

**Supplementary Table 6: HCD identified *Acinetobacter baumannii* (strain 1441 C1) glycopeptides**

Uniprot accession number	protein name	Precursor m/z [Da]	Precursor Charge	Precursor MH+ [Da]	glycan mass	glycan composition	peptide mass	peptide	mascot score	Page
A3M265_ACIBT	Uncharacterized protein [A1S_0556] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)] 313 AA	918.93	4	3672.71	706.30	HexNAc-187-316	2966.41	<sup>108</sup> AAQADKKTEASAAATTEQQDSFDAQVQR <sup>135</sup>	55	8
A3M6D2_ACIBT	Uncharacterized protein [A1S_2049] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	973.45	3	2918.34	1412.58	double glycan; HexNAc-187-316	1505.76	<sup>184</sup> AASEPEQKVEYVR <sup>196</sup>	27	9
A3M6D2_ACIBT	Uncharacterized protein [A1S_2049] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	738.02	3	2212.05	706.29	HexNAc-187-316	1505.76	<sup>184</sup> AASEPEQKVEYVR <sup>196</sup>	35	10
A3M3X9_A_CIBT	OmpA/MotB [A1S_1193] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	1020.47	4	4078.87	2118.88	Triple glycan; HexNAc-187-316	1959.99	<sup>129</sup> AASGVEAAAAPATLTLSTDDK <sup>149</sup>	36	11
A3M3X9_A_CIBT	OmpA/MotB [A1S_1193] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	889.43	3	2666.28	706.30	HexNAc-187-316	1959.99	<sup>129</sup> AASGVEAAAAPATLTLSTDDK <sup>149</sup>	63	12
A3M3X9_A_CIBT	OmpA/MotB [A1S_1193] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	843.90	4	3372.58	1412.59	double glycan; HexNAc-187-316	1959.99	<sup>129</sup> AASGVEAAAAPATLTLSTDDK <sup>149</sup>	90	13
A3M796_ACIBT	Uncharacterized protein [A1S_2371] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	1665.25	2	3329.50	1412.58	double glycan; HexNAc-187-316	1916.92	<sup>82</sup> AEDQNADSGIAASTPVATAK <sup>101</sup>	58	14
A3M265_ACIBT	Uncharacterized protein [A1S_0556] [ <i>Acinetobacter baumannii</i> (strain ATCC 17978 / NCDC KC 755)]	1030.15	3	3088.45	2118.88	Triple glycan; HexNAc-187-316	969.57	<sup>301</sup> AKPASTPAVK <sup>310</sup>	26	15

A3M265_ ACIBT	Uncharacterized protein [A1S_0556] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	794.72	3	2382.15	1412.58	double glycan; HexNAc-187-316	969.57	<sup>301</sup> AKPASTPAVK <sup>310</sup>	38	16
A7FB11_ ACIBT	Uncharacterized protein [A1S_3744] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1025.16	3	3073.46	706.29	HexNAc-187-316	2367.17	<sup>29</sup> EEEQDKVETAVSEPQPQKPAK <sup>49</sup>	43	17
A3M1A0_ ACIBT	Ammonium transport protein (Amt family) [A1S_0219] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1346.13	4	5381.51	1412.58	double glycan; HexNAc-187-316	3968.93	<sup>23</sup> EETVTTPTSEVTATSTSEAPATIAAAPAAEETPAAPTF	54	18
A7FB11_ ACIBT	Uncharacterized protein [A1S_3744] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	882.93	4	3528.70	706.30	HexNAc-187-316	2822.41	<sup>25</sup> ETPKEEEQDKVETAVSEPQPQKPAK <sup>49</sup>	32	19
A7FB63_ ACIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1040.46	3	3119.37	1412.59	double glycan; HexNAc-187-316	1706.78	<sup>50</sup> GDQAASDIATATDNASAK <sup>67</sup>	88	20
A3M9I2_ ACIBT	Putative membrane protein [A1S_3179] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1388.66	4	5551.64	1412.59	double glycan; HexNAc-187-316	4139.04	<sup>48</sup> IIQQQAQASKPQINSQAASSVTPQTQVANDMAD	32	21
A3M9I2_ ACIBT	Putative membrane protein [A1S_3179] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1212.09	4	4845.34	706.30	HexNAc-187-316	4139.04	<sup>48</sup> IIQQQAQASKPQINSQAASSVTPQTQVANDMAD	67	22
A3M9I2_ ACIBT	Putative membrane protein [A1S_3179] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	973.07	5	4861.33	706.29	HexNAc-187-316	4155.04	<sup>48</sup> IIQQQAQASKPQINSQAASSVTPQTQVANDM(+)	50	23
A3M6D2_ ACIBT	Uncharacterized protein [A1S_2049] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	695.66	3	2084.98	706.29	HexNAc-187-316	1378.68	<sup>183</sup> KAASEPEQKVEY <sup>194</sup>	29	24

A7FB9_A CIBT	Uncharacterized protein [A1S_3682] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	866.40	3	2597.20	706.29	HexNAc-187- 316	1890.90	<sup>23</sup> KEEATQAGQDAASTAVADK <sup>41</sup>	126	25
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	900.42	3	2699.24	706.29	HexNAc-187- 316	1992.95	<sup>47</sup> KSAGDQAASDIATATDNASAK <sup>67</sup>	153	26
A3M265_ ACIBT	Uncharacterized protein [A1S_0556] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1030.14	3	3088.41	706.29	HexNAc-187- 316	2382.12	<sup>114</sup> KTEASAAATTEQQDSFDAQVQR <sup>135</sup>	110	27
A3M265_ ACIBT	Uncharacterized protein [A1S_0556] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	924.77	3	2772.29	390.17	HexNAc-187	2382.12	<sup>114</sup> KTEASAAATTEQQDSFDAQVQR <sup>135</sup>	130	28
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	725.63	3	2174.87	706.29	HexNAc-187- 316	1468.58	<sup>19</sup> NDGMHEASDPATSH <sup>32</sup>	64	29
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	763.97	3	2289.90	706.30	HexNAc-187- 316	1583.60	<sup>19</sup> NDGMHEASDPATSHD <sup>33</sup>	36	30
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1359.22	3	4075.66	2118.88	Triple glycan; HexNAc-187- 316	1956.78	<sup>19</sup> NDGMHEASDPATSHDMNK <sup>36</sup>	48	31
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1123.79	3	3369.37	1412.59	double glycan; HexNAc-187- 316	1956.78	<sup>19</sup> NDGMHEASDPATSHDMNK <sup>36</sup>	82	32
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	888.36	3	2663.07	706.29	HexNAc-187- 316	1956.78	<sup>19</sup> NDGMHEASDPATSHDMNK <sup>36</sup>	110	33
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	893.69	3	2679.07	706.29	HexNAc-187- 316	1972.78	<sup>19</sup> NDGM(+16)HEASDPATSHDMNK <sup>36</sup>	56	34

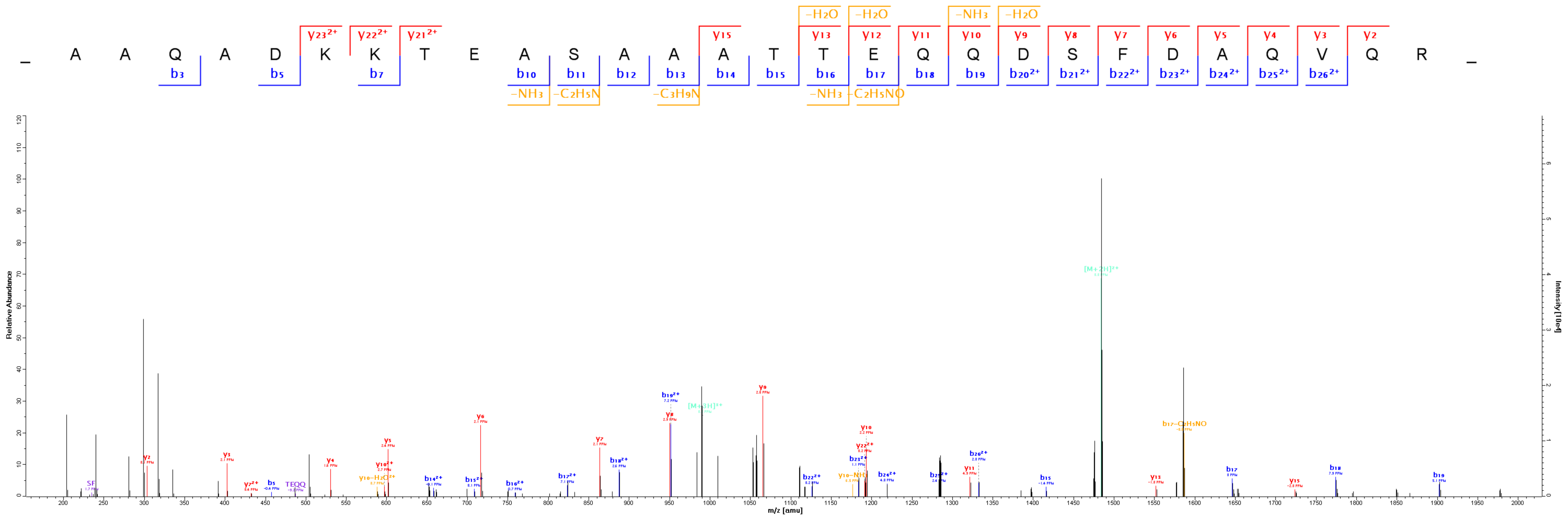
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1129.12	3	3385.36	1412.58	double glycan; HexNAc-187- 316	1972.78	<sup>19</sup> NDGM(+16)HEASDPATSHDMNK <sup>36</sup>	64	35
A3M954_ ACIBT	Uncharacterized protein [A1S_3051] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1034.12	3	3100.35	706.30	HexNAc-187- 316	2394.06	<sup>333</sup> NEGSAELDELFDGGAASEAPADTK <sup>356</sup>	145	36
A7FB95_A CIBT	Uncharacterized protein [A1S_3658] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	998.09	3	2992.25	706.29	HexNAc-187- 316	2285.95	<sup>16</sup> NSKNDGMHEASDPATSHDMNK <sup>36</sup>	65	37
N9KY37_A CIBA	Uncharacterized protein [F913_02548] [Acinetobacter baumannii NIPH 80]	1337.57	3	4010.69	2118.88	Triple glycan; HexNAc-187- 316	1891.82	<sup>62</sup> NTDVVEGSTASESAASETH <sup>80</sup>	26	38
N9KY37_A CIBA	Uncharacterized protein [F913_02548] [Acinetobacter baumannii NIPH 80]	1652.71	2	3304.41	1412.59	double glycan; HexNAc-187- 316	1891.82	<sup>62</sup> NTDVVEGSTASESAASETH <sup>80</sup>	85	39
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	983.11	3	2947.32	1412.58	double glycan; HexNAc-187- 316	1534.73	<sup>52</sup> QAASDIATATDNASAK <sup>67</sup>	86	40
A3M160_ ACIBT	Uncharacterized protein [A1S_0171] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1012.74	3	3036.21	706.30	HexNAc-187- 316	2329.91	<sup>49</sup> QMMESHEQMNHAEHSSSAQ <sup>68</sup>	73	41
N9IX31_A CIBA	Uncharacterized protein [F920_00864] [Acinetobacter baumannii NIPH 335]	1017.47	3	3050.39	706.30	HexNAc-187- 316	2344.09	<sup>50</sup> QVVQQDEQSVESAAQPQTSP <sup>71</sup>	68	42
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1050.45	3	3149.34	1412.58	double glycan; HexNAc-187- 316	1736.76	<sup>48</sup> SAGDQAASDIATATDNASA <sup>66</sup>	98	43
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	752.34	3	2255.02	390.17	HexNAc-187	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	80	44

A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	823.87	4	3292.45	1427.60	HexNAc-187- 316-HexNAc- 187-332	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	85	45
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	996.69	4	3983.73	2118.88	Triple glycan; HexNAc-187- 316	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	90	46
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1034.47	2	2067.94	203.09	HexNAc	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	92	47
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	987.78	3	2961.31	1096.46	HexNAc-187- 316-HexNAc- 187	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	102	48
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	843.72	3	2529.14	664.29	HexNAc-145- 316	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	98	49
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1639.22	2	3277.44	1412.58	double glycan; HexNAc-187- 316	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	117	50
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	862.72	3	2586.16	721.31	HexNAc-187- 331	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	124	51
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1286.08	2	2571.15	706.29	HexNAc-187- 316	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	131	52
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	851.71	3	2556.12	691.27	HexNAc-169- 316	1864.85	<sup>48</sup> SAGDQAASDIATATDNASAK <sup>67</sup>	102	53
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1639.72	2	3278.42	1412.59	double glycan; HexNAc-187- 316	1865.84	<sup>48</sup> SAGDQAASDIATATDN(+1)ASAK <sup>67</sup>	107	54

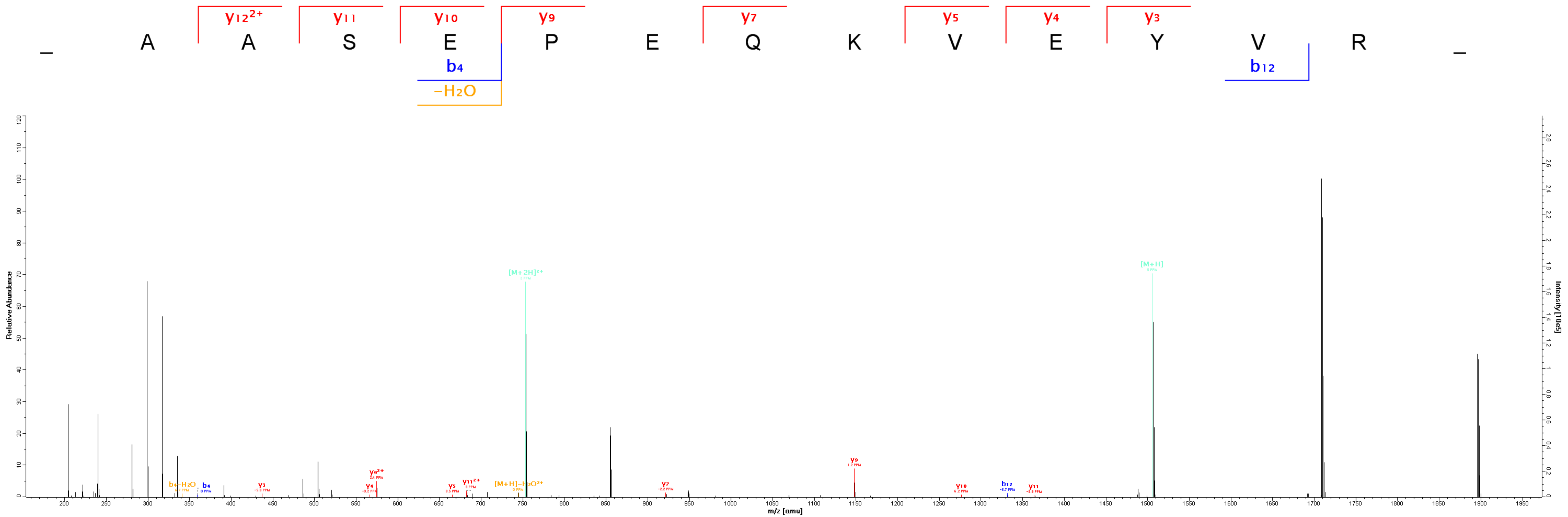
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1286.57	2	2572.13	706.28	HexNAc-187- 316	1865.85	<sup>48</sup> SAGDQAASDIATATDN(+1)ASAK <sup>67</sup>	115	55
A7FB63_A CIBT	Uncharacterized protein [A1S_3626] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	973.95	4	3892.78	706.30	HexNAc-187- 316	3186.48	<sup>48</sup> SAGDQAASDIATATDNASAKIDAAADHAADATAK <sup>81</sup>	47	56
A3M3E7_A CIBT	Putative lipoprotein [A1S_1009] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1398.62	3	4193.84	706.29	HexNAc-187- 316	3487.55	<sup>29</sup> SDASTPVQTAQTNNNEAVDTAHTAENSLDWDGK <sup>61</sup>	64	57
A7FAU3_A CIBT	Uncharacterized protein [A1S_3506] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	817.06	3	2449.18	706.28	HexNAc-187- 316	1742.89	<sup>22</sup> SKKEEAPAAAAASEAVAAA <sup>40</sup>	38	58
A3M3E7_A CIBT	Putative lipoprotein [A1S_1009] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1542.68	3	4626.03	706.30	HexNAc-187- 316	3919.73	<sup>25</sup> TETTSDASTPVQTAQTNNNEAVDTAHTAENSLDWDGK <sup>61</sup>	39	59
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	968.11	3	2902.32	1412.58	double glycan; HexNAc-187- 316	1489.74	<sup>56</sup> TTKPSESSEPVVQT <sup>69</sup>	21	60
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1213.07	2	2425.14	706.29	HexNAc-187- 316	1718.84	<sup>56</sup> TTKPSESSEPVVQTQT <sup>71</sup>	61	61
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	801.37	4	3202.47	1412.59	double glycan; HexNAc-187- 316	1789.88	<sup>56</sup> TTKPSESSEPVVQTQTA <sup>72</sup>	24	62
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1248.59	2	2496.17	706.29	HexNAc-187- 316	1789.88	<sup>56</sup> TTKPSESSEPVVQTQTA <sup>72</sup>	72	63
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	985.13	3	2953.37	706.30	HexNAc-187- 316	2247.07	<sup>56</sup> TTKPSESSEPVVQTQTANSQQ <sup>76</sup>	79	64

