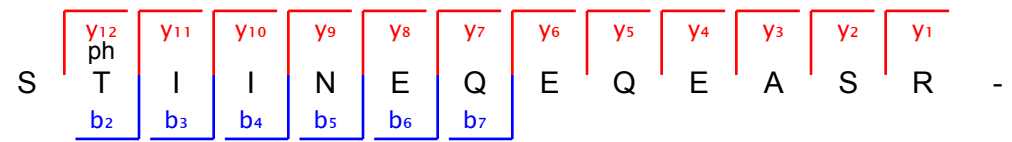
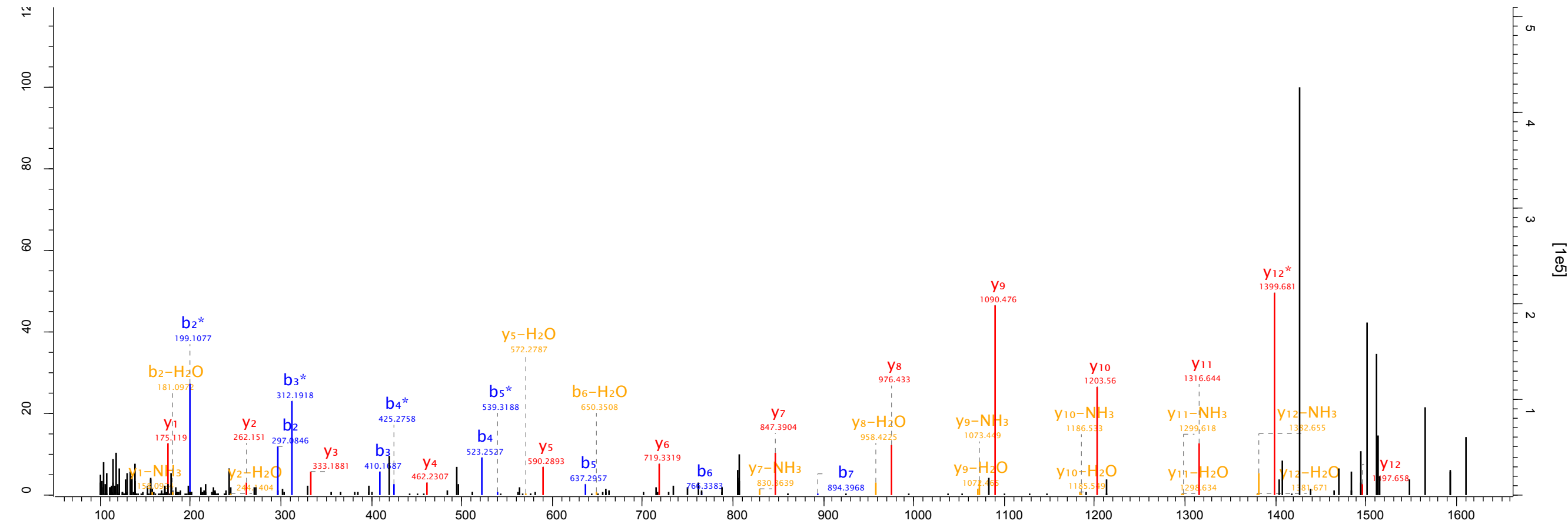


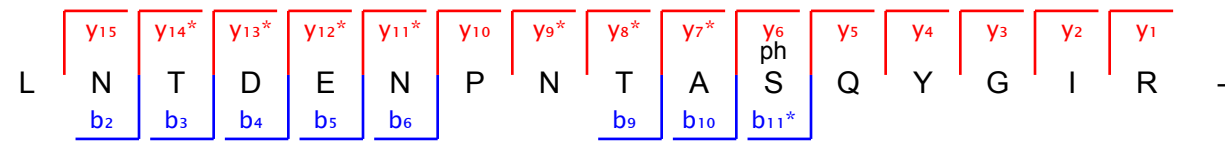
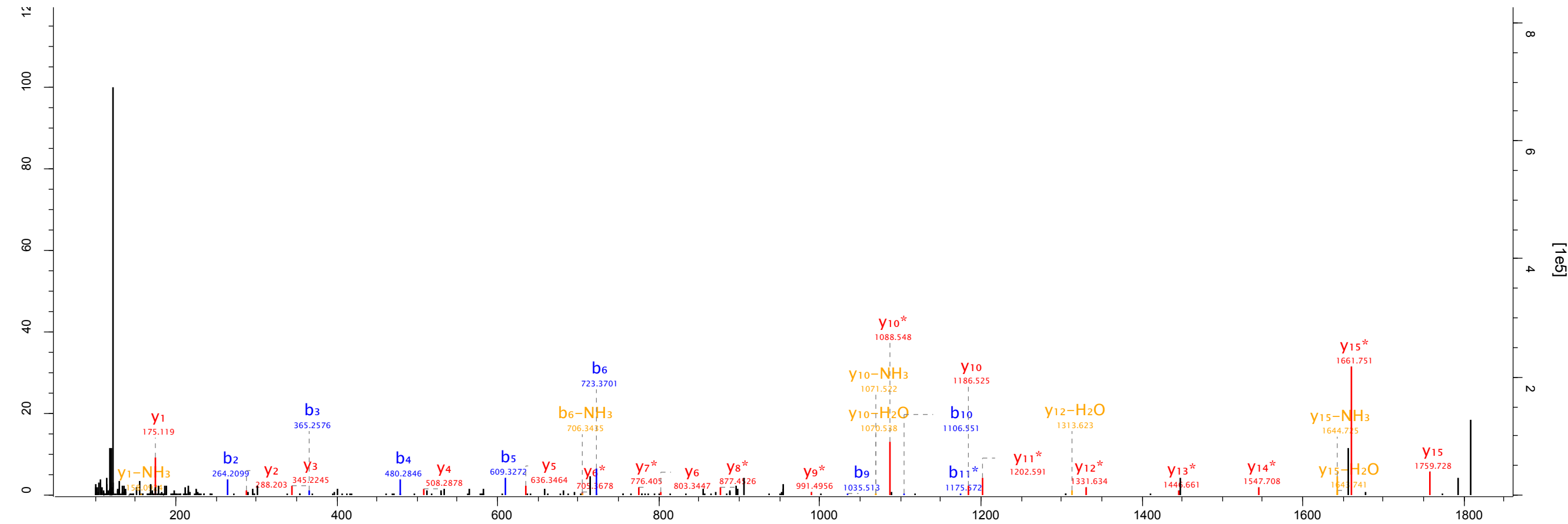
Supplementary MS2 Spectra

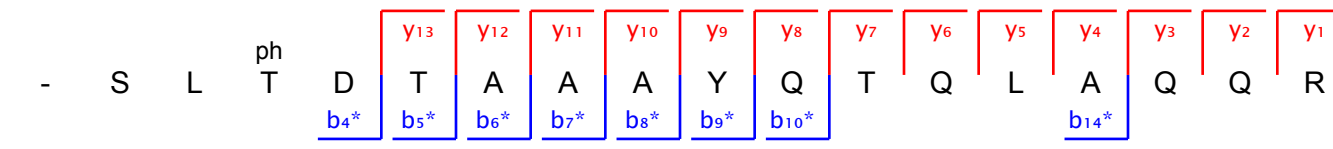
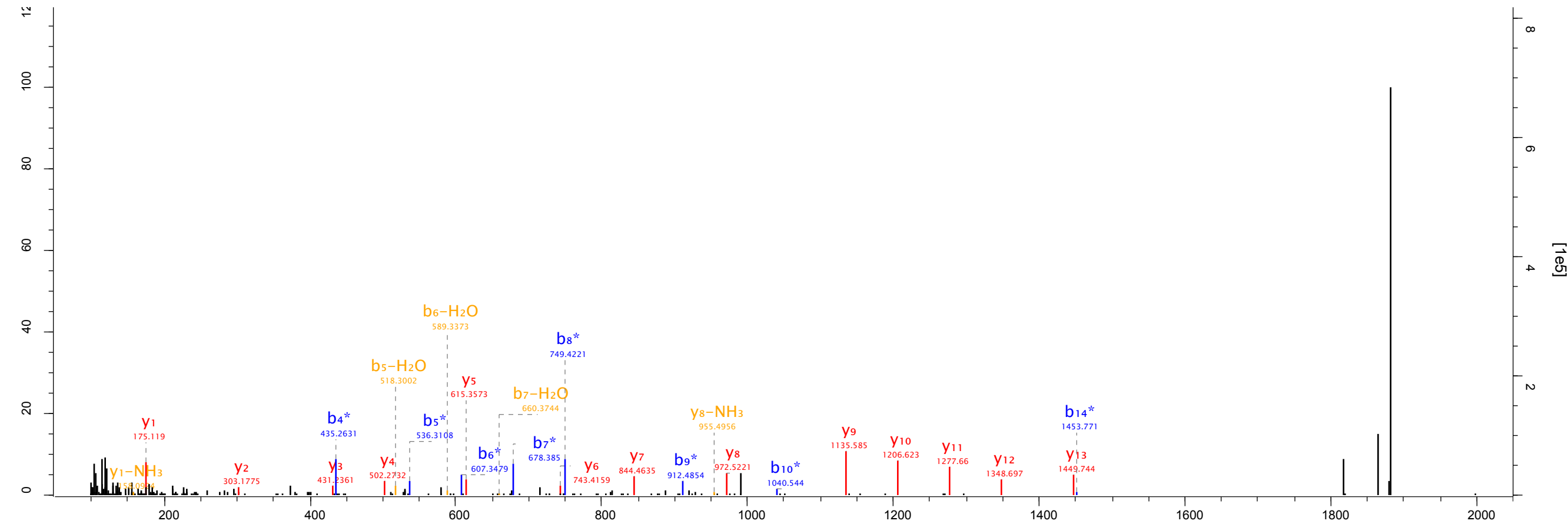
Chlorosis as a developmental program in cyanobacteria:
the proteomic fundament for survival and awakening

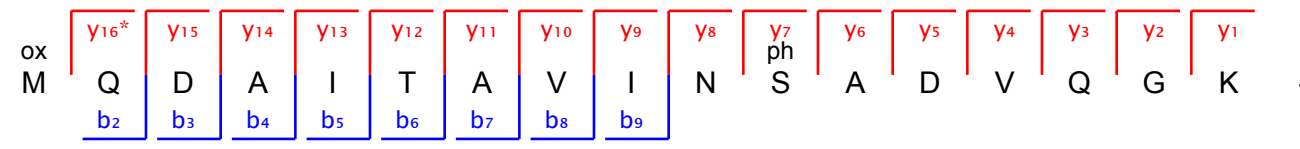
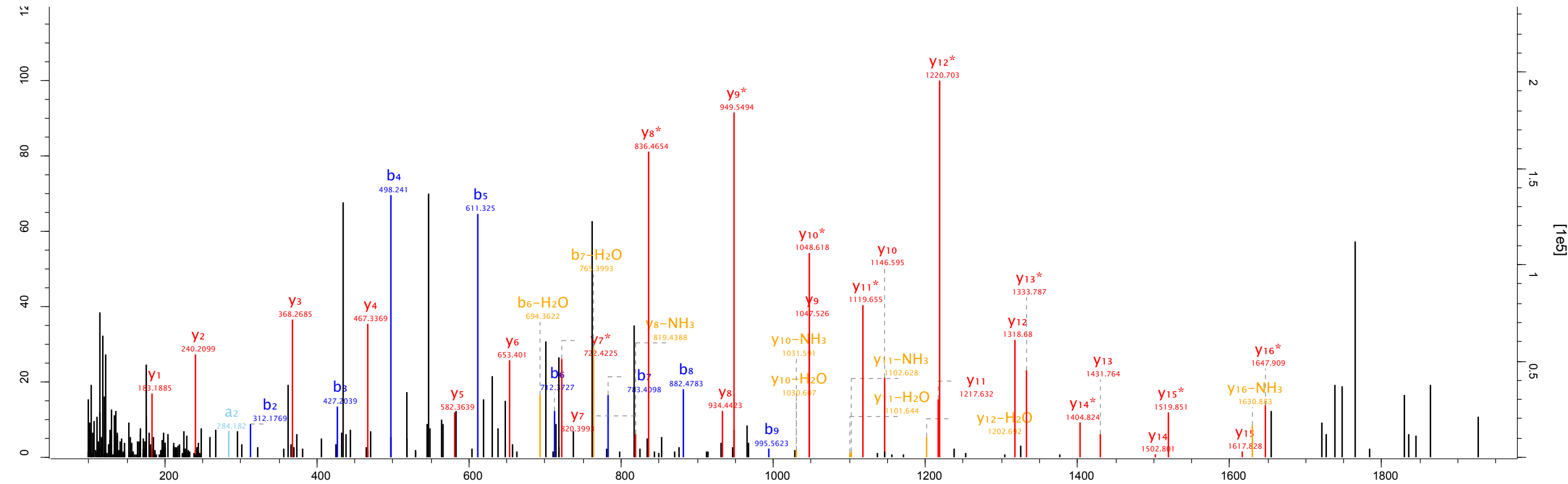
Shown are the MS2 spectra with the best phosphorylation site localization (corresponding to Supplementary Table S8; column AH). The position of the phosphorylation site(s) in the protein sequences are indicated, if localized, in column D.

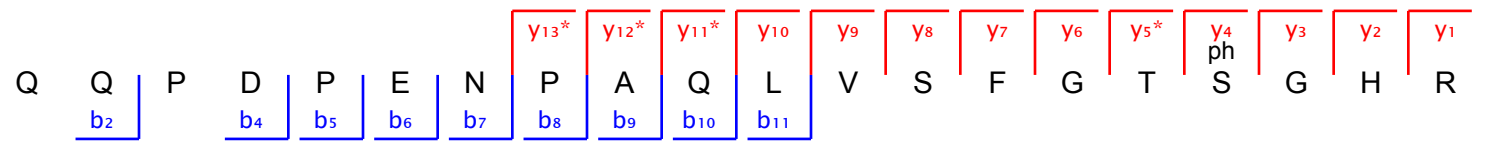
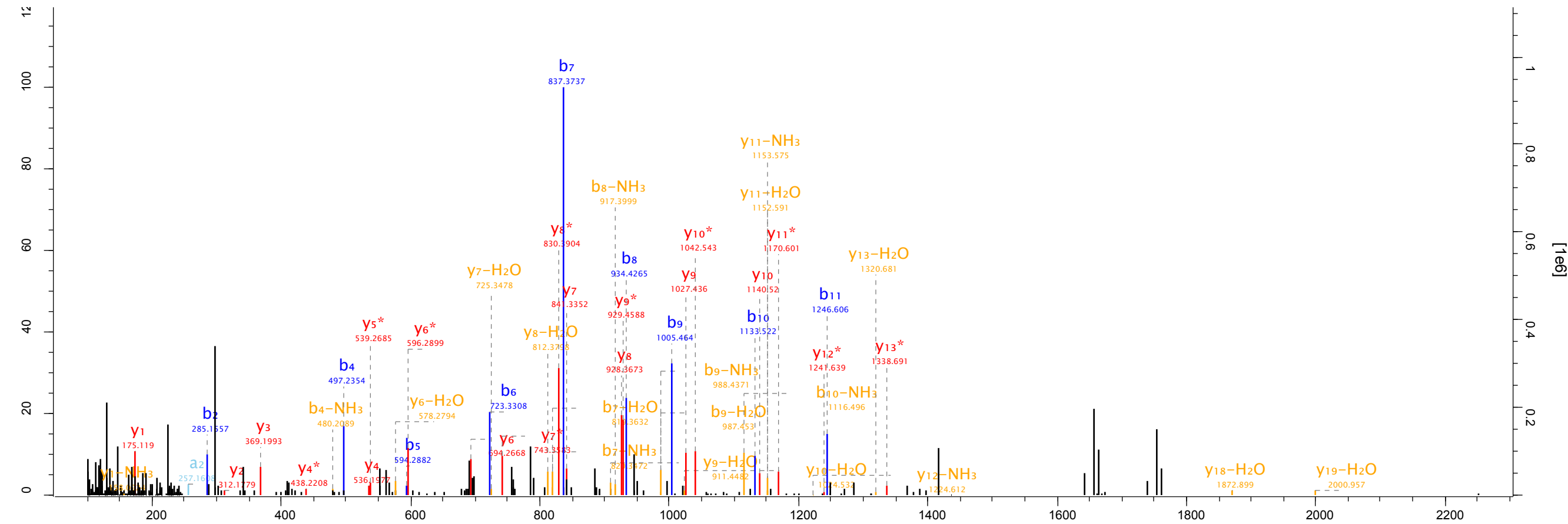
Fragment ions with a loss of phosphoric acid (-97.97 Th) are indicated by a star (*) in the spectra.

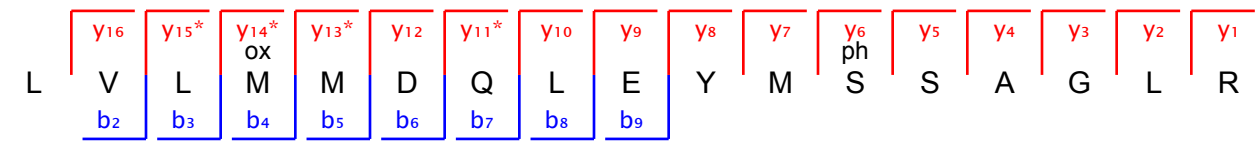
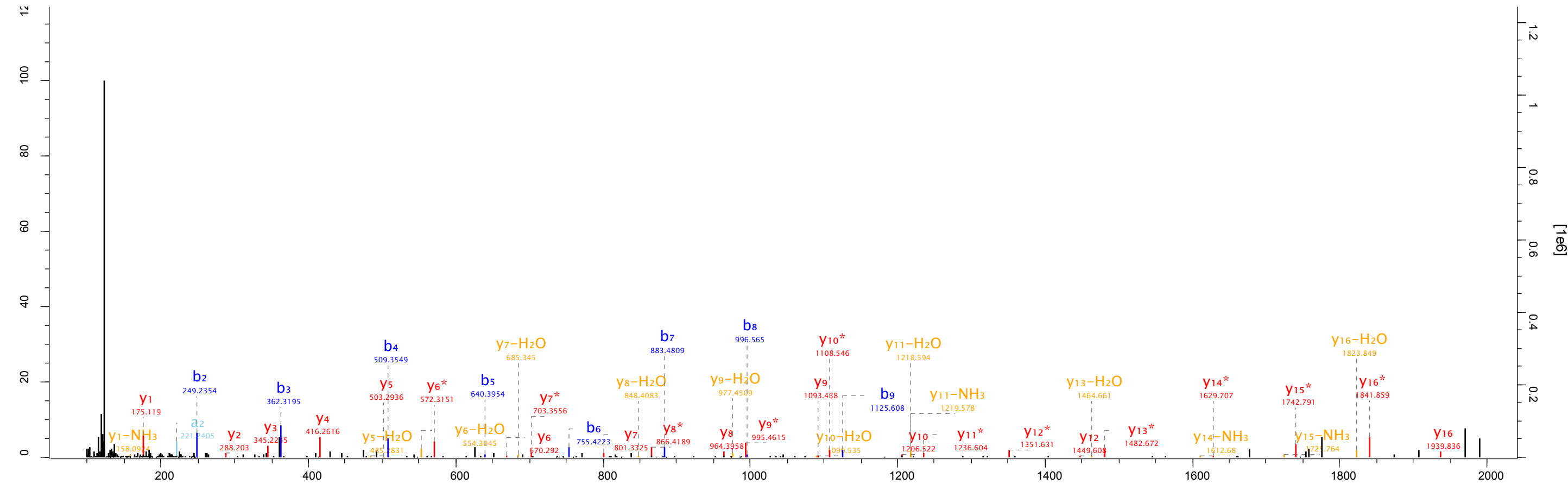


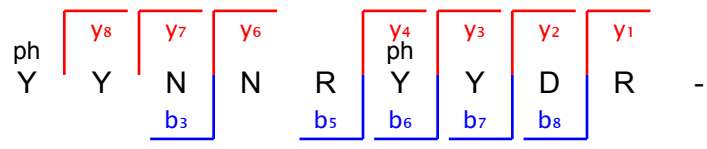
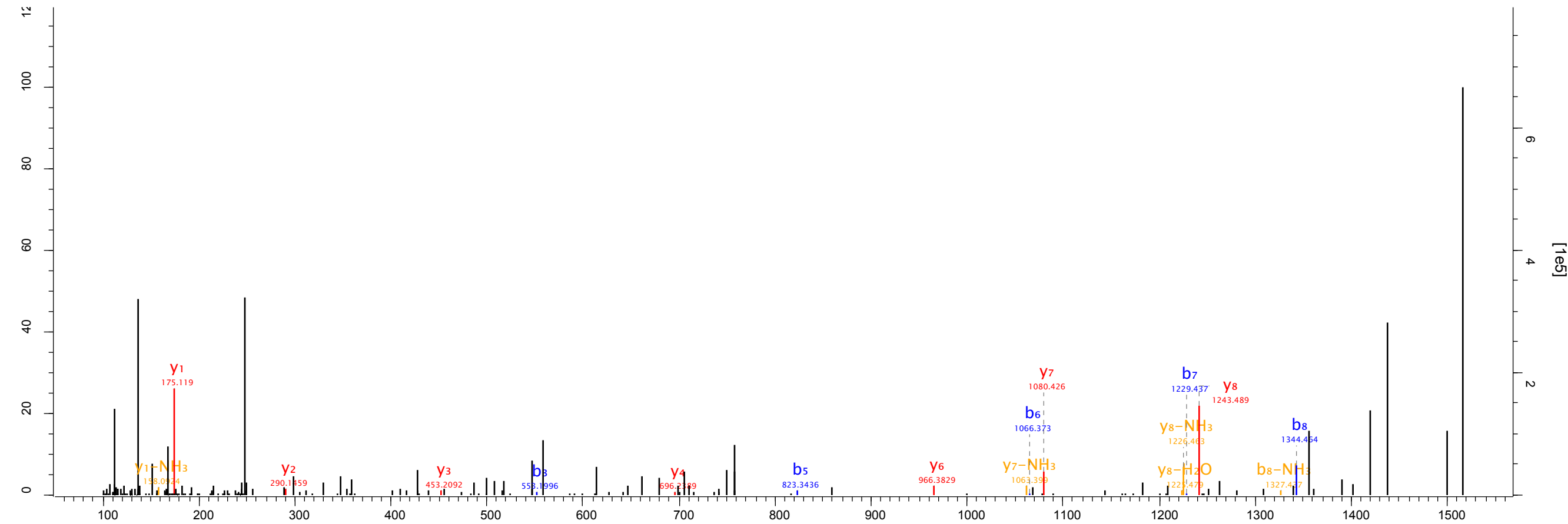


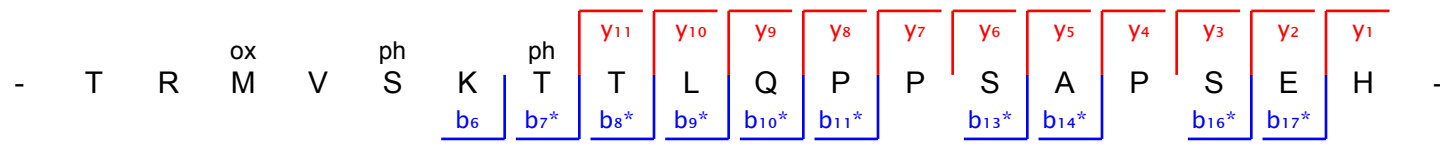
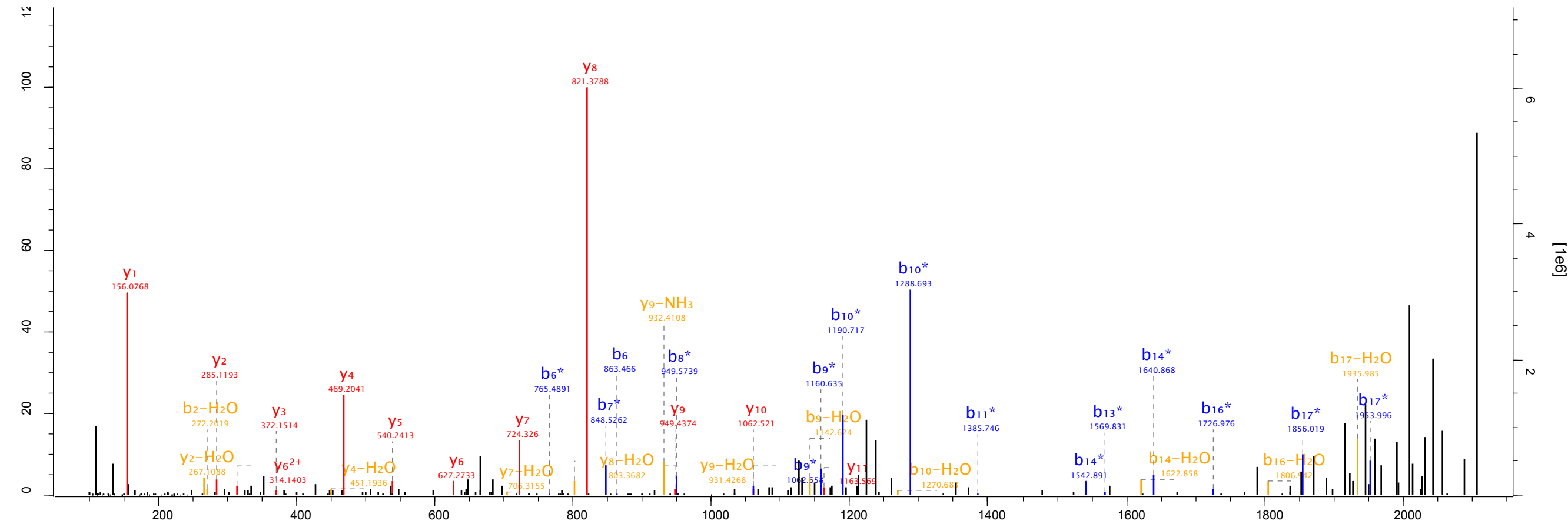


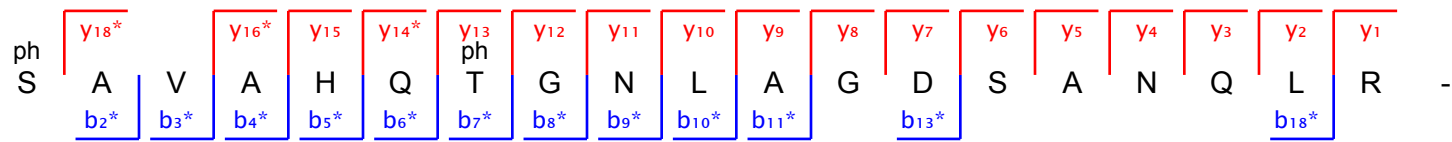
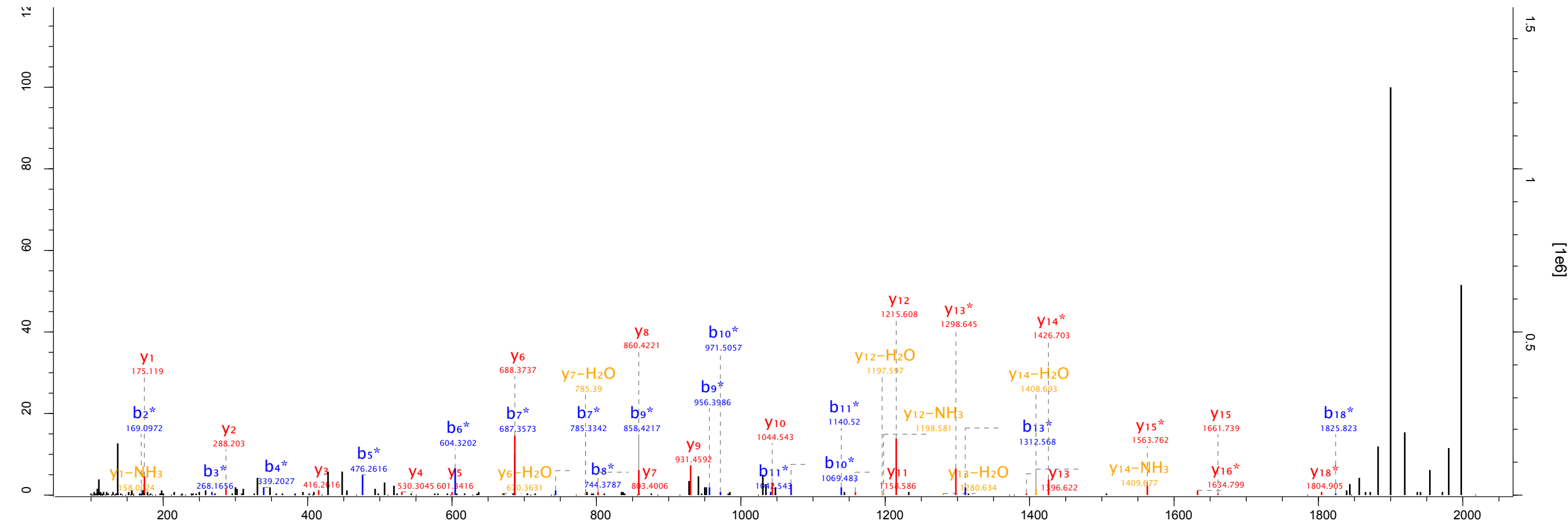


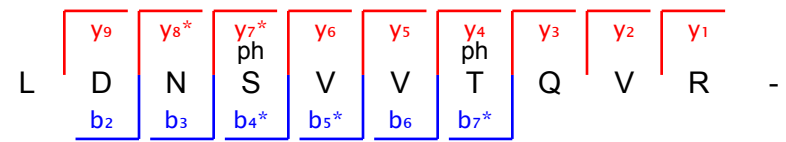
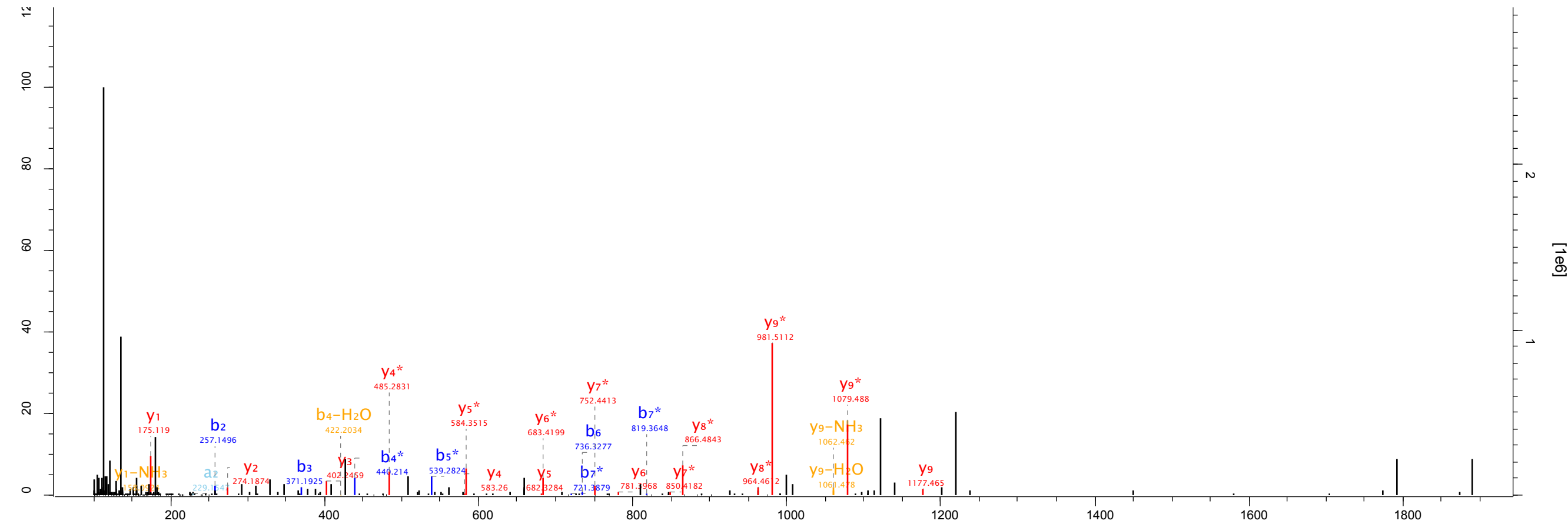


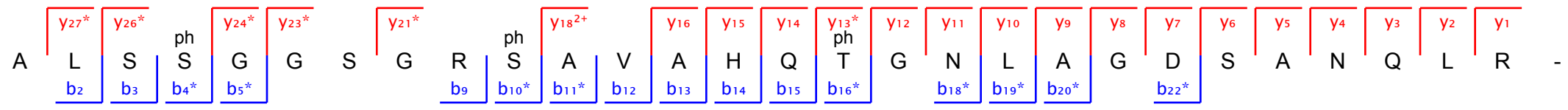
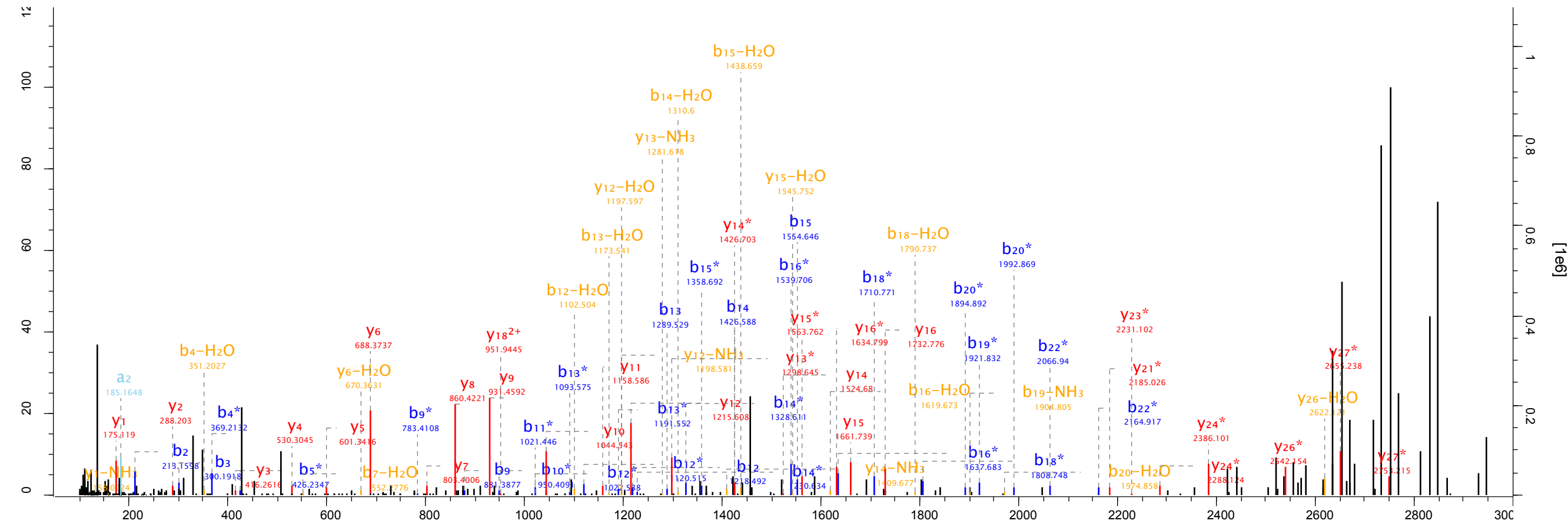


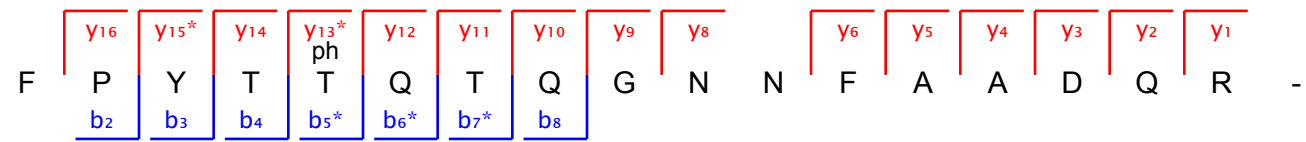
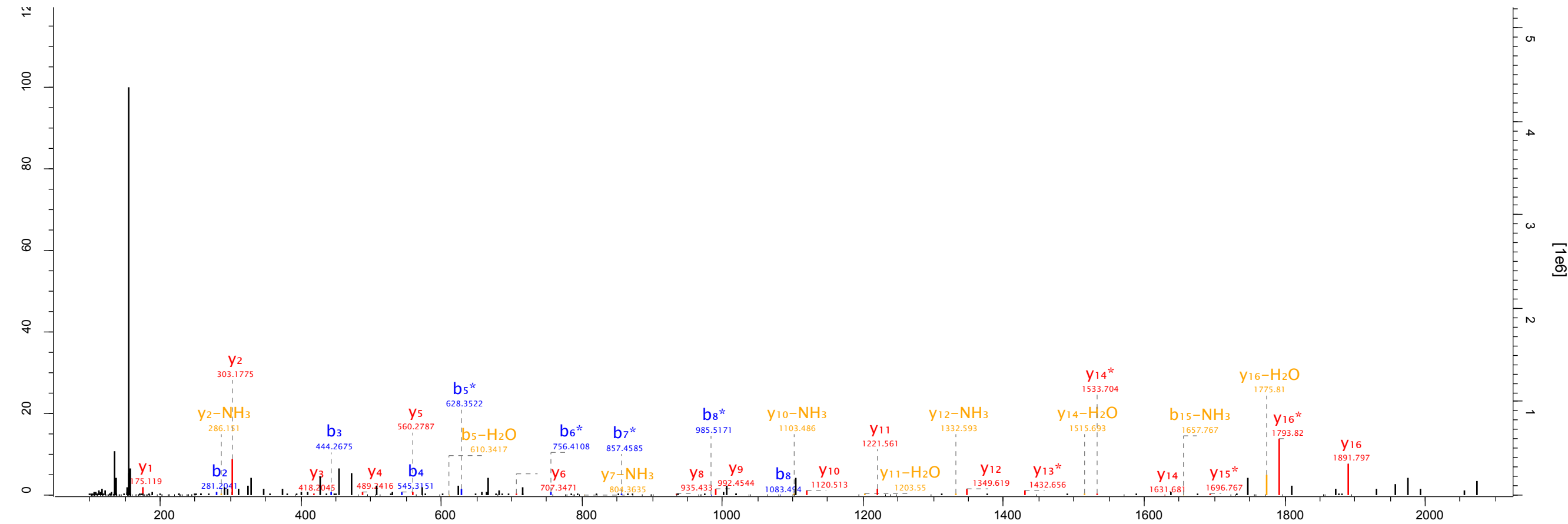


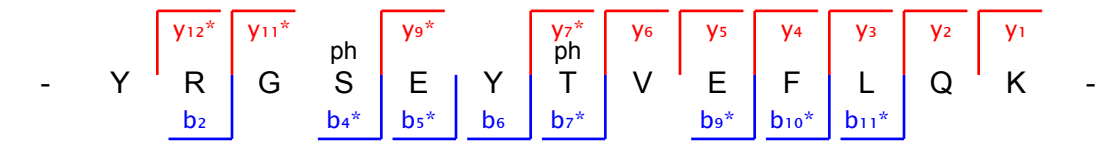
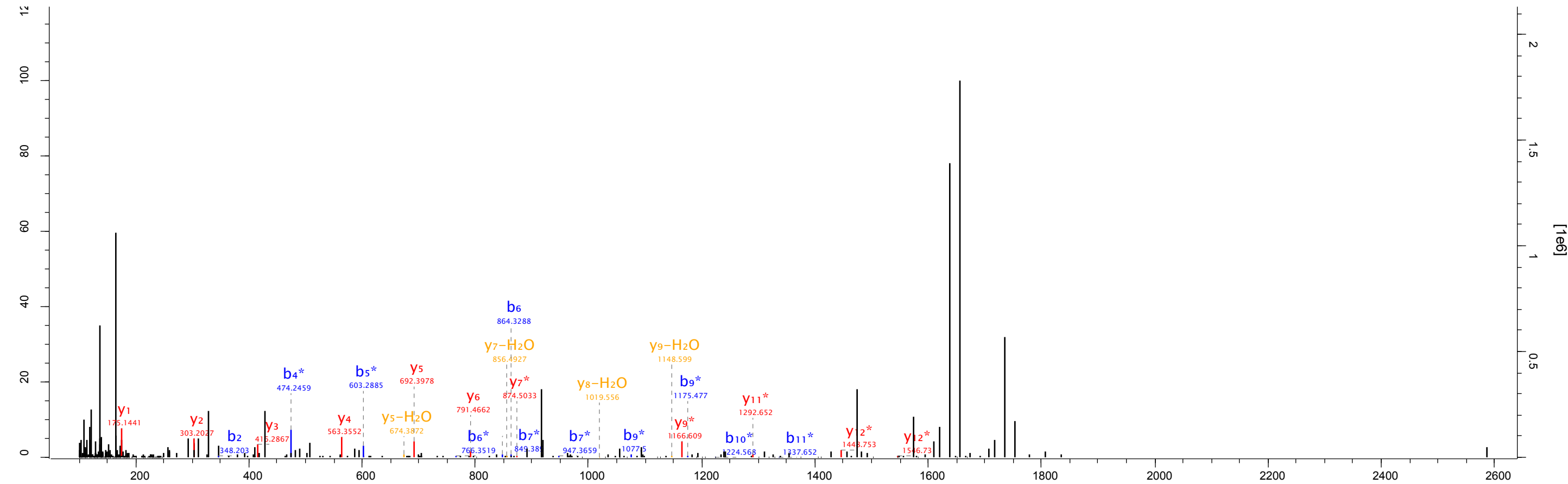


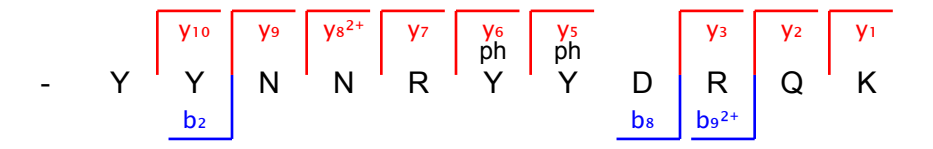
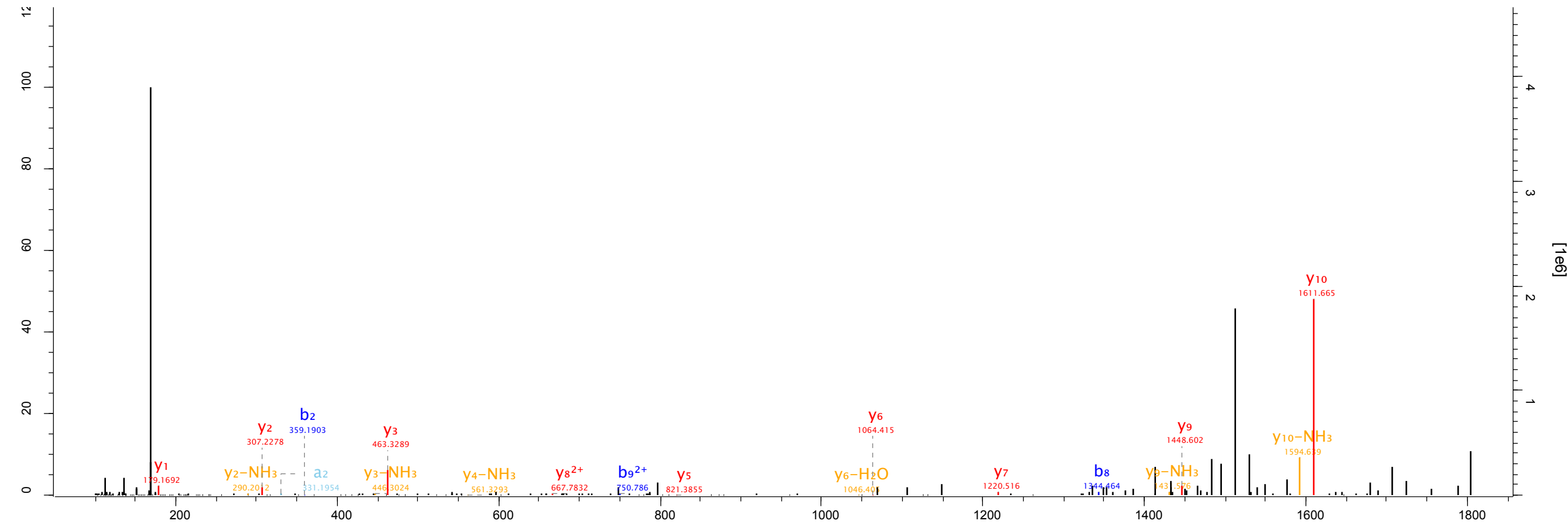


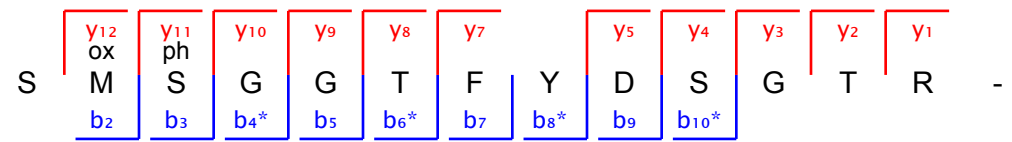
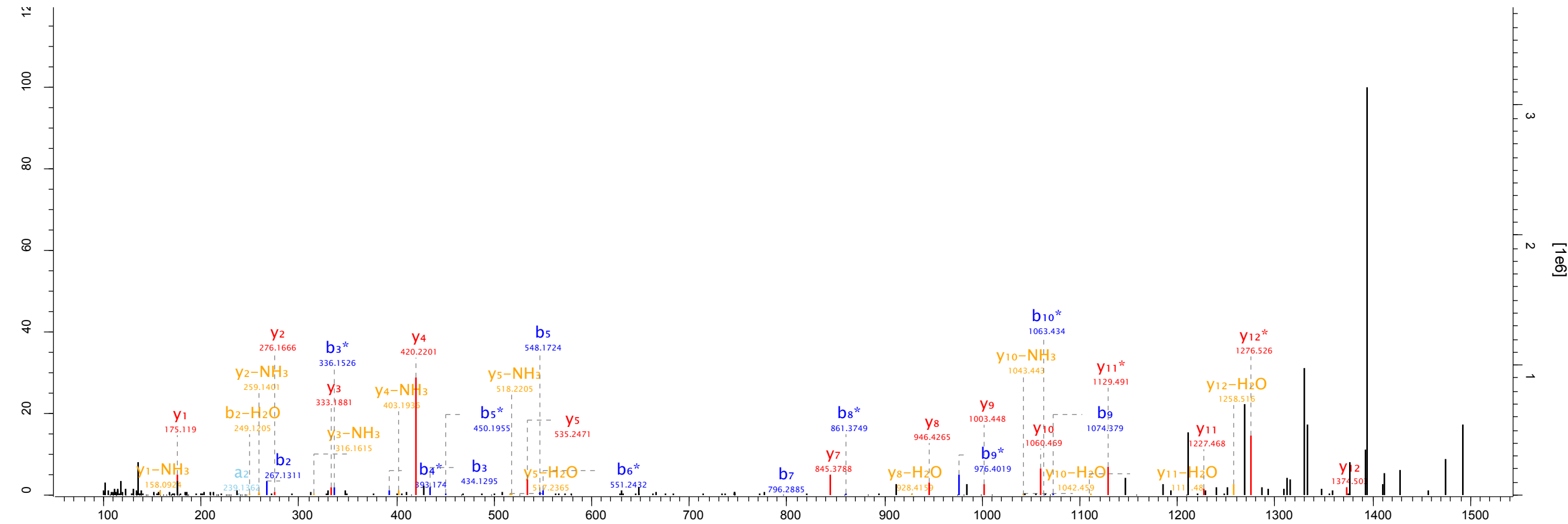


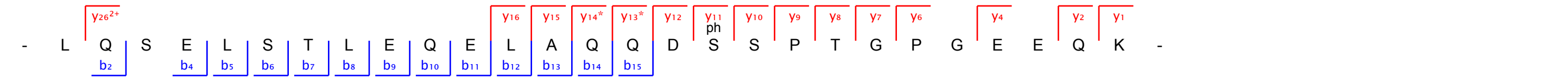
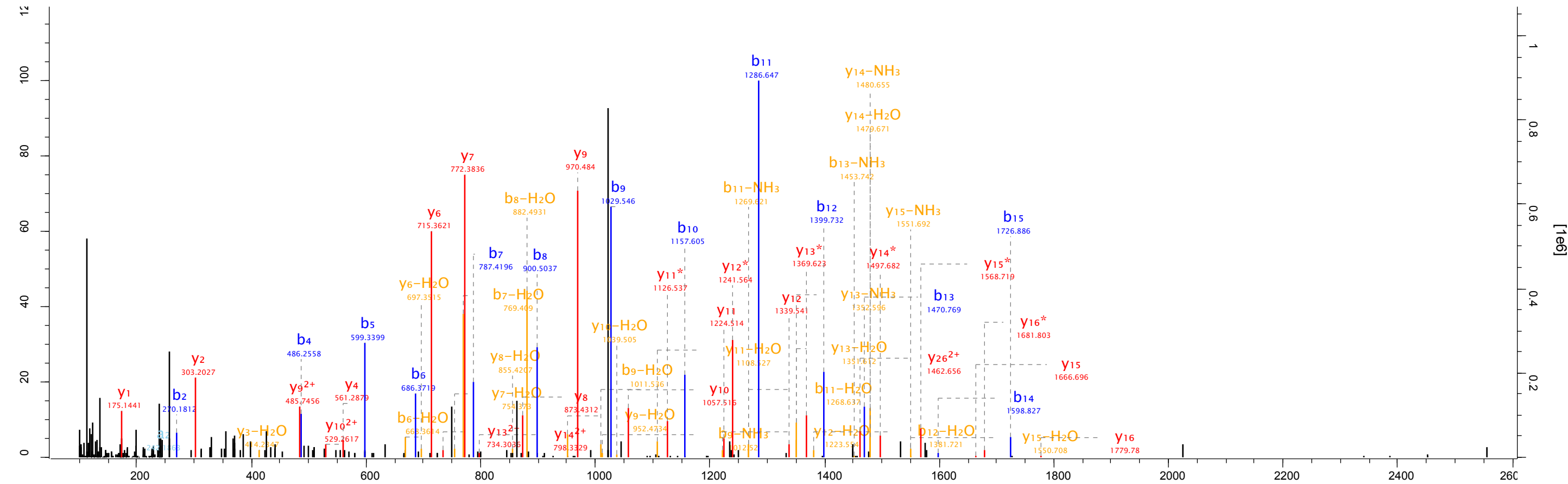


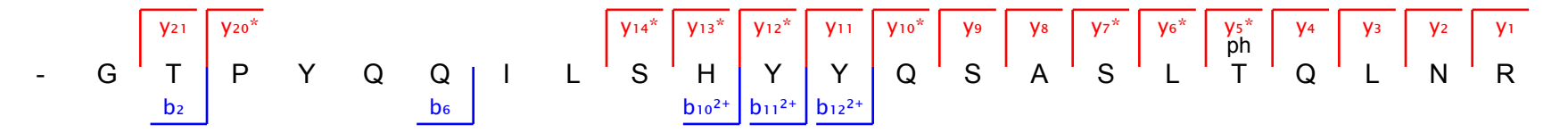
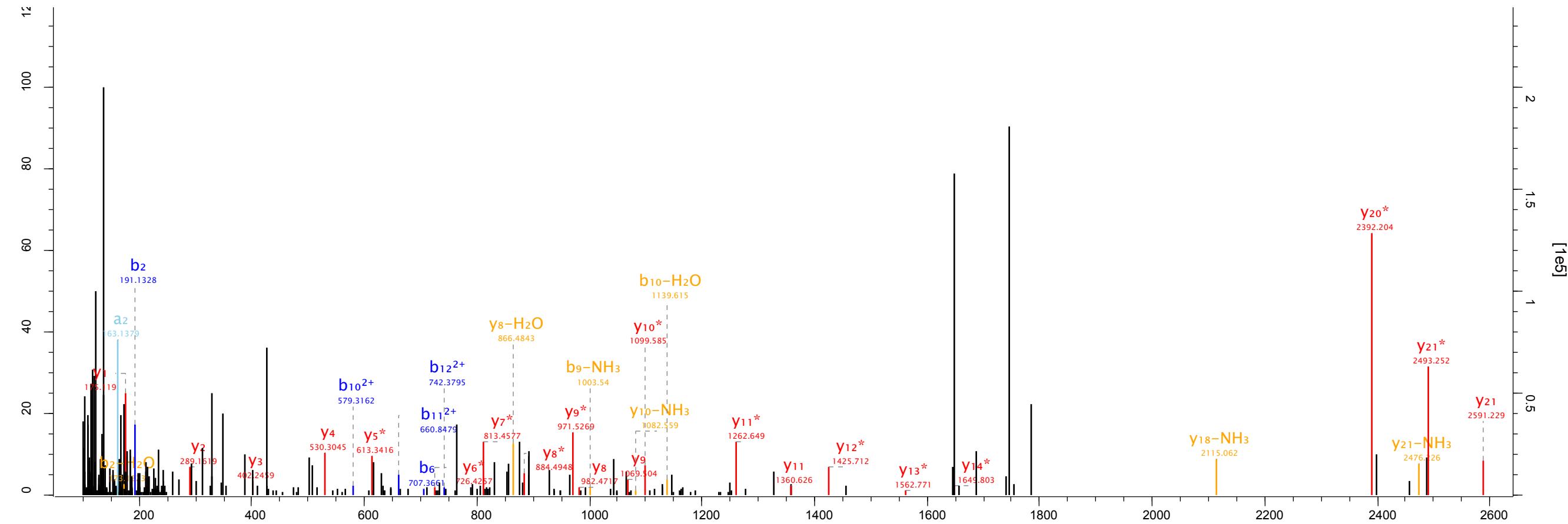


