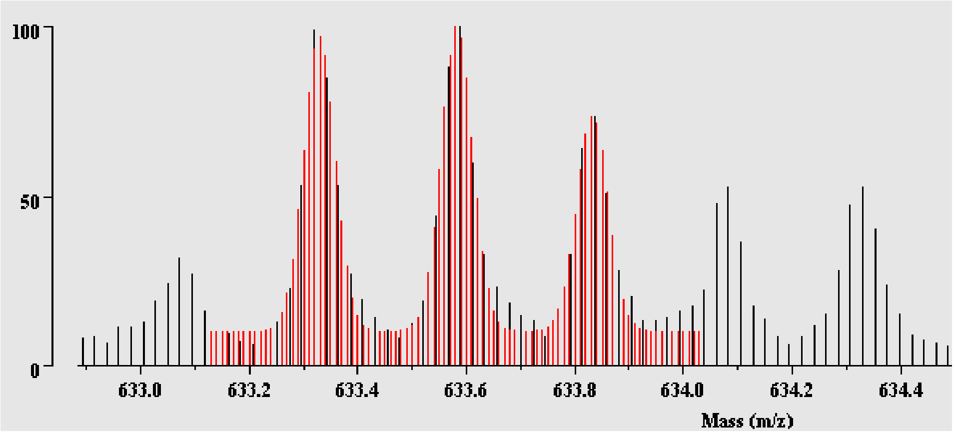
NLYGTQSLELPFQGAHR^{+3}/(692.7769^{+3}/2076.3157)/P07722



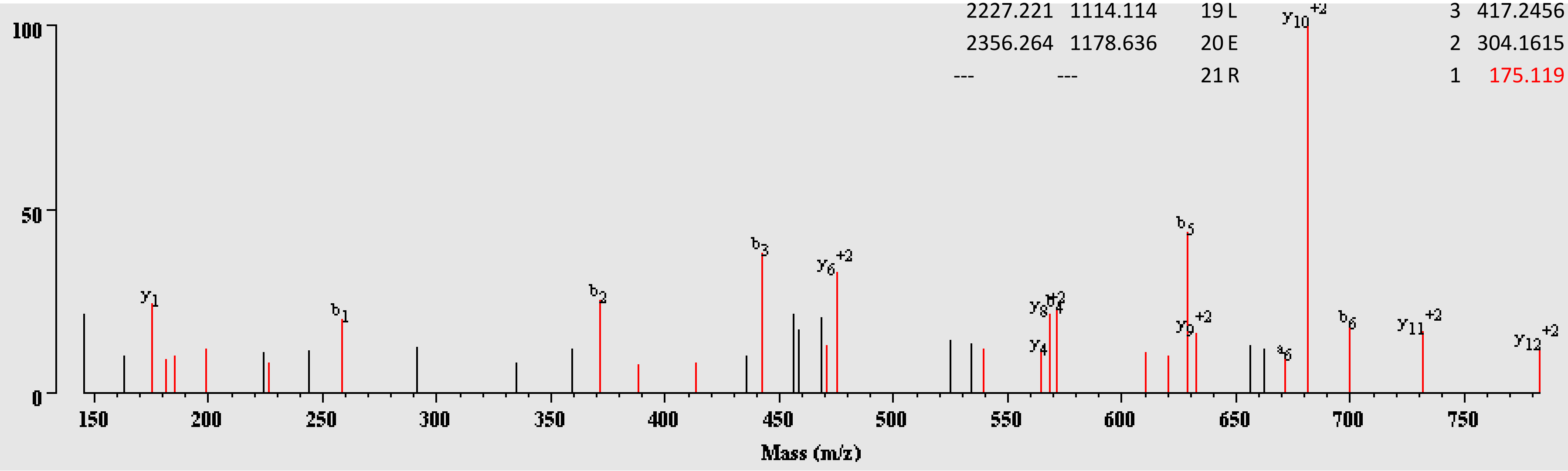
b	b+2				y	y+2
		iTRAQ4plex				
259.1523	---	1	N	17	---	---
372.2363	---	2	L	16	1816.934	908.9707
535.2997	---	3	Y	15	1703.85	852.4286
592.3211	---	4	G	14	1540.787	770.897
693.3688	---	5	T	13	1483.765	742.3862
821.4274	---	6	Q	12	1382.718	691.8624
908.4594	---	7	S	11	1254.659	627.8331
1021.544	---	8	L	10	1167.627	584.3171
1150.586	---	9	E	9	1054.543	527.7751
1263.67	---	10	L	8	925.5003	463.2538
1360.723	---	11	P	7	812.4162	406.7117
1507.791	---	12	F	6	715.3634	358.1854
1635.85	---	13	Q	5	568.295	284.6511
1692.871	---	14	G	4	440.2364	220.6219
1763.909	---	15	A	3	383.215	192.1111
1900.967	950.9873	16	H	2	312.1779	156.5926
---	---	17	R	1	175.119	88.0631



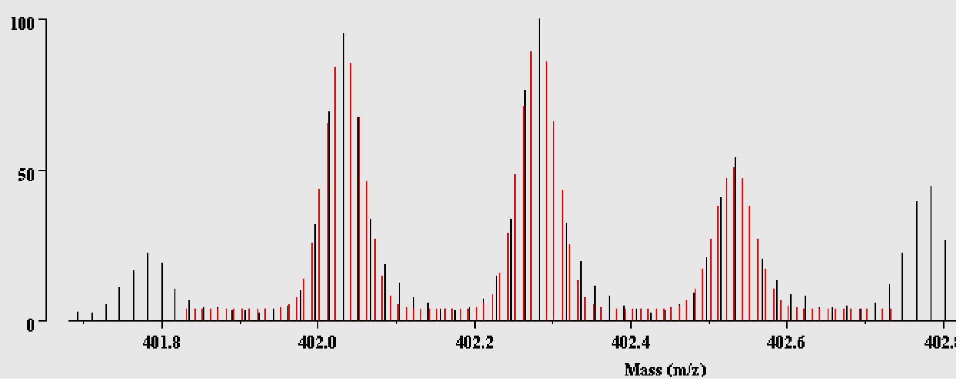
IIAEGANGPTTPEADK(iTRAQ4)IFLER^{+4}/(633.6845^{+4}/2531.7156)/P10860



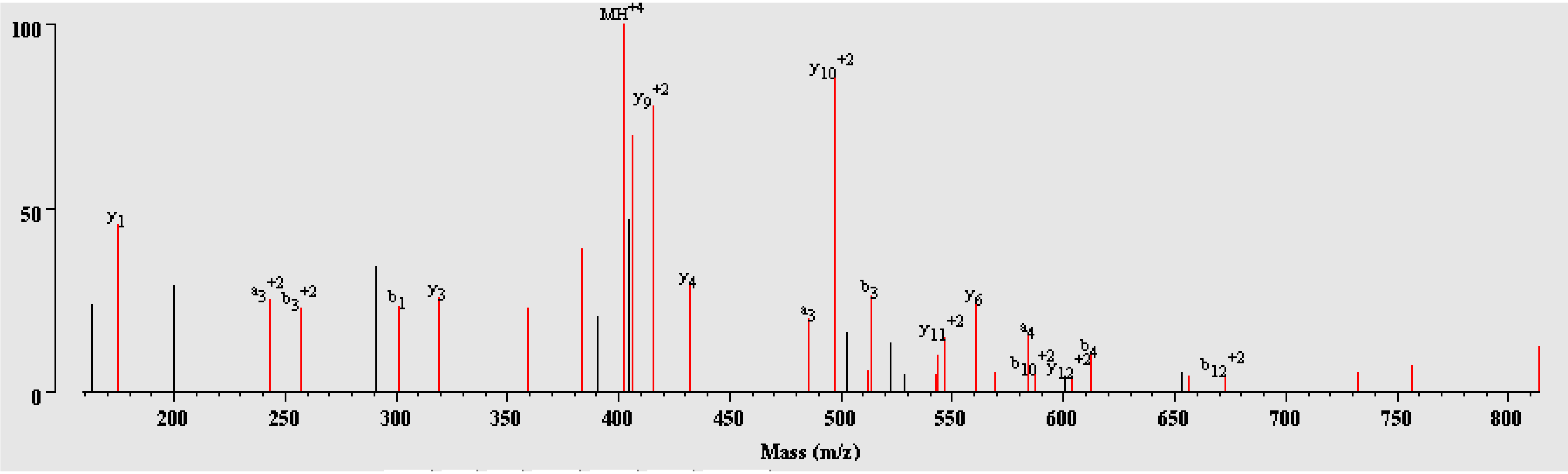
b	b+2		iTRAQ4plex		y	y+2
258.1934	---	1	I	21	---	---
371.2775	---	2	I	20	2273.189	1137.098
442.3146	---	3	A	19	2160.105	1080.556
571.3572	---	4	E	18	2089.068	1045.038
628.3786	---	5	G	17	1960.026	980.5164
699.4158	---	6	A	16	1903.004	952.0057
813.4587	---	7	N	15	1831.967	916.4872
870.4801	---	8	G	14	1717.924	859.4657
967.5329	---	9	P	13	1660.903	830.955
1068.581	---	10	T	12	1563.85	782.4286
1169.628	---	11	T	11	1462.802	731.9047
1266.681	---	12	P	10	1361.755	681.3809
1395.724	---	13	E	9	1264.702	632.8545
1466.761	---	14	A	8	1135.659	568.3332
1581.788	---	15	D	7	1064.622	532.8147
1853.985	927.496	16	K(iTRAQ4plex)	6	949.5951	475.3012
1967.069	984.038	17	I	5	677.3981	339.2027
2114.137	1057.572	18	F	4	564.314	282.6606
2227.221	1114.114	19	L	3	417.2456	209.1264
2356.264	1178.636	20	E	2	304.1615	152.5844
---	---	21	R	1	175.119	88.0631



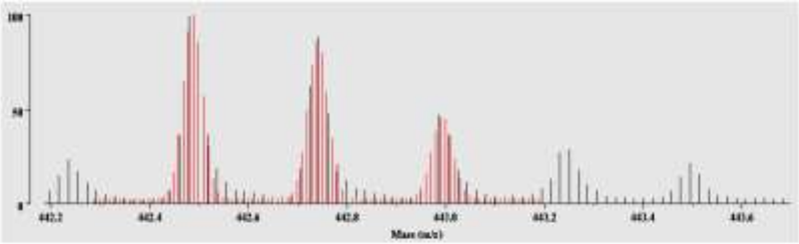
RVLVYGGRGALGSR^{+4}/(402.2248^{+4}/1605.877)/P11348



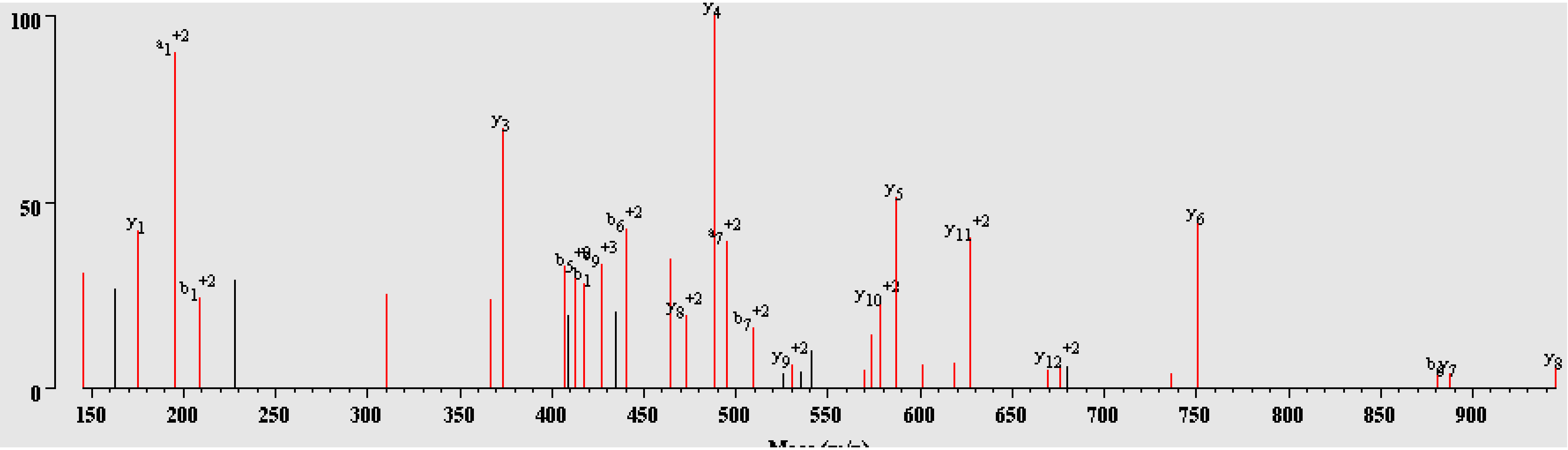
b	b+2				y	y+2
			iTRAQ4plex			
301.2104	151.1089	1	R	14	---	---
400.2789	200.6431	2	V	13	1304.743	652.8753
513.3629	257.1851	3	L	12	1205.675	603.3411
612.4313	306.7193	4	V	11	1092.591	546.7991
775.4947	388.251	5	Y	10	993.5225	497.2649
832.5161	416.7617	6	G	9	830.4591	415.7332
889.5376	445.2724	7	G	8	773.4377	387.2225
1045.639	523.323	8	R	7	716.4162	358.7117
1102.66	551.8337	9	G	6	560.3151	280.6612
1173.697	587.3523	10	A	5	503.2936	252.1504
1286.781	643.8943	11	L	4	432.2565	216.6319
1343.803	672.405	12	G	3	319.1724	160.0899
1430.835	715.9211	13	S	2	262.151	131.5791
---	---	14	R	1	175.119	88.0631



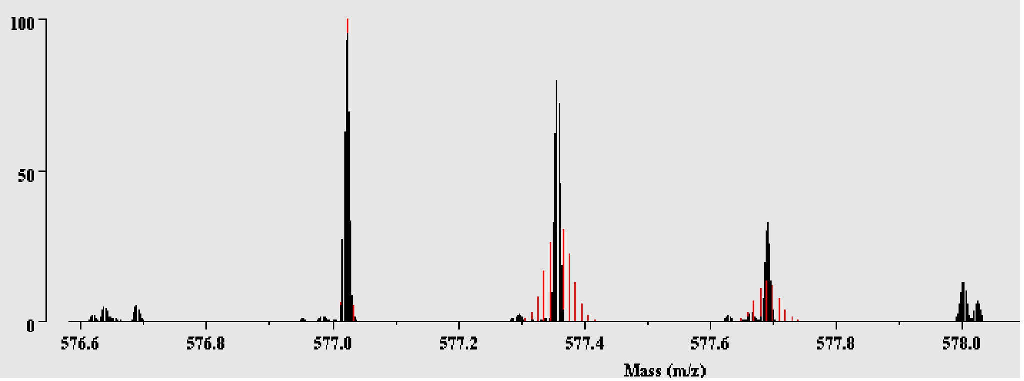
K(iTRAQ4plex)PPPDGHYVDVVR^{+4}/(442.7224^{+4}/1767.8672) /P14942



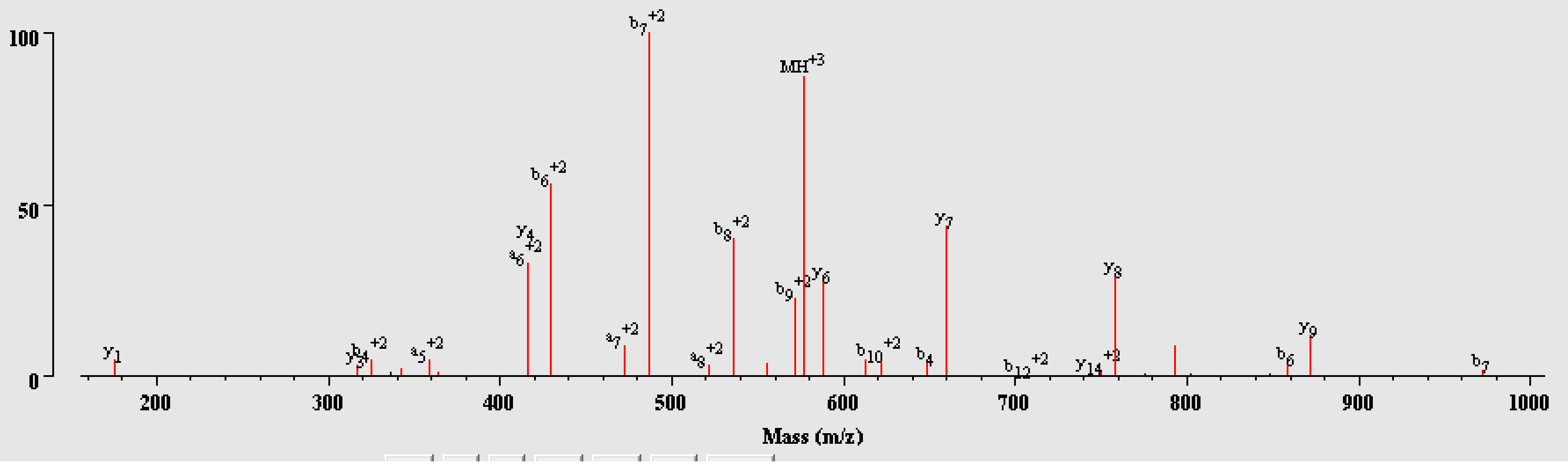
b	b+2		iTRAQ4plex		y	y+2
417.3064	209.1568	1	K(iTRAQ4plex)	13	---	---
514.3591	257.6832	2	P	12	1350.68	675.8437
611.4119	306.2096	3	P	11	1253.627	627.3173
708.4647	354.736	4	P	10	1156.575	578.7909
823.4916	412.2494	5	D	9	1059.522	530.2645
880.5131	440.7602	6	G	8	944.4948	472.7511
1017.572	509.2896	7	H	7	887.4734	444.2403
1180.635	590.8213	8	Y	6	750.4145	375.7109
1279.704	640.3555	9	V	5	587.3511	294.1792
1394.731	697.869	10	D	4	488.2827	244.645
1493.799	747.4032	11	V	3	373.2558	187.1315
1592.868	796.9374	12	V	2	274.1874	137.5973
---	---	13	R	1	175.119	88.0631



