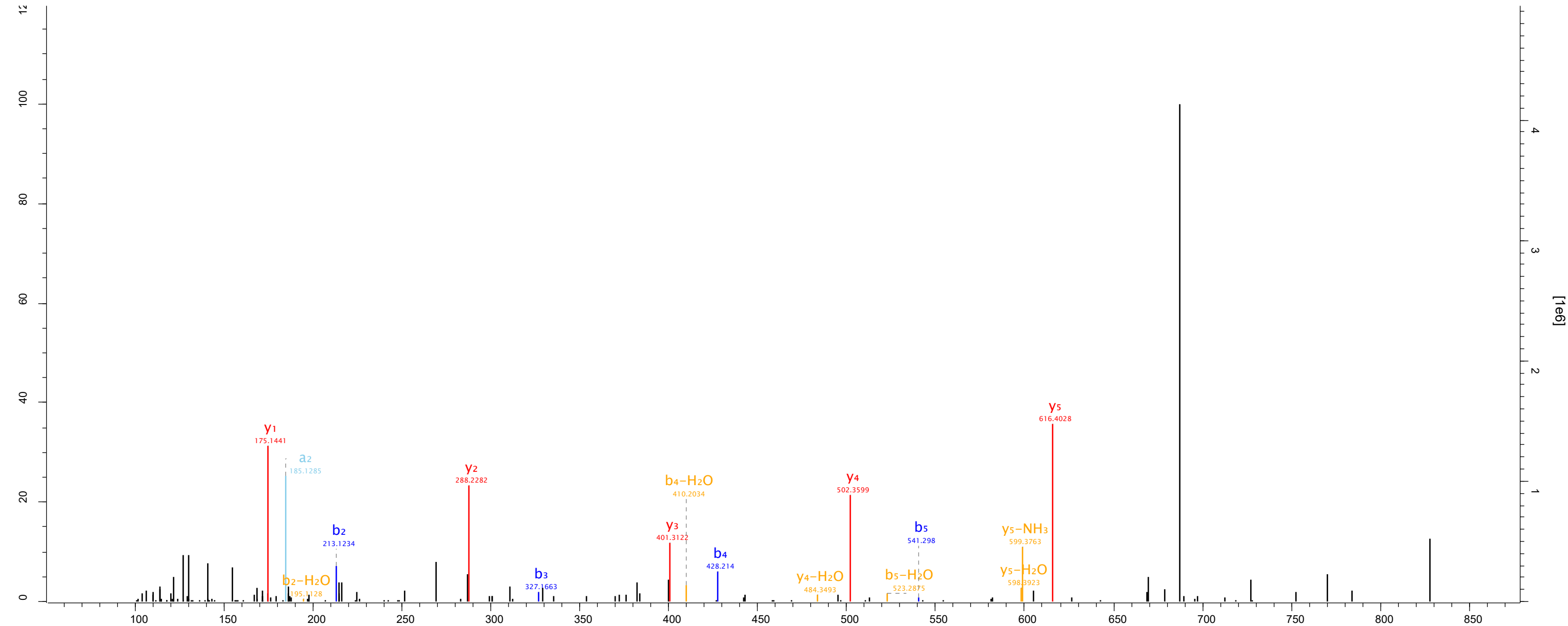


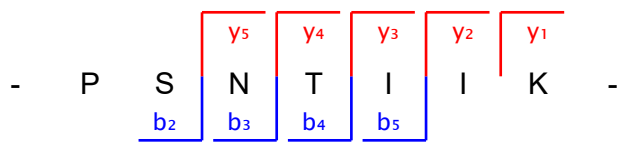
**Supplementary MS² spectra of proteins identified based on
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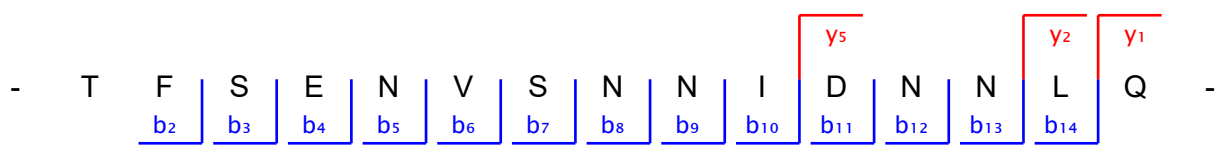
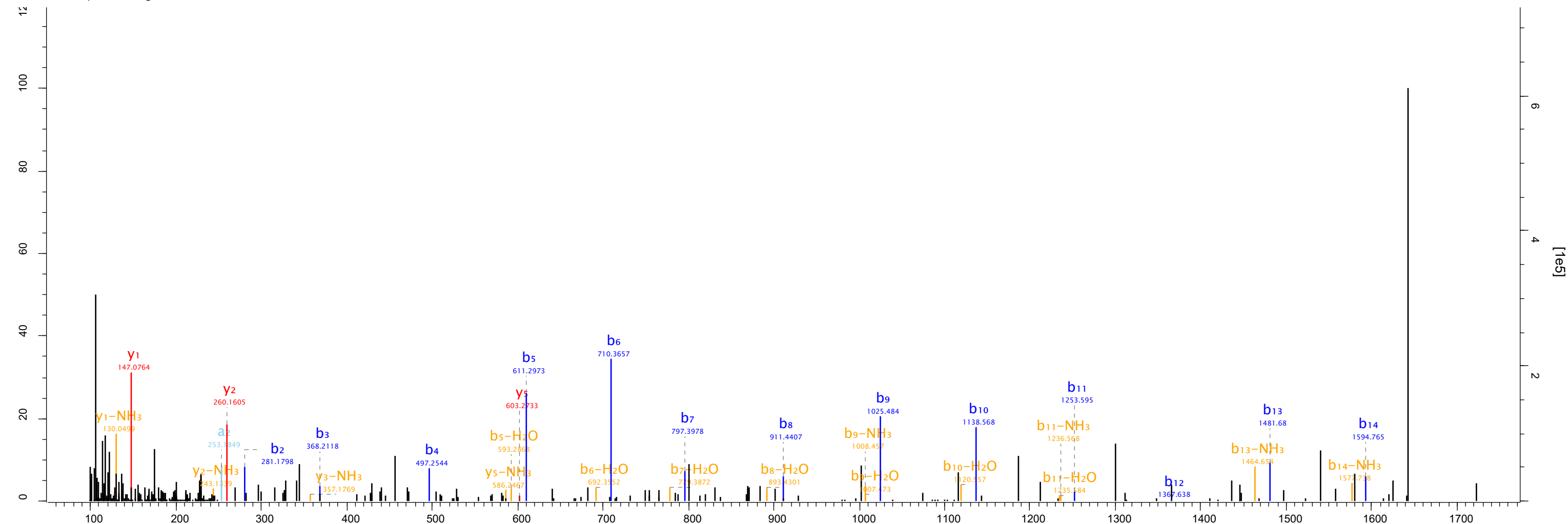
**Chlorosis as developmental program in cyanobacteria:
The proteomic fundament for surviving and awakening**

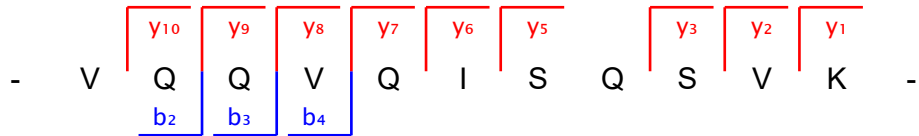
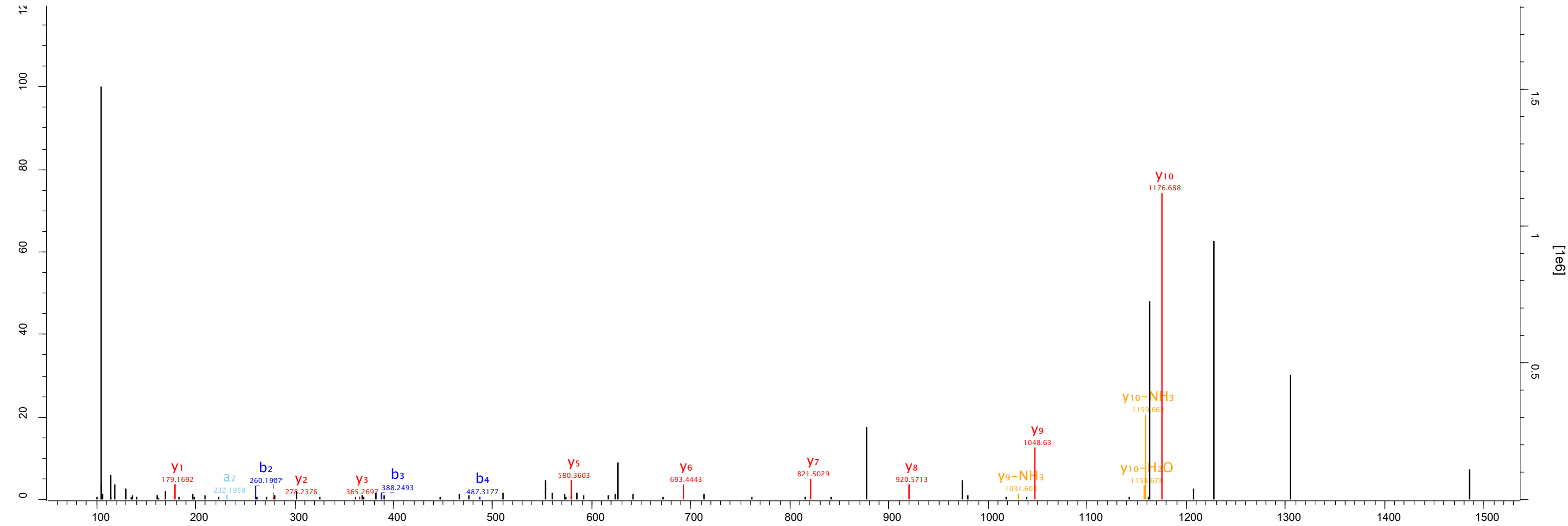
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4	slI0099	39	slI1666	74	slr0700	109	slr2128
5	slI0146	40	slI1751	75	slr0727	110	slr5073
6	slI0219	41	slI1820	76	slr0730	111	slr7014
7	slI0253	42	slI1874	77	slr0788	112	slr7099
8	slI0263	43	slI1969	78	slr0810	113	sml0008
9	slI0294	44	slI5028	79	slr0819	114	smr0006
10	slI0321	45	slI5043	80	slr0853	115	smr0011
11	slI0384	46	slI5067	81	slr0881	116	ssl0350
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18	slI0751	53	slr0036	88	slr1114	123	ssl2615
19	slI0809	54	slr0041	89	slr1209	124	ssl3383
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22	slI0864	57	slr0270	92	slr1327	127	ssl7074
23	slI0875	58	slr0272	93	slr1398	128	ssr0109
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25	slI1057	60	slr0324	95	slr1461	130	ssr1473
26	slI1103	61	slr0327	96	slr1518	131	ssr1562
27	slI1121	62	slr0345	97	slr1565	132	ssr1768
28	slI1132	63	slr0363	98	slr1566	133	ssr2067
29	slI1232	64	slr0415	99	slr1664	134	ssr2439
30	slI1318	65	slr0468	100	slr1738	135	ssr2595;ssl2542
31	slI1329	66	slr0491	101	slr1760	136	ssr2723
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33	slI1399	68	slr0531	103	slr1787	138	ssr3188
34	slI1447	69	slr0589	104	slr1875	139	ssr3189
35	slI1459	70	slr0601	105	slr1929	140	ssr3307
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[1e6]

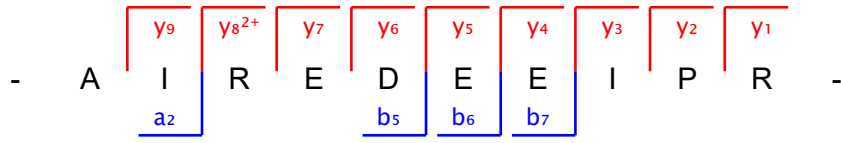
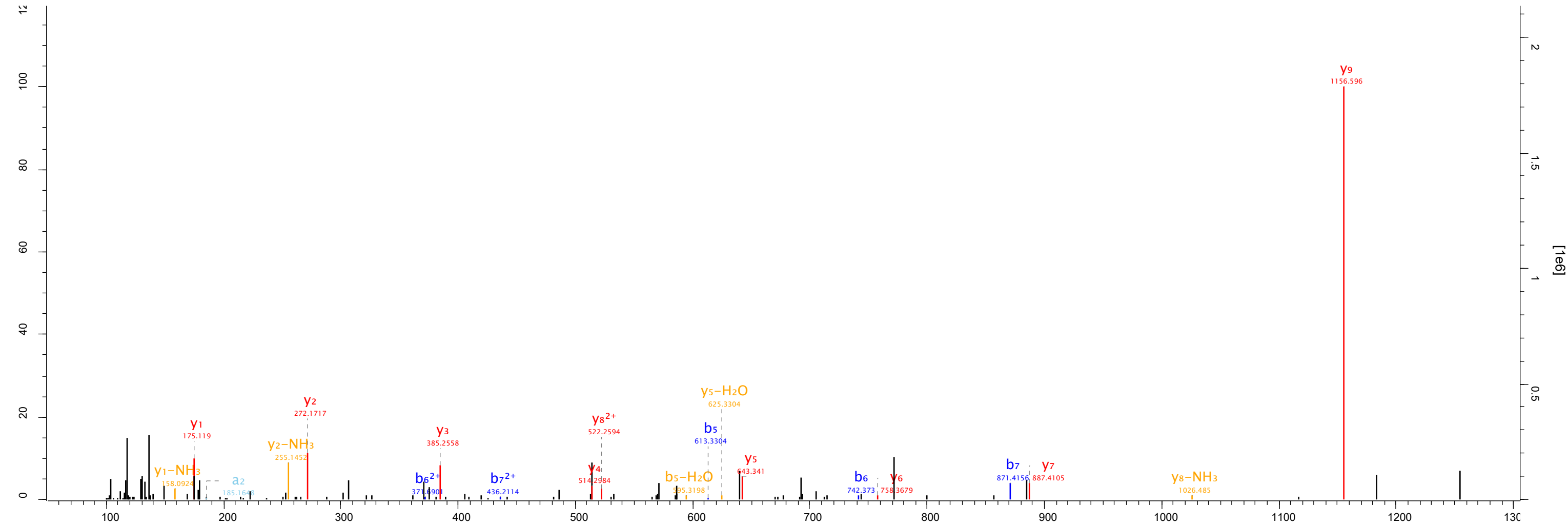


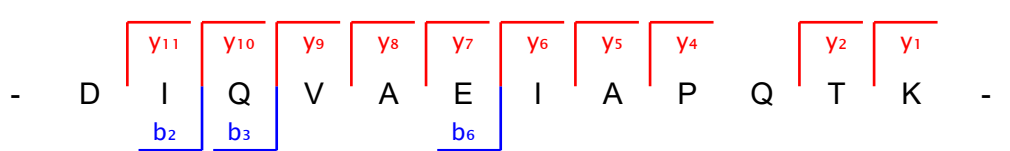
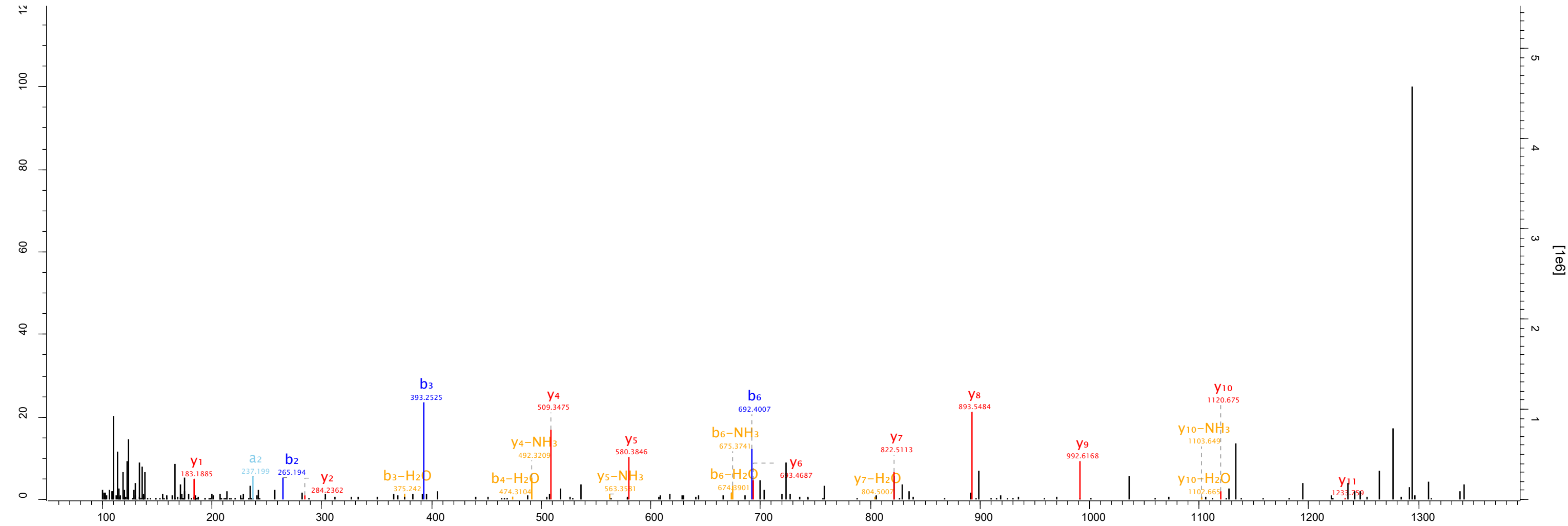


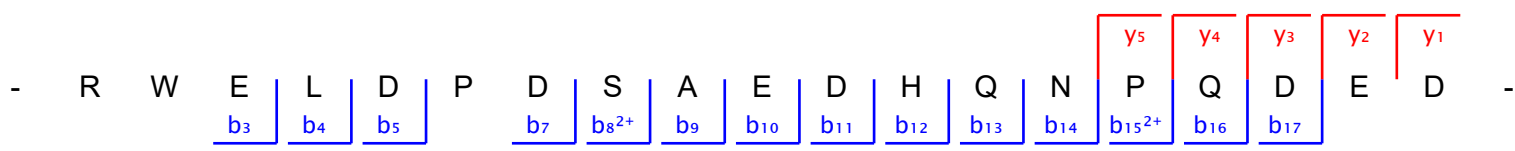
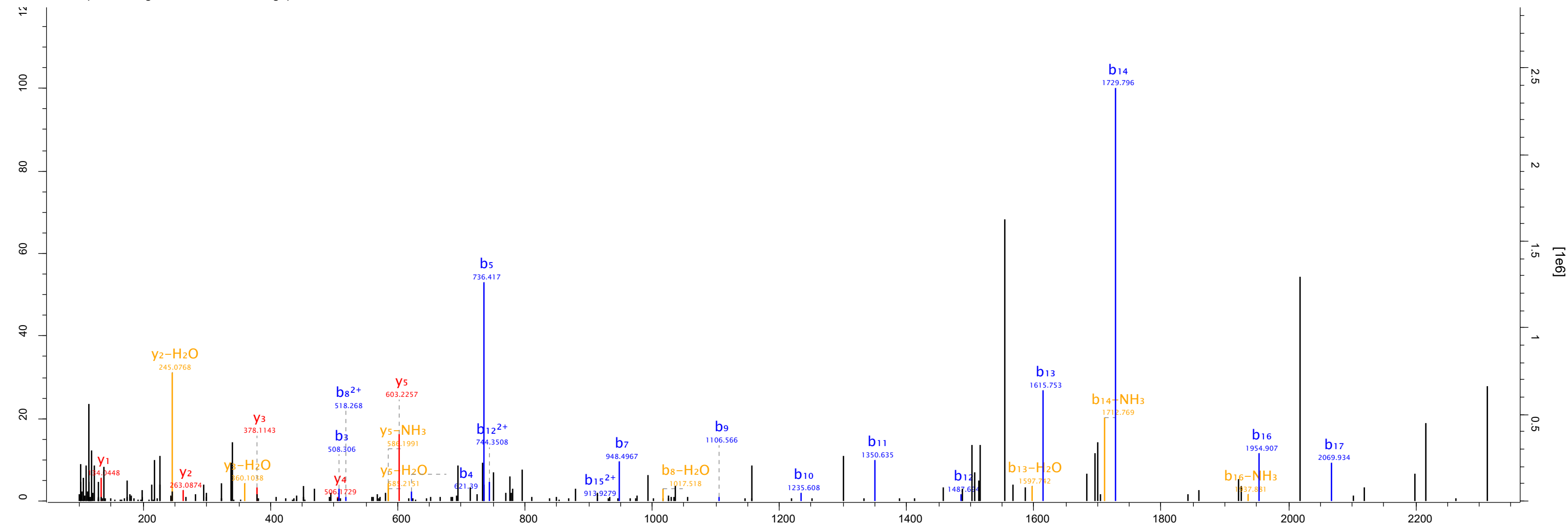


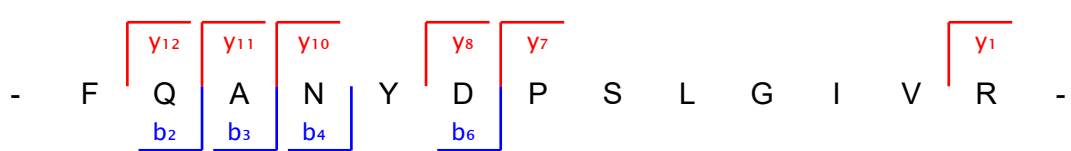
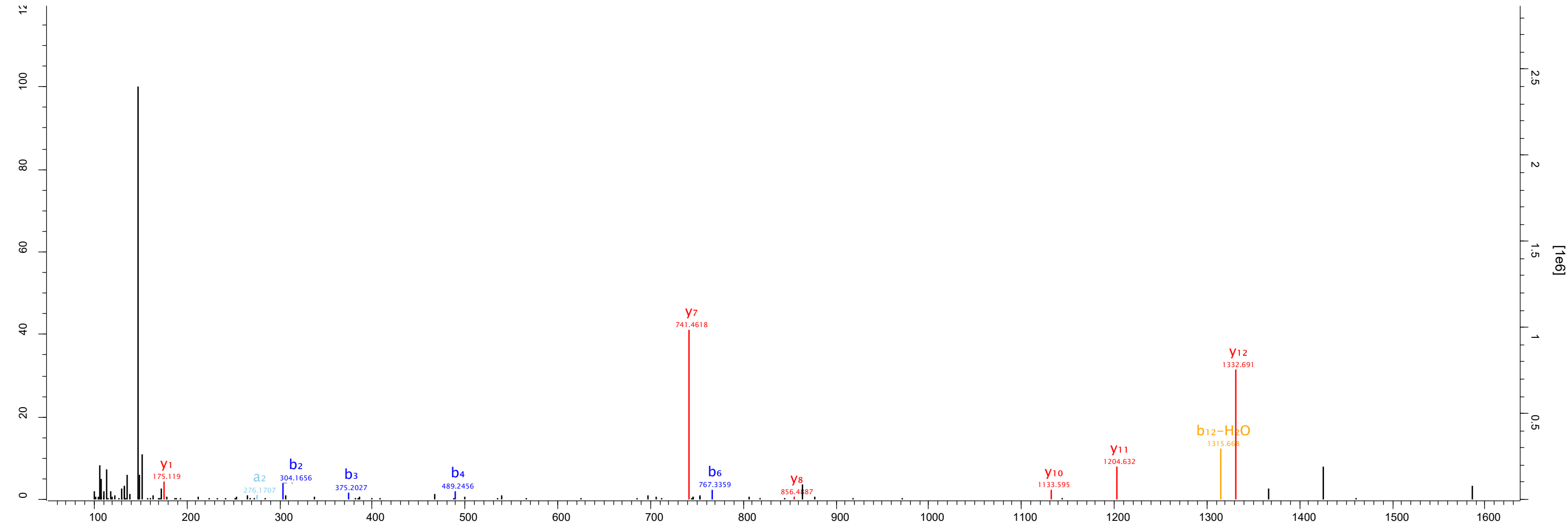
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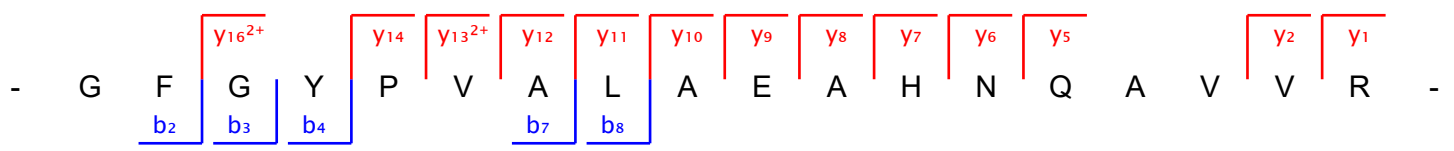
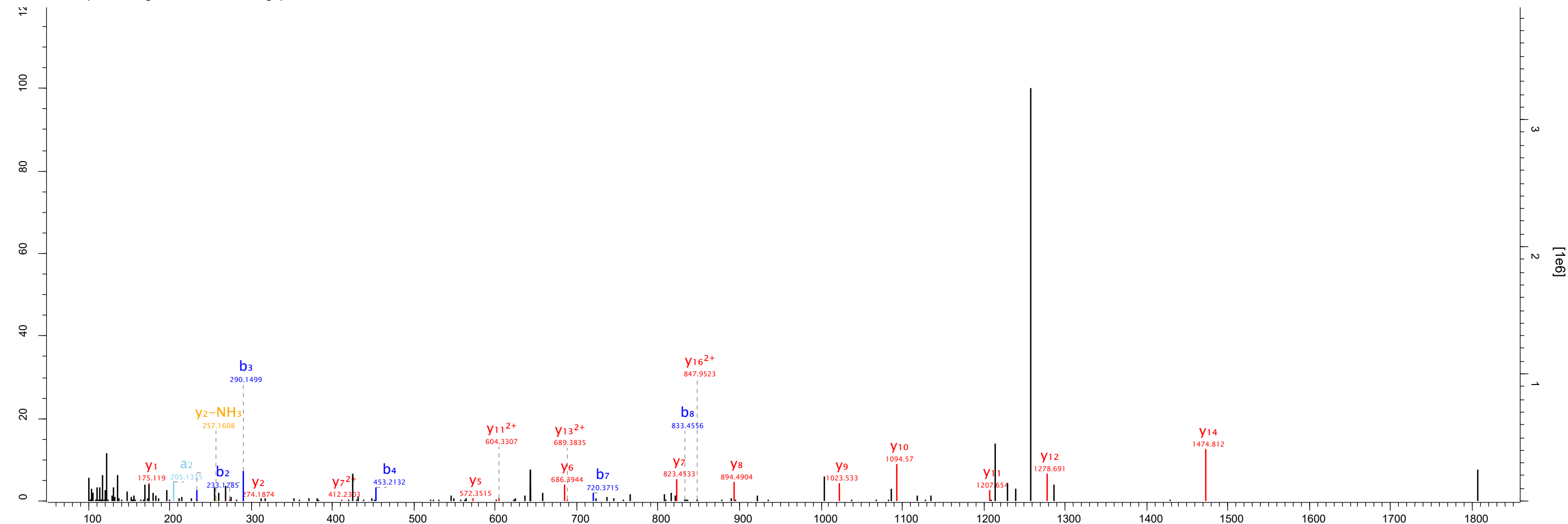
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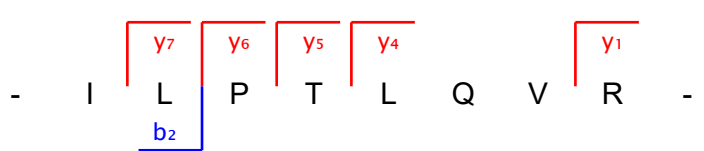
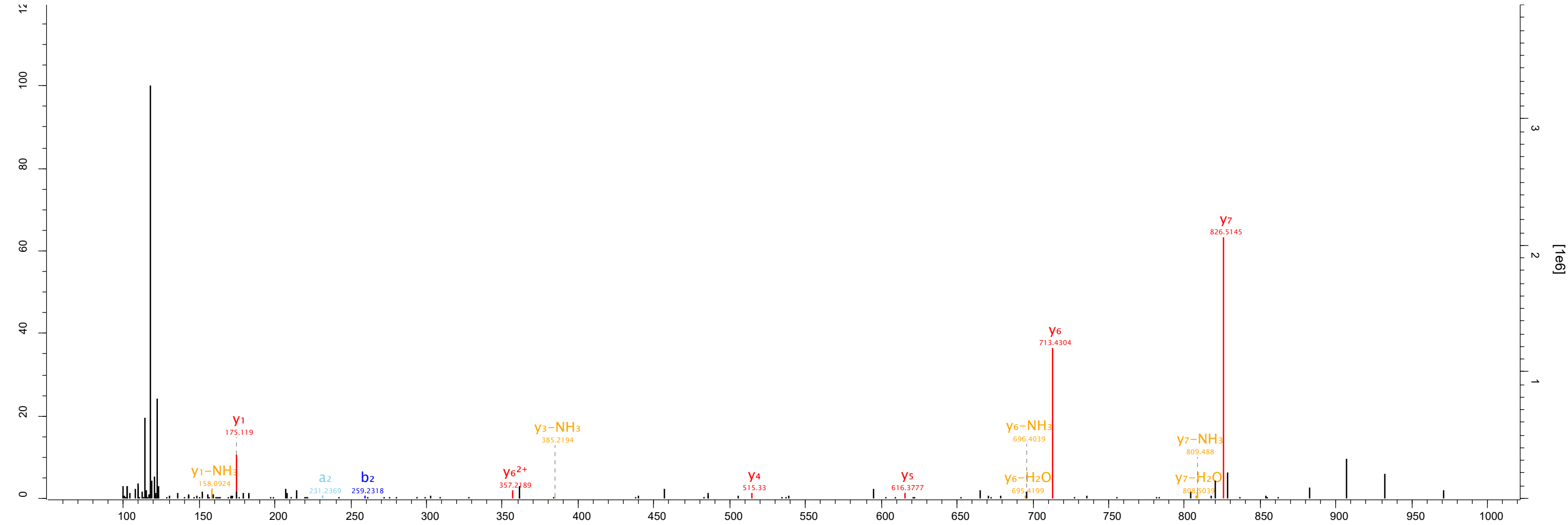


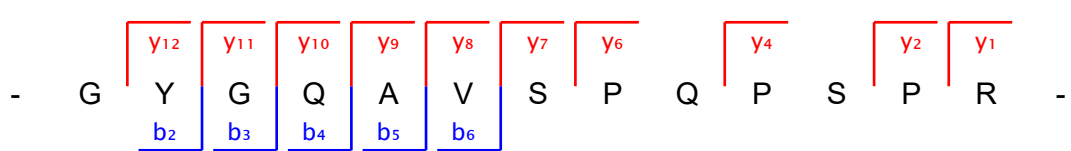
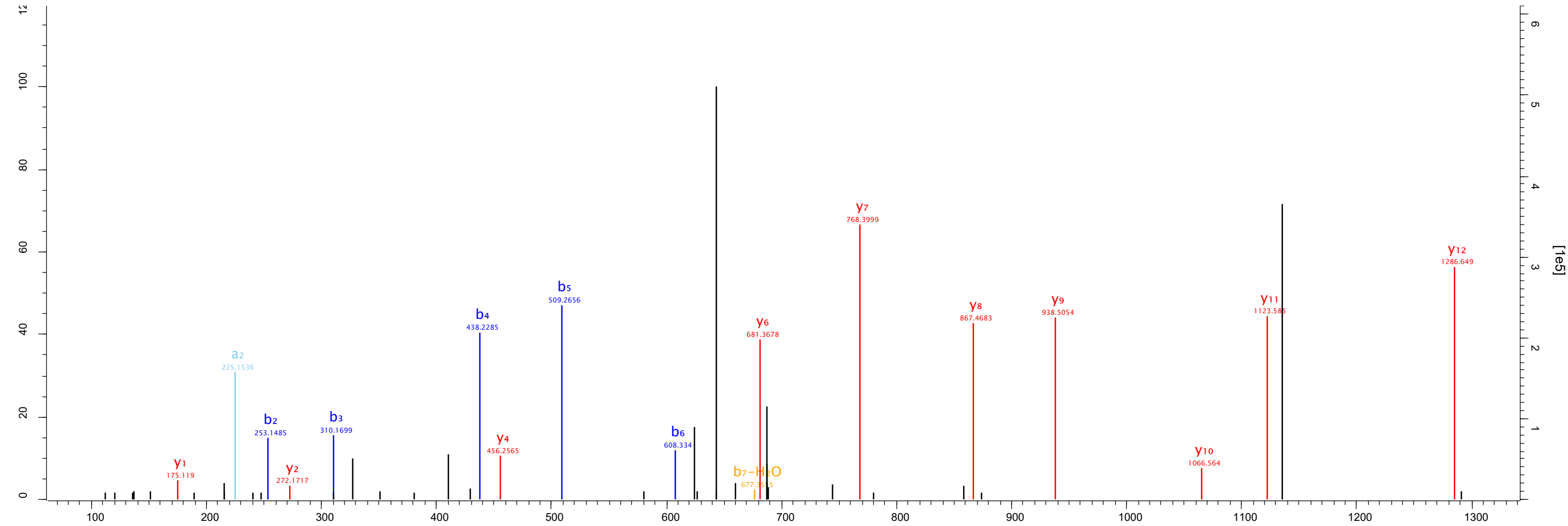


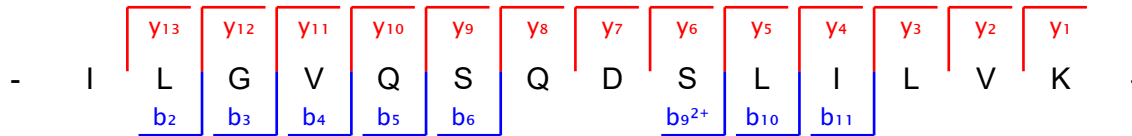
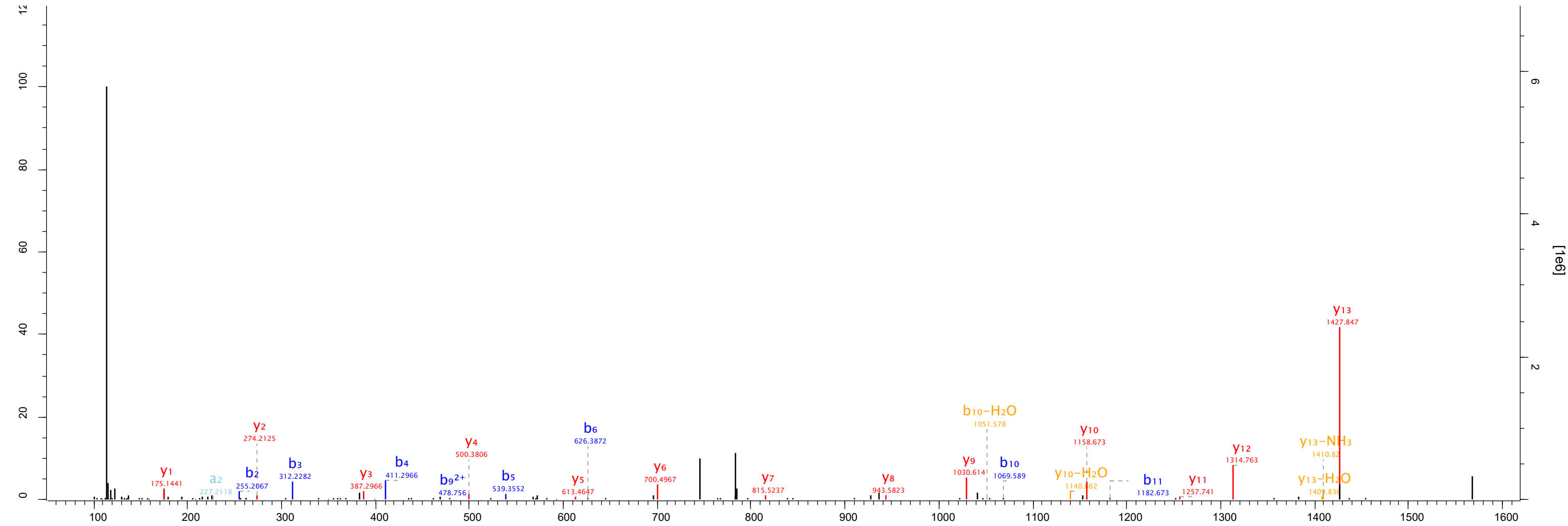


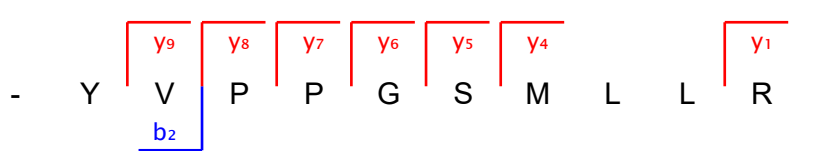
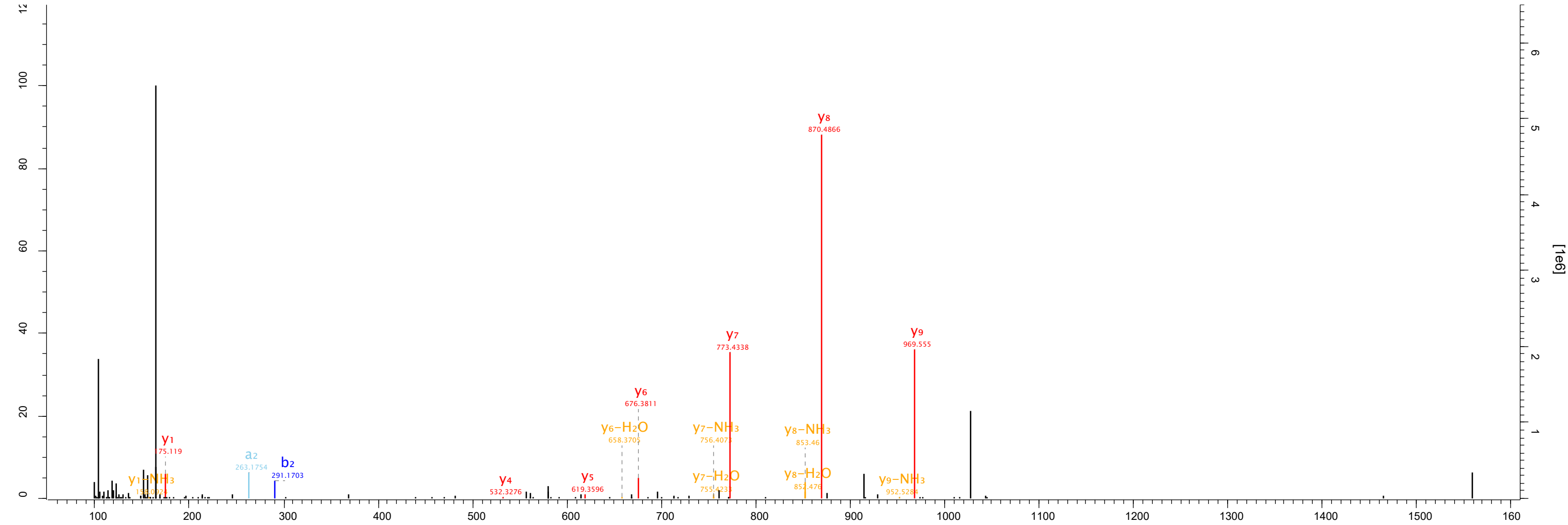


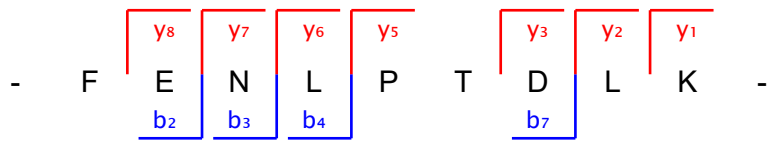
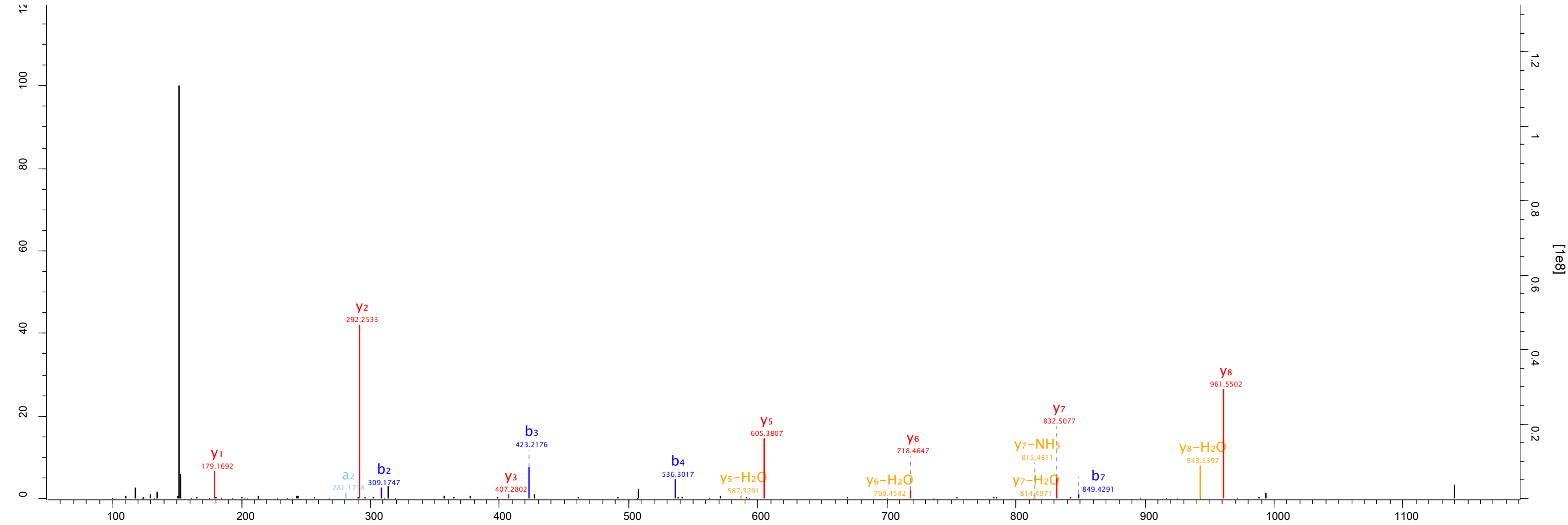


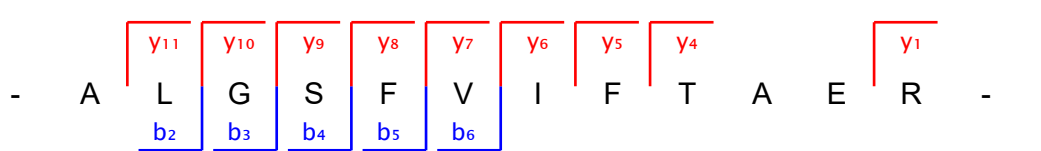
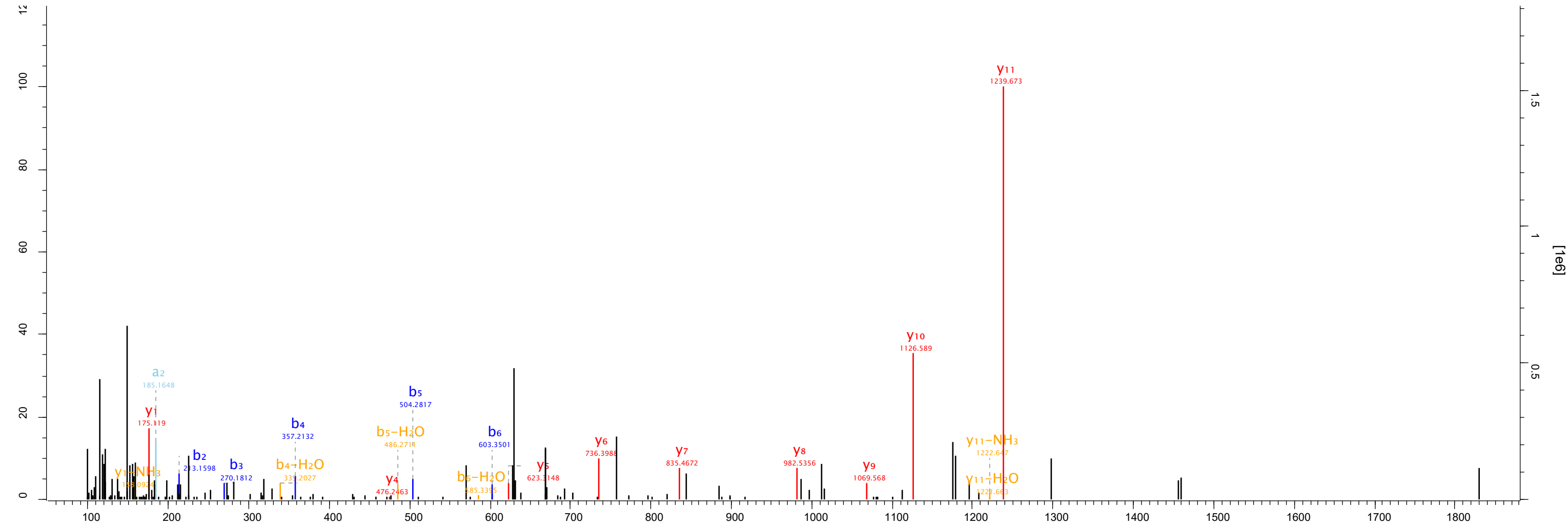


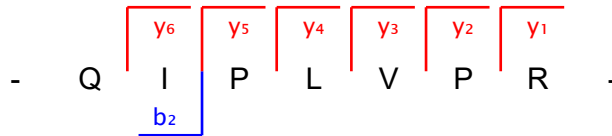
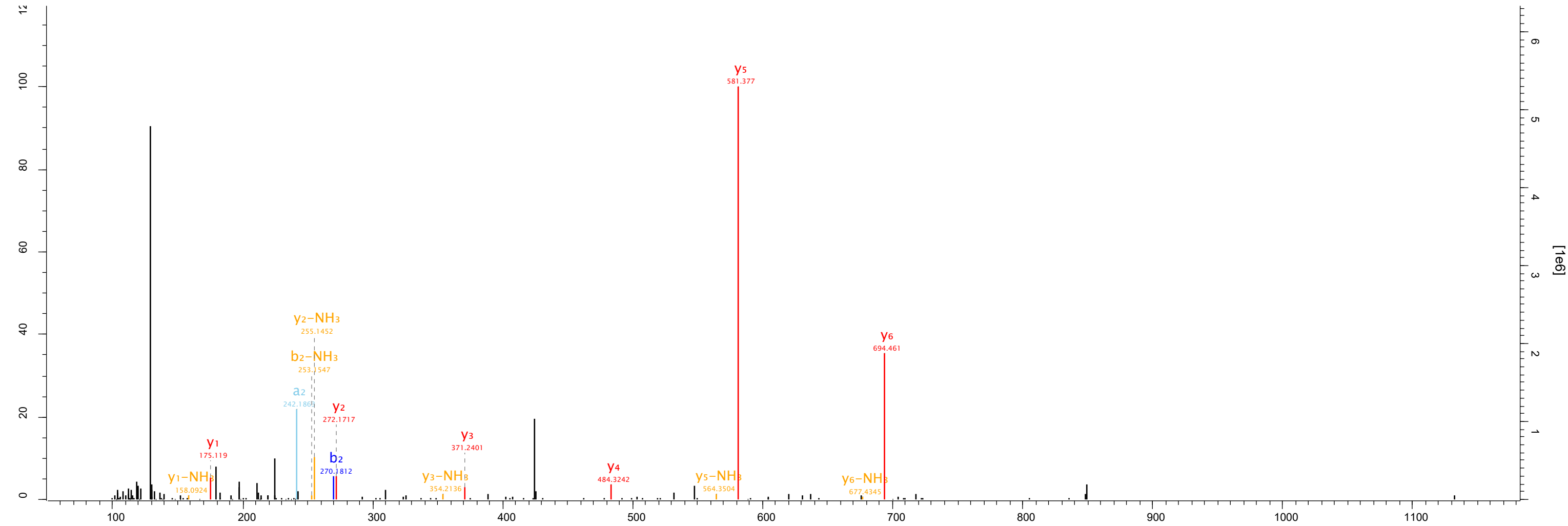






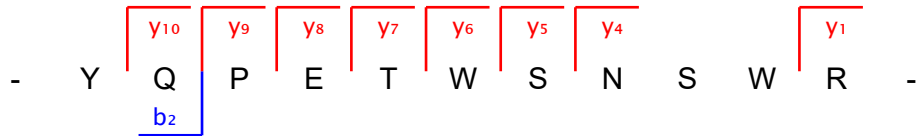
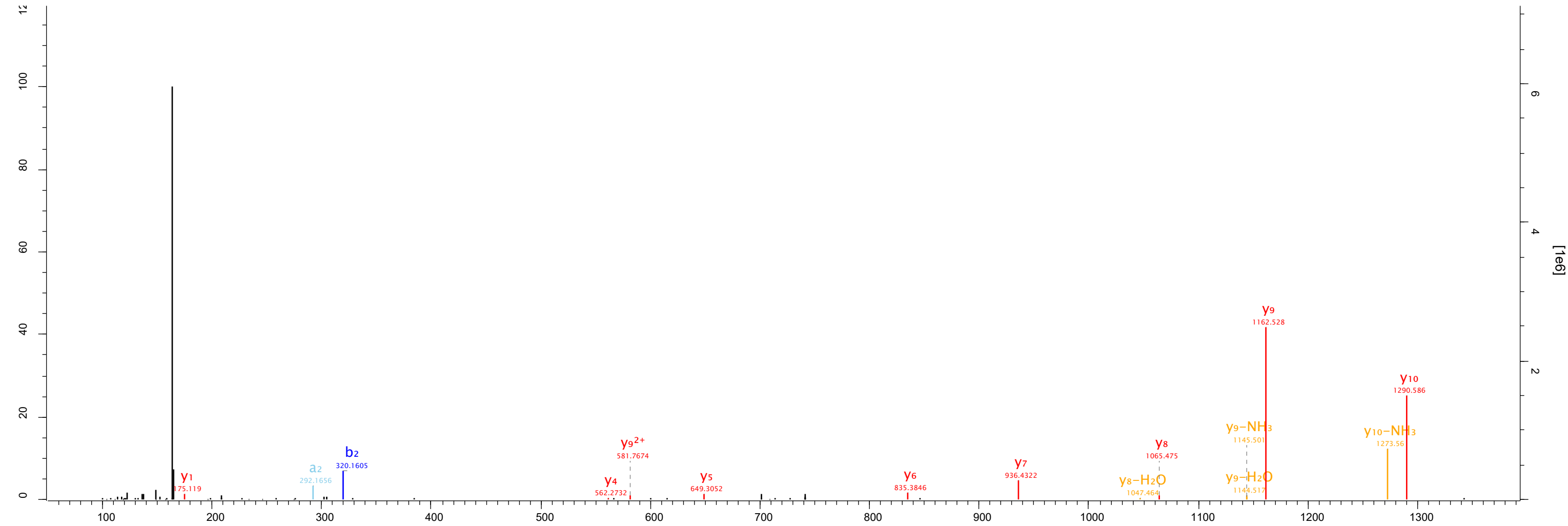


