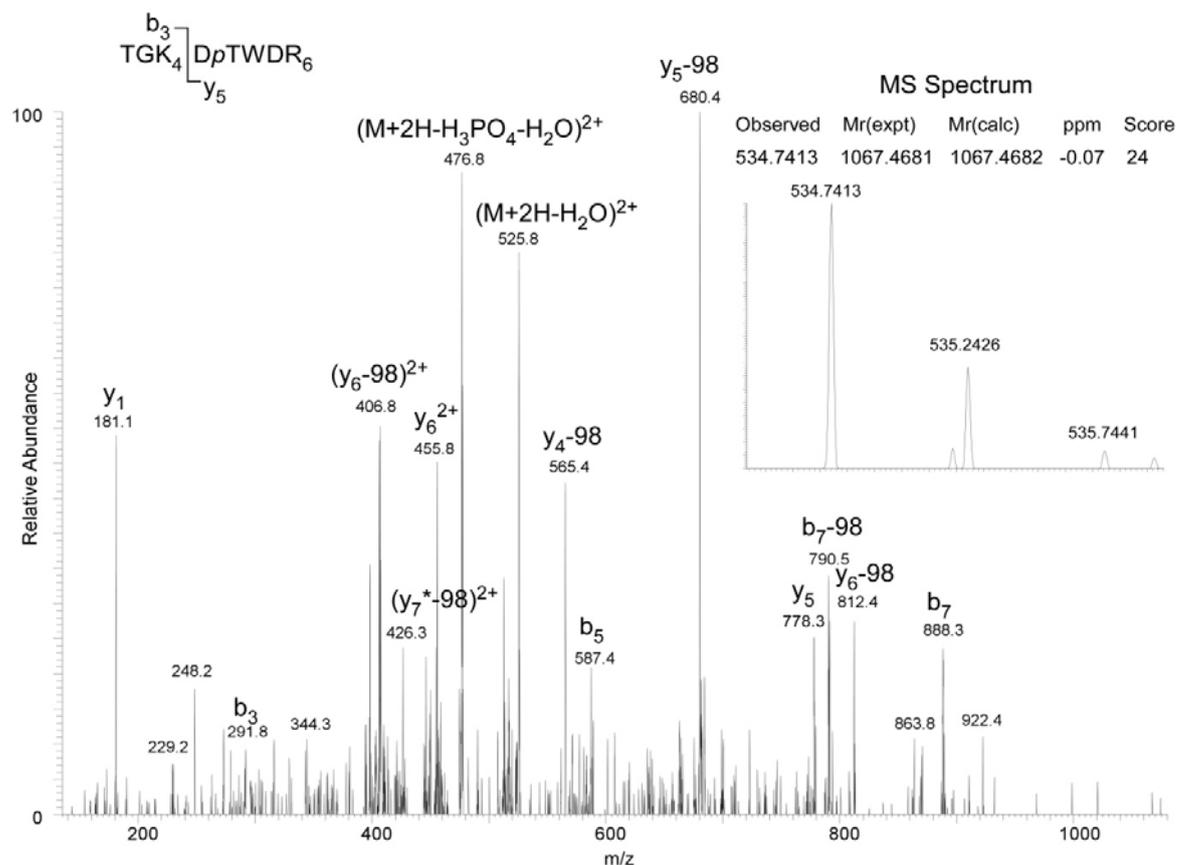
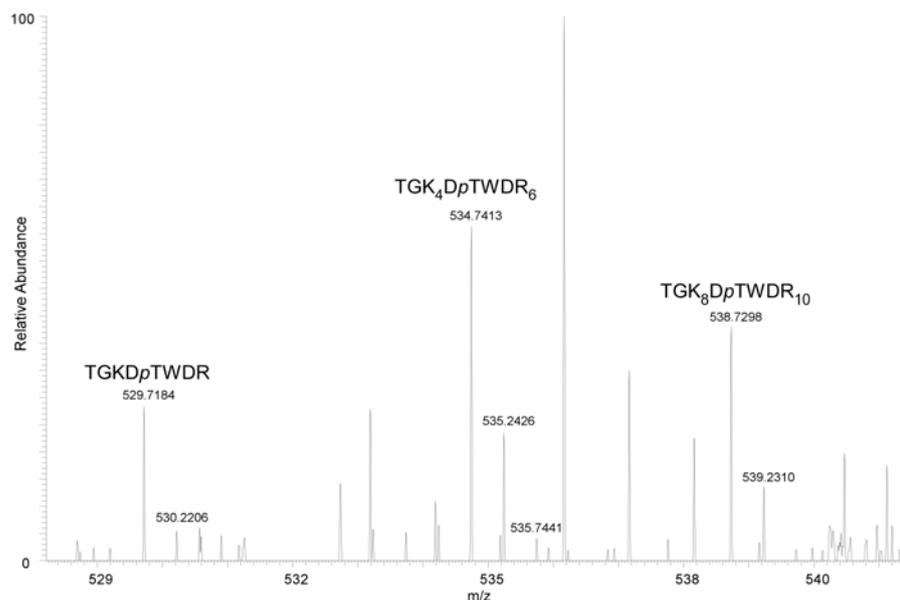
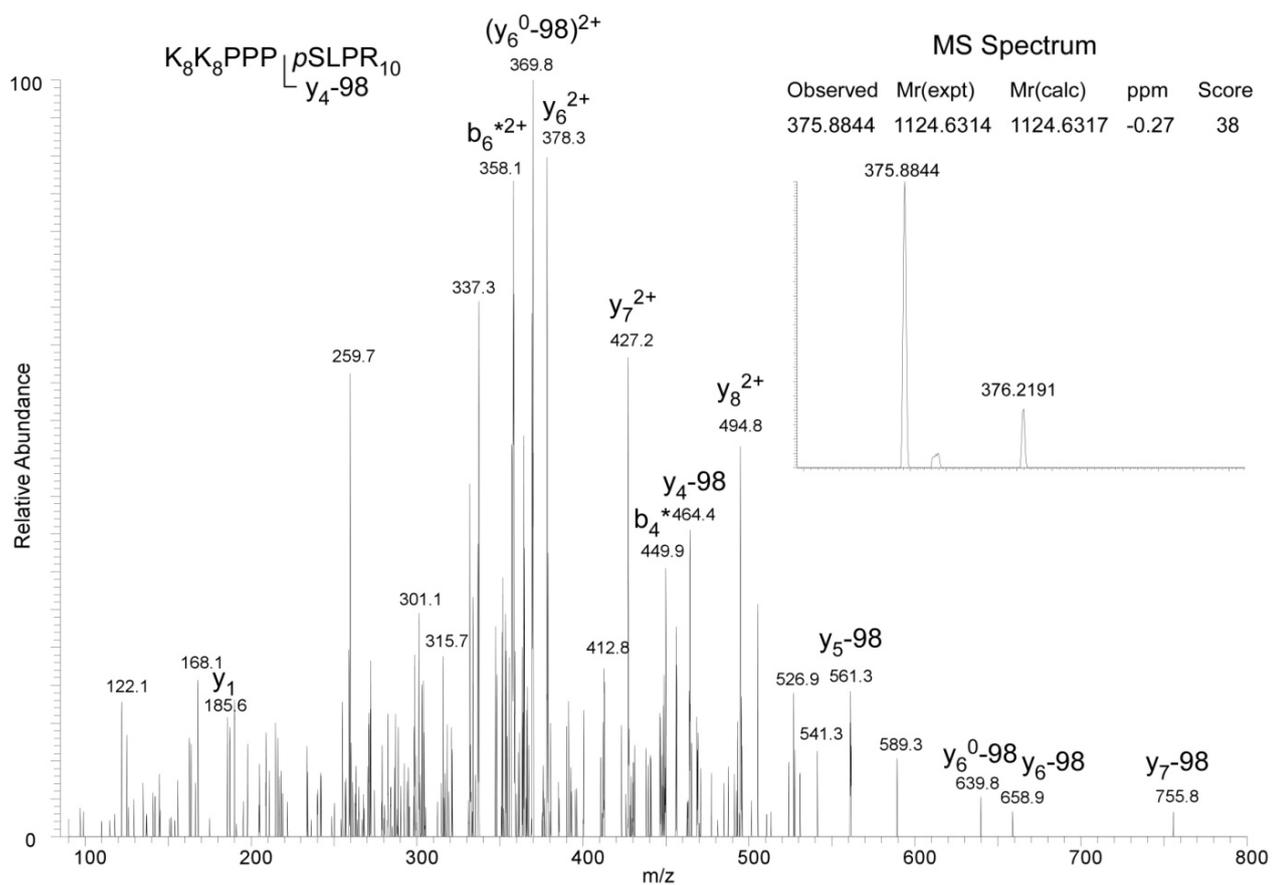
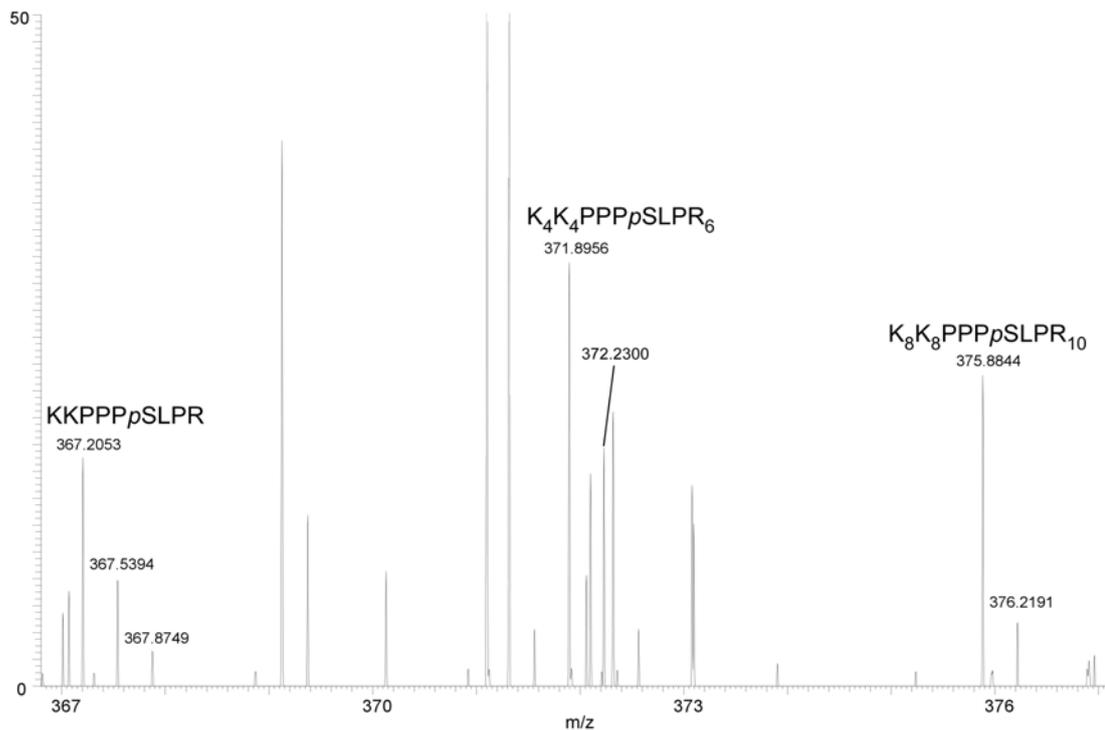
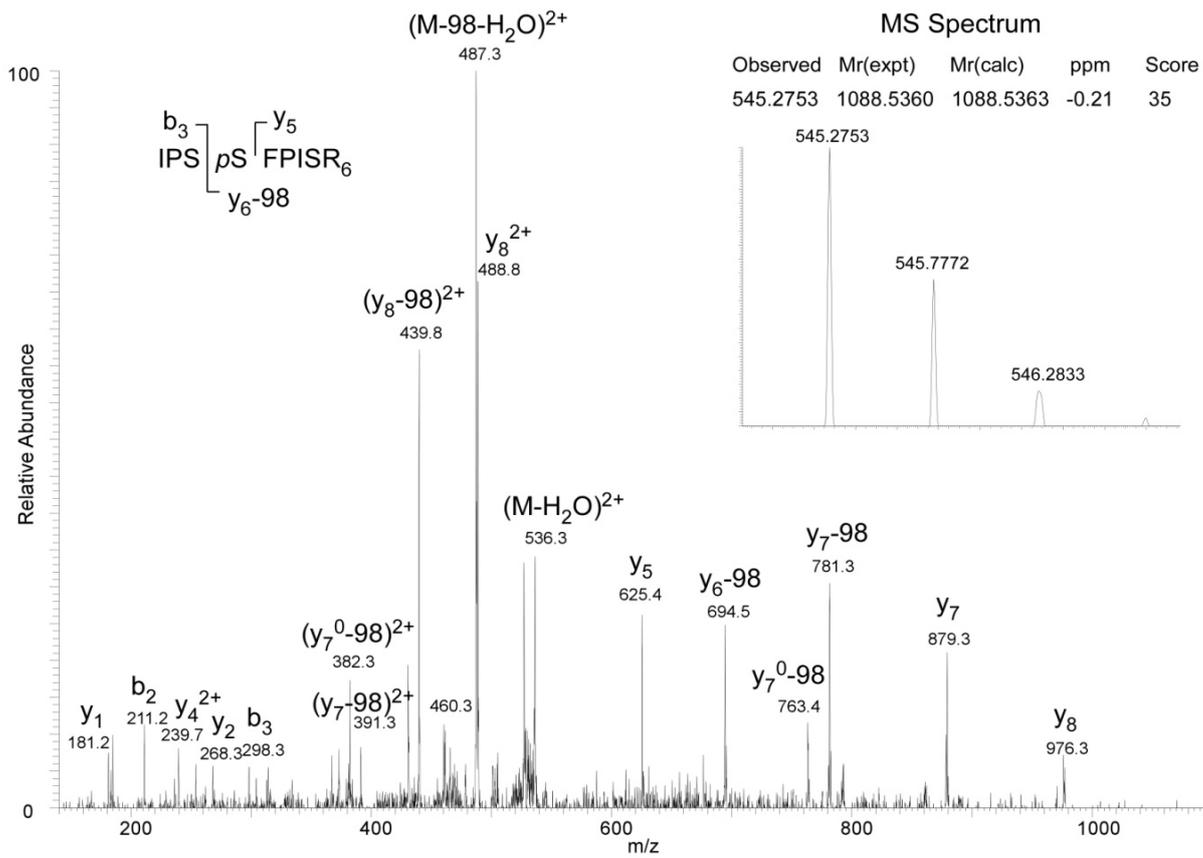
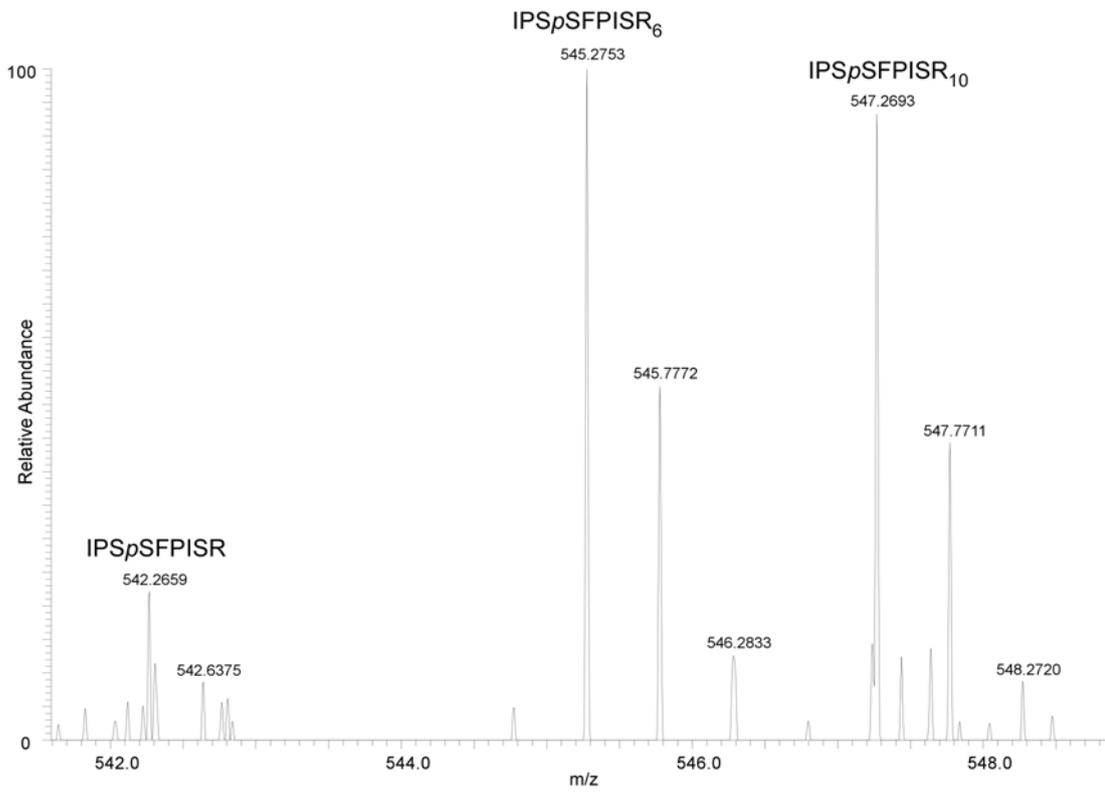


