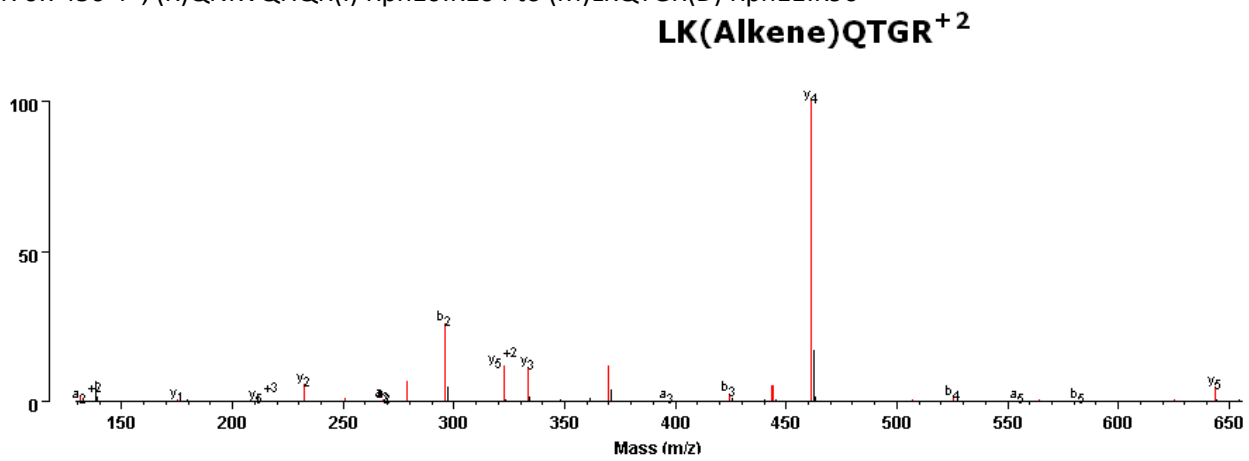
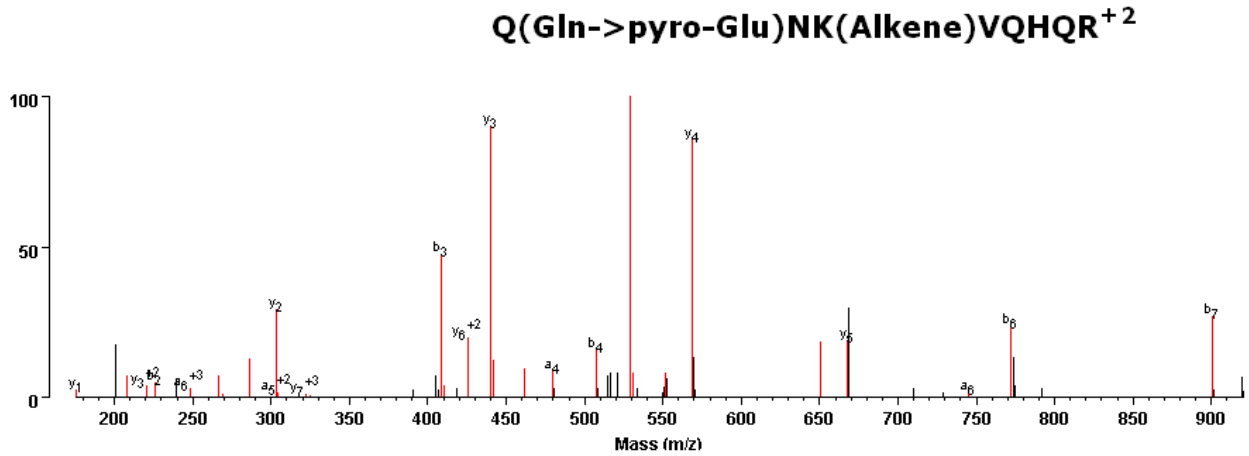
Supplementary Figure 1. MS3 sequence mass spectra of DSSO Interlinked peptides of the yeast 19S RP

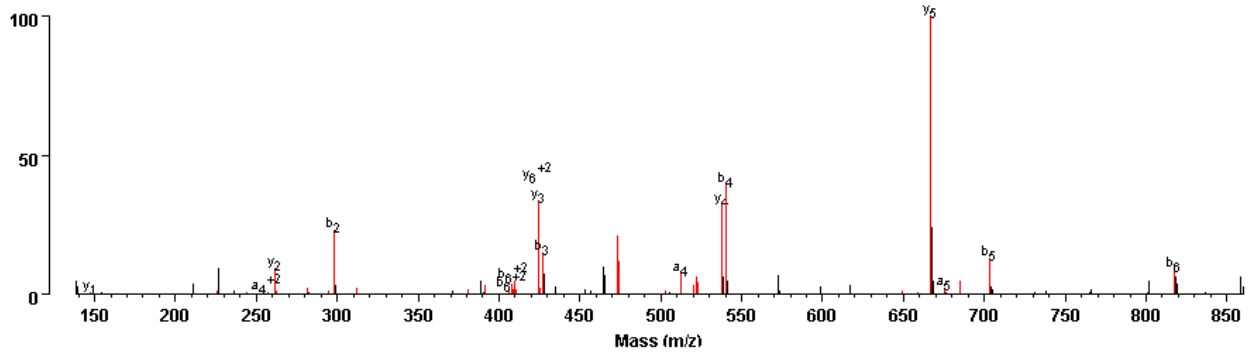
470.7456 4+, (R)QNKVQHQR(I) Rpn10:K104 to (M)LKQTGR(D) Rpn11:K96



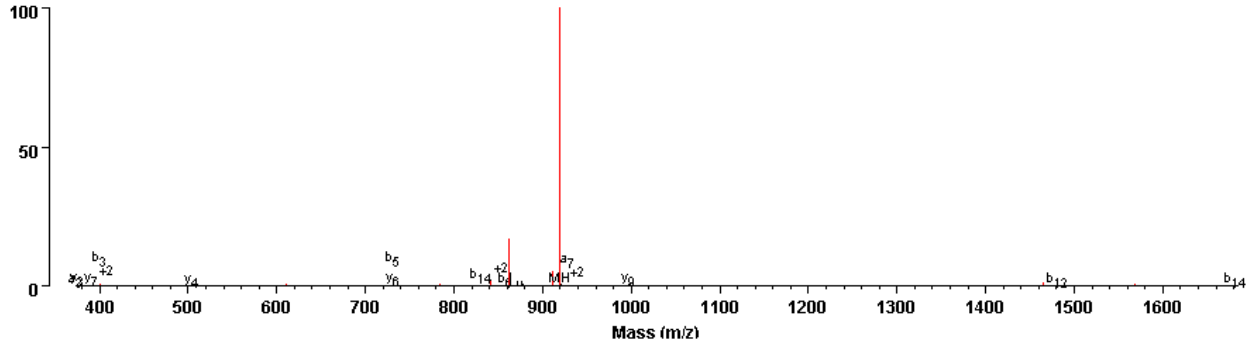


705.3648 4+, (R)DREPKEPVALIETVR(Q) Rpn2:K911 to (K)DKEIYNK(M) Rpn13:K119

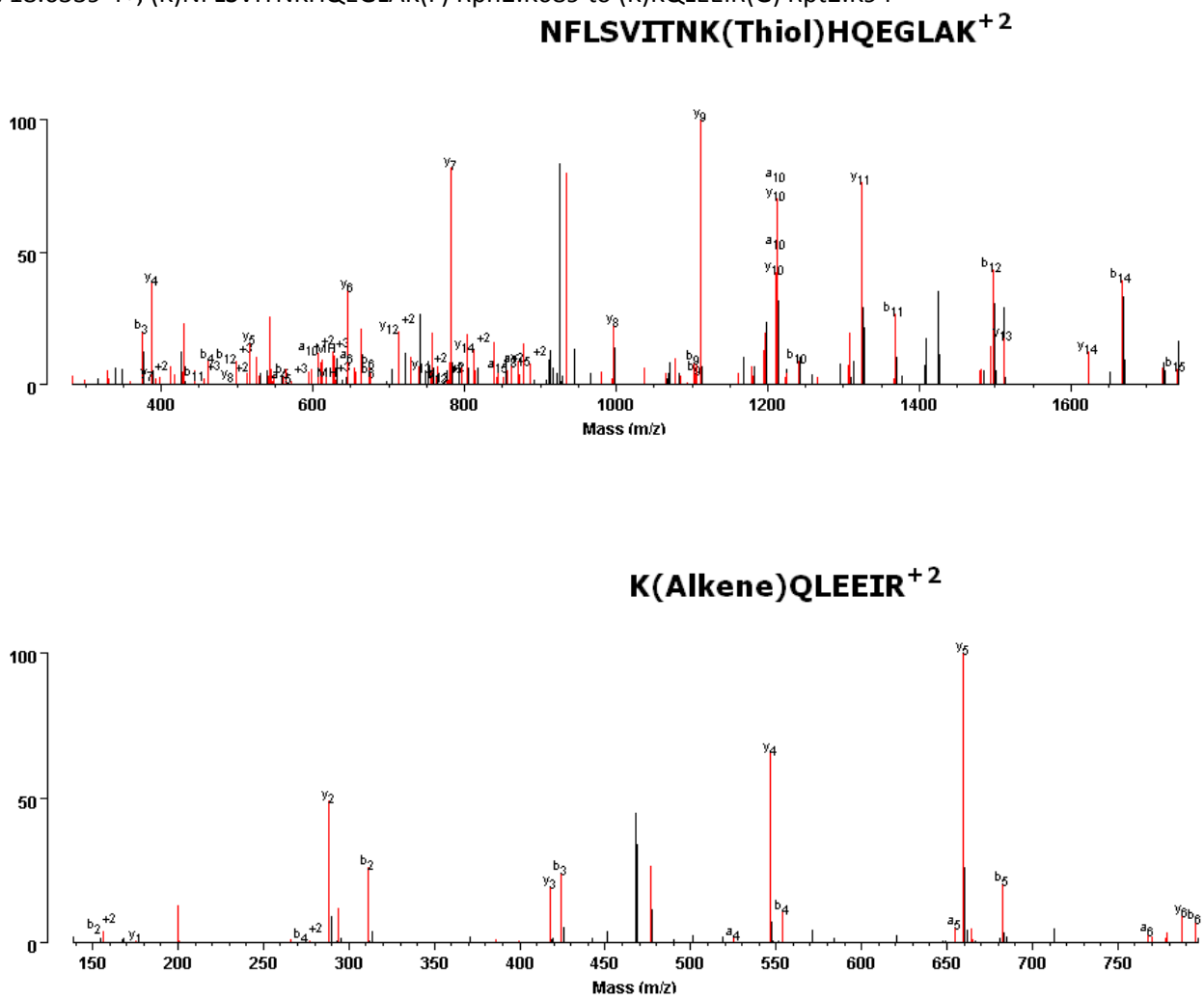
DK(Alkene)EIYNK^{+2}



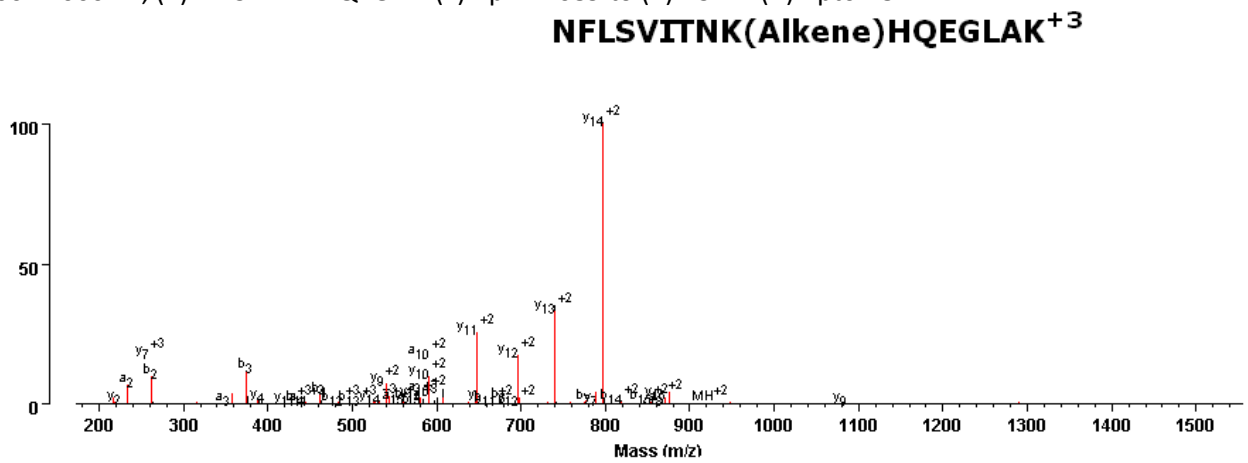
DREPK(Sulfenic)EPVALIETVR^{+2}

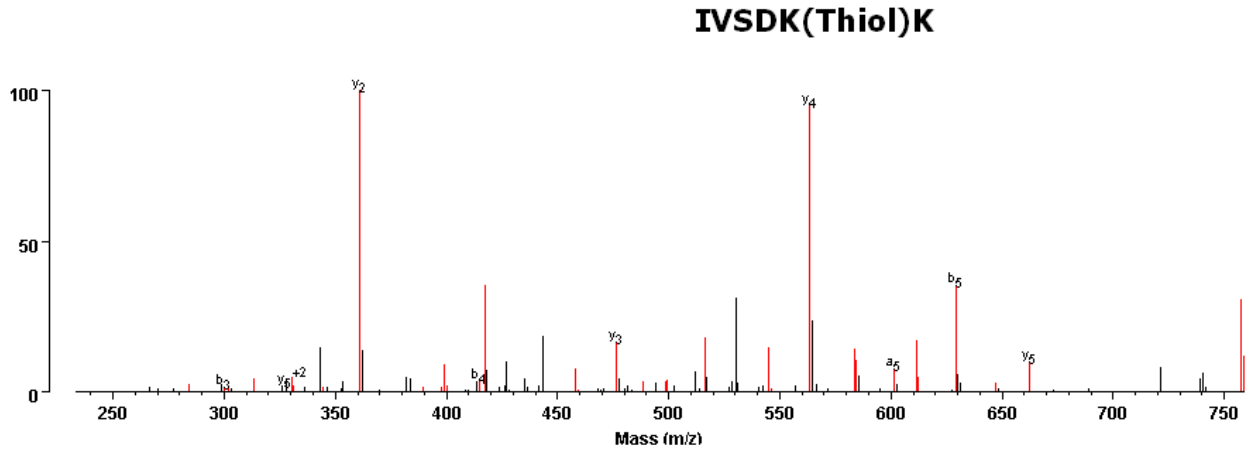


718.6339 4+, (K)NFLSVITNKHQEGLAK(F) Rpn2:K689 to (K)KQLEEIR(G) Rpt2:K94

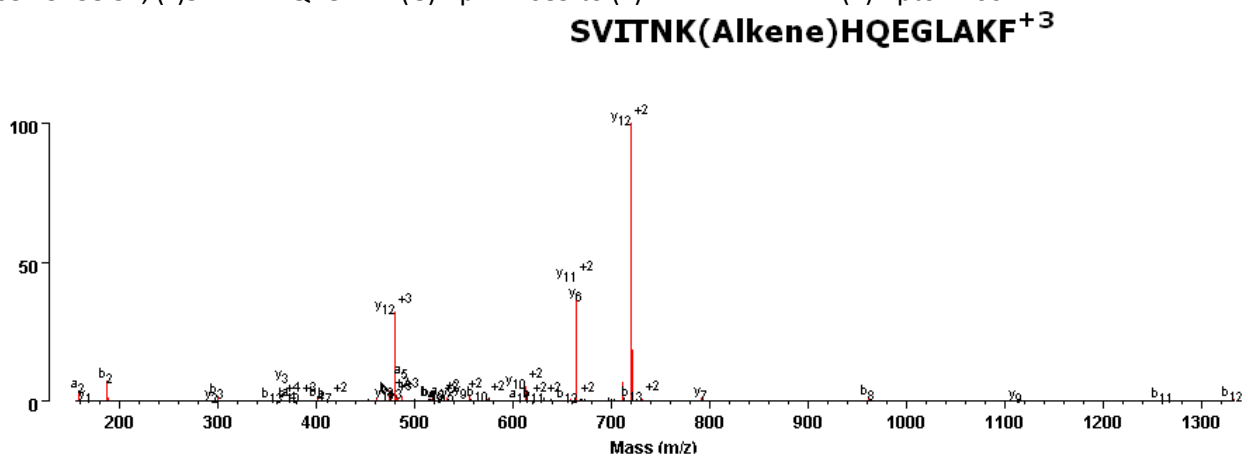


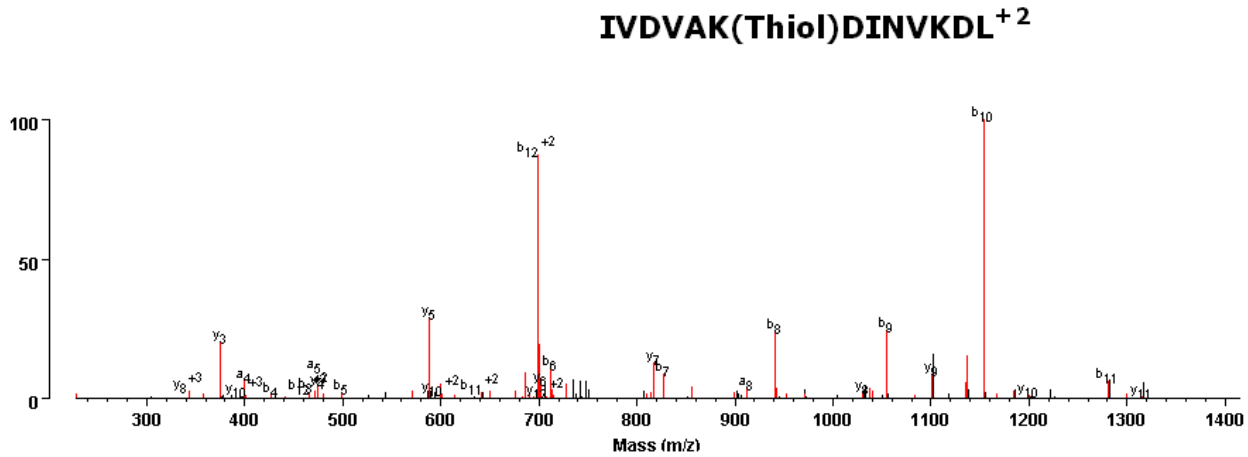
662.1066 4+, (K)NFLSVITNKHQEGLAK(F) Rpn2:K689 to (K)IVSDKK(V) Rpt6:K82



