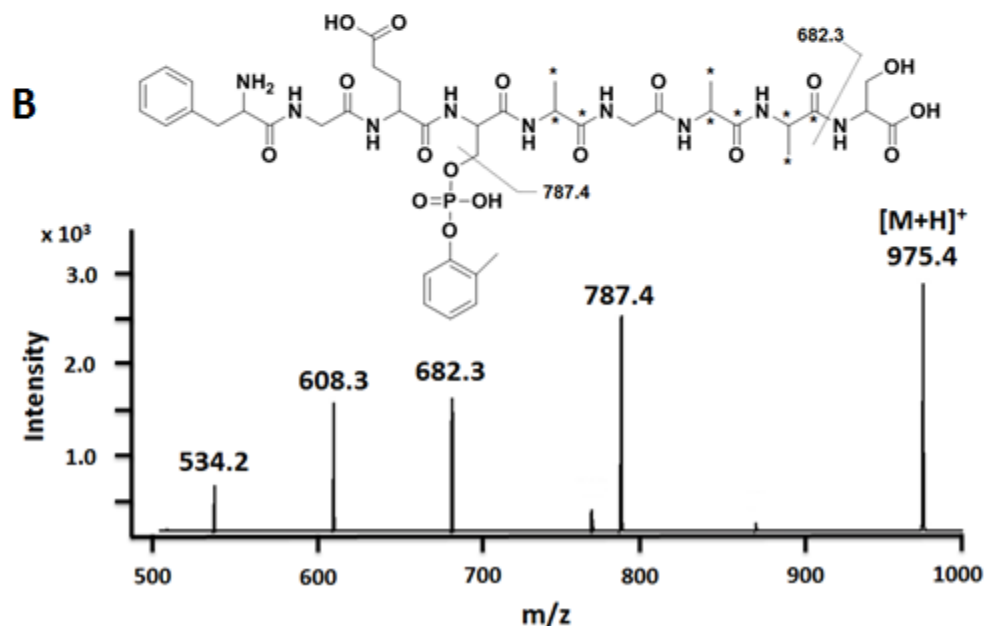
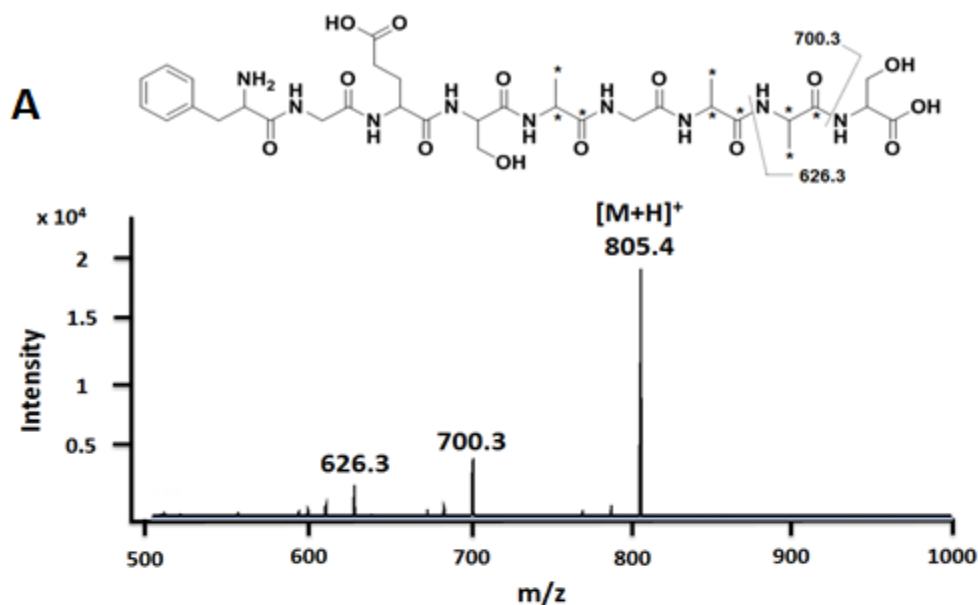
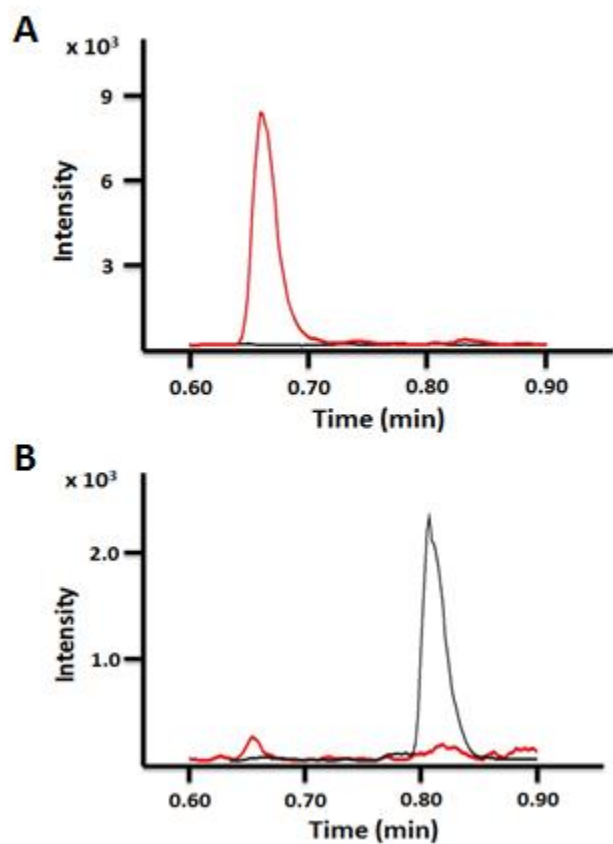


Supplemental Figure 1



Chemical structures and product ion mass spectra of the precursor ions of synthetic peptides (A) BChE* ($[M+H]^+$ m/z 805.4); (B) oCP-BChE* ($[M+H]^+$ m/z 975.4). Fragmentation spectra were collected scanning the mass range of m/z 500-1000, using a collision energy of 27 V for BChE* and 34 V for oCP-BChE*. The dashed lines for each structure denote the proposed sites of fragmentation and asterisks indicate the location of carbon-13 labeling. The peptide sequence shown is FGESAGAAS.

Supplemental Figure 2



Extracted ion chromatograms of quality control materials (A) Unexposed human serum, (B) Human serum spiked with CBDP. The chromatographic peak for BChE (red) is generated from m/z 796.3 \rightarrow 691.3, and oCP-BChE (black) from m/z 966.4 \rightarrow 778.3.