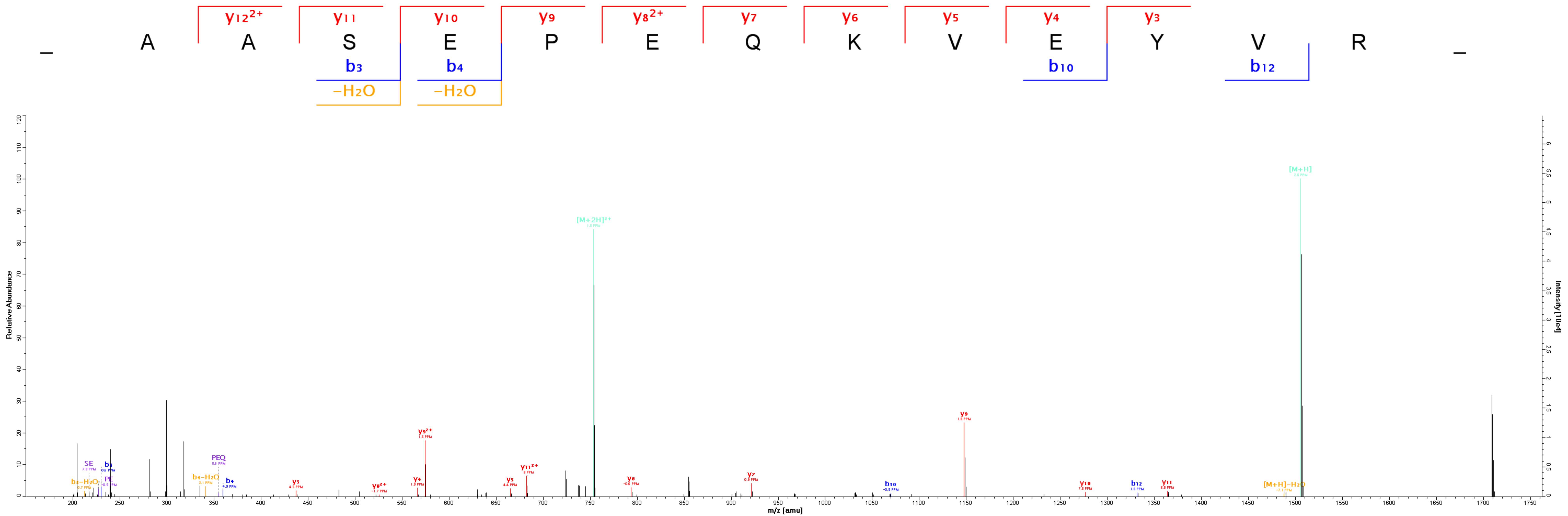
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1291.28	3	3871.81	1412.59	double glycan; HexNAc-187- 316	2459.23	<sup>56</sup> TTKPSESSEPVVQTQTANSQQLV <sup>78</sup>	56	65
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1055.85	3	3165.52	706.30	HexNAc-187- 316	2459.23	<sup>56</sup> TTKPSESSEPVVQTQTANSQQLV <sup>78</sup>	70	66
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1524.06	3	4570.18	1412.59	double glycan; HexNAc-187- 316	3157.59	<sup>56</sup> TTKPSESSEPVVQTQTANSQQLVNEDVLK <sup>84</sup>	43	67
N9KIL3_A CIBA	Uncharacterized protein [F914_00444] [Acinetobacter baumannii NIPH 290]	1288.63	3	3863.89	706.30	HexNAc-187- 316	3157.59	<sup>56</sup> TTKPSESSEPVVQTQTANSQQLVNEDVLK <sup>84</sup>	73	68
BOV6D8_A CIBY	Uncharacterized protein [ABAYE1588] [Acinetobacter baumannii (strain AYE)]	1376.26	3	4126.77	706.29	HexNAc-187- 316	3420.48	<sup>105</sup> VDPSATQDDSSNATSDNTTPASAPAQTTESNK	81	69
A7FBI1_AC IBT	Uncharacterized protein [A1S_3744] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1007.82	3	3021.44	1412.58	double glycan; HexNAc-187- 316	1608.86	<sup>35</sup> VETAVSEPQPQKPAK <sup>49</sup>	34	70
A7FBI1_AC IBT	Uncharacterized protein [A1S_3744] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1084.19	3	3250.55	706.30	HexNAc-187- 316	2544.25	<sup>39</sup> VSEPQPQKPAKFESLESVDTQEA <sup>61</sup>	22	71
A7FB17_A CIBT	Uncharacterized protein [A1S_3580] [Acinetobacter baumannii (strain ATCC 17978 / NCDC KC 755)]	1429.33	3	4285.97	1412.59	double glycan; HexNAc-187- 316	2873.38	<sup>37</sup> VVVSTQEQAANTANAASDAVGSASEAAPATR <sup>66</sup>	105	72

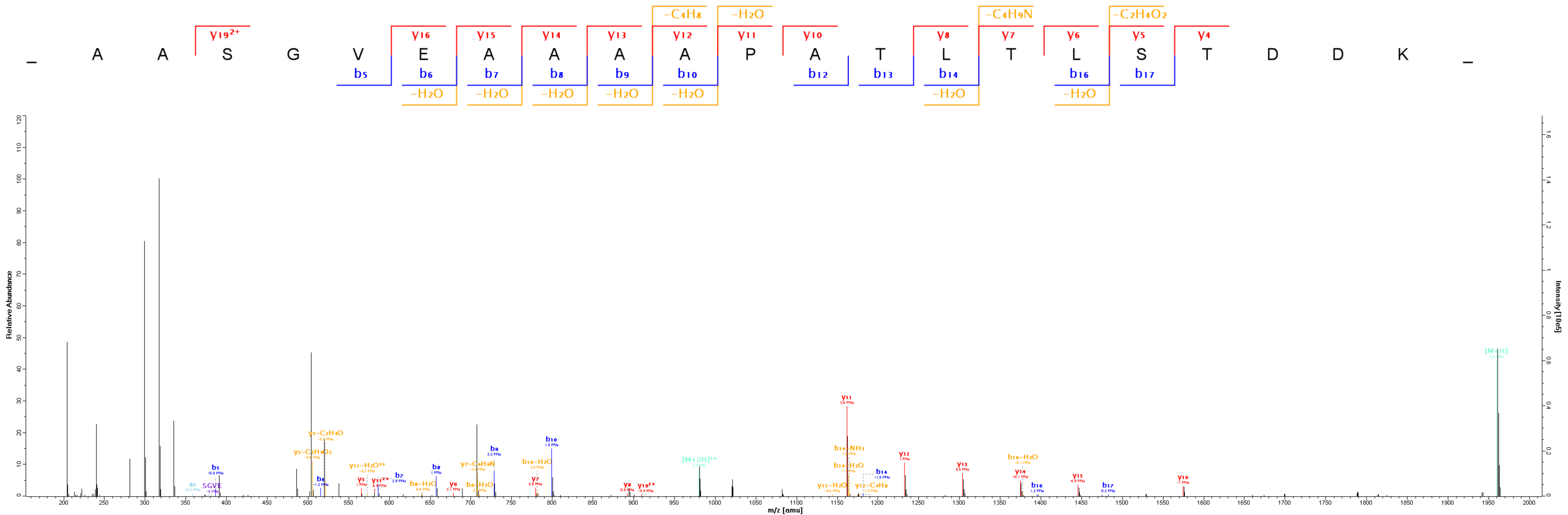
**Supplementary table 6:** Identifications are labeled according to the corresponding Uniprot accession number and protein name. The parent m/z, charge state, deconvoluted mass, glycan mass, glycan composition, peptide mass, peptide sequence and mascot ion score are provided for each identified glycopeptide. All identified glycopeptide HCD spectra are provided and are available on the designated pages