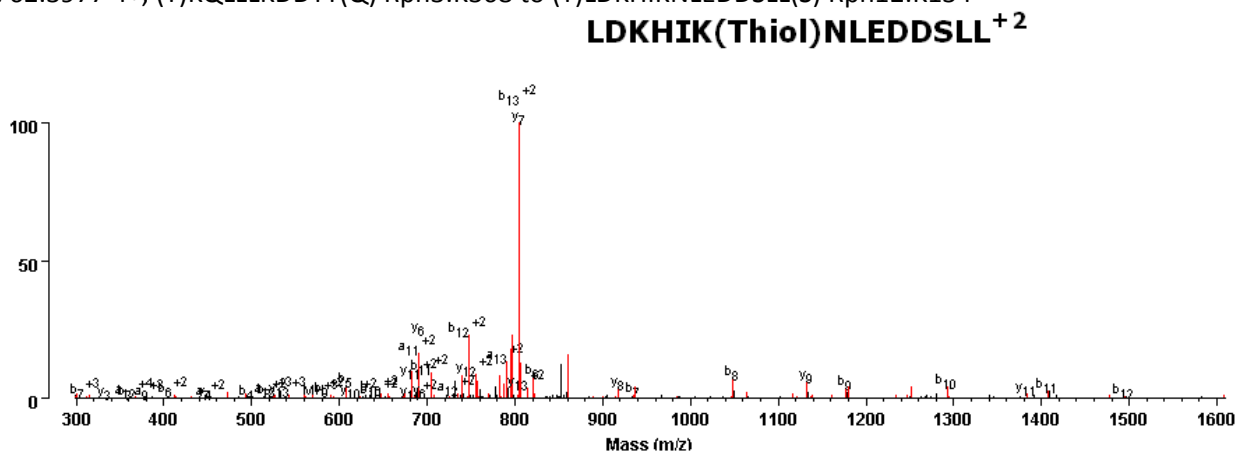


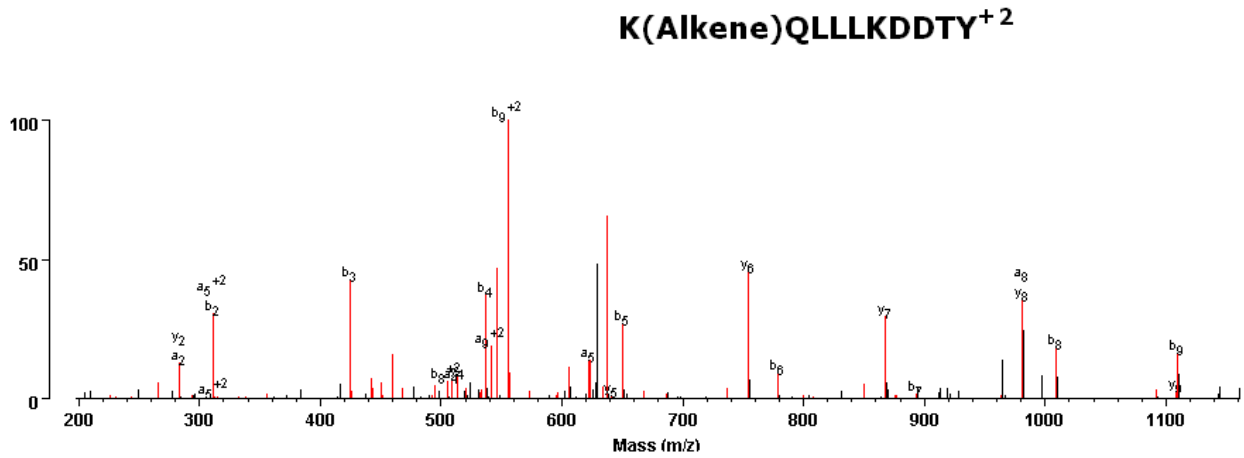
634.9438 5+, (L)SVITNKHQEGLAKF(G) Rpn2:K689 to (Y)IVDVAKDINVKDL(K) Rpt6:K100



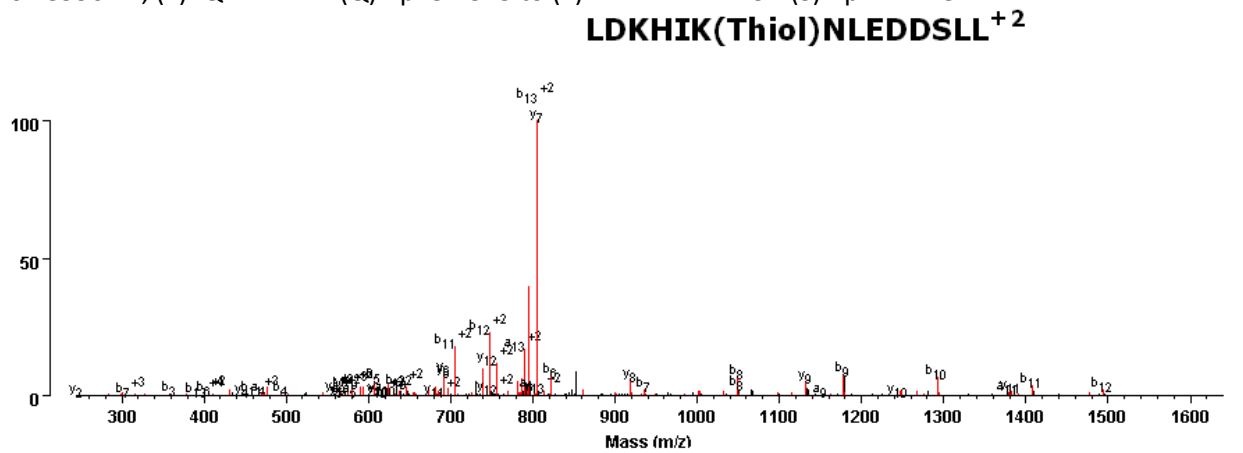


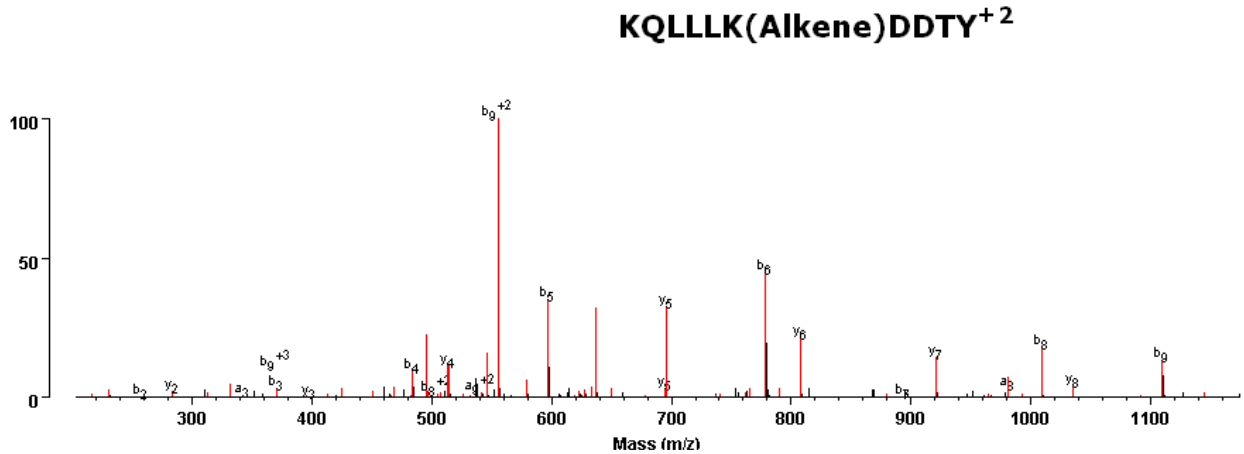
762.3977 4+, (Y)KQLLLKDDTY(Q) Rpn3:K368 to (Y)LDKHIKNLEDDSLL(S) Rpn12:K134



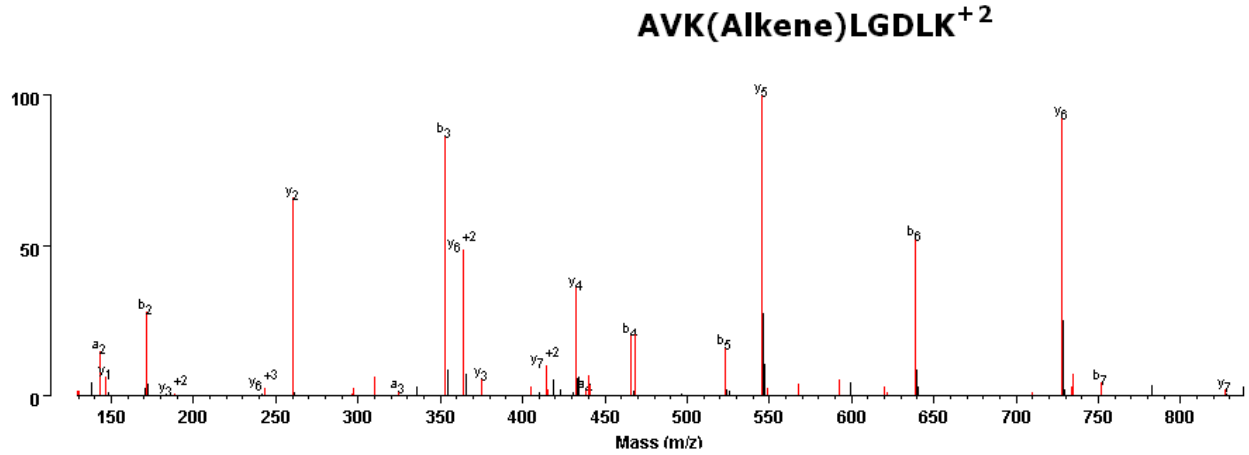


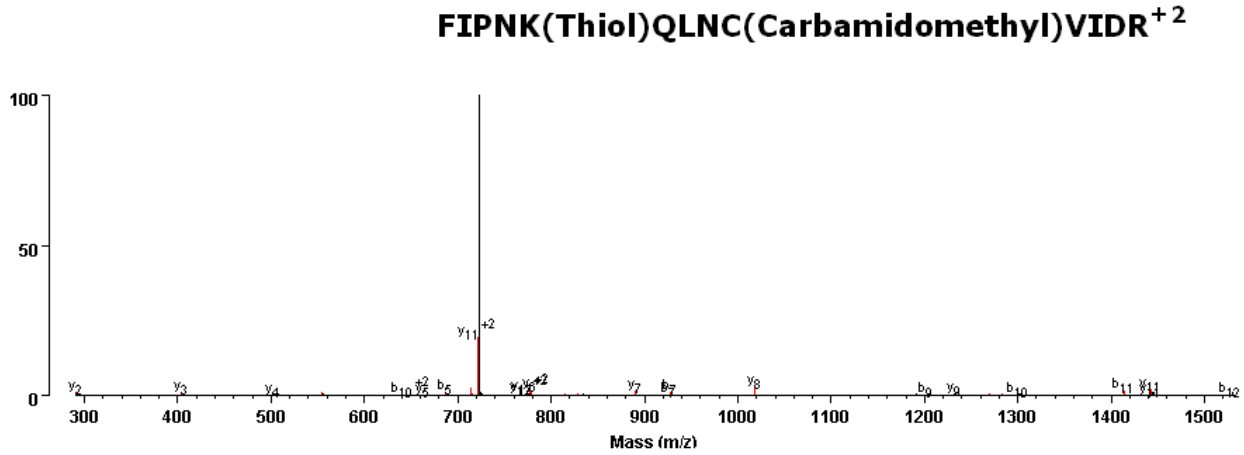
762.3990 4+, (Y)KQLLLKDDTY(Q) Rpn3:K373 to (Y)LDKHIKNLEDDSLL(S) Rpn12:K134



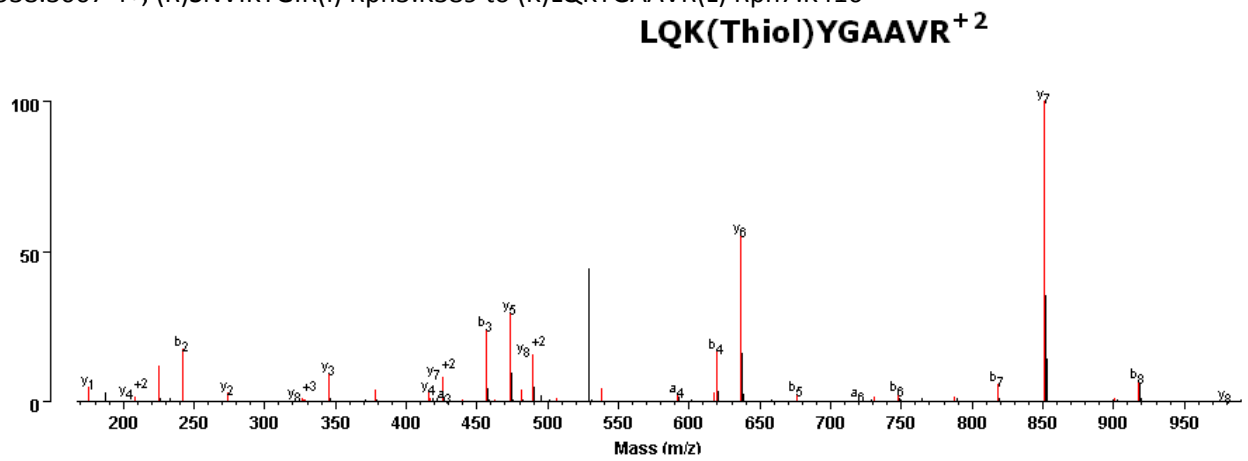


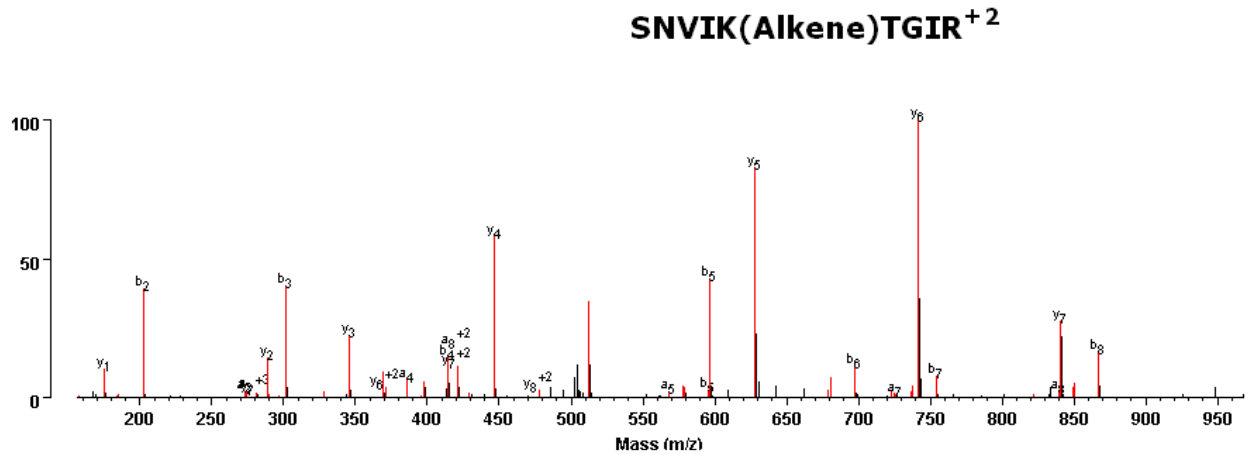
655.3500 4+, (K)AVKLGDLK(K) Rpn3:K353 to (K)FIPNKQLNCVIDR(V) Rpn7:K375



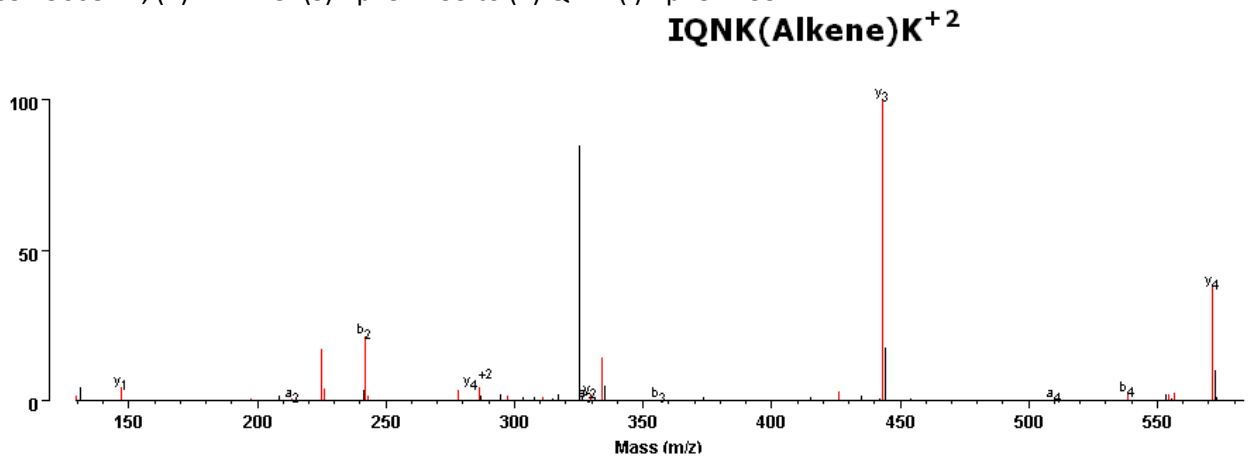


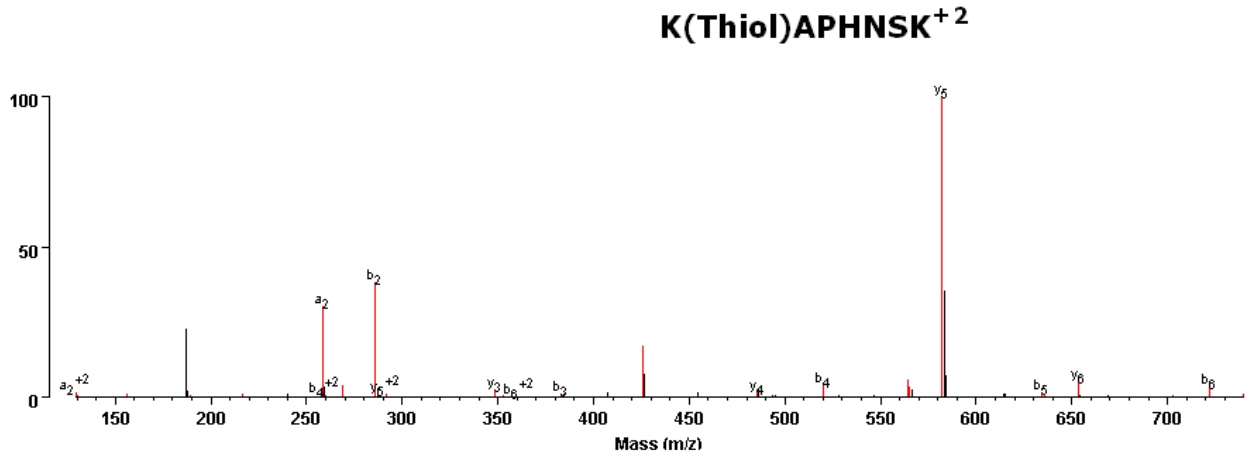
538.3007 4+, (R)SNVIKTGIR(I) Rpn3:K389 to (K)LQKYGAAVR(L) Rpn7:K416



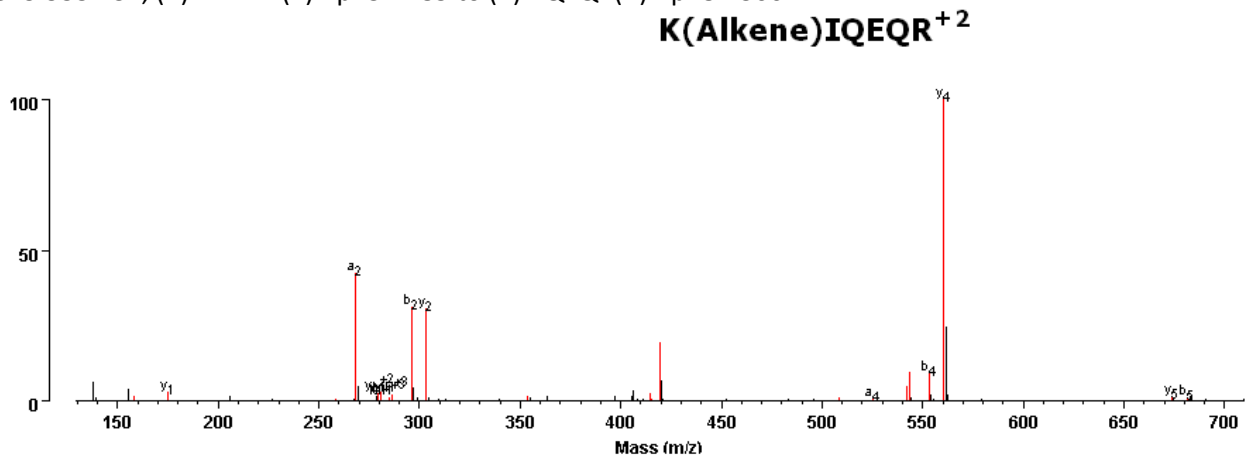


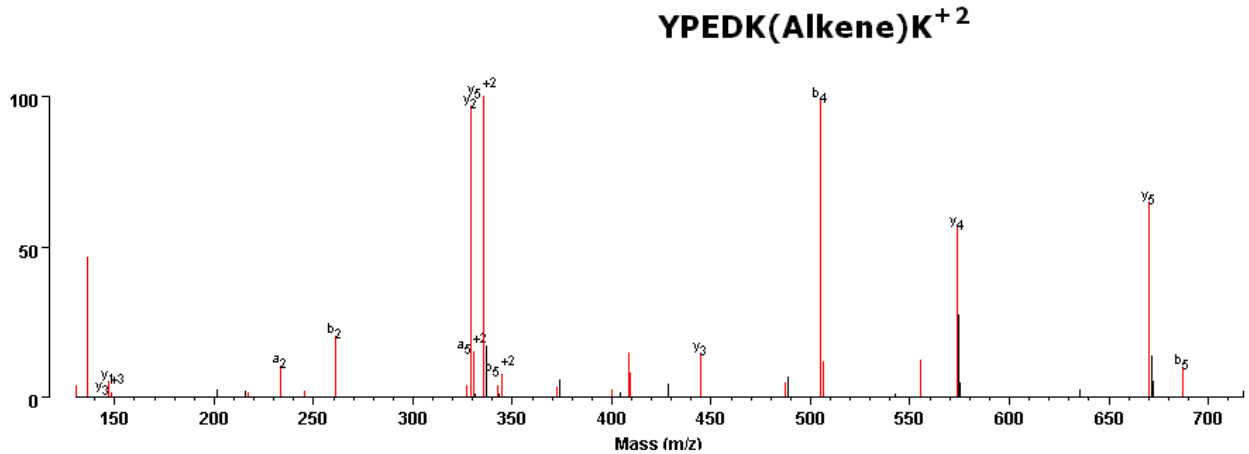
392.9608 4+, (R)KAPHNSK(S) Rpn3:K299 to (K)IQNKK(I) Rpn8:K299