SGK(iTRAQ4plex)SPILVATAVAAR^{+3}/(577.3058^{+3}/1729.9026) /P16381

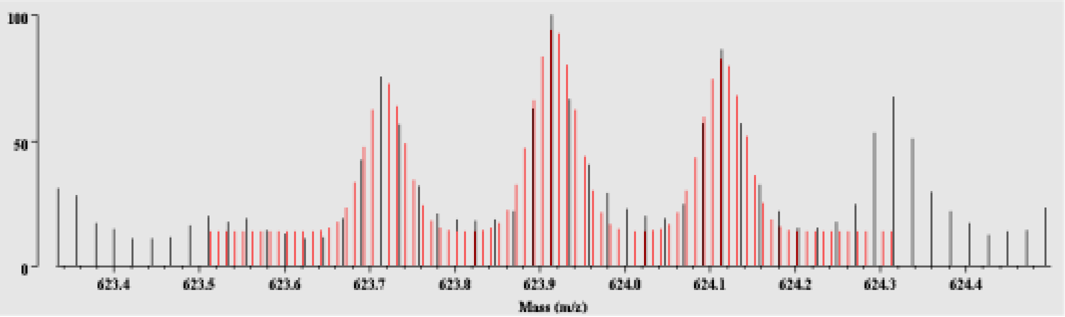


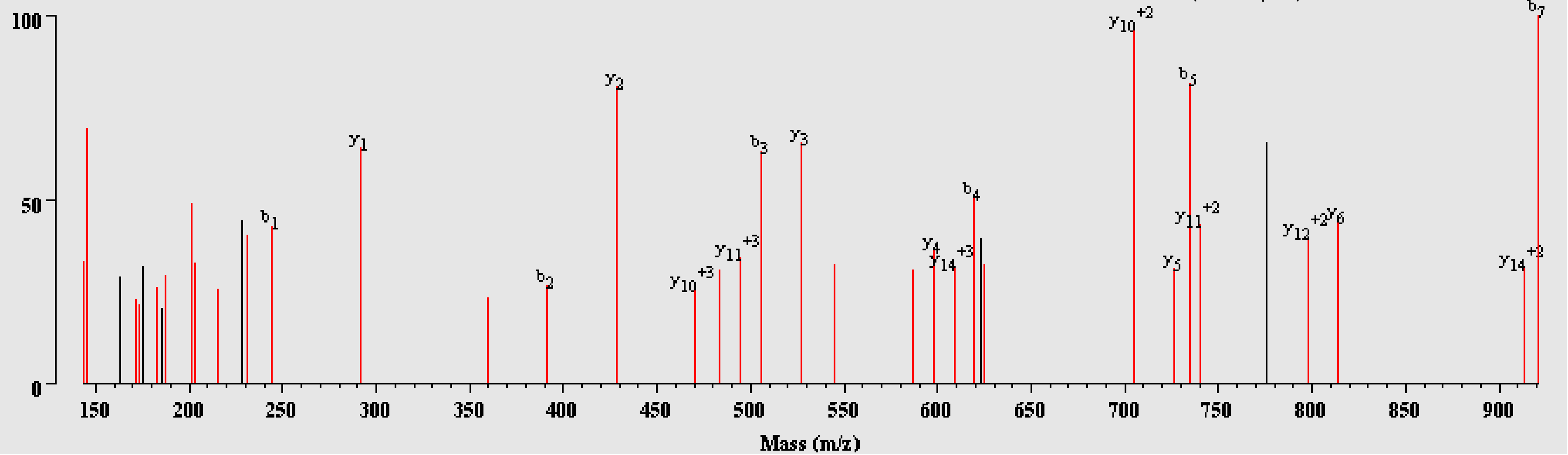
b	b+2	iTRAQ4plex		y	y+2
232.1414	---	1 S	15	---	---
289.1628	---	2 G	14	1497.923	749.4653
561.3599	281.1836	3 K(iTRAQ4plex)	13	1440.902	720.9546
648.3919	324.6996	4 S	12	1168.705	584.8561
745.4446	373.226	5 P	11	1081.673	541.34
858.5287	429.768	6 I	10	984.62	492.8137
971.6128	486.31	7 L	9	871.536	436.2716
1070.681	535.8442	8 V	8	758.4519	379.7296
1141.718	571.3628	9 A	7	659.3835	330.1954
1242.766	621.8866	10 T	6	588.3464	294.6768
1313.803	657.4052	11 A	5	487.2987	244.153
1412.872	706.9394	12 V	4	416.2616	208.6344
1483.909	742.458	13 A	3	317.1932	159.1002
1554.946	777.9765	14 A	2	246.1561	123.5817
---	---	15 R	1	175.119	88.0631



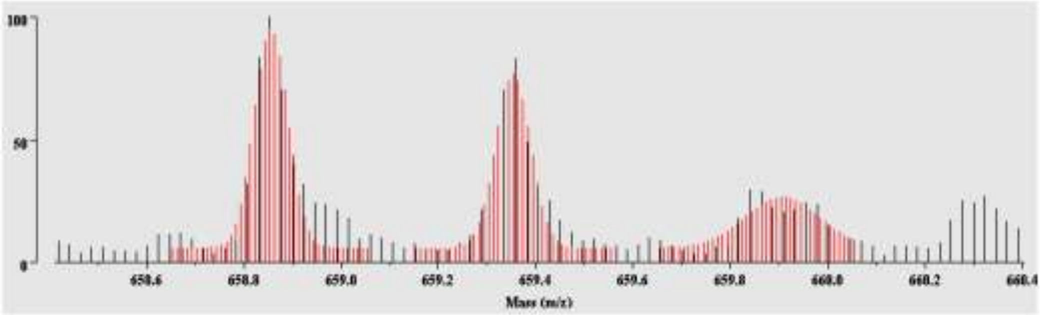
VFNNDADLSGITEDAPLK(iTRAQ4)LSQAVHK(iTRAQ4)$^{+5}$/(624.0453^{+5}/3116.1966)/P17475

b	b+2		iTRAQ4plex		y	y+2
244.18	---	1.00	V	25.00	---	---
391.25	---	2.00	F	24.00	2871.51	1436.26
505.29	---	3.00	N	23.00	2724.44	1362.72
619.33	---	4.00	N	22.00	2610.40	1305.70
734.36	---	5.00	D	21.00	2496.35	1248.68
805.40	---	6.00	A	20.00	2381.33	1191.17
920.42	---	7.00	D	19.00	2310.29	1155.65
1033.51	---	8.00	L	18.00	2195.26	1098.14
1120.54	---	9.00	S	17.00	2082.18	1041.59
1177.56	---	10.00	G	16.00	1995.15	998.08
1290.64	---	11.00	I	15.00	1938.13	969.57
1391.69	---	12.00	T	14.00	1825.04	913.02
1520.73	---	13.00	E	13.00	1723.99	862.50
1635.76	---	14.00	D	12.00	1594.95	797.98
1706.80	---	15.00	A	11.00	1479.92	740.47
1803.85	---	16.00	P	10.00	1408.89	704.95
1916.94	---	17.00	L	9.00	1311.84	656.42
2189.13	1095.07	18.00	K(iTRAQ4plex)	8.00	1198.75	599.88
2302.22	1151.61	19.00	L	7.00	926.55	463.78
2389.25	1195.13	20.00	S	6.00	813.47	407.24
2517.31	1259.16	21.00	Q	5.00	726.44	363.72
2588.34	1294.68	22.00	A	4.00	598.38	299.69
2687.41	1344.21	23.00	V	3.00	527.34	264.17
2824.47	1412.74	24.00	H	2.00	428.27	214.64
---	---	25.00	K(iTRAQ4plex)	1.00	291.21	146.11

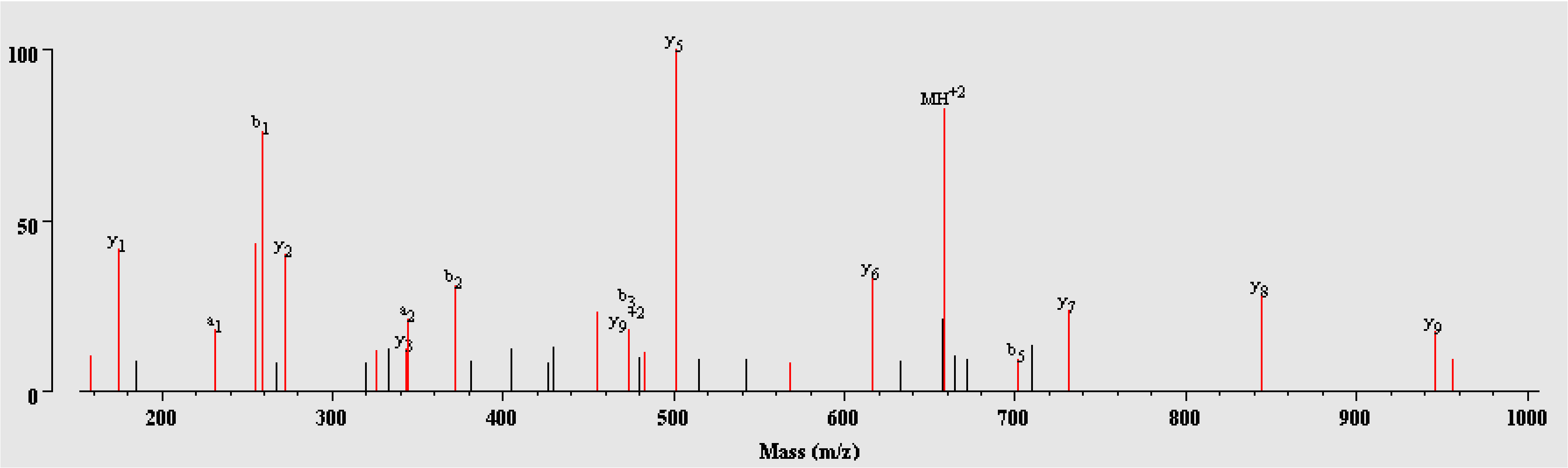




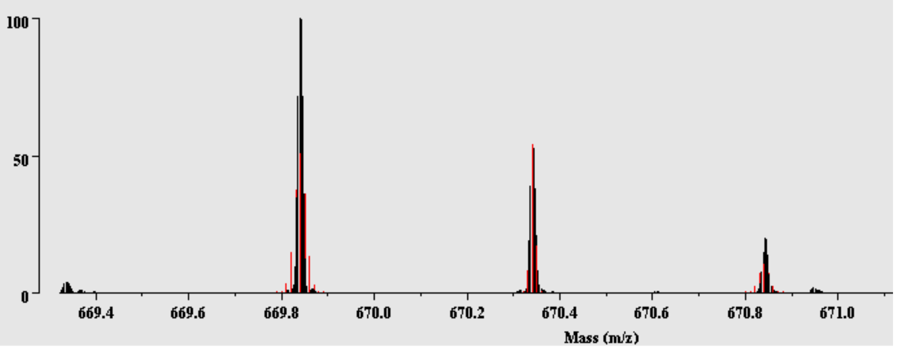
NITLDDASAPR^{+2}/(659.2197^{+2}/1317.432)/P18395



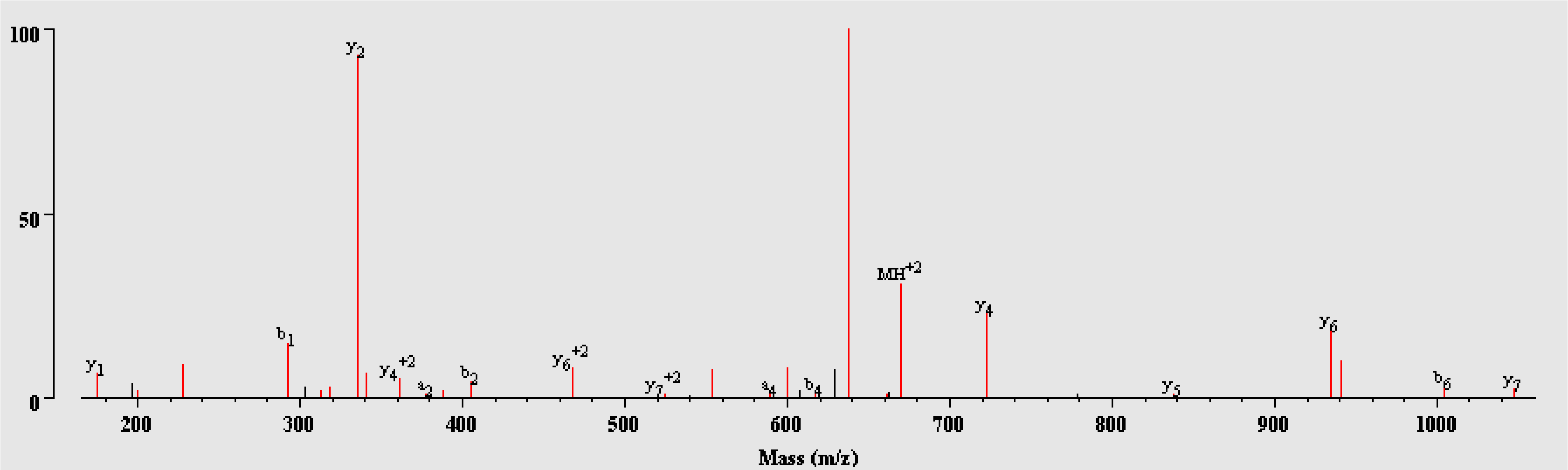
b			y	y+2
	iTRAQ4plex			
259.1523	1 N	11	---	---
372.2363	2 I	10	1058.548	529.7775
473.284	3 T	9	945.4636	473.2354
586.3681	4 L	8	844.4159	422.7116
701.395	5 D	7	731.3319	366.1696
816.422	6 D	6	616.3049	308.6561
887.4591	7 A	5	501.278	251.1426
974.4911	8 S	4	430.2409	215.6241
1045.528	9 A	3	343.2088	172.1081
1142.581	10 P	2	272.1717	136.5895
---	11 R	1	175.119	88.0631



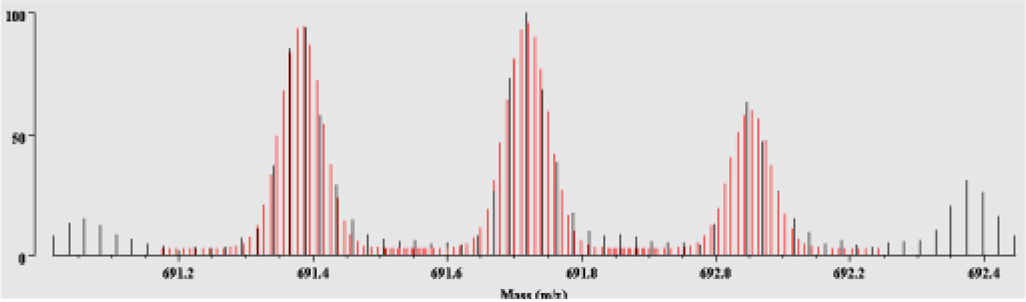
M(Ox)LPDK(iTRAQ4)DC(Carbamidomethyl)R^{+2}/ (670.0473^{+2}/1339.0871)/P18760



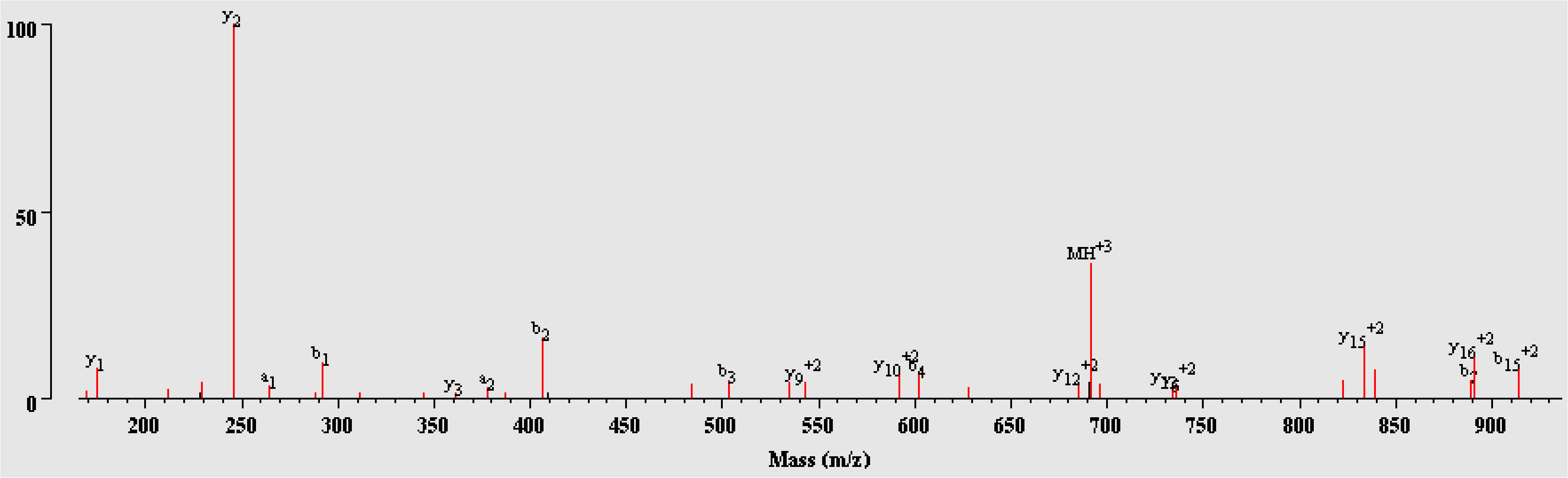
b	b+2				y	y+2
292.1447	---	1	iTRAQ4plex M(Oxidation)	8	---	---
405.2288	---	2	L	7	1047.537	524.2723
502.2816	---	3	P	6	934.4533	467.7303
617.3085	---	4	D	5	837.4005	419.2039
889.5055	445.2564	5	K(iTRAQ4plex)	4	722.3736	361.6904
1004.533	502.7699	6	D	3	450.1765	225.5919
1164.563	582.7852	7	C(Carbamidomethyl)	2	335.1496	168.0784
---	---	8	R	1	175.119	88.0631



