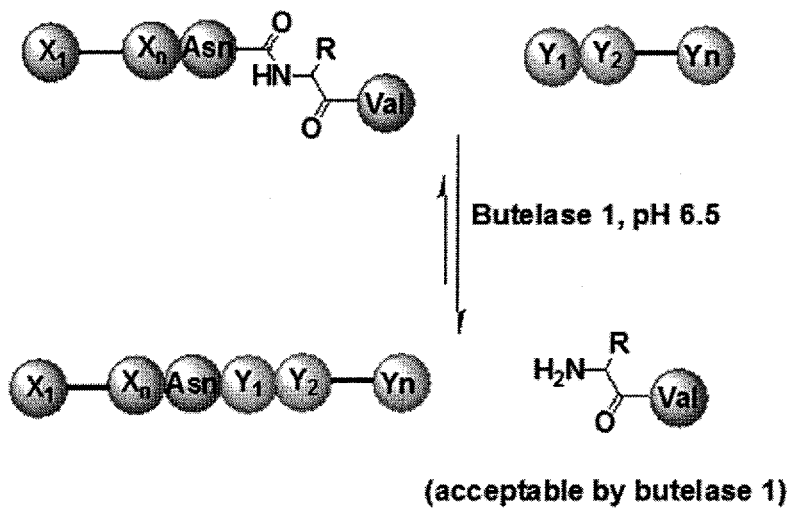