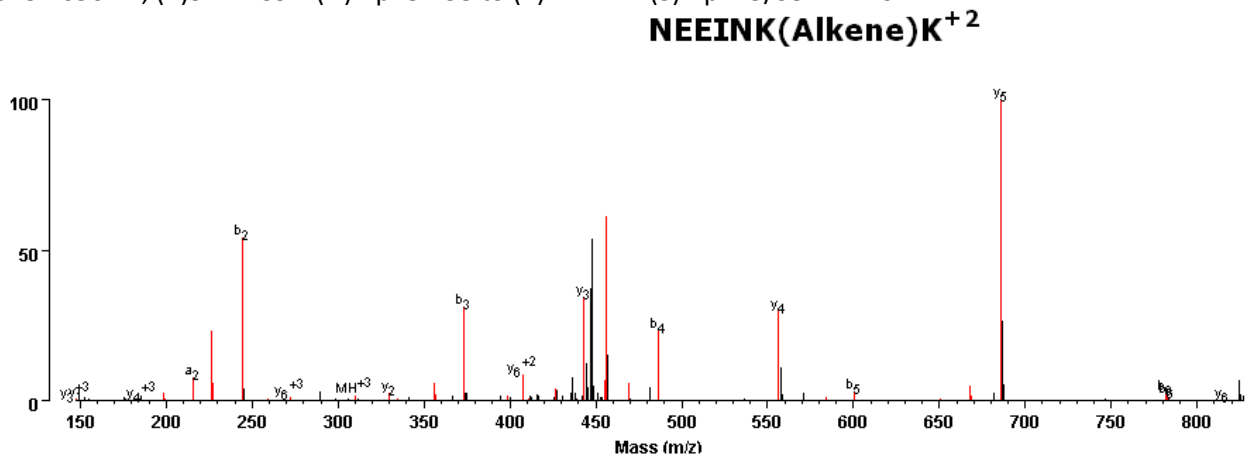


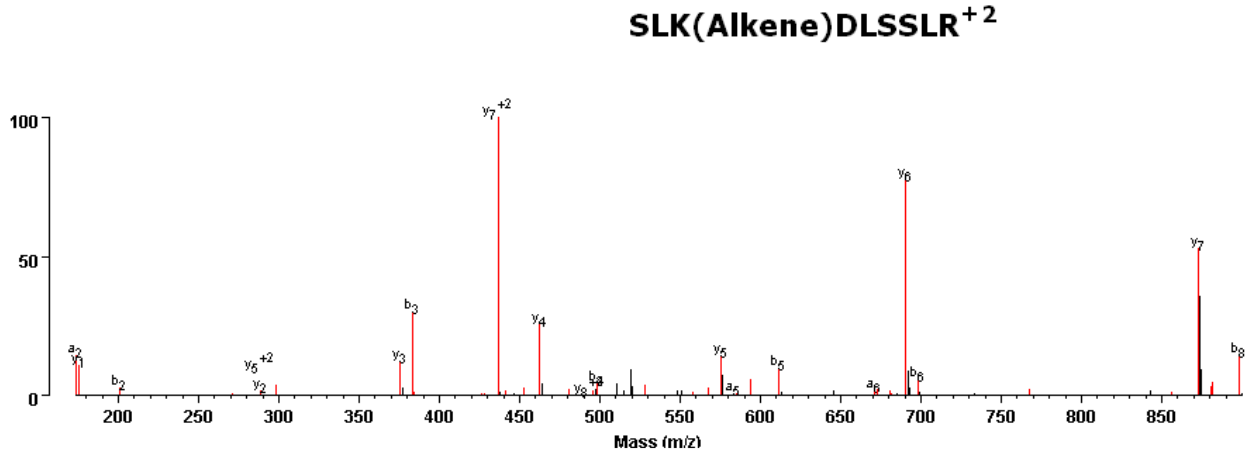
579.9552 3+, (R)YPEDKK(T) Rpn3:K485 to (K)KIQEQR(V) Rpn8:K300



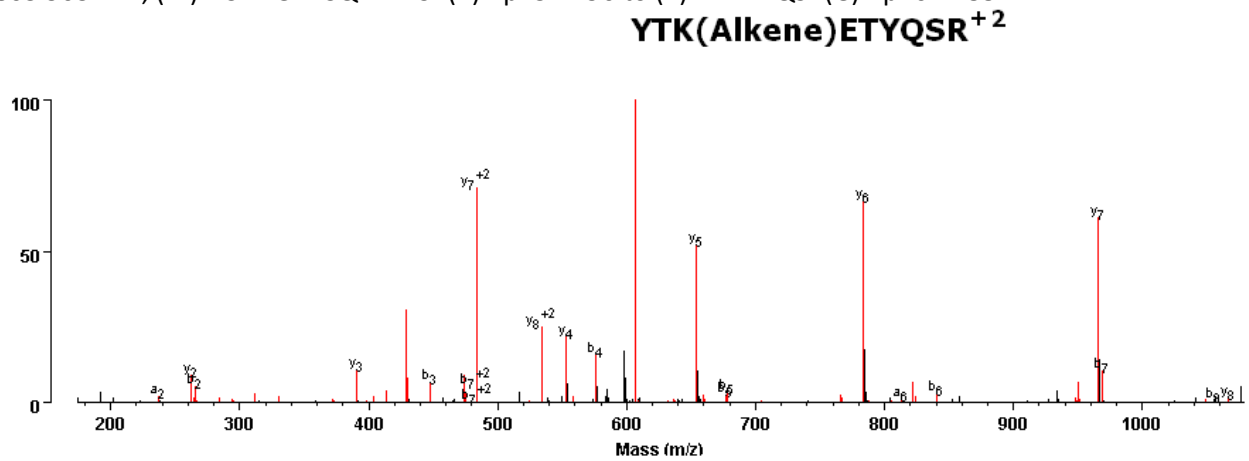


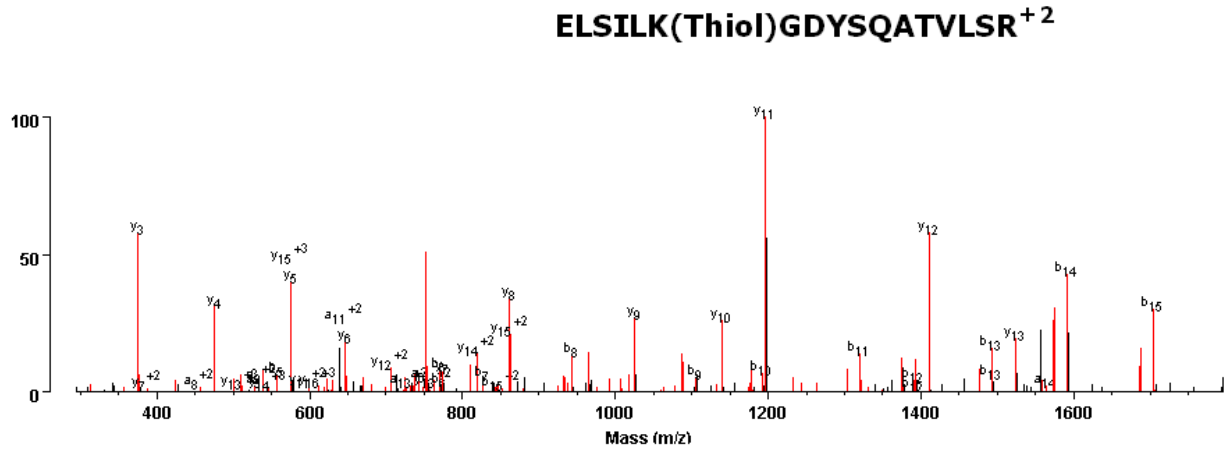
513.2690 4+, (R)SLKDLSSLR(N) Rpn3:K58 to (K)NEEINKK(S) Rpn15/Sem1:K26



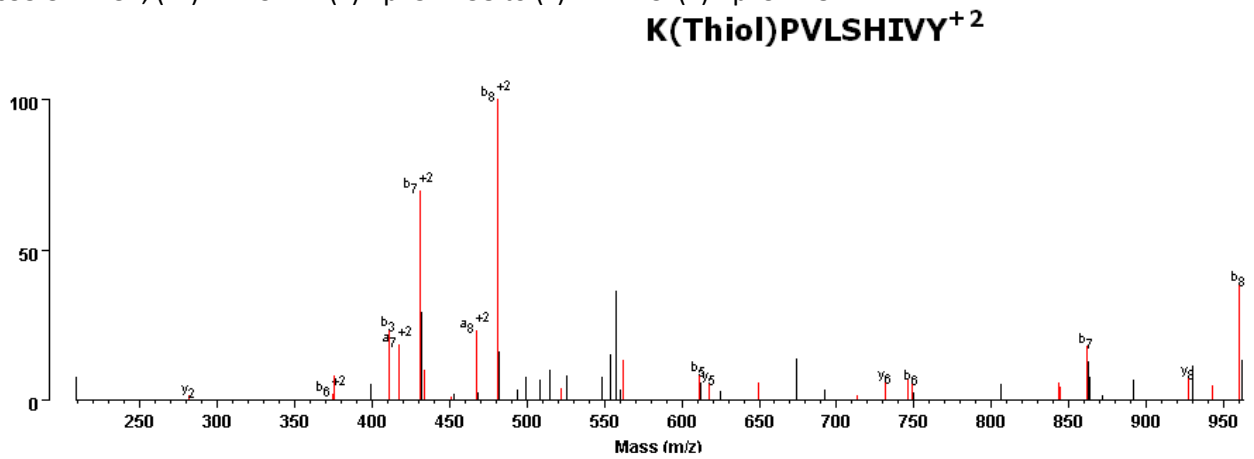


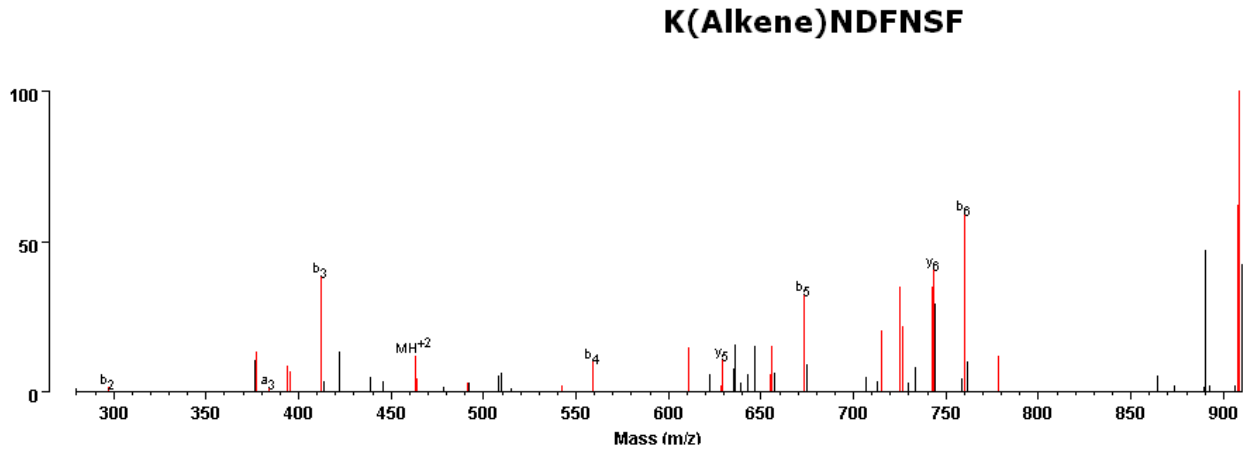
803.9032 4+, (M)ELSILKGDYSQATVLSR(K) Rpn5:K190 to (K)YTKETYQSR(G) Rpn6:K288



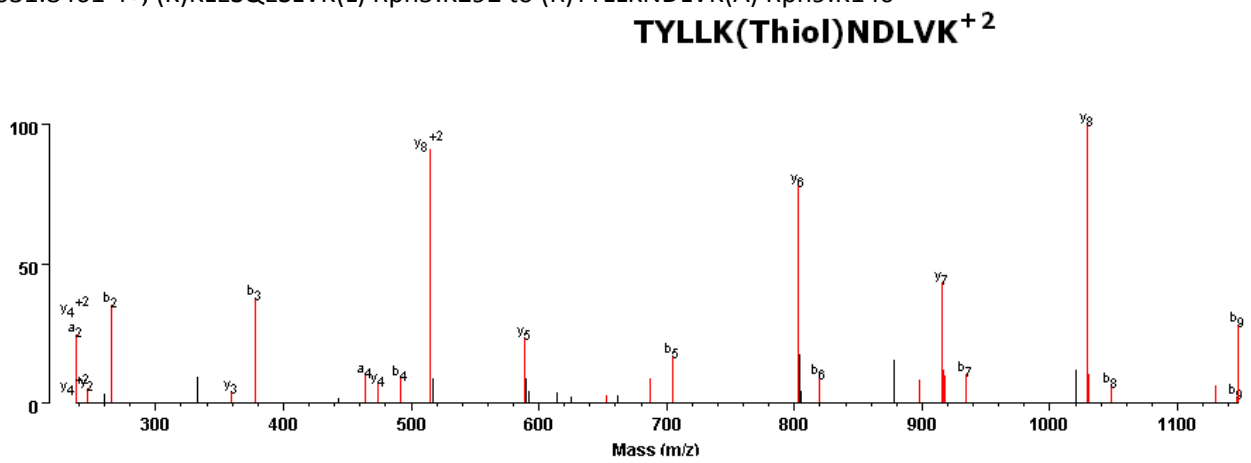


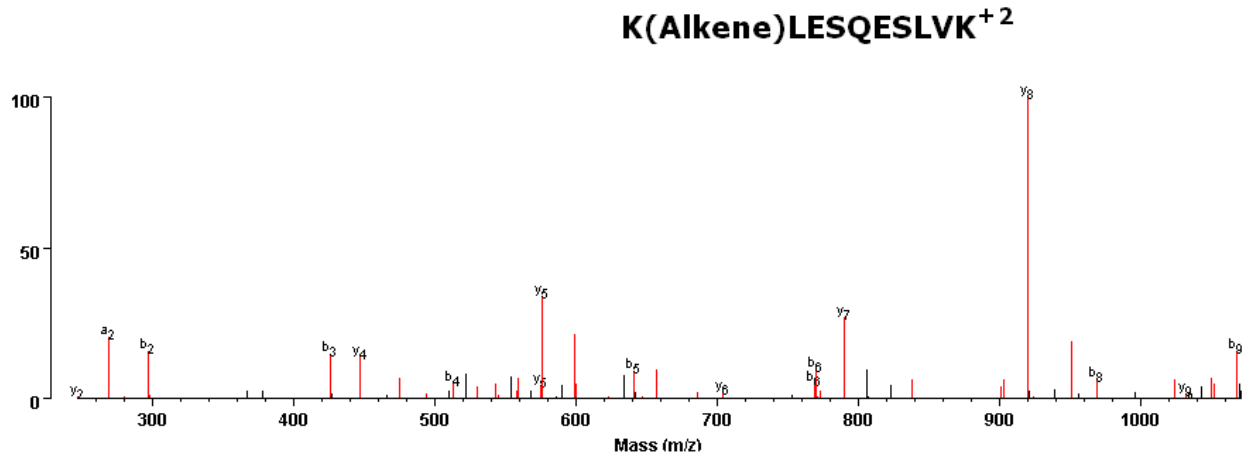
695.3421 3+, (W)KPVLSHIVY(F) Rpn5:K258 to (F)KNDFNSF(Y) Rpn9:K182



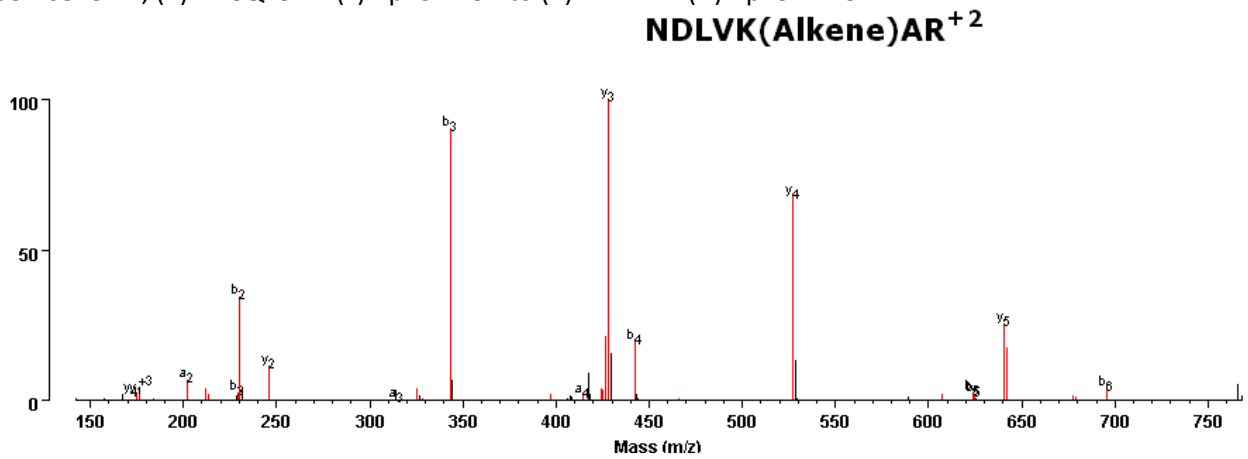


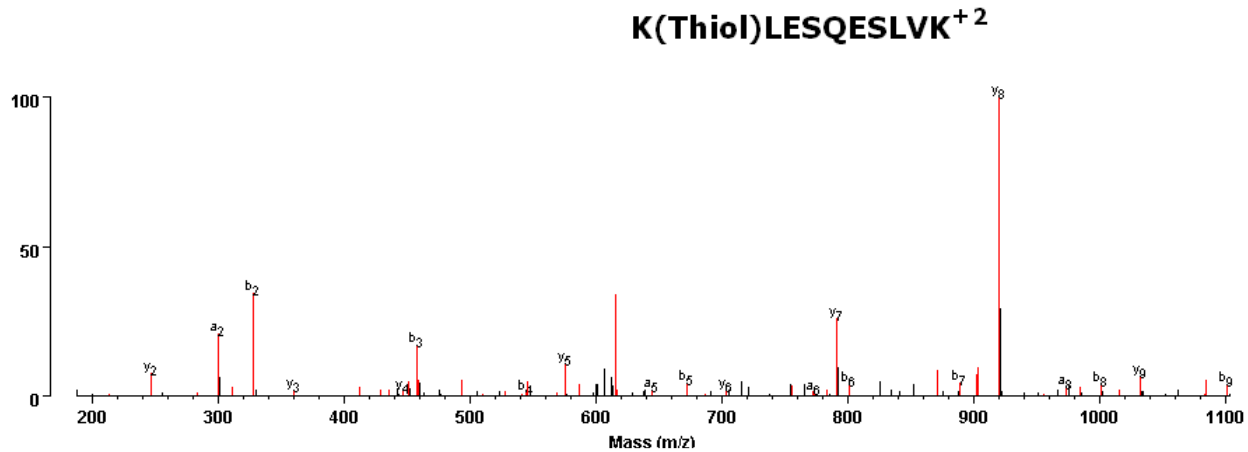
631.8461 4+, (K)KLESQESLVK(L) Rpn5:K292 to (R)TYLLKNDLVK(A) Rpn9:K140