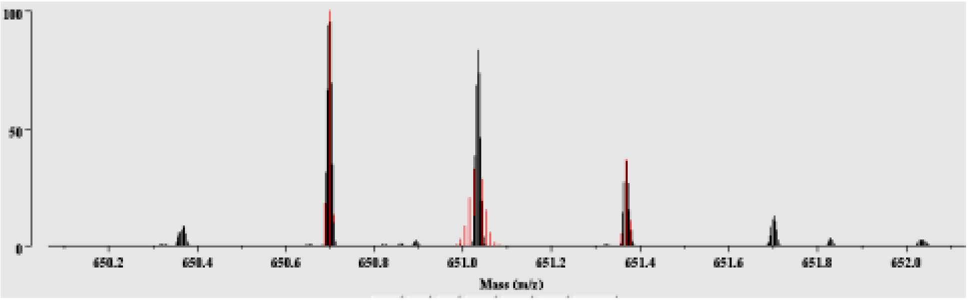
FNPVTGEVPPRYPLDAR^{+3}/(691.7902^{+3}/2073.3557)/P20059



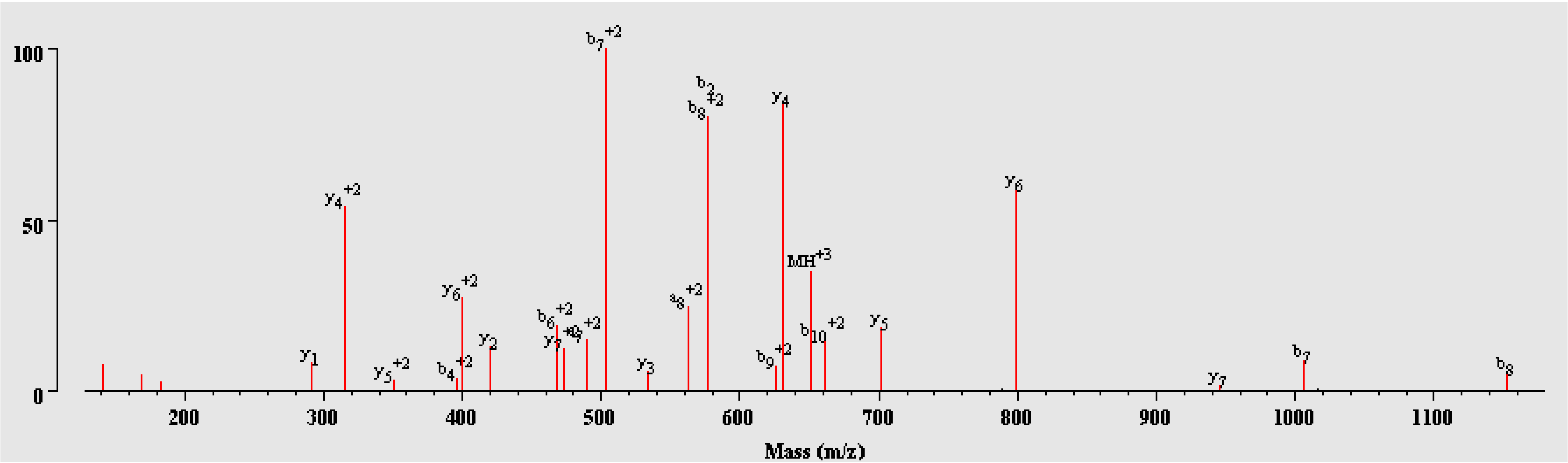
b	b+2	iTRAQ4plex		y	y+2
292.1778	---	1 F	17	---	---
406.2207	---	2 N	16	1780.934	890.9707
503.2734	---	3 P	15	1666.891	833.9492
602.3419	---	4 V	14	1569.838	785.4228
703.3895	---	5 T	13	1470.77	735.8886
760.411	---	6 G	12	1369.722	685.3648
889.4536	---	7 E	11	1312.701	656.854
988.522	---	8 V	10	1183.658	592.3327
1085.575	---	9 P	9	1084.59	542.7985
1182.628	---	10 P	8	987.537	494.2722
1338.729	669.868	11 R	7	890.4843	445.7458
1501.792	751.3996	12 Y	6	734.3832	367.6952
1598.845	799.926	13 P	5	571.3198	286.1636
1711.929	856.468	14 L	4	474.2671	237.6372
1826.956	913.9815	15 D	3	361.183	181.0951
1897.993	949.5001	16 A	2	246.1561	123.5817
---	---	17 R	1	175.119	88.0631



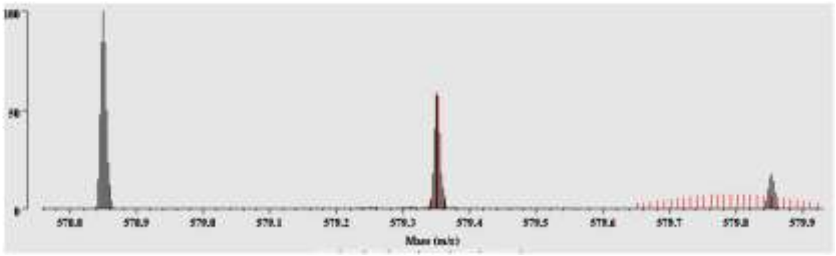
C(Carbamidomethyl)K(iTRAQ4)VNSGAFPAPIEK(iTRAQ4)$^{+3}$ /(650.9452^{+3}/1950.8207)/P20760



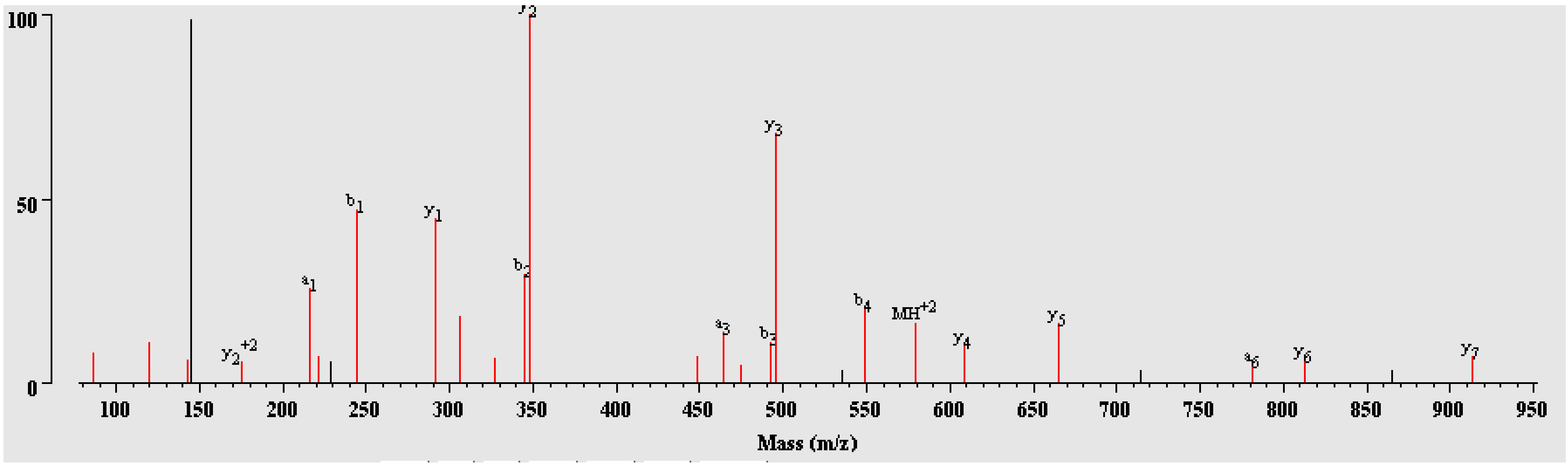
b	b+2				y	y+2
305.14	---	1	iTRAQ4plex C(Carbamidomethyl)	14	---	---
577.337	289.1721	2	K(iTRAQ4plex)	13	1645.952	823.4794
676.4054	338.7064	3	V	12	1373.755	687.3809
790.4484	395.7278	4	N	11	1274.686	637.8467
877.4804	439.2438	5	S	10	1160.643	580.8252
934.5018	467.7546	6	G	9	1073.611	537.3092
1005.539	503.2731	7	A	8	1016.59	508.7985
1152.607	576.8073	8	F	7	945.5526	473.2799
1249.66	625.3337	9	P	6	798.4842	399.7457
1320.697	660.8523	10	A	5	701.4314	351.2193
1417.75	709.3786	11	P	4	630.3943	315.7008
1530.834	765.9207	12	I	3	533.3415	267.1744
1659.877	830.442	13	E	2	420.2575	210.6324
---	---	14	K(iTRAQ4plex)	1	291.2149	146.1111



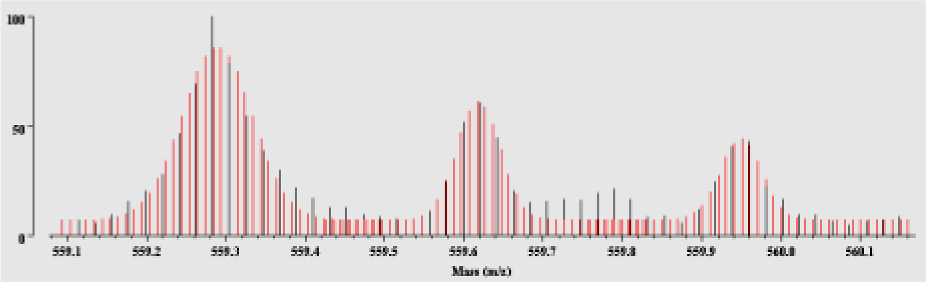
VTFGLFGK(iTRAQ4)$^{+2}$/(579.1217^{+2}/1157.236)/P24368



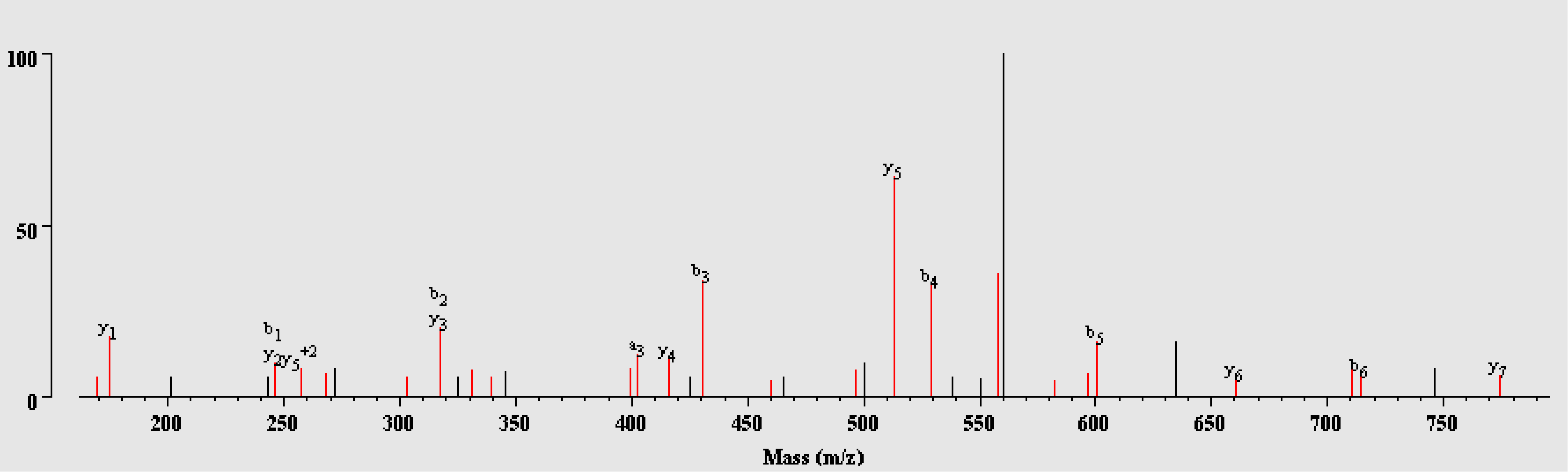
b			y	y+2
	iTRAQ4plex			
244.1778	1 V	8	---	---
345.2254	2 T	7	913.5264	457.2668
492.2938	3 F	6	812.4787	406.743
549.3153	4 G	5	665.4103	333.2088
662.3994	5 L	4	608.3888	304.698
809.4678	6 F	3	495.3047	248.156
866.4893	7 G	2	348.2363	174.6218
---	8 K(iTRAQ4plex)	1	291.2149	146.1111



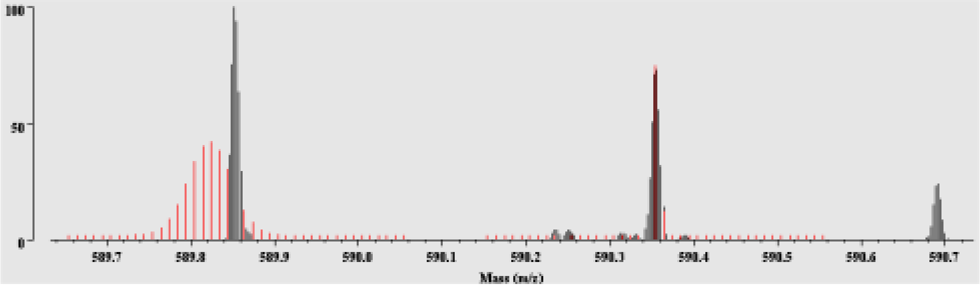
TALVANTSNM(Ox)PVAAR^{+3}/(559.593^{+3}/1676.7642)/P50516



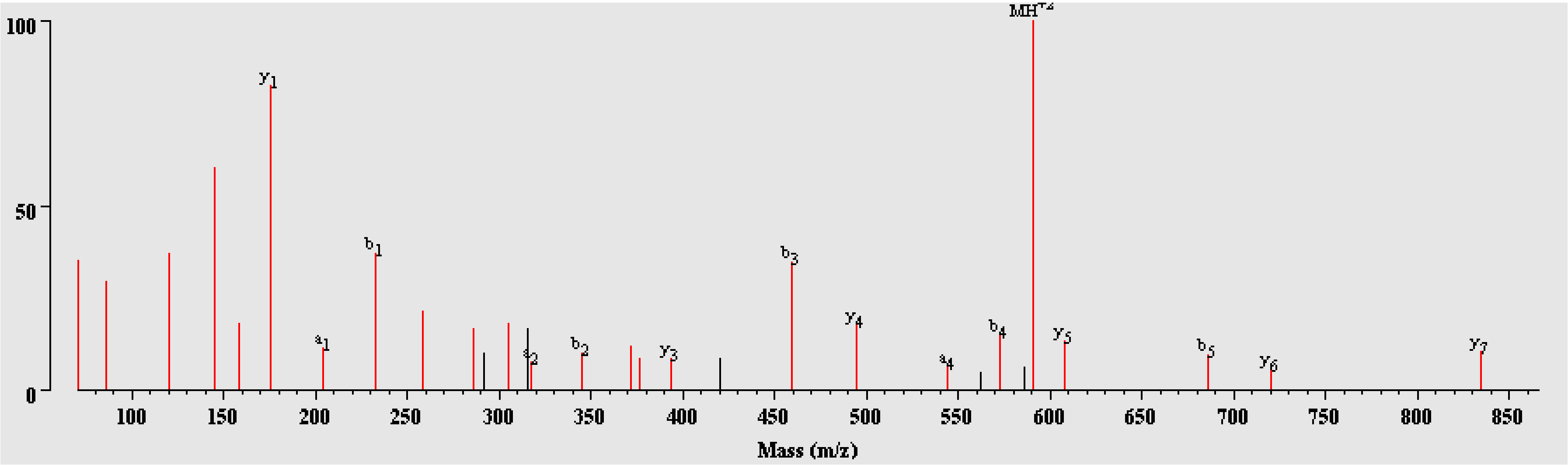
b			y	y+2
	iTRAQ4plex			
246.157	1 T	15	---	---
317.1941	2 A	14	1430.742	715.8747
430.2782	3 L	13	1359.705	680.3561
529.3466	4 V	12	1246.621	623.8141
600.3837	5 A	11	1147.552	574.2799
714.4267	6 N	10	1076.515	538.7613
815.4743	7 T	9	962.4724	481.7398
902.5064	8 S	8	861.4247	431.216
1016.549	9 N	7	774.3927	387.7
1163.585	10 M(Oxidation)	6	660.3498	330.6785
1260.637	11 P	5	513.3144	257.1608
1359.706	12 V	4	416.2616	208.6344
1430.743	13 A	3	317.1932	159.1002
1501.78	14 A	2	246.1561	123.5817
---	15 R	1	175.119	88.0631