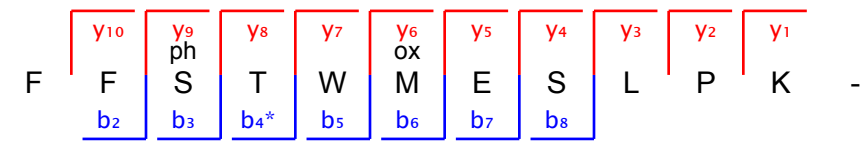
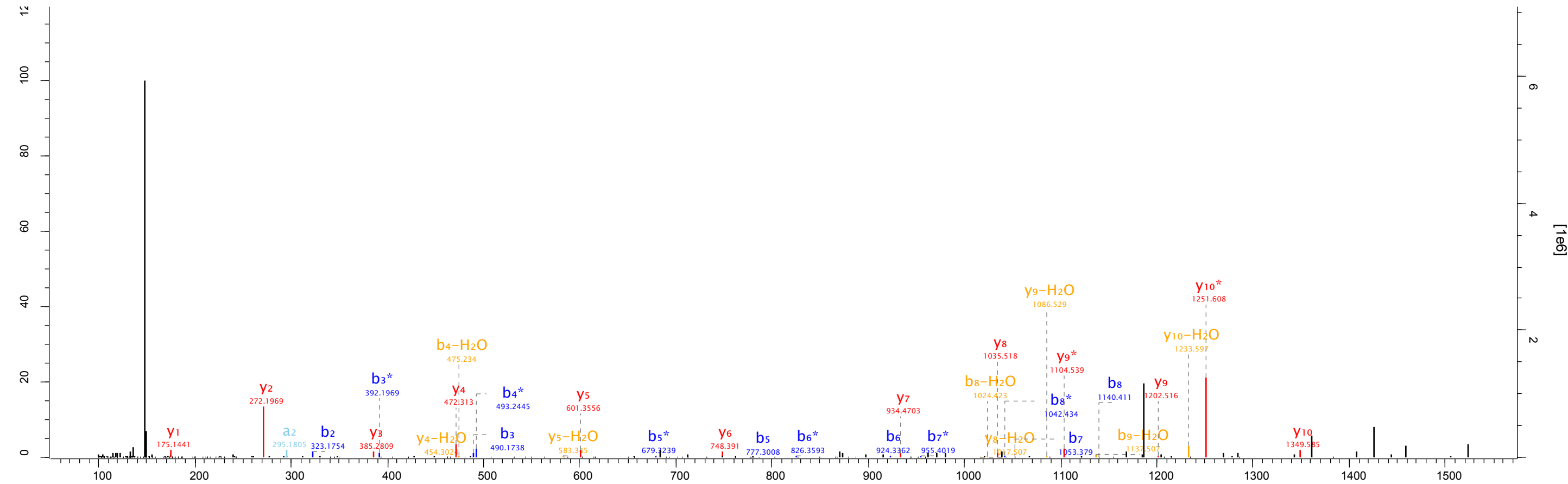


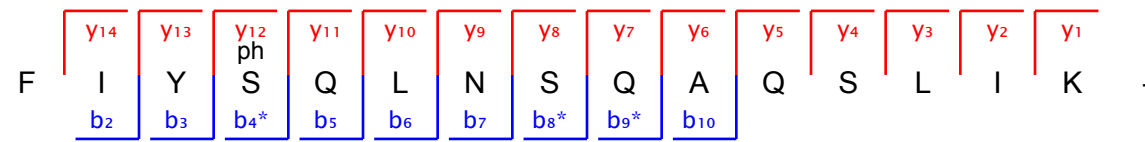
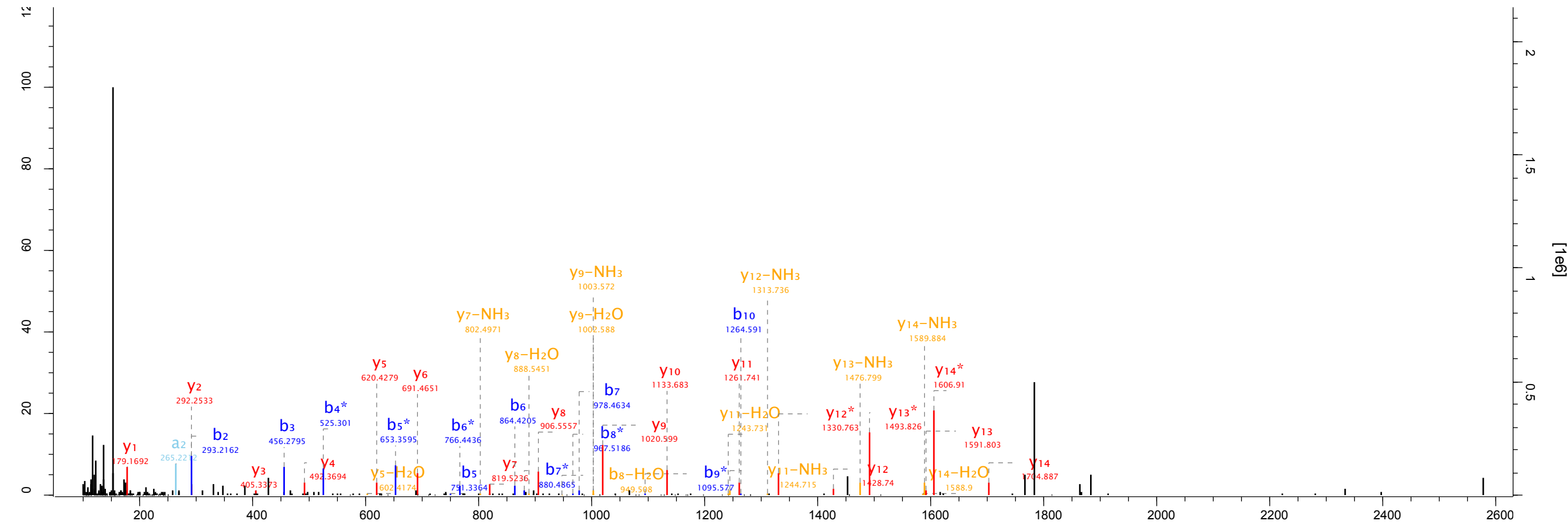


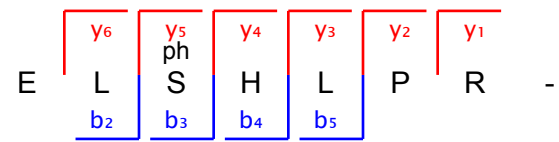
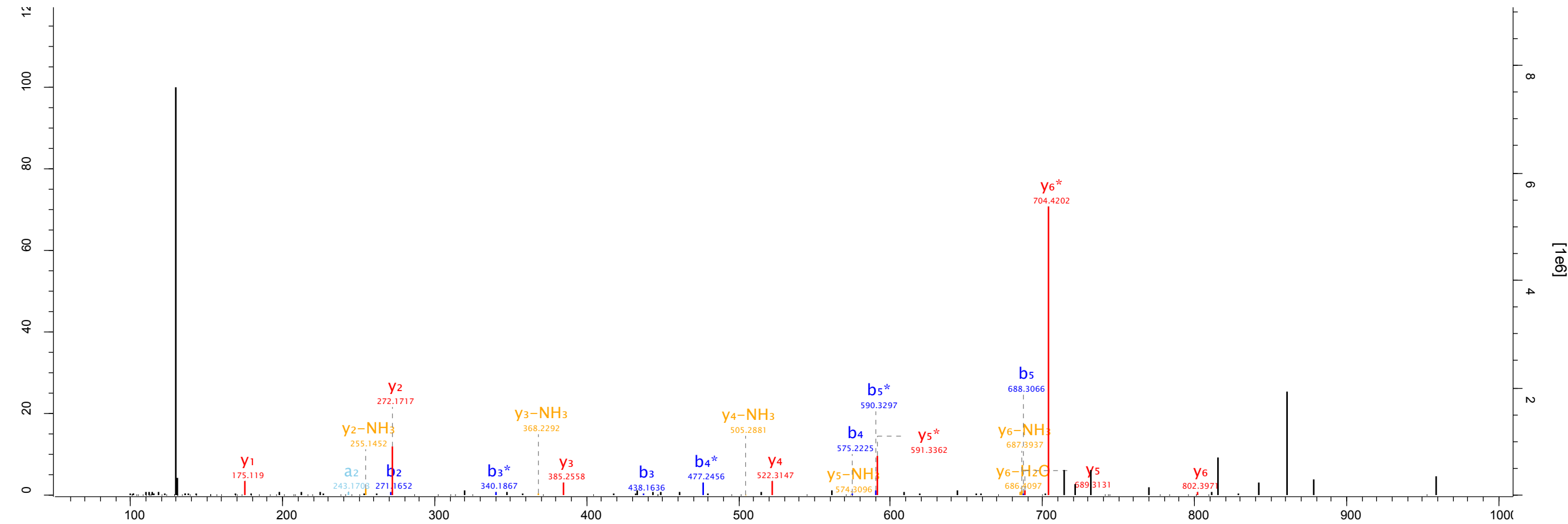


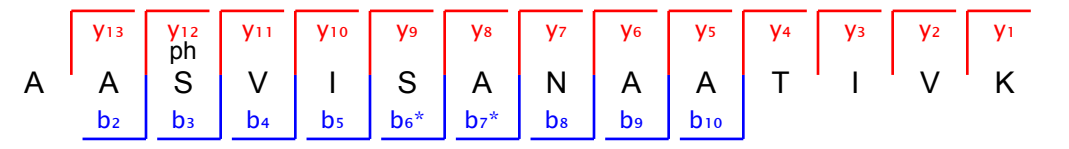
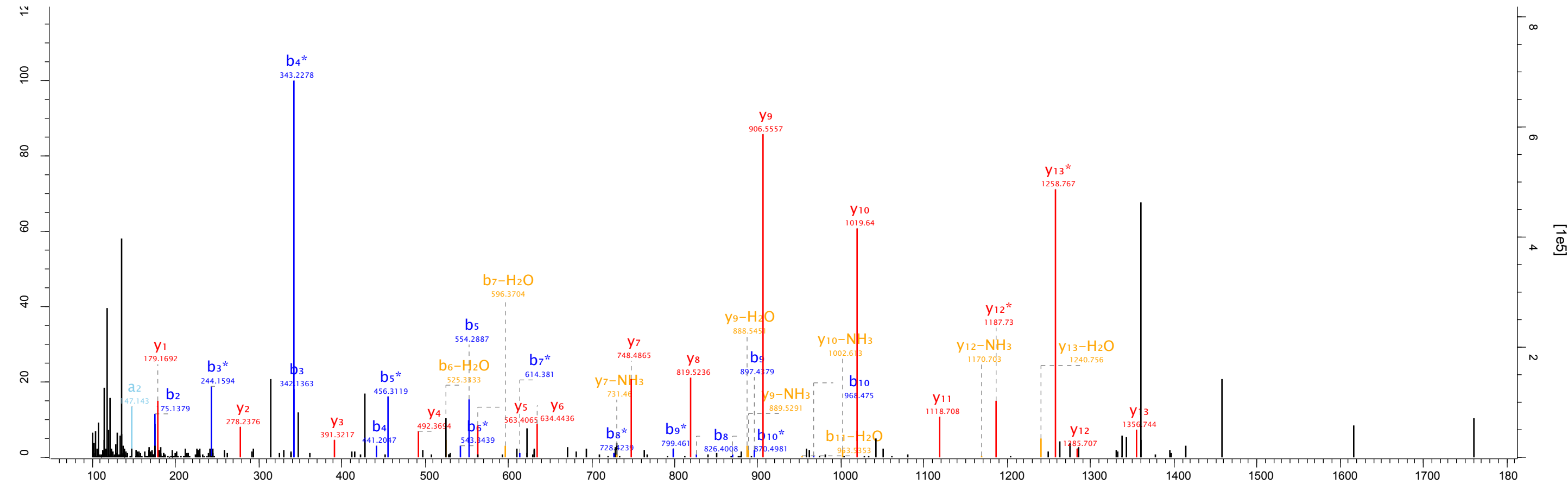


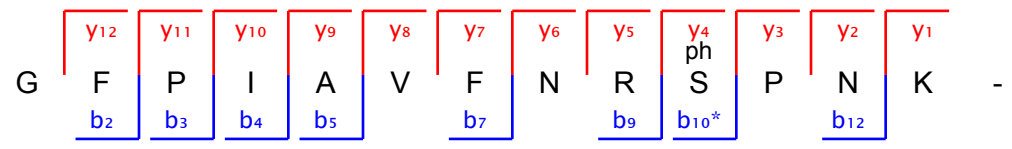
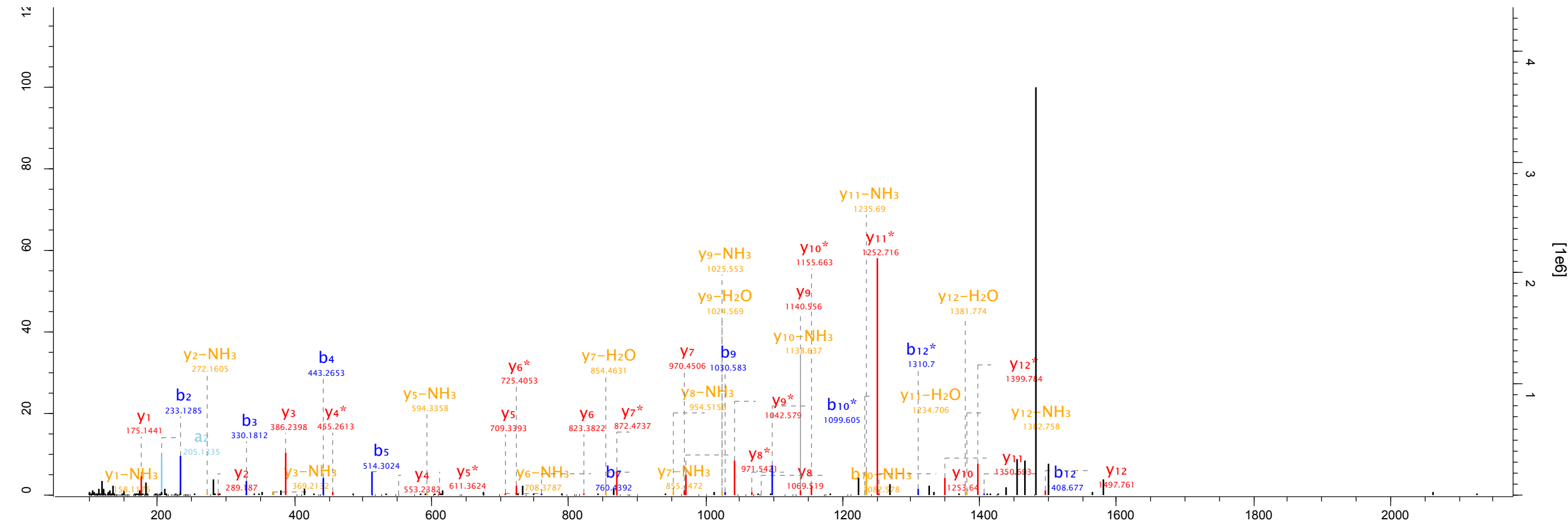


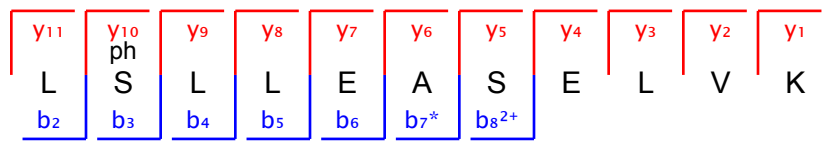
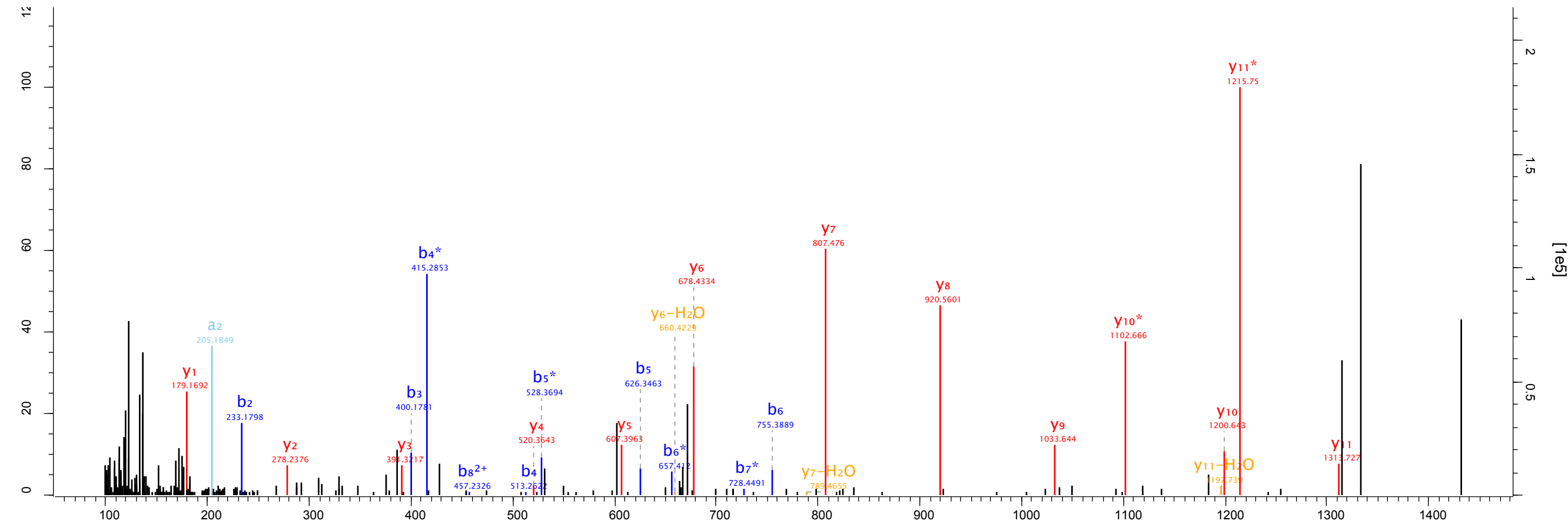


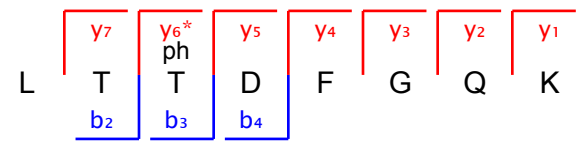
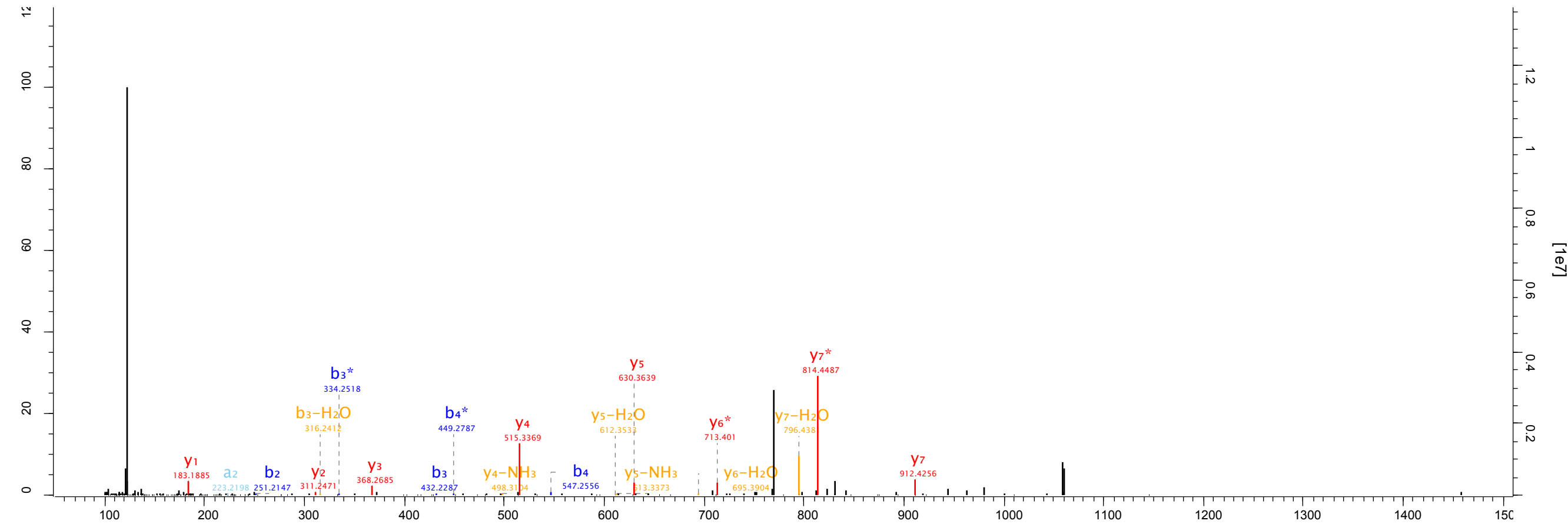


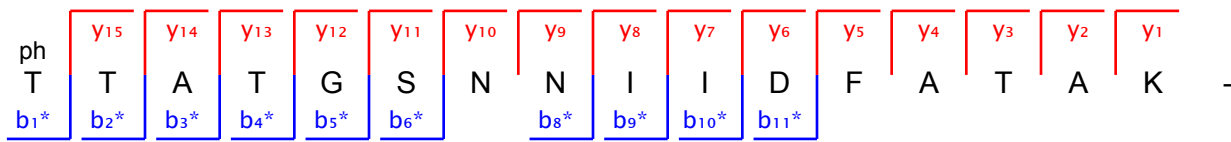
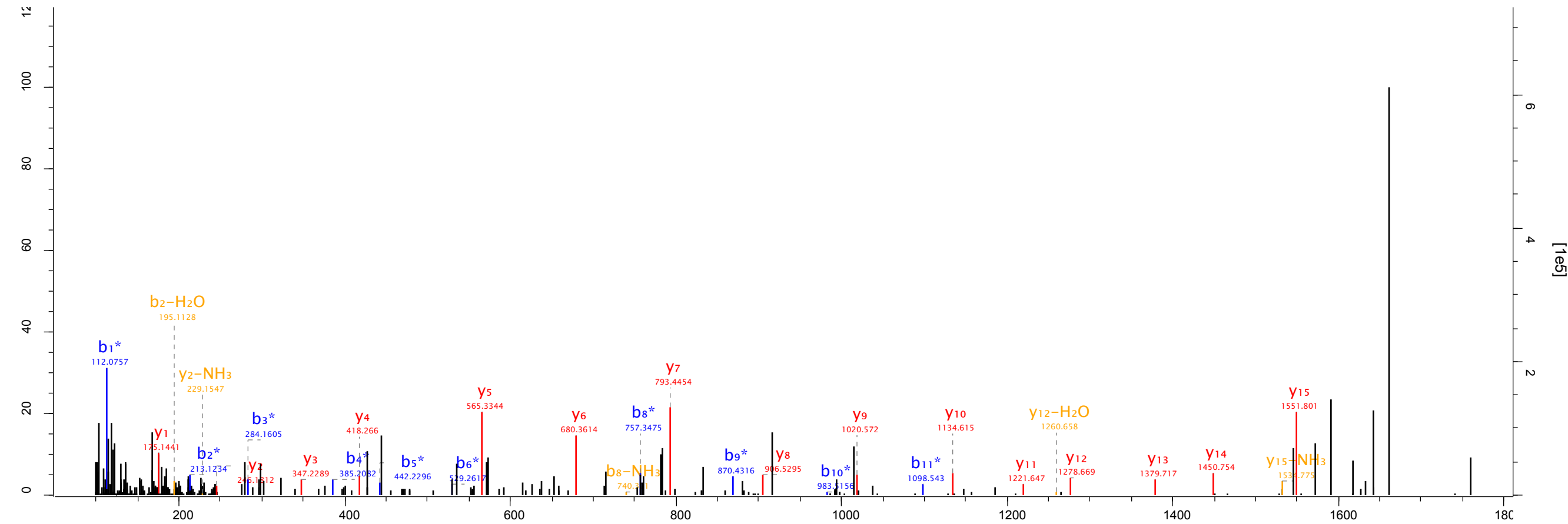


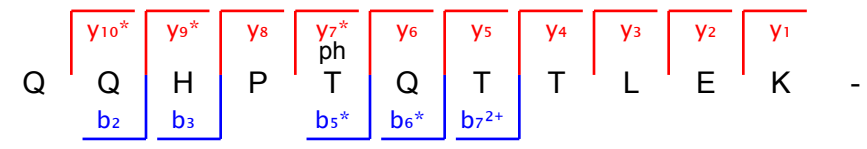
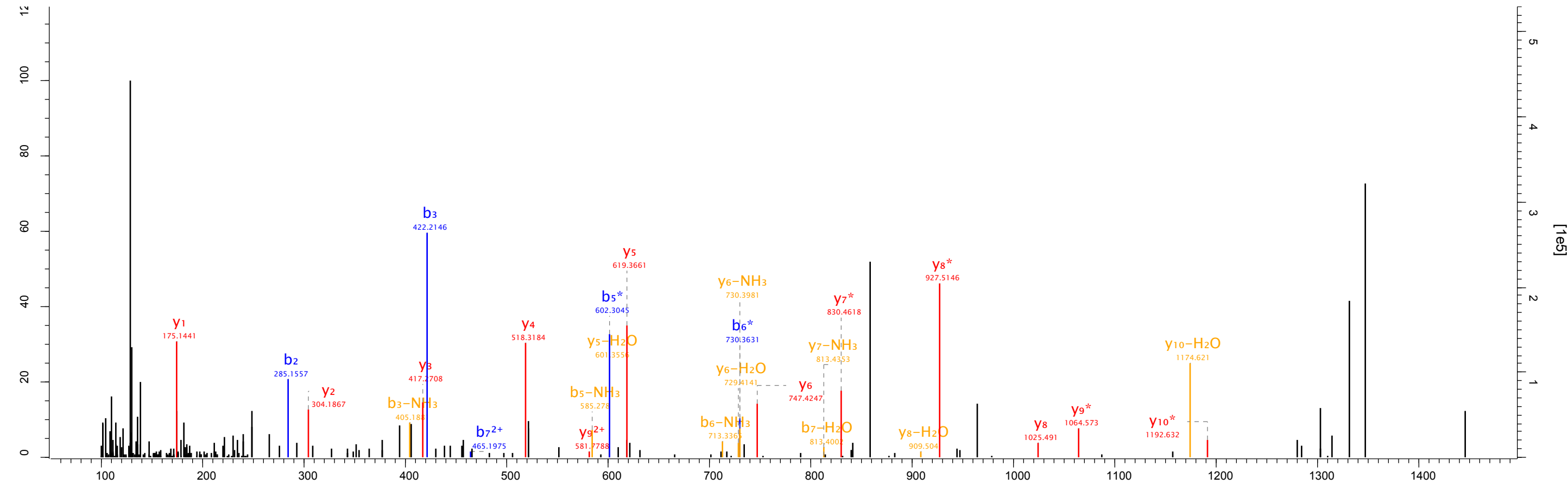


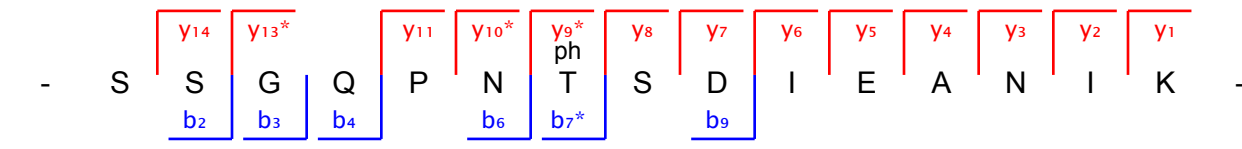
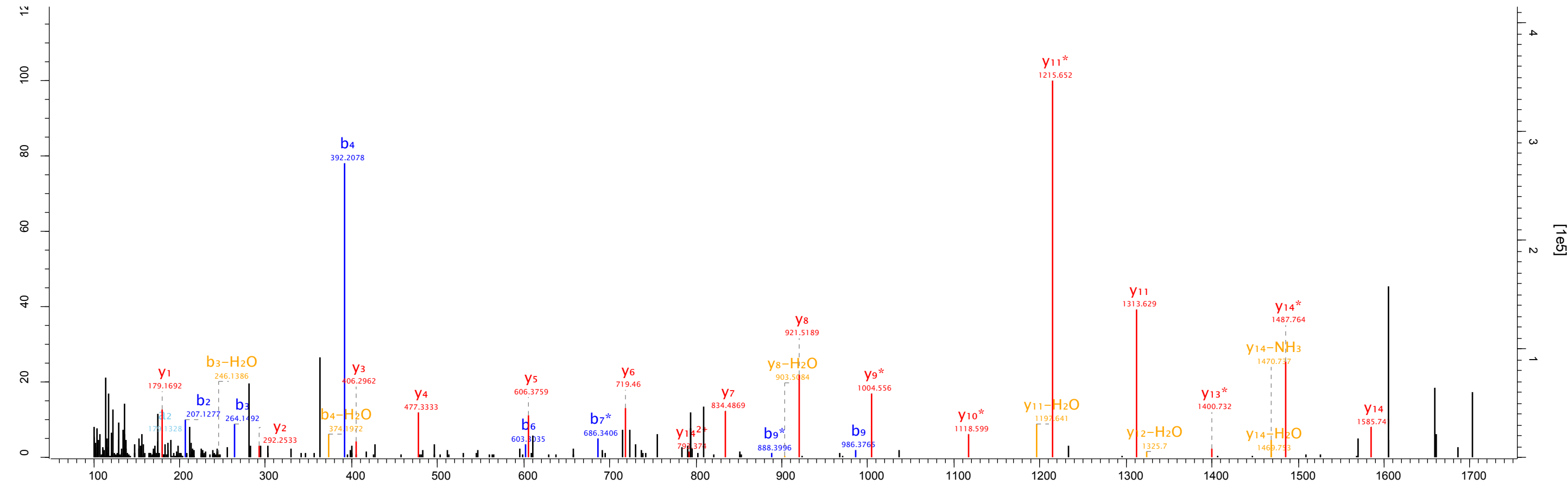


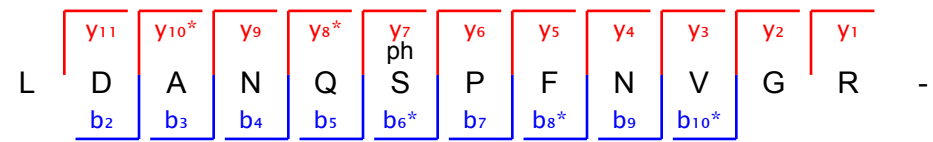
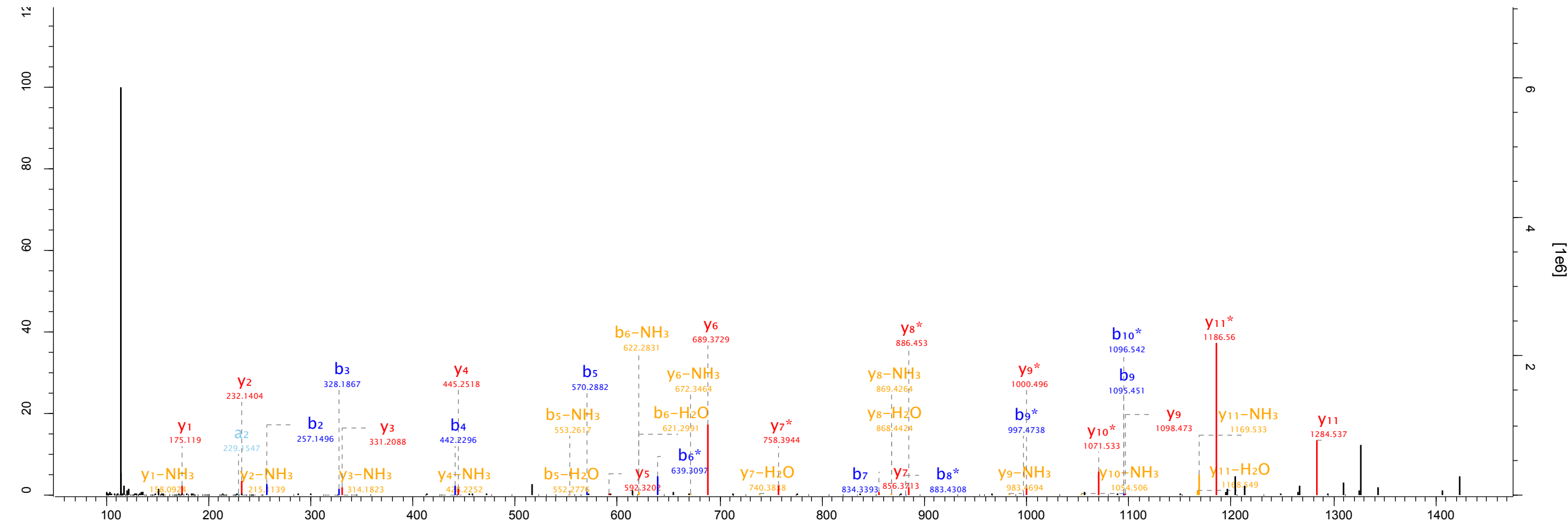


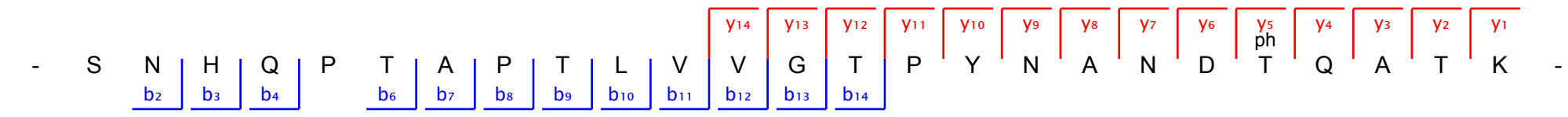
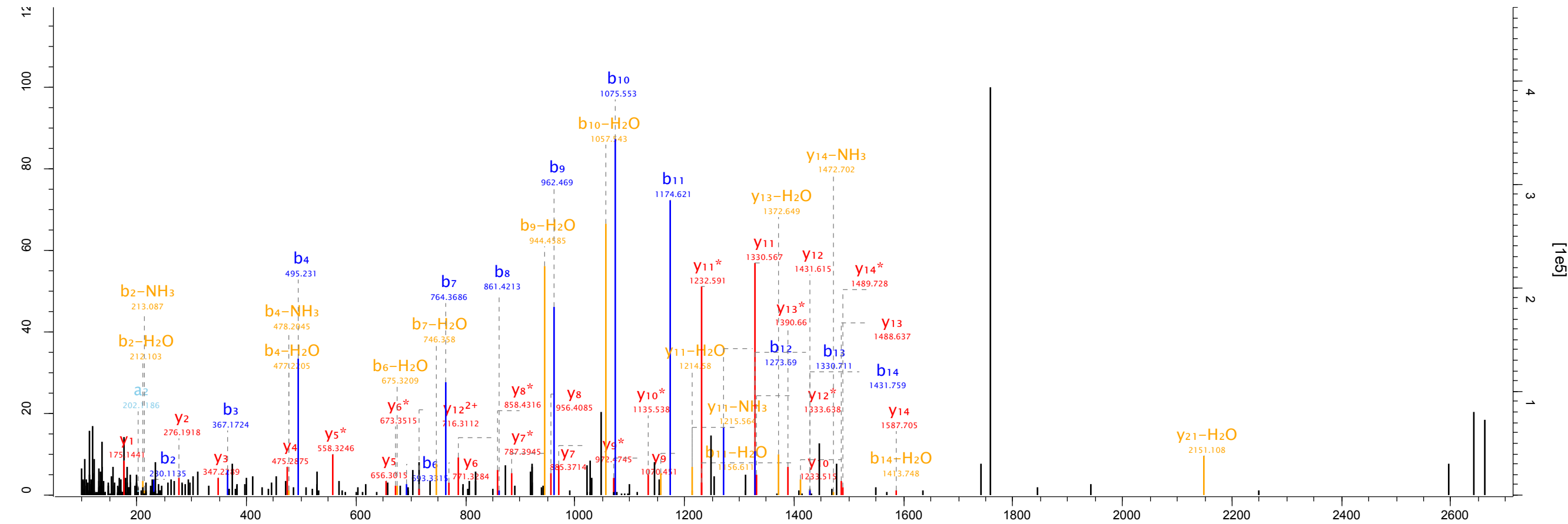


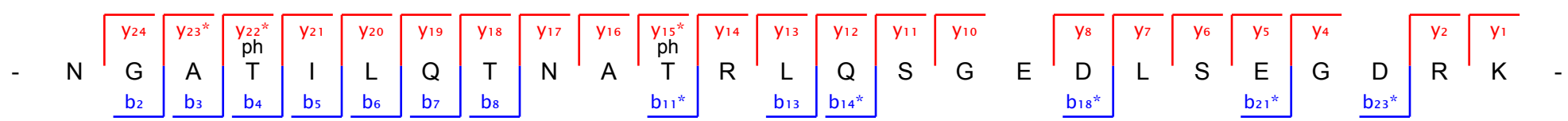
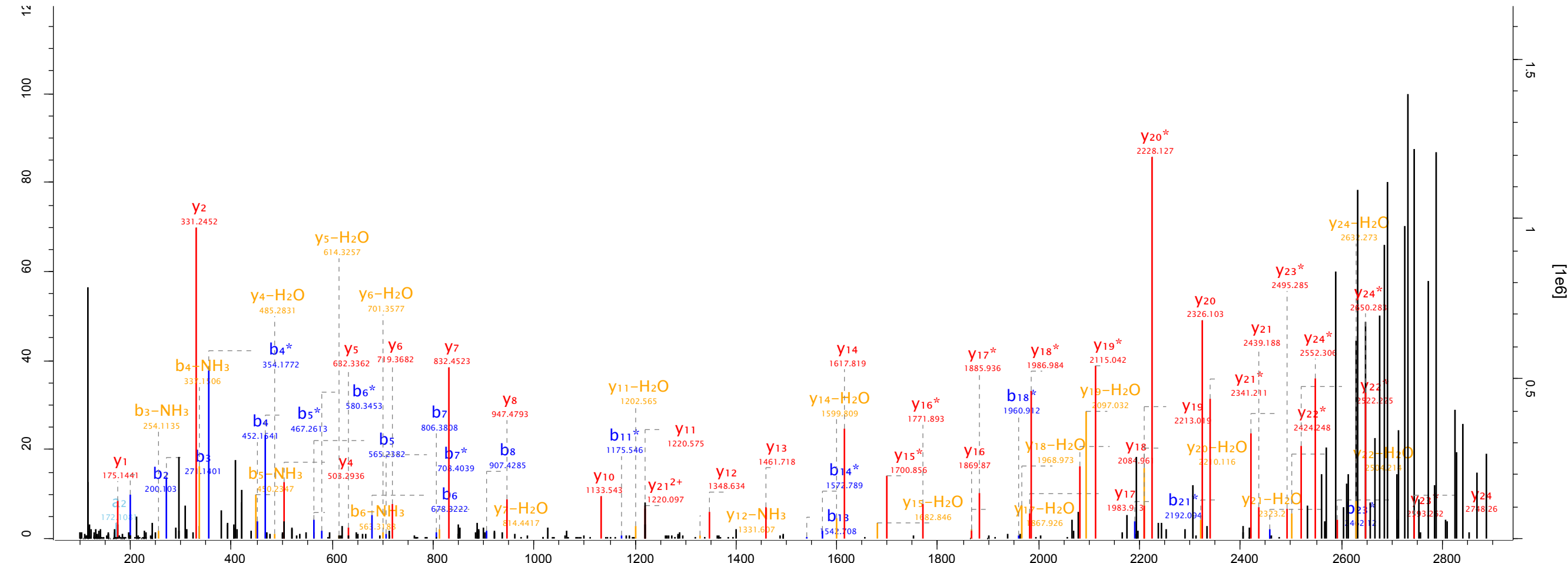




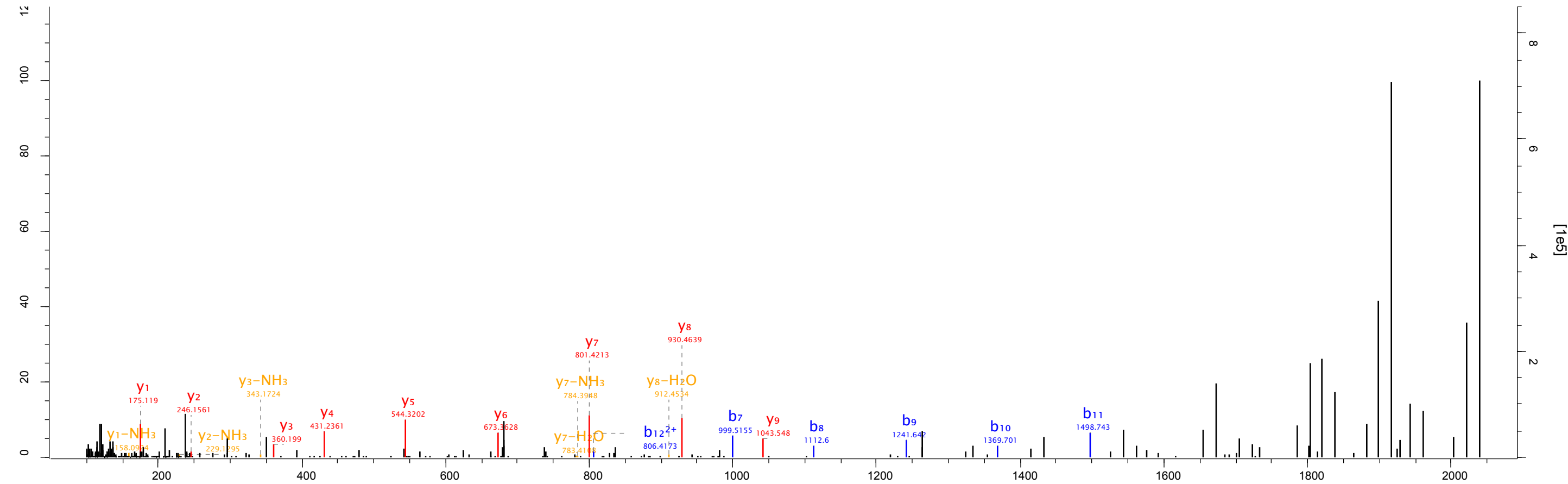




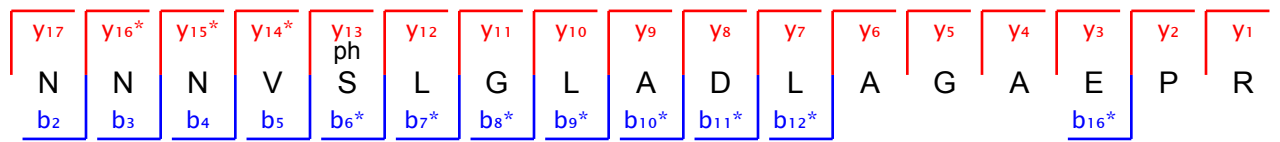
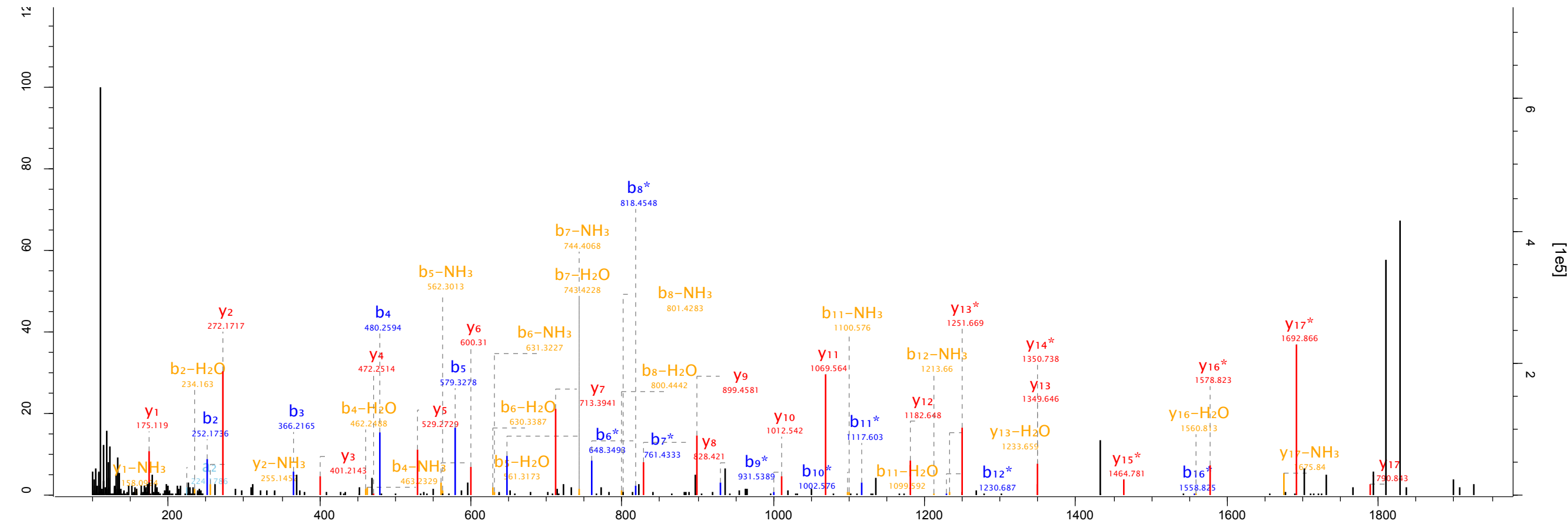


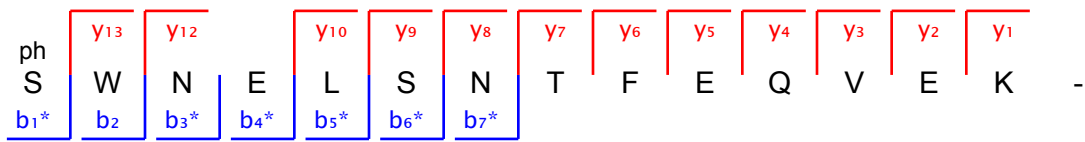
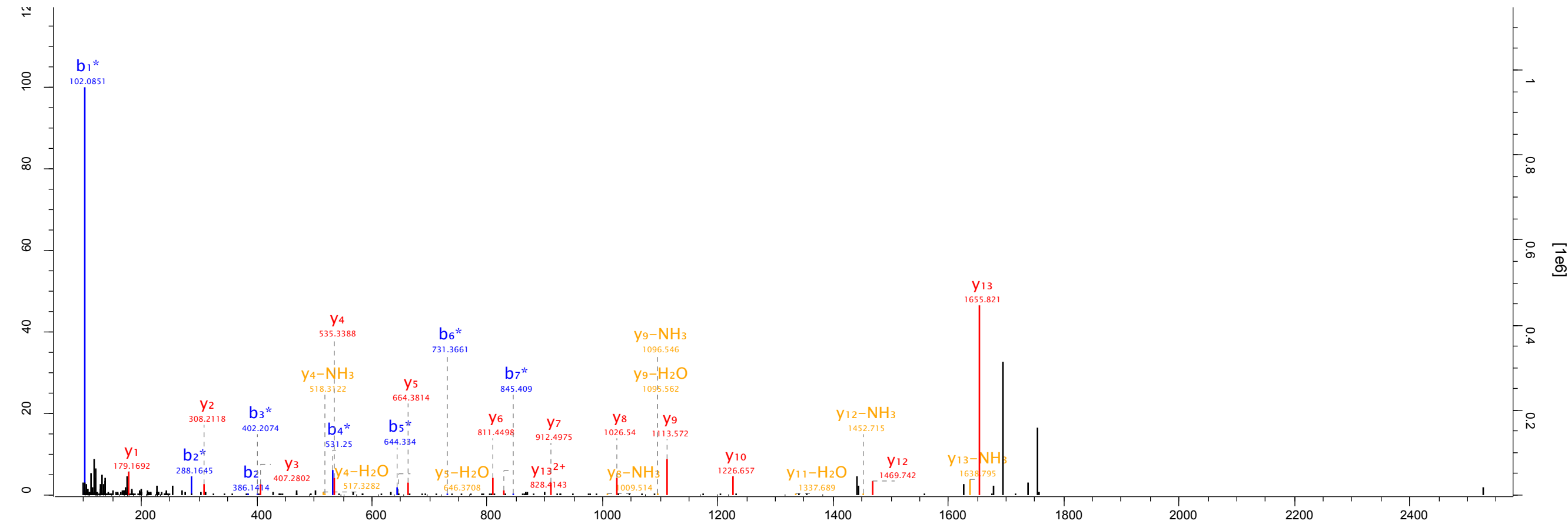


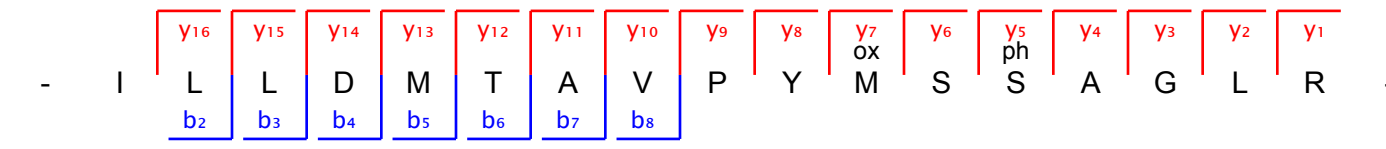
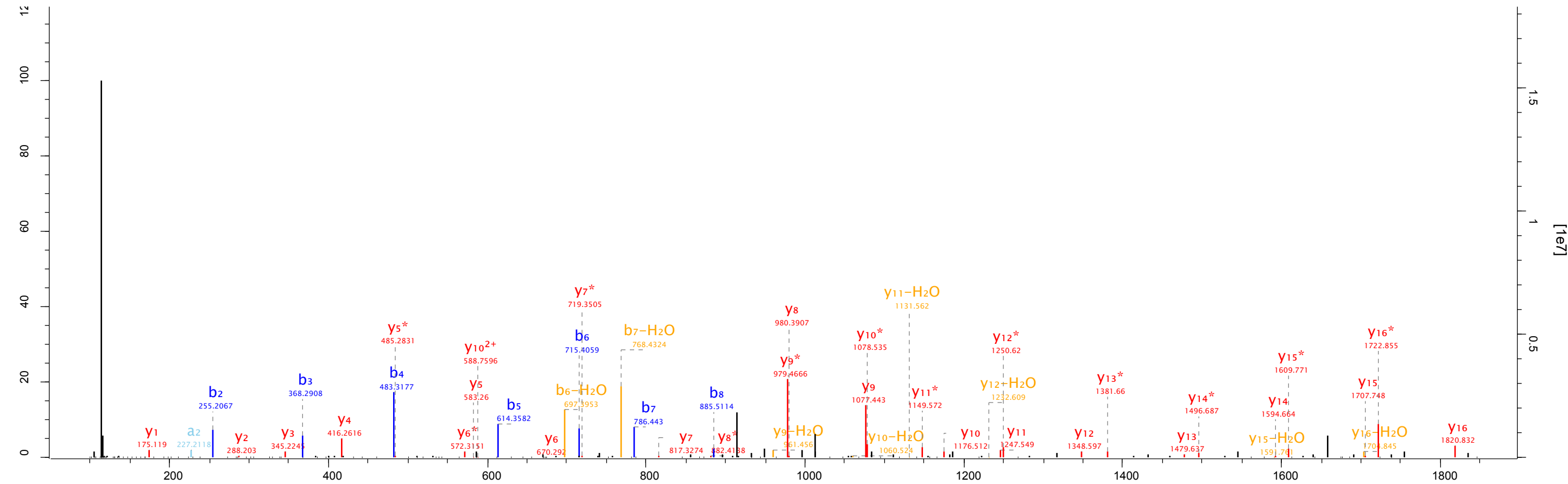
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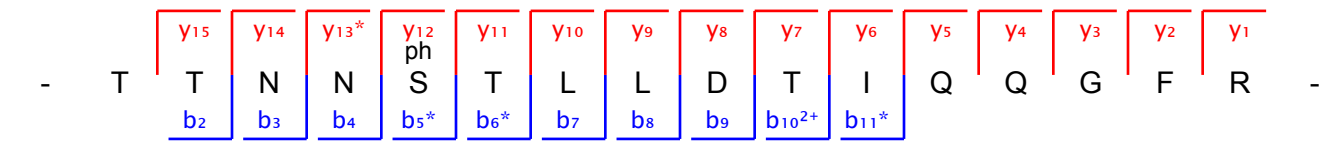
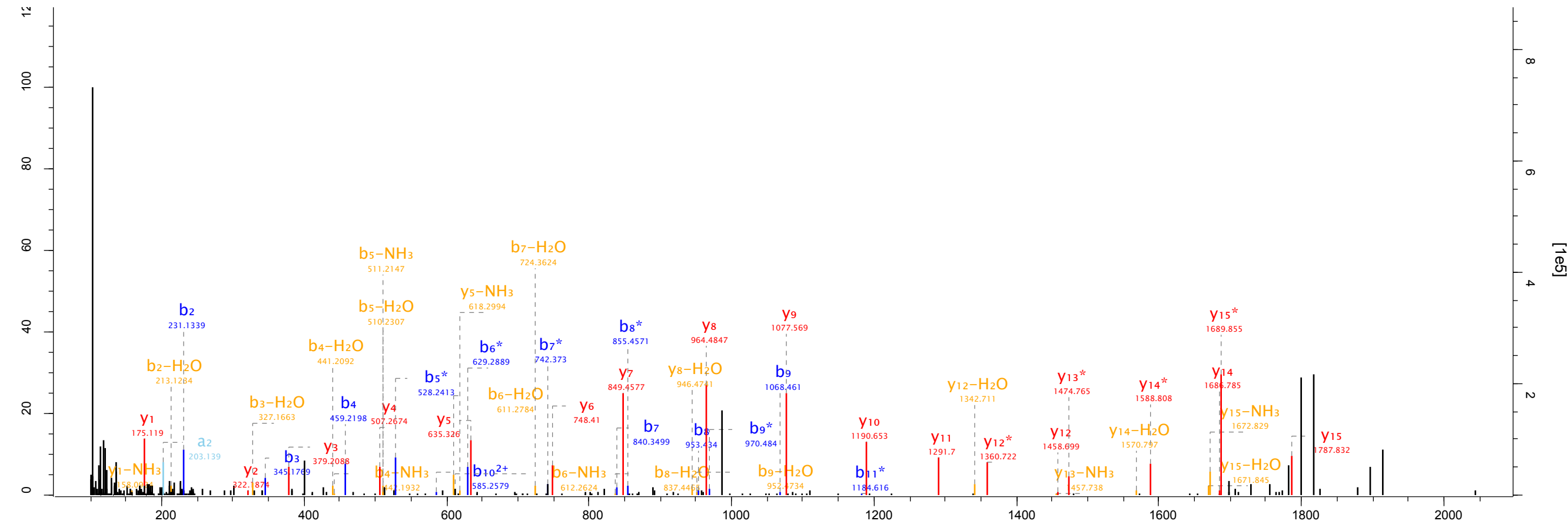