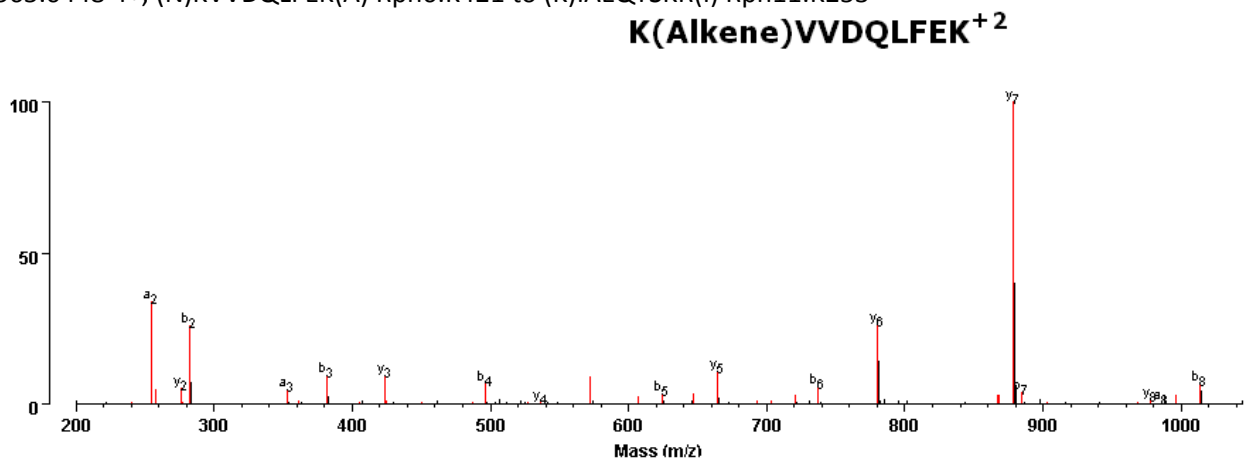


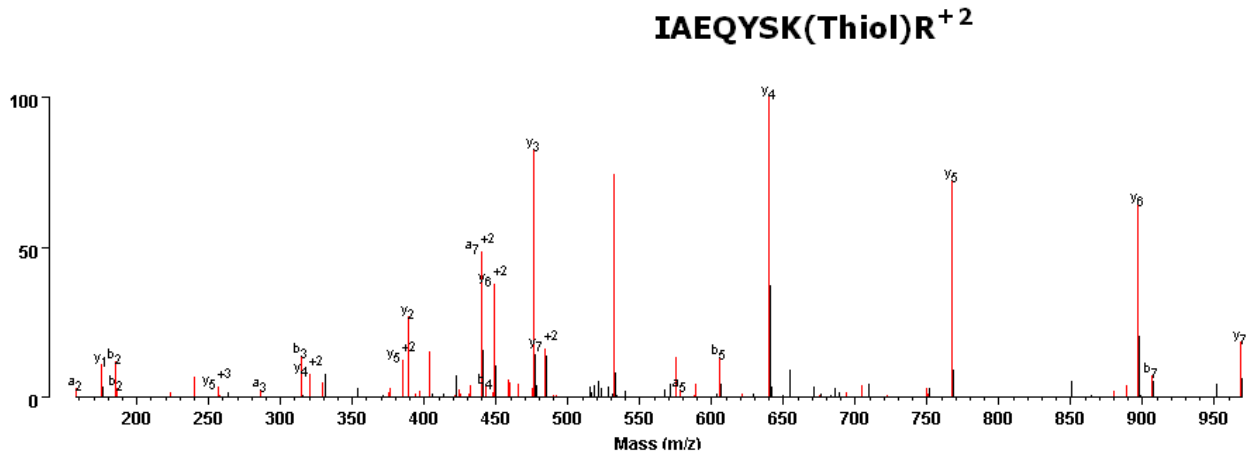
534.0375 4+, (K)KLESQESLVK(L) Rpn5:K292 to (K)NDLVKAR(D) Rpn9:K145



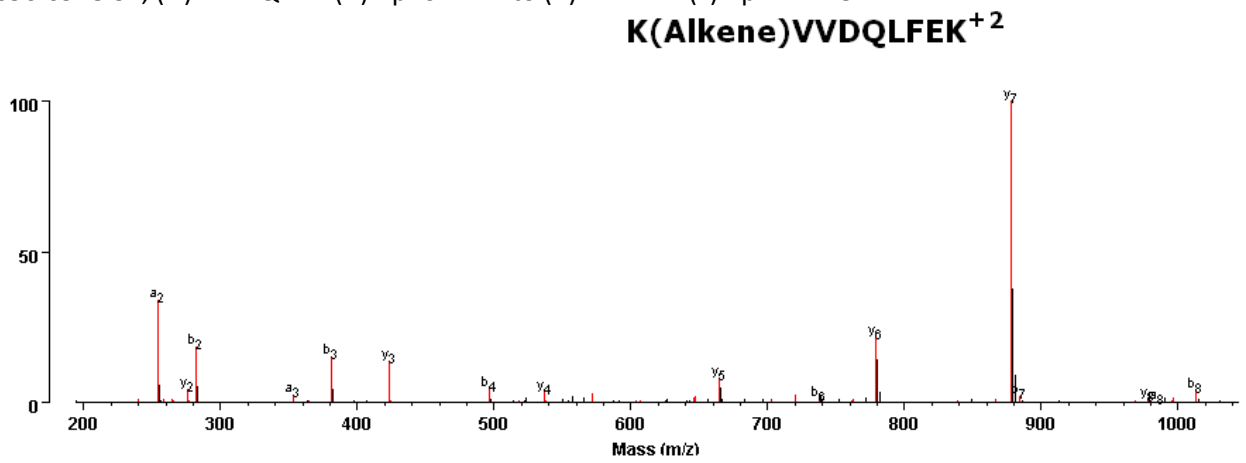


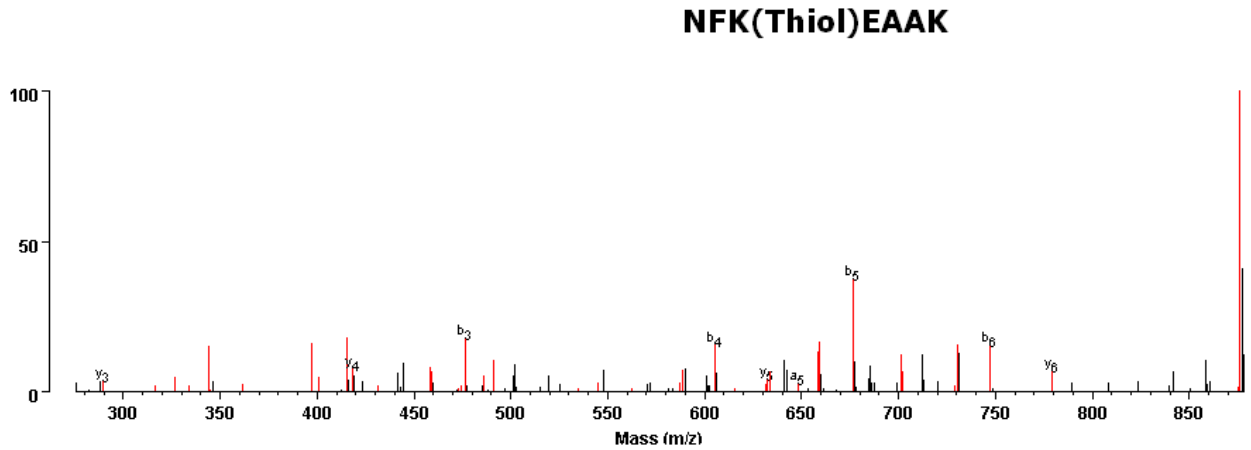
565.0448 4+, (N)KVVDQLFEK(A) Rpn6:K421 to (K)IAEQYSKR(I) Rpn11:K253





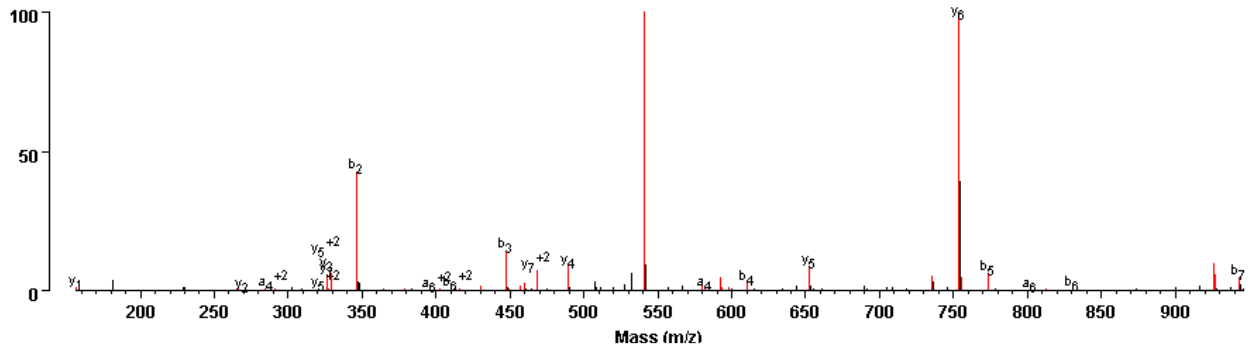
690.6918 3+, (N)KVVDQLFEK(A) Rpn6:K421 to (R)NFKEAAK(L) Rpn7:K225



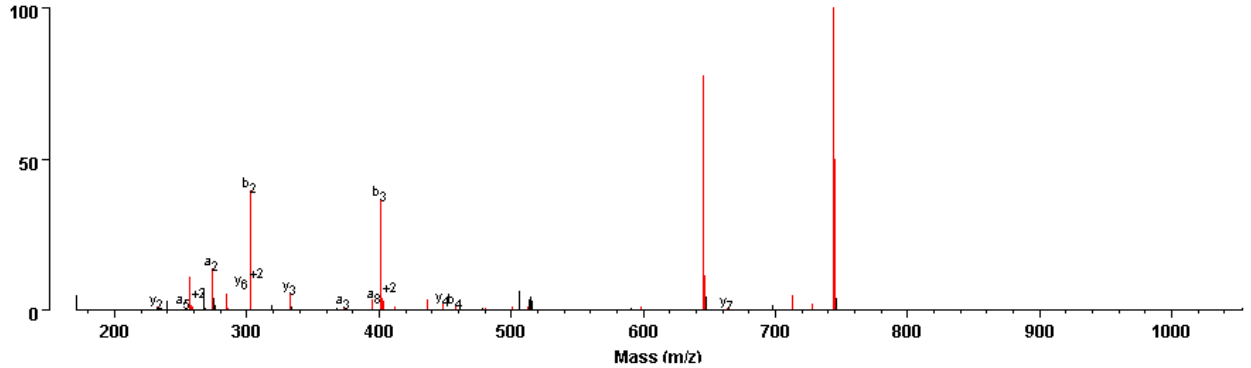


545.5102 4+, (R)YKTYYGIH(C) Rpn7:K211 to (N)SKVGSADTGR(D) Rpn11:K12

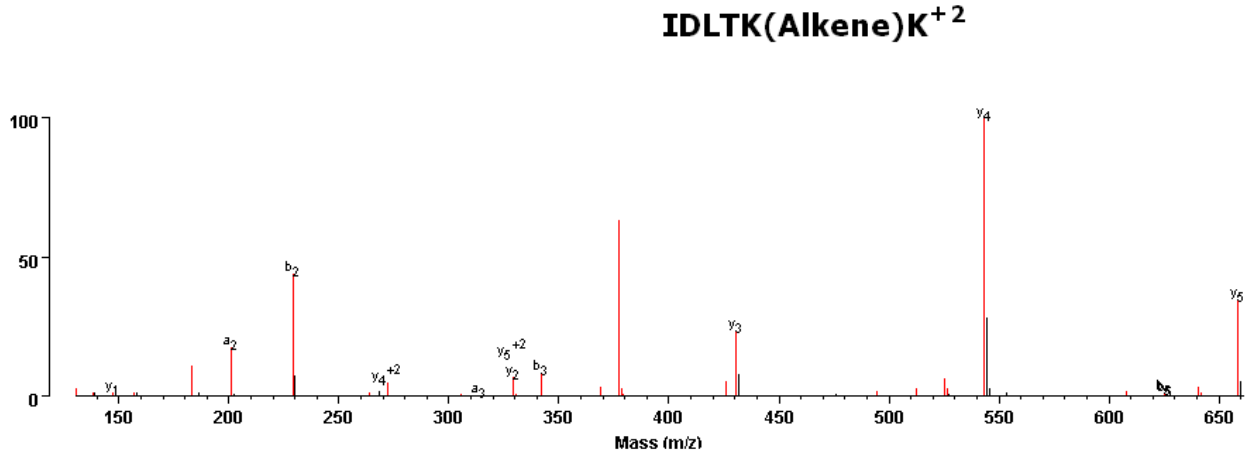
YK(Alkene)TYYGIH^{+2}

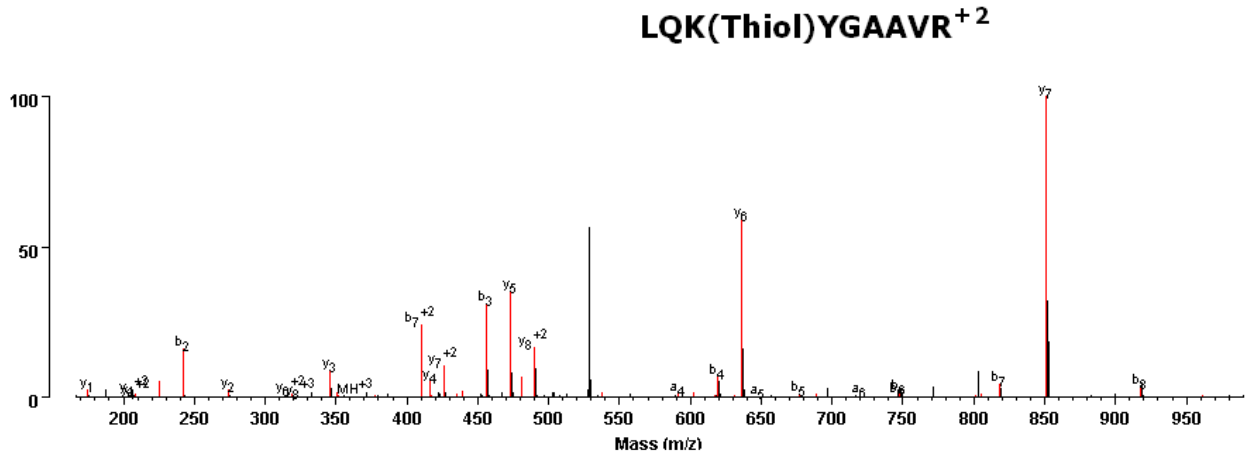


SK(Thiol)VGSADTGR^{+2}

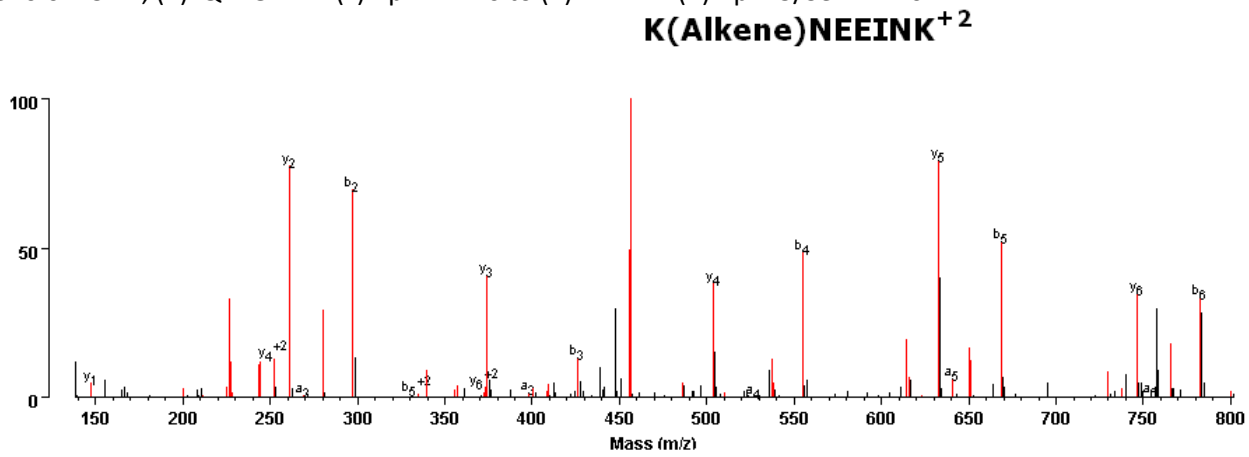


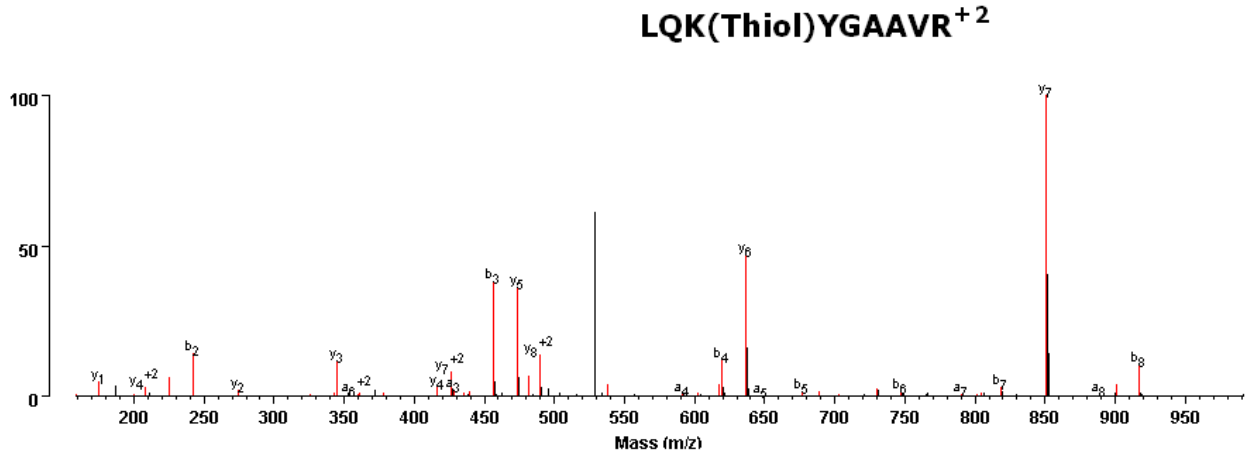
470.7640 4+, (K)LQKYGAAVR(L) Rpn7:K416 to (K)IDLTKK(K) Rpn15/Sem1:K18