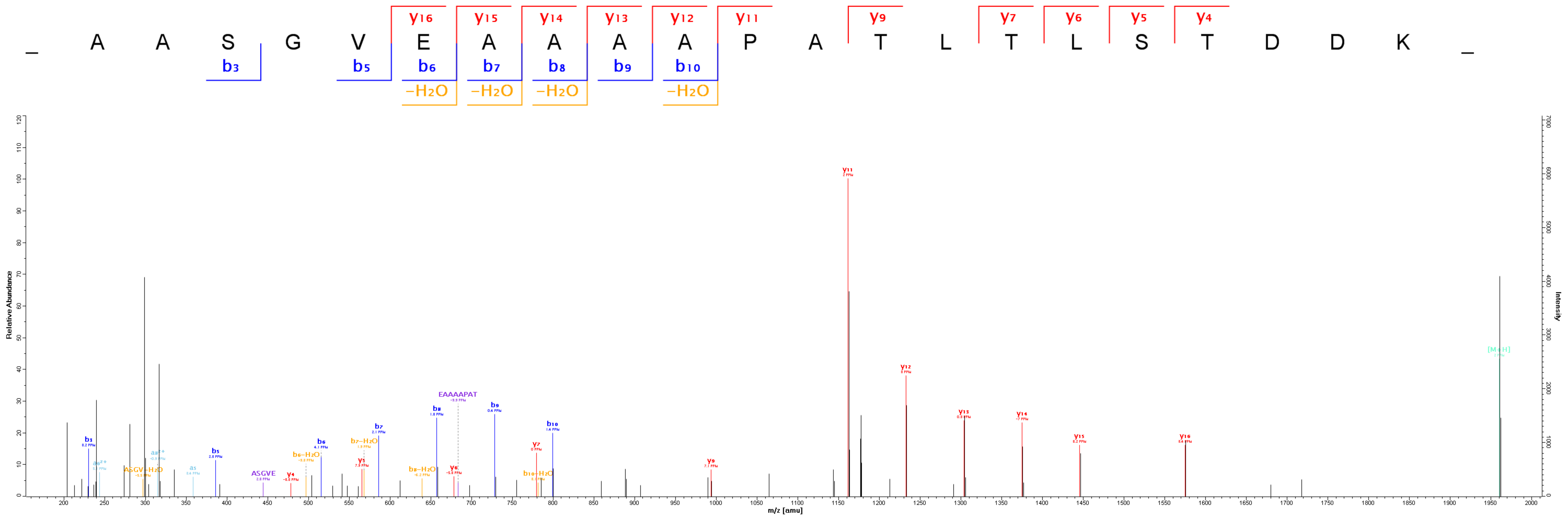


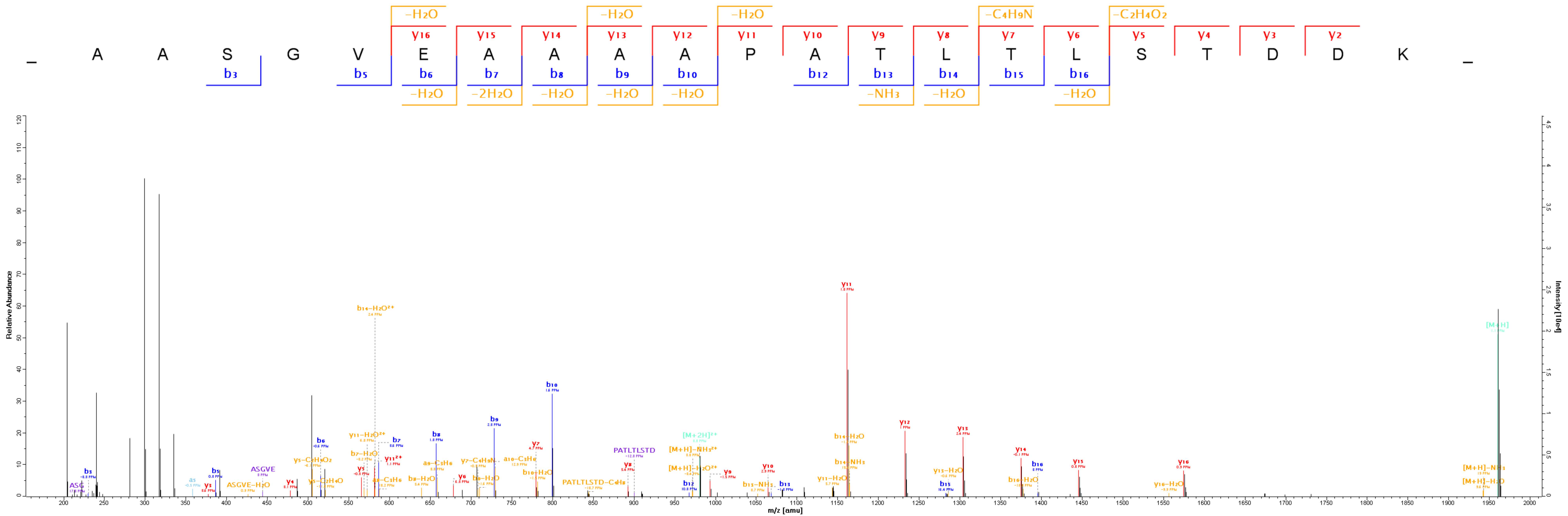


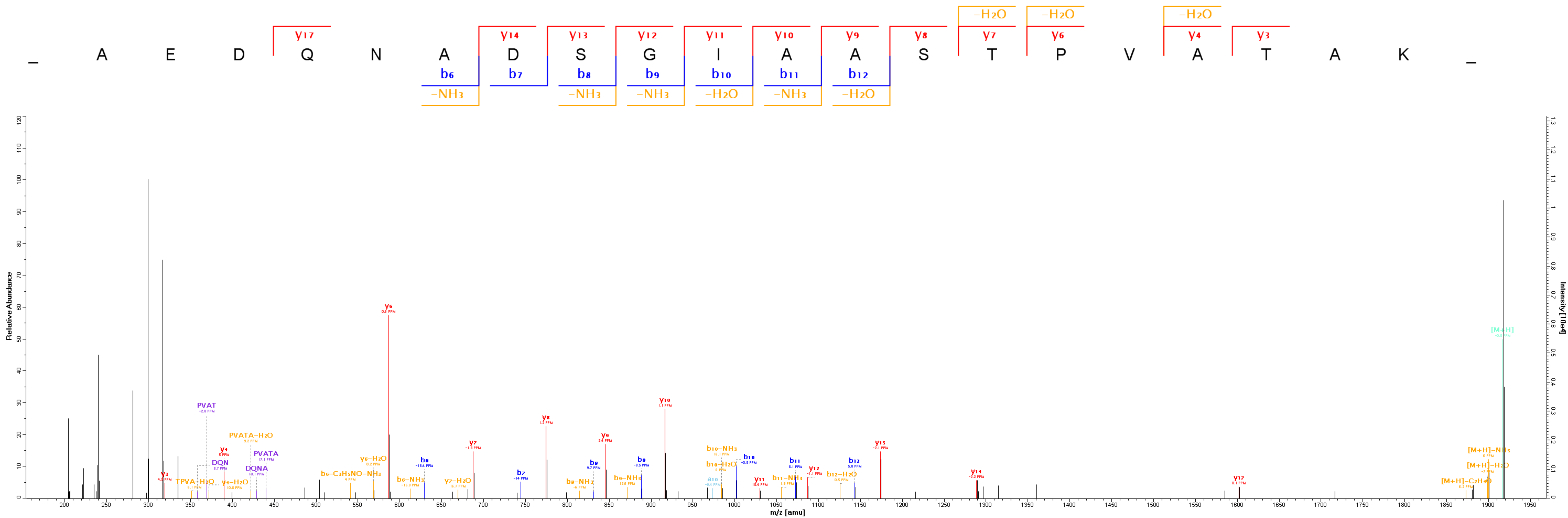


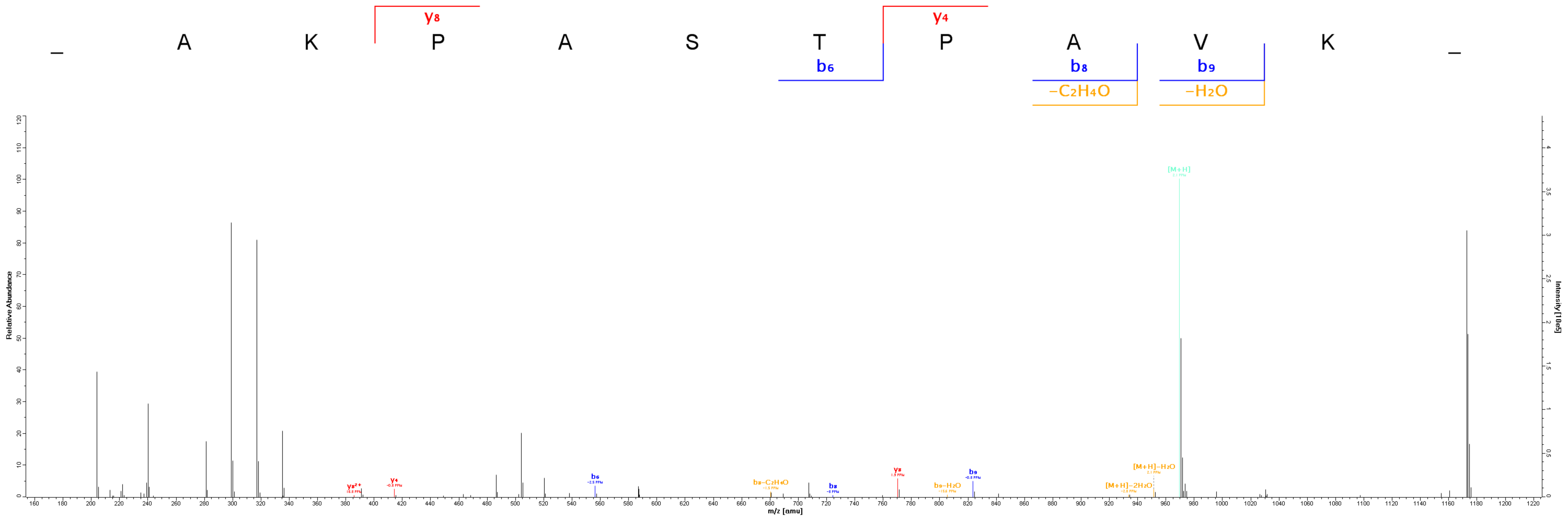


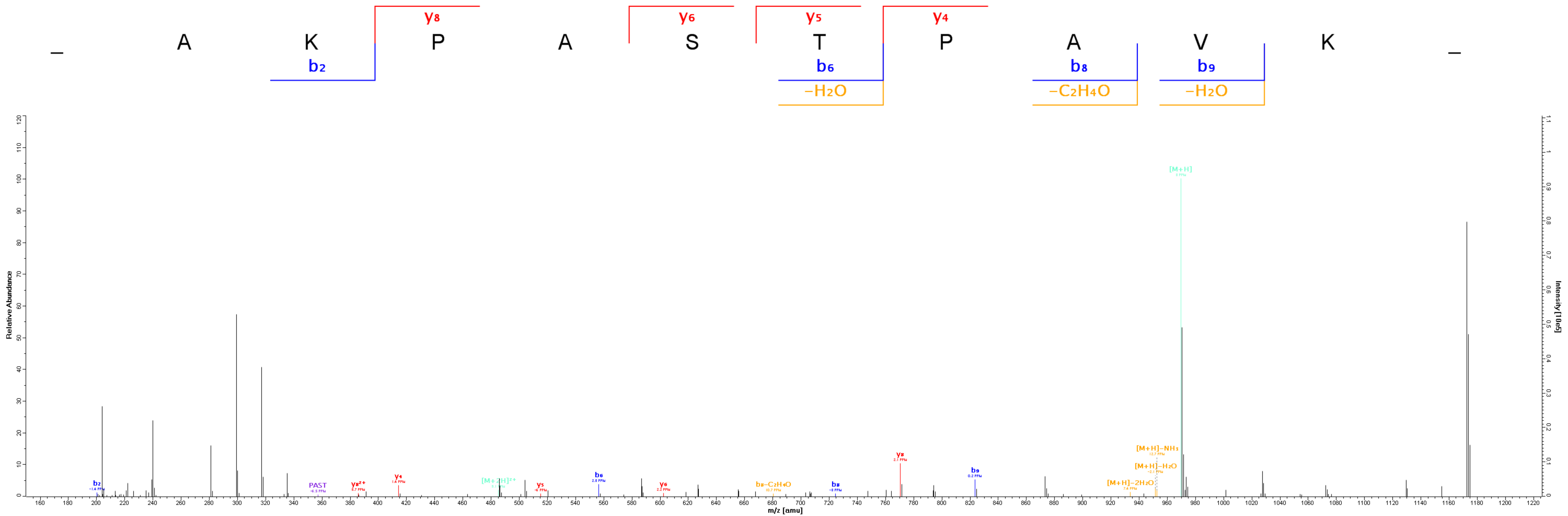




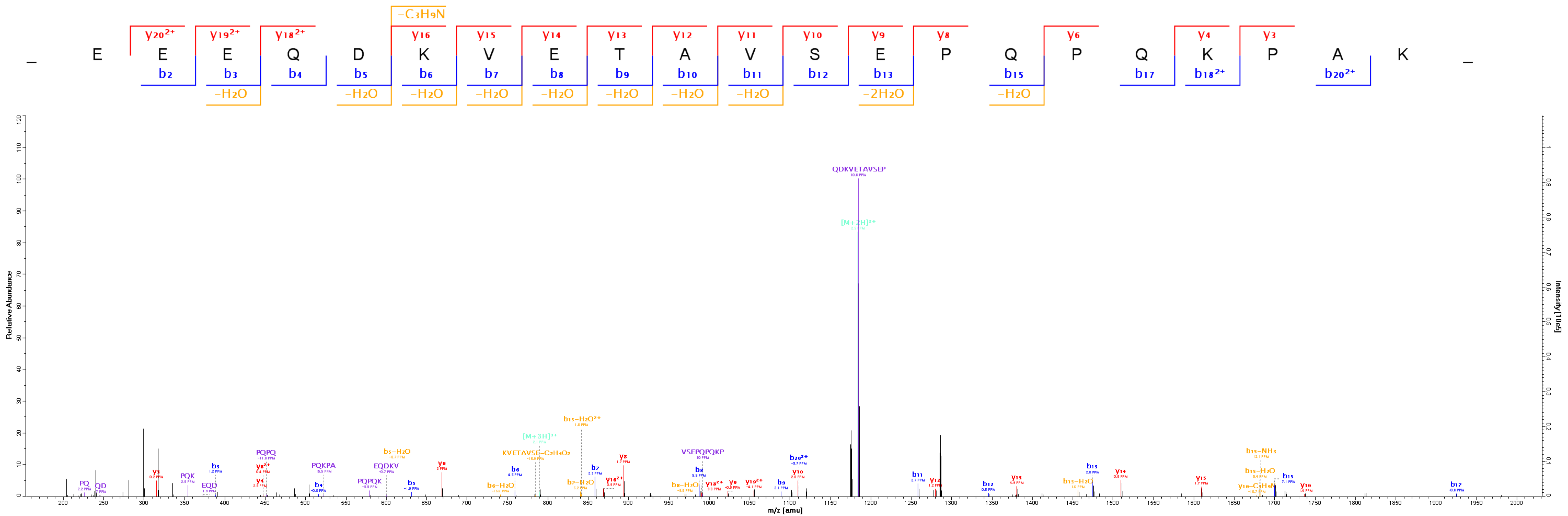


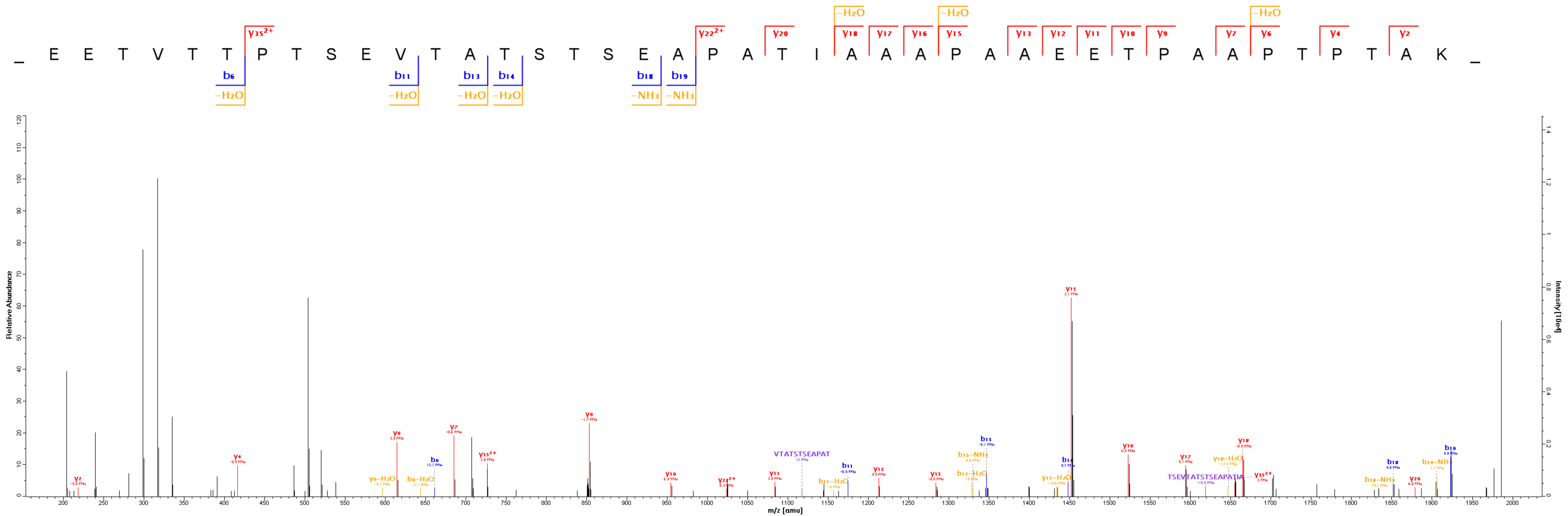


