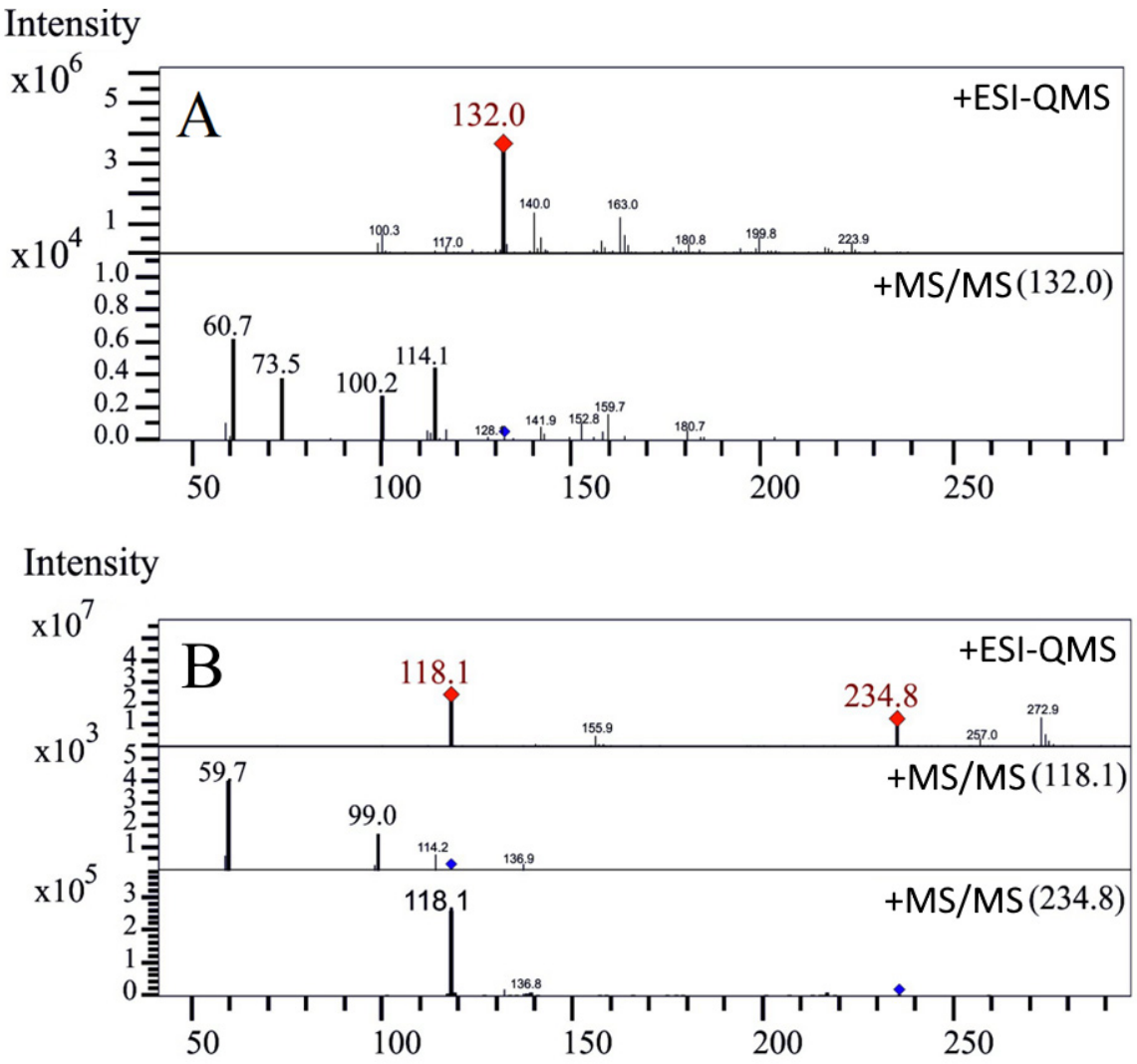


Supplementary Figure S1. The positive ESI-QMS and MS/MS spectra of betaine derivatives. (A) β-alanine betaine m/z 132 = $[M+H]^+$, m/z 114 = $[M-H_2O]$, m/z 100 = $[M-2CH_2]$, m/z 74 = $[M-3N(CH_3)_3]$, m/z 60 = $[M-CH_2CHCOOH]$, (B) glycine betaine m/z 235 = $[2M+H]^+$, m/z 118 = $[M+H]^+$, m/z 59 = $[M-CH_2COO]$. QMS – quadrupole mass spectrometry; MS/MS – tandem mass spectrometry.