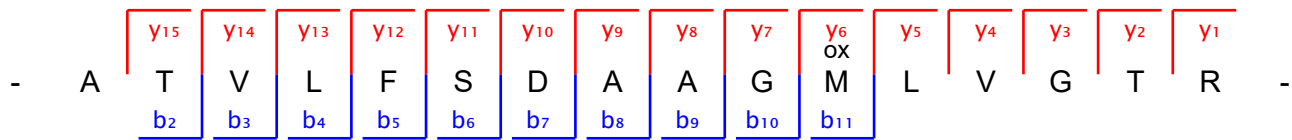
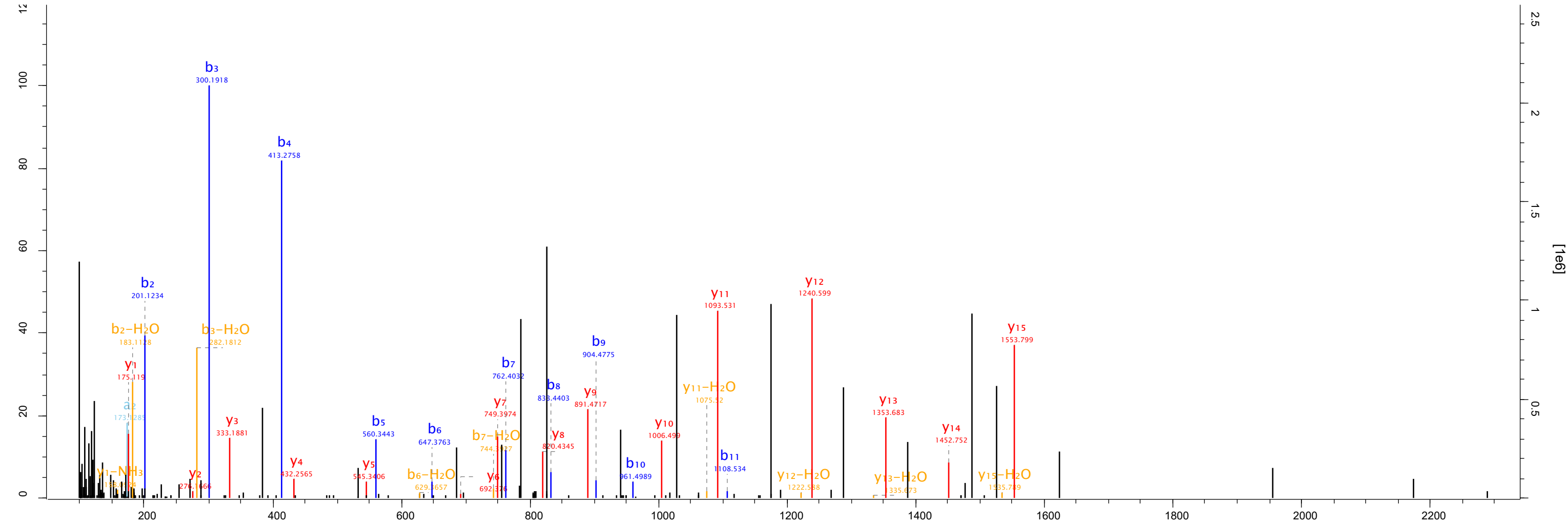


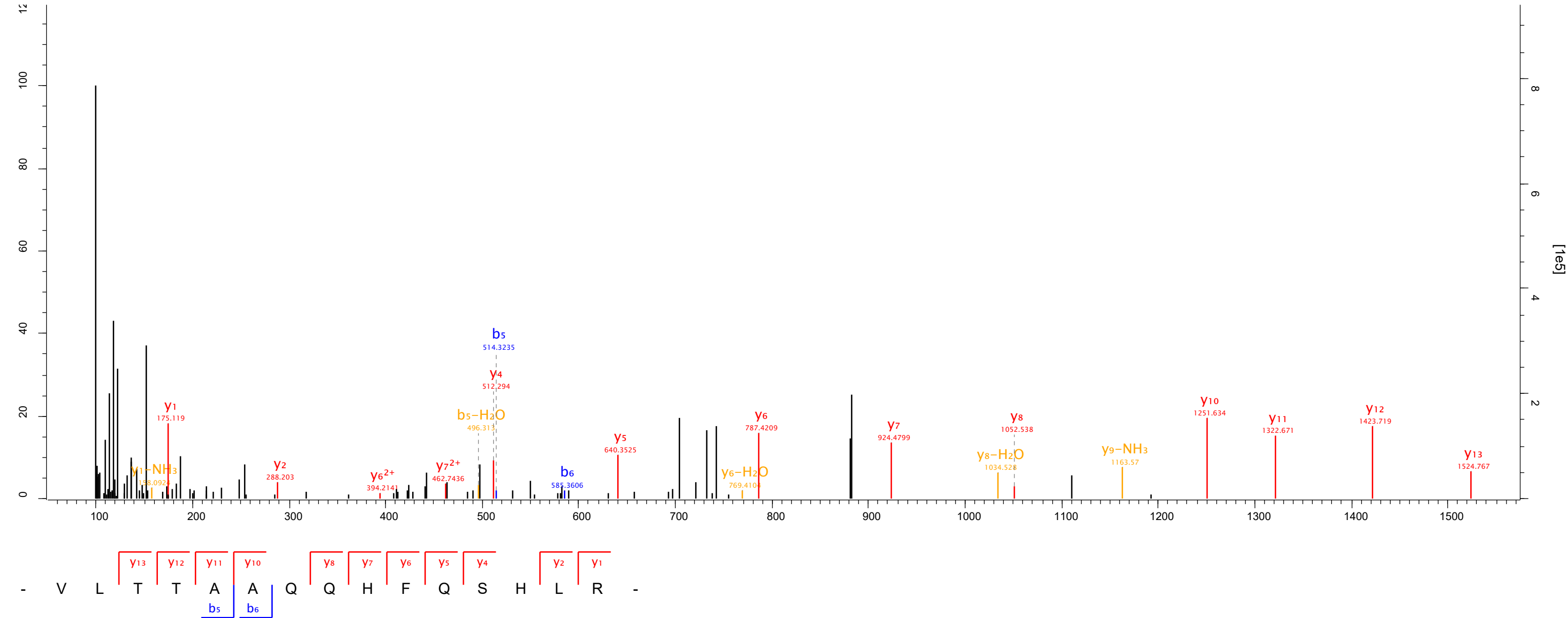


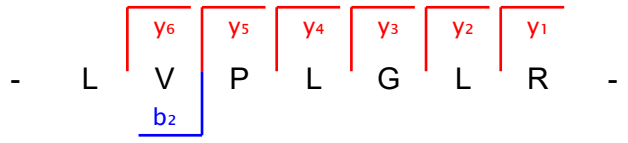
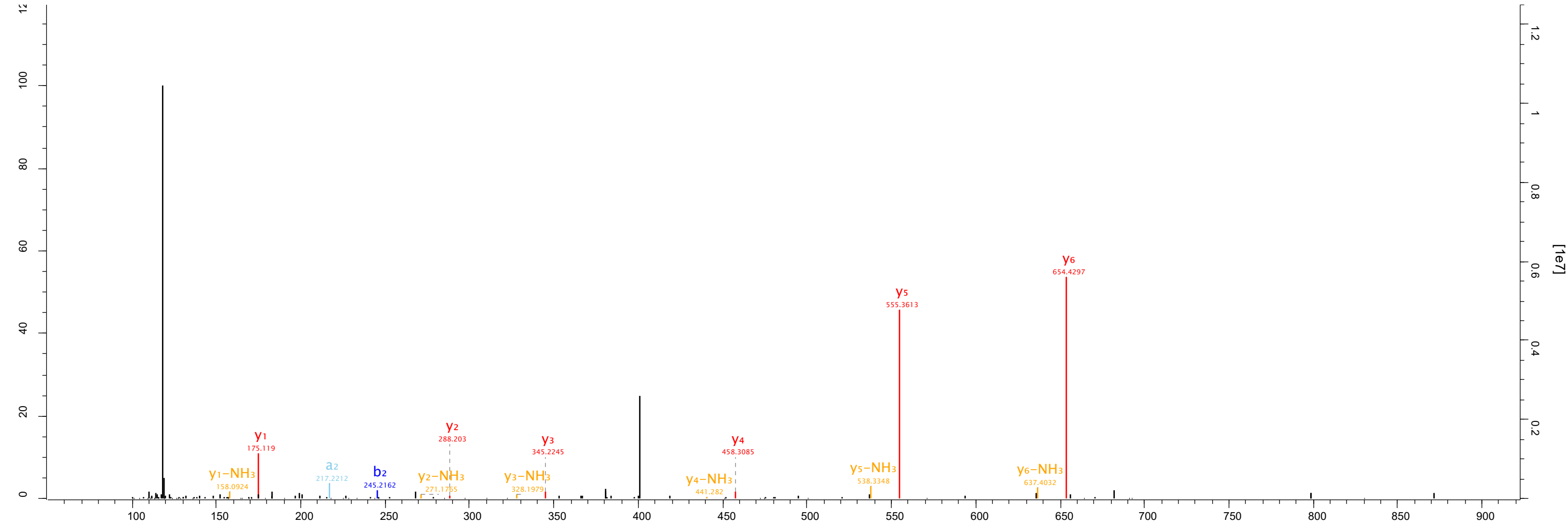
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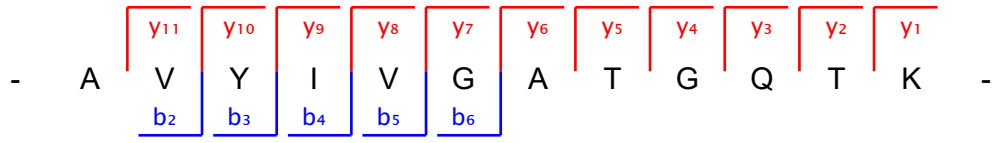
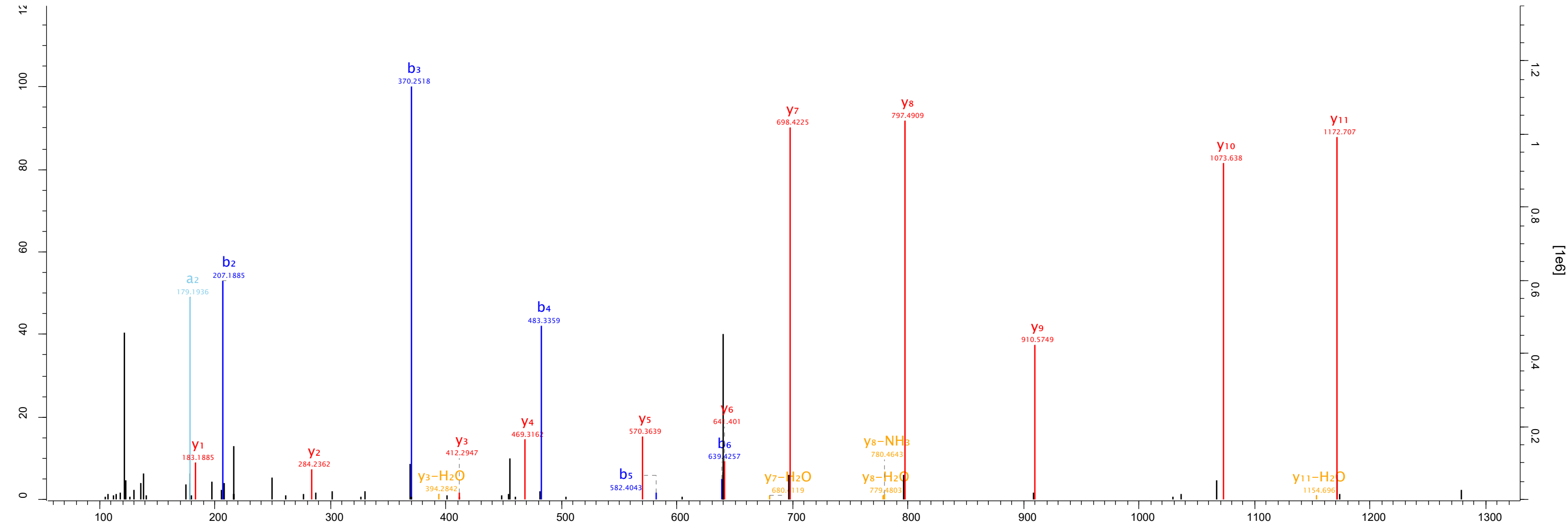
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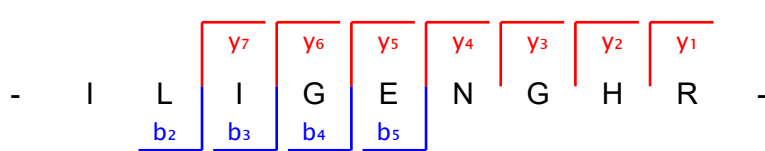
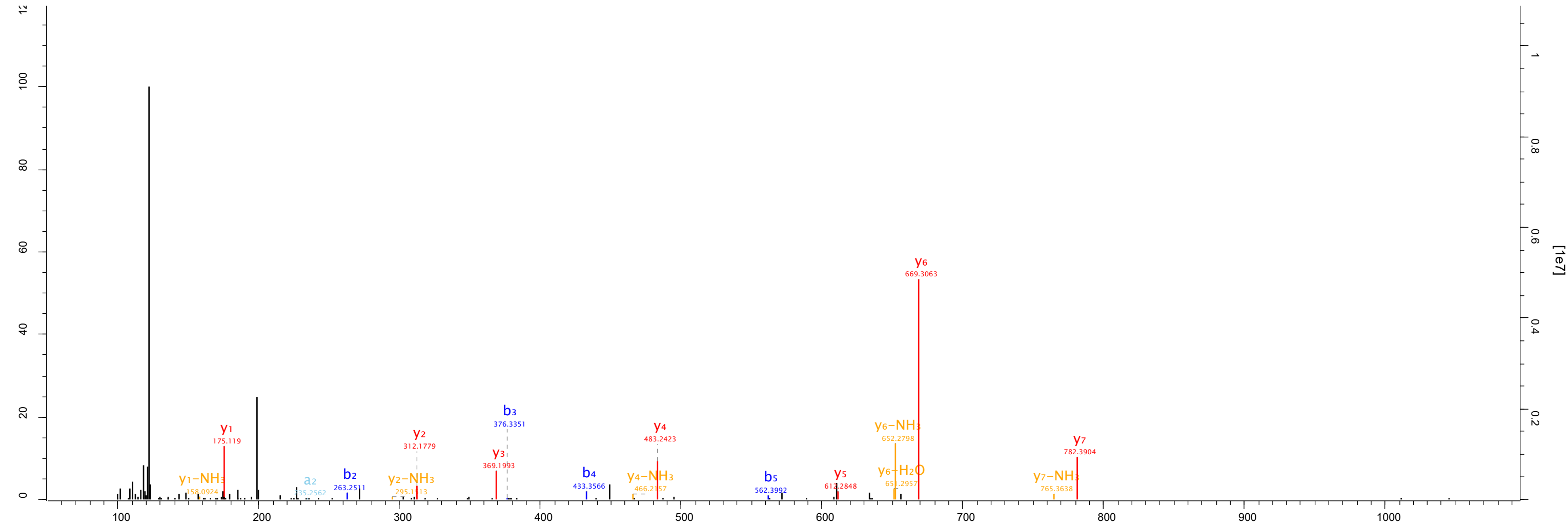


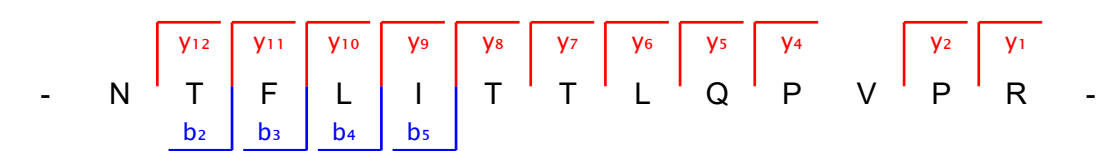
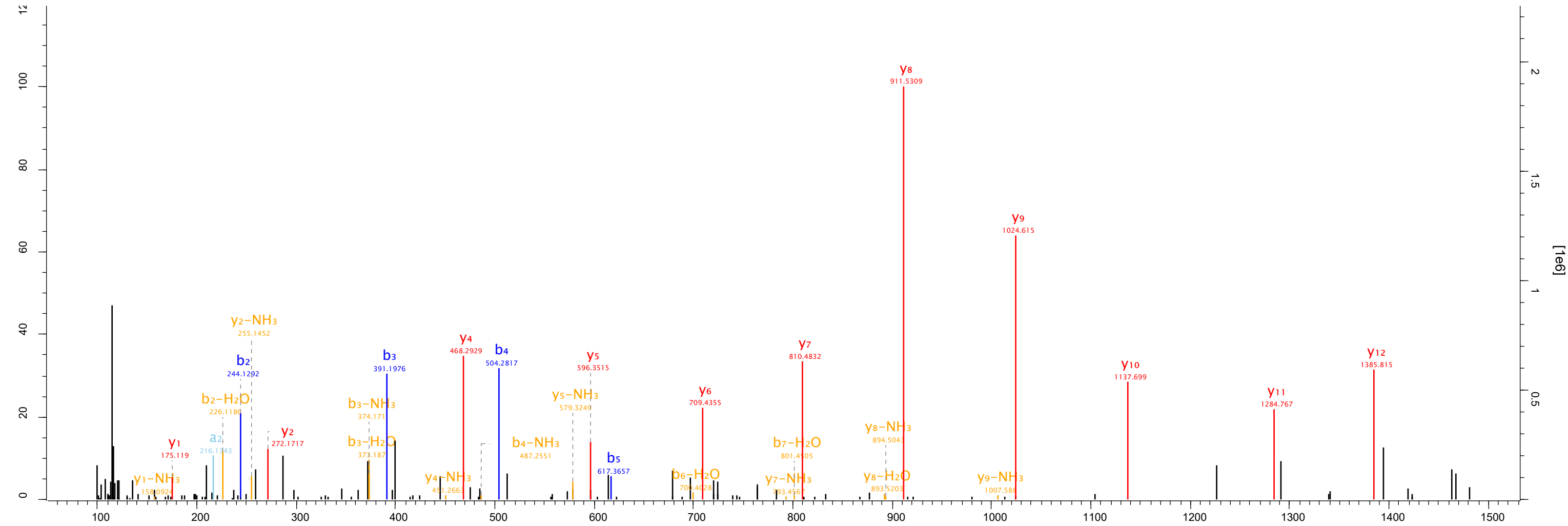


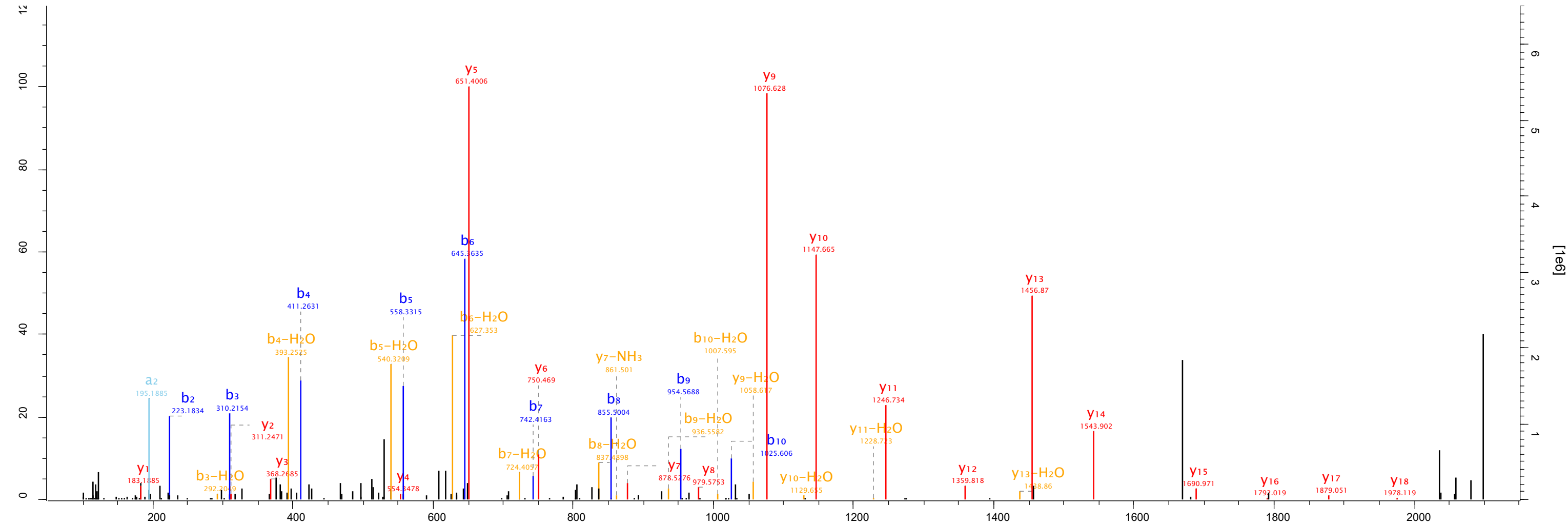






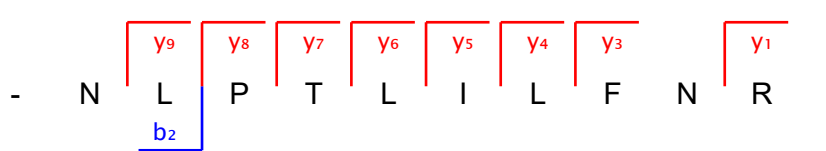
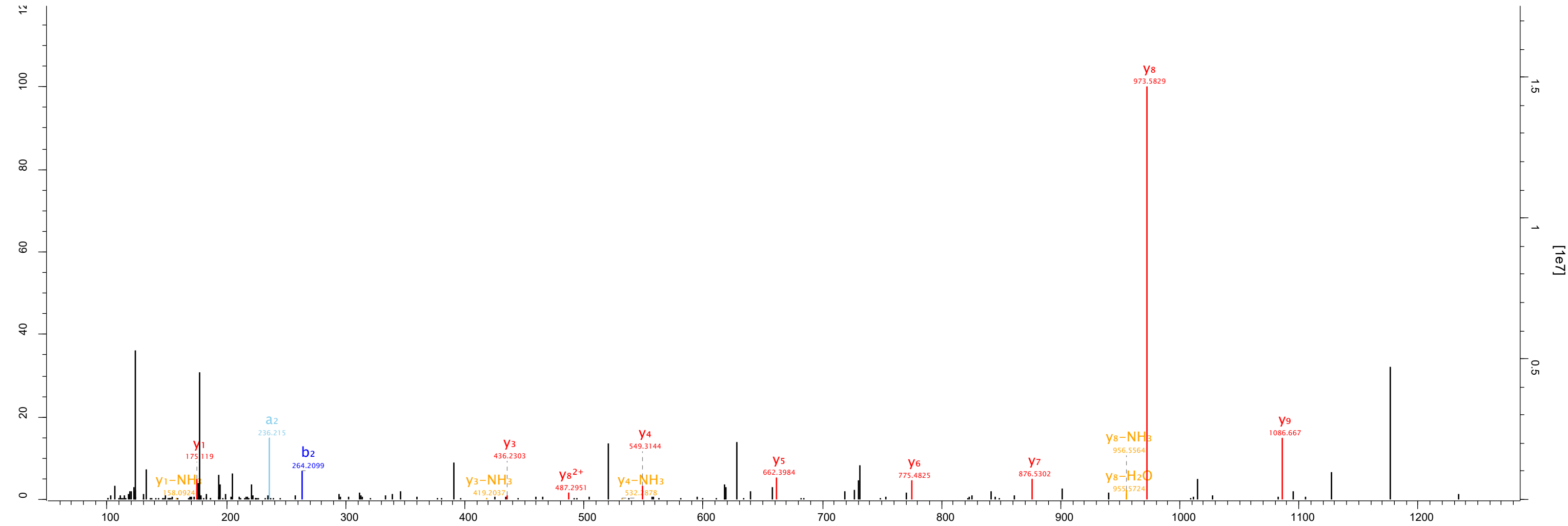


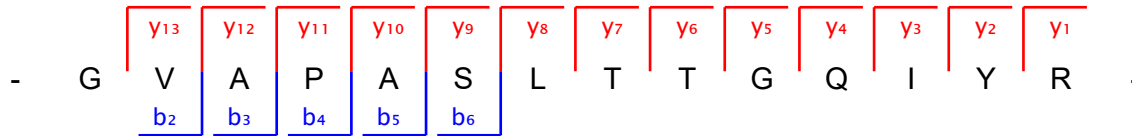
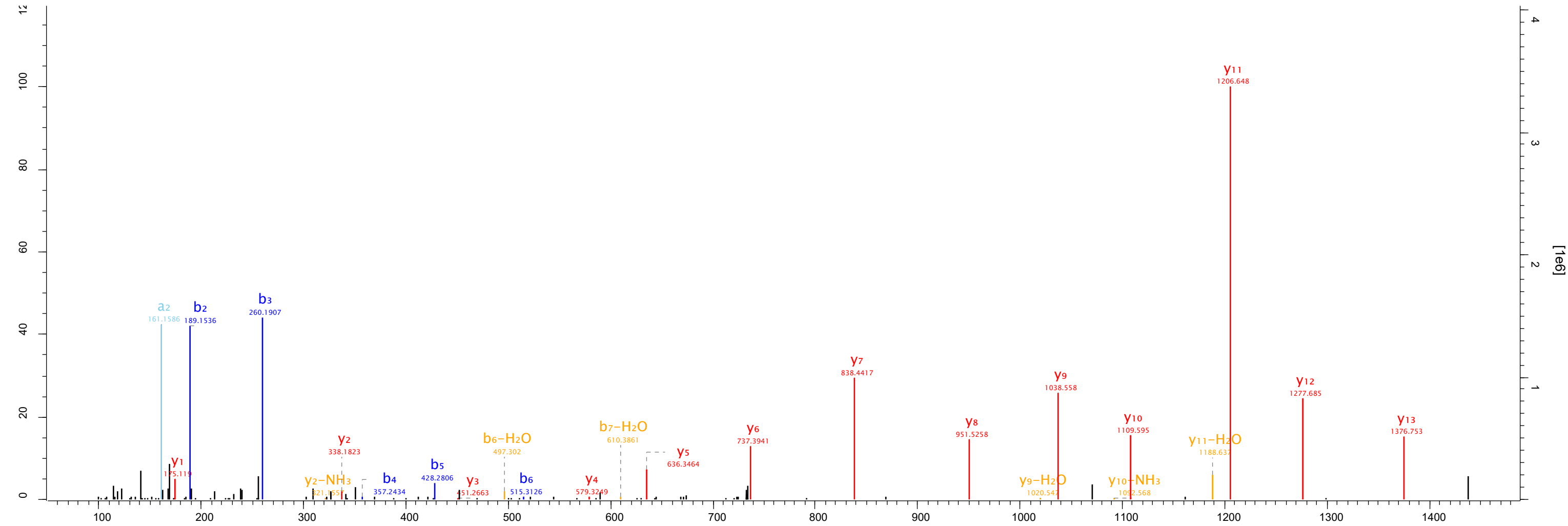


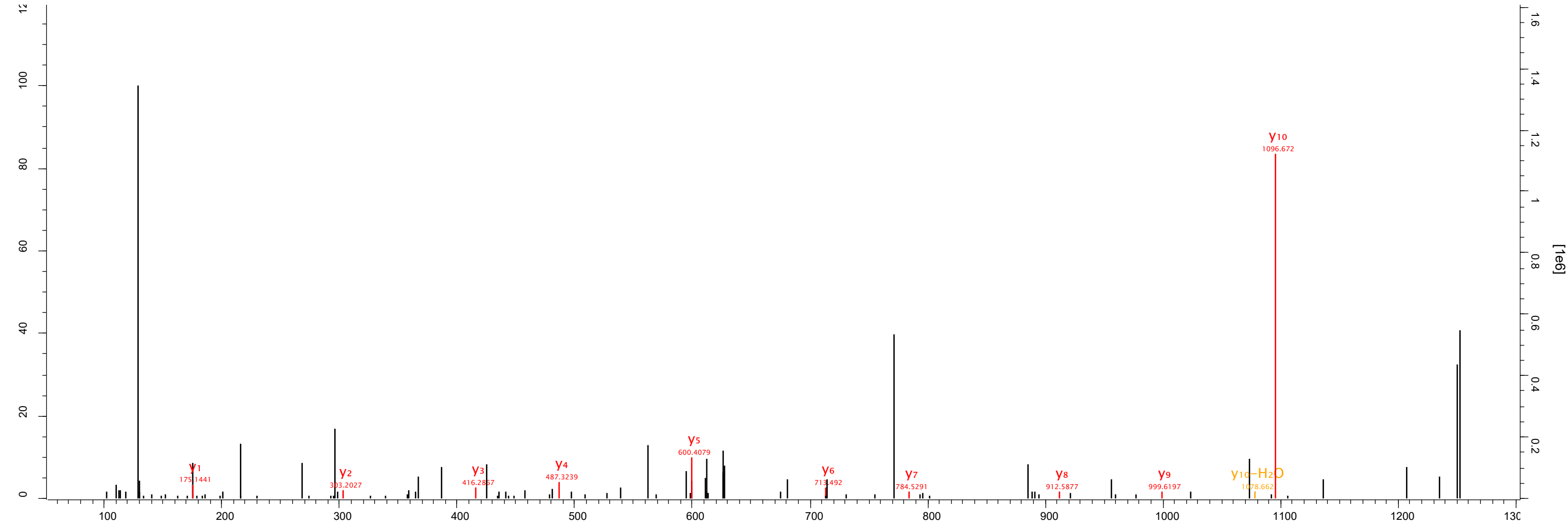


- S V S T F S P I V A P T Q V P W G Q K -

b2 b3 b4 b5 b6 b7 b8 b9 b10

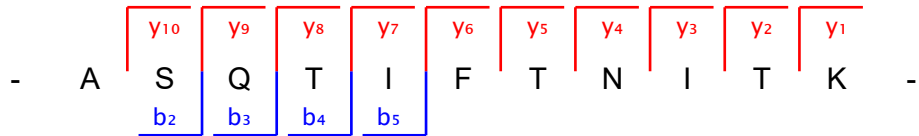
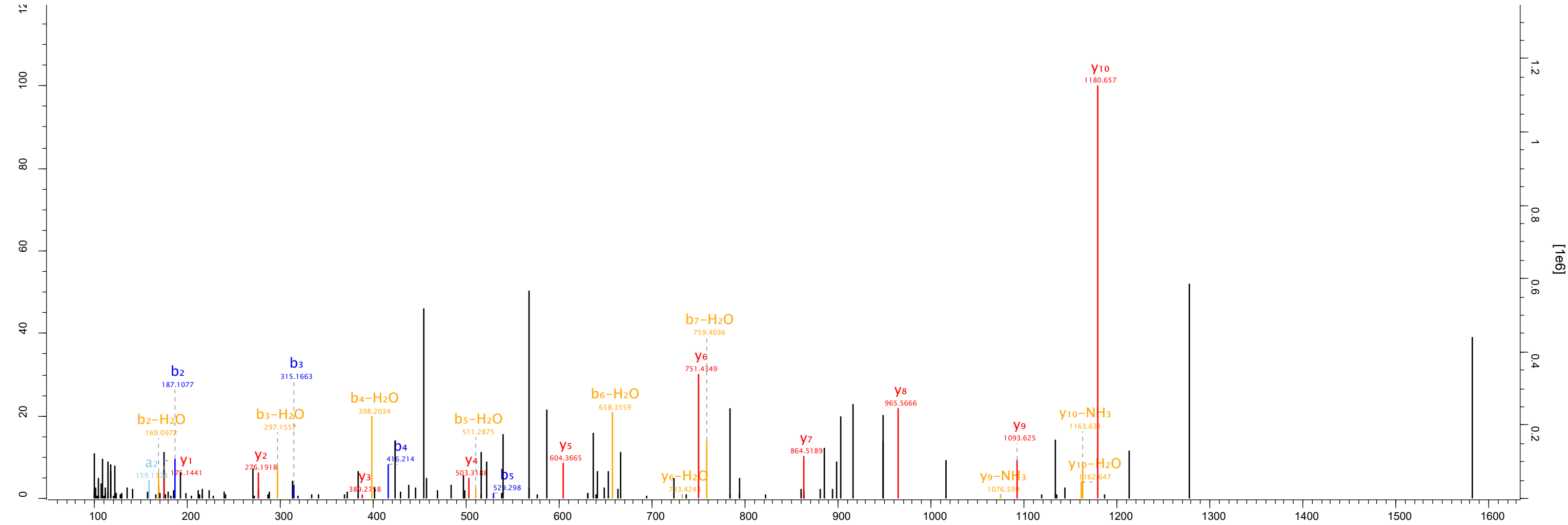


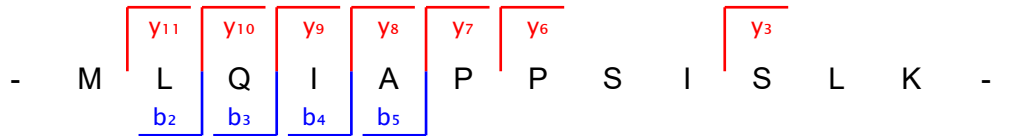
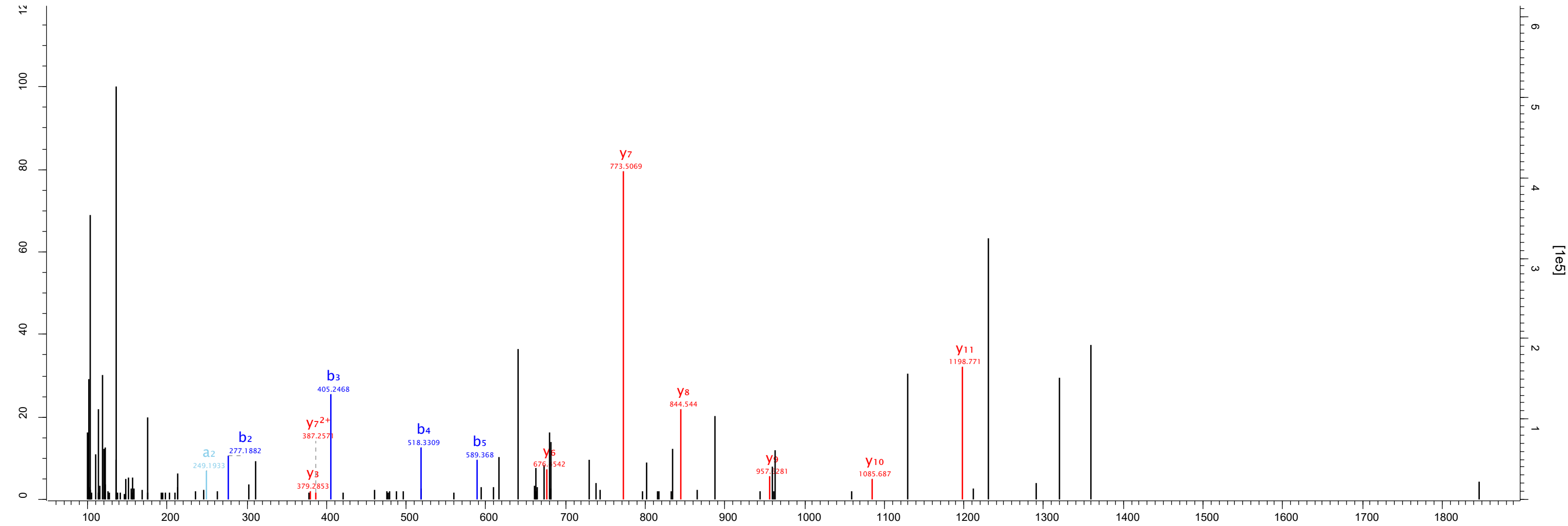


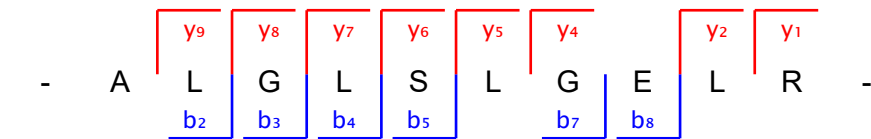
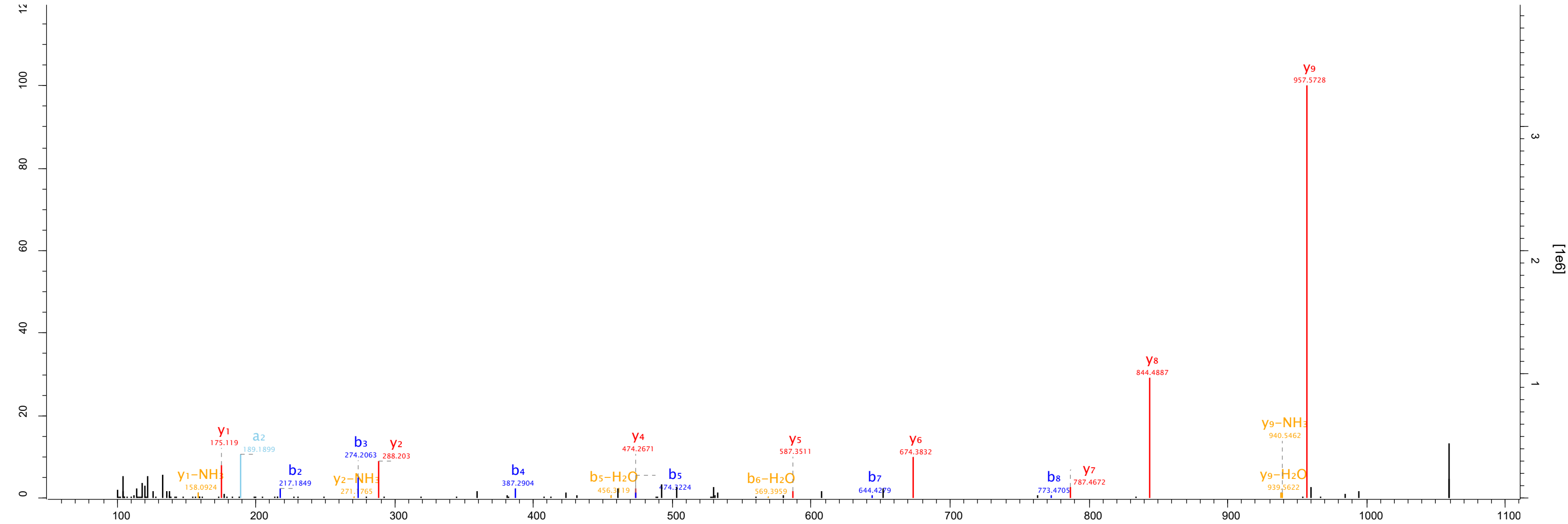


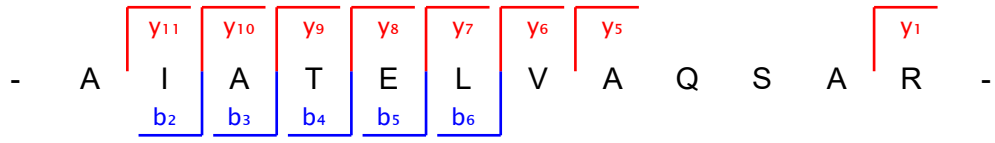
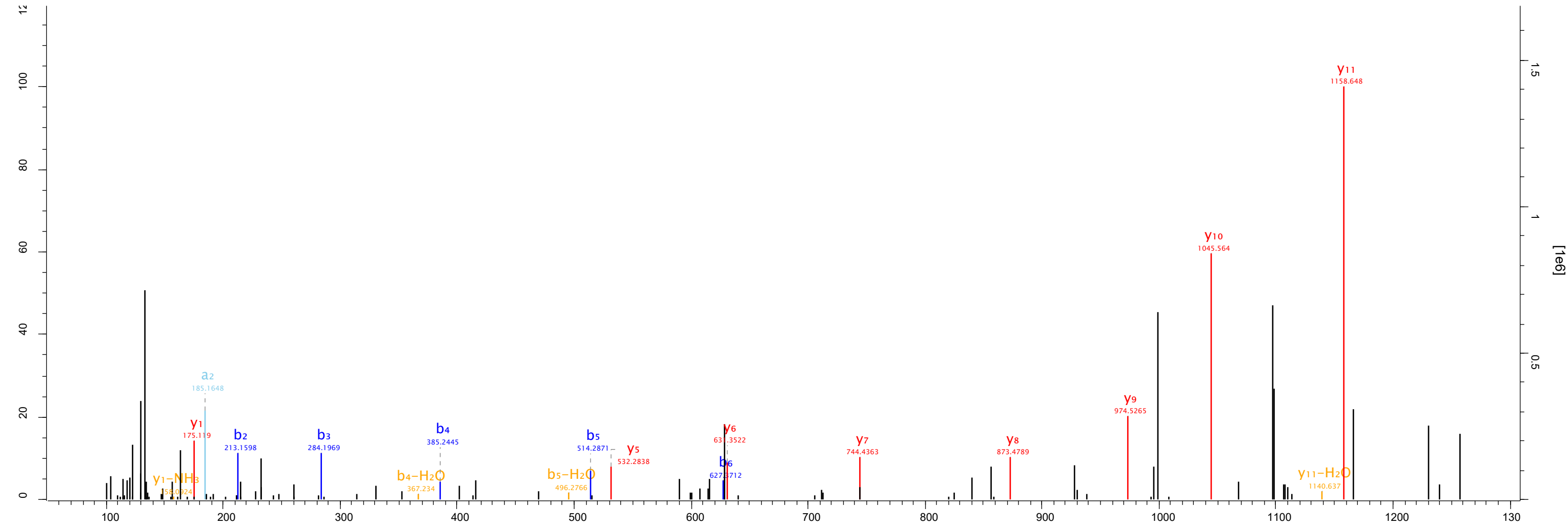
- Q P S Q A L L A L Q K -

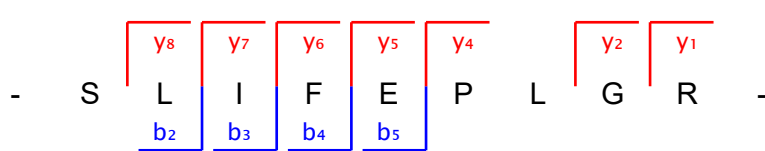
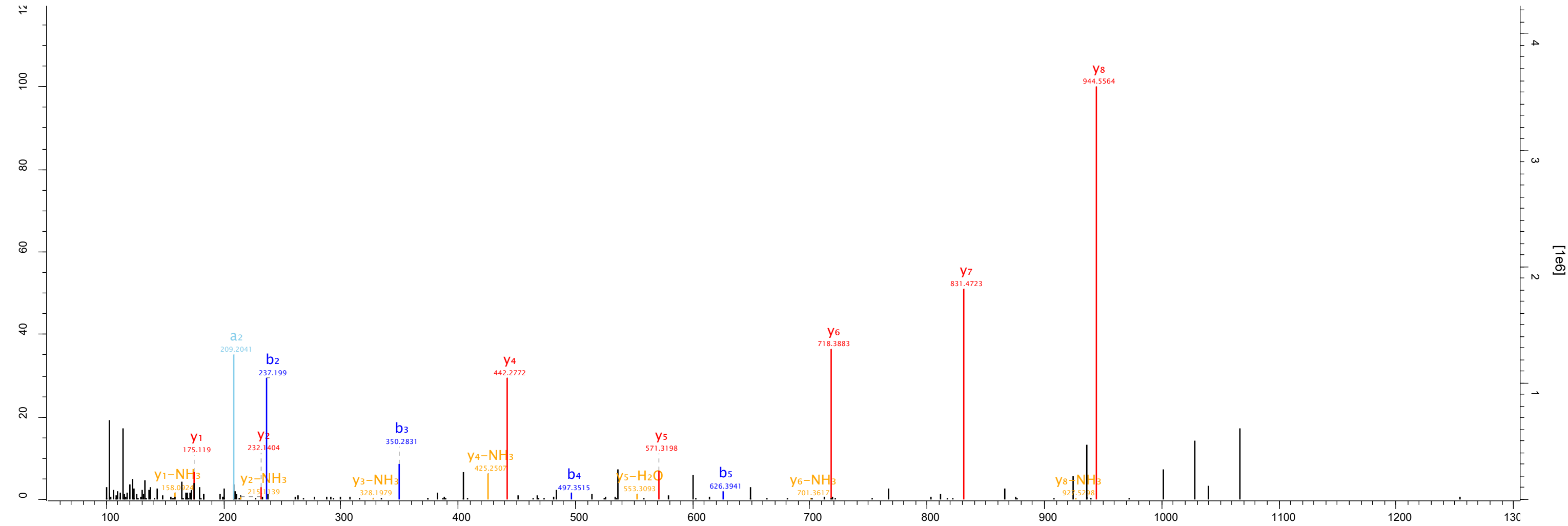
Red brackets above the sequence indicate the fragmentation sites for the y-series ions: y10 (between P and S), y9 (between S and Q), y8 (between Q and A), y7 (between A and L), y6 (between L and L), y5 (between L and A), y4 (between A and L), y3 (between L and Q), y2 (between Q and K), and y1 (between K and -).

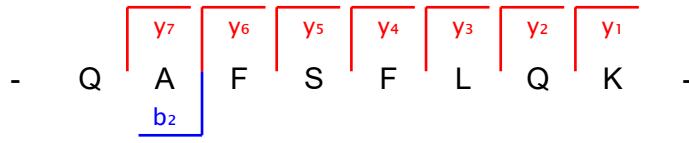
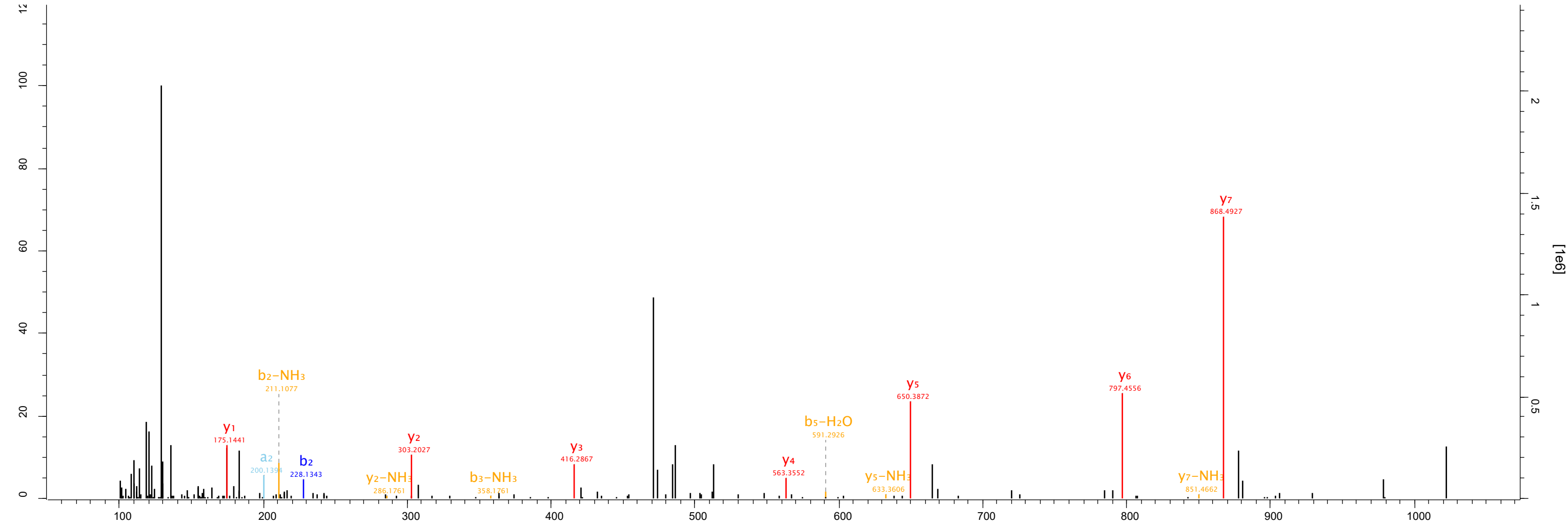


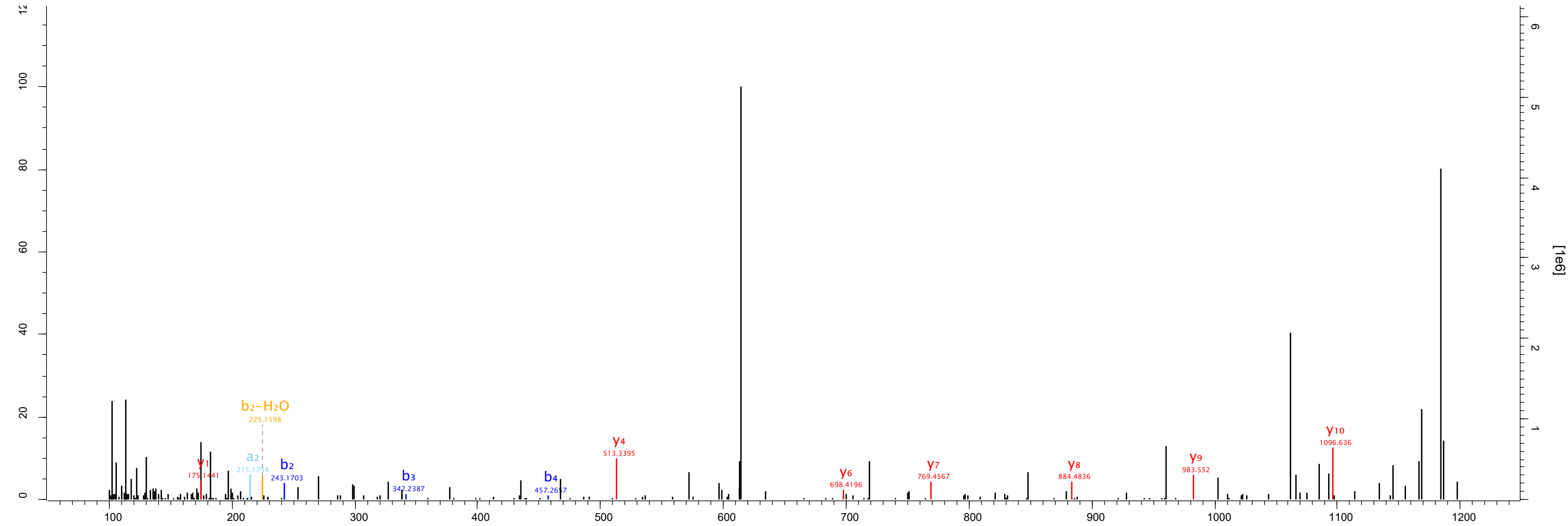


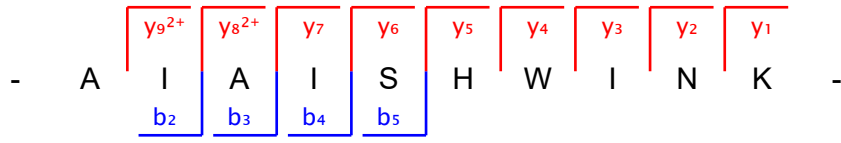
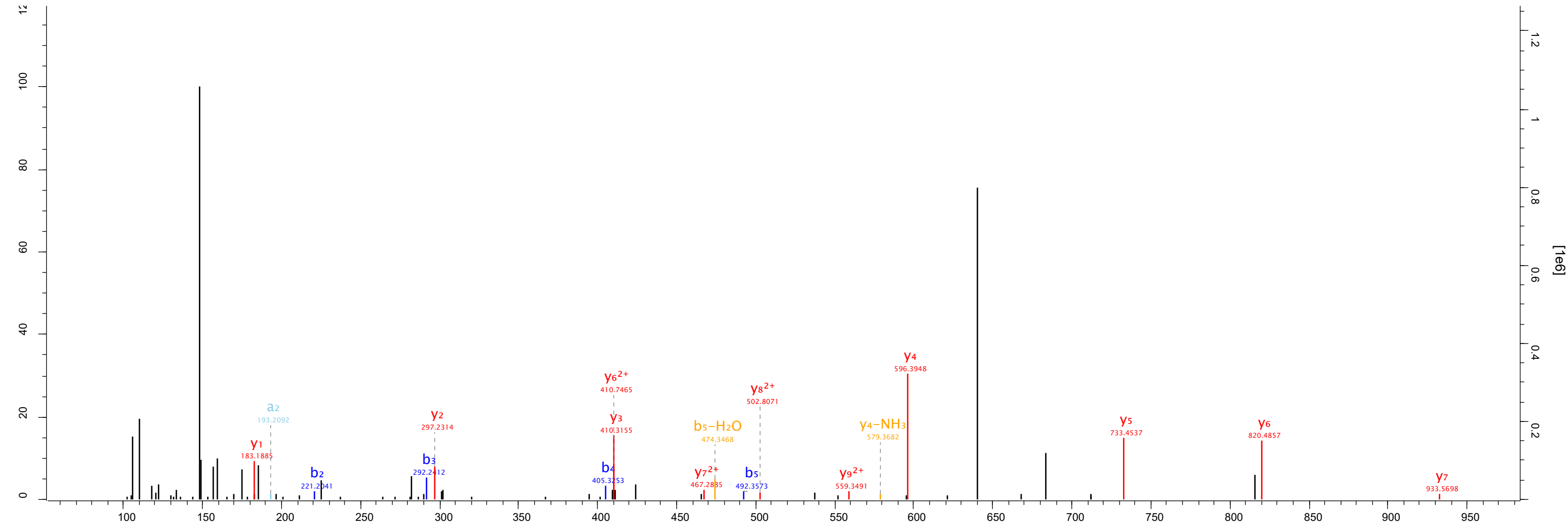