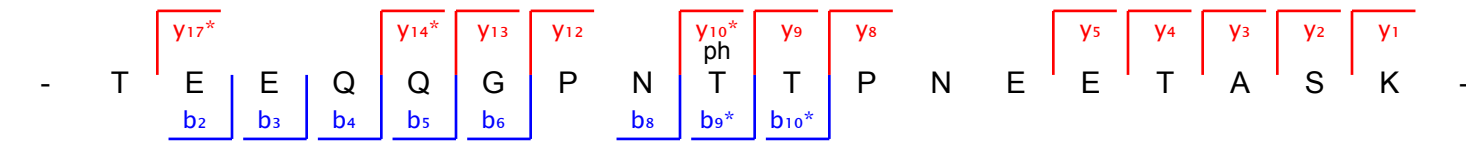
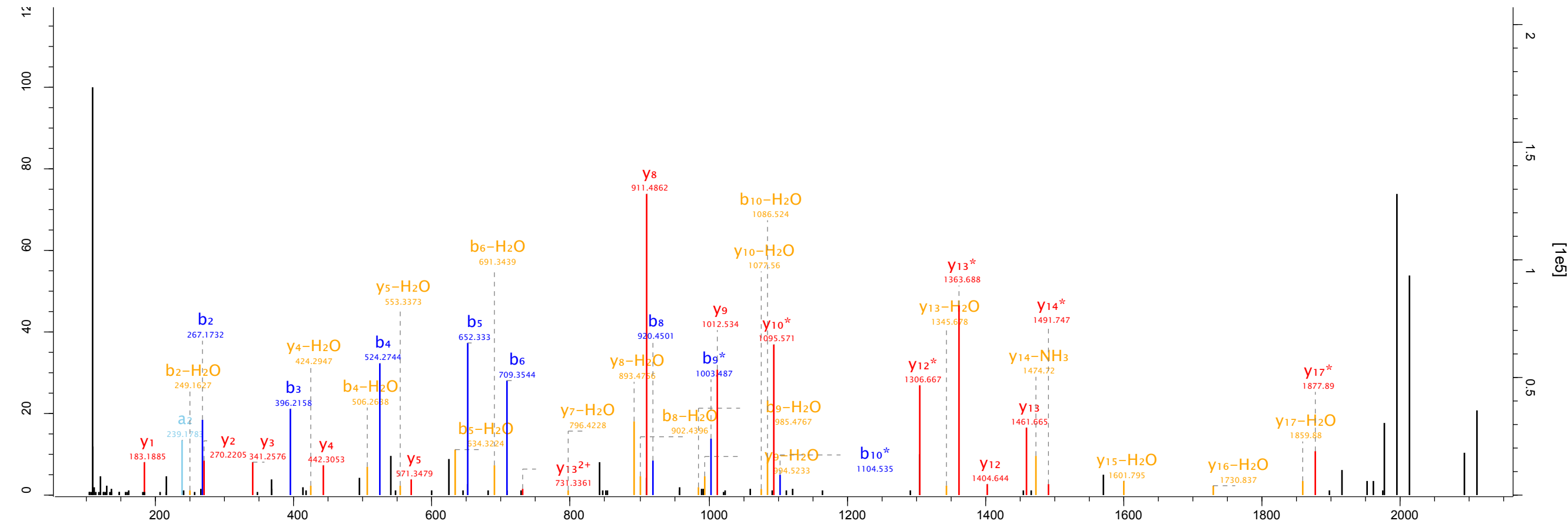
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M S N I Q E K I E Q E L A N A R -
b7 b8 b9 b10 b11 b12²⁺ y9 y8 y7 y6 y5 y4 y3 y2 y1

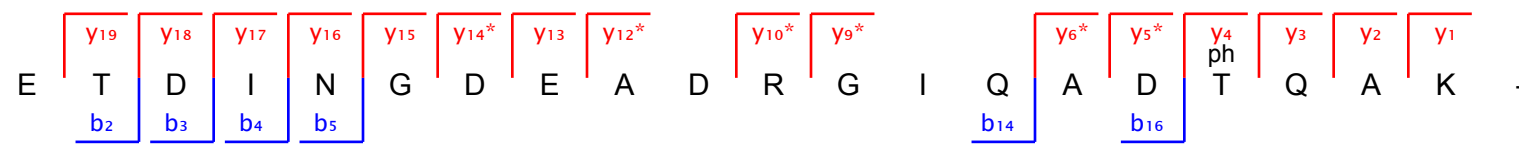
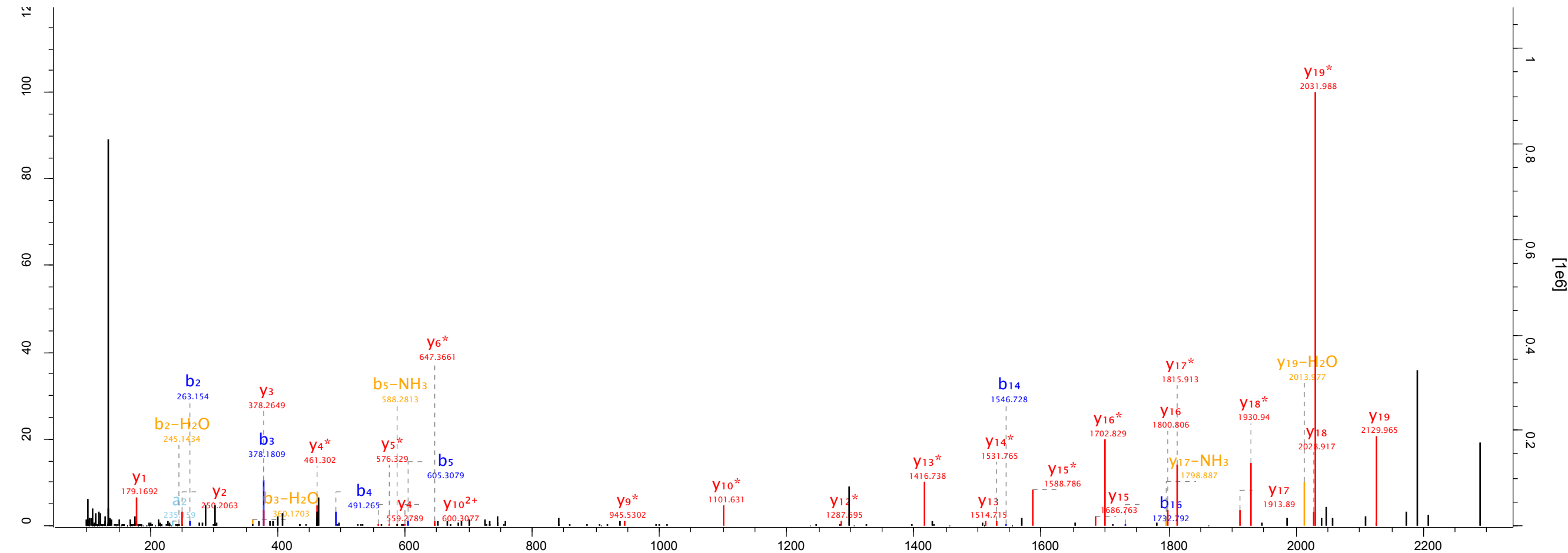


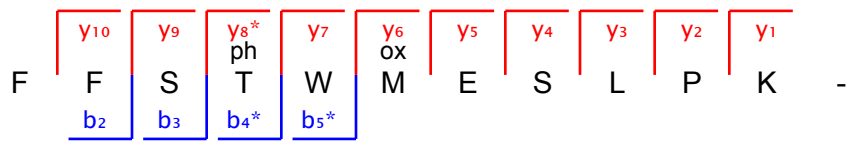
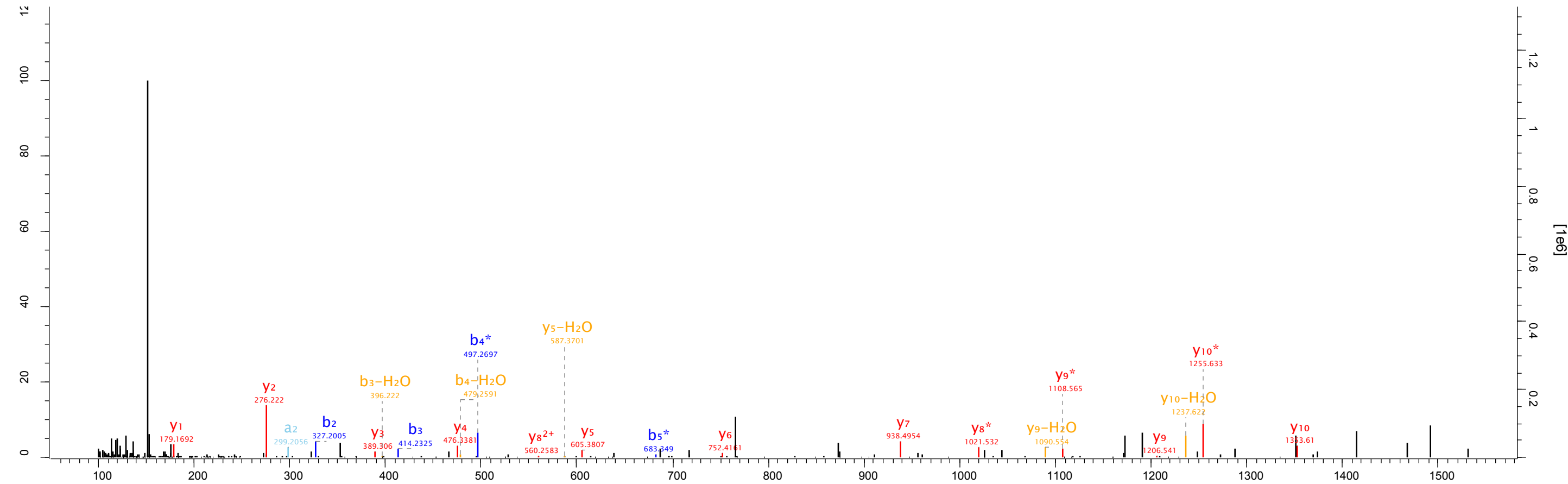


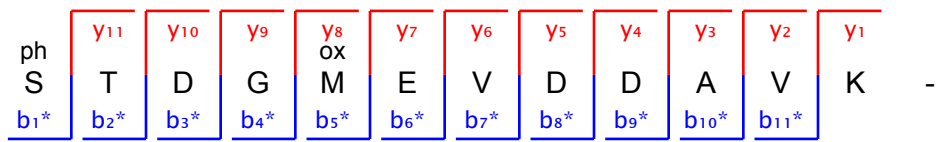
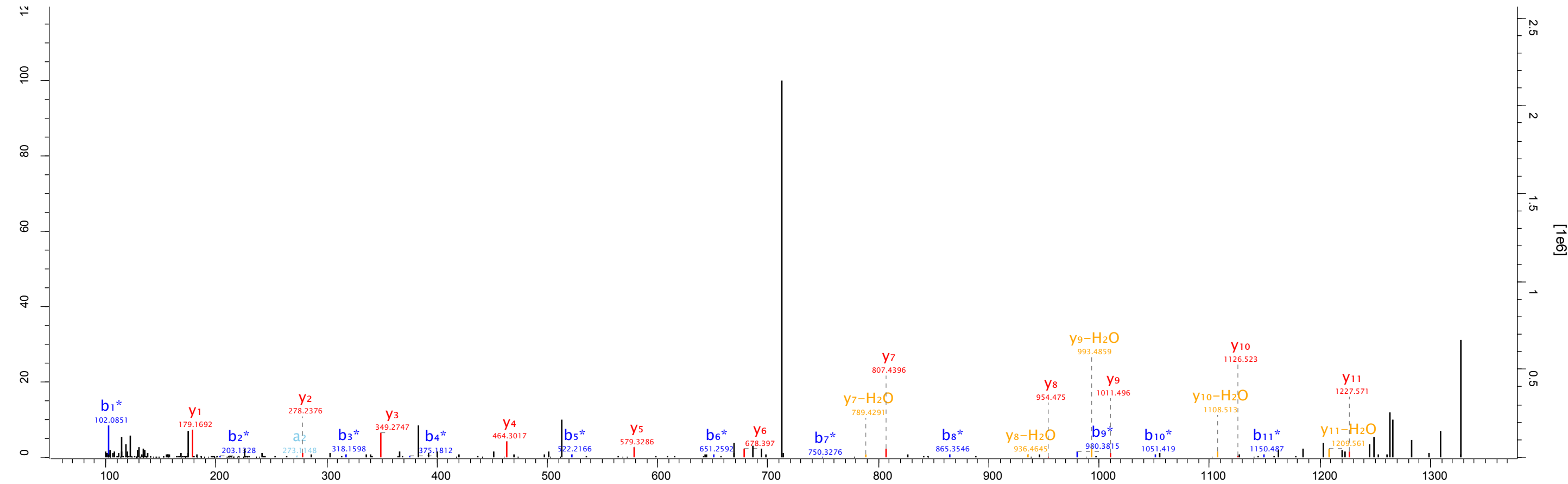


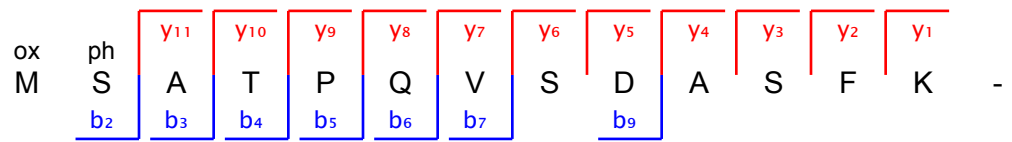
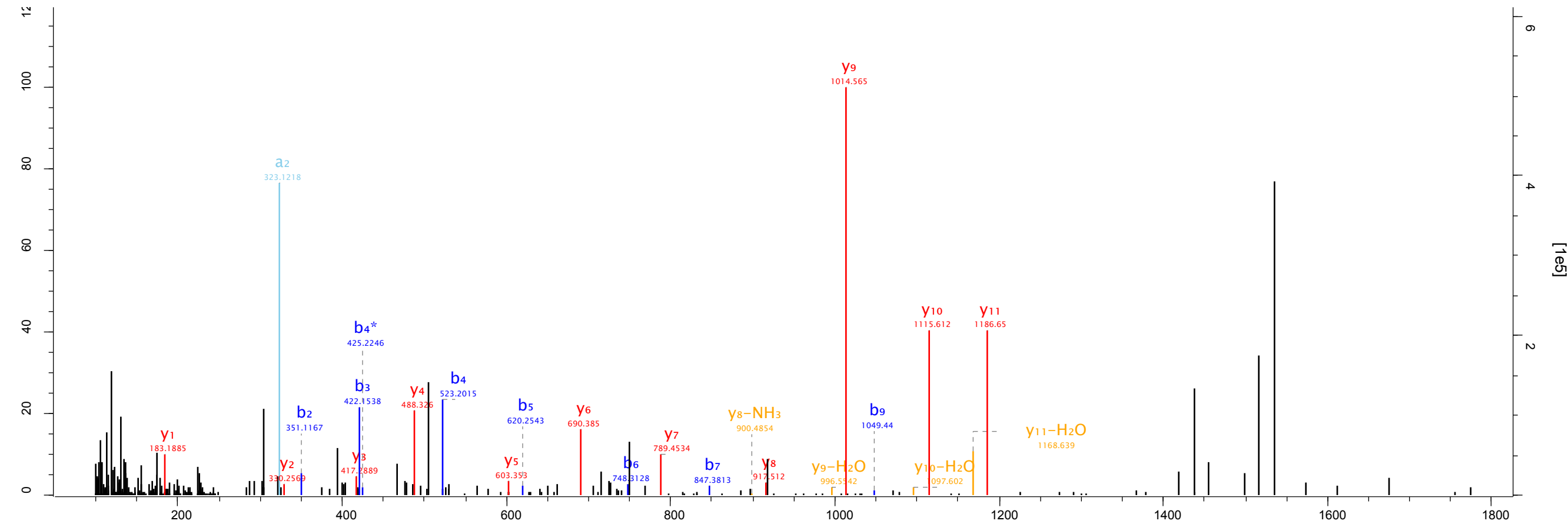


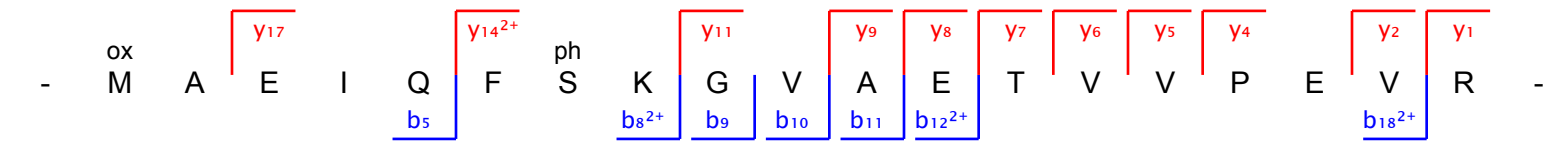
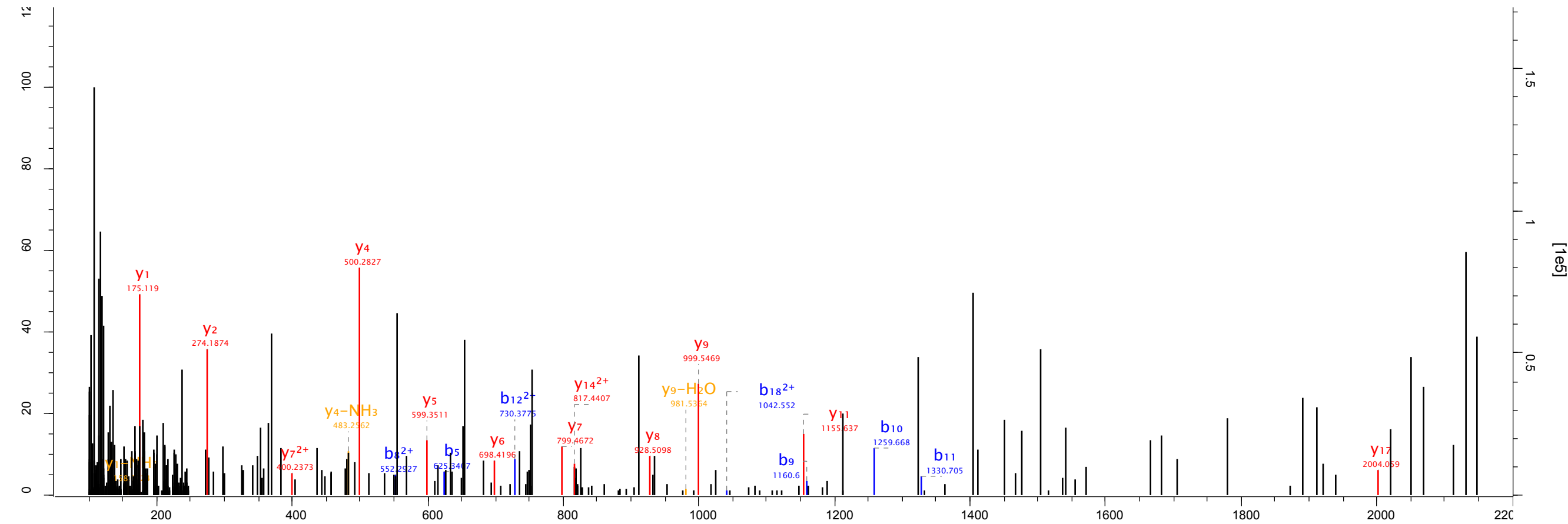


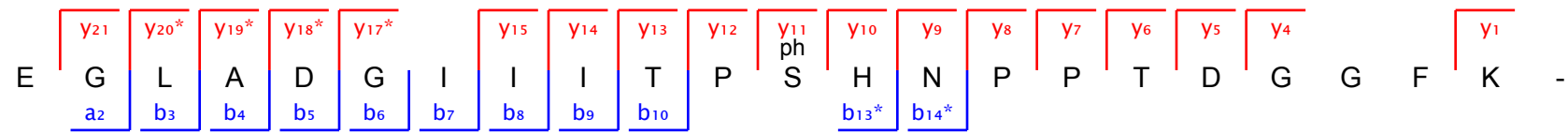
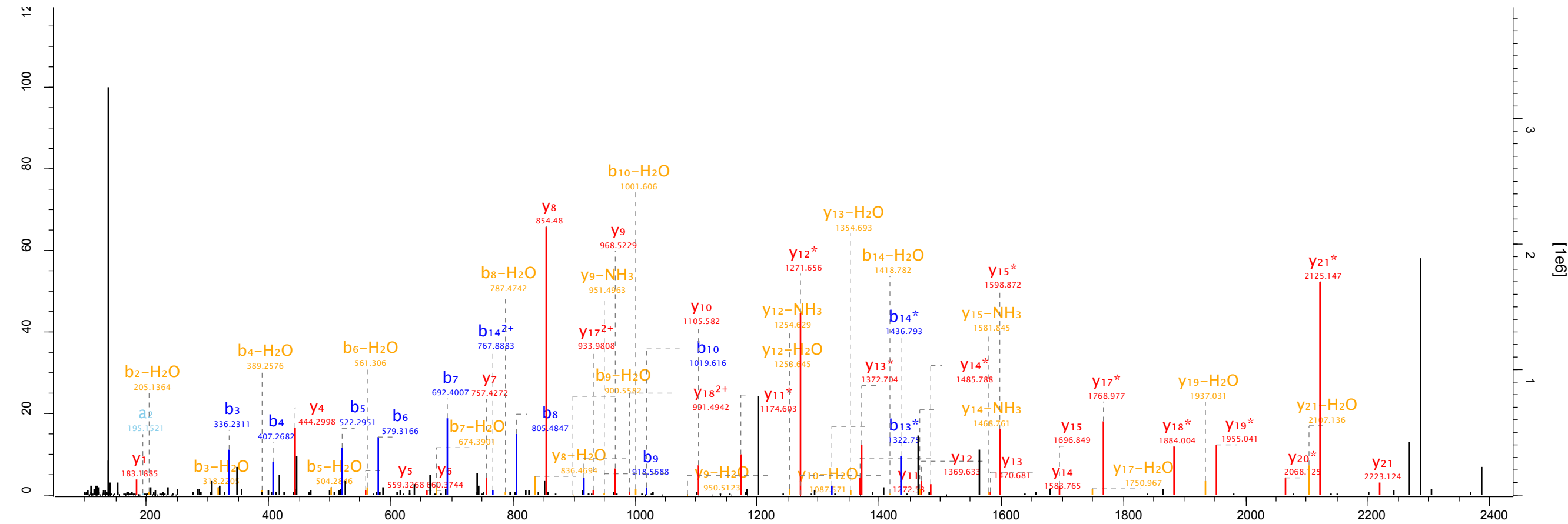


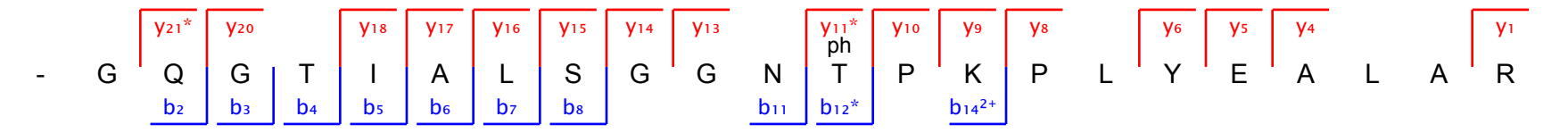
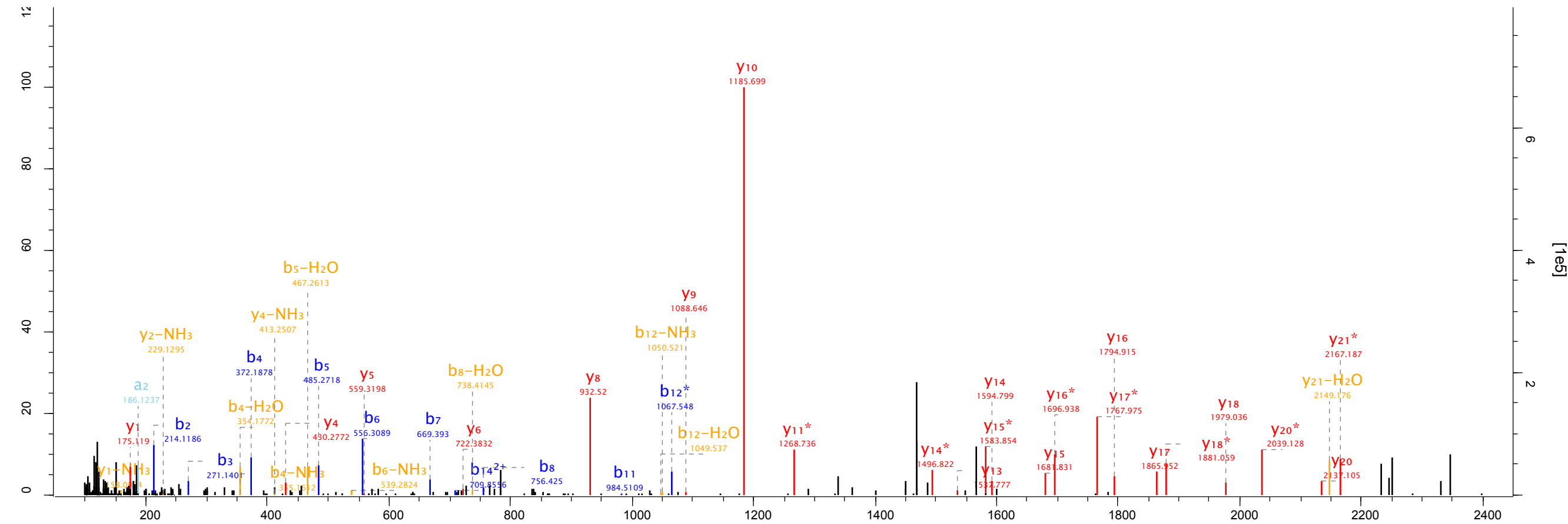


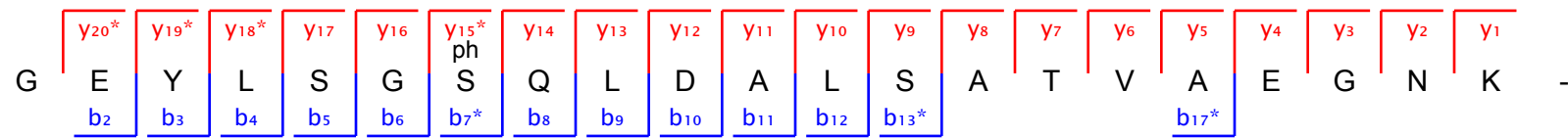
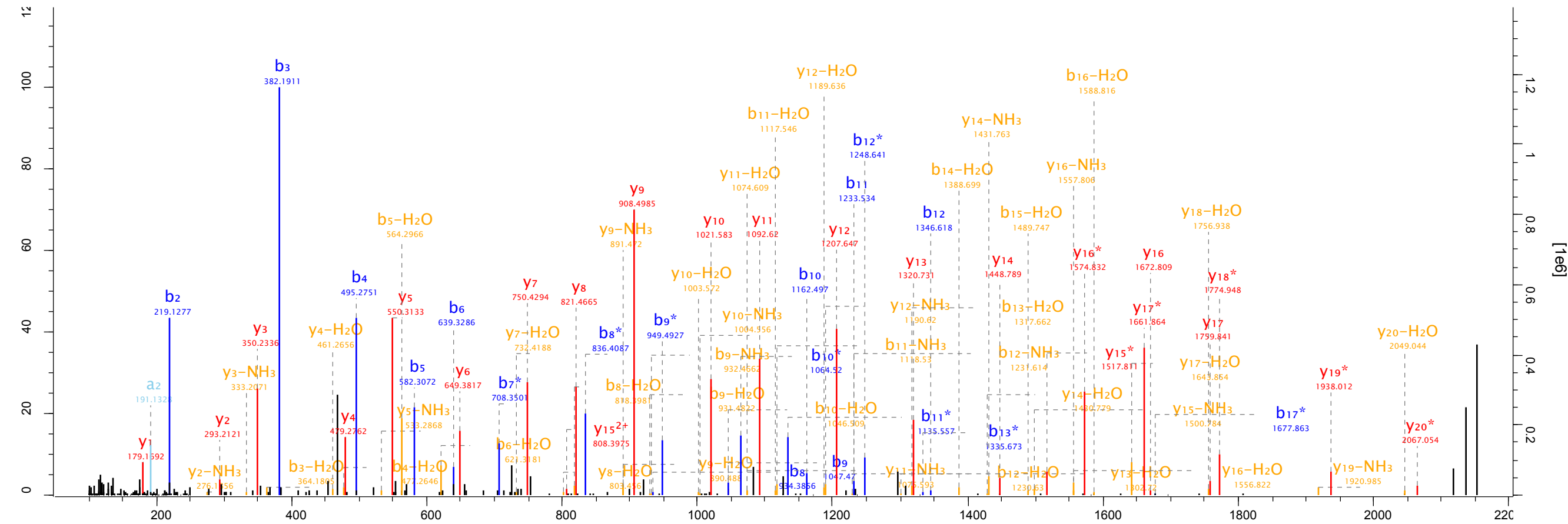


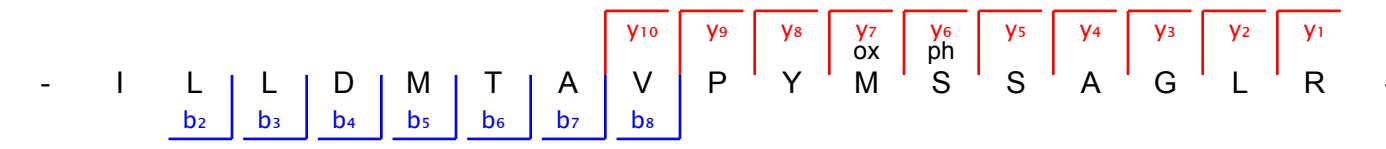
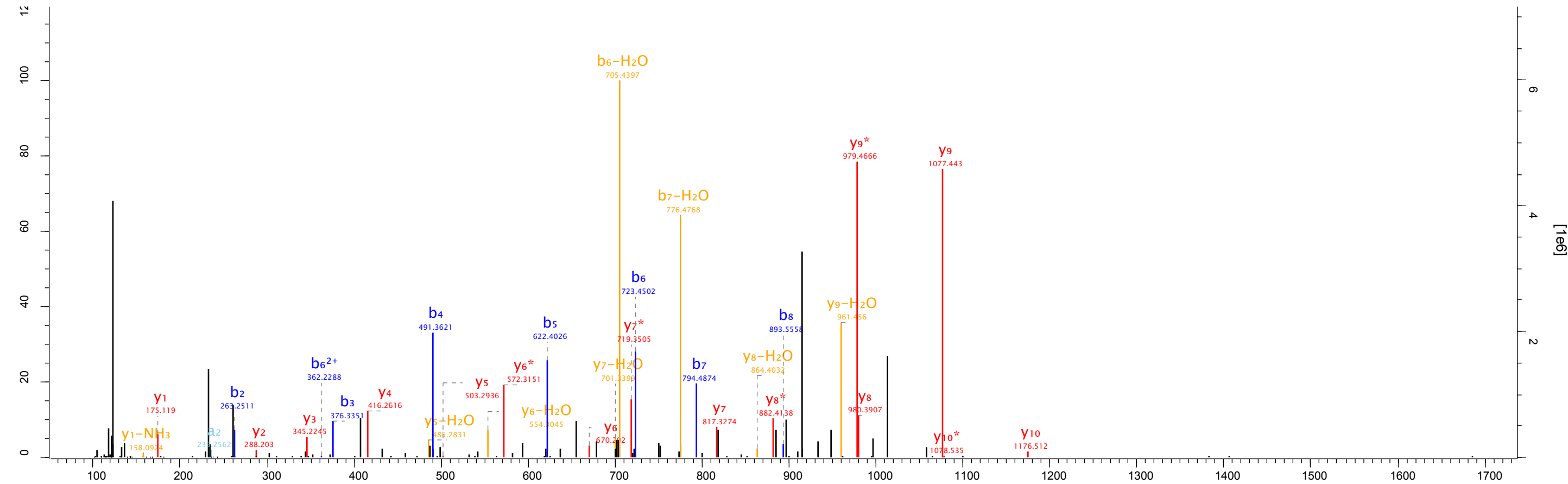


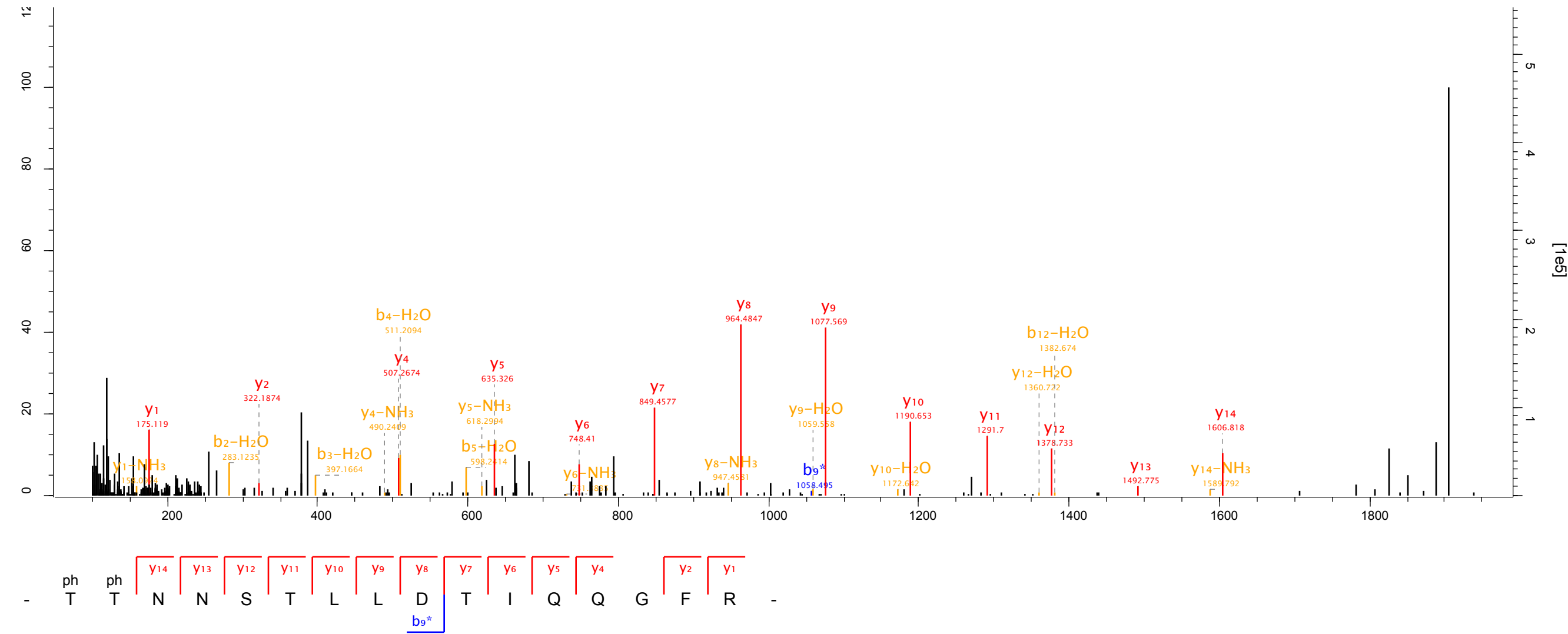


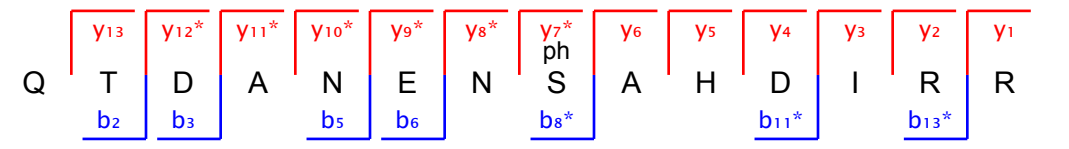
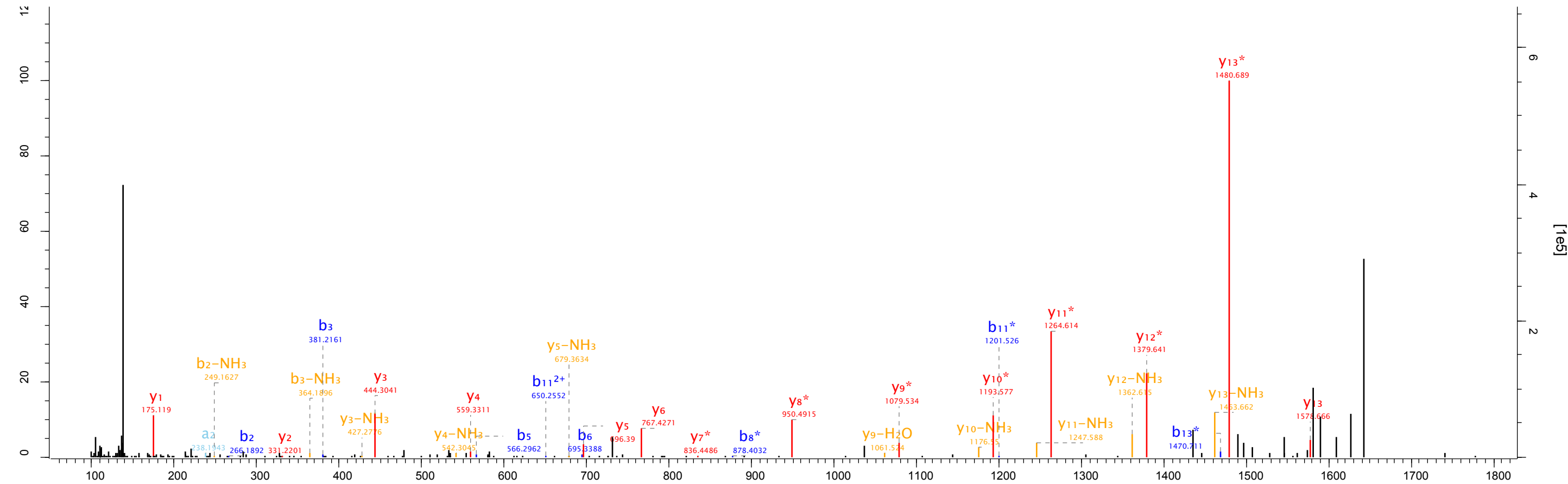


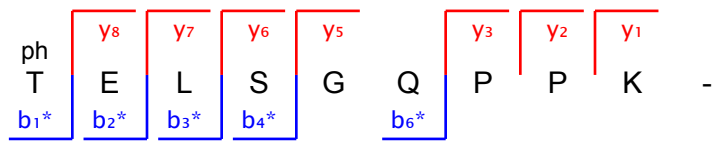
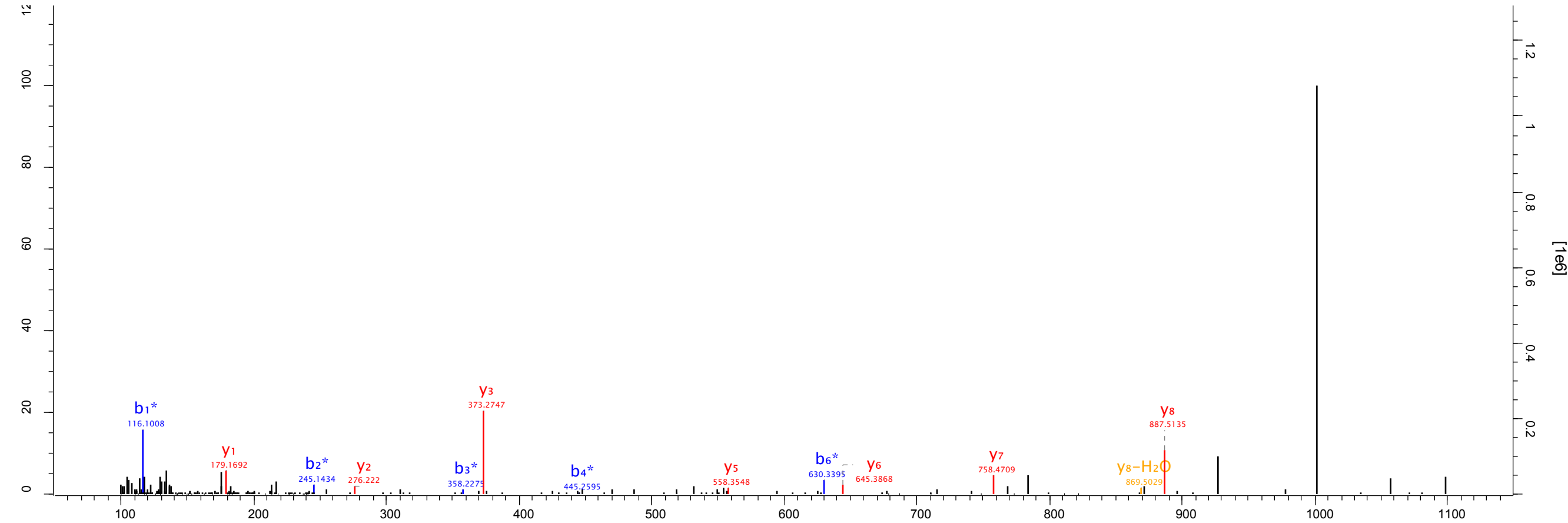


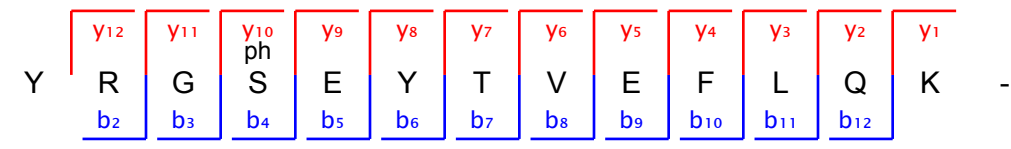
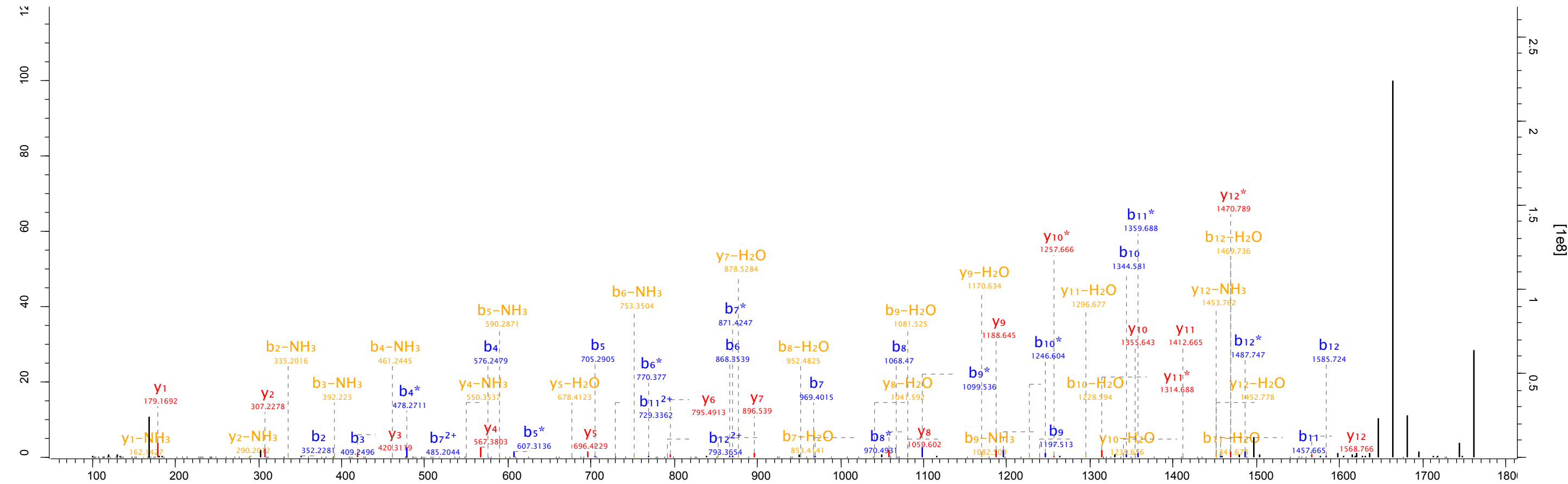


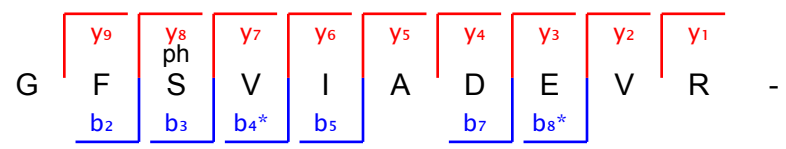
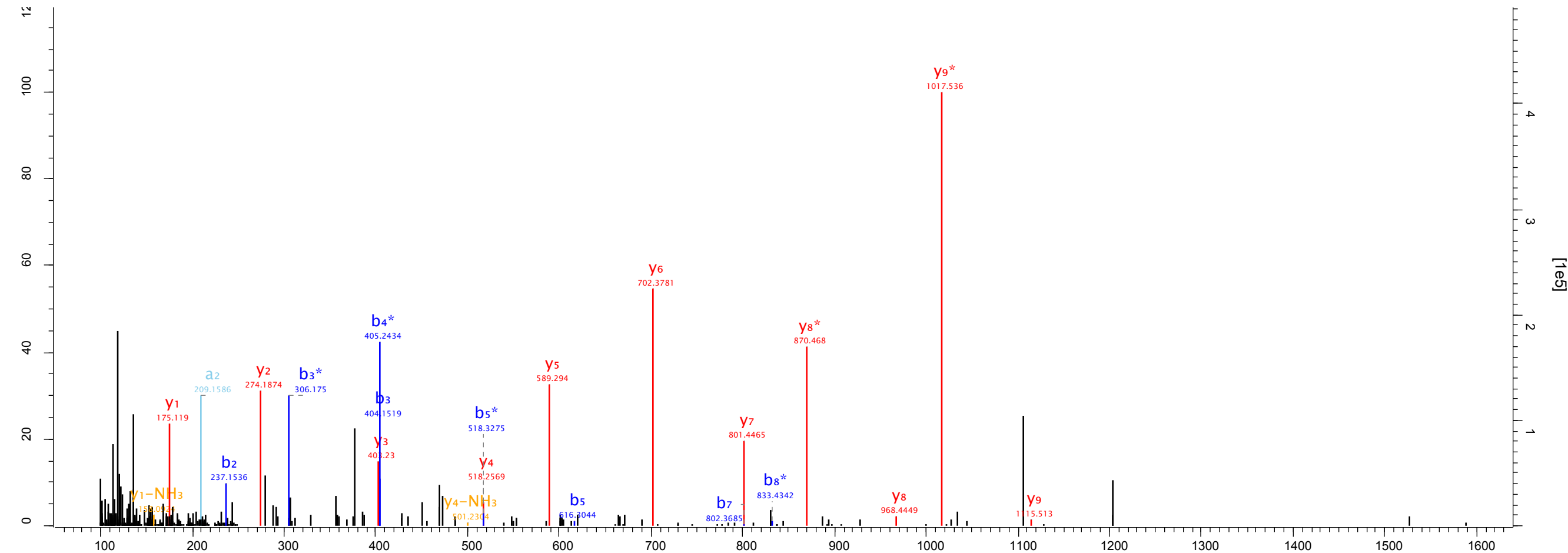


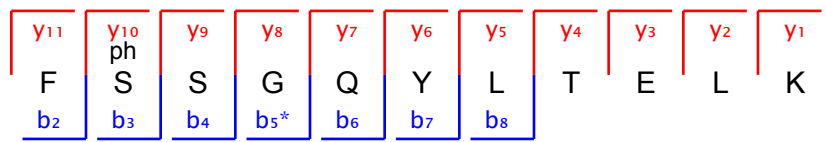
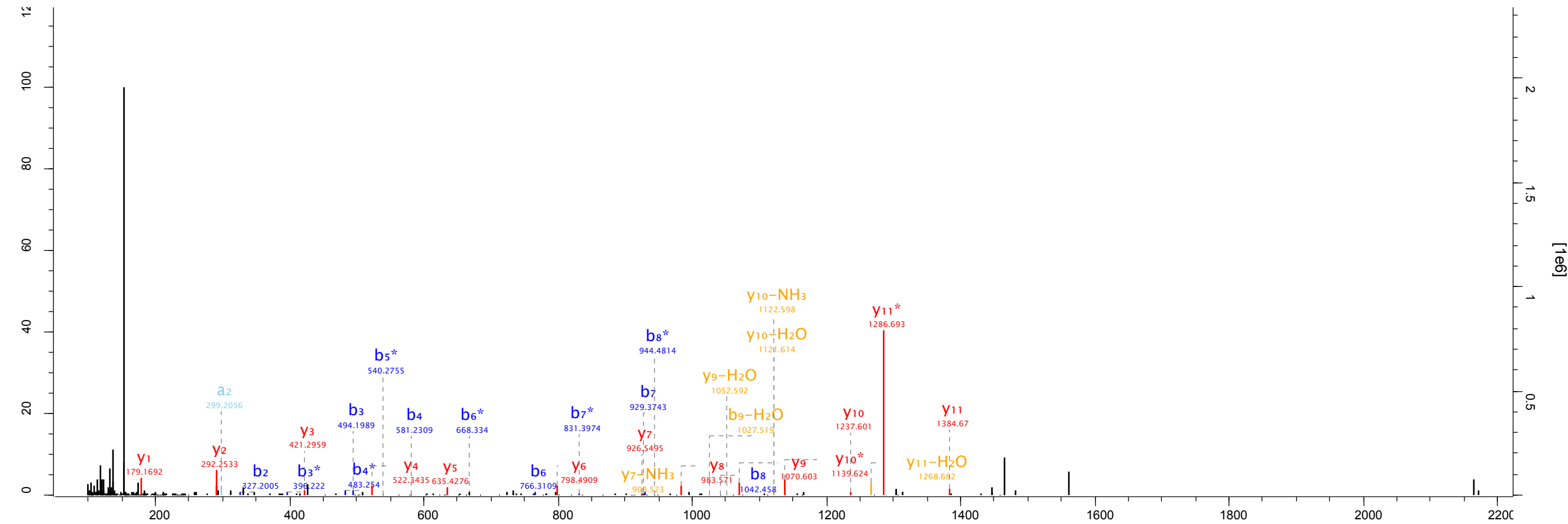


