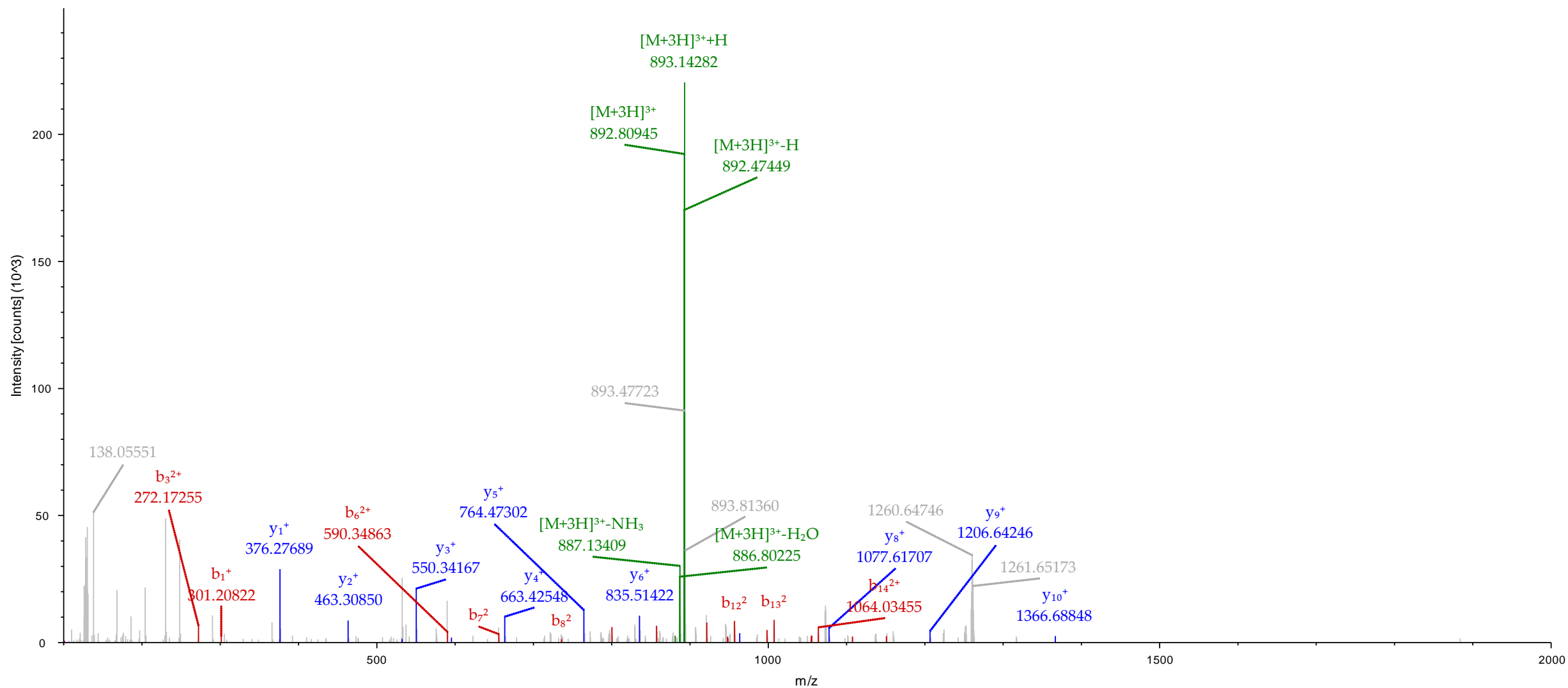


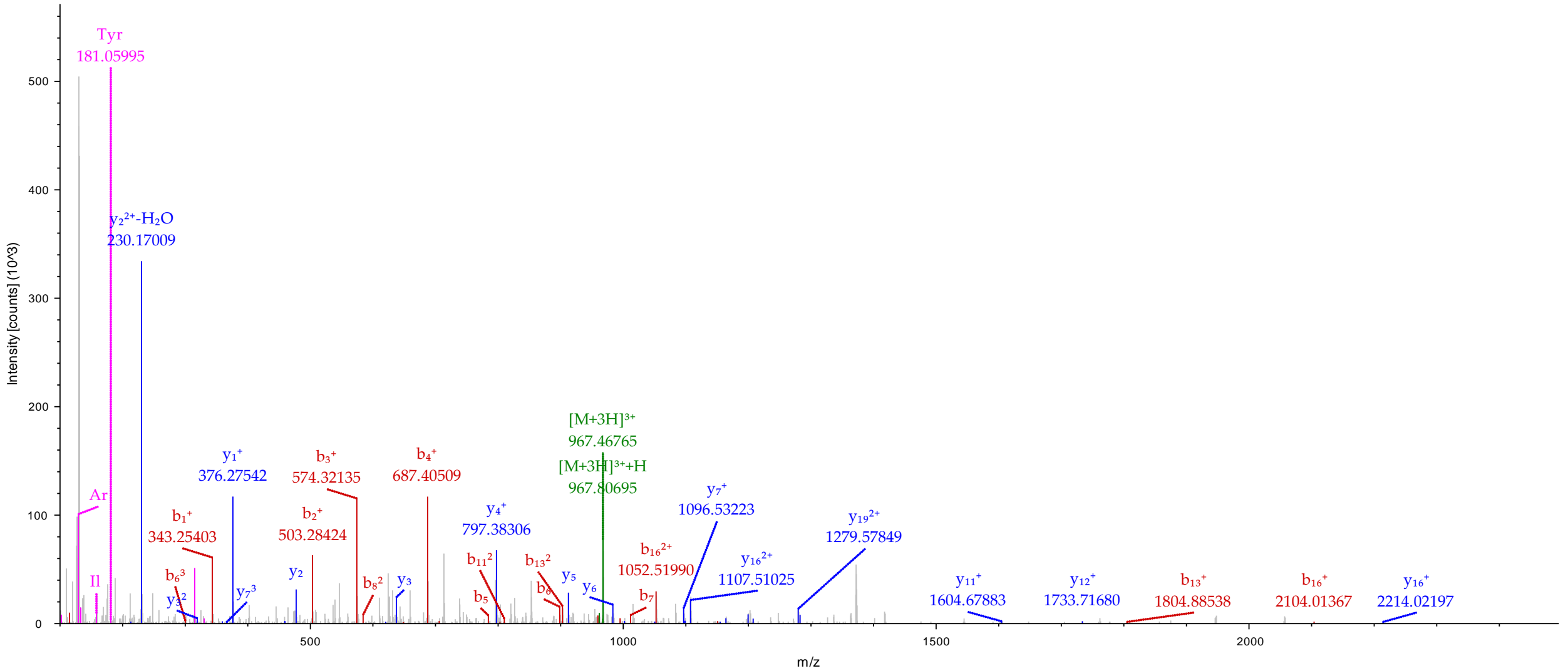
#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	273.21241	301.20732	151.10730	101.07396	A-TMT6plex				17
2	102.05496	430.24992	215.62860	144.08816	E	2376.19395	1188.60061	792.73617	16
3	86.09643	543.33398	272.17063	181.78284	L	2247.15136	1124.07932	749.72197	15
4	44.04948	614.37109	307.68918	205.46188	A	2134.06730	1067.53729	712.02728	14
5	330.27026	971.62899	486.31813	324.54785	K-TMT6plex	2063.03018	1032.01873	688.34824	13
6	181.06077	1179.67739	590.34234	393.89732	Y-Nitro	1705.77229	853.38978	569.26228	12
7	104.05285	1310.71788	655.86258	437.57748	M	1497.72388	749.36558	499.91281	11
8	133.04301	1470.74853	735.87790	490.92103	C-Carbamidomethyl	1366.68340	683.84534	456.23265	10
9	102.05496	1599.79112	800.39920	533.93522	E	1206.65275	603.83001	402.88910	9
10	87.05529	1713.83405	857.42066	571.94953	N	1077.61015	539.30872	359.87490	8
11	101.07094	1841.89263	921.44995	614.63573	Q	963.56723	482.28725	321.86059	7
12	44.04948	1912.92974	956.96851	638.31476	A	835.50865	418.25796	279.17440	6
13	74.06004	2013.97742	1007.49235	671.99732	T	764.47154	382.73941	255.49536	5
14	86.09643	2127.06148	1064.03438	709.69201	I	663.42386	332.21557	221.81280	4
15	60.04439	2214.09351	1107.55039	738.70269	S	550.33979	275.67353	184.11812	3
16	60.04439	2301.12554	1151.06641	767.71336	S	463.30776	232.15752	155.10744	2
17	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

JM_NDplasmaBVM_TMT_Fr3.raw #39312 RT: 134.1754 min
 FTMS, 892.8037@hcd35.00, z=+3, Mono m/z=892.80371 Da, MH+=2676.39658 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

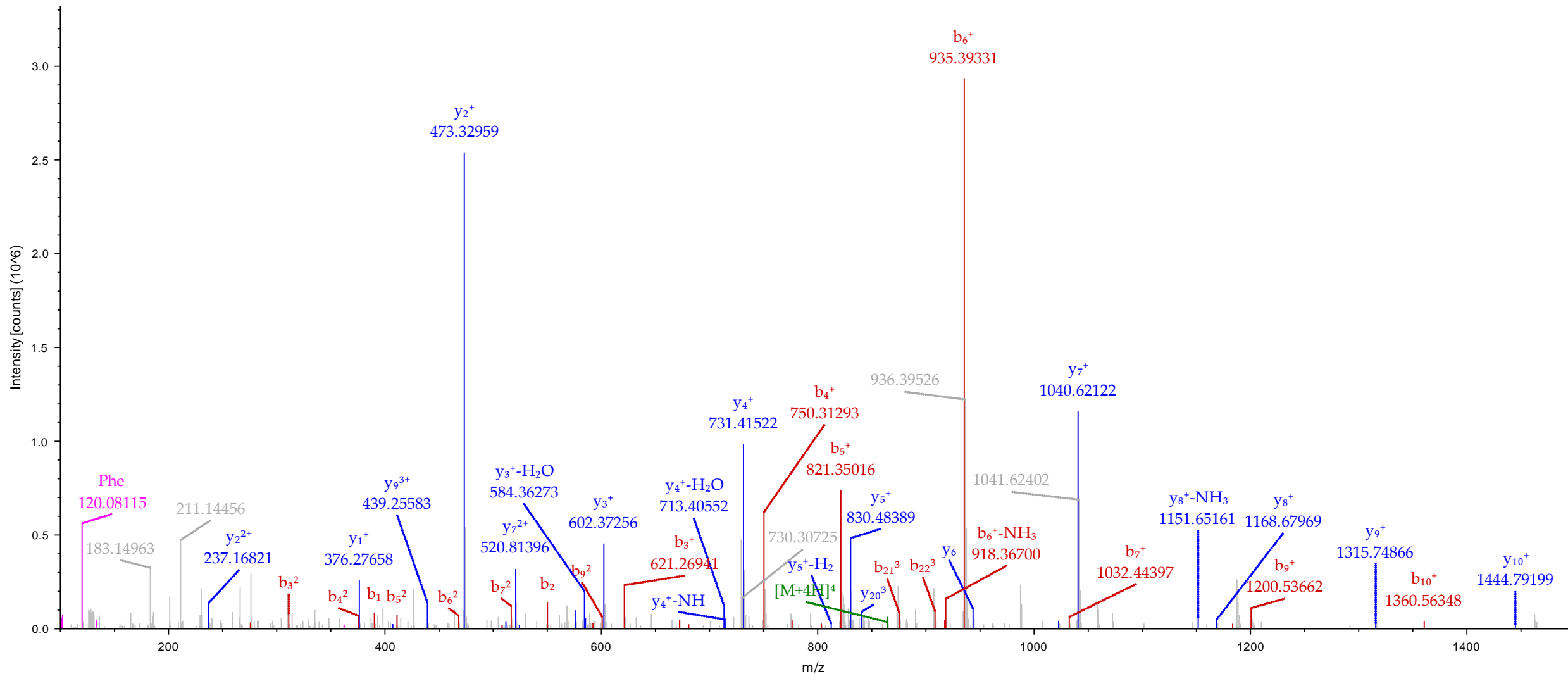
#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	315.25936	343.25427	172.13077	115.08961	L-TMT6plex				20
2	133.04301	503.28492	252.14610	168.43316	C-Carbamidomethyl	2558.16351	1279.58539	853.39269	19
3	44.04948	574.32203	287.66466	192.11220	A	2398.13286	1199.57007	800.04914	18
4	86.09643	687.40610	344.20669	229.80688	I	2327.09575	1164.05151	776.37010	17
5	70.06513	784.45886	392.73307	262.15781	P	2214.01168	1107.50948	738.67541	16
6	87.05529	898.50179	449.75453	300.17211	N	2116.95892	1058.98310	706.32449	15
7	86.09643	1011.58585	506.29657	337.86680	L	2002.91599	1001.96163	668.31018	14
8	129.11347	1167.68696	584.34712	389.90051	R	1889.83193	945.41960	630.61549	13
9	102.05496	1296.72956	648.86842	432.91470	E	1733.73082	867.36905	578.58179	12
10	87.05529	1410.77249	705.88988	470.92901	N	1604.68822	802.84775	535.56759	11
11	181.06077	1618.82089	809.91408	540.27848	Y-Nitro	1490.64530	745.82629	497.55328	10
12	30.03383	1675.84236	838.42482	559.28564	G	1282.59689	641.80208	428.20381	9
13	102.05496	1804.88495	902.94611	602.29983	E	1225.57543	613.29135	409.19666	8
14	86.09643	1917.96901	959.48814	639.99452	L	1096.53283	548.77005	366.18246	7
15	44.04948	1989.00613	995.00670	663.67356	A	983.44877	492.22802	328.48777	6
16	88.03930	2104.03307	1052.52017	702.01587	D	912.41165	456.70947	304.80874	5
17	133.04301	2264.06372	1132.53550	755.35942	C-Carbamidomethyl	797.38471	399.19599	266.46642	4
18	133.04301	2424.09437	1212.55082	808.70297	C-Carbamidomethyl	637.35406	319.18067	213.12287	3
19	74.06004	2525.14204	1263.07466	842.38553	T	477.32341	239.16535	159.77932	2
20	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

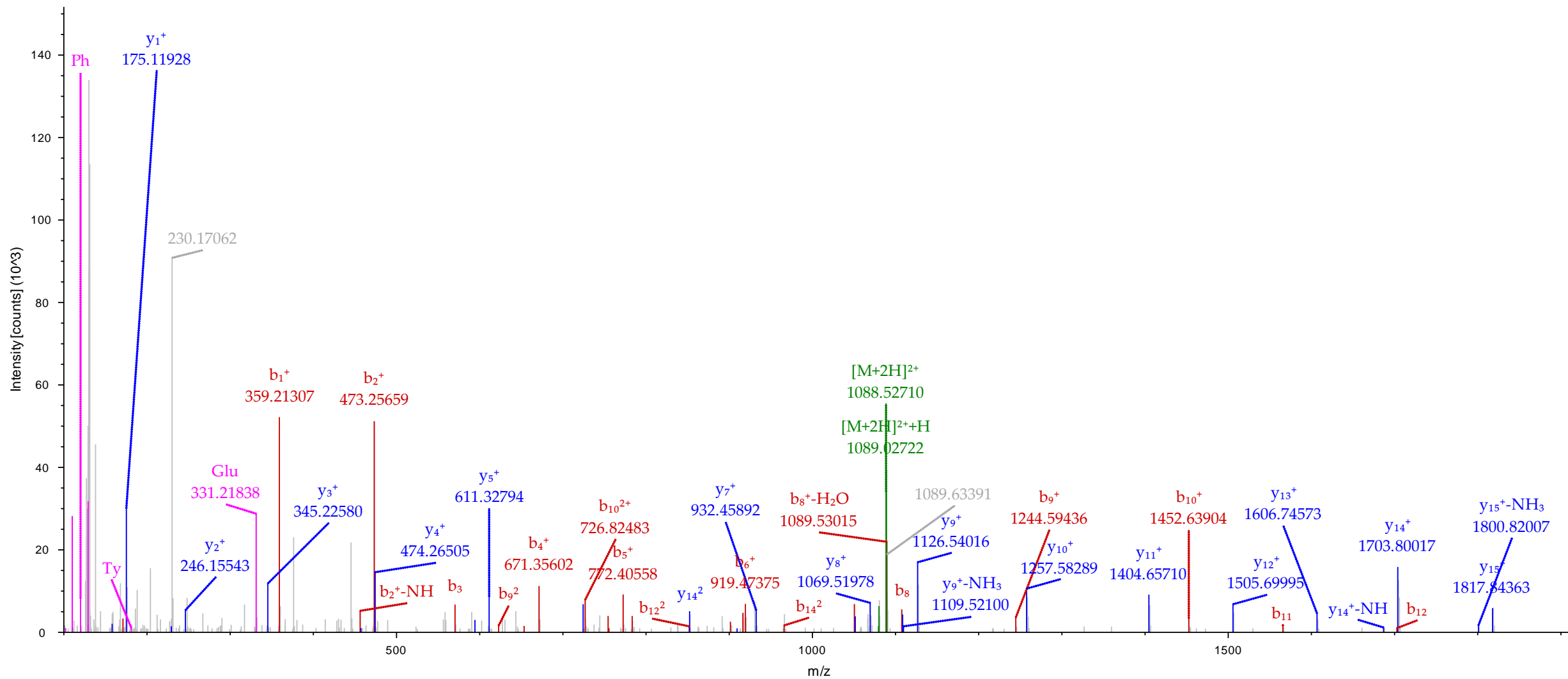
#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	362.20594	390.20086	195.60407	130.73847	98.30567	C-TMT6plex-Carbamidomethyl					26
2	133.04301	550.23151	275.61939	184.08202	138.31333	C-Carbamidomethyl	3064.45934	1532.73331	1022.15796	766.87029	25
3	44.04948	621.26862	311.13795	207.76106	156.07261	A	2904.42869	1452.71798	968.81441	726.86263	24
4	102.05496	750.31121	375.65924	250.77526	188.33326	E	2833.39158	1417.19943	945.13538	709.10335	23
5	44.04948	821.34833	411.17780	274.45429	206.09254	A	2704.34898	1352.67813	902.12118	676.84270	22
6	87.05529	935.39125	468.19927	312.46860	234.60327	N	2633.31187	1317.15957	878.44214	659.08342	21
7	70.06513	1032.44402	516.72565	344.81952	258.86646	P	2519.26894	1260.13811	840.42783	630.57269	20
8	70.06513	1129.49678	565.25203	377.17044	283.12965	P	2422.21618	1211.61173	808.07691	606.30950	19
9	44.04948	1200.53389	600.77059	400.84948	300.88893	A	2325.16341	1163.08535	775.72599	582.04631	18
10	133.04301	1360.56454	680.78591	454.19303	340.89659	C-Carbamidomethyl	2254.12630	1127.56679	752.04695	564.28703	17
11	181.06077	1568.61295	784.81011	523.54250	392.90869	Y-Nitro	2094.09565	1047.55146	698.70340	524.27937	16
12	30.03383	1625.63441	813.32085	542.54966	407.16406	G	1886.04725	943.52726	629.35393	472.26727	15
13	74.06004	1726.68209	863.84468	576.23222	432.42598	T	1829.02578	915.01653	610.34678	458.01190	14
14	72.08078	1825.75051	913.37889	609.25502	457.19308	V	1727.97810	864.49269	576.66422	432.74998	13
15	86.09643	1938.83457	969.92092	646.94971	485.46410	L	1628.90969	814.95848	543.64141	407.98288	12
16	44.04948	2009.87168	1005.43948	670.62875	503.22338	A	1515.82563	758.41645	505.94673	379.71186	11
17	102.05496	2138.91428	1069.96078	713.64294	535.48403	E	1444.78851	722.89789	482.26769	361.95259	10
18	120.08078	2285.98269	1143.49498	762.66575	572.25113	F	1315.74592	658.37660	439.25349	329.69194	9
19	101.07094	2414.04127	1207.52427	805.35194	604.26577	Q	1168.67751	584.84239	390.23069	292.92483	8
20	70.06513	2511.09403	1256.05065	837.70286	628.52897	P	1040.61893	520.81310	347.54449	260.91019	7
21	86.09643	2624.17810	1312.59269	875.39755	656.79998	L	943.56616	472.28672	315.19357	236.64700	6
22	72.08078	2723.24651	1362.12689	908.42035	681.56708	V	830.48210	415.74469	277.49888	208.37598	5
23	102.05496	2852.28910	1426.64819	951.43455	713.82773	E	731.41369	366.21048	244.47608	183.60888	4
24	102.05496	2981.33170	1491.16949	994.44875	746.08838	E	602.37109	301.68918	201.46188	151.34823	3
25	70.06513	3078.38446	1539.69587	1026.79967	770.35157	P	473.32850	237.16789	158.44768	119.08758	2
26	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

JM_NDplasmaBVM_TMT_NoFrac.raw #124104 RT: 334.8482 min
FTMS, 864.6786@hcd35.00, z=+4, Mono m/z=864.17670 Da, MH+=3453.68496 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	Seq.	y ⁺	y ²⁺	#2
1	331.21789	359.21280	180.11004	E-TMT6plex			16
2	87.05529	473.25573	237.13150	N	1817.83878	909.42303	15
3	70.06513	570.30849	285.65788	P	1703.79585	852.40156	14
4	74.06004	671.35617	336.18172	T	1606.74309	803.87518	13
5	74.06004	772.40385	386.70556	T	1505.69541	753.35134	12
6	120.08078	919.47226	460.23977	F	1404.64773	702.82750	11
7	104.05285	1050.51275	525.76001	M	1257.57932	629.29330	10
8	30.03383	1107.53421	554.27074	G	1126.53883	563.77305	9
9	110.07127	1244.59312	622.80020	H	1069.51737	535.26232	8
10	181.06077	1452.64153	726.82440	Y-Nitro	932.45846	466.73287	7
11	86.09643	1565.72559	783.36644	L	724.41005	362.70866	6
12	110.07127	1702.78451	851.89589	H	611.32598	306.16663	5
13	102.05496	1831.82710	916.41719	E	474.26707	237.63717	4
14	72.08078	1930.89551	965.95139	V	345.22448	173.11588	3
15	44.04948	2001.93263	1001.46995	A	246.15607	123.58167	2
16	129.11347			R	175.11895	88.06311	1



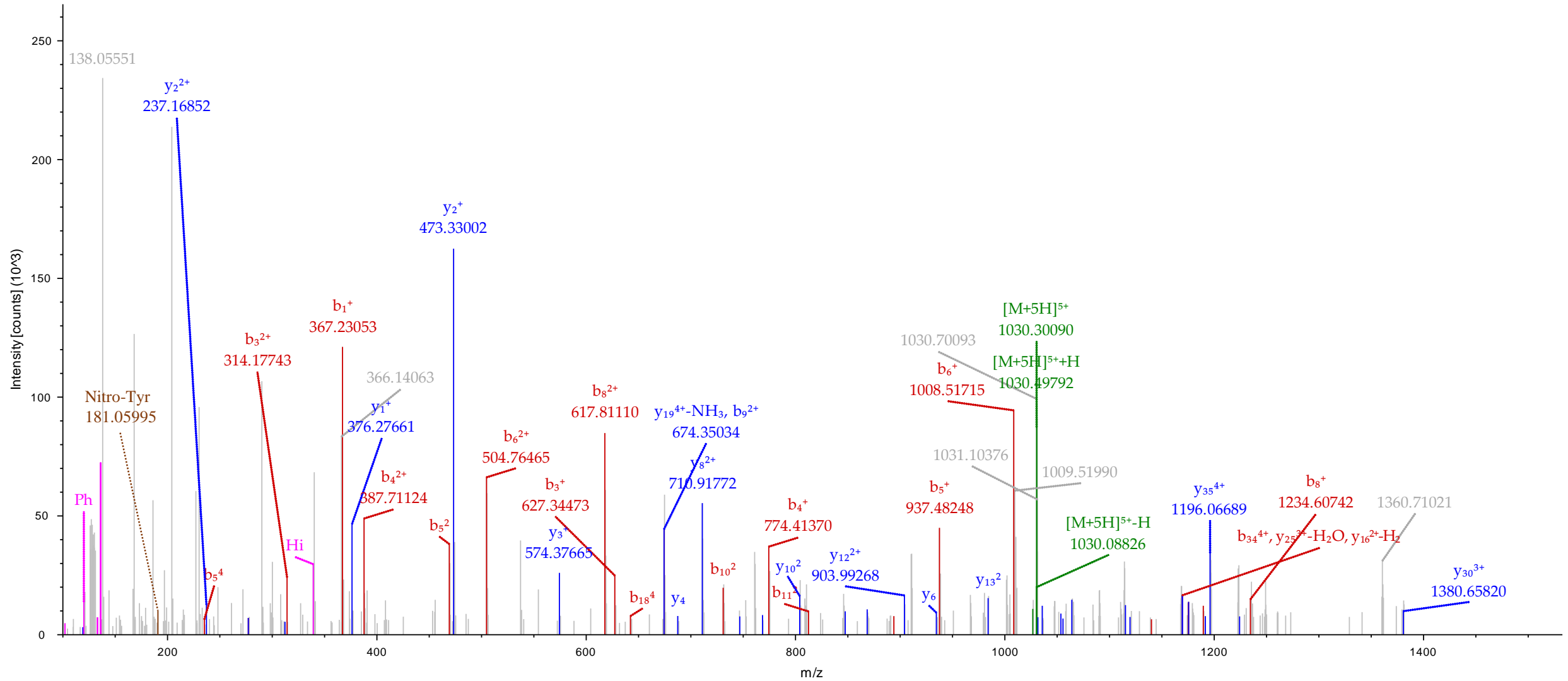
— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium

— y, y-H₂O, y-NH₃

— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	339.23421	367.22912	184.11820	123.08122	92.56274	74.25165	H-TMT6plex						36
2	70.06513	464.28188	232.64458	155.43215	116.82593	93.66220	P	4781.25015	2391.12871	1594.42157	1196.06800	957.05585	35
3	136.07569	627.34521	314.17624	209.78659	157.59176	126.27486	Y	4684.19739	2342.60233	1562.07065	1171.80480	937.64530	34
4	120.08078	774.41363	387.71045	258.80939	194.35886	155.68855	F	4521.13406	2261.07067	1507.71620	1131.03897	905.03263	33
5	136.07569	937.47696	469.24212	313.16384	235.12470	188.30121	Y	4374.06565	2187.53646	1458.69340	1094.27187	875.61895	32
6	44.04948	1008.51407	504.76067	336.84287	252.88397	202.50864	A	4211.00232	2106.00480	1404.33896	1053.50604	843.00628	31
7	70.06513	1105.56683	553.28705	369.19380	277.14717	221.91919	P	4139.96520	2070.48624	1380.65992	1035.74676	828.79886	30
8	102.05496	1234.60943	617.80835	412.20799	309.40781	247.72771	E	4042.91244	2021.95986	1348.30900	1011.48357	809.38831	29
9	86.09643	1347.69349	674.35038	449.90268	337.67883	270.34452	L	3913.86985	1957.43856	1305.29480	979.22292	783.57979	28
10	86.09643	1460.77755	730.89242	487.59737	365.94985	292.96133	L	3800.78578	1900.89653	1267.60011	950.95190	760.96298	27
11	136.07569	1623.84088	812.42408	541.95181	406.71568	325.57400	Y	3687.70172	1844.35450	1229.90542	922.68089	738.34617	26
12	136.07569	1786.90421	893.95574	596.30625	447.48151	358.18666	Y	3524.63839	1762.82283	1175.55098	881.91506	705.73350	25
13	44.04948	1857.94132	929.47430	619.98529	465.24079	372.39409	A	3361.57506	1681.29117	1121.19654	841.14922	673.12083	24
14	102.05496	1986.98392	993.99560	662.99949	497.50144	398.20260	E	3290.53795	1645.77261	1097.51750	823.38994	658.91341	23
15	101.07094	2115.04249	1058.02489	705.68568	529.51608	423.81432	Q	3161.49536	1581.25132	1054.50330	791.12930	633.10489	22
16	181.06077	2323.09090	1162.04909	775.03515	581.52818	465.42400	Y-Nitro	3033.43678	1517.22203	1011.81711	759.11465	607.49318	21
17	87.05529	2437.13383	1219.07055	813.04946	610.03891	488.23259	N	2825.38837	1413.19782	942.46764	707.10255	565.88350	20
18	102.05496	2566.17642	1283.59185	856.06366	642.29956	514.04111	E	2711.34544	1356.17636	904.45333	678.59182	543.07491	19
19	86.09643	2679.26049	1340.13388	893.75835	670.57058	536.65792	I	2582.30285	1291.65506	861.43913	646.33117	517.26639	18
20	86.09643	2792.34455	1396.67591	931.45303	698.84159	559.27473	L	2469.21879	1235.11303	823.74445	618.06015	494.64958	17
21	74.06004	2893.39223	1447.19975	965.13559	724.10351	579.48427	T	2356.13472	1178.57100	786.04976	589.78914	472.03277	16
22	101.07094	3021.45081	1511.22904	1007.82179	756.11816	605.09598	Q	2255.08704	1128.04716	752.36720	564.52722	451.82323	15
23	133.04301	3181.48145	1591.24437	1061.16534	796.12582	637.10211	C-Carbamidomethyl	2127.02847	1064.01787	709.68101	532.51257	426.21151	14
24	133.04301	3341.51210	1671.25969	1114.50889	836.13348	669.10824	C-Carbamidomethyl	1966.99782	984.00255	656.33746	492.50491	394.20539	13
25	44.04948	3412.54922	1706.77825	1138.18792	853.89276	683.31566	A	1806.96717	903.98722	602.99391	452.49725	362.19926	12
26	102.05496	3541.59181	1771.29954	1181.20212	886.15341	709.12418	E	1735.93006	868.46867	579.31487	434.73797	347.99183	11
27	44.04948	3612.62892	1806.81810	1204.88116	903.91269	723.33161	A	1606.88746	803.94737	536.30067	402.47732	322.18331	10
28	88.03930	3727.65587	1864.33157	1243.22347	932.66942	746.33699	D	1535.85035	768.42881	512.62163	384.71805	307.97589	9
29	330.27026	4084.91376	2042.96052	1362.30944	1021.98390	817.78857	K-TMT6plex	1420.82341	710.91534	474.27932	355.96131	284.97050	8
30	102.05496	4213.95635	2107.48182	1405.32364	1054.24455	843.59709	E	1063.56551	532.28639	355.19336	266.64684	213.51892	7
31	60.04439	4300.98838	2150.99783	1434.33431	1076.00255	861.00350	S	934.52292	467.76510	312.17916	234.38619	187.71041	6
32	133.04301	4461.01903	2231.01315	1487.67786	1116.01022	893.00963	C-Carbamidomethyl	847.49089	424.24908	283.16848	212.62818	170.30400	5
33	86.09643	4574.10309	2287.55519	1525.37255	1144.28123	915.62644	L	687.46024	344.23376	229.82493	172.62052	138.29787	4
34	74.06004	4675.15077	2338.07902	1559.05511	1169.54315	935.83598	T	574.37618	287.69173	192.13024	144.34950	115.68106	3
35	70.06513	4772.20354	2386.60541	1591.40603	1193.80634	955.24653	P	473.32850	237.16789	158.44768	119.08758	95.47152	2
36	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

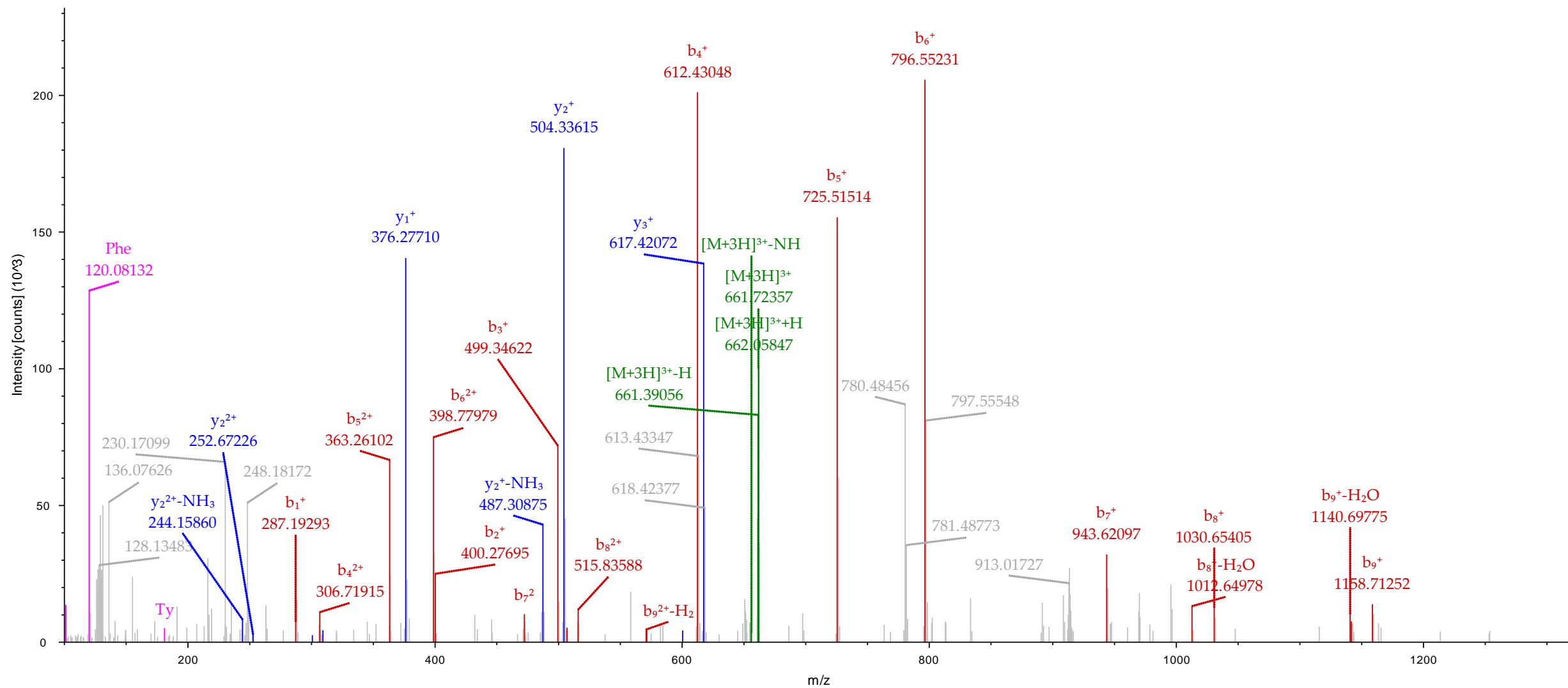


— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium

— y, y-H₂O, y-NH₃

— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	259.19676	287.19167	144.09947	96.40208	G-TMT6plex				13
2	86.09643	400.27574	200.64151	134.09676	L	1696.98352	848.99540	566.33269	12
3	72.08078	499.34415	250.17571	167.11957	V	1583.89946	792.45337	528.63800	11
4	86.09643	612.42821	306.71775	204.81426	L	1484.83105	742.91916	495.61520	10
5	86.09643	725.51228	363.25978	242.50894	I	1371.74698	686.37713	457.92051	9
6	44.04948	796.54939	398.77833	266.18798	A	1258.66292	629.83510	420.22582	8
7	120.08078	943.61781	472.31254	315.21079	F	1187.62580	594.31654	396.54679	7
8	60.04439	1030.64983	515.82856	344.22146	S	1040.55739	520.78233	347.52398	6
9	101.07094	1158.70841	579.85784	386.90765	Q	953.52536	477.26632	318.51330	5
10	181.06077	1366.75682	683.88205	456.25712	Y-Nitro	825.46678	413.23703	275.82711	4
11	86.09643	1479.84088	740.42408	493.95181	L	617.41838	309.21283	206.47764	3
12	101.07094	1607.89946	804.45337	536.63800	Q	504.33431	252.67080	168.78296	2
13	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