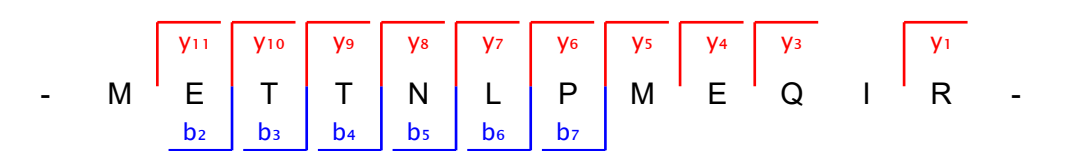
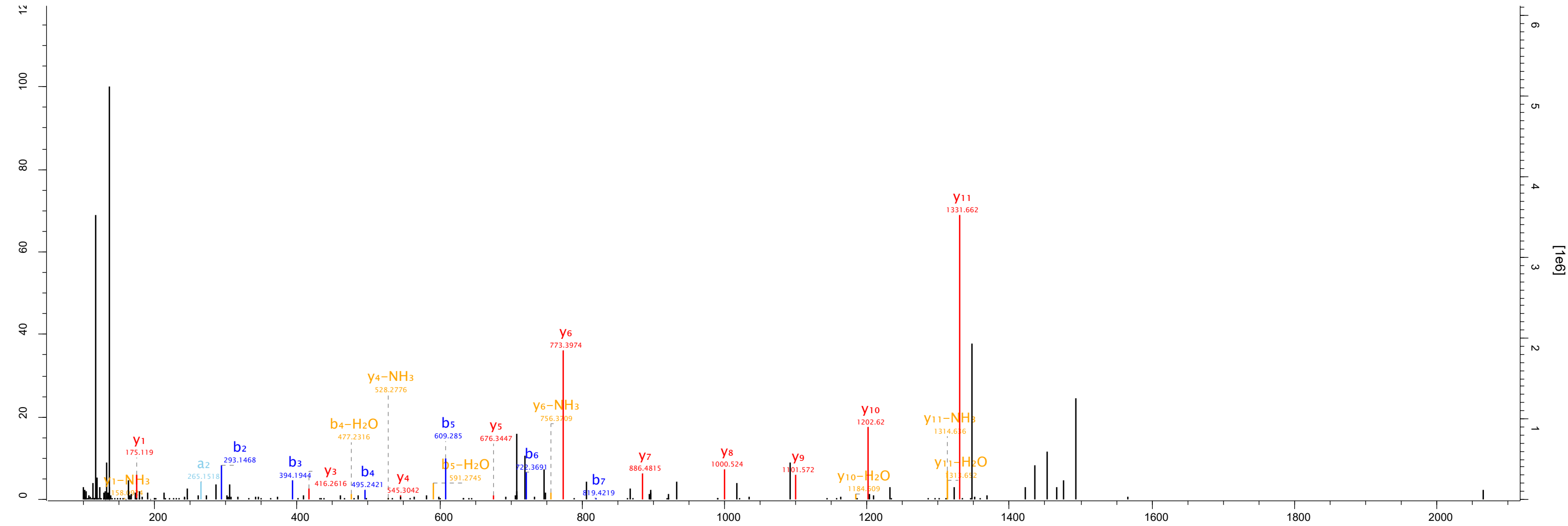


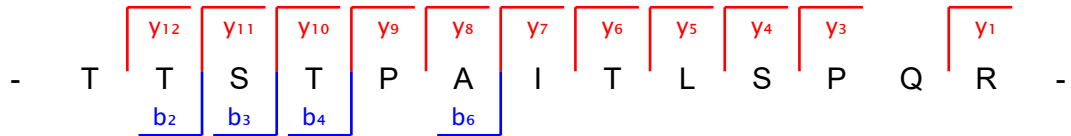
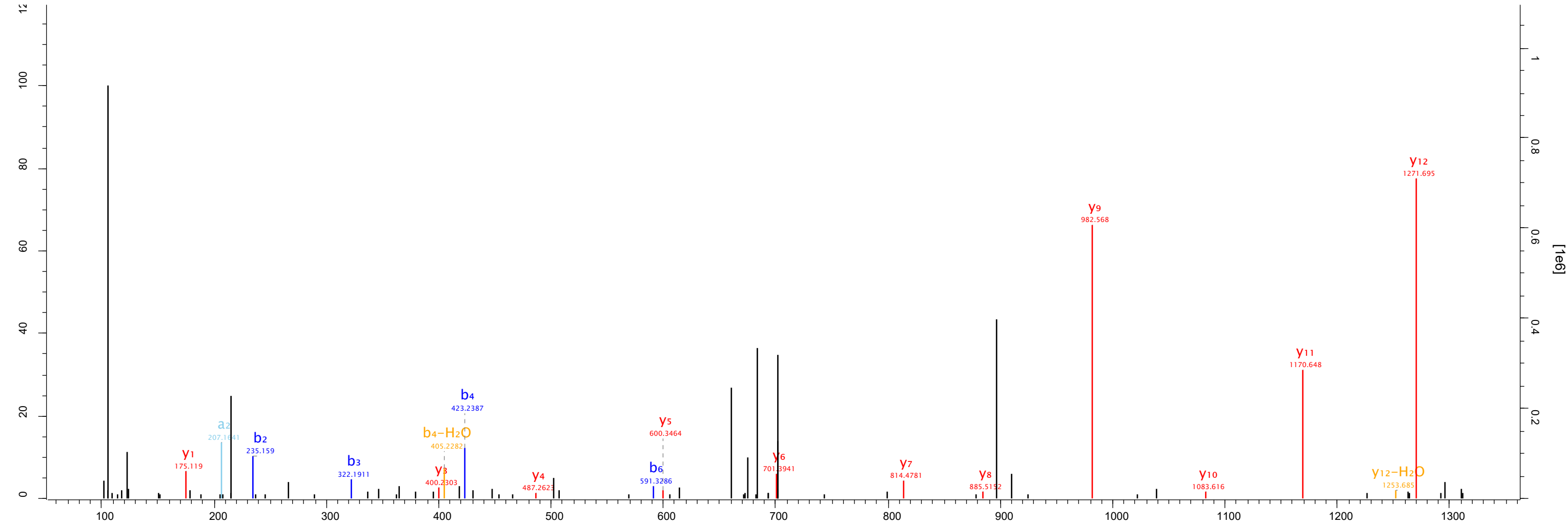


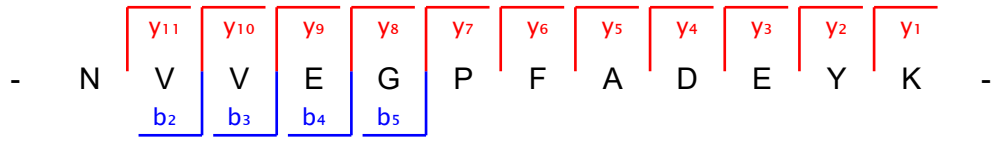
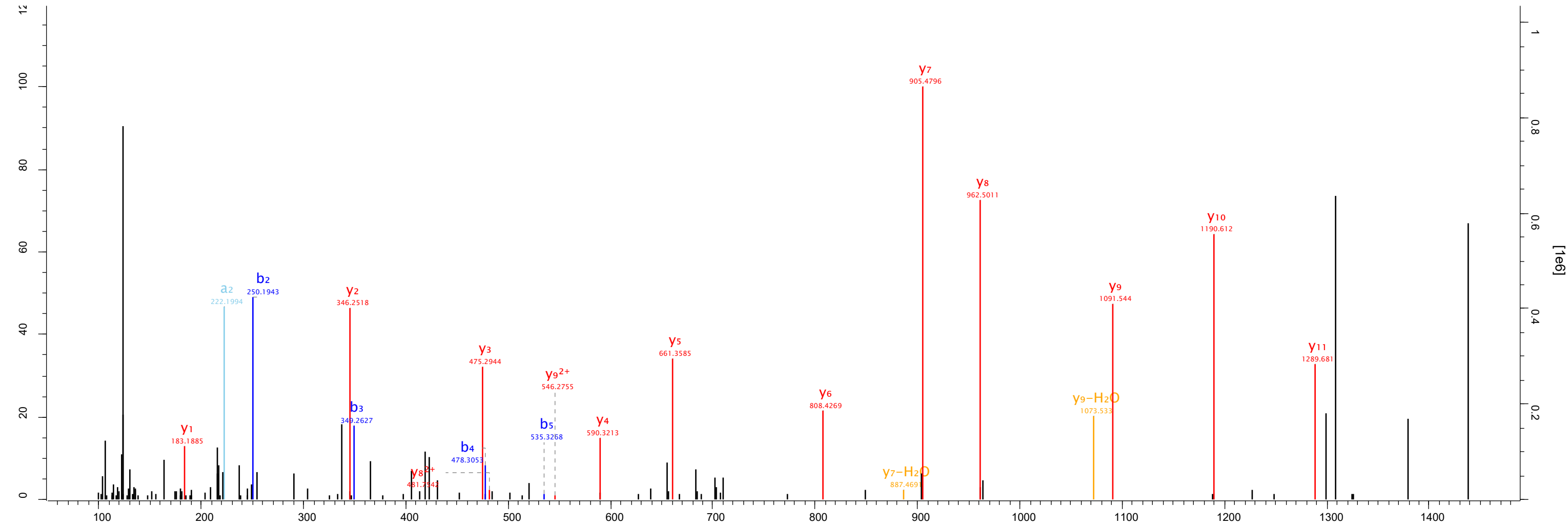


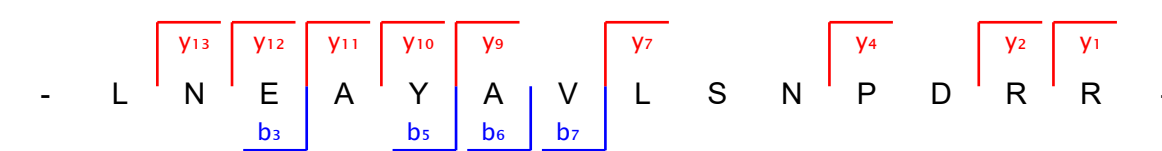
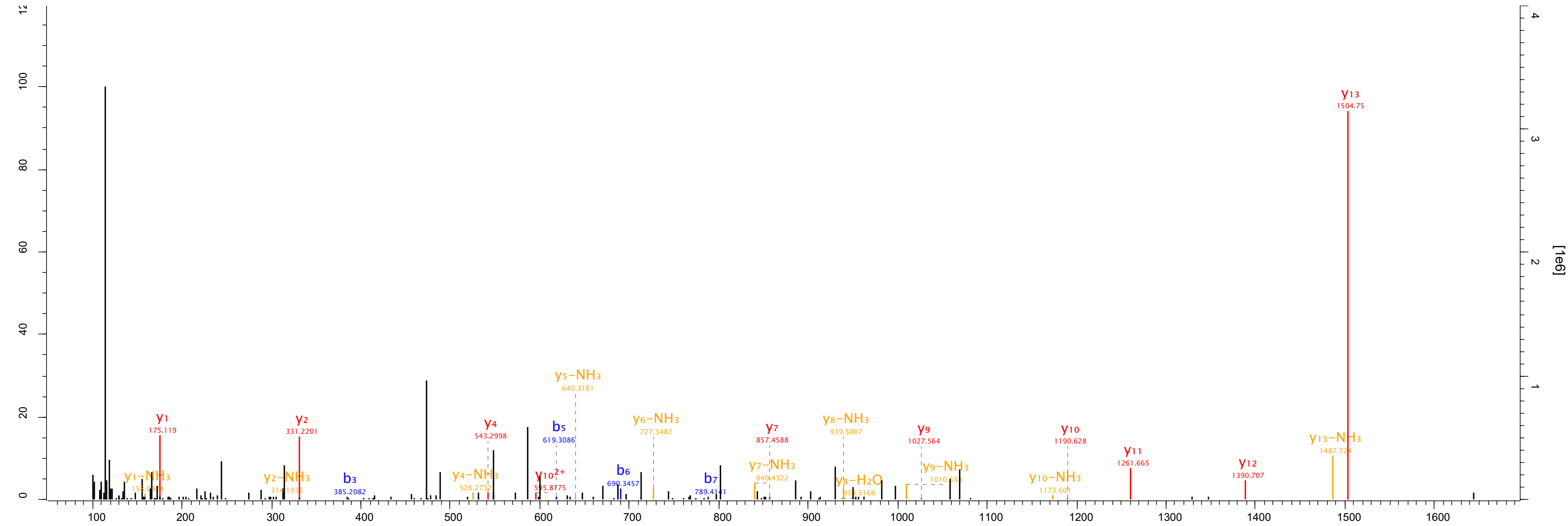


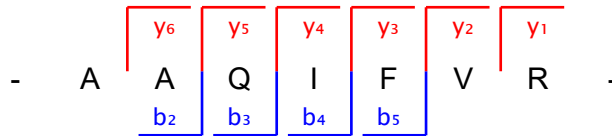
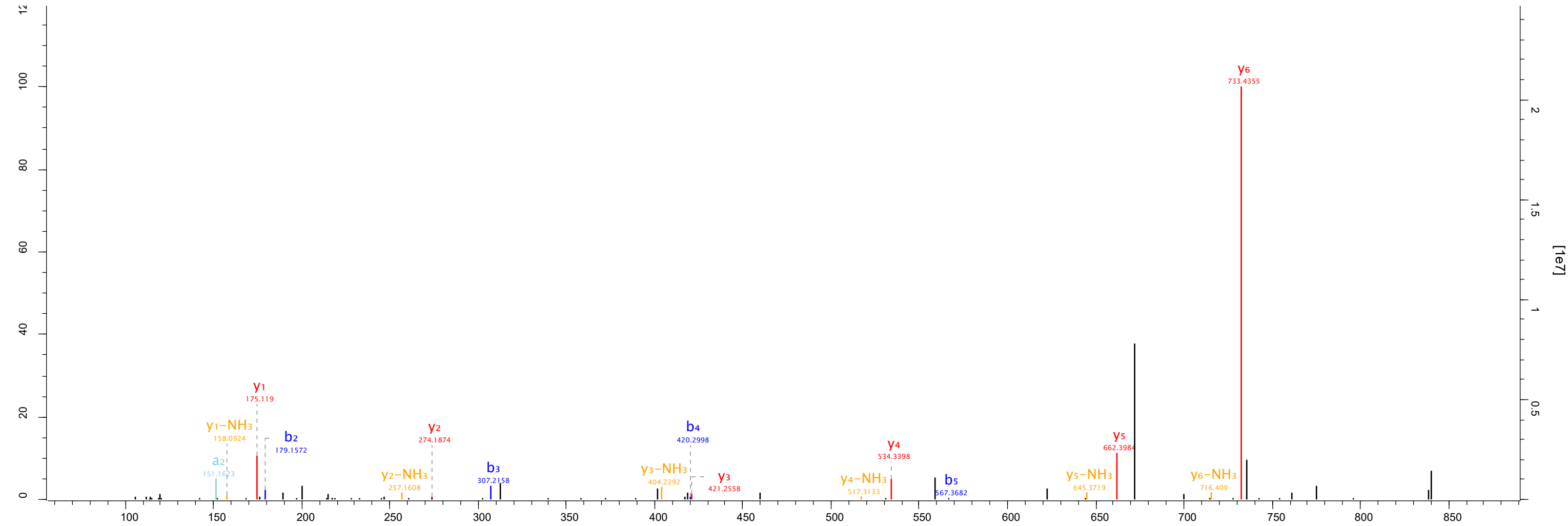


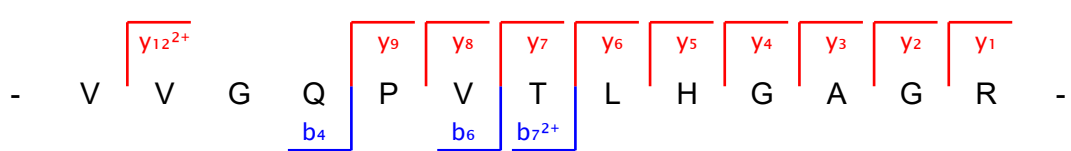
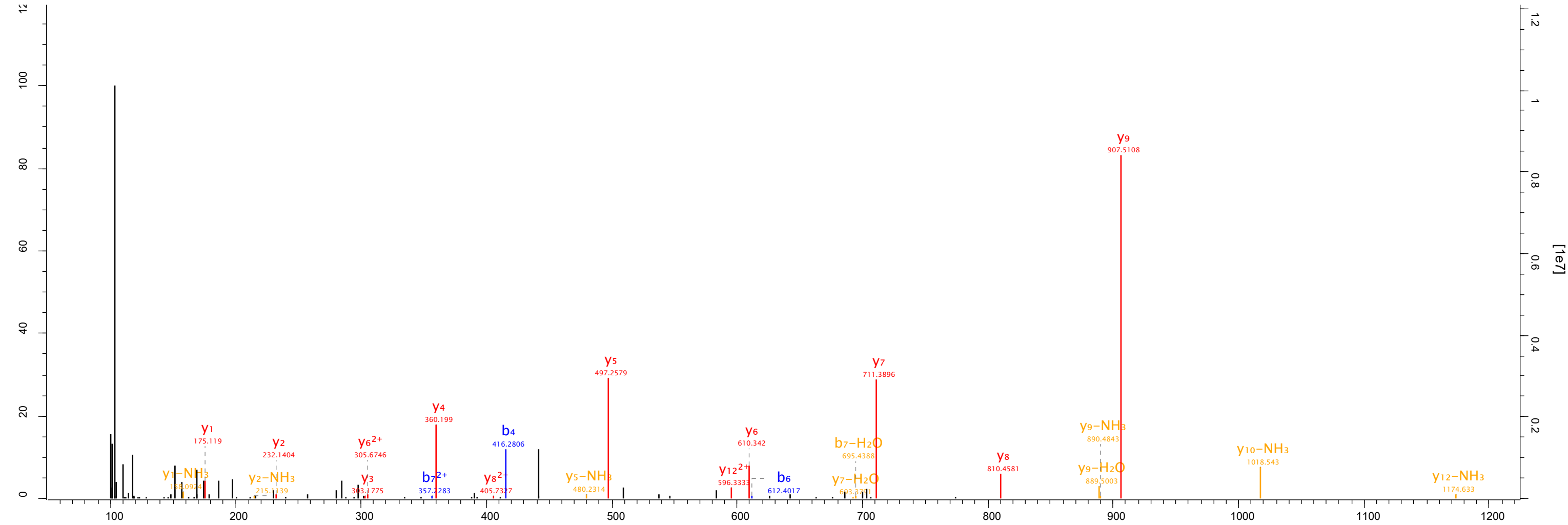


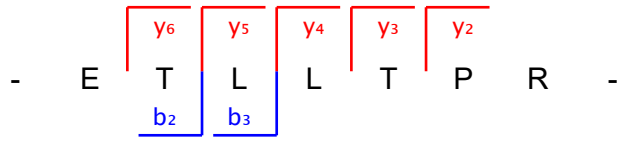
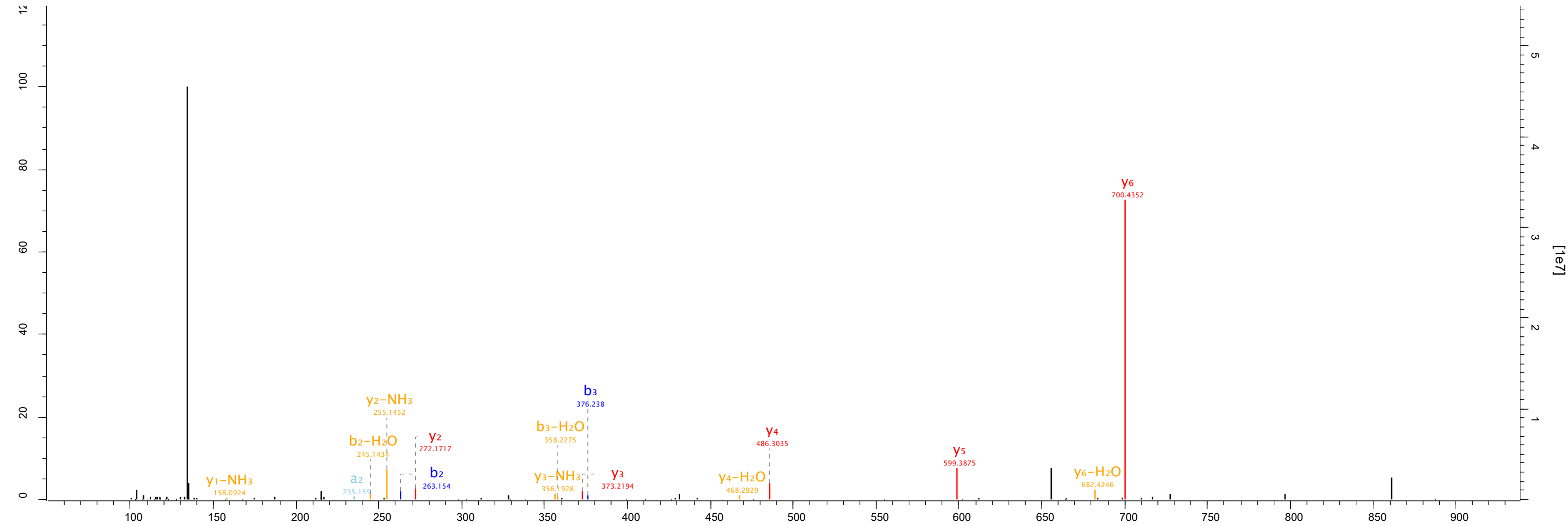


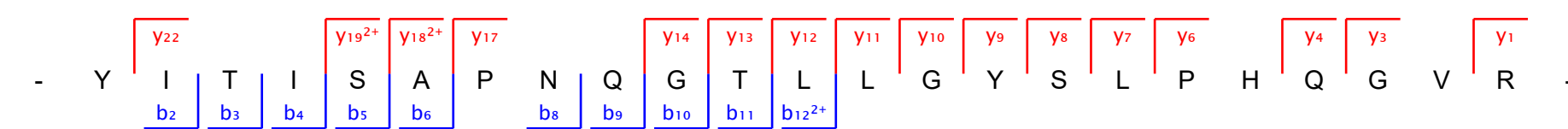
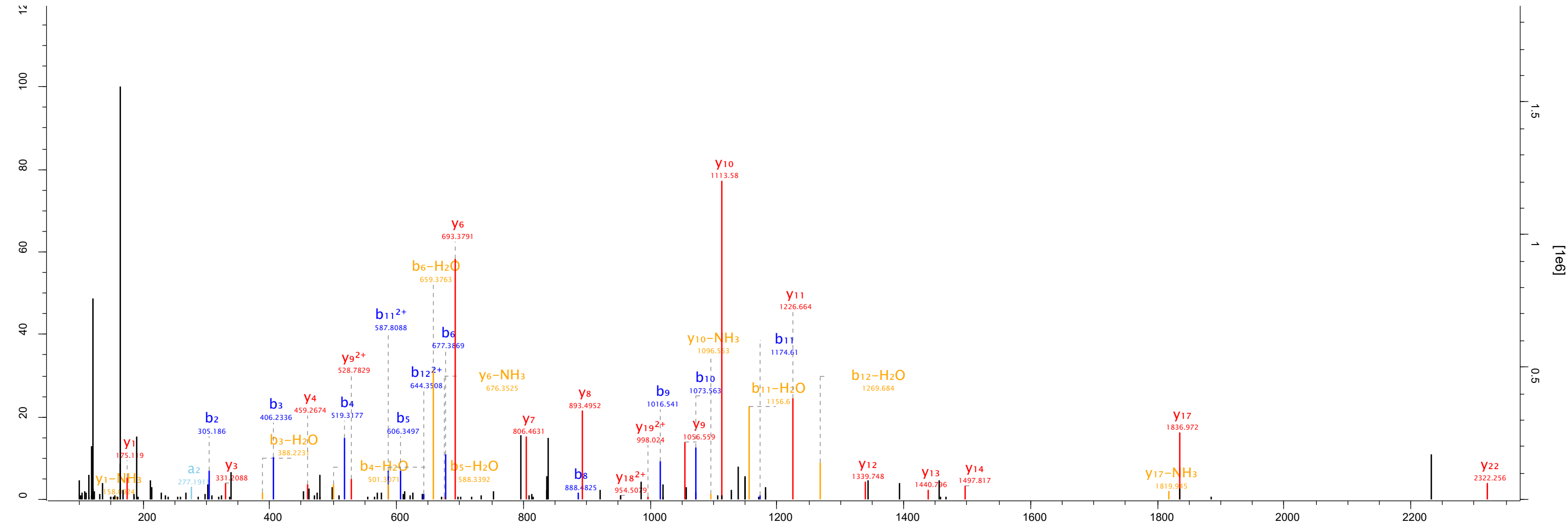


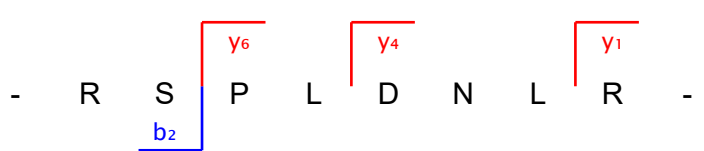
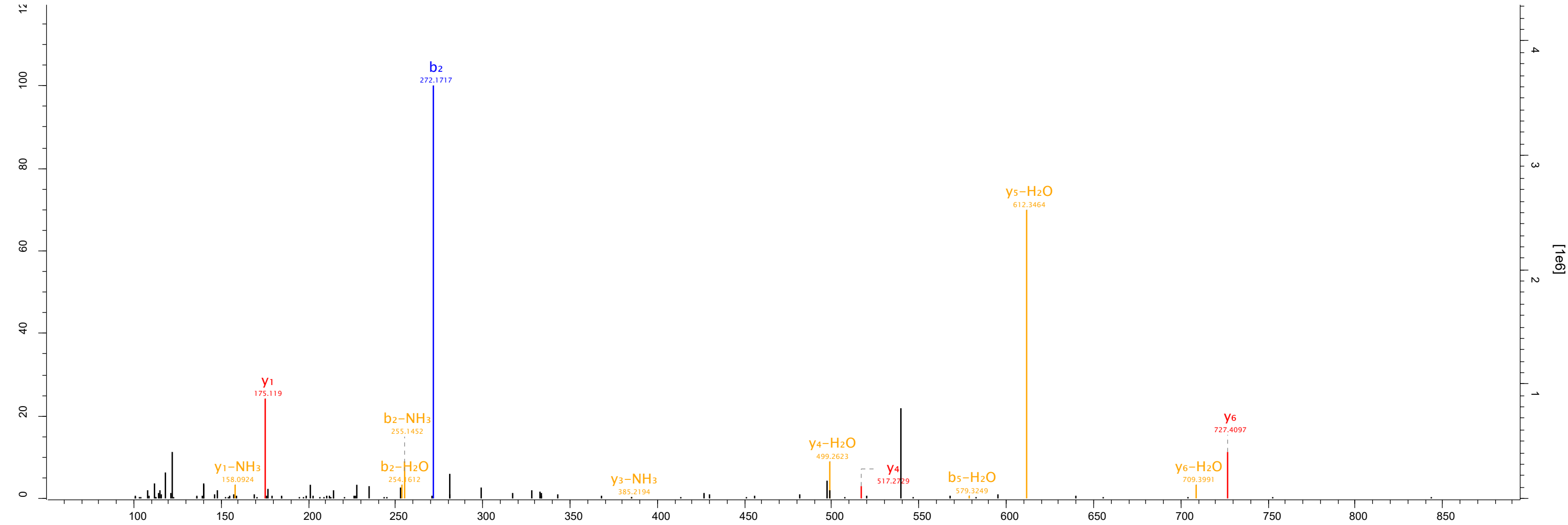


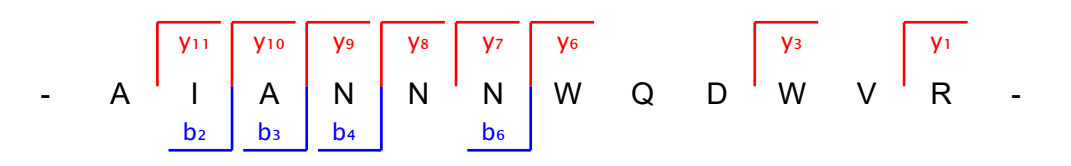
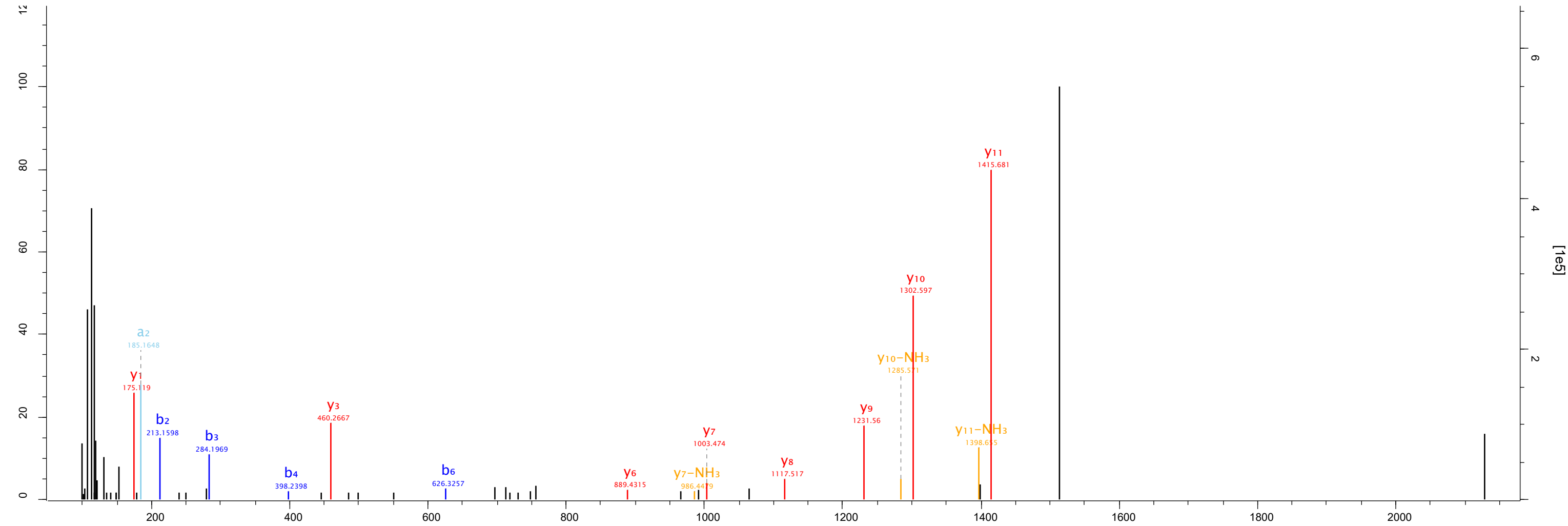


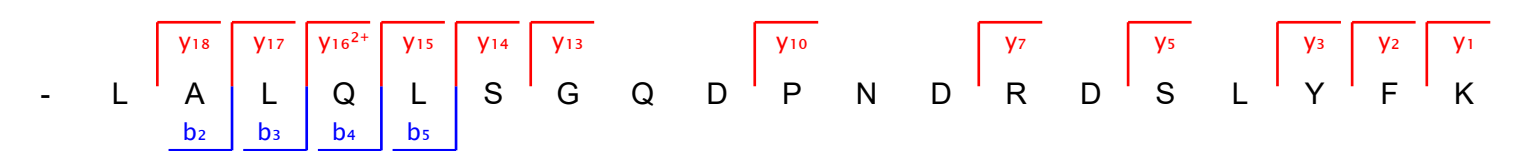
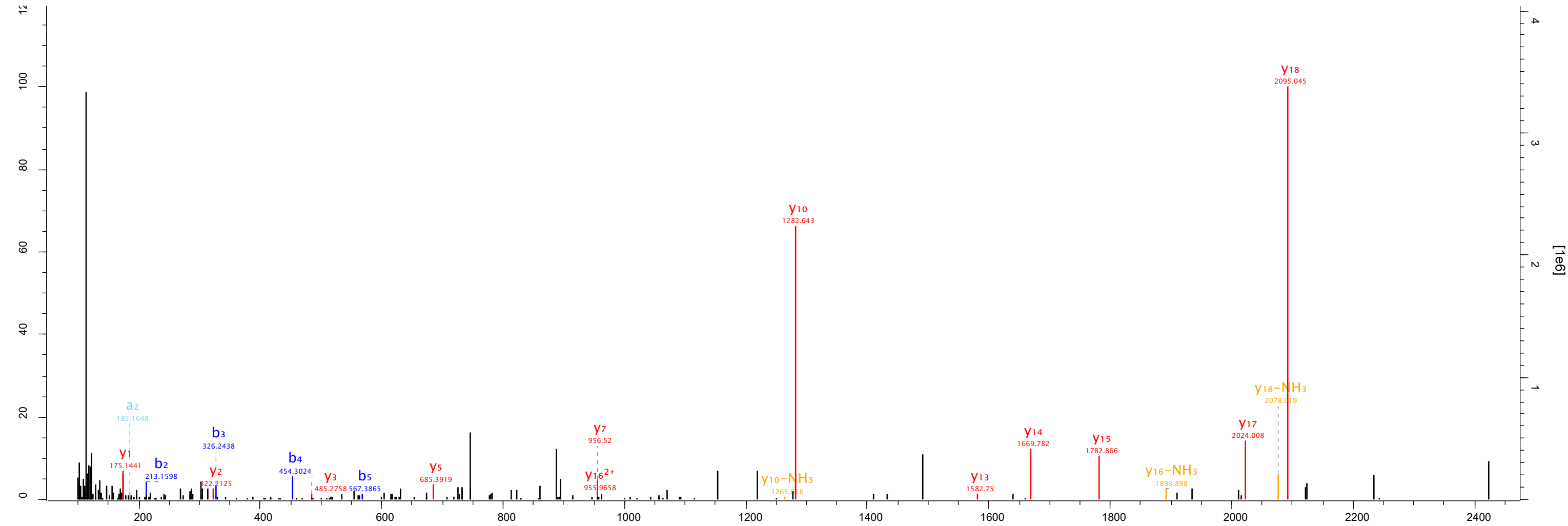


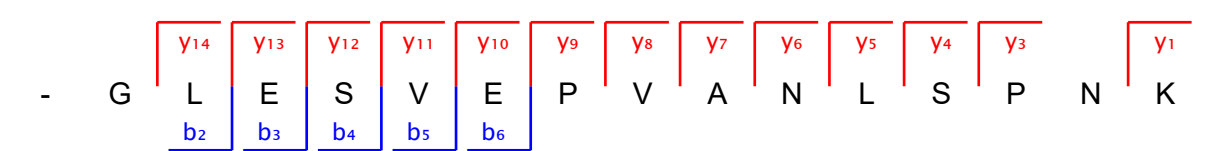
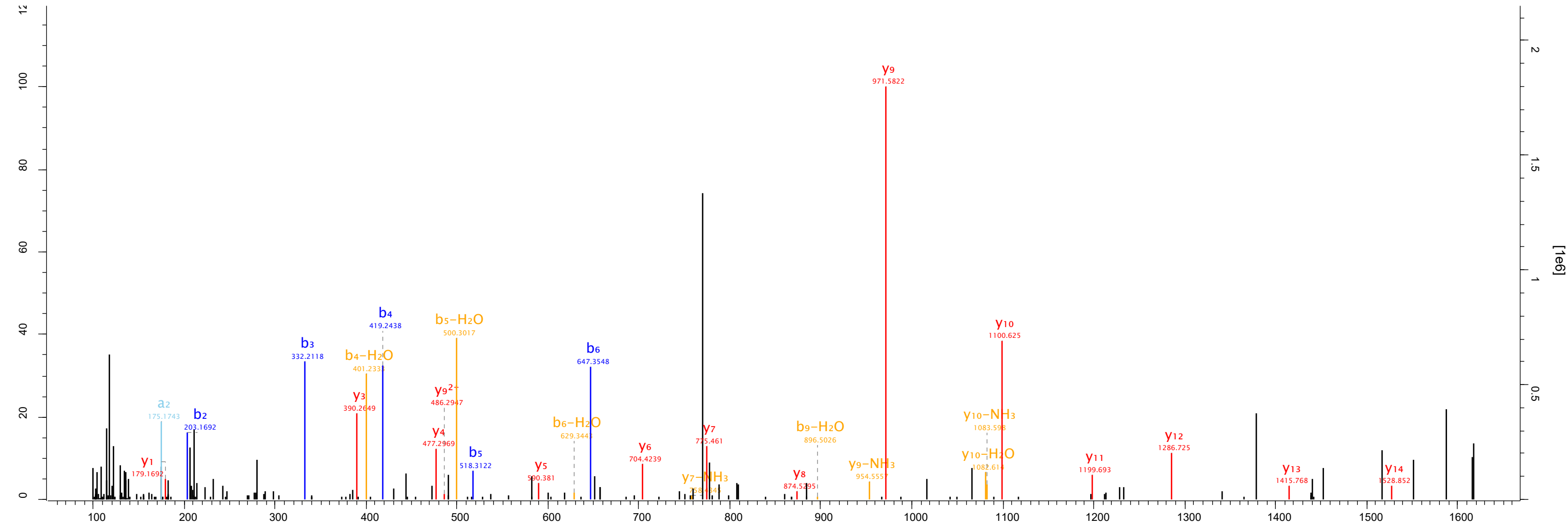


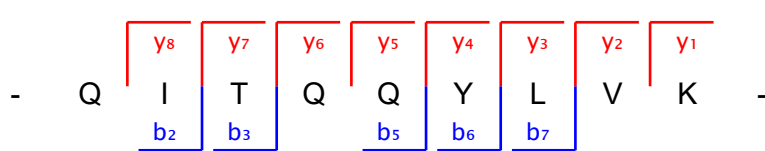
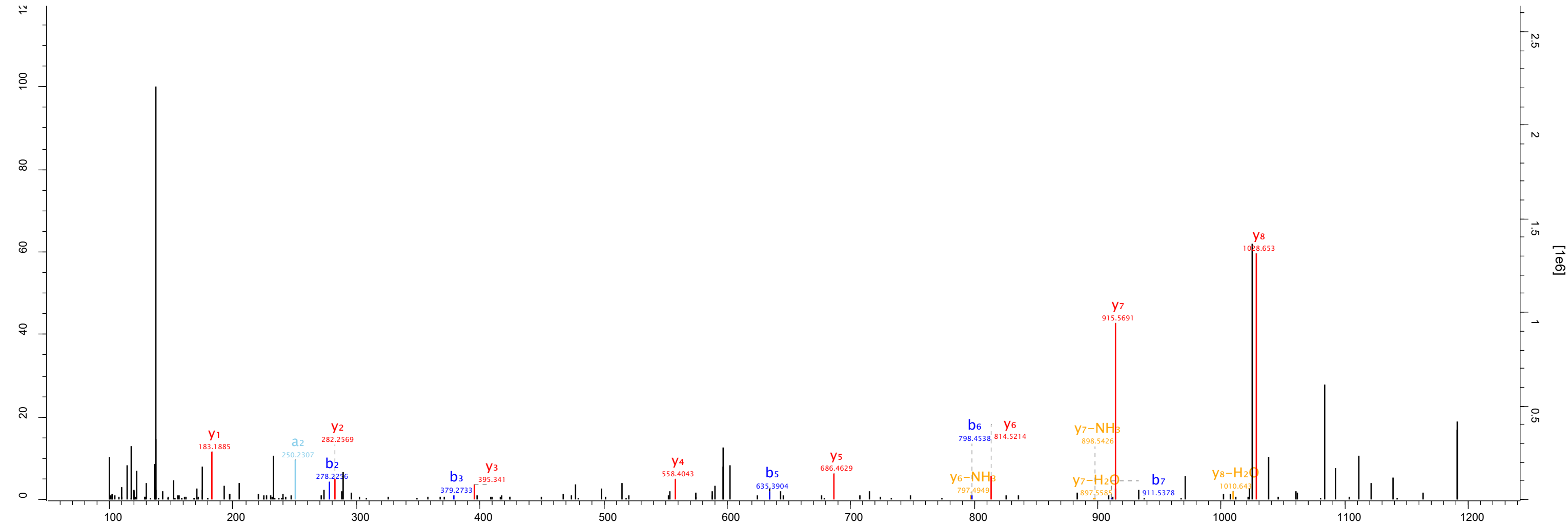






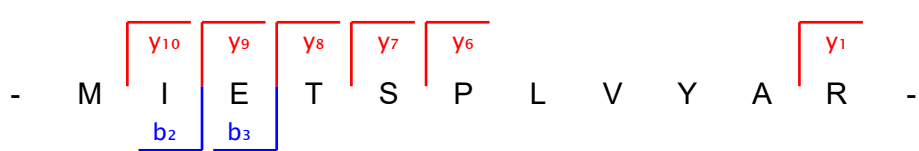
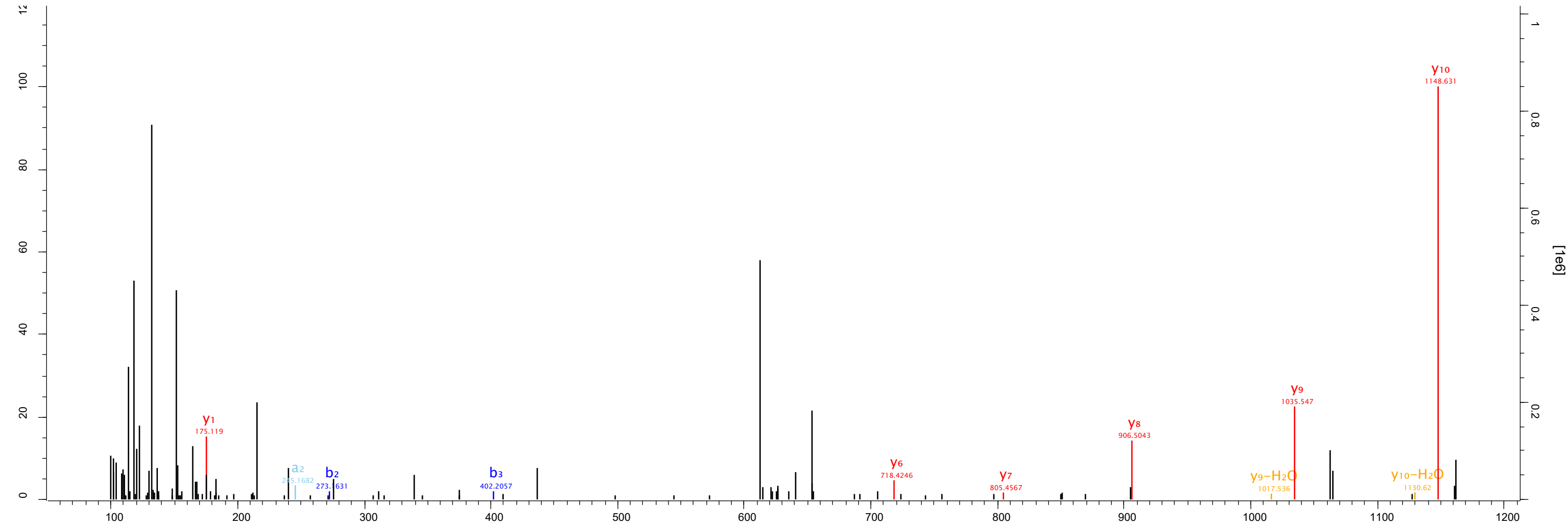


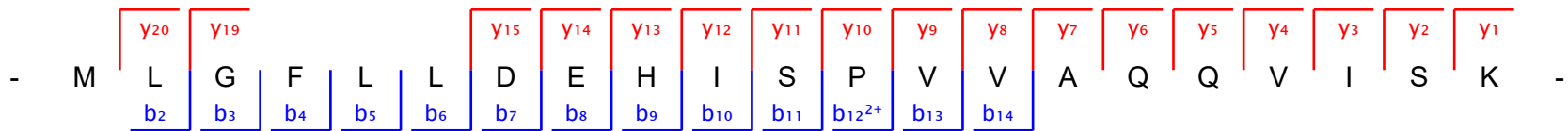
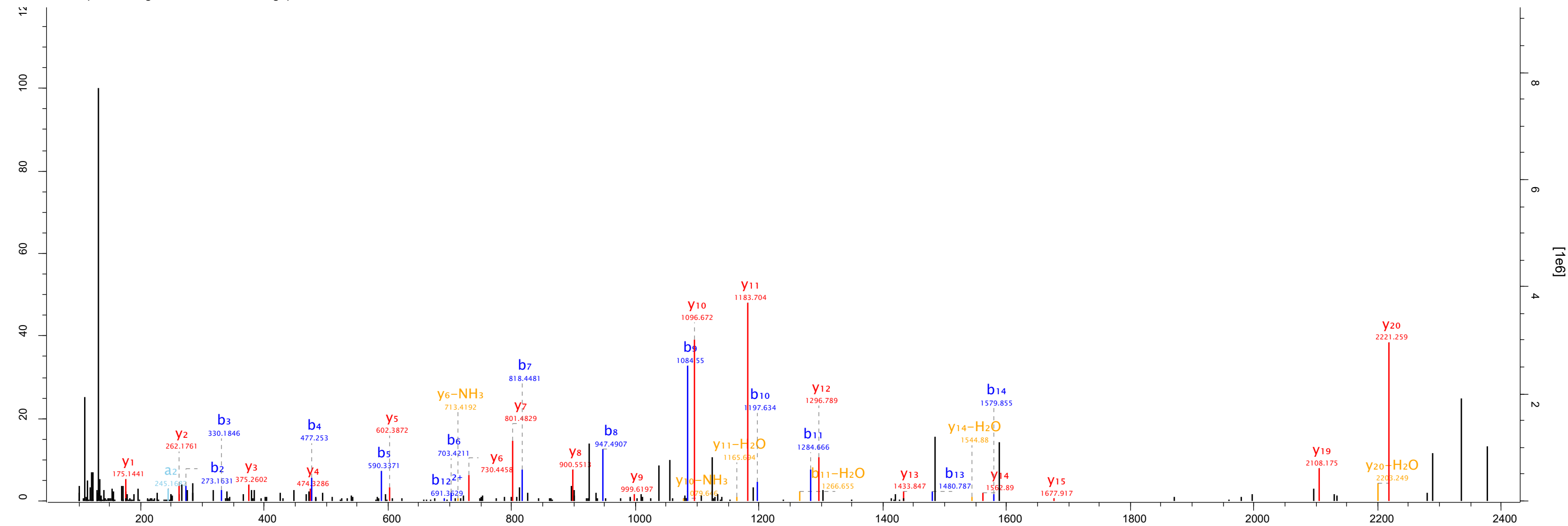


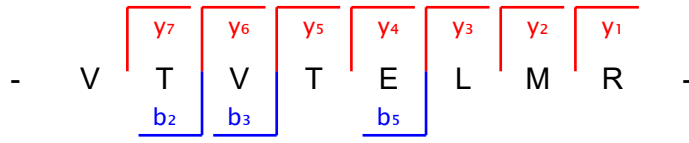
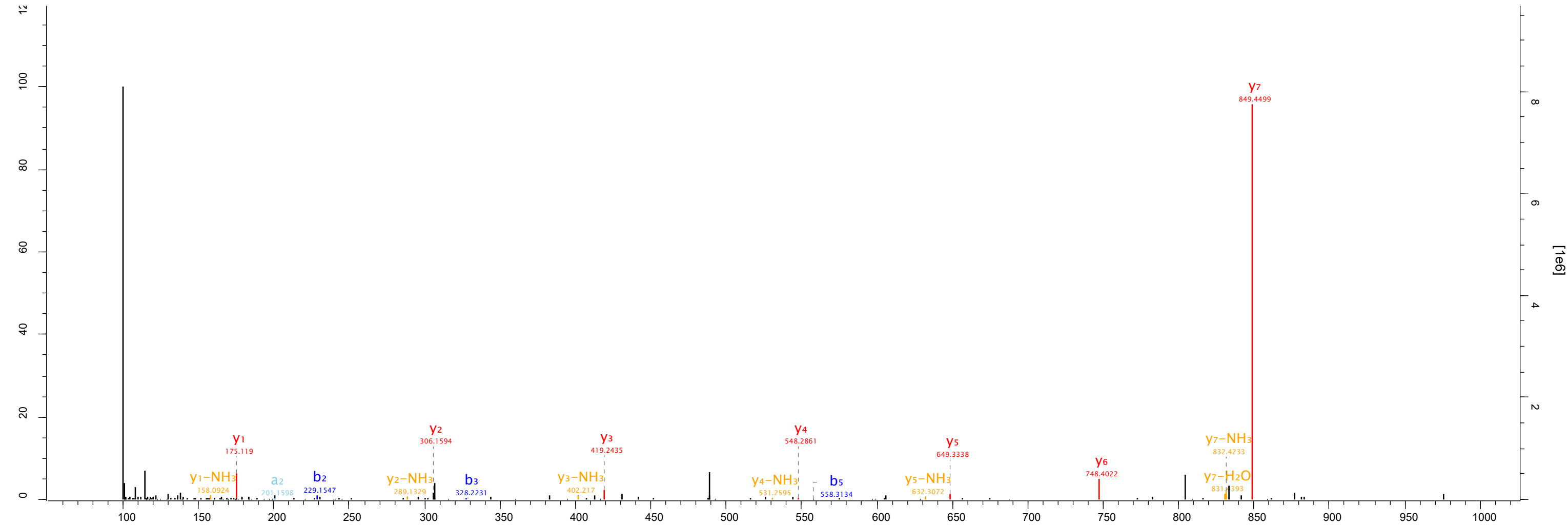


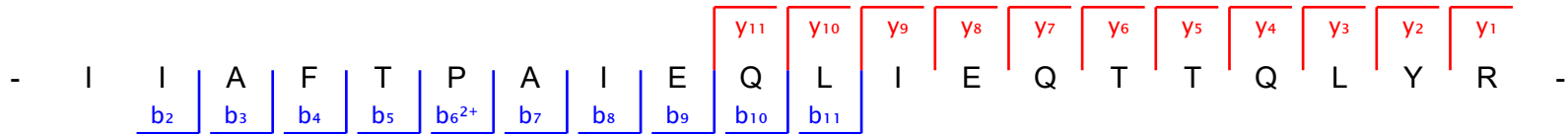
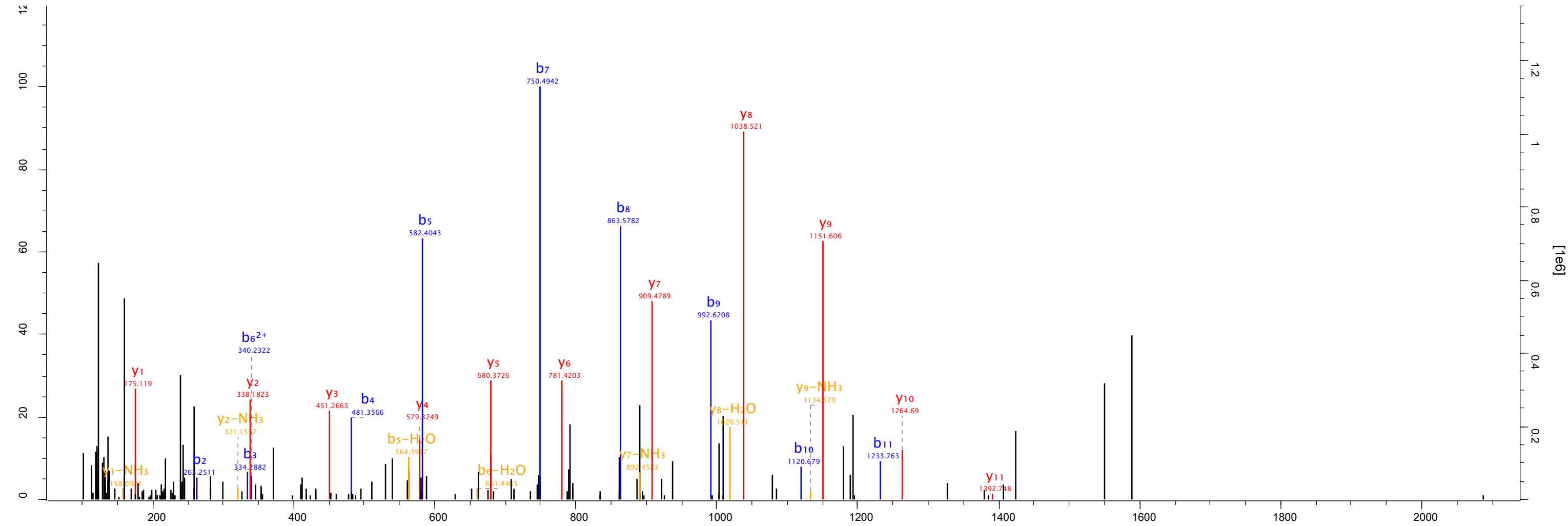
Raw file

