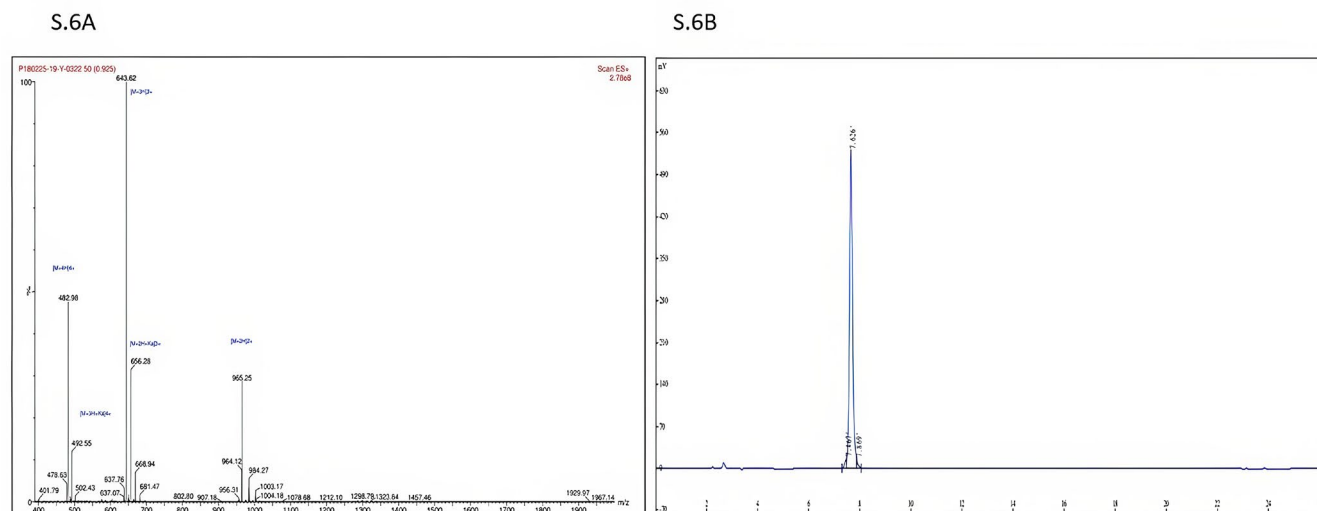
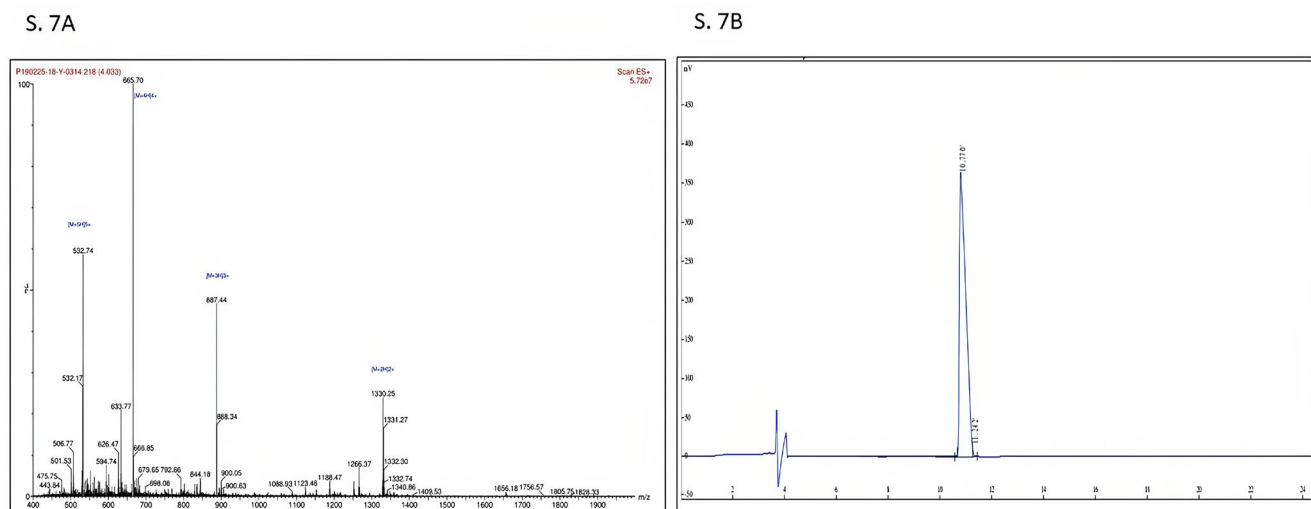


Figure 6S - Mass-spectrometric and HPLC analysis of peptide-17.



(A) The ESI mass spectrum of peptide-17 (2.78e8) detected four charge states of the peptide: m/z 965.25 [$M+2H$] $^{2+}$, m/z 482.98 [$M+4H$] $^{4+}$, m/z 796.00 [$M+5H$] $^{5+}$, m/z 663.50 [$M+6H$] $^{6+}$ and the molecular mass of the peptide were found to be 1929.18 daltons. The obtained spectrum [$M+2H$] $^{2+}$, [$M+4H$] $^{4+}$, [$M+5H$] $^{5+}$ and [$M+6H$] $^{6+}$ ions confirmed the expected target sequence; (B) The single sharp peak (ret. time 7.626 min) of peptide-17 clearly indicates target peptide with >99% purity.

Figure 7S - Mass-spectrometric and HPLC analysis of peptide-24.



(A) ESI mass spectrum of peptide-24 (5.72e7) detected four charge states of the peptide: m/z 1330.25 [$M+2H$] $^{2+}$, m/z 665.70 [$M+4H$] $^{4+}$, m/z 796.00 [$M+5H$] $^{5+}$, m/z 663.50 [$M+6H$] $^{6+}$, verifying a molecular mass of peptide to be 2660.12 daltons. The obtained spectrum [$M+2H$] $^{2+}$, [$M+4H$] $^{4+}$, [$M+5H$] $^{5+}$ and [$M+6H$] $^{6+}$ ions confirmed the expected target sequence; (B) The single sharp peak (ret. time 10.770 min) of peptide-24 clearly represents target peptide with >99% purity.