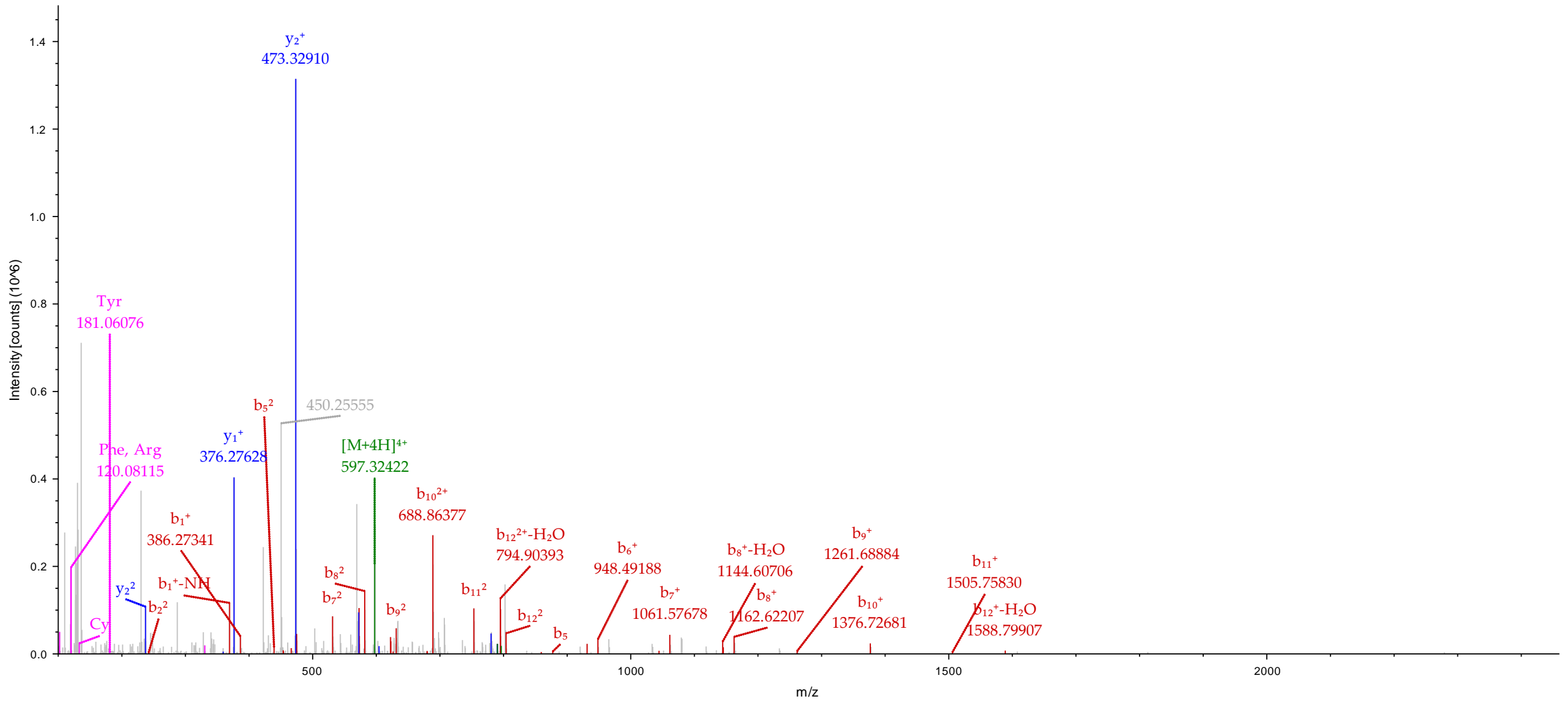


— Pre+H, Precursor, Precursor- H_2O , Precursor- H_2O-NH_3 , Precursor- NH_3 , Pre-H
— Immonium
— y, y- H_2O , y- NH_3
— b, b- H_2O , b- NH_3

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	315.25936	343.25427	172.13077	115.08961	L-TMT6plex				14
2	70.06513	440.30704	220.65716	147.44053	P	1594.75298	797.88013	532.25585	13
3	133.04301	600.33768	300.67248	200.78408	Carbamidomet	1497.70022	749.35375	499.90492	12
4	72.08078	699.40610	350.20669	233.80688	V	1337.66957	669.33842	446.56137	11
5	102.05496	828.44869	414.72798	276.82108	E	1238.60116	619.80422	413.53857	10
6	88.03930	943.47563	472.24146	315.16340	D	1109.55856	555.28292	370.52437	9
7	181.06077	1151.52404	576.26566	384.51286	Y-Nitro	994.53162	497.76945	332.18206	8
8	86.09643	1264.60811	632.80769	422.20755	L	786.48321	393.74525	262.83259	7
9	60.04439	1351.64013	676.32371	451.21823	S	673.39915	337.20321	225.13790	6
10	44.04948	1422.67725	711.84226	474.89727	A	586.36712	293.68720	196.12722	5
11	86.09643	1535.76131	768.38429	512.59195	I	515.33001	258.16864	172.44819	4
12	86.09643	1648.84538	824.92633	550.28664	L	402.24594	201.62661	134.75350	3
13	87.05529	1762.88830	881.94779	588.30095	N	289.16188	145.08458	97.05881	2
14	129.11347				R	175.11895	88.06311	59.04450	1

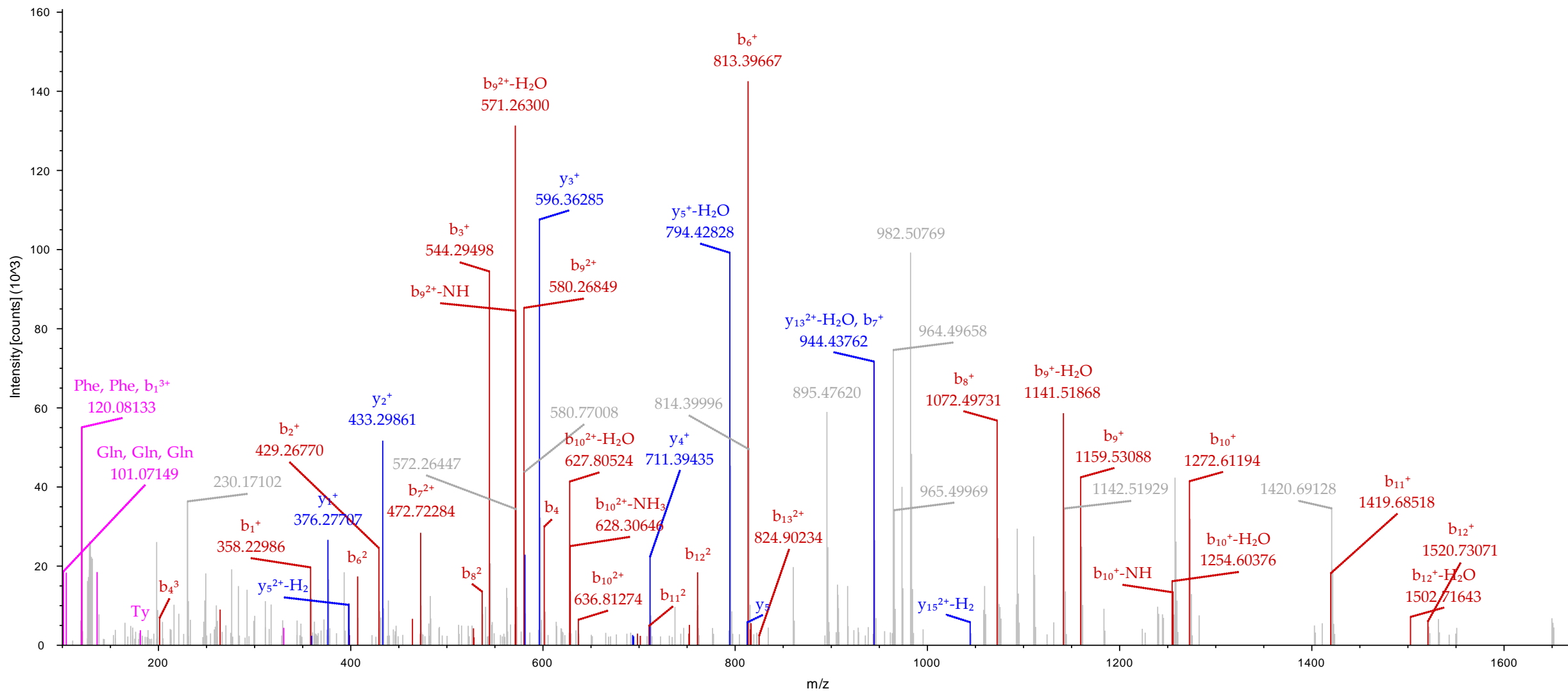
Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	358.27640	386.27132	193.63930	129.42862	97.32329	R-TMT6plex					16
2	70.06513	483.32408	242.16568	161.77955	121.58648	P	2000.98366	1000.99547	667.66607	501.00137	15
3	133.04301	643.35473	322.18100	215.12310	161.59414	C-Carbamidomethyl	1903.93090	952.46909	635.31515	476.73818	14
4	120.08078	790.42315	395.71521	264.14590	198.36124	F	1743.90025	872.45376	581.97160	436.73052	13
5	60.04439	877.45517	439.23123	293.15658	220.11925	S	1596.83183	798.91955	532.94880	399.96342	12
6	44.04948	948.49229	474.74978	316.83561	237.87853	A	1509.79980	755.40354	503.93812	378.20541	11
7	86.09643	1061.57635	531.29181	354.53030	266.14955	L	1438.76269	719.88498	480.25908	360.44613	10
8	74.06004	1162.62403	581.81565	388.21286	291.41147	T	1325.67863	663.34295	442.56439	332.17511	9
9	72.08078	1261.69244	631.34986	421.23567	316.17857	V	1224.63095	612.81911	408.88183	306.91319	8
10	88.03930	1376.71939	688.86333	459.57798	344.93530	D	1125.56253	563.28491	375.85903	282.14609	7
11	102.05496	1505.76198	753.38463	502.59218	377.19595	E	1010.53559	505.77143	337.51672	253.38936	6
12	74.06004	1606.80966	803.90847	536.27474	402.45787	T	881.49300	441.25014	294.50252	221.12871	5
13	181.06077	1814.85806	907.93267	605.62421	454.46997	Y-Nitro	780.44532	390.72630	260.81996	195.86679	4
14	72.08078	1913.92648	957.46688	638.64701	479.23708	V	572.39691	286.70210	191.47049	143.85469	3
15	70.06513	2010.97924	1005.99326	670.99793	503.50027	P	473.32850	237.16789	158.44768	119.08758	2
16	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

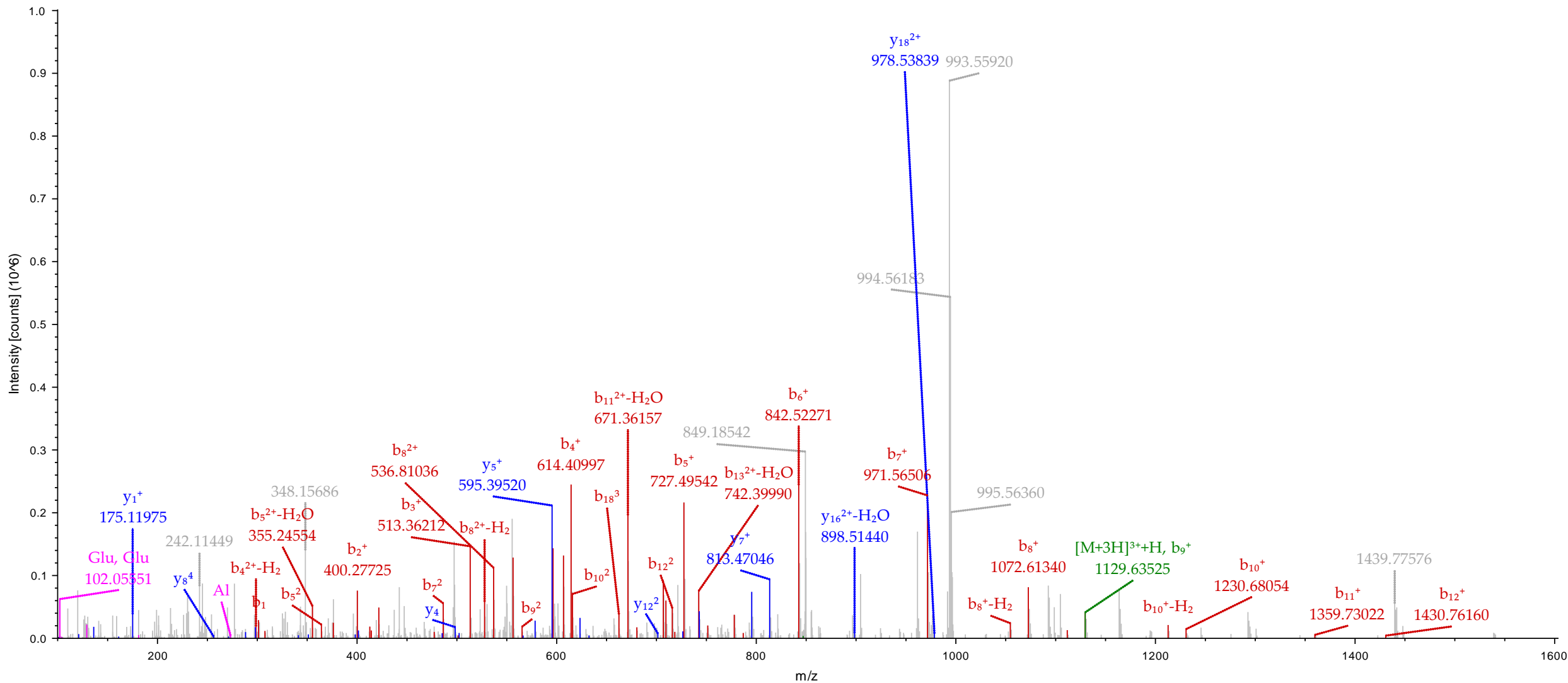
#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	330.23387	358.22879	179.61803	120.08111	Q-TMT6plex				23
2	44.04948	429.26590	215.13659	143.76015	A	2820.23303	1410.62015	940.74919	22
3	88.03930	544.29284	272.65006	182.10247	D	2749.19591	1375.10159	917.07016	21
4	30.03383	601.31431	301.16079	201.10962	G	2634.16897	1317.58812	878.72784	20
5	70.06513	698.36707	349.68717	233.46054	P	2577.14751	1289.07739	859.72069	19
6	88.03930	813.39401	407.20064	271.80286	D	2480.09474	1240.55101	827.36977	18
7	104.05285	944.43450	472.72089	315.48302	M	2365.06780	1183.03754	789.02745	17
8	101.07094	1072.49308	536.75018	358.16921	Q	2234.02731	1117.51730	745.34729	16
9	60.04439	1159.52510	580.26619	387.17989	S	2105.96874	1053.48801	702.66110	15
10	86.09643	1272.60917	636.80822	424.87457	L	2018.93671	1009.97199	673.65042	14
11	120.08078	1419.67758	710.34243	473.89738	F	1905.85265	953.42996	635.95573	13
12	74.06004	1520.72526	760.86627	507.57994	T	1758.78423	879.89575	586.93293	12
13	101.07094	1648.78384	824.89556	550.26613	Q	1657.73655	829.37191	553.25037	11
14	181.06077	1856.83224	928.91976	619.61560	Y-Nitro	1529.67798	765.34263	510.56418	10
15	120.08078	2003.90066	1002.45397	668.63840	F	1321.62957	661.31842	441.21471	9
16	101.07094	2131.95924	1066.48326	711.32460	Q	1174.56116	587.78422	392.19190	8
17	60.04439	2218.99126	1109.99927	740.33527	S	1046.50258	523.75493	349.50571	7
18	120.04776	2366.02666	1183.51697	789.34707	M-Oxidation	959.47055	480.23891	320.49503	6
19	74.06004	2467.07434	1234.04081	823.02963	T	812.43515	406.72121	271.48323	5
20	88.03930	2582.10128	1291.55428	861.37195	D	711.38747	356.19737	237.80067	4
21	136.07569	2745.16461	1373.08594	915.72639	Y	596.36053	298.68390	199.45836	3
22	30.03383	2802.18608	1401.59668	934.73354	G	433.29720	217.15224	145.10392	2
23	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	273.21241	301.20732	151.10730	101.07396	76.05729	A-TMT6plex					30
2	72.08078	400.27574	200.64151	134.09676	100.82439	V	3085.64896	1543.32812	1029.22117	772.16770	29
3	86.09643	513.35980	257.18354	171.79145	129.09541	L	2986.58055	1493.79391	996.19837	747.40059	28
4	74.06004	614.40748	307.70738	205.47401	154.35733	T	2873.49649	1437.25188	958.50368	719.12958	27
5	86.09643	727.49154	364.24941	243.16870	182.62834	I	2772.44881	1386.72804	924.82112	693.86766	26
6	88.03930	842.51849	421.76288	281.51101	211.38508	D	2659.36474	1330.18601	887.12643	665.59664	25
7	102.05496	971.56108	486.28418	324.52521	243.64573	E	2544.33780	1272.67254	848.78412	636.83991	24
8	74.06004	1072.60876	536.80802	358.20777	268.90765	T	2415.29521	1208.15124	805.76992	604.57926	23
9	30.03383	1129.63022	565.31875	377.21492	283.16301	G	2314.24753	1157.62740	772.08736	579.31734	22
10	74.06004	1230.67790	615.84259	410.89748	308.42493	T	2257.22607	1129.11667	753.08021	565.06197	21
11	102.05496	1359.72049	680.36388	453.91168	340.68558	E	2156.17839	1078.59283	719.39765	539.80005	20
12	44.04948	1430.75761	715.88244	477.59072	358.44486	A	2027.13579	1014.07154	676.38345	507.53941	19
13	44.04948	1501.79472	751.40100	501.26976	376.20414	A	1956.09868	978.55298	652.70441	489.78013	18
14	44.04948	1572.83183	786.91955	524.94880	393.96342	A	1885.06157	943.03442	629.02537	472.02085	17
15	72.08078	1671.90025	836.45376	557.97160	418.73052	V	1814.02445	907.51586	605.34634	454.26157	16
16	74.06004	1772.94793	886.97760	591.65416	443.99244	T	1714.95604	857.98166	572.32353	429.49447	15
17	72.08078	1872.01634	936.51181	624.67696	468.75954	V	1613.90836	807.45782	538.64097	404.23255	14
18	86.09643	1985.10040	993.05384	662.37165	497.03056	L	1514.83995	757.92361	505.61817	379.46544	13
19	86.09643	2098.18447	1049.59587	700.06634	525.30157	L	1401.75588	701.38158	467.92348	351.19443	12
20	44.04948	2169.22158	1085.11443	723.74538	543.06085	A	1288.67182	644.83955	430.22879	322.92341	11
21	72.08078	2268.28999	1134.64864	756.76818	567.82796	V	1217.63470	609.32099	406.54975	305.16413	10
22	70.06513	2365.34276	1183.17502	789.11910	592.09115	P	1118.56629	559.78678	373.52695	280.39703	9
23	181.06077	2573.39117	1287.19922	858.46857	644.10325	Y-Nitro	1021.51353	511.26040	341.17603	256.13384	8
24	60.04439	2660.42319	1330.71524	887.47925	665.86126	S	813.46512	407.23620	271.82656	204.12174	7
25	104.05285	2791.46368	1396.23548	931.15941	698.62138	M	726.43309	363.72018	242.81588	182.36373	6
26	70.06513	2888.51644	1444.76186	963.51033	722.88457	P	595.39261	298.19994	199.13572	149.60361	5
27	70.06513	2985.56921	1493.28824	995.86125	747.14776	P	498.33984	249.67356	166.78480	125.34042	4
28	86.09643	3098.65327	1549.83027	1033.55594	775.41877	I	401.28708	201.14718	134.43388	101.07723	3
29	86.09643	3211.73733	1606.37231	1071.25063	803.68979	L	288.20302	144.60515	96.73919	72.80621	2
30	129.11347					R	175.11895	88.06311	59.04450	44.53520	1

JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #104269 RT: 307.3550 min
FTMS, 848.2007@hcd35.00, z=+4, Mono m/z=847.69952 Da, MH+=3387.77627 Da, Match Tol.=0.02 Da

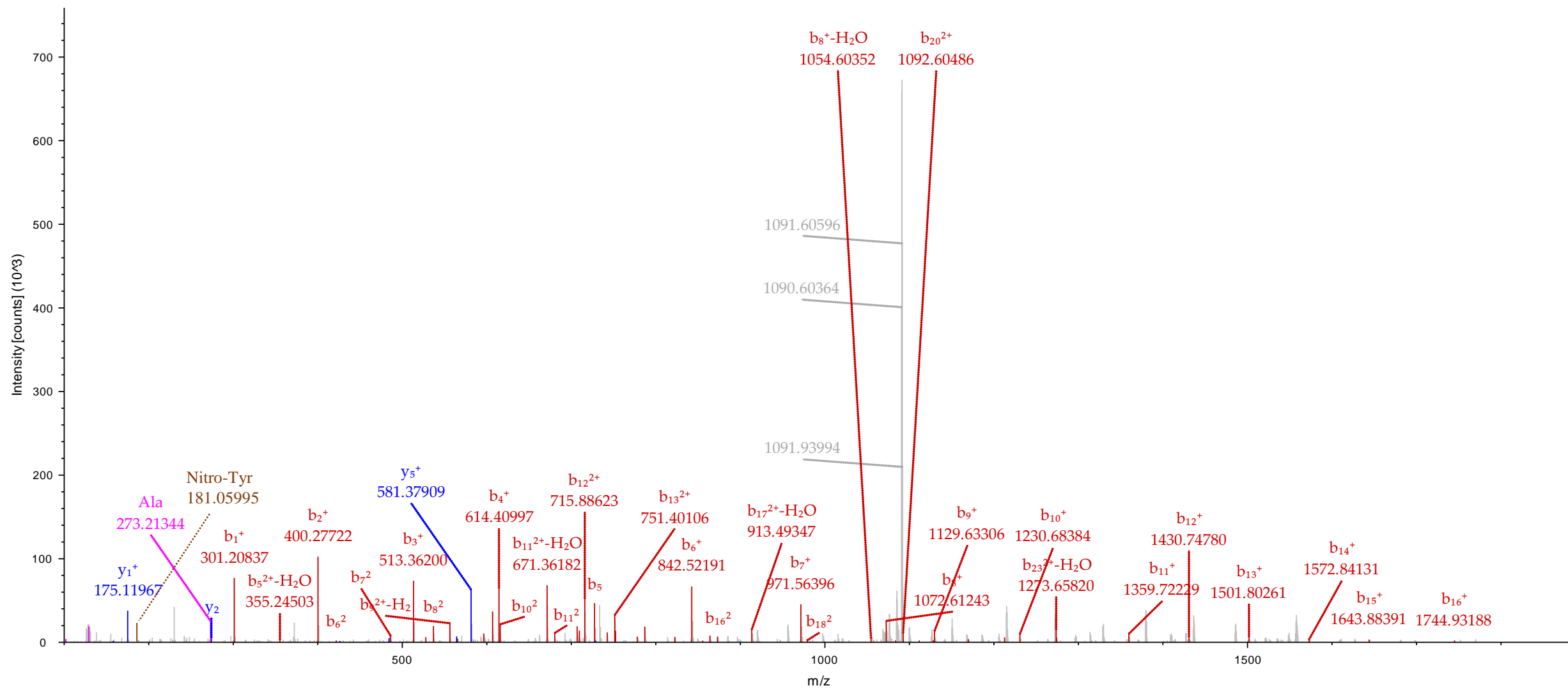


— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	273.21241	301.20732	151.10730	101.07396	A-TMT6plex				30
2	72.08078	400.27574	200.64151	134.09676	V	3078.56636	1539.78682	1026.86030	29
3	86.09643	513.35980	257.18354	171.79145	L	2979.49794	1490.25261	993.83750	28
4	74.06004	614.40748	307.70738	205.47401	T	2866.41388	1433.71058	956.14281	27
5	86.09643	727.49154	364.24941	243.16870	I	2765.36620	1383.18674	922.46025	26
6	88.03930	842.51849	421.76288	281.51101	D	2652.28214	1326.64471	884.76556	25
7	102.05496	971.56108	486.28418	324.52521	E	2537.25519	1269.13123	846.42325	24
8	74.06004	1072.60876	536.80802	358.20777	T	2408.21260	1204.60994	803.40905	23
9	30.03383	1129.63022	565.31875	377.21492	G	2307.16492	1154.08610	769.72649	22
10	74.06004	1230.67790	615.84259	410.89748	T	2250.14346	1125.57537	750.71934	21
11	102.05496	1359.72049	680.36388	453.91168	E	2149.09578	1075.05153	717.03678	20
12	44.04948	1430.75761	715.88244	477.59072	A	2020.05319	1010.53023	674.02258	19
13	44.04948	1501.79472	751.40100	501.26976	A	1949.01607	975.01167	650.34354	18
14	44.04948	1572.83183	786.91955	524.94880	A	1877.97896	939.49312	626.66450	17
15	44.04948	1643.86895	822.43811	548.62783	A	1806.94185	903.97456	602.98547	16
16	74.06004	1744.91663	872.96195	582.31039	T	1735.90473	868.45600	579.30643	15
17	72.08078	1843.98504	922.49616	615.33320	V	1634.85705	817.93216	545.62387	14
18	86.09643	1957.06910	979.03819	653.02789	L	1535.78864	768.39796	512.60106	13
19	101.07094	2085.12768	1043.06748	695.71408	Q	1422.70458	711.85593	474.90638	12
20	72.08078	2184.19609	1092.60169	728.73688	V	1294.64600	647.82664	432.22018	11
21	44.04948	2255.23321	1128.12024	752.41592	A	1195.57758	598.29243	399.19738	10
22	74.06004	2356.28089	1178.64408	786.09848	T	1124.54047	562.77387	375.51834	9
23	181.06077	2564.32929	1282.66828	855.44795	Y-Nitro	1023.49279	512.25003	341.83578	8
24	60.04439	2651.36132	1326.18430	884.45862	S	815.44439	408.22583	272.48631	7
25	120.04776	2798.39672	1399.70200	933.47042	M-Oxidation	728.41236	364.70982	243.47564	6
26	70.06513	2895.44948	1448.22838	965.82135	P	581.37696	291.19212	194.46384	5
27	70.06513	2992.50225	1496.75476	998.17227	P	484.32419	242.66574	162.11292	4
28	86.09643	3105.58631	1553.29679	1035.86696	I	387.27143	194.13935	129.76199	3
29	72.08078	3204.65473	1602.83100	1068.88976	V	274.18737	137.59732	92.06731	2
30	129.11347				R	175.11895	88.06311	59.04450	1

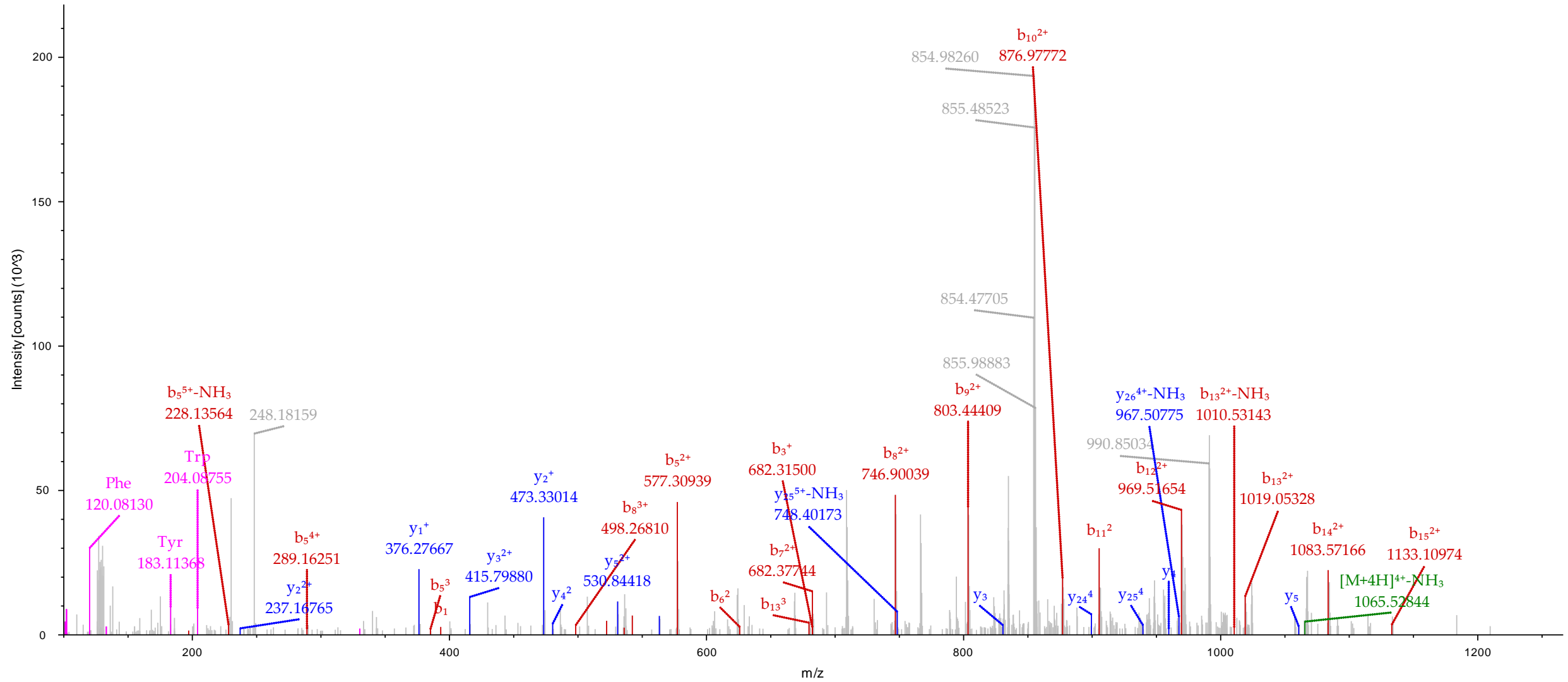
Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #99489 RT: 295.8834 min
FTMS, 1126.2743@hcd35.00, z=+3, Mono m/z=1126.27429 Da, MH+=3376.80832 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	365.23862	393.23354	197.12041	131.74936	99.06384	79.45253	Y-TMT6plex						27
2	102.05496	522.27613	261.64170	174.76356	131.32449	105.26105	E	3883.96358	1942.48543	1295.32604	971.74635	777.59854	26
3	133.04301	682.30678	341.65703	228.10711	171.33215	137.26718	C-Carbamidomethyl	3754.92098	1877.96413	1252.31185	939.48570	751.79002	25
4	87.05529	796.34971	398.67849	266.12142	199.84288	160.07576	N	3594.89034	1797.94881	1198.96830	899.47804	719.78389	24
5	330.27026	1153.60760	577.30744	385.20738	289.15736	231.52734	K-TMT6plex	3480.84741	1740.92734	1160.95399	870.96731	696.97530	23
6	70.06513	1250.66036	625.83382	417.55831	313.42055	250.93789	P	3123.58951	1562.29840	1041.86802	781.65284	625.52372	22
7	86.09643	1363.74443	682.37585	455.25299	341.69156	273.55471	L	3026.53675	1513.77201	1009.51710	757.38964	606.11317	21
8	102.05496	1492.78702	746.89715	498.26719	373.95221	299.36323	E	2913.45269	1457.22998	971.82241	729.11863	583.49636	20
9	86.09643	1605.87109	803.43918	535.96188	402.22323	321.98004	L	2784.41009	1392.70868	928.80822	696.85798	557.68784	19
10	120.08078	1752.93950	876.97339	584.98468	438.99033	351.39372	F	2671.32603	1336.16665	891.11353	668.58696	535.07103	18
11	30.03383	1809.96096	905.48412	603.99184	453.24570	362.79801	G	2524.25762	1262.63245	842.09072	631.81986	505.65734	17
12	101.07094	1938.01954	969.51341	646.67803	485.26034	388.40973	Q	2467.23615	1234.12171	823.08357	617.56450	494.25305	16
13	72.08078	2037.08795	1019.04762	679.70084	510.02745	408.22341	V	2339.17757	1170.09243	780.39738	585.54985	468.64134	15
14	102.05496	2166.13055	1083.56891	722.71503	542.28809	434.03193	E	2240.10916	1120.55822	747.37457	560.78275	448.82765	14
15	72.08078	2265.19896	1133.10312	755.73784	567.05520	453.84561	V	2111.06657	1056.03692	704.36037	528.52210	423.01913	13
16	120.04776	2412.23436	1206.62082	804.74964	603.81405	483.25269	M-Oxidation	2011.99815	1006.50272	671.33757	503.75500	403.20545	12
17	133.04301	2572.26501	1286.63614	858.09319	643.82171	515.25882	C-Carbamidomethyl	1864.96275	932.98502	622.32577	466.99615	373.79837	11
18	102.05496	2701.30760	1351.15744	901.10739	676.08236	541.06734	E	1704.93211	852.96969	568.98222	426.98848	341.79224	10
19	87.05529	2815.35053	1408.17890	939.12169	704.59309	563.87593	N	1575.88951	788.44839	525.96802	394.72784	315.98372	9
20	30.03383	2872.37199	1436.68964	958.12885	718.84846	575.28022	G	1461.84658	731.42693	487.95371	366.21710	293.17514	8
21	86.09643	2985.45606	1493.23167	995.82354	747.11947	597.89703	I	1404.82512	702.91620	468.94656	351.96174	281.77085	7
22	204.07675	3216.52045	1608.76386	1072.84500	804.88557	644.10991	W-Nitro	1291.74106	646.37417	431.25187	323.69072	259.15403	6
23	74.06004	3317.56813	1659.28770	1106.52756	830.14749	664.31945	T	1060.67667	530.84197	354.23041	265.92462	212.94115	5
24	102.05496	3446.61072	1723.80900	1149.54176	862.40814	690.12797	E	959.62899	480.31813	320.54785	240.66270	192.73162	4
25	330.27026	3803.86861	1902.43795	1268.62772	951.72261	761.57954	K-TMT6plex	830.58640	415.79684	277.53365	208.40206	166.92310	3
26	70.06513	3900.92138	1950.96433	1300.97864	975.98580	780.99010	P	473.32850	237.16789	158.44768	119.08758	95.47152	2
27	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