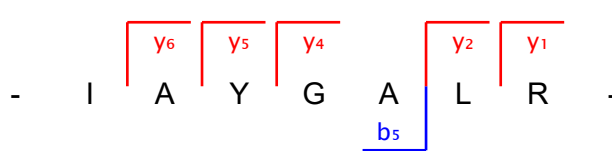
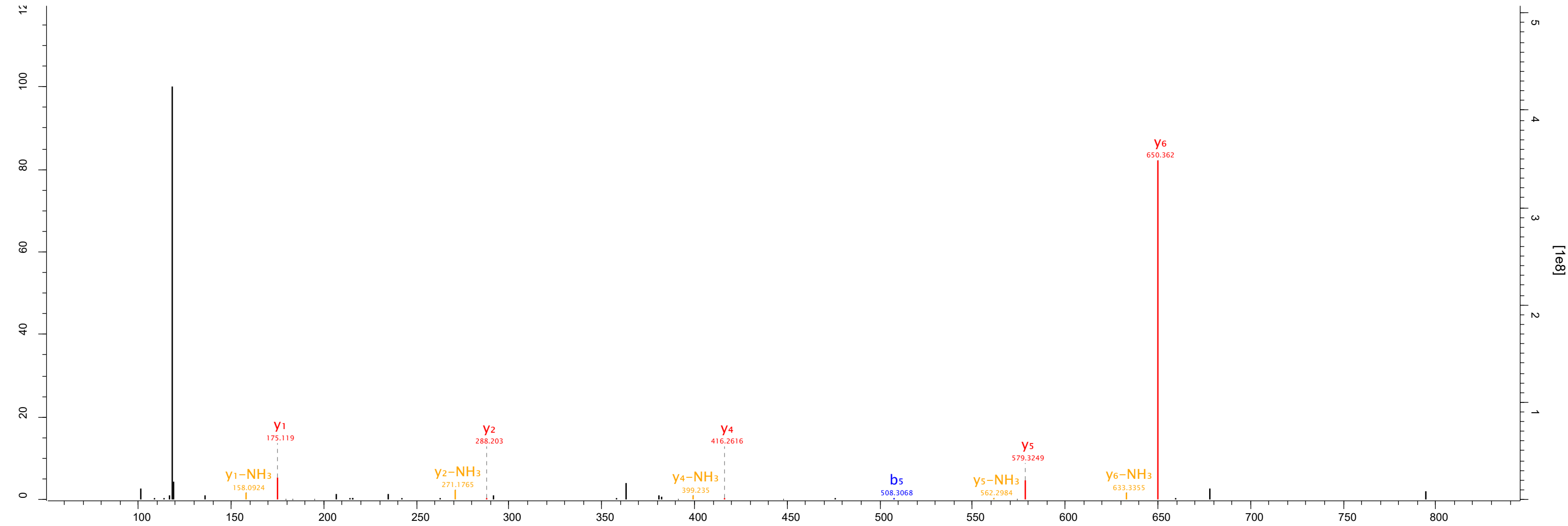
Scan 27438 Method FTMS; HCD Score 46.73 m/z 654.35

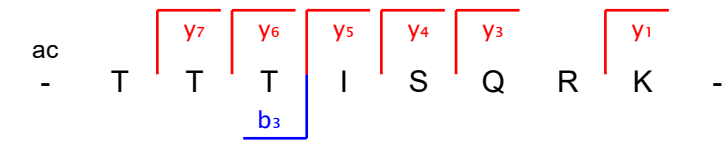
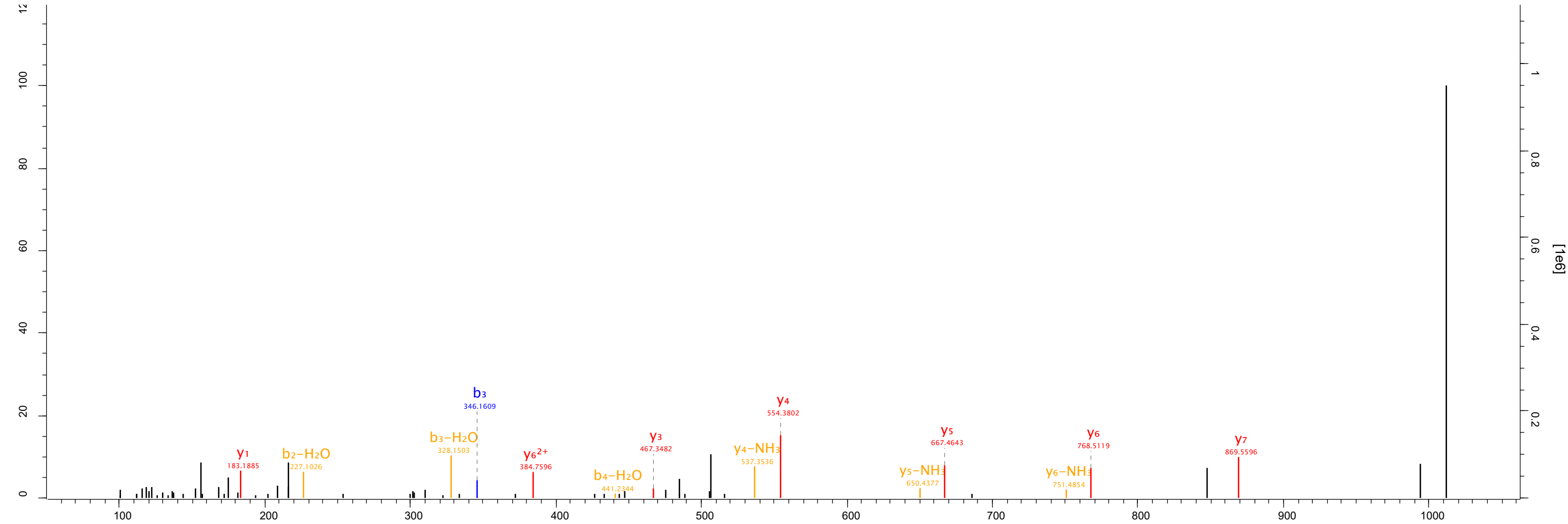


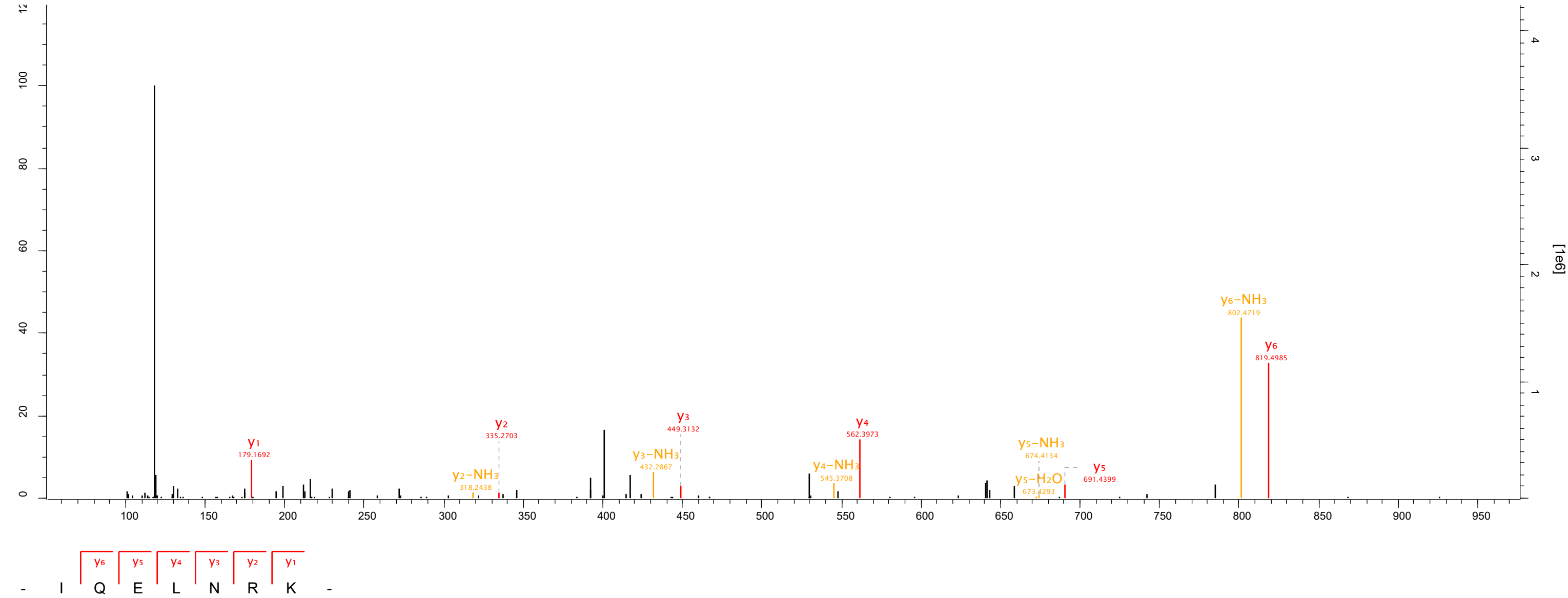


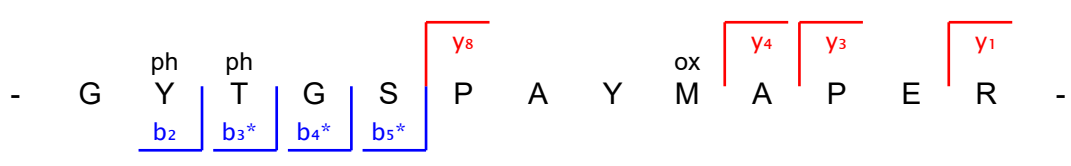
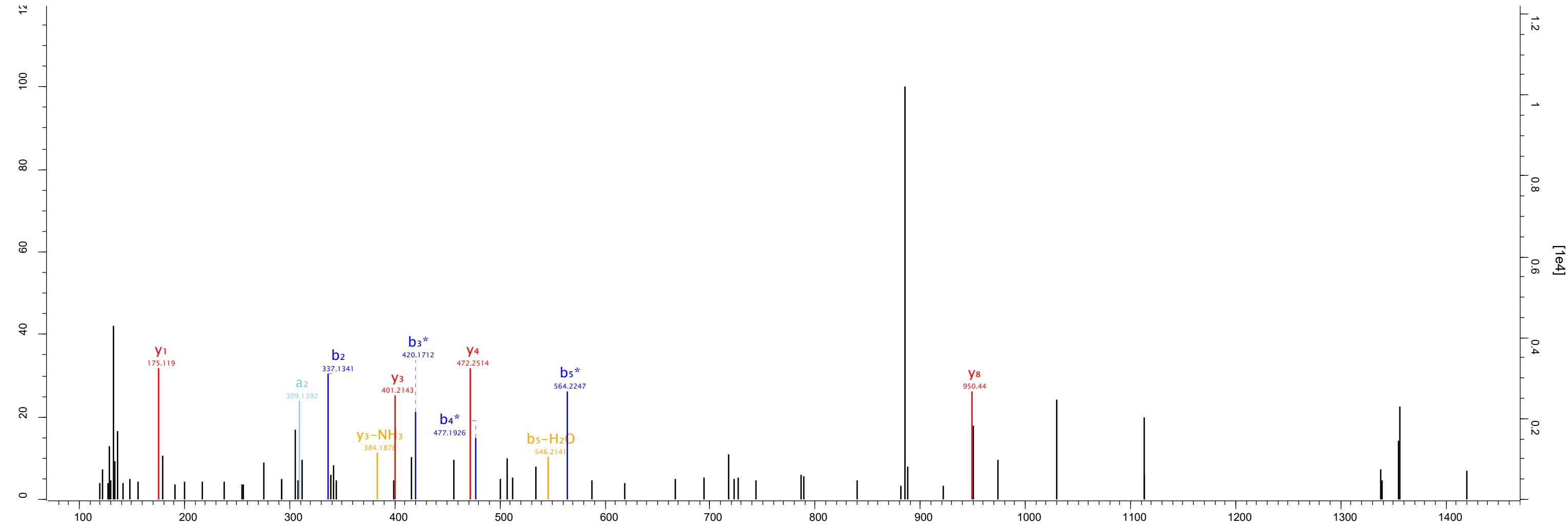


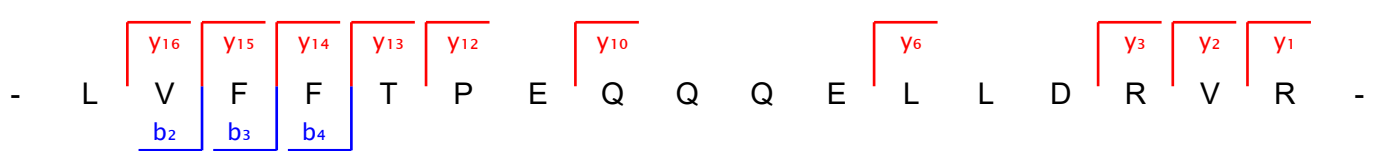
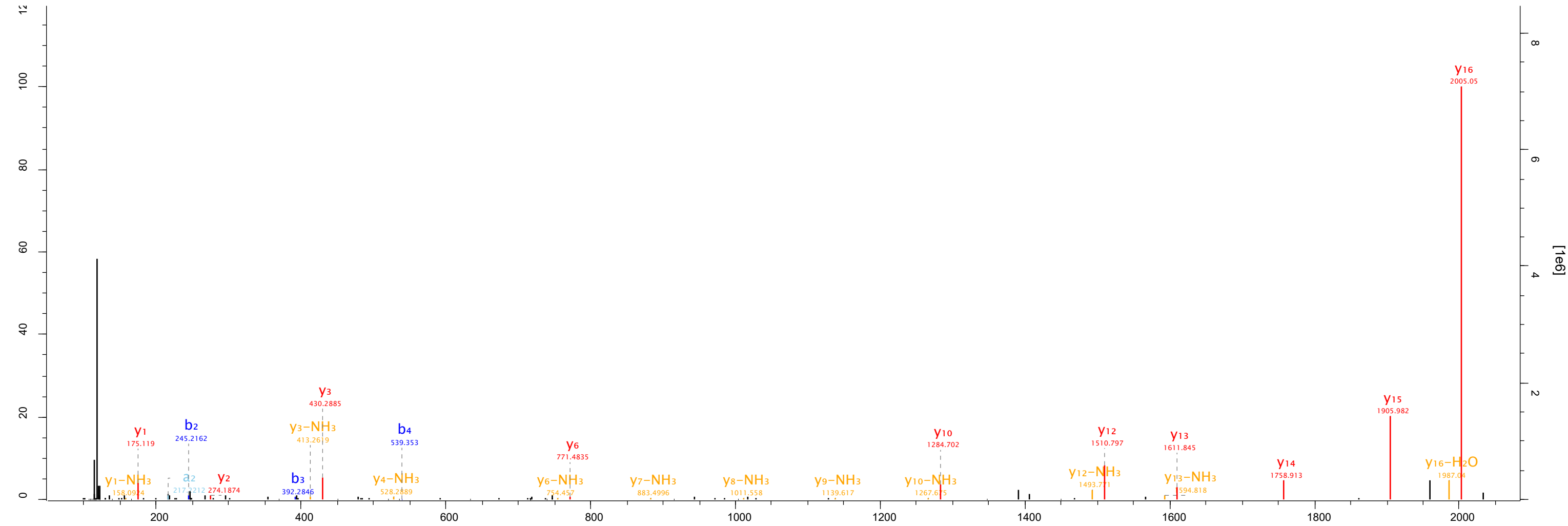


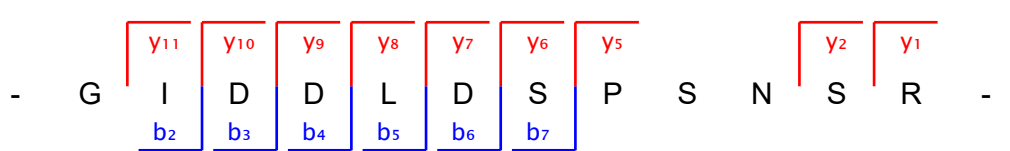
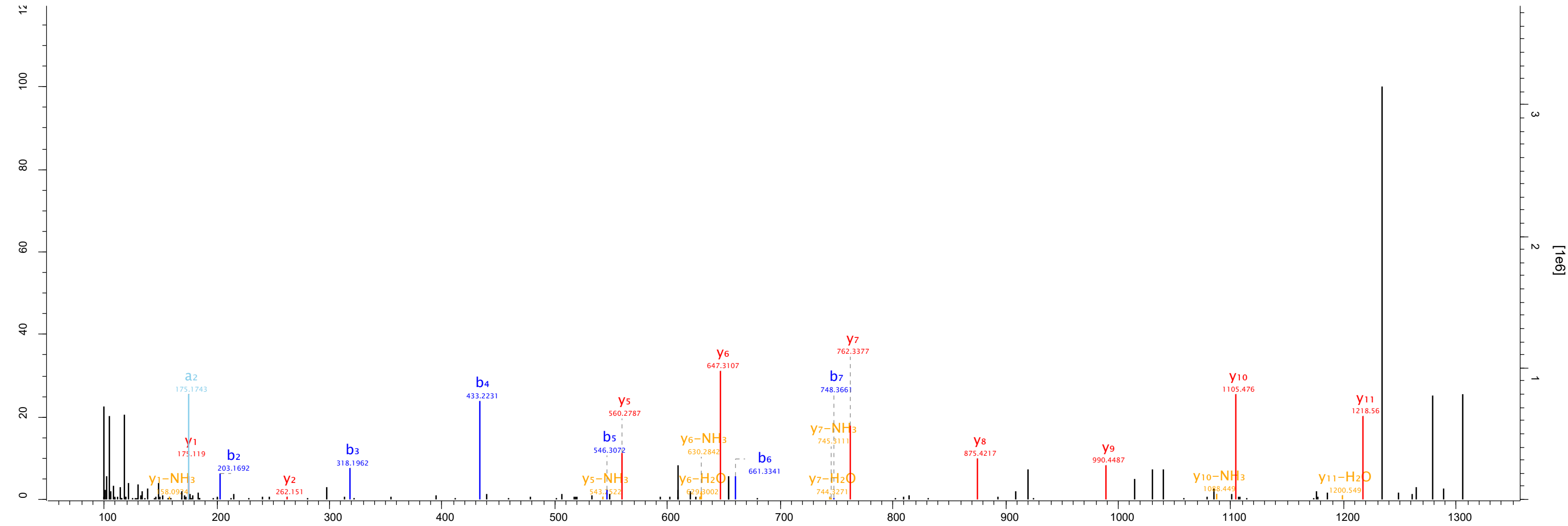


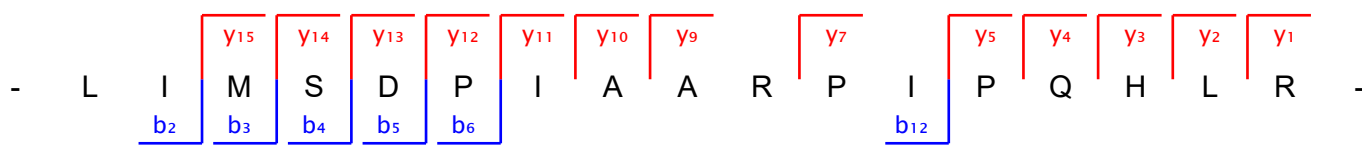
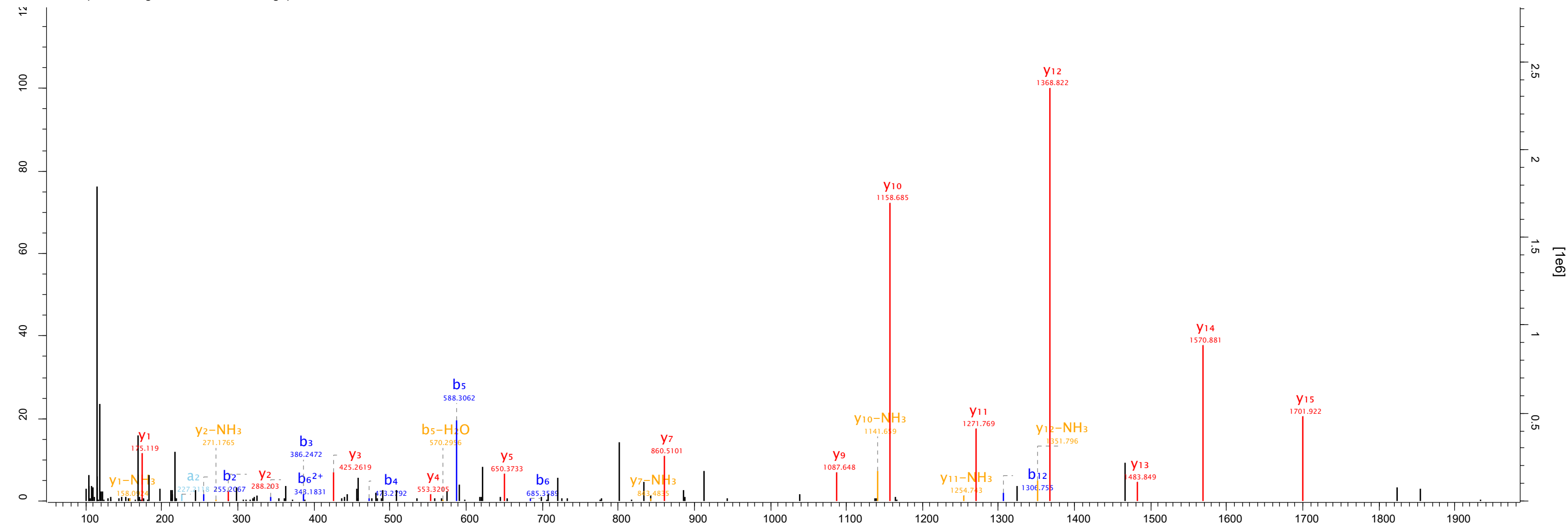


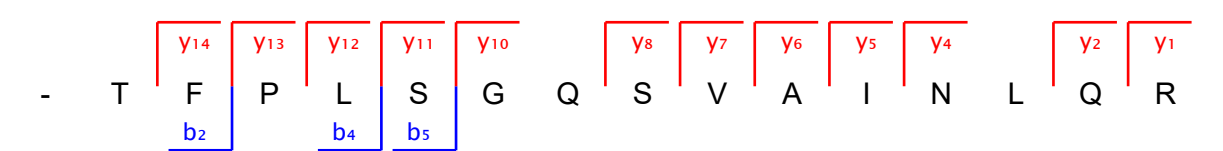
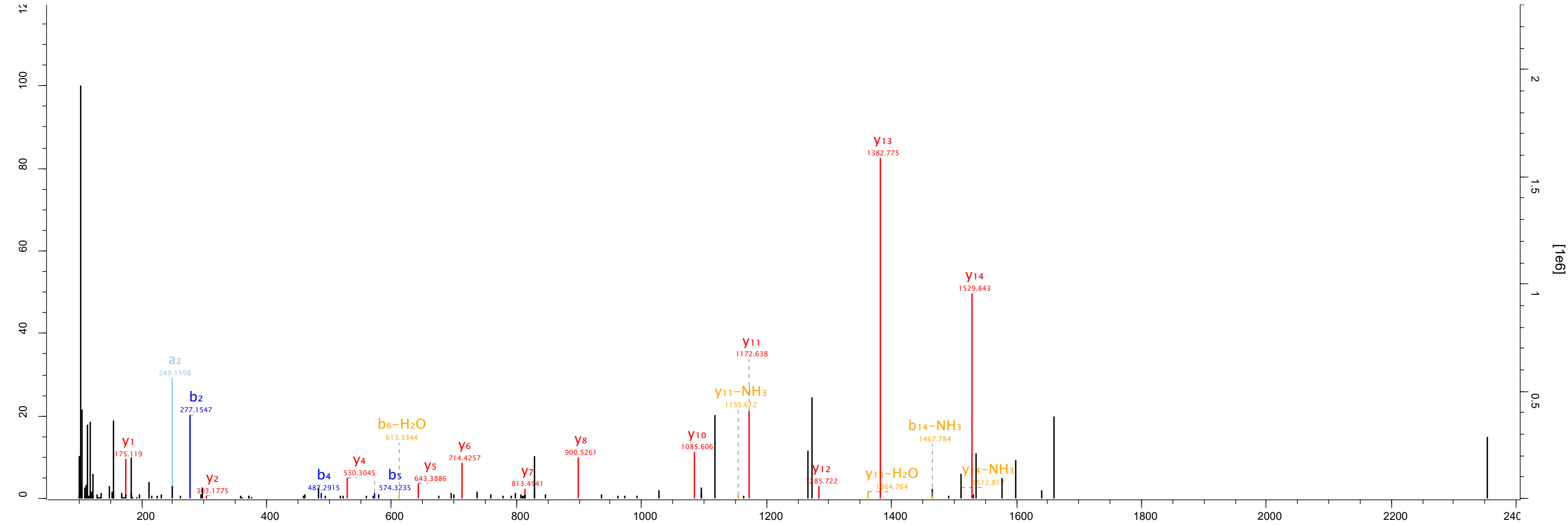




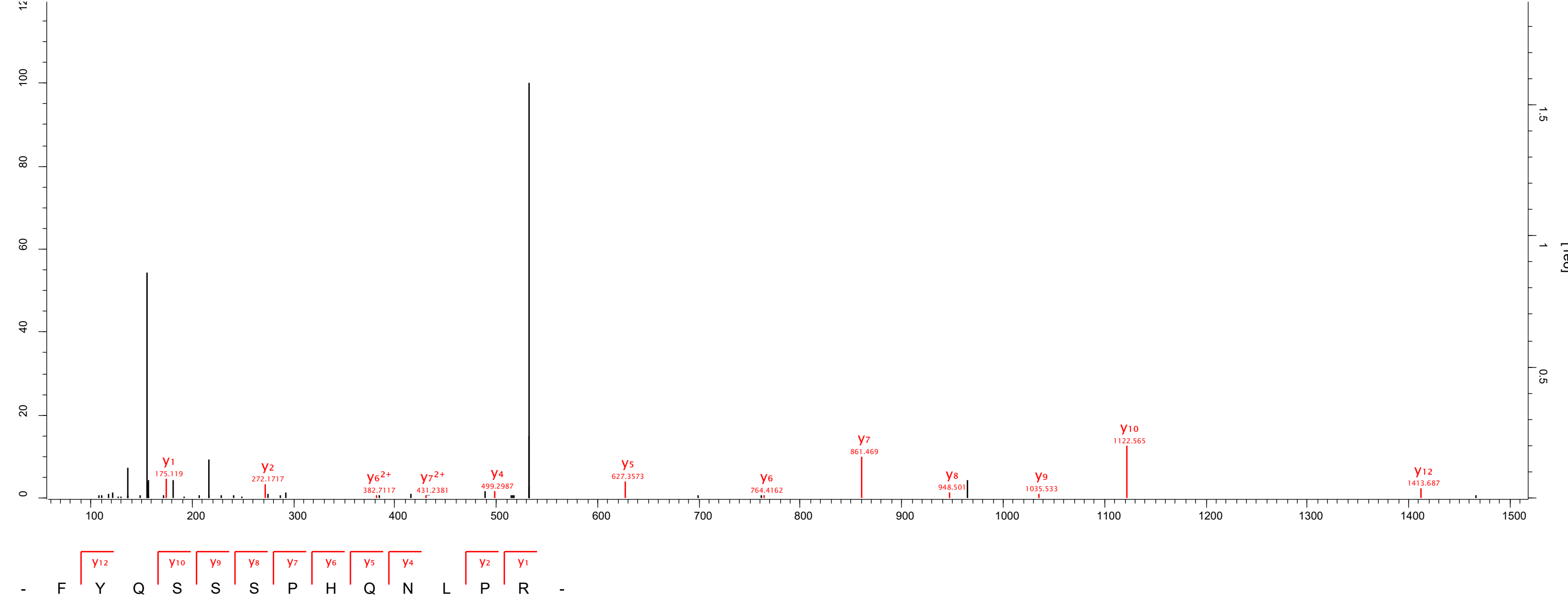


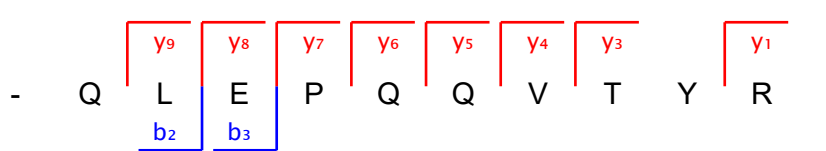


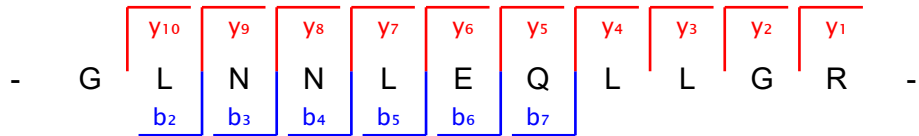
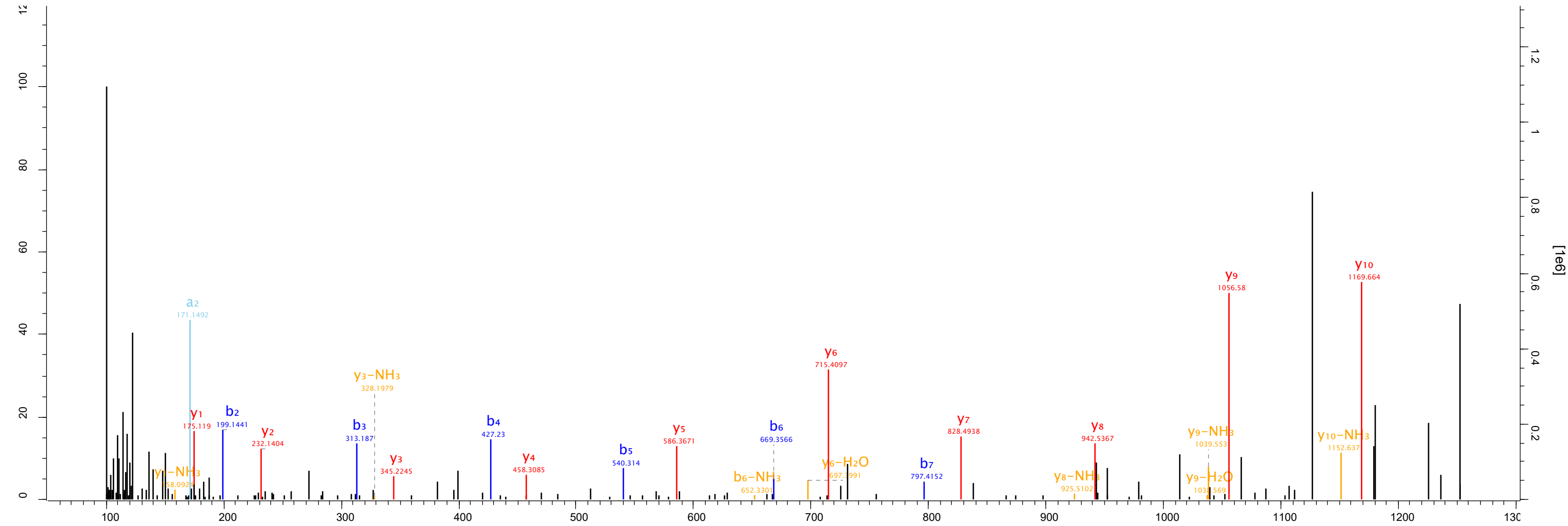


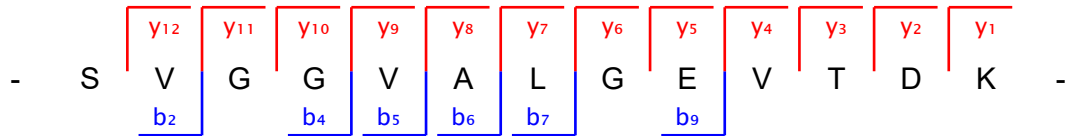
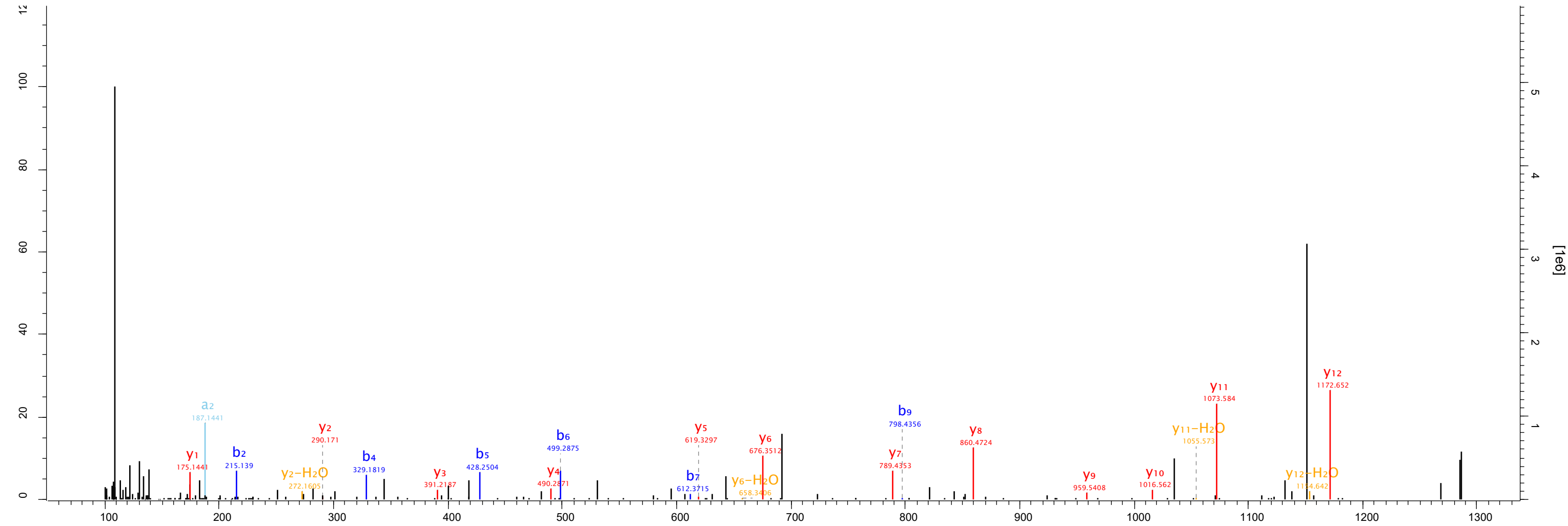


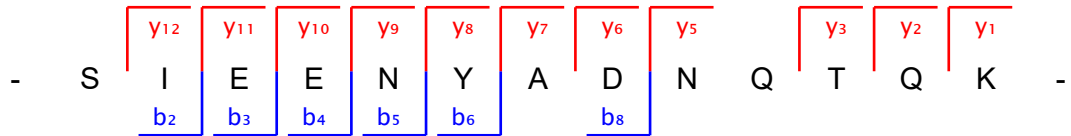
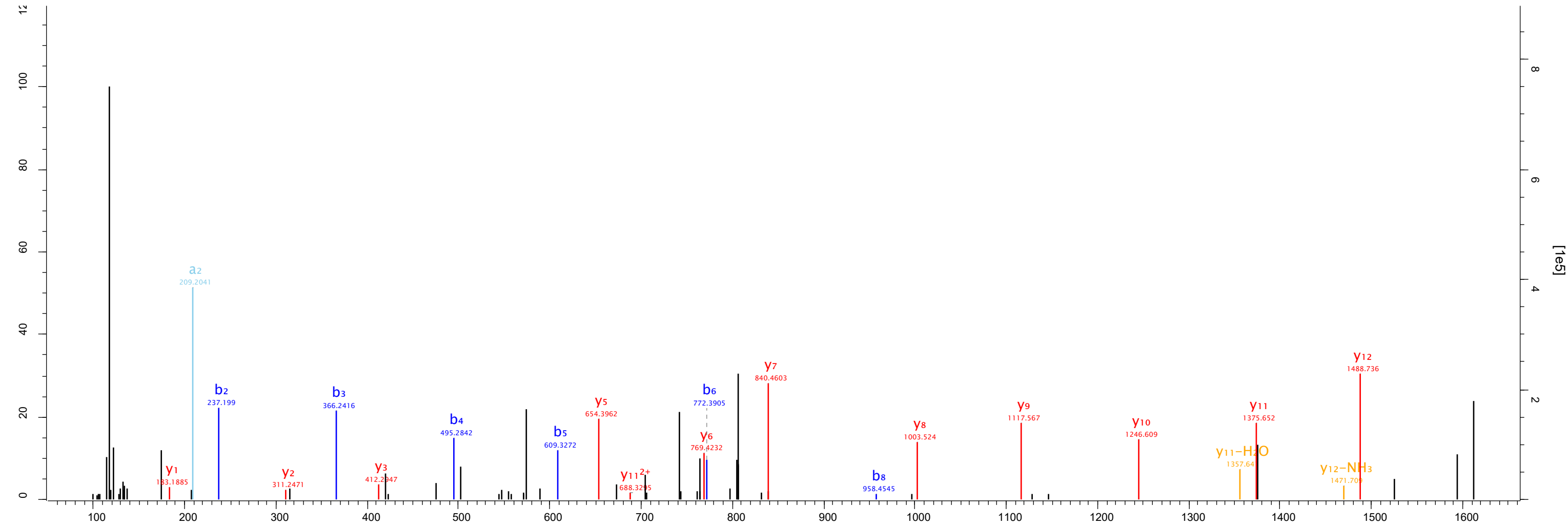
Raw file
20160713_PS_Scystis_dimethyl_Mix2_8_55_fract6
Scan 5424 Method FTMS; HCD Score 44.51 m/z 533.28

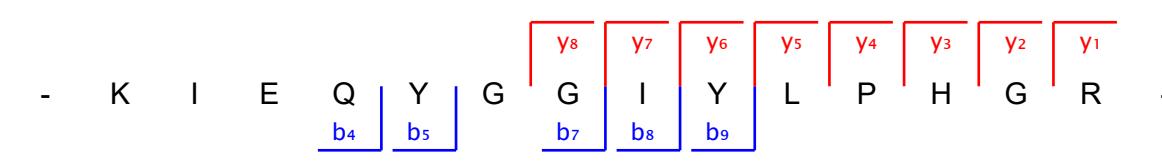
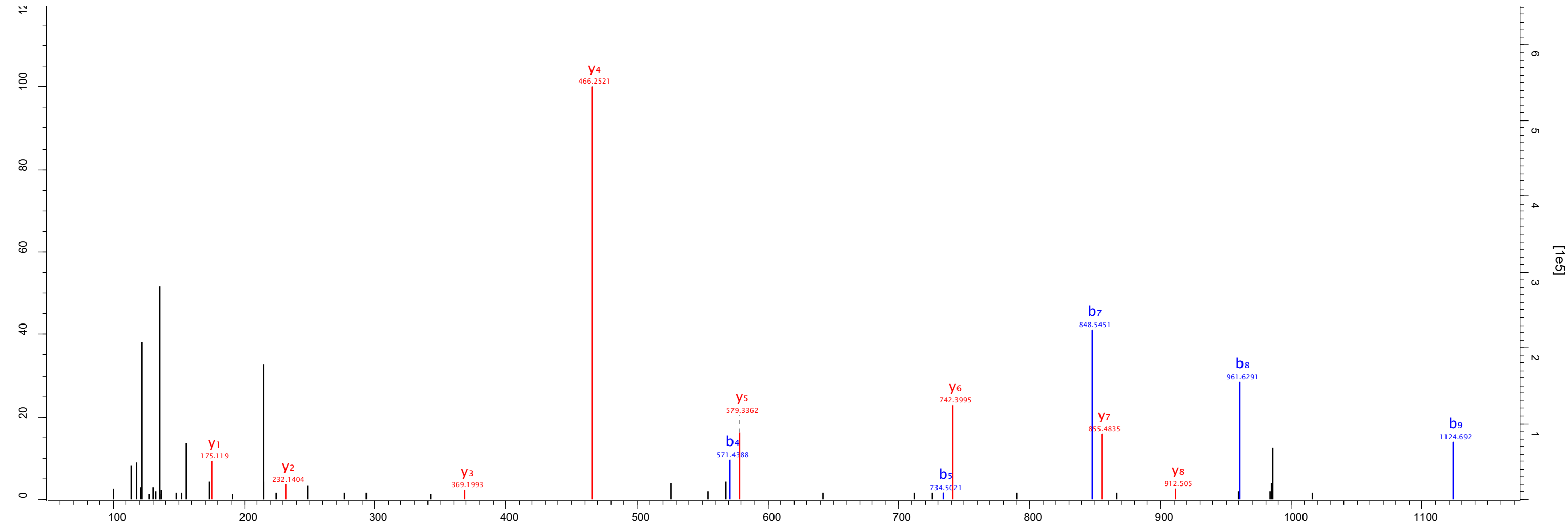


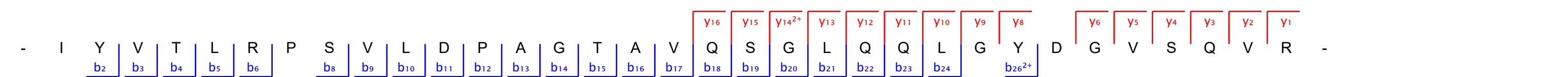
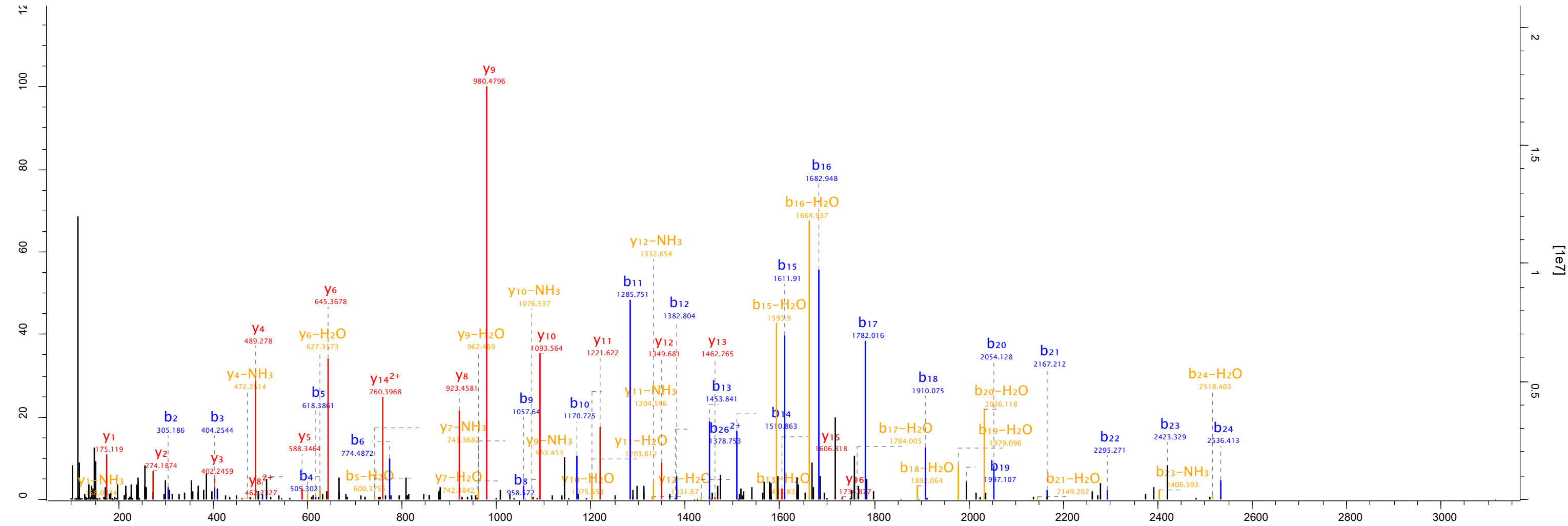


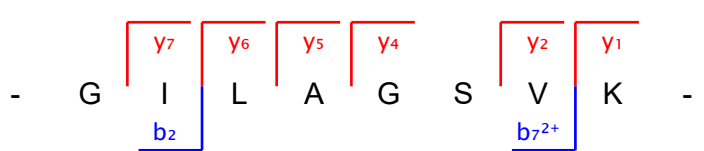
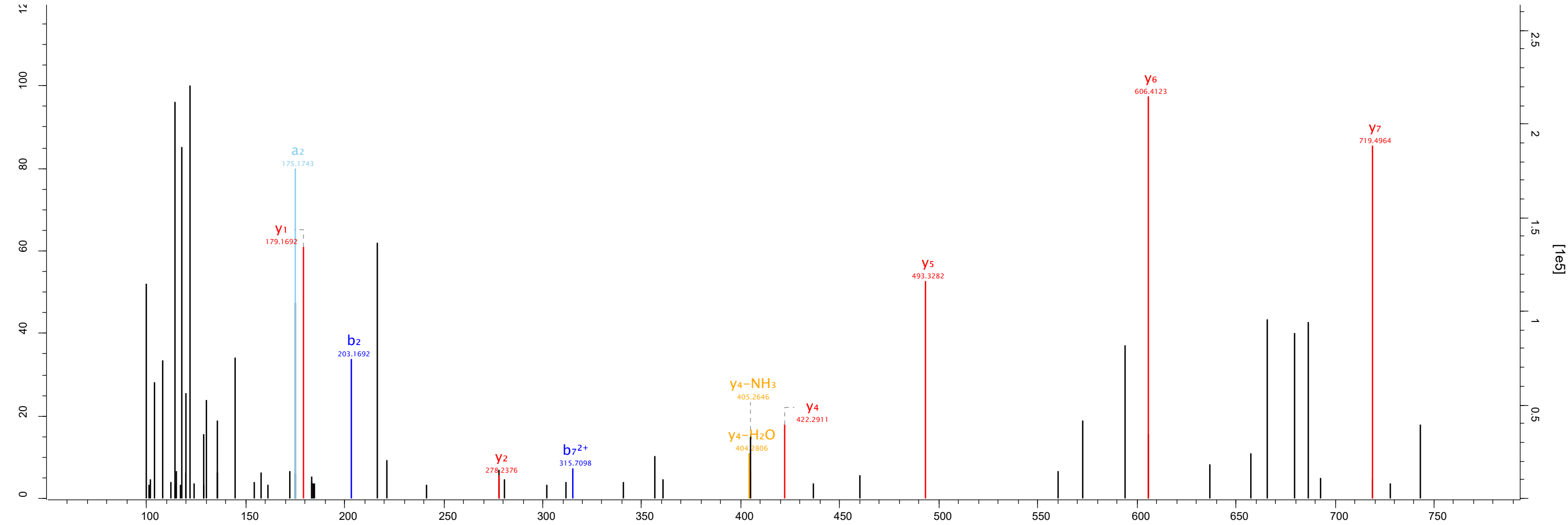


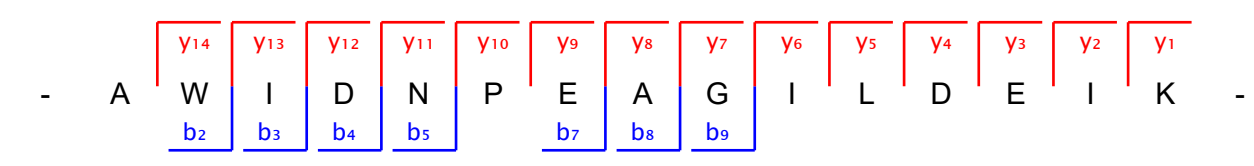
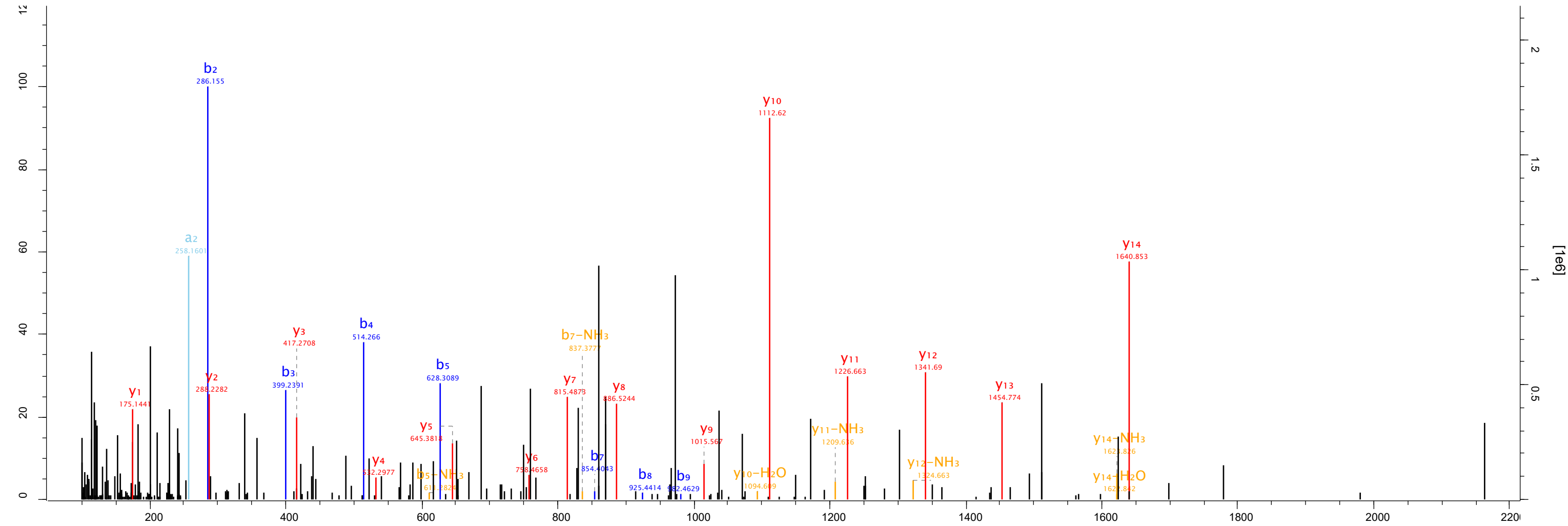


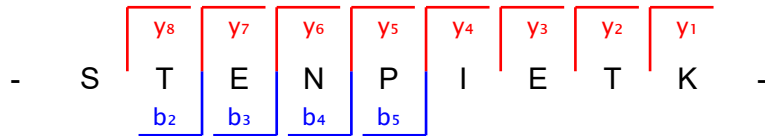
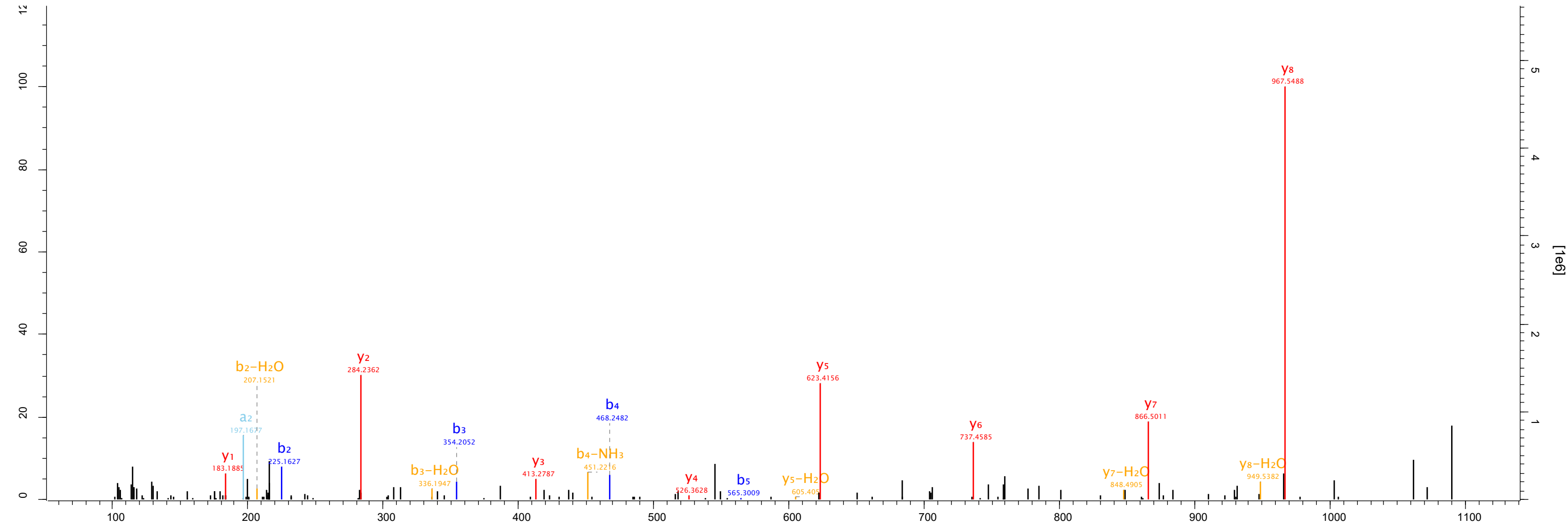