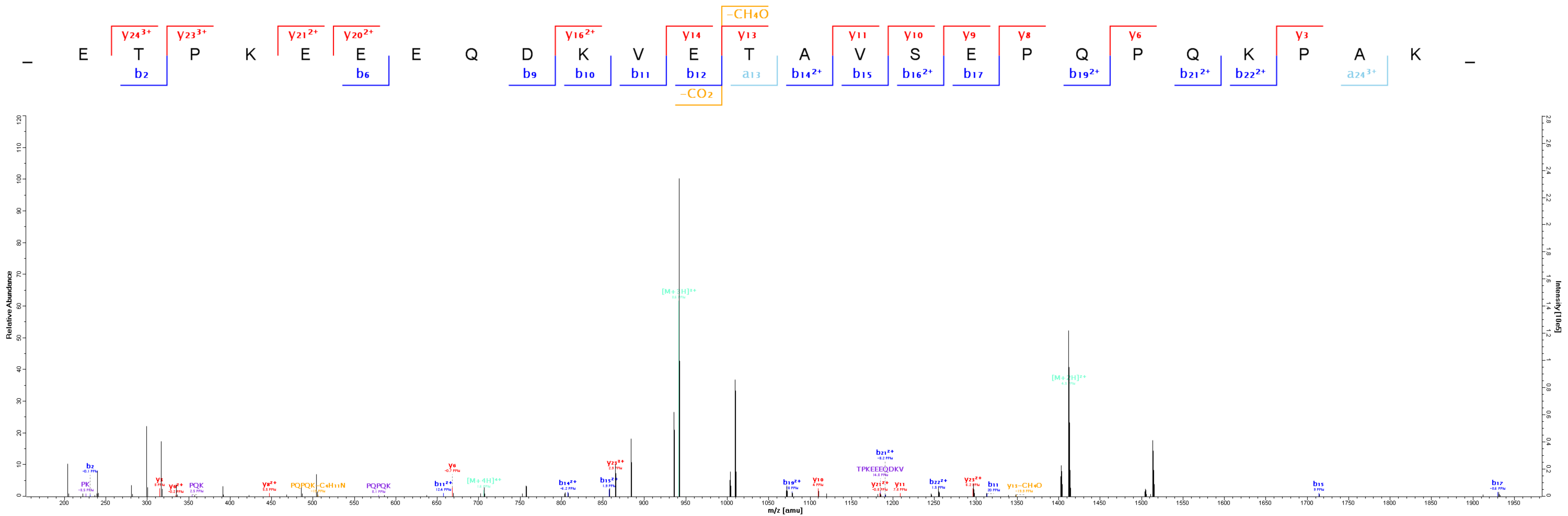


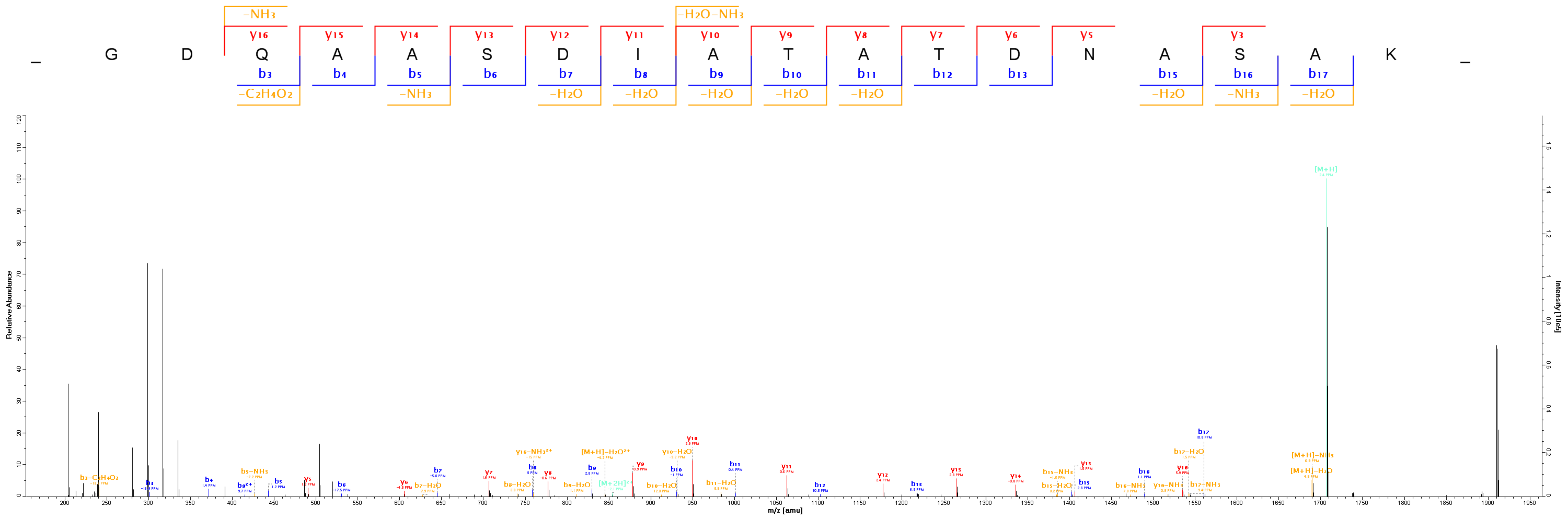


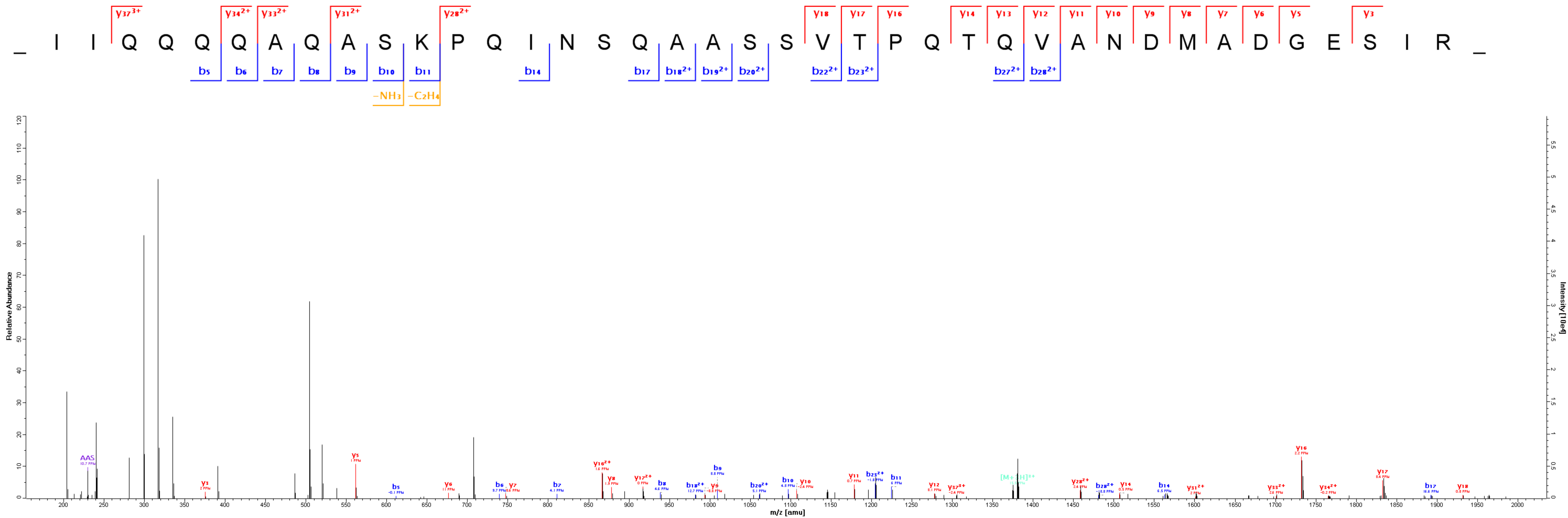


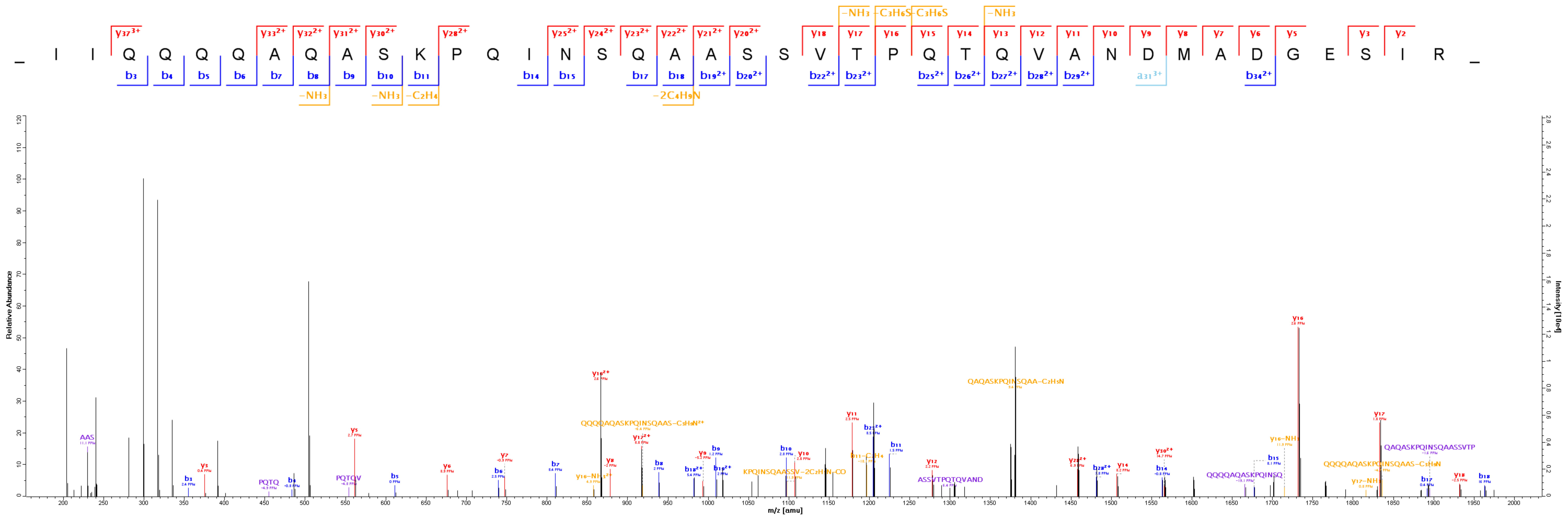




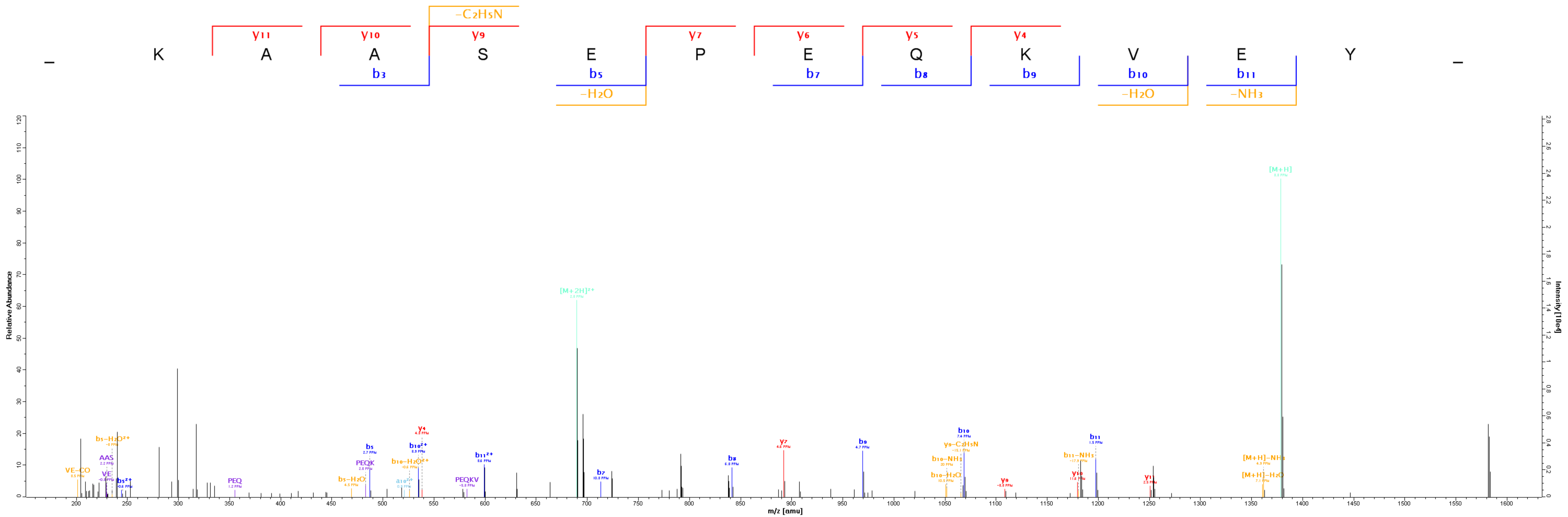




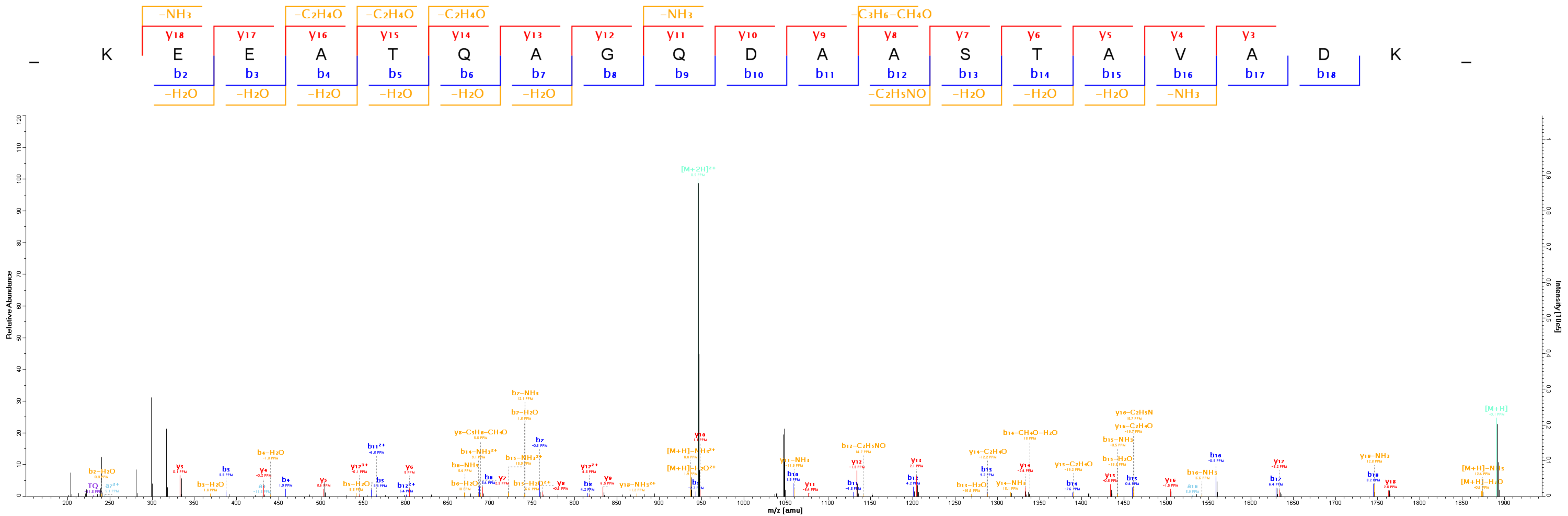