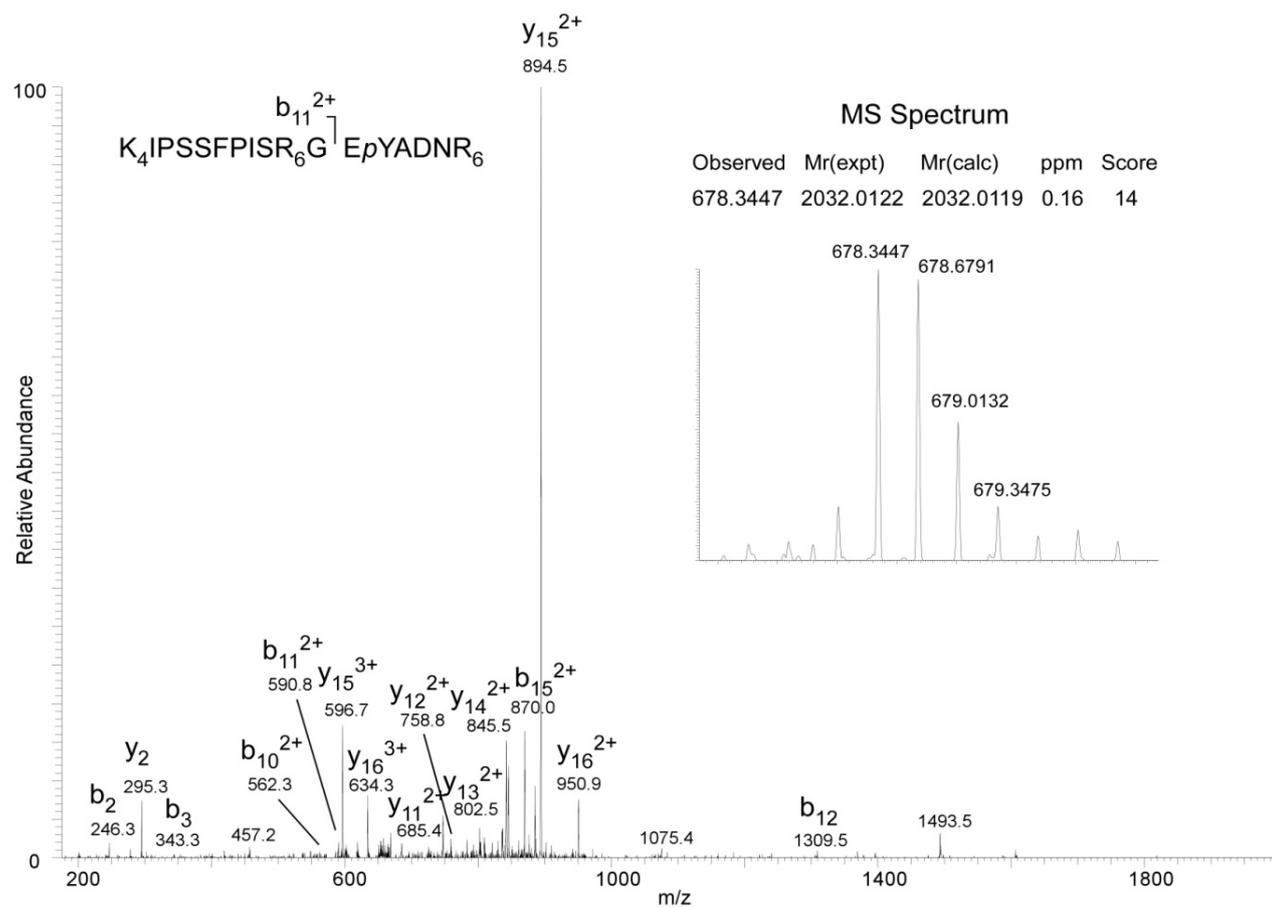
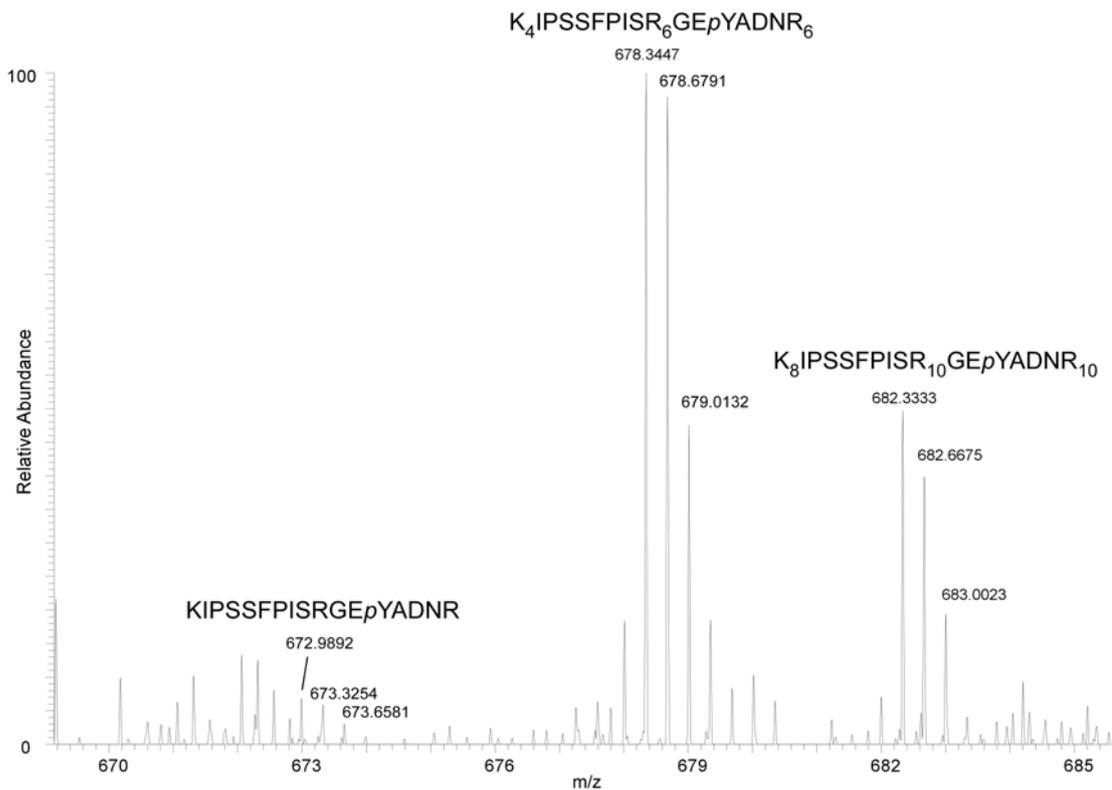
Supplementary Data 2

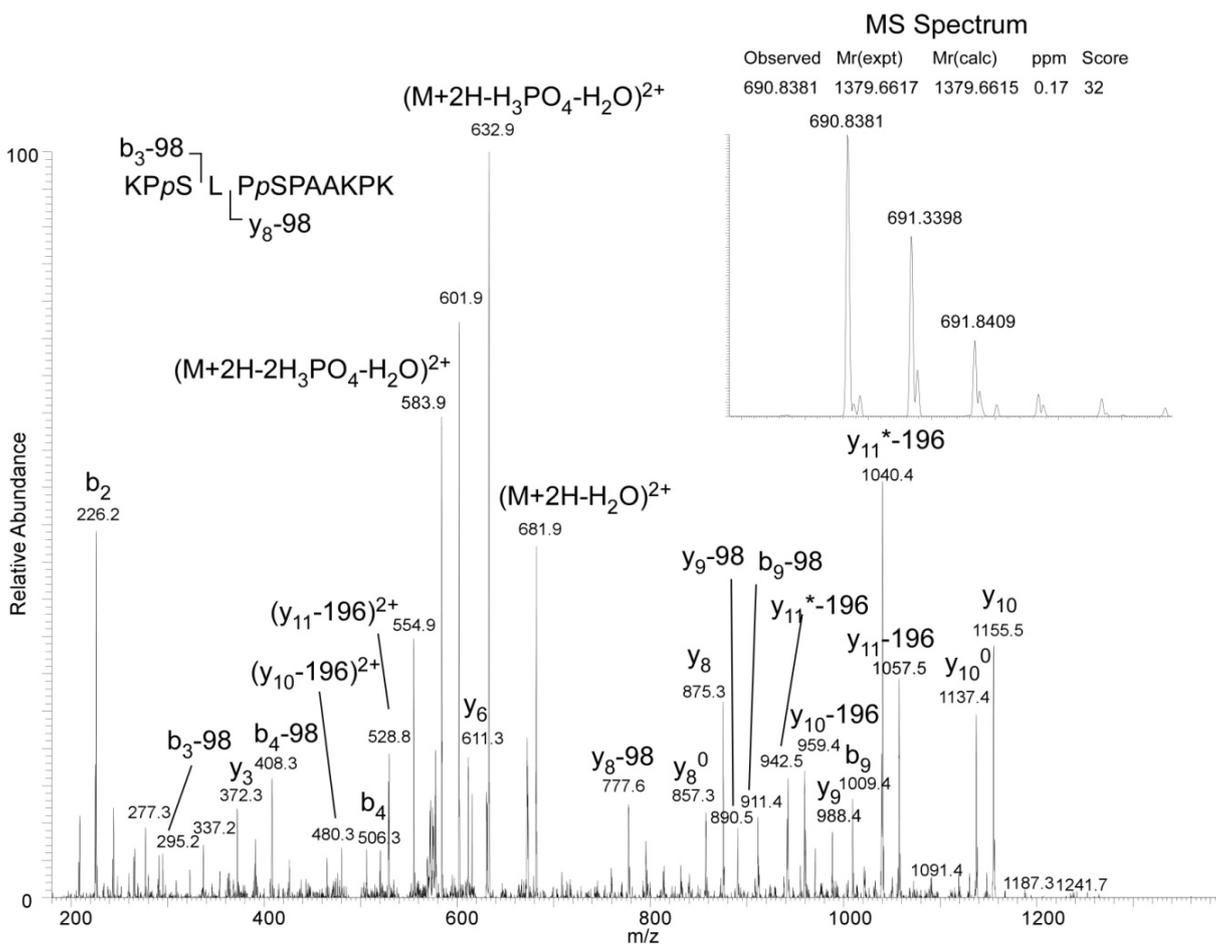
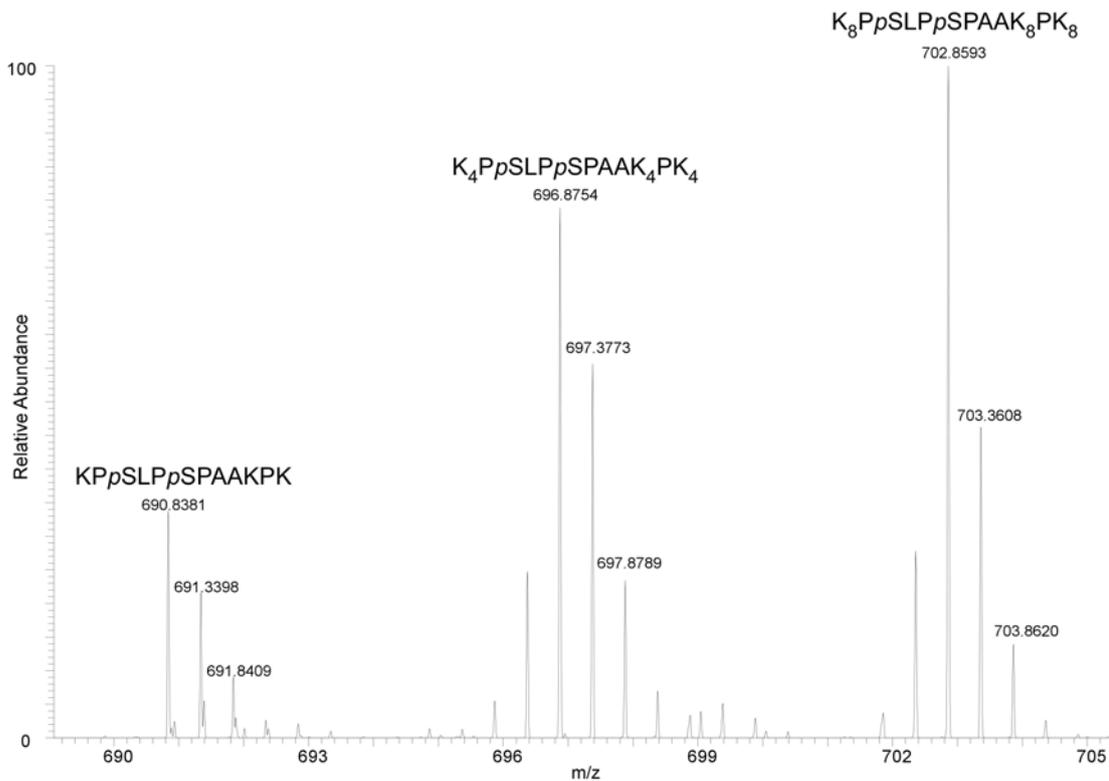
Annotated ESI-MSMS spectra of phosphorylated and quantified peptides derived from SLP-65 after digestion with trypsin and enrichment. The annotation clearly shows the phosphorylation site. Unambiguously identified phosphorylation sites are in capitals (*p*S/*p*T/*p*Y). Sites in peptides that could not be unambiguously identified are in small letters (*s*/t/*y*). Spectra were recorded either on a Q-ToF MS (Waters) and/or an Orbitrap MS (ThermoFisherScientific). The precursor in MS showed a mass accuracy of ≤ 15 ppm and ≤ 2 ppm, respectively. Y-type and b-type ions are listed within the spectra and the given sequence. Subscripted numbers indicate the number of heavy isotopes in Lys- and Arg-residues within the peptide.