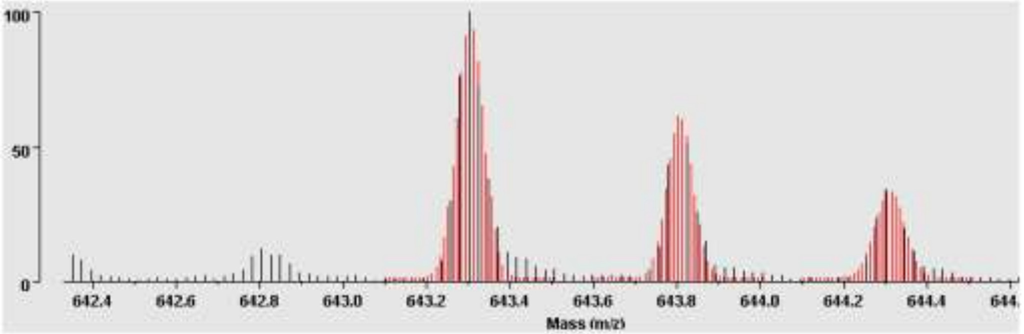
SLNILTAFR^{+2}/(589.2013^{+2}/1179.3952/P52555)



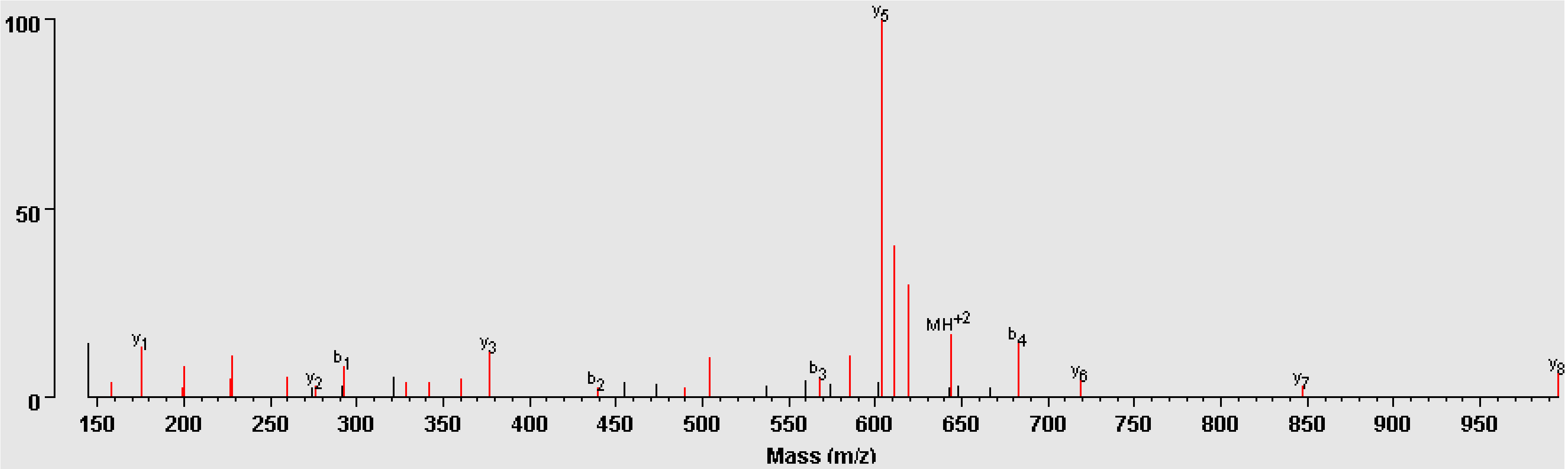
b	iTRAQ4plex		y	y+2
232.1414	1 S	9	---	---
345.2254	2 L	8	947.5673	474.2873
459.2684	3 N	7	834.4832	417.7452
572.3524	4 I	6	720.4403	360.7238
685.4365	5 L	5	607.3562	304.1817
786.4842	6 T	4	494.2722	247.6397
857.5213	7 A	3	393.2245	197.1159
1004.59	8 F	2	322.1874	161.5973
---	9 R	1	175.119	88.0631



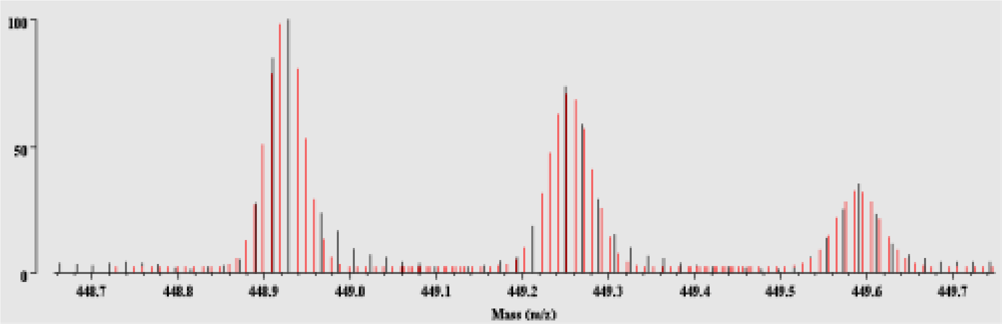
M(Ox)FEDPETTR^{+2}/(643.6195^{+2}/1286.2315)/P60229



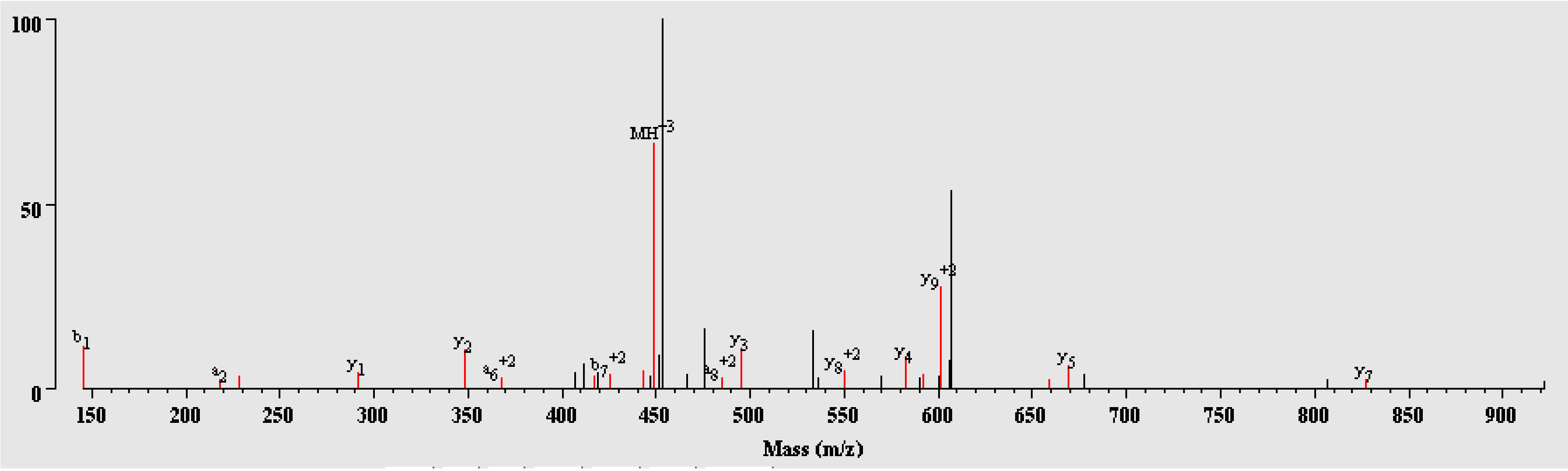
b				y	y+2
292.1447	1	iTRAQ4plex M(Oxidation)	9	---	---
439.2132	2	F	8	994.4476	497.7274
568.2557	3	E	7	847.3792	424.1932
683.2827	4	D	6	718.3366	359.6719
780.3355	5	P	5	603.3097	302.1585
909.378	6	E	4	506.2569	253.6321
1010.426	7	T	3	377.2143	189.1108
1111.473	8	T	2	276.1666	138.587
---	9	R	1	175.119	88.0631



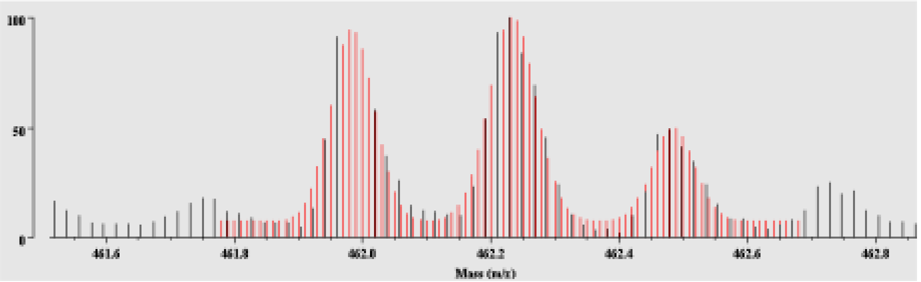
M(Met-loss)TK(iTRAQ4)GTSSFGK(iTRAQ4)$^{+3}$/ (449.0797^{+3}/1345.2243)/P61928



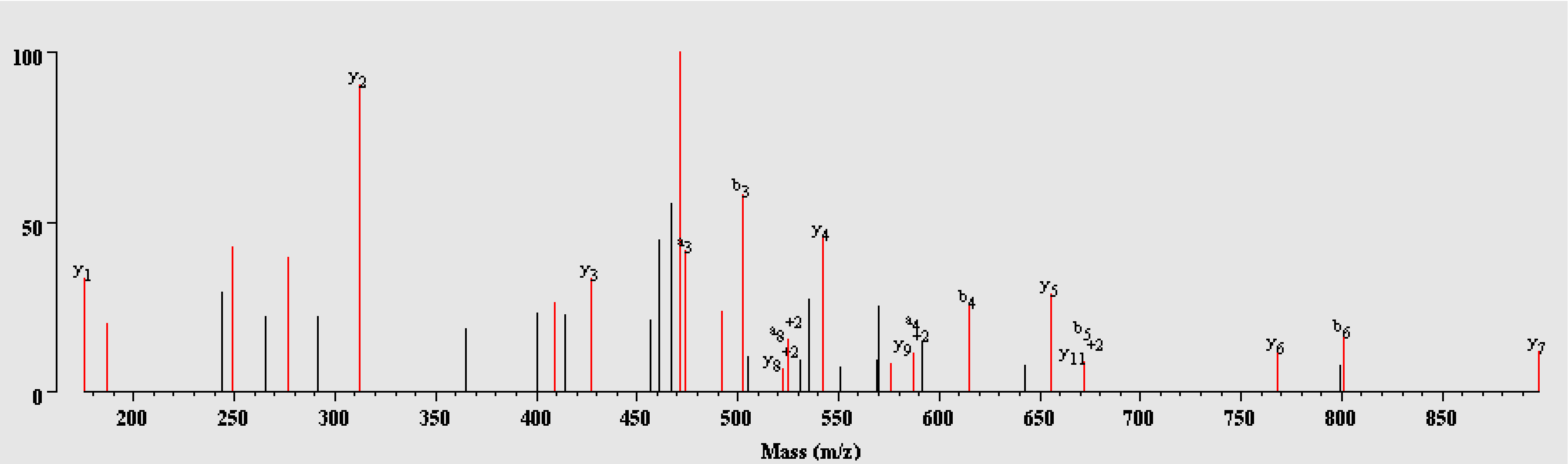
b	b+2		iTRAQ4plex		y	y+2
145.1093	---	1	M(Met-loss)	10	---	---
246.157	---	2	T	9	1200.683	600.845
518.354	259.6807	3	K(iTRAQ4plex)	8	1099.635	550.3211
575.3755	288.1914	4	G	7	827.4379	414.2226
676.4232	338.7152	5	T	6	770.4165	385.7119
763.4552	382.2312	6	S	5	669.3688	335.188
850.4872	425.7473	7	S	4	582.3368	291.672
997.5557	499.2815	8	F	3	495.3047	248.156
1054.577	527.7922	9	G	2	348.2363	174.6218
---	---	10	K(iTRAQ4plex)	1	291.2149	146.1111



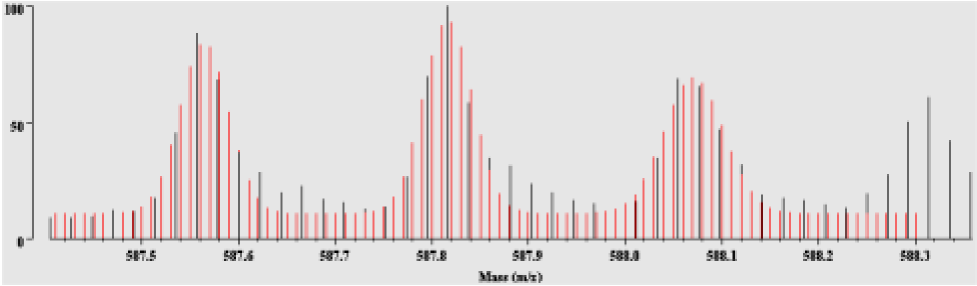
HGYIGEFEIIDDHR^{+4}/(462.2564^{+4}/1846.0035)/P62245



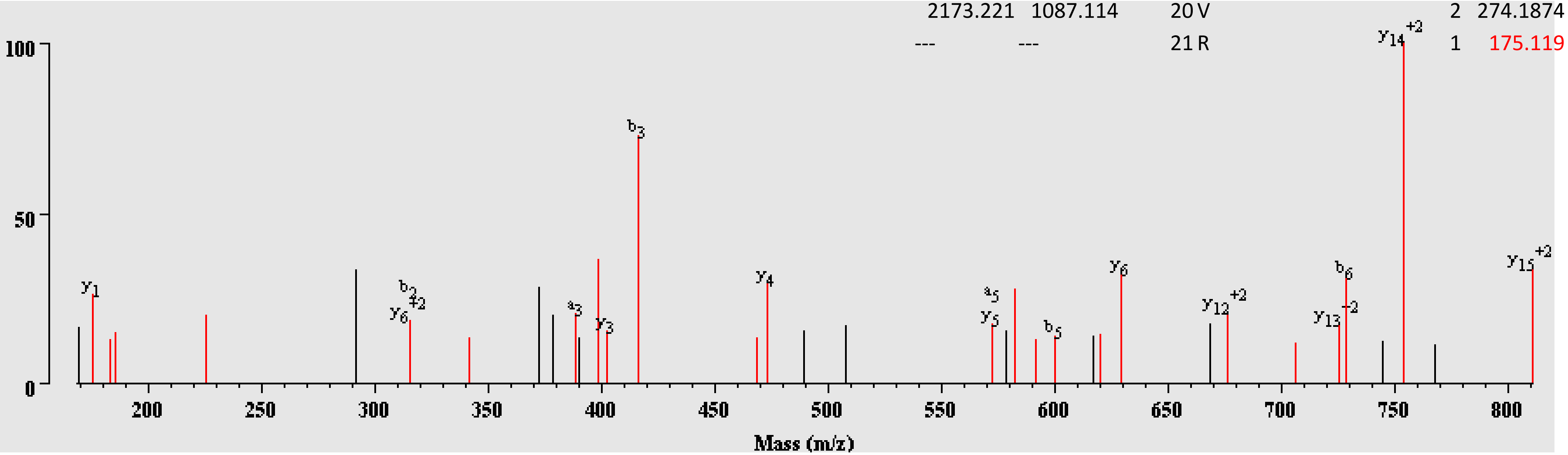
b	b+2				y	y+2
			iTRAQ4plex			
282.1683	141.5878	1	H	14	---	---
339.1897	170.0985	2	G	13	1563.744	782.3755
502.253	251.6302	3	Y	12	1506.722	753.8648
615.3371	308.1722	4	I	11	1343.659	672.3331
672.3586	336.6829	5	G	10	1230.575	615.7911
801.4012	401.2042	6	E	9	1173.554	587.2804
948.4696	474.7384	7	F	8	1044.511	522.7591
1077.512	539.2597	8	E	7	897.4425	449.2249
1190.596	595.8018	9	I	6	768.3999	384.7036
1303.68	652.3438	10	I	5	655.3158	328.1615
1418.707	709.8573	11	D	4	542.2318	271.6195
1533.734	767.3707	12	D	3	427.2048	214.106
1670.793	835.9002	13	H	2	312.1779	156.5926
---	---	14	R	1	175.119	88.0631



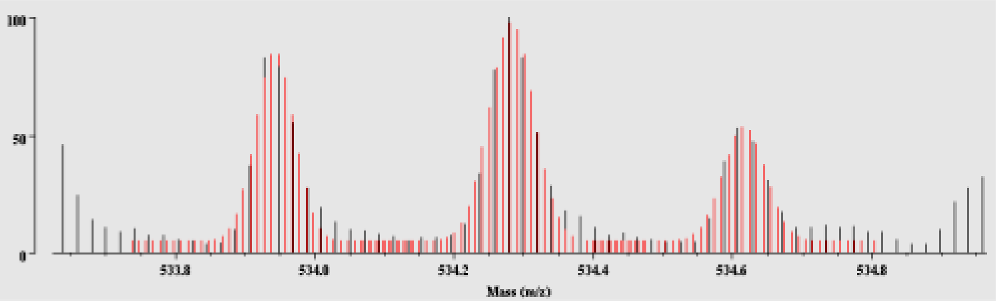
GLTPSQIGVILRDSHGVAQVR+4/(587.9329+4/2348.7094/P62278)