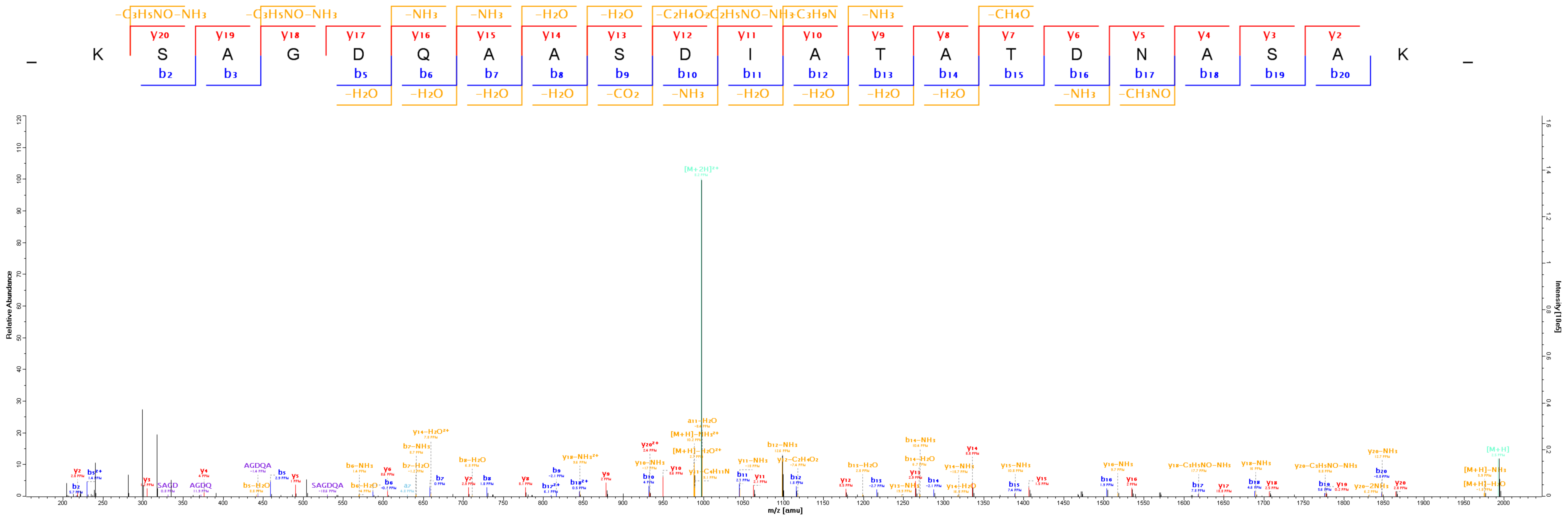


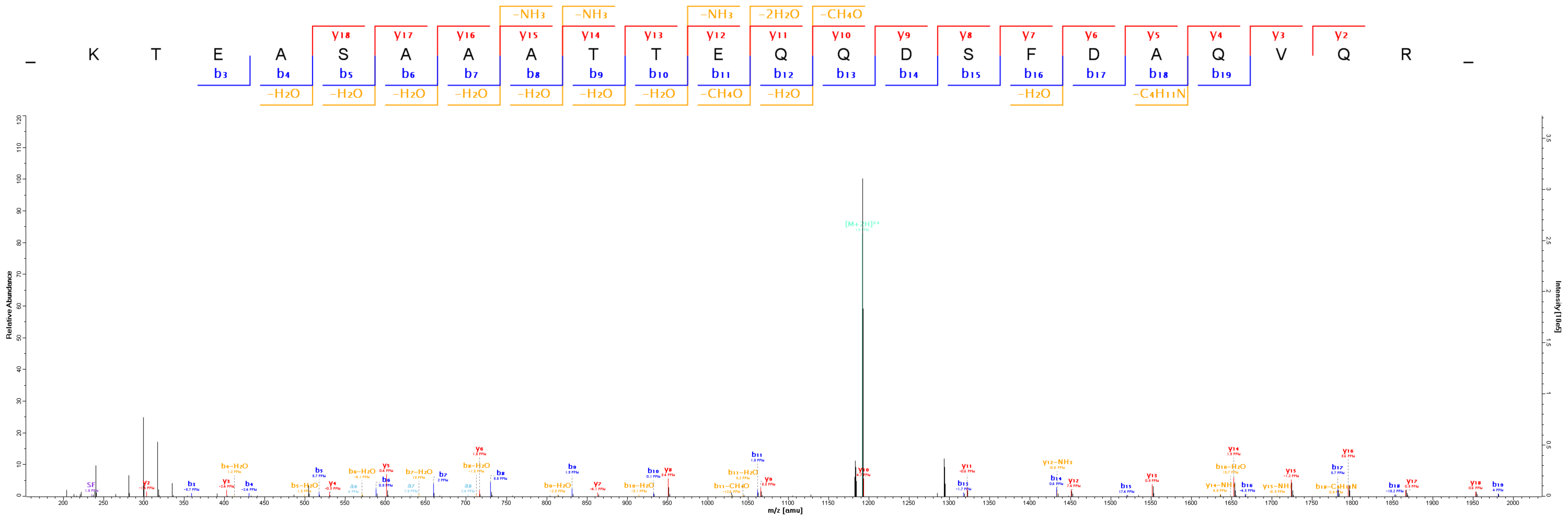


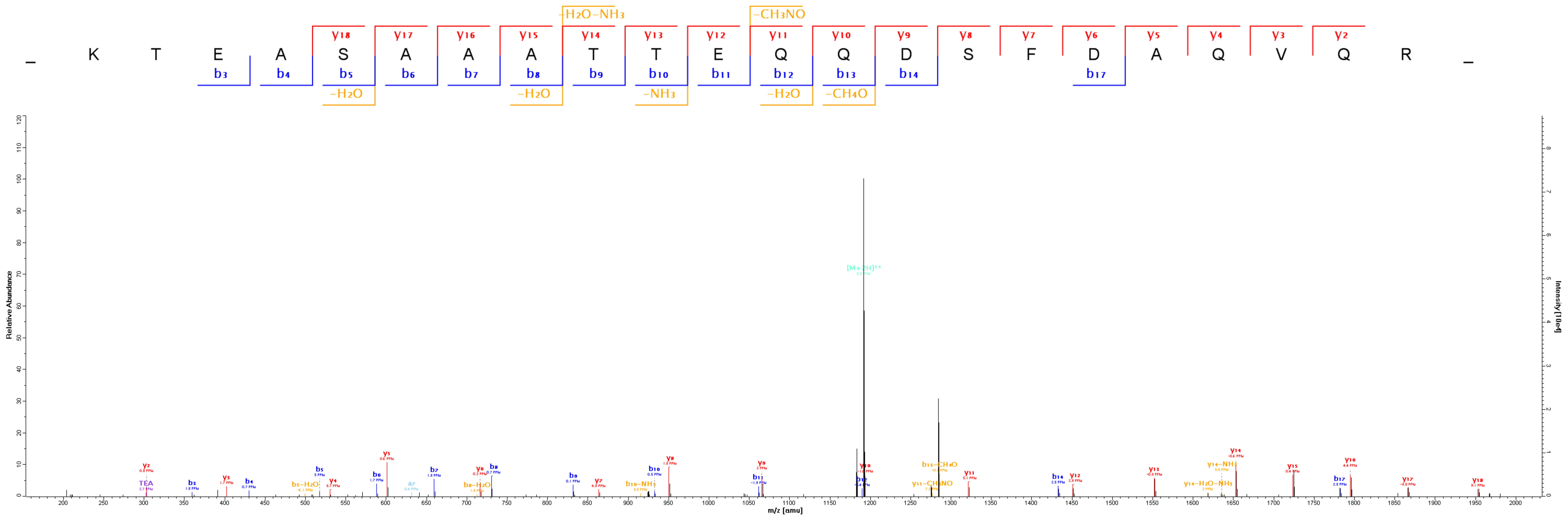


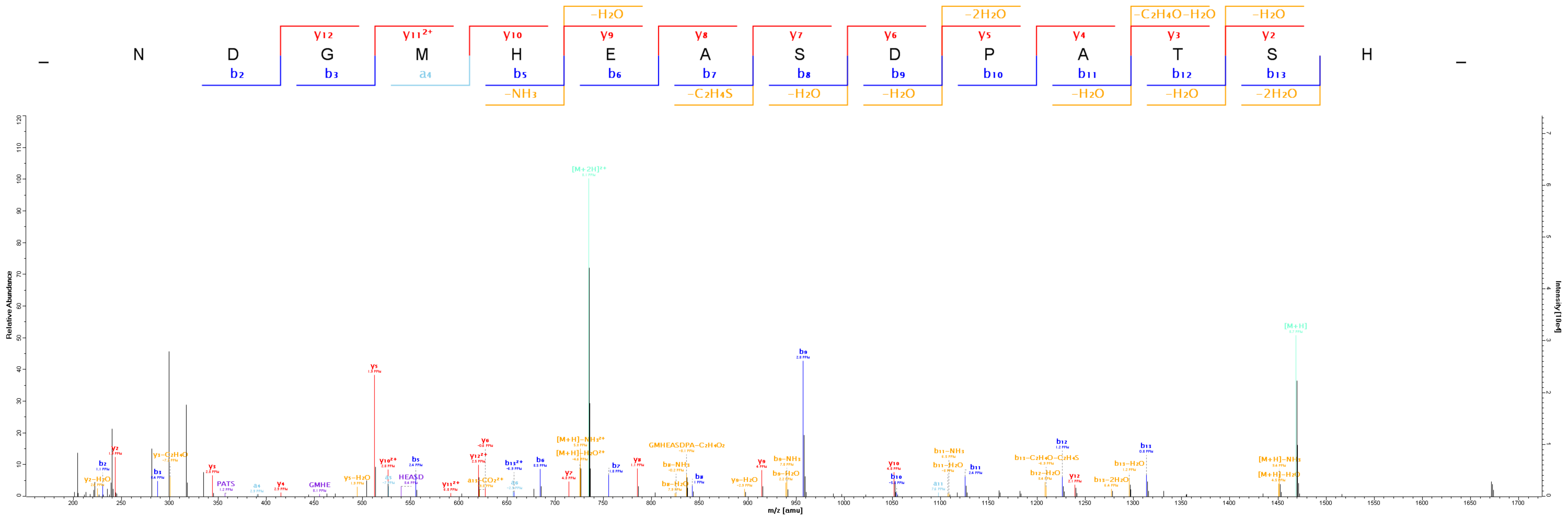


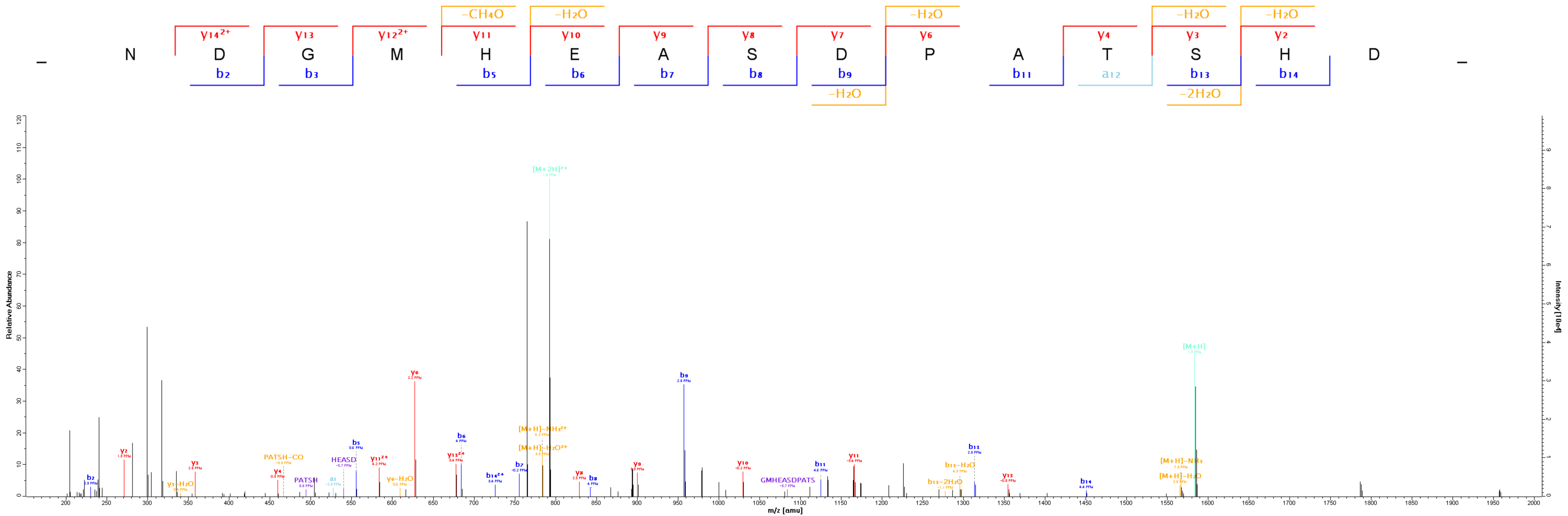


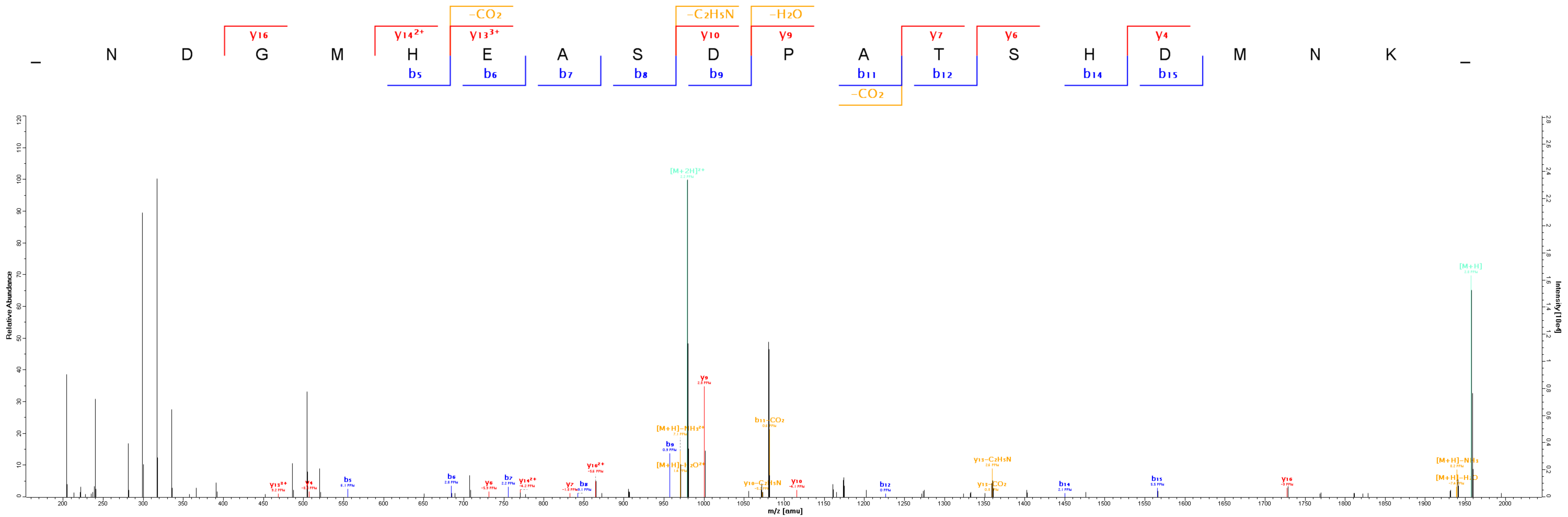


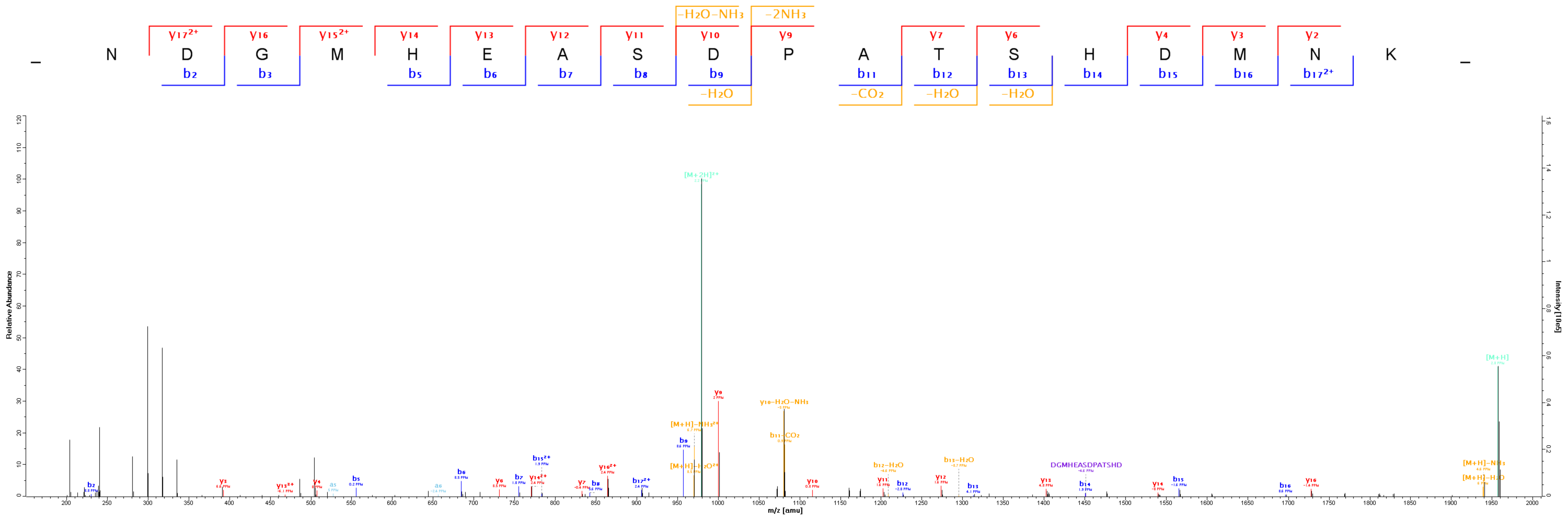