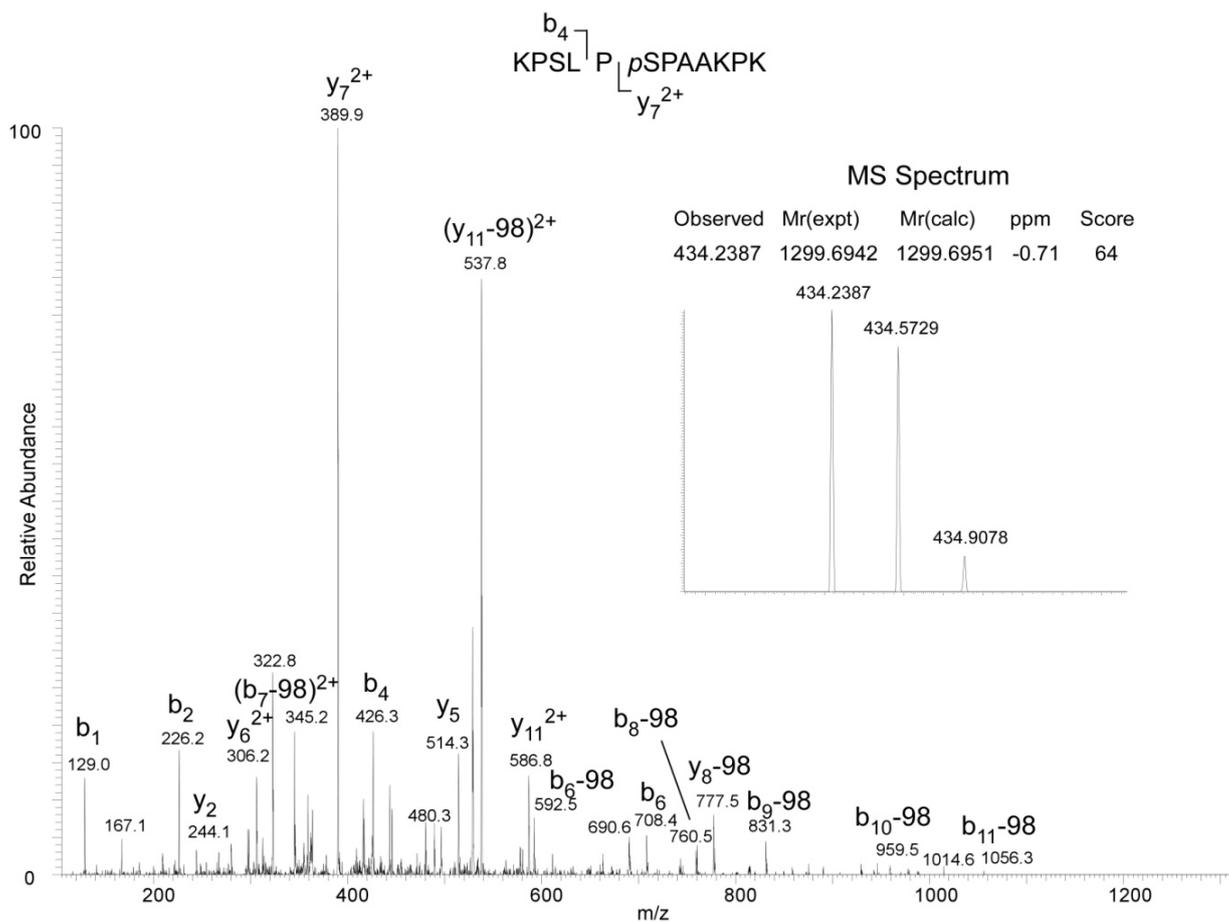
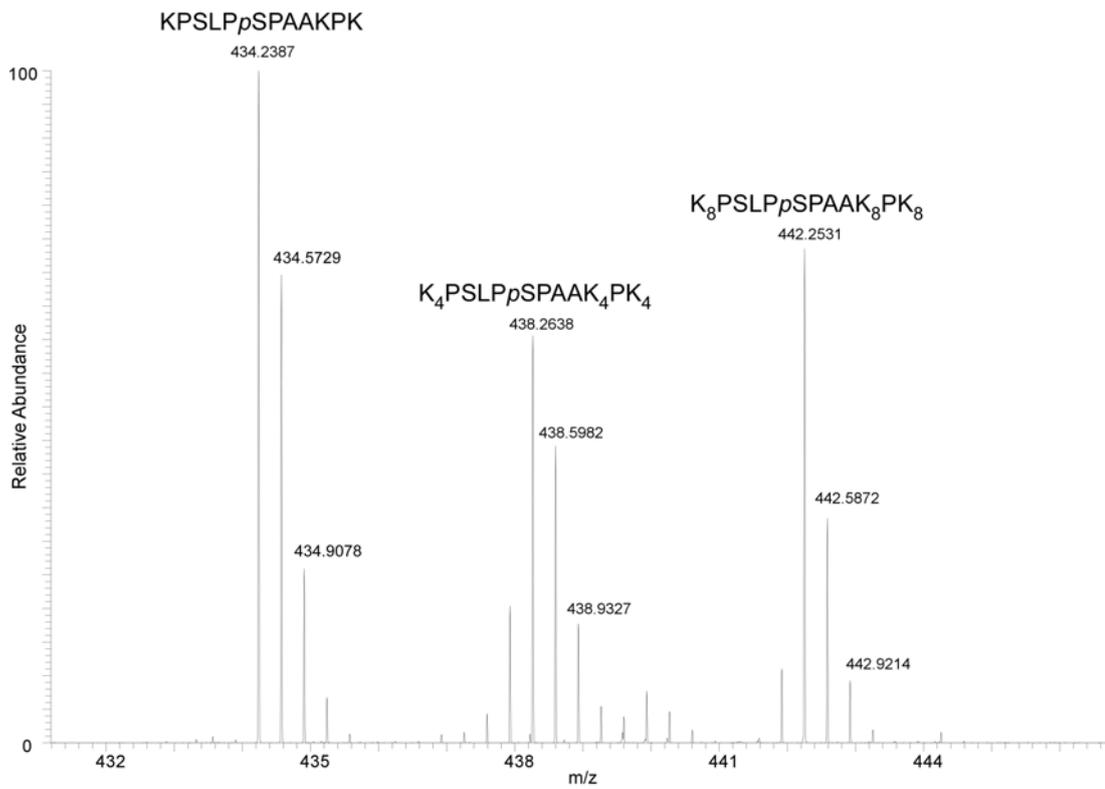




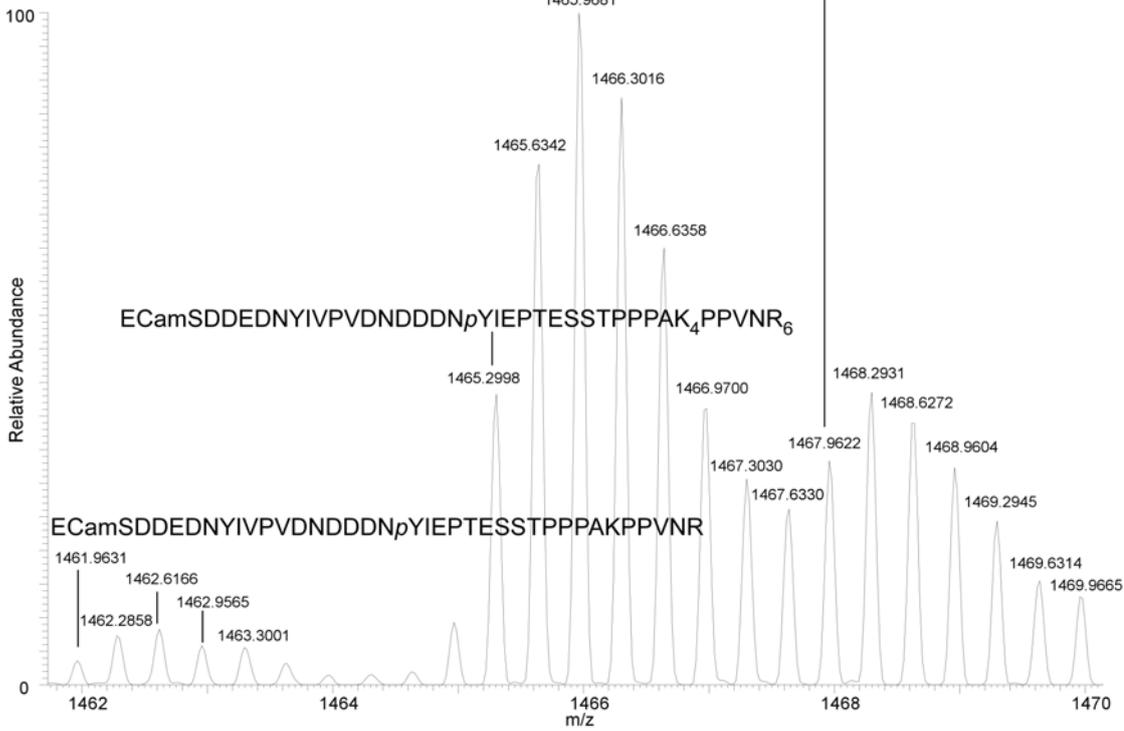




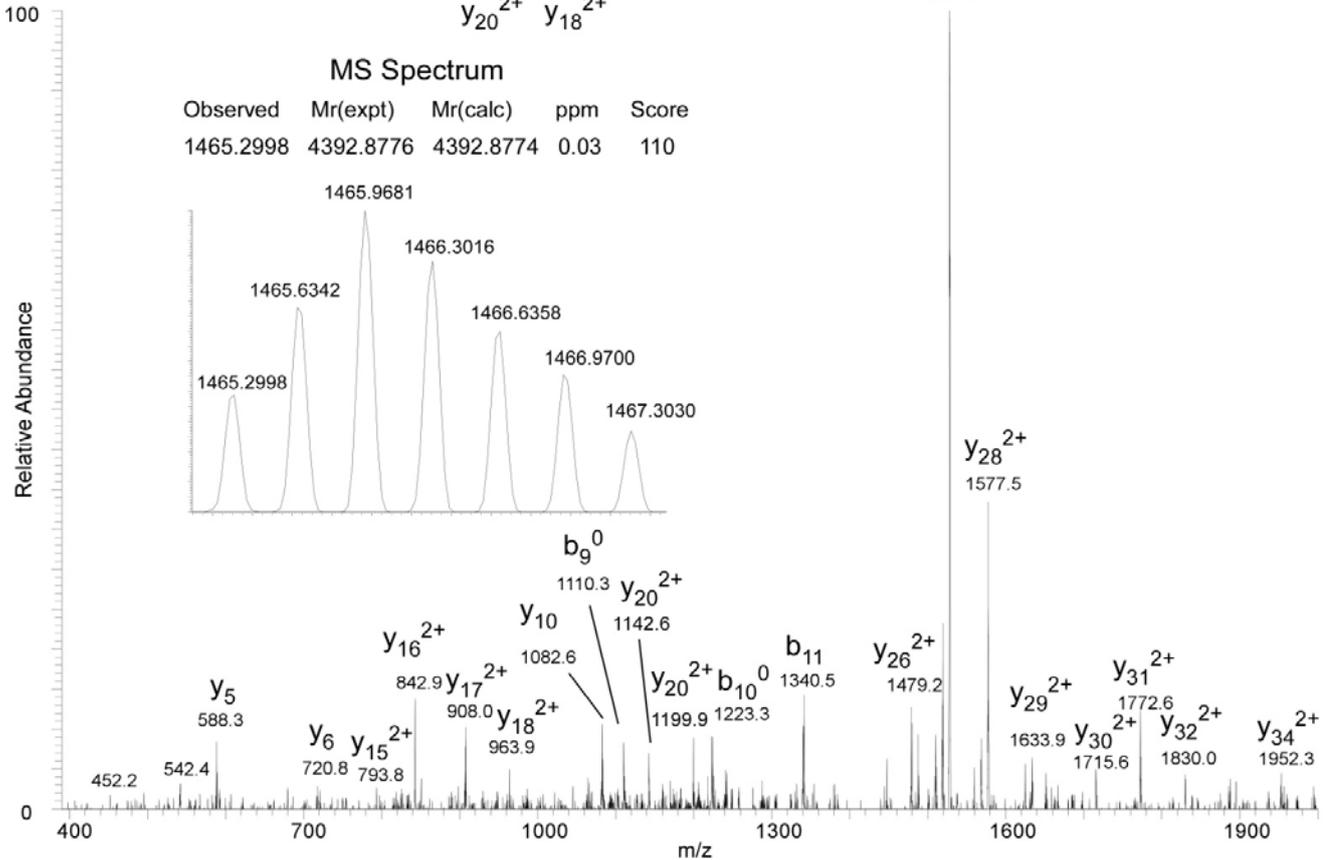


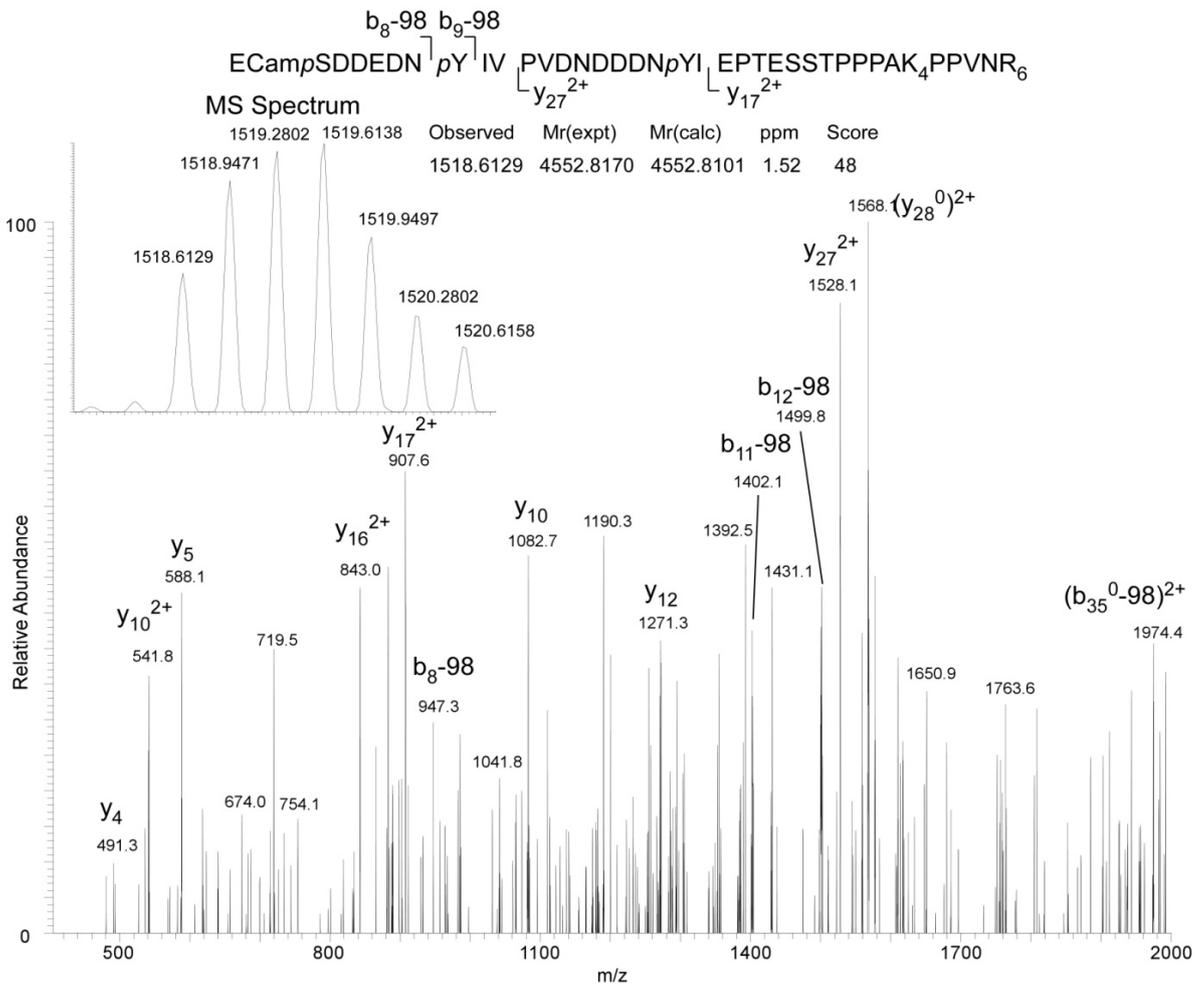
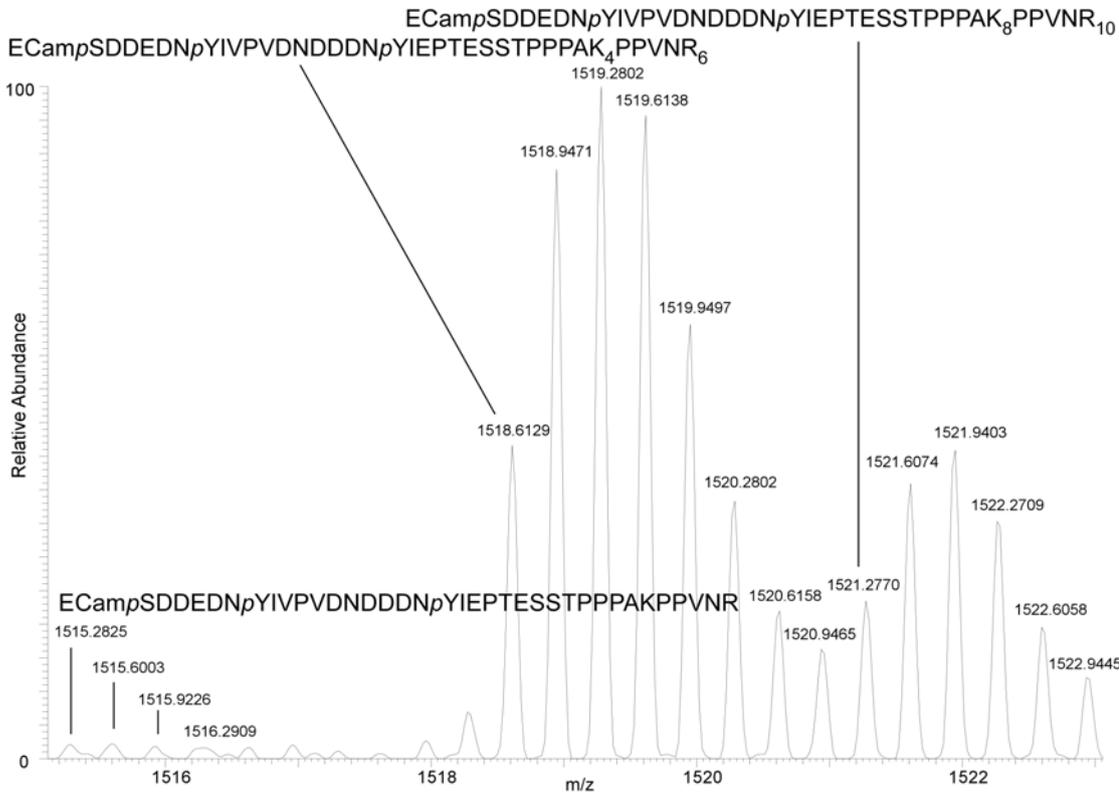