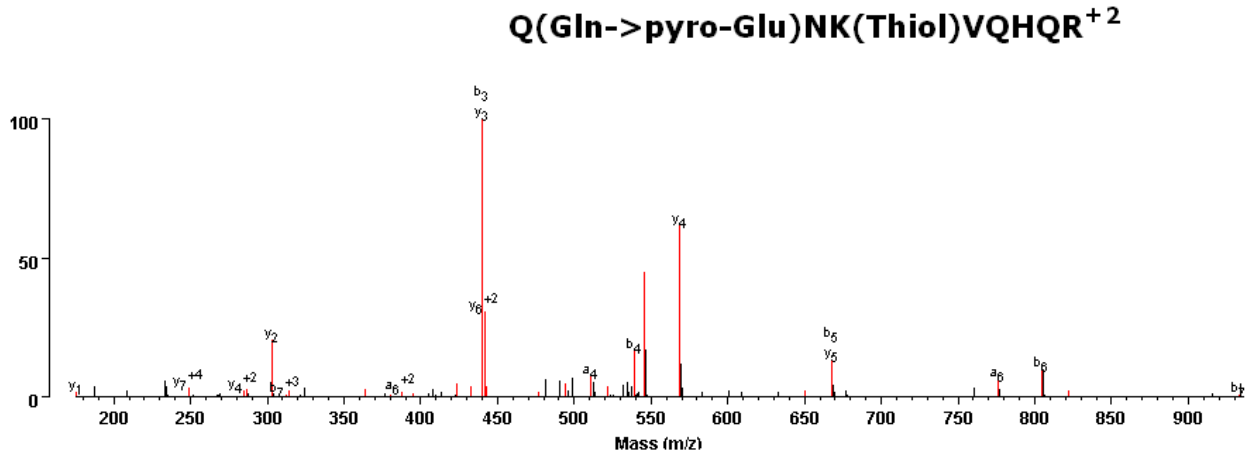


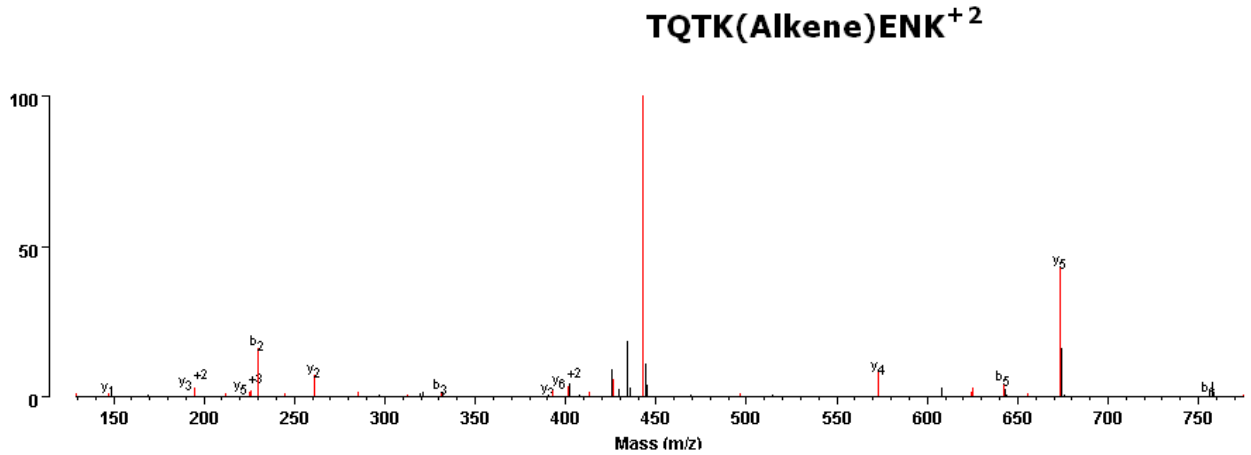
510.0173 4+, (K)LQKYGAAVR(L) Rpn7:K416 to (K)KNEEINK(K) Rpn15/Sem1:K20



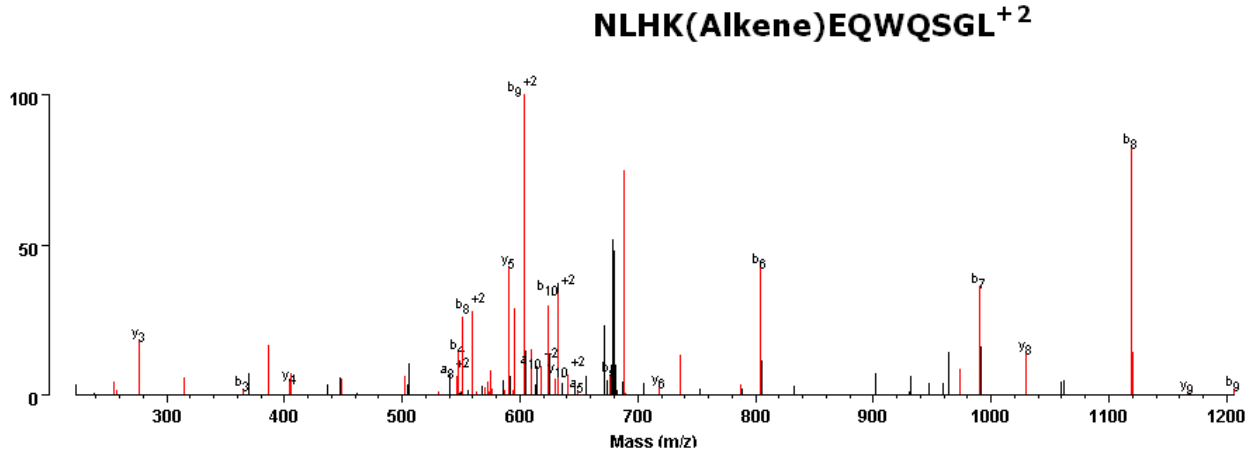


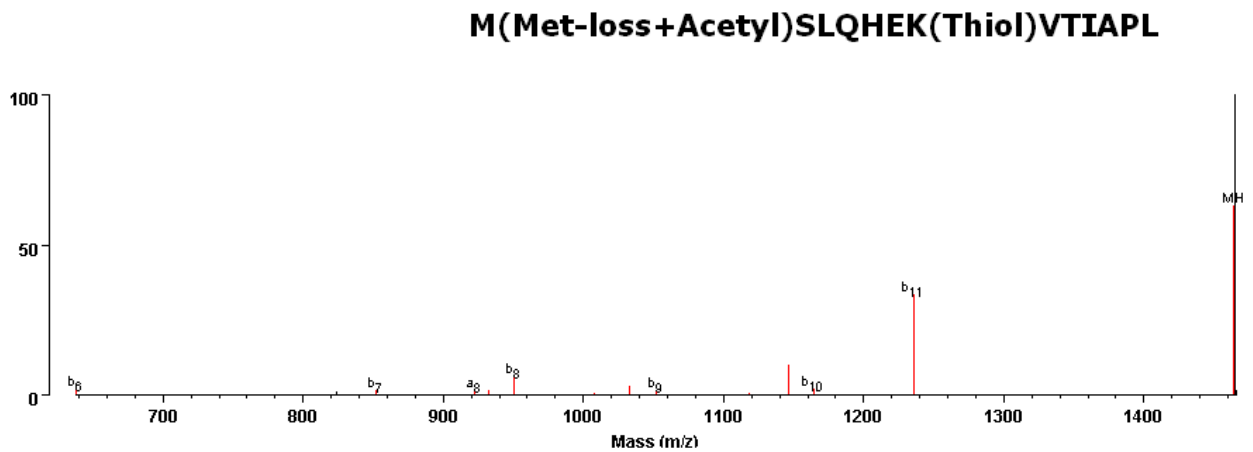
507.2503 4+, (R)TQTKENK(R) Rpn8:K28 to (R)QNKVQHQR(I) Rpn10:K104



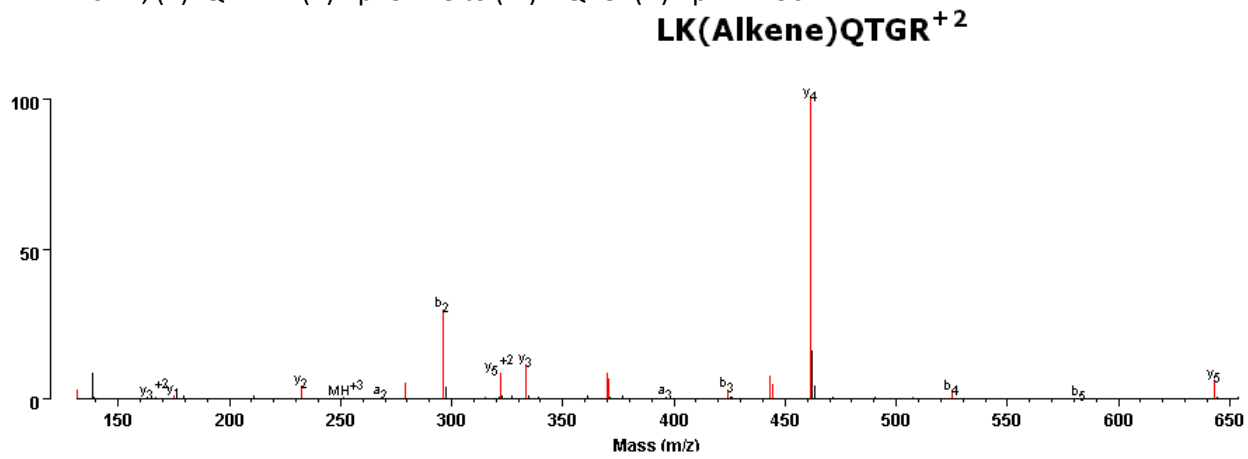


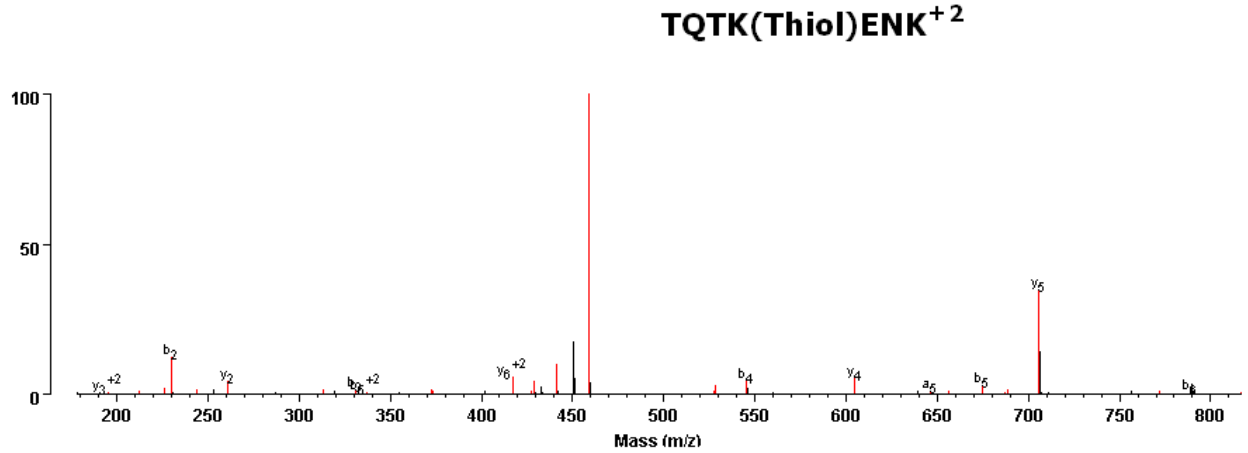
958.8221 3+, (-)MSLQHEKVTIAPL(V) Rpn8:K7 to (M)NLHKEQWQSGL(K) Rpn11:K218



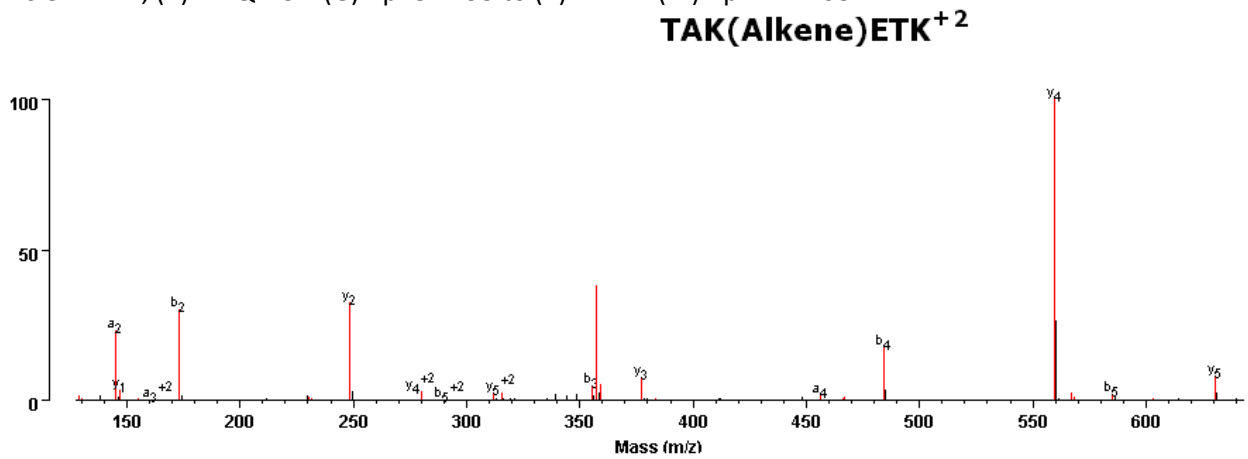


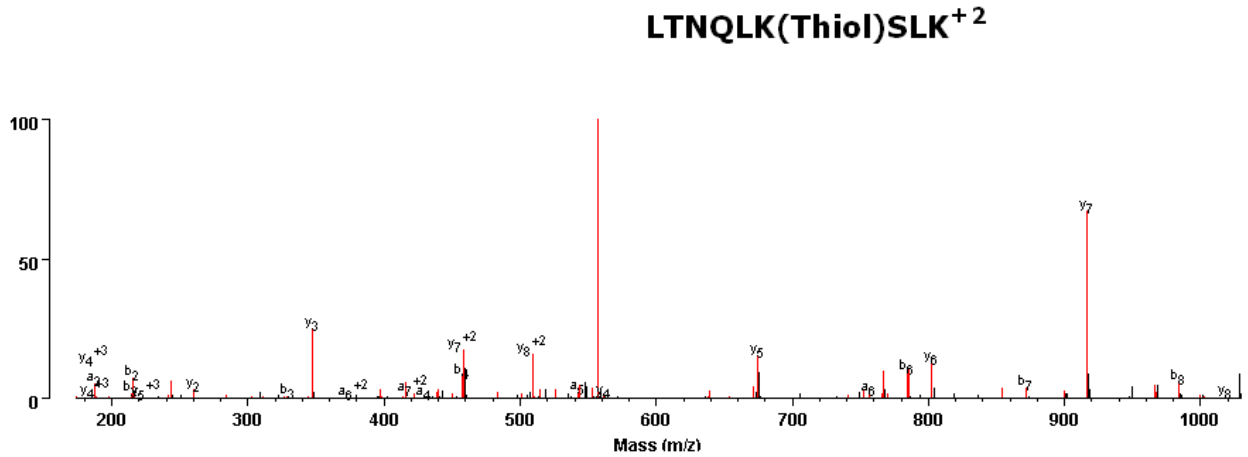
427.7240 4+, (R)TQTKENK(R) Rpn8:K28 to (M)LKQTGR(D) Rpn11:K96



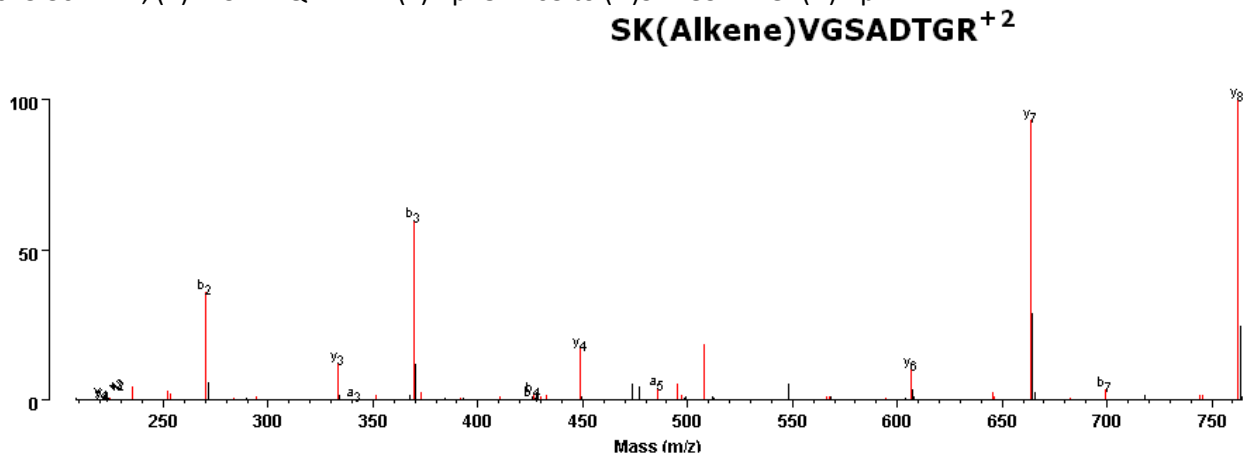


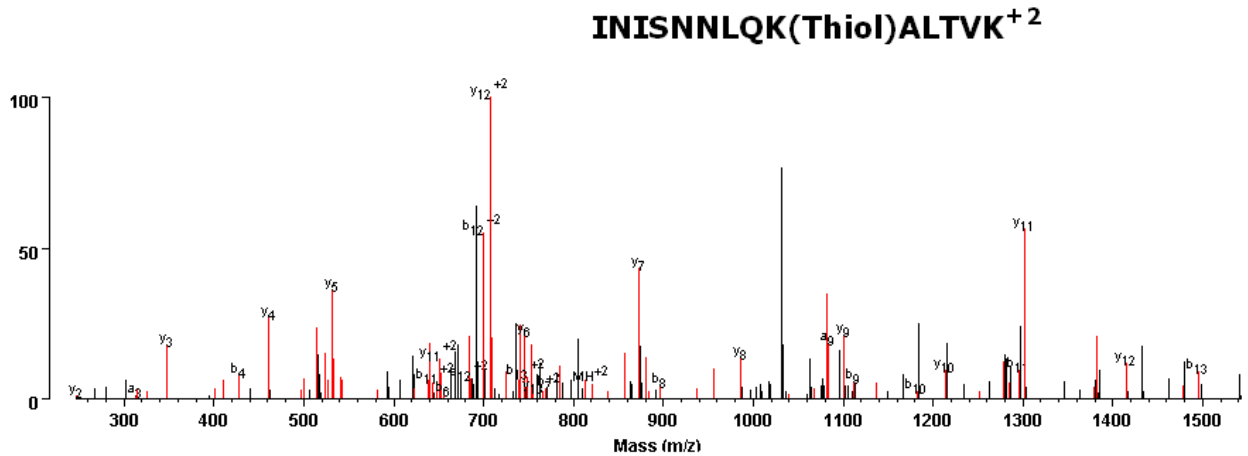
470.5121 4+, (R)LTNQLKSLK(G) Rpn8:K195 to (K)TAKETK(M) Rpn11:K208