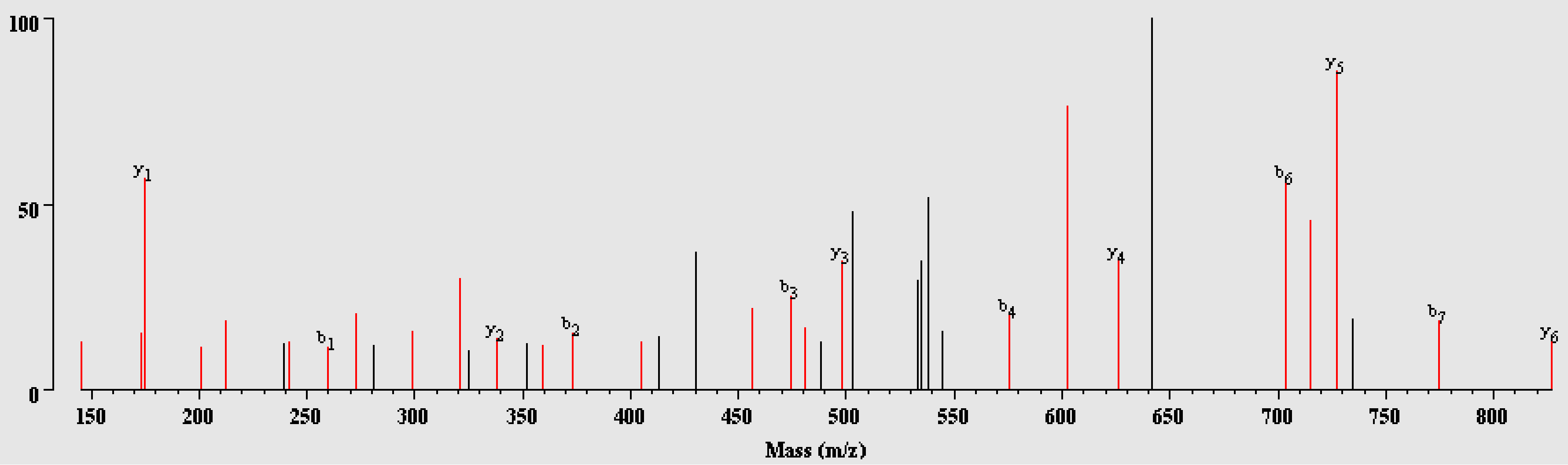
b	b+2		iTRAQ4plex		y	y+2
202.1308	---	1	G	21	---	---
315.2149	---	2	L	20	2146.209	1073.608
416.2625	---	3	T	19	2033.125	1017.066
513.3153	---	4	P	18	1932.077	966.5423
600.3473	---	5	S	17	1835.025	918.0159
728.4059	---	6	Q	16	1747.993	874.4999
841.49	---	7	I	15	1619.934	810.4706
898.5114	---	8	G	14	1506.85	753.9286
997.5799	---	9	V	13	1449.829	725.4179
1110.664	---	10	I	12	1350.76	675.8837
1223.748	---	11	L	11	1237.676	619.3416
1379.849	690.4282	12	R	10	1124.592	562.7996
1494.876	747.9417	13	D	9	968.4908	484.749
1581.908	791.4577	14	S	8	853.4639	427.2356
1718.967	859.9871	15	H	7	766.4318	383.7196
1775.988	888.4979	16	G	6	629.3729	315.1901
1875.057	938.0321	17	V	5	572.3515	286.6794
1946.094	973.5506	18	A	4	473.2831	237.1452
2074.153	1037.58	19	Q	3	402.2459	201.6266
2173.221	1087.114	20	V	2	274.1874	137.5973
---	---	21	R	1	175.119	88.0631



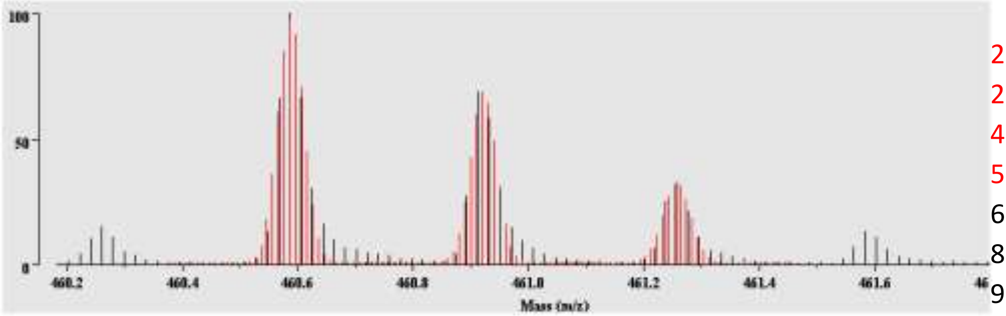
DLTTAGAVTQC(Carbamidomethyl)YR^{+3}/ (534.211^{+3}/1600.6183)/P62717



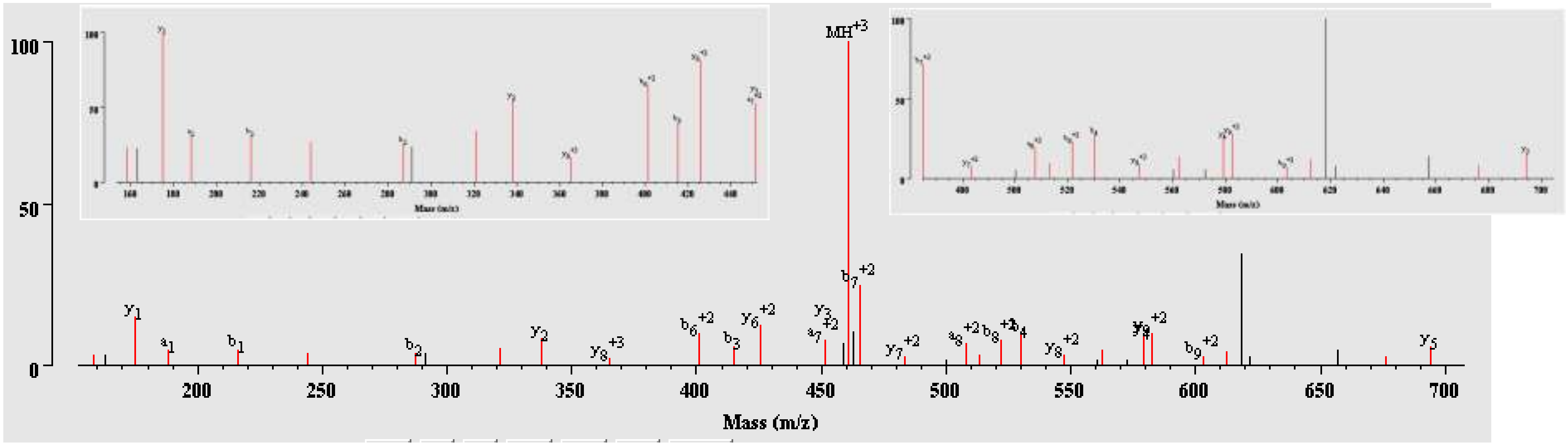
b				y	y+2
		iTRAQ4plex			
260.1363	1	D	13	---	---
373.2203	2	L	12	1340.663	670.835
474.268	3	T	11	1227.579	614.293
575.3157	4	T	10	1126.531	563.7691
646.3528	5	A	9	1025.483	513.2453
703.3743	6	G	8	954.4462	477.7267
774.4114	7	A	7	897.4247	449.216
873.4798	8	V	6	826.3876	413.6974
974.5275	9	T	5	727.3192	364.1632
1102.586	10	Q	4	626.2715	313.6394
1262.617	11	C(Carbamidomethyl)	3	498.2129	249.6101
1425.68	12	Y	2	338.1823	169.5948
---	13	R	1	175.119	88.0631



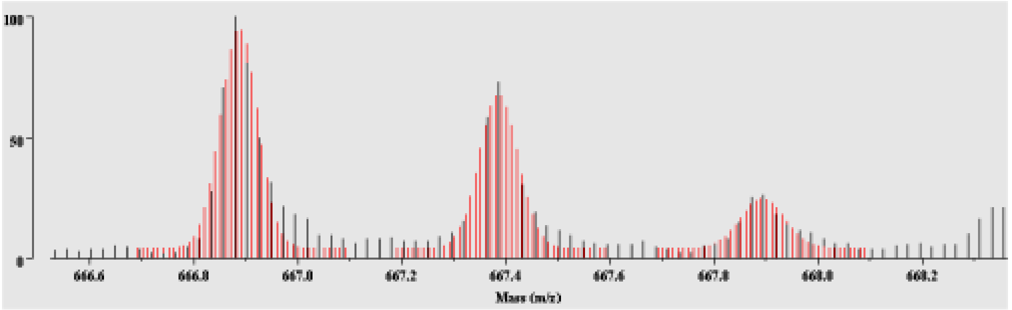
AAQDRDQIYR^{+3}/(460.8363^{+3}/1380.4941)/P62996



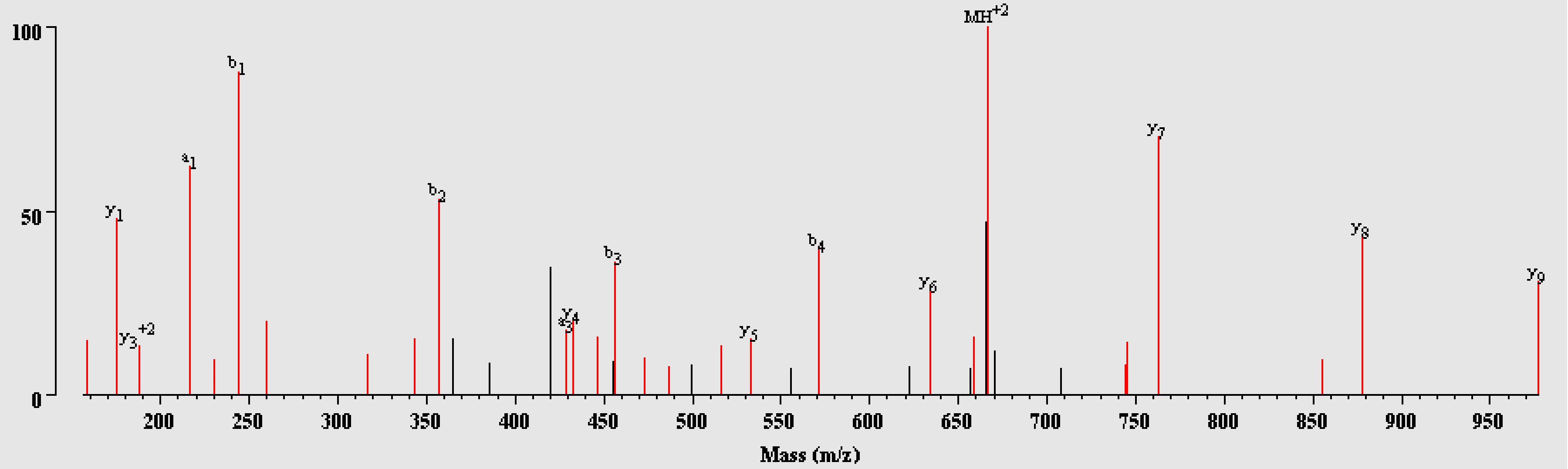
b	b+2		iTRAQ4plex		y	y+2
216.1465	---	1	A	10	---	---
287.1836	---	2	A	9	1164.576	582.7914
415.2421	---	3	Q	8	1093.539	547.2729
530.2691	---	4	D	7	965.4799	483.2436
686.3702	343.6887	5	R	6	850.453	425.7301
801.3971	401.2022	6	D	5	694.3519	347.6796
929.4557	465.2315	7	Q	4	579.3249	290.1661
1042.54	521.7735	8	I	3	451.2663	226.1368
1205.603	603.3052	9	Y	2	338.1823	169.5948
---	---	10	R	1	175.119	88.0631



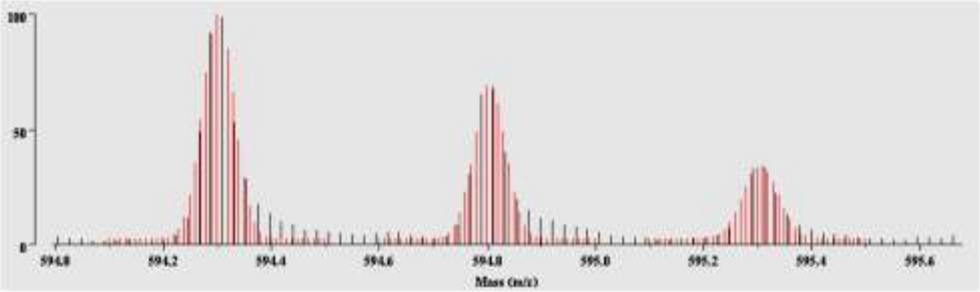
VLVDQTTGLSR^{+2}/(667.263^{+2}/1333.5186)/P70372



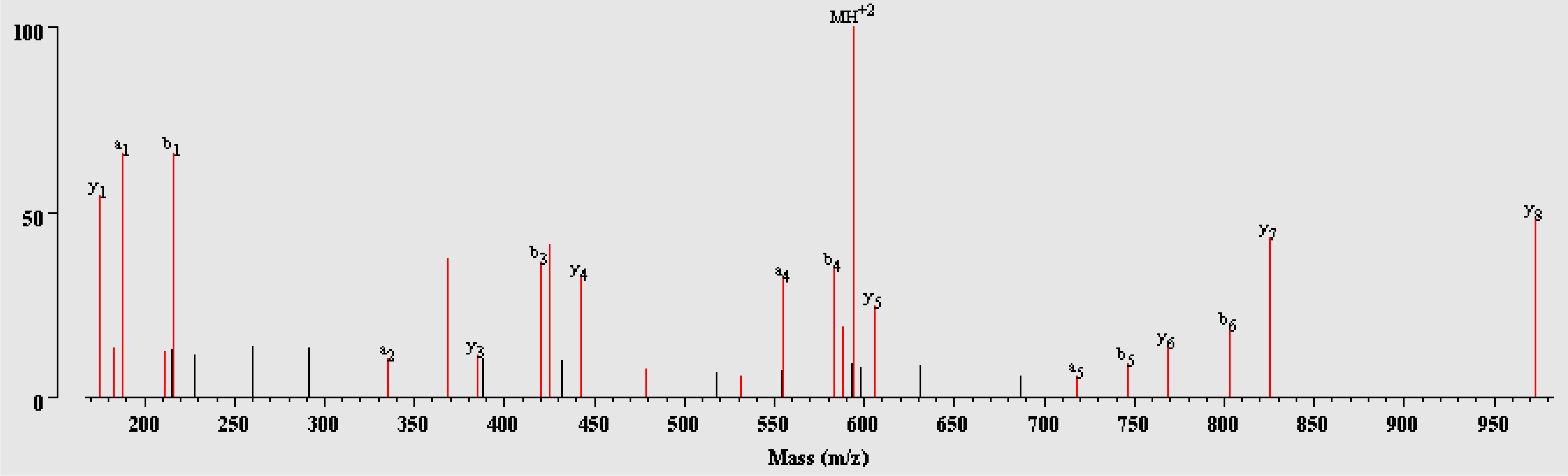
b	iTRAQ4plex			y	y+2
244.1778	1	V	11	---	---
357.2618	2	L	10	1089.59	545.2986
456.3302	3	V	9	976.5058	488.7565
571.3572	4	D	8	877.4374	439.2223
699.4158	5	Q	7	762.4104	381.7089
800.4634	6	T	6	634.3519	317.6796
901.5111	7	T	5	533.3042	267.1557
958.5326	8	G	4	432.2565	216.6319
1071.617	9	L	3	375.235	188.1212
1158.649	10	S	2	262.151	131.5791
---	11	R	1	175.119	88.0631



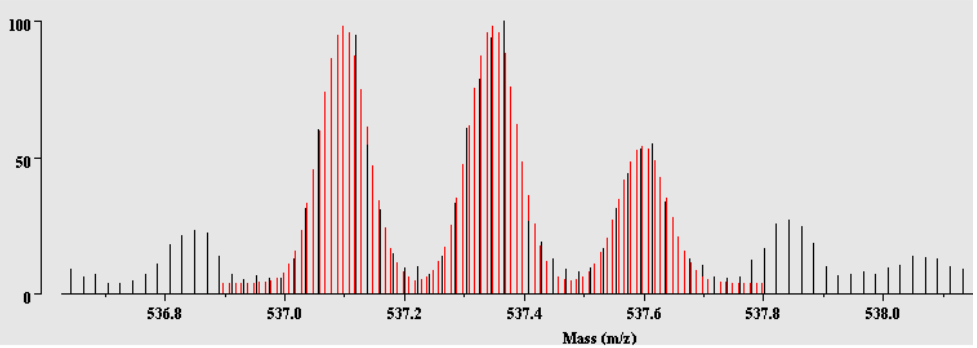
AFGYYGPLR^{+2}/(594.6846^{+2}/1188.3618)/P84104