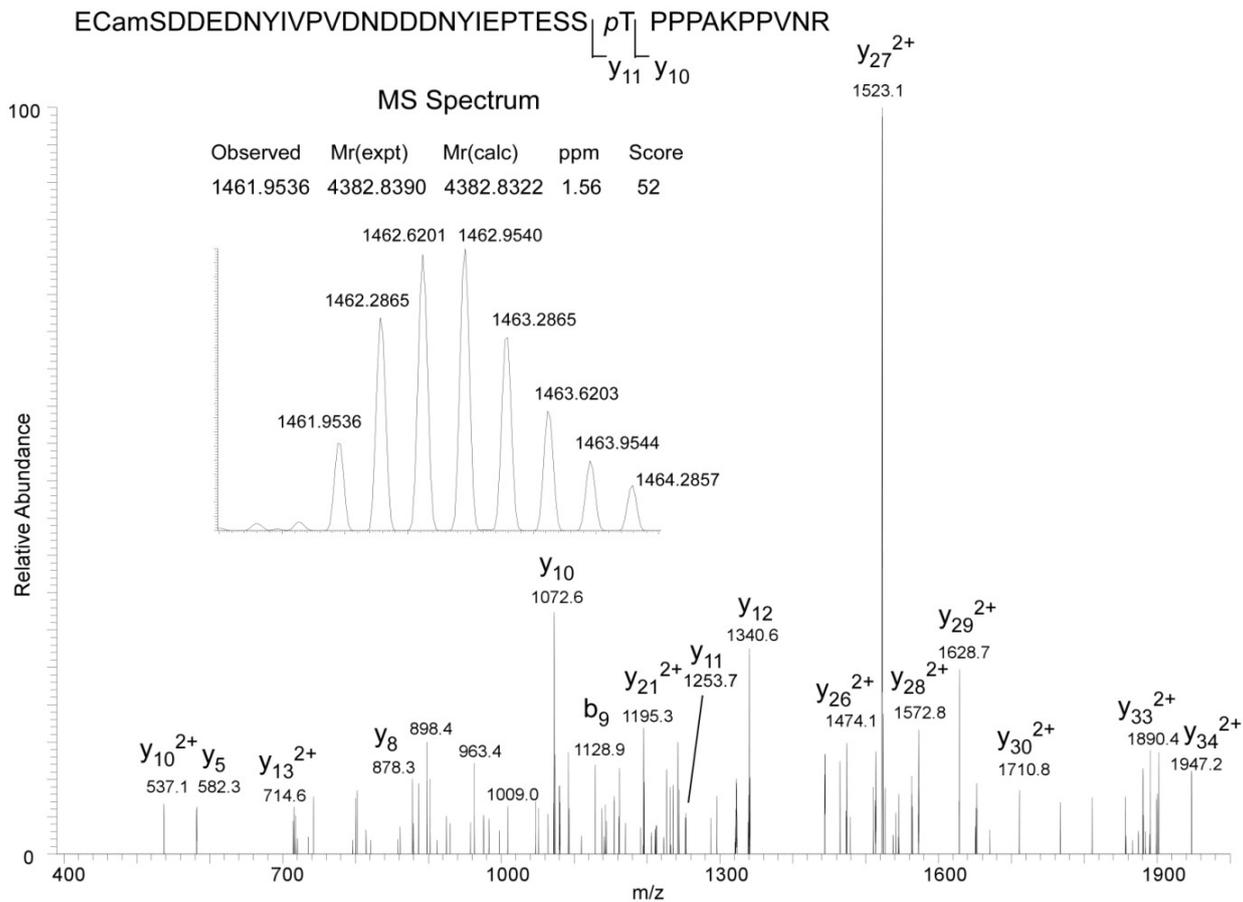
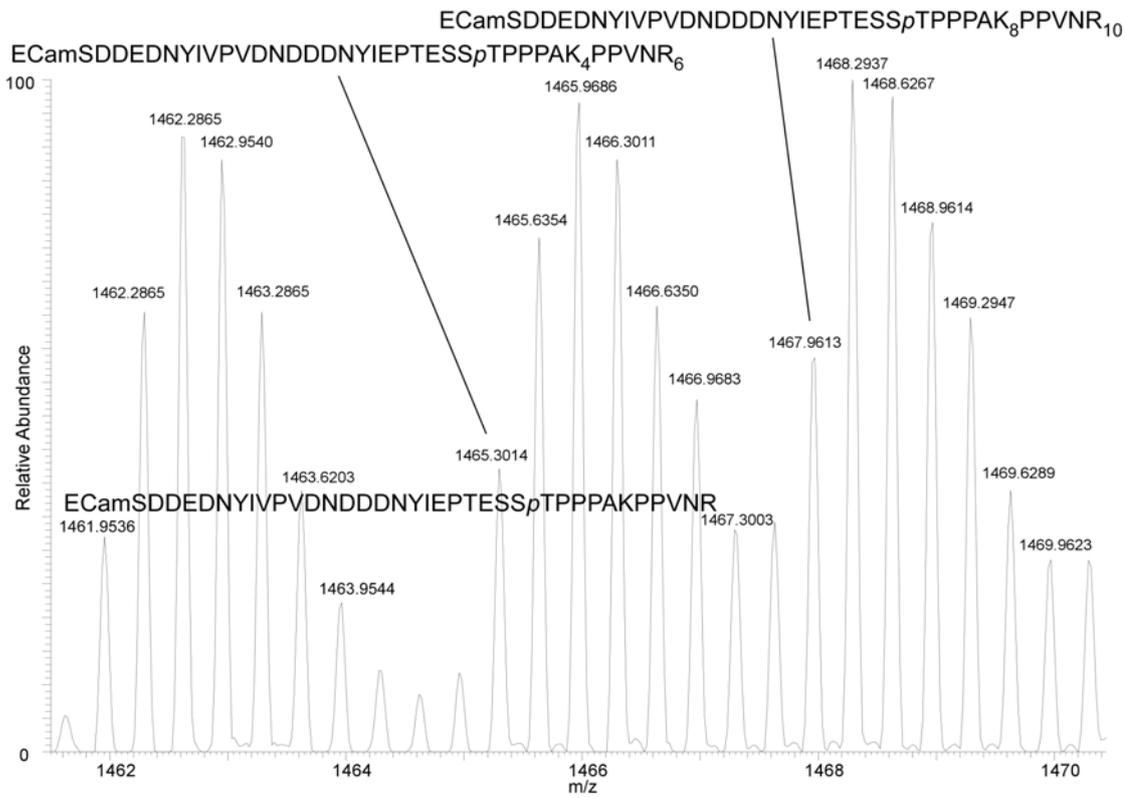
ECamSDDDEDNYIVPDNDDDN ρ YIEPTESSTPPPAK $_8$ PPVNR $_{10}$



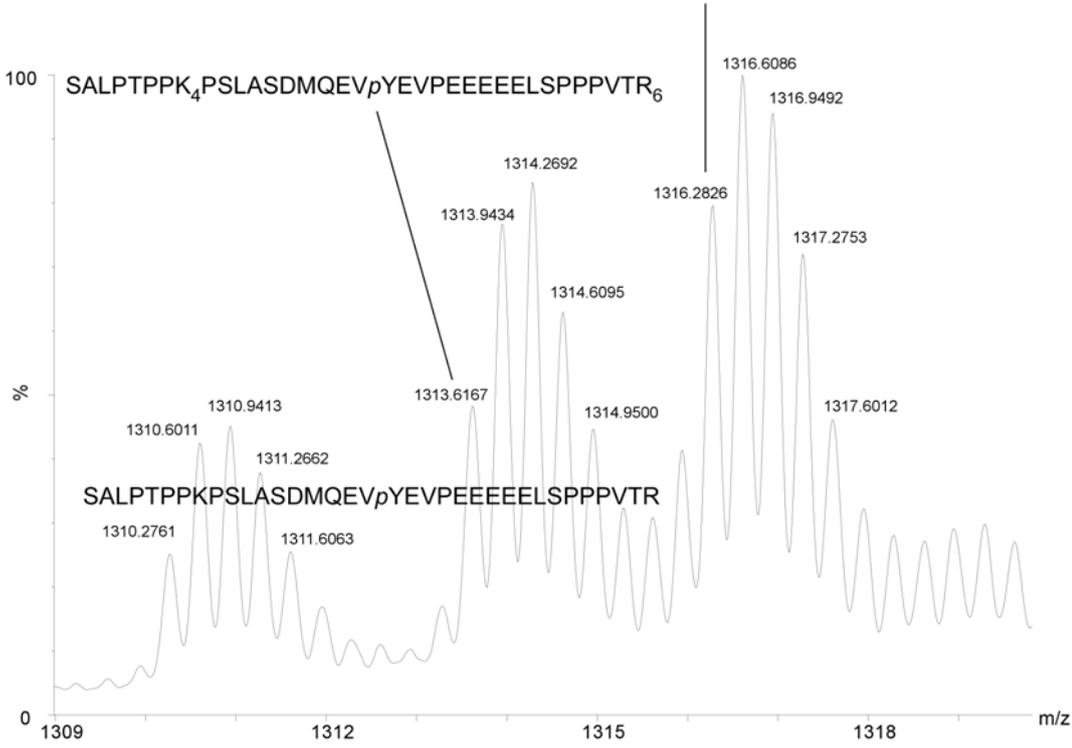
ECamSDDDEDNYIV $\left[\begin{array}{l} b_{11} \\ \vdots \\ y_{20}^{2+} \end{array} \right]$ PVDNDD $\left[\begin{array}{l} \vdots \\ y_{18}^{2+} \end{array} \right]$ N ρ Y $\left[\begin{array}{l} \vdots \\ y_{27}^{2+} \end{array} \right]$ IEPTESSTPPPAK $_4$ PPVNR $_6$