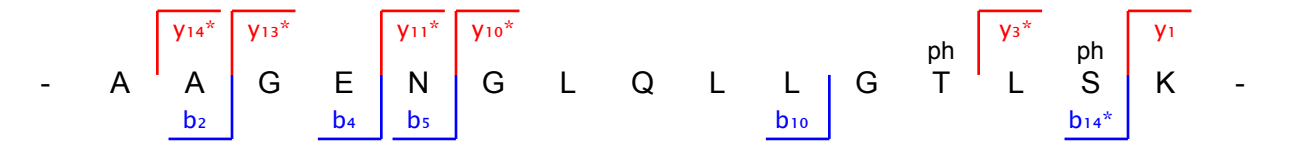
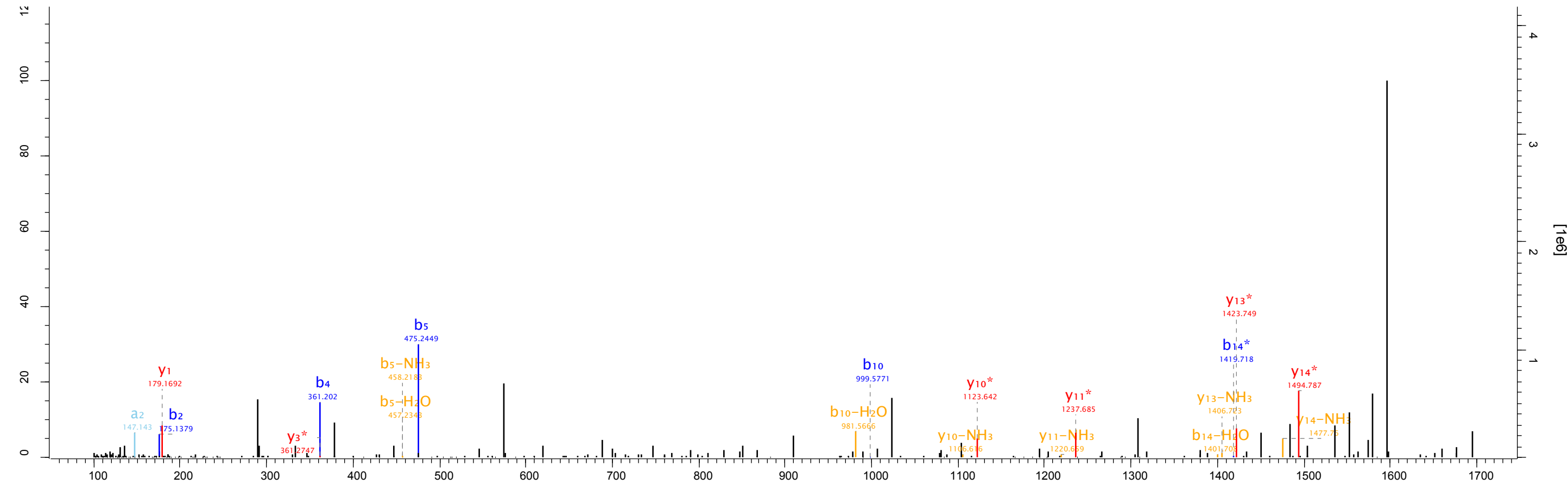


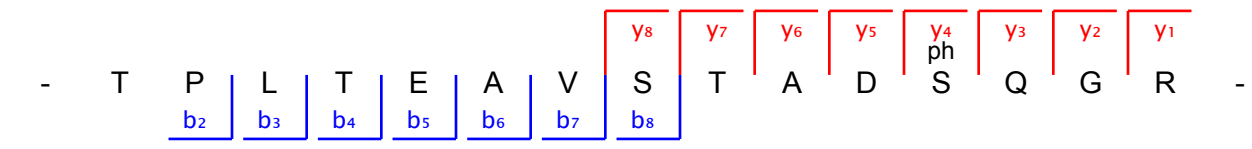
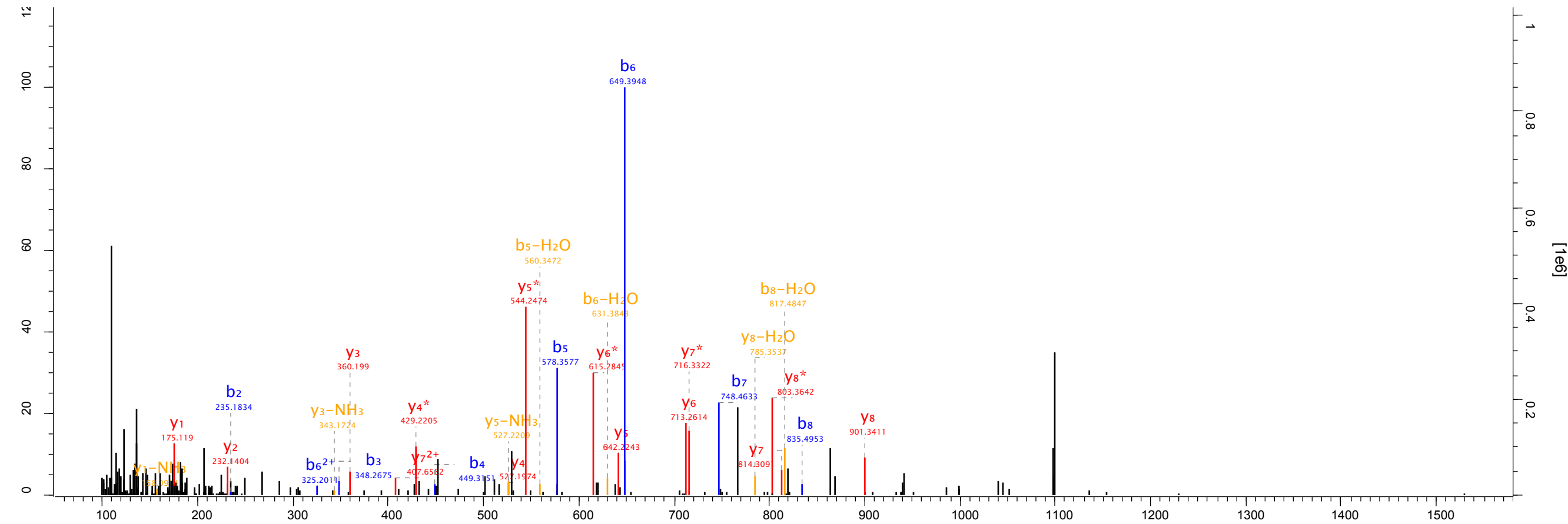


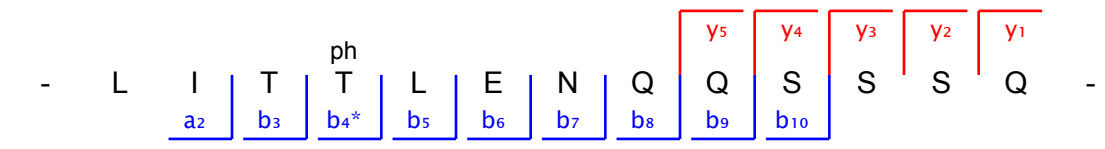
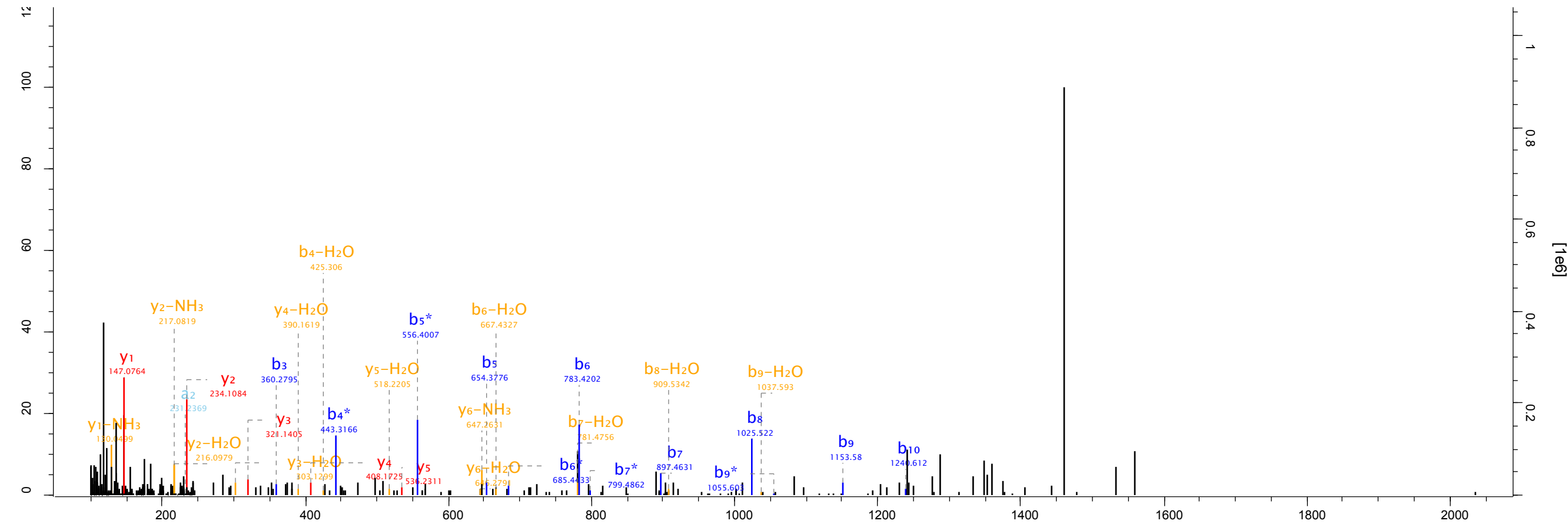


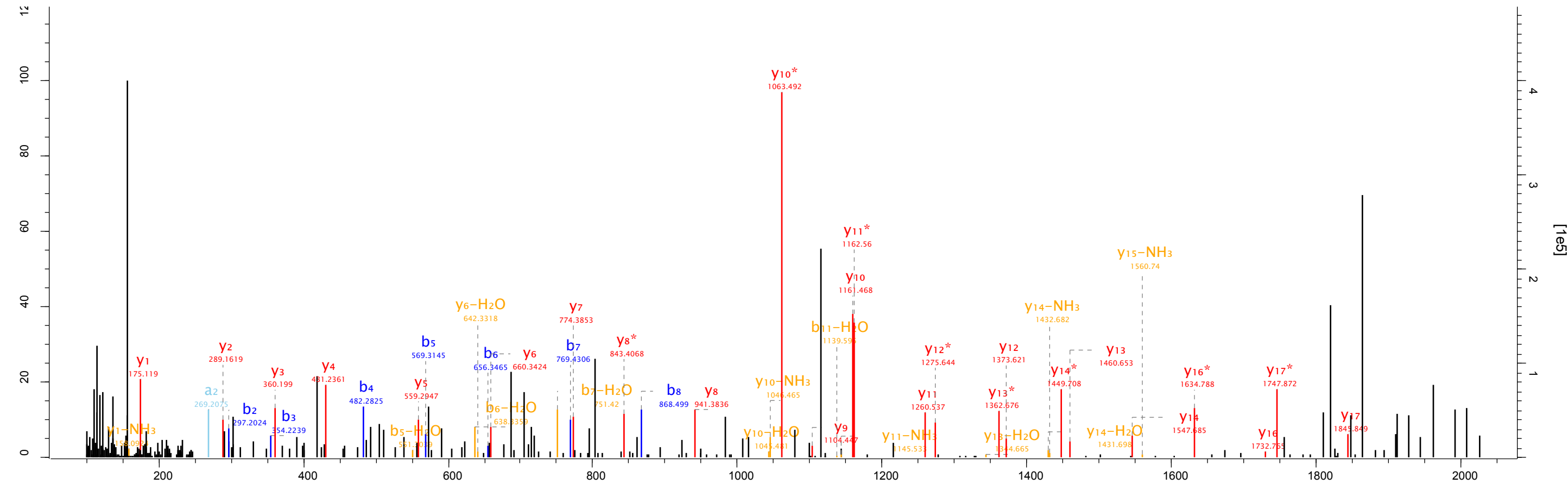






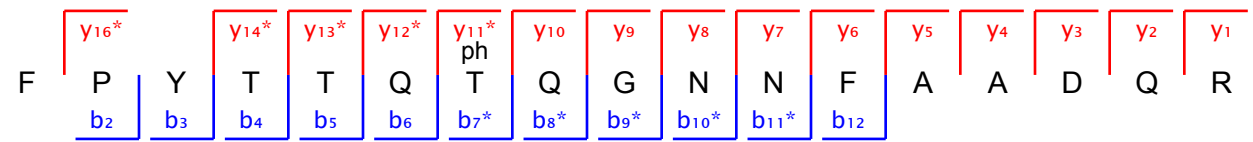
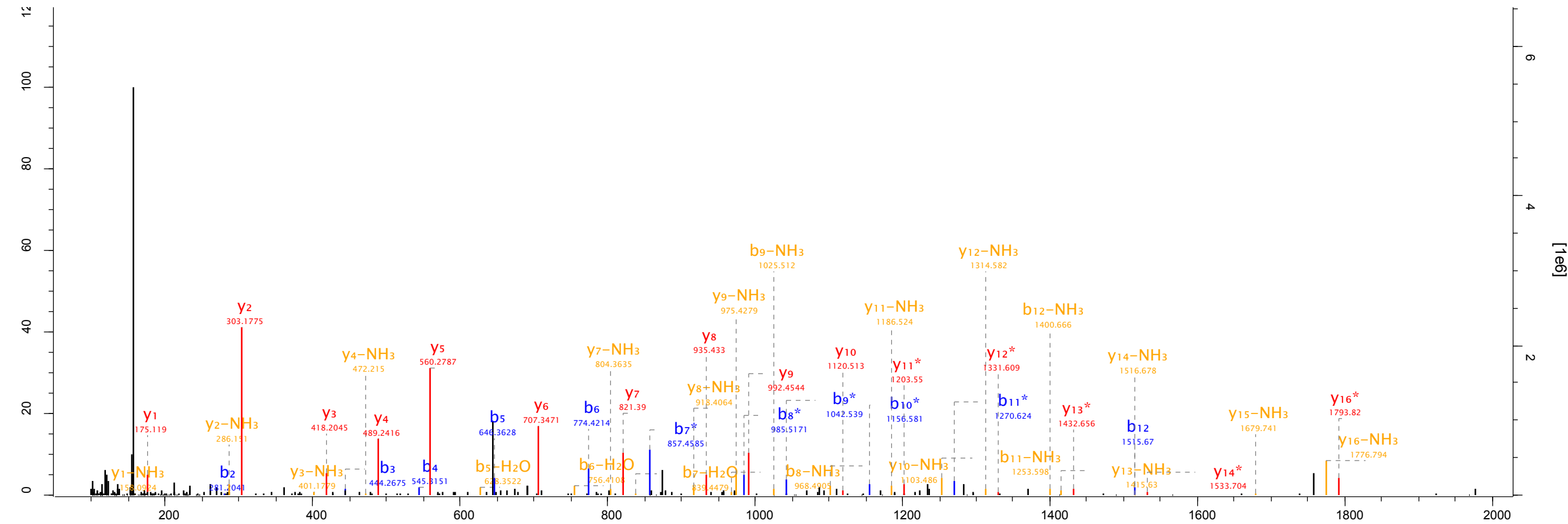


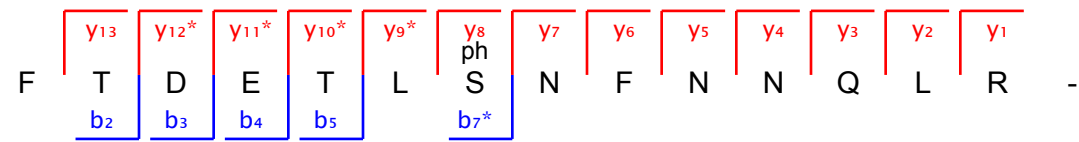
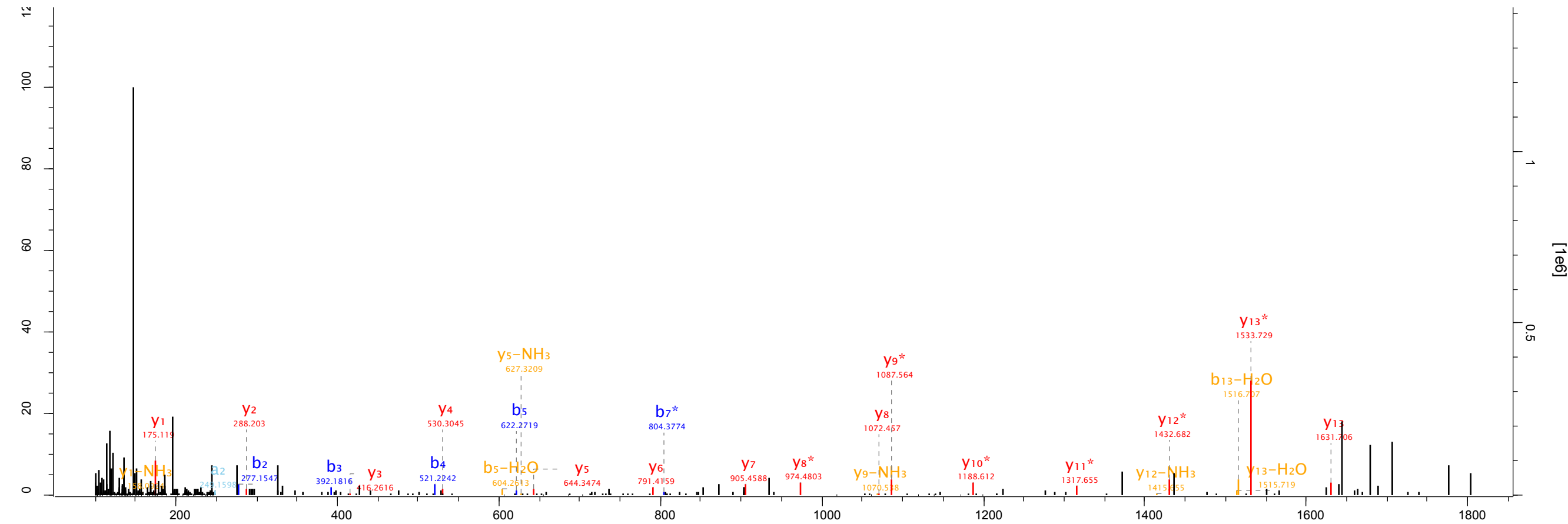


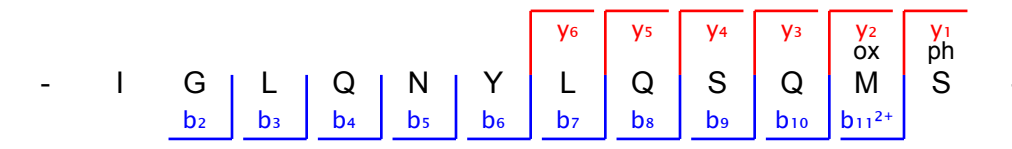
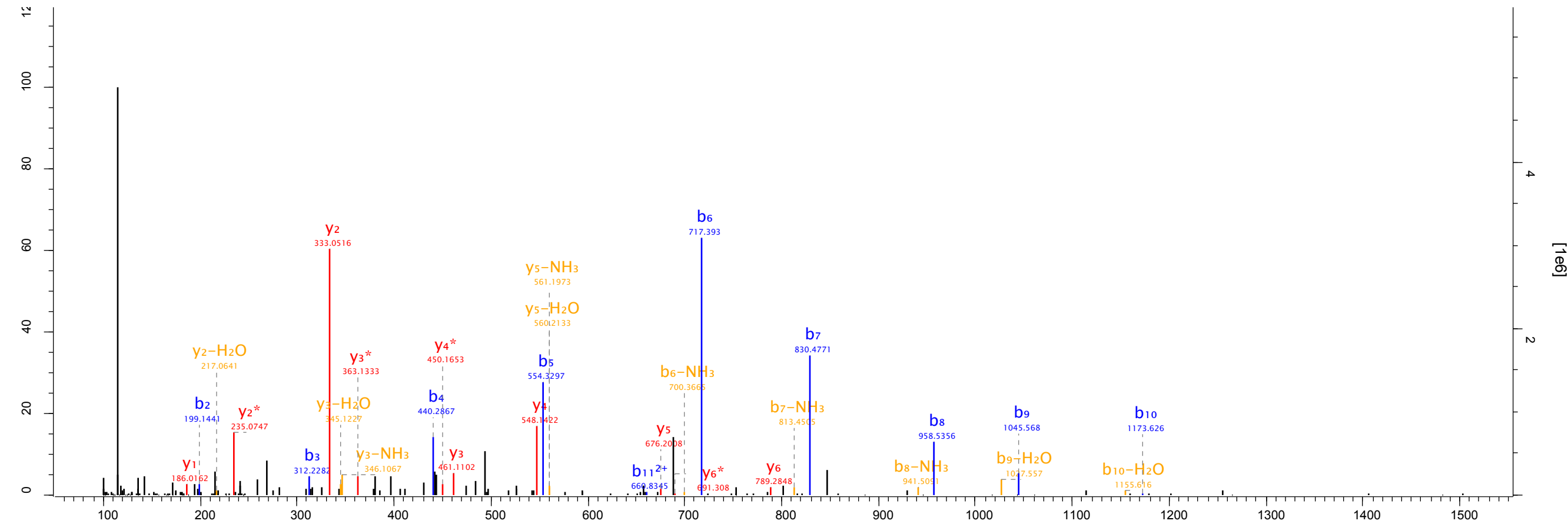


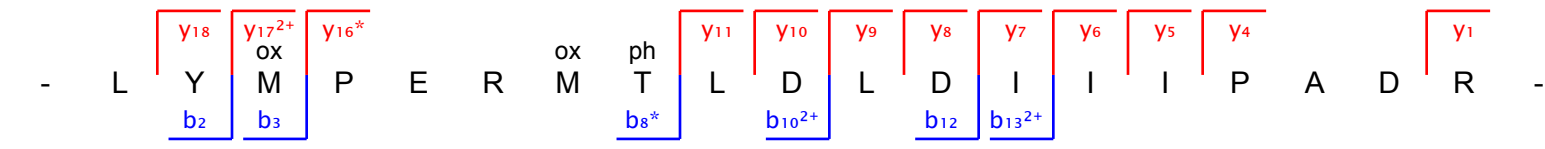
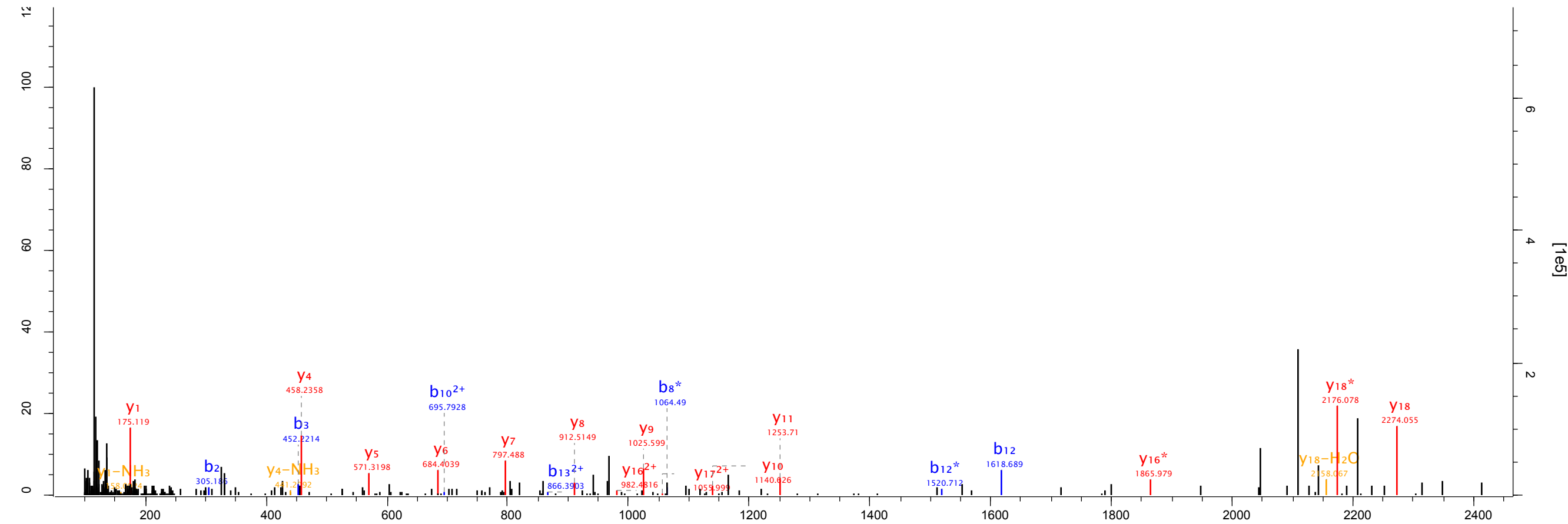
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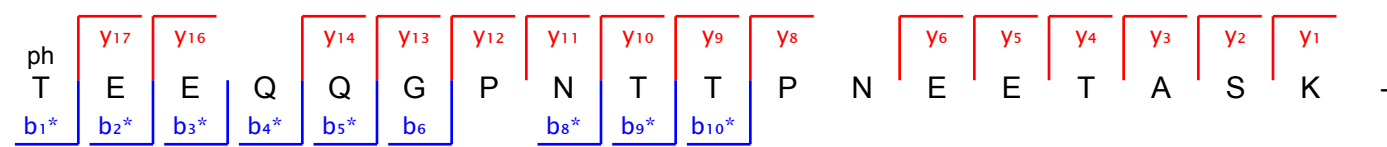
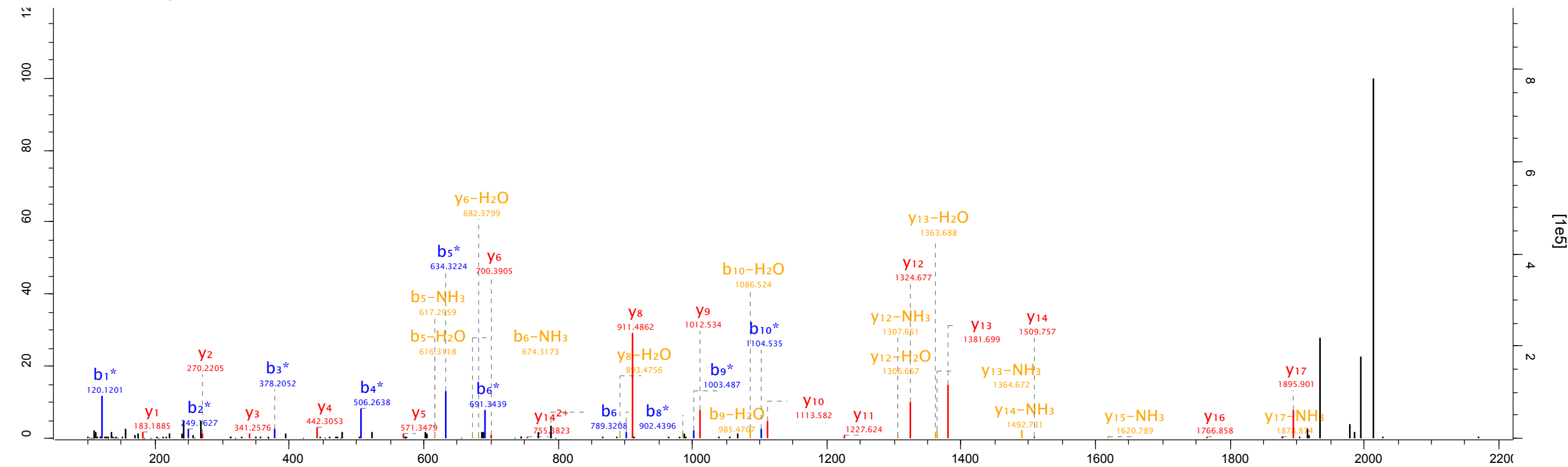
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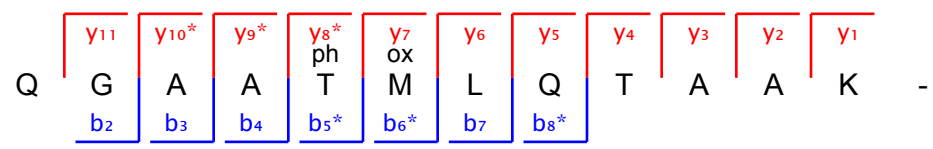
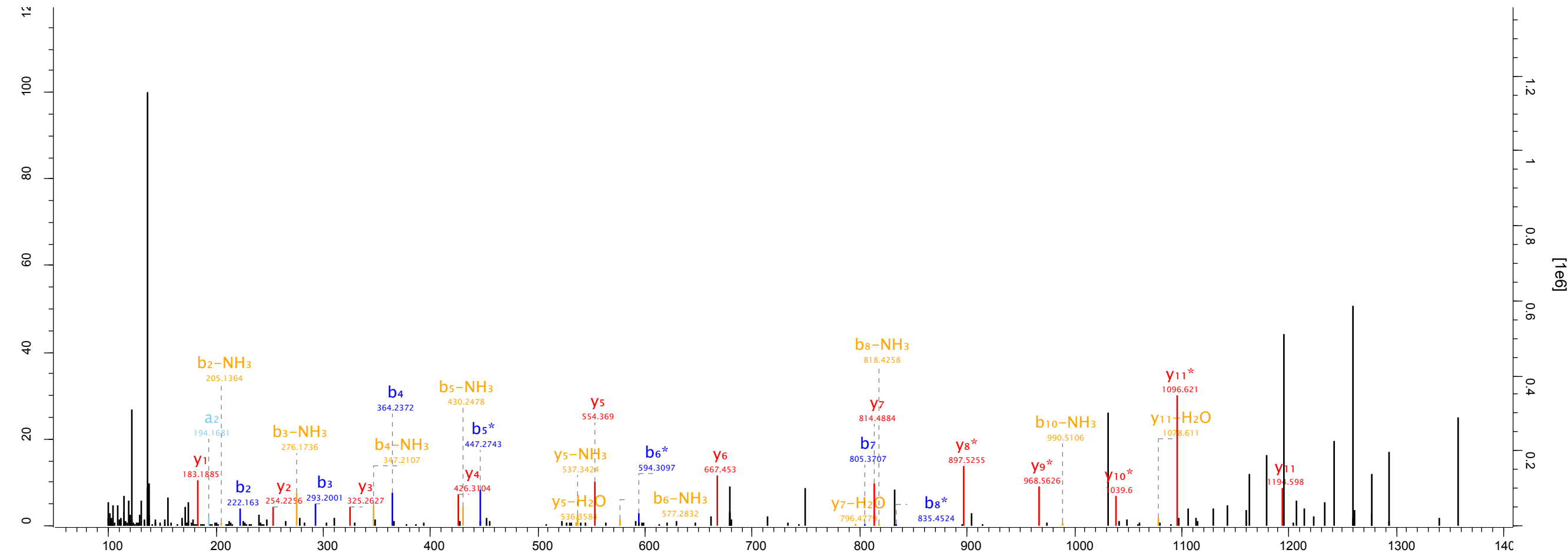


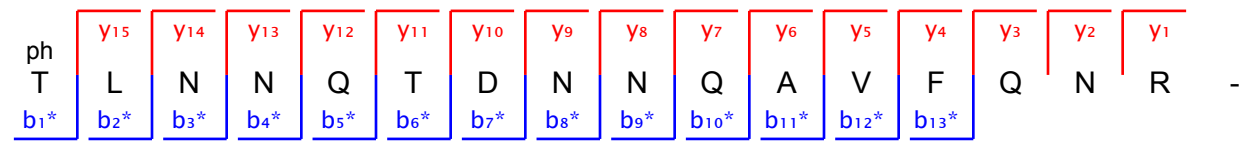
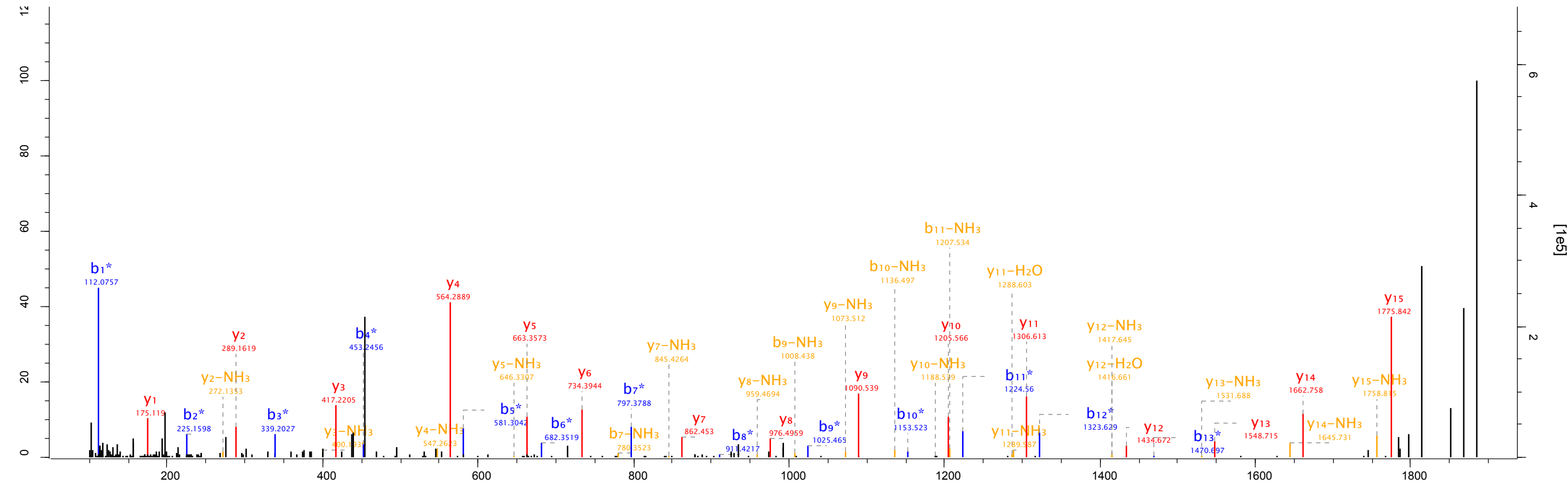


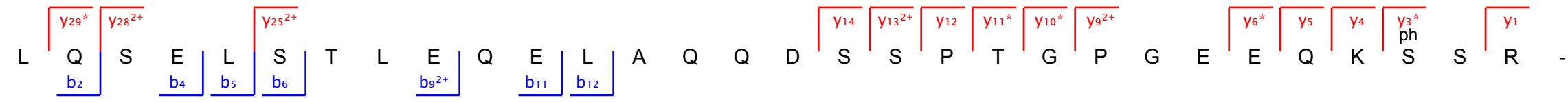
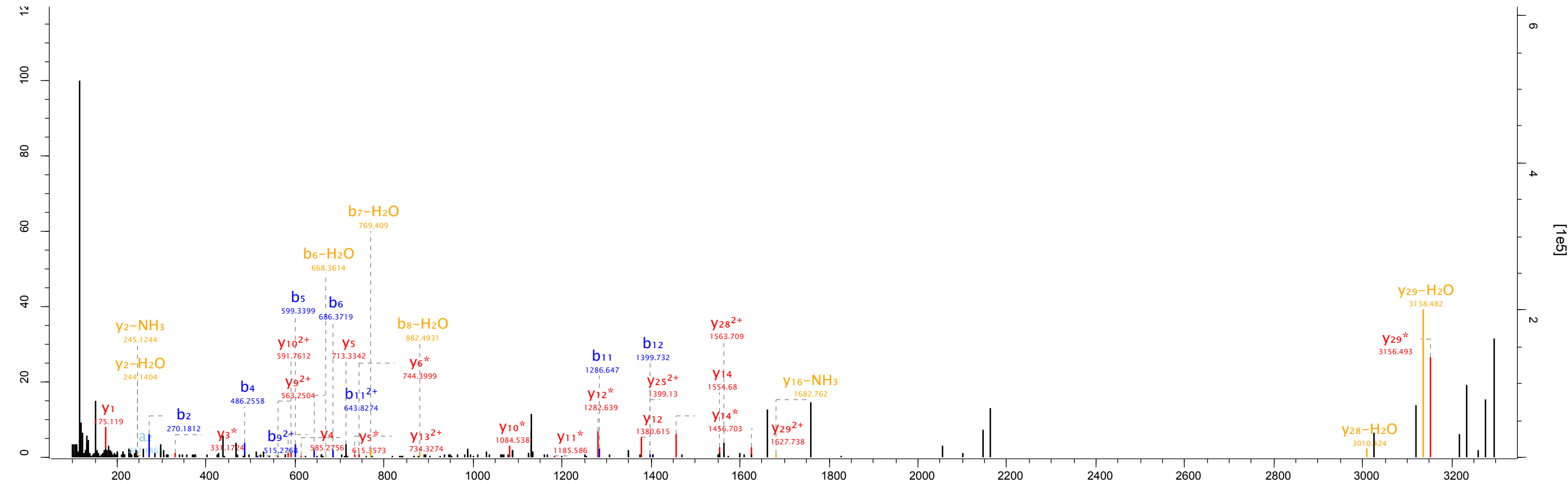




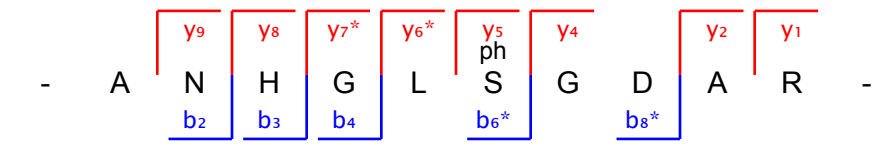
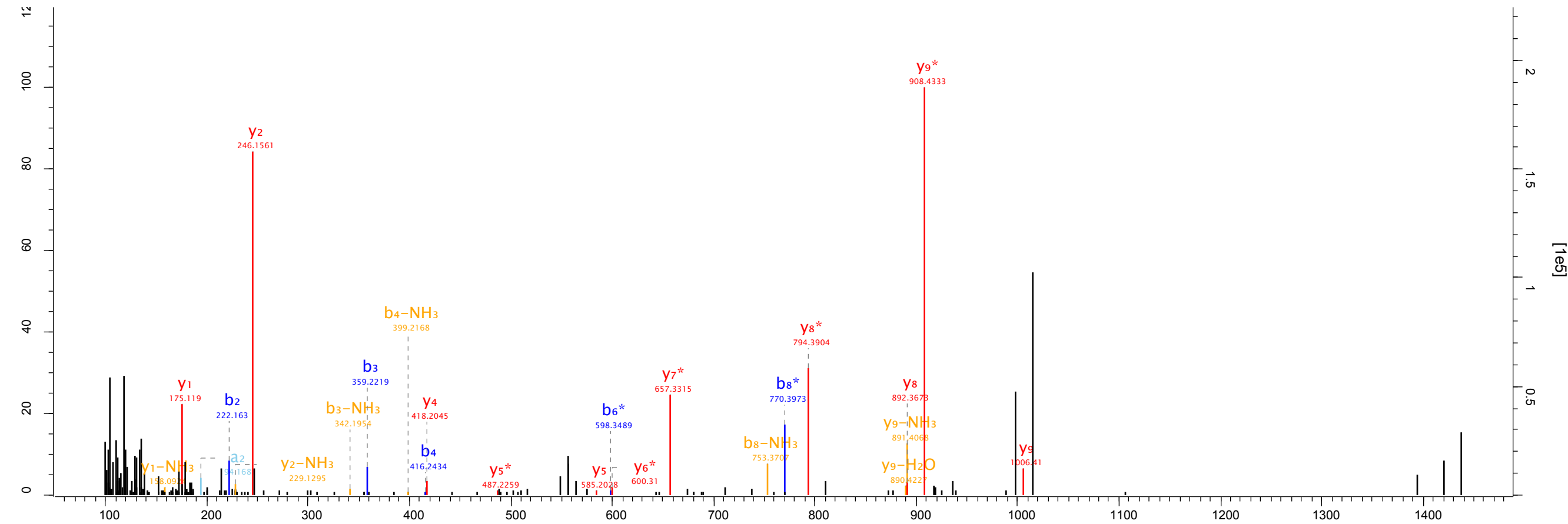


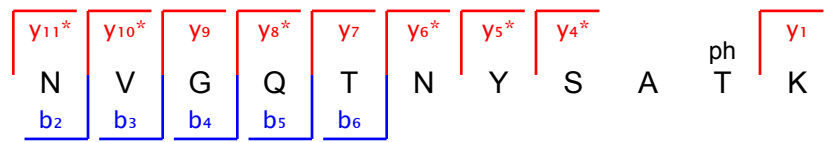
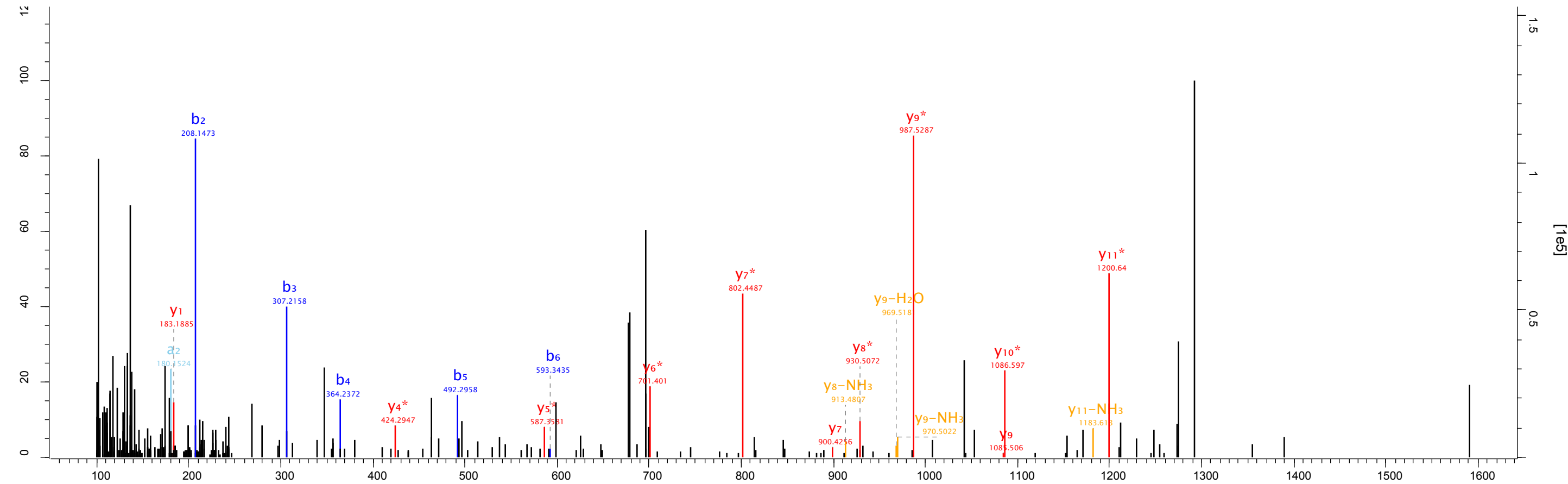


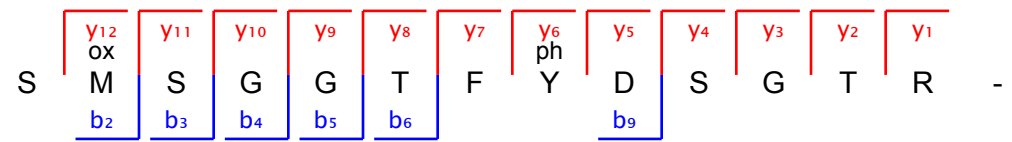
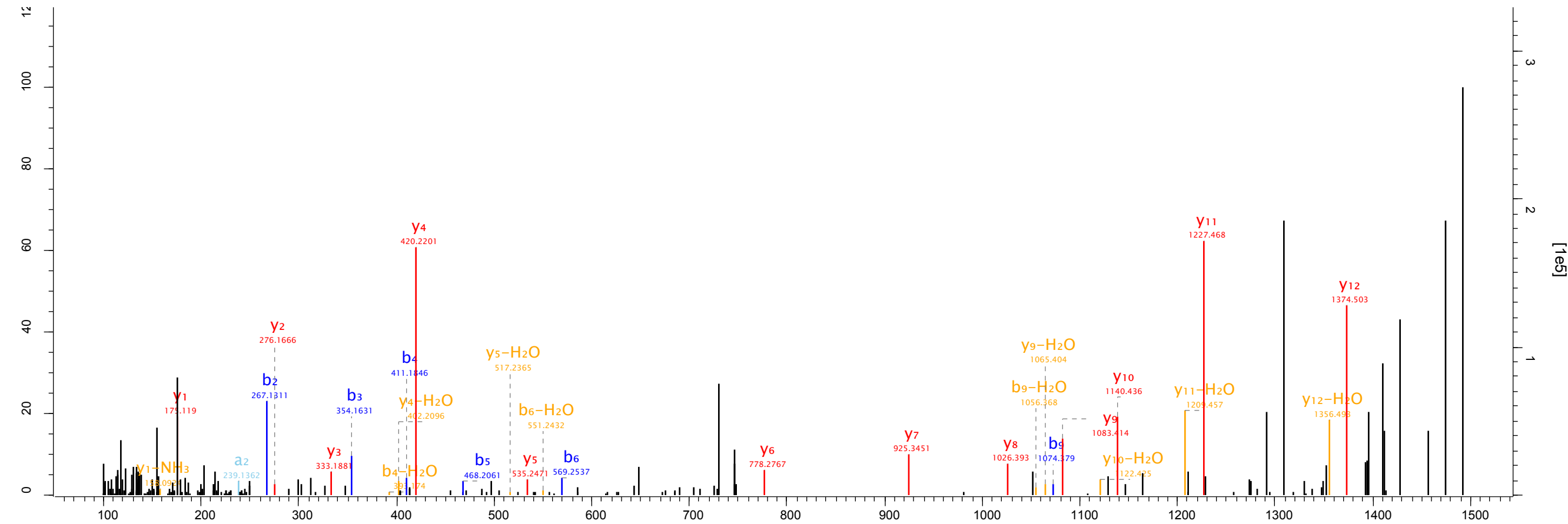


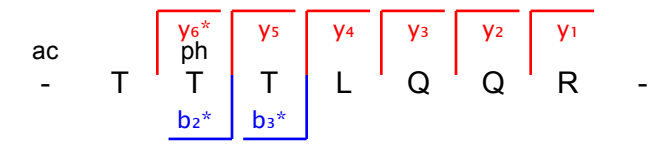
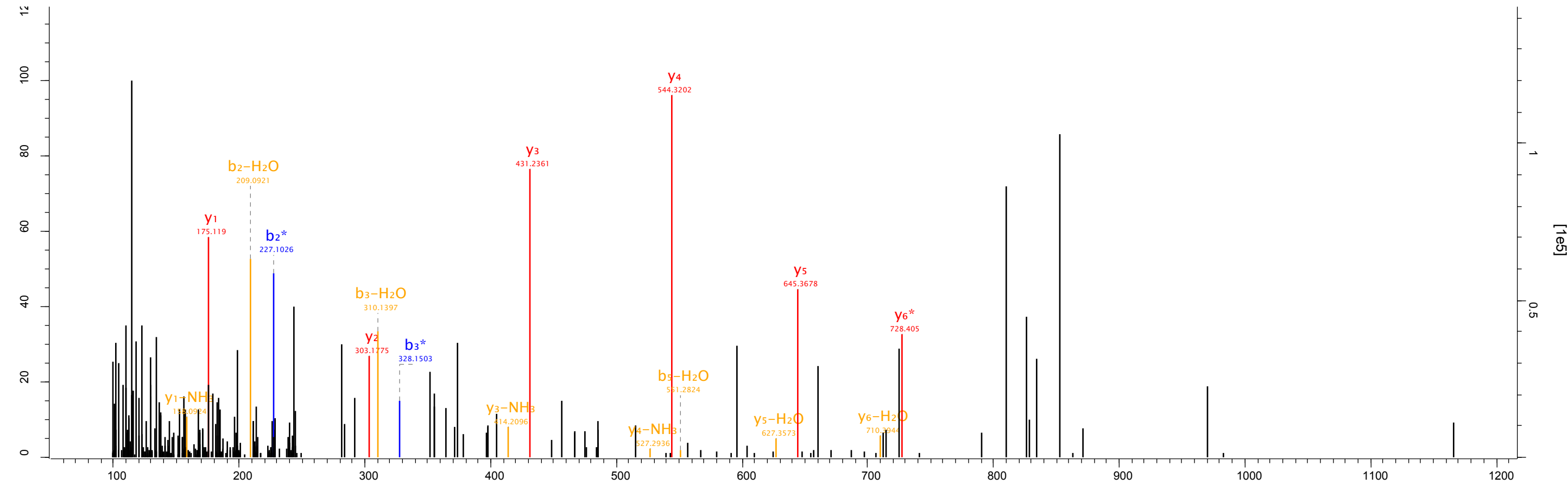


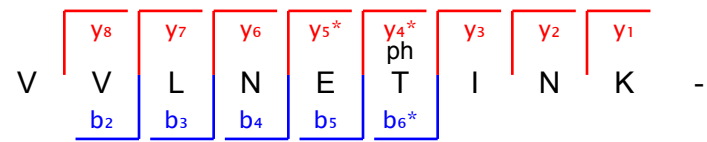
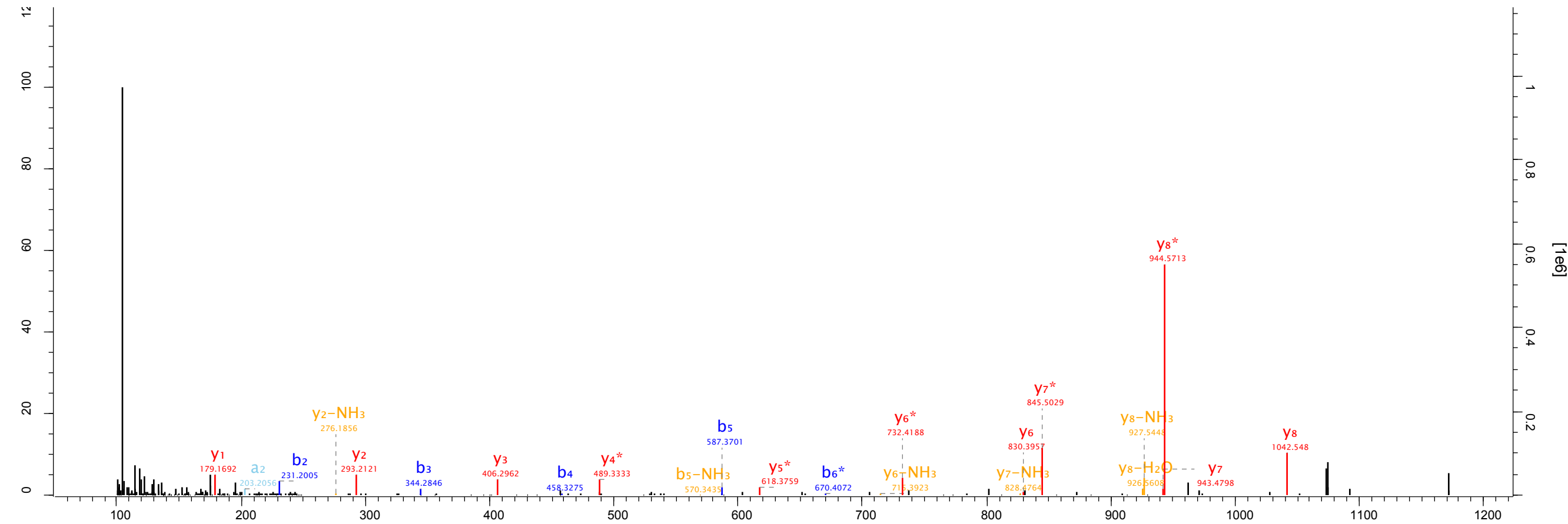
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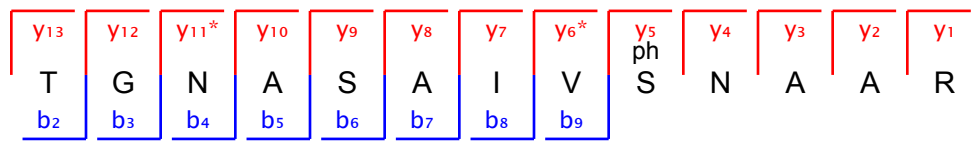
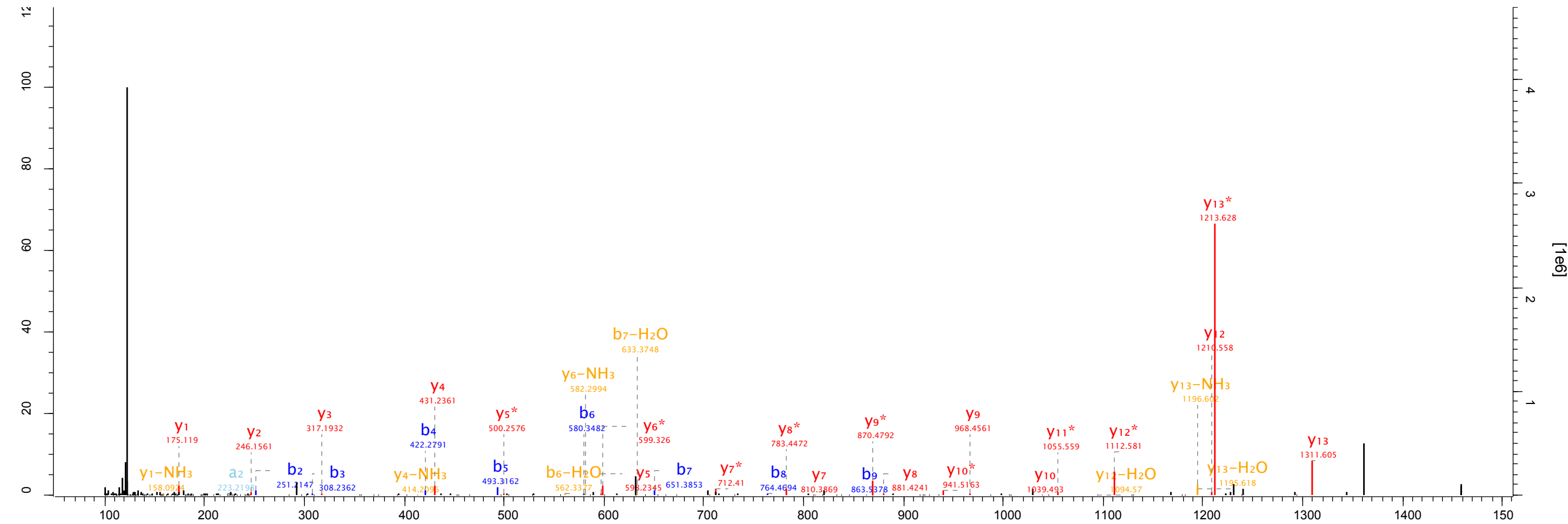