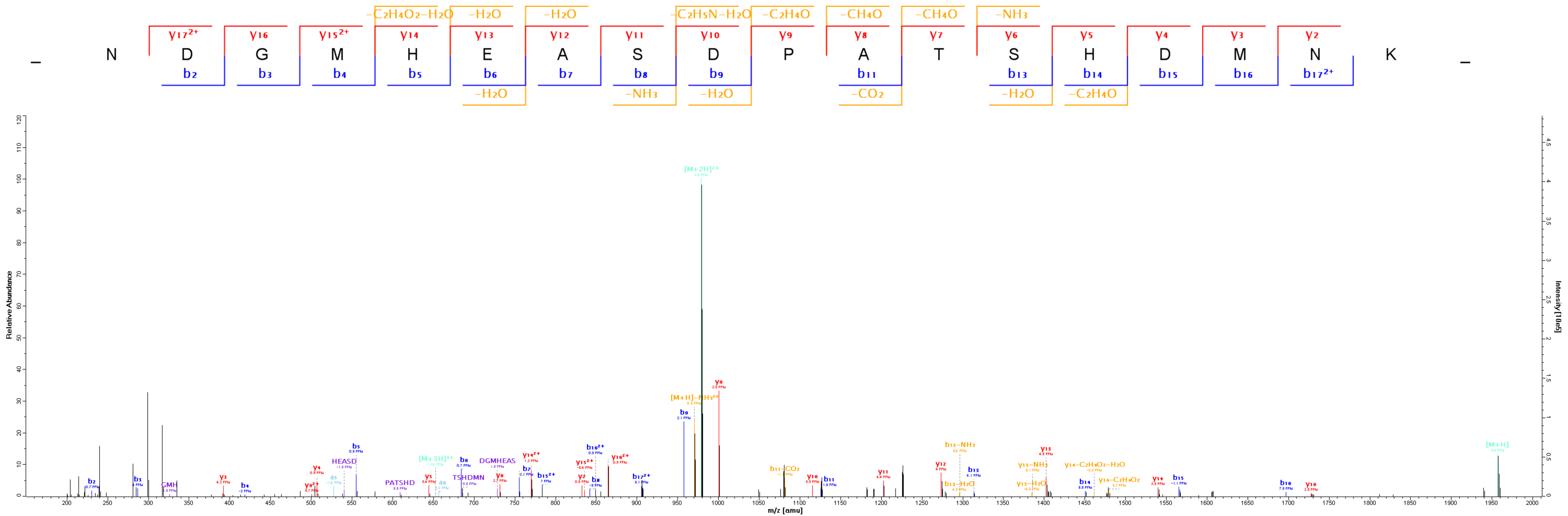


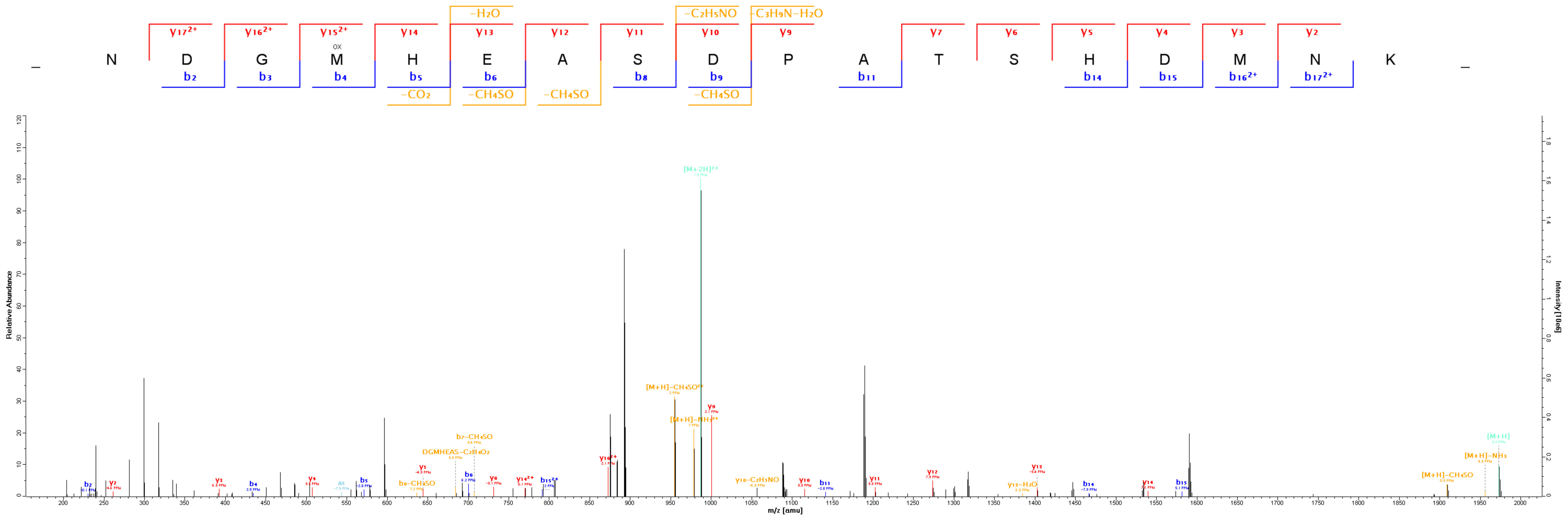


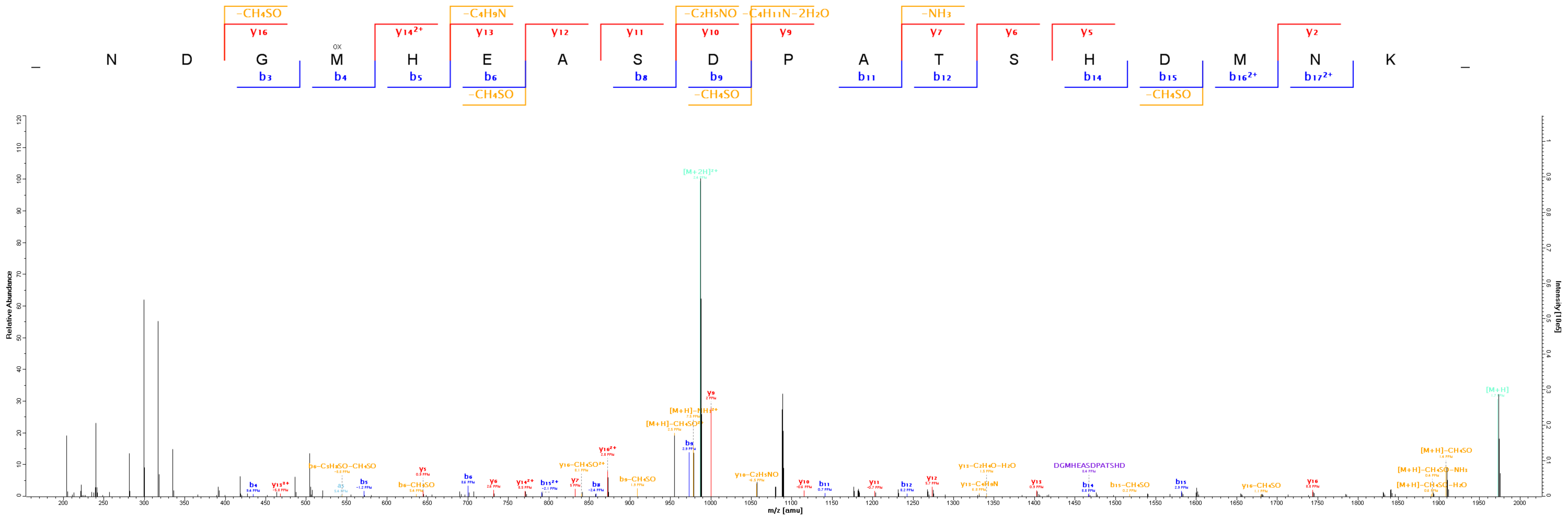


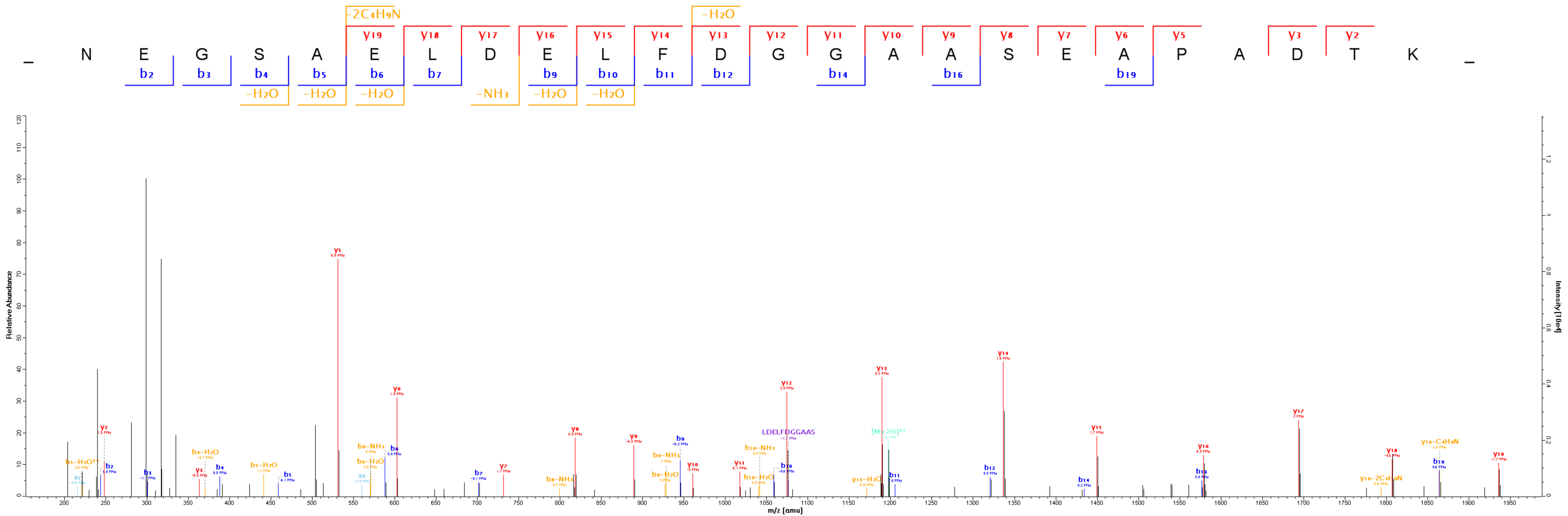


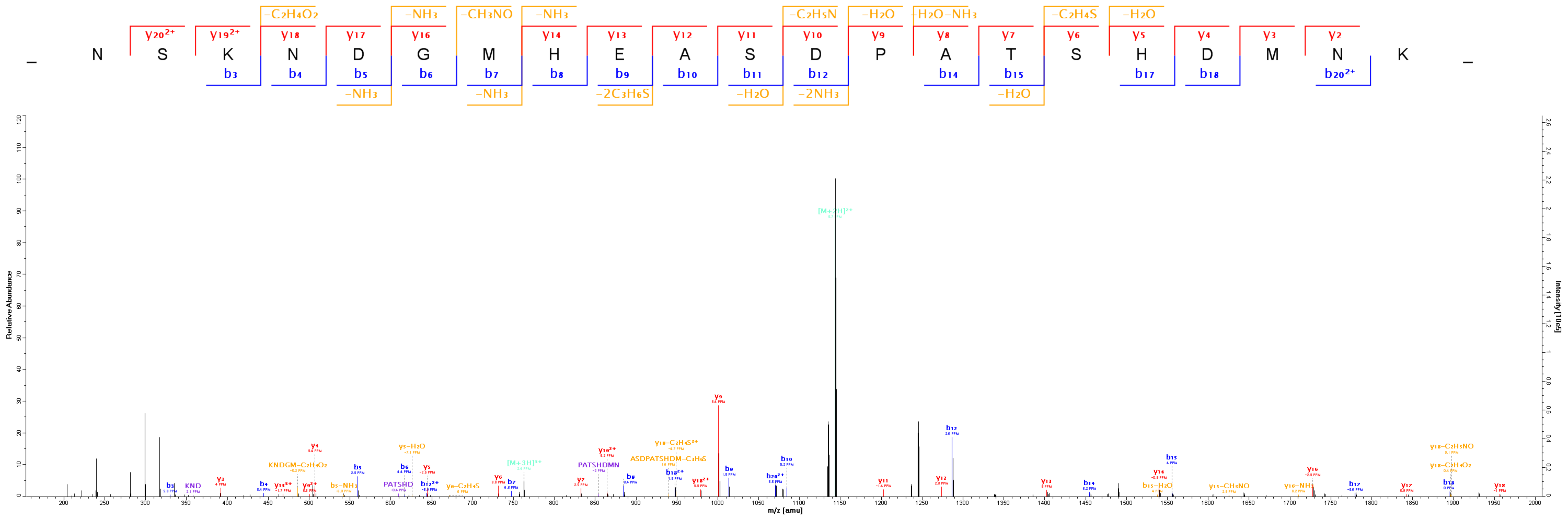


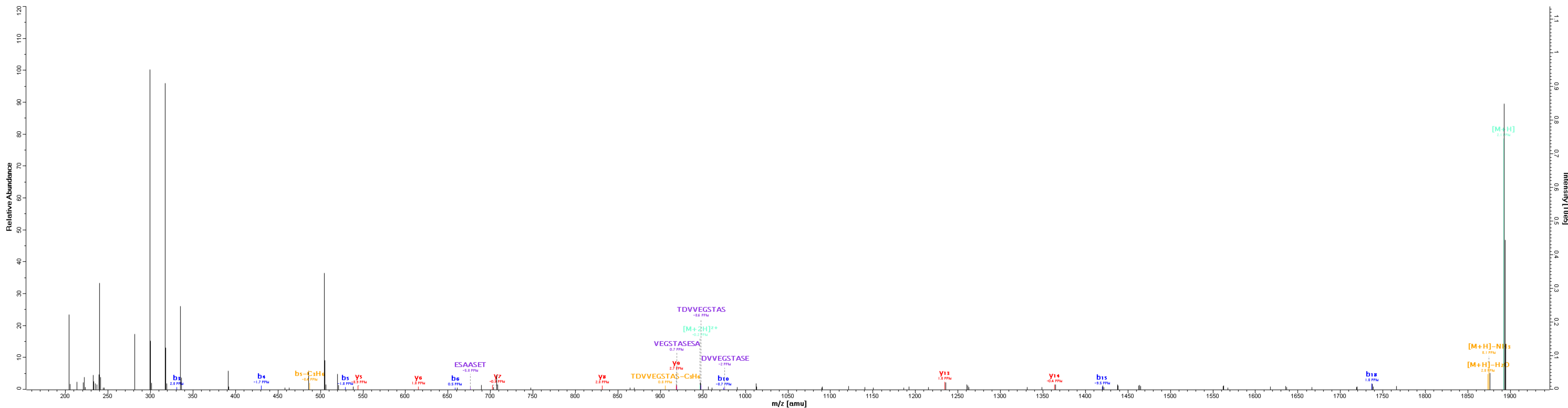
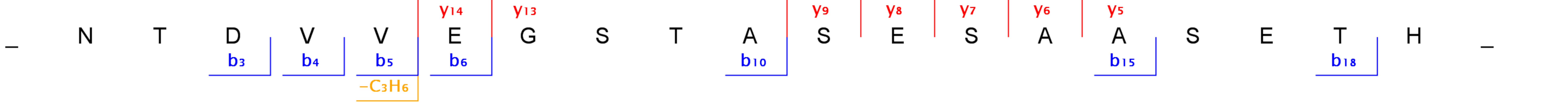