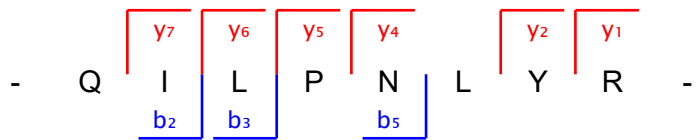
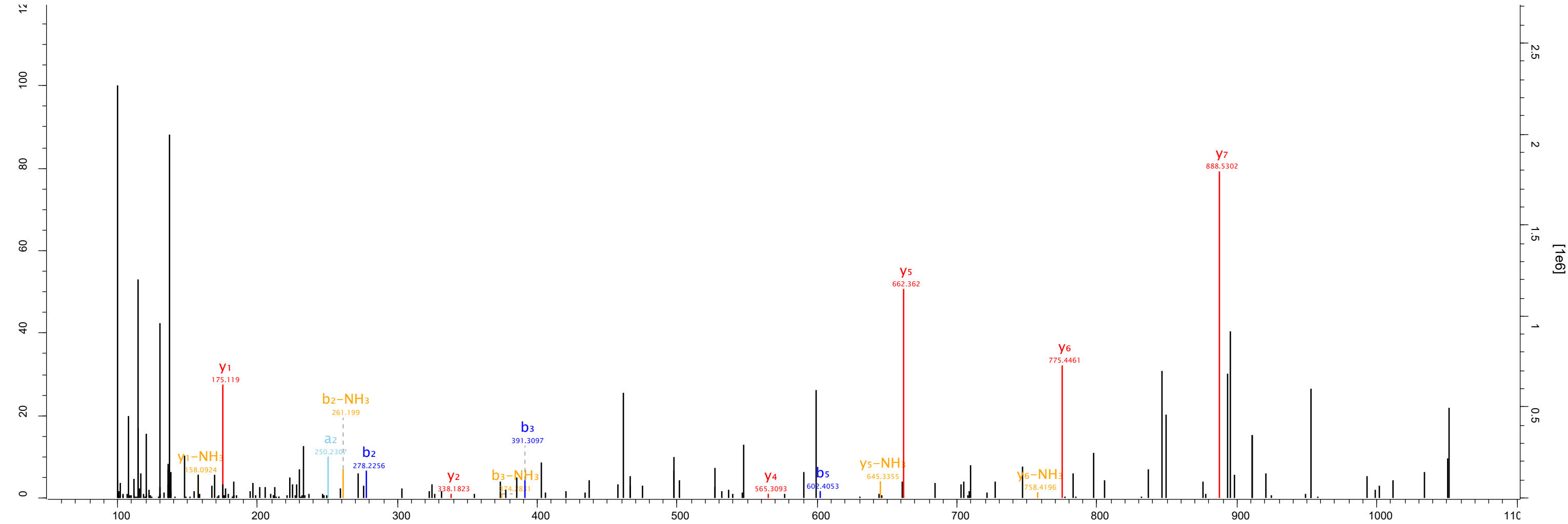


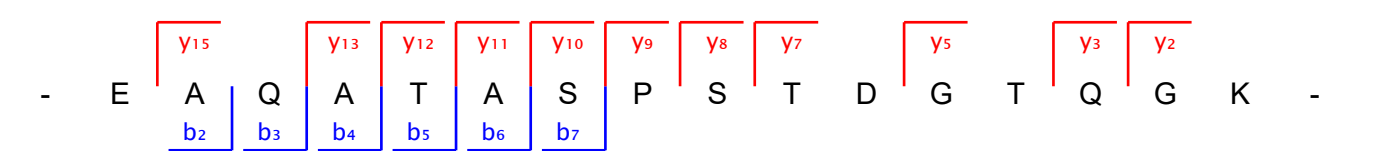
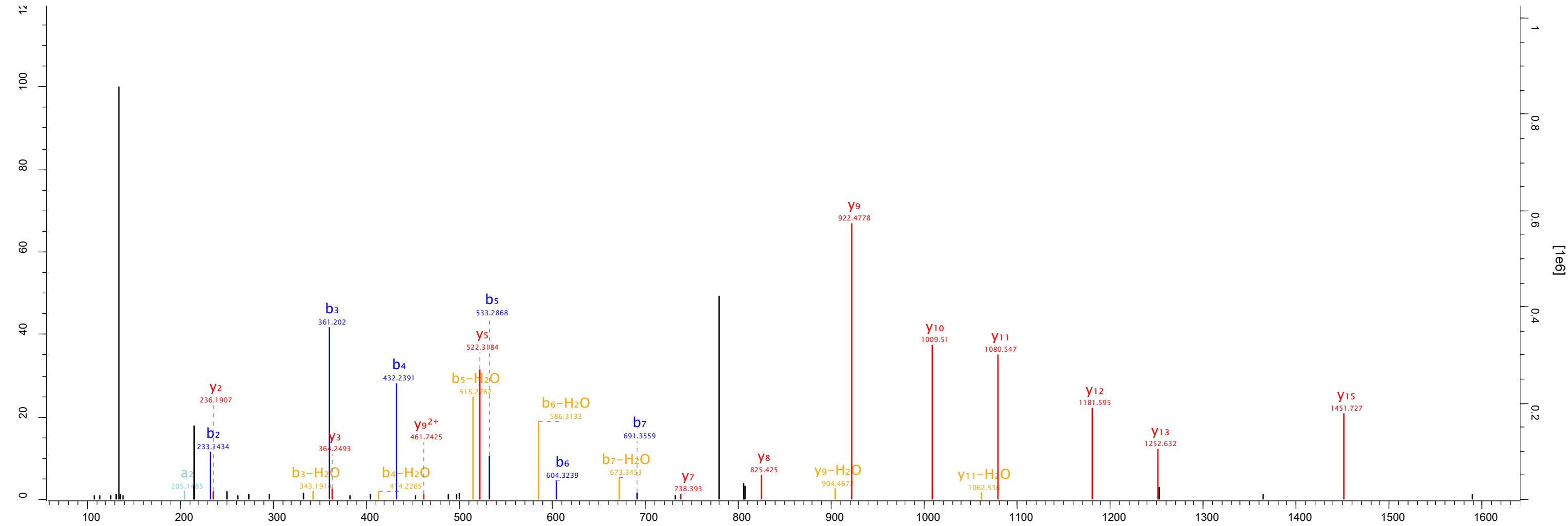


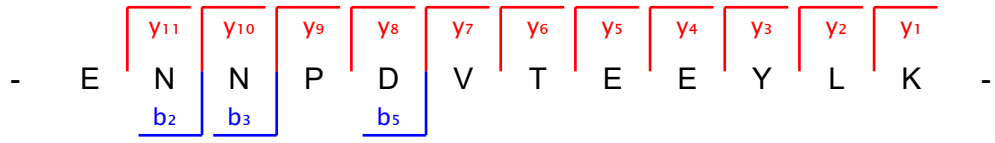
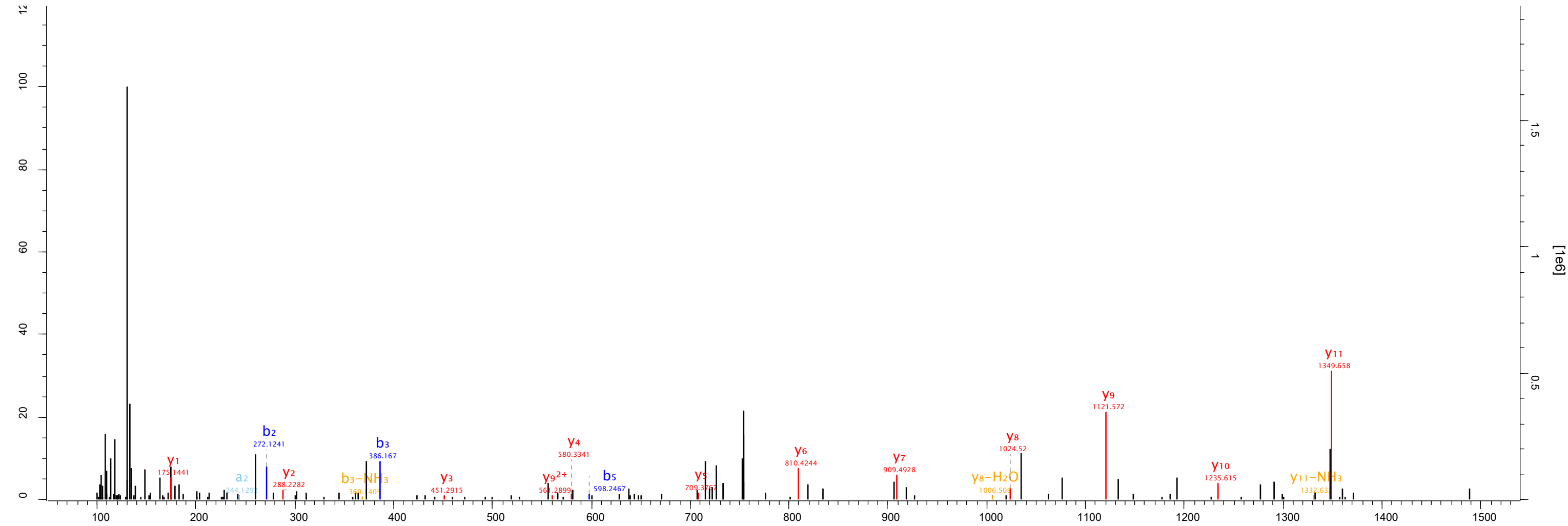


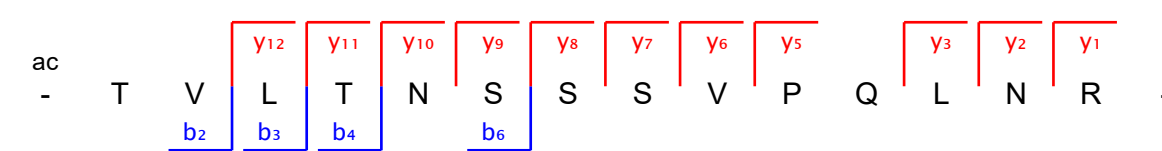
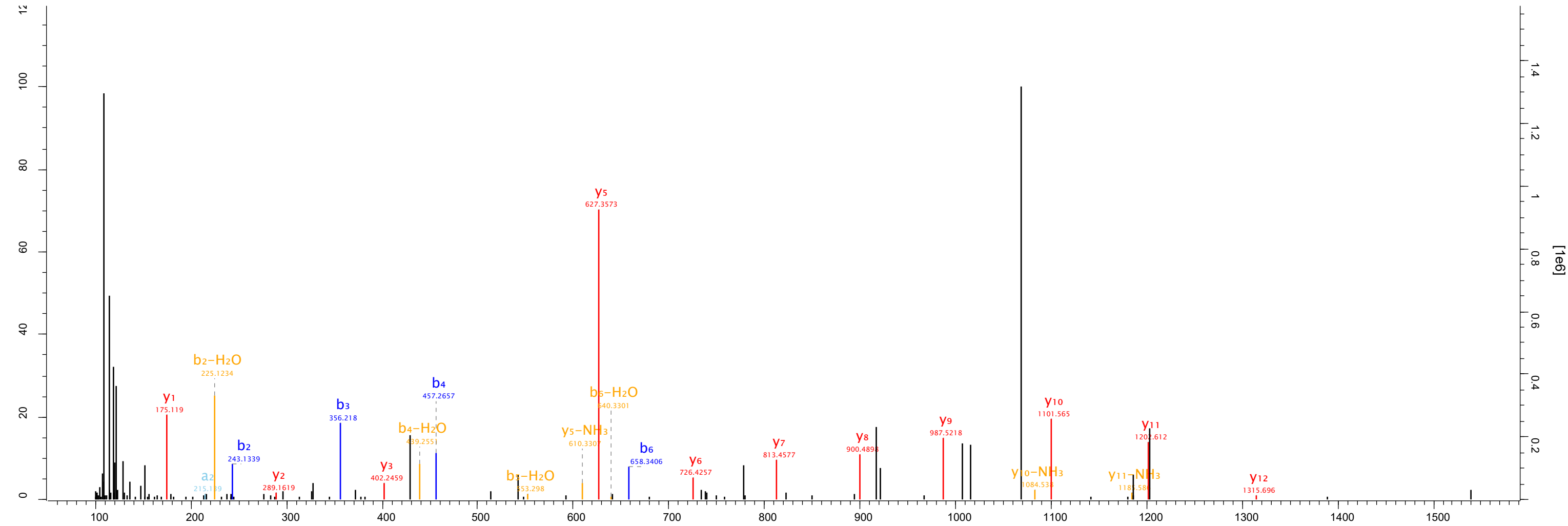






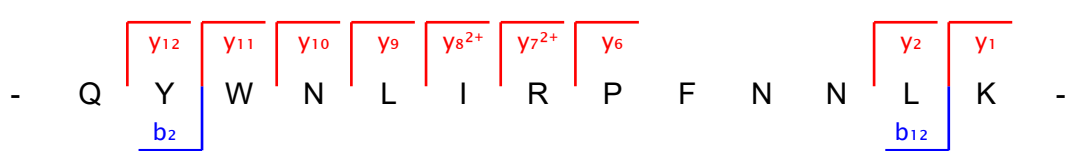
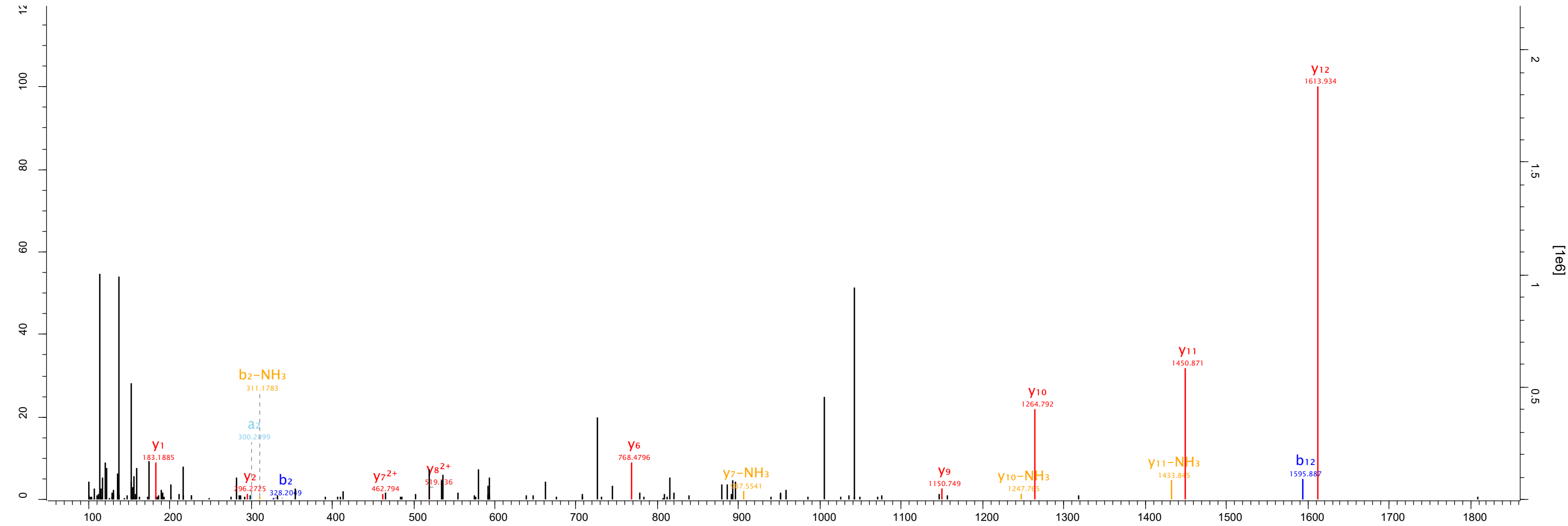


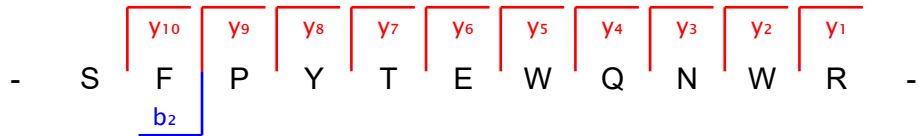
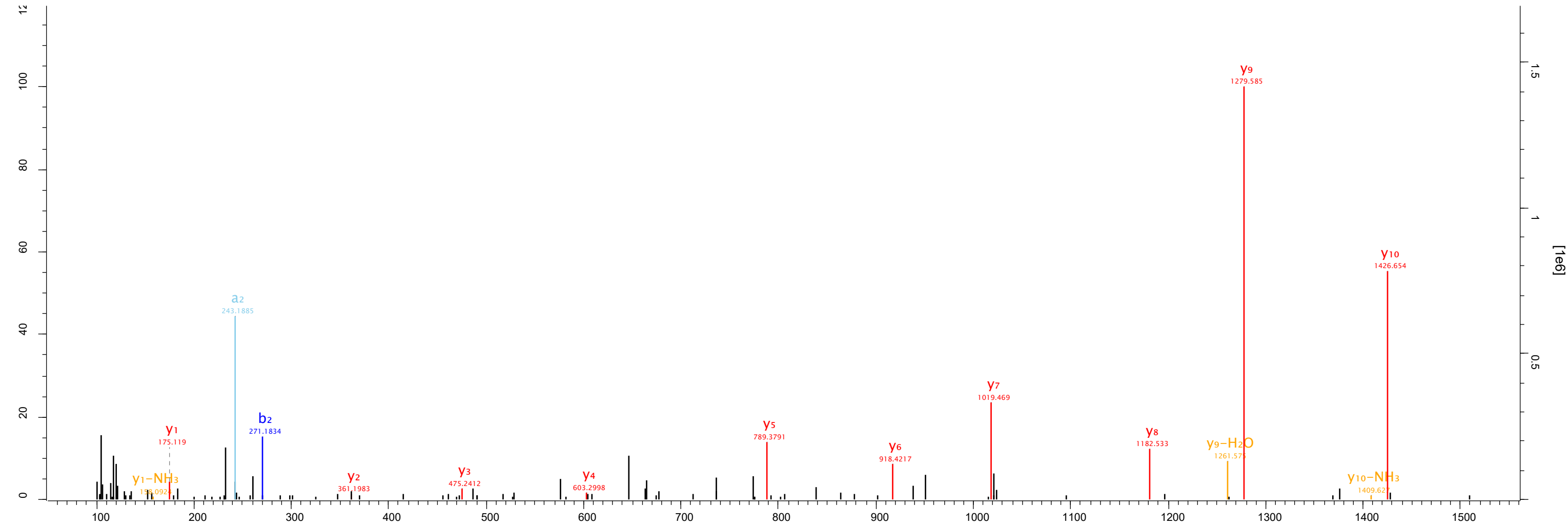


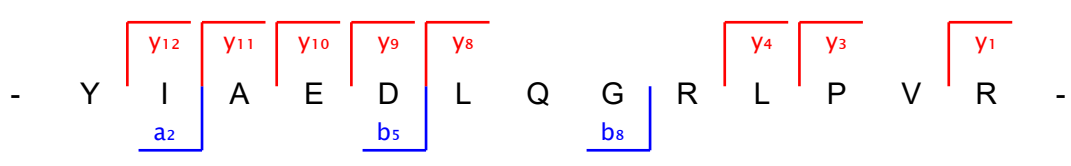
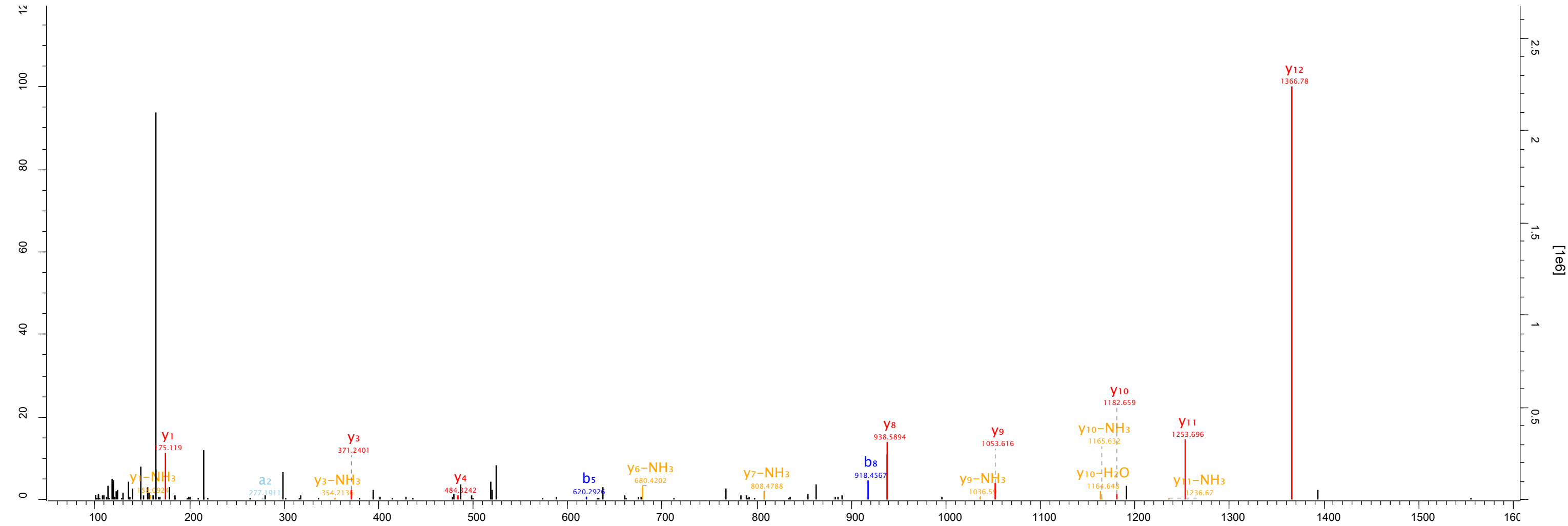


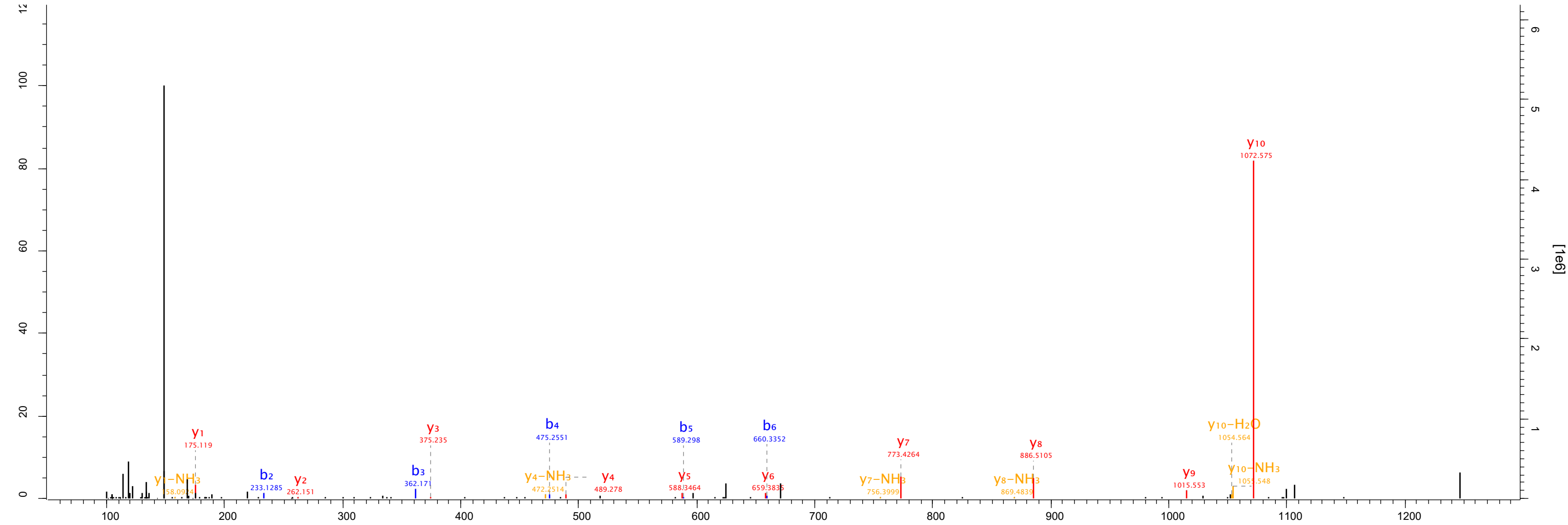
Raw file 20160713_PS_Scystis_dimethyl_Mix2_8_55_fract9

Scan 35423 Method FTMS; HCD Score 57.17 m/z 593.36

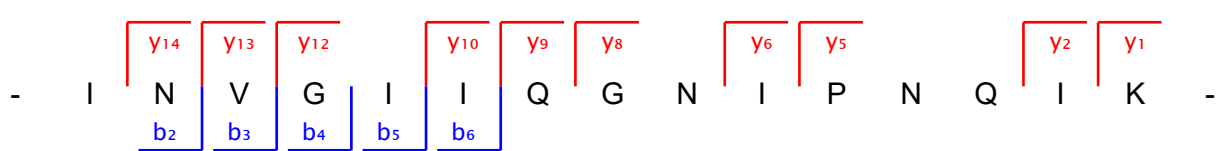
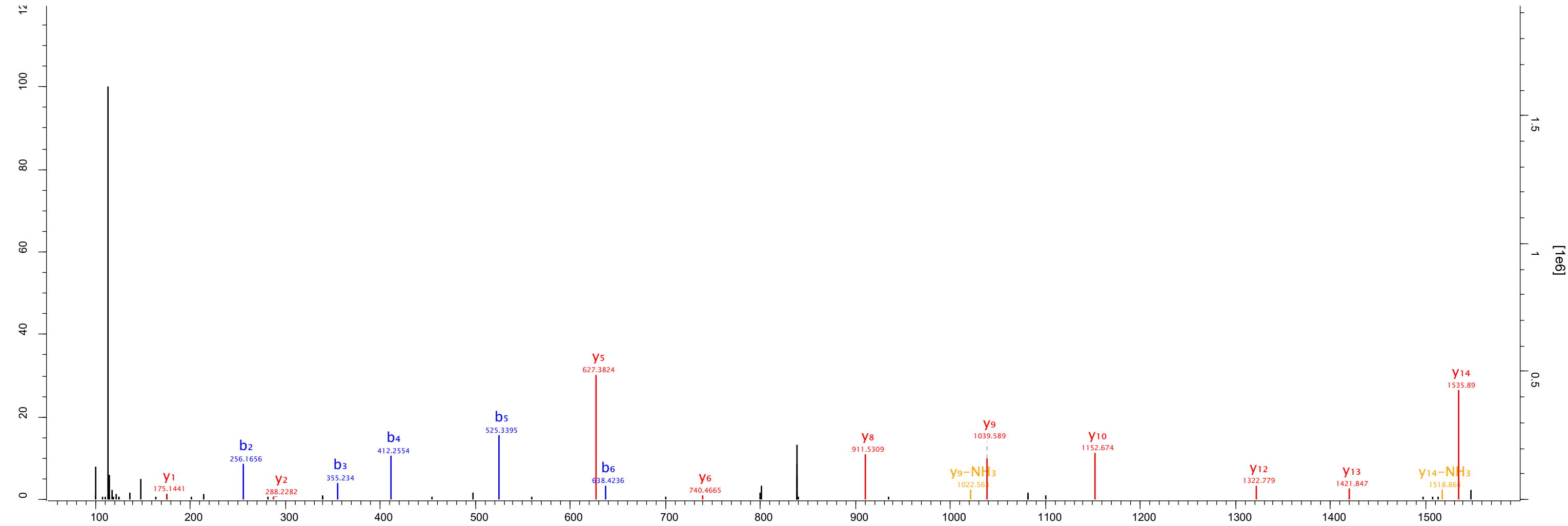


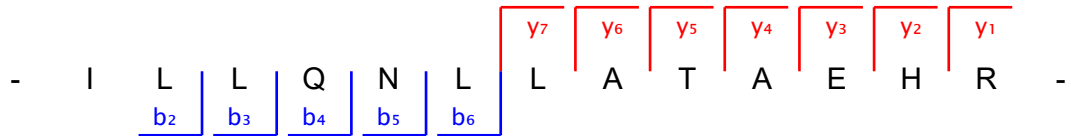
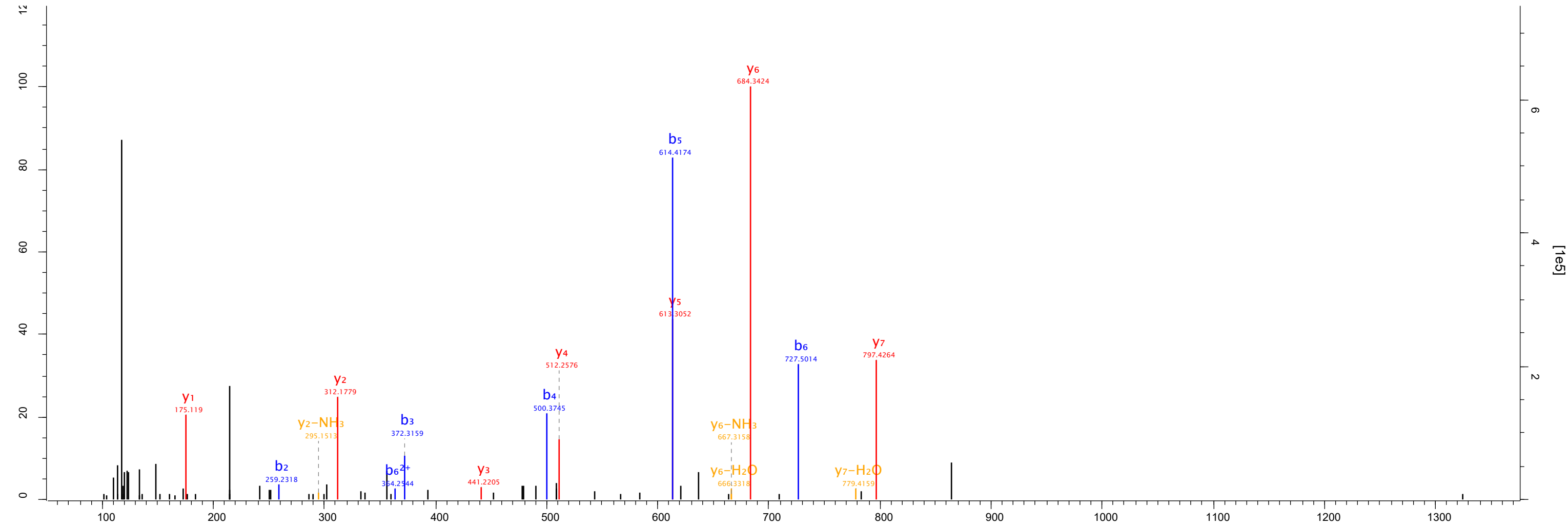


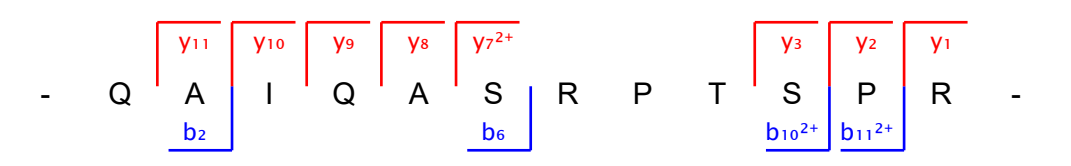
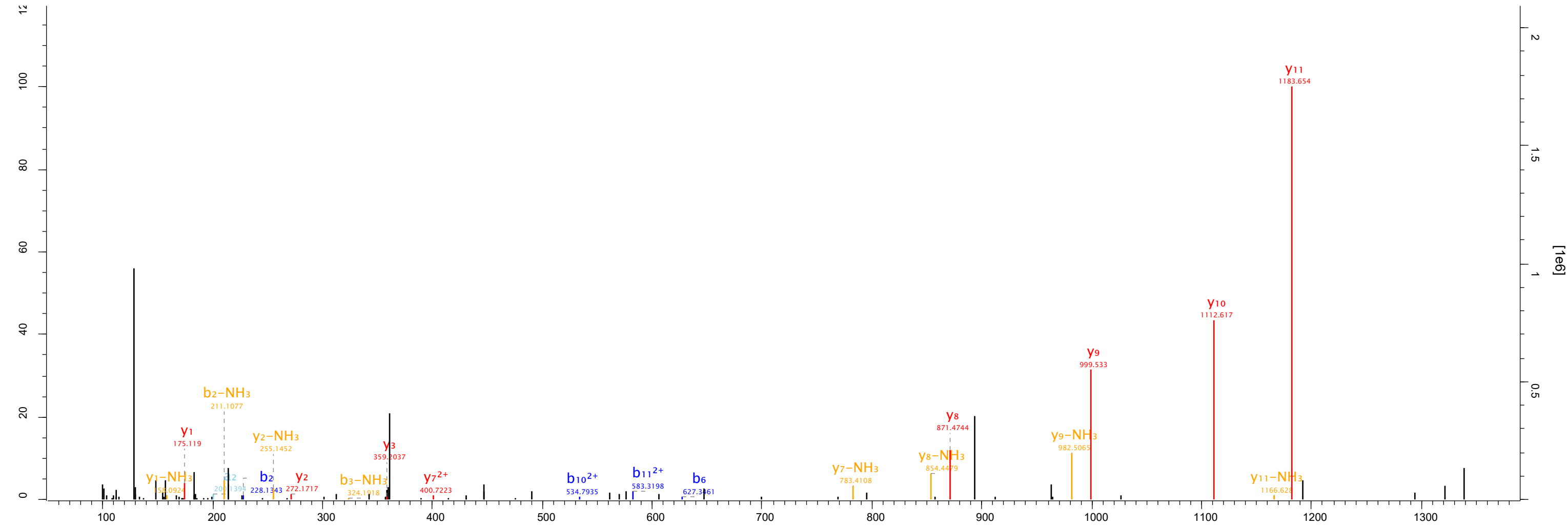


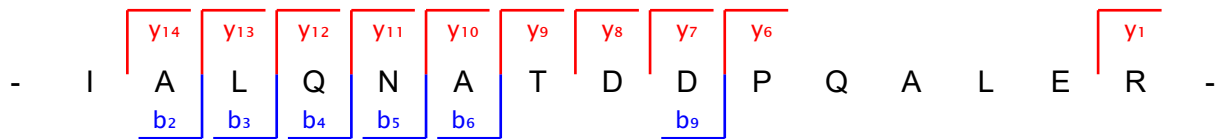
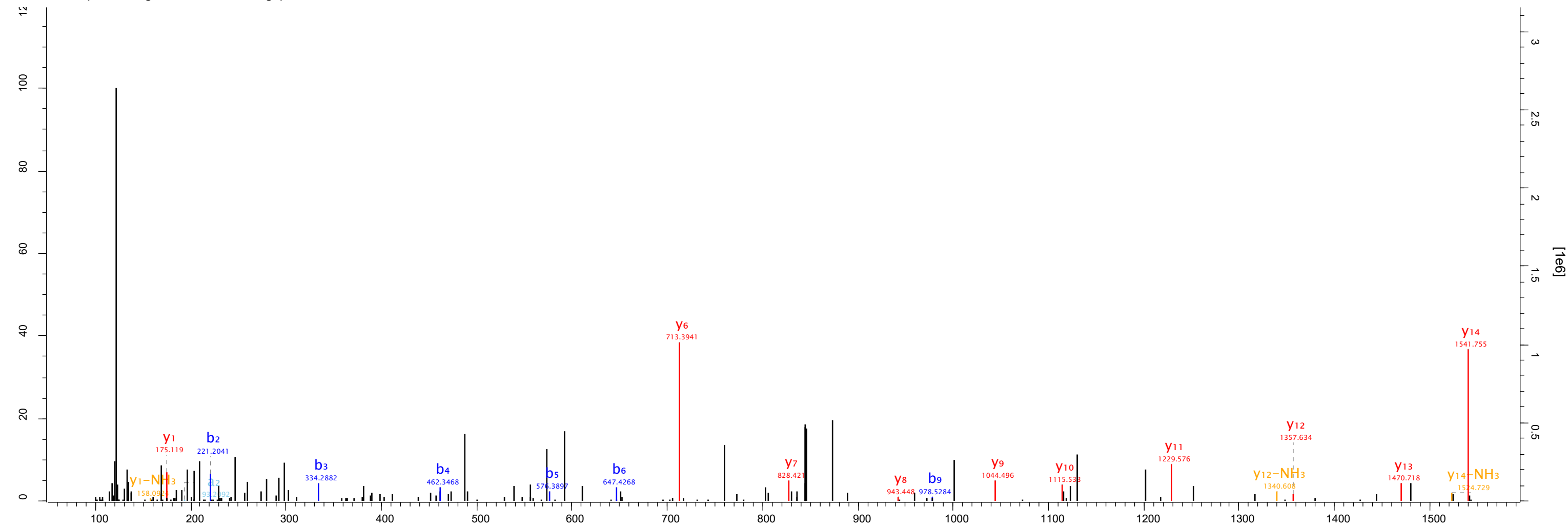


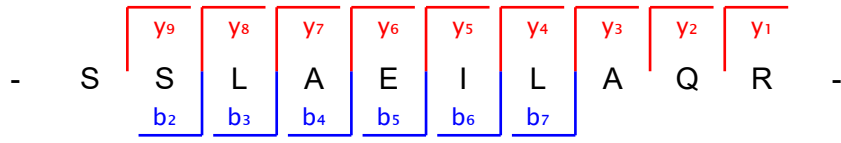
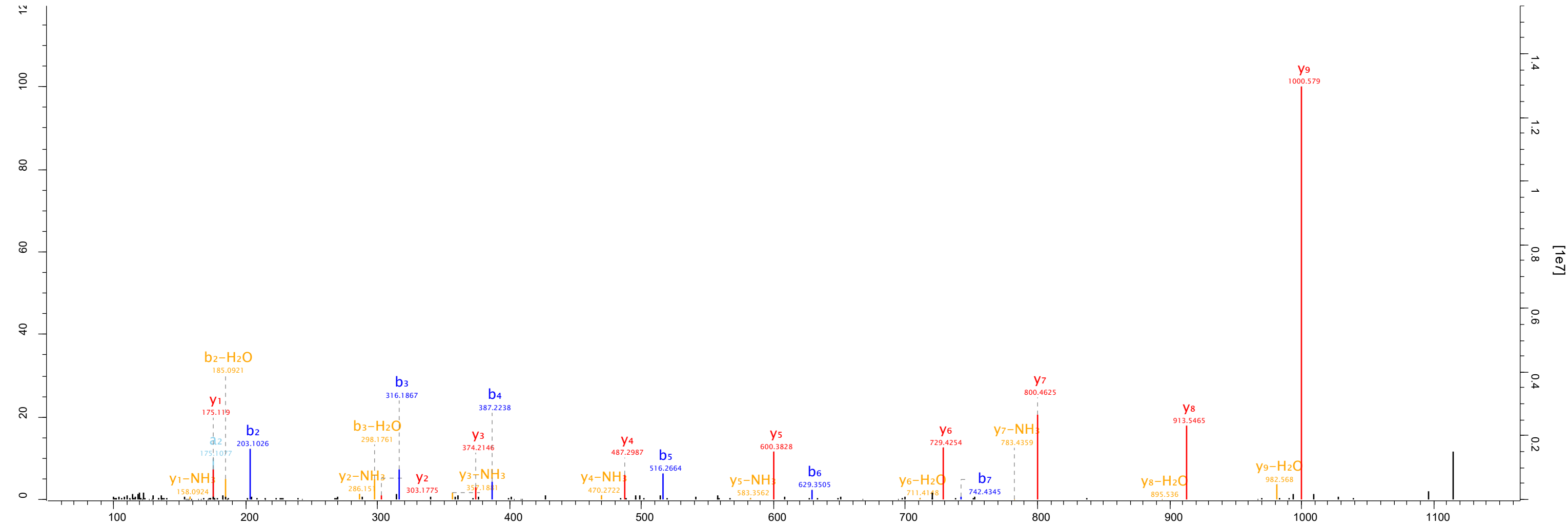
- F G E L N A V N L S R -
b2 b3 b4 b5 b6

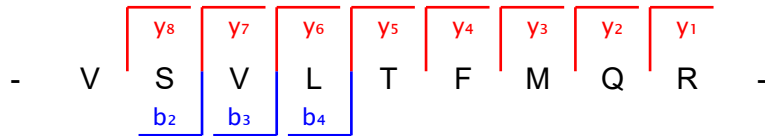
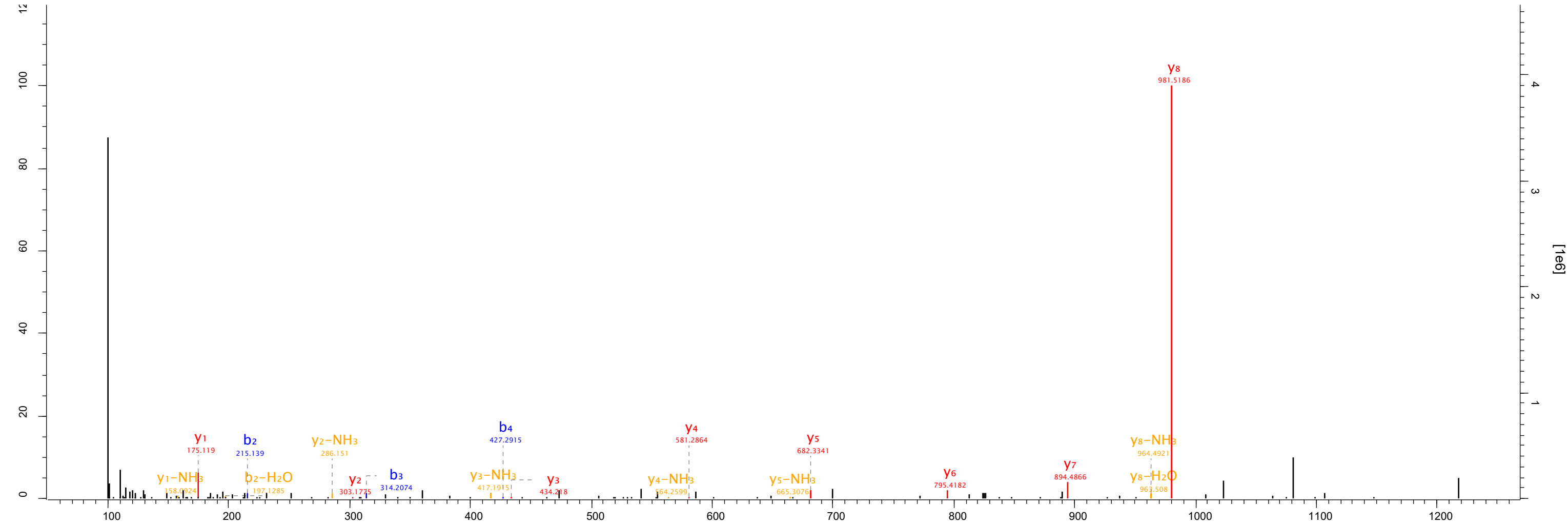


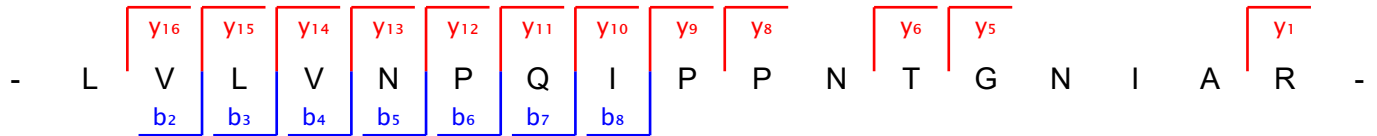
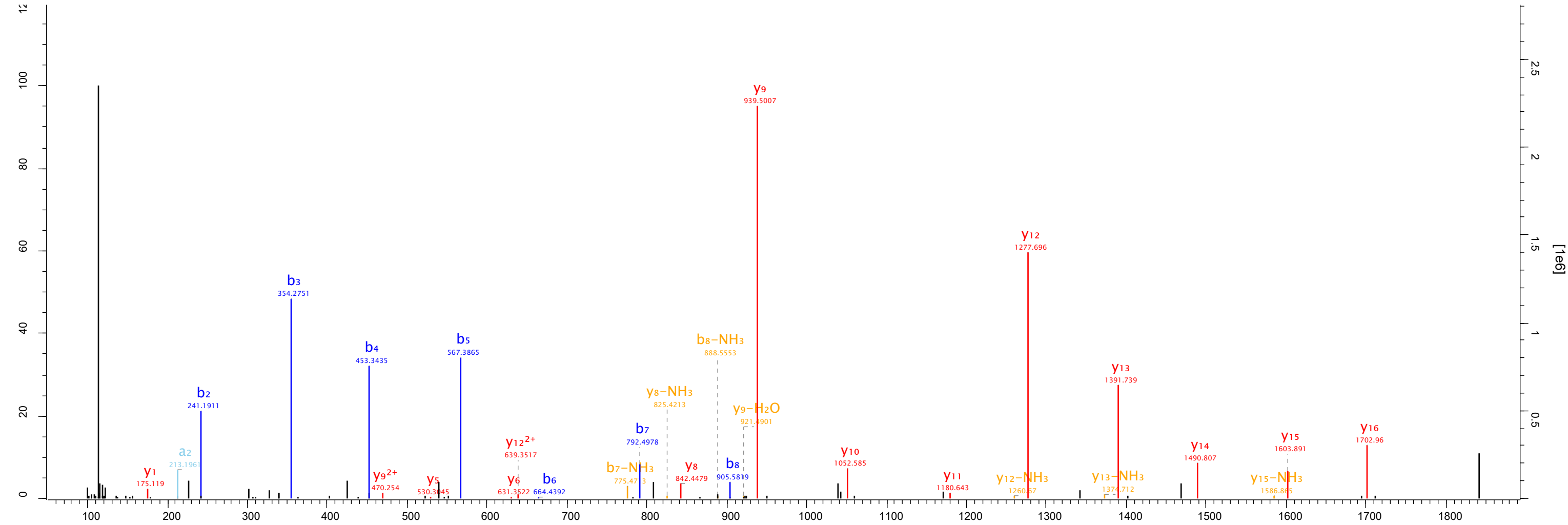


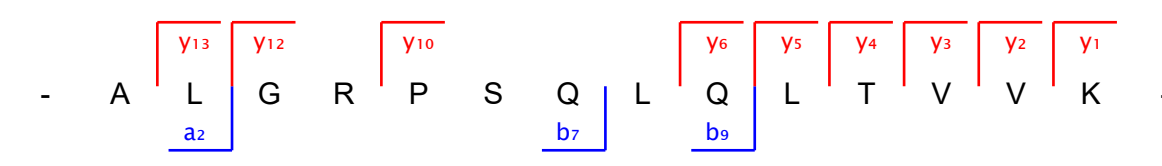
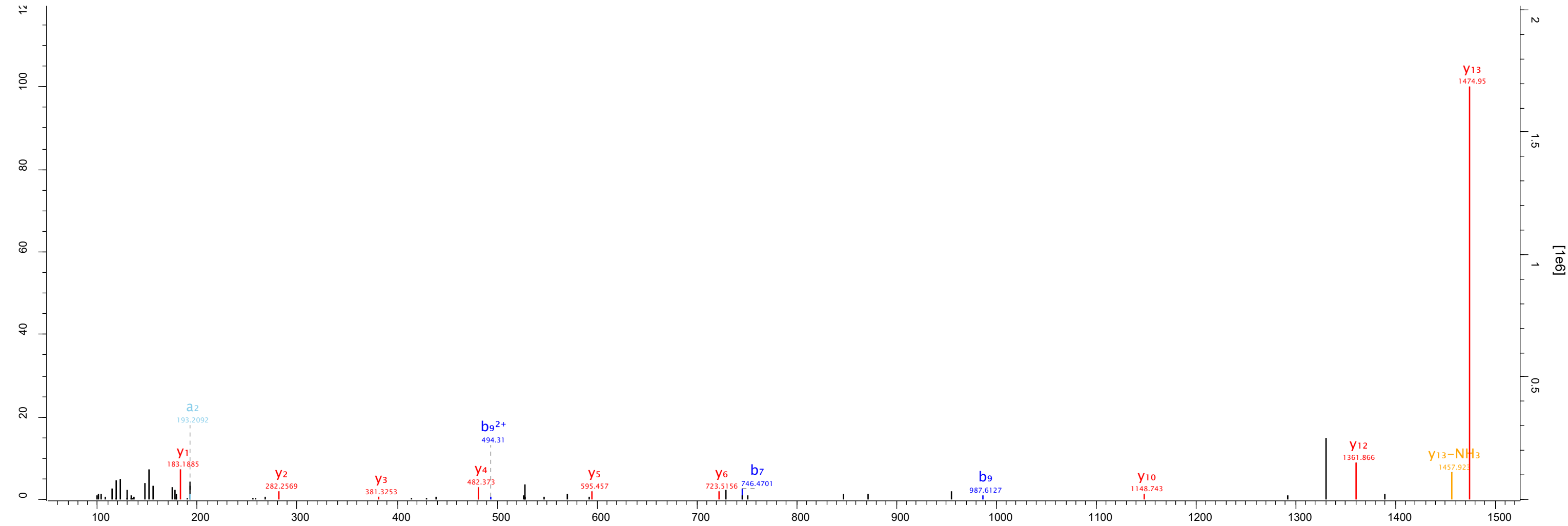