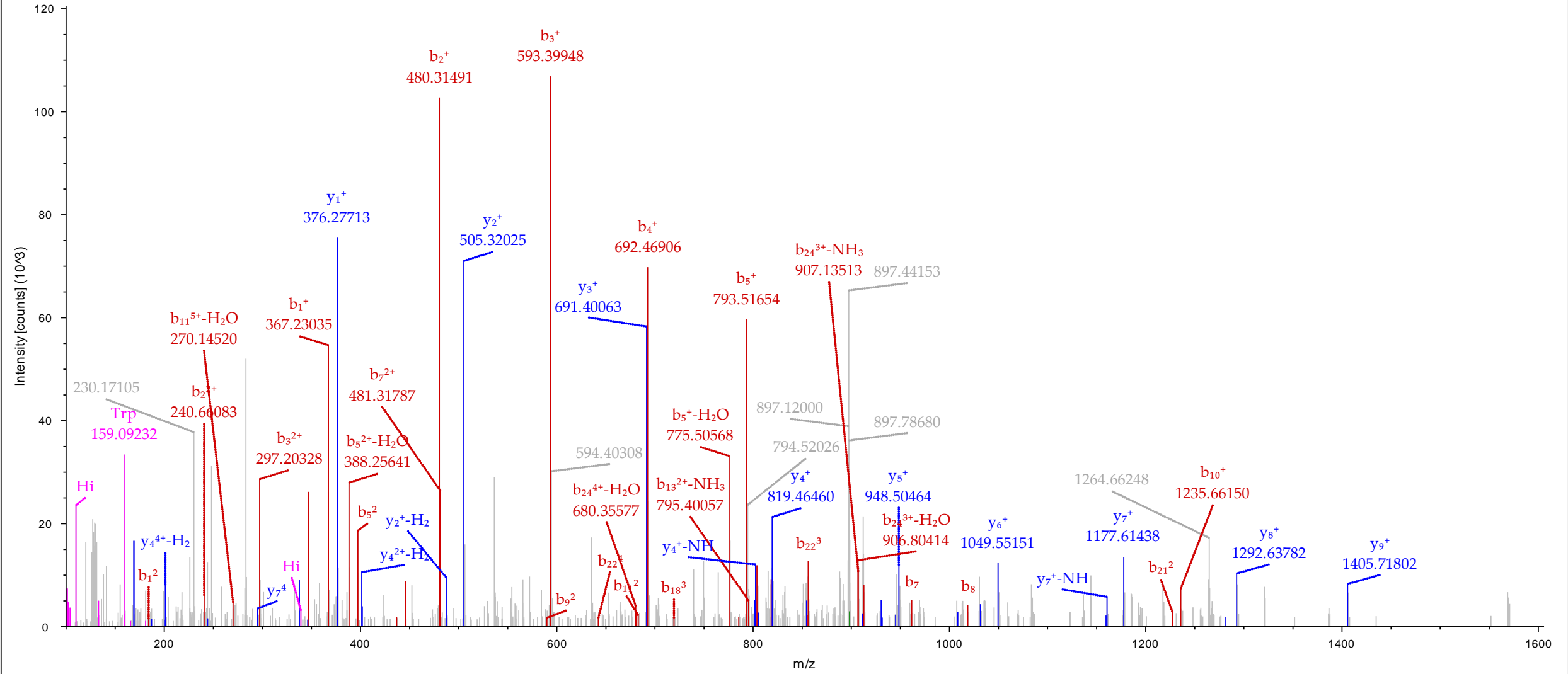


Legend:

- Green line: Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
- Magenta line: Immonium
- Blue line: y, y-H₂O, y-NH₃
- Red line: b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	339.23421	367.22912	184.11820	123.08122	92.56274	74.25165	H-TMT6plex						35
2	86.09643	480.31318	240.66023	160.77591	120.83375	96.86846	L	4120.00270	2060.50499	1374.00575	1030.75613	824.80636	34
3	86.09643	593.39725	297.20226	198.47060	149.10477	119.48527	I	4006.91864	2003.96296	1336.31106	1002.48512	802.18955	33
4	72.08078	692.46566	346.73647	231.49341	173.87187	139.29895	V	3893.83457	1947.42093	1298.61638	974.21410	779.57274	32
5	74.06004	793.51334	397.26031	265.17596	199.13379	159.50849	T	3794.76616	1897.88672	1265.59357	949.44700	759.75905	31
6	70.06513	890.56610	445.78669	297.52689	223.39698	178.91904	P	3693.71848	1847.36288	1231.91101	924.18508	739.54952	30
7	44.04948	961.60322	481.30525	321.20592	241.15626	193.12646	A	3596.66572	1798.83650	1199.56009	899.92189	720.13897	29
8	30.03383	1018.62468	509.81598	340.21308	255.41163	204.53076	G	3525.62861	1763.31794	1175.88105	882.16261	705.93154	28
9	133.04301	1178.65533	589.83130	393.55663	295.41929	236.53689	Carbamidomett	3468.60714	1734.80721	1156.87390	867.90724	694.52725	27
10	30.03383	1235.67679	618.34204	412.56378	309.67466	247.94118	G	3308.57649	1654.79188	1103.53035	827.89958	662.52112	26
11	102.05496	1364.71939	682.86333	455.57798	341.93530	273.74970	E	3251.55503	1626.28115	1084.52319	813.64421	651.11683	25
12	101.07094	1492.77796	746.89262	498.26417	373.94995	299.36141	Q	3122.51244	1561.75986	1041.50900	781.38357	625.30831	24
13	87.05529	1606.82089	803.91408	536.27848	402.46068	322.17000	N	2994.45386	1497.73057	998.82280	749.36892	599.69659	23
14	104.05285	1737.86138	869.43433	579.95864	435.22080	348.37810	M	2880.41093	1440.70910	960.80849	720.85819	576.88801	22
15	86.09643	1850.94544	925.97636	617.65333	463.49182	370.99491	I	2749.37045	1375.18886	917.12833	688.09807	550.67991	21
16	30.03383	1907.96690	954.48709	636.66049	477.74718	382.39920	G	2636.28638	1318.64683	879.43365	659.82705	528.06310	20
17	120.04776	2055.00230	1028.00479	685.67229	514.50603	411.80628	M-Oxidation	2579.26492	1290.13610	860.42649	645.57169	516.65881	19
18	74.06004	2156.04998	1078.52863	719.35485	539.76795	432.01582	T	2432.22952	1216.61840	811.41469	608.81284	487.25173	18
19	70.06513	2253.10275	1127.05501	751.70577	564.03114	451.42637	P	2331.18184	1166.09456	777.73213	583.55092	467.04219	17
20	74.06004	2354.15042	1177.57885	785.38833	589.29306	471.63591	T	2234.12908	1117.56818	745.38121	559.28773	447.63164	16
21	72.08078	2453.21884	1227.11306	818.41113	614.06017	491.44959	V	2133.08140	1067.04434	711.69865	534.02581	427.42210	15
22	86.09643	2566.30290	1283.65509	856.10582	642.33118	514.06640	I	2034.01299	1017.51013	678.67585	509.25870	407.60842	14
23	44.04948	2637.34002	1319.17365	879.78486	660.09046	528.27382	A	1920.92892	960.96810	640.98116	480.98769	384.99161	13
24	72.08078	2736.40843	1368.70785	912.80766	684.85756	548.08751	V	1849.89181	925.44954	617.30212	463.22841	370.78418	12
25	110.07127	2873.46734	1437.23731	958.49396	719.12229	575.49929	H	1750.82339	875.91534	584.27932	438.46131	350.97050	11
26	181.06077	3081.51575	1541.26151	1027.84343	771.13439	617.10897	Y-Nitro	1613.76448	807.38588	538.59301	404.19658	323.55872	10
27	86.09643	3194.59981	1597.80354	1065.53812	799.40541	639.72578	L	1405.71608	703.36168	469.24354	352.18448	281.94904	9
28	88.03930	3309.62675	1655.31702	1103.88044	828.16215	662.73117	D	1292.63201	646.81964	431.54885	323.91346	259.33222	8
29	101.07094	3437.68533	1719.34630	1146.56663	860.17679	688.34289	Q	1177.60507	589.30617	393.20654	295.15672	236.32683	7
30	74.06004	3538.73301	1769.87014	1180.24919	885.43871	708.55242	T	1049.54649	525.27688	350.52035	263.14208	210.71512	6
31	102.05496	3667.77560	1834.39144	1223.26339	917.69936	734.36094	E	948.49881	474.75304	316.83779	237.88016	190.50558	5
32	101.07094	3795.83418	1898.42073	1265.94958	949.71400	759.97266	Q	819.45622	410.23175	273.82359	205.61951	164.69707	4
33	159.09167	3981.91349	1991.46039	1327.97602	996.23383	797.18852	W	691.39764	346.20246	231.13740	173.60487	139.08535	3
34	102.05496	4110.95609	2055.98168	1370.99021	1028.49448	822.99704	E	505.31833	253.16280	169.11096	127.08504	101.86949	2
35	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

JM_NDplasmaBVM_TMT_Fr3.raw #66403 RT: 208.0427 min
 FTMS, 898.0554@hcd35.00, z=+5, Mono m/z=897.85480 Da, MH+=4485.24488 Da, Match Tol.=0.02 Da

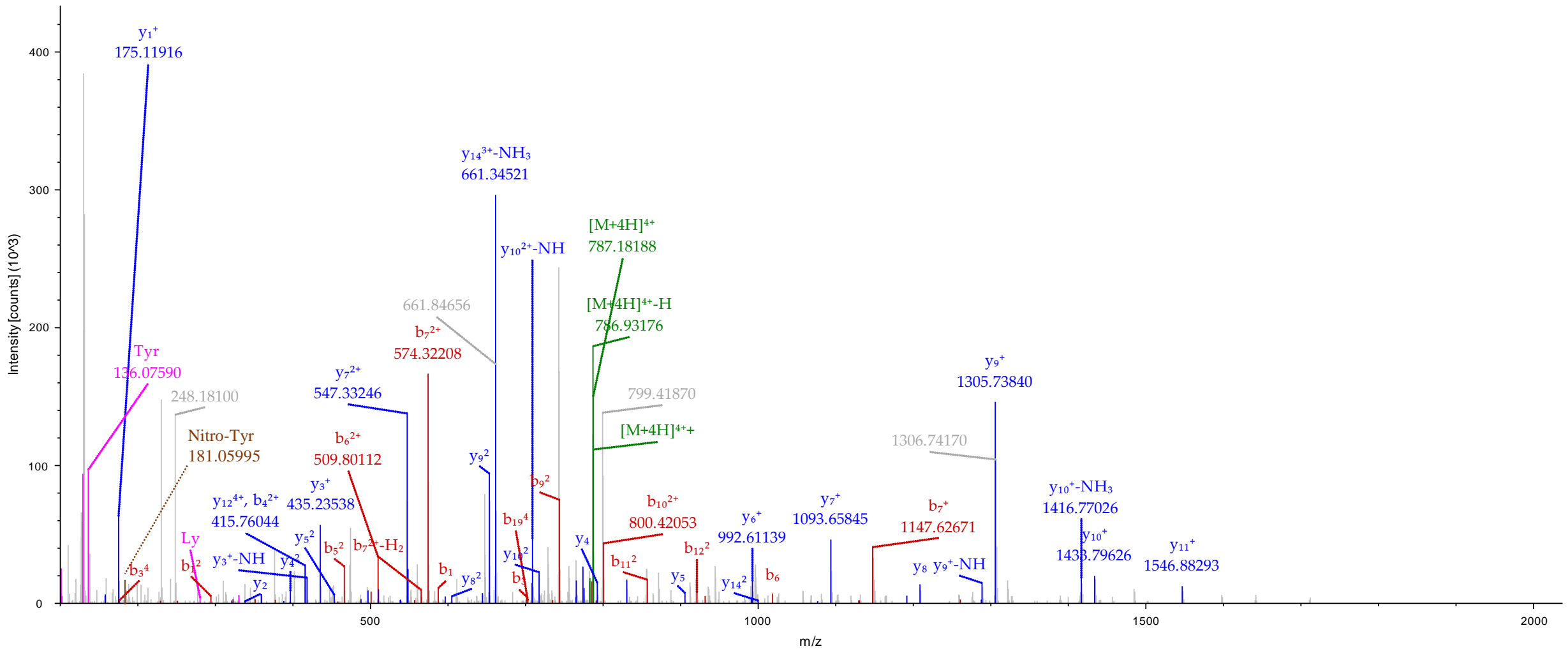


— Pre-H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— Immonium
— y, y-H₂O, y-NH₃
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	559.43319	587.42810	294.21769	196.48089	147.61248	K-TMT6plex-TMT6plex					21
2	30.03383	644.44957	322.72842	215.48804	161.86785	G	2559.25983	1280.13356	853.75813	640.57042	20
3	30.03383	701.47103	351.23915	234.49519	176.12322	G	2502.23837	1251.62282	834.75097	626.31505	19
4	102.05496	830.51362	415.76045	277.50939	208.38386	E	2445.21691	1223.11209	815.74382	612.05968	18
5	74.06004	931.56130	466.28429	311.19195	233.64578	T	2316.17431	1158.59079	772.72962	579.79904	17
6	60.04439	1018.59333	509.80030	340.20263	255.40379	S	2215.12663	1108.06696	739.04706	554.53712	16
7	102.05496	1147.63592	574.32160	383.21683	287.66444	E	2128.09461	1064.55094	710.03639	532.77911	15
8	104.05285	1278.67641	639.84184	426.89699	320.42456	M	1999.05201	1000.02964	667.02219	500.51846	14
9	181.06077	1486.72481	743.86605	496.24646	372.43666	Y-Nitro	1868.01153	934.50940	623.34203	467.75834	13
10	86.09643	1599.80888	800.40808	533.94114	400.70768	L	1659.96312	830.48520	553.99256	415.74624	12
11	86.09643	1712.89294	856.95011	571.63583	428.97869	I	1546.87906	773.94317	516.29787	387.47522	11
12	101.07094	1840.95152	920.97940	614.32202	460.99334	Q	1433.79499	717.40114	478.60318	359.20421	10
13	70.06513	1938.00428	969.50578	646.67295	485.25653	P	1305.73642	653.37185	435.91699	327.18956	9
14	88.03930	2053.03123	1027.01925	685.01526	514.01326	D	1208.68365	604.84546	403.56607	302.92637	8
15	74.06004	2154.07891	1077.54309	718.69782	539.27518	T	1093.65671	547.33199	365.22375	274.16964	7
16	60.04439	2241.11093	1121.05911	747.70850	561.03319	S	992.60903	496.80815	331.54120	248.90772	6
17	86.09643	2354.19500	1177.60114	785.40318	589.30421	I	905.57700	453.29214	302.53052	227.14971	5
18	330.27026	2711.45289	1356.23008	904.48915	678.61868	K-TMT6plex	792.49294	396.75011	264.83583	198.87869	4
19	70.06513	2808.50566	1404.75647	936.84007	702.88187	P	435.23504	218.12116	145.74987	109.56422	3
20	136.07569	2971.56898	1486.28813	991.19451	743.64770	Y	338.18228	169.59478	113.39894	85.30103	2
21	129.11347					R	175.11895	88.06311	59.04450	44.53520	1

Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

JMR_Mouse_Marfan_TMT_Fr4_191003104527.raw #19248 RT: 77.9204 min
 FTMS, 787.1835@hcd30.00, z=+4, Mono m/z=786.68268 Da, MH+=3143.70888 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

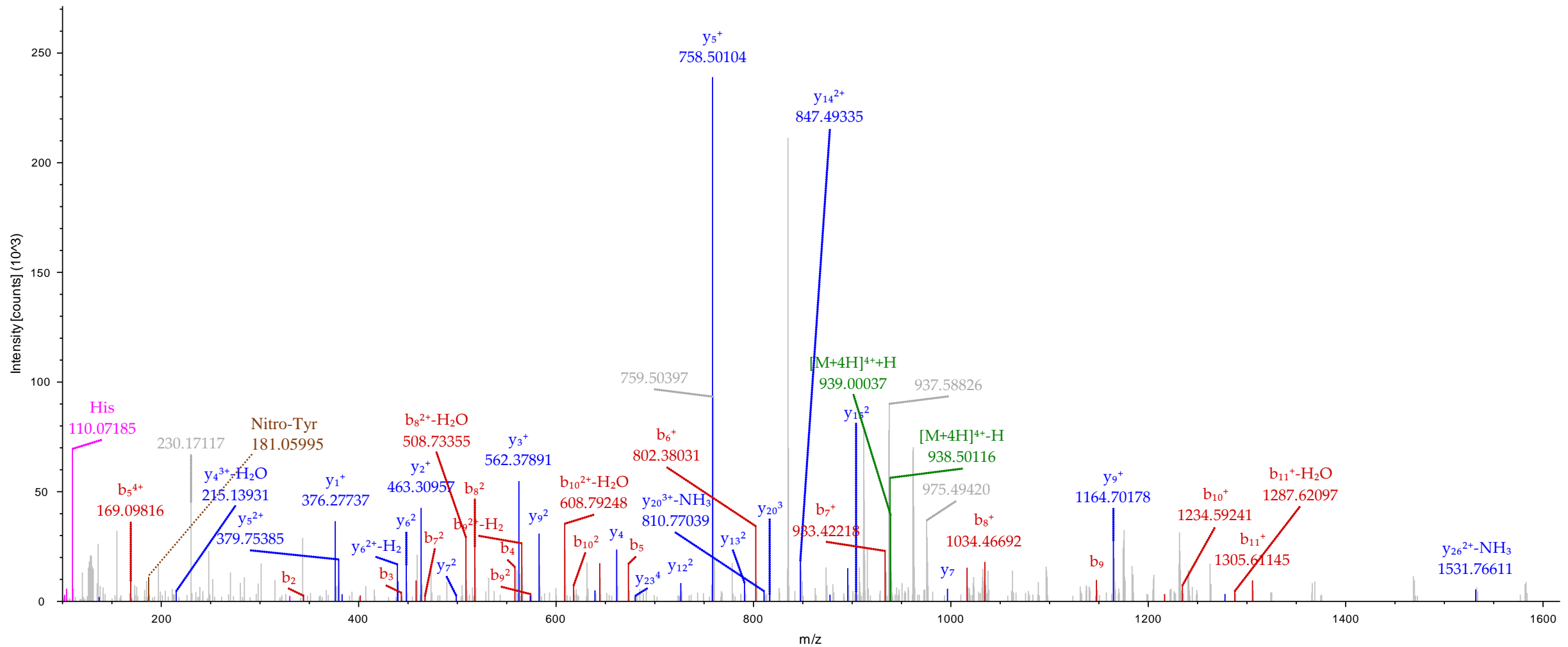
#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	273.21241	301.20732	151.10730	101.07396	76.05729	61.04729	A-TMT6plex						30
2	72.08078	400.27574	200.64151	134.09676	100.82439	80.86097	V	3833.01955	1917.01341	1278.34470	959.01034	767.40973	29
3	88.03930	515.30268	258.15498	172.43908	129.58113	103.86636	D	3733.95113	1867.47920	1245.32190	934.24324	747.59605	28
4	101.07094	643.36126	322.18427	215.12527	161.59577	129.47807	Q	3618.92419	1809.96573	1206.97958	905.48650	724.59066	27
5	60.04439	730.39328	365.70028	244.13595	183.35378	146.88448	S	3490.86561	1745.93644	1164.29339	873.47186	698.97894	26
6	72.08078	829.46170	415.23449	277.15875	208.12088	166.69816	V	3403.83358	1702.42043	1135.28271	851.71385	681.57254	25
7	86.09643	942.54576	471.77652	314.85344	236.39190	189.31497	L	3304.76517	1652.88622	1102.25991	826.94675	661.75886	24
8	86.09643	1055.62983	528.31855	352.54813	264.66291	211.93179	L	3191.68111	1596.34419	1064.56522	798.67573	639.14204	23
9	86.09643	1168.71389	584.86058	390.24281	292.93393	234.54860	L	3078.59704	1539.80216	1026.87053	770.40472	616.52523	22
10	330.27026	1525.97179	763.48953	509.32878	382.24840	306.00018	K-TMT6plex	2965.51298	1483.26013	989.17584	742.13370	593.90842	21
11	70.06513	1623.02455	812.01591	541.67970	406.51159	325.41073	P	2608.25508	1304.63118	870.08988	652.81923	522.45684	20
12	102.05496	1752.06714	876.53721	584.69390	438.77224	351.21925	E	2511.20232	1256.10480	837.73896	628.55604	503.04629	19
13	60.04439	1839.09917	920.05322	613.70457	460.53025	368.62566	S	2382.15973	1191.58350	794.72476	596.29539	477.23777	18
14	102.05496	1968.14176	984.57452	656.71877	492.79090	394.43417	E	2295.12770	1148.06749	765.71408	574.53738	459.83136	17
15	86.09643	2081.22583	1041.11655	694.41346	521.06191	417.05099	L	2166.08510	1083.54619	722.69989	542.27673	434.02284	16
16	60.04439	2168.25786	1084.63257	723.42414	542.81992	434.45739	S	2053.00104	1027.00416	685.00520	514.00572	411.40603	15
17	70.06513	2265.31062	1133.15895	755.77506	567.08311	453.86795	P	1965.96901	983.48814	655.99452	492.24771	393.99962	14
18	60.04439	2352.34265	1176.67496	784.78573	588.84112	471.27435	S	1868.91625	934.96176	623.64360	467.98452	374.58907	13
19	159.09167	2538.42196	1269.71462	846.81217	635.36095	508.49021	W	1781.88422	891.44575	594.63292	446.22651	357.18267	12
20	86.09643	2651.50603	1326.25665	884.50686	663.63196	531.10703	I	1595.80491	798.40609	532.60649	399.70668	319.96680	11
21	181.06077	2859.55443	1430.28085	953.85633	715.64407	572.71671	Y-Nitro	1482.72084	741.86406	494.91180	371.43567	297.34999	10
22	87.05529	2973.59736	1487.30232	991.87064	744.15480	595.52529	N	1274.67244	637.83986	425.56233	319.42357	255.74031	9
23	86.09643	3086.68142	1543.84435	1029.56533	772.42581	618.14211	L	1160.62951	580.81839	387.54802	290.91283	232.93172	8
24	70.06513	3183.73419	1592.37073	1061.91625	796.68900	637.55266	P	1047.54545	524.27636	349.85333	262.64182	210.31491	7
25	30.03383	3240.75565	1620.88146	1080.92340	810.94437	648.95695	G	950.49268	475.74998	317.50241	238.37863	190.90436	6
26	120.04776	3387.79105	1694.39916	1129.93520	847.70322	678.36403	M-Oxidation	893.47122	447.23925	298.49526	224.12326	179.50006	5
27	101.07094	3515.84963	1758.42845	1172.62139	879.71786	703.97575	Q	746.43582	373.72155	249.48346	187.36441	150.09299	4
28	101.07094	3643.90820	1822.45774	1215.30759	911.73251	729.58746	Q	618.37724	309.69226	206.79726	155.34977	124.48127	3
29	87.05529	3757.95113	1879.47920	1253.32190	940.24324	752.39605	N	490.31866	245.66297	164.11107	123.33512	98.86955	2
30	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	273.21241	301.20732	151.10730	101.07396	76.05729	A-TMT6plex					30
2	72.08078	400.27574	200.64151	134.09676	100.82439	V	3817.02463	1909.01595	1273.01306	955.01162	29
3	88.03930	515.30268	258.15498	172.43908	129.58113	D	3717.95622	1859.48175	1239.99026	930.24451	28
4	101.07094	643.36126	322.18427	215.12527	161.59577	Q	3602.92927	1801.96828	1201.64794	901.48778	27
5	60.04439	730.39328	365.70028	244.13595	183.35378	S	3474.87070	1737.93899	1158.96175	869.47313	26
6	72.08078	829.46170	415.23449	277.15875	208.12088	V	3387.83867	1694.42297	1129.95107	847.71512	25
7	86.09643	942.54576	471.77652	314.85344	236.39190	L	3288.77025	1644.88877	1096.92827	822.94802	24
8	86.09643	1055.62983	528.31855	352.54813	264.66291	L	3175.68619	1588.34673	1059.23358	794.67701	23
9	86.09643	1168.71389	584.86058	390.24281	292.93393	L	3062.60213	1531.80470	1021.53889	766.40599	22
10	330.27026	1525.97179	763.48953	509.32878	382.24840	K-TMT6plex	2949.51806	1475.26267	983.84421	738.13497	21
11	70.06513	1623.02455	812.01591	541.67970	406.51159	P	2592.26017	1296.63372	864.75824	648.82050	20
12	102.05496	1752.06714	876.53721	584.69390	438.77224	E	2495.20740	1248.10734	832.40732	624.55731	19
13	60.04439	1839.09917	920.05322	613.70457	460.53025	S	2366.16481	1183.58604	789.39312	592.29666	18
14	102.05496	1968.14176	984.57452	656.71877	492.79090	E	2279.13278	1140.07003	760.38245	570.53865	17
15	86.09643	2081.22583	1041.11655	694.41346	521.06191	L	2150.09019	1075.54873	717.36825	538.27800	16
16	60.04439	2168.25786	1084.63257	723.42414	542.81992	S	2037.00613	1019.00670	679.67356	510.00699	15
17	70.06513	2265.31062	1133.15895	755.77506	567.08311	P	1949.97410	975.49069	650.66288	488.24898	14
18	60.04439	2352.34265	1176.67496	784.78573	588.84112	S	1852.92133	926.96431	618.31196	463.98579	13
19	204.07675	2583.40704	1292.20716	861.80720	646.60722	W-Nitro	1765.88931	883.44829	589.30129	442.22778	12
20	86.09643	2696.49110	1348.74919	899.50189	674.87823	I	1534.82491	767.91610	512.27982	384.46169	11
21	136.07569	2859.55443	1430.28085	953.85633	715.64407	Y	1421.74085	711.37406	474.58513	356.19067	10
22	87.05529	2973.59736	1487.30232	991.87064	744.15480	N	1258.67752	629.84240	420.23069	315.42484	9
23	86.09643	3086.68142	1543.84435	1029.56533	772.42581	L	1144.63459	572.82094	382.21638	286.91411	8
24	70.06513	3183.73419	1592.37073	1061.91625	796.68900	P	1031.55053	516.27890	344.52169	258.64309	7
25	30.03383	3240.75565	1620.88146	1080.92340	810.94437	G	934.49777	467.75252	312.17077	234.37990	6
26	104.05285	3371.79613	1686.40171	1124.60356	843.70449	M	877.47630	439.24179	293.16362	220.12453	5
27	101.07094	3499.85471	1750.43099	1167.28976	875.71914	Q	746.43582	373.72155	249.48346	187.36441	4
28	101.07094	3627.91329	1814.46028	1209.97595	907.73378	Q	618.37724	309.69226	206.79726	155.34977	3
29	87.05529	3741.95622	1871.48175	1247.99026	936.24451	N	490.31866	245.66297	164.11107	123.33512	2
30	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	259.19676	287.19167	144.09947	96.40208	72.55338	G-TMT6plex					31
2	30.03383	344.21314	172.61021	115.40923	86.80874	G	3465.73305	1733.37016	1155.91587	867.18872	30
3	72.08078	443.28155	222.14441	148.43203	111.57584	V	3408.71159	1704.85943	1136.90871	852.93335	29
4	88.03930	558.30849	279.65788	186.77435	140.33258	D	3309.64318	1655.32523	1103.88591	828.16625	28
5	88.03930	673.33544	337.17136	225.11666	169.08932	D	3194.61623	1597.81175	1065.54360	799.40952	27
6	102.05496	802.37803	401.69265	268.13086	201.34996	E	3079.58929	1540.29828	1027.20128	770.65278	26
7	104.05285	933.41851	467.21289	311.81102	234.11009	M	2950.54670	1475.77699	984.18708	738.39213	25
8	74.06004	1034.46619	517.73673	345.49358	259.37201	T	2819.50621	1410.25674	940.50692	705.63201	24
9	86.09643	1147.55026	574.27877	383.18827	287.64302	L	2718.45853	1359.73291	906.82436	680.37009	23
10	60.04439	1234.58228	617.79478	412.19895	309.40103	S	2605.37447	1303.19087	869.12967	652.09907	22
11	44.04948	1305.61940	653.31334	435.87798	327.16031	A	2518.34244	1259.67486	840.11900	630.34107	21
12	181.06077	1513.66780	757.33754	505.22745	379.17241	Y-Nitro	2447.30533	1224.15630	816.43996	612.58179	20
13	86.09643	1626.75187	813.87957	542.92214	407.44342	I	2239.25692	1120.13210	747.09049	560.56969	19
14	74.06004	1727.79955	864.40341	576.60470	432.70534	T	2126.17286	1063.59007	709.39580	532.29867	18
15	120.04776	1874.83495	937.92111	625.61650	469.46419	M-Oxidation	2025.12518	1013.06623	675.71324	507.03675	17
16	44.04948	1945.87206	973.43967	649.29554	487.22347	A	1878.08978	939.54853	626.70144	470.27790	16
17	86.09643	2058.95612	1029.98170	686.99023	515.49449	L	1807.05267	904.02997	603.02241	452.51862	15
18	86.09643	2172.04019	1086.52373	724.68491	543.76550	L	1693.96860	847.48794	565.32772	424.24761	14
19	102.05496	2301.08278	1151.04503	767.69911	576.02615	E	1580.88454	790.94591	527.63303	395.97659	13
20	60.04439	2388.11481	1194.56104	796.70979	597.78416	S	1451.84194	726.42461	484.61883	363.71594	12
21	60.04439	2475.14684	1238.07706	825.72046	619.54217	S	1364.80992	682.90860	455.60816	341.95794	11
22	86.09643	2588.23090	1294.61909	863.41515	647.81318	L	1277.77789	639.39258	426.59748	320.19993	10
23	70.06513	2685.28367	1343.14547	895.76607	672.07637	P	1164.69382	582.85055	388.90279	291.92891	9
24	44.04948	2756.32078	1378.66403	919.44511	689.83565	A	1067.64106	534.32417	356.55187	267.66572	8
25	74.06004	2857.36846	1429.18787	953.12767	715.09757	T	996.60395	498.80561	332.87283	249.90644	7
26	110.07127	2994.42737	1497.71732	998.81397	749.36230	H	895.55627	448.28177	299.19027	224.64452	6
27	70.06513	3091.48013	1546.24370	1031.16490	773.62549	P	758.49736	379.75232	253.50397	190.37980	5
28	72.08078	3190.54855	1595.77791	1064.18770	798.39259	V	661.44459	331.22593	221.15305	166.11661	4
29	72.08078	3289.61696	1645.31212	1097.21050	823.15970	V	562.37618	281.69173	188.13024	141.34950	3
30	60.04439	3376.64899	1688.82813	1126.22118	844.91770	S	463.30776	232.15752	155.10744	116.58240	2
31	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