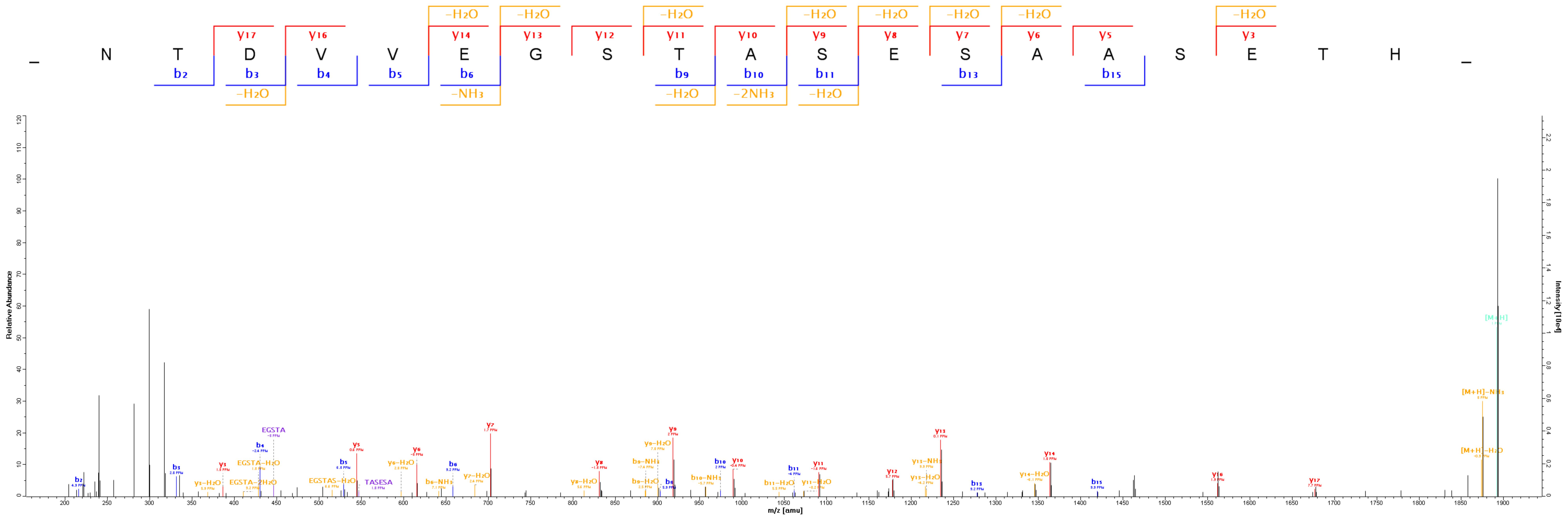


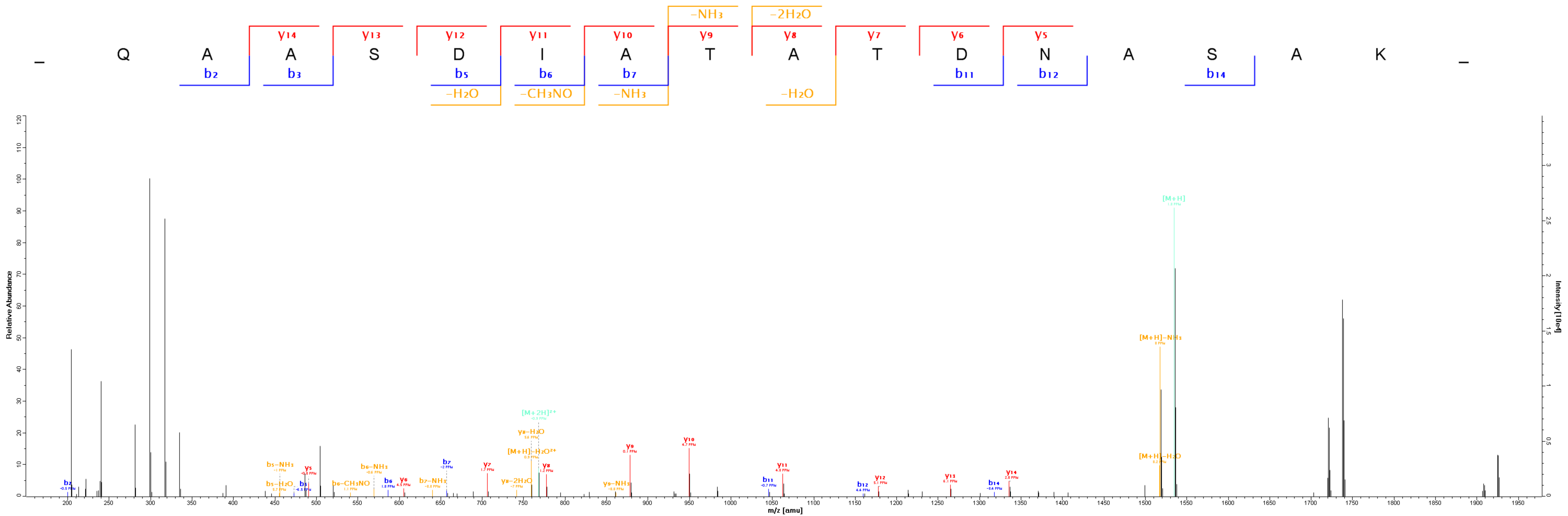








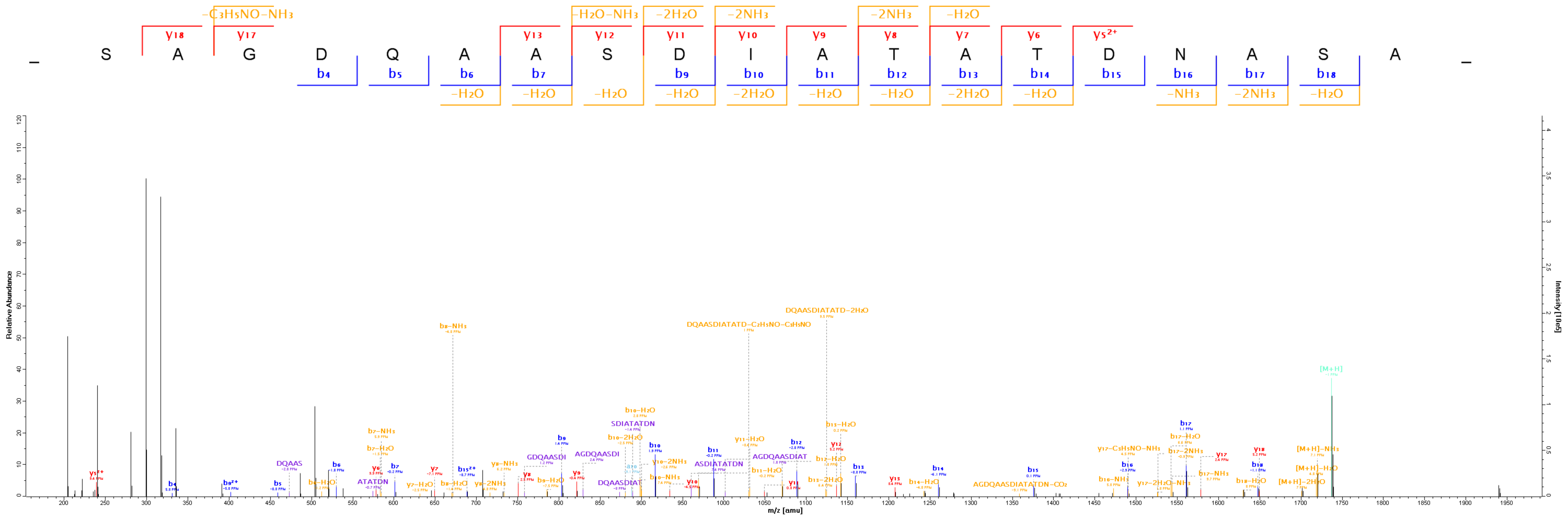


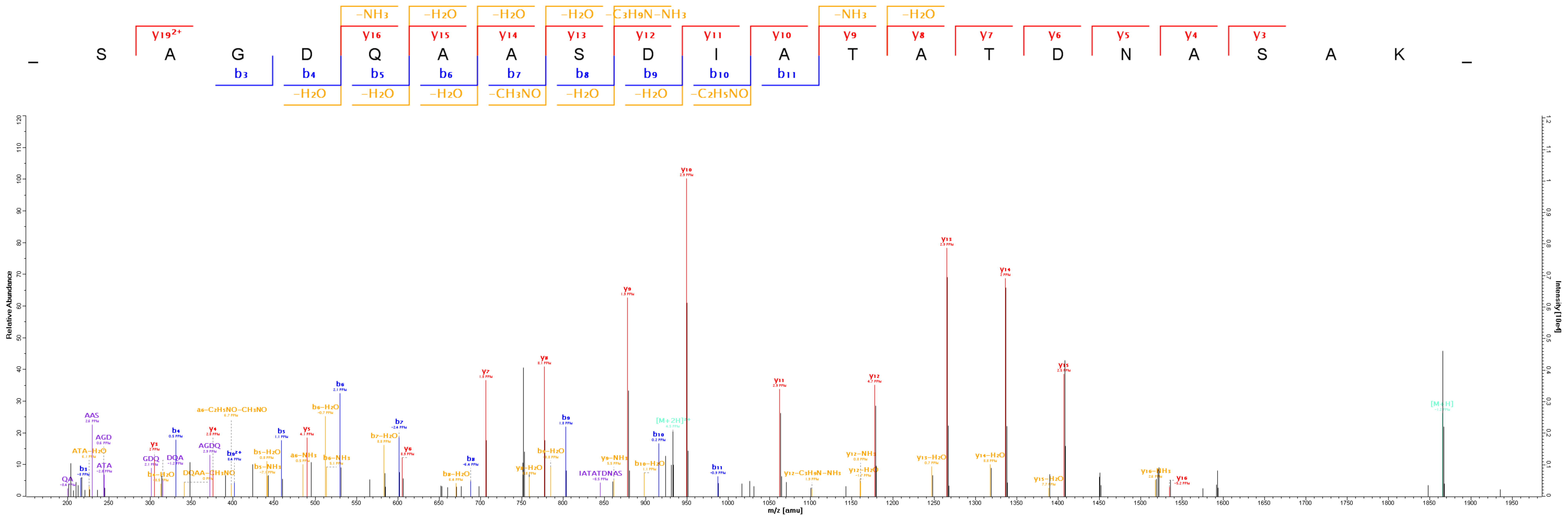


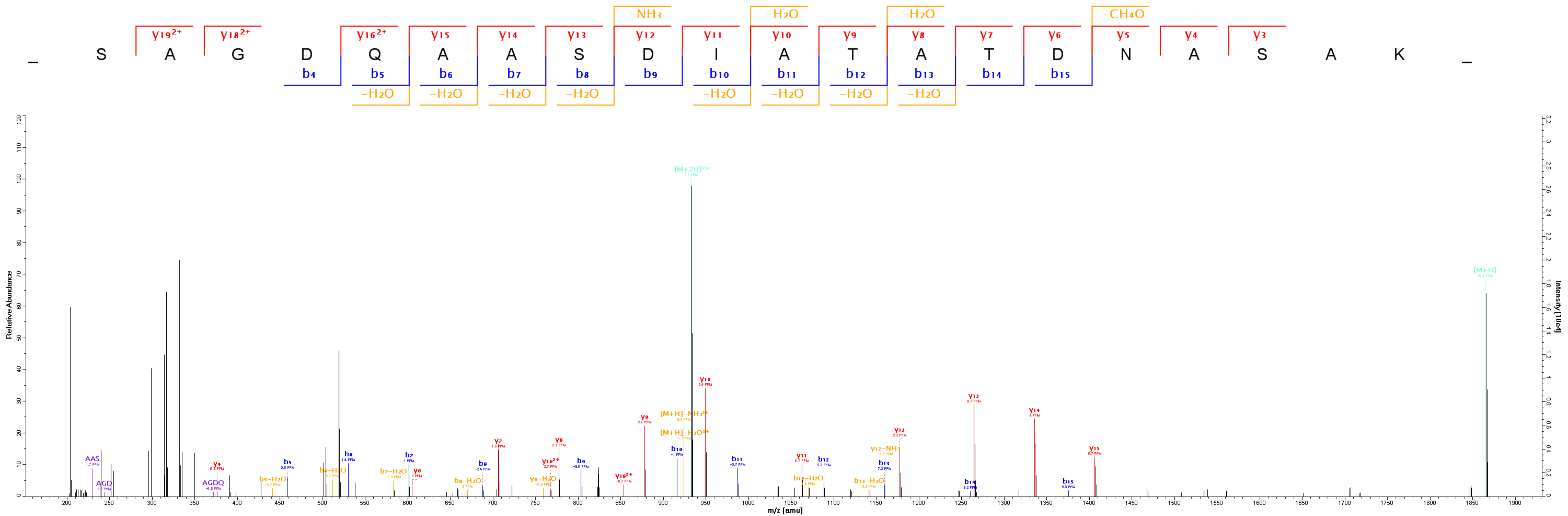


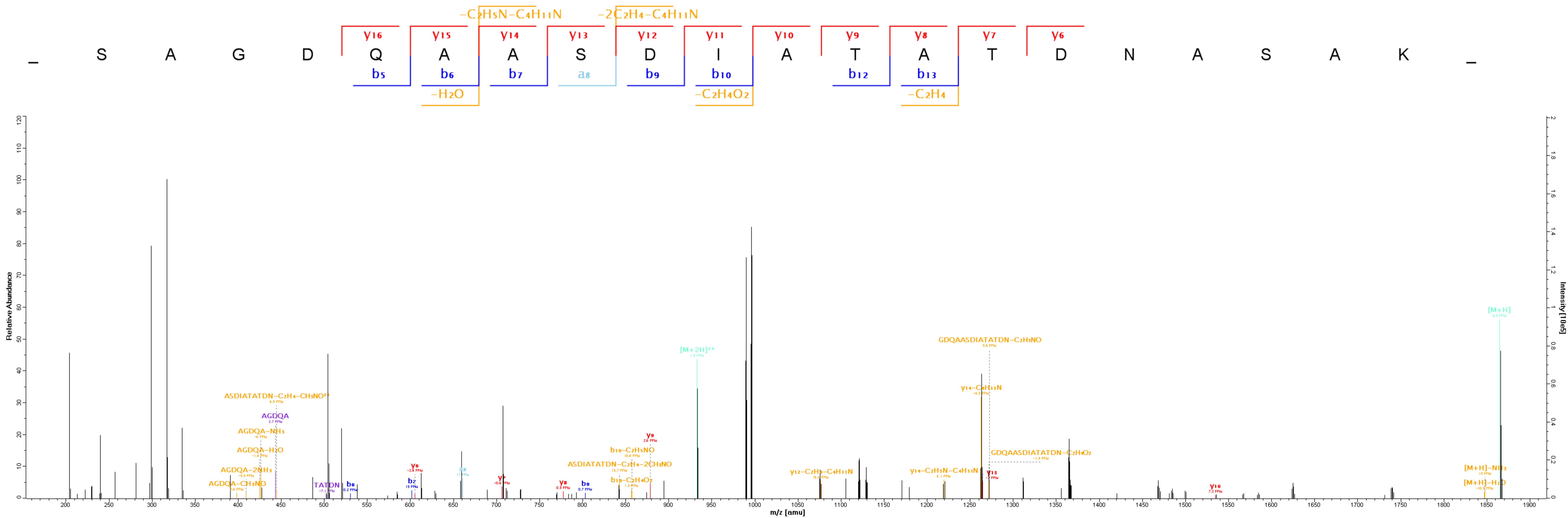


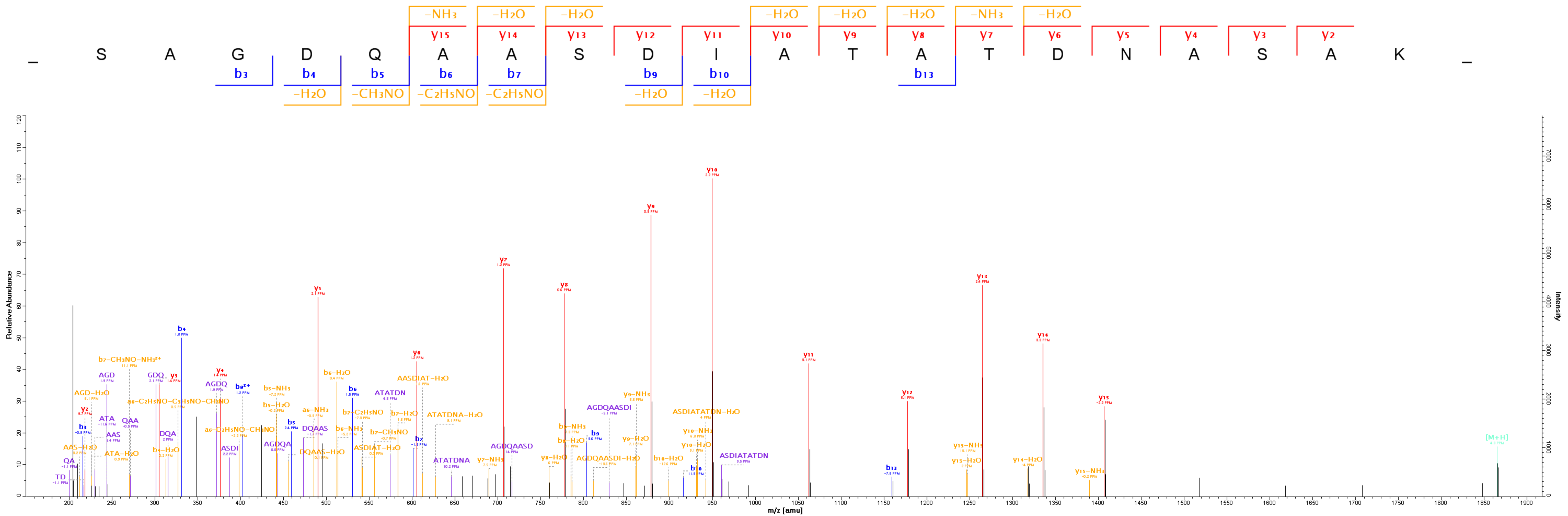


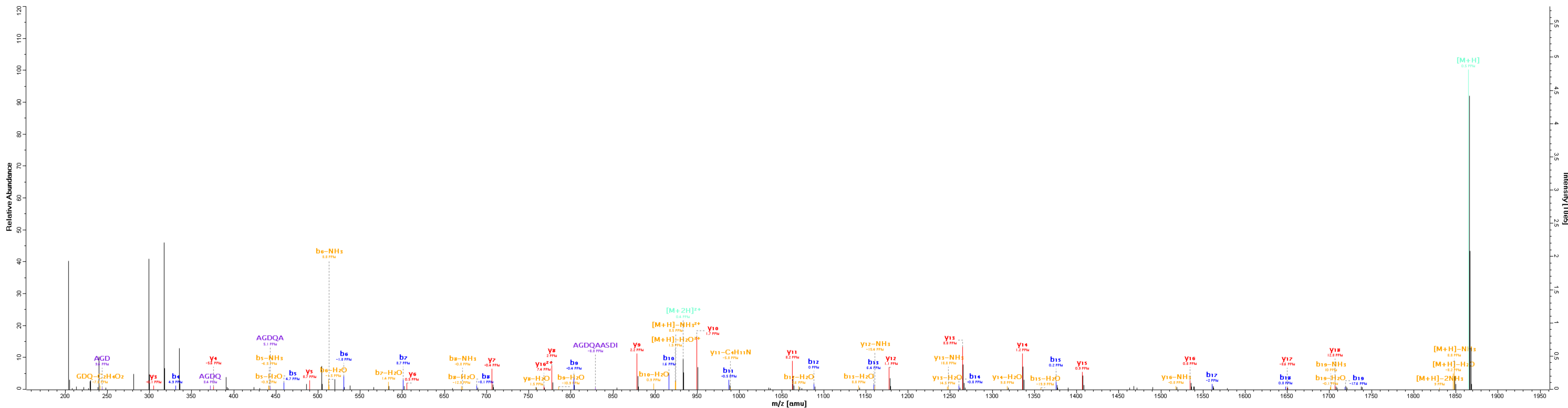
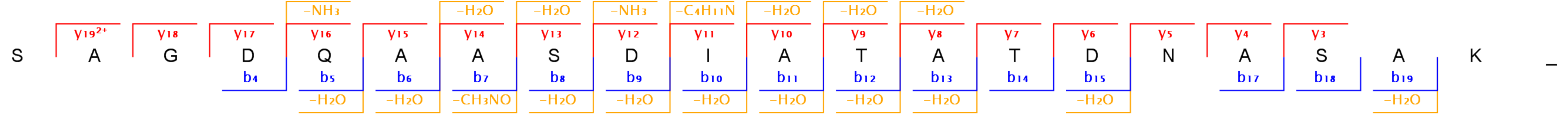