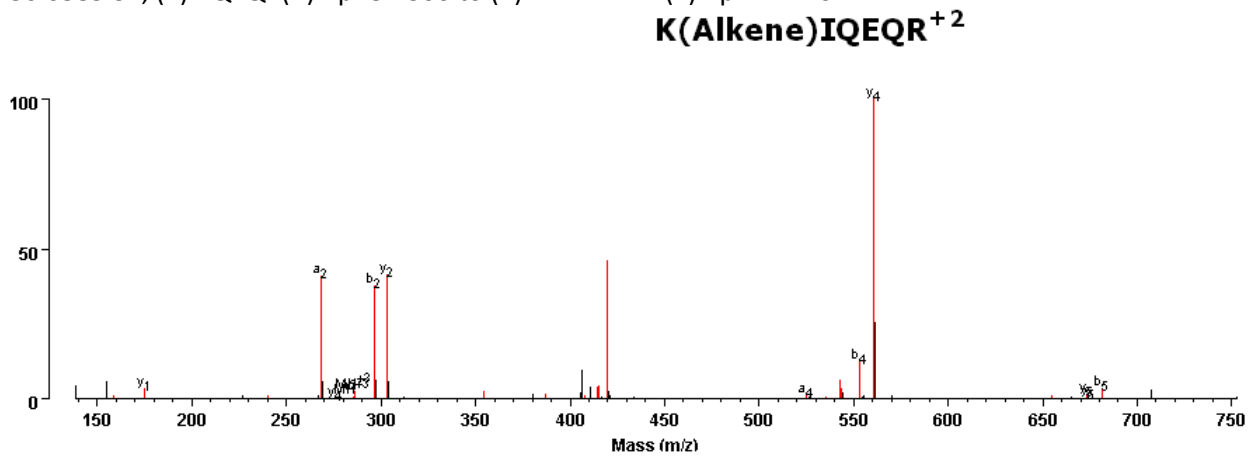


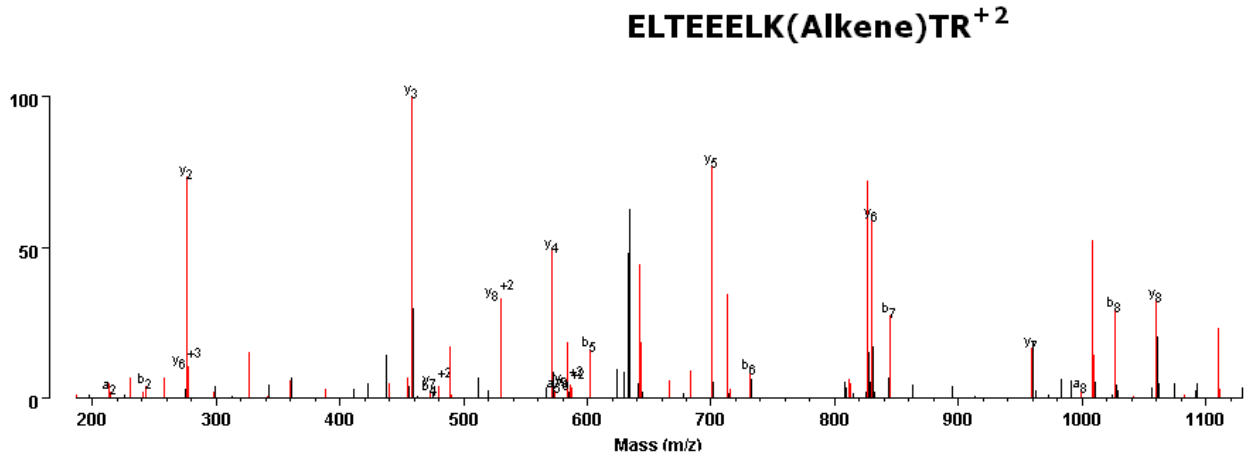
673.3621 4+, (R)INISNNLQKALTVK(T) Rpn8:K263 to (N)SKVGSADTGR(D) Rpn11:K12



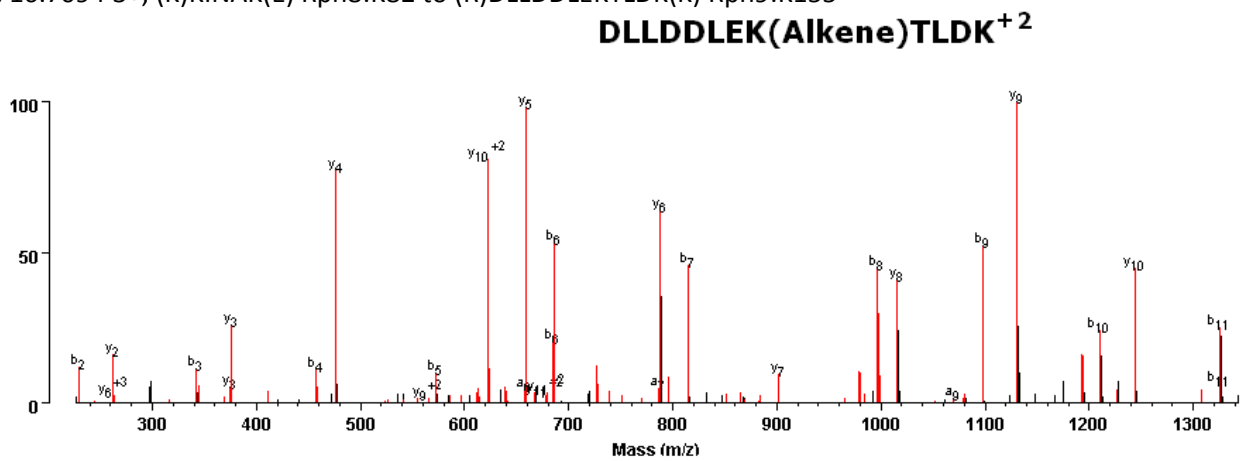


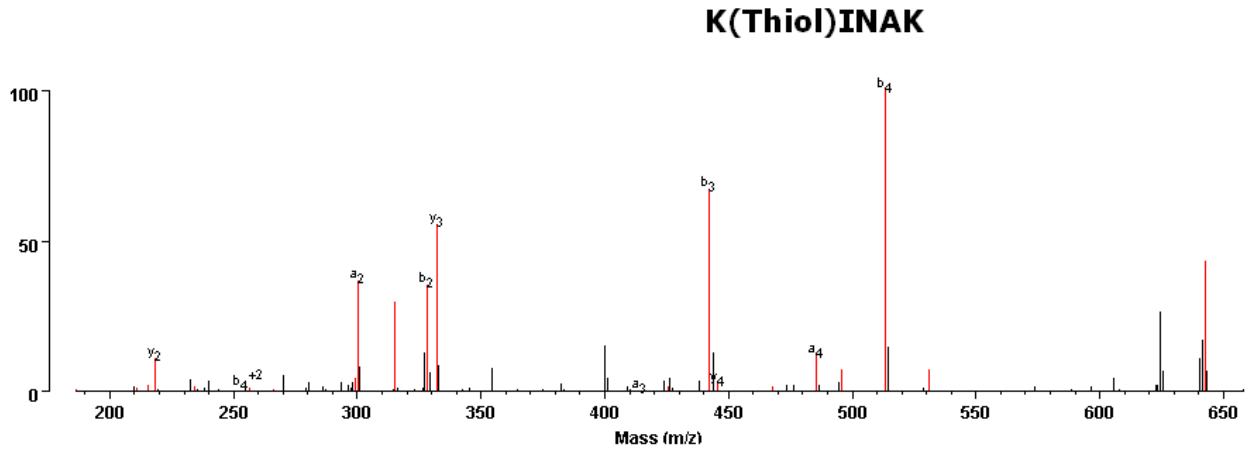
736.0385 3+, (K)KIQEQR(V) Rpn8:K300 to (K)ELTEEELKTR(Y) Rpn11:K267



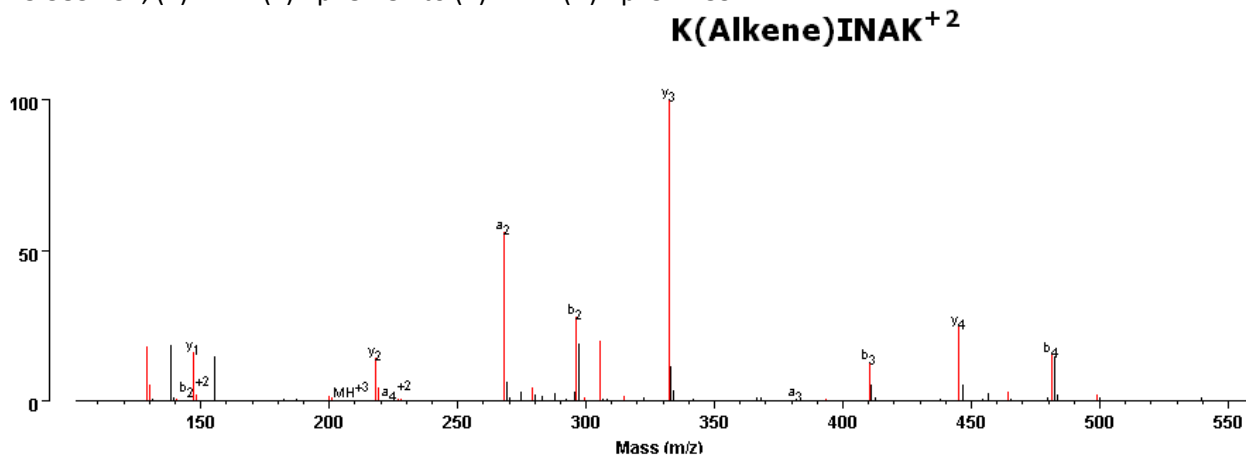


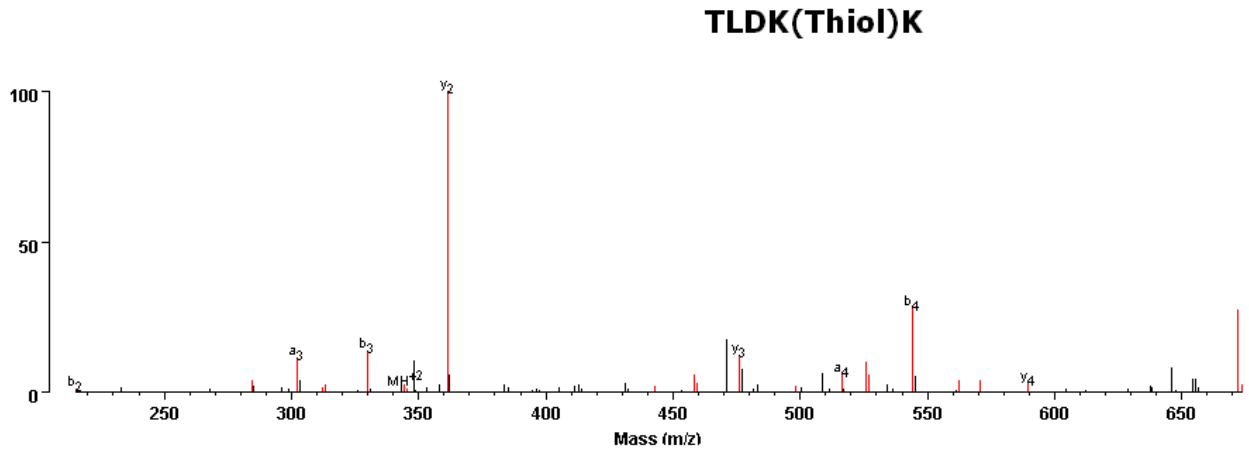
716.7094 3+, (K)KINAK(E) Rpn8:K82 to (R)DLLDDLEKTLDK(K) Rpn9:K155



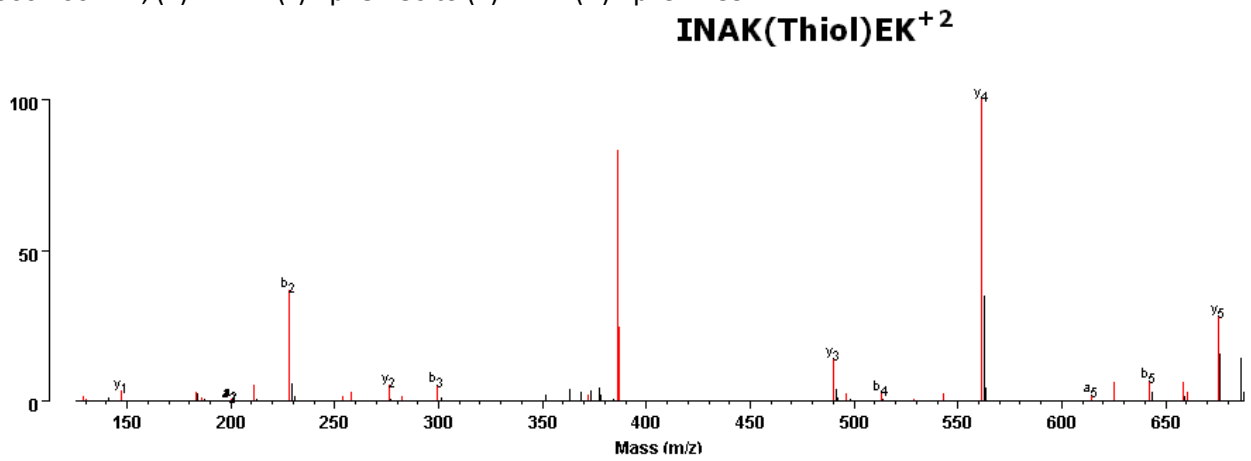


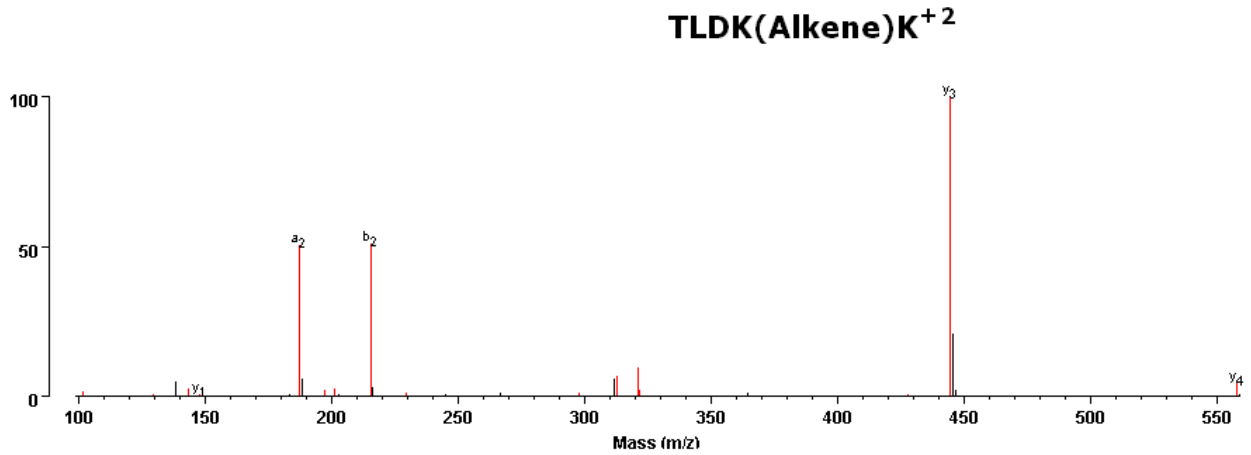
445.5837 3+, (K)KINAK(E) Rpn8:K82 to (K)TLDKK(D) Rpn9:K159



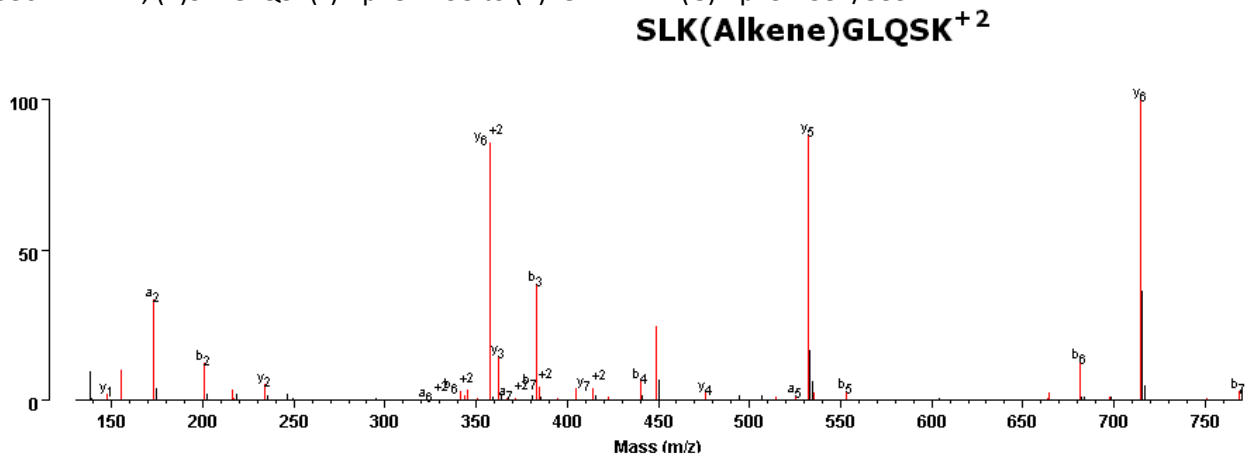


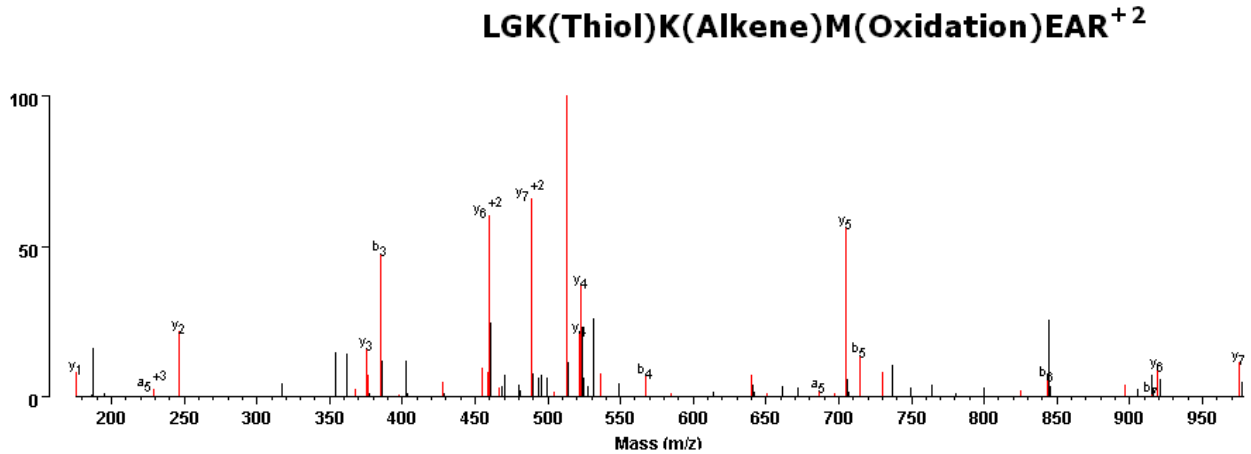
366.7007 4+, (K)INAKEK(L) Rpn8:K86 to (K)TLDKK(D) Rpn9:K159



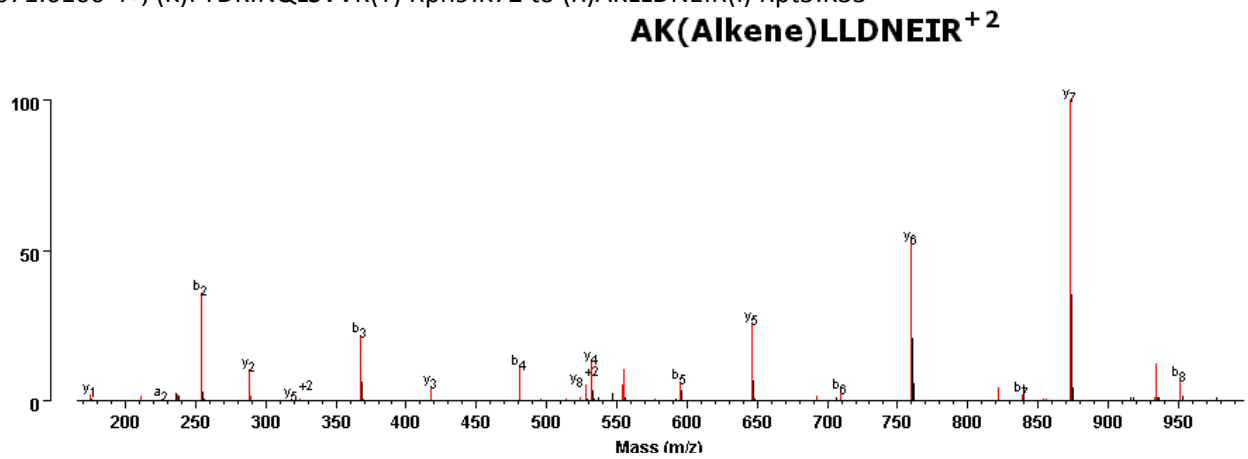


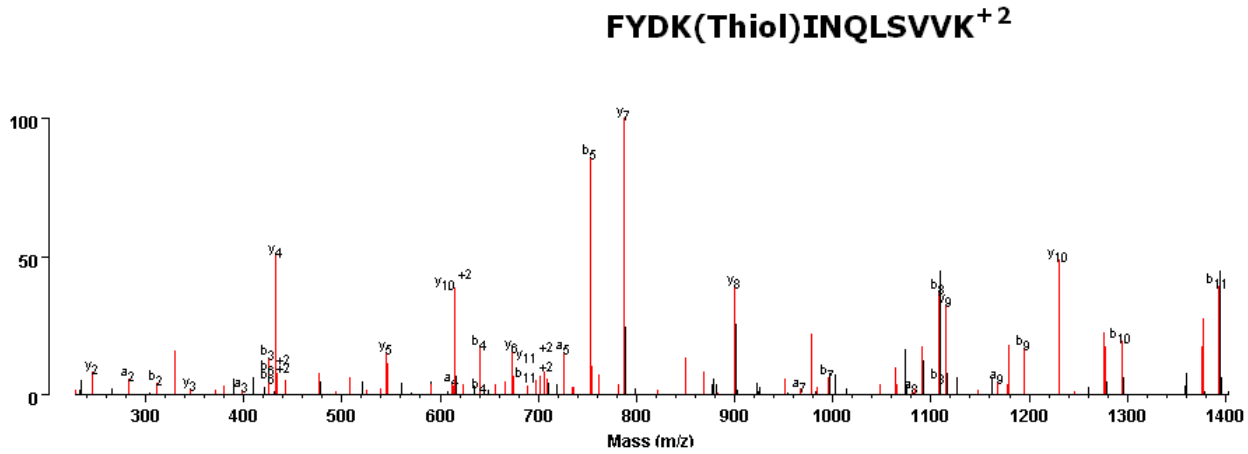
536.2722 4+, (K)SLKGLQSK(L) Rpn8:K198 to (K)LGKKMEAR(G) Rpn9:K382/383