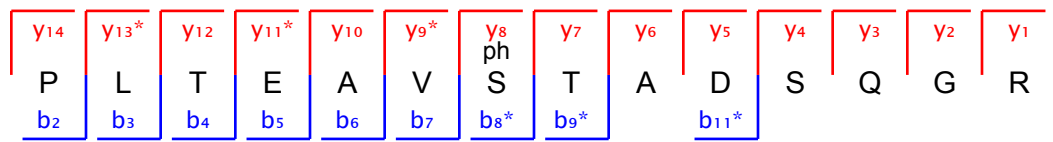
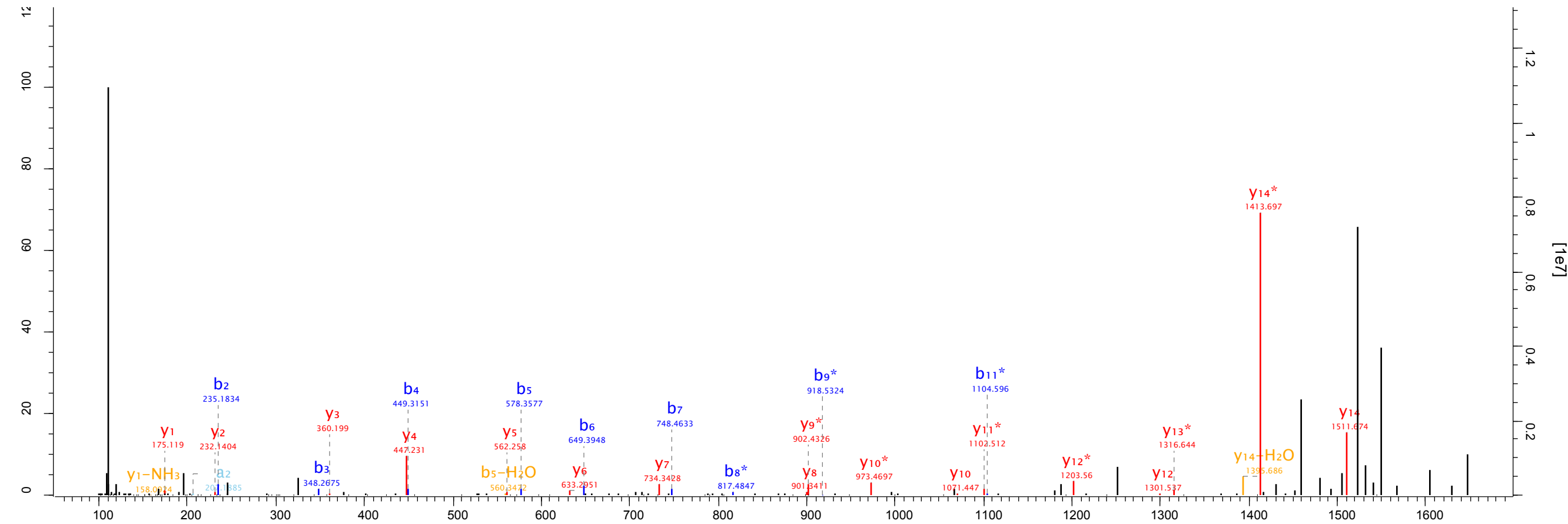


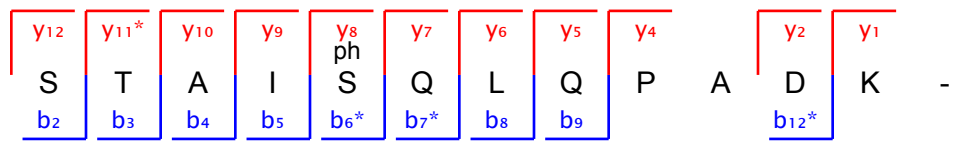
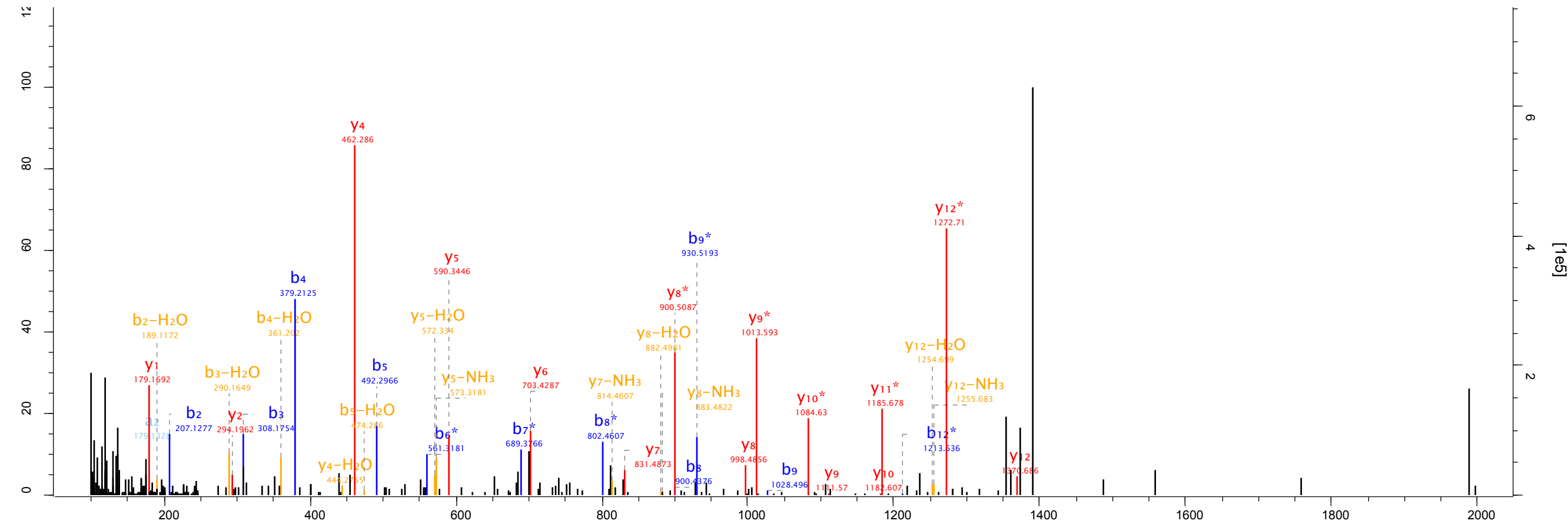


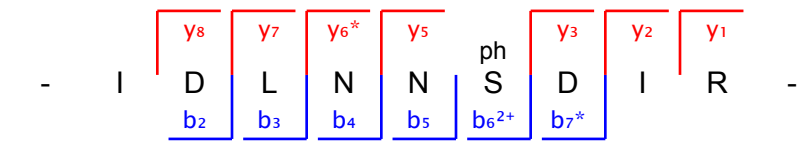
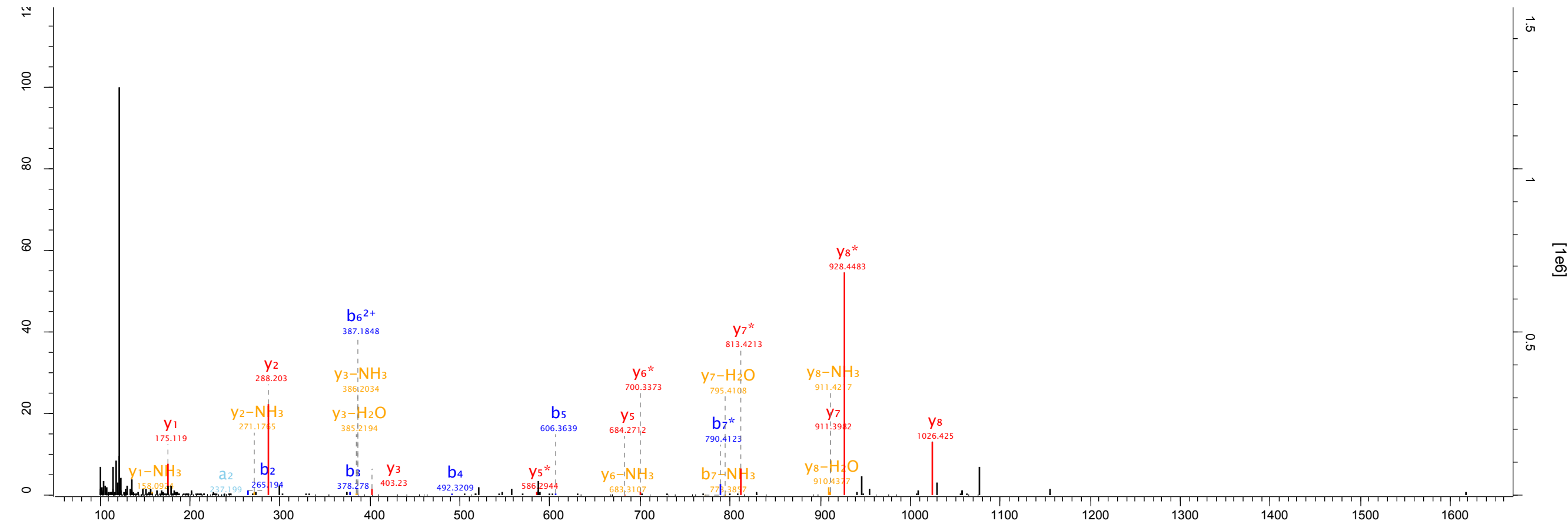


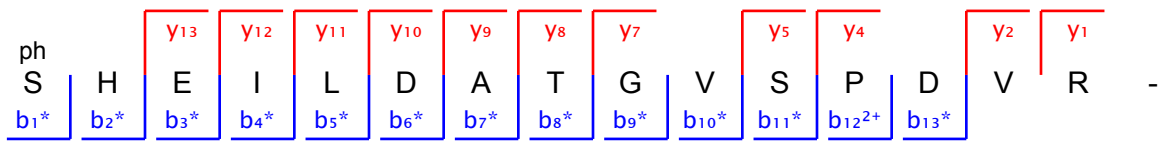
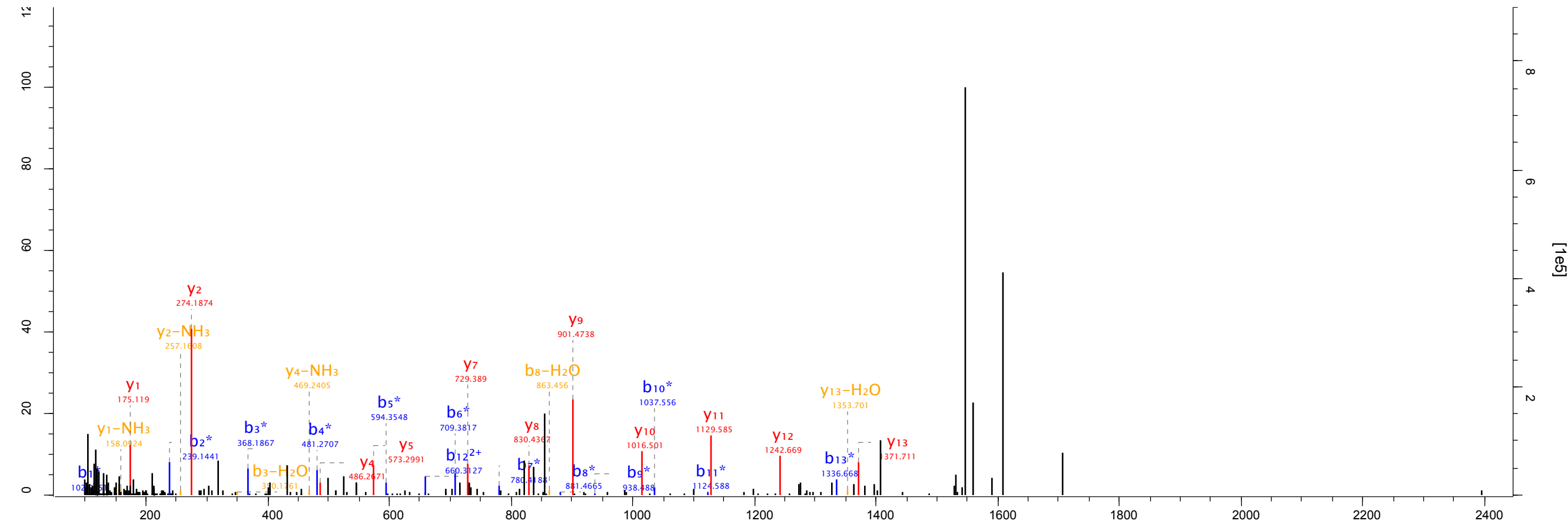


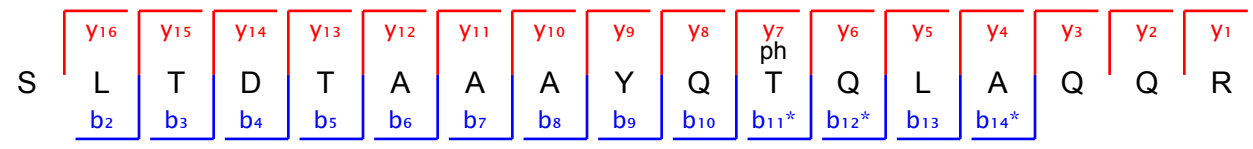
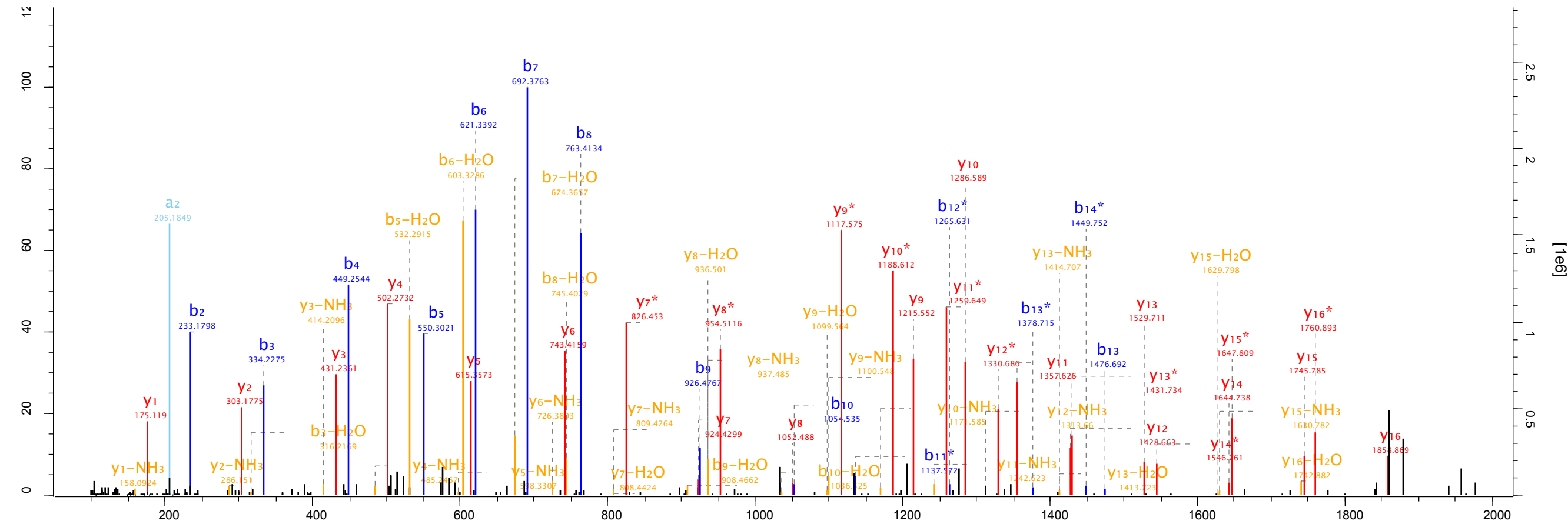


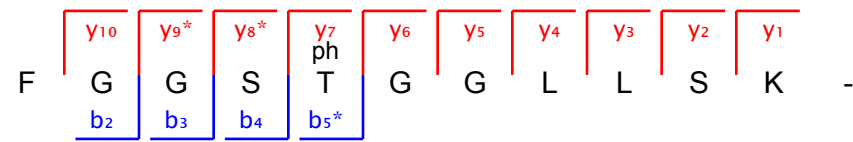
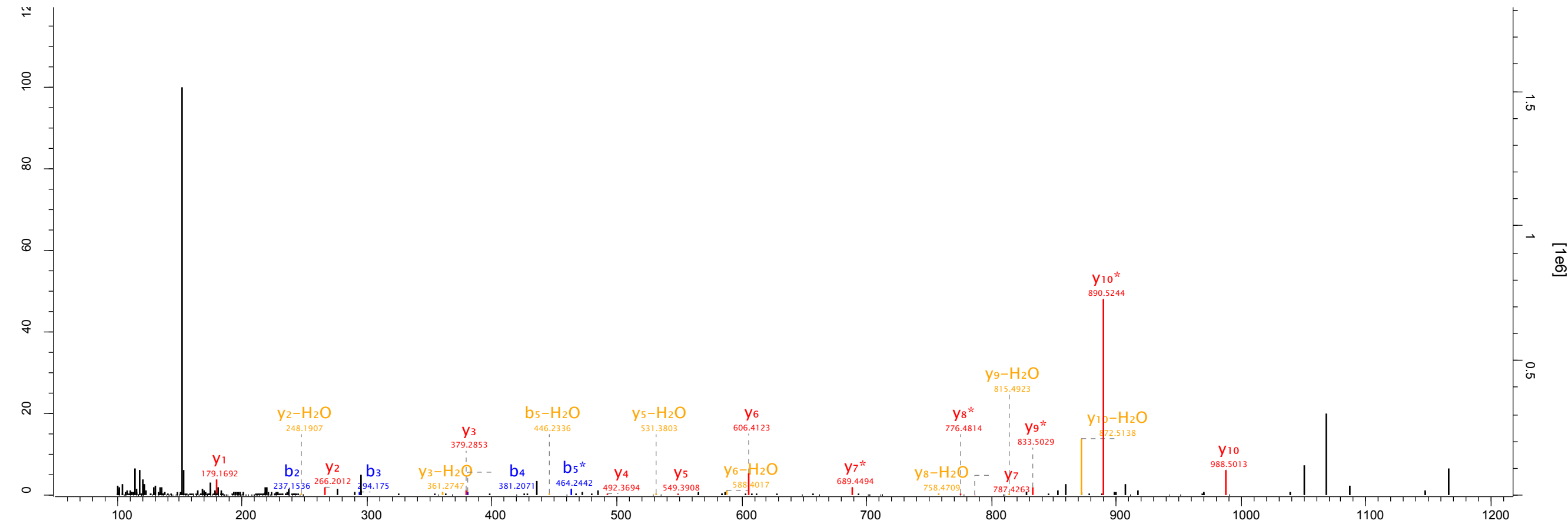


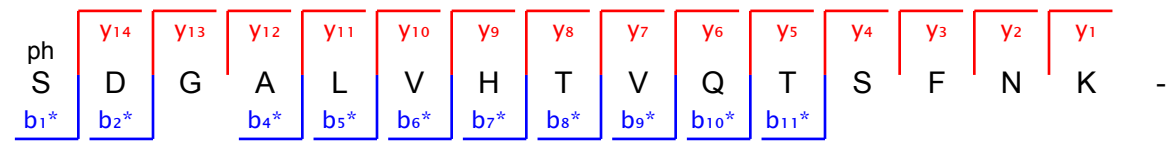
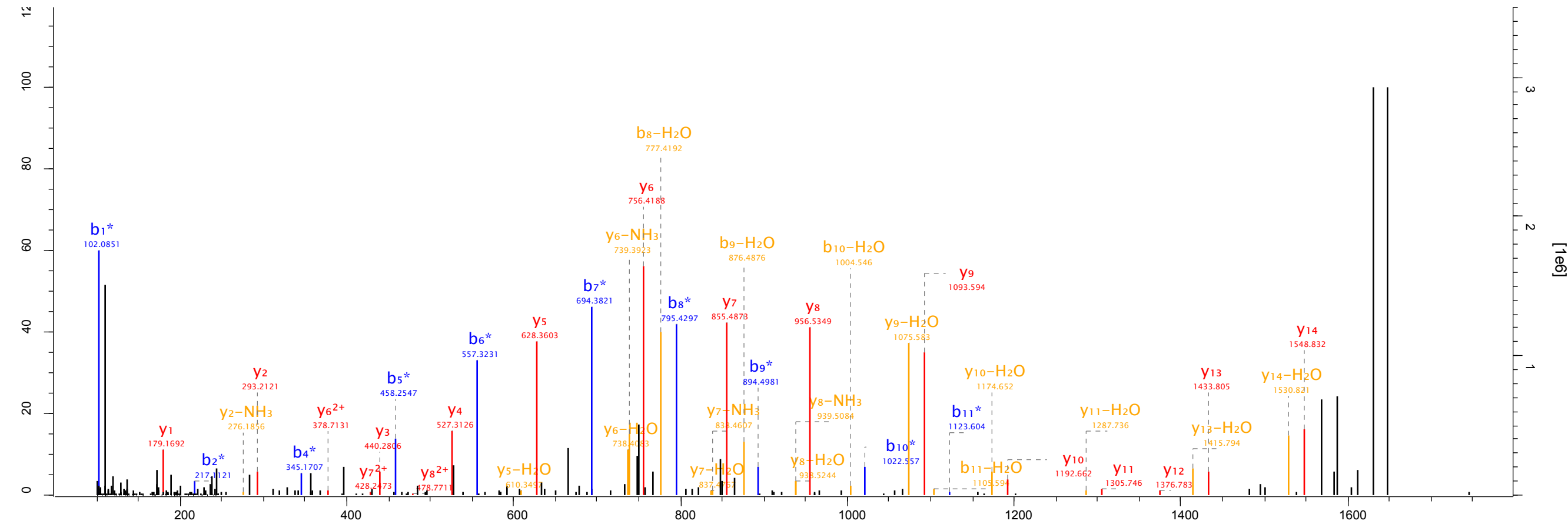


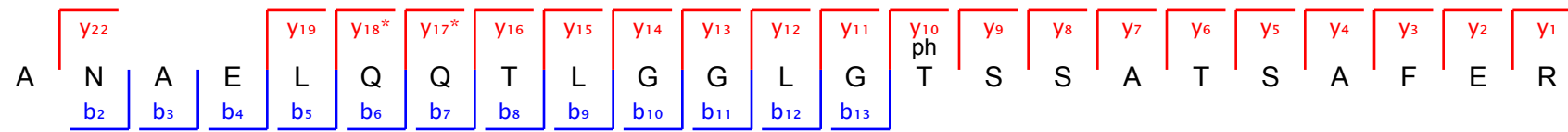
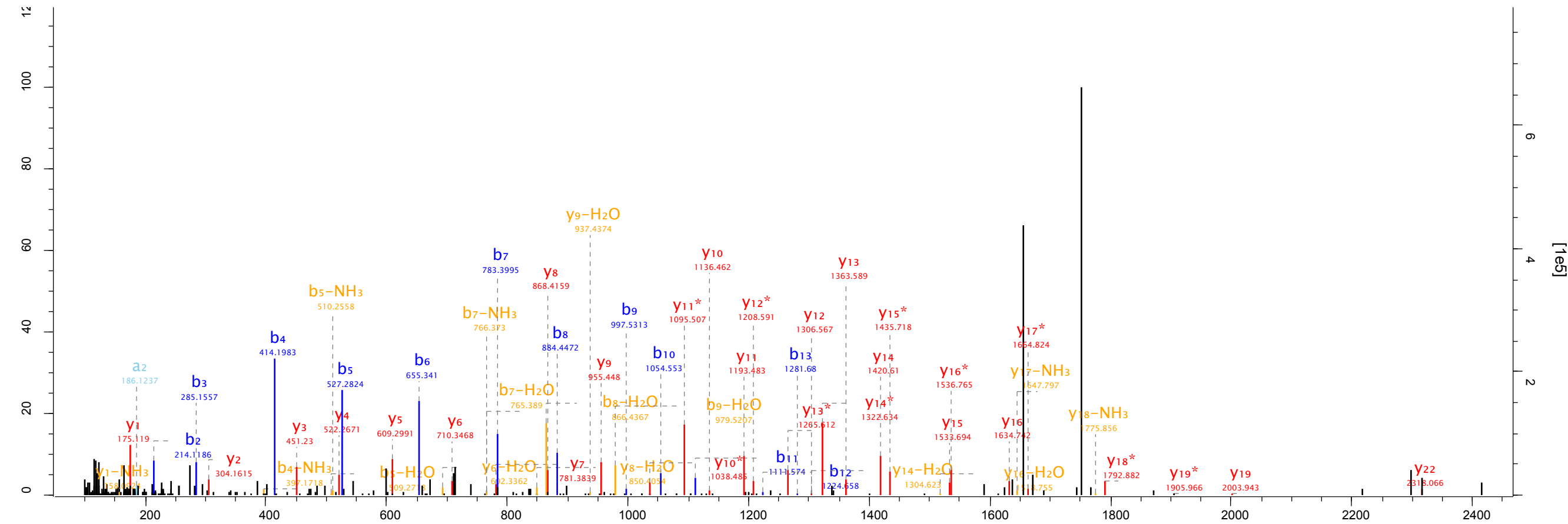


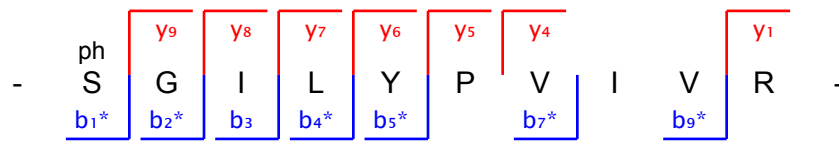
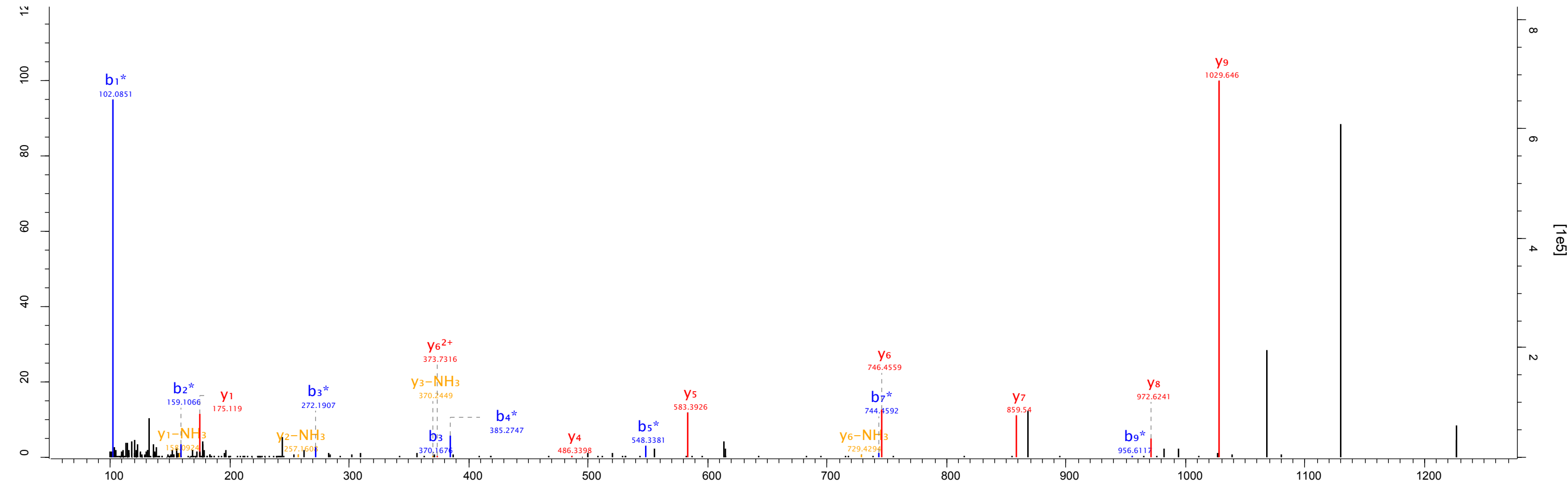


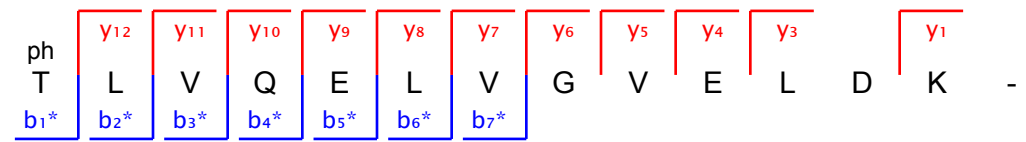
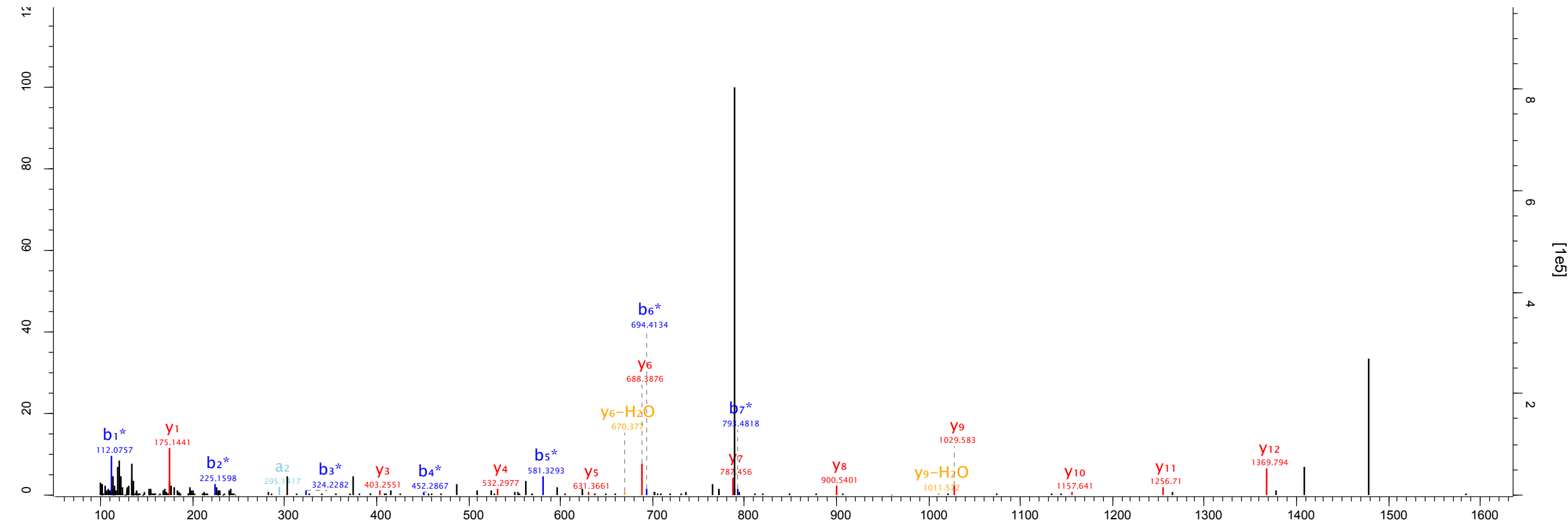


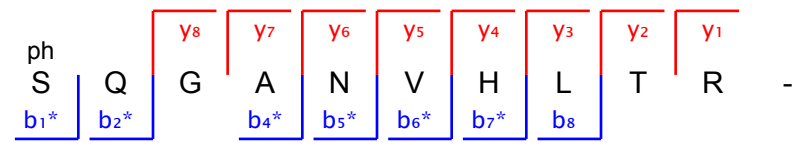
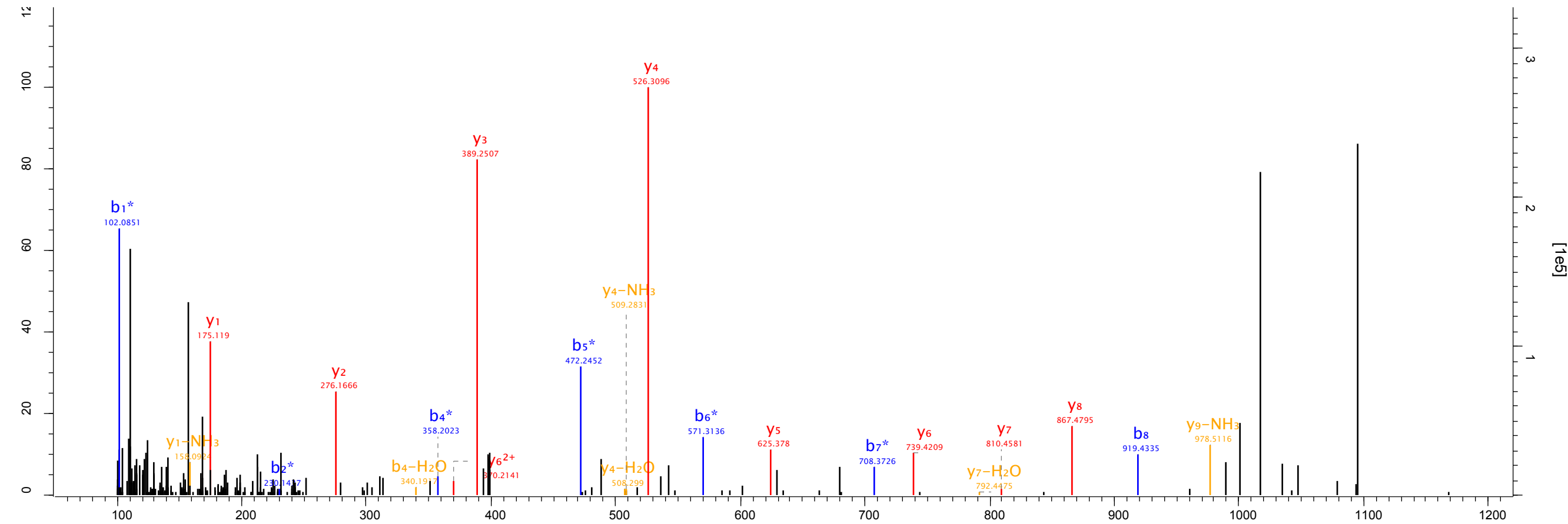


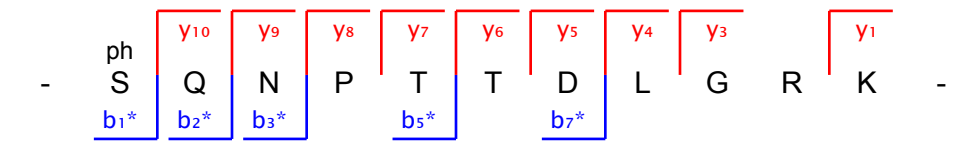
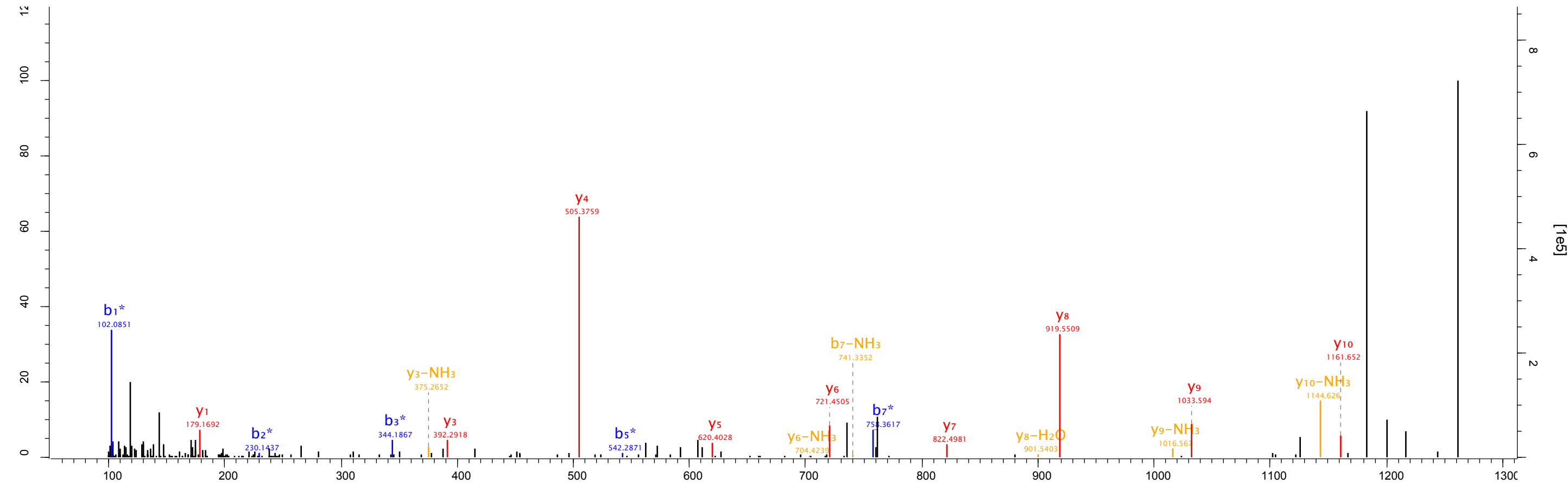


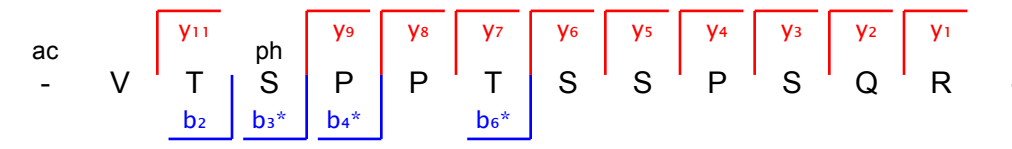
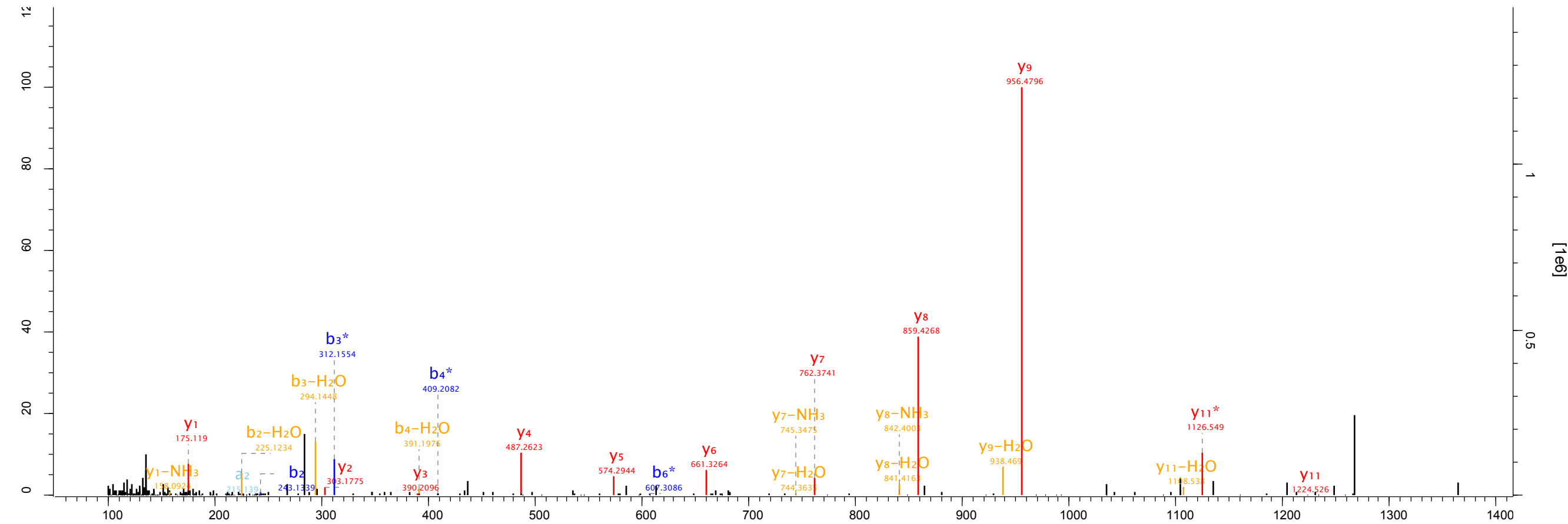


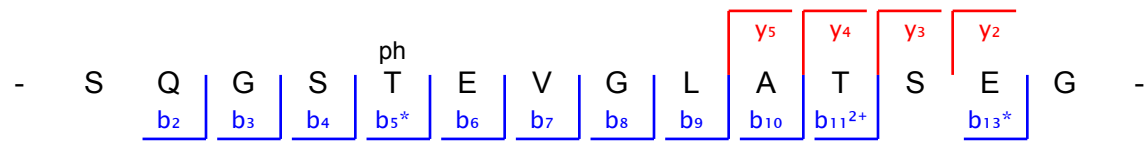
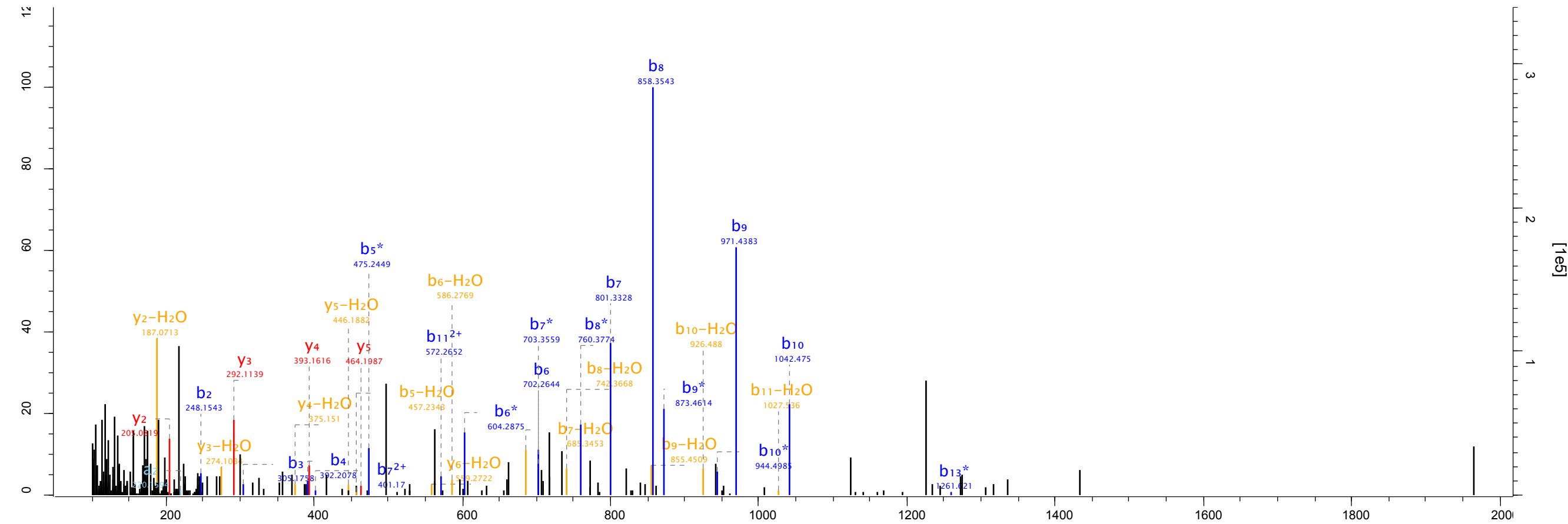


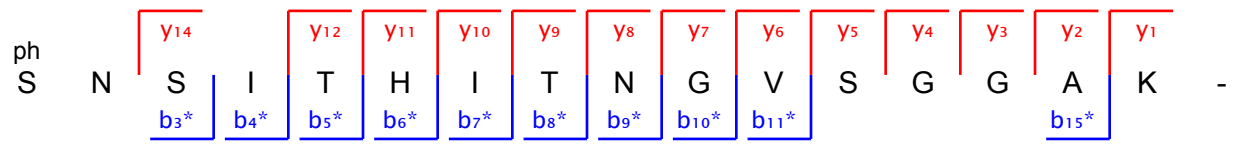
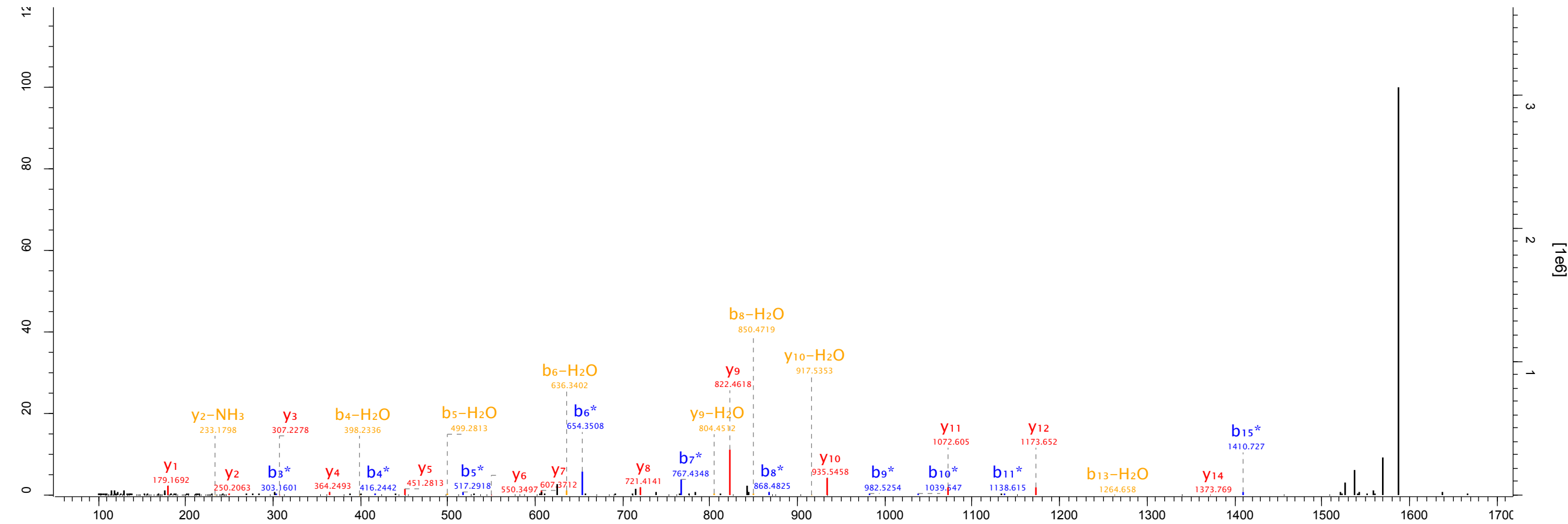


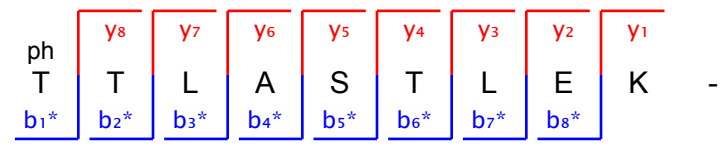
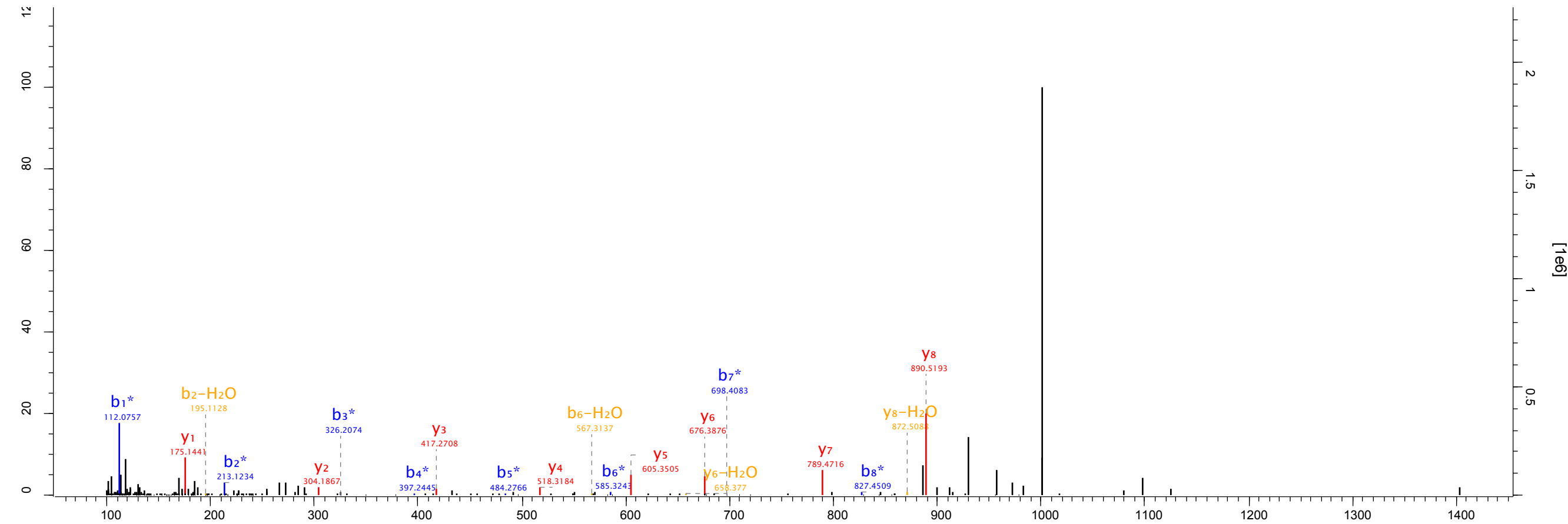


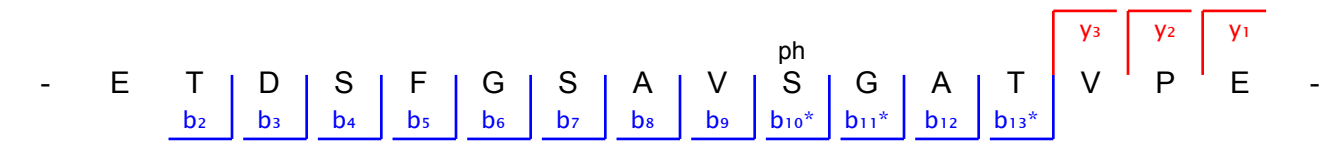
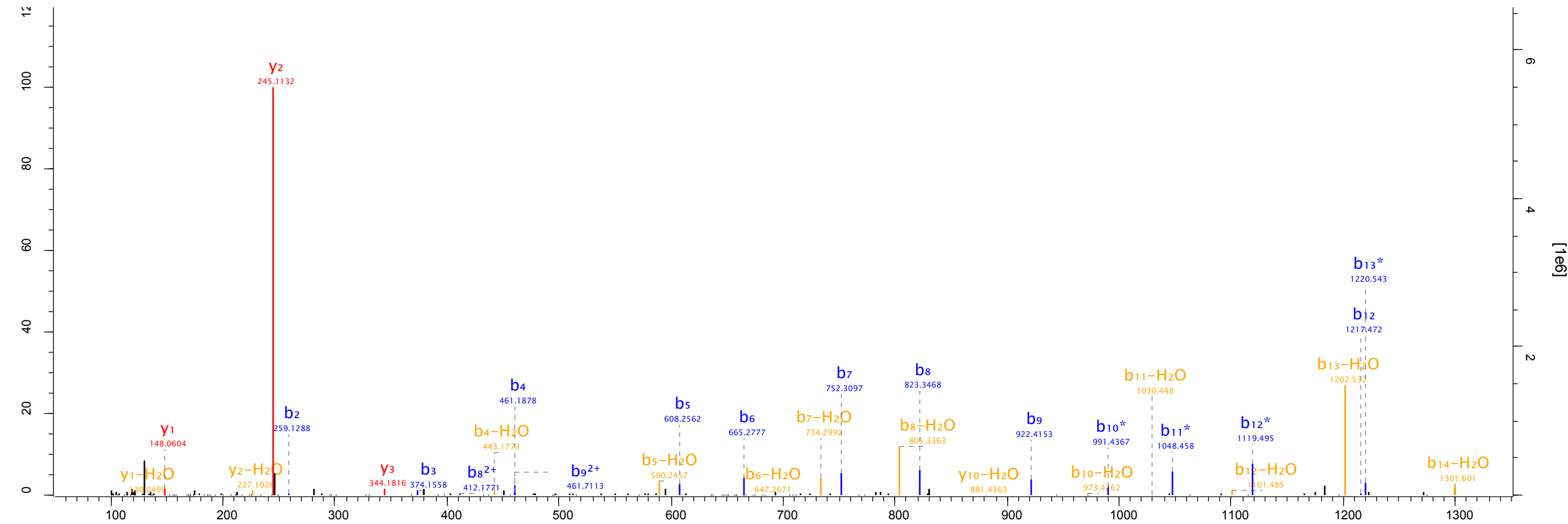