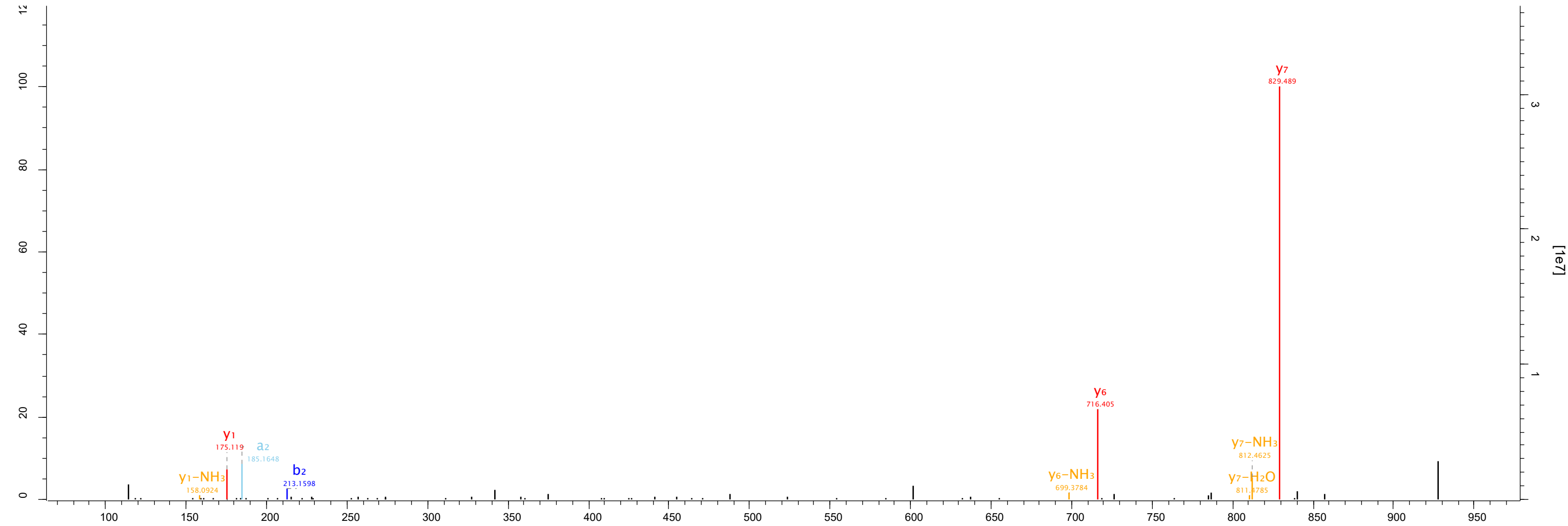






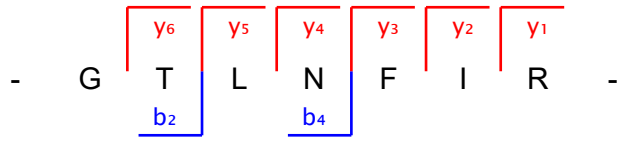
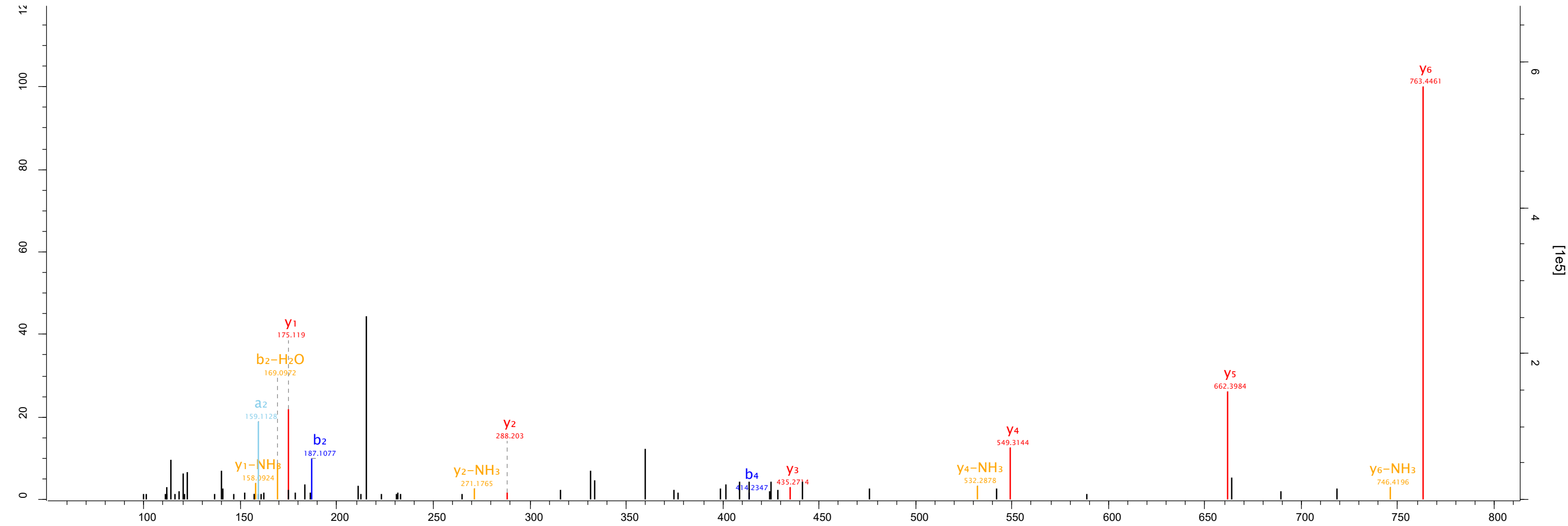


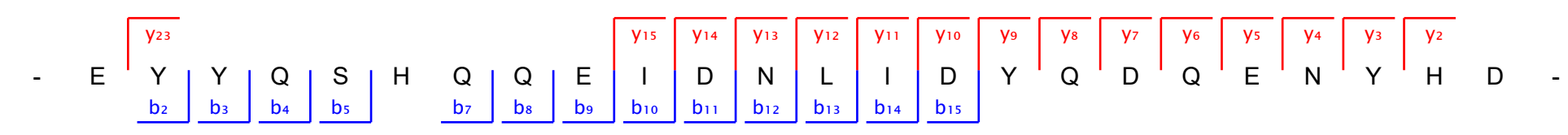
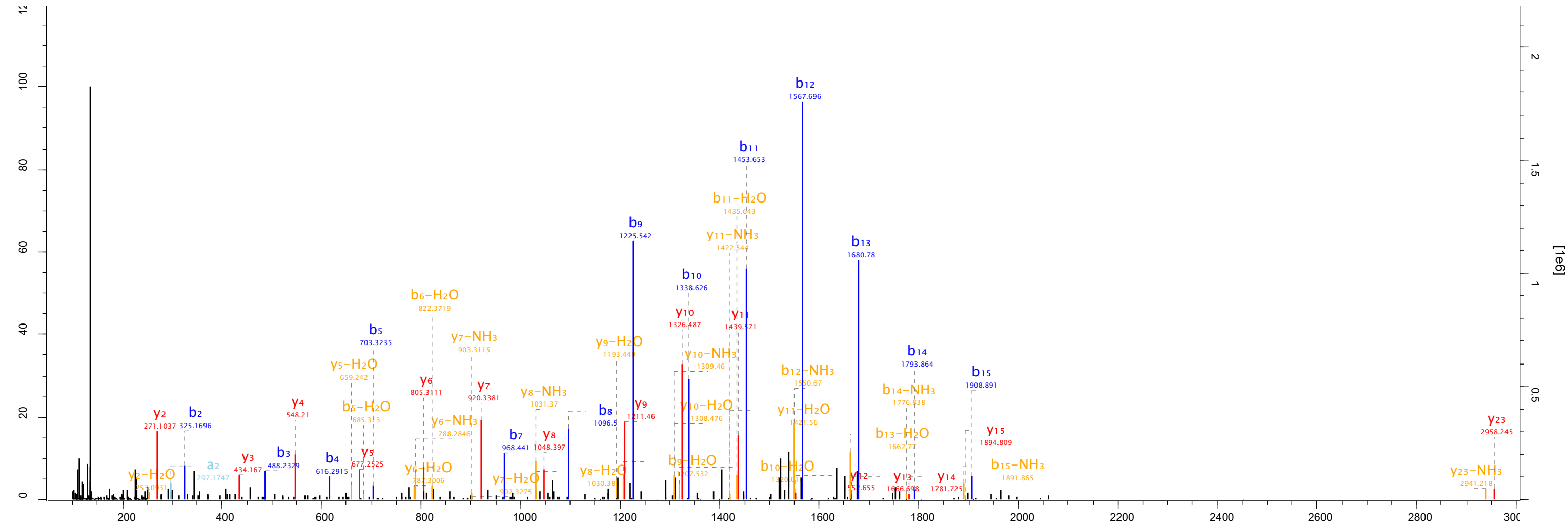


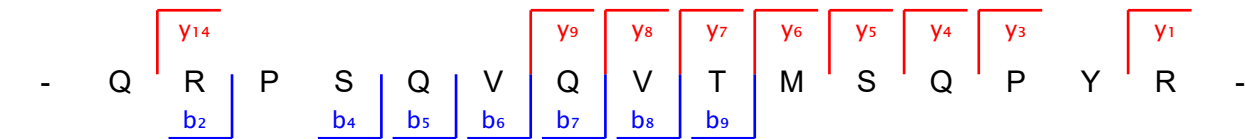
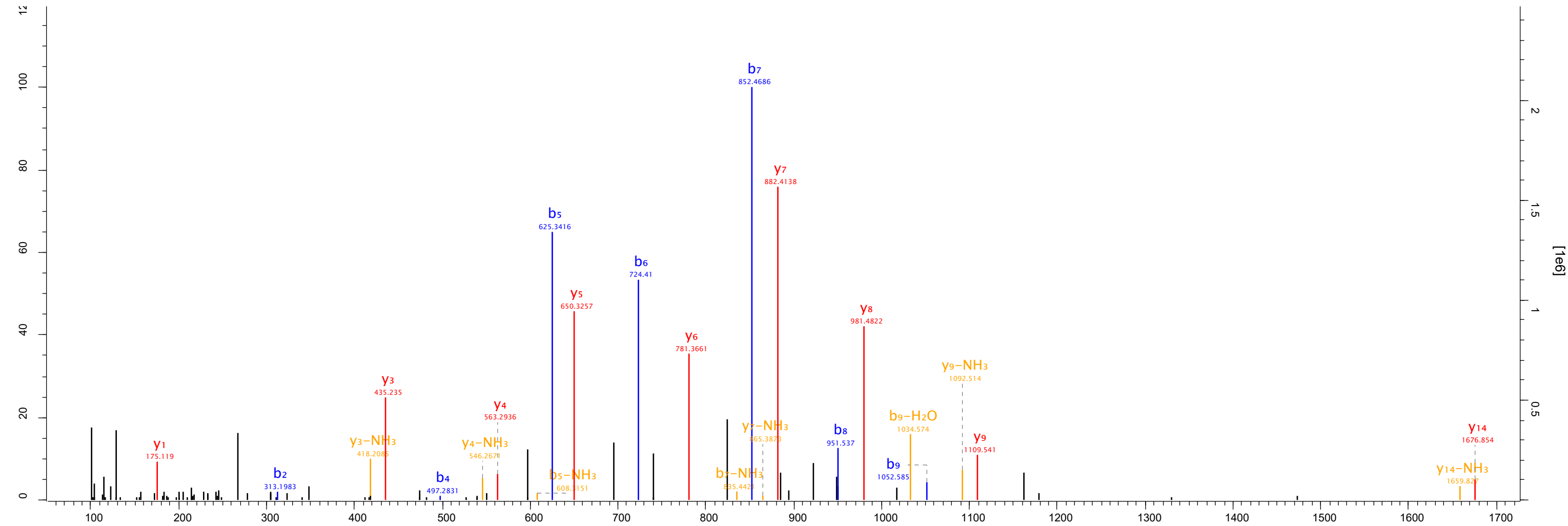


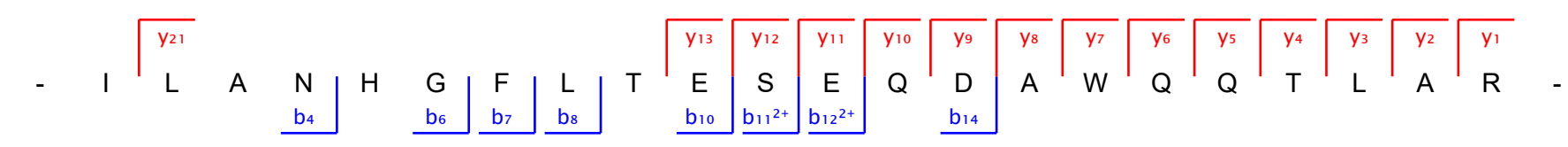
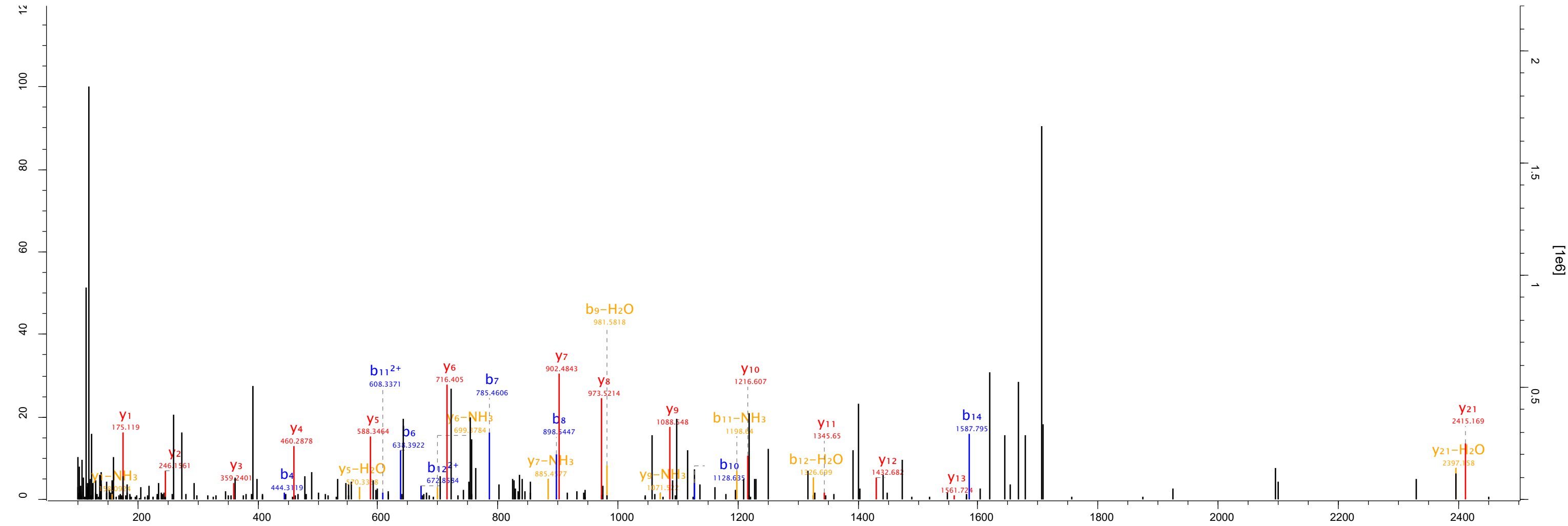
Raw file
20160712_PS_Scystis_dimethyl_Mix0_24_55_fract8

Scan 15842 Method FTMS; HCD Score 81.78 m/z 424.75



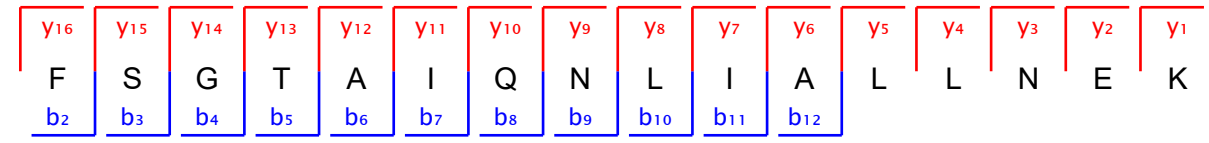
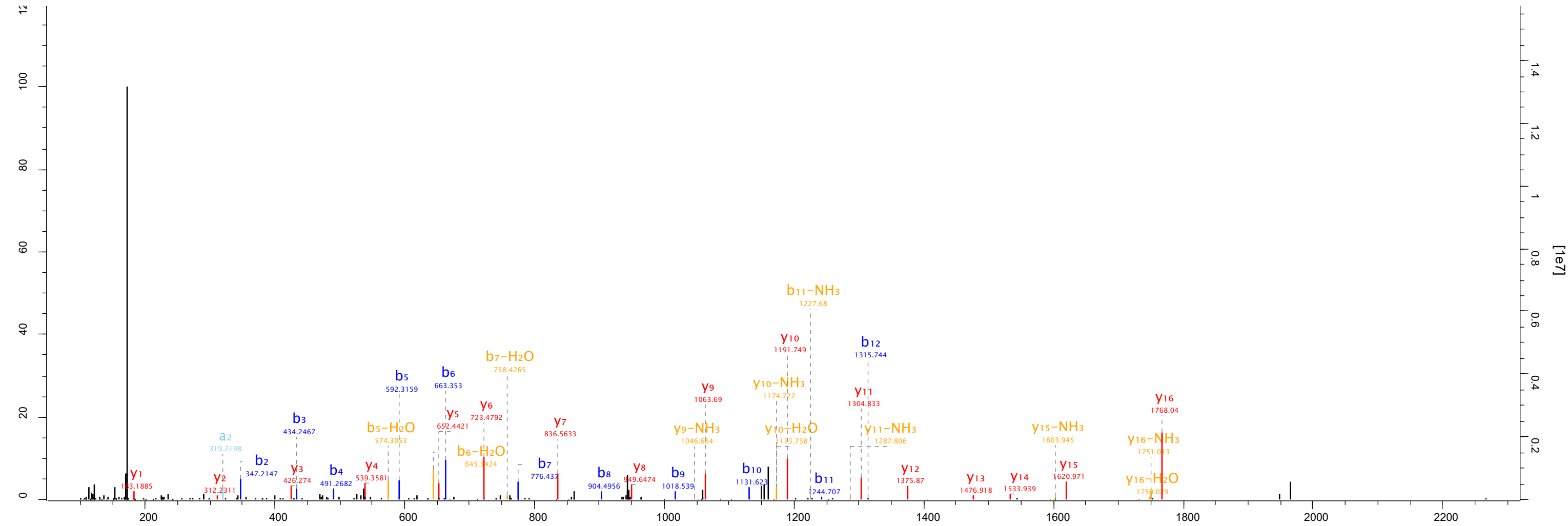


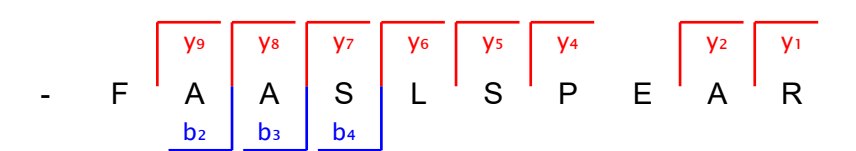
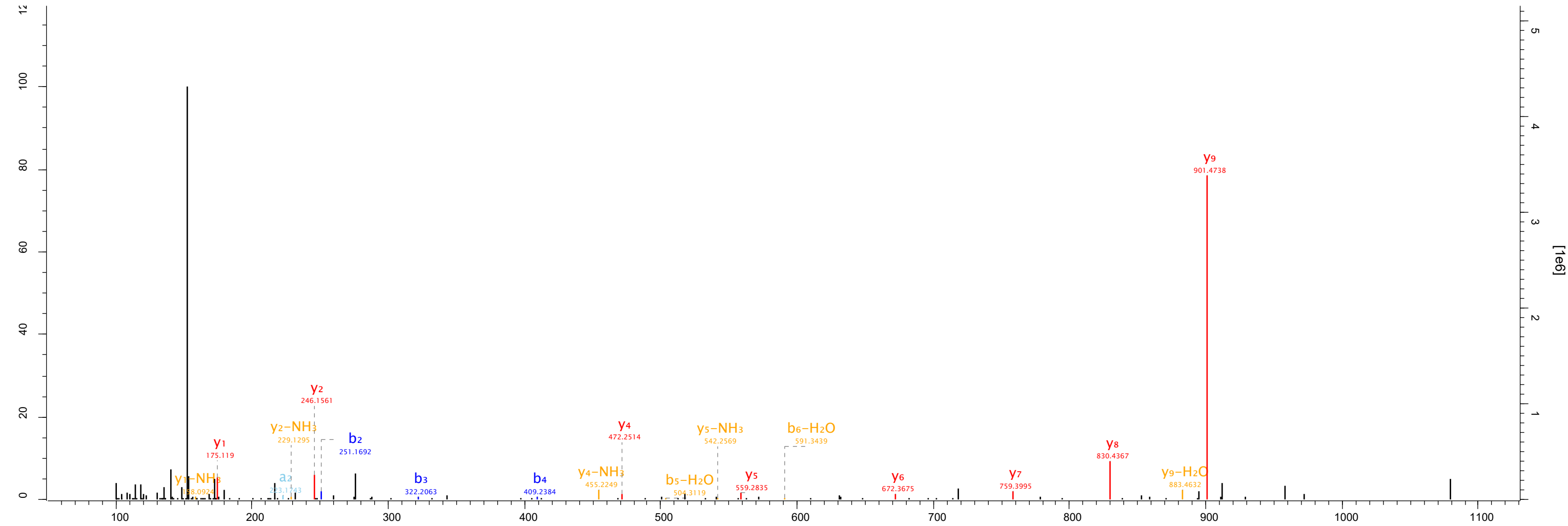


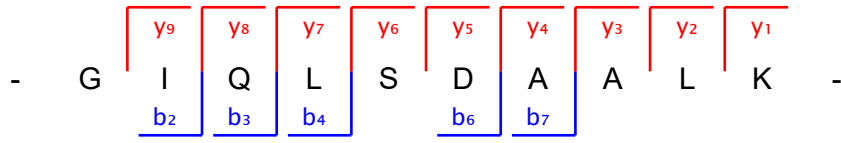
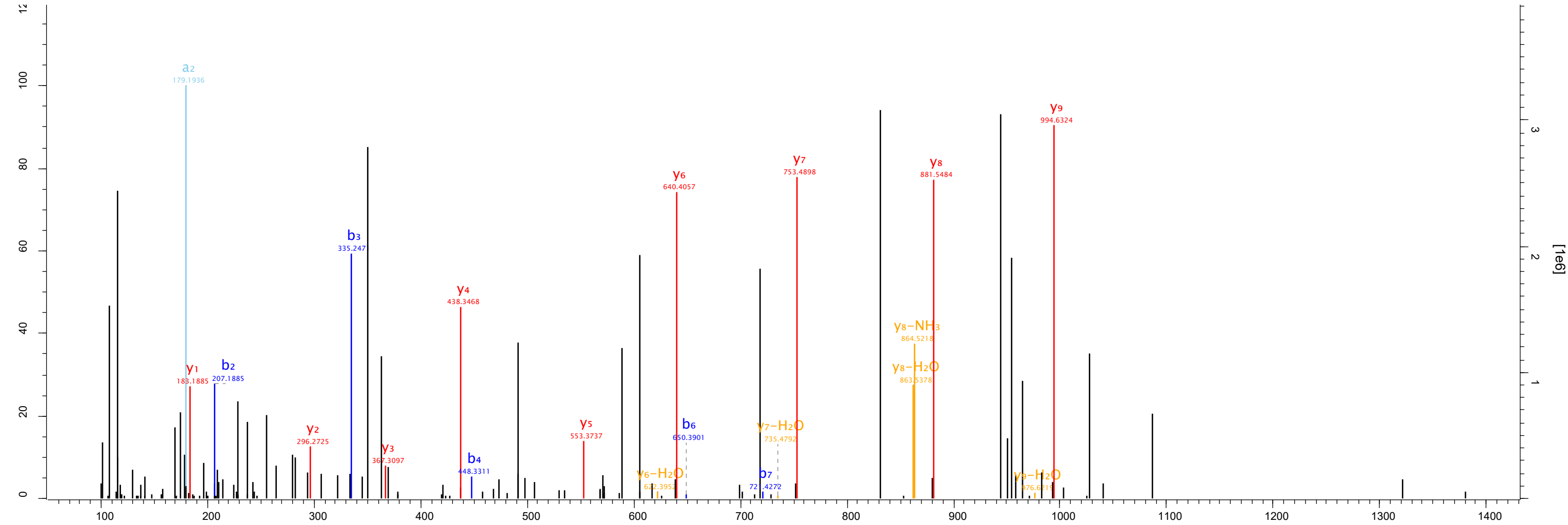


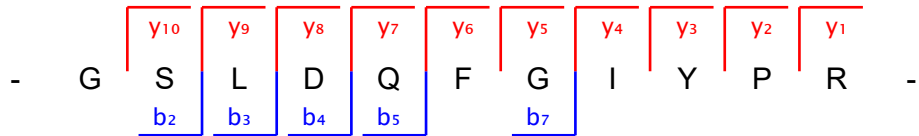
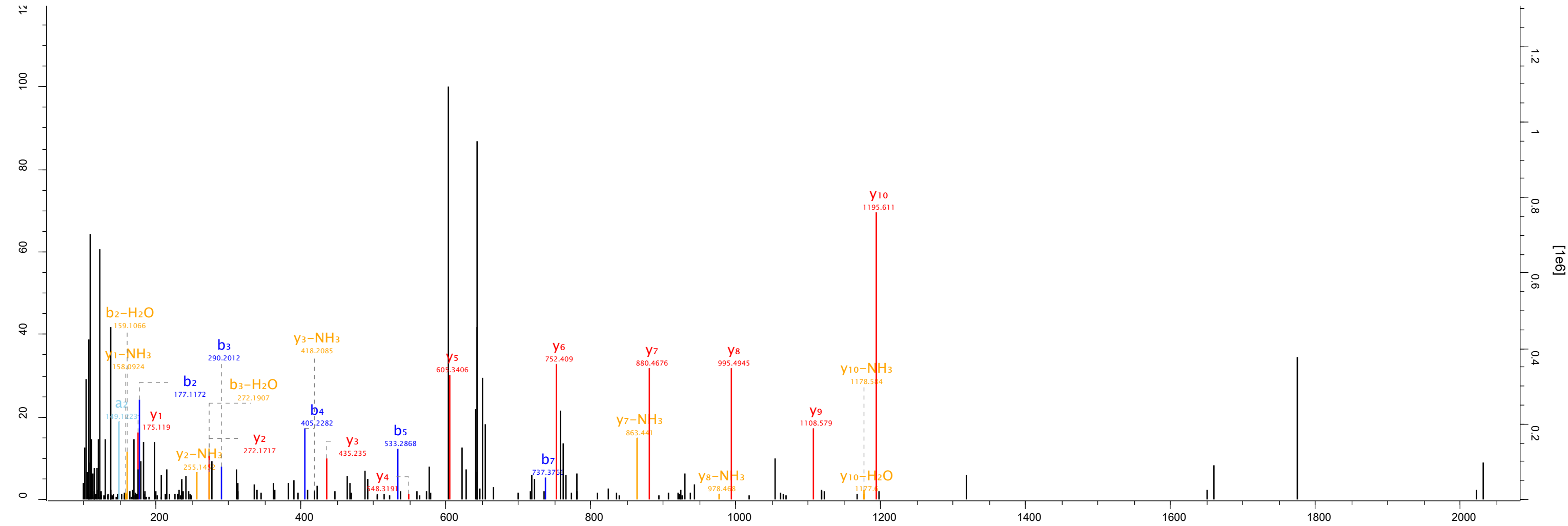
Raw file

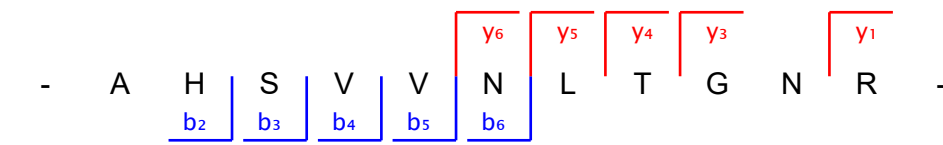
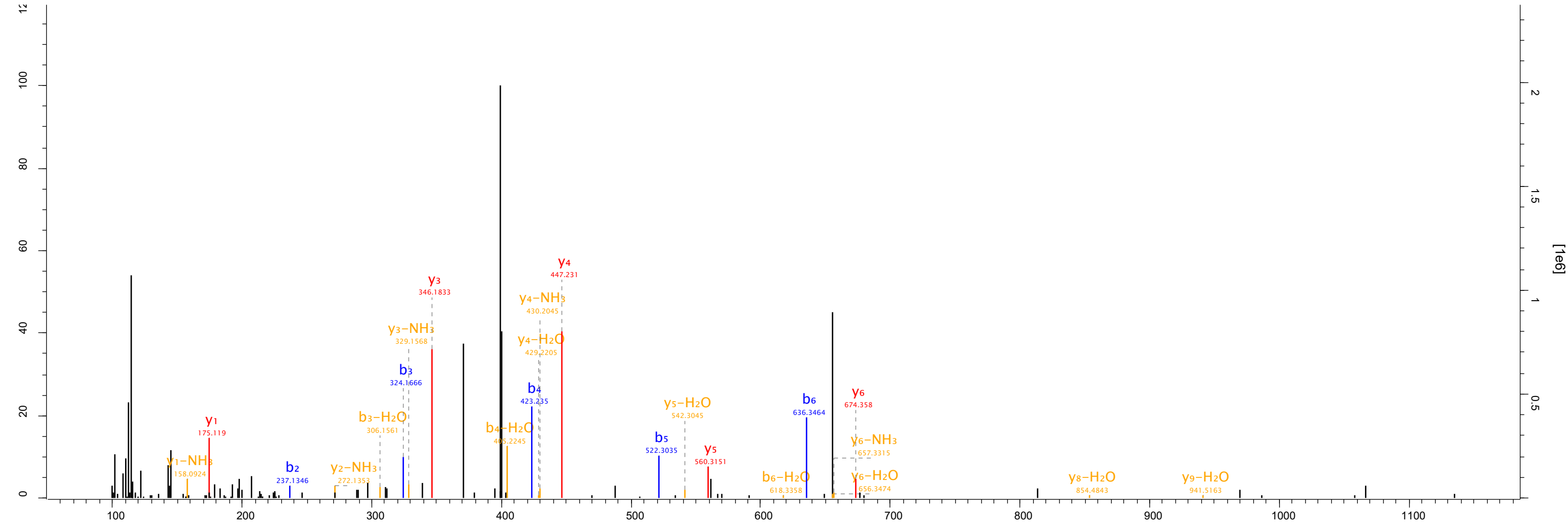
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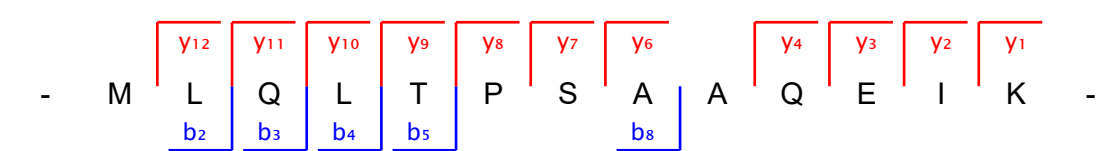
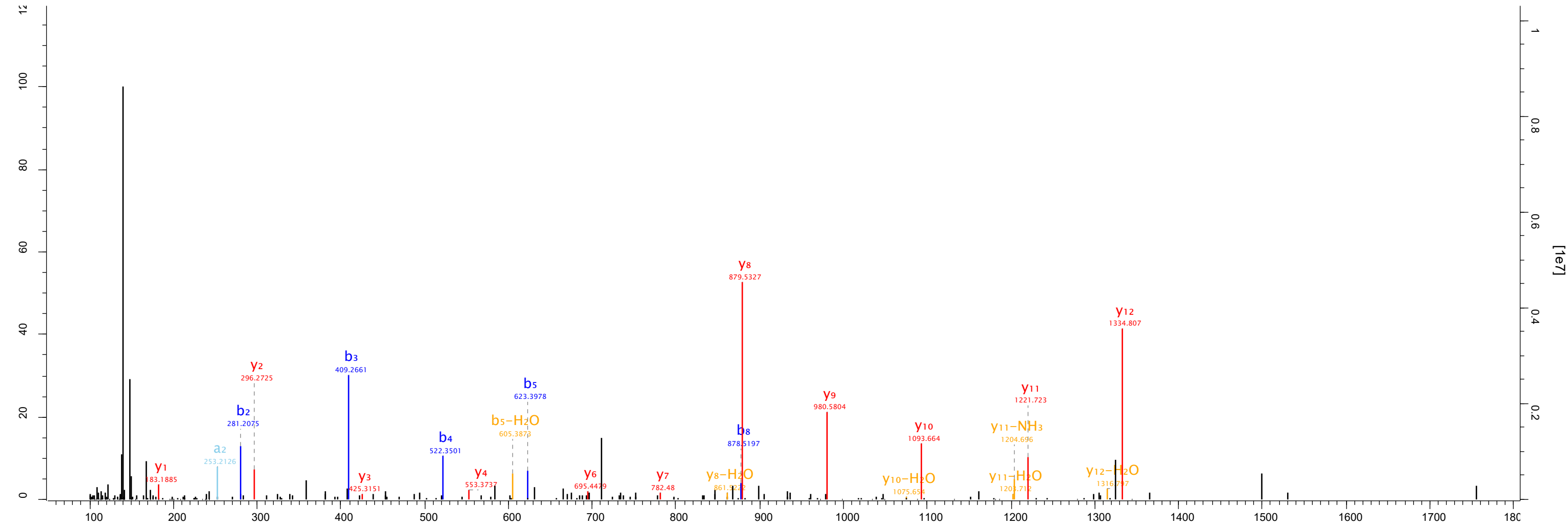


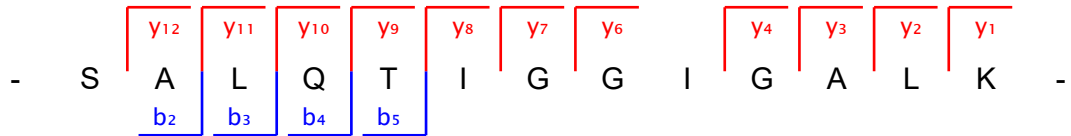
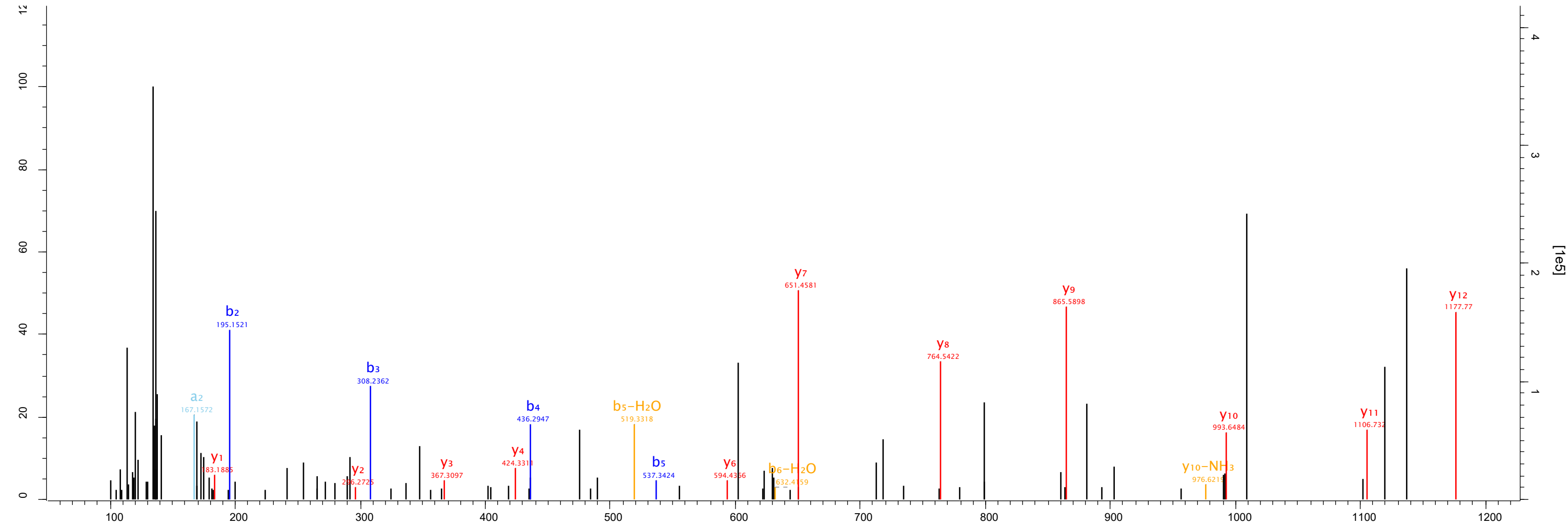


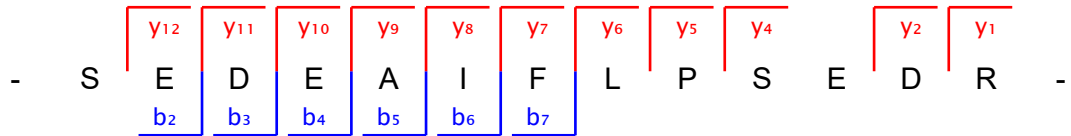
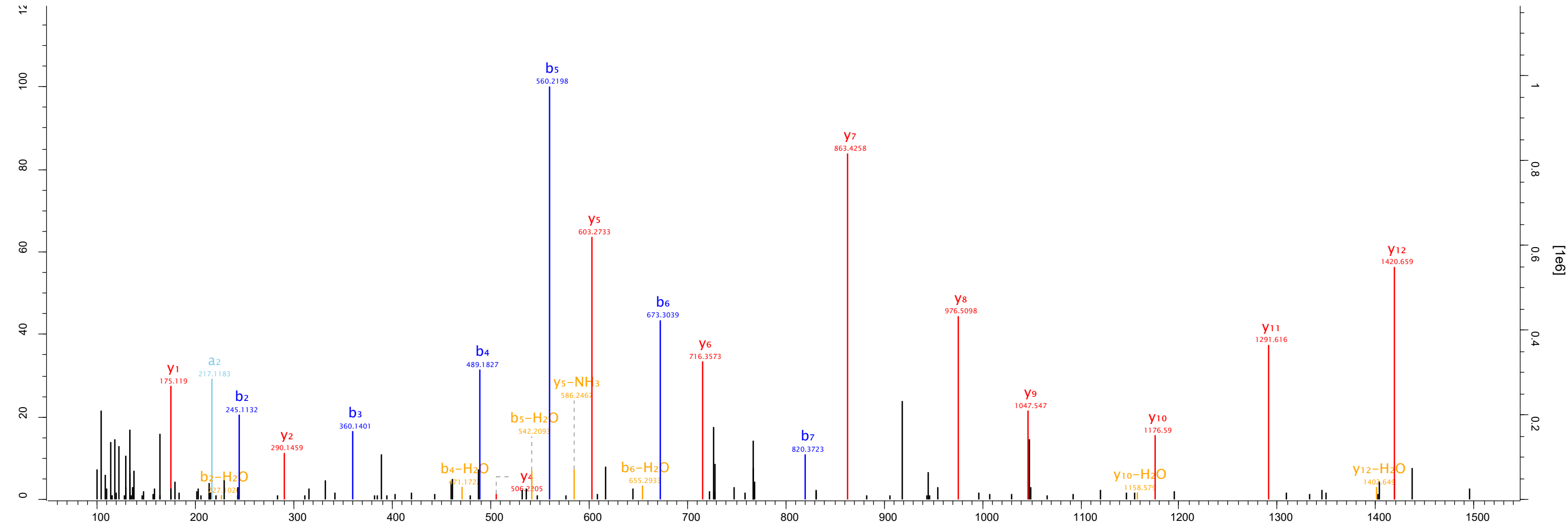


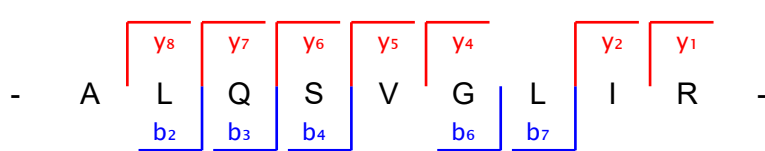
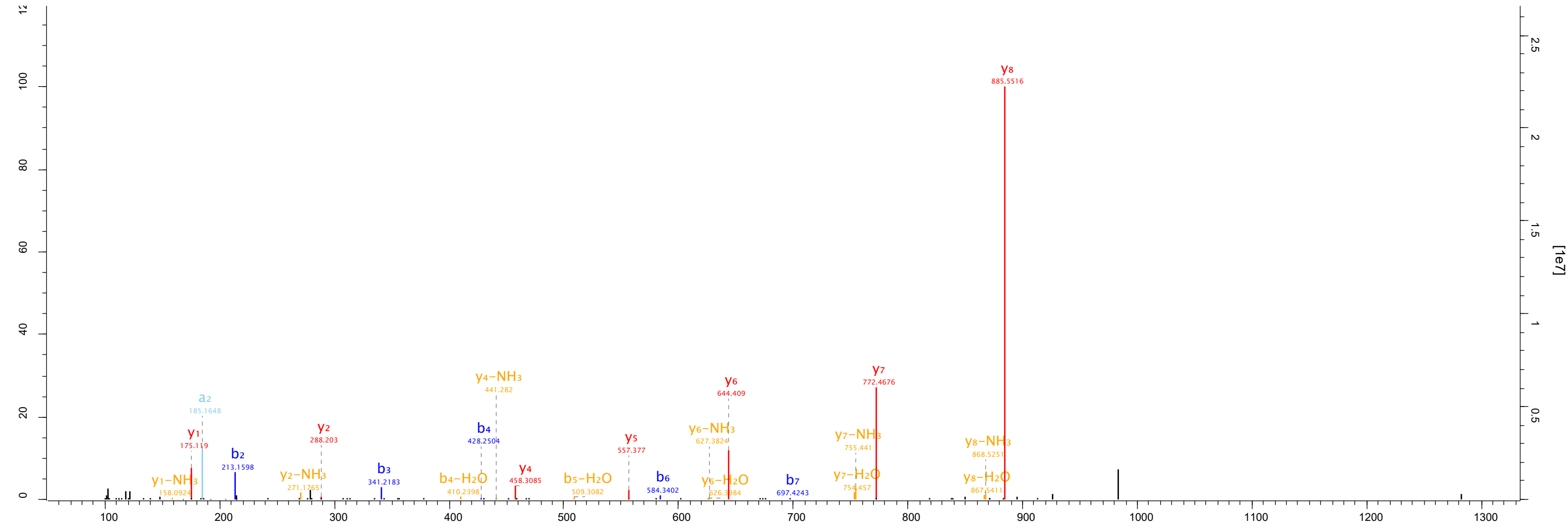


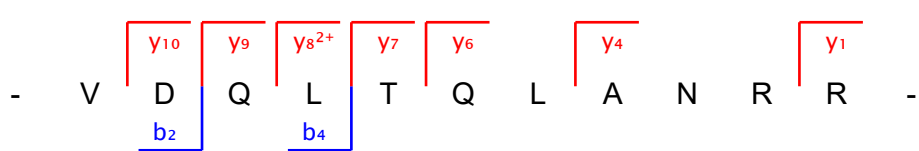
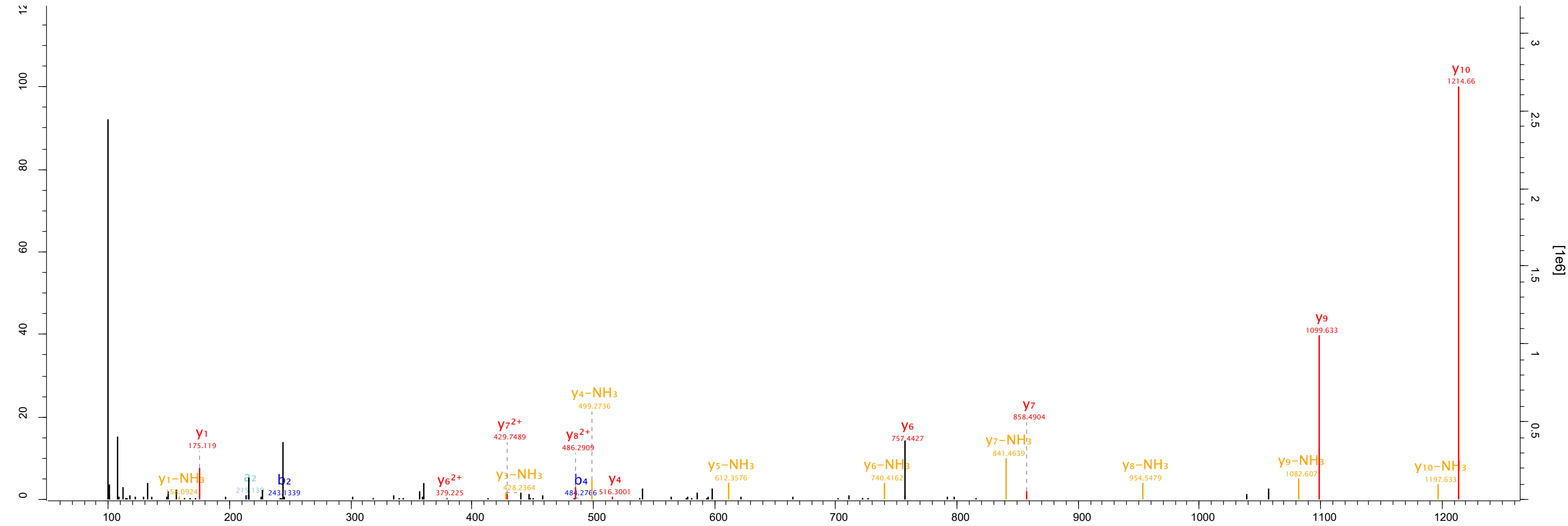


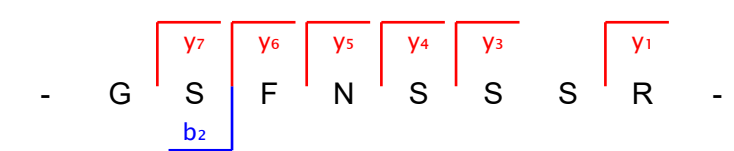
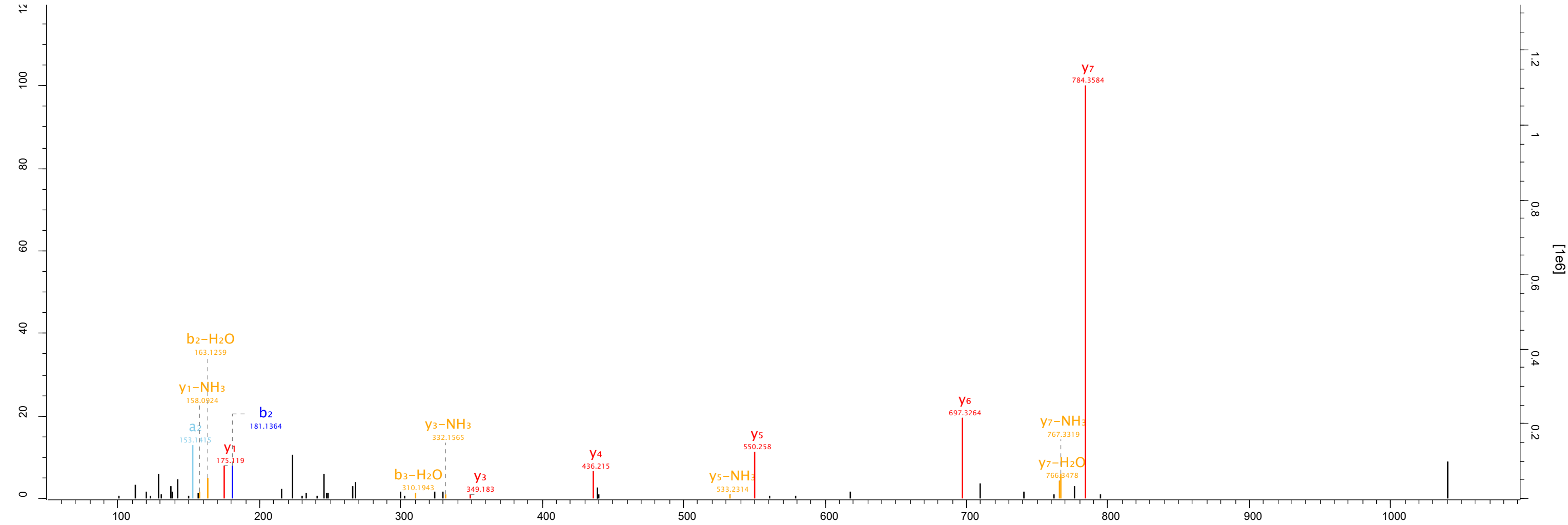


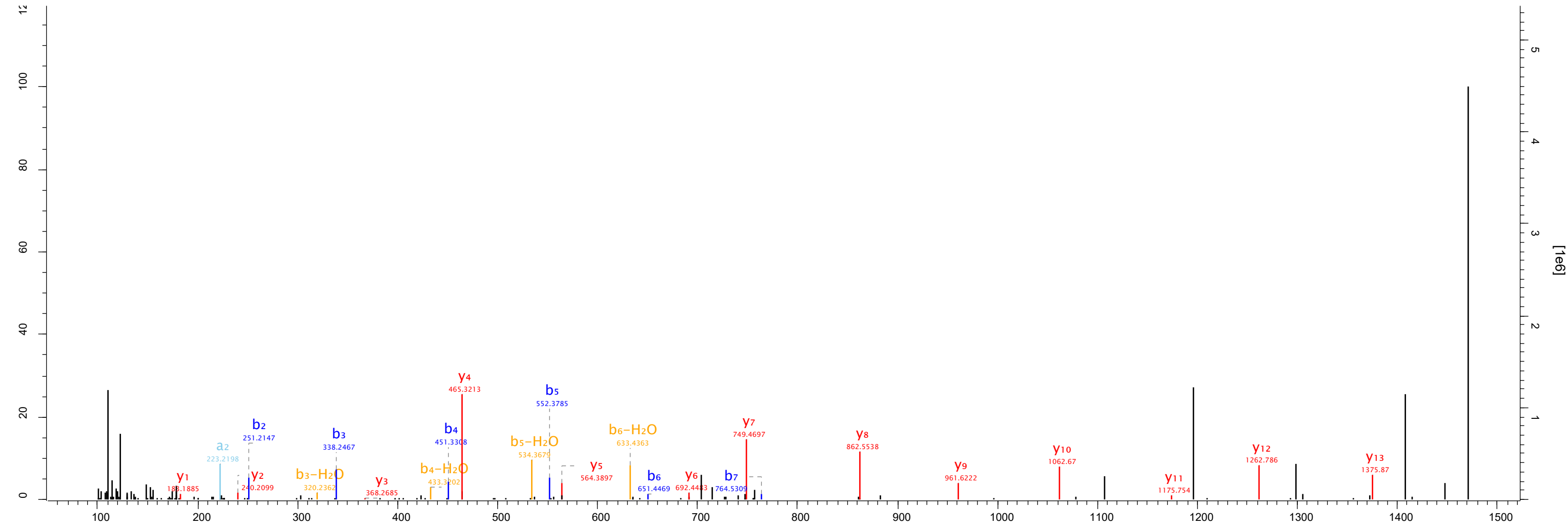








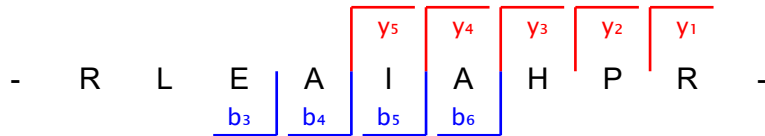
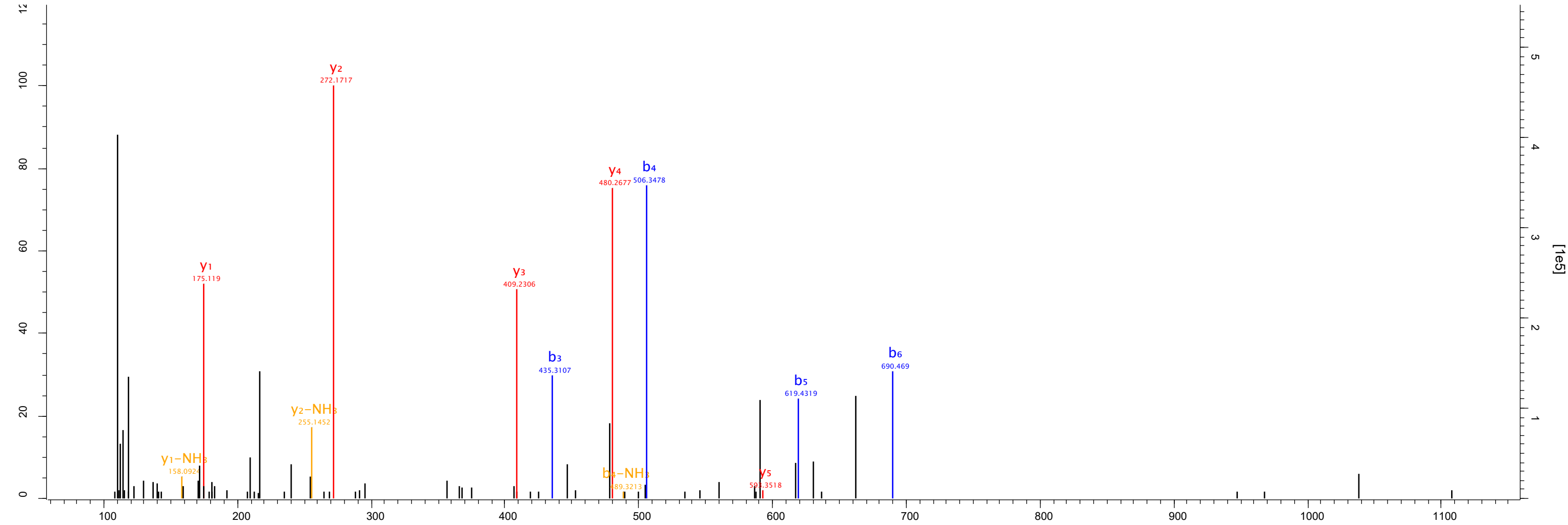