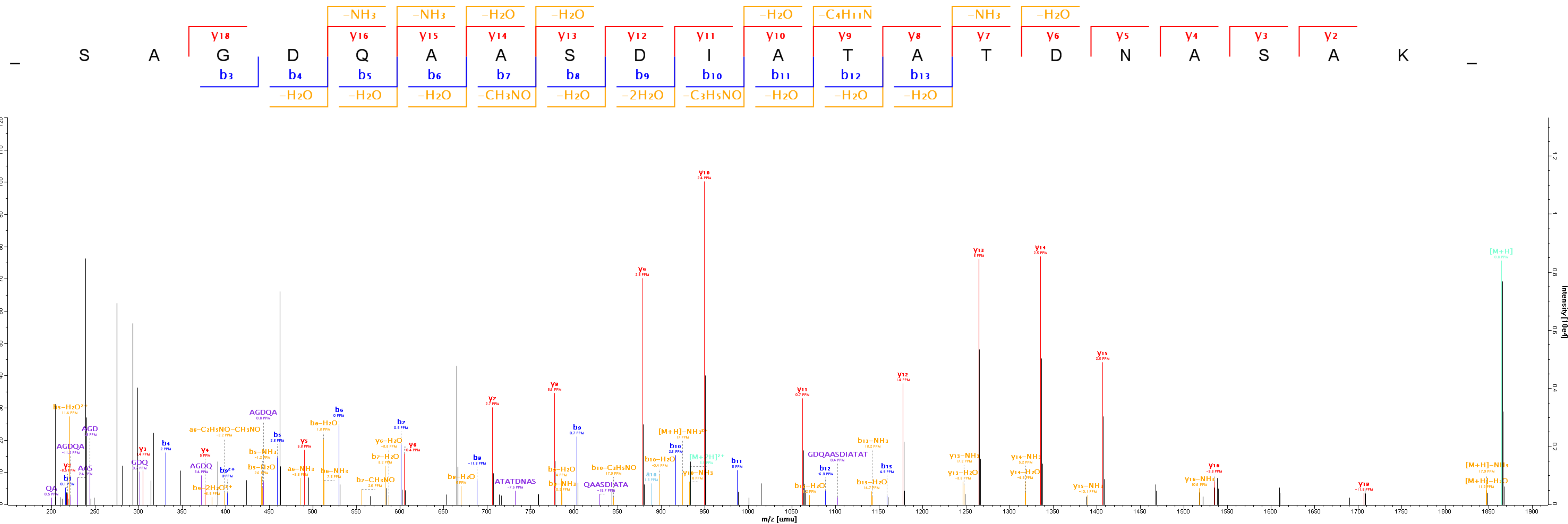


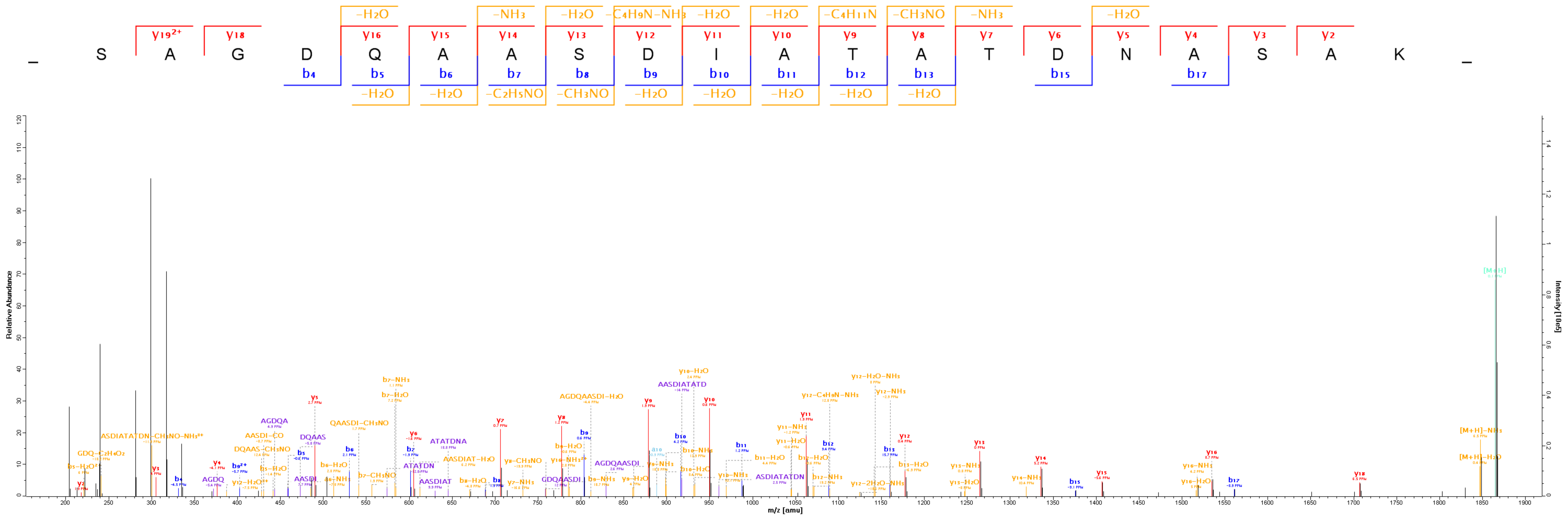


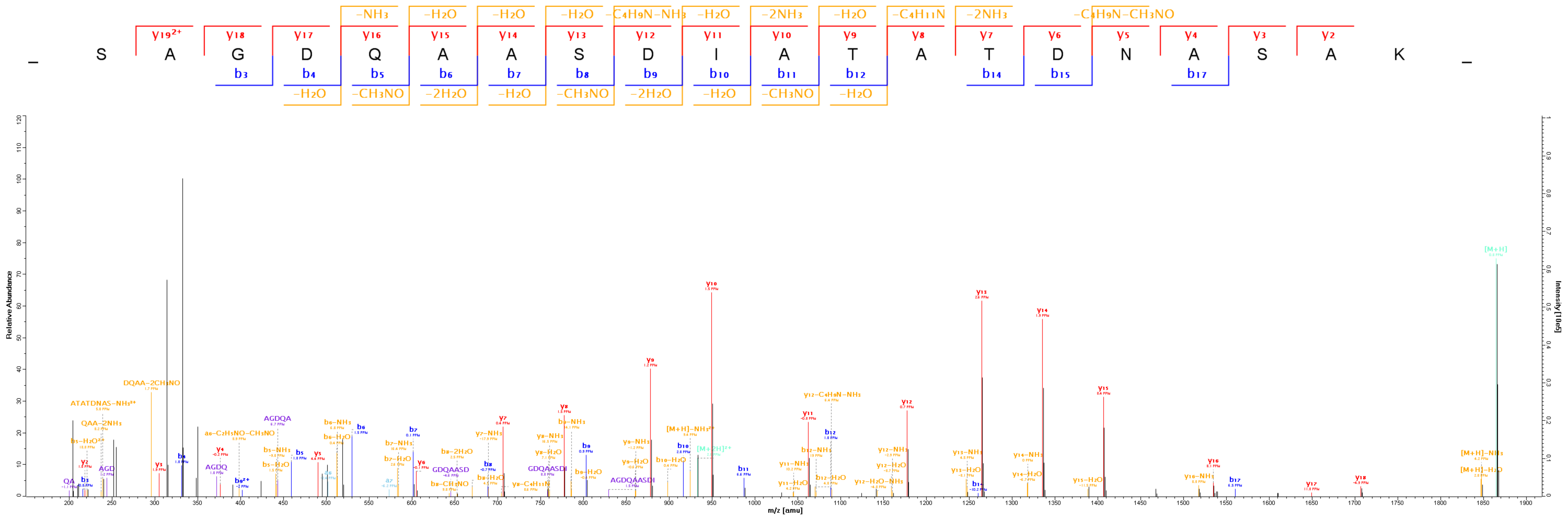


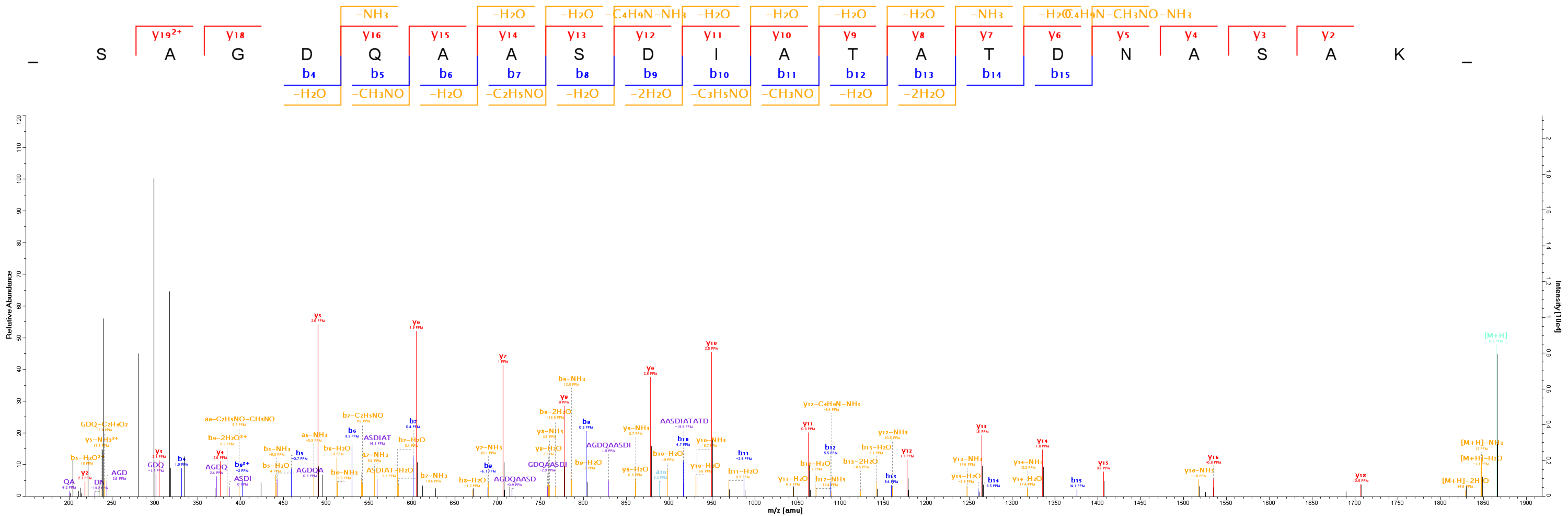


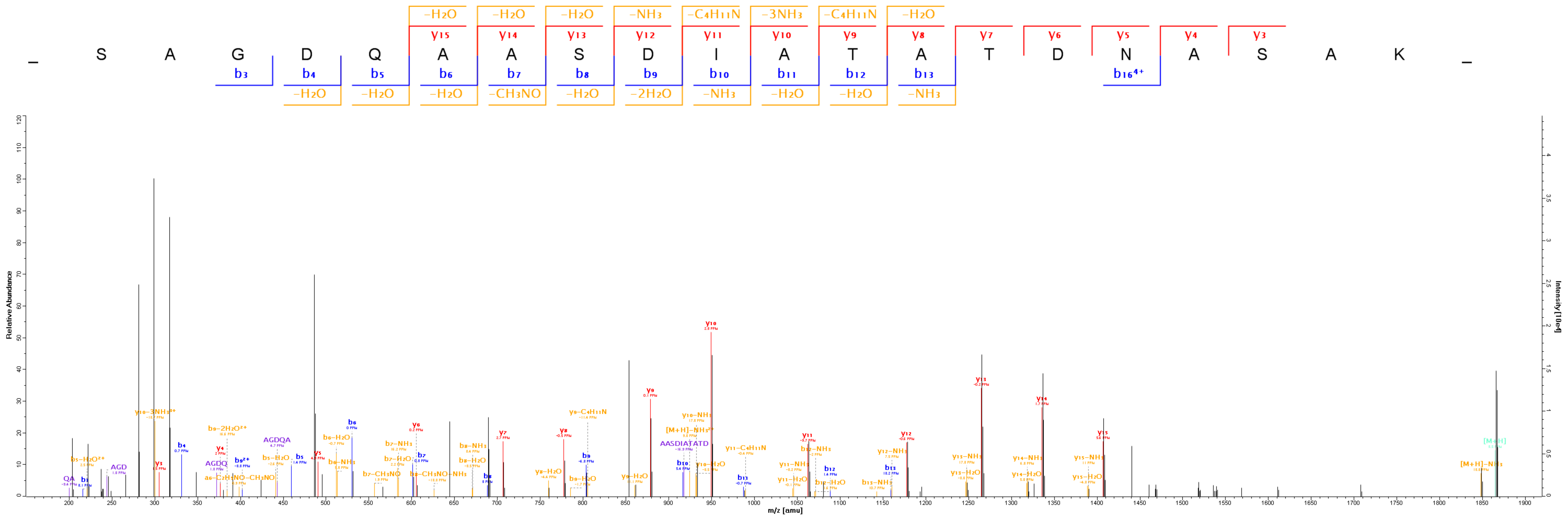


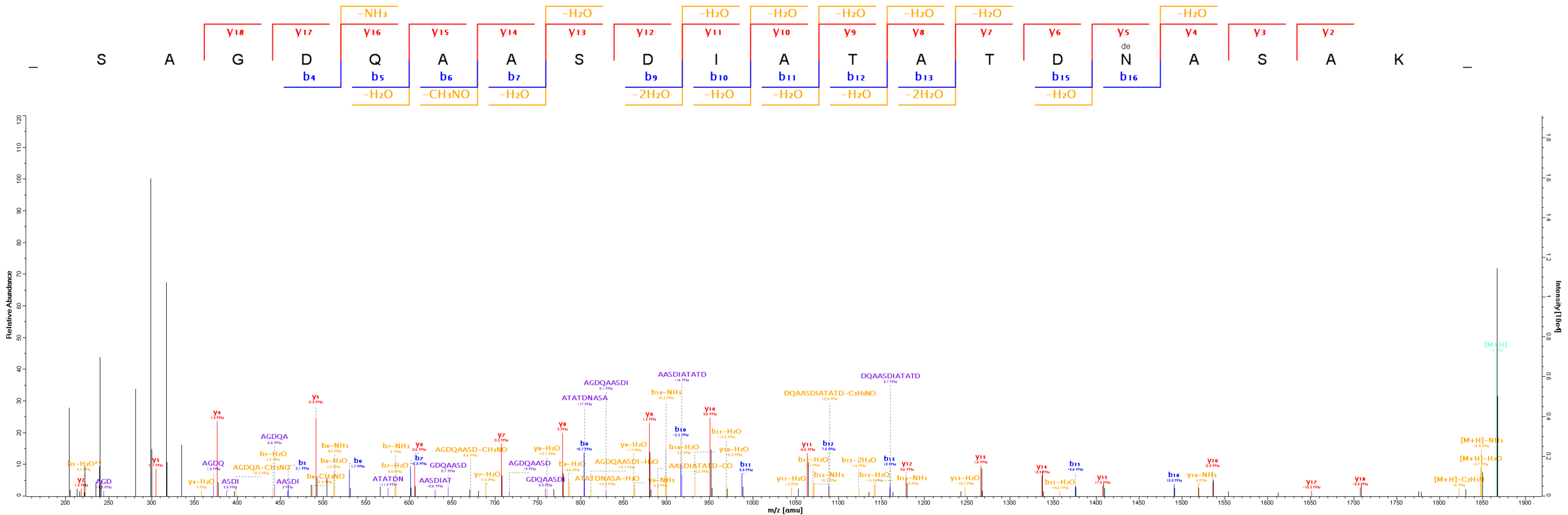












S A G D Q A A S D I A T A T D N A S A K