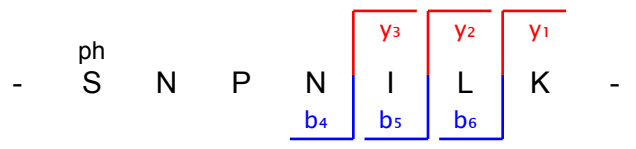
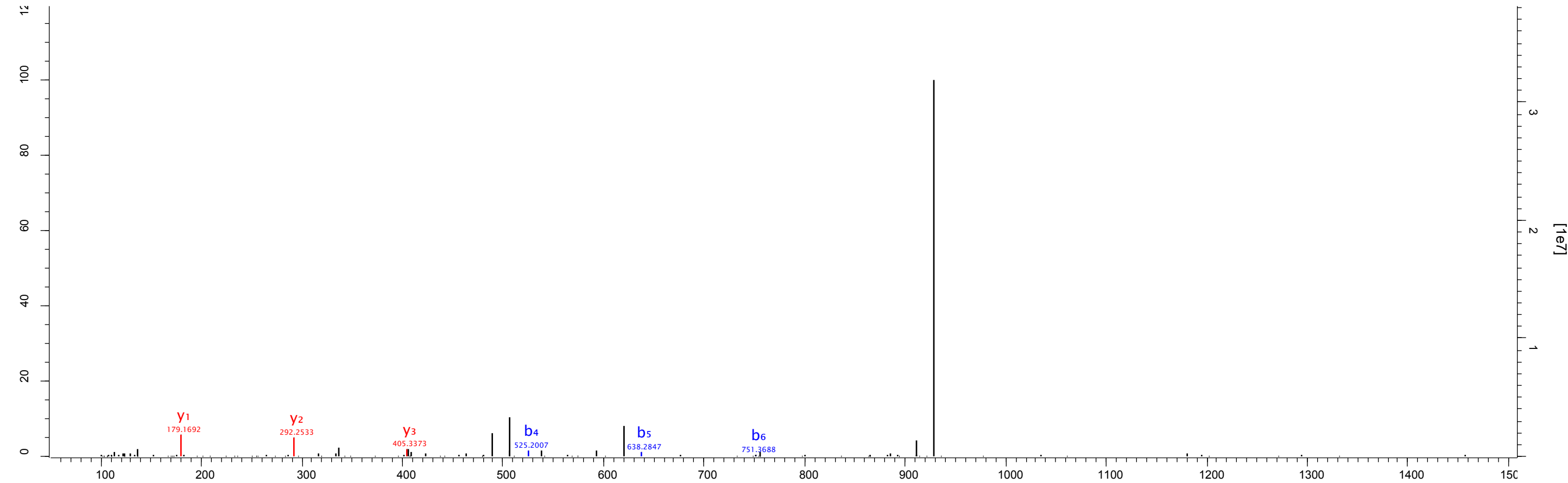


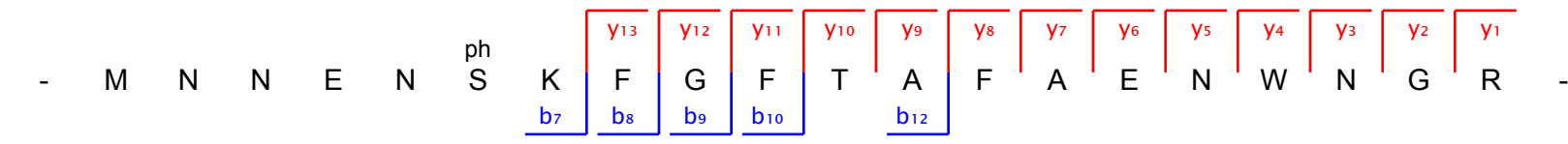
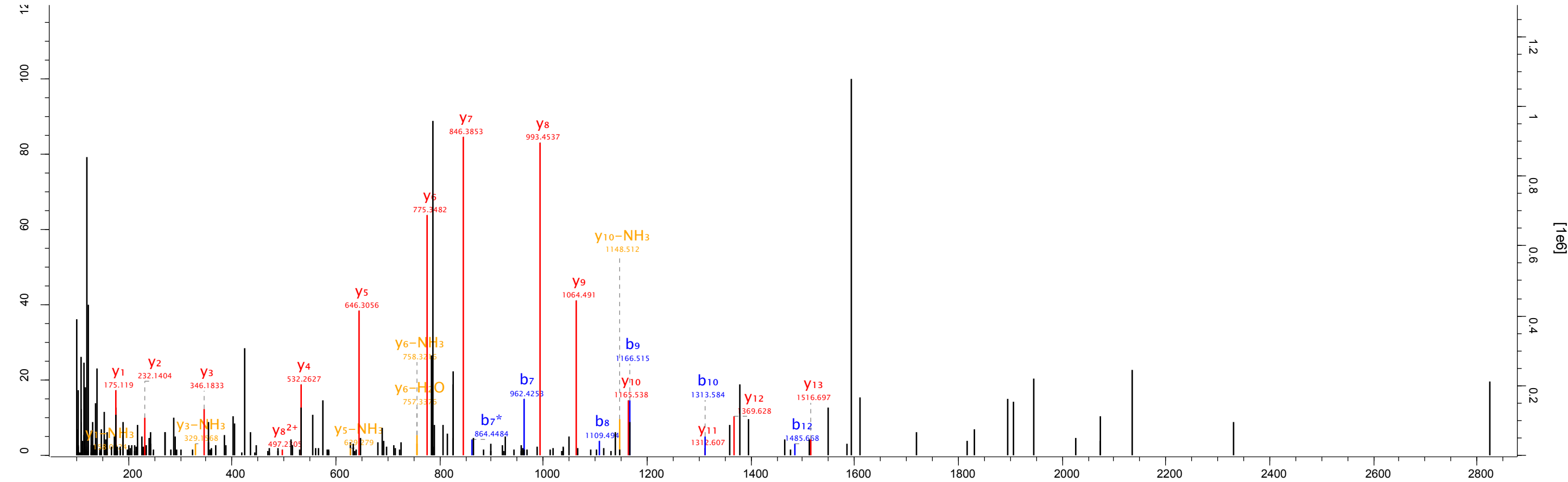


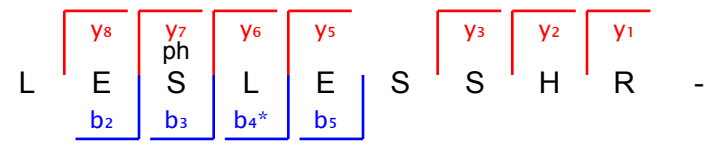
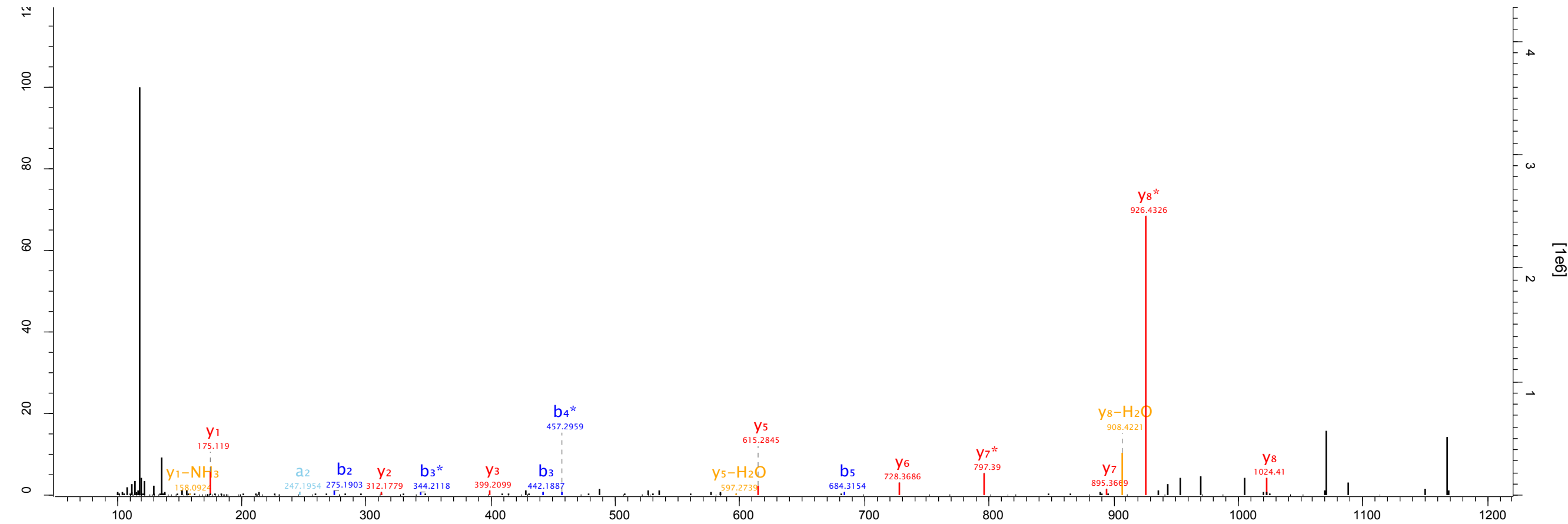


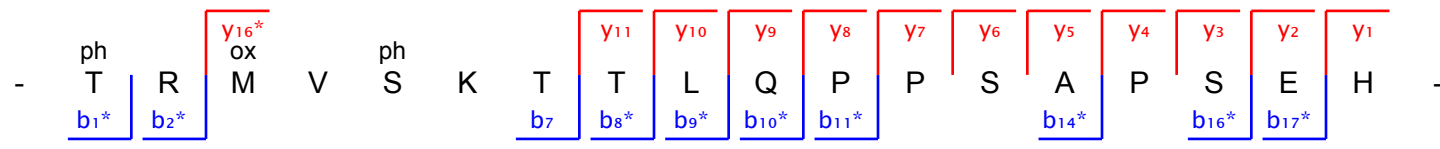
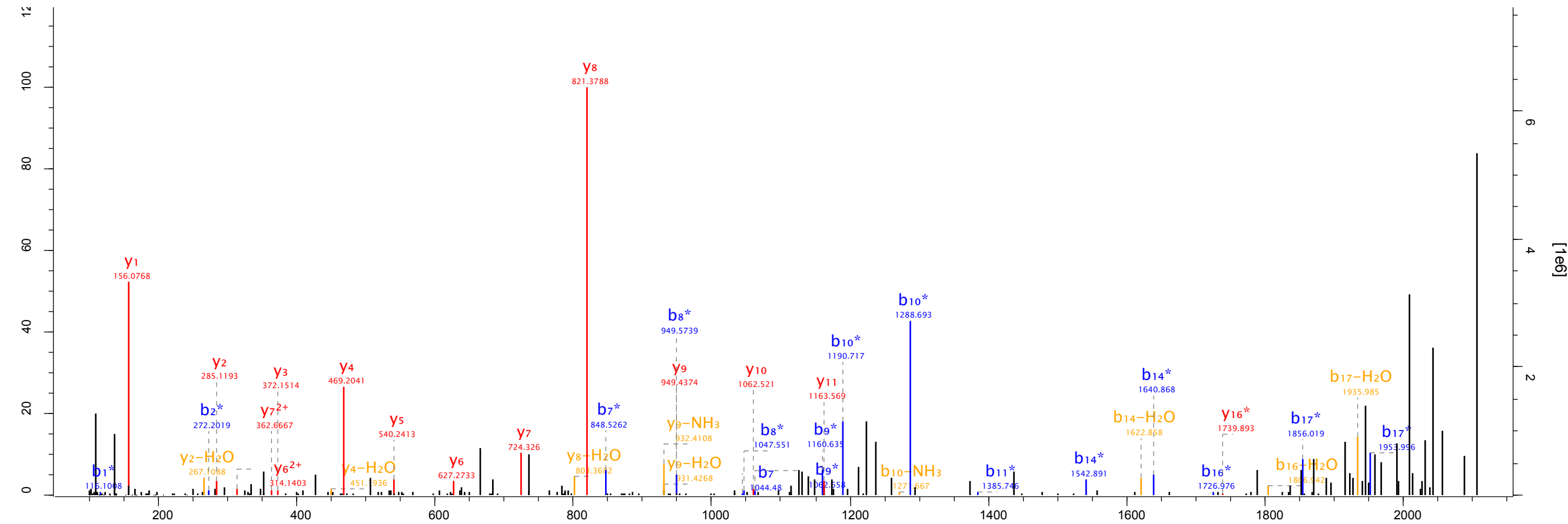


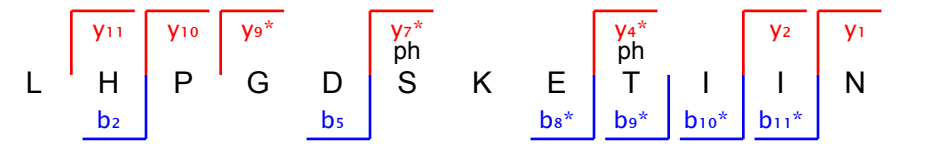
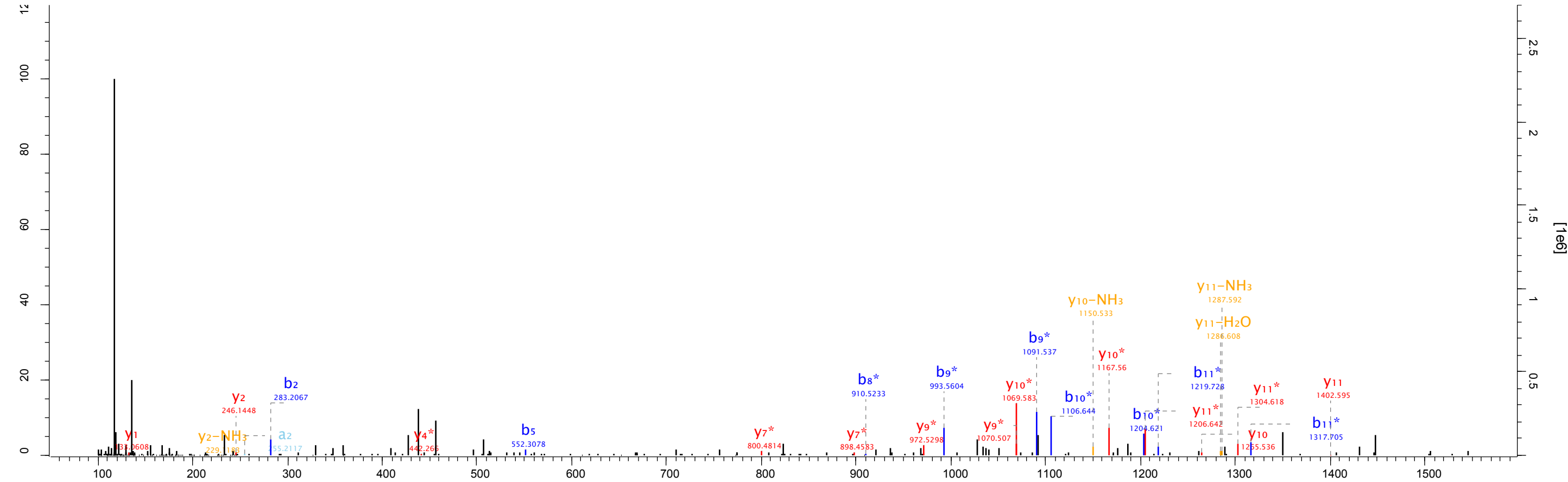


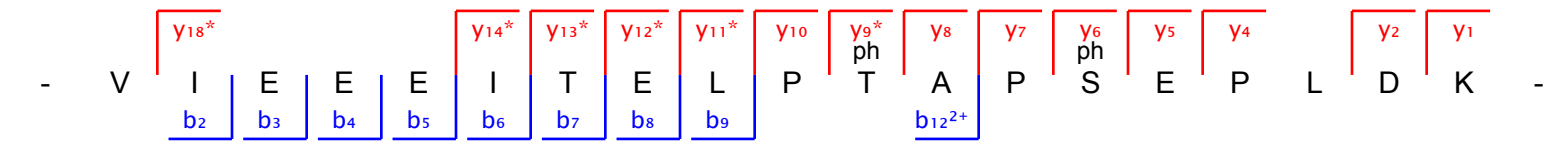
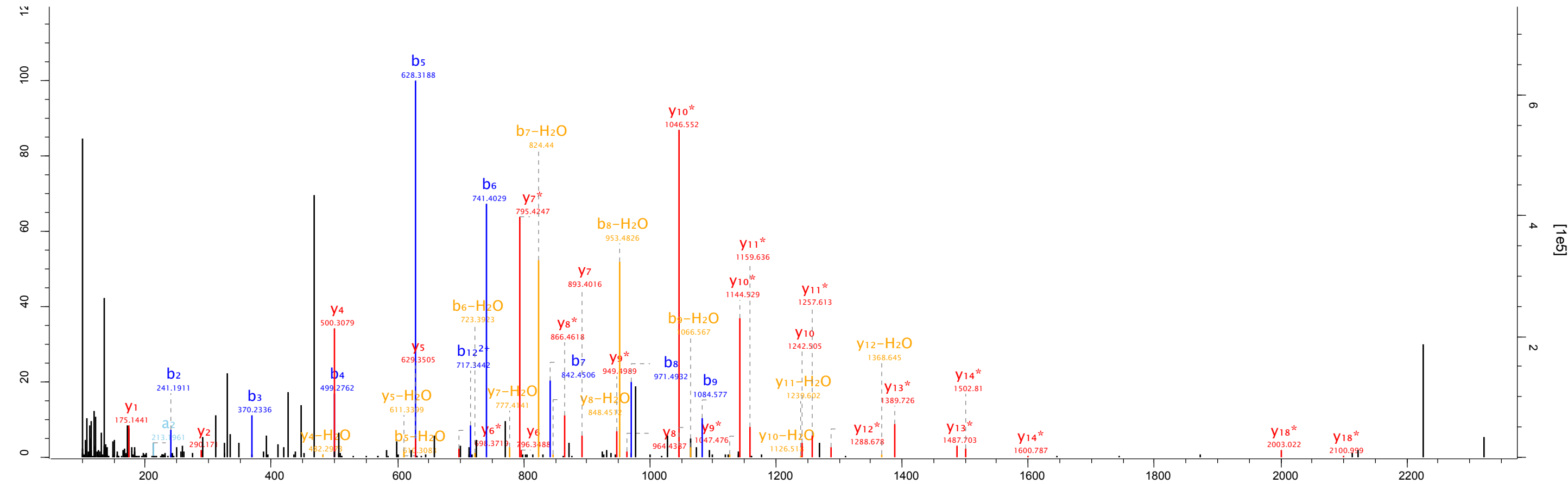


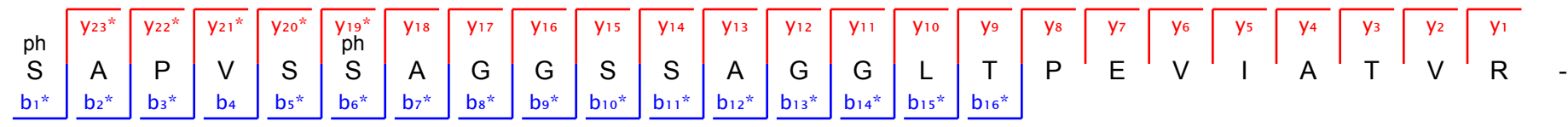
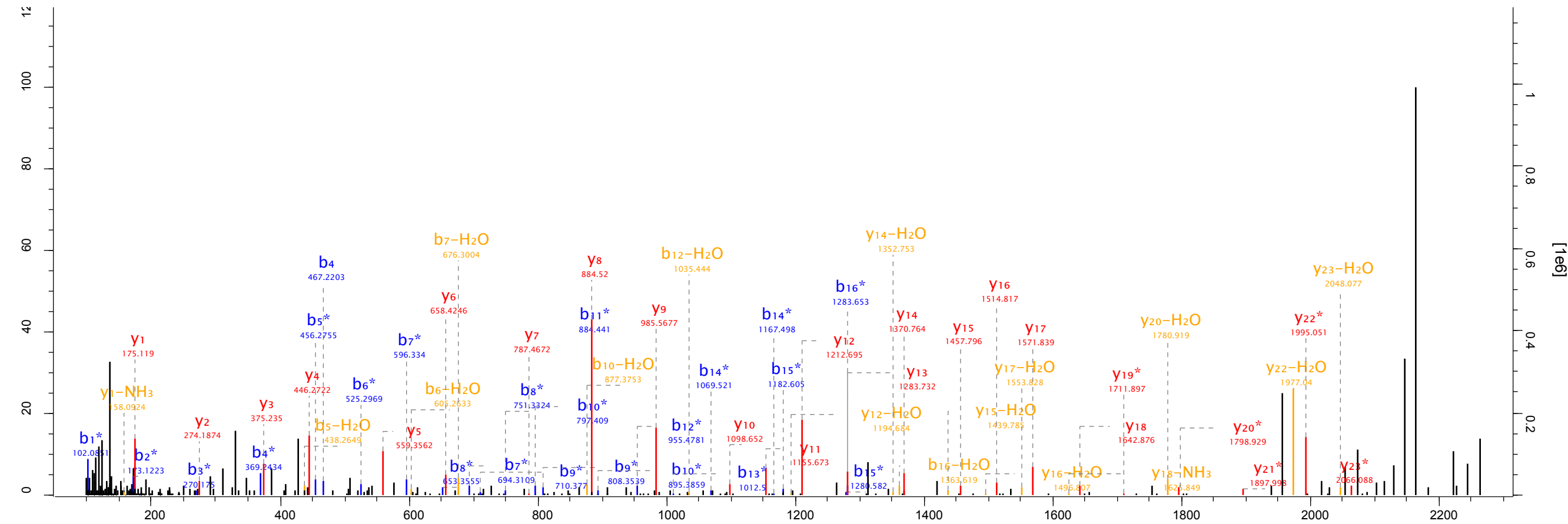


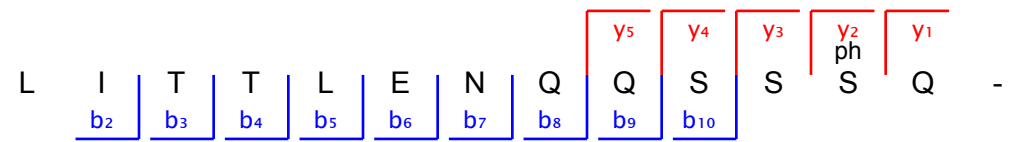
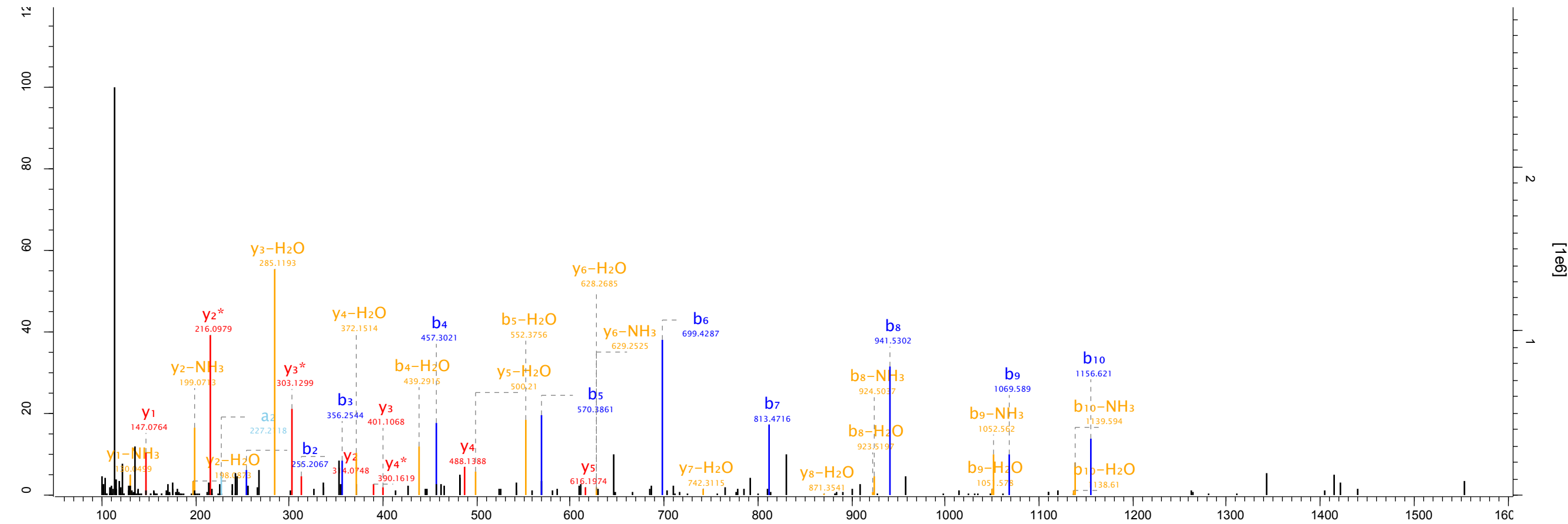


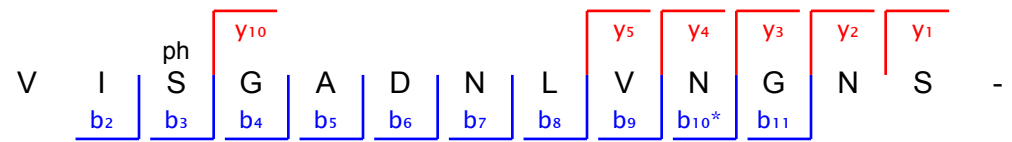
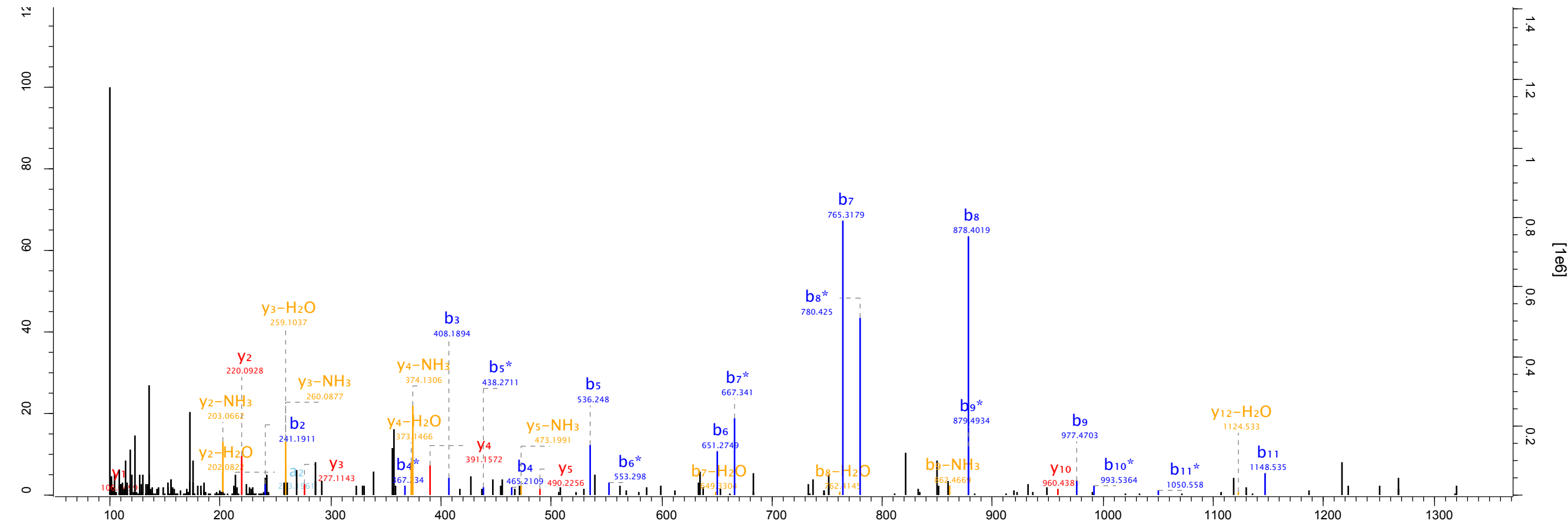


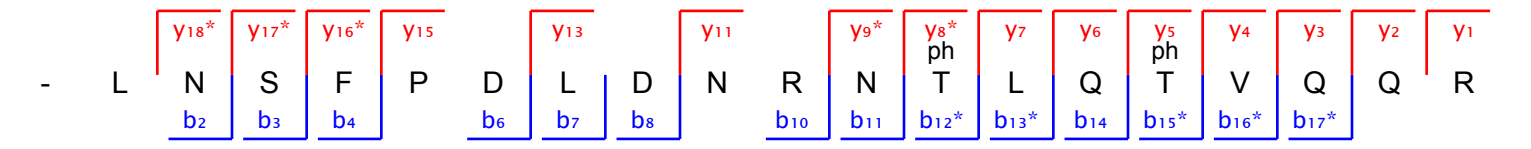
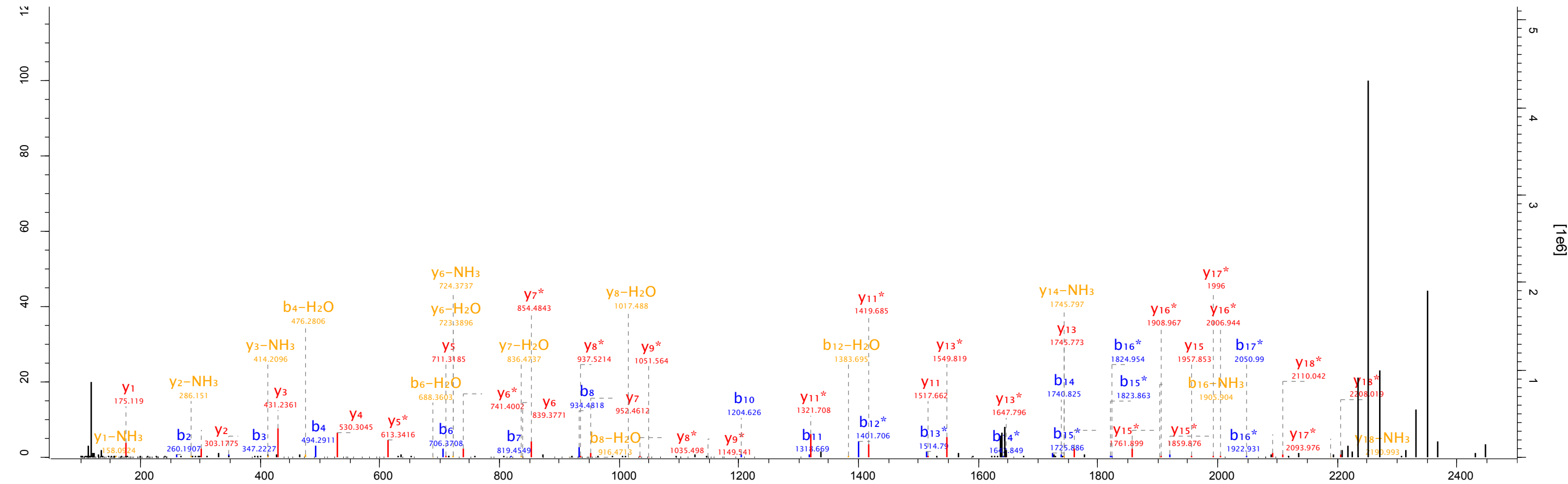


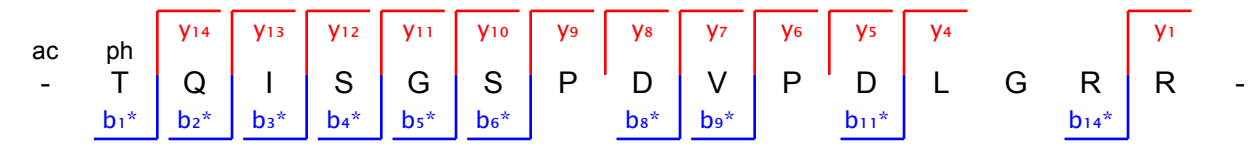
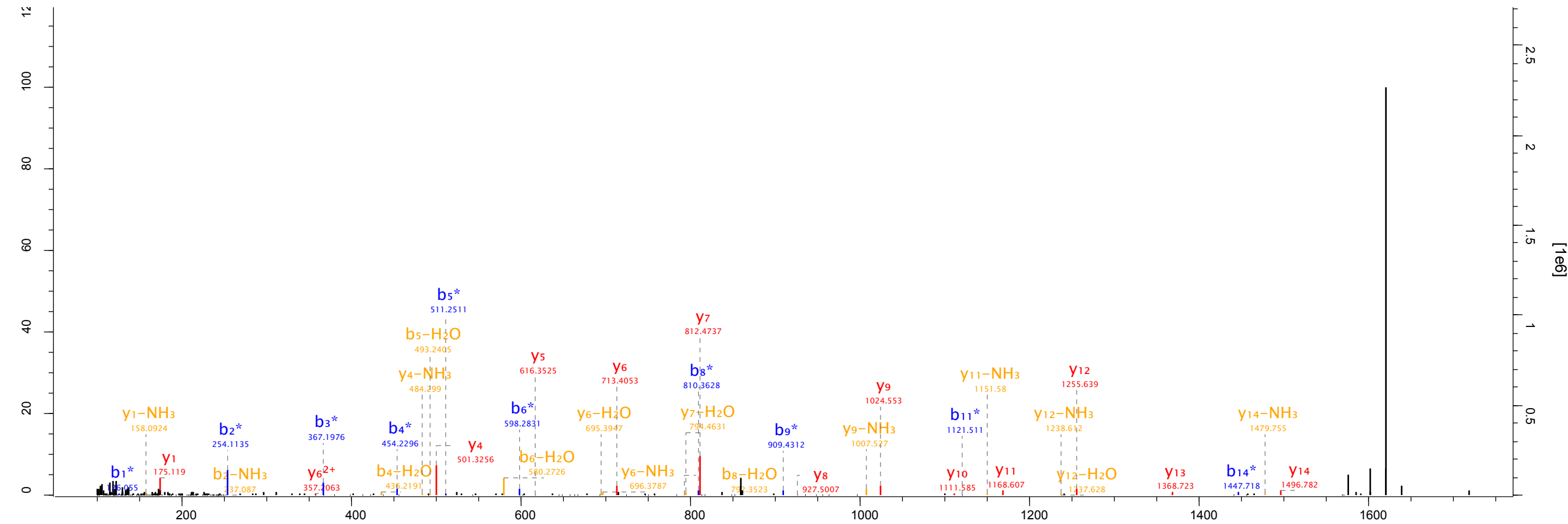


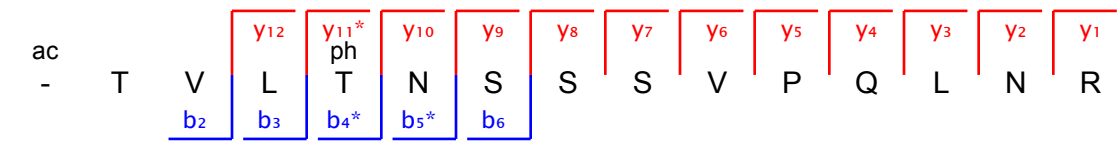
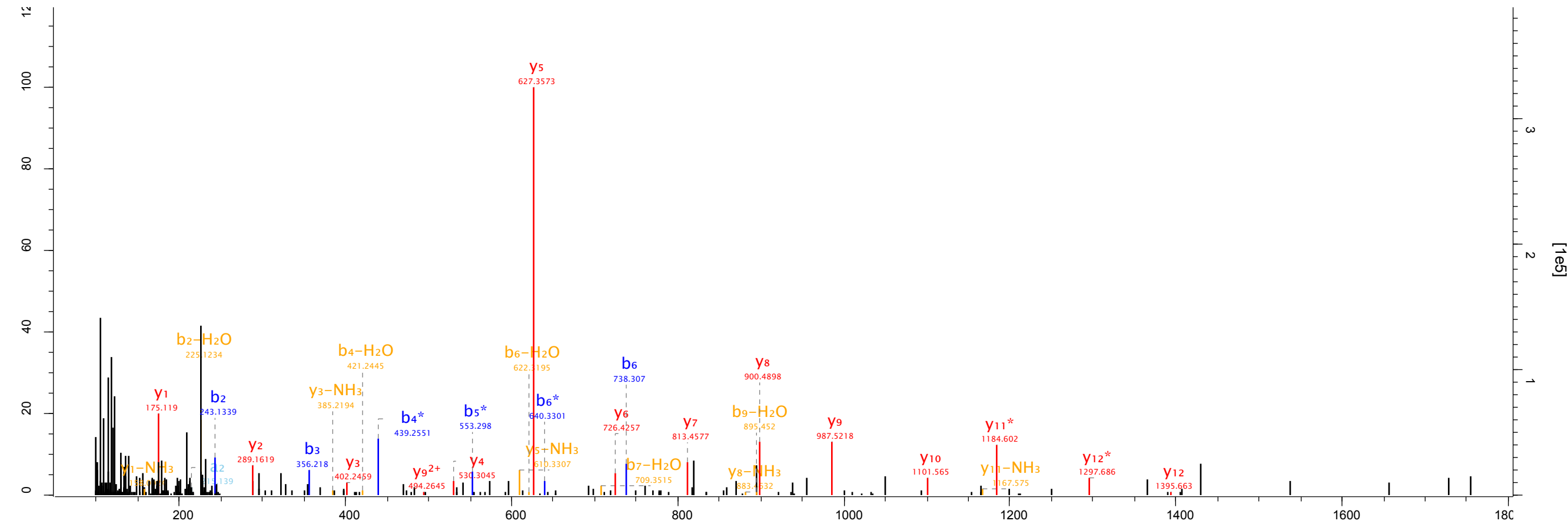


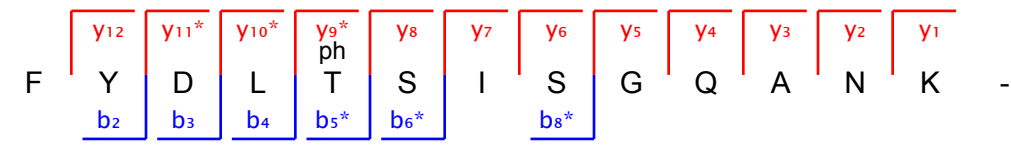
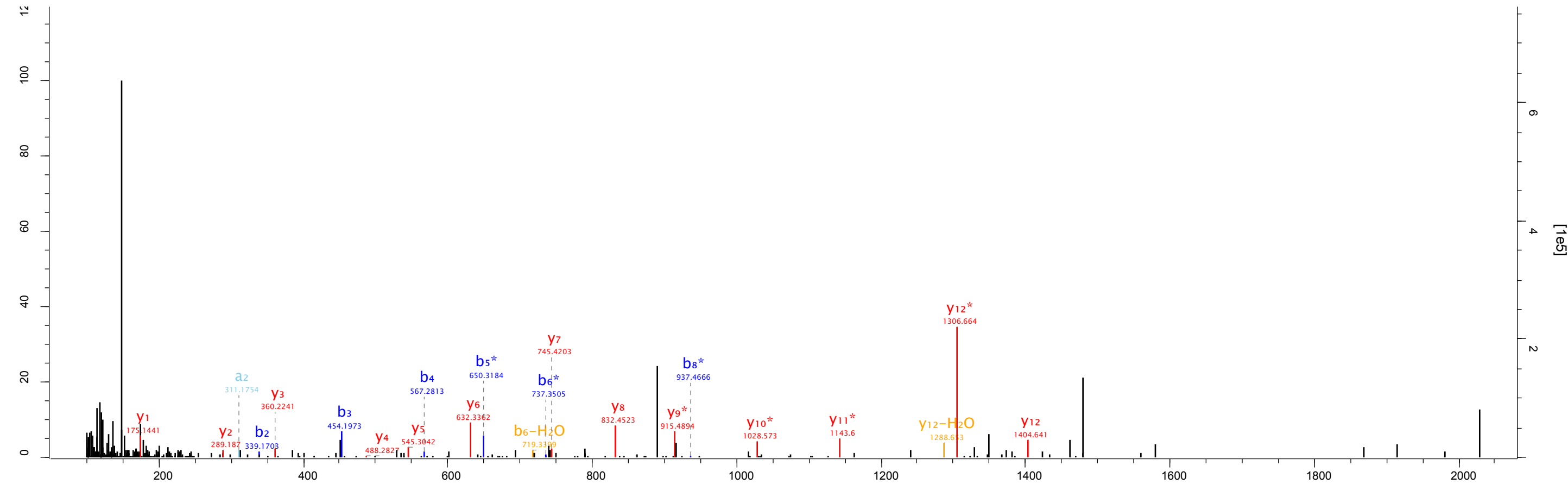


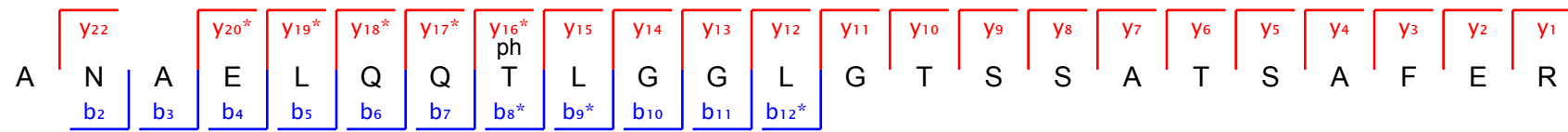
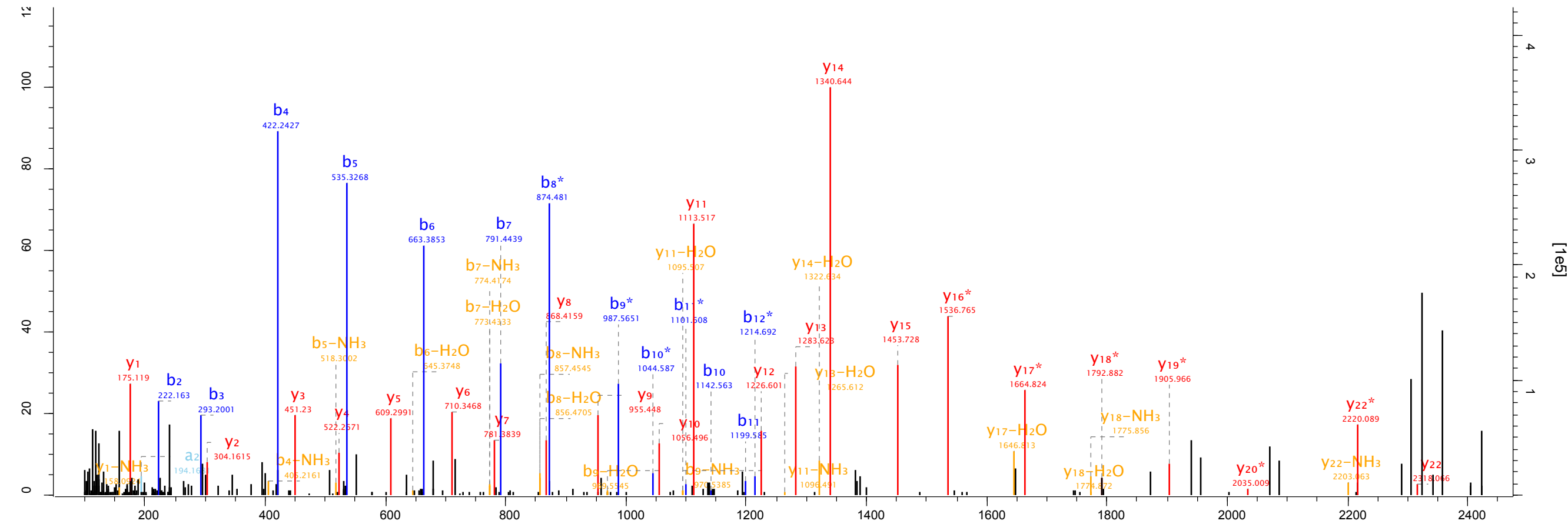




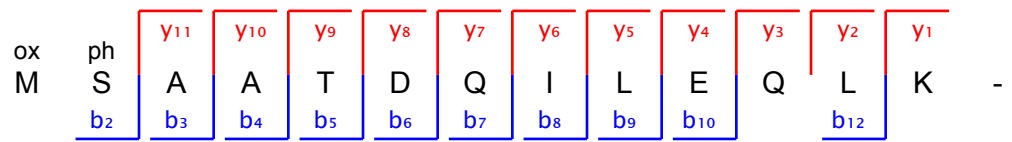
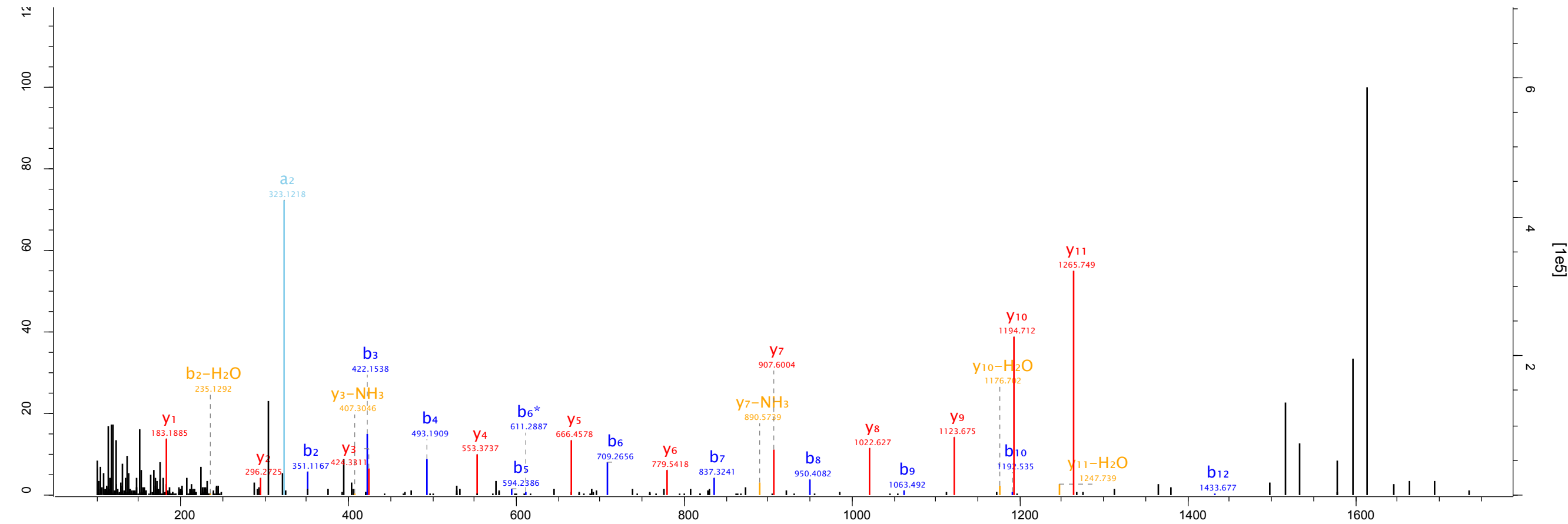


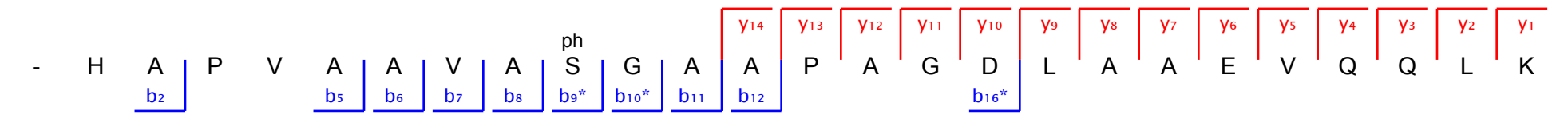
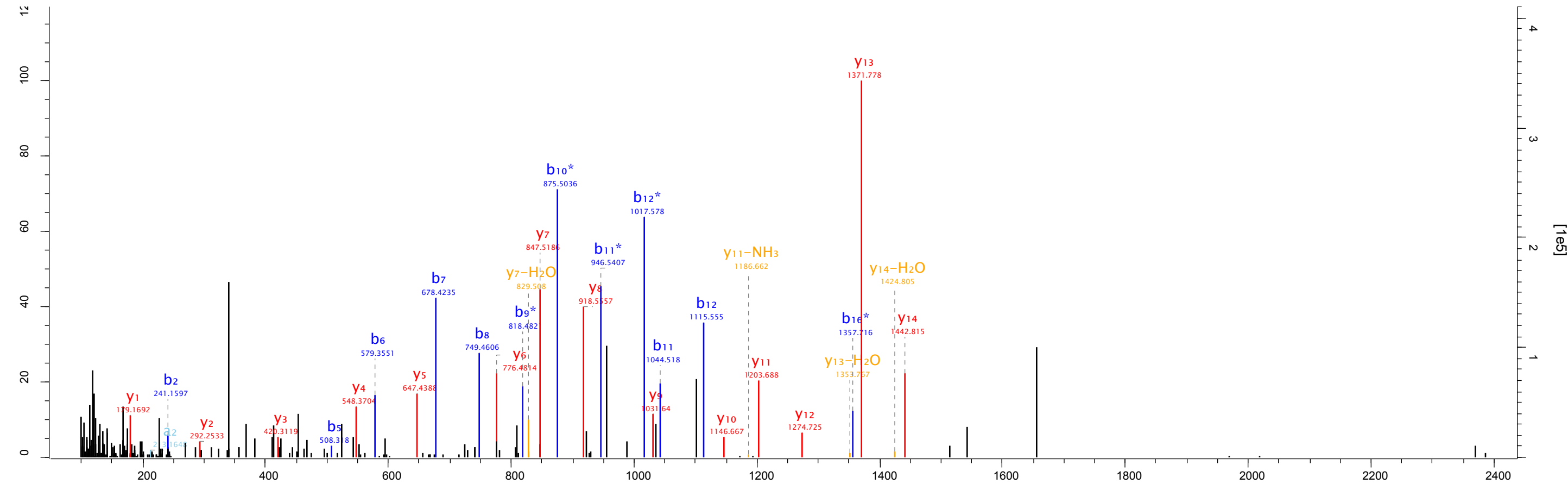


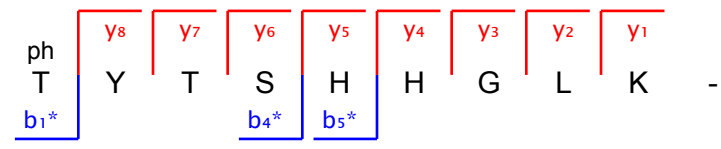
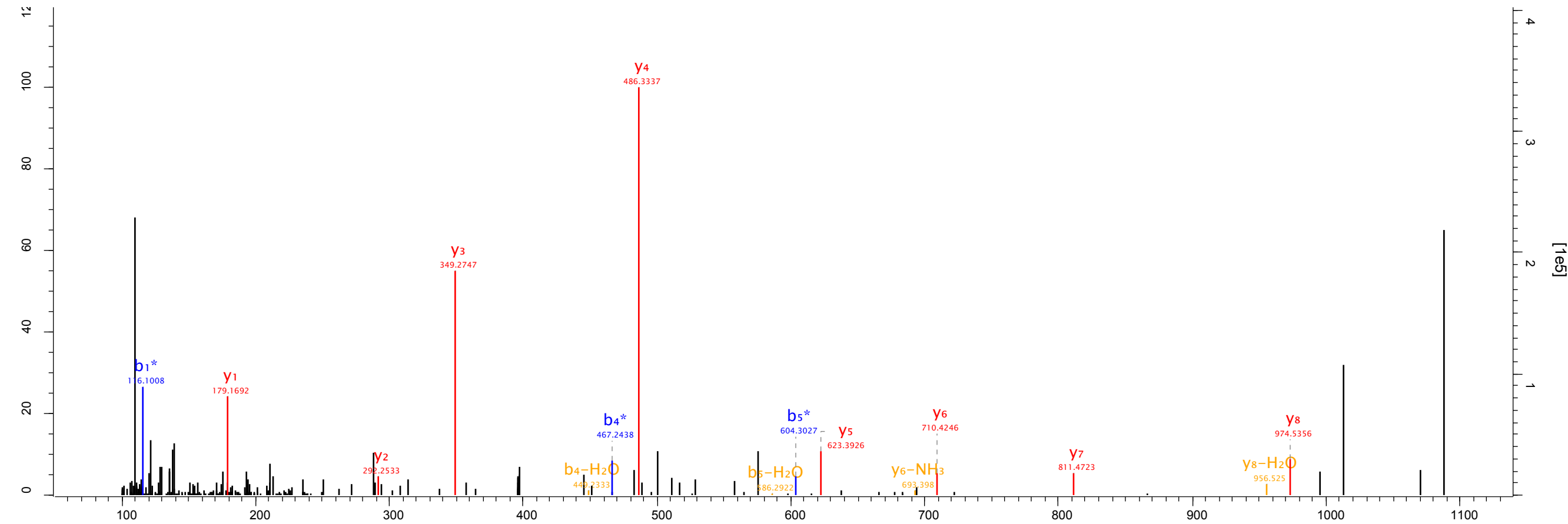