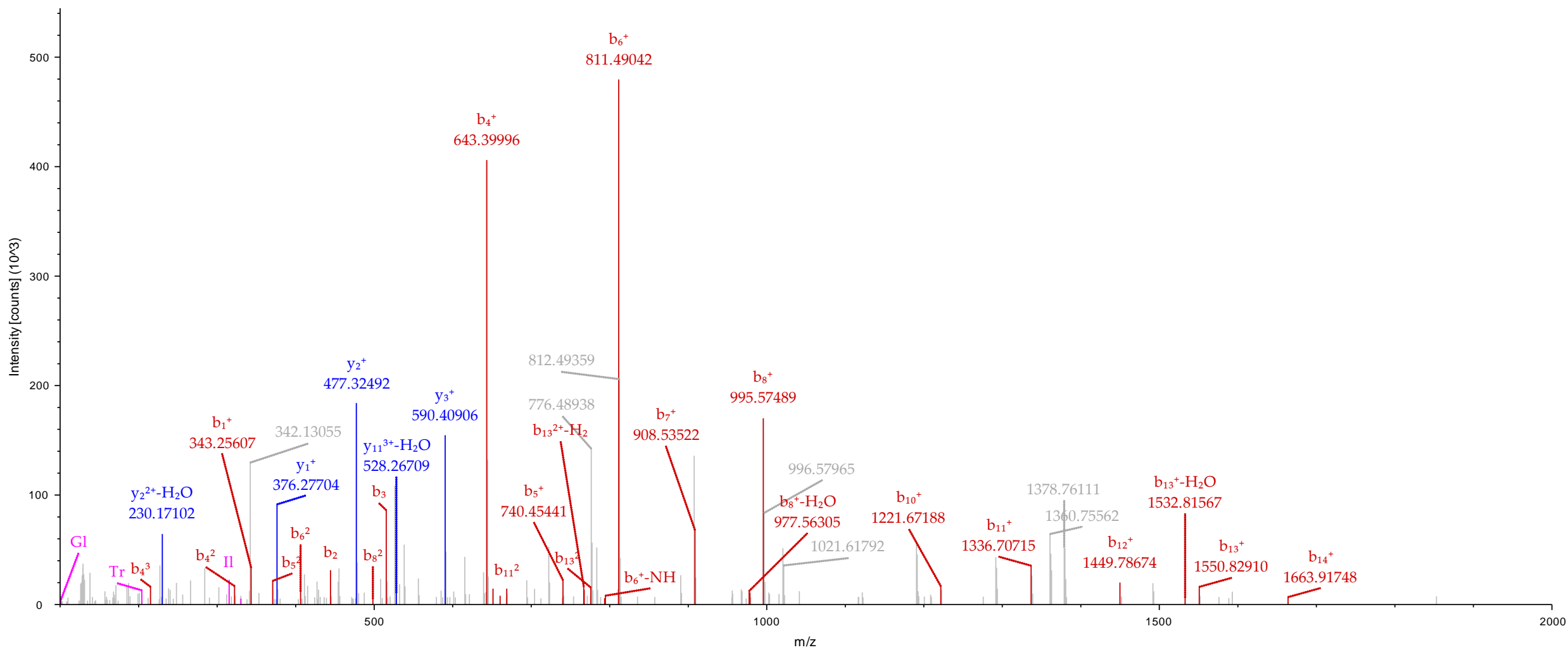
JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #101715 RT: 301.3420 min
 FTMS, 938.2454@hcd35.00, z=+4, Mono m/z=938.24536 Da, MH+=3749.95962 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	315.25936	343.25427	172.13077	115.08961	L-TMT6plex				24
2	74.06004	444.30195	222.65461	148.77217	T	2808.39970	1404.70349	936.80475	23
3	44.04948	515.33906	258.17317	172.45121	A	2707.35202	1354.17965	903.12219	22
4	101.07094	643.39764	322.20246	215.13740	Q	2636.31491	1318.66109	879.44315	21
5	70.06513	740.45041	370.72884	247.48832	P	2508.25633	1254.63180	836.75696	20
6	44.04948	811.48752	406.24740	271.16736	A	2411.20356	1206.10542	804.40604	19
7	70.06513	908.54028	454.77378	303.51828	P	2340.16645	1170.58686	780.72700	18
8	60.04439	995.57231	498.28979	332.52896	S	2243.11369	1122.06048	748.37608	17
9	70.06513	1092.62508	546.81618	364.87988	P	2156.08166	1078.54447	719.36540	16
10	102.05496	1221.66767	611.33747	407.89407	E	2059.02889	1030.01809	687.01448	15
11	88.03930	1336.69461	668.85094	446.23639	D	1929.98630	965.49679	644.00029	14
12	86.09643	1449.77868	725.39298	483.93108	L	1814.95936	907.98332	605.65797	13
13	74.06004	1550.82635	775.91682	517.61364	T	1701.87530	851.44129	567.96328	12
14	86.09643	1663.91042	832.45885	555.30832	L	1600.82762	800.91745	534.28072	11
15	60.04439	1750.94245	875.97486	584.31900	S	1487.74355	744.37541	496.58604	10
16	104.05285	1881.98293	941.49510	627.99916	M	1400.71152	700.85940	467.57536	9
17	60.04439	1969.01496	985.01112	657.00984	S	1269.67104	635.33916	423.89520	8
18	74.06004	2070.06264	1035.53496	690.69240	T	1182.63901	591.82314	394.88452	7
19	86.09643	2183.14670	1092.07699	728.38708	I	1081.59133	541.29930	361.20196	6
20	120.04776	2330.18210	1165.59469	777.39888	M-Oxidation	968.50727	484.75727	323.50727	5
21	204.07675	2561.24649	1281.12688	854.42035	W-Nitro	821.47187	411.23957	274.49547	4
22	86.09643	2674.33056	1337.66892	892.11504	L-TMT6plex	590.40748	295.70738	197.47401	3
23	74.06004	2775.37823	1388.19276	925.79760	T	477.32341	239.16535	159.77932	2
24	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #76907 RT: 242.9362 min
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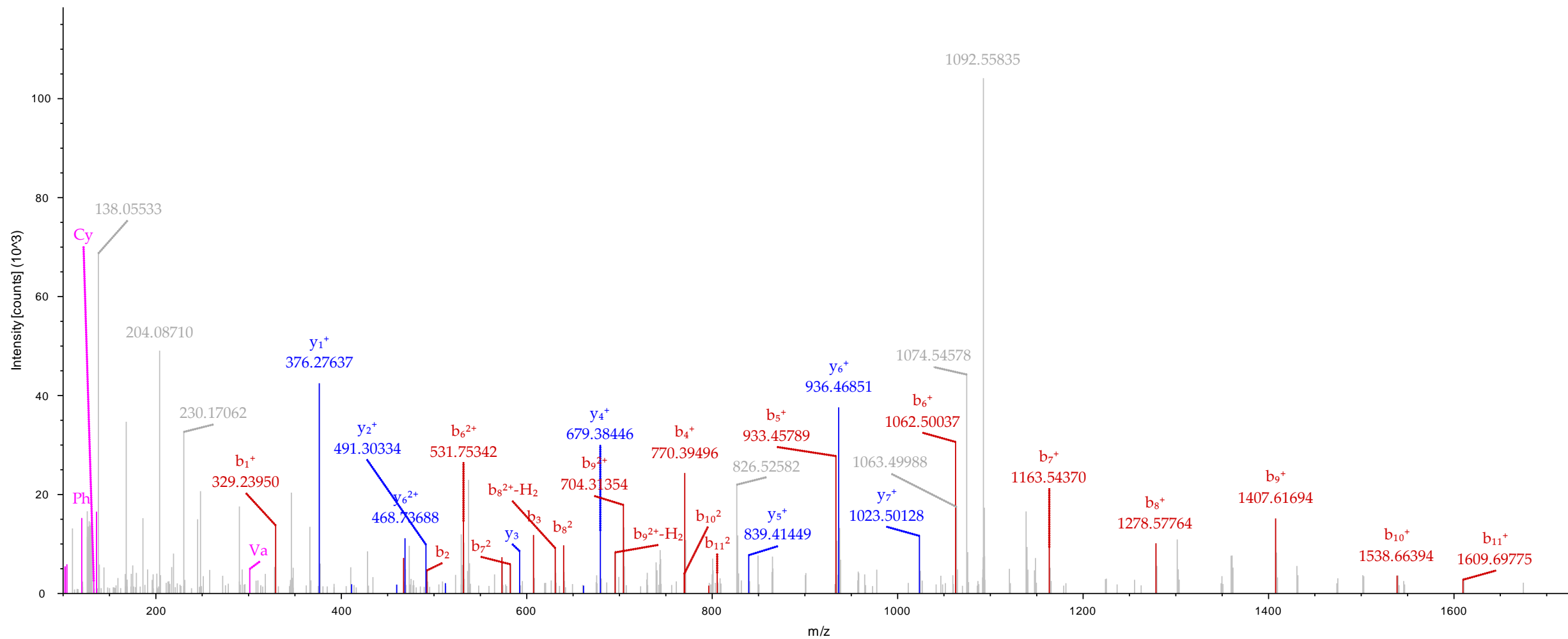


— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	301.24371	329.23862	165.12295	110.41773	83.06511	66.65355	V-TMT6plex						18
2	87.05529	443.28155	222.14441	148.43203	111.57584	89.46213	N	2574.01690	1287.51209	858.67715	644.25968	515.60920	17
3	110.07127	580.34046	290.67387	194.11834	145.84057	116.87391	H	2459.97398	1230.49063	820.66284	615.74895	492.80062	16
4	330.27026	937.59836	469.30282	313.20430	235.15505	188.32549	K-TMT6plex	2322.91506	1161.96117	774.97654	581.48422	465.38883	15
5	102.05496	1066.64095	533.82411	356.21850	267.41569	214.13401	E	1965.65717	983.33222	655.89057	492.16975	393.93726	14
6	102.05496	1195.68354	598.34541	399.23270	299.67634	239.94253	E	1836.61458	918.81093	612.87638	459.90910	368.12874	13
7	88.03930	1310.71049	655.85888	437.57501	328.43308	262.94792	D	1707.57198	854.28963	569.86218	427.64845	342.32022	12
8	60.04439	1397.74251	699.37490	466.58569	350.19109	280.35432	S	1592.54504	796.77616	531.51986	398.89172	319.31483	11
9	133.04301	1557.77316	779.39022	519.92924	390.19875	312.36045	C-Carbamidomethyl	1505.51301	753.26014	502.50919	377.13371	301.90842	10
10	60.04439	1644.80519	822.90623	548.93991	411.95676	329.76686	S	1345.48236	673.24482	449.16564	337.12605	269.90229	9
11	136.07569	1807.86852	904.43790	603.29436	452.72259	362.37953	Y	1258.45034	629.72881	420.15496	315.36804	252.49589	8
12	120.08078	1954.93693	977.97210	652.31716	489.48969	391.79321	F	1095.38701	548.19714	365.80052	274.60221	219.88322	7
13	181.06077	2162.98534	1081.99631	721.66663	541.50179	433.40289	Y-Nitro	948.31859	474.66293	316.77772	237.83511	190.46954	6
14	133.04301	2323.01599	1162.01163	775.01018	581.50945	465.40902	C-Carbamidomethyl	740.27019	370.63873	247.42825	185.82300	148.85986	5
15	120.04776	2470.05139	1235.52933	824.02198	618.26830	494.81610	M-Oxidation	580.23954	290.62341	194.08470	145.81534	116.85373	4
16	102.05496	2599.09398	1300.05063	867.03618	650.52895	520.62462	E	433.20414	217.10571	145.07290	109.05649	87.44665	3
17	102.05496	2728.13657	1364.57193	910.05038	682.78960	546.43314	E	304.16155	152.58441	102.05870	76.79584	61.63813	2
18	129.11347						R	175.11895	88.06311	59.04450	44.53520	35.82961	1

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	301.24371	329.23862	165.12295	110.41773	V-TMT6plex				23
2	136.07569	492.30195	246.65461	164.77217	Y	2946.18072	1473.59400	982.73176	22
3	88.03930	607.32889	304.16809	203.11448	D	2783.11739	1392.06233	928.37731	21
4	136.07569	770.39222	385.69975	257.46893	Y	2668.09044	1334.54886	890.03500	20
5	136.07569	933.45555	467.23141	311.82337	Y	2505.02712	1253.01720	835.68056	19
6	102.05496	1062.49814	531.75271	354.83757	E	2341.96379	1171.48553	781.32611	18
7	74.06004	1163.54582	582.27655	388.52013	T	2212.92119	1106.96424	738.31192	17
8	88.03930	1278.57277	639.79002	426.86244	D	2111.87352	1056.44040	704.62936	16
9	102.05496	1407.61536	704.31132	469.87664	E	1996.84657	998.92692	666.28704	15
10	104.05285	1538.65584	769.83156	513.55680	M	1867.80398	934.40563	623.27284	14
11	44.04948	1609.69296	805.35012	537.23584	A	1736.76350	868.88539	579.59268	13
12	120.08078	1756.76137	878.88432	586.25864	F	1665.72638	833.36683	555.91365	12
13	44.04948	1827.79848	914.40288	609.93768	A	1518.65797	759.83262	506.89084	11
14	102.05496	1956.84108	978.92418	652.95188	E	1447.62085	724.31407	483.21180	10
15	181.06077	2164.88948	1082.94838	722.30135	Y-Nitro	1318.57826	659.79277	440.19760	9
16	60.04439	2251.92151	1126.46439	751.31202	S	1110.52985	555.76857	370.84814	8
17	60.04439	2338.95354	1169.98041	780.32270	S	1023.49783	512.25255	341.83746	7
18	70.06513	2436.00630	1218.50679	812.67362	P	936.46580	468.73654	312.82678	6
19	133.04301	2596.03695	1298.52211	866.01717	C-Carbamidomethyl	839.41303	420.21016	280.47586	5
20	60.04439	2683.06898	1342.03813	895.02784	S	679.38239	340.19483	227.13231	4
21	74.06004	2784.11666	1392.56197	928.71040	T	592.35036	296.67882	198.12164	3
22	88.03930	2899.14360	1450.07544	967.05272	D	491.30268	246.15498	164.43908	2
23	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

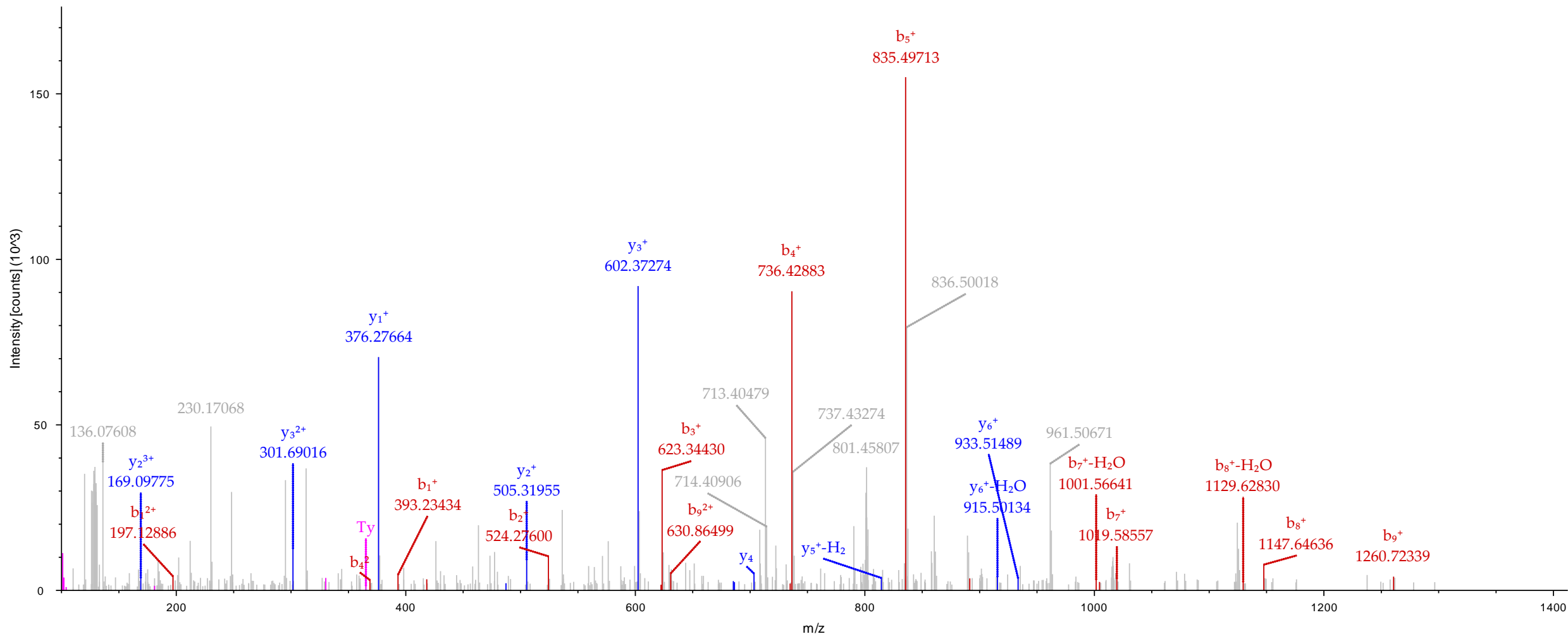
JM_NDplasmaBVM_TMT_NoFrac.raw #112108 RT: 306.8298 min
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— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	365.23862	393.23354	197.12041	131.74936	Y-TMT6plex				16
2	104.05285	524.27402	262.64065	175.42952	M	2009.04626	1005.02677	670.35360	15
3	72.08078	623.34244	312.17486	208.45233	V	1878.00577	939.50653	626.67344	14
4	86.09643	736.42650	368.71689	246.14702	L	1778.93736	889.97232	593.65064	13
5	72.08078	835.49491	418.25109	279.16982	V	1665.85330	833.43029	555.95595	12
6	70.06513	932.54768	466.77748	311.52074	P	1566.78488	783.89608	522.93315	11
7	60.04439	1019.57971	510.29349	340.53142	S	1469.73212	735.36970	490.58222	10
8	101.07094	1147.63828	574.32278	383.21761	Q	1382.70009	691.85368	461.57155	9
9	86.09643	1260.72235	630.86481	420.91230	L	1254.64151	627.82439	418.88536	8
10	181.06077	1468.77075	734.88901	490.26177	Y-Nitro	1141.55745	571.28236	381.19067	7
11	74.06004	1569.81843	785.41285	523.94433	T	933.50904	467.25816	311.84120	6
12	102.05496	1698.86102	849.93415	566.95853	E	832.46136	416.73432	278.15864	5
13	74.06004	1799.90870	900.45799	600.64109	T	703.41877	352.21302	235.14444	4
14	70.06513	1896.96147	948.98437	632.99201	P	602.37109	301.68918	201.46188	3
15	102.05496	2026.00406	1013.50567	676.00620	E	505.31833	253.16280	169.11096	2
16	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

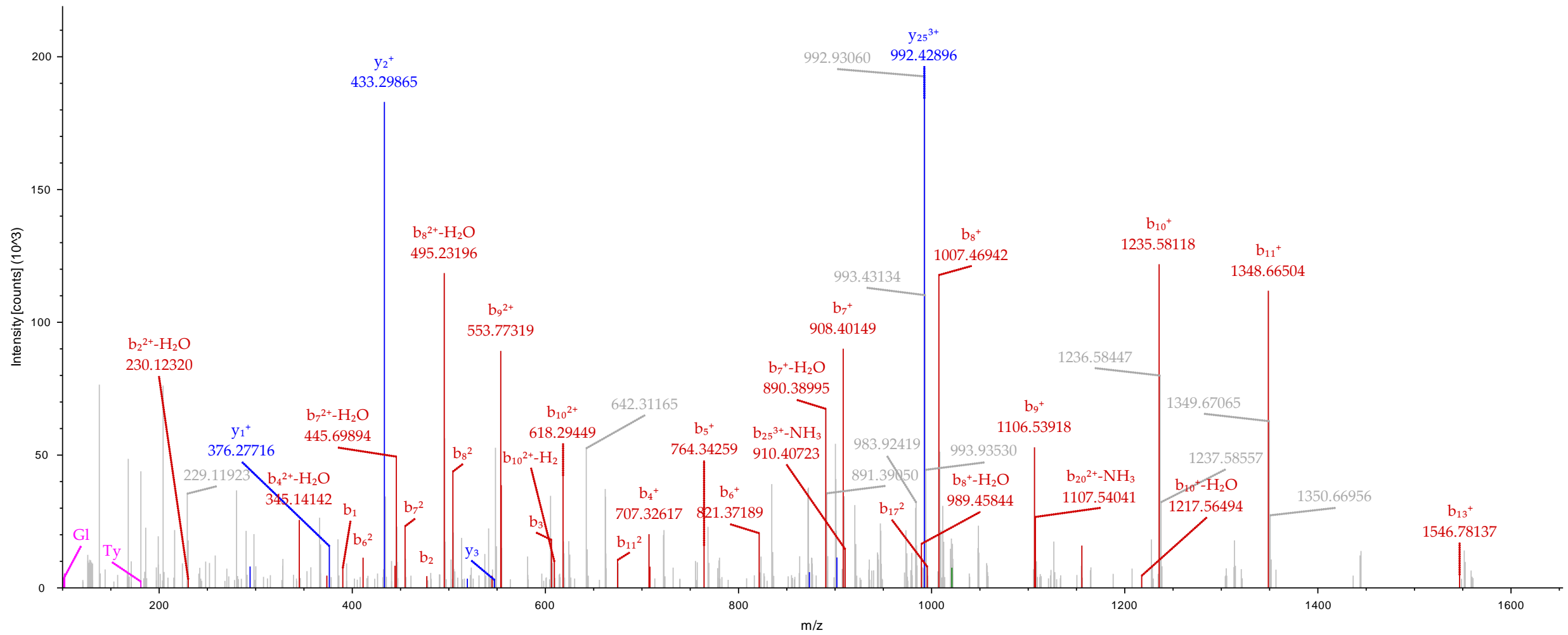
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 FTMS, 801.4456@hcd35.00, z=+3, Mono m/z=801.44556 Da, MH+=2402.32212 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	362.20594	390.20086	195.60407	130.73847	98.30567	C-TMT6plex-Carbamidomethyl					34
2	60.04439	477.23289	239.12008	159.74915	120.06368	S	3691.60607	1846.30668	1231.20688	923.65698	33
3	102.05496	606.27548	303.64138	202.76334	152.32433	E	3604.57405	1802.79066	1202.19620	901.89897	32
4	74.06004	707.32316	354.16522	236.44590	177.58625	T	3475.53145	1738.26936	1159.18200	869.63832	31
5	30.03383	764.34462	382.67595	255.45306	191.84161	G	3374.48377	1687.74553	1125.49944	844.37640	30
6	30.03383	821.36608	411.18668	274.46021	206.09698	G	3317.46231	1659.23479	1106.49229	830.12104	29
7	60.04439	908.39811	454.70269	303.47089	227.85499	S	3260.44085	1630.72406	1087.48513	815.86567	28
8	72.08078	1007.46653	504.23690	336.49369	252.62209	V	3173.40882	1587.20805	1058.47446	794.10766	27
9	72.08078	1106.53494	553.77111	369.51650	277.38919	V	3074.34040	1537.67384	1025.45165	769.34056	26
10	102.05496	1235.57753	618.29240	412.53070	309.64984	E	2975.27199	1488.13963	992.42885	744.57346	25
11	86.09643	1348.66160	674.83444	450.22538	337.92086	L	2846.22940	1423.61834	949.41465	712.31281	24
12	70.06513	1445.71436	723.36082	482.57630	362.18405	P	2733.14533	1367.07631	911.71996	684.04179	23
13	74.06004	1546.76204	773.88466	516.25886	387.44597	T	2636.09257	1318.54992	879.36904	659.77860	22
14	72.08078	1645.83045	823.41886	549.28167	412.21307	V	2535.04489	1268.02608	845.68648	634.51668	21
15	60.04439	1732.86248	866.93488	578.29234	433.97108	S	2435.97648	1218.49188	812.66368	609.74958	20
16	101.07094	1860.92106	930.96417	620.97854	465.98572	Q	2348.94445	1174.97586	783.65300	587.99157	19
17	102.05496	1989.96365	995.48546	663.99274	498.24637	E	2220.88587	1110.94657	740.96681	555.97693	18
18	70.06513	2087.01642	1044.01185	696.34366	522.50956	P	2091.84328	1046.42528	697.95261	523.71628	17
19	60.04439	2174.04844	1087.52786	725.35433	544.26757	S	1994.79052	997.89890	665.60169	499.45309	16
20	30.03383	2231.06991	1116.03859	744.36149	558.52293	G	1907.75849	954.38288	636.59101	477.69508	15
21	70.06513	2328.12267	1164.56497	776.71241	582.78613	P	1850.73702	925.87215	617.58386	463.43971	14
22	60.04439	2415.15470	1208.08099	805.72308	604.54413	S	1753.68426	877.34577	585.23294	439.17652	13
23	88.03930	2530.18164	1265.59446	844.06540	633.30087	D	1666.65223	833.82975	556.22226	417.41852	12
24	60.04439	2617.21367	1309.11047	873.07607	655.05888	S	1551.62529	776.31628	517.87995	388.66178	11
25	102.05496	2746.25626	1373.63177	916.09027	687.31952	E	1464.59326	732.80027	488.86927	366.90377	10
26	74.06004	2847.30394	1424.15561	949.77283	712.58144	T	1335.55067	668.27897	445.85507	334.64312	9
27	88.03930	2962.33089	1481.66908	988.11515	741.33818	D	1234.50299	617.75513	412.17251	309.38120	8
28	133.04301	3122.36153	1561.68441	1041.45870	781.34584	C-Carbamidomethyl	1119.47605	560.24166	373.83020	280.62447	7
29	120.04776	3269.39693	1635.20211	1090.47050	818.10469	M-Oxidation	959.44540	480.22634	320.48665	240.61681	6
30	181.06077	3477.44534	1739.22631	1159.81996	870.11679	Y-Nitro	812.41000	406.70864	271.47485	203.85796	5
31	30.03383	3534.46680	1767.73704	1178.82712	884.37216	G	604.36159	302.68443	202.12538	151.84586	4
32	87.05529	3648.50973	1824.75850	1216.84143	912.88289	N	547.34013	274.17370	183.11823	137.59049	3
33	30.03383	3705.53120	1853.26924	1235.84858	927.13826	G	433.29720	217.15224	145.10392	109.07976	2
34	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

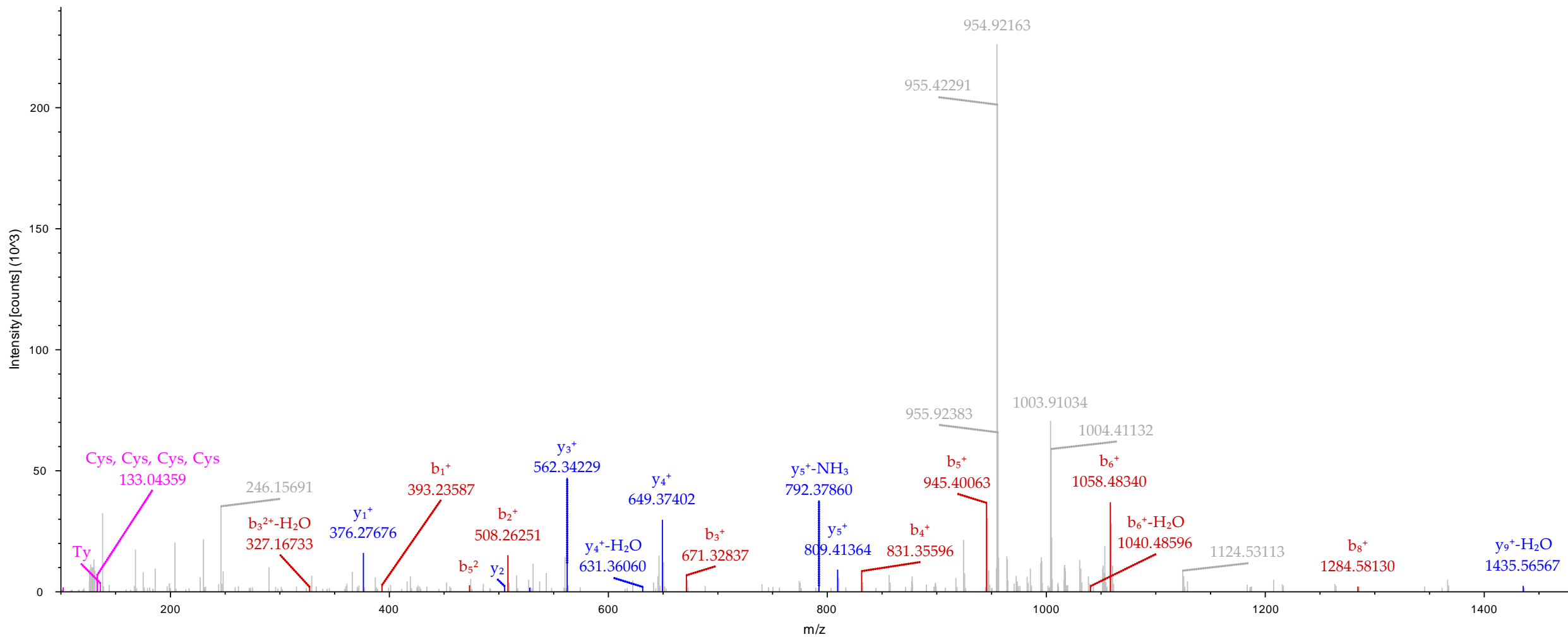
JM_NDplasmaBVM_TMT_Fr2.raw #59854 RT: 197.7487 min
FTMS, 1020.7135@hcd35.00, z=+4, Mono m/z=1020.21271 Da, MH+=4077.82900 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	365.23862	393.23354	197.12041	131.74936	Y-TMT6plex				20
2	88.03930	508.26048	254.63388	170.09168	D	2763.01862	1382.01295	921.67772	19
3	136.07569	671.32381	336.16554	224.44612	Y	2647.99168	1324.49948	883.33541	18
4	133.04301	831.35446	416.18087	277.78967	C-Carbamidomethyl	2484.92835	1242.96781	828.98097	17
5	87.05529	945.39738	473.20233	315.80398	N	2324.89770	1162.95249	775.63742	16
6	86.09643	1058.48145	529.74436	353.49867	I	2210.85477	1105.93102	737.62311	15
7	70.06513	1155.53421	578.27074	385.84959	P	2097.77071	1049.38899	699.92842	14
8	102.05496	1284.57681	642.79204	428.86379	E	2000.71794	1000.86261	667.57750	13
9	133.04301	1444.60745	722.80737	482.20734	C-Carbamidomethyl	1871.67535	936.34131	624.56330	12
10	102.05496	1573.65005	787.32866	525.22153	E	1711.64470	856.32599	571.21975	11
11	102.05496	1702.69264	851.84996	568.23573	E	1582.60211	791.80469	528.20555	10
12	102.05496	1831.73523	916.37125	611.24993	E	1453.55952	727.28340	485.19136	9
13	133.04301	1991.76588	996.38658	664.59348	C-Carbamidomethyl	1324.51692	662.76210	442.17716	8
14	120.04776	2138.80128	1069.90428	713.60528	M-Oxidation	1164.48628	582.74678	388.83361	7
15	181.06077	2346.84969	1173.92848	782.95475	Y-Nitro	1017.45088	509.22908	339.82181	6
16	133.04301	2506.88034	1253.94381	836.29830	C-Carbamidomethyl	809.40247	405.20487	270.47234	5
17	60.04439	2593.91236	1297.45982	865.30897	S	649.37182	325.18955	217.12879	4
18	30.03383	2650.93383	1325.97055	884.31613	G	562.33979	281.67353	188.11812	3
19	102.05496	2779.97642	1390.49185	927.33032	E	505.31833	253.16280	169.11096	2
20	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