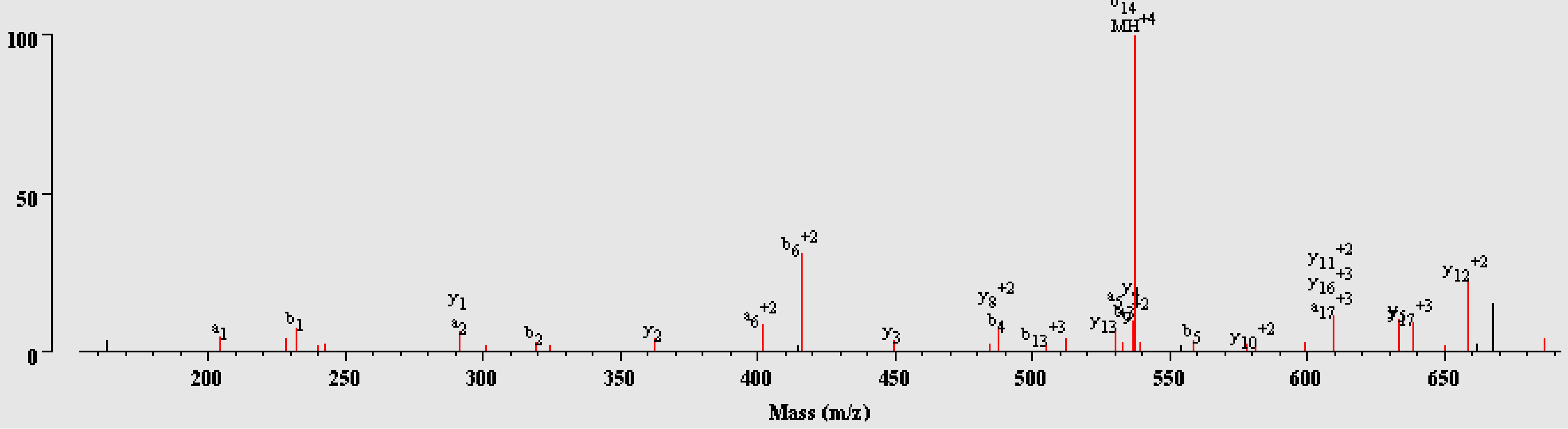
b			y	y+2
	iTRAQ4plex			
216.1465	1 A	9	---	---
363.2149	2 F	8	972.4938	486.7505
420.2363	3 G	7	825.4254	413.2163
583.2997	4 Y	6	768.4039	384.7056
746.363	5 Y	5	605.3406	303.1739
803.3845	6 G	4	442.2772	221.6423
900.4372	7 P	3	385.2558	193.1315
1013.521	8 L	2	288.203	144.6051
---	9 R	1	175.119	88.0631



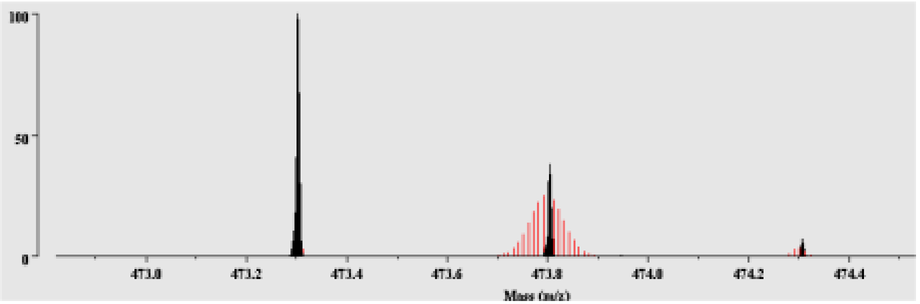
SSPAAK(iTRAQ4)PGSTPSRPSSAK(iTRAQ4)$^{+4}$/(537.2805^{+4} /2146.0996)/Q3B8Q0



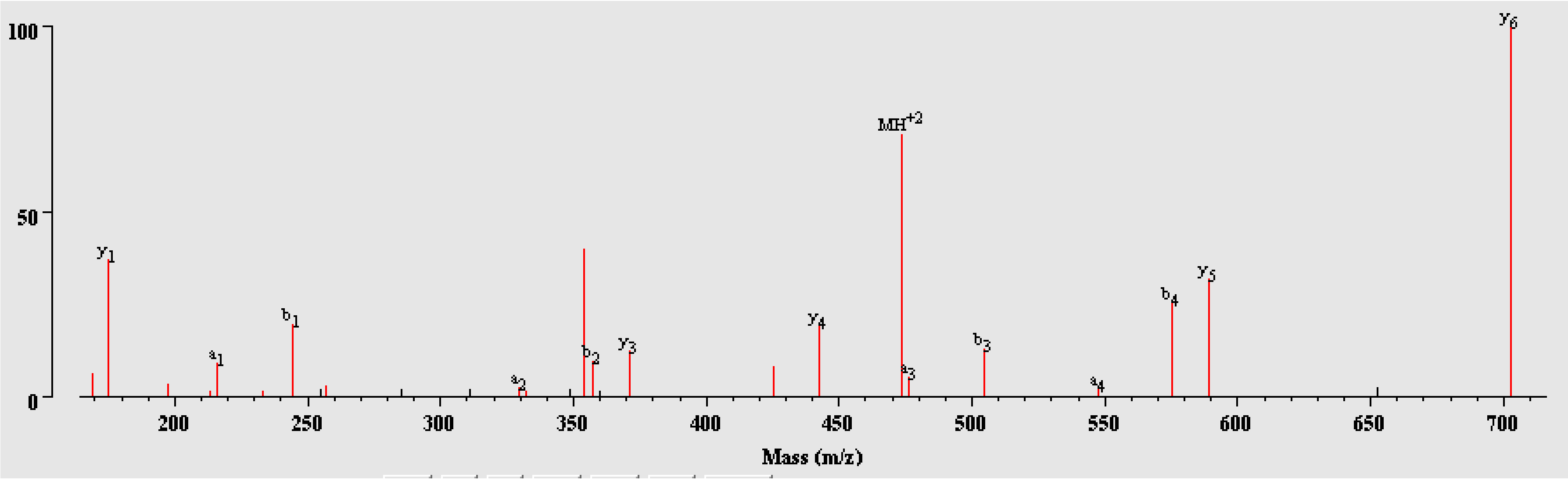
b	b+2	iTRAQ4plex		y	y+2
232.1414	---	1 S	18	---	---
319.1734	---	2 S	17	1914.065	957.536
416.2262	---	3 P	16	1827.033	914.02
487.2633	---	4 A	15	1729.98	865.4936
558.3004	---	5 A	14	1658.943	829.975
830.4974	415.7523	6 K(iTRAQ4plex)	13	1587.906	794.4565
927.5502	464.2787	7 P	12	1315.709	658.358
984.5716	492.7895	8 G	11	1218.656	609.8316
1071.604	536.3055	9 S	10	1161.634	581.3208
1172.651	586.8293	10 T	9	1074.602	537.8048
1269.704	635.3557	11 P	8	973.5547	487.281
1356.736	678.8717	12 S	7	876.5019	438.7546
1512.837	756.9223	13 R	6	789.4699	395.2386
1609.89	805.4486	14 P	5	633.3688	317.188
1696.922	848.9647	15 S	4	536.316	268.6617
1783.954	892.4807	16 S	3	449.284	225.1456
1854.991	927.9992	17 A	2	362.252	181.6296
---	---	18 K(iTRAQ4plex)	1	291.2149	146.1111



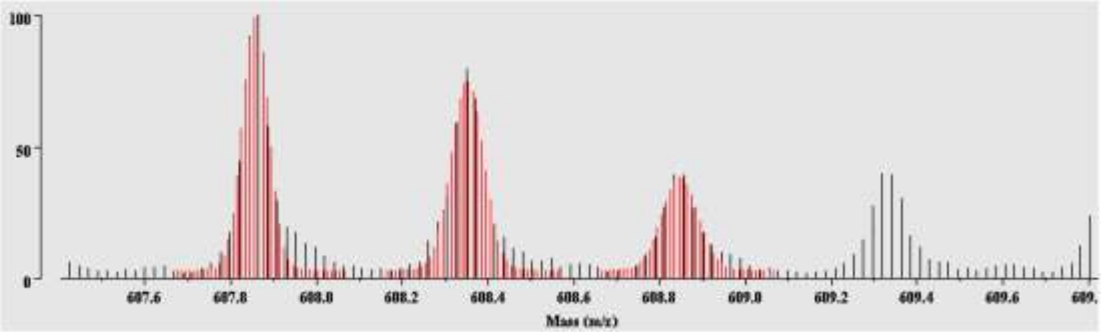
VLFAPVR^{+2}/(473.5856^{+2}/946.1697)/Q3THX5



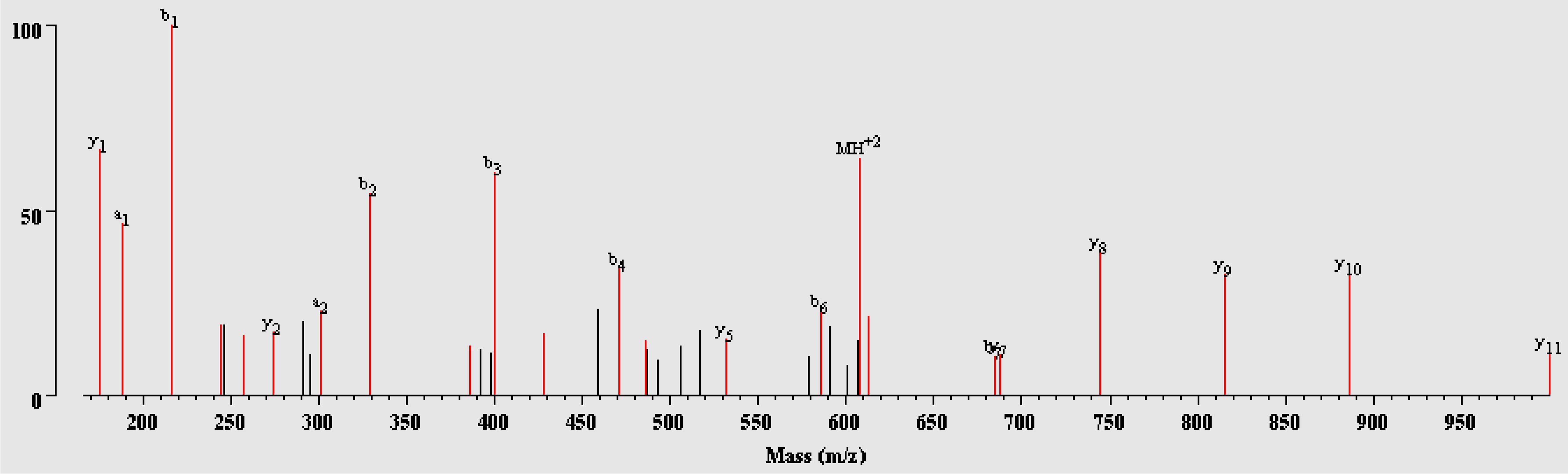
b	iTRAQ4plex		y	y+2
244.1778	1 V	7	---	---
357.2618	2 L	6	702.4297	351.7185
504.3302	3 F	5	589.3457	295.1765
575.3673	4 A	4	442.2772	221.6423
672.4201	5 P	3	371.2401	186.1237
771.4885	6 V	2	274.1874	137.5973
---	7 R	1	175.119	88.0631



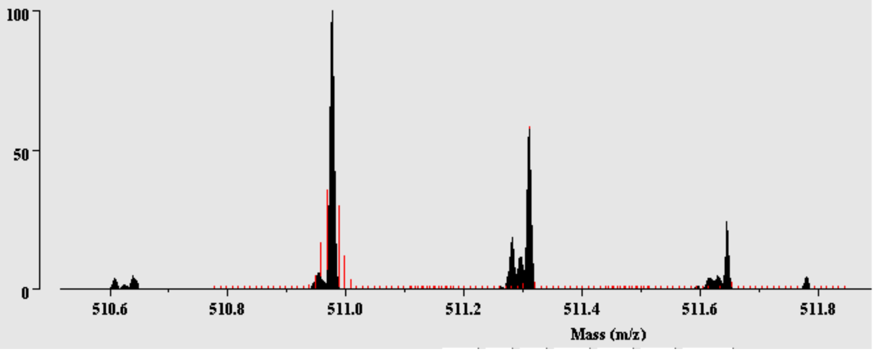
ALAAGGVGSIVR^{+2}/(608.2181^{+2}/1215.4289)/Q3TK56



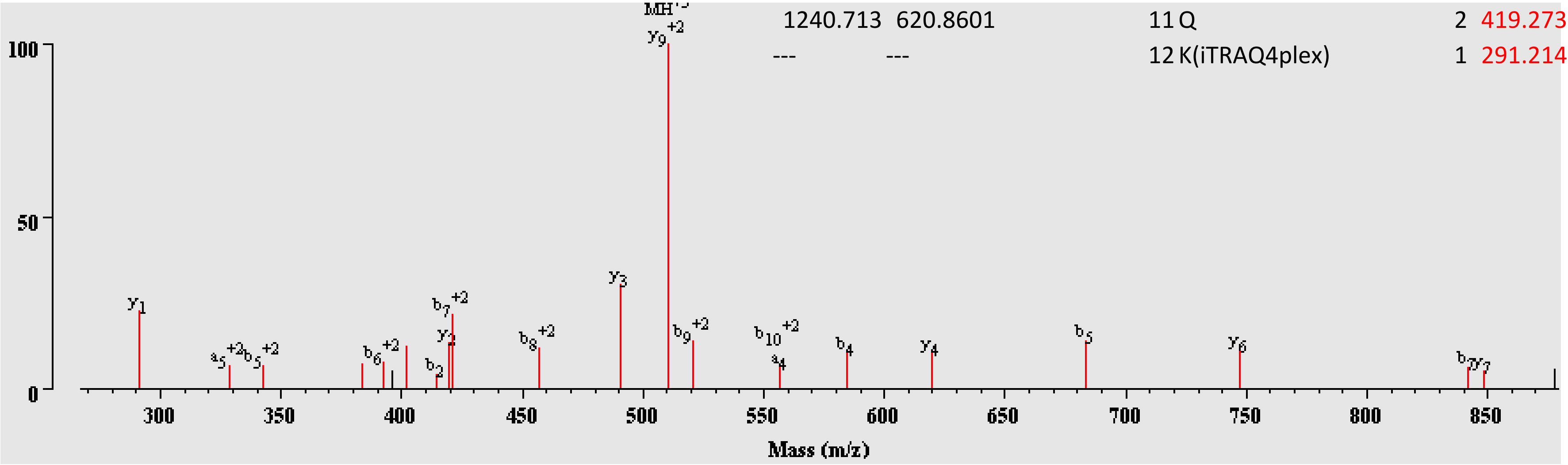
b	iTRAQ4plex		y	y+2
216.1465	1 A	12	---	---
329.2305	2 L	11	999.5946	500.3009
400.2676	3 A	10	886.5105	443.7589
471.3047	4 A	9	815.4734	408.2403
528.3262	5 G	8	744.4363	372.7218
585.3477	6 G	7	687.4148	344.211
684.4161	7 V	6	630.3933	315.7003
741.4375	8 G	5	531.3249	266.1661
828.4696	9 S	4	474.3035	237.6554
941.5536	10 I	3	387.2714	194.1394
1040.622	11 V	2	274.1874	137.5973
---	12 R	1	175.119	88.0631



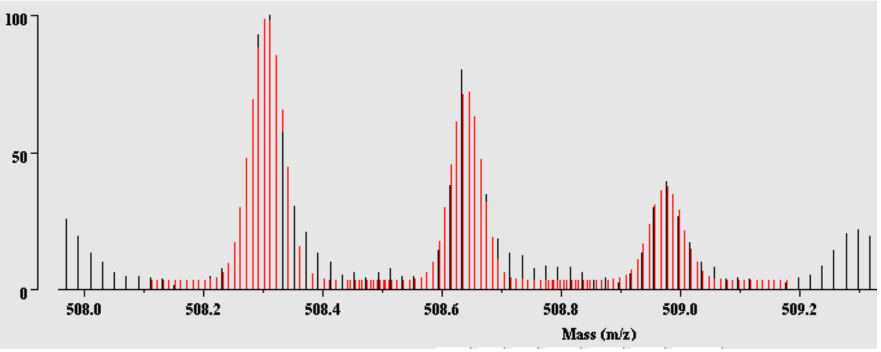
RIVAVTGAEAQK(iTRAQ4plex)$^{+3}$/(511.2169^{+3}/1531.6357)/ Q3TZ32



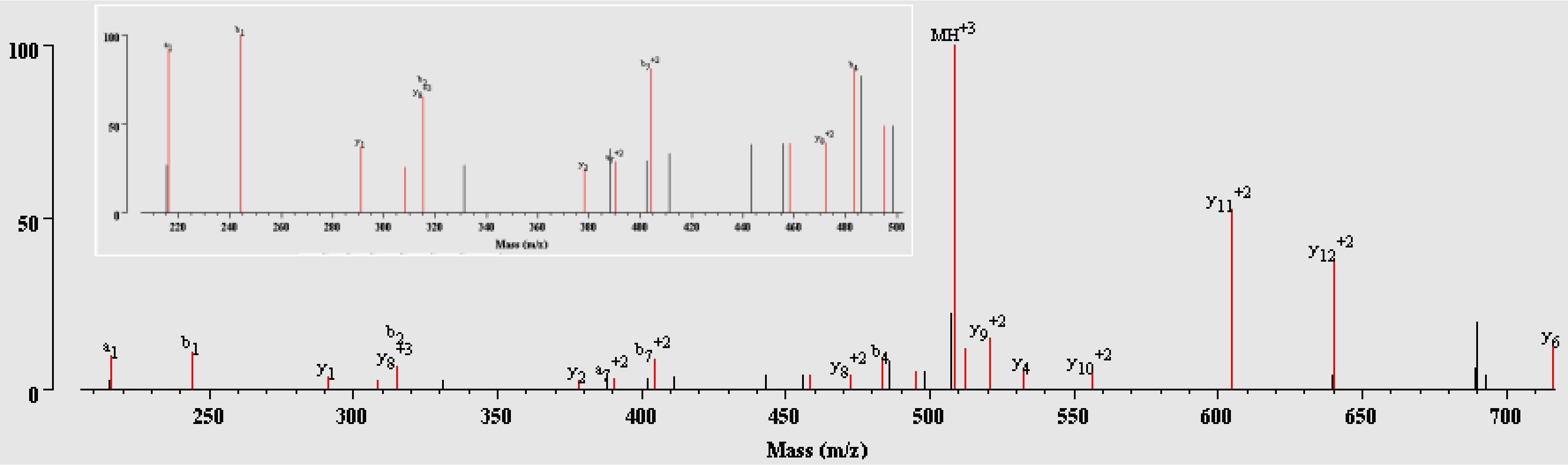
b	b+2		iTRAQ4plex		y	y+2
301.2104	151.1089	1	R	12	---	---
414.2945	207.6509	2	I	11	1230.717	615.8623
513.3629	257.1851	3	V	10	1117.633	559.3203
584.4	292.7037	4	A	9	1018.565	509.7861
683.4685	342.2379	5	V	8	947.5278	474.2675
784.5161	392.7617	6	T	7	848.4594	424.7333
841.5376	421.2724	7	G	6	747.4117	374.2095
912.5747	456.791	8	A	5	690.3903	345.6988
1041.617	521.3123	9	E	4	619.3532	310.1802
1112.654	556.8308	10	A	3	490.3106	245.6589
1240.713	620.8601	11	Q	2	419.2734	210.1404
---	---	12	K(iTRAQ4plex)	1	291.2149	146.1111