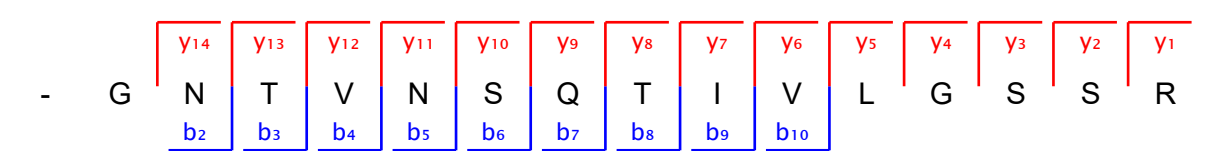
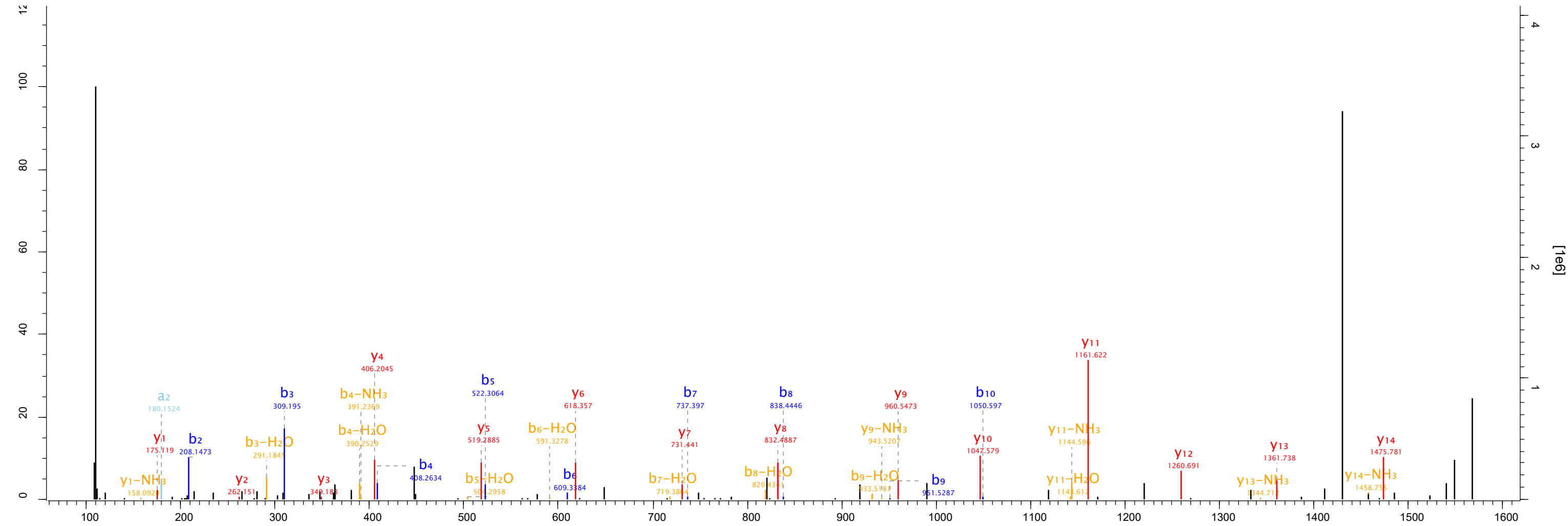


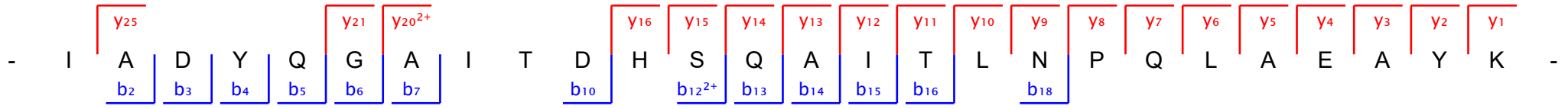
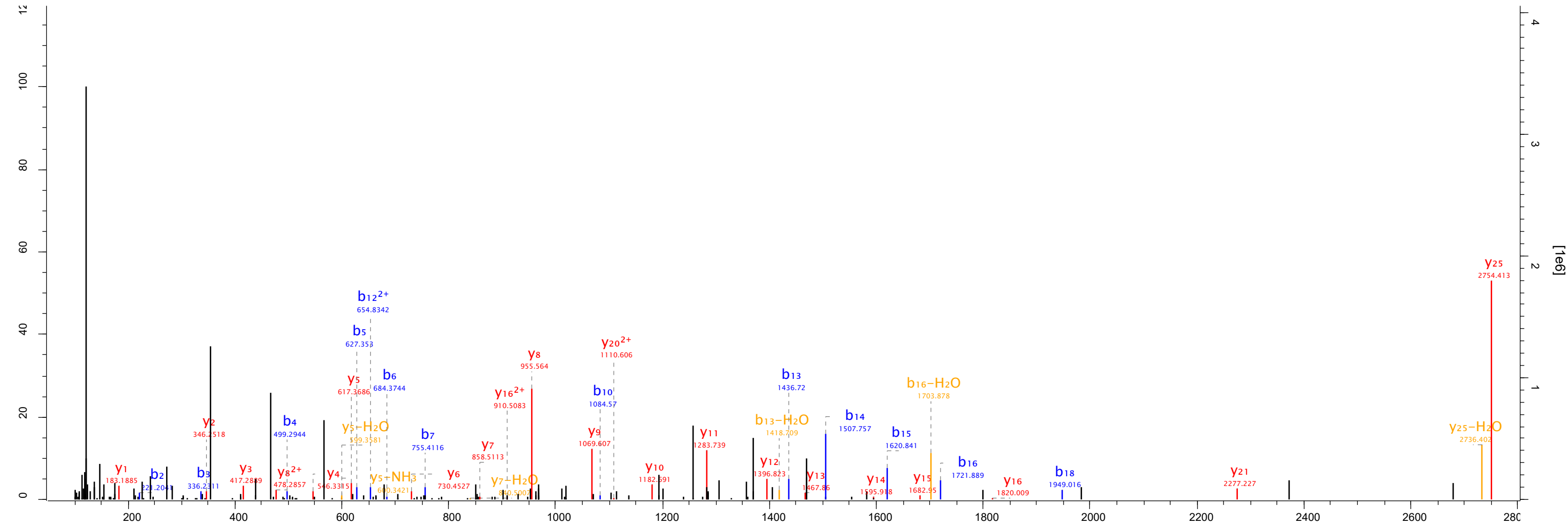
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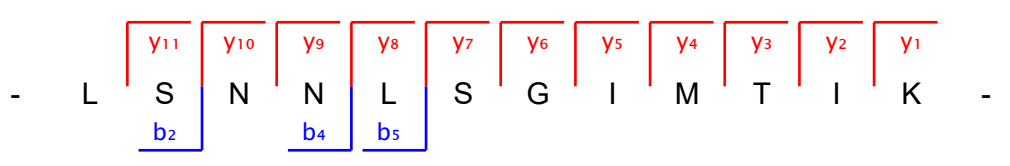
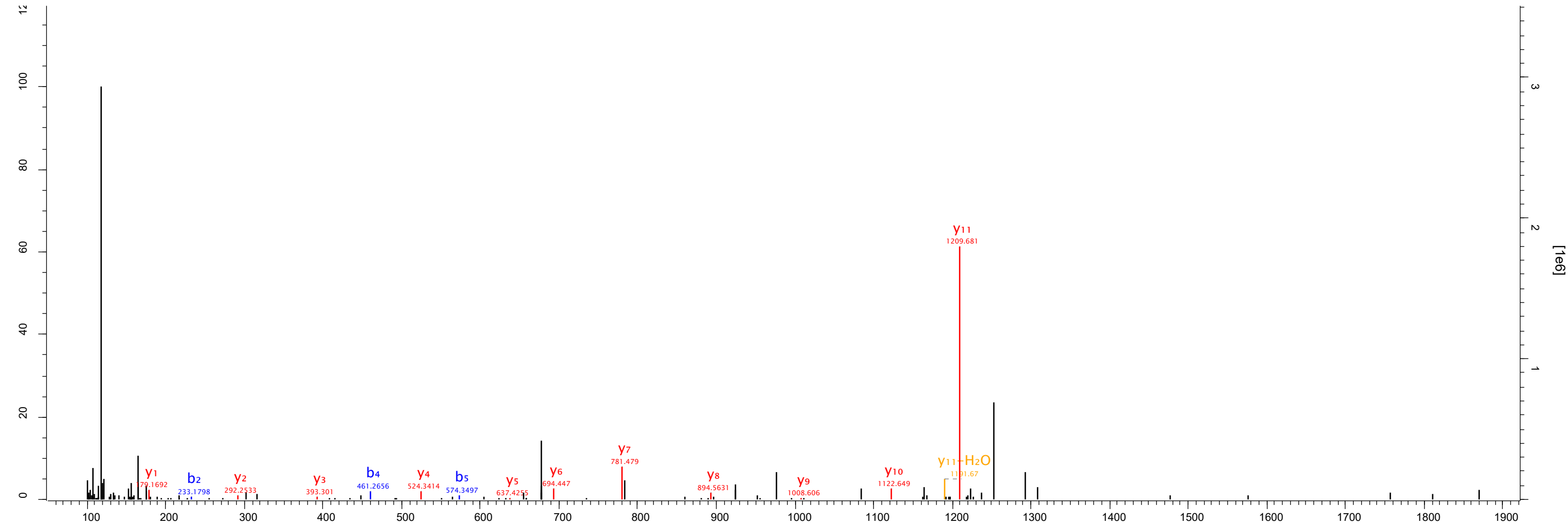
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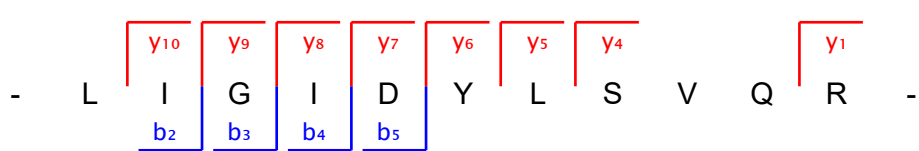
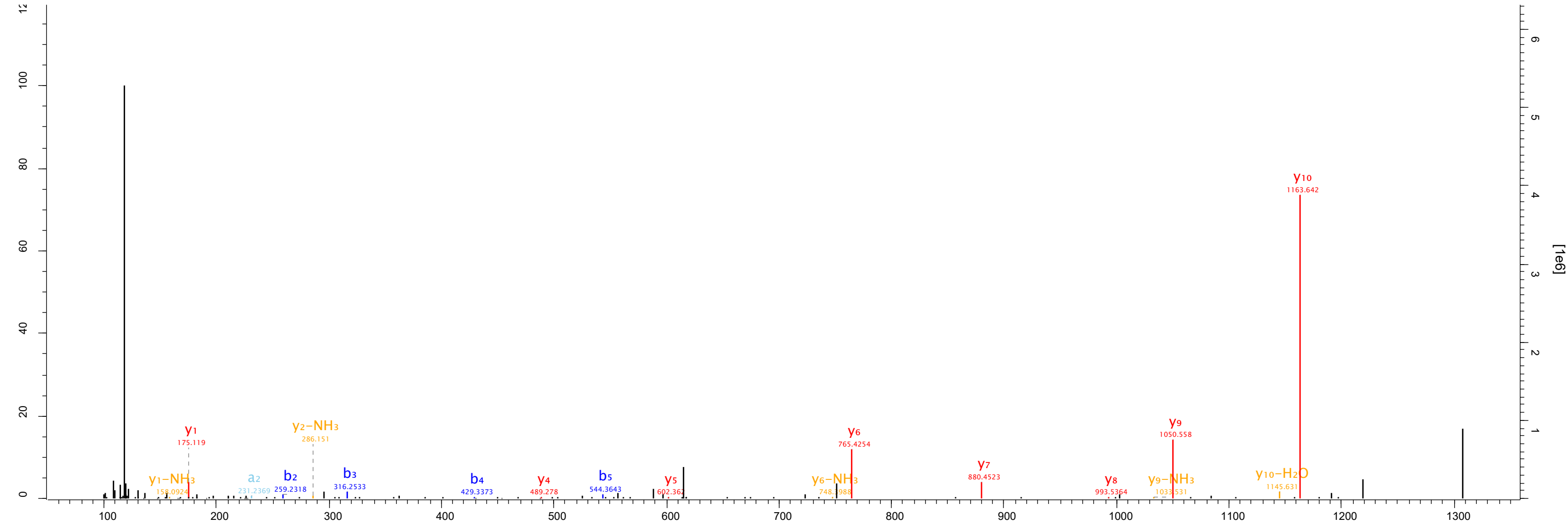
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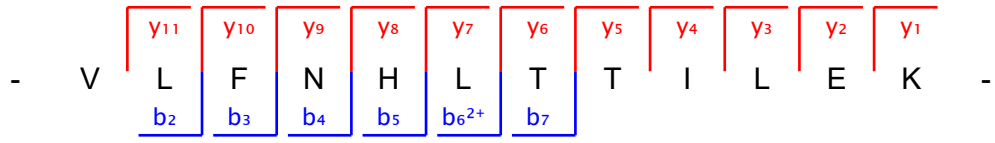
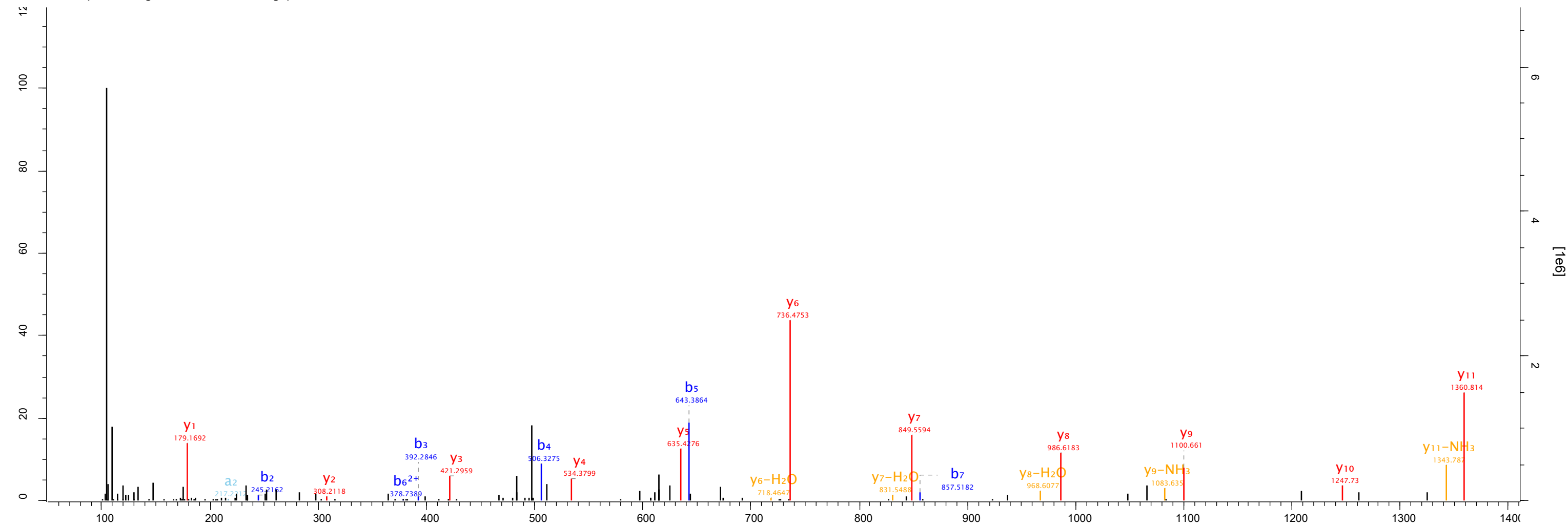


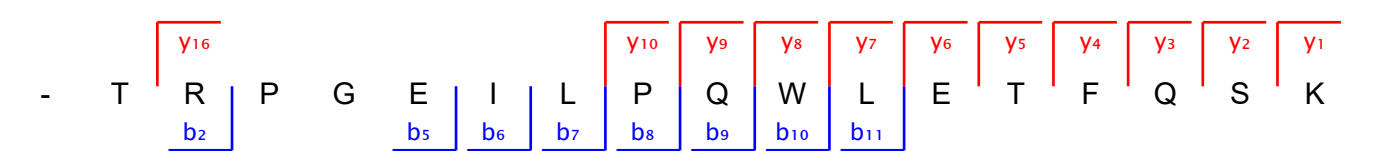
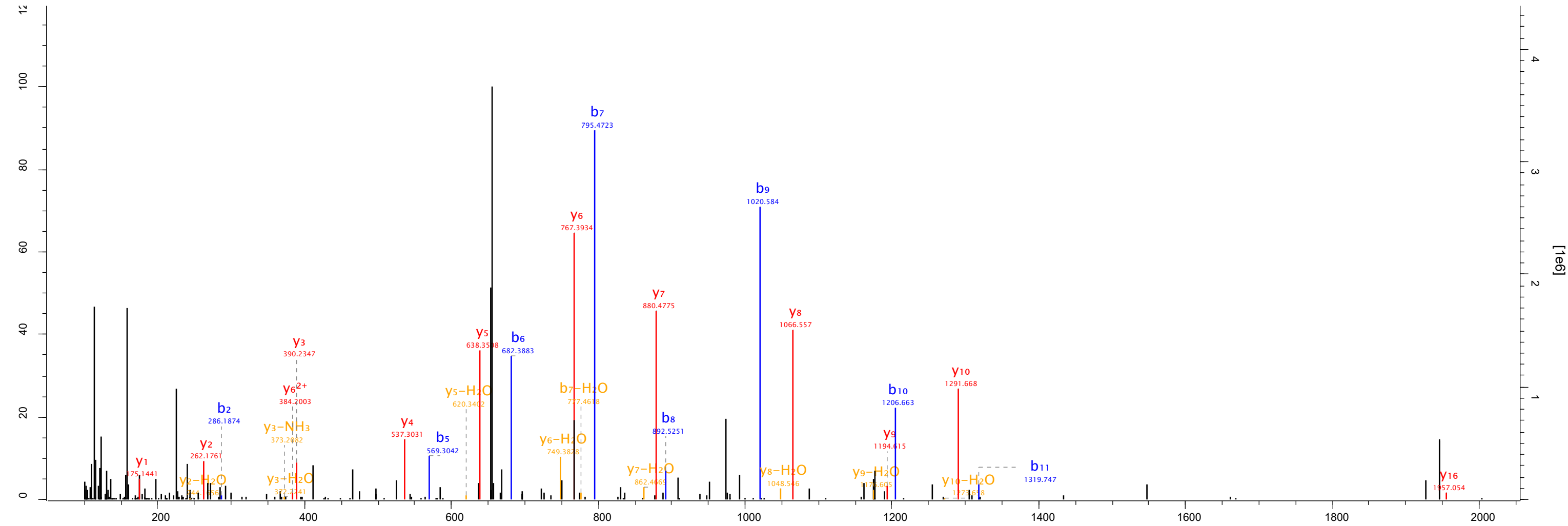


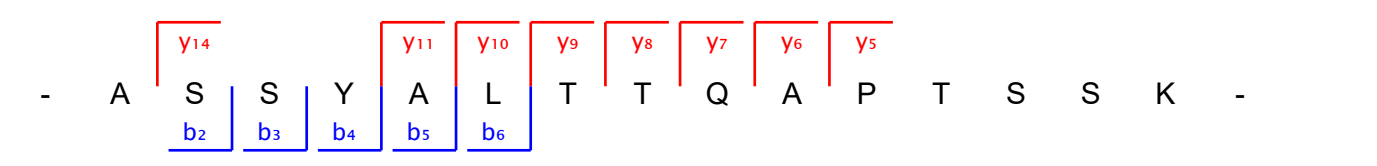
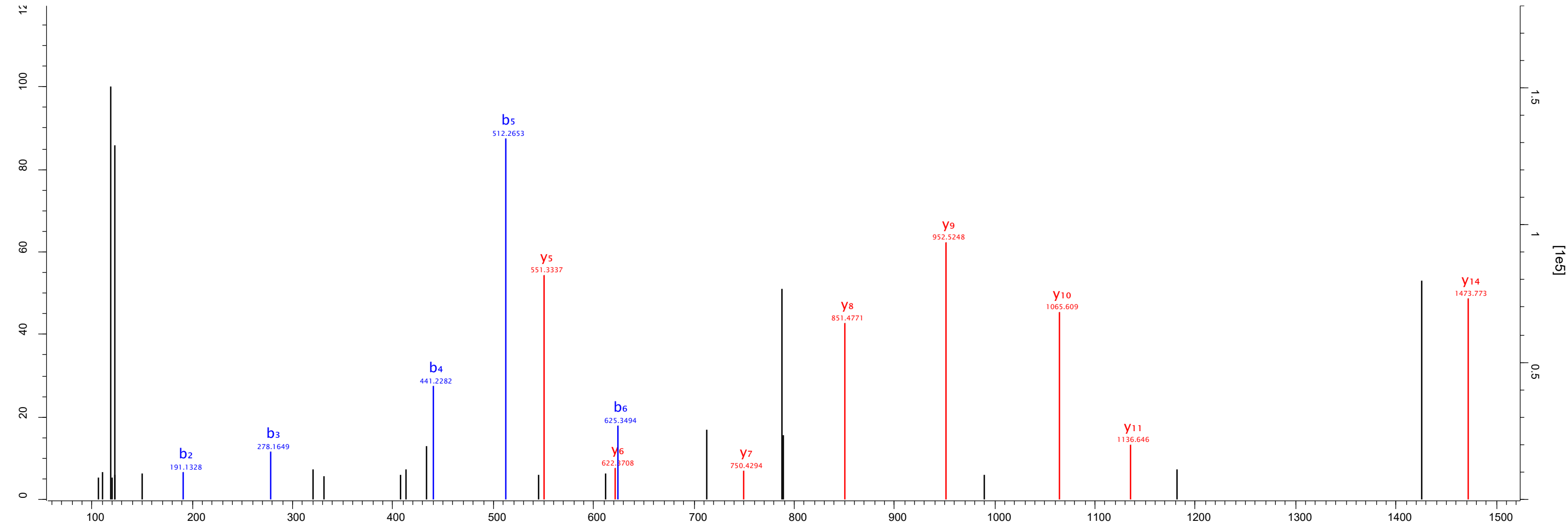


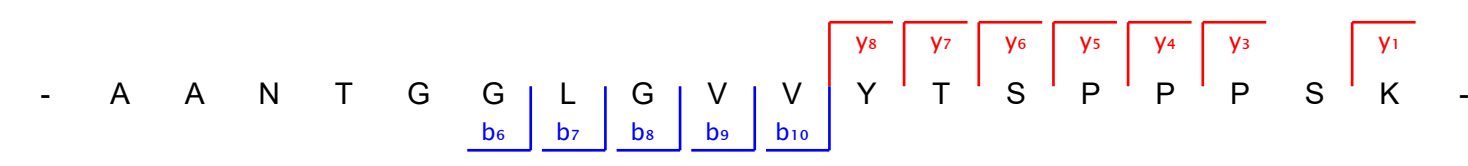
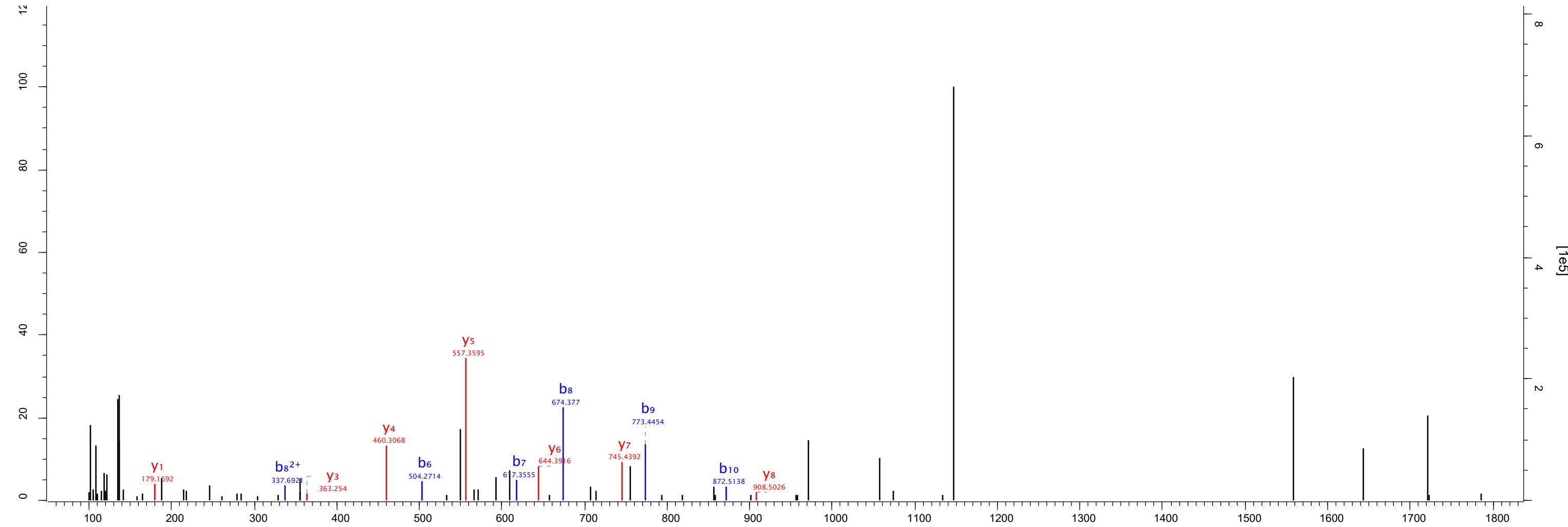


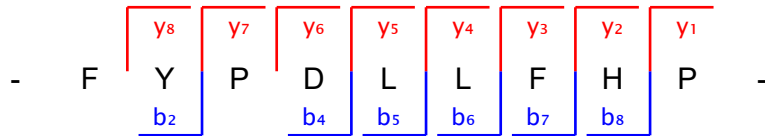
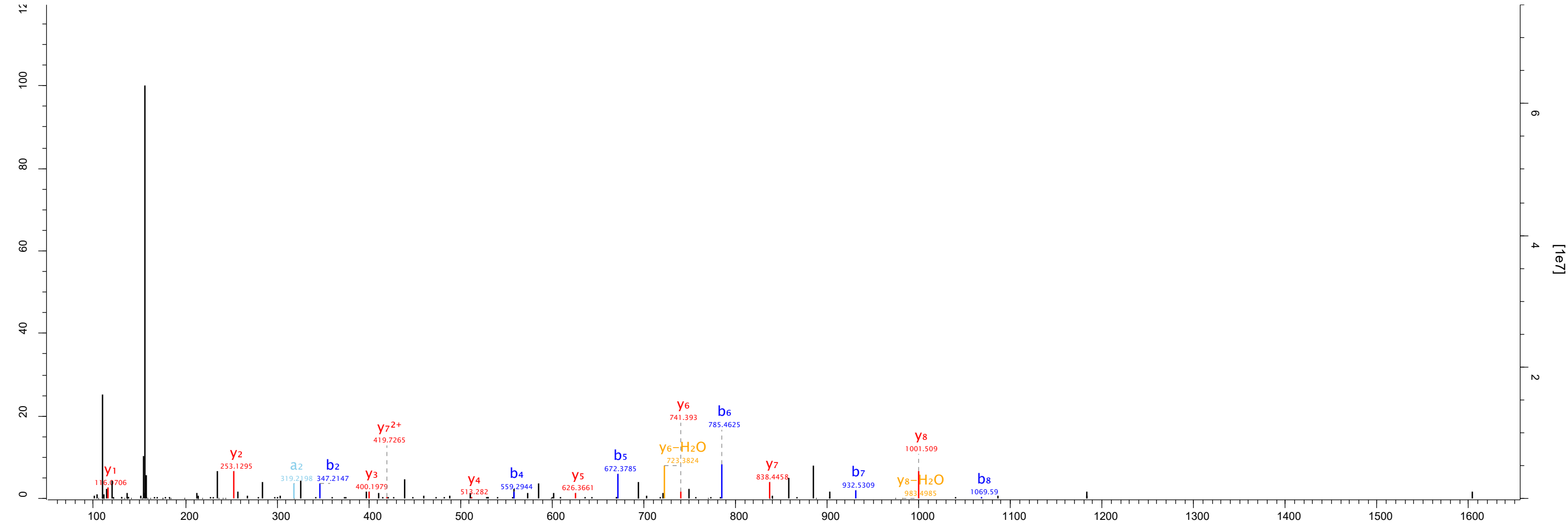


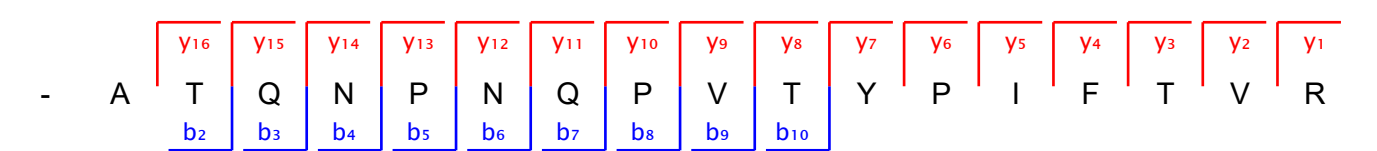
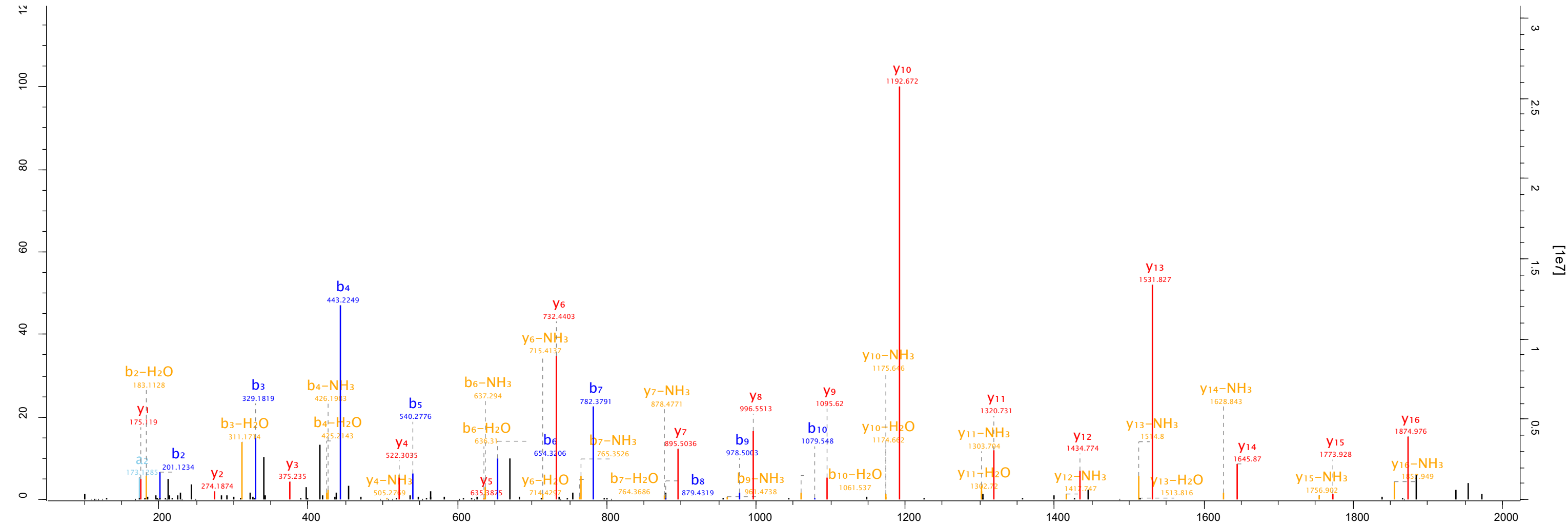


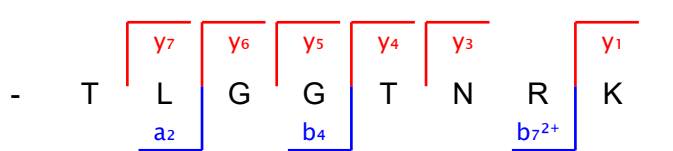
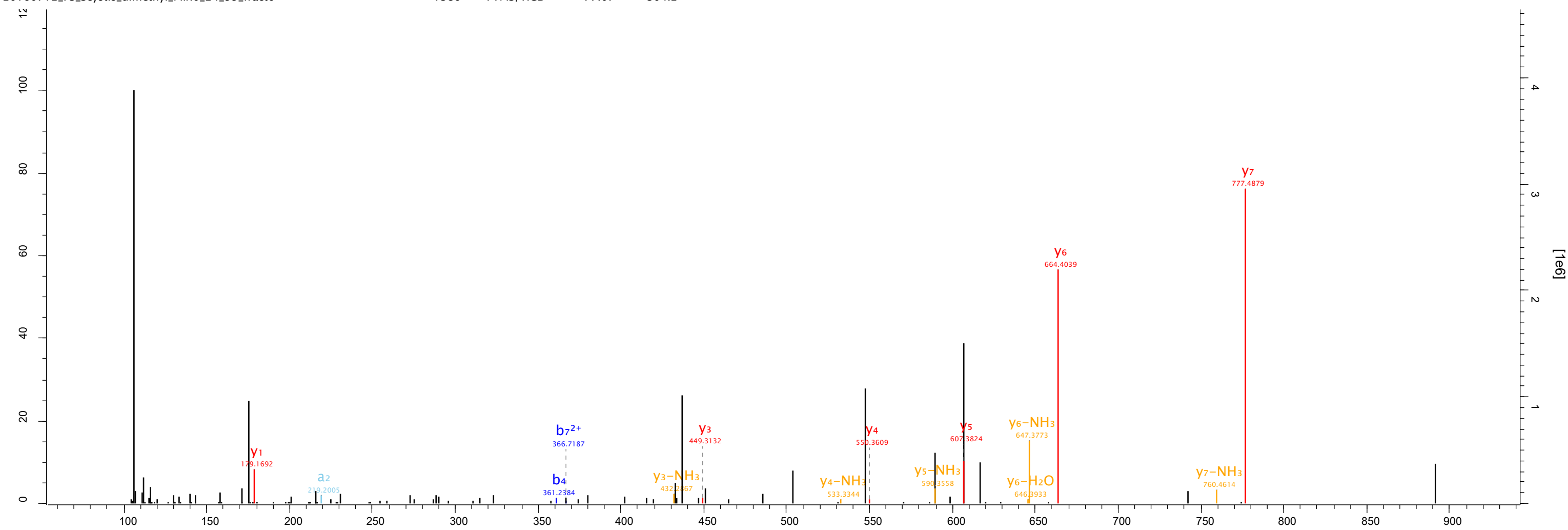


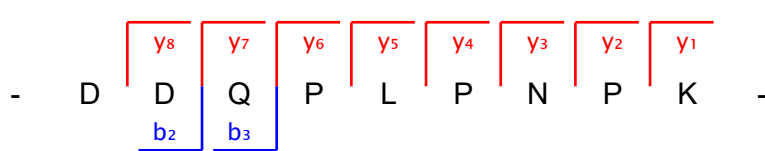
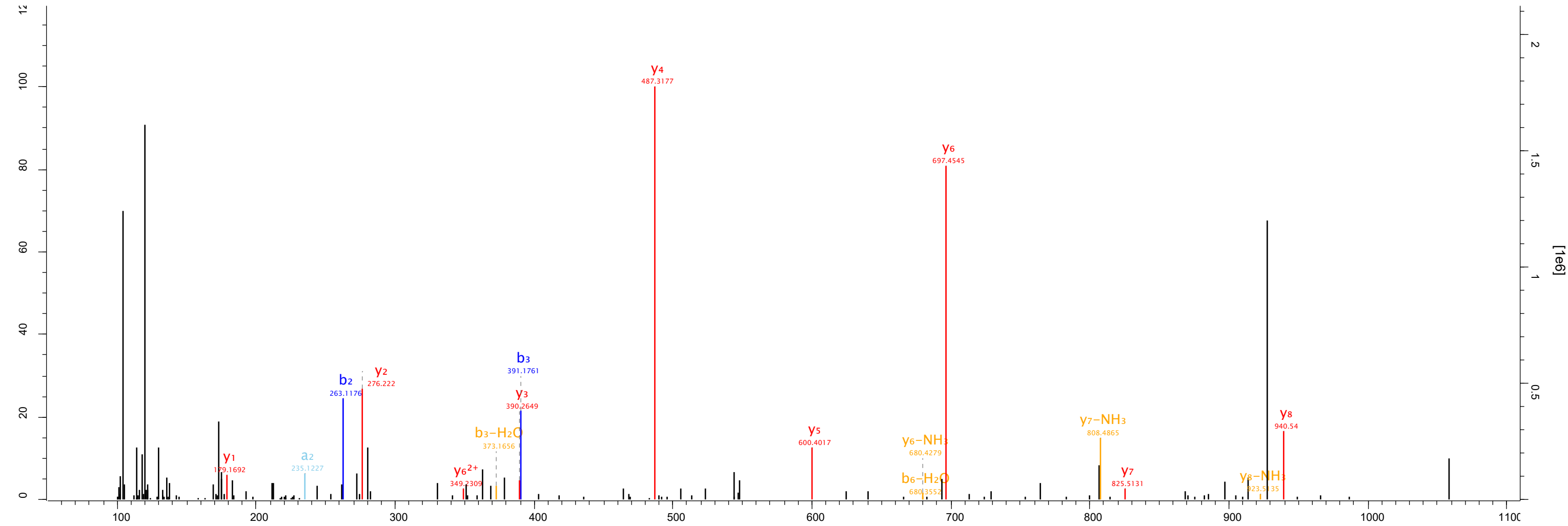


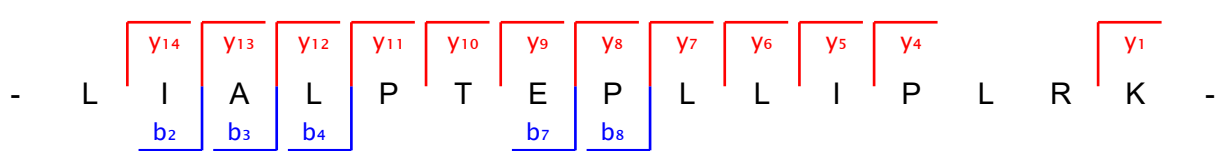
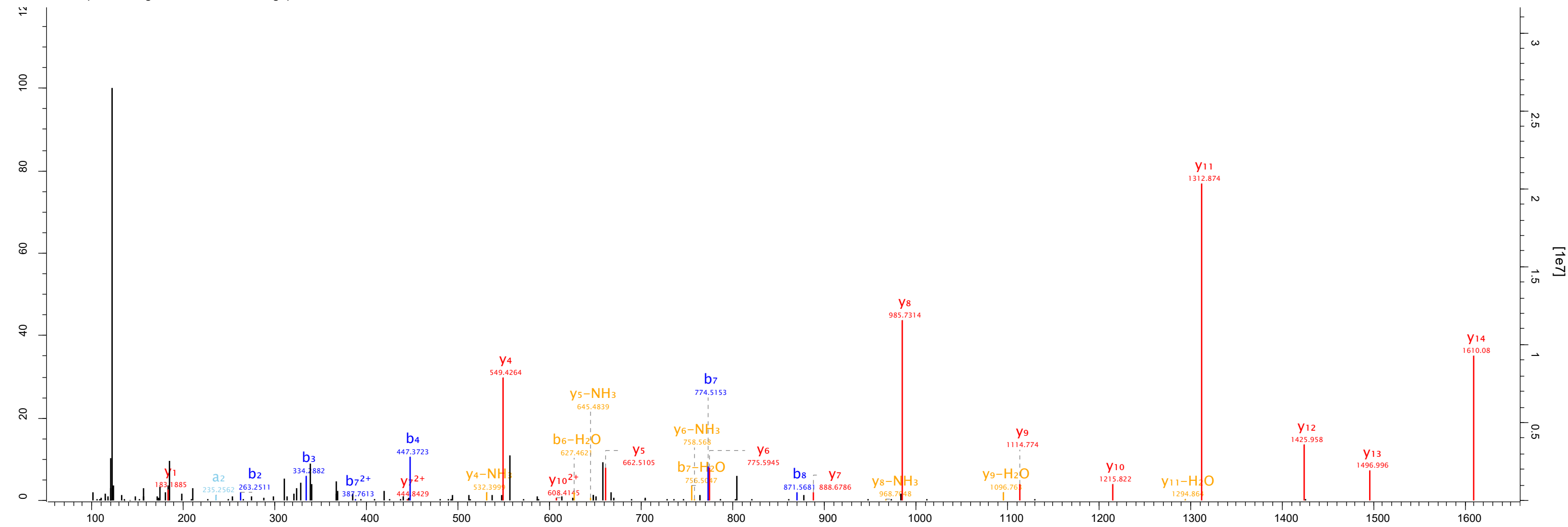


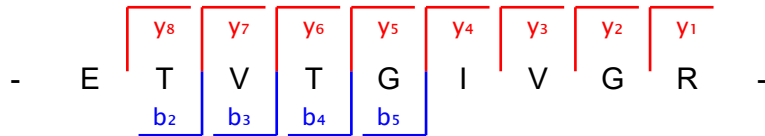
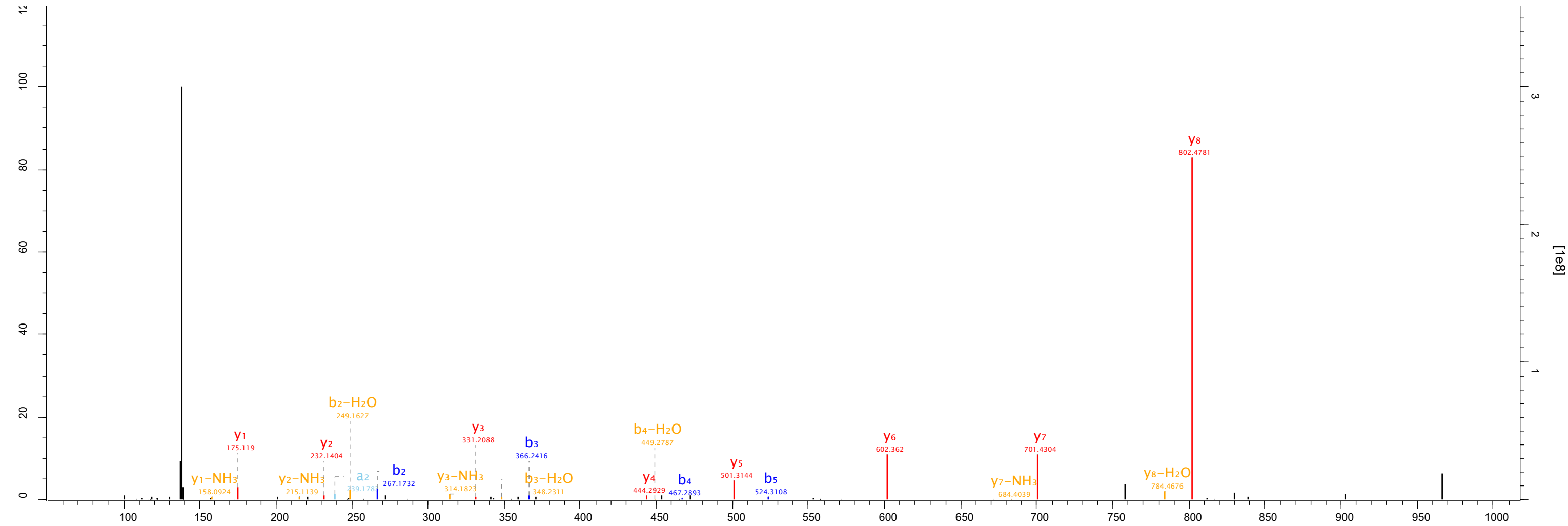


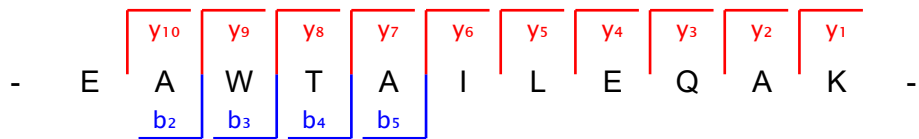
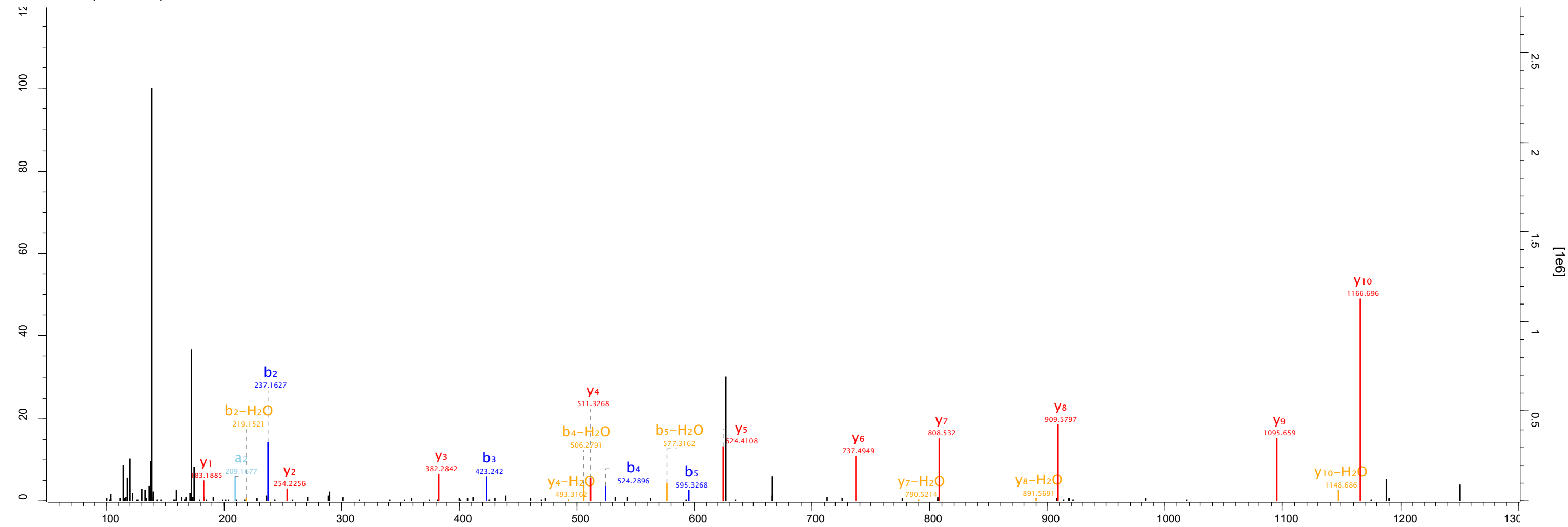


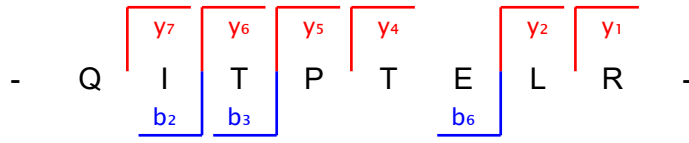
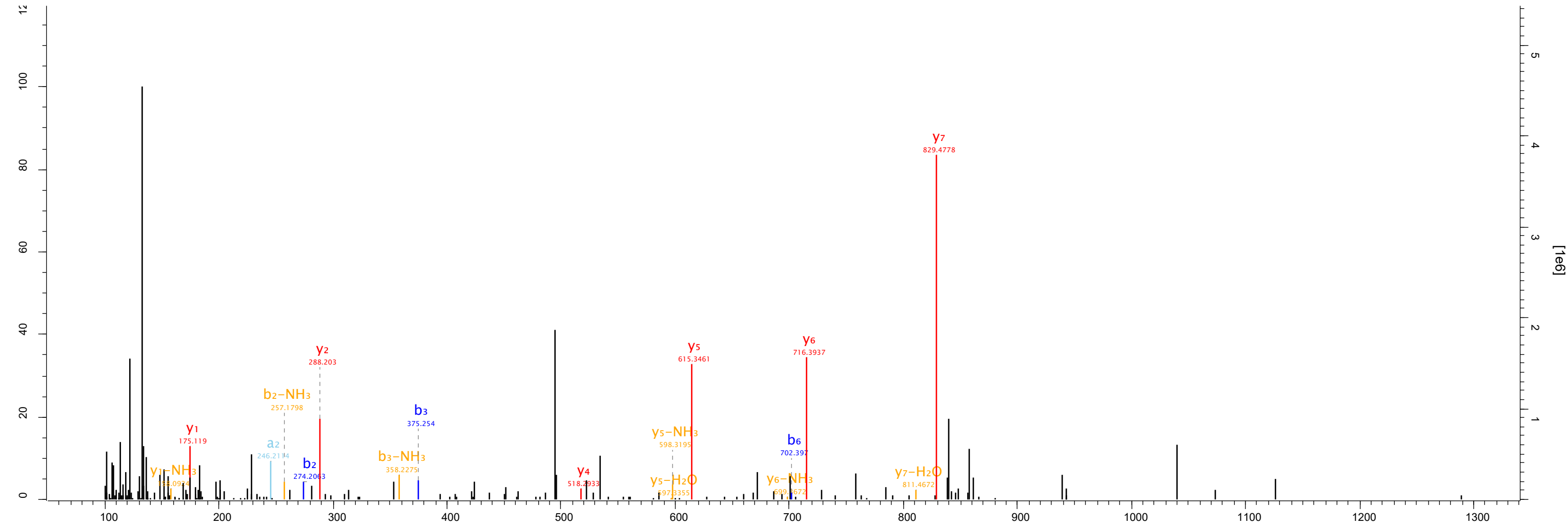


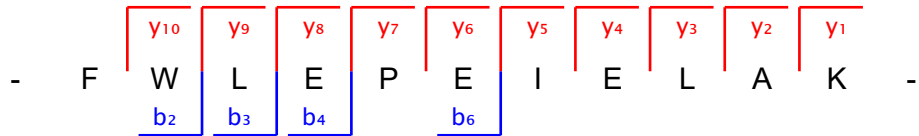
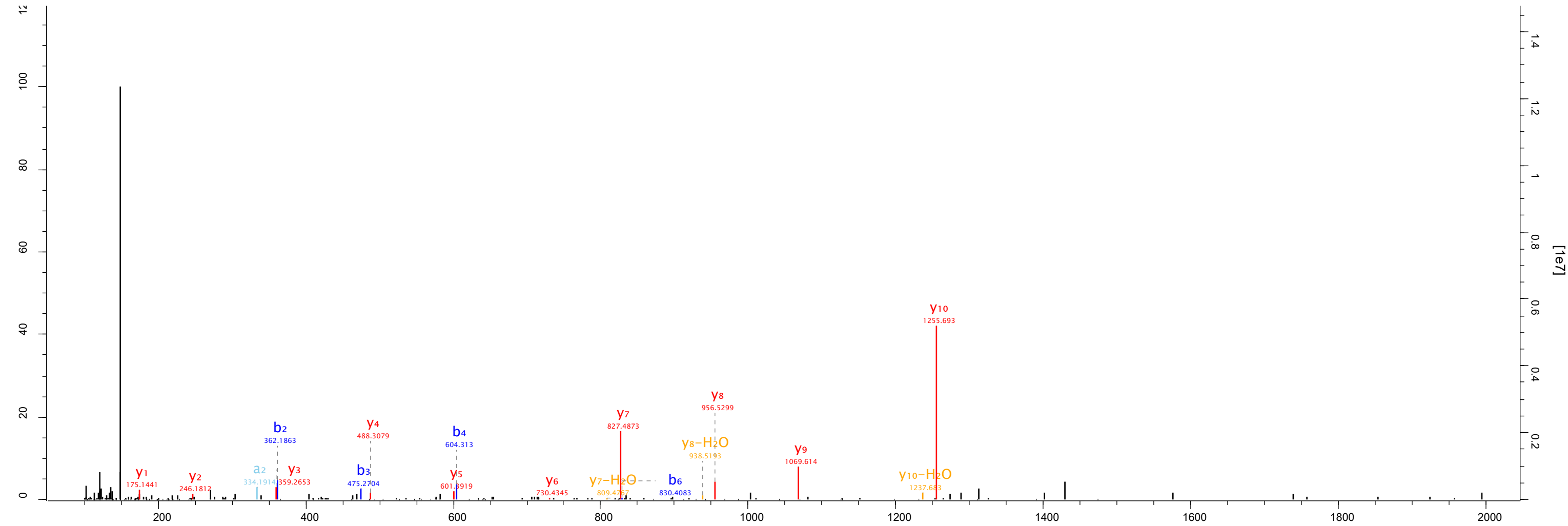