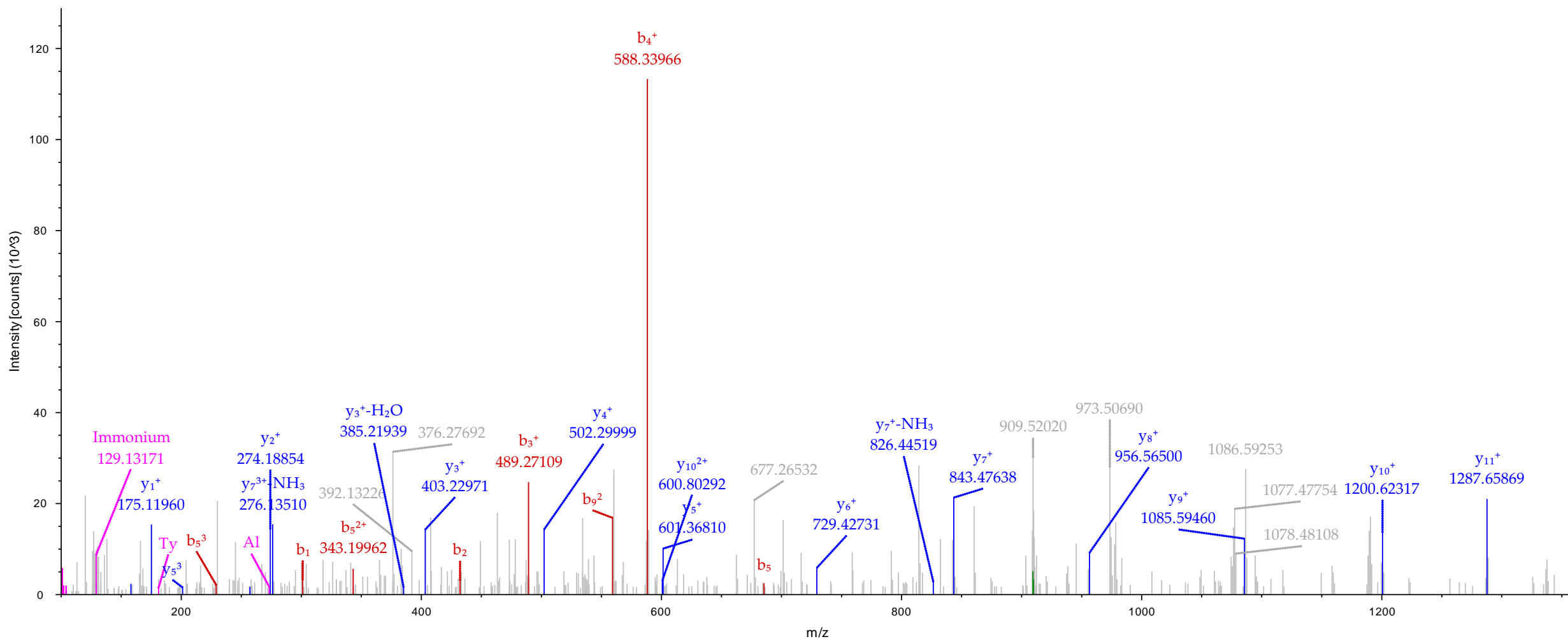
JM_NDplasmaBVM_TMT_Fr2.raw #60406 RT: 199.0151 min
FTMS, 1052.4305@hcd35.00, z=+3, Mono m/z=1052.43054 Da, MH+=3155.27707 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	273.21241	301.20732	151.10730	101.07396	A-TMT6plex				22
2	104.05285	432.24781	216.62754	144.75412	M	2427.09889	1214.05308	809.70448	21
3	30.03383	489.26927	245.13827	163.76127	G	2296.05841	1148.53284	766.02432	20
4	72.08078	588.33768	294.67248	196.78408	V	2239.03694	1120.02211	747.01717	19
5	70.06513	685.39045	343.19886	229.13500	P	2139.96853	1070.48790	713.99436	18
6	104.05285	816.43093	408.71910	272.81516	M	2042.91577	1021.96152	681.64344	17
7	104.05285	947.47142	474.23935	316.49532	M	1911.87528	956.44128	637.96328	16
8	30.03383	1004.49288	502.75008	335.50248	G	1780.83480	890.92104	594.28312	15
9	86.09643	1117.57695	559.29211	373.19717	L	1723.81333	862.41030	575.27596	14
10	88.03930	1232.60389	616.80558	411.53948	D	1610.72927	805.86827	537.58127	13
11	181.06077	1440.65229	720.82979	480.88895	Y-Nitro	1495.70233	748.35480	499.23896	12
12	60.04439	1527.68432	764.34580	509.89963	S	1287.65392	644.33060	429.88949	11
13	88.03930	1642.71127	821.85927	548.24194	D	1200.62189	600.81458	400.87881	10
14	102.05496	1771.75386	886.38057	591.25614	E	1085.59495	543.30111	362.53650	9
15	86.09643	1884.83792	942.92260	628.95083	I	956.55236	478.77982	319.52230	8
16	87.05529	1998.88085	999.94406	666.96513	N	843.46829	422.23778	281.82761	7
17	101.07094	2126.93943	1063.97335	709.65133	Q	729.42536	365.21632	243.81331	6
18	72.08078	2226.00784	1113.50756	742.67413	V	601.36679	301.18703	201.12711	5
19	72.08078	2325.07626	1163.04177	775.69694	V	502.29837	251.65282	168.10431	4
20	102.05496	2454.11885	1227.56306	818.71113	E	403.22996	202.11862	135.08150	3
21	72.08078	2553.18726	1277.09727	851.73394	V	274.18737	137.59732	92.06731	2
22	129.11347				R	175.11895	88.06311	59.04450	1

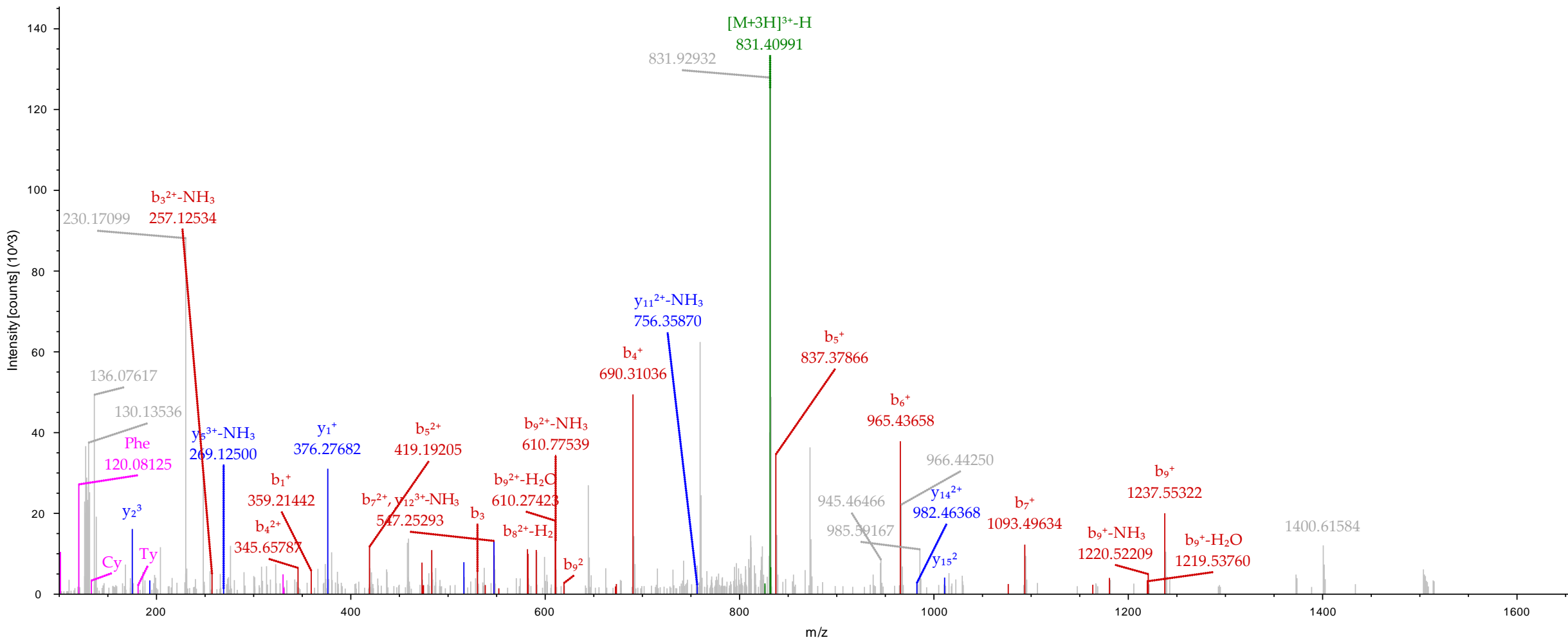
JM_NDplasmaBVM_TMT_Fr2.raw #88198 RT: 263.4127 min
FTMS, 910.1421 @hcd35.00, z=+3, Mono m/z=910.14209 Da, MH+=2728.41172 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	331.21789	359.21280	180.11004	120.40912	E-TMT6plex				17
2	87.05529	473.25573	237.13150	158.42343	N	2134.98474	1067.99601	712.33310	16
3	30.03383	530.27719	265.64223	177.43058	G	2020.94181	1010.97454	674.31879	15
4	133.04301	690.30784	345.65756	230.77413	C-Carbamidomethyl	1963.92035	982.46381	655.31163	14
5	120.08078	837.37626	419.19177	279.79694	F	1803.88970	902.44849	601.96808	13
6	101.07094	965.43483	483.22105	322.48313	Q	1656.82129	828.91428	552.94528	12
7	101.07094	1093.49341	547.25034	365.16932	Q	1528.76271	764.88499	510.25909	11
8	60.04439	1180.52544	590.76636	394.18000	S	1400.70413	700.85570	467.57289	10
9	30.03383	1237.54690	619.27709	413.18715	G	1313.67210	657.33969	438.56222	9
10	181.06077	1445.59531	723.30129	482.53662	Y-Nitro	1256.65064	628.82896	419.55506	8
11	86.09643	1558.67937	779.84332	520.23131	L	1048.60223	524.80475	350.20560	7
12	86.09643	1671.76344	836.38536	557.92600	L	935.51817	468.26272	312.51091	6
13	87.05529	1785.80636	893.40682	595.94031	N	822.43410	411.72069	274.81622	5
14	87.05529	1899.84929	950.42828	633.95461	N	708.39118	354.69923	236.80191	4
15	44.04948	1970.88640	985.94684	657.63365	A	594.34825	297.67776	198.78760	3
16	120.04776	2117.92180	1059.46454	706.64545	M-Oxidation	523.31114	262.15921	175.10856	2
17	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

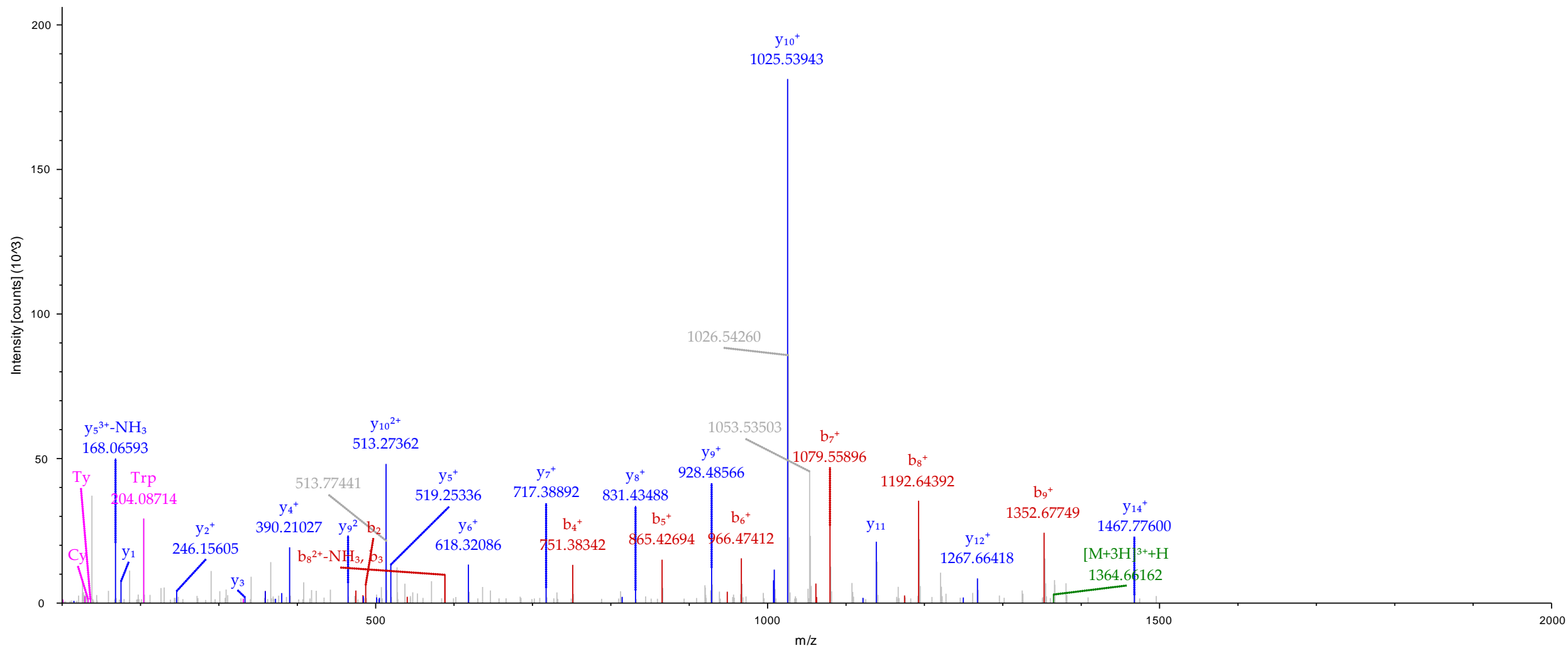
JM_NDplasmaBVM_TMT_Fr1.raw #40218 RT: 154.5380 min
 FTMS, 831.4103@hcd35.00, z=+3, Mono m/z=831.41034 Da, MH+=2492.21646 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— Immonium
— y, y-H₂O, y-NH₃
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	331.21789	359.21280	180.11004	120.40912	E-TMT6plex				33
2	101.07094	487.27138	244.13933	163.09531	Q	3732.74461	1866.87594	1244.91972	32
3	74.06004	588.31906	294.66317	196.77787	T	3604.68603	1802.84665	1202.23353	31
4	136.07569	751.38239	376.19483	251.13231	Y	3503.63835	1752.32281	1168.55097	30
5	87.05529	865.42531	433.21629	289.14662	N	3340.57502	1670.79115	1114.19653	29
6	74.06004	966.47299	483.74013	322.82918	T	3226.53210	1613.76969	1076.18222	28
7	86.09643	1079.55706	540.28217	360.52387	L	3125.48442	1563.24585	1042.49966	27
8	86.09643	1192.64112	596.82420	398.21856	L	3012.40035	1506.70382	1004.80497	26
9	133.04301	1352.67177	676.83952	451.56211	C-Carbamidomethyl	2899.31629	1450.16178	967.11028	25
10	70.06513	1449.72453	725.36590	483.91303	P	2739.28564	1370.14646	913.76673	24
11	101.07094	1577.78311	789.39519	526.59922	Q	2642.23288	1321.62008	881.41581	23
12	88.03930	1692.81005	846.90866	564.94154	D	2514.17430	1257.59079	838.72962	22
13	74.06004	1793.85773	897.43250	598.62409	T	2399.14736	1200.07732	800.38730	21
14	102.05496	1922.90032	961.95380	641.63829	E	2298.09968	1149.55348	766.70474	20
15	86.09643	2035.98439	1018.49583	679.33298	L	2169.05709	1085.03218	723.69055	19
16	101.07094	2164.04297	1082.52512	722.01917	Q	2055.97302	1028.49015	685.99586	18
17	88.03930	2279.06991	1140.03859	760.36149	D	1927.91444	964.46086	643.30967	17
18	87.05529	2393.11284	1197.06006	798.37580	N	1812.88750	906.94739	604.96735	16
19	204.07675	2624.17723	1312.59225	875.39726	W-Nitro	1698.84457	849.92593	566.95304	15
20	60.04439	2711.20925	1356.10827	904.40794	S	1467.78018	734.39373	489.93158	14
21	86.09643	2824.29332	1412.65030	942.10262	L	1380.74815	690.87772	460.92090	13
22	102.05496	2953.33591	1477.17159	985.11682	E	1267.66409	634.33568	423.22621	12
23	86.09643	3066.41998	1533.71363	1022.81151	L	1138.62150	569.81439	380.21202	11
24	70.06513	3163.47274	1582.24001	1055.16243	P	1025.53743	513.27236	342.51733	10
25	70.06513	3260.52550	1630.76639	1087.51335	P	928.48467	464.74597	310.16641	9
26	87.05529	3374.56843	1687.78785	1125.52766	N	831.43191	416.21959	277.81549	8
27	72.08078	3473.63684	1737.32206	1158.55047	V	717.38898	359.19813	239.80118	7
28	72.08078	3572.70526	1786.85627	1191.57327	V	618.32056	309.66392	206.77837	6
29	102.05496	3701.74785	1851.37756	1234.58747	E	519.25215	260.12971	173.75557	5
30	30.03383	3758.76931	1879.88830	1253.59462	G	390.20956	195.60842	130.74137	4
31	60.04439	3845.80134	1923.40431	1282.60530	S	333.18809	167.09769	111.73422	3
32	44.04948	3916.83846	1958.92287	1306.28434	A	246.15607	123.58167	82.72354	2
33	129.11347				R	175.11895	88.06311	59.04450	1

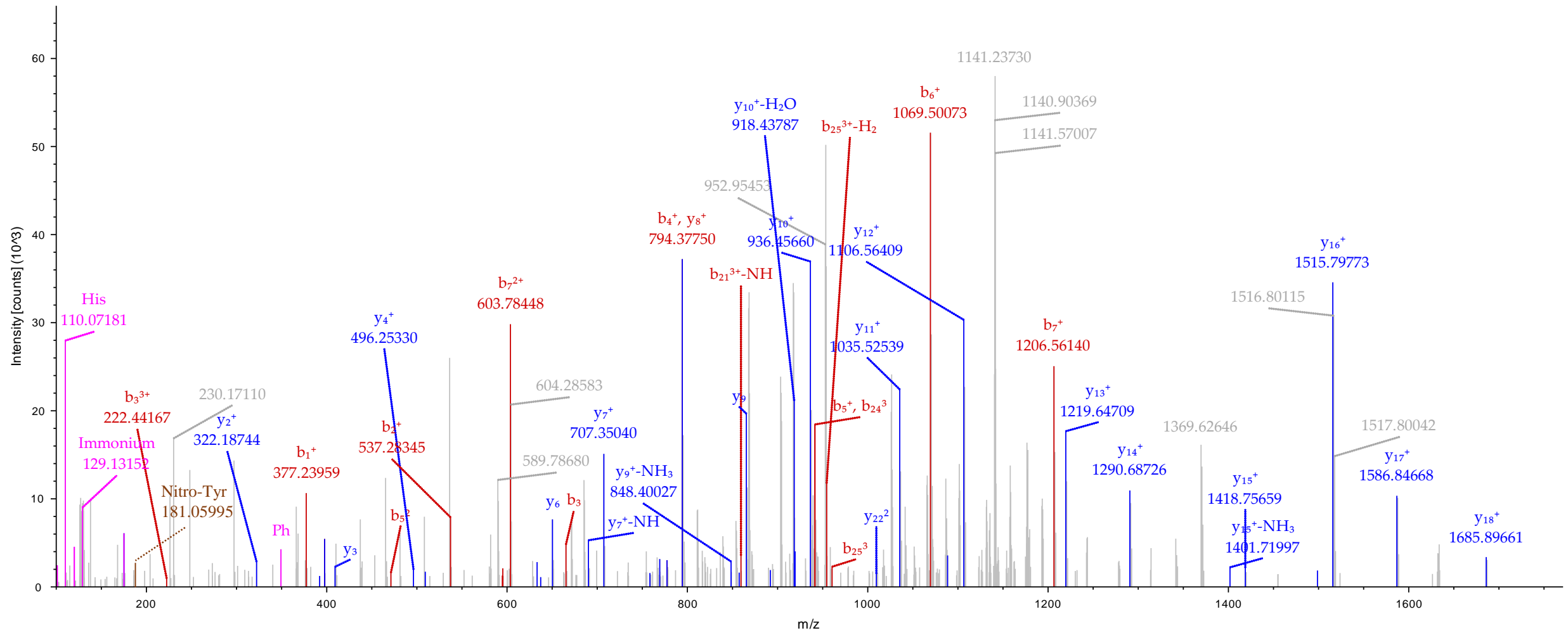
JM_NDplasmaBVM_TMT_NoFrac.raw #133912 RT: 357.4438 min
 FTMS, 1364.6685@hcd35.00, z=+3, Mono m/z=1364.32666 Da, MH+=4090.96543 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	349.24371	377.23862	189.12295	126.41773	F-TMT6plex				31
2	133.04301	537.26927	269.13827	179.76127	Carbamidomet	3152.43128	1576.71928	1051.48194	30
3	101.07094	665.32785	333.16756	222.44747	Q	2992.40063	1496.70395	998.13839	29
4	102.05496	794.37044	397.68886	265.46166	E	2864.34205	1432.67466	955.45220	28
5	120.08078	941.43886	471.22307	314.48447	F	2735.29946	1368.15337	912.43800	27
6	101.07094	1069.49743	535.25235	357.17066	Q	2588.23104	1294.61916	863.41520	26
7	110.07127	1206.55634	603.78181	402.85697	H	2460.17247	1230.58987	820.72901	25
8	181.06077	1414.60475	707.80601	472.20643	Y-Nitro	2323.11356	1162.06042	775.04270	24
9	70.06513	1511.65751	756.33240	504.55736	P	2115.06515	1058.03621	705.69323	23
10	44.04948	1582.69463	791.85095	528.23639	A	2018.01238	1009.50983	673.34231	22
11	120.04776	1729.73003	865.36865	577.24819	M-Oxidation	1946.97527	973.99127	649.66327	21
12	30.03383	1786.75149	893.87938	596.25535	G	1799.93987	900.47357	600.65147	20
13	30.03383	1843.77296	922.39012	615.26250	G	1742.91841	871.96284	581.64432	19
14	72.08078	1942.84137	971.92432	648.28531	V	1685.89694	843.45211	562.63717	18
15	44.04948	2013.87848	1007.44288	671.96435	A	1586.82853	793.91790	529.61436	17
16	70.06513	2110.93125	1055.96926	704.31527	P	1515.79142	758.39935	505.93532	16
17	101.07094	2238.98982	1119.99855	747.00146	Q	1418.73865	709.87296	473.58440	15
18	44.04948	2310.02694	1155.51711	770.68050	A	1290.68008	645.84368	430.89821	14
19	86.09643	2423.11100	1212.05914	808.37519	L	1219.64296	610.32512	407.21917	13
20	44.04948	2494.14812	1247.57770	832.05422	A	1106.55890	553.78309	369.52448	12
21	72.08078	2593.21653	1297.11190	865.07703	V	1035.52178	518.26453	345.84545	11
22	44.04948	2664.25364	1332.63046	888.75607	A	936.45337	468.73032	312.82264	10
23	44.04948	2735.29076	1368.14902	912.43510	A	865.41626	433.21177	289.14360	9
24	60.04439	2822.32279	1411.66503	941.44578	S	794.37914	397.69321	265.46457	8
25	30.03383	2879.34425	1440.17576	960.45293	G	707.34711	354.17720	236.45389	7
26	70.06513	2976.39701	1488.70214	992.80386	P	650.32565	325.66646	217.44673	6
27	30.03383	3033.41848	1517.21288	1011.81101	G	553.27289	277.14008	185.09581	5
28	60.04439	3120.45051	1560.72889	1040.82169	S	496.25142	248.62935	166.08866	4
29	60.04439	3207.48253	1604.24491	1069.83236	S	409.21939	205.11334	137.07798	3
30	120.08078	3354.55095	1677.77911	1118.85517	F	322.18737	161.59732	108.06731	2
31	129.11347				R	175.11895	88.06311	59.04450	1

Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum



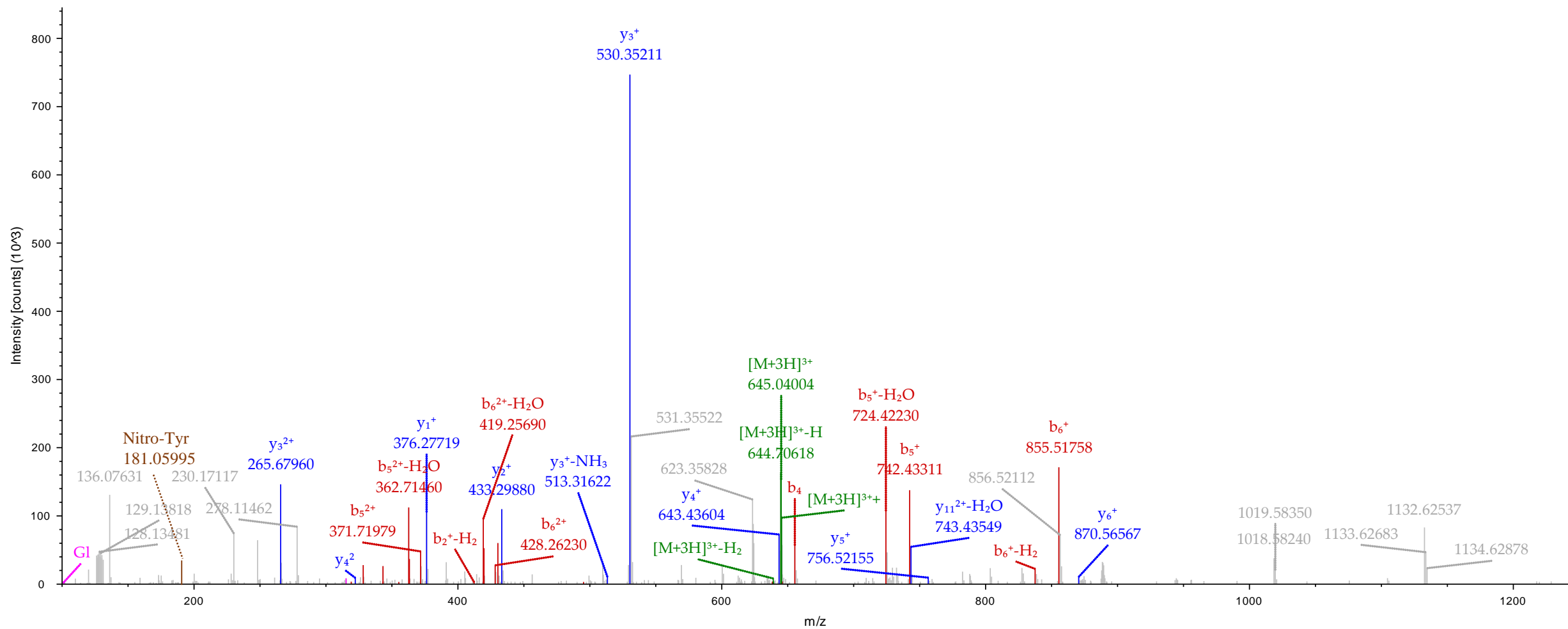
- Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
- Immonium
- y, y-H₂O, y-NH₃
- b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	259.19676	287.19167	144.09947	96.40208	72.55338	G-TMT6plex					30
2	30.03383	344.21314	172.61021	115.40923	86.80874	G	3171.62421	1586.31574	1057.87959	793.66151	29
3	72.08078	443.28155	222.14441	148.43203	111.57584	V	3114.60274	1557.80501	1038.87243	779.40614	28
4	88.03930	558.30849	279.65788	186.77435	140.33258	D	3015.53433	1508.27080	1005.84963	754.63904	27
5	88.03930	673.33544	337.17136	225.11666	169.08932	D	2900.50739	1450.75733	967.50731	725.88230	26
6	102.05496	802.37803	401.69265	268.13086	201.34996	E	2785.48044	1393.24386	929.16500	697.12557	25
7	72.08078	901.44644	451.22686	301.15367	226.11707	V	2656.43785	1328.72256	886.15080	664.86492	24
8	74.06004	1002.49412	501.75070	334.83622	251.37899	T	2557.36944	1279.18836	853.12800	640.09782	23
9	86.09643	1115.57819	558.29273	372.53091	279.65000	L	2456.32176	1228.66452	819.44544	614.83590	22
10	60.04439	1202.61021	601.80874	401.54159	301.40801	S	2343.23769	1172.12248	781.75075	586.56488	21
11	44.04948	1273.64733	637.32730	425.22063	319.16729	A	2256.20566	1128.60647	752.74007	564.80687	20
12	181.06077	1481.69573	741.35151	494.57010	371.17939	Y-Nitro	2185.16855	1093.08791	729.06103	547.04760	19
13	86.09643	1594.77980	797.89354	532.26478	399.45041	I	1977.12014	989.06371	659.71157	495.03549	18
14	74.06004	1695.82748	848.41738	565.94734	424.71233	T	1864.03608	932.52168	622.01688	466.76448	17
15	86.09643	1808.91154	904.95941	603.64203	452.98334	I	1762.98840	881.99784	588.33432	441.50256	16
16	44.04948	1879.94865	940.47797	627.32107	470.74262	A	1649.90434	825.45581	550.63963	413.23154	15
17	86.09643	1993.03272	997.02000	665.01576	499.01364	L	1578.86722	789.93725	526.96059	395.47226	14
18	86.09643	2106.11678	1053.56203	702.71044	527.28465	L	1465.78316	733.39522	489.26590	367.20125	13
19	102.05496	2235.15937	1118.08333	745.72464	559.54530	E	1352.69910	676.85319	451.57122	338.93023	12
20	120.04776	2382.19477	1191.60103	794.73644	596.30415	M-Oxidation	1223.65650	612.33189	408.55702	306.66958	11
21	70.06513	2479.24754	1240.12741	827.08736	620.56734	P	1076.62110	538.81419	359.54522	269.91073	10
22	86.09643	2592.33160	1296.66944	864.78205	648.83836	I	979.56834	490.28781	327.19430	245.64754	9
23	70.06513	2689.38437	1345.19582	897.13297	673.10155	P	866.48428	433.74578	289.49961	217.37653	8
24	72.08078	2788.45278	1394.73003	930.15578	697.86865	V	769.43151	385.21939	257.14869	193.11334	7
25	74.06004	2889.50046	1445.25387	963.83834	723.13057	T	670.36310	335.68519	224.12588	168.34623	6
26	110.07127	3026.55937	1513.78332	1009.52464	757.39530	H	569.31542	285.16135	190.44332	143.08431	5
27	60.04439	3113.59140	1557.29934	1038.53532	779.15331	S	432.25651	216.63189	144.75702	108.81958	4
28	44.04948	3184.62851	1592.81789	1062.21436	796.91259	A	345.22448	173.11588	115.74634	87.06158	3
29	72.08078	3283.69693	1642.35210	1095.23716	821.67969	V	274.18737	137.59732	92.06731	69.30230	2
30	129.11347					R	175.11895	88.06311	59.04450	44.53520	1

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	315.25936	343.25427	172.13077	115.08961	L-TMT6plex				13
2	60.04439	430.28630	215.64679	144.10028	S	1590.86889	795.93808	530.96115	12
3	70.06513	527.33906	264.17317	176.45121	P	1503.83686	752.42207	501.95047	11
4	101.07094	655.39764	328.20246	219.13740	Q	1406.78410	703.89569	469.59955	10
5	60.04439	742.42967	371.71847	248.14807	S	1278.72552	639.86640	426.91336	9
6	86.09643	855.51373	428.26051	285.84276	I	1191.69349	596.35038	397.90268	8
7	181.06077	1063.56214	532.28471	355.19223	Y-Nitro	1078.60943	539.80835	360.20799	7
8	87.05529	1177.60507	589.30617	393.20654	N	870.56102	435.78415	290.85852	6
9	86.09643	1290.68913	645.84820	430.90123	L	756.51809	378.76268	252.84421	5
10	86.09643	1403.77320	702.39024	468.59592	L	643.43403	322.22065	215.14953	4
11	70.06513	1500.82596	750.91662	500.94684	P	530.34996	265.67862	177.45484	3
12	30.03383	1557.84742	779.42735	519.95399	G	433.29720	217.15224	145.10392	2
13	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

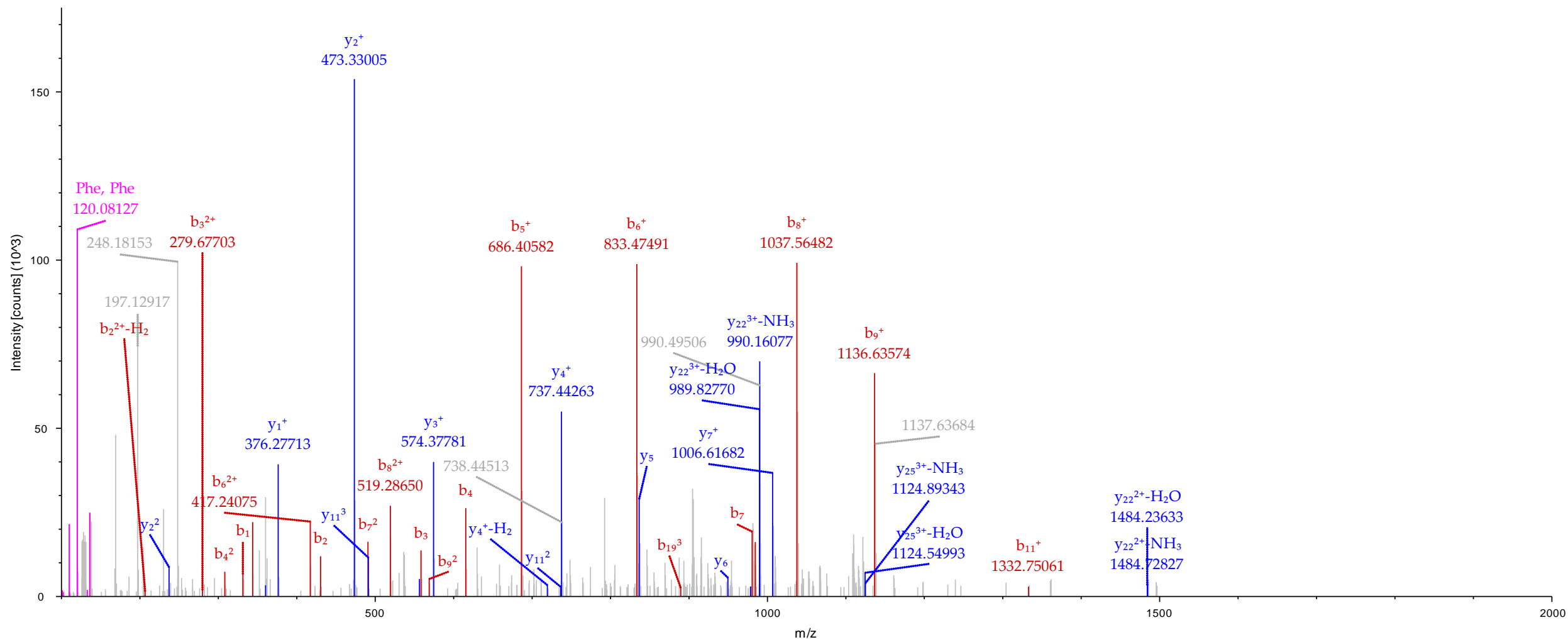
Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #76324 RT: 241.2616 min
 FTMS, 645.4023@hcd35.00, z=+3, Mono m/z=645.06775 Da, MH+=1933.18869 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