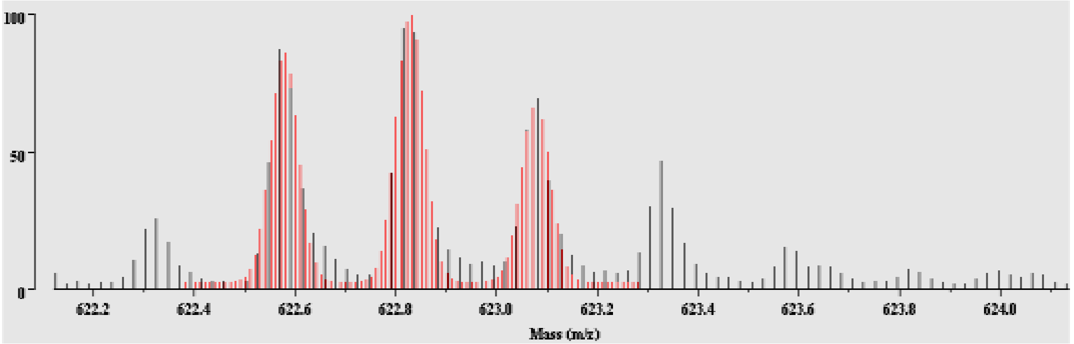
VAPAPARPSGPSK(iTRAQ4)$^{+3}$/(508.5435^{+3}/1523.6156)/Q3U4S9



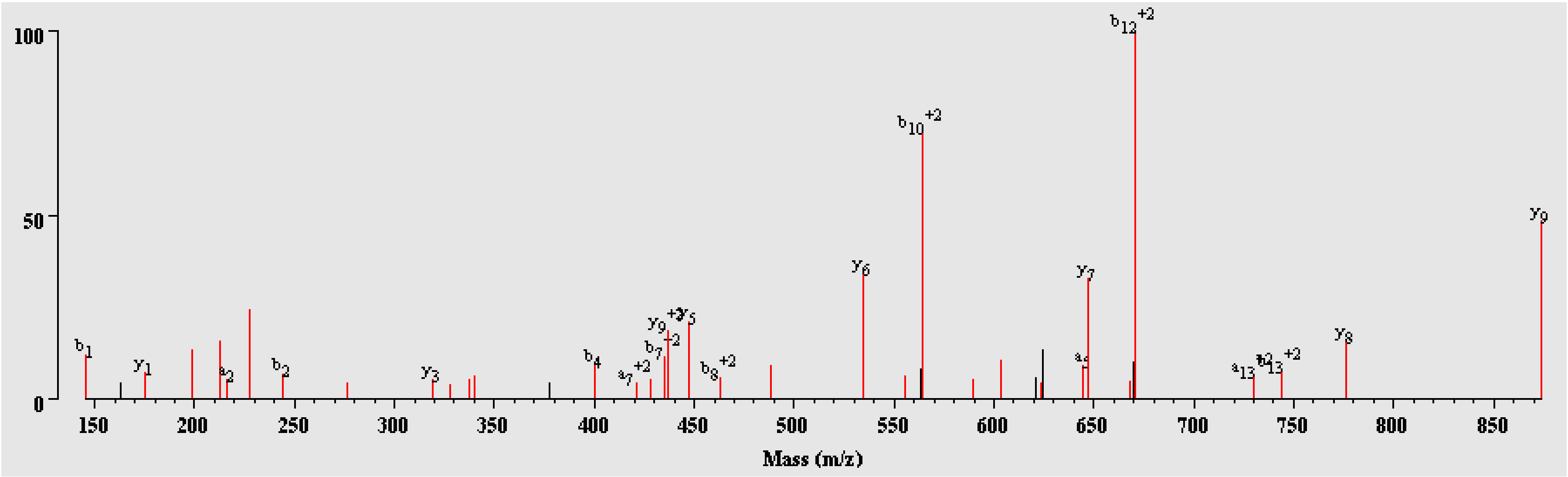
b	b+2	iTRAQ4plex		y	y+2
244.1778	---	1 V	13	---	---
315.2149	---	2 A	12	1279.724	640.3656
412.2676	---	3 P	11	1208.687	604.847
483.3047	---	4 A	10	1111.634	556.3206
580.3575	---	5 P	9	1040.597	520.8021
651.3946	---	6 A	8	943.5441	472.2757
807.4957	404.2515	7 R	7	872.507	436.7572
904.5485	452.7779	8 P	6	716.4059	358.7066
991.5805	496.2939	9 S	5	619.3532	310.1802
1048.602	524.8046	10 G	4	532.3211	266.6642
1145.655	573.331	11 P	3	475.2997	238.1535
1232.687	616.847	12 S	2	378.2469	189.6271
---	---	13 K(iTRAQ4plex)	1	291.2149	146.1111



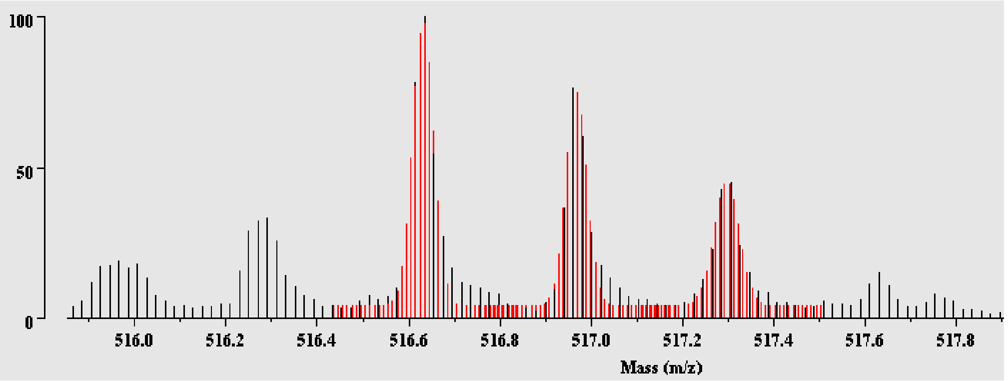
M(Met-loss)VGVK(iTRAQ4)PVGSDPDFQPELSGAGSR^{+4}/(829.207^{+4}/2488.6061)/Q3U8R9



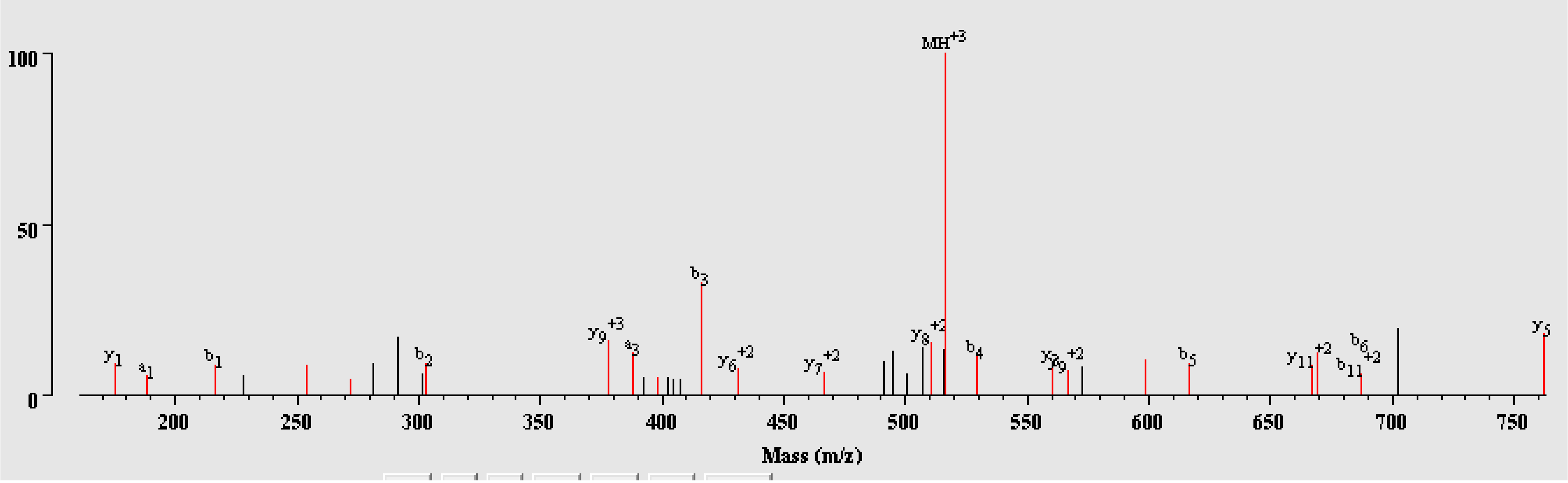
b	b+2		iTRAQ4plex		y	y+2
145.1093	---	1	M(Met-loss)	23	---	---
244.1778	---	2	V	22	2343.206	1172.107
301.1992	---	3	G	21	2244.138	1122.573
400.2676	---	4	V	20	2187.116	1094.062
672.4647	336.736	5	K(iTRAQ4plex)	19	2088.048	1044.528
769.5174	385.2623	6	P	18	1815.851	908.429
868.5858	434.7966	7	V	17	1718.798	859.9026
925.6073	463.3073	8	G	16	1619.73	810.3684
1012.639	506.8233	9	S	15	1562.708	781.8577
1127.666	564.3368	10	D	14	1475.676	738.3417
1224.719	612.8632	11	P	13	1360.649	680.8282
1339.746	670.3766	12	D	12	1263.596	632.3018
1486.814	743.9108	13	F	11	1148.57	574.7884
1614.873	807.9401	14	Q	10	1001.501	501.2542
1711.926	856.4665	15	P	9	873.4425	437.2249
1840.968	920.9878	16	E	8	776.3897	388.6985
1954.052	977.5298	17	L	7	647.3471	324.1772
2041.084	1021.046	18	S	6	534.2631	267.6352
2098.106	1049.557	19	G	5	447.231	224.1191
2169.143	1085.075	20	A	4	390.2096	195.6084
2226.165	1113.586	21	G	3	319.1724	160.0899
2313.197	1157.102	22	S	2	262.151	131.5791
---	---	23	R	1	175.119	88.0631



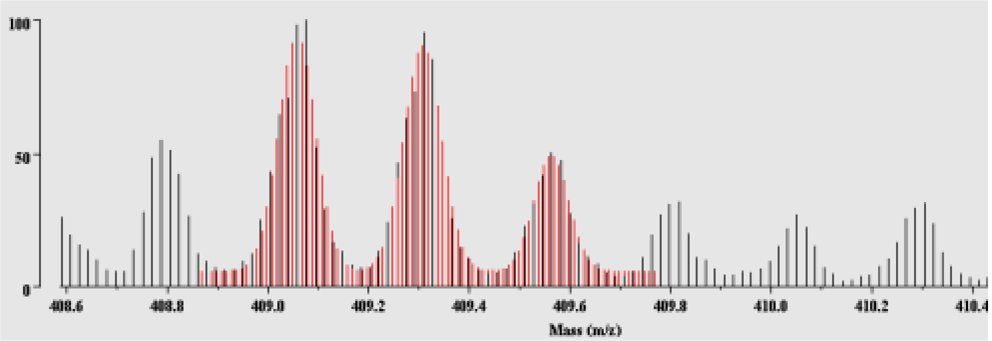
ASLISAVSDK(iTRAQ4)LR^{+3}/(516.8928^{+3}/1548.6634)/Q3UCW0



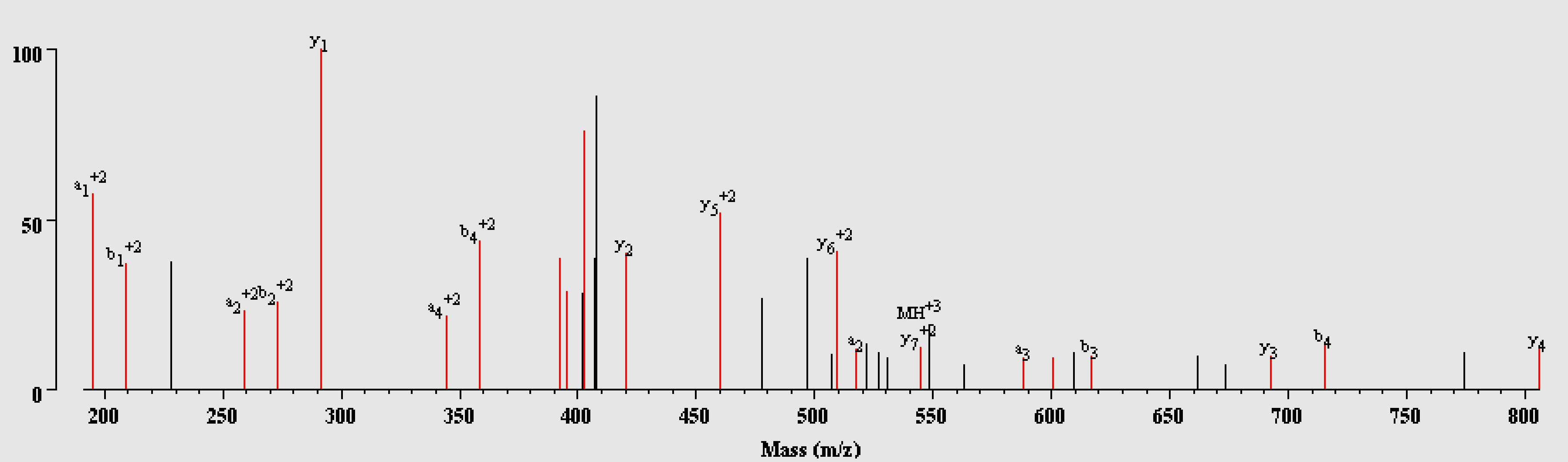
b	b+2				y	y+2
			iTRAQ4plex			
216.1465	---	1	A	12	---	---
303.1785	---	2	S	11	1332.797	666.902
416.2625	---	3	L	10	1245.765	623.386
529.3466	---	4	I	9	1132.681	566.844
616.3786	---	5	S	8	1019.597	510.3019
687.4158	---	6	A	7	932.5645	466.7859
786.4842	---	7	V	6	861.5274	431.2674
873.5162	---	8	S	5	762.459	381.7331
988.5431	---	9	D	4	675.427	338.2171
1260.74	630.8737	10	K(iTRAQ4plex)	3	560.4	280.7037
1373.824	687.4158	11	L	2	288.203	144.6051
---	---	12	R	1	175.119	88.063



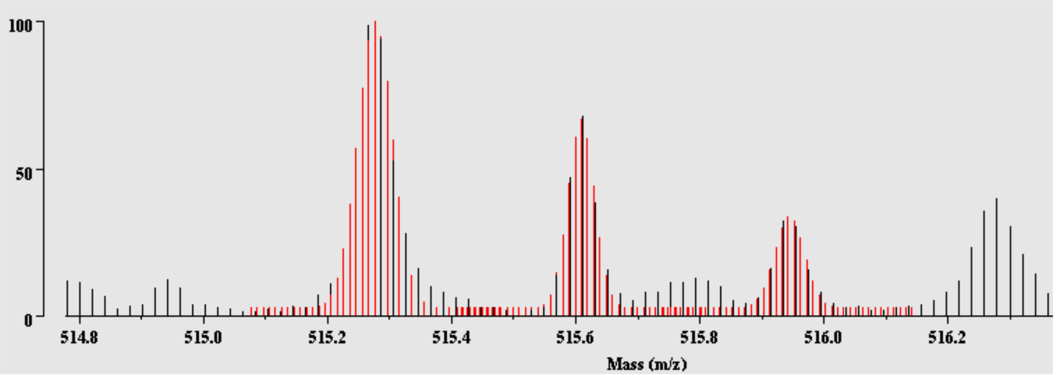
K(iTRAQ4)QAVLLK(iTRAQ4)EK(iTRAQ4)$^{+4}$/ (409.1435^{+4}/1633.5516)/Q5BKC4