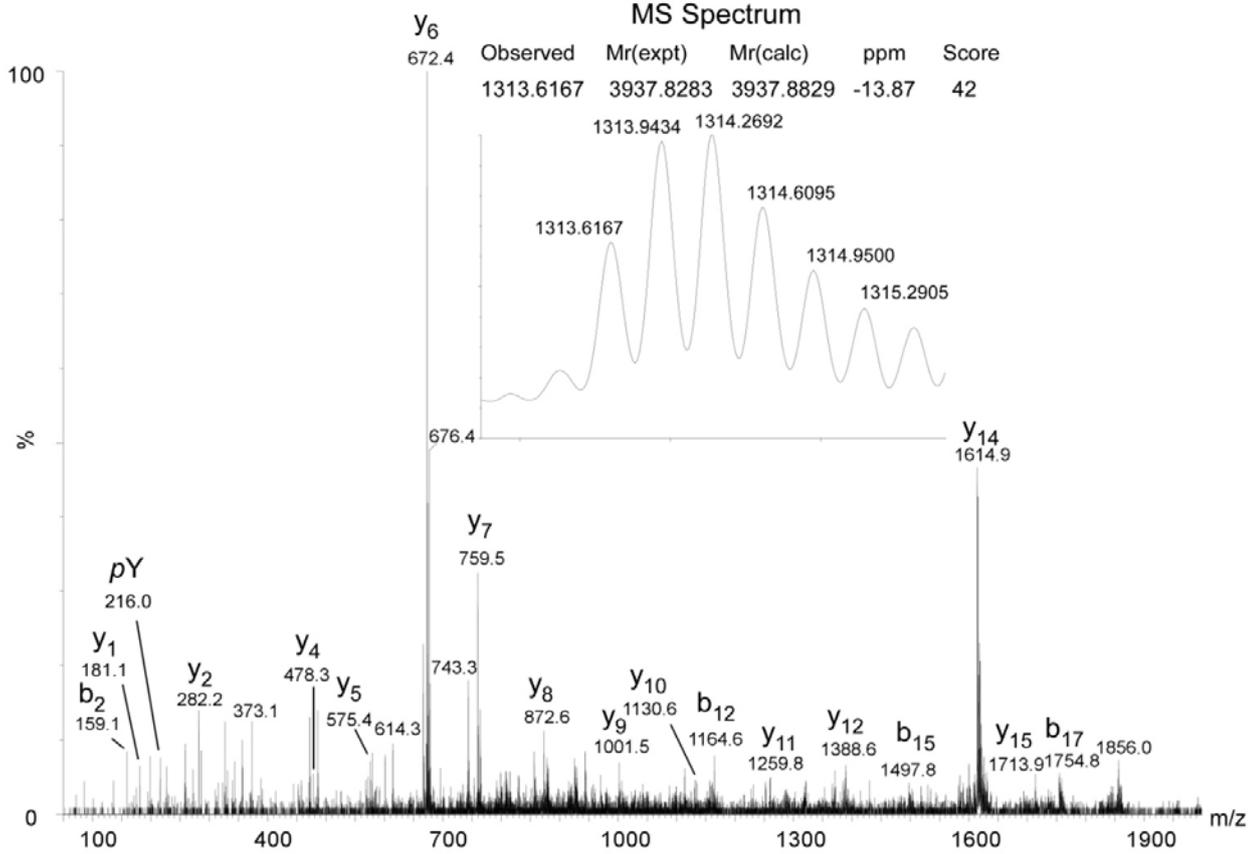


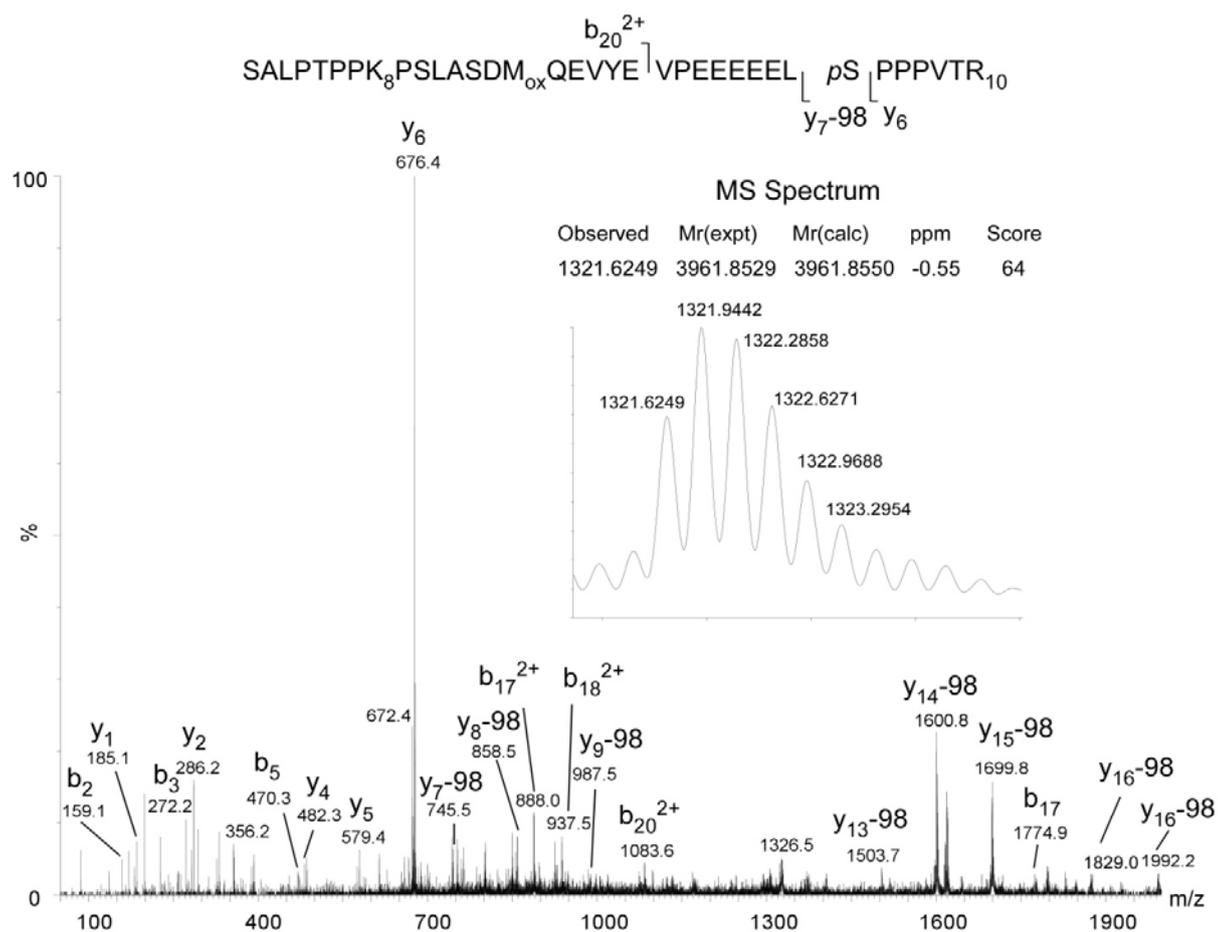
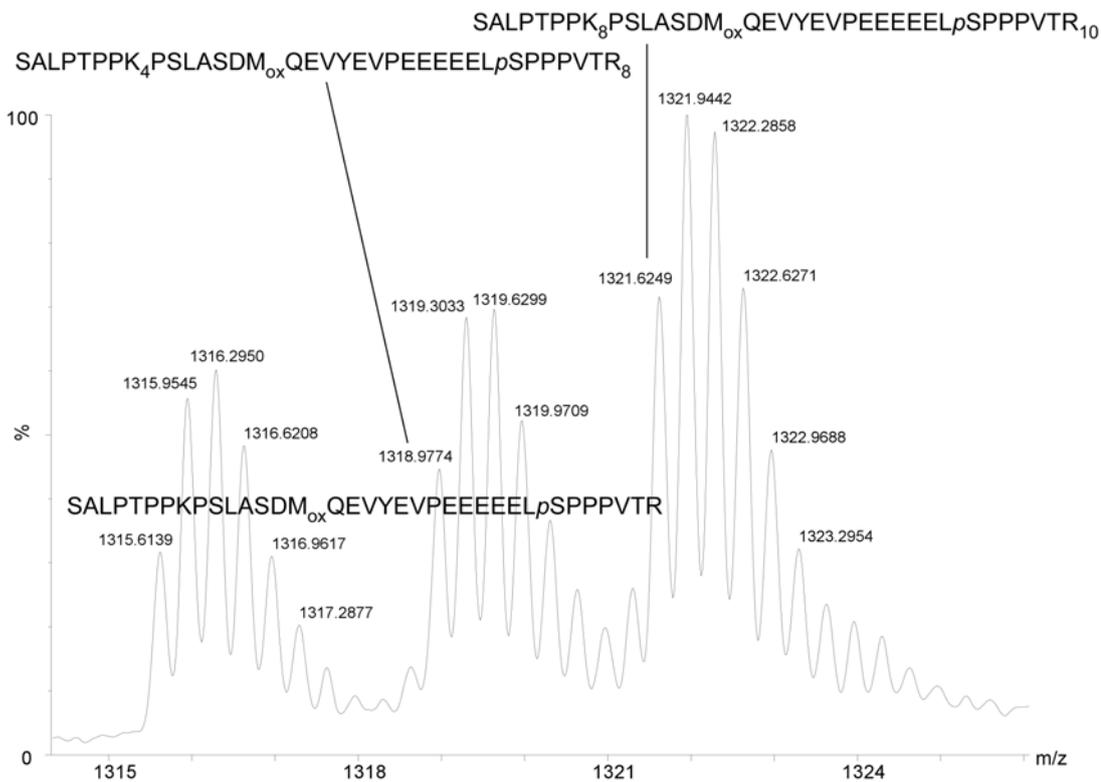
SALPTPPK₈PSLASDMQEV_pYEVPEEEEEELSPPPVTR₁₀



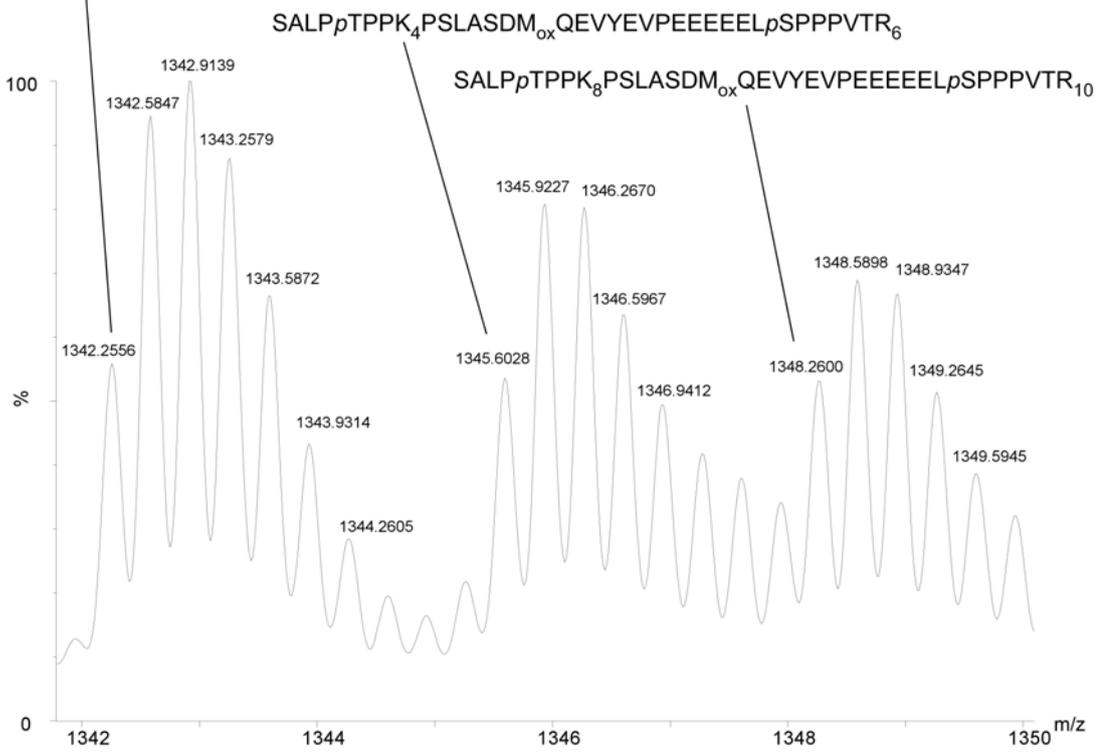
SALPTPPK₄PSLASDMQEV_pYEVPEEEEEELSPPPVTR₆

MS Spectrum

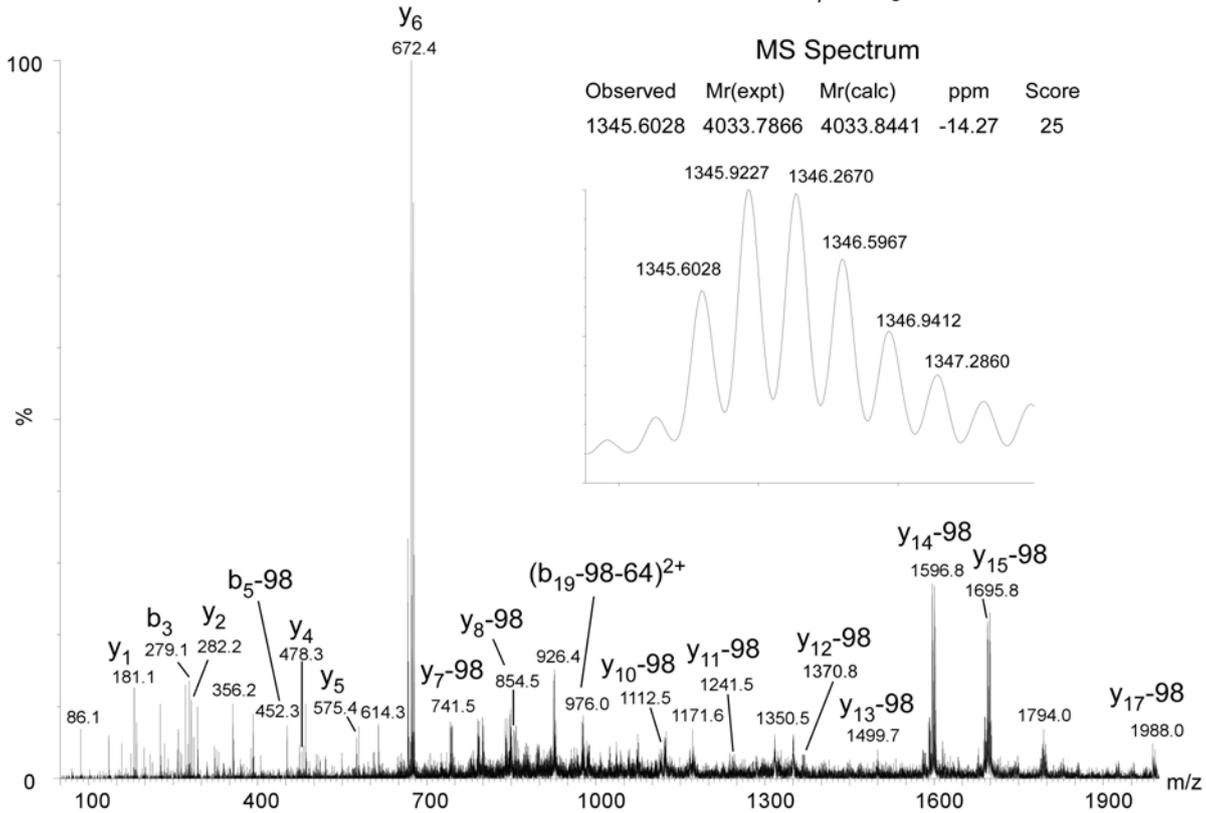


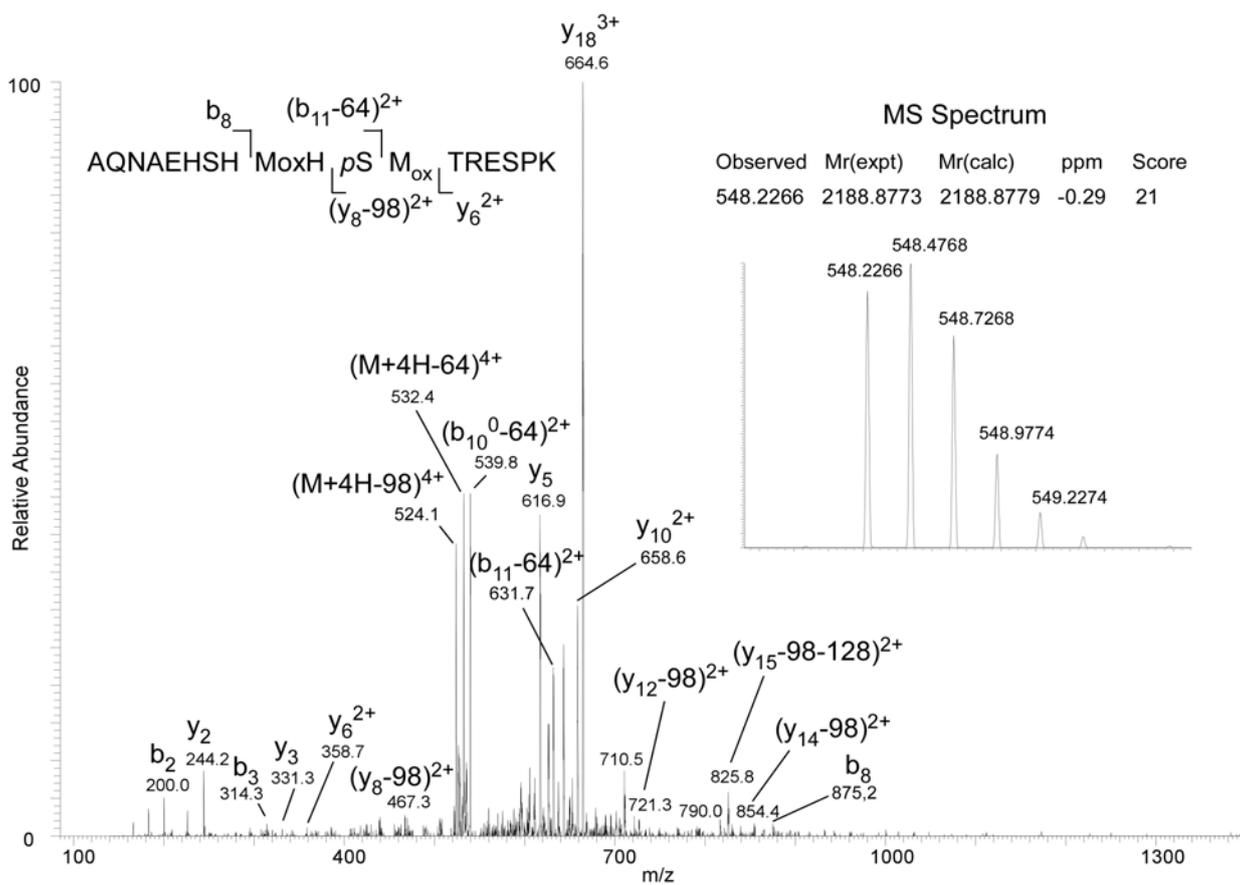
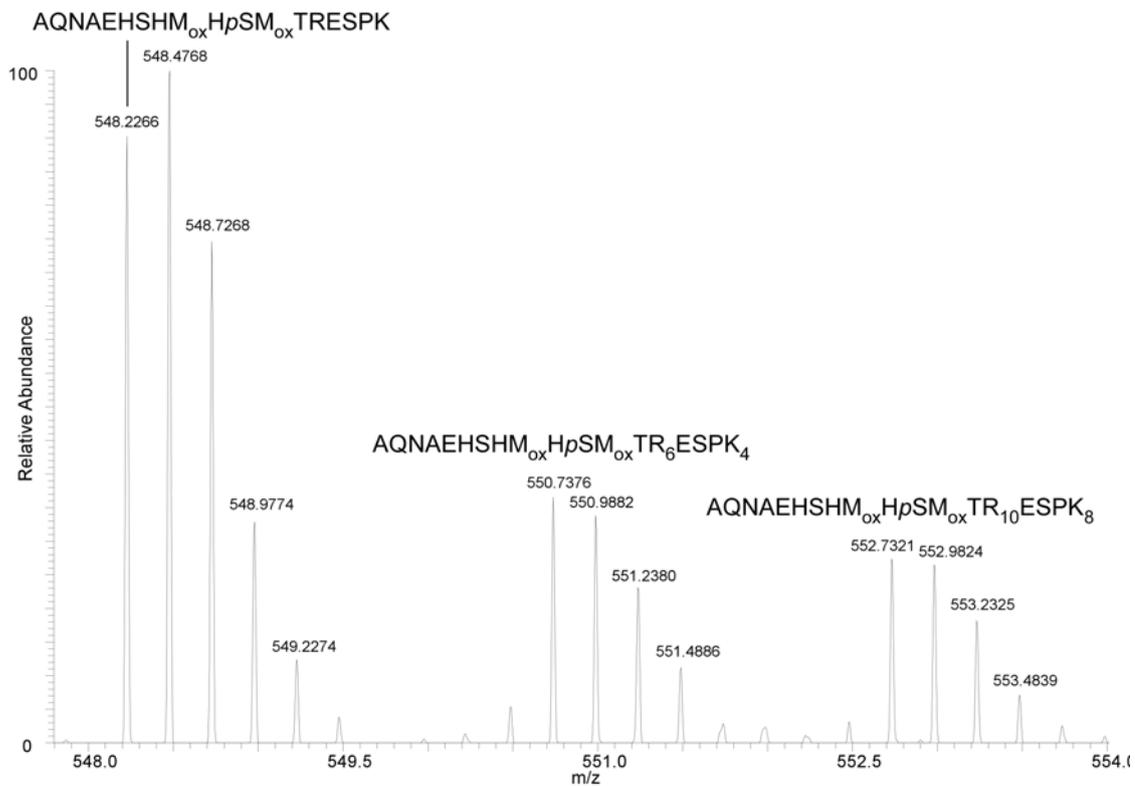