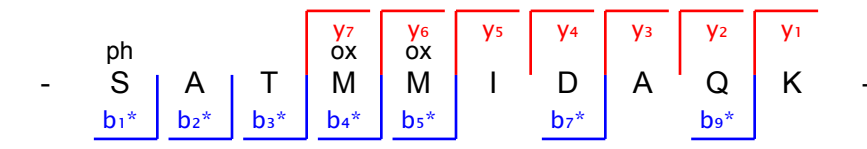
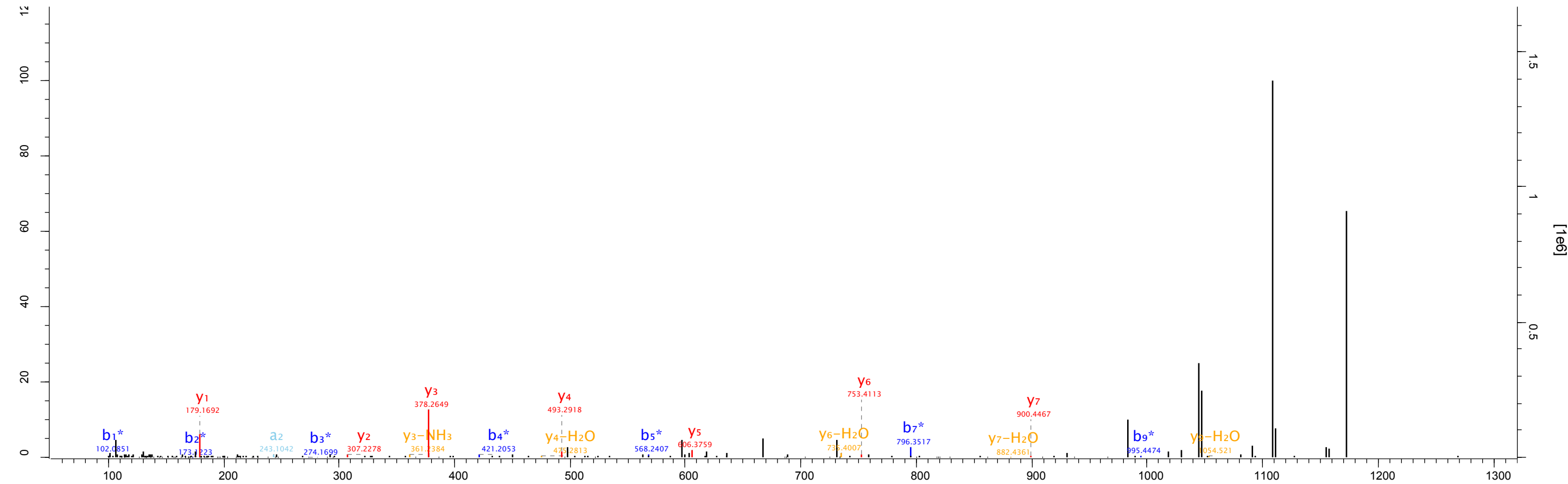


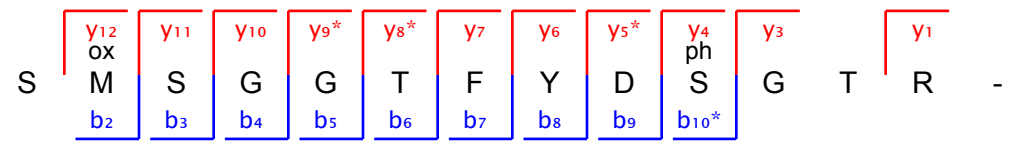
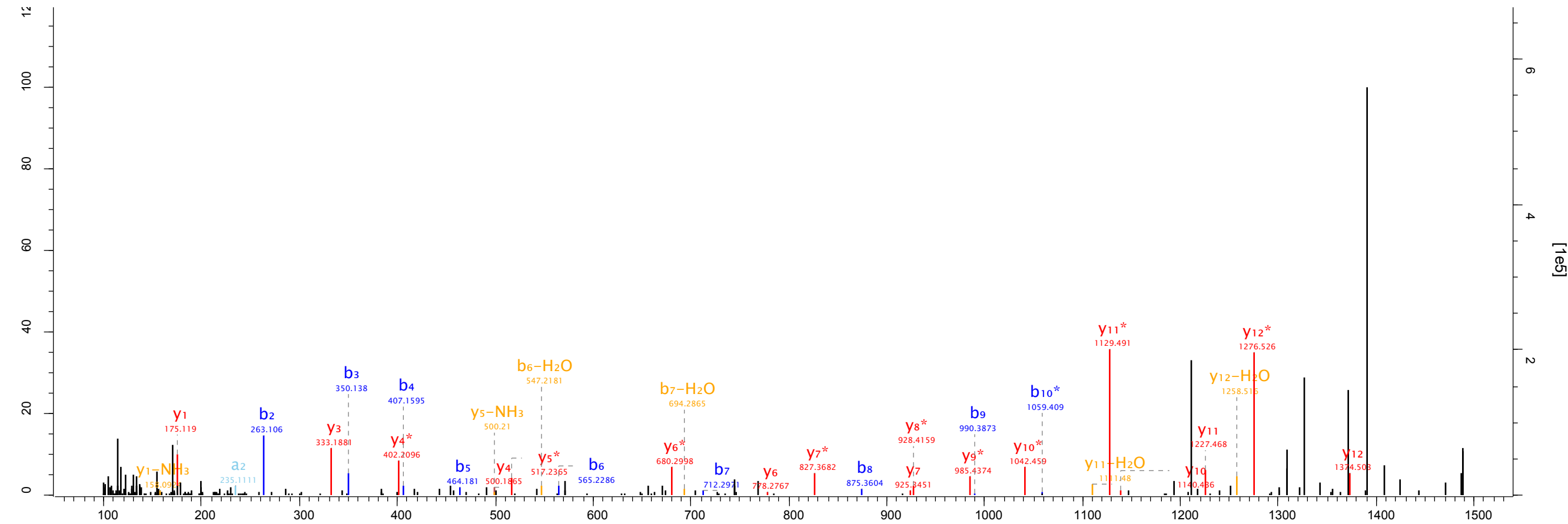
- A N A E L Q Q T L G G L G T S S A T S A F E R -

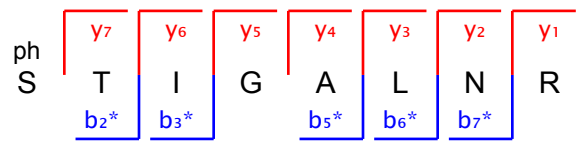
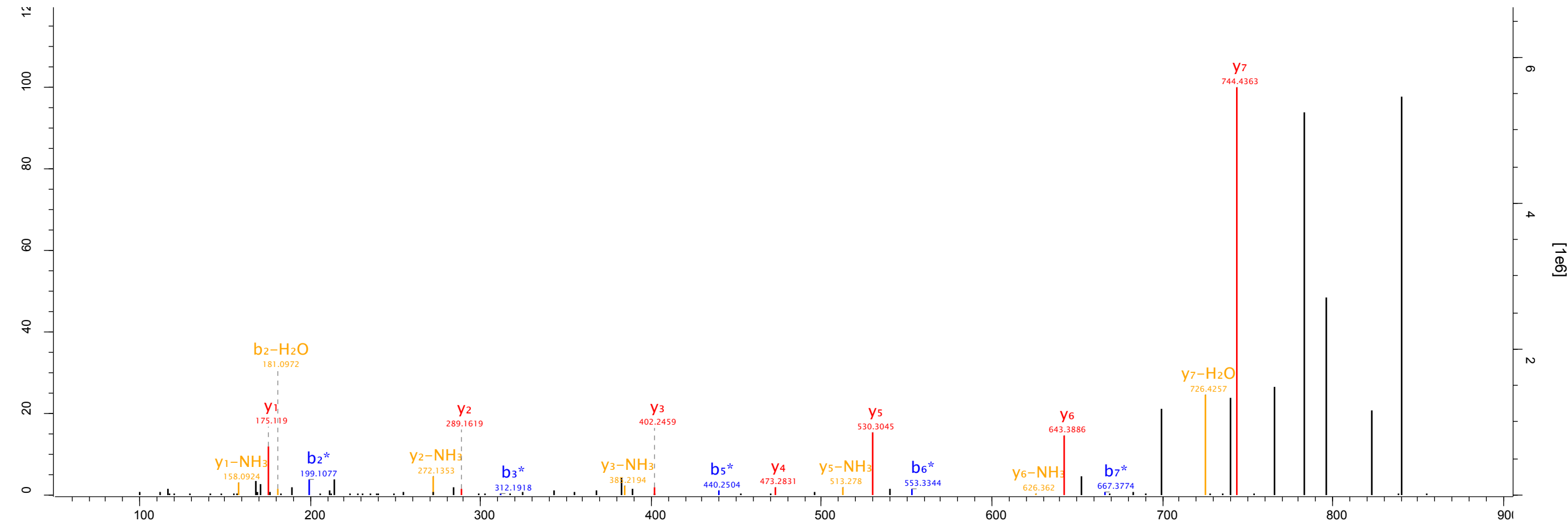


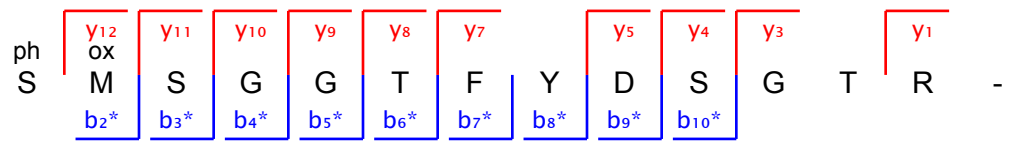
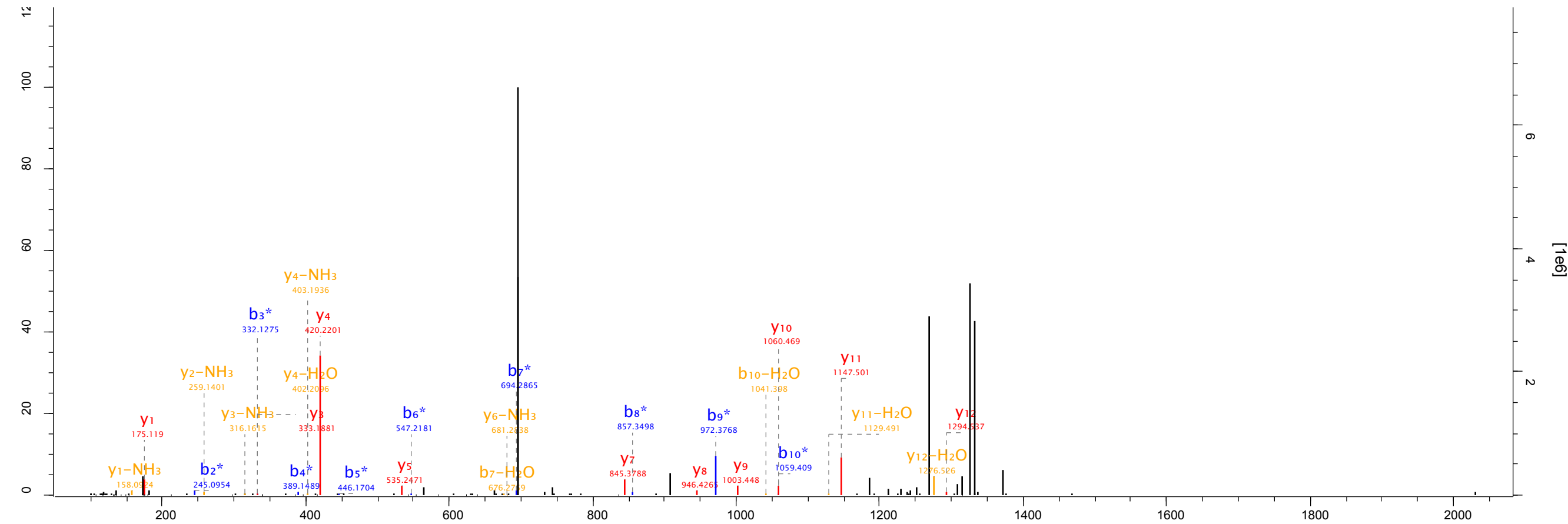


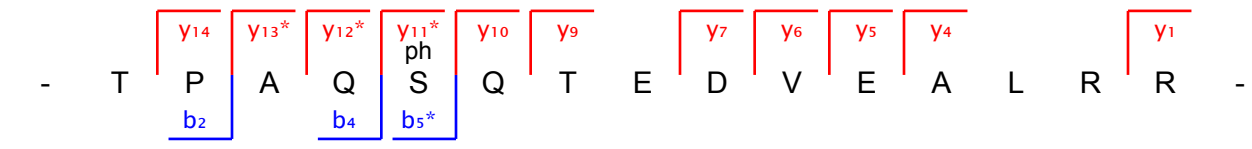
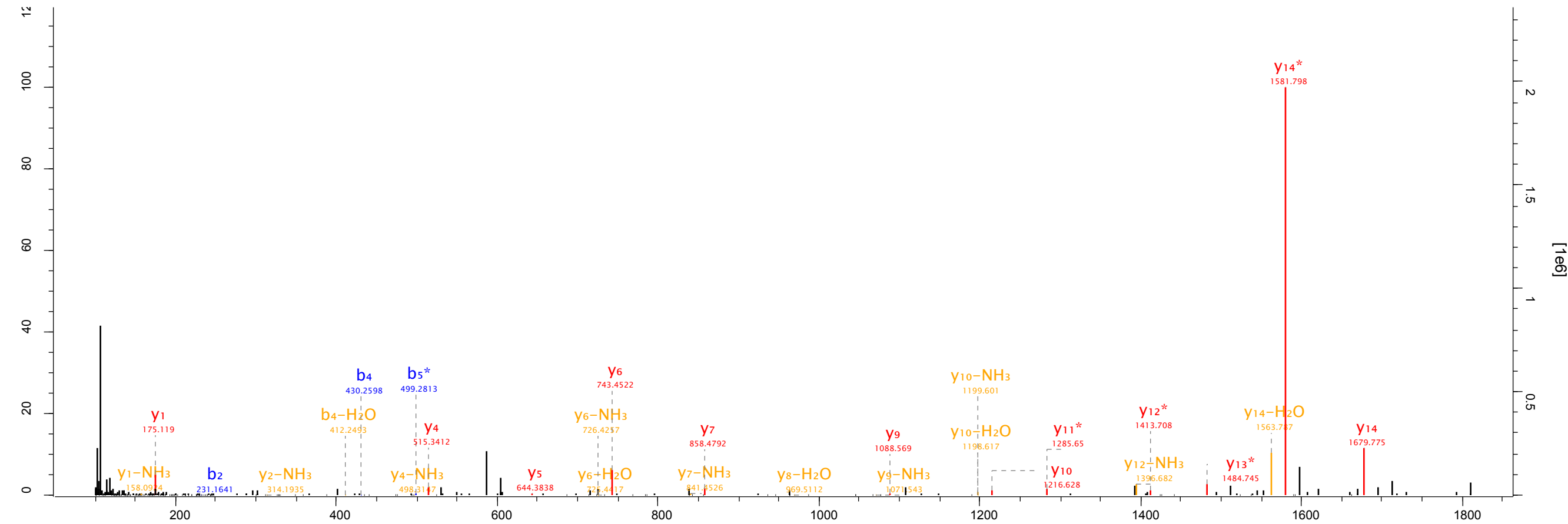


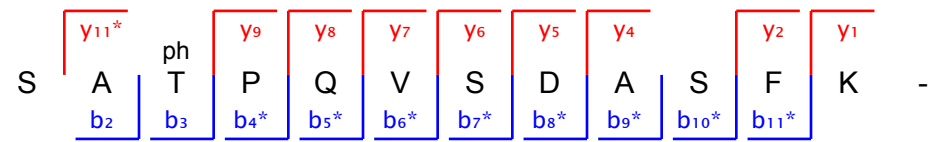
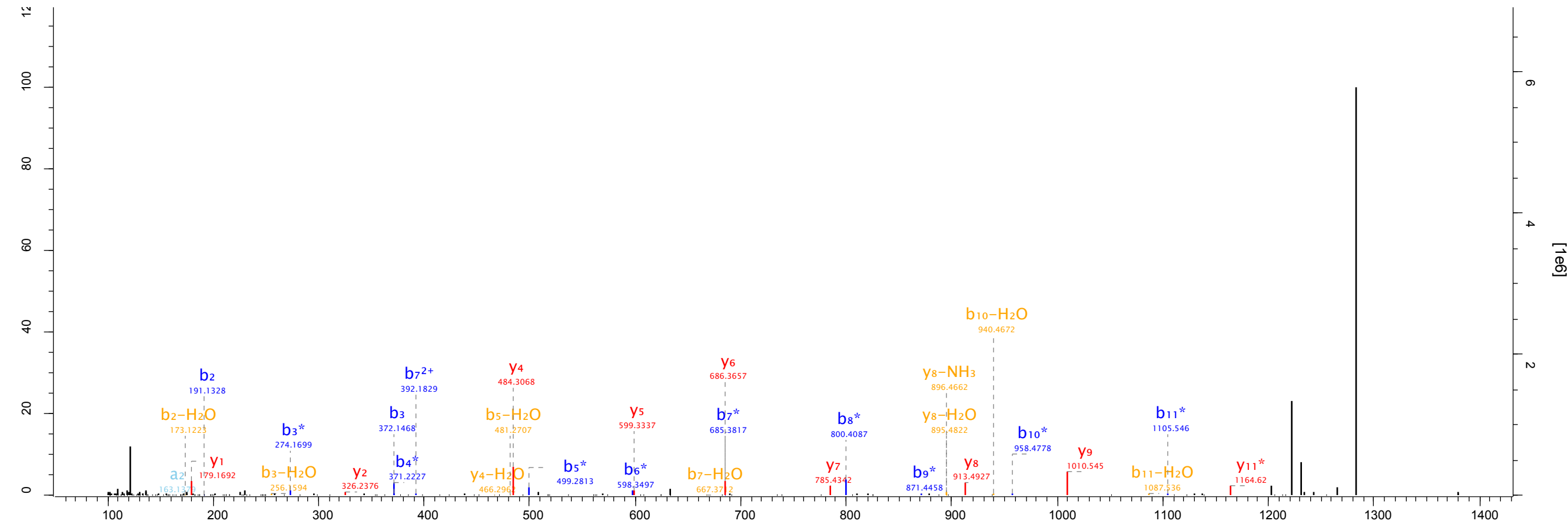


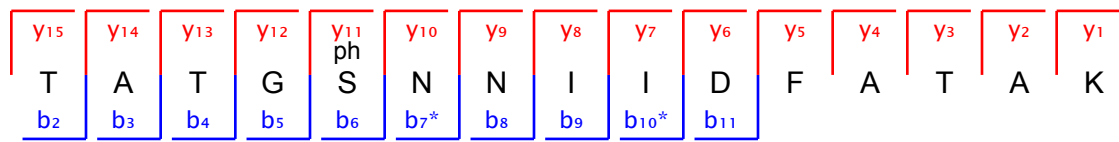
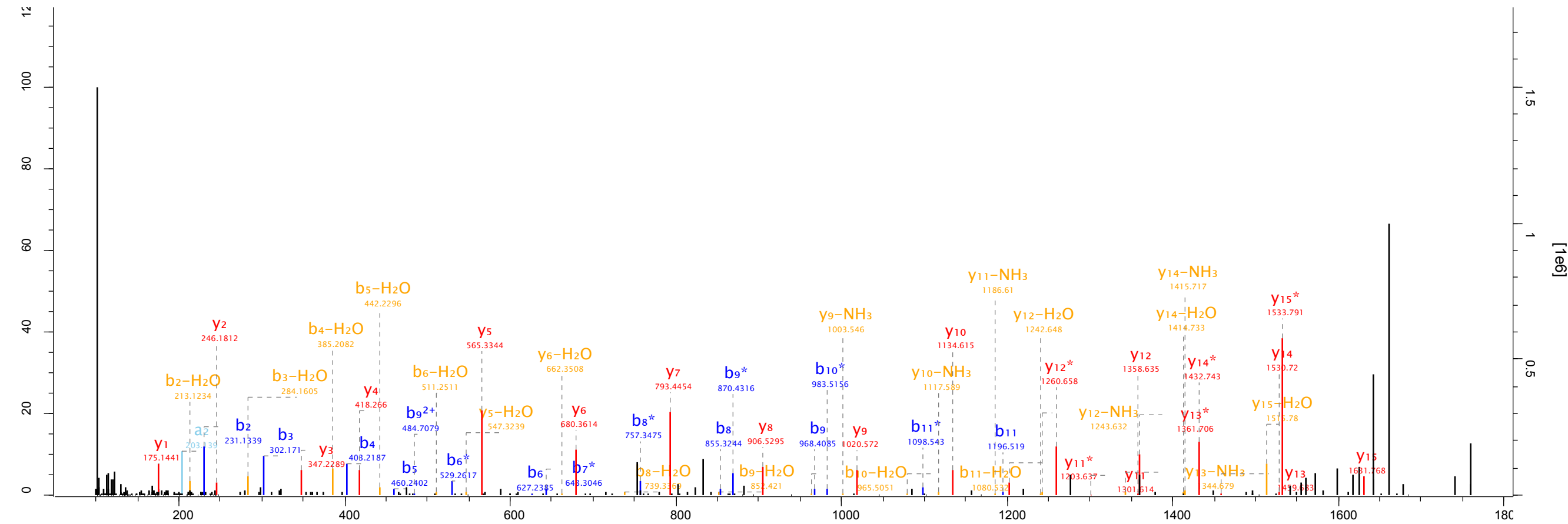


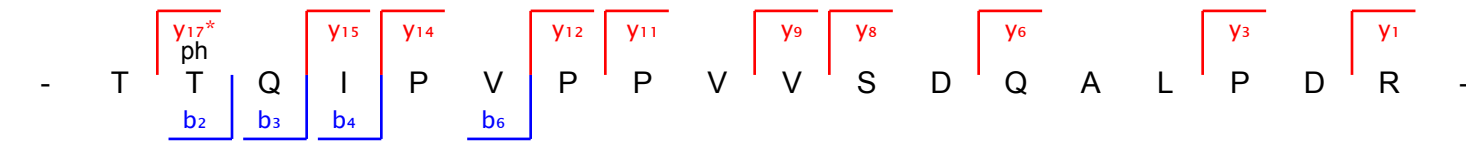
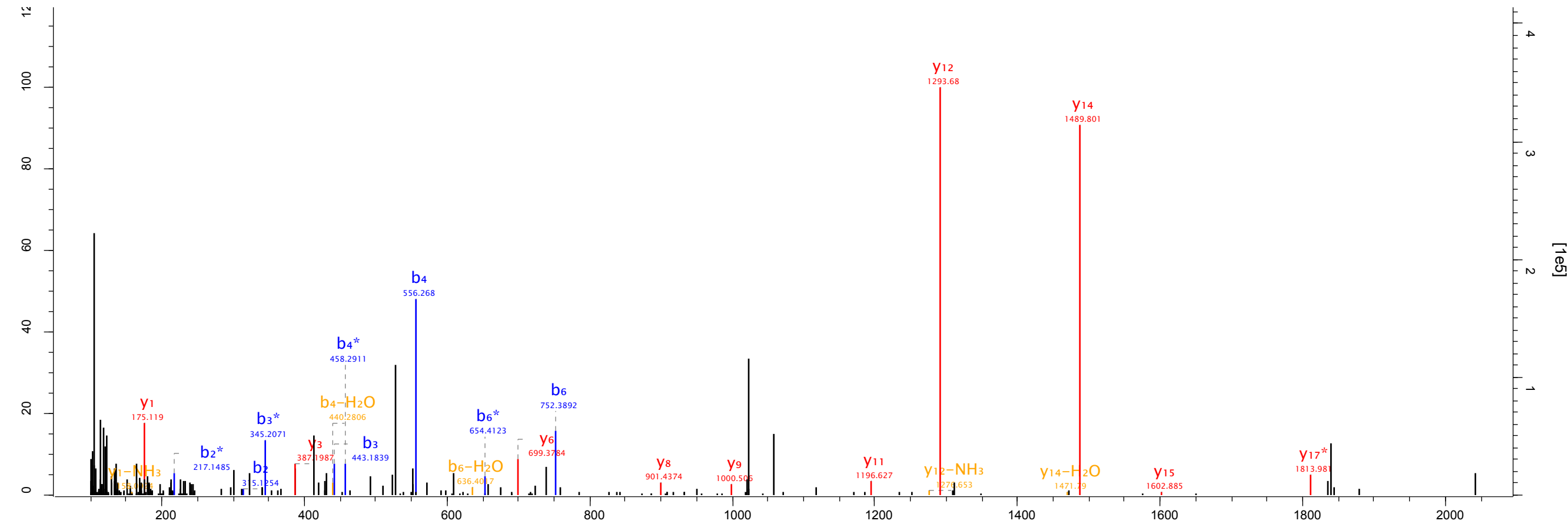


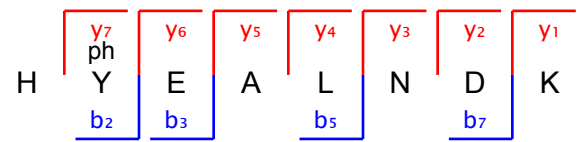
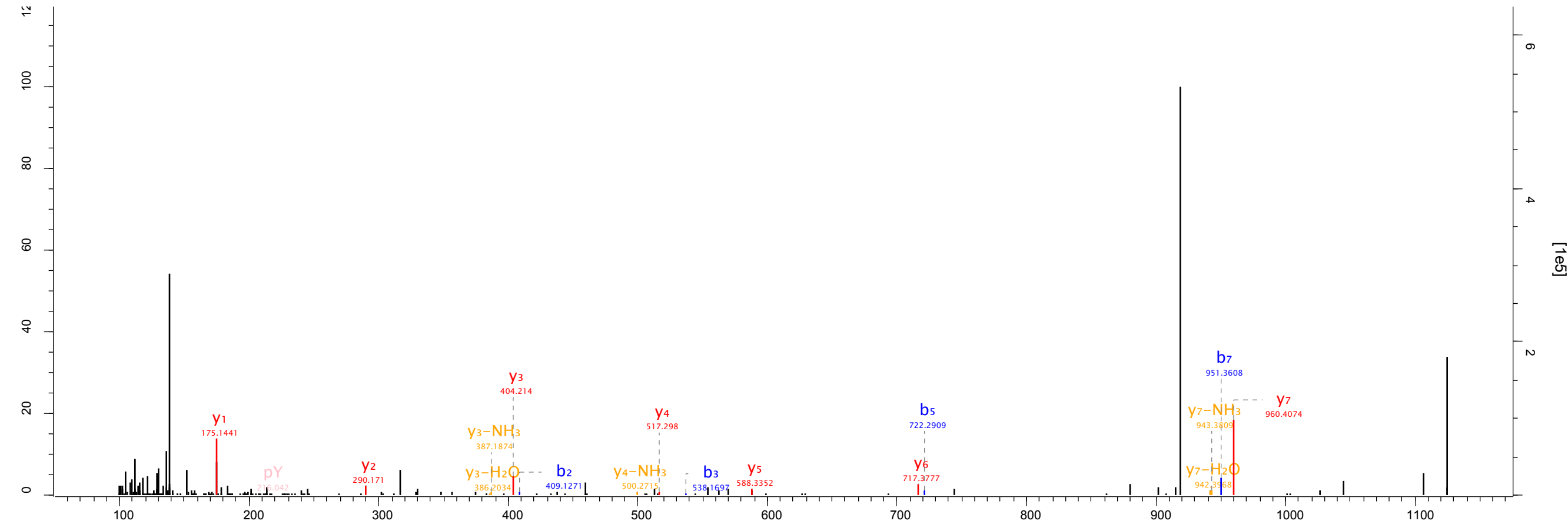


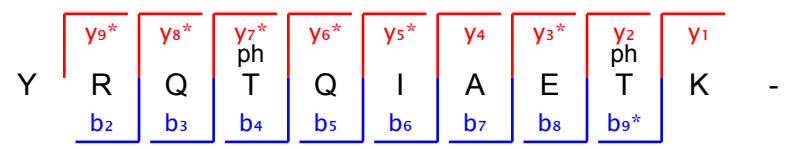
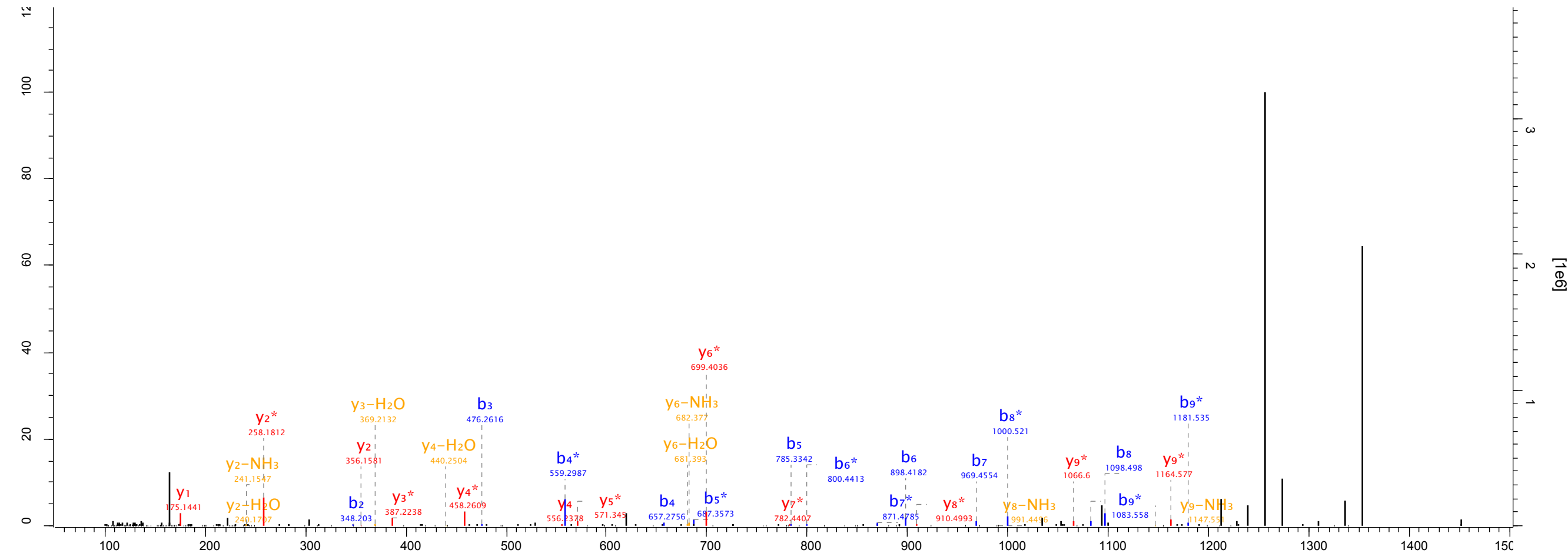


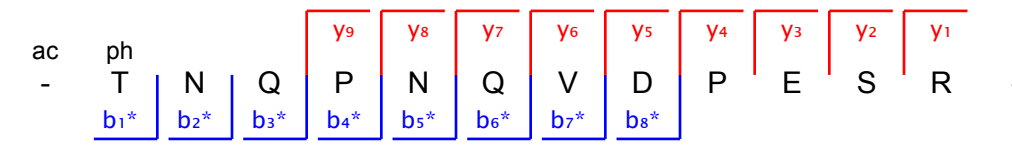
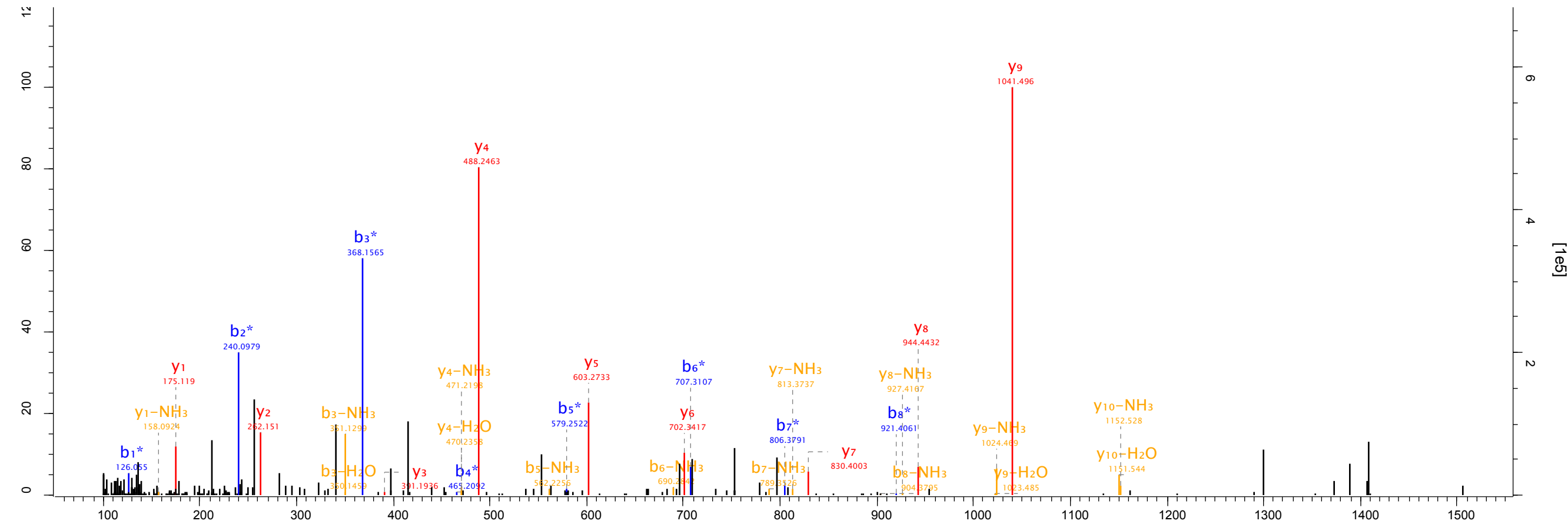


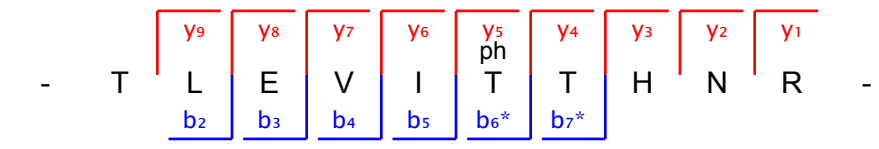
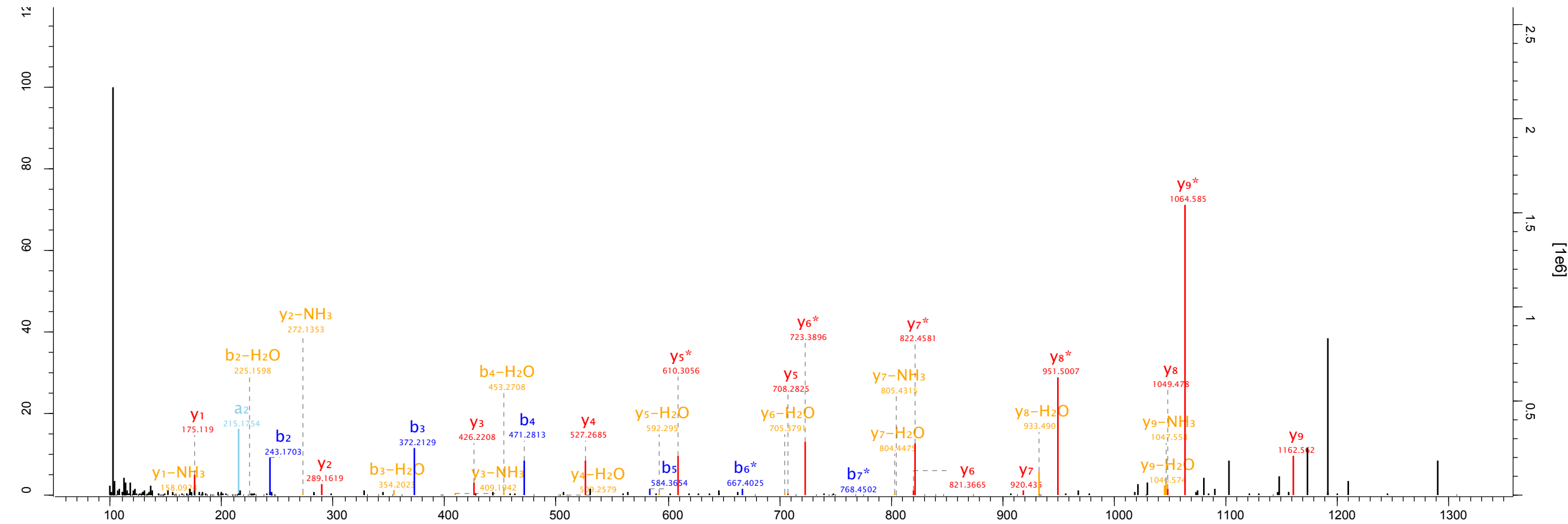


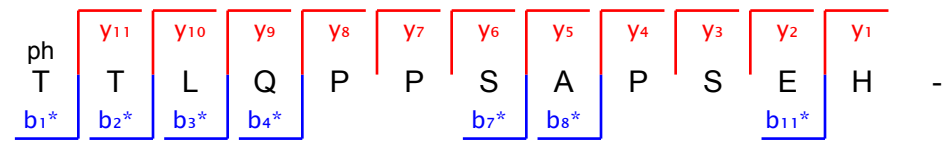
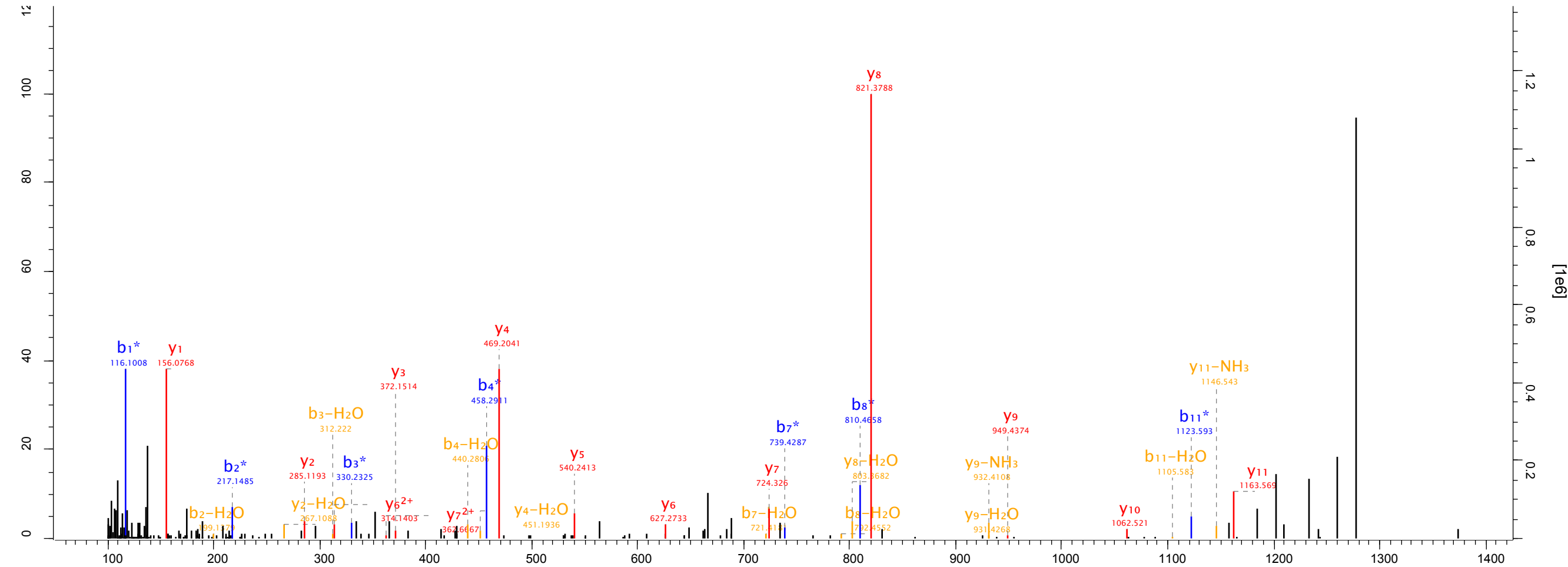


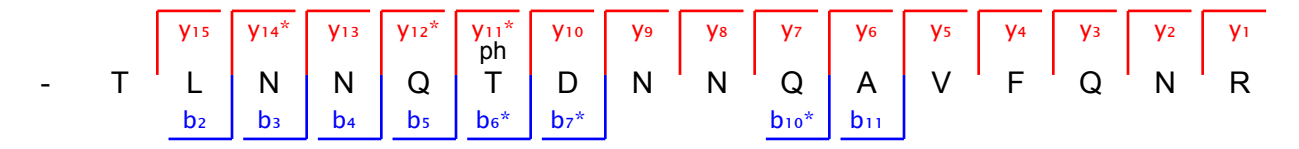
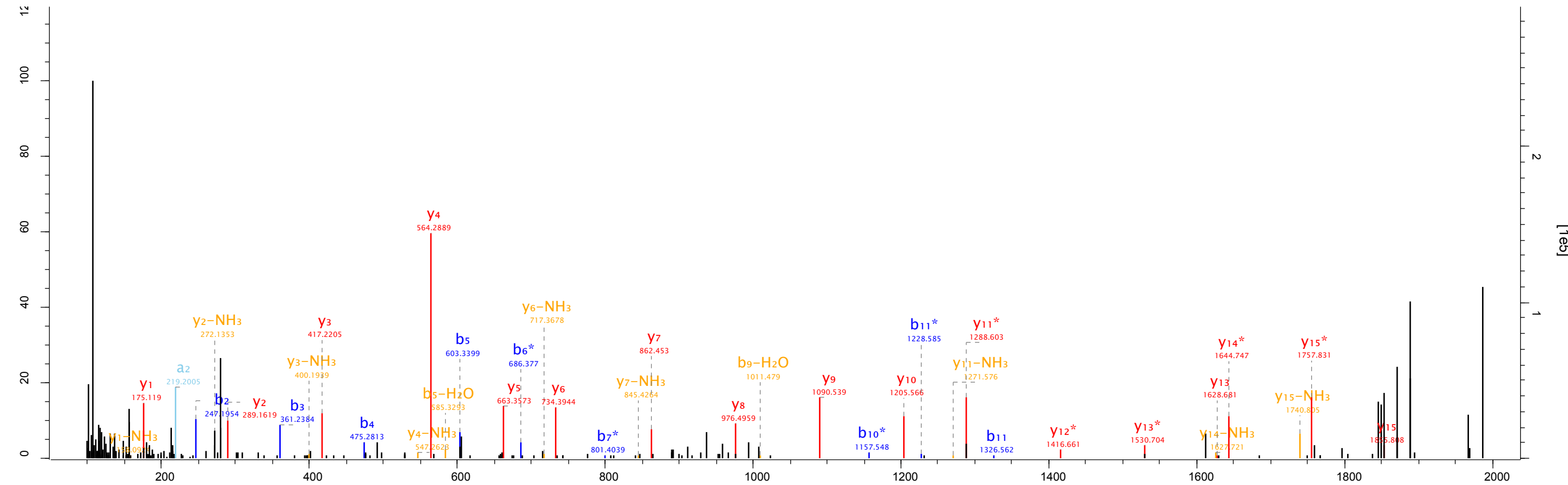


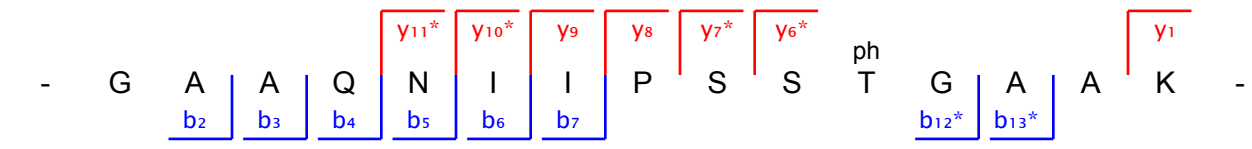
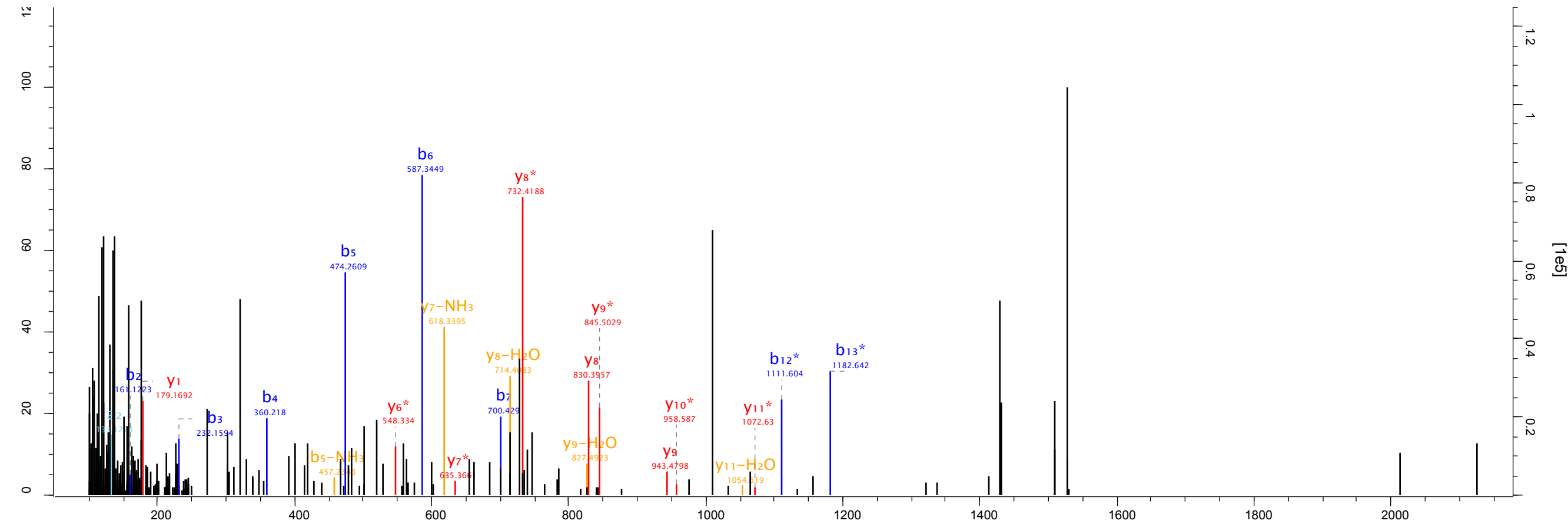


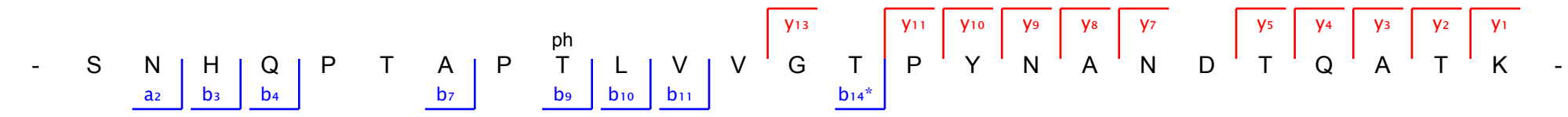
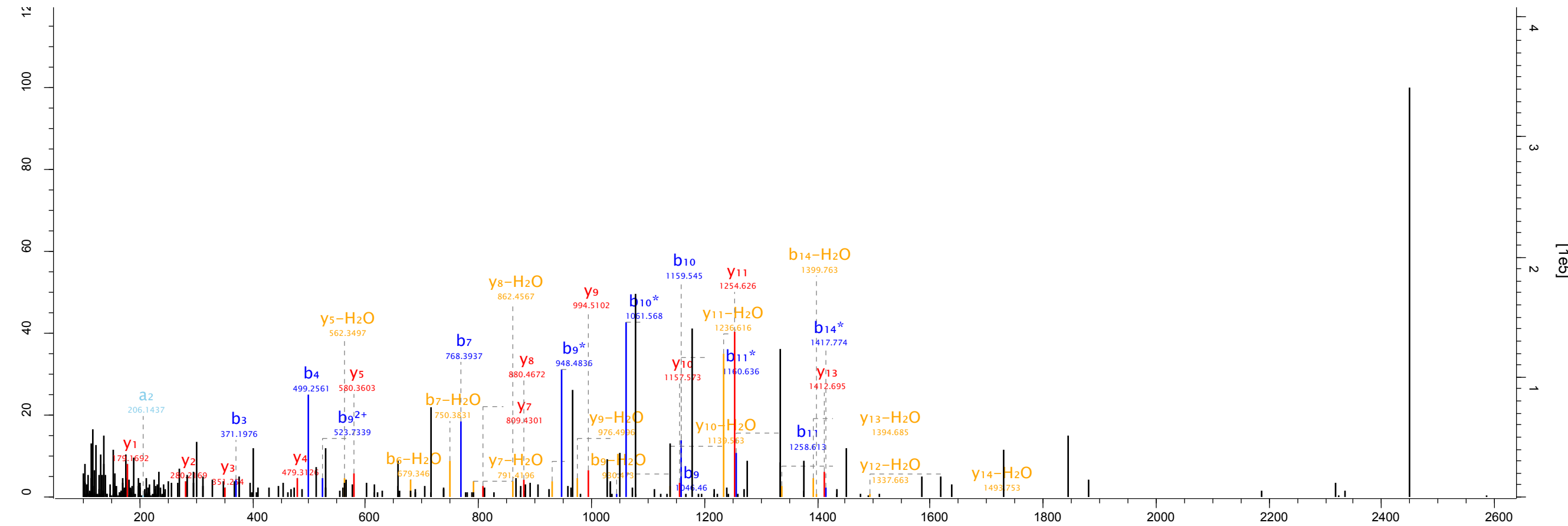


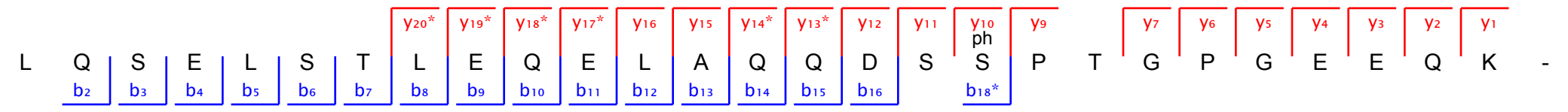
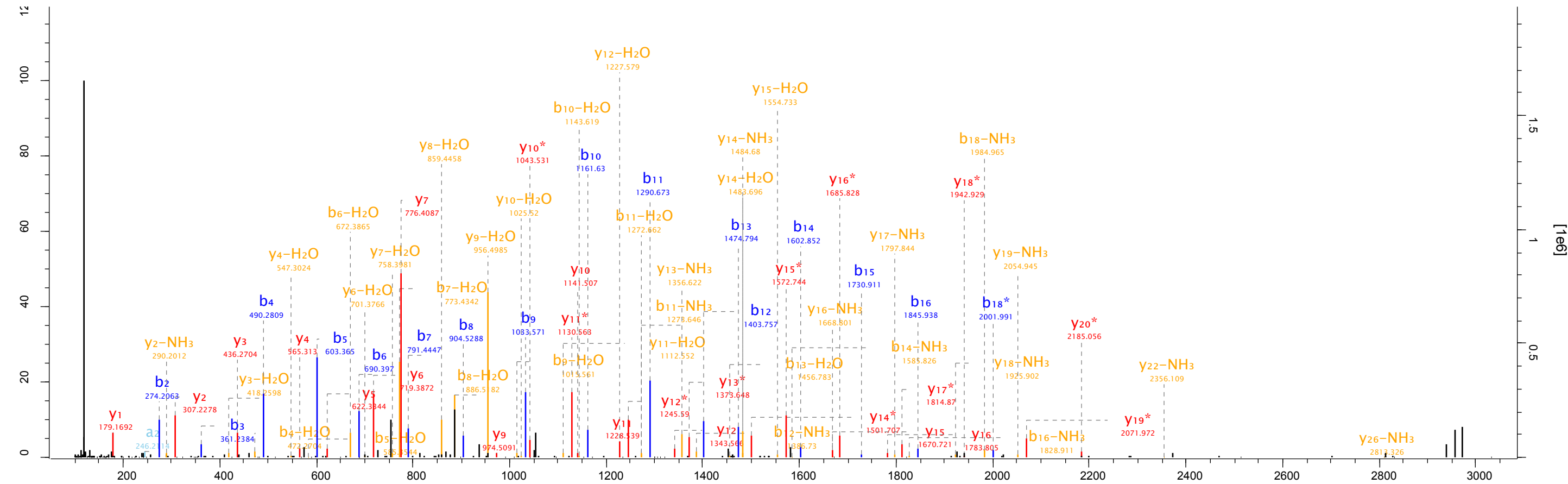