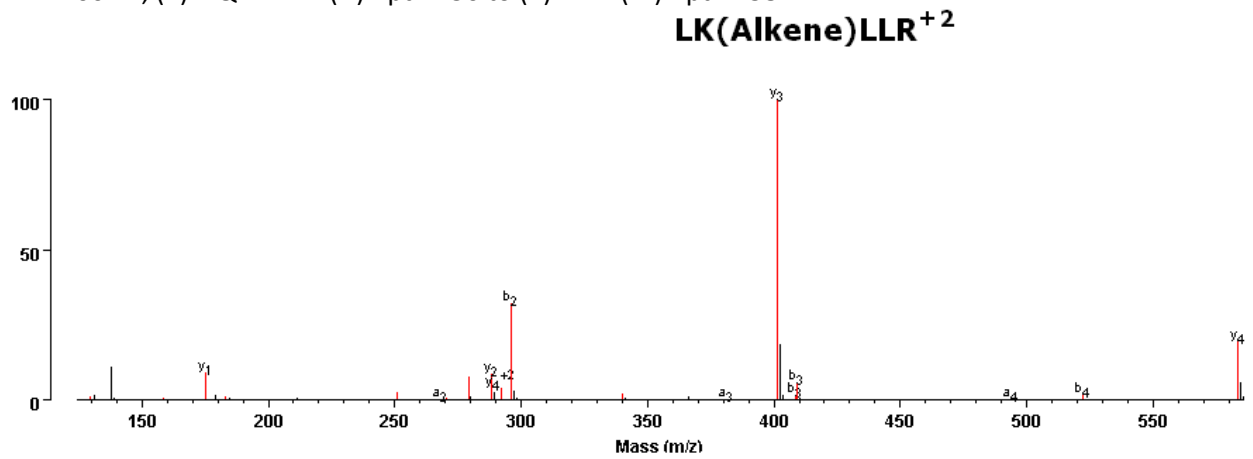


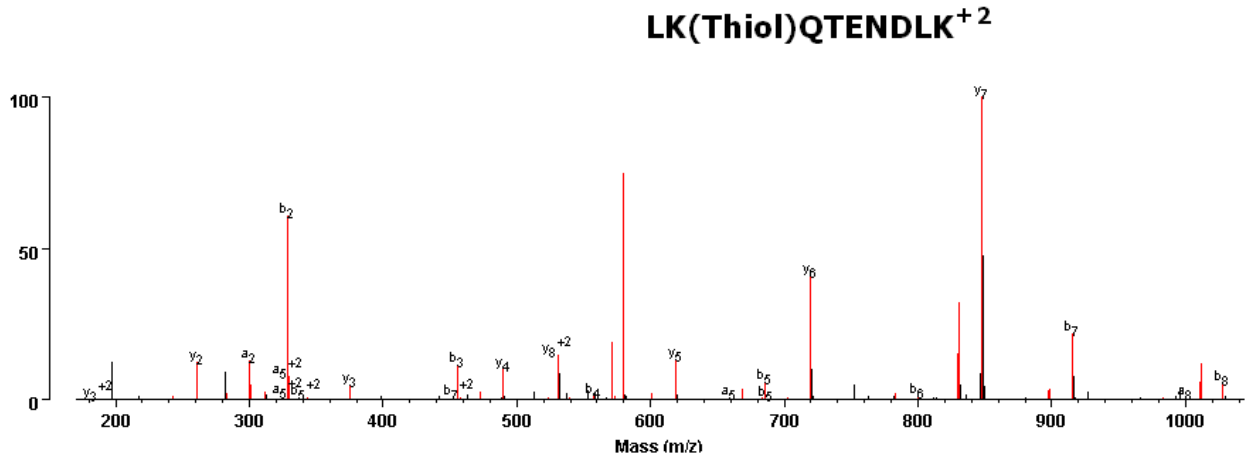
671.6100 4+, (K)FYDKINQLSVVK(Y) Rpn9:K72 to (R)AKLLDNEIR(I) Rpt5:K35



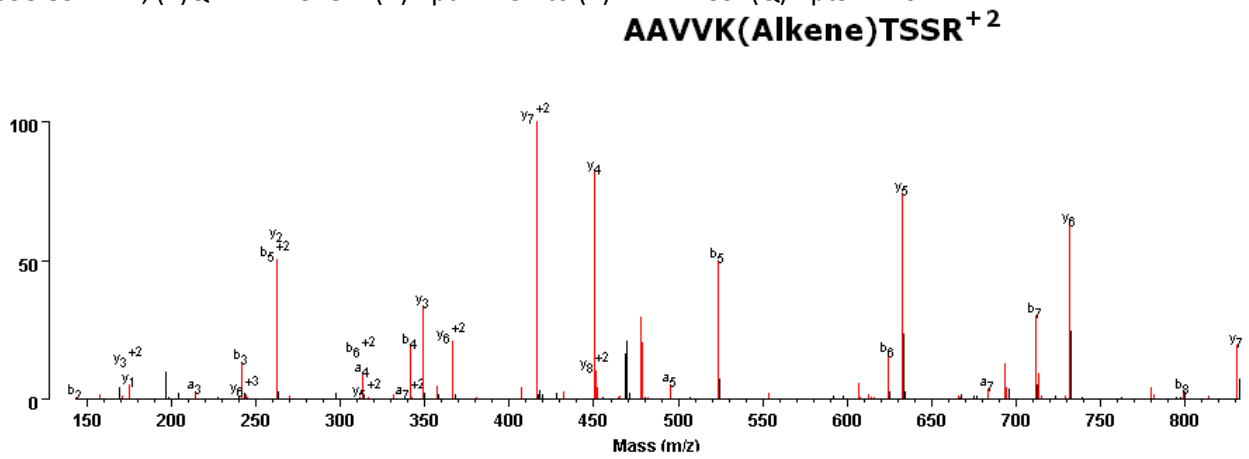


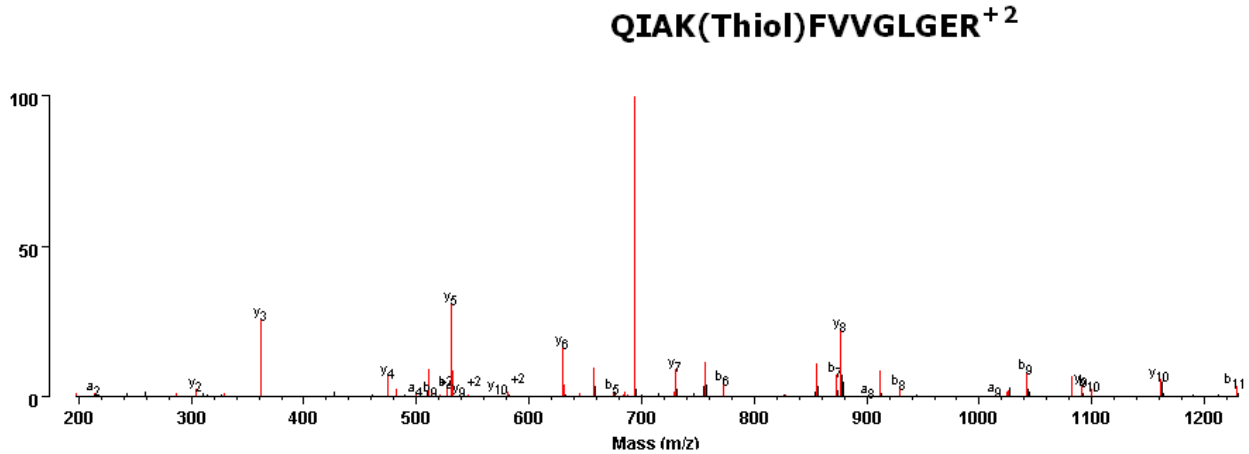
472.7706 4+, (K)LKQTENDLK(D) Rpt1:K50 to (K)LKLLR(M) Rpt2:K58





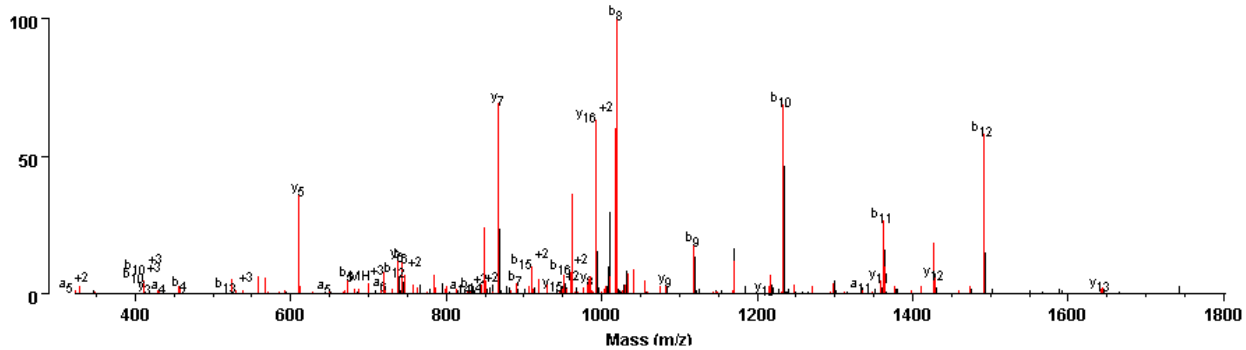
598.8314 4+, (K)QIAKFVVGLGER(V) Rpt1:K154 to (K)AAVVKTSSR(Q) Rpt5:K120



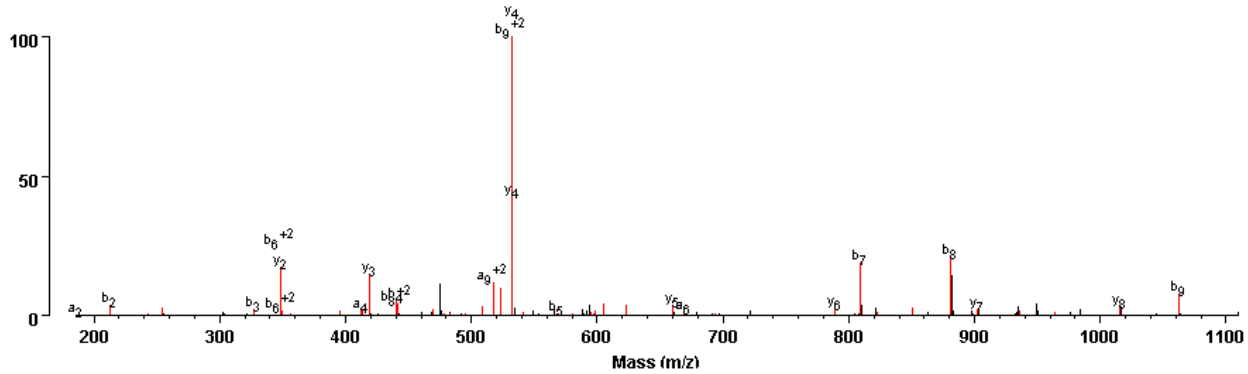


836.9233 4+, (Y)VINLKQIAKF(V) Rpt1:K154 to (F)DSRVKAMEVDEKPTETY(S) Rpt5:K168

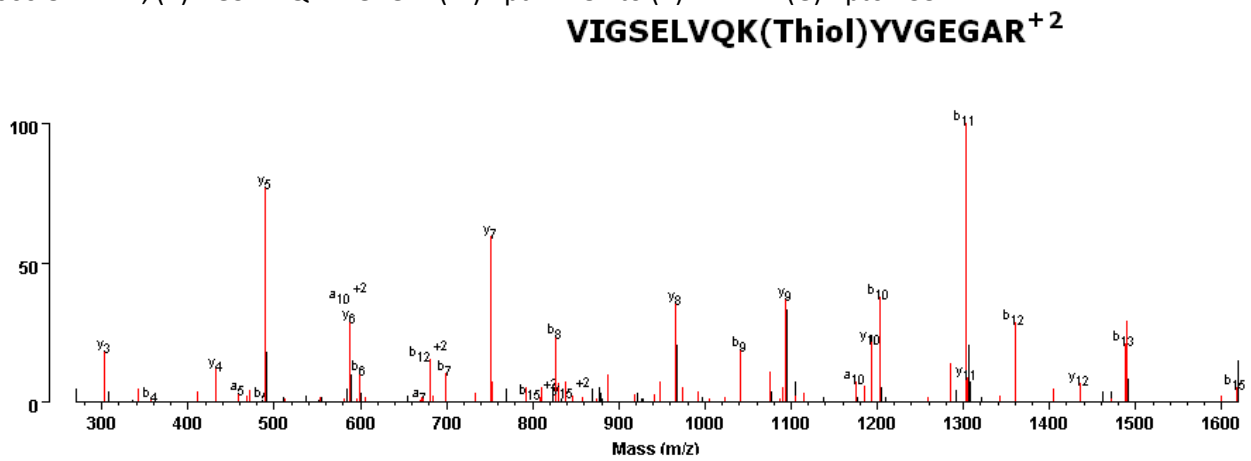
DSRVK(Thiol)AM(Oxidation)EVDEKPTETY^{+2}

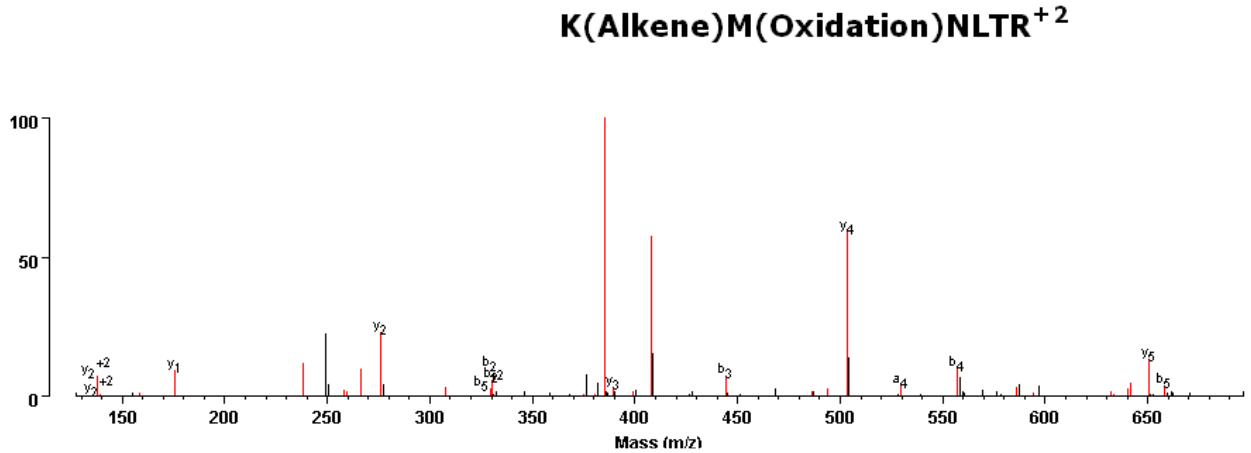


VINLKQIAK(Alkene)F^{+2}

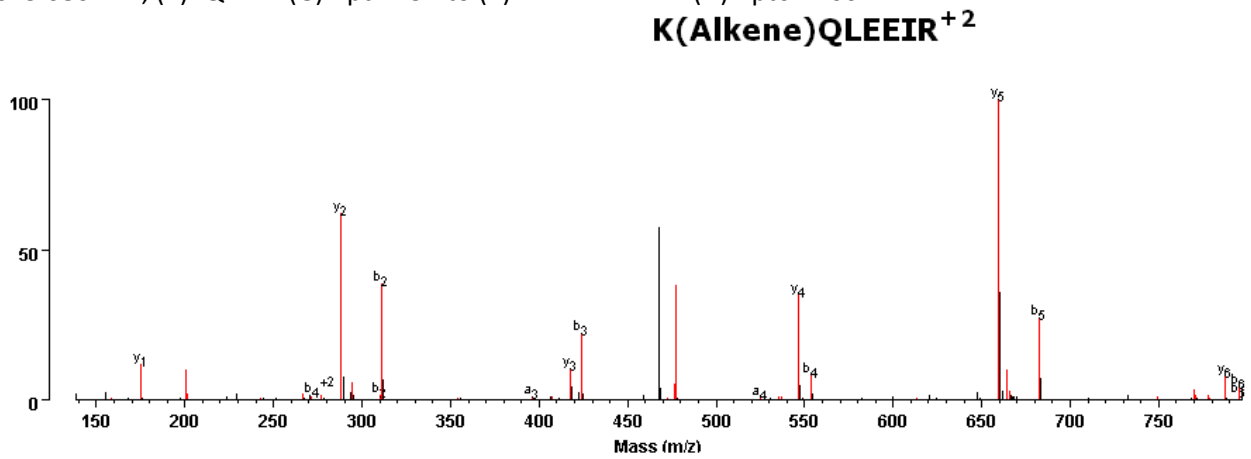


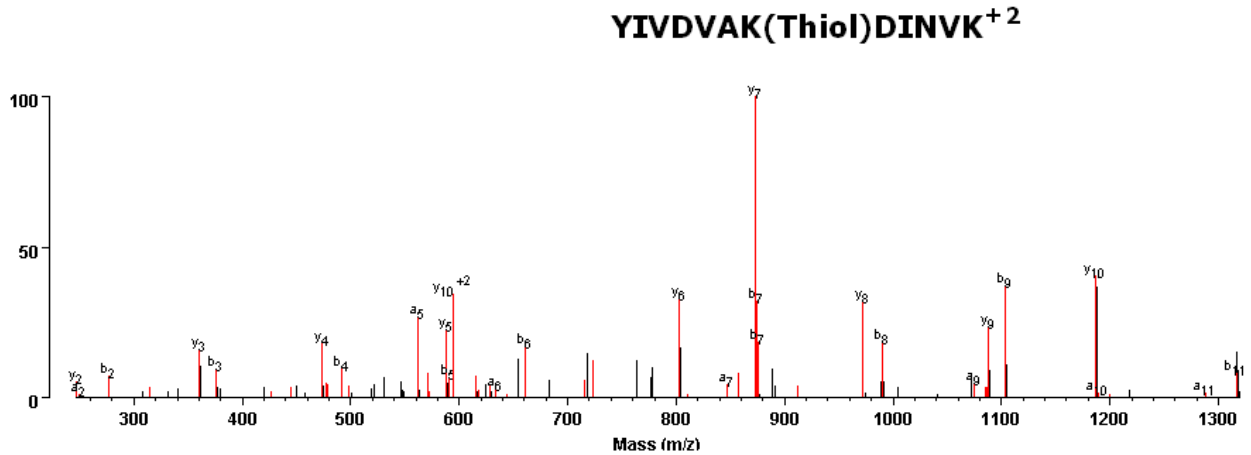
660.8444 4+, (R)VIGSELVQKYVGEGAR(M) Rpt1:K282 to (R)KMNLTR(G) Rpt6:K334