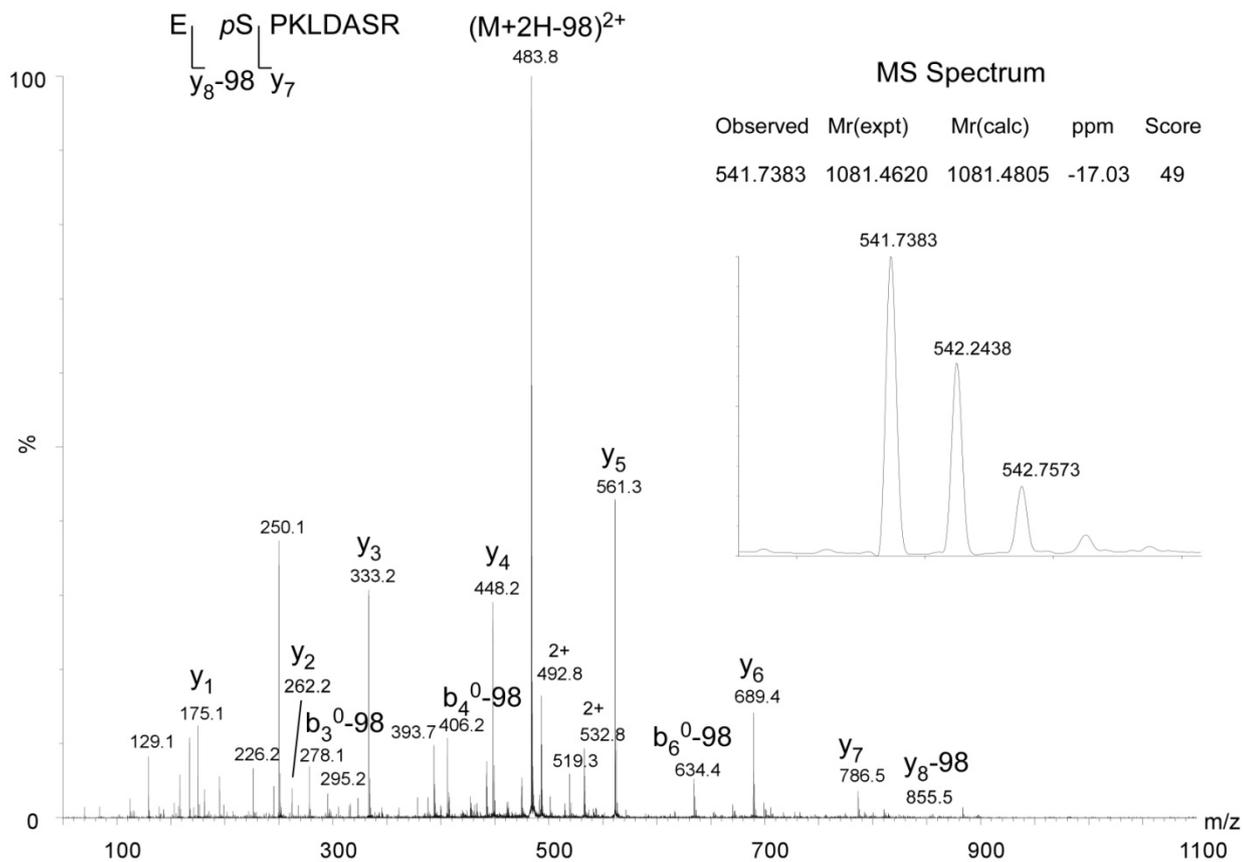
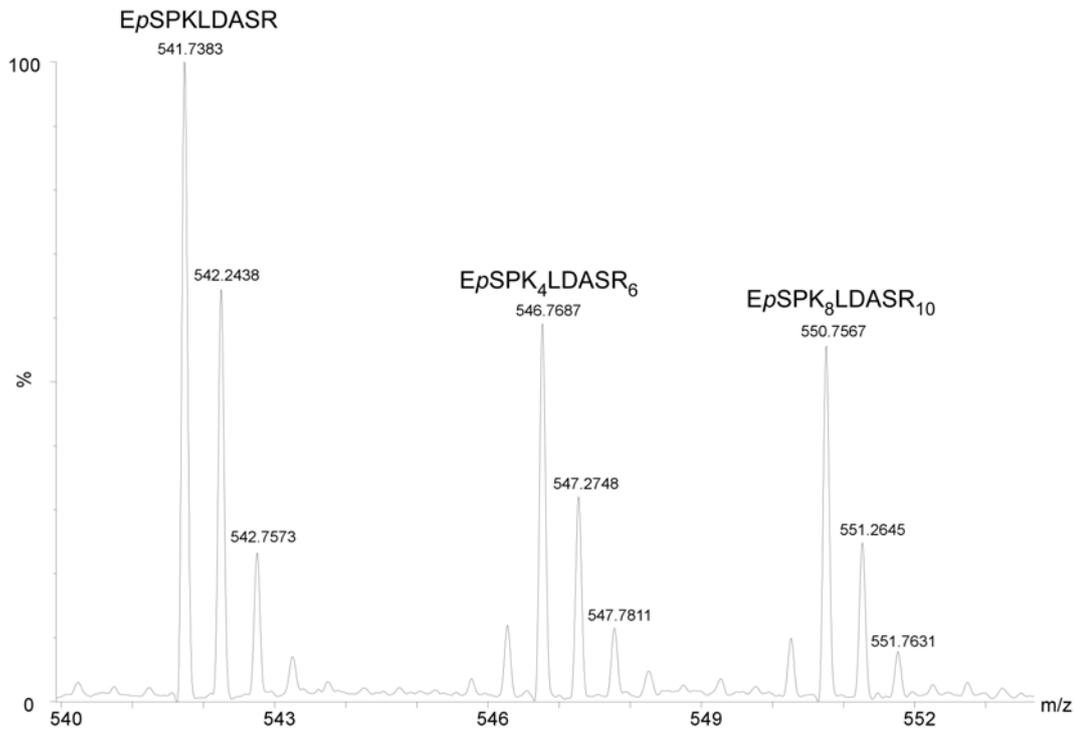
SALP_pTPPK₄PSLASDM_{ox}QEVYEVPEEEEEEL_pSPPPVTR