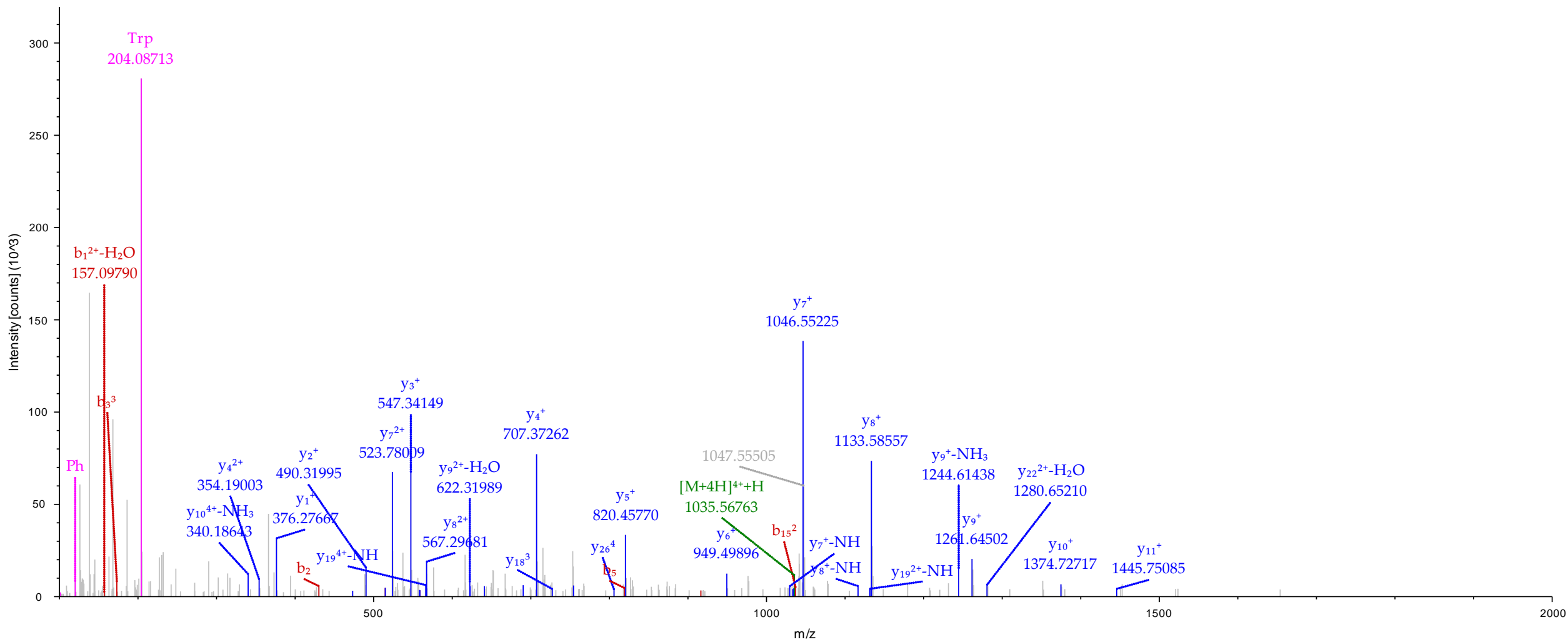
#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	303.22297	331.21789	166.11258	111.07748	83.55993	67.04940	T-TMT6plex						34
2	72.08078	430.28630	215.64679	144.10028	108.32703	86.86308	V	4195.09590	2098.05159	1399.03682	1049.52943	839.82500	33
3	101.07094	558.34488	279.67608	186.78648	140.34168	112.47480	Q	4096.02748	2048.51738	1366.01401	1024.76233	820.01132	32
4	30.03383	615.36634	308.18681	205.79363	154.59704	123.87909	G	3967.96891	1984.48809	1323.32782	992.74768	794.39960	31
5	44.04948	686.40346	343.70537	229.47267	172.35632	138.08651	A	3910.94744	1955.97736	1304.32067	978.49232	782.99531	30
6	120.08078	833.47187	417.23957	278.49547	209.12342	167.50020	F	3839.91033	1920.45880	1280.64163	960.73304	768.78789	29
7	120.08078	980.54028	490.77378	327.51828	245.89053	196.91388	F	3692.84192	1846.92460	1231.61882	923.96594	739.37420	28
8	30.03383	1037.56175	519.28451	346.52543	260.14589	208.31817	G	3545.77350	1773.39039	1182.59602	887.19883	709.96052	27
9	72.08078	1136.63016	568.81872	379.54824	284.91300	228.13185	V	3488.75204	1744.87966	1163.58886	872.94347	698.55623	26
10	70.06513	1233.68292	617.34510	411.89916	309.17619	247.54241	P	3389.68362	1695.34545	1130.56606	848.17636	678.74255	25
11	72.08078	1332.75134	666.87931	444.92196	333.94329	267.35609	V	3292.63086	1646.81907	1098.21514	823.91317	659.33199	24
12	181.06077	1540.79975	770.90351	514.27143	385.95539	308.96577	Y-Nitro	3193.56245	1597.28486	1065.19233	799.14607	639.51831	23
13	330.27026	1898.05764	949.53246	633.35740	475.26987	380.41735	K-TMT6plex	2985.51404	1493.26066	995.84286	747.13397	597.90863	22
14	88.03930	2013.08458	1007.04593	671.69971	504.02660	403.42274	D	2628.25615	1314.63171	876.75690	657.81949	526.45705	21
15	110.07127	2150.14349	1075.57539	717.38602	538.29133	430.83452	H	2513.22920	1257.11824	838.41459	629.06276	503.45166	20
16	102.05496	2279.18609	1140.09668	760.40021	570.55198	456.64304	E	2376.17029	1188.58878	792.72828	594.79803	476.03988	19
17	87.05529	2393.22902	1197.11815	798.41452	599.06271	479.45162	N	2247.12770	1124.06749	749.71408	562.53738	450.23136	18
18	133.04301	2553.25966	1277.13347	851.75807	639.07037	511.45775	C-Carbamidomethyl	2133.08477	1067.04602	711.69977	534.02665	427.42278	17
19	86.09643	2666.34373	1333.67550	889.45276	667.34139	534.07457	I	1973.05412	987.03070	658.35623	494.01899	395.41665	16
20	60.04439	2753.37576	1377.19152	918.46344	689.09940	551.48097	S	1859.97006	930.48867	620.66154	465.74797	372.79983	15
21	30.03383	2810.39722	1405.70225	937.47059	703.35476	562.88527	G	1772.93803	886.97265	591.65086	443.98996	355.39343	14
22	102.05496	2939.43981	1470.22354	980.48479	735.61541	588.69378	E	1715.91657	858.46192	572.64371	429.73460	343.98913	13
23	88.03930	3054.46676	1527.73702	1018.82710	764.37215	611.69917	D	1586.87397	793.94062	529.62951	397.47395	318.18062	12
24	86.09643	3167.55082	1584.27905	1056.52179	792.64316	634.31599	I	1471.84703	736.42715	491.28719	368.71721	295.17523	11
25	74.06004	3268.59850	1634.80289	1090.20435	817.90508	654.52552	T	1358.76297	679.88512	453.59251	340.44620	272.55841	10
26	110.07127	3405.65741	1703.33234	1135.89065	852.16981	681.93730	H	1257.71529	629.36128	419.90995	315.18428	252.34888	9
27	87.05529	3519.70034	1760.35381	1173.90496	880.68054	704.74589	N	1120.65638	560.83183	374.22364	280.91955	224.93710	8
28	30.03383	3576.72180	1788.86454	1192.91212	894.93591	716.15018	G	1006.61345	503.81036	336.20933	252.40882	202.12851	7
29	86.09643	3689.80586	1845.40657	1230.60681	923.20692	738.76699	I	949.59198	475.29963	317.20218	238.15345	190.72422	6
30	72.08078	3788.87428	1894.94078	1263.62961	947.97403	758.58068	V	836.50792	418.75760	279.50749	209.88244	168.10741	5
31	136.07569	3951.93761	1976.47244	1317.98405	988.73986	791.19334	Y	737.43951	369.22339	246.48469	185.11533	148.29372	4
32	74.06004	4052.98529	2026.99628	1351.66661	1014.00178	811.40288	T	574.37618	287.69173	192.13024	144.34950	115.68106	3
33	70.06513	4150.03805	2075.52266	1384.01753	1038.26497	830.81343	P	473.32850	237.16789	158.44768	119.08758	95.47152	2
34	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

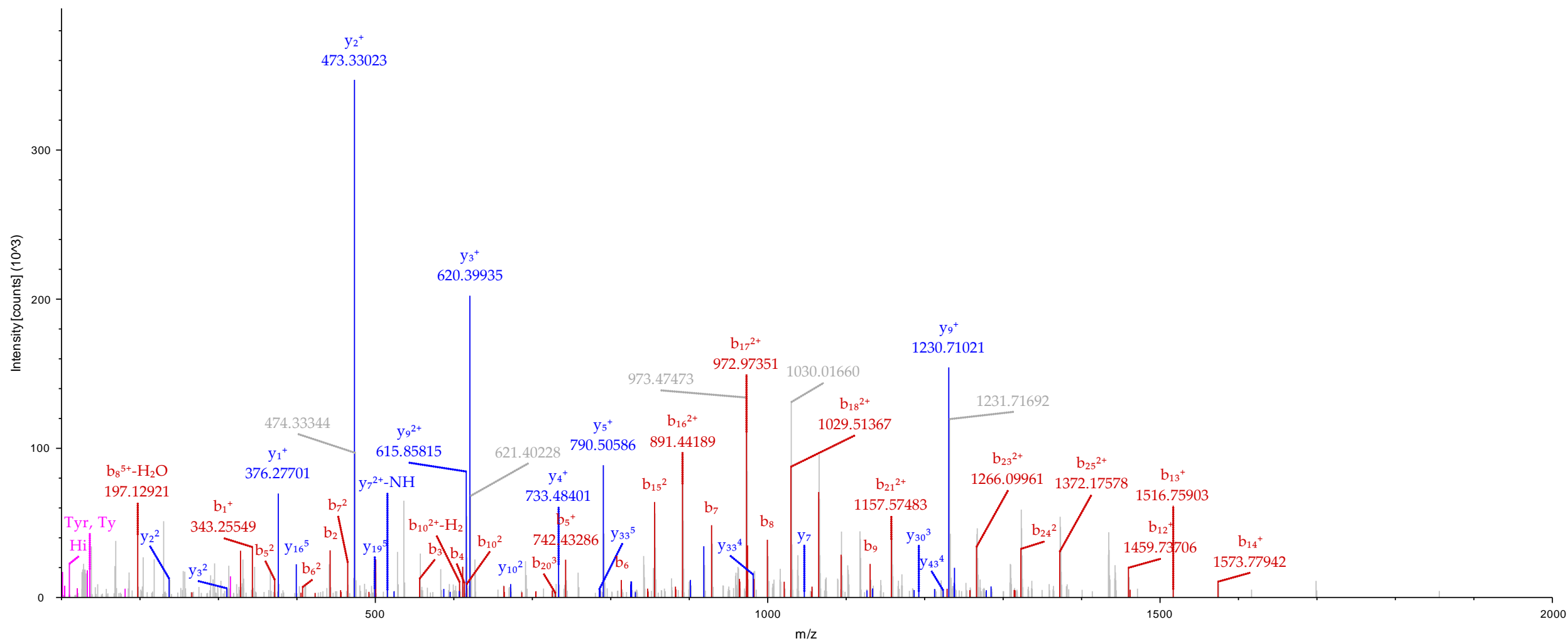
#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	303.22297	331.21789	166.11258	111.07748	83.55993	T-TMT6plex					32
2	72.08078	430.28630	215.64679	144.10028	108.32703	V	3807.96276	1904.48502	1269.99244	952.74615	31
3	60.04439	517.31833	259.16280	173.11096	130.08504	S	3708.89435	1854.95081	1236.96963	927.97904	30
4	204.07675	748.38272	374.69500	250.13242	187.85114	W-Nitro	3621.86232	1811.43480	1207.95896	906.22104	29
5	44.04948	819.41983	410.21356	273.81146	205.61042	A	3390.79793	1695.90260	1130.93749	848.45494	28
6	72.08078	918.48825	459.74776	306.83427	230.37752	V	3319.76081	1660.38404	1107.25846	830.69566	27
7	74.06004	1019.53593	510.27160	340.51683	255.63944	T	3220.69240	1610.84984	1074.23565	805.92856	26
8	70.06513	1116.58869	558.79798	372.86775	279.90263	P	3119.64472	1560.32600	1040.55309	780.66664	25
9	330.27026	1473.84658	737.42693	491.95371	369.21710	K-TMT6plex	3022.59196	1511.79962	1008.20217	756.40345	24
10	60.04439	1560.87861	780.94294	520.96439	390.97511	S	2665.33406	1333.17067	889.11620	667.08897	23
11	86.09643	1673.96268	837.48498	558.65908	419.24613	L	2578.30203	1289.65465	860.10553	645.33097	22
12	30.03383	1730.98414	865.99571	577.66623	433.50149	G	2465.21797	1233.11262	822.41084	617.05995	21
13	102.05496	1860.02673	930.51701	620.68043	465.76214	E	2408.19651	1204.60189	803.40369	602.80458	20
14	72.08078	1959.09515	980.05121	653.70323	490.52924	V	2279.15391	1140.08059	760.38949	570.54394	19
15	87.05529	2073.13808	1037.07268	691.71754	519.03998	N	2180.08550	1090.54639	727.36668	545.77683	18
16	120.08078	2220.20649	1110.60688	740.74035	555.80708	F	2066.04257	1033.52492	689.35237	517.26610	17
17	74.06004	2321.25417	1161.13072	774.42291	581.06900	T	1918.97416	959.99072	640.32957	480.49900	16
18	44.04948	2392.29128	1196.64928	798.10194	598.82828	A	1817.92648	909.46688	606.64701	455.23708	15
19	74.06004	2493.33896	1247.17312	831.78450	624.09020	T	1746.88937	873.94832	582.96797	437.47780	14
20	44.04948	2564.37607	1282.69168	855.46354	641.84948	A	1645.84169	823.42448	549.28541	412.21588	13
21	102.05496	2693.41867	1347.21297	898.47774	674.11012	E	1574.80457	787.90592	525.60638	394.45660	12
22	44.04948	2764.45578	1382.73153	922.15678	691.86940	A	1445.76198	723.38463	482.59218	362.19595	11
23	86.09643	2877.53984	1439.27356	959.85147	720.14042	L	1374.72487	687.86607	458.91314	344.43667	10
24	101.07094	3005.59842	1503.30285	1002.53766	752.15506	Q	1261.64080	631.32404	421.21845	316.16566	9
25	60.04439	3092.63045	1546.81886	1031.54833	773.91307	S	1133.58222	567.29475	378.53226	284.15101	8
26	70.06513	3189.68321	1595.34525	1063.89926	798.17626	P	1046.55020	523.77874	349.52158	262.39301	7
27	102.05496	3318.72581	1659.86654	1106.91345	830.43691	E	949.49743	475.25235	317.17066	238.12982	6
28	86.09643	3431.80987	1716.40857	1144.60814	858.70793	L	820.45484	410.73106	274.15646	205.86917	5
29	133.04301	3591.84052	1796.42390	1197.95169	898.71559	C-Carbamidomethyl	707.37078	354.18903	236.46178	177.59815	4
30	30.03383	3648.86198	1824.93463	1216.95885	912.97095	G	547.34013	274.17370	183.11823	137.59049	3
31	87.05529	3762.90491	1881.95609	1254.97315	941.48169	N	490.31866	245.66297	164.11107	123.33512	2
32	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

JM_NDplasmaBVM_TMT_NoFrac.raw #95398 RT: 269.3350 min
FTMS, 1035.7345@hcd35.00, z=+4, Mono m/z=1035.73450 Da, MH+=4139.91616 Da, Match Tol.=0.02 Da



#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y [*]	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	315.25936	343.25427	172.13077	115.08961	86.56903	69.45668	I-TMT6plex						48
2	72.08078	442.32269	221.66498	148.11241	111.33613	89.27036	V	5290.44272	2645.72500	1764.15243	1323.36614	1058.89437	47
3	87.05529	556.36561	278.68645	186.12672	139.84686	112.07894	N	5191.37431	2596.19079	1731.12962	1298.59904	1039.08068	46
4	30.03383	613.38708	307.19718	205.13388	154.10223	123.48324	G	5077.33138	2539.16933	1693.11531	1270.08830	1016.27210	45
5	102.05496	742.42967	371.71847	248.14807	186.36288	149.29176	E	5020.30992	2510.65860	1674.10816	1255.83294	1004.86781	44
6	44.04948	813.46678	407.23703	271.82711	204.12215	163.49918	A	4891.26733	2446.13730	1631.09396	1223.57229	979.05929	43
7	88.03930	928.49373	464.75050	310.16943	232.87889	186.50457	D	4820.23021	2410.61874	1607.41492	1205.81301	964.85186	42
8	44.04948	999.53084	500.26906	333.84846	250.63817	200.71199	A	4705.20327	2353.10527	1569.07261	1177.05627	941.84648	41
9	104.05285	1130.57133	565.78930	377.52863	283.39829	226.92009	M	4634.16616	2317.58672	1545.39357	1159.29700	927.63905	40
10	74.06004	1231.61900	616.31314	411.21119	308.66021	247.12962	T	4503.12567	2252.06647	1501.71341	1126.53688	901.43096	39
11	86.09643	1344.70307	672.85517	448.90587	336.93122	269.74643	L	4402.07799	2201.54263	1468.03085	1101.27496	881.22142	38
12	88.03930	1459.73001	730.36864	487.24819	365.68796	292.75182	D	4288.99393	2145.00060	1430.33616	1073.00394	858.60461	37
13	30.03383	1516.75147	758.87938	506.25534	379.94333	304.15612	G	4173.96699	2087.48713	1391.99385	1044.24720	835.59922	36
14	30.03383	1573.77294	787.39011	525.26250	394.19869	315.56041	G	4116.94552	2058.97640	1372.98669	1029.99184	824.19493	35
15	110.07127	1710.83185	855.91956	570.94880	428.46342	342.97219	H	4059.92406	2030.46567	1353.97954	1015.73647	812.79063	34
16	44.04948	1781.86896	891.43812	594.62784	446.22270	357.17961	A	3922.86515	1961.93621	1308.29323	981.47174	785.37885	33
17	136.07569	1944.93229	972.96978	648.98228	486.98853	389.79228	Y	3851.82803	1926.41765	1284.61420	963.71247	771.17143	32
18	86.09643	2058.01636	1029.51182	686.67697	515.25955	412.40909	I	3688.76470	1844.88599	1230.25975	922.94663	738.55876	31
19	44.04948	2129.05347	1065.03037	710.35601	533.01882	426.61652	A	3575.68064	1788.34396	1192.56506	894.67562	715.94195	30
20	30.03383	2186.07493	1093.54111	729.36316	547.27419	438.02081	G	3504.64353	1752.82540	1168.88603	876.91634	701.73453	29
21	101.07094	2314.13351	1157.57039	772.04935	579.28884	463.63252	Q	3447.62206	1724.31467	1149.87887	862.66097	690.33023	28
22	133.04301	2474.16416	1237.58572	825.39290	619.29650	495.63865	C-Carbamidomethyl	3319.56349	1660.28538	1107.19268	830.64633	664.71852	27
23	30.03383	2531.18562	1266.09645	844.40006	633.55186	507.04295	G	3159.53284	1580.27006	1053.84913	790.63867	632.71239	26
24	86.09643	2644.26969	1322.63848	882.09475	661.82288	529.65976	L	3102.51137	1551.75933	1034.84198	776.38330	621.30810	25
25	72.08078	2743.33810	1372.17269	915.11755	686.58998	549.47344	V	2989.42731	1495.21729	997.14729	748.11228	598.69128	24
26	70.06513	2840.39086	1420.69907	947.46847	710.85317	568.88399	P	2890.35890	1445.68309	964.12448	723.34518	578.87760	23
27	72.08078	2939.45928	1470.23328	980.49128	735.62028	588.69768	V	2793.30613	1397.15670	931.77356	699.08199	559.46705	22
28	104.05285	3070.49976	1535.75352	1024.17144	768.38040	614.90577	M	2694.23772	1347.62250	898.75076	674.31489	539.65336	21
29	44.04948	3141.53688	1571.27208	1047.85048	786.13968	629.11320	A	2563.19723	1282.10226	855.07060	641.55477	513.44527	20
30	102.05496	3270.57947	1635.79337	1090.86467	818.40032	654.92172	E	2492.16012	1246.58370	831.39156	623.79549	499.23785	19
31	181.06077	3478.62788	1739.81758	1160.21414	870.41243	696.53140	Y-Nitro	2363.11753	1182.06240	788.37736	591.53484	473.42933	18
32	136.07569	3641.69120	1821.34924	1214.56859	911.17826	729.14406	Y	2155.06912	1078.03820	719.02789	539.52274	431.81965	17
33	102.05496	3770.73380	1885.87054	1257.58278	943.43891	754.95258	E	1992.00579	996.50653	664.67345	498.75691	399.20698	16
34	60.04439	3857.76583	1929.38655	1286.59346	965.19691	772.35899	S	1862.96320	931.98524	621.65925	466.49626	373.39846	15
35	60.04439	3944.79785	1972.90257	1315.60414	986.95492	789.76539	S	1775.93117	888.46922	592.64857	444.73825	355.99206	14
36	87.05529	4058.84078	2029.92403	1353.61845	1015.46565	812.57398	N	1688.89914	844.95321	563.63790	422.98024	338.58565	13
37	133.04301	4218.87143	2109.93935	1406.96199	1055.47332	844.58011	C-Carbamidomethyl	1574.85621	787.93175	525.62359	394.46951	315.77706	12
38	44.04948	4289.90854	2145.45791	1430.64103	1073.23259	858.78753	A	1414.82557	707.91642	472.28004	354.46185	283.77093	11
39	86.09643	4402.99261	2201.99994	1468.33572	1101.50361	881.40434	I	1343.78845	672.39786	448.60100	336.70257	269.56351	10
40	70.06513	4500.04537	2250.52632	1500.68664	1125.76680	900.81490	P	1230.70439	615.85583	410.90631	308.43155	246.94670	9
41	60.04439	4587.07740	2294.04234	1529.69732	1147.52481	918.22130	S	1133.65162	567.32945	378.55539	284.16836	227.53615	8
42	101.07094	4715.13598	2358.07163	1572.38351	1179.53945	943.83302	Q	1046.61960	523.81344	349.54472	262.41036	210.12974	7
43	101.07094	4843.19456	2422.10092	1615.06970	1211.55410	969.44473	Q	918.56102	459.78415	306.85852	230.39571	184.51803	6
44	30.03383	4900.21602	2450.61165	1634.07686	1225.80946	980.84903	G	790.50244	395.75486	264.17233	198.38107	158.90631	5
45	86.09643	5013.30008	2507.15368	1671.77155	1254.08048	1003.46584	I	733.48098	367.24413	245.16518	184.12570	147.50202	4
46	120.08078	5160.36850	2580.68789	1720.79435	1290.84758	1032.87952	F	620.39691	310.70210	207.47049	155.85469	124.88520	3
47	70.06513	5257.42126	2629.21427	1753.14527	1315.11077	1052.29007	P	473.32850	237.16789	158.44768	119.08758	95.47152	2
48	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

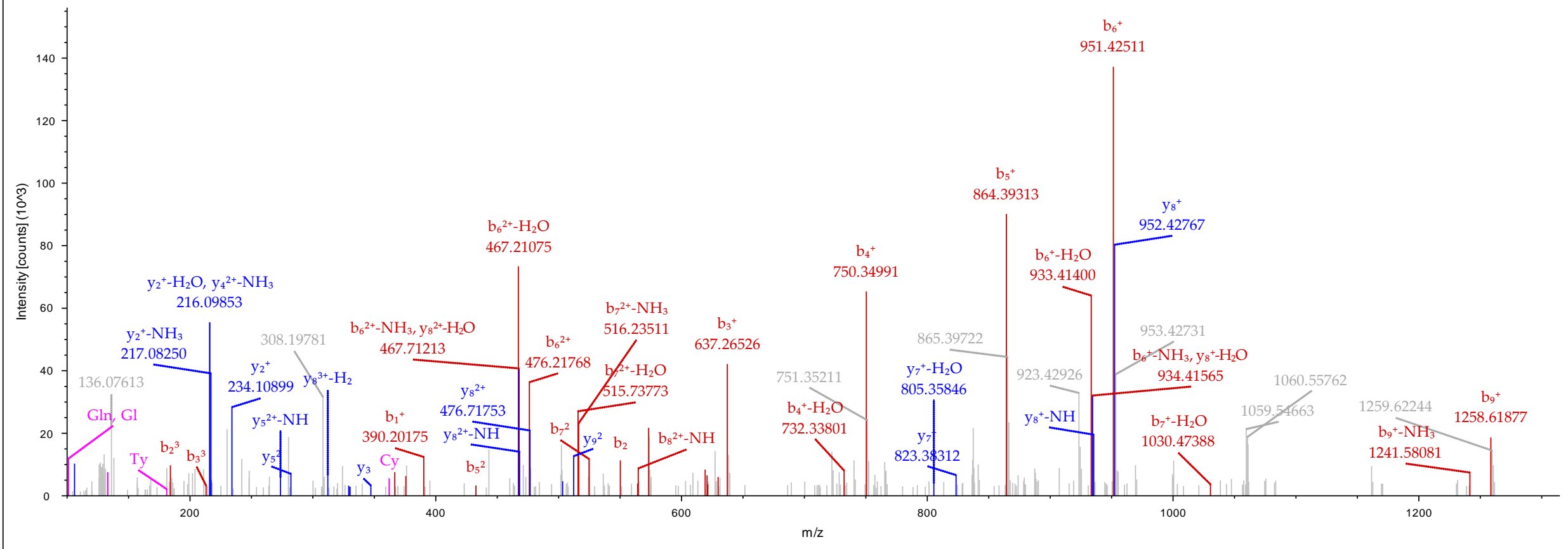
JM_NDplasmaBVM_TMT_Fr3.raw #108500 RT: 305.2245 min
FTMS, 1126.5431@hcd35.00, z=+5, Mono m/z=1126.54309 Da, MH+=5628.68635 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	362.20594	390.20086	195.60407	130.73847	C-TMT6plex-Carbamidomethyl				25
2	133.04301	550.23151	275.61939	184.08202	C-Carbamidomethyl	2790.19029	1395.59878	930.73495	24
3	60.04439	637.26353	319.13541	213.09270	S	2630.15964	1315.58346	877.39140	23
4	86.09643	750.34760	375.67744	250.78738	I	2543.12761	1272.06744	848.38072	22
5	87.05529	864.39053	432.69890	288.80169	N	2430.04355	1215.52541	810.68603	21
6	60.04439	951.42255	476.21492	317.81237	S	2316.00062	1158.50395	772.67172	20
7	70.06513	1048.47532	524.74130	350.16329	P	2228.96859	1114.98793	743.66105	19
8	70.06513	1145.52808	573.26768	382.51421	P	2131.91583	1066.46155	711.31013	18
9	86.09643	1258.61215	629.80971	420.20890	L	2034.86306	1017.93517	678.95921	17
10	181.06077	1466.66055	733.83391	489.55837	Y-Nitro	1921.77900	961.39314	641.26452	16
11	133.04301	1626.69120	813.84924	542.90192	C-Carbamidomethyl	1713.73059	857.36893	571.91505	15
12	60.04439	1713.72323	857.36525	571.91259	S	1553.69994	777.35361	518.57150	14
13	60.04439	1800.75526	900.88127	600.92327	S	1466.66792	733.83760	489.56082	13
14	101.07094	1928.81383	964.91056	643.60946	Q	1379.63589	690.32158	460.55015	12
15	86.09643	2041.89790	1021.45259	681.30415	I	1251.57731	626.29229	417.86395	11
16	88.03930	2156.92484	1078.96606	719.64646	D	1138.49325	569.75026	380.16927	10
17	44.04948	2227.96195	1114.48462	743.32550	A	1023.46630	512.23679	341.82695	9
18	102.05496	2357.00455	1179.00591	786.33970	E	952.42919	476.71823	318.14791	8
19	120.04776	2504.03995	1252.52361	835.35150	M-Oxidation	823.38660	412.19694	275.13372	7
20	86.09643	2617.12401	1309.06564	873.04619	I	676.35120	338.67924	226.12192	6
21	88.03930	2732.15095	1366.57912	911.38850	D	563.26713	282.13720	188.42723	5
22	74.06004	2833.19863	1417.10295	945.07106	T	448.24019	224.62373	150.08491	4
23	86.09643	2946.28270	1473.64499	982.76575	L	347.19251	174.09989	116.40235	3
24	101.07094	3074.34127	1537.67428	1025.45194	Q	234.10845	117.55786	78.70767	2
25	60.04439				S	106.04987	53.52857	36.02147	1

JM_NDplasmaBVM_TMT_Fr1.raw #67916 RT: 228.9997 min
 FTMS, 1060.1477 @hcd35.00, z=+3, Mono m/z=1060.14771 Da, MH+=3178.42856 Da, Match Tol.=0.02 Da