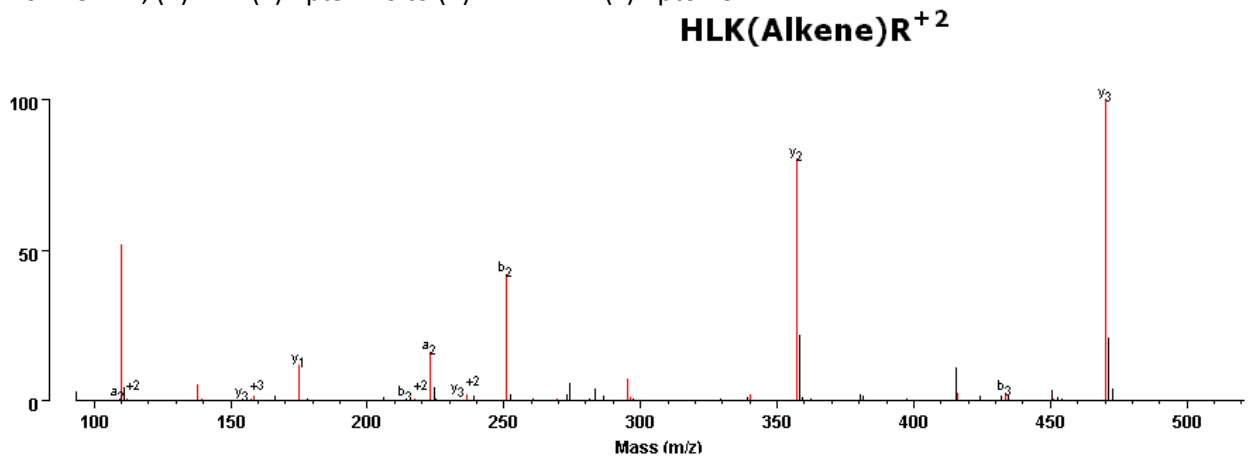


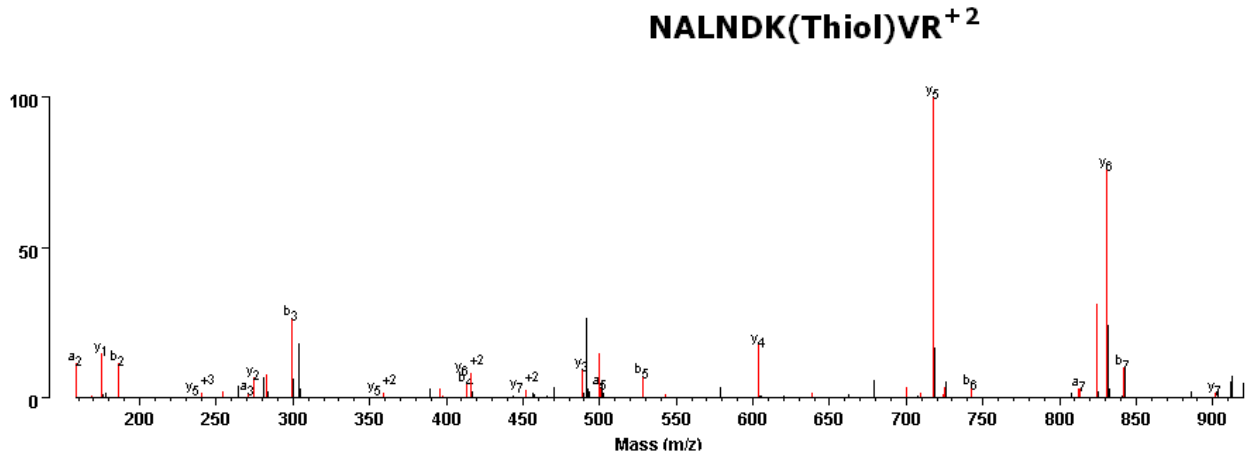
613.0807 4+, (K)KQLEEIR(G) Rpt2:K94 to (K)YIVDVAKDINVK(D) Rpt6:K100



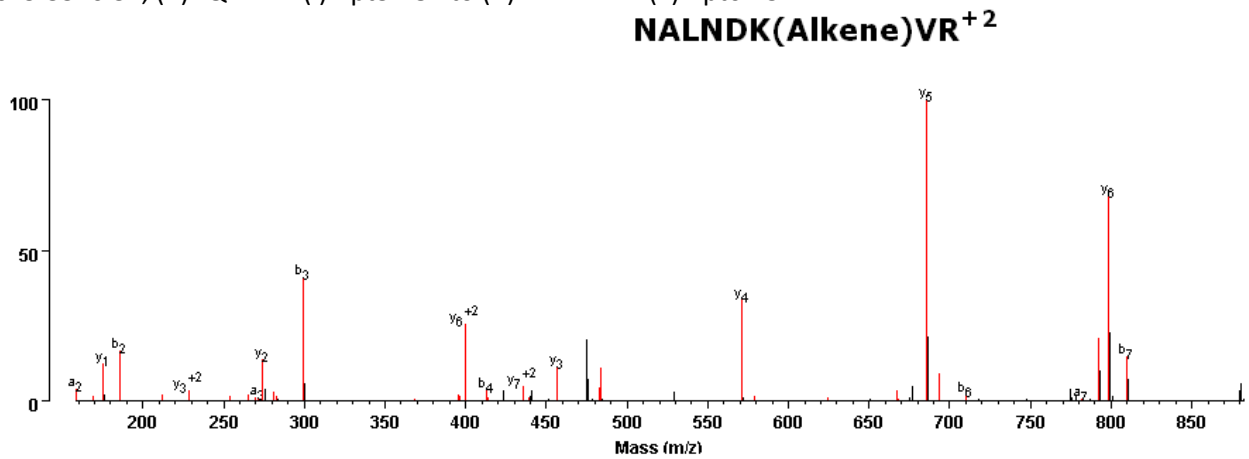


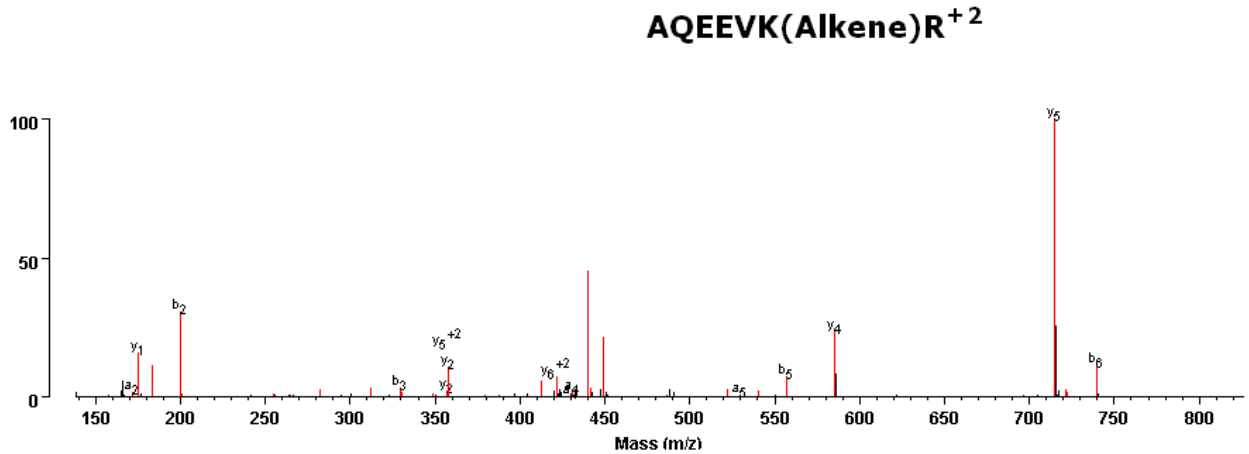
410.7231 4+, (R)HLKR(E) Rpt3:K76 to (R)NALNDKVR(F) Rpt6:K54



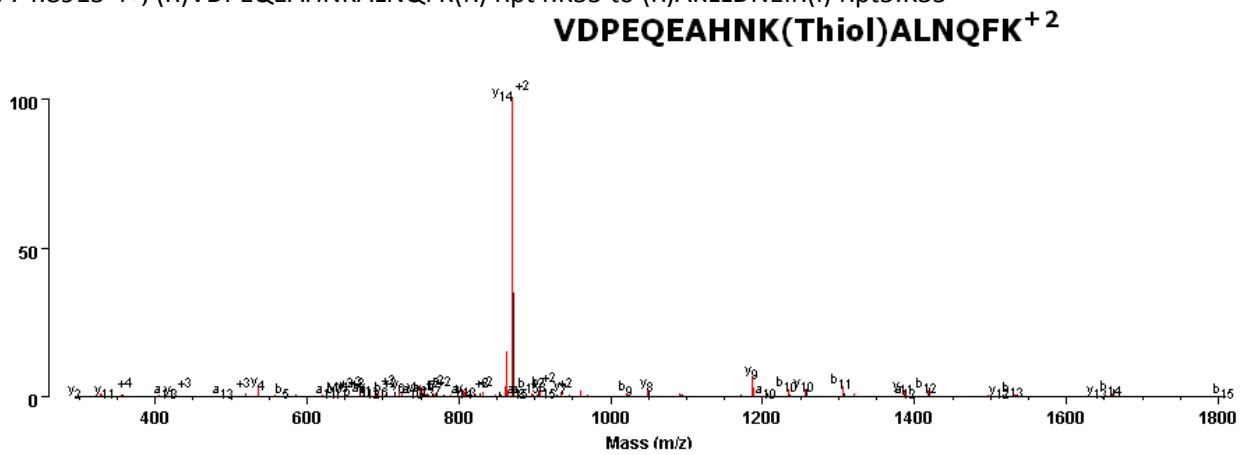


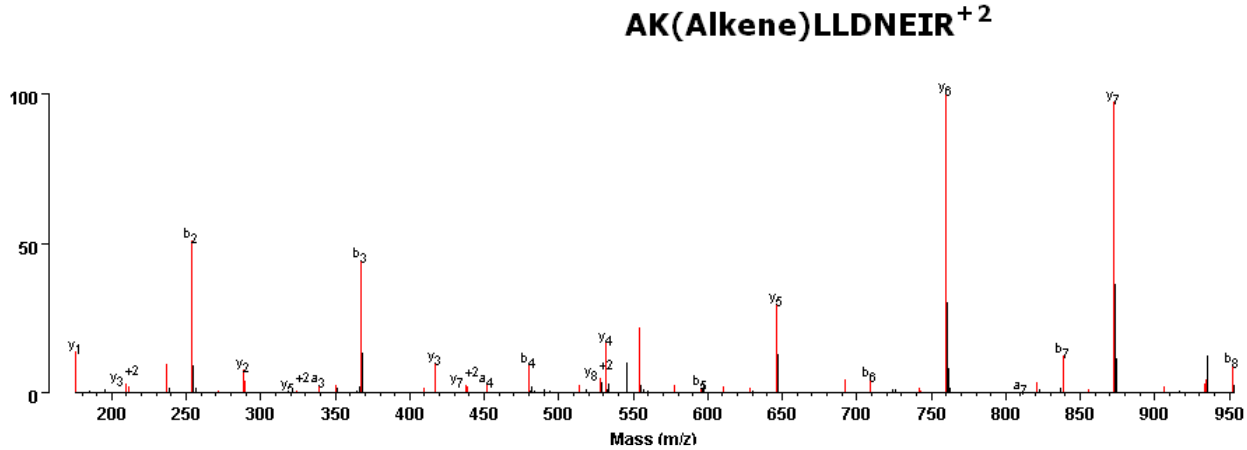
649.3320 3+, (R)AQEEVKR(I) Rpt3:K87 to (R)NALNDKVR(F) Rpt6:K54



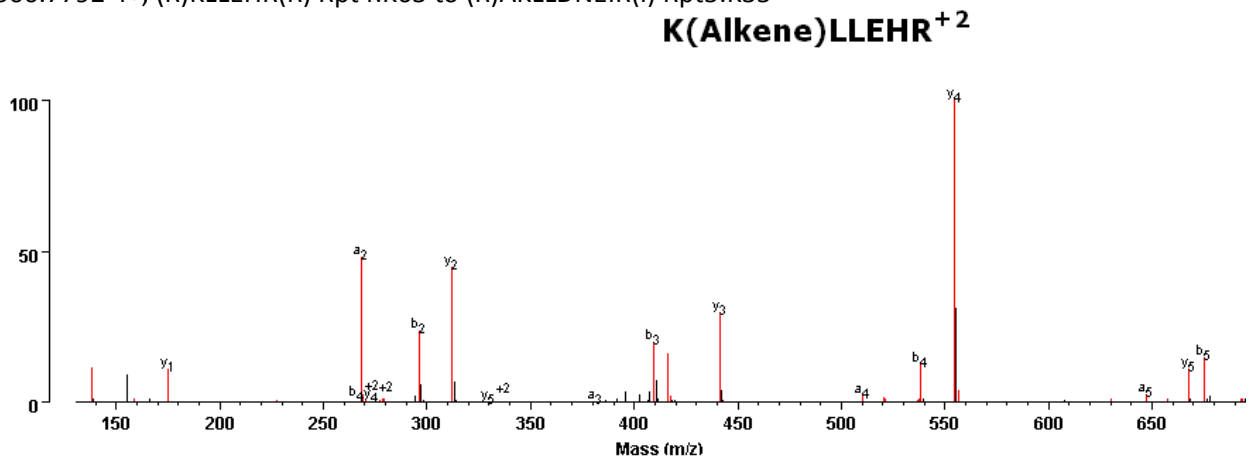


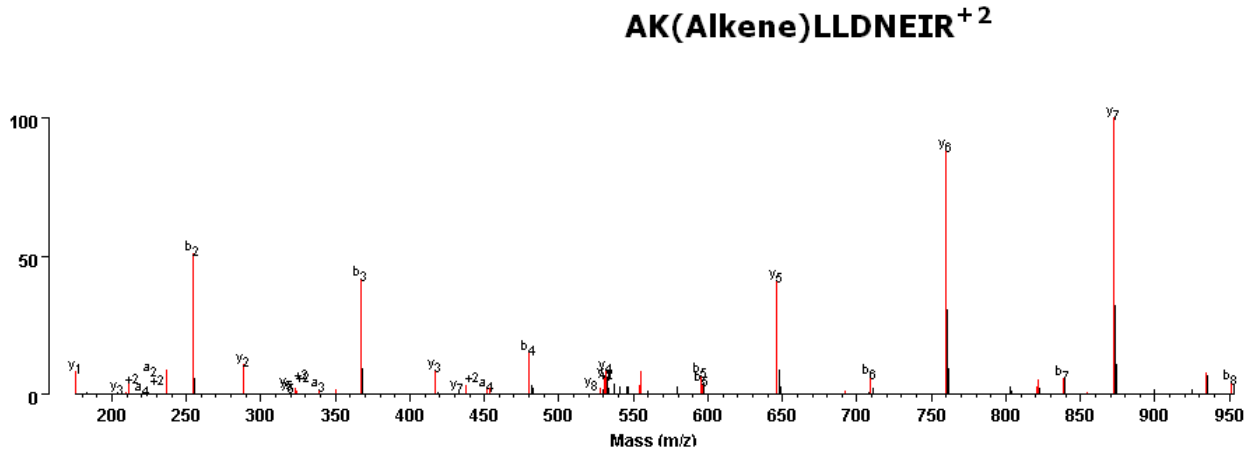
774.8915 4+, (R)VDPEQEAHNKALNQFK(R) Rpt4:K55 to (R)AKLLDNEIR(I) Rpt5:K35



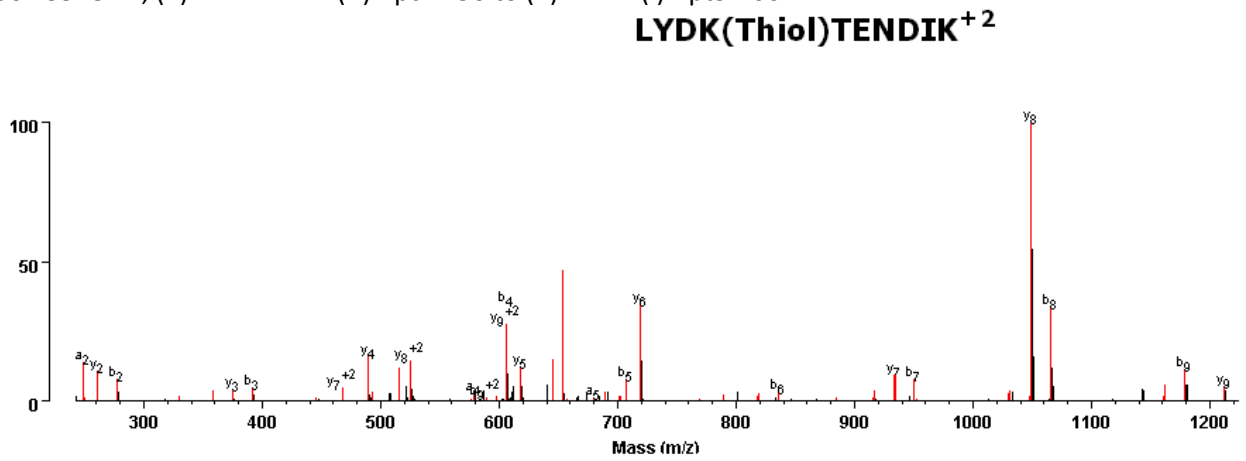


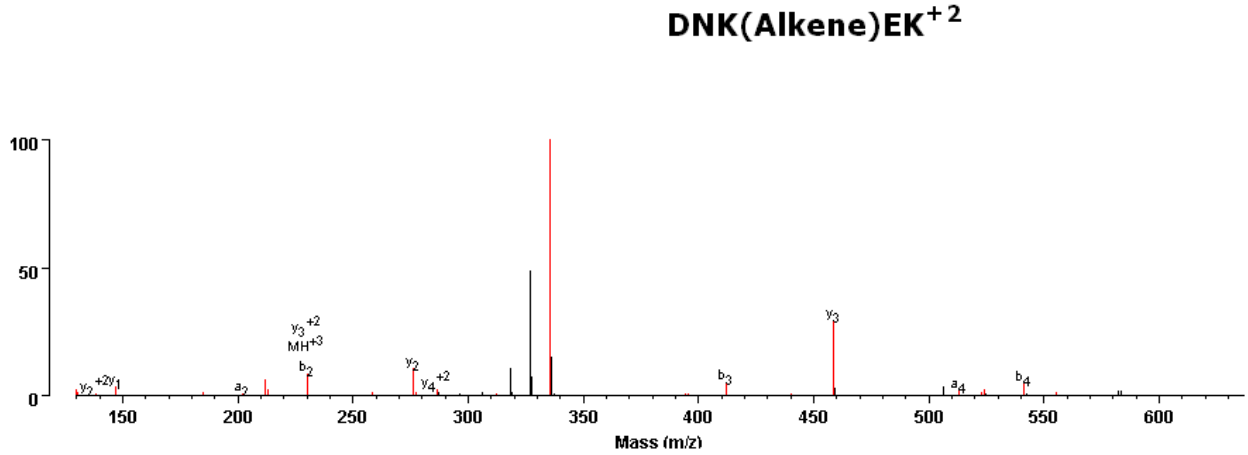
506.7792 4+, (R)KLLEHR(R) Rpt4:K63 to (R)AKLLDNEIR(I) Rpt5:K35





507.9928 4+, (K)LYDKTENDIK(A) Rpt4:K90 to (K)DNKEK(I) Rpt5:K66





539.0400 4+, AAVVK(Alkene)TSSR Rpt:5K120 to YIVK(Thiol)ASSGPR Rpt4:K120