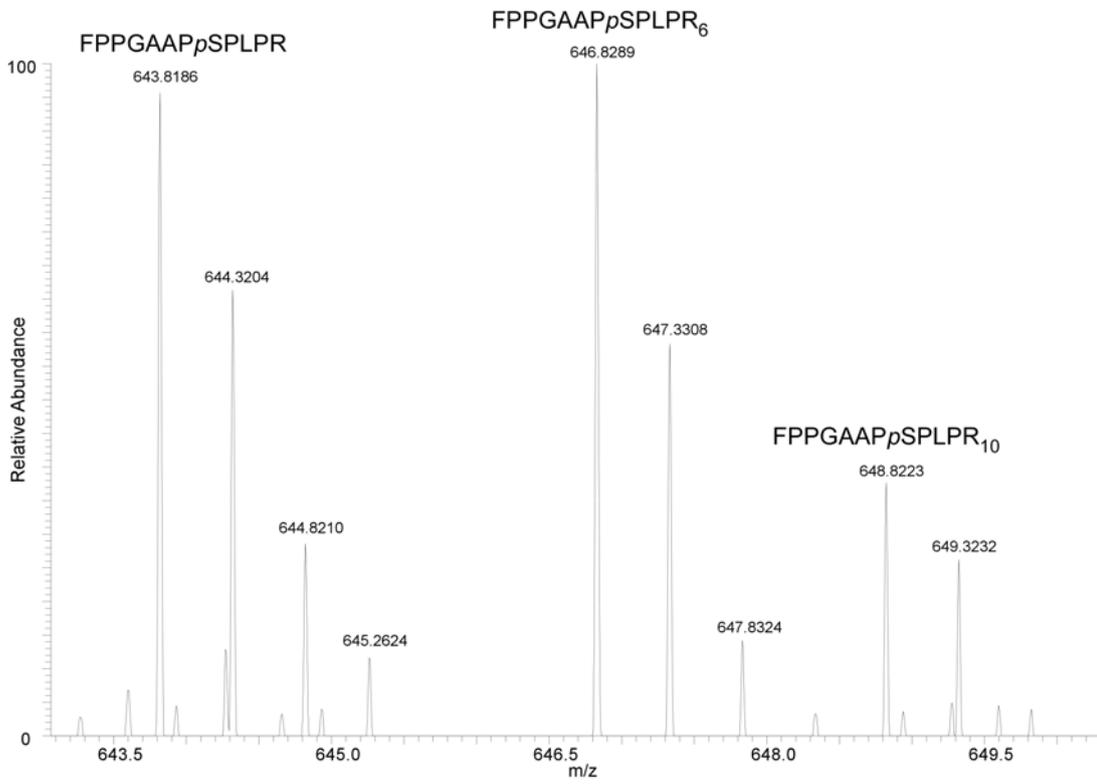


b₃ b₅-98
 SAL₁P_pT₁PPK₄PSLASDM_{ox}QEVYEVPEEEEEEL_pS₁PPPVTR₆
 y₇-98 y₆



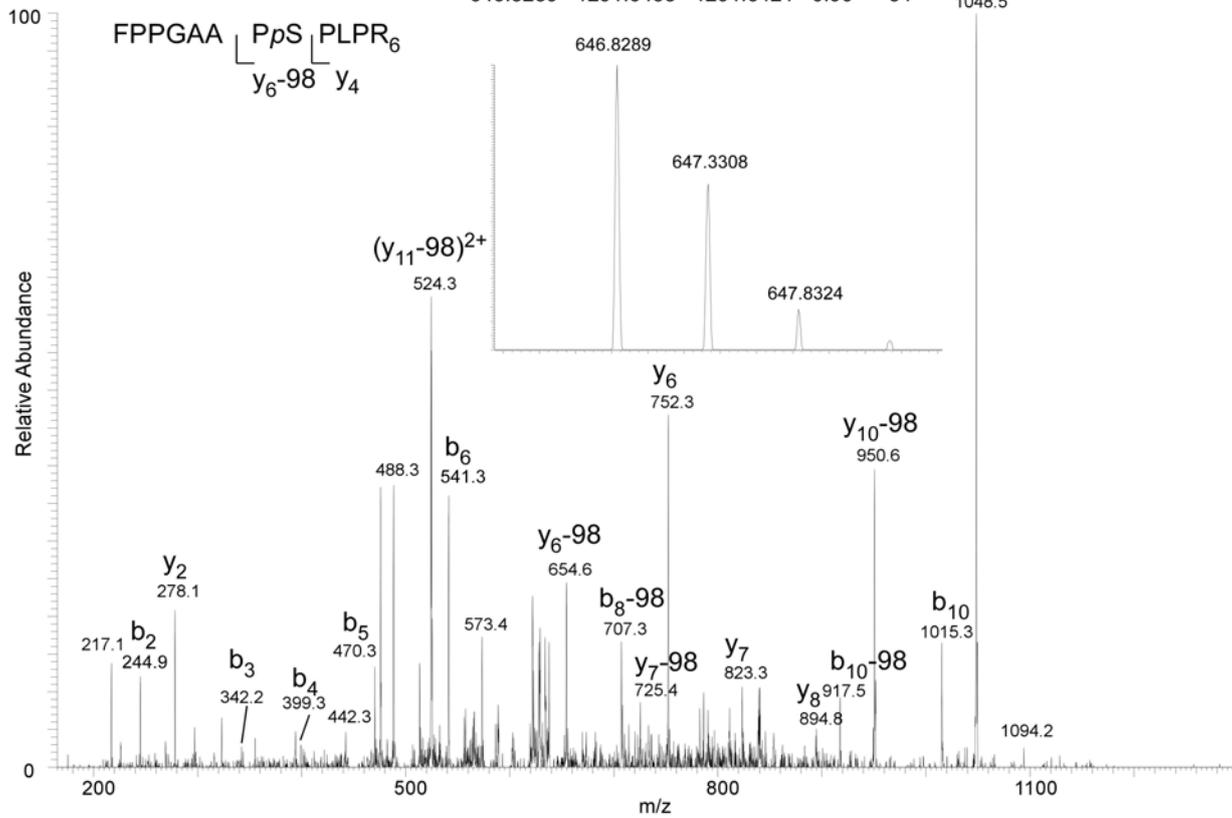


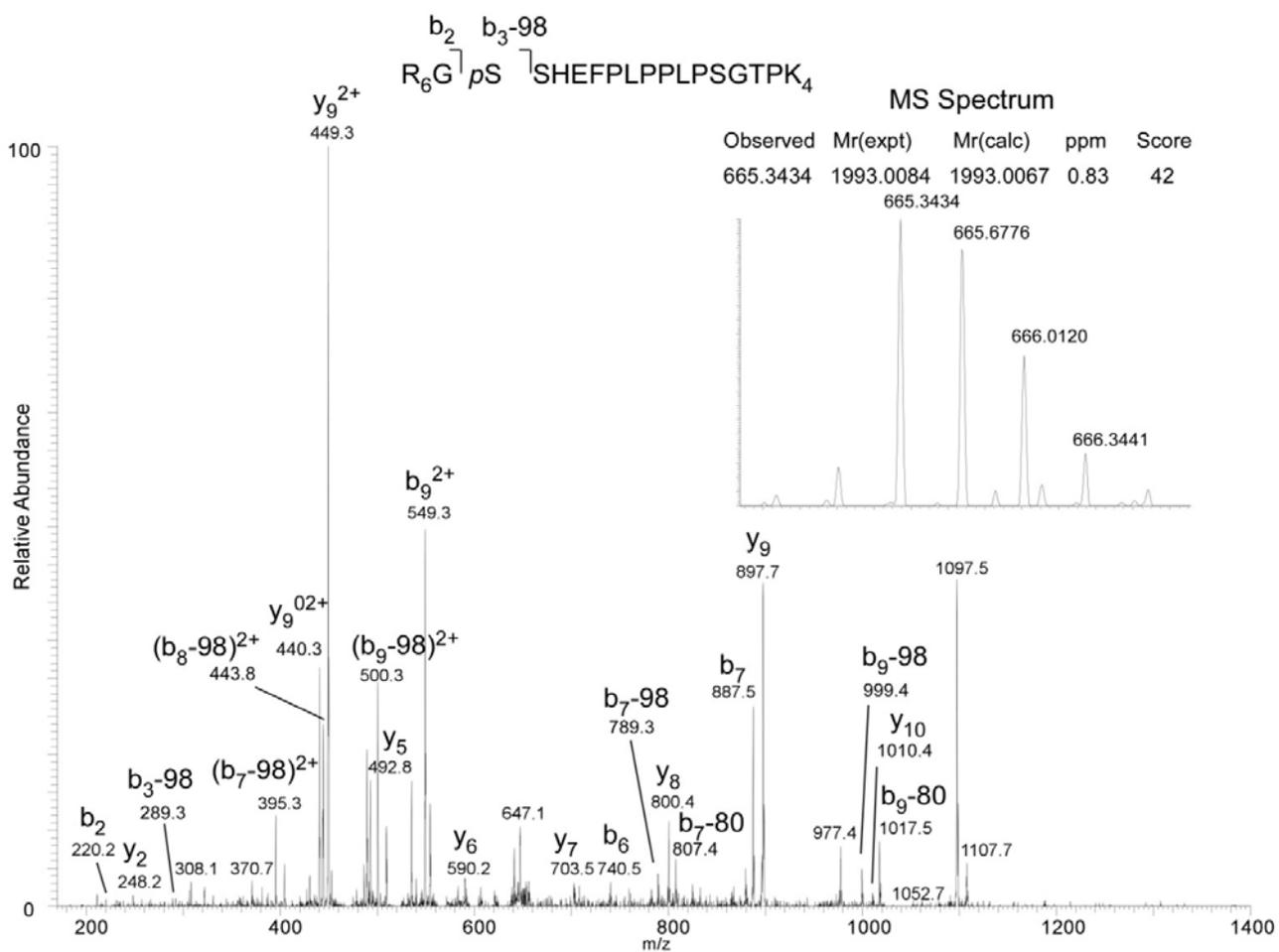
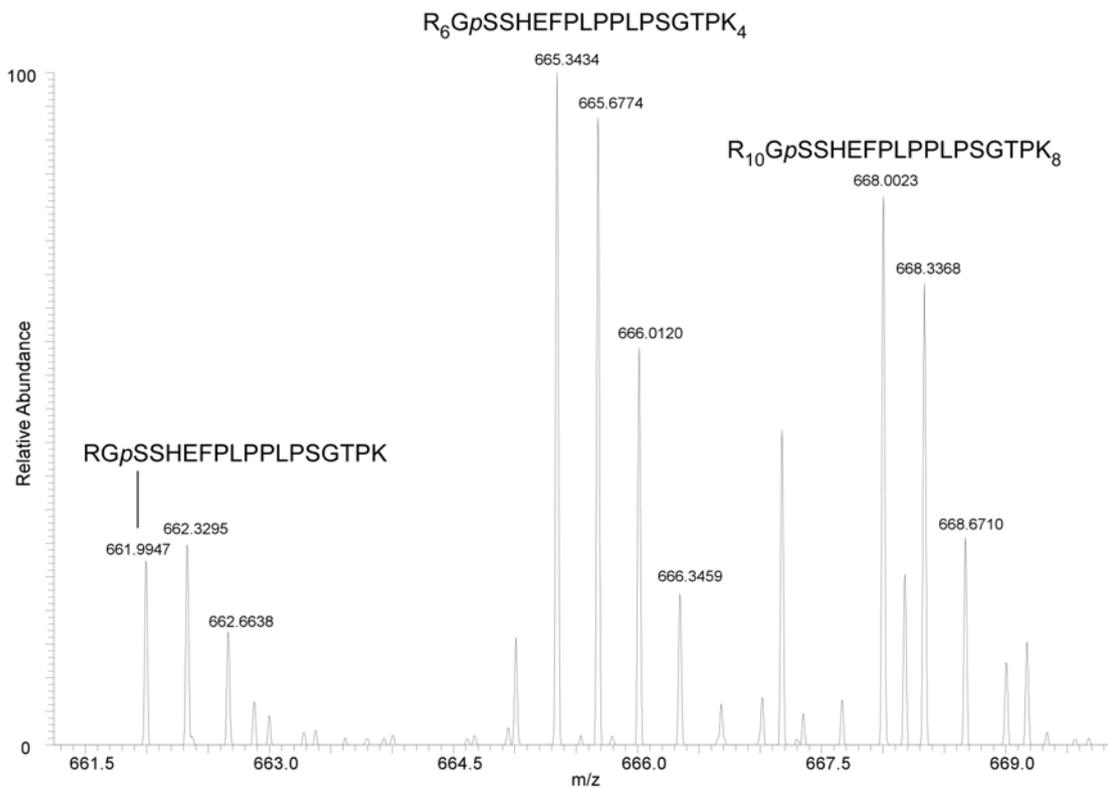




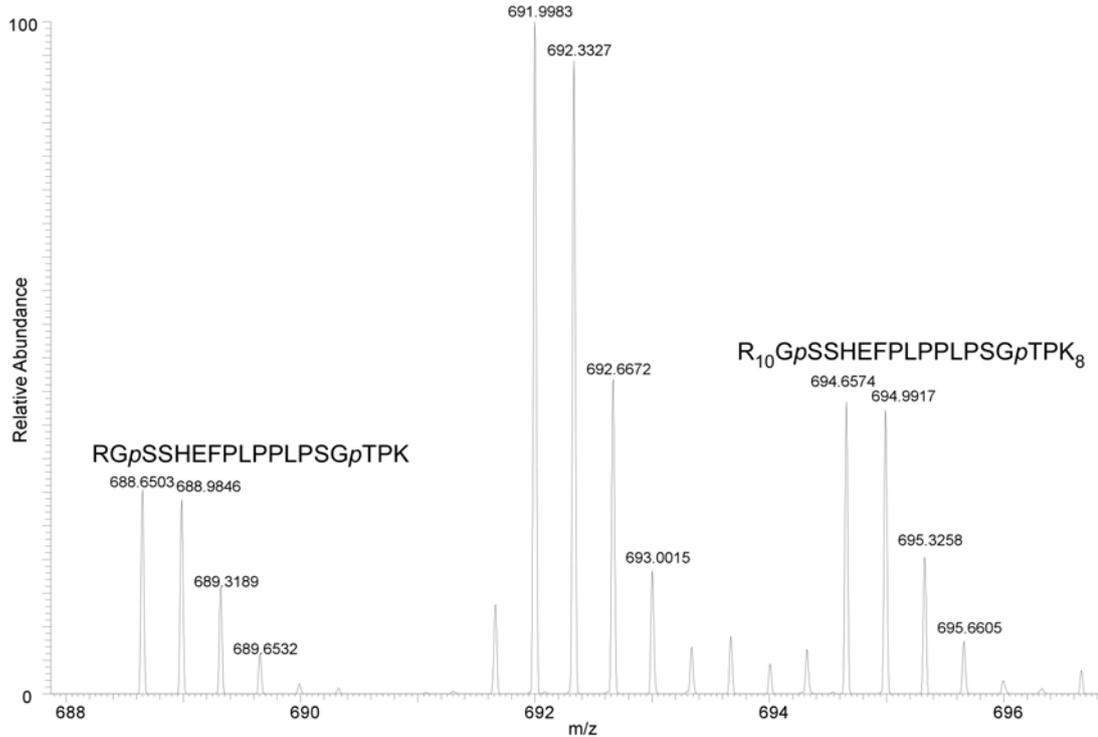
MS Spectrum

Observed	Mr(expt)	Mr(calc)	ppm	Score	y_{10}
646.8289	1291.6433	1291.6421	0.90	54	1048.5





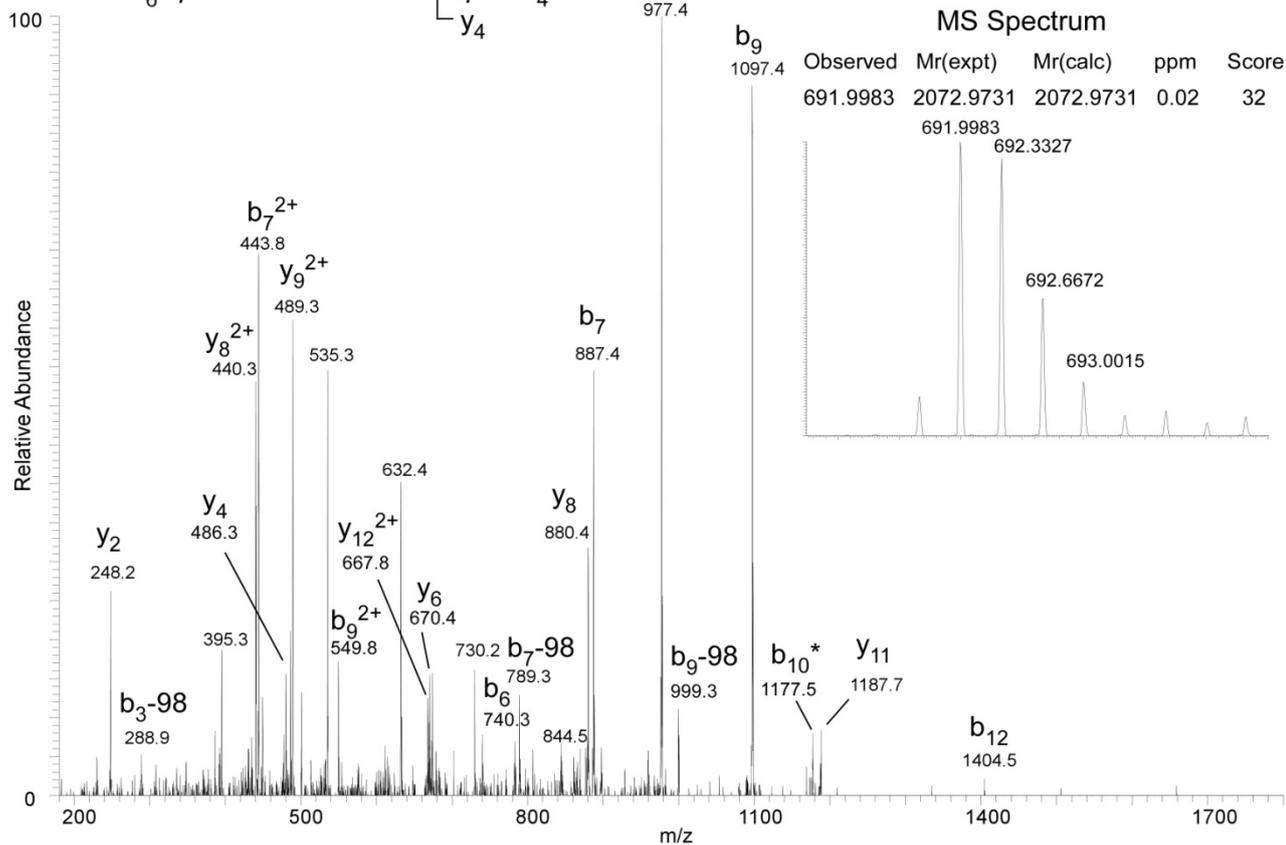
R₆GρSSHEFPLPPLPSGρTPK₄

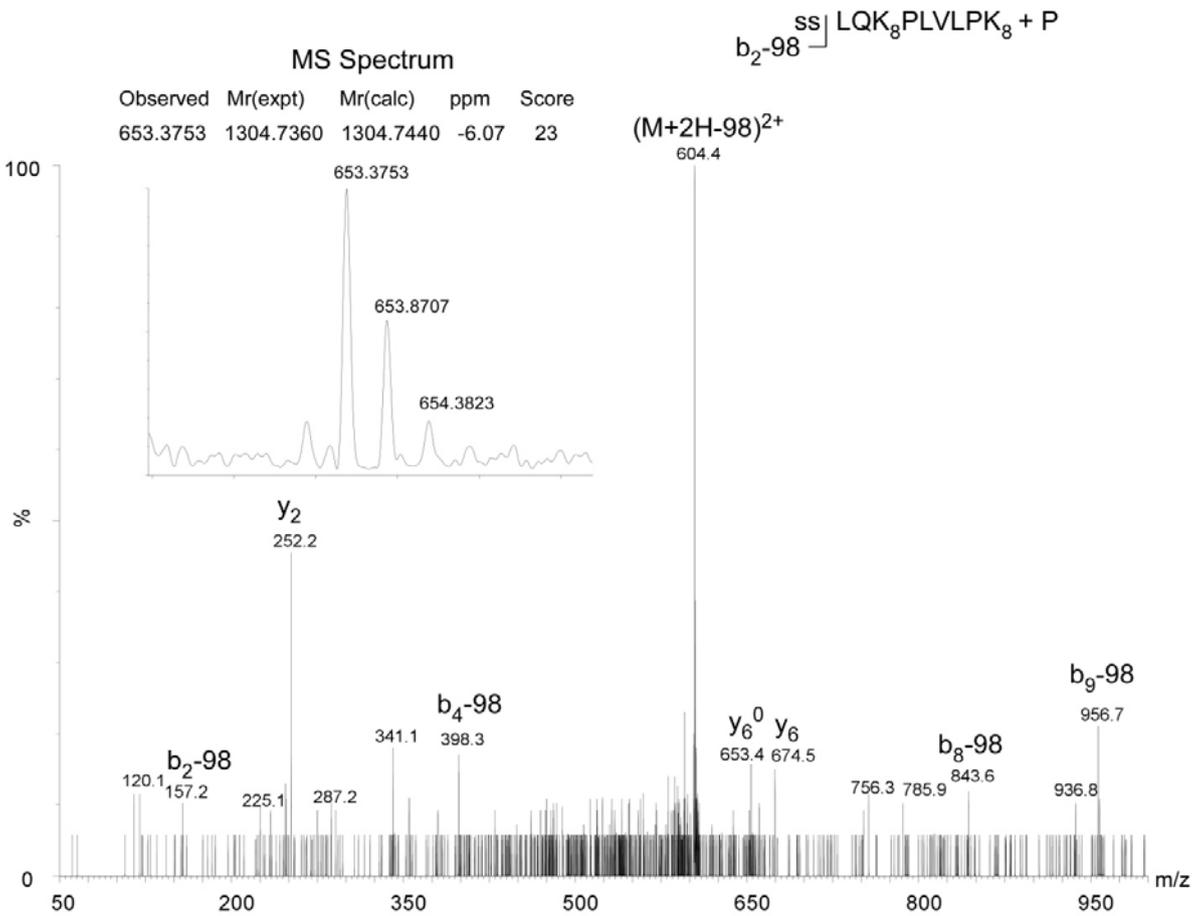
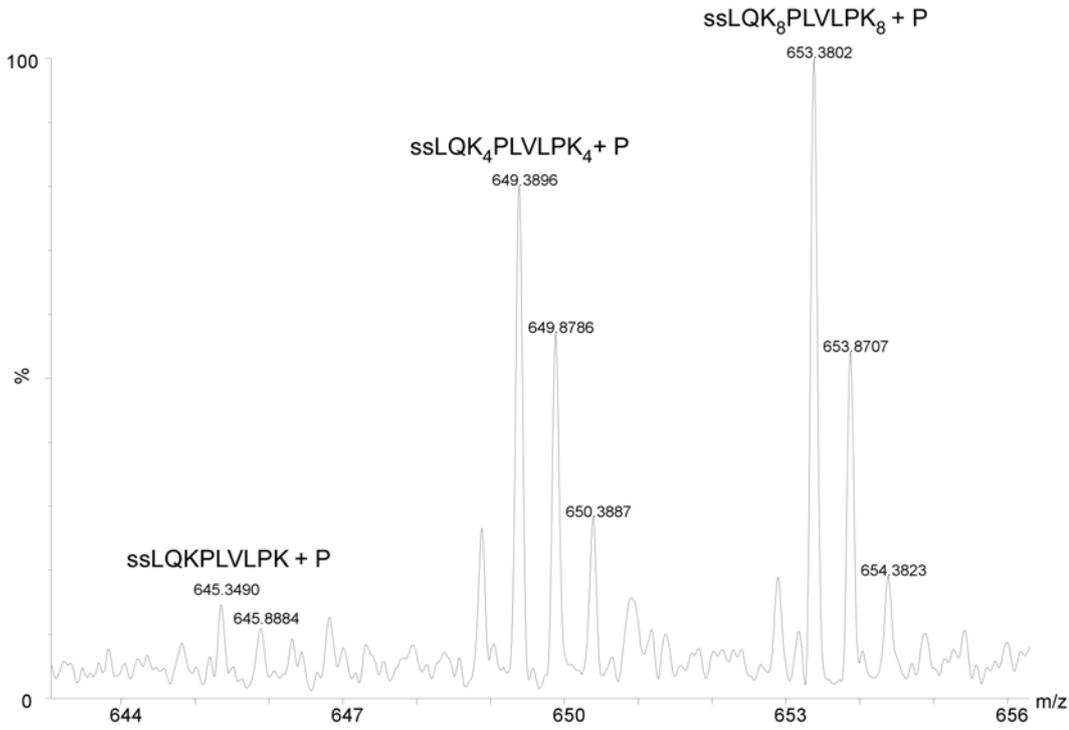