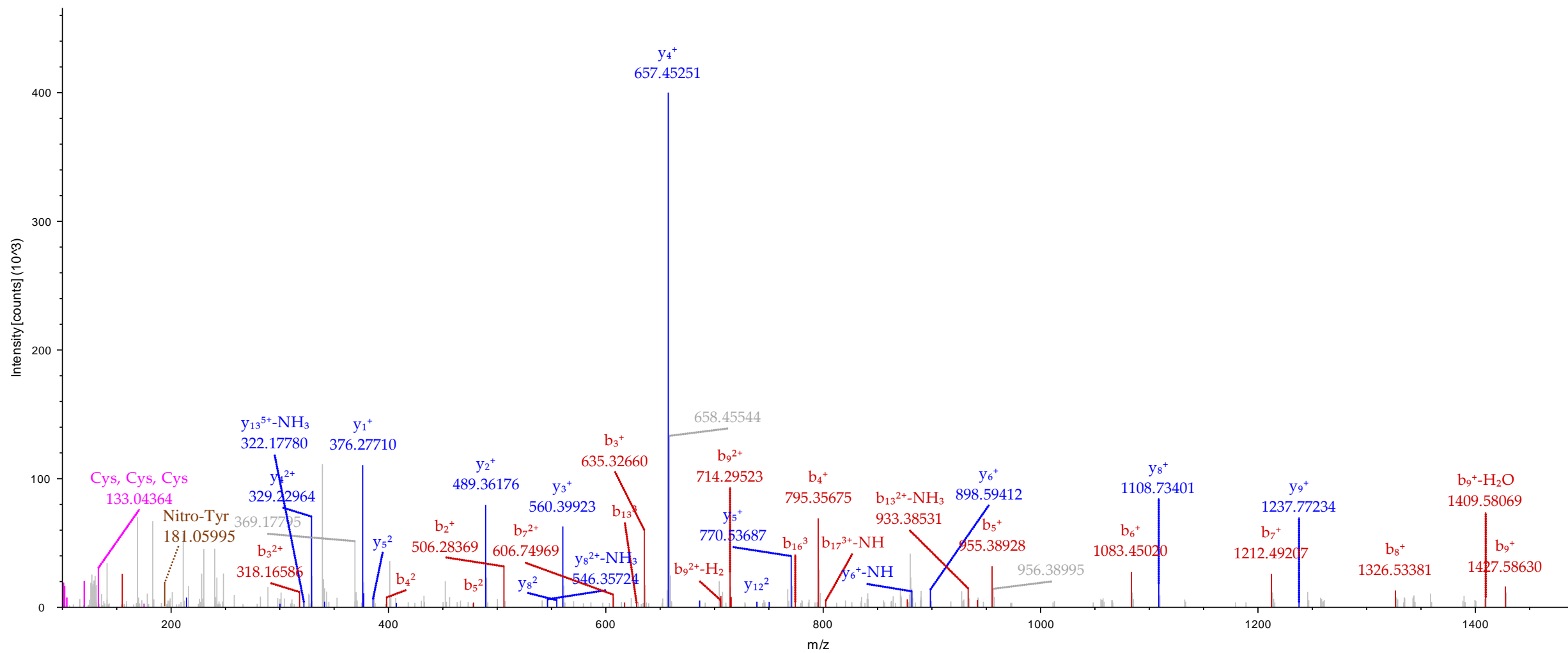


— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	349.24371	377.23862	189.12295	126.41773	95.06511	76.25355	F-TMT6plex						32
2	102.05496	506.28122	253.64425	169.43192	127.32576	102.06206	E	4023.79668	2012.40198	1341.93708	1006.70463	805.56516	31
3	102.05496	635.32381	318.16554	212.44612	159.58641	127.87058	E	3894.75408	1947.88068	1298.92288	974.44398	779.75664	30
4	133.04301	795.35446	398.18087	265.78967	199.59407	159.87671	C-Carbamidomethyl	3765.71149	1883.35938	1255.90868	942.18333	753.94812	29
5	133.04301	955.38511	478.19619	319.13322	239.60173	191.88284	C-Carbamidomethyl	3605.68084	1803.34406	1202.56513	902.17567	721.94199	28
6	101.07094	1083.44368	542.22548	361.81941	271.61638	217.49456	Q	3445.65019	1723.32873	1149.22158	862.16801	689.93586	27
7	102.05496	1212.48628	606.74678	404.83361	303.87703	243.30308	E	3317.59161	1659.29945	1106.53539	830.15336	664.32414	26
8	87.05529	1326.52920	663.76824	442.84792	332.38776	266.11166	N	3188.54902	1594.77815	1063.52119	797.89271	638.51563	25
9	74.06004	1427.57688	714.29208	476.53048	357.64968	286.32120	T	3074.50609	1537.75669	1025.50688	769.38198	615.70704	24
10	70.06513	1524.62965	762.81846	508.88140	381.91287	305.73175	P	2973.45842	1487.23285	991.82432	744.12006	595.49750	23
11	104.05285	1655.67013	828.33870	552.56156	414.67299	331.93985	M	2876.40565	1438.70646	959.47340	719.85687	576.08695	22
12	87.05529	1769.71306	885.36017	590.57587	443.18372	354.74843	N	2745.36517	1373.18622	915.79324	687.09675	549.87885	21
13	86.09643	1882.79712	941.90220	628.27056	471.45474	377.36525	I	2631.32224	1316.16476	877.77893	658.58602	527.07027	20
14	120.08078	2029.86554	1015.43641	677.29336	508.22184	406.77893	F	2518.23818	1259.62273	840.08424	630.31500	504.45346	19
15	104.05285	2160.90602	1080.95665	720.97352	540.98196	432.98703	M	2371.16976	1186.08852	791.06144	593.54790	475.03977	18
16	133.04301	2320.93667	1160.97197	774.31707	580.98962	464.99315	C-Carbamidomethyl	2240.12928	1120.56828	747.38128	560.78778	448.83168	17
17	74.06004	2421.98435	1211.49581	807.99963	606.25154	485.20269	T	2080.09863	1040.55295	694.03773	520.78011	416.82555	16
18	181.06077	2630.03275	1315.52001	877.34910	658.26365	526.81237	Y-Nitro	1979.05095	990.02911	660.35517	495.51820	396.61601	15
19	120.08078	2777.10117	1389.05422	926.37191	695.03075	556.22605	F	1771.00254	886.00491	591.00570	443.50609	355.00633	14
20	120.04776	2924.13657	1462.57192	975.38371	731.78960	585.63313	M-Oxidation	1623.93413	812.47070	541.98289	406.73899	325.59265	13
21	70.06513	3021.18933	1511.09830	1007.73463	756.05279	605.04369	P	1476.89873	738.95300	492.97109	369.98014	296.18557	12
22	44.04948	3092.22644	1546.61686	1031.41367	773.81207	619.25111	A	1379.84597	690.42662	460.62017	345.71695	276.77501	11
23	44.04948	3163.26356	1582.13542	1055.09270	791.57135	633.45853	A	1308.80885	654.90807	436.94114	327.95767	262.56759	10
24	102.05496	3292.30615	1646.65671	1098.10690	823.83200	659.26705	E	1237.77174	619.38951	413.26210	310.19839	248.36017	9
25	70.06513	3389.35891	1695.18310	1130.45782	848.09519	678.67760	P	1108.72915	554.86821	370.24790	277.93774	222.55165	8
26	86.09643	3502.44298	1751.72513	1168.15251	876.36620	701.29442	L	1011.67638	506.34183	337.89698	253.67455	203.14110	7
27	101.07094	3630.50156	1815.75442	1210.83870	908.38085	726.90613	Q	898.59232	449.79980	300.20229	225.40354	180.52429	6
28	86.09643	3743.58562	1872.29645	1248.53339	936.65186	749.52295	L	770.53374	385.77051	257.51610	193.38889	154.91257	5
29	70.06513	3840.63838	1920.82283	1280.88431	960.91505	768.93350	P	657.44968	329.22848	219.82141	165.11788	132.29576	4
30	44.04948	3911.67550	1956.34139	1304.56335	978.67433	783.14092	A	560.39691	280.70210	187.47049	140.85469	112.88520	3
31	86.09643	4024.75956	2012.88342	1342.25804	1006.94535	805.75773	I	489.35980	245.18354	163.79145	123.09541	98.67778	2
32	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

Nitro-Tyr immonium ion is detected in MS/MS spectra and added brown colored in the following spectrum

JM_NDplasmaBVM_TMT_Fr4_20171103150556.raw #102028 RT: 302.0993 min
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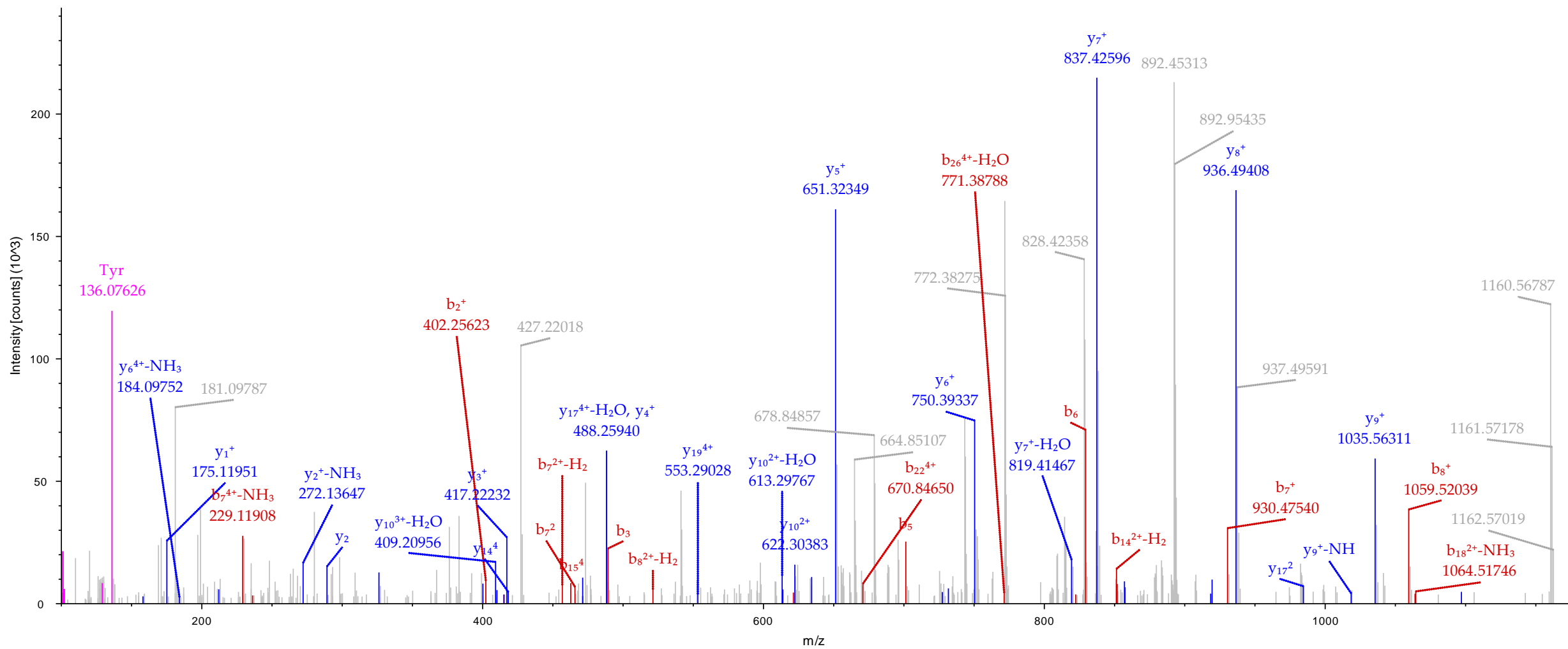


— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	317.20224	345.19715	173.10221	115.73723	87.05475	D-TMT6plex					37
2	86.09643	458.28122	229.64425	153.43192	115.32576	I	3998.95646	1999.98187	1333.65701	1000.49457	36
3	74.06004	559.32889	280.16809	187.11448	140.58768	T	3885.87240	1943.43984	1295.96232	972.22356	35
4	74.06004	660.37657	330.69192	220.79704	165.84960	T	3784.82472	1892.91600	1262.27976	946.96164	34
5	72.08078	759.44499	380.22613	253.81985	190.61670	V	3683.77704	1842.39216	1228.59720	921.69972	33
6	87.05529	873.48791	437.24760	291.83416	219.12744	N	3584.70863	1792.85795	1195.57439	896.93261	32
7	120.08078	1020.55633	510.78180	340.85696	255.89454	F	3470.66570	1735.83649	1157.56009	868.42188	31
8	70.06513	1117.60909	559.30818	373.20788	280.15773	P	3323.59729	1662.30228	1108.53728	831.65478	30
9	70.06513	1214.66186	607.83457	405.55880	304.42092	P	3226.54452	1613.77590	1076.18636	807.39159	29
10	44.04948	1285.69897	643.35312	429.23784	322.18020	A	3129.49176	1565.24952	1043.83544	783.12840	28
11	86.09643	1398.78303	699.89515	466.93253	350.45122	L	3058.45465	1529.73096	1020.15640	765.36912	27
12	44.04948	1469.82015	735.41371	490.61157	368.21049	A	2945.37058	1473.18893	982.46171	737.09810	26
13	60.04439	1556.85217	778.92973	519.62224	389.96850	S	2874.33347	1437.67037	958.78267	719.33882	25
14	30.03383	1613.87364	807.44046	538.62940	404.22387	G	2787.30144	1394.15436	929.77200	697.58082	24
15	30.03383	1670.89510	835.95119	557.63655	418.47923	G	2730.27998	1365.64363	910.76484	683.32545	23
16	30.03383	1727.91657	864.46192	576.64371	432.73460	G	2673.25851	1337.13290	891.75769	669.07009	22
17	181.06077	1935.96497	968.48612	645.99318	484.74670	Y-Nitro	2616.23705	1308.62216	872.75053	654.81472	21
18	74.06004	2037.01265	1019.00996	679.67573	510.00862	T	2408.18864	1204.59796	803.40107	602.80262	20
19	120.04776	2184.04805	1092.52766	728.68753	546.76747	M-Oxidation	2307.14096	1154.07412	769.71851	577.54070	19
20	60.04439	2271.08008	1136.04368	757.69821	568.52548	S	2160.10557	1080.55642	720.70671	540.78185	18
21	60.04439	2358.11211	1179.55969	786.70889	590.28348	S	2073.07354	1037.04041	691.69603	519.02384	17
22	101.07094	2486.17068	1243.58898	829.39508	622.29813	Q	1986.04151	993.52439	662.68535	497.26583	16
23	86.09643	2599.25475	1300.13101	867.08977	650.56914	L	1857.98293	929.49510	619.99916	465.25119	15
24	74.06004	2700.30243	1350.65485	900.77233	675.83106	T	1744.89887	872.95307	582.30447	436.98017	14
25	86.09643	2813.38649	1407.19688	938.46701	704.10208	L	1643.85119	822.42923	548.62191	411.71825	13
26	70.06513	2910.43925	1455.72327	970.81794	728.36527	P	1530.76712	765.88720	510.92723	383.44724	12
27	44.04948	2981.47637	1491.24182	994.49697	746.12455	A	1433.71436	717.36082	478.57630	359.18405	11
28	72.08078	3080.54478	1540.77603	1027.51978	770.89165	V	1362.67725	681.84226	454.89727	341.42477	10
29	102.05496	3209.58738	1605.29733	1070.53398	803.15230	E	1263.60883	632.30806	421.87446	316.65767	9
30	133.04301	3369.61802	1685.31265	1123.87753	843.15996	C-Carbamidomethyl	1134.56624	567.78676	378.86026	284.39702	8
31	70.06513	3466.67079	1733.83903	1156.22845	867.42315	P	974.53559	487.77143	325.51672	244.38936	7
32	102.05496	3595.71338	1798.36033	1199.24264	899.68380	E	877.48283	439.24505	293.16579	220.12616	6
33	30.03383	3652.73484	1826.87106	1218.24980	913.93917	G	748.44024	374.72376	250.15160	187.86552	5
34	102.05496	3781.77744	1891.39236	1261.26400	946.19982	E	691.41877	346.21302	231.14444	173.61015	4
35	60.04439	3868.80947	1934.90837	1290.27467	967.95782	S	562.37618	281.69173	188.13024	141.34950	3
36	72.08078	3967.87788	1984.44258	1323.29748	992.72493	V	475.34415	238.17571	159.11957	119.59150	2
37	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

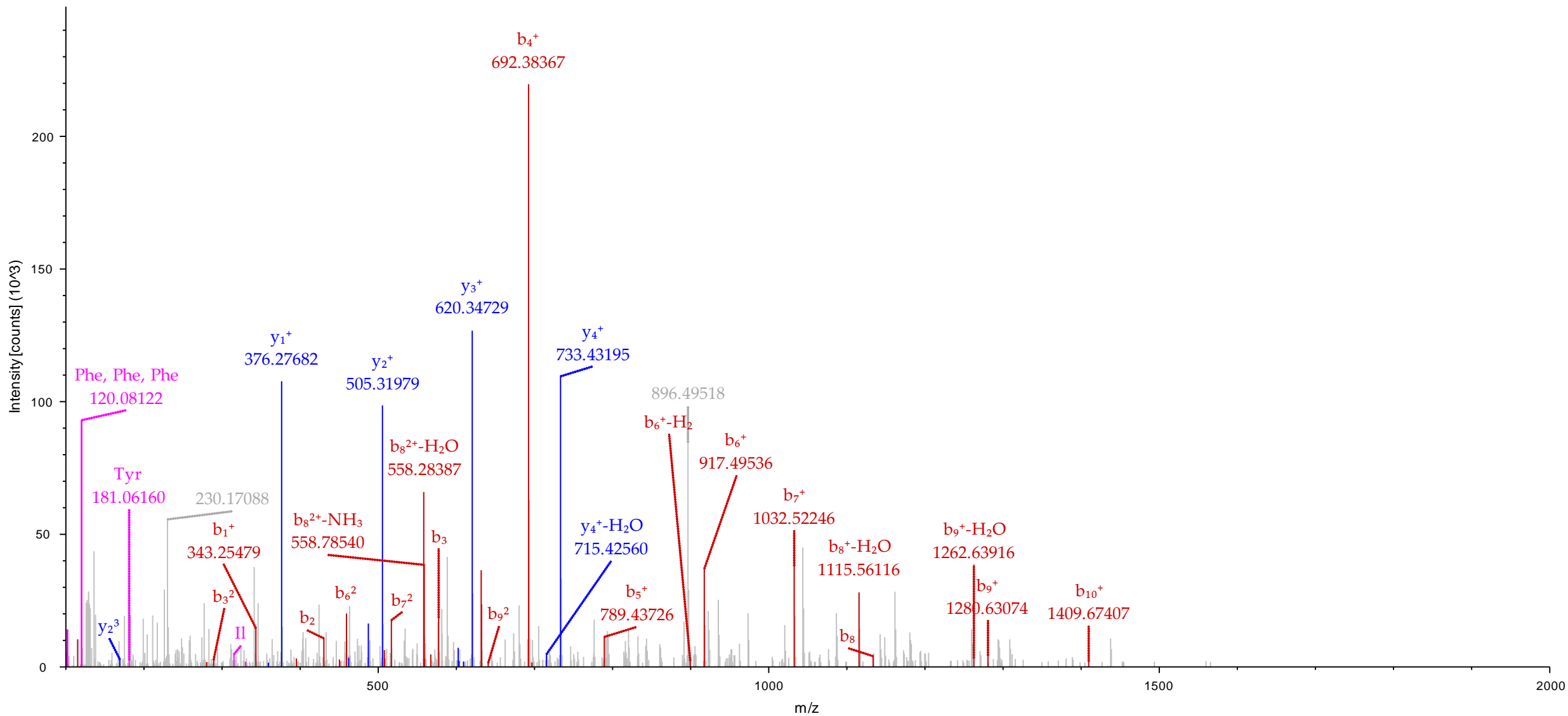
#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	303.22297	331.21789	166.11258	111.07748	83.55993	T-TMT6plex					29
2	44.04948	402.25500	201.63114	134.75652	101.31921	A	3186.48956	1593.74842	1062.83471	797.37785	28
3	60.04439	489.28703	245.14715	163.76719	123.07721	S	3115.45245	1558.22986	1039.15567	779.61857	27
4	70.06513	586.33979	293.67353	196.11812	147.34041	P	3028.42042	1514.71385	1010.14499	757.86056	26
5	88.03930	701.36674	351.18701	234.46043	176.09714	D	2931.36766	1466.18747	977.79407	733.59737	25
6	101.07094	829.42531	415.21629	277.14662	208.11179	Q	2816.34071	1408.67400	939.45176	704.84064	24
7	74.06004	930.47299	465.74013	310.82918	233.37371	T	2688.28214	1344.64471	896.76556	672.82599	23
8	102.05496	1059.51558	530.26143	353.84338	265.63435	E	2587.23446	1294.12087	863.08300	647.56407	22
9	120.04776	1206.55098	603.77913	402.85518	302.39320	M-Oxidation	2458.19186	1229.59957	820.06881	615.30342	21
10	74.06004	1307.59866	654.30297	436.53774	327.65512	T	2311.15647	1156.08187	771.05701	578.54457	20
11	86.09643	1420.68273	710.84500	474.23243	355.92614	I	2210.10879	1105.55803	737.37445	553.28265	19
12	102.05496	1549.72532	775.36630	517.24662	388.18679	E	2097.02472	1049.01600	699.67976	525.01164	18
13	30.03383	1606.74678	803.87703	536.25378	402.44215	G	1967.98213	984.49470	656.66556	492.75099	17
14	86.09643	1719.83085	860.41906	573.94847	430.71317	L	1910.96067	955.98397	637.65841	478.49562	16
15	101.07094	1847.88942	924.44835	616.63466	462.72781	Q	1797.87660	899.44194	599.96372	450.22461	15
16	70.06513	1944.94219	972.97473	648.98558	486.99100	P	1669.81802	835.41265	557.27753	418.20996	14
17	74.06004	2045.98987	1023.49857	682.66814	512.25292	T	1572.76526	786.88627	524.92660	393.94677	13
18	72.08078	2145.05828	1073.03278	715.69094	537.02003	V	1471.71758	736.36243	491.24405	368.68485	12
19	102.05496	2274.10087	1137.55408	758.70514	569.28068	E	1372.64917	686.82822	458.22124	343.91775	11
20	181.06077	2482.14928	1241.57828	828.05461	621.29278	Y-Nitro	1243.60658	622.30693	415.20704	311.65710	10
21	72.08078	2581.21769	1291.11249	861.07742	646.05988	V	1035.55817	518.28272	345.85757	259.64500	9
22	72.08078	2680.28611	1340.64669	894.10022	670.82698	V	936.48976	468.74852	312.83477	234.87790	8
23	60.04439	2767.31814	1384.16271	923.11090	692.58499	S	837.42134	419.21431	279.81196	210.11079	7
24	72.08078	2866.38655	1433.69691	956.13370	717.35210	V	750.38931	375.69829	250.80129	188.35279	6
25	136.07569	3029.44988	1515.22858	1010.48814	758.11793	Y	651.32090	326.16409	217.77848	163.58568	5
26	44.04948	3100.48699	1550.74713	1034.16718	775.87721	A	488.25757	244.63242	163.42404	122.81985	4
27	101.07094	3228.54557	1614.77642	1076.85337	807.89185	Q	417.22046	209.11387	139.74500	105.06057	3
28	87.05529	3342.58850	1671.79789	1114.86768	836.40258	N	289.16188	145.08458	97.05881	73.04593	2
29	129.11347					R	175.11895	88.06311	59.04450	44.53520	1

JM_NDplasmaBVM_TMT_Fr3.raw #97079 RT: 278.5980 min
 FTMS, 879.4409@hcd35.00, z=+4, Mono m/z=879.44092 Da, MH+=3514.74184 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immorium
— b, b-H₂O, b-NH₃

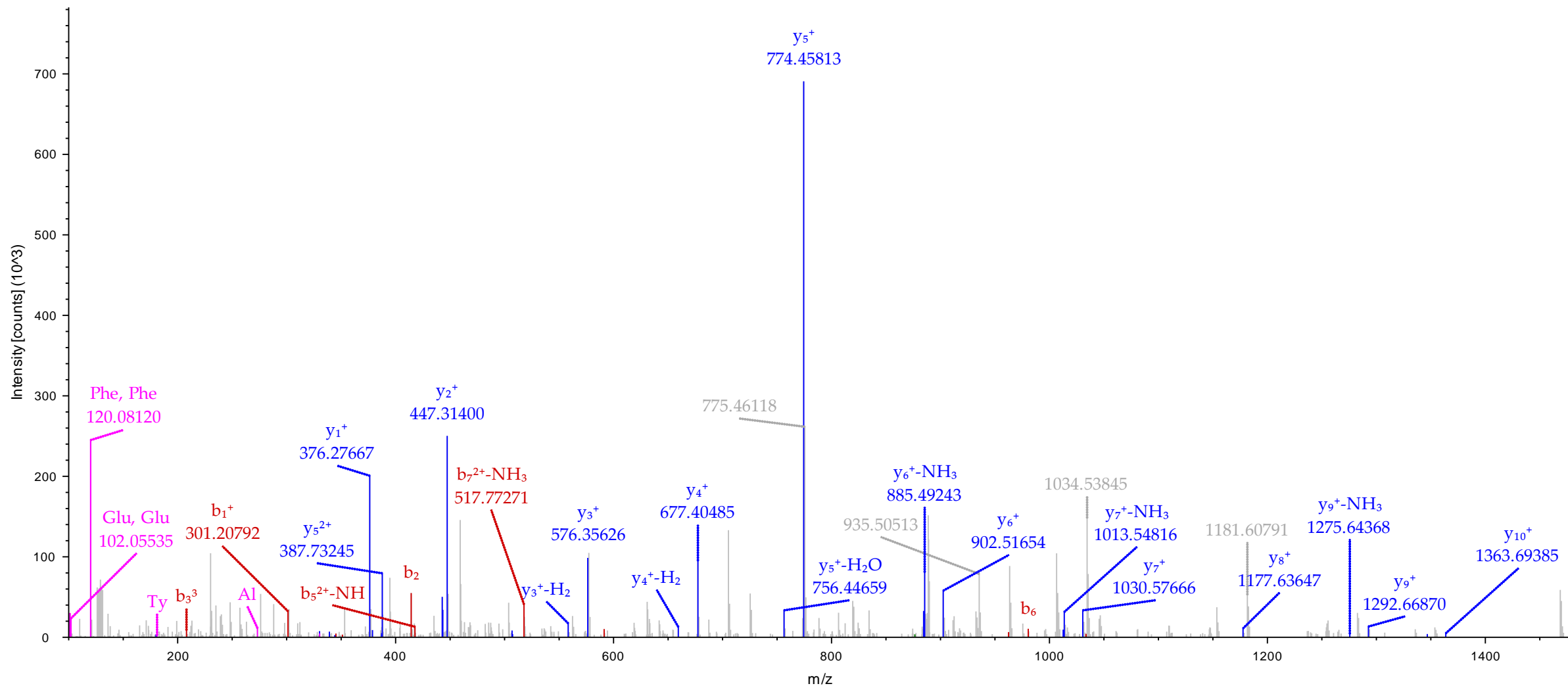
#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	315.25936	343.25427	172.13077	115.08961	I-TMT6plex				18
2	60.04439	430.28630	215.64679	144.10028	S	2371.04513	1186.02620	791.01990	17
3	120.08078	577.35471	289.18100	193.12309	F	2284.01310	1142.51019	762.00922	16
4	88.03930	692.38166	346.69447	231.46540	D	2136.94469	1068.97598	712.98641	15
5	70.06513	789.43442	395.22085	263.81632	P	2021.91775	1011.46251	674.64410	14
6	101.07094	917.49300	459.25014	306.50252	Q	1924.86498	962.93613	642.29318	13
7	88.03930	1032.51994	516.76361	344.84483	D	1796.80641	898.90684	599.60699	12
8	74.06004	1133.56762	567.28745	378.52739	T	1681.77946	841.39337	561.26467	11
9	120.08078	1280.63603	640.82166	427.55020	F	1580.73178	790.86953	527.58211	10
10	102.05496	1409.67863	705.34295	470.56439	E	1433.66337	717.33532	478.55931	9
11	60.04439	1496.71066	748.85897	499.57507	S	1304.62078	652.81403	435.54511	8
12	102.05496	1625.75325	813.38026	542.58927	E	1217.58875	609.29801	406.53443	7
13	120.08078	1772.82166	886.91447	591.61207	F	1088.54616	544.77672	363.52024	6
14	181.06077	1980.87007	990.93867	660.96154	Y-Nitro	941.47774	471.24251	314.49743	5
15	86.09643	2093.95413	1047.48070	698.65623	L	733.42934	367.21831	245.14796	4
16	88.03930	2208.98108	1104.99418	736.99854	D	620.34527	310.67627	207.45328	3
17	102.05496	2338.02367	1169.51547	780.01274	E	505.31833	253.16280	169.11096	2
18	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
 — Immonium
— y, y-H₂O, y-NH₃
 — b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	273.21241	301.20732	151.10730	101.07396	A-TMT6plex				19
2	86.09643	414.29139	207.64933	138.76865	L	2362.14004	1181.57366	788.05153	18
3	181.06077	622.33979	311.67353	208.11812	Y-Nitro	2249.05597	1125.03162	750.35684	17
4	101.07094	750.39837	375.70282	250.80431	Q	2041.00757	1021.00742	681.00737	16
5	74.06004	851.44605	426.22666	284.48687	T	1912.94899	956.97813	638.32118	15
6	102.05496	980.48864	490.74796	327.50106	E	1811.90131	906.45429	604.63862	14
7	44.04948	1051.52576	526.26652	351.18010	A	1682.85872	841.93300	561.62442	13
8	120.08078	1198.59417	599.80072	400.20291	F	1611.82160	806.41444	537.94539	12
9	74.06004	1299.64185	650.32456	433.88547	T	1464.75319	732.88023	488.92258	11
10	44.04948	1370.67896	685.84312	457.56450	A	1363.70551	682.35639	455.24002	10
11	88.03930	1485.70590	743.35659	495.90682	D	1292.66840	646.83784	431.56098	9
12	120.08078	1632.77432	816.89080	544.92962	F	1177.64145	589.32437	393.21867	8
13	101.07094	1760.83290	880.92009	587.61582	Q	1030.57304	515.79016	344.19586	7
14	101.07094	1888.89147	944.94937	630.30201	Q	902.51446	451.76087	301.50967	6
15	70.06513	1985.94424	993.47576	662.65293	P	774.45589	387.73158	258.82348	5
16	74.06004	2086.99192	1043.99960	696.33549	T	677.40312	339.20520	226.47256	4
17	102.05496	2216.03451	1108.52089	739.34969	E	576.35544	288.68136	192.79000	3
18	44.04948	2287.07162	1144.03945	763.02873	A	447.31285	224.16006	149.77580	2
19	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

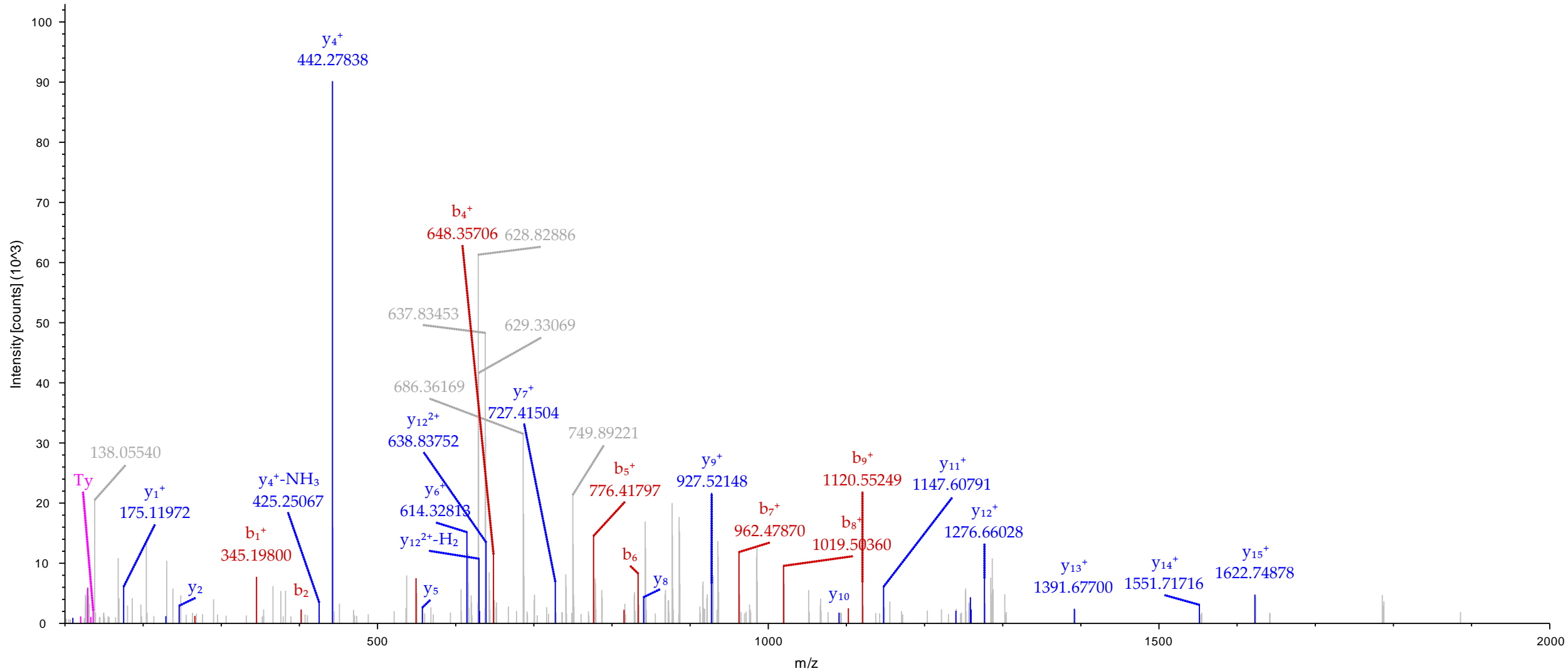
JM_NDplasmaBVM_TMT_NoFrac.raw #92334 RT: 262.7506 min
 FTMS, 888.4650@hcd35.00, z=+3, Mono m/z=888.13098 Da, MH+=2662.37839 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	317.20224	345.19715	173.10221	115.73723	D-TMT6plex				34
2	30.03383	402.21862	201.61295	134.74439	G	3518.62026	1759.81377	1173.54494	33
3	120.08078	549.28703	275.14715	183.76719	F	3461.59880	1731.30304	1154.53778	32
4	72.08078	648.35544	324.68136	216.79000	V	3314.53038	1657.76883	1105.51498	31
5	101.07094	776.41402	388.71065	259.47619	Q	3215.46197	1608.23462	1072.49217	30
6	30.03383	833.43548	417.22138	278.48335	G	3087.40339	1544.20533	1029.80598	29
7	102.05496	962.47808	481.74268	321.49754	E	3030.38193	1515.69460	1010.79883	28
8	30.03383	1019.49954	510.25341	340.50470	G	2901.33933	1451.17331	967.78463	27
9	74.06004	1120.54722	560.77725	374.18726	T	2844.31787	1422.66257	948.77747	26
10	120.04776	1267.58262	634.29495	423.19906	M-Oxidation	2743.27019	1372.13873	915.09491	25
11	72.08078	1366.65103	683.82915	456.22186	V	2596.23479	1298.62103	866.08312	24
12	70.06513	1463.70380	732.35554	488.57278	P	2497.16638	1249.08683	833.06031	23
13	72.08078	1562.77221	781.88974	521.59559	V	2400.11361	1200.56045	800.70939	22
14	30.03383	1619.79367	810.40048	540.60274	G	2301.04520	1151.02624	767.68658	21
15	101.07094	1747.85225	874.42976	583.28893	Q	2244.02374	1122.51551	748.67943	20
16	60.04439	1834.88428	917.94578	612.29961	S	2115.96516	1058.48622	705.99324	19
17	72.08078	1933.95269	967.47999	645.32242	V	2028.93313	1014.97020	676.98256	18
18	72.08078	2033.02111	1017.01419	678.34522	V	1929.86472	965.43600	643.95976	17
19	181.06077	2241.06951	1121.03840	747.69469	Y-Nitro	1830.79630	915.90179	610.93695	16
20	44.04948	2312.10663	1156.55695	771.37373	A	1622.74790	811.87759	541.58748	15
21	133.04301	2472.13728	1236.57228	824.71728	C-Carbamidomethyl	1551.71078	776.35903	517.90845	14
22	88.03930	2587.16422	1294.08575	863.05959	D	1391.68013	696.34371	464.56490	13
23	102.05496	2716.20681	1358.60704	906.07379	E	1276.65319	638.83023	426.22258	12
24	30.03383	2773.22828	1387.11778	925.08094	G	1147.61060	574.30894	383.20838	11
25	136.07569	2936.29160	1468.64944	979.43539	Y	1090.58914	545.79821	364.20123	10
26	60.04439	3023.32363	1512.16545	1008.44606	S	927.52581	464.26654	309.84679	9
27	86.09643	3136.40770	1568.70749	1046.14075	L	840.49378	420.75053	280.83611	8
28	86.09643	3249.49176	1625.24952	1083.83544	I	727.40971	364.20850	243.14142	7
29	30.03383	3306.51322	1653.76025	1102.84259	G	614.32565	307.66646	205.44673	6
30	88.03930	3421.54017	1711.27372	1141.18491	D	557.30419	279.15573	186.43958	5
31	70.06513	3518.59293	1759.80010	1173.53583	P	442.27724	221.64226	148.09727	4
32	72.08078	3617.66134	1809.33431	1206.55863	V	345.22448	173.11588	115.74634	3
33	44.04948	3688.69846	1844.85287	1230.23767	A	246.15607	123.58167	82.72354	2
34	129.11347				R	175.11895	88.06311	59.04450	1