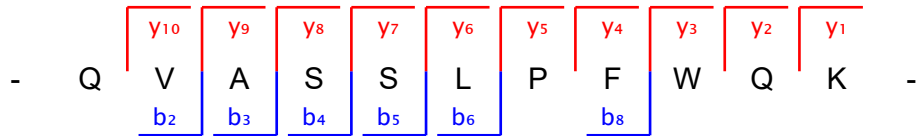
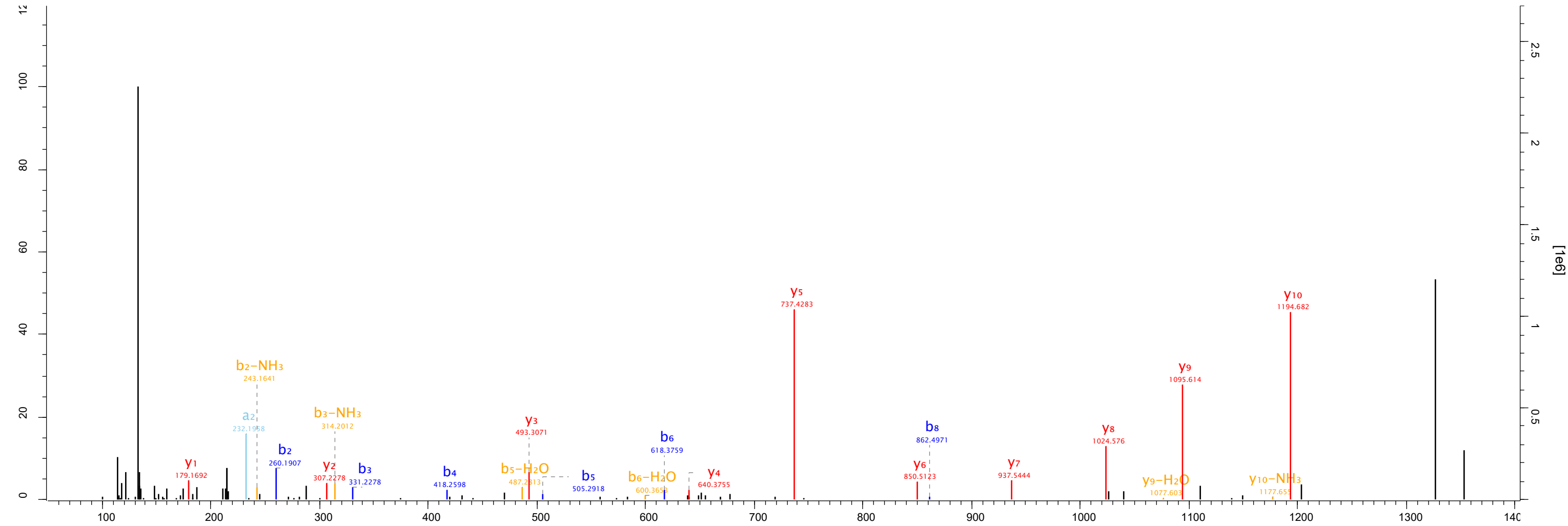


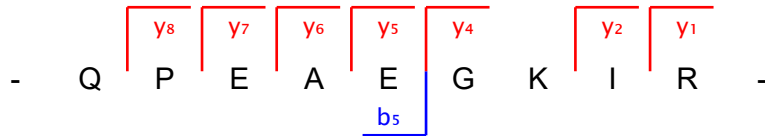
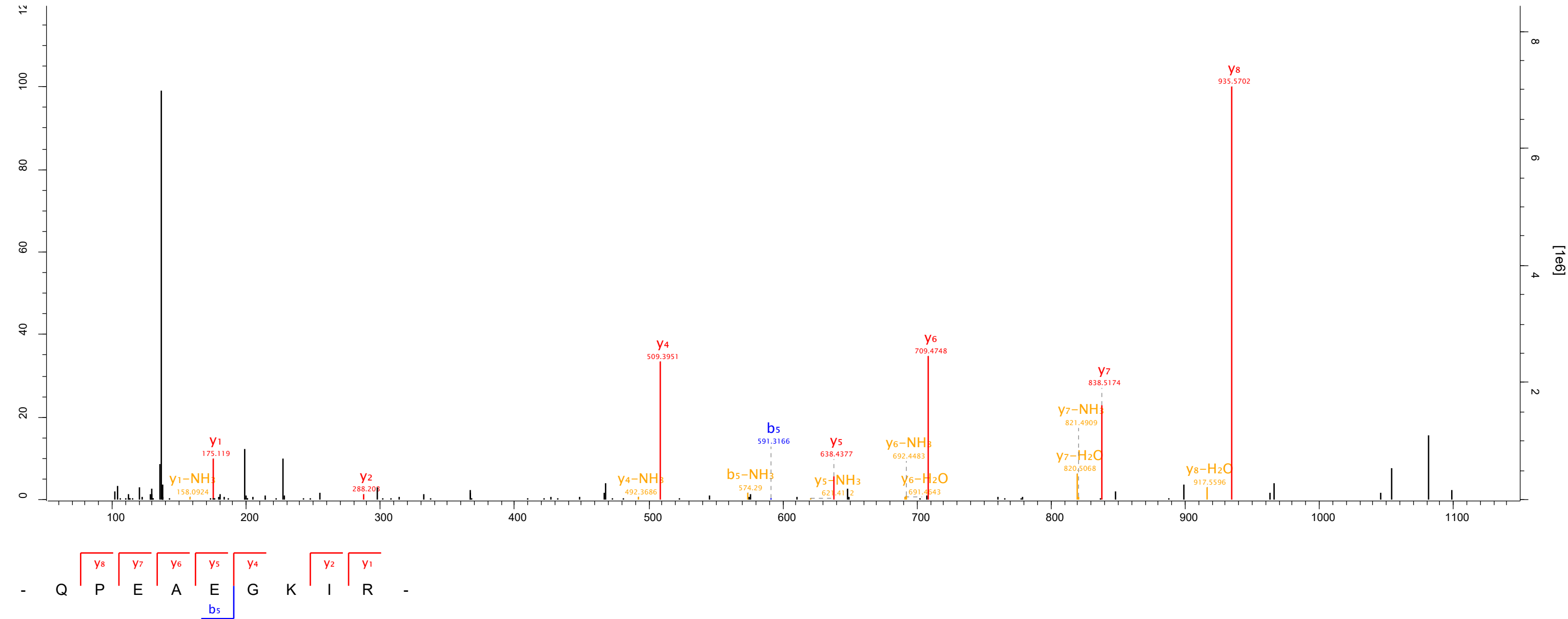


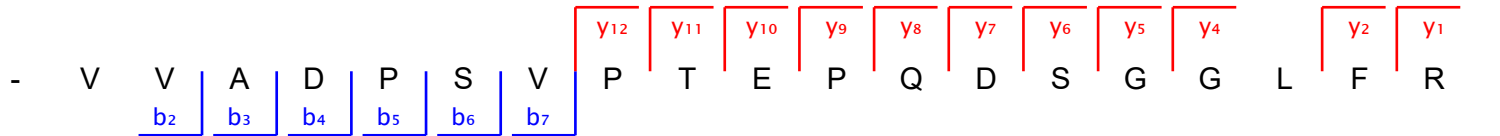
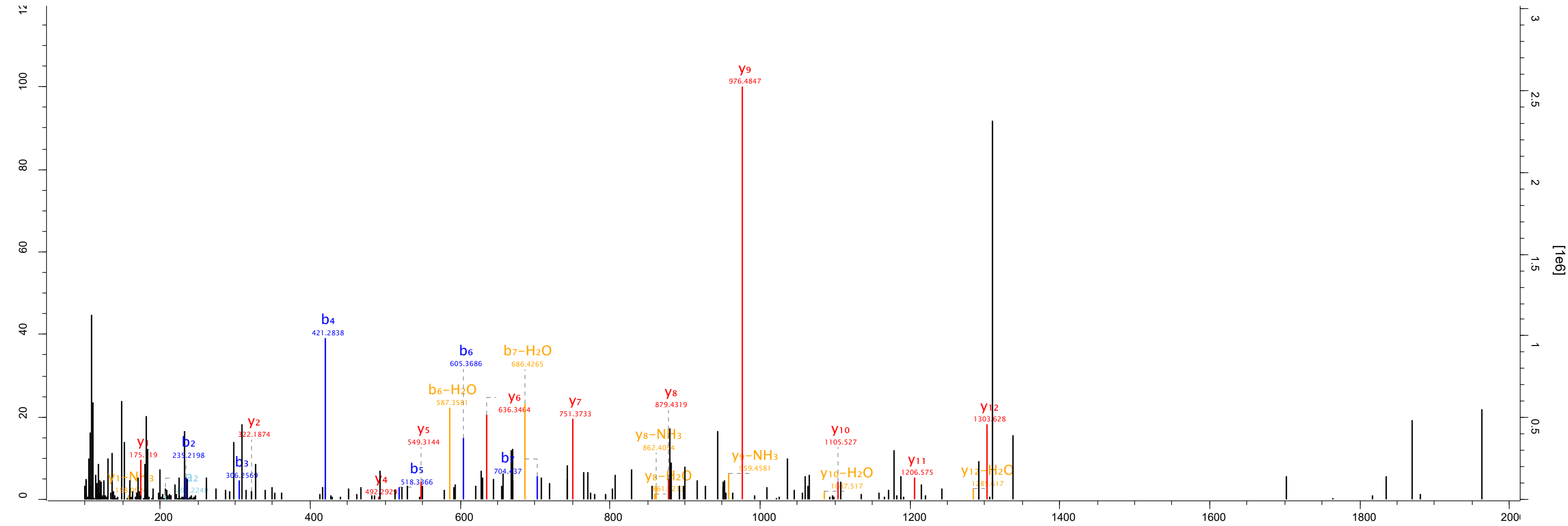


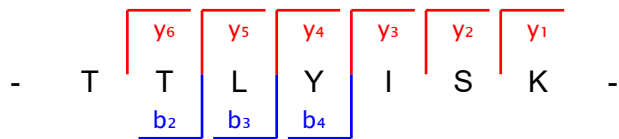
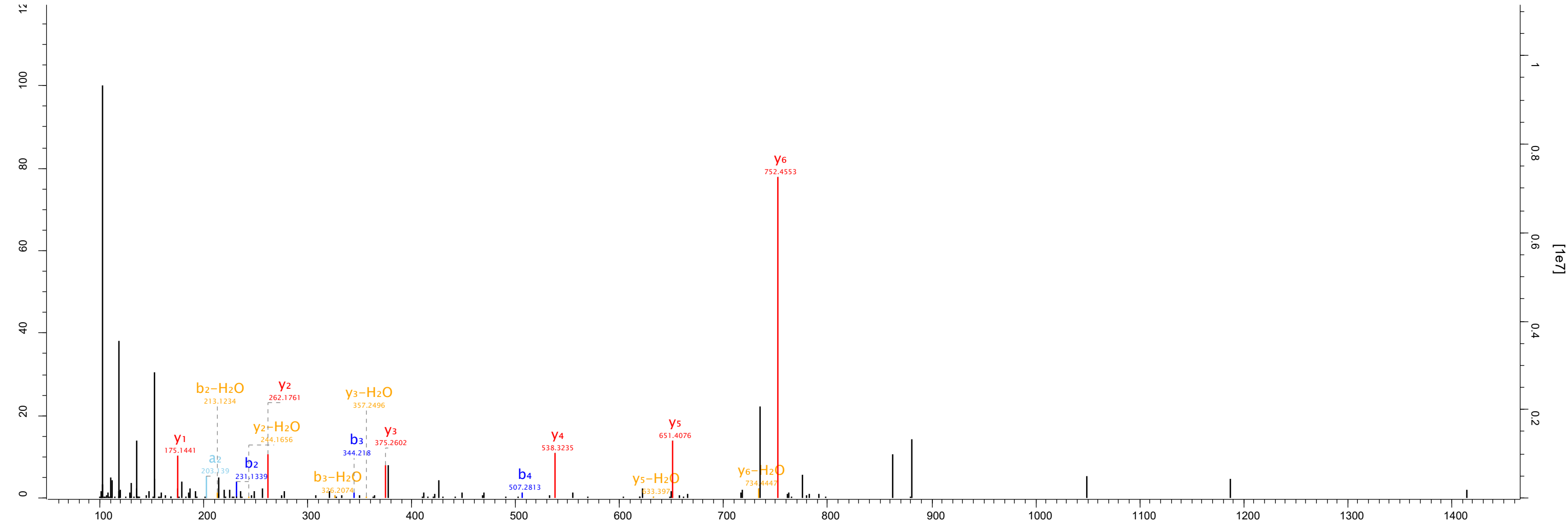


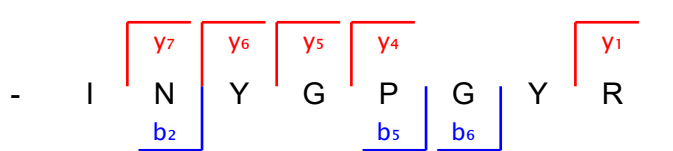
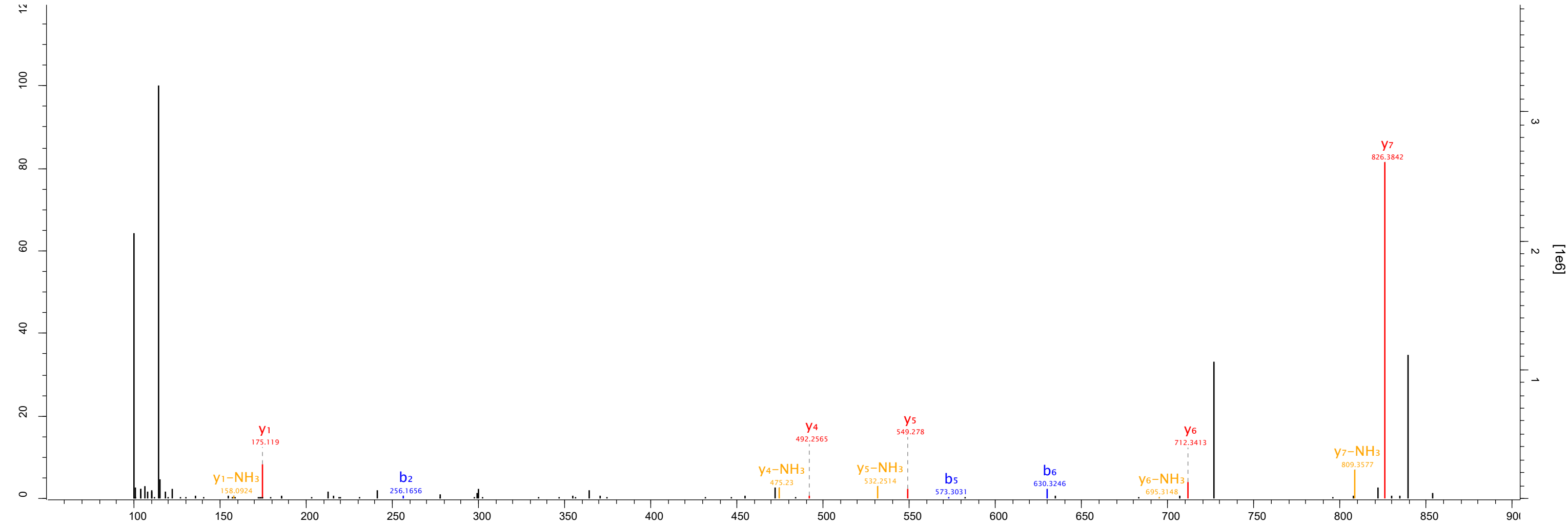


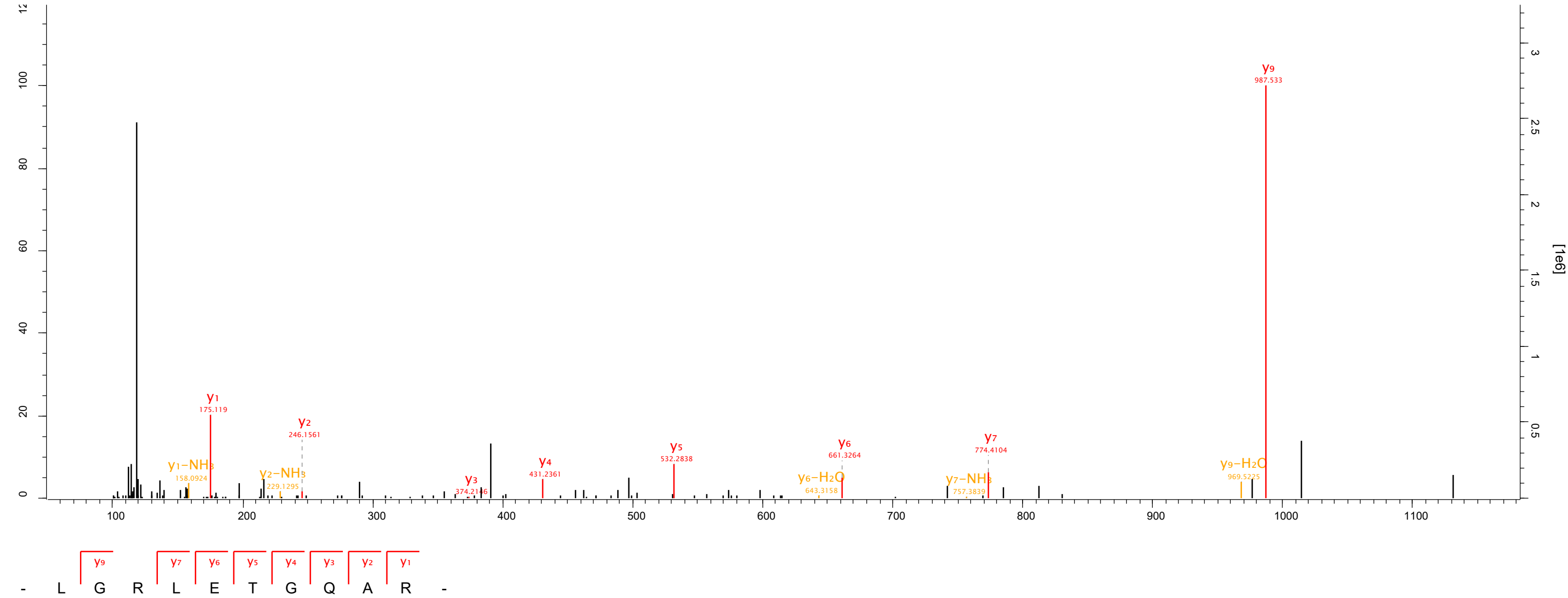


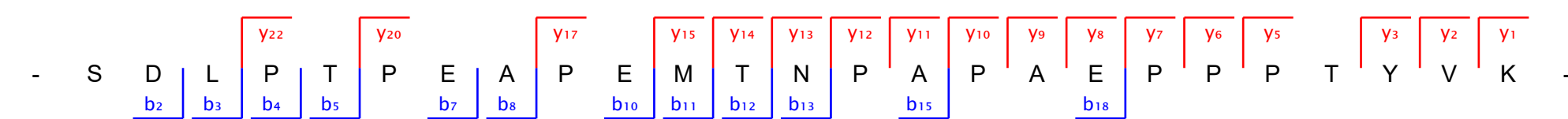
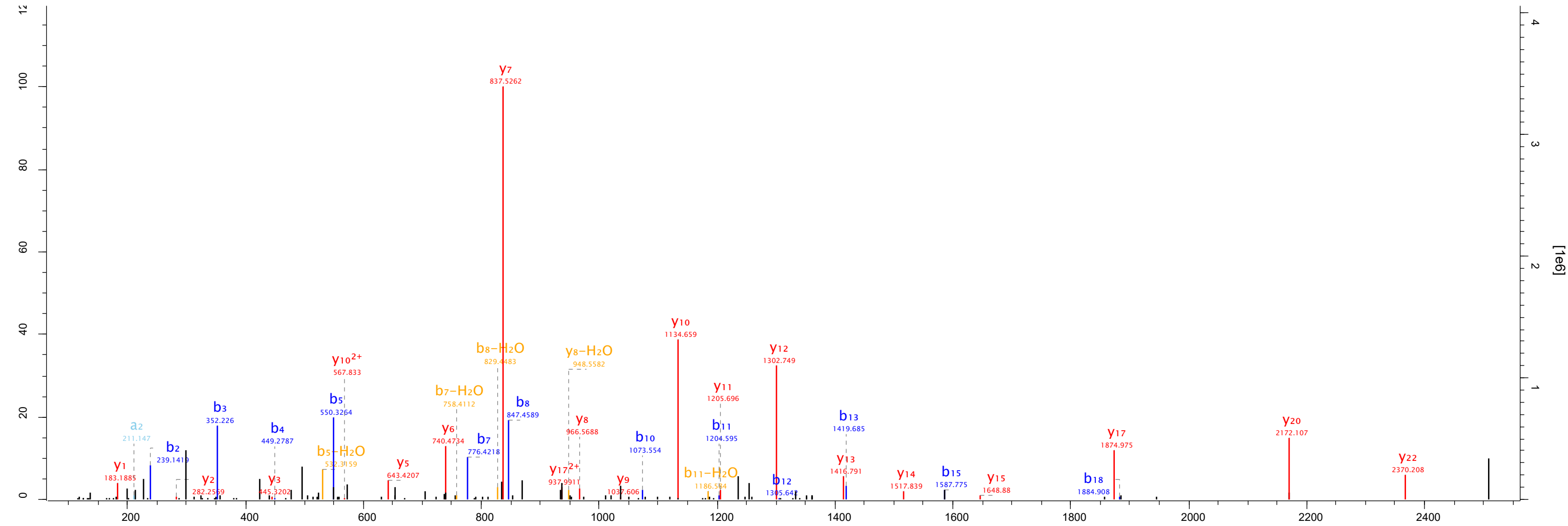


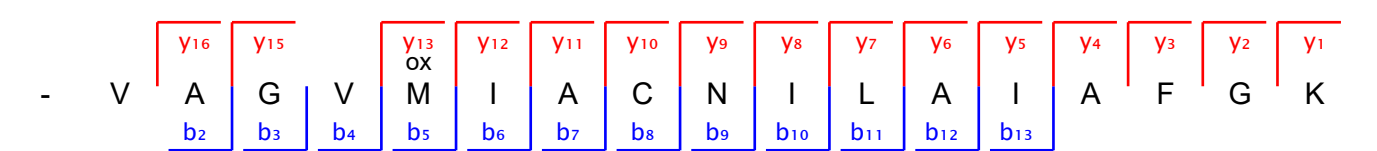
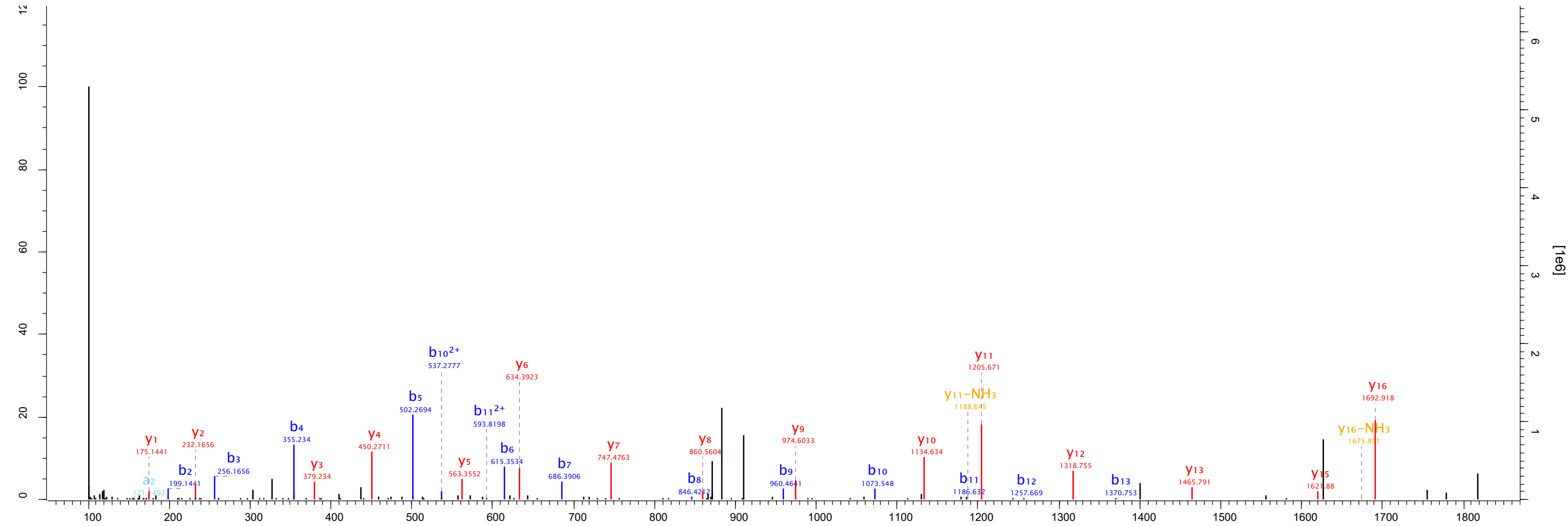


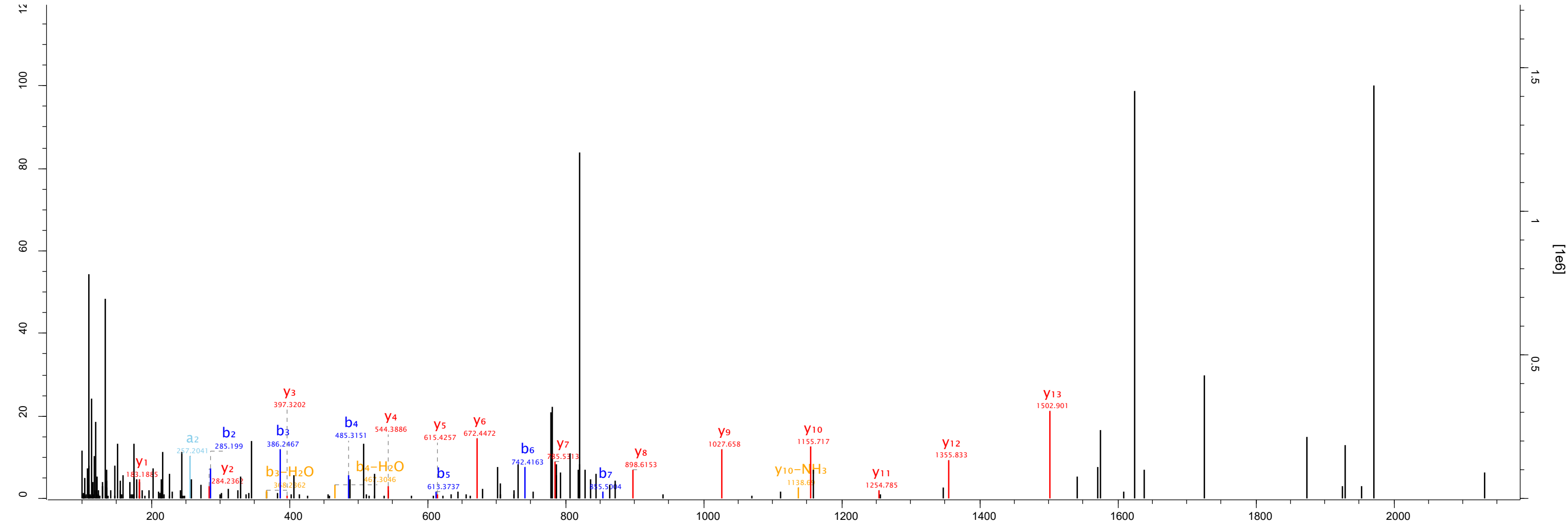




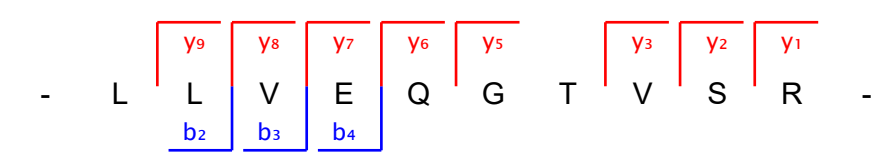
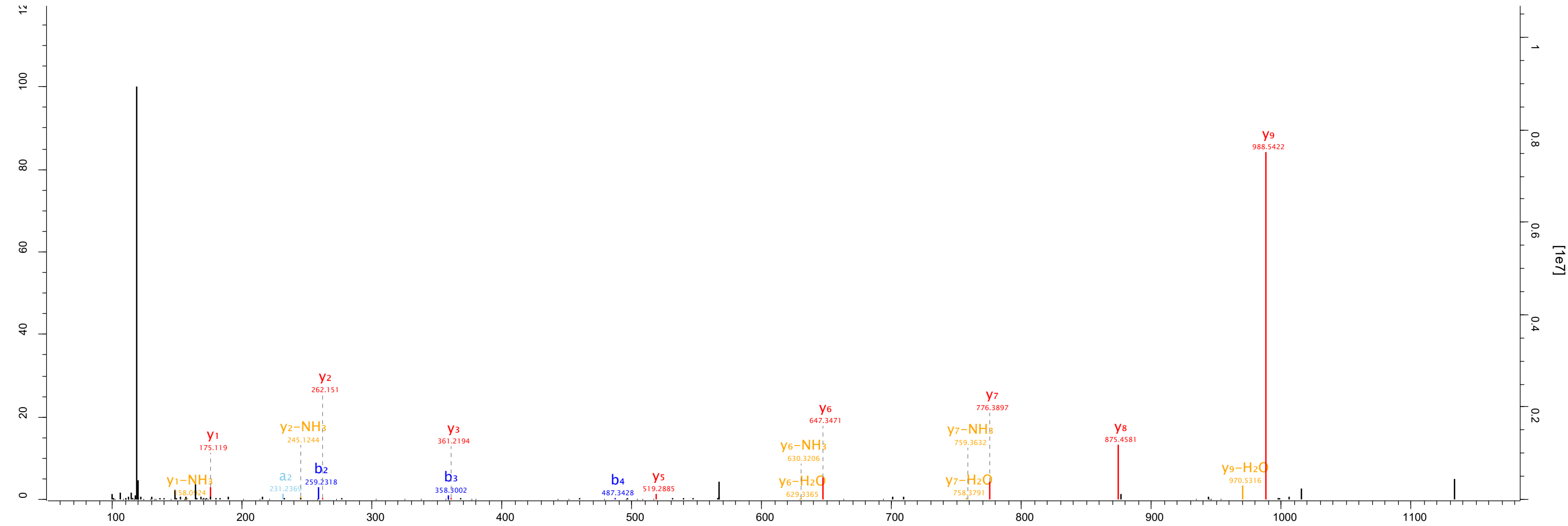


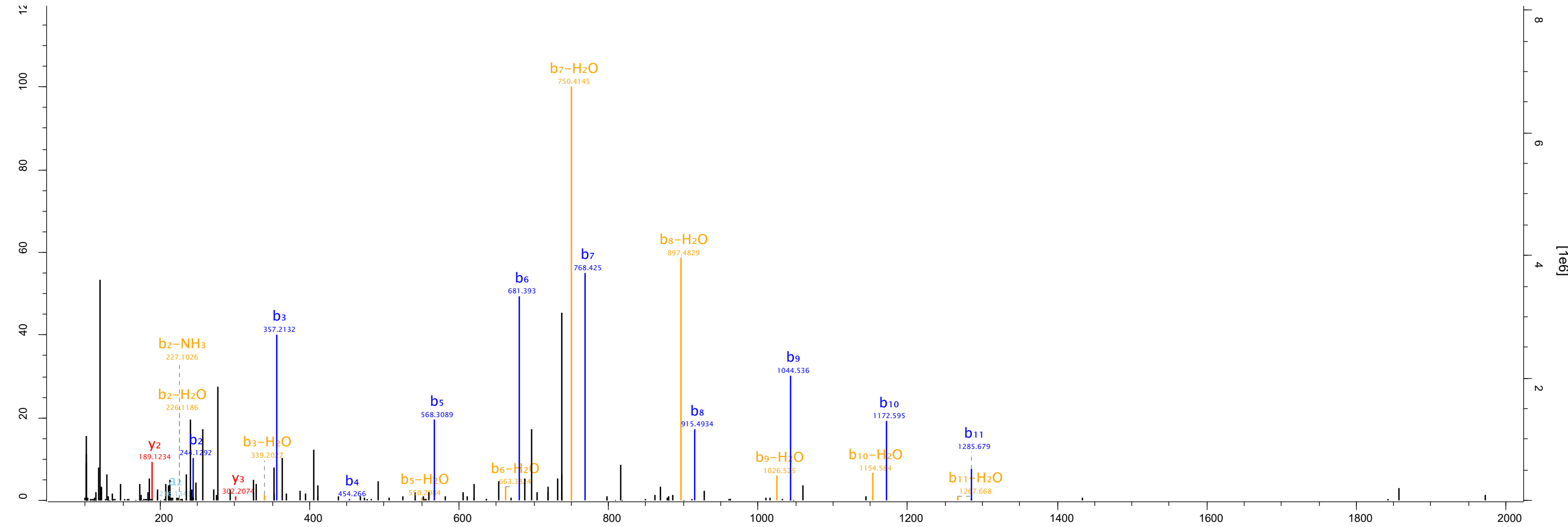






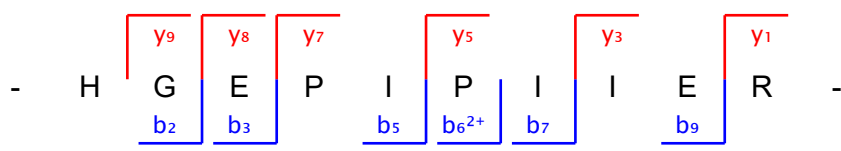
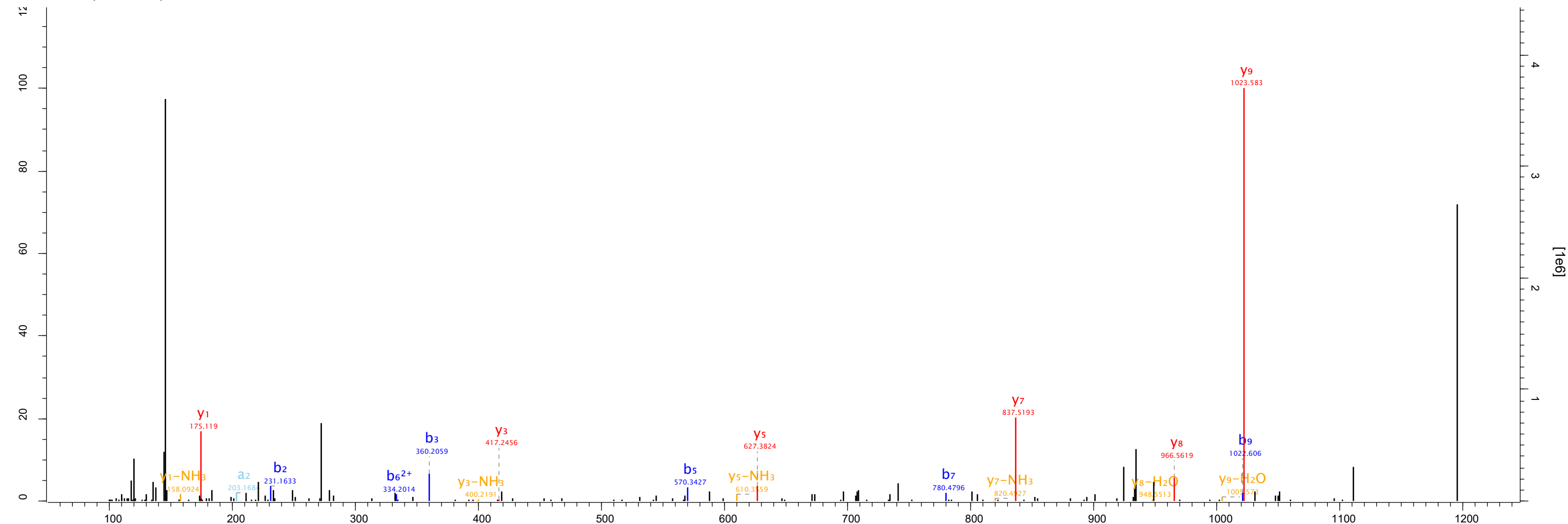
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b2 b3 b4 b5 b6 b7

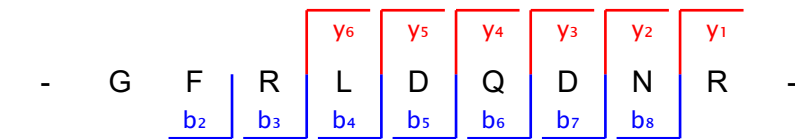
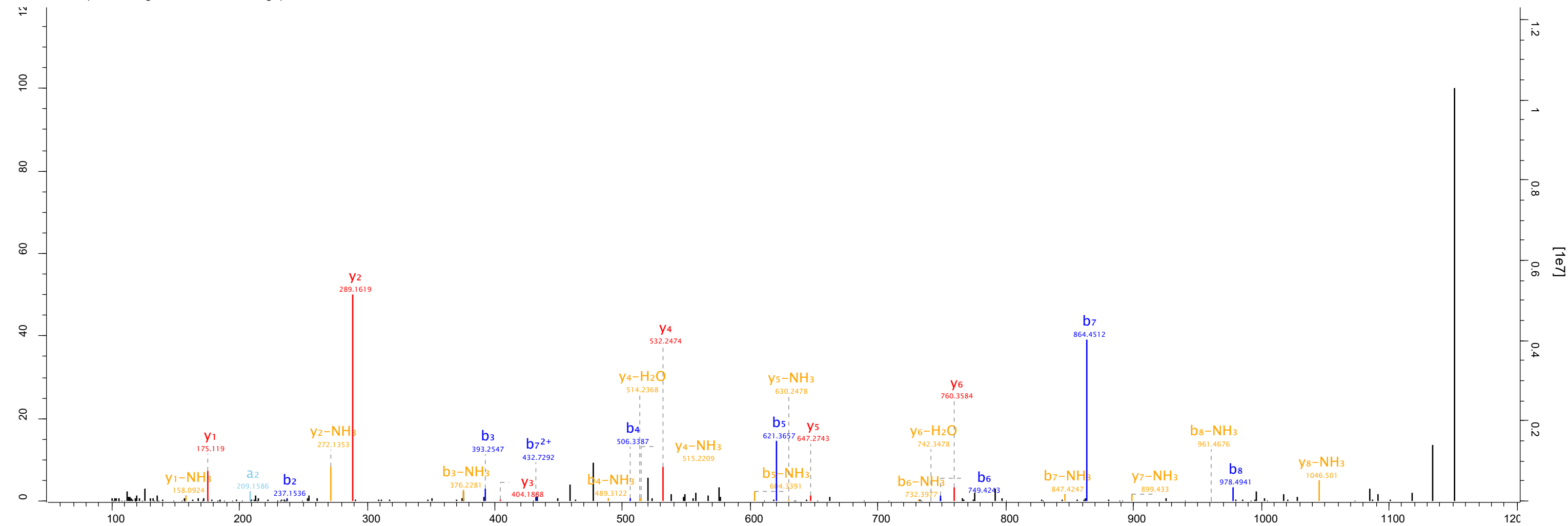


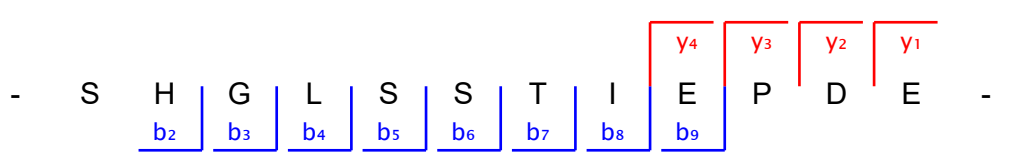
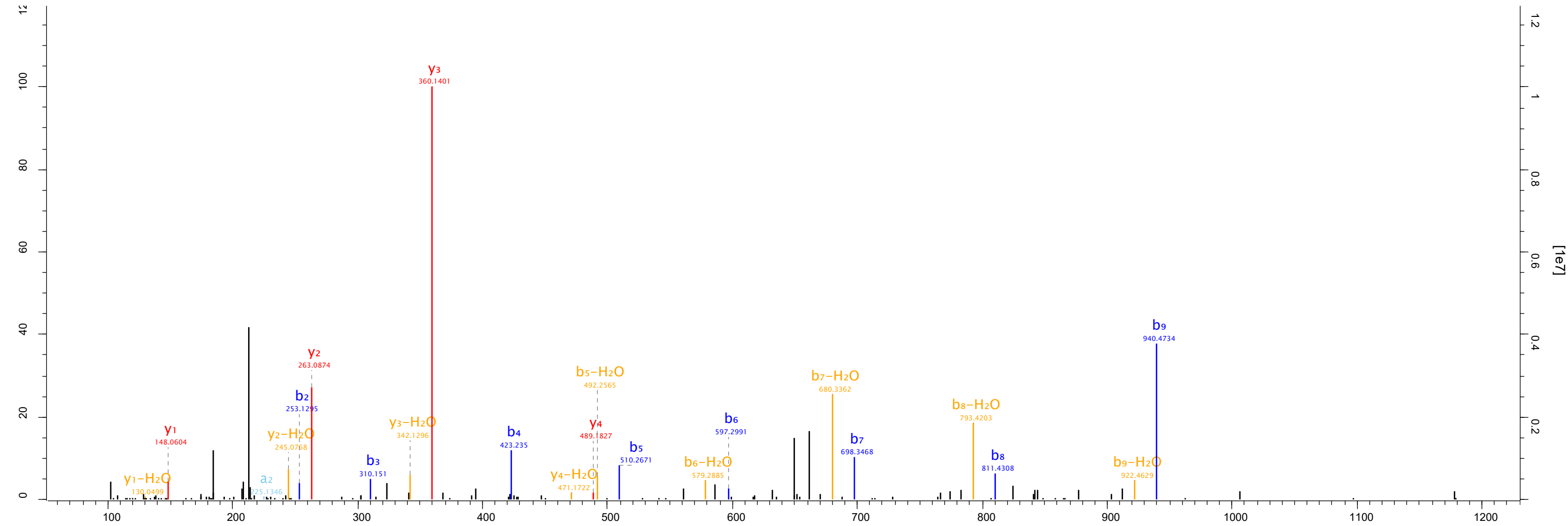


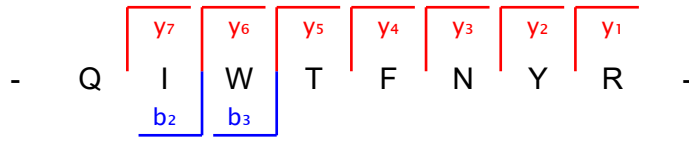
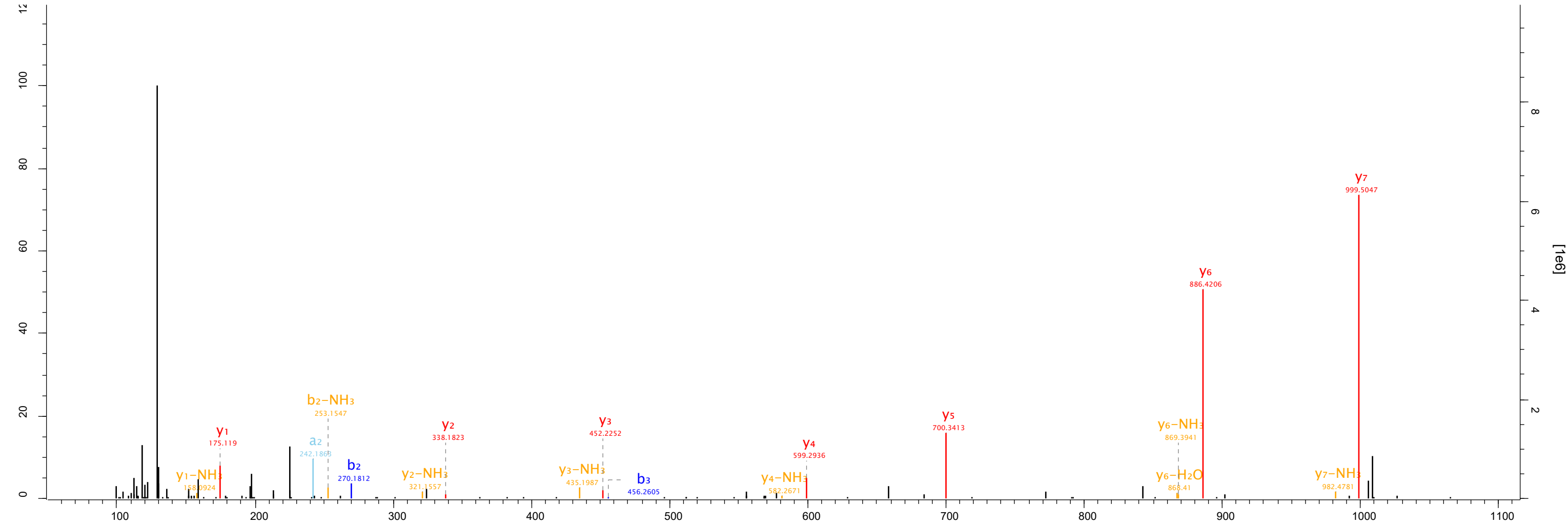
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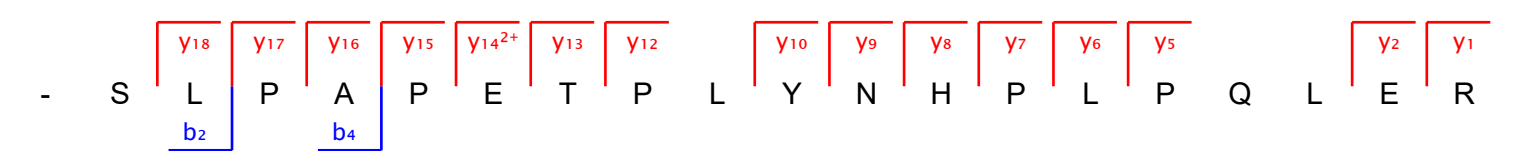
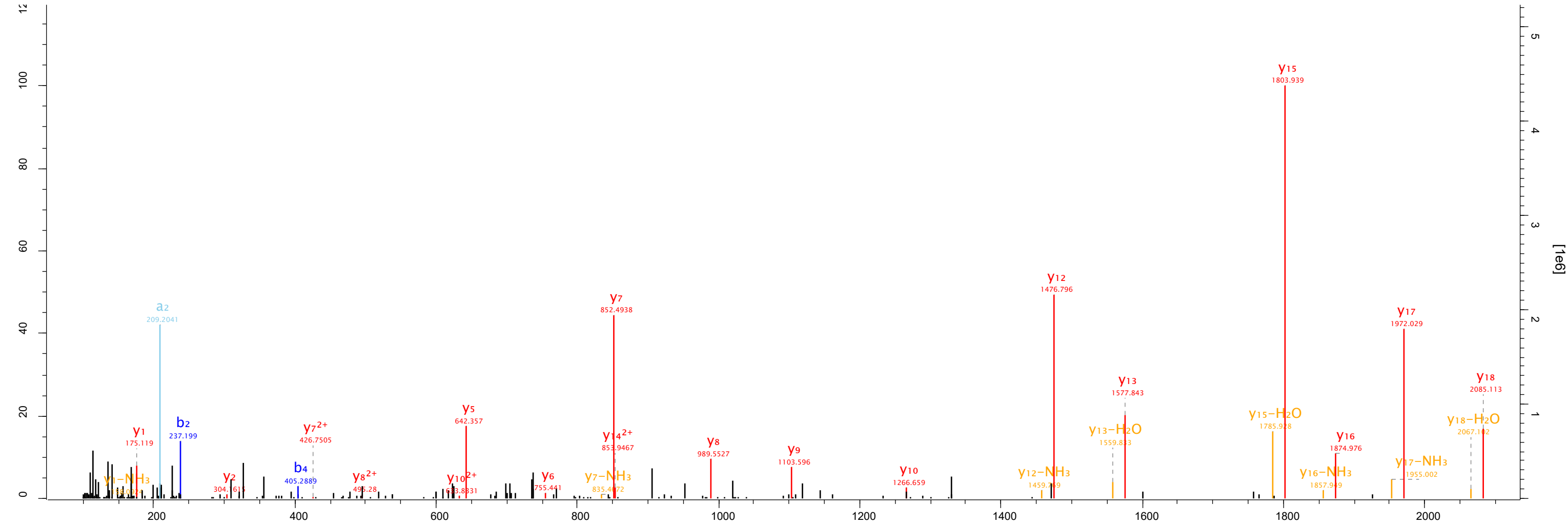
b₂
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b₄
b₅
b₆
b₇
b₈
b₉
b₁₀
b₁₁
y₃
y₂

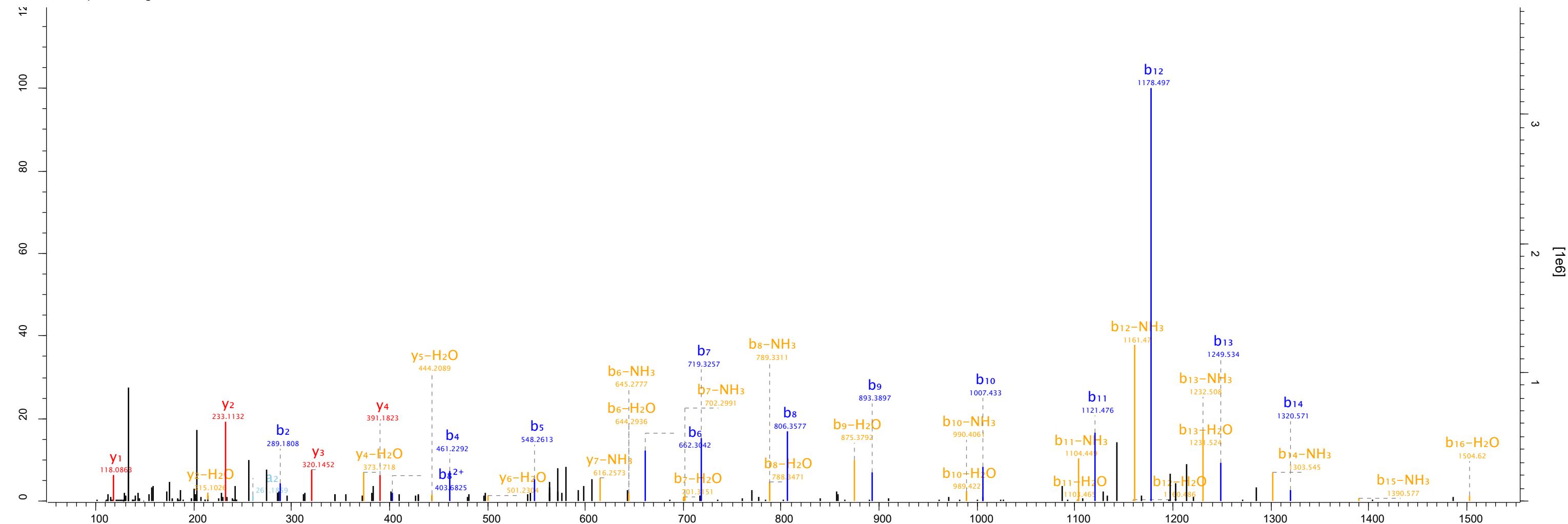












- Q Q G D S N G S S N N G A A S D V -

b₂
b₄
b₅
b₆
b₇
b₈
b₉
b₁₀
b₁₁
b₁₂
b₁₃
b₁₄
y₄
y₃
y₂
y₁

