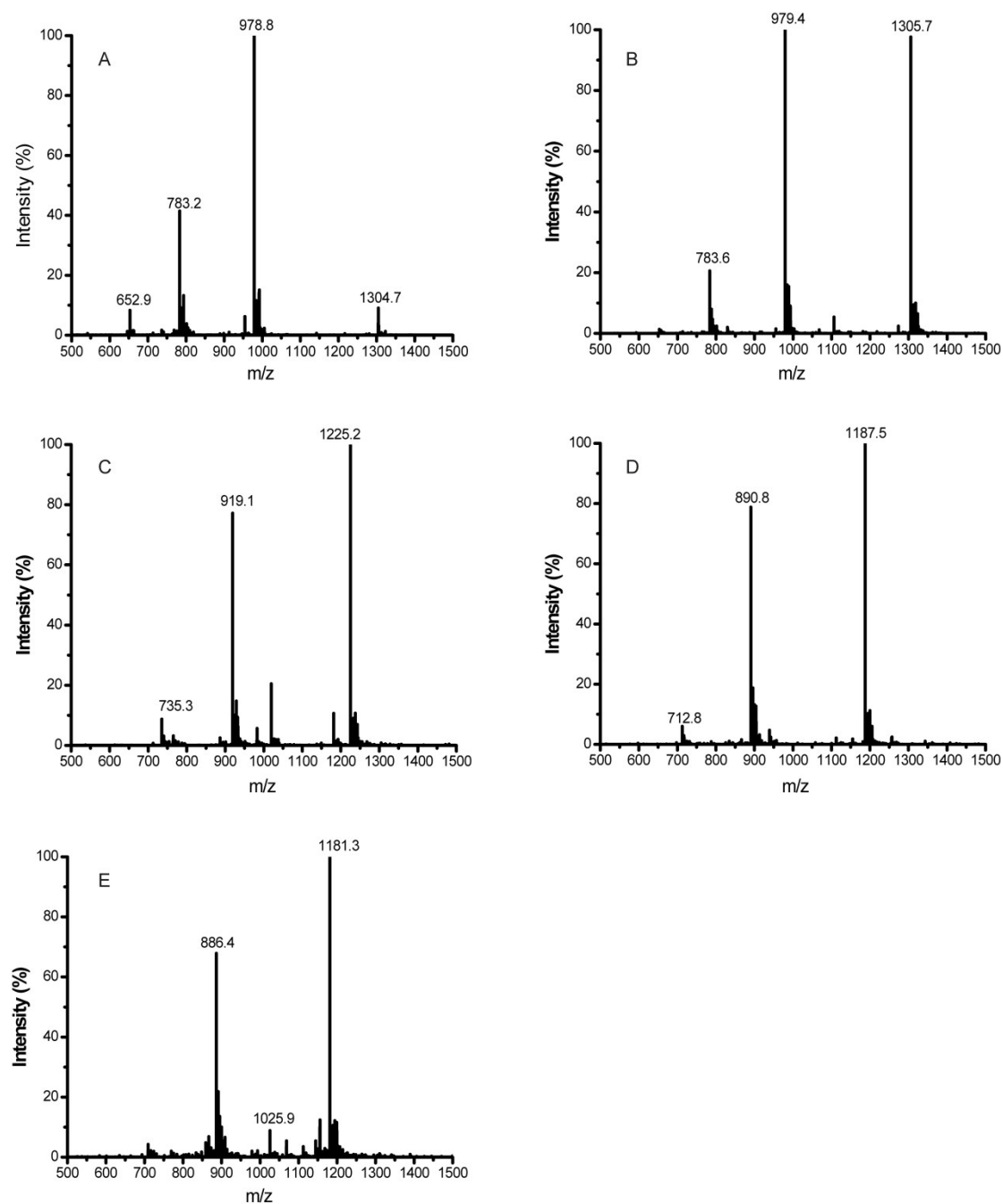




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2 **Supplementary Fig. 1** HPLC-ESI-MS analysis of the mixture without acyl-acceptor
3 substrates. (A) native 33-mer peptide as control; (B) the deamidation of 33-mer
4 peptide; (C) break off LQ of the native 33-mer peptide; (D) break off LQL of the
5 native 33-mer peptide (E) break off QPF of the native 33-mer peptide.