JM_NDplasmaBVM_TMT_Fr1.raw #77718 RT: 255.2124 min
 FTMS, 1287.2883@hcd35.00, z=+3, Mono m/z=1287.2883 Da, MH+=3859.85044 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H

— y , $y - H_2O$, $y - NH_3$

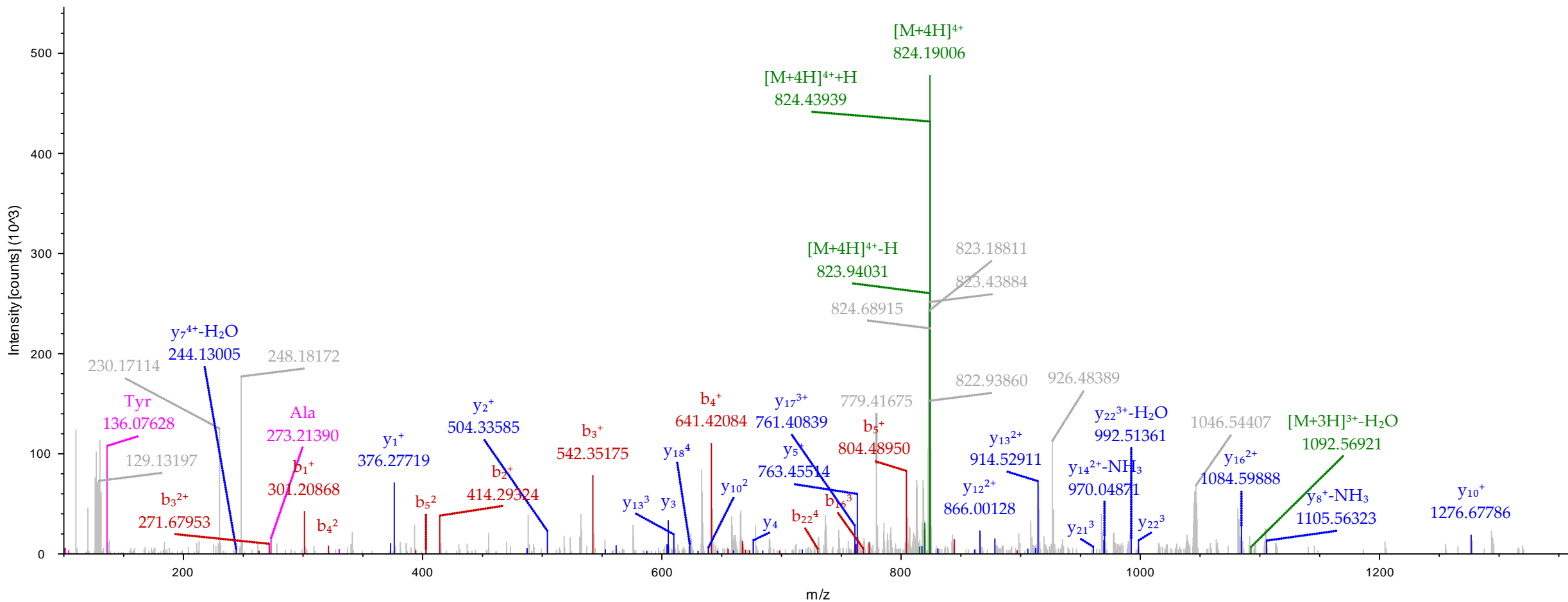
— Immonium

— b , $b - H_2O$, $b - NH_3$

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	362.20594	390.20086	195.60407	130.73847	98.30567	78.84599	C-TMT6plex-Carbamidomethyl						37
2	30.03383	447.22232	224.11480	149.74562	112.56104	90.25029	G	4679.29036	2340.14882	1560.43497	1170.57805	936.66389	36
3	70.06513	544.27508	272.64118	182.09655	136.82423	109.66084	P	4622.26890	2311.63809	1541.42782	1156.32268	925.25960	35
4	70.06513	641.32785	321.16756	214.44747	161.08742	129.07139	P	4525.21613	2263.11170	1509.07690	1132.05949	905.84905	34
5	70.06513	738.38061	369.69394	246.79839	185.35061	148.48194	P	4428.16337	2214.58532	1476.72597	1107.79630	886.43850	33
6	70.06513	835.43338	418.22033	279.14931	209.61380	167.89250	P	4331.11060	2166.05894	1444.37505	1083.53311	867.02794	32
7	86.09643	948.51744	474.76236	316.84400	237.88482	190.50931	I	4234.05784	2117.53256	1412.02413	1059.26992	847.61739	31
8	88.03930	1063.54438	532.27583	355.18631	266.64155	213.51470	D	4120.97378	2060.99053	1374.32944	1030.99890	825.00058	30
9	87.05529	1177.58731	589.29729	393.20062	295.15229	236.32328	N	4005.94683	2003.47706	1335.98713	1002.24217	801.99519	29
10	30.03383	1234.60877	617.80803	412.20778	309.40765	247.72758	G	3891.90391	1946.45559	1297.97282	973.73143	779.18660	28
11	88.03930	1349.63572	675.32150	450.55009	338.16439	270.73296	D	3834.88244	1917.94486	1278.96567	959.47607	767.78231	27
12	86.09643	1462.71978	731.86353	488.24478	366.43540	293.34978	I	3719.85550	1860.43139	1240.62335	930.71933	744.77692	26
13	74.06004	1563.76746	782.38737	521.92734	391.69732	313.55931	T	3606.77144	1803.88936	1202.92866	902.44832	722.16011	25
14	60.04439	1650.79949	825.90338	550.93801	413.45533	330.96572	S	3505.72376	1753.36552	1169.24610	877.18640	701.95057	24
15	86.09643	1763.88355	882.44541	588.63270	441.72635	353.58253	L	3418.69173	1709.84950	1140.23543	855.42839	684.54417	23
16	60.04439	1850.91558	925.96143	617.64338	463.48435	370.98894	S	3305.60767	1653.30747	1102.54074	827.15737	661.92735	22
17	86.09643	1963.99964	982.50346	655.33807	491.75537	393.60575	L	3218.57564	1609.79146	1073.53006	805.39937	644.52095	21
18	70.06513	2061.05241	1031.02984	687.68899	516.01856	413.01630	P	3105.49157	1553.24942	1035.83538	777.12835	621.90414	20
19	102.05496	2190.09500	1095.55114	730.70318	548.27921	438.82482	E	3008.43881	1504.72304	1003.48445	752.86516	602.49358	19
20	136.07569	2353.15833	1177.08280	785.05763	589.04504	471.43749	Y	2879.39622	1440.20175	960.47026	720.60451	576.68506	18
21	102.05496	2482.20092	1241.60410	828.07183	621.30569	497.24601	E	2716.33289	1358.67008	906.11581	679.83868	544.07240	17
22	70.06513	2579.25369	1290.13048	860.42275	645.56888	516.65656	P	2587.29030	1294.14879	863.10162	647.57803	518.26388	16
23	120.08078	2726.32210	1363.66469	909.44555	682.33598	546.07024	F	2490.23753	1245.62240	830.75069	623.31484	498.85333	15
24	60.04439	2813.35413	1407.18070	938.45623	704.09399	563.47665	S	2343.16912	1172.08820	781.72789	586.54774	469.43964	14
25	60.04439	2900.38616	1450.69672	967.46690	725.85200	580.88305	S	2256.13709	1128.57218	752.71721	564.78973	452.03324	13
26	72.08078	2999.45457	1500.23092	1000.48971	750.61910	600.69674	V	2169.10506	1085.05617	723.70654	543.03172	434.62683	12
27	88.03930	3114.48151	1557.74439	1038.83202	779.37584	623.70212	D	2070.03665	1035.52196	690.68373	518.26462	414.81315	11
28	181.06077	3322.52992	1661.76860	1108.18149	831.38794	665.31181	Y-Nitro	1955.00970	978.00849	652.34142	489.50788	391.80776	10
29	101.07094	3450.58850	1725.79789	1150.86768	863.40258	690.92352	Q	1746.96130	873.98429	582.99195	437.49578	350.19808	9
30	133.04301	3610.61915	1805.81321	1204.21123	903.41024	722.92965	C-Carbamidomethyl	1618.90272	809.95500	540.30576	405.48114	324.58637	8
31	101.07094	3738.67772	1869.84250	1246.89743	935.42489	748.54137	Q	1458.87207	729.93967	486.96221	365.47348	292.58024	7
32	330.27026	4095.93562	2048.47145	1365.98339	1024.73936	819.99294	K-TMT6plex	1330.81349	665.91039	444.27602	333.45883	266.96852	6
33	181.06077	4303.98402	2152.49565	1435.33286	1076.75146	861.60263	Y-Nitro	973.55560	487.28144	325.19005	244.14436	195.51694	5
34	136.07569	4467.04735	2234.02731	1489.68730	1117.51730	894.21529	Y	765.50719	383.25723	255.84058	192.13226	153.90726	4
35	86.09643	4580.13142	2290.56935	1527.38199	1145.78831	916.83210	L	602.44386	301.72557	201.48614	151.36642	121.29459	3
36	86.09643	4693.21548	2347.11138	1565.07668	1174.05933	939.44892	L	489.35980	245.18354	163.79145	123.09541	98.67778	2
37	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	273.21241	301.20732	151.10730	101.07396	76.05729	A-TMT6plex					23
2	86.09643	414.29139	207.64933	138.76865	104.32830	I	2993.54428	1497.27578	998.51961	749.14153	22
3	101.07094	542.34996	271.67862	181.45484	136.34295	Q	2880.46021	1440.73375	960.82492	720.87051	21
4	72.08078	641.41838	321.21283	214.47764	161.11005	V	2752.40164	1376.70446	918.13873	688.85587	20
5	136.07569	804.48171	402.74449	268.83209	201.87588	Y	2653.33322	1327.17025	885.11593	664.08876	19
6	181.06077	1012.53011	506.76869	338.18156	253.88799	Y-Nitro	2490.26989	1245.63859	830.76148	623.32293	18
7	87.05529	1126.57304	563.79016	376.19586	282.39872	N	2282.22149	1141.61438	761.41201	571.31083	17
8	70.06513	1223.62580	612.31654	408.54679	306.66191	P	2168.17856	1084.59292	723.39770	542.80010	16
9	88.03930	1338.65275	669.83001	446.88910	335.41864	D	2071.12580	1036.06654	691.04678	518.53691	15
10	101.07094	1466.71132	733.85930	489.57529	367.43329	Q	1956.09885	978.55306	652.70447	489.78017	14
11	70.06513	1563.76409	782.38568	521.92621	391.69648	P	1828.04028	914.52378	610.01828	457.76553	13
12	70.06513	1660.81685	830.91206	554.27714	415.95967	P	1730.98751	865.99739	577.66736	433.50234	12
13	330.27026	2018.07475	1009.54101	673.36310	505.27414	K-TMT6plex	1633.93475	817.47101	545.31643	409.23914	11
14	70.06513	2115.12751	1058.06739	705.71402	529.53734	P	1276.67685	638.84206	426.23047	319.92467	10
15	30.03383	2172.14897	1086.57813	724.72118	543.79270	G	1179.62409	590.31568	393.87955	295.66148	9
16	104.05285	2303.18946	1152.09837	768.40134	576.55282	M	1122.60263	561.80495	374.87239	281.40611	8
17	86.09643	2416.27352	1208.64040	806.09603	604.82384	I	991.56214	496.28471	331.19223	248.64599	7
18	88.03930	2531.30047	1266.15387	844.43834	633.58057	D	878.47808	439.74268	293.49754	220.37498	6
19	60.04439	2618.33249	1309.66989	873.44902	655.33858	S	763.45113	382.22921	255.15523	191.61824	5
20	44.04948	2689.36961	1345.18844	897.12805	673.09786	A	676.41911	338.71319	226.14455	169.86023	4
21	74.06004	2790.41729	1395.71228	930.81061	698.35978	T	605.38199	303.19463	202.46552	152.10096	3
22	101.07094	2918.47586	1459.74157	973.49681	730.37442	Q	504.33431	252.67080	168.78296	126.83904	2
23	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

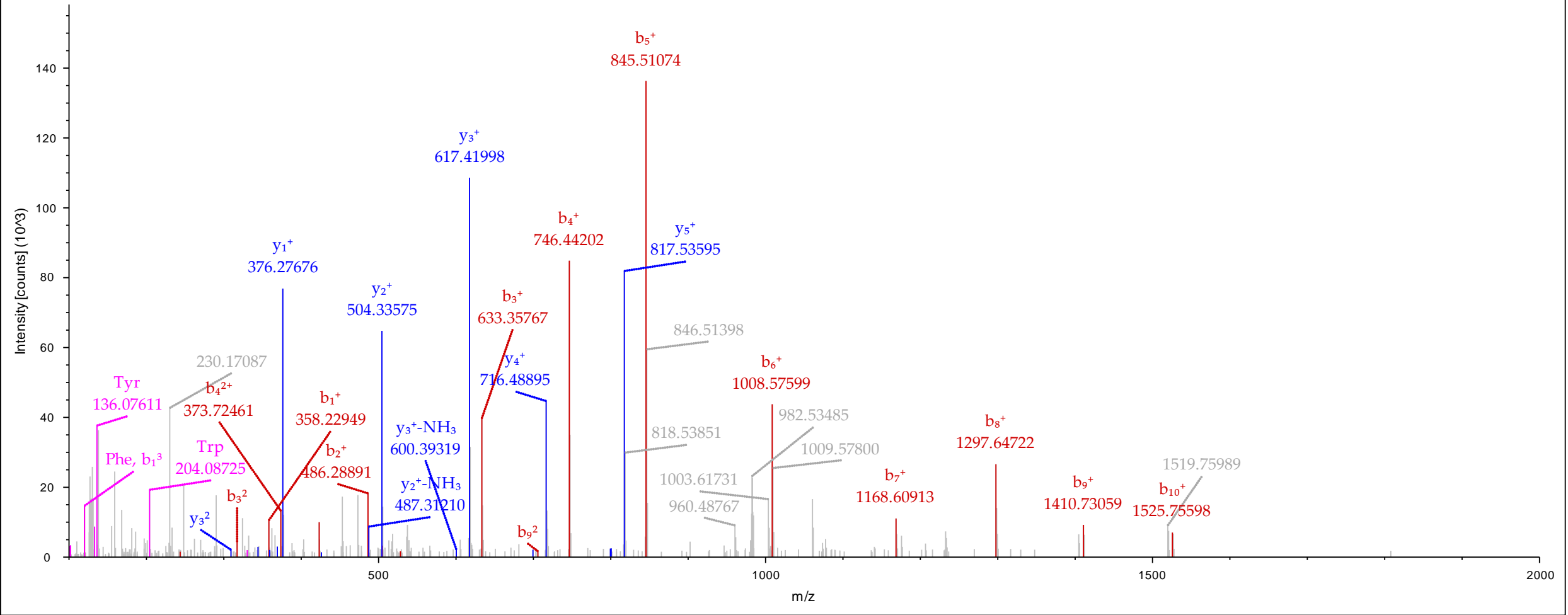
JM_NDplasmaBVM_TMT_Fr3.raw #45475 RT: 152.9211 min
 FTMS, 823.9337@hcd35.00, z=+4, Mono m/z=823.93372 Da, MH+=3292.71303 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H
— y, y-H₂O, y-NH₃
— Immonium
— b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	Seq.	y ⁺	y ²⁺	y ³⁺	#2
1	330.23387	358.22879	179.61803	120.08111	Q-TMT6plex				21
2	101.07094	486.28736	243.64732	162.76731	Q	2588.26525	1294.63627	863.42660	20
3	120.08078	633.35578	317.18153	211.79011	F	2460.20668	1230.60698	820.74041	19
4	86.09643	746.43984	373.72356	249.48480	L	2313.13826	1157.07277	771.71761	18
5	72.08078	845.50826	423.25777	282.50760	V	2200.05420	1100.53074	734.02292	17
6	136.07569	1008.57158	504.78943	336.86205	Y	2100.98578	1050.99653	701.00011	16
7	133.04301	1168.60223	584.80475	390.20560	C-Carbamidomethyl	1937.92246	969.46487	646.64567	15
8	102.05496	1297.64483	649.32605	433.21979	E	1777.89181	889.44954	593.30212	14
9	86.09643	1410.72889	705.86808	470.91448	I	1648.84921	824.92825	550.28792	13
10	88.03930	1525.75583	763.38155	509.25680	D	1535.76515	768.38621	512.59323	12
11	30.03383	1582.77730	791.89229	528.26395	G	1420.73821	710.87274	474.25092	11
12	60.04439	1669.80932	835.40830	557.27463	S	1363.71674	682.36201	455.24377	10
13	30.03383	1726.83079	863.91903	576.28178	G	1276.68472	638.84600	426.23309	9
14	87.05529	1840.87372	920.94050	614.29609	N	1219.66325	610.33526	407.22594	8
15	30.03383	1897.89518	949.45123	633.30324	G	1105.62032	553.31380	369.21163	7
16	204.07675	2128.95957	1064.98342	710.32471	W-Nitro	1048.59886	524.80307	350.20447	6
17	74.06004	2230.00725	1115.50726	744.00727	T	817.53447	409.27087	273.18301	5
18	72.08078	2329.07566	1165.04147	777.03007	V	716.48679	358.74703	239.50045	4
19	86.09643	2442.15973	1221.58350	814.72476	L	617.41838	309.21283	206.47764	3
20	101.07094	2570.21830	1285.61279	857.41095	Q	504.33431	252.67080	168.78296	2
21	330.27026				K-TMT6plex	376.27574	188.64151	126.09676	1

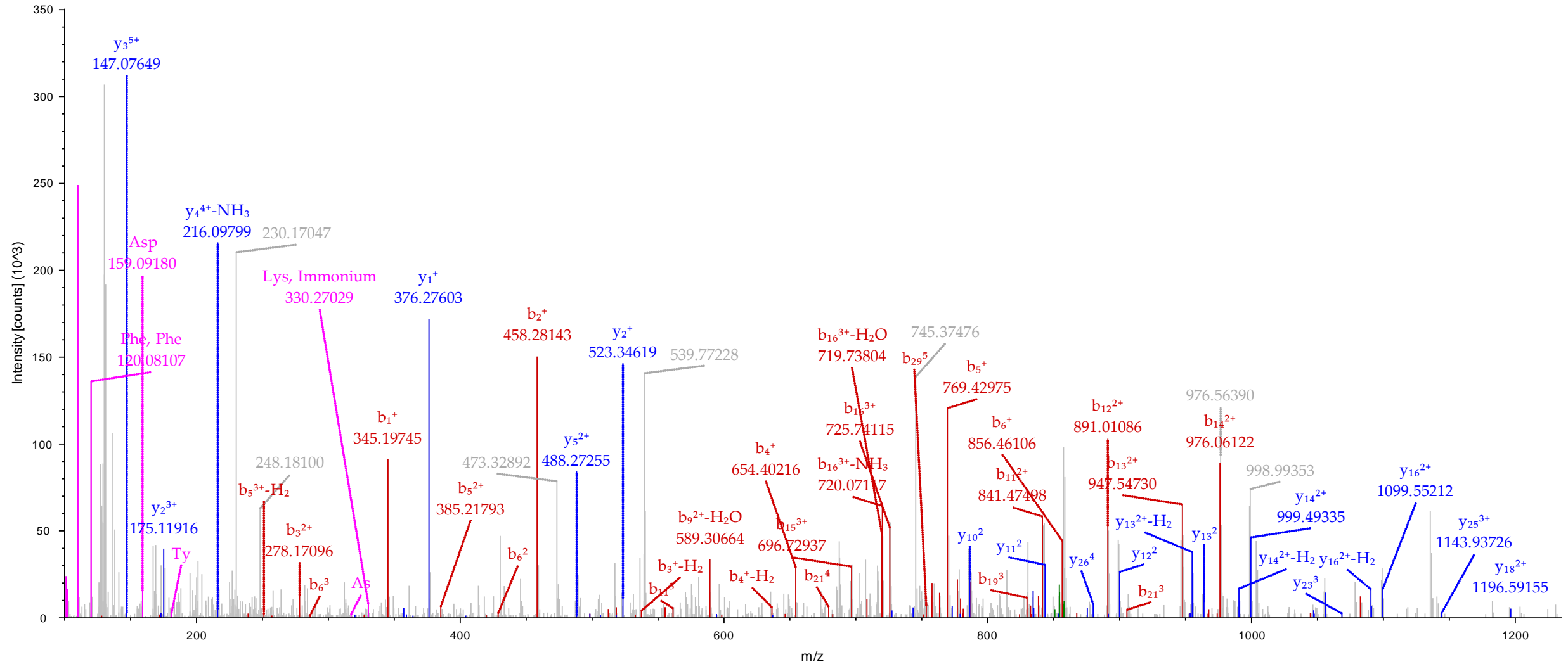
JM_NDplasmaBVM_TMT_NoFrac.raw #125751 RT: 338.5466 min
FTMS, 983.1763@hcd35.00, z=+3, Mono m/z=982.53516 Da, MH+=2945.59092 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor- H_2O , Precursor- H_2O-NH_3 , Precursor- NH_3 , Pre-H — Immonium
— y , $y-H_2O$, $y-NH_3$ — b , $b-H_2O$, $b-NH_3$

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	b ⁵⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	y ⁵⁺	#2
1	317.20224	345.19715	173.10221	115.73723	87.05475	69.84525	D-TMT6plex						31
2	86.09643	458.28122	229.64425	153.43192	115.32576	92.46206	I	3941.04854	1971.02791	1314.35436	986.01759	789.01553	30
3	70.06513	555.33398	278.17063	185.78284	139.58895	111.87262	P	3827.96447	1914.48588	1276.65968	957.74658	766.39872	29
4	72.08078	654.40239	327.70483	218.80565	164.35606	131.68630	V	3730.91171	1865.95949	1244.30875	933.48338	746.98816	28
5	88.03930	769.42934	385.21831	257.14796	193.11279	154.69169	D	3631.84330	1816.42529	1211.28595	908.71628	727.17448	27
6	60.04439	856.46136	428.73432	286.15864	214.87080	172.09809	S	3516.81635	1758.91181	1172.94364	879.95955	704.16909	26
7	70.06513	953.51413	477.26070	318.50956	239.13399	191.50865	P	3429.78432	1715.39580	1143.93296	858.20154	686.76269	25
8	102.05496	1082.55672	541.78200	361.52376	271.39464	217.31717	E	3332.73156	1666.86942	1111.58204	833.93835	667.35213	24
9	86.09643	1195.64079	598.32403	399.21845	299.66565	239.93398	L	3203.68897	1602.34812	1068.56784	801.67770	641.54361	23
10	330.27026	1552.89868	776.95298	518.30441	388.98013	311.38556	K-TMT6plex	3090.60490	1545.80609	1030.87315	773.40668	618.92680	22
11	102.05496	1681.94127	841.47427	561.31861	421.24078	337.19408	E	2733.34701	1367.17714	911.78719	684.09221	547.47522	21
12	72.08078	1781.00969	891.00848	594.34141	446.00788	357.00776	V	2604.30442	1302.65585	868.77299	651.83156	521.66670	20
13	86.09643	1894.09375	947.55051	632.03610	474.27890	379.62457	I	2505.23600	1253.12164	835.75019	627.06446	501.85302	19
14	30.03383	1951.11521	976.06125	651.04326	488.53426	391.02886	G	2392.15194	1196.57961	798.05550	598.79344	479.23621	18
15	110.07127	2088.17413	1044.59070	696.72956	522.79899	418.44065	H	2335.13047	1168.06888	779.04834	584.53808	467.83192	17
16	60.04439	2175.20615	1088.10672	725.74024	544.55700	435.84705	S	2198.07156	1099.53942	733.36204	550.27335	440.42013	16
17	86.09643	2288.29022	1144.64875	763.43492	572.82801	458.46387	I	2111.03953	1056.02341	704.35136	528.51534	423.01373	15
18	44.04948	2359.32733	1180.16730	787.11396	590.58729	472.67129	A	1997.95547	999.48137	666.65667	500.24433	400.39692	14
19	101.07094	2487.38591	1244.19659	829.80015	622.60193	498.28300	Q	1926.91836	963.96282	642.97764	482.48505	386.18949	13
20	86.09643	2600.46997	1300.73863	867.49484	650.87295	520.89982	L	1798.85978	899.93353	600.29144	450.47040	360.57778	12
21	87.05529	2714.51290	1357.76009	905.50915	679.38368	543.70840	N	1685.77572	843.39150	562.59676	422.19939	337.96096	11
22	74.06004	2815.56058	1408.28393	939.19171	704.64560	563.91794	T	1571.73279	786.37003	524.58245	393.68865	315.15238	10
23	102.05496	2944.60317	1472.80522	982.20591	736.90625	589.72646	E	1470.68511	735.84619	490.89989	368.42673	294.94284	9
24	87.05529	3058.64610	1529.82669	1020.22022	765.41698	612.53504	N	1341.64252	671.32490	447.88569	336.16609	269.13432	8
25	88.03930	3173.67304	1587.34016	1058.56253	794.17372	635.54043	D	1227.59959	614.30343	409.87138	307.65535	246.32574	7
26	110.07127	3310.73195	1655.86962	1104.24884	828.43845	662.95221	H	1112.57265	556.78996	371.52907	278.89862	223.32035	6
27	70.06513	3407.78472	1704.39600	1136.59976	852.70164	682.36277	P	975.51373	488.26051	325.84276	244.63389	195.90857	5
28	120.08078	3554.85313	1777.93020	1185.62256	889.46874	711.77645	F	878.46097	439.73412	293.49184	220.37070	176.49802	4
29	181.06077	3762.90154	1881.95441	1254.97203	941.48084	753.38613	Y-Nitro	731.39256	366.19992	244.46904	183.60360	147.08433	3
30	120.08078	3909.96995	1955.48861	1303.99484	978.24795	782.79981	F	523.34415	262.17571	175.11957	131.59150	105.47465	2
31	330.27026						K-TMT6plex	376.27574	188.64151	126.09676	94.82439	76.06097	1

JMR_Mouse_Marfan_TMT_Fr3_191002102636.raw #64866 RT: 222.0687 min
 FTMS, 858.0629@hcd30.00, z=+5, Mono m/z=857.46008 Da, MH+=4283.27131 Da, Match Tol.=0.02 Da

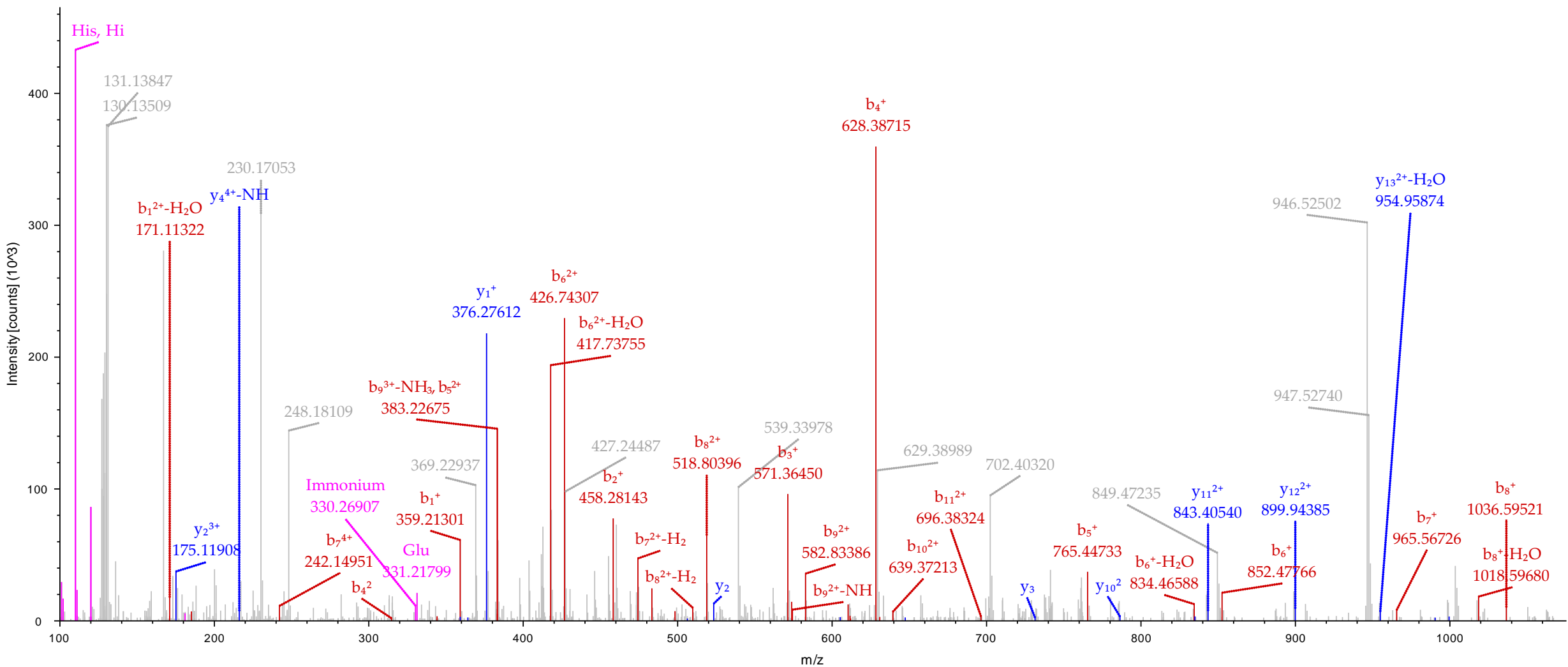


Pre-H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H Immonium

y, y-H₂O, y-NH₃ b, b-H₂O, b-NH₃

#1	Immonium	b ⁺	b ²⁺	b ³⁺	b ⁴⁺	Seq.	y ⁺	y ²⁺	y ³⁺	y ⁴⁺	#2
1	331.21789	359.21280	180.11004	120.40912	90.55866	E-TMT6plex					21
2	72.08078	458.28122	229.64425	153.43192	115.32576	V	2604.30442	1302.65585	868.77299	651.83156	20
3	86.09643	571.36528	286.18628	191.12661	143.59678	L	2505.23600	1253.12164	835.75019	627.06446	19
4	30.03383	628.38674	314.69701	210.13377	157.85214	G	2392.15194	1196.57961	798.05550	598.79344	18
5	110.07127	765.44565	383.22647	255.82007	192.11687	H	2335.13047	1168.06888	779.04834	584.53808	17
6	60.04439	852.47768	426.74248	284.83075	213.87488	S	2198.07156	1099.53942	733.36204	550.27335	16
7	86.09643	965.56175	483.28451	322.52543	242.14589	I	2111.03953	1056.02341	704.35136	528.51534	15
8	44.04948	1036.59886	518.80307	346.20447	259.90517	A	1997.95547	999.48137	666.65667	500.24433	14
9	101.07094	1164.65744	582.83236	388.89066	291.91982	Q	1926.91836	963.96282	642.97764	482.48505	13
10	86.09643	1277.74150	639.37439	426.58535	320.19083	L	1798.85978	899.93353	600.29144	450.47040	12
11	87.05529	1391.78443	696.39585	464.59966	348.70156	N	1685.77572	843.39150	562.59676	422.19939	11
12	74.06004	1492.83211	746.91969	498.28222	373.96348	T	1571.73279	786.37003	524.58245	393.68865	10
13	102.05496	1621.87470	811.44099	541.29642	406.22413	E	1470.68511	735.84619	490.89989	368.42673	9
14	87.05529	1735.91763	868.46245	579.31073	434.73486	N	1341.64252	671.32490	447.88569	336.16609	8
15	88.03930	1850.94457	925.97592	617.65304	463.49160	D	1227.59959	614.30343	409.87138	307.65535	7
16	110.07127	1988.00348	994.50538	663.33935	497.75633	H	1112.57265	556.78996	371.52907	278.89862	6
17	70.06513	2085.05625	1043.03176	695.69027	522.01952	P	975.51373	488.26051	325.84276	244.63389	5
18	120.08078	2232.12466	1116.56597	744.71307	558.78662	F	878.46097	439.73412	293.49184	220.37070	4
19	181.06077	2440.17307	1220.59017	814.06254	610.79872	Y-Nitro	731.39256	366.19992	244.46904	183.60360	3
20	120.08078	2587.24148	1294.12438	863.08534	647.56583	F	523.34415	262.17571	175.11957	131.59150	2
21	330.27026					K-TMT6plex	376.27574	188.64151	126.09676	94.82439	1

JMR_Mouse_Marfan_TMT_Fr4_191003104527.raw #28073 RT: 106.3681 min
 FTMS, 741.3913@hcd30.00, z=+4, Mono m/z=740.89026 Da, MH+=2960.53921 Da, Match Tol.=0.02 Da



— Pre+H, Precursor, Precursor-H₂O, Precursor-H₂O-NH₃, Precursor-NH₃, Pre-H — Immonium
— y, y-H₂O, y-NH₃ — b, b-H₂O, b-NH₃