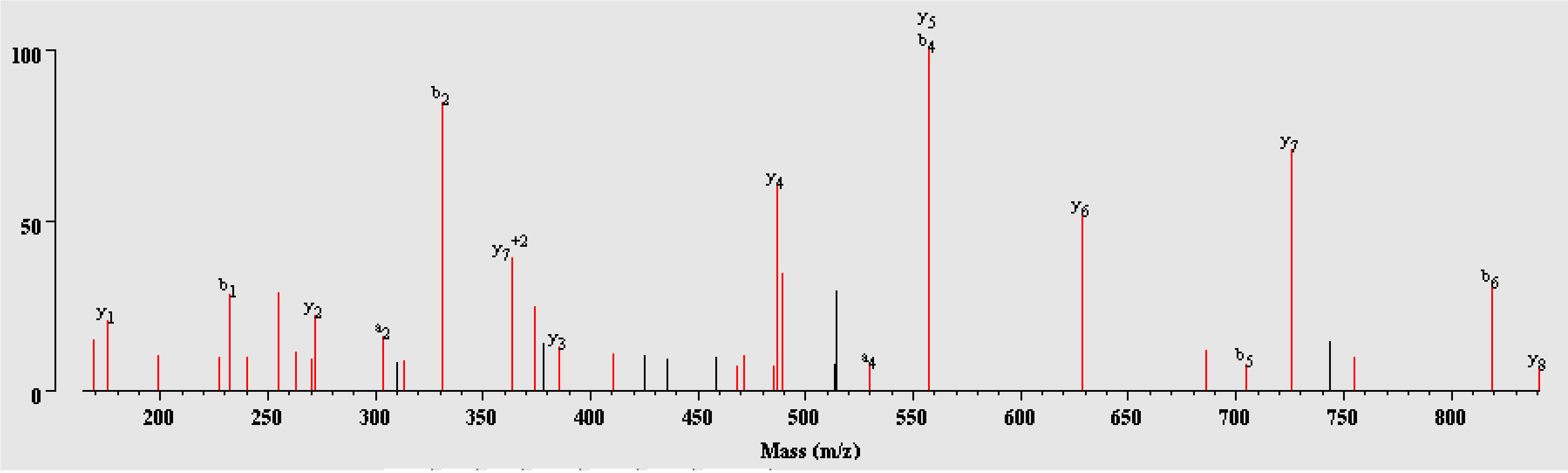
b	b+2		iTRAQ4plex		y	y+2
417.3064	209.1568	1	K(iTRAQ4plex)	9	---	---
545.3649	273.1861	2	Q	8	1216.787	608.897
616.4021	308.7047	3	A	7	1088.728	544.8677
715.4705	358.2389	4	V	6	1017.691	509.3492
828.5545	414.7809	5	L	5	918.6226	459.8149
941.6386	471.3229	6	L	4	805.5385	403.2729
1213.836	607.4214	7	K(iTRAQ4plex)	3	692.4545	346.7309
1342.878	671.9427	8	E	2	420.2575	210.6324
---	---	9	K(iTRAQ4plex)	1	291.2149	146.1111



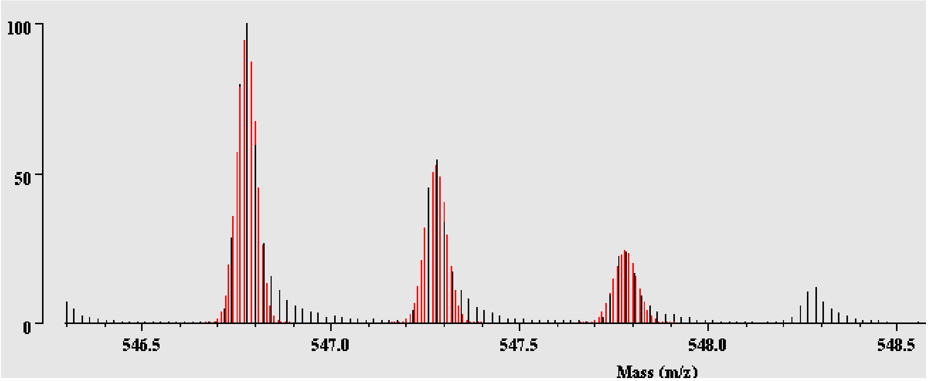
SVPEM(Ox)DPAATIPR^{+3}/(515.5376^{+3}/1544.5978)/Q5SRX1



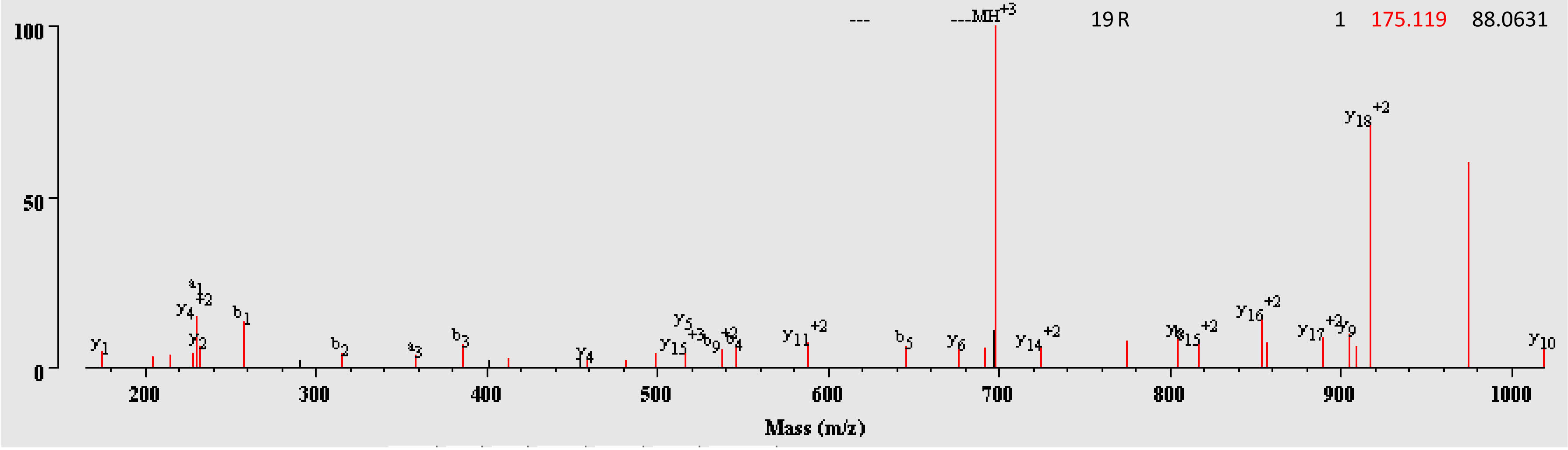
b				y	y+2
		iTRAQ4plex			
232.1414	1	S	13	---	---
331.2098	2	V	12	1312.657	656.8319
428.2625	3	P	11	1213.588	607.2977
557.3051	4	E	10	1116.535	558.7713
704.3405	5	M(Oxidation)	9	987.4928	494.25
819.3675	6	D	8	840.4574	420.7323
916.4202	7	P	7	725.4304	363.2189
987.4574	8	A	6	628.3777	314.6925
1058.495	9	A	5	557.3406	279.1739
1159.542	10	T	4	486.3035	243.6554
1272.626	11	I	3	385.2558	193.1315
1369.679	12	P	2	272.1717	136.5895
---	13	R	1	175.119	88.0631



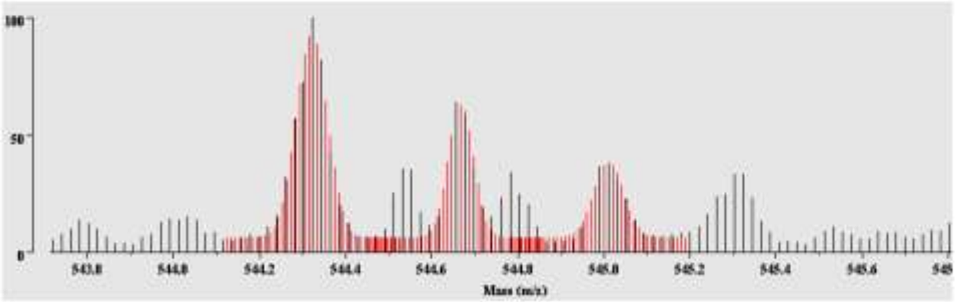
IGAC(Carbamidomethyl)VSGERLTGAC(Carbamidomethyl)GLNGR^{+3}/ (698.3574^{+3}/2093.0574)/Q62714



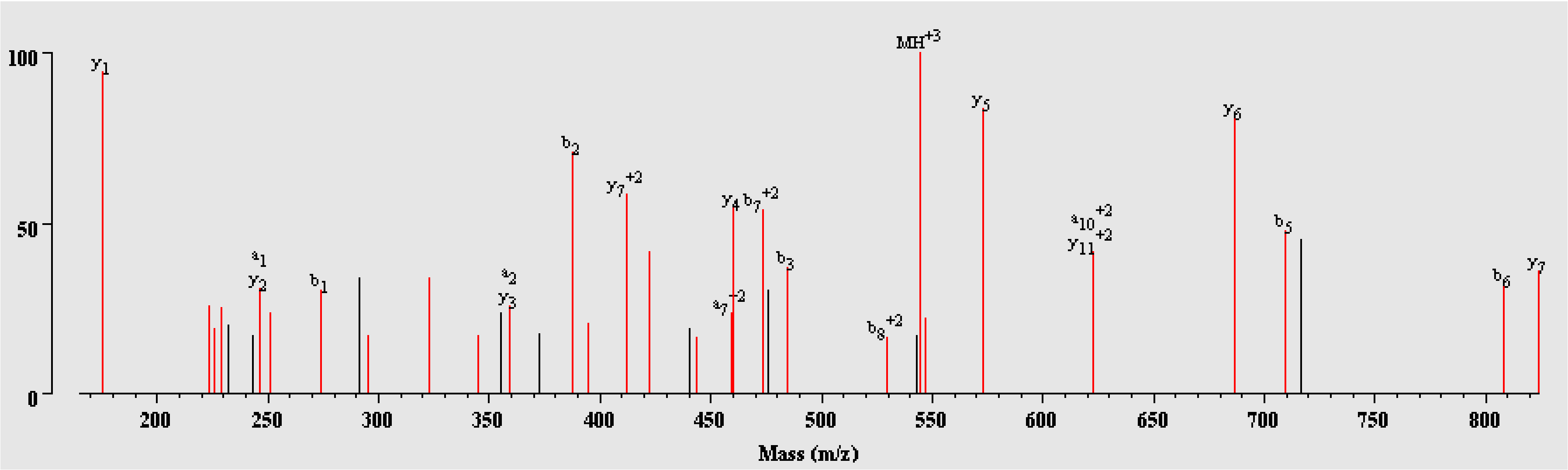
b	b+2				y	y+2
258.1934	---	1	iTRAQ4plex I	19	---	---
315.2149	---	2	G	18	1834.865	917.936
386.252	---	3	A	17	1777.843	889.4252
546.2826	---	4	C(Carbamidomethyl)	16	1706.806	853.9067
645.351	---	5	V	15	1546.775	773.8914
732.3831	---	6	S	14	1447.707	724.3572
789.4045	---	7	G	13	1360.675	680.8411
918.4471	---	8	E	12	1303.654	652.3304
1074.548	537.7778	9	R	11	1174.611	587.8091
1187.632	594.3198	10	L	10	1018.51	509.7586
1288.68	644.8436	11	T	9	905.4258	453.2165
1345.701	673.3544	12	G	8	804.3781	402.6927
1416.739	708.8729	13	A	7	747.3566	374.182
1576.769	788.8882	14	C(Carbamidomethyl)	6	676.3195	338.6634
1633.791	817.399	15	G	5	516.2889	258.6481
1746.875	873.941	16	L	4	459.2674	230.1373
1860.918	930.9625	17	N	3	346.1833	173.5953
1917.939	959.4732	18	G	2	232.1404	116.5738
---	---	19	R	1	175.119	88.0631



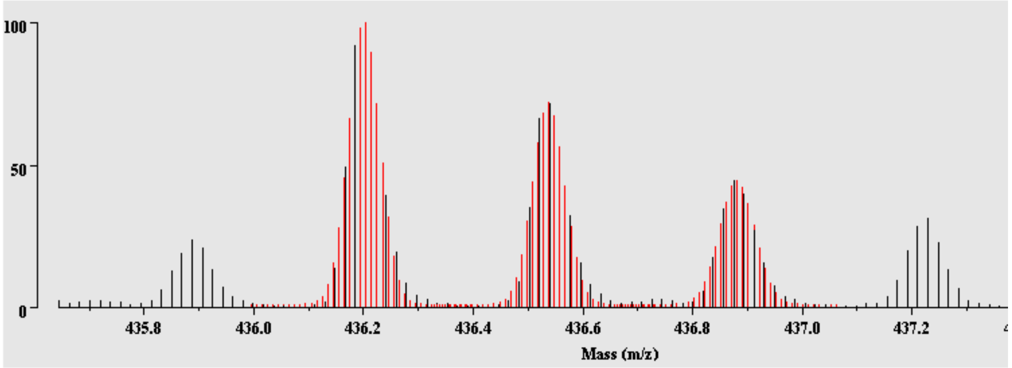
ELPPQVHLLTLAR^{+3}/(544.6559^{+3}/1631.9528)/Q6P762



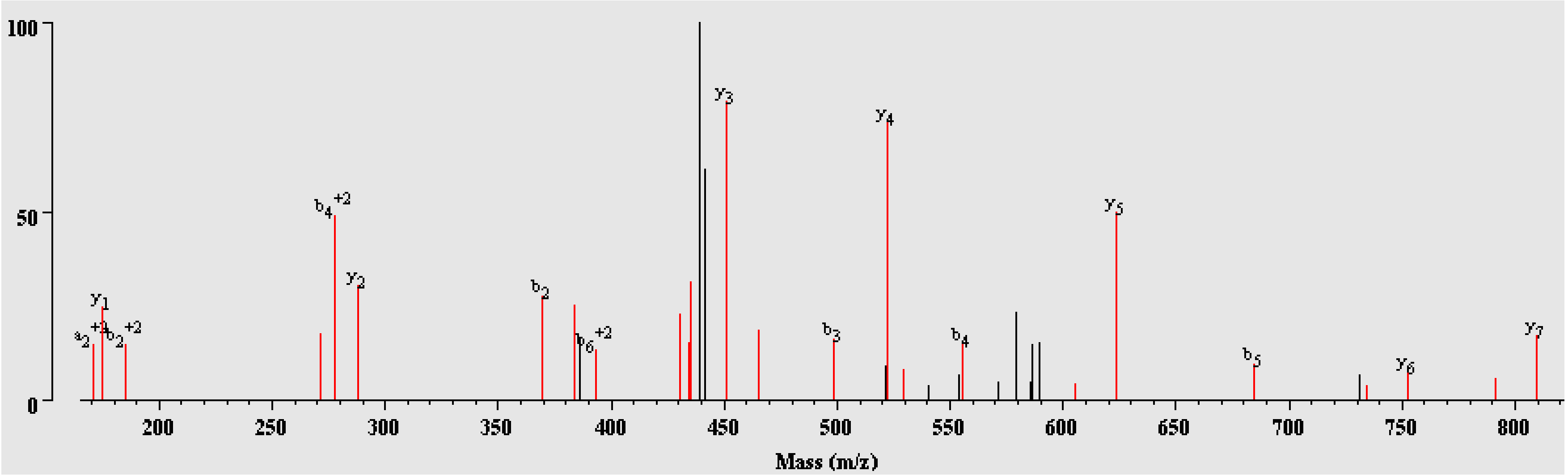
b	b+2				y	y+2
			iTRAQ4plex			
274.1519	---	1	E	13	---	---
387.236	---	2	L	12	1357.831	679.4194
484.2888	---	3	P	11	1244.747	622.8773
581.3415	---	4	P	10	1147.695	574.3509
709.4001	---	5	Q	9	1050.642	525.8246
808.4685	---	6	V	8	922.5833	461.7953
945.5274	473.2674	7	H	7	823.5148	412.2611
1058.612	529.8094	8	L	6	686.4559	343.7316
1171.696	586.3514	9	L	5	573.3719	287.1896
1272.743	636.8753	10	T	4	460.2878	230.6475
1385.827	693.4173	11	L	3	359.2401	180.1237
1456.864	728.9358	12	A	2	246.1561	123.5817
---	---	13	R	1	175.119	88.0631



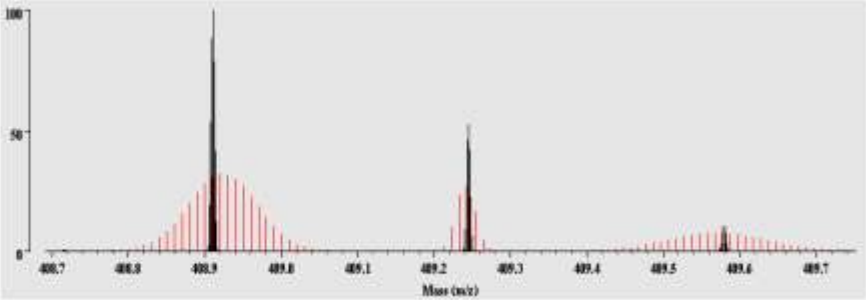
SHEGETAYIR^{+3}/(436.4702^{+3}/1307.3959)/Q6PDM2



b	b+2	iTRAQ4plex		y	y+2
232.1414	---	1 S	10	---	---
369.2003	185.1038	2 H	9	1075.517	538.262
498.2429	249.6251	3 E	8	938.4578	469.7325
555.2643	278.1358	4 G	7	809.4152	405.2112
684.3069	342.6571	5 E	6	752.3937	376.7005
785.3546	393.1809	6 T	5	623.3511	312.1792
856.3917	428.6995	7 A	4	522.3035	261.6554
1019.455	510.2312	8 Y	3	451.2663	226.1368
1132.539	566.7732	9 I	2	288.203	144.6051
---	---	10 R	1	175.119	88.0631



TLAGDVHIVR+3/(409.1463+3/1225.422)/Q9QZ88



b	b+2			y	y+2
		iTRAQ4plex			
246.157	---	1 T	10	---	---
359.2411	---	2 L	9	979.5683	490.2878
430.2782	---	3 A	8	866.4843	433.7458
487.2997	---	4 G	7	795.4472	398.2272
602.3266	---	5 D	6	738.4257	369.7165
701.395	---	6 V	5	623.3988	312.203
838.4539	419.7306	7 H	4	524.3303	262.6688
951.538	476.2726	8 I	3	387.2714	194.1394
1050.606	525.8068	9 V	2	274.1874	137.5973
---	---	10 R	1	175.119	88.0631