

Supplementary Material

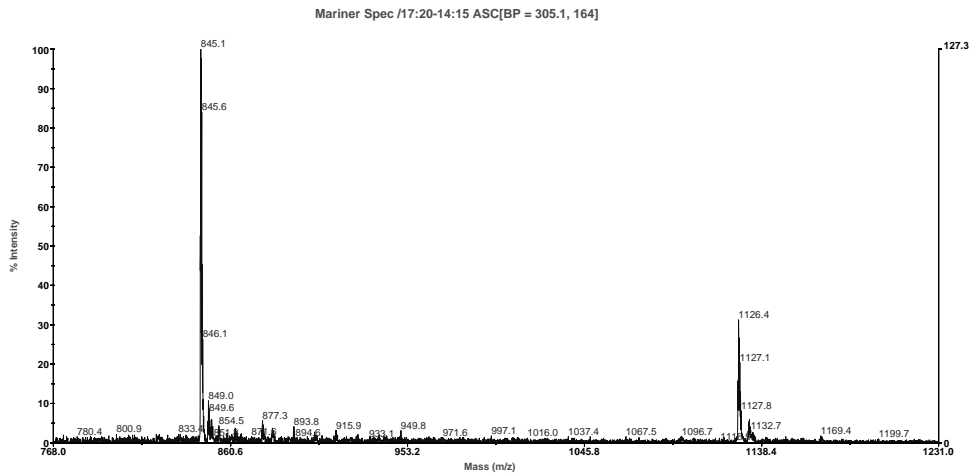
The Reduction of Oxidized Methionine Residues in Peptide Thioesters with $\text{NH}_4\text{I}/\text{Me}_2\text{S}$

Christian P. R. Hackenberger

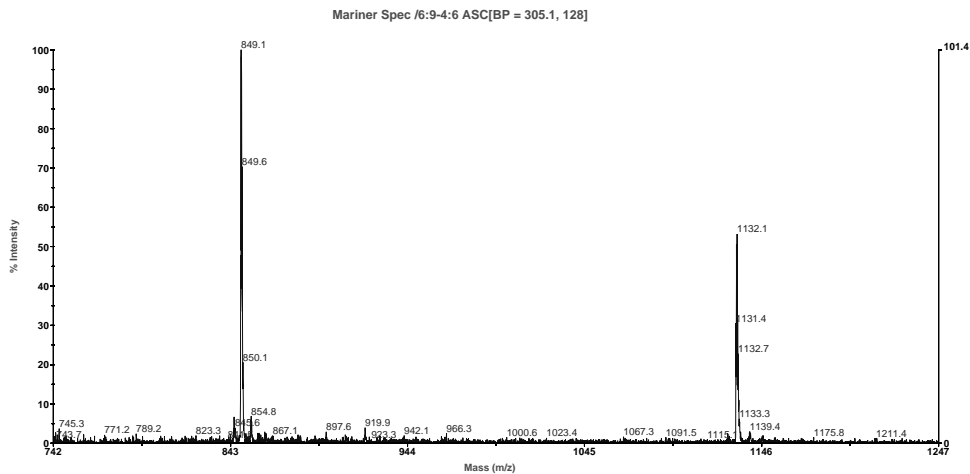
MS Spectra of Thioester Peptides

I. Reduction studies

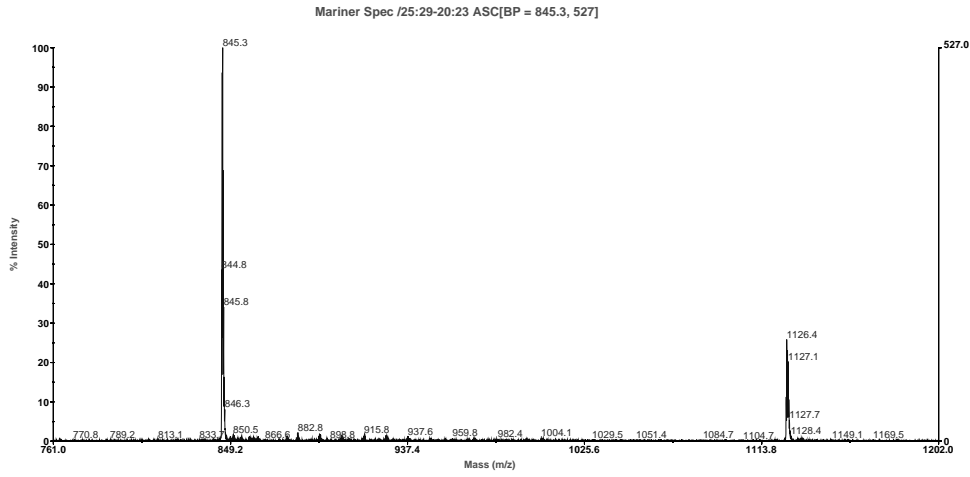
Peptide thioester **1** after SPPS and cleavage with cleavage cocktail K without EDT



Oxidized Thioester **2** after SPPS and cleavage with cleavage cocktail K without EDT

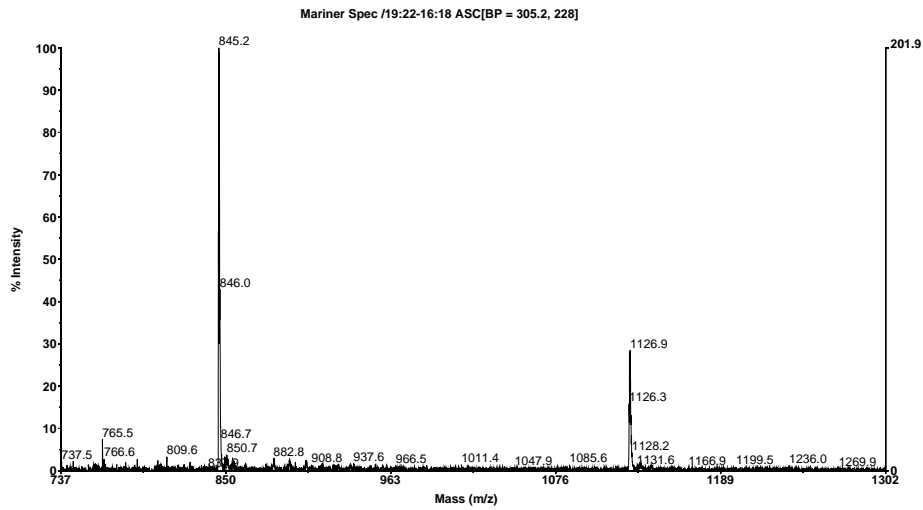


Reduction of oxidized thioester **2** with $\text{NH}_4\text{I}/\text{Me}_2\text{S}$ to thioester **1**

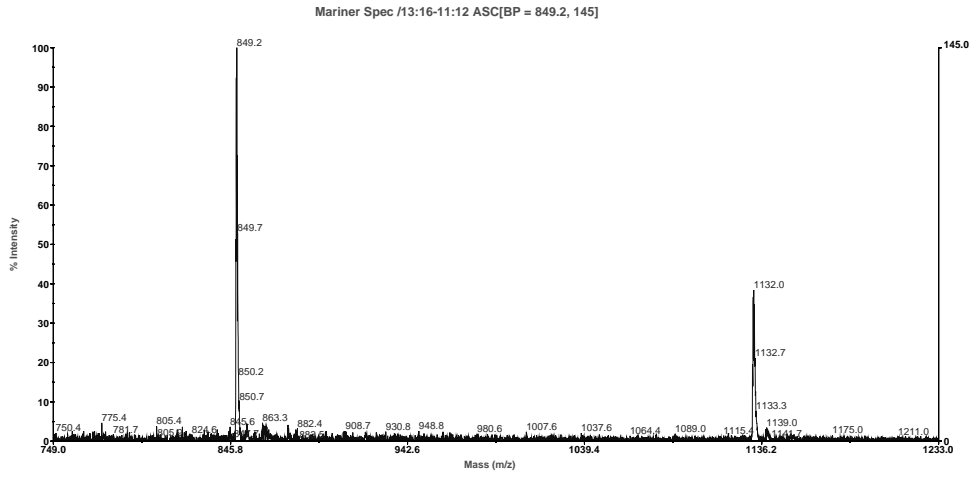


II. Cleavage with the modified cleavage cocktail H

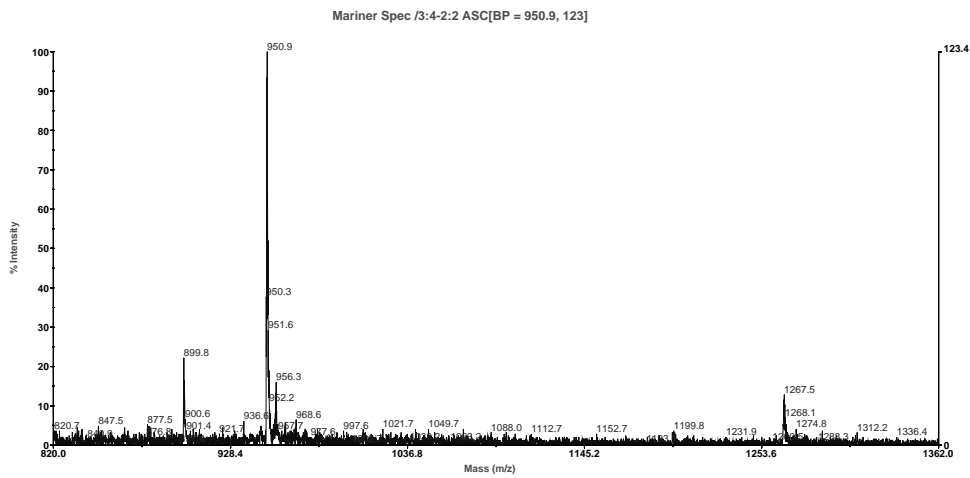
Peptide Thioester **1**



Peptide Thioester **1** with Val27Asn mutation



Glycopeptide Thioester **5** (Val27Glyco)



Glycopeptide Thioester **6** (Asn5Glyco)