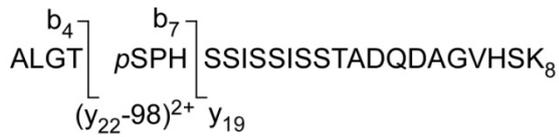
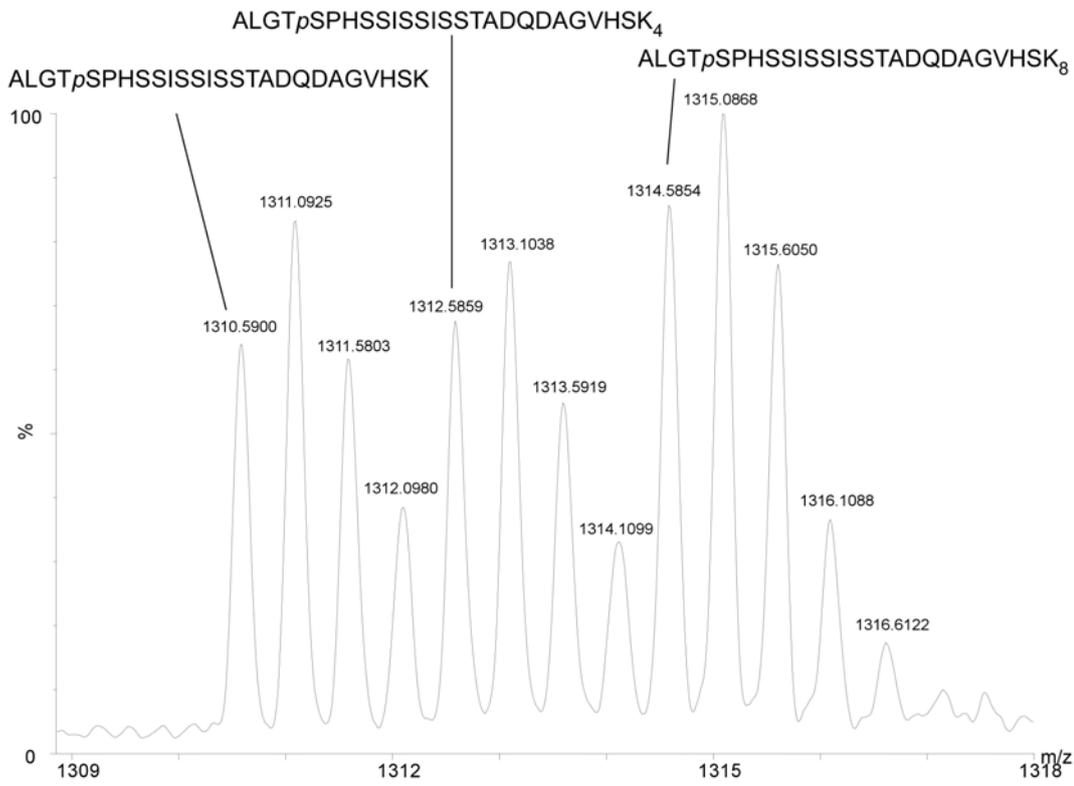
RGρSSHEFPLPPLPSGρTPK

R₁₀GρSSHEFPLPPLPSGρTPK₈

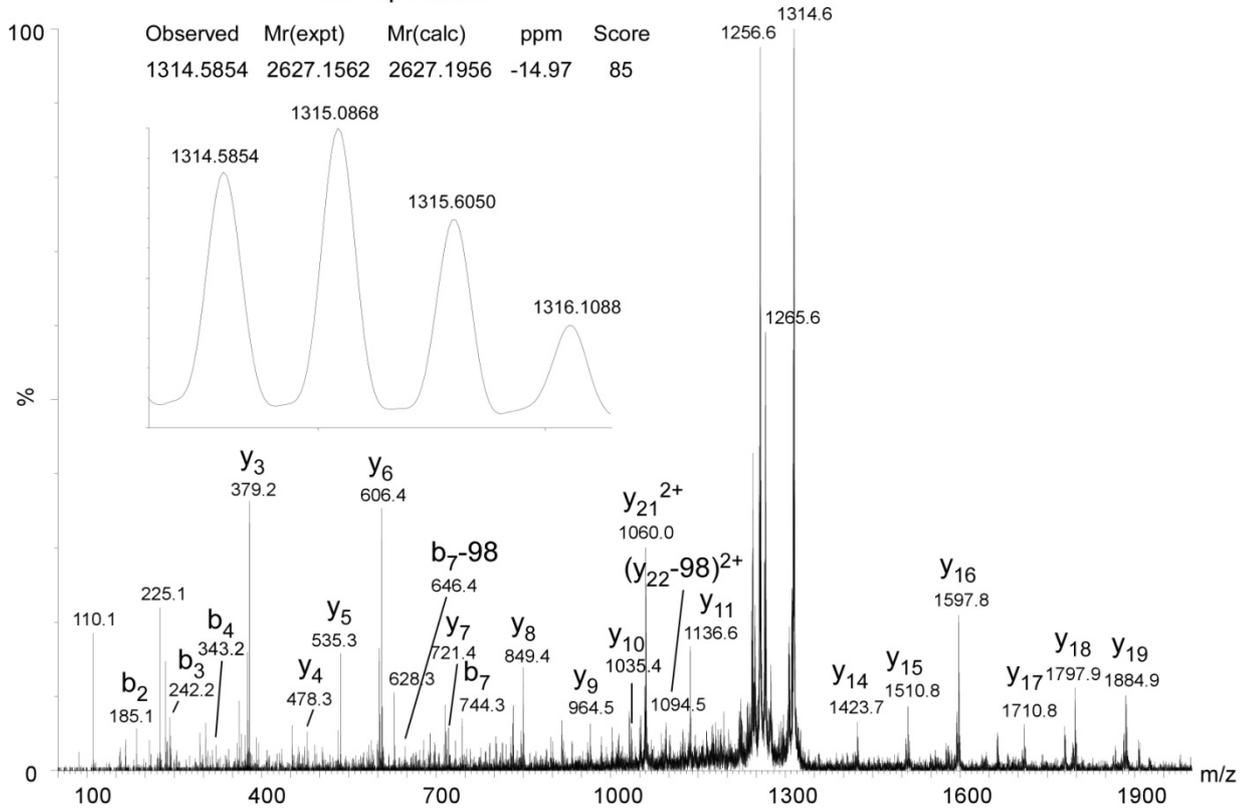
b₃-98
R₆GρS SHEFPLPPLPS GρTPK₄
y₄

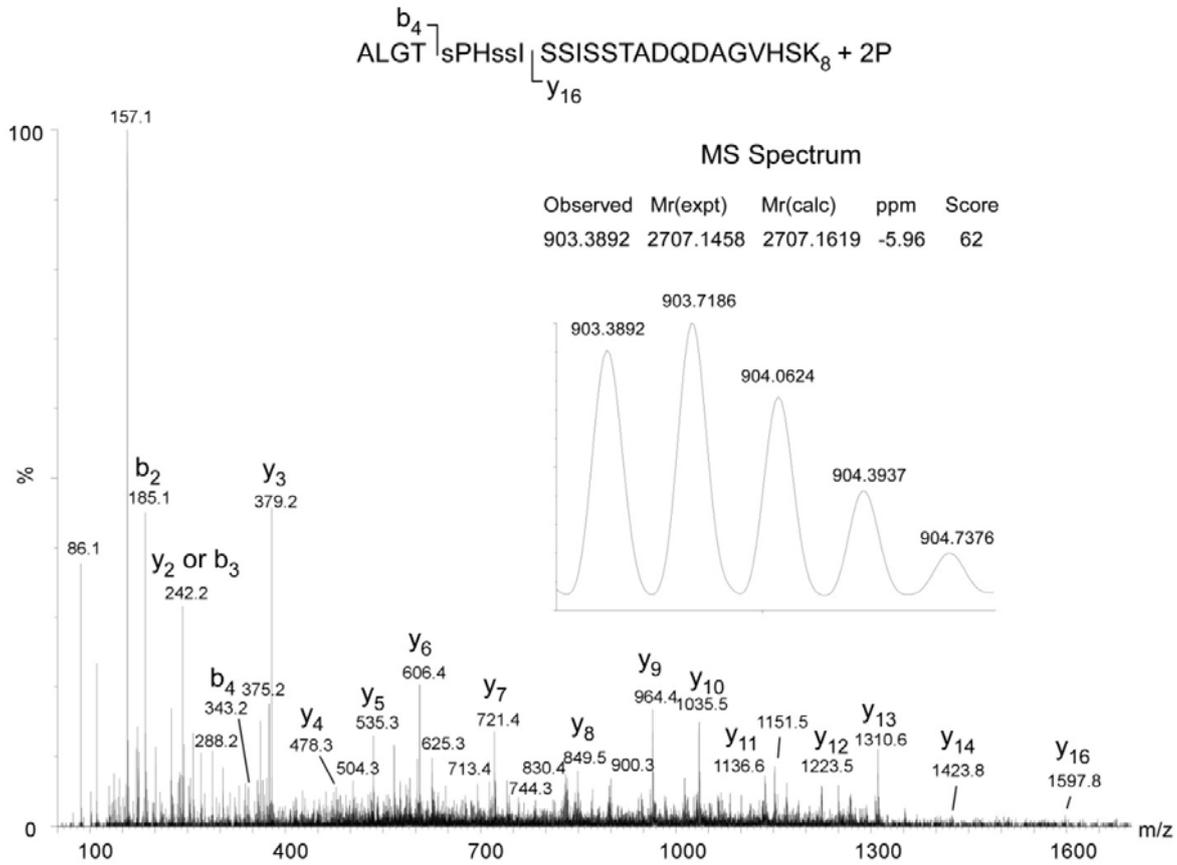
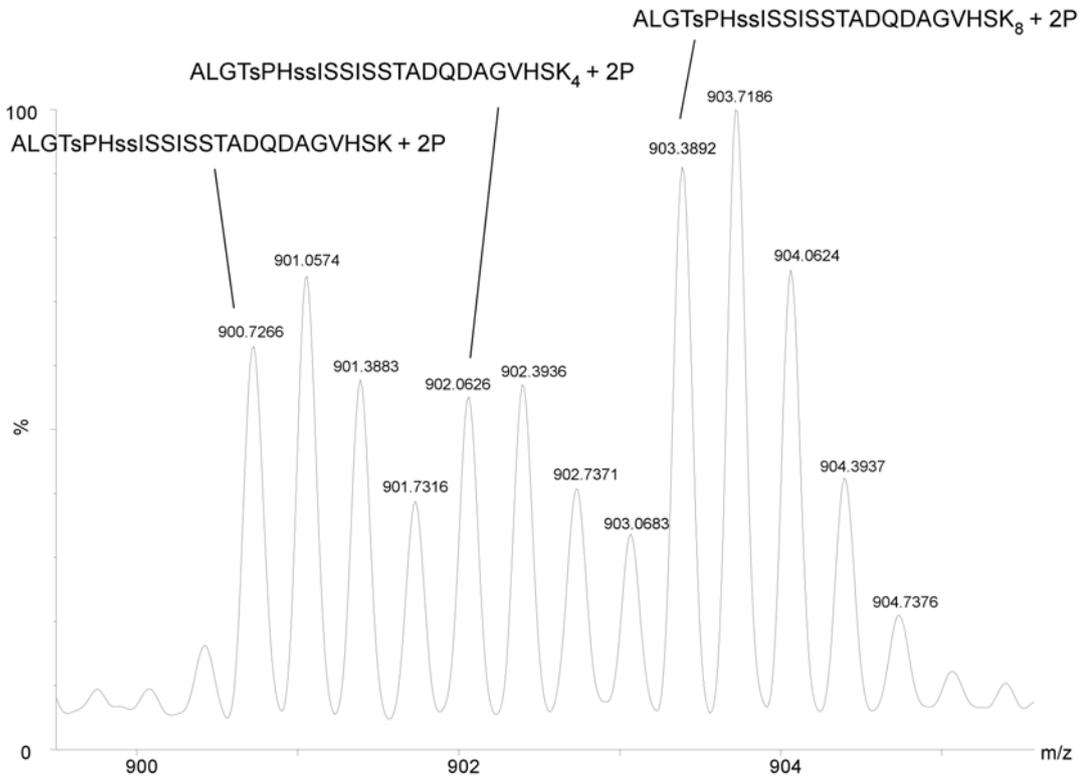


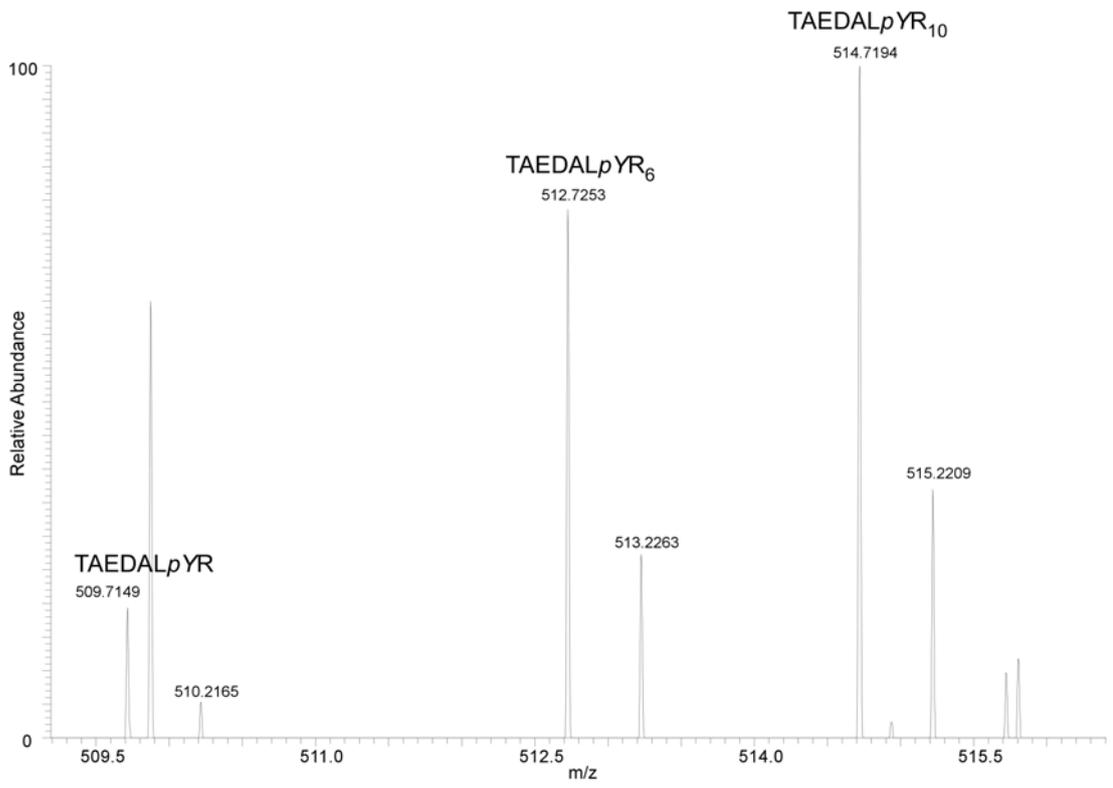




MS Spectrum







MS Spectrum	Observed	Mr(expt)	Mr(calc)	ppm	Score
	514.7194	1027.4243	1027.4251	-0.76	44