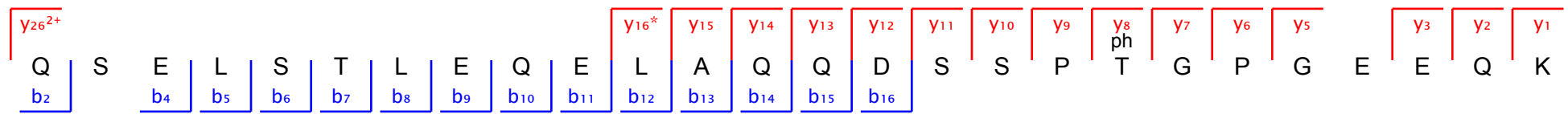
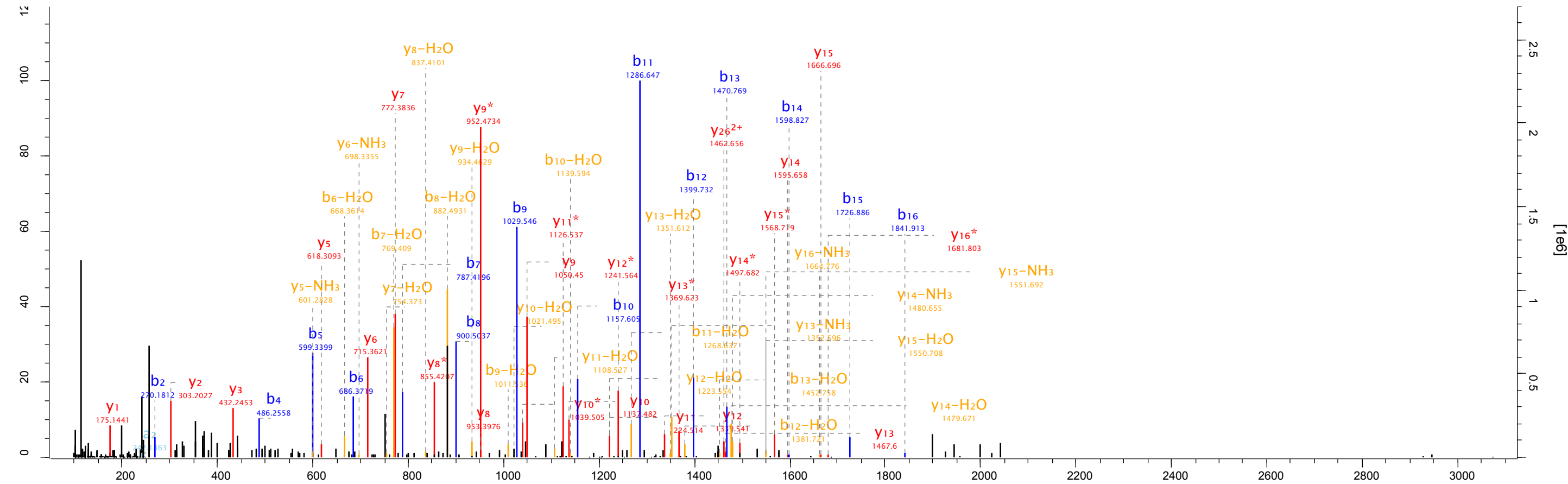


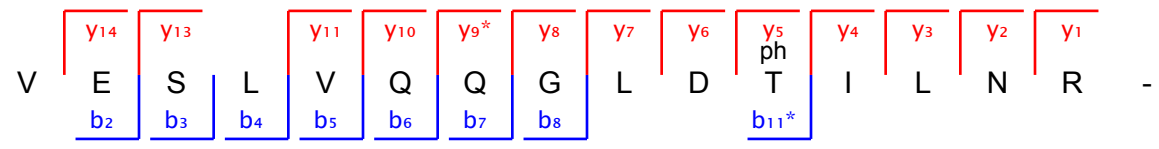
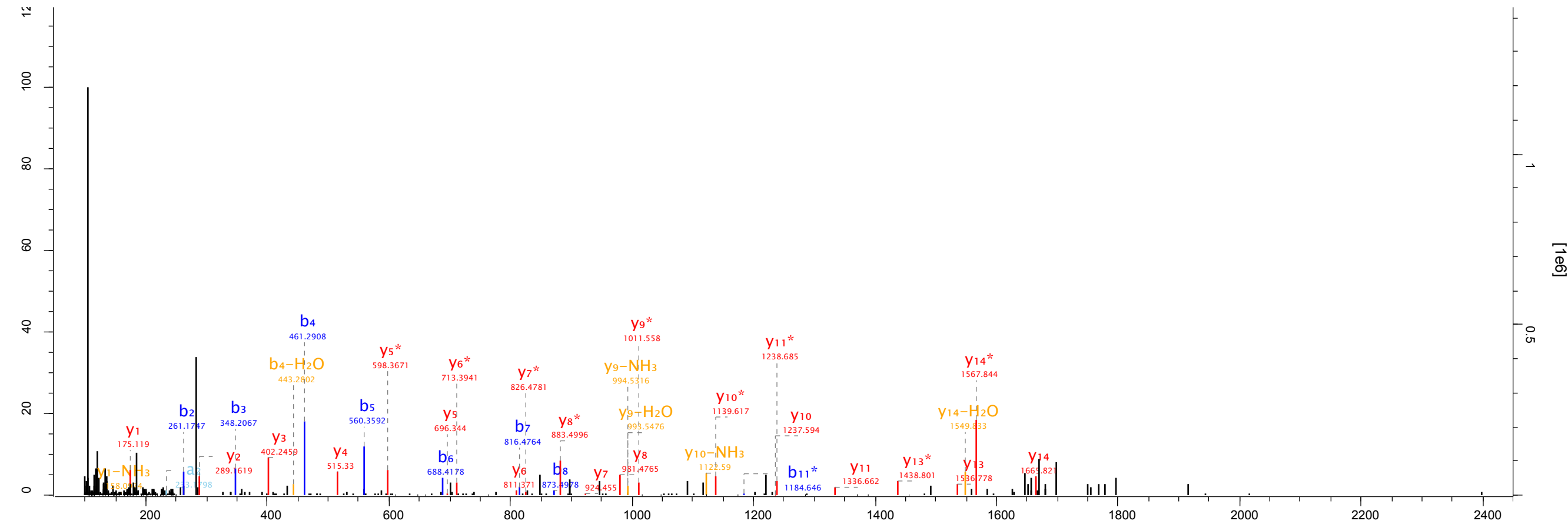


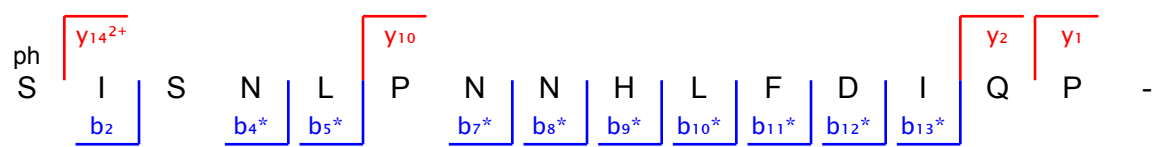
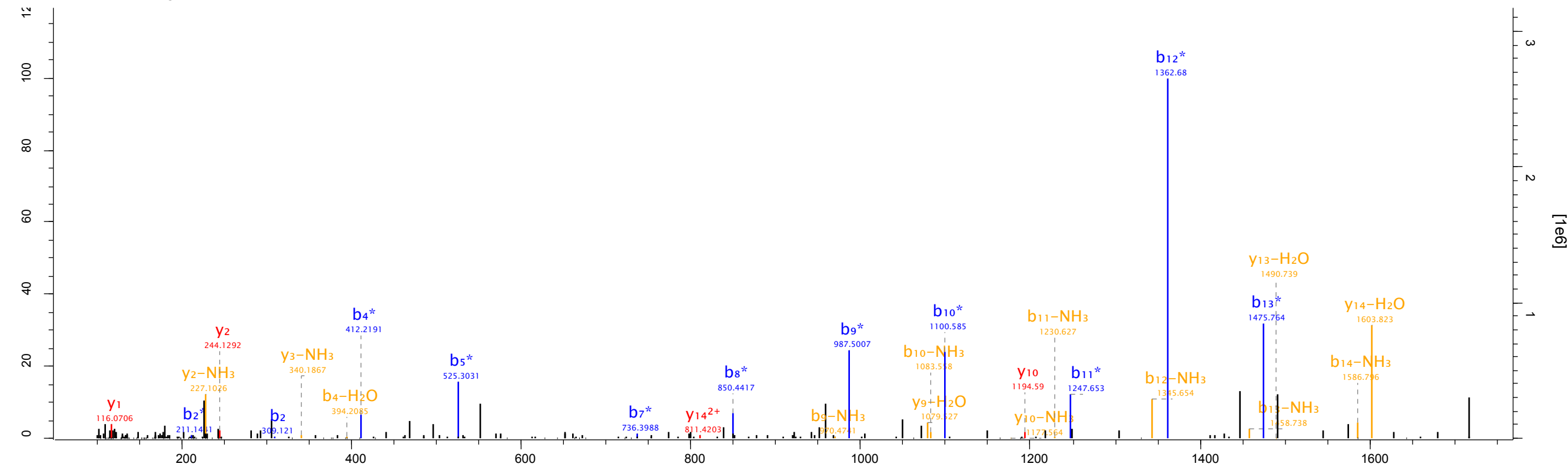


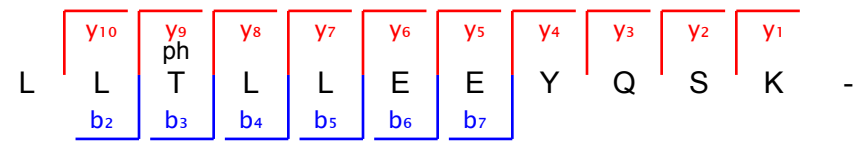
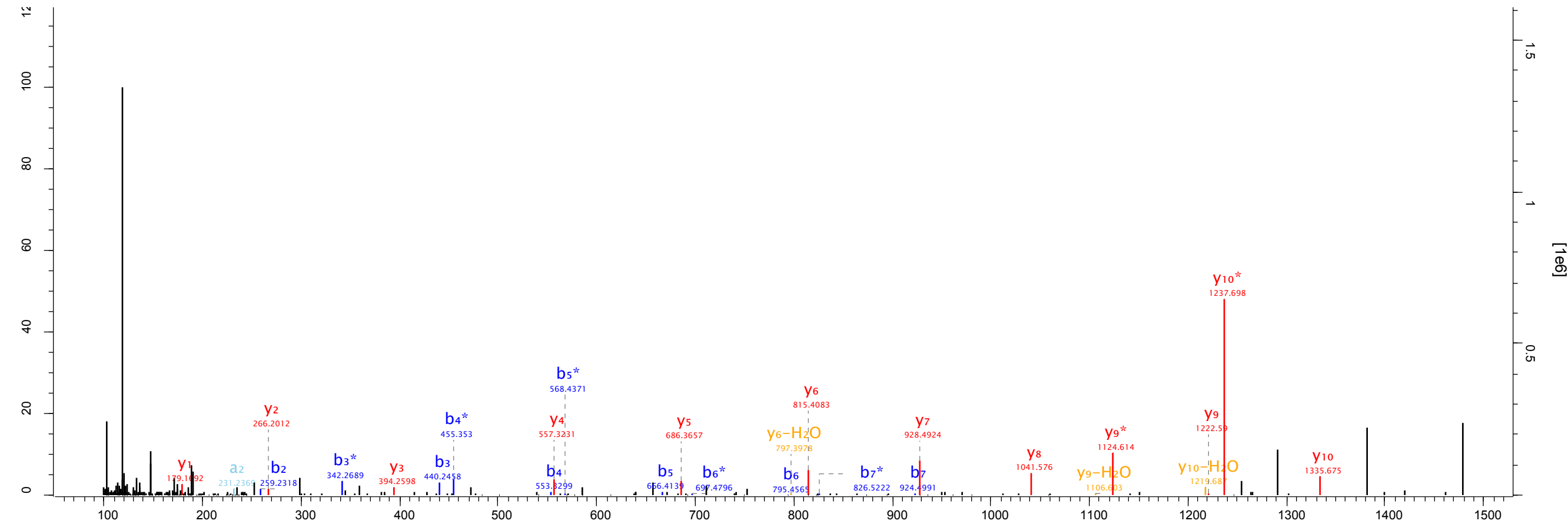


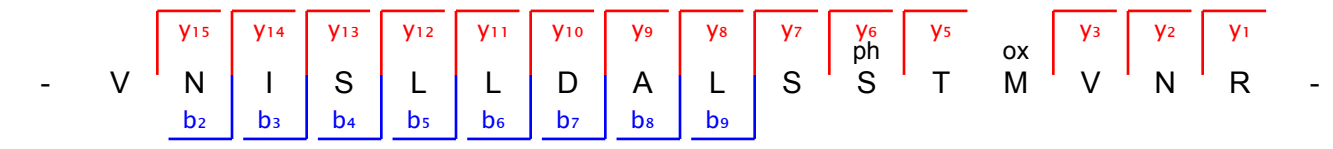
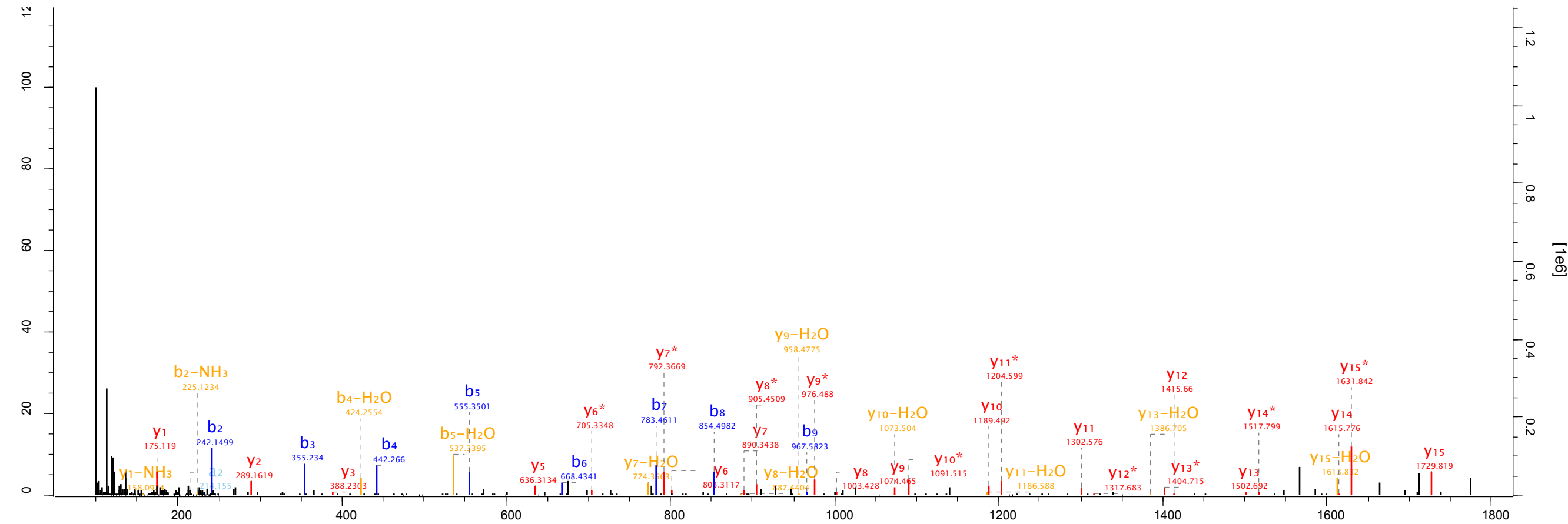


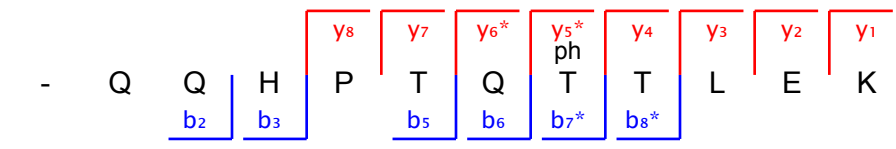
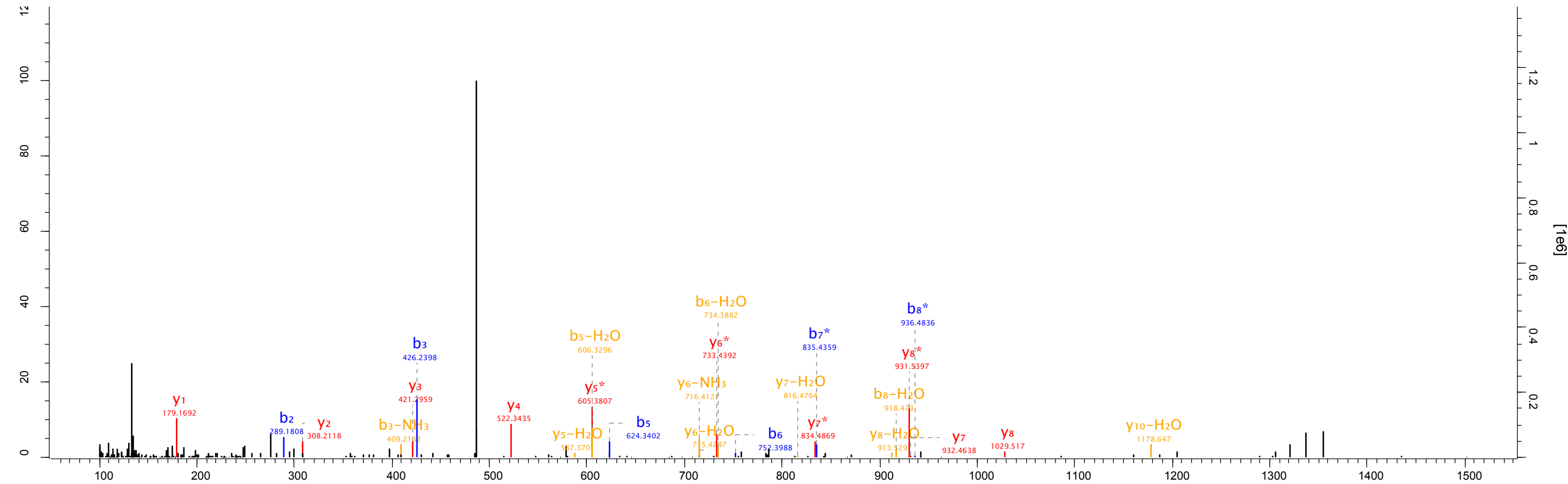


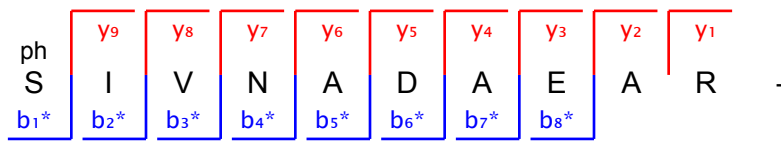
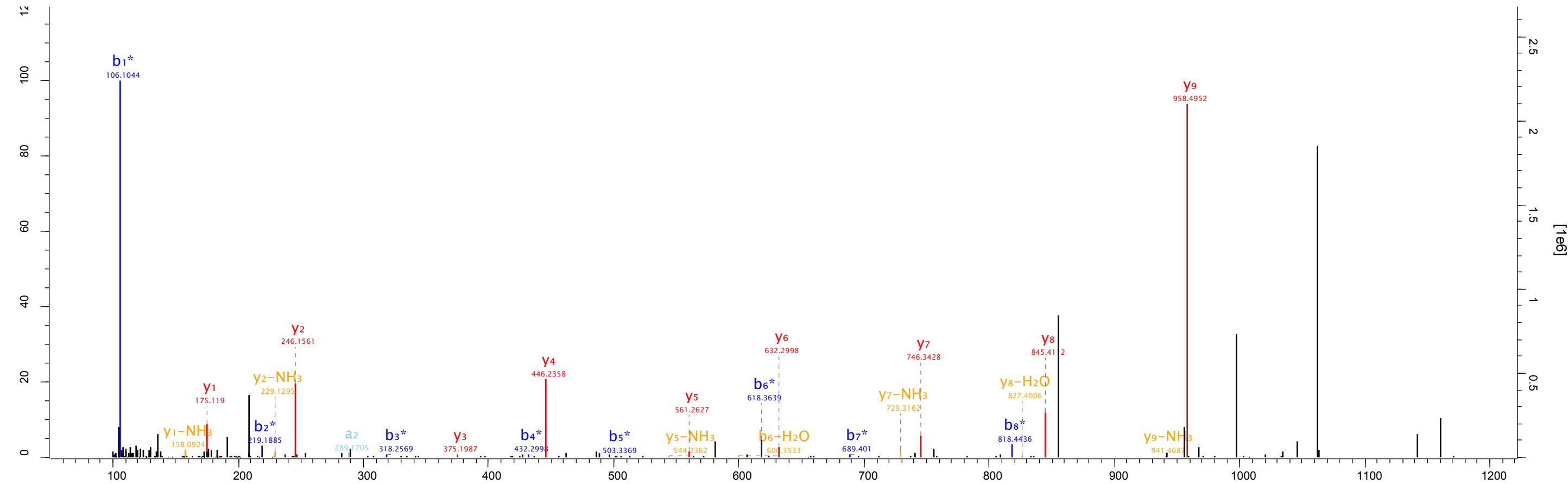


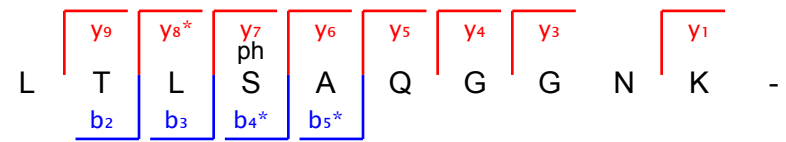
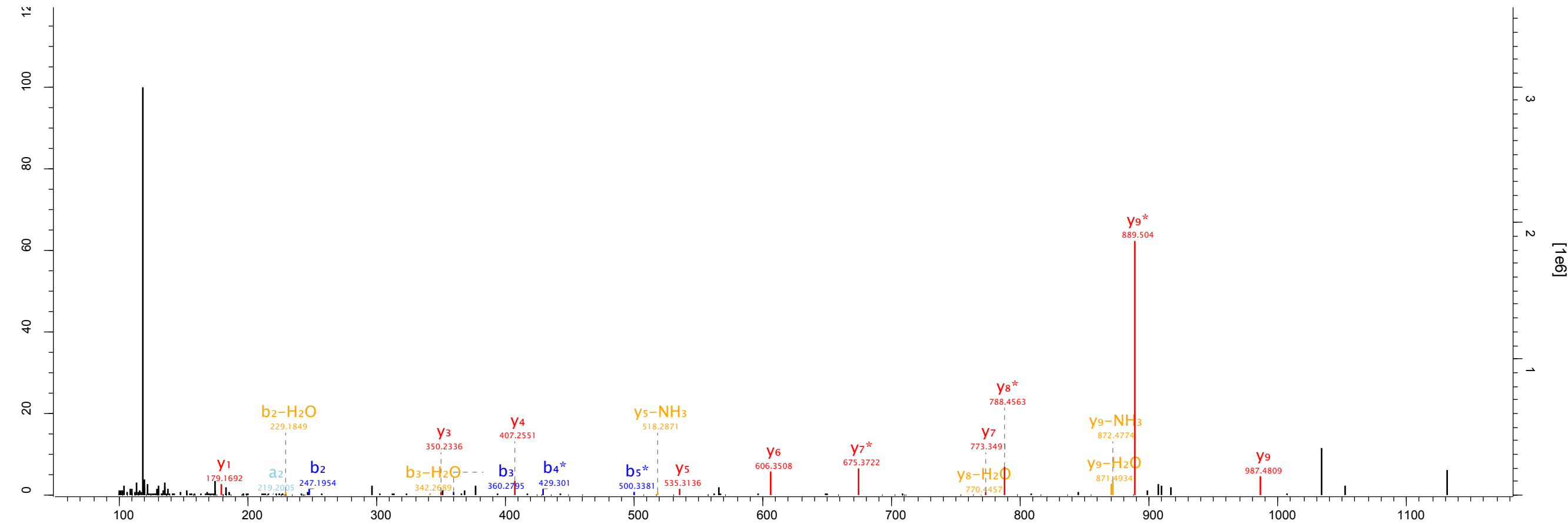


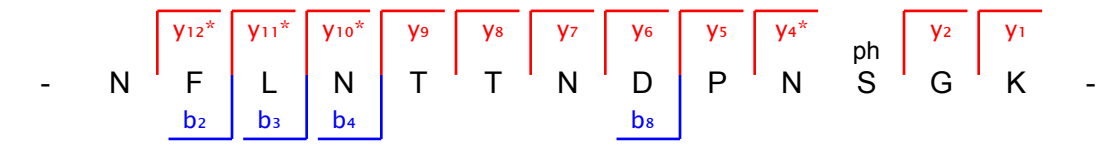
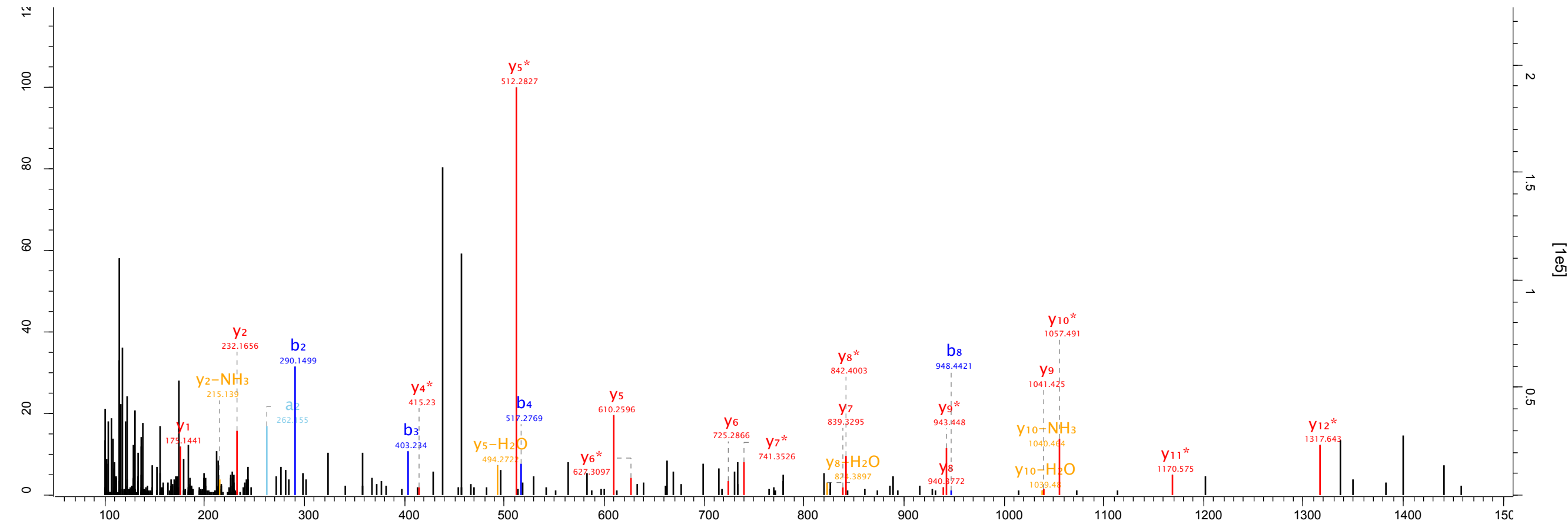


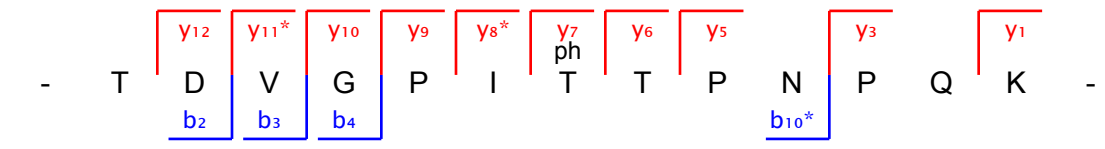
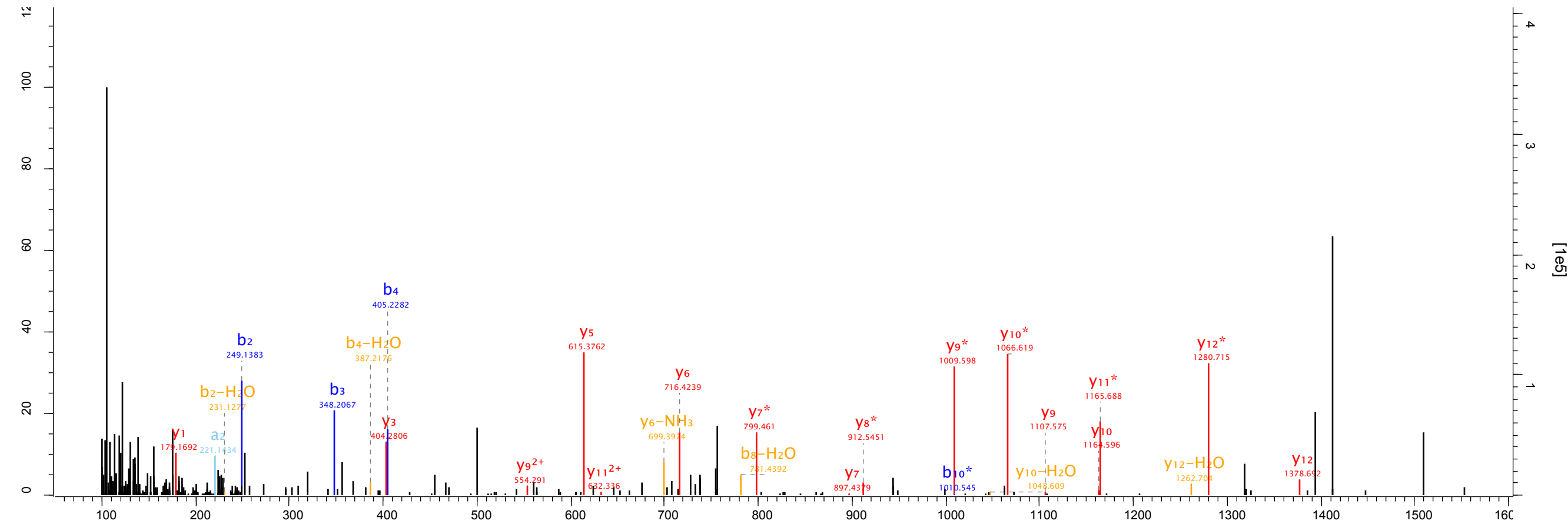


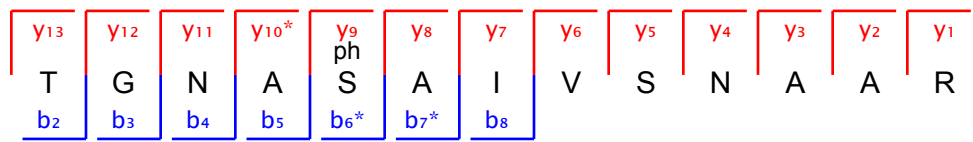
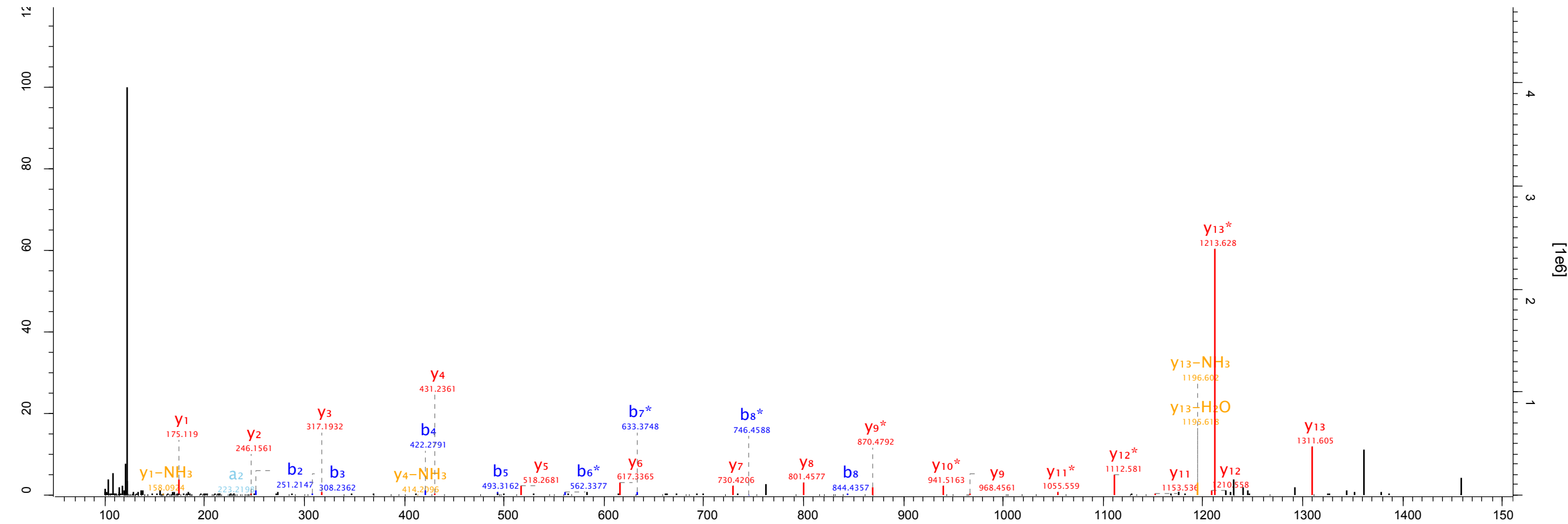


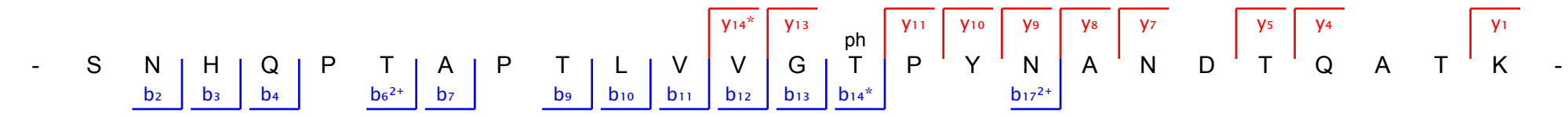
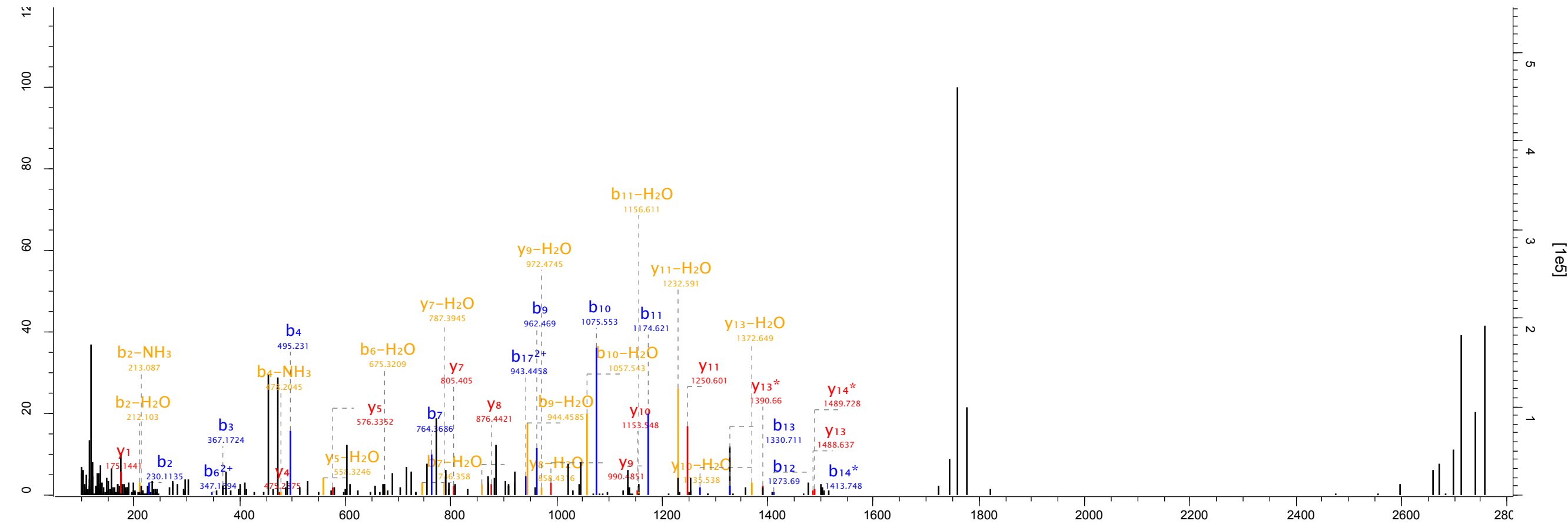


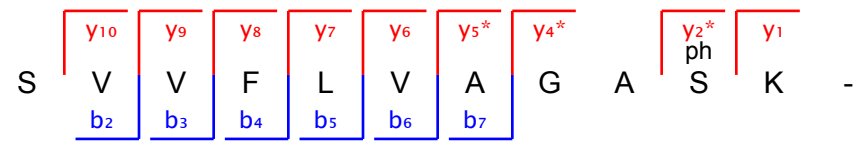
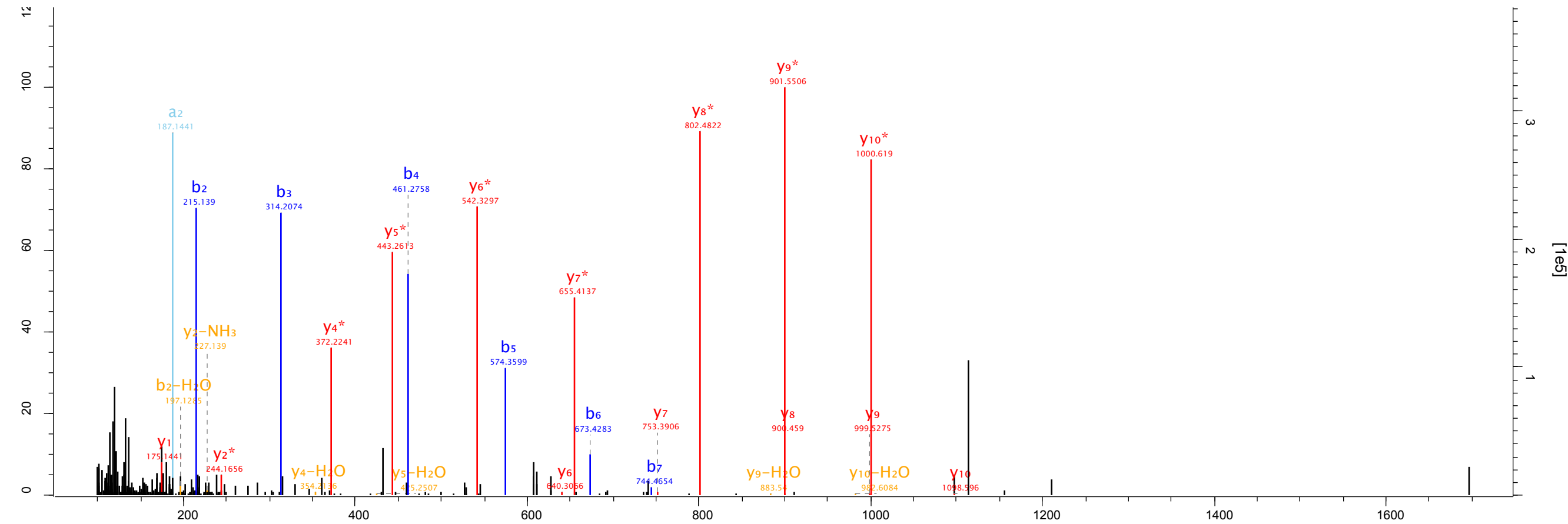


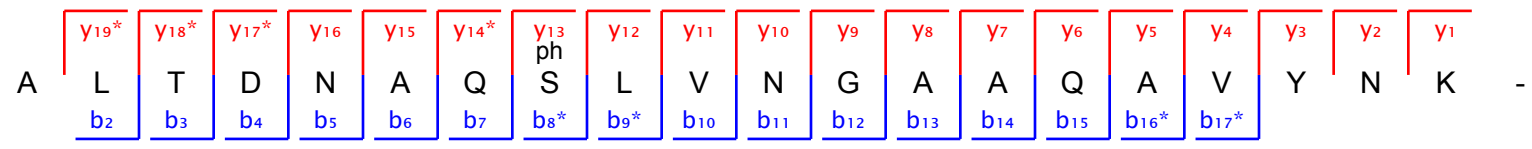
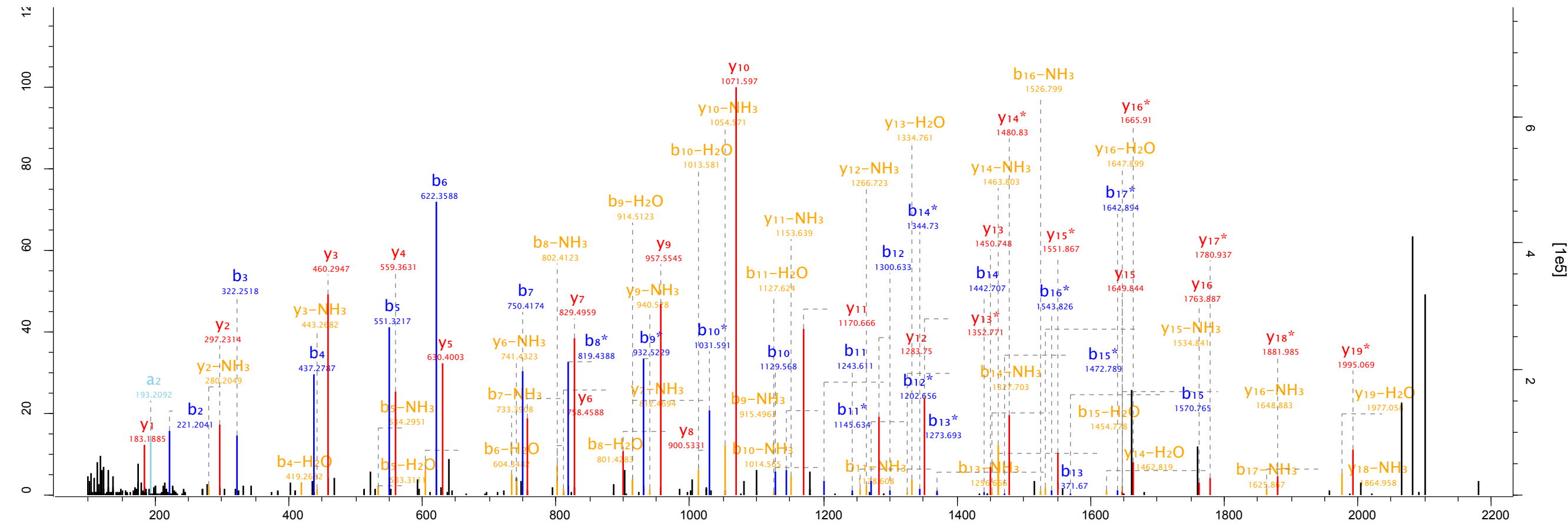


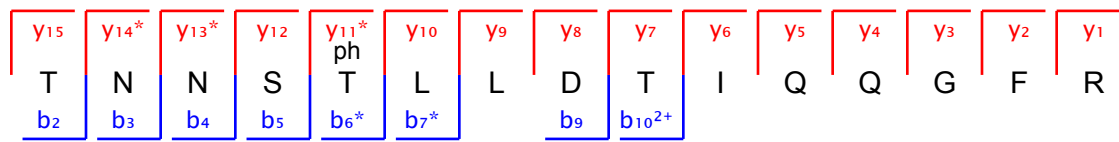
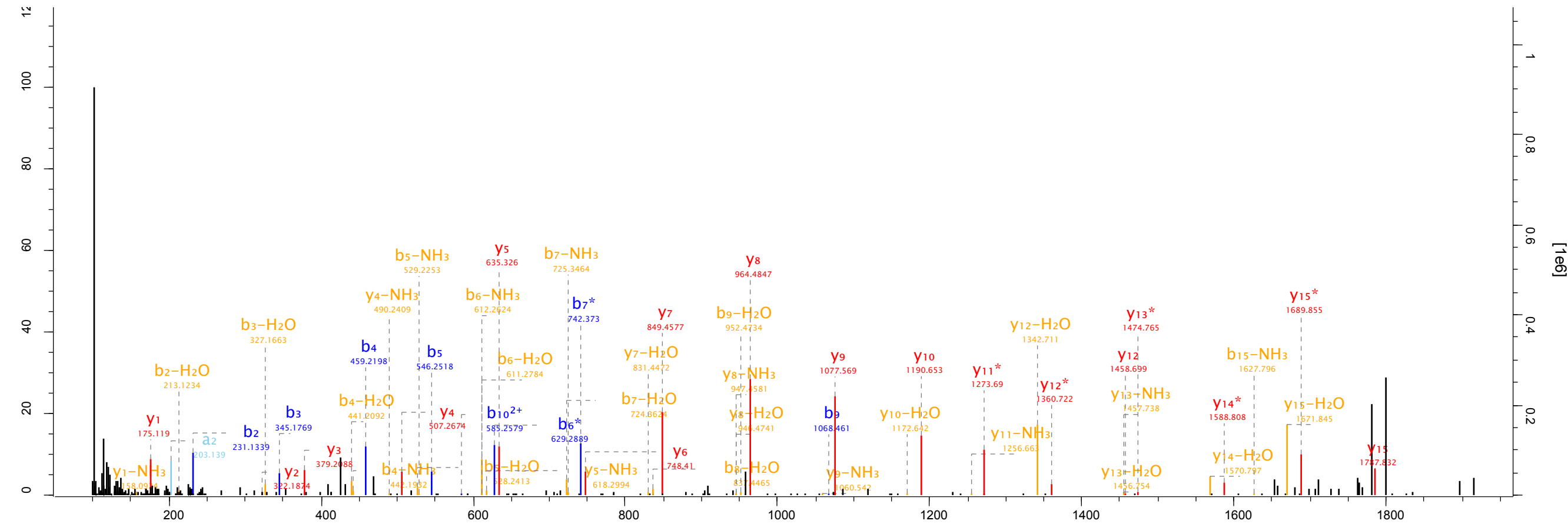


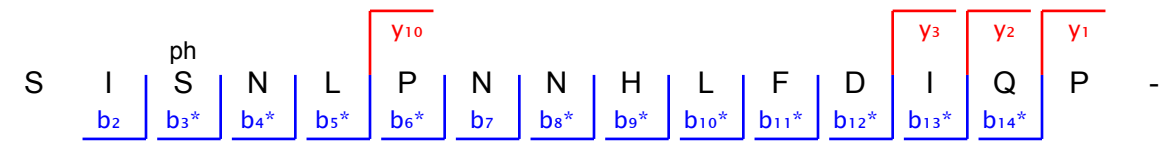
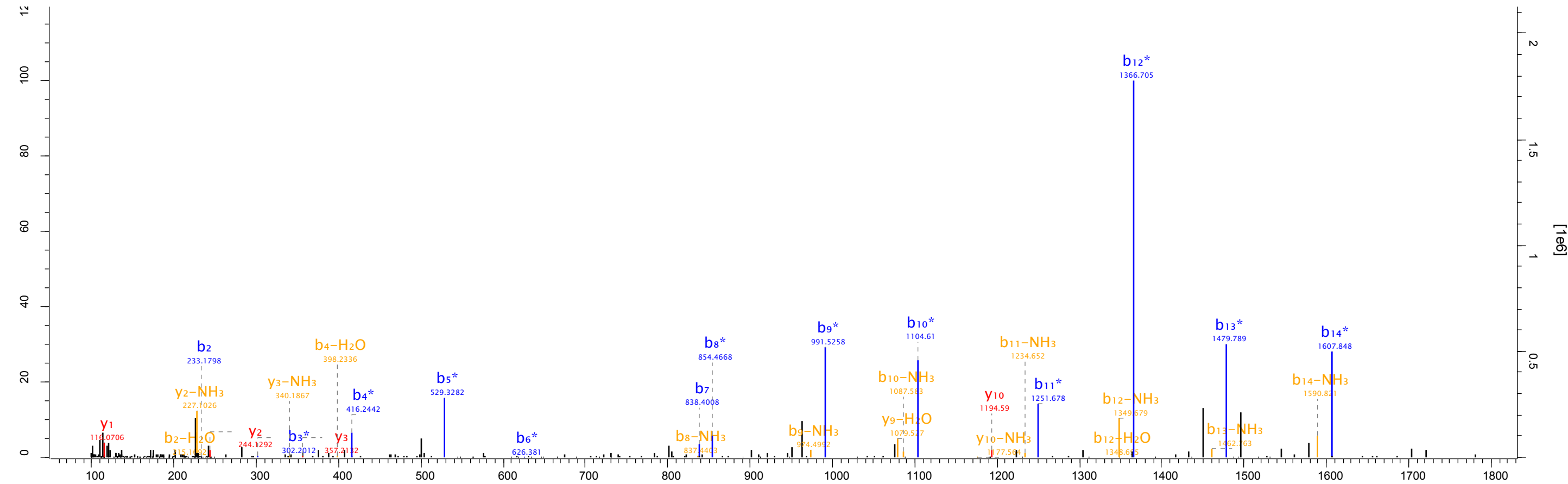


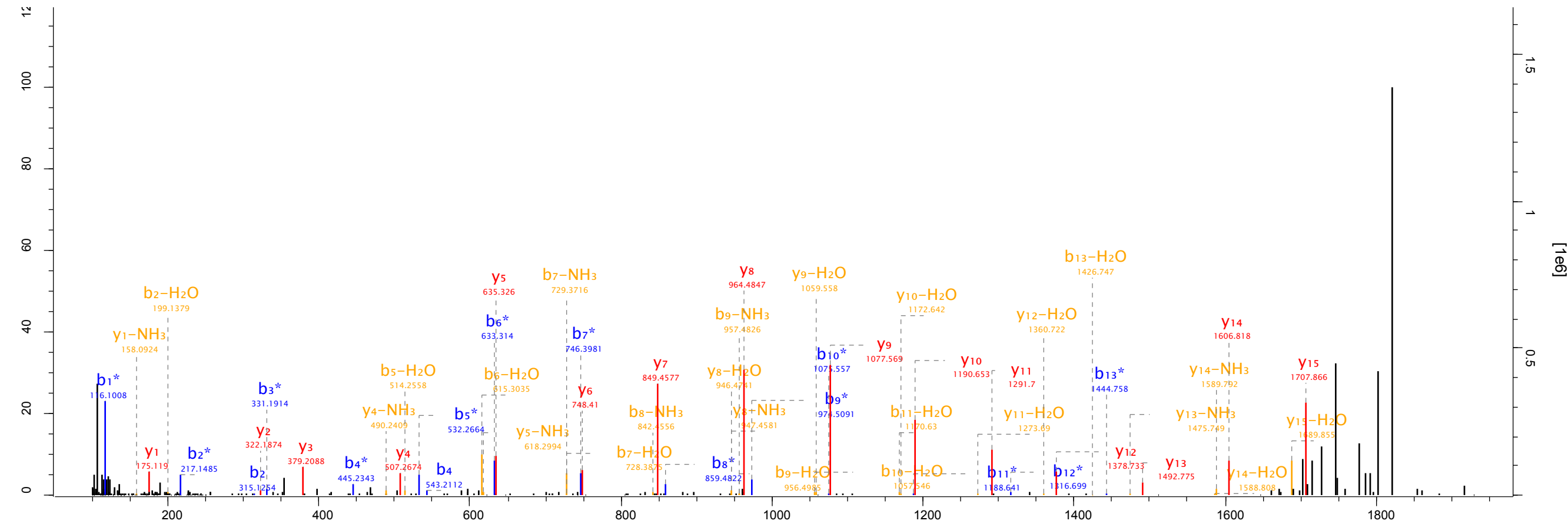












ph	y ₁₅	y ₁₄	y ₁₃	y ₁₂	y ₁₁	y ₁₀	y ₉	y ₈	y ₇	y ₆	y ₅	y ₄	y ₃	y ₂	y ₁	-
T	T	N	N	S	T	L	L	D	T	I	Q	Q	G	F	R	-
b ₁ [*]	b ₂	b ₃ [*]	b ₄	b ₅ [*]	b ₆ [*]	b ₇ [*]	b ₈ [*]	b ₉ [*]	b ₁₀ [*]	b ₁₁ [*]	b ₁₂ [*]	b ₁₃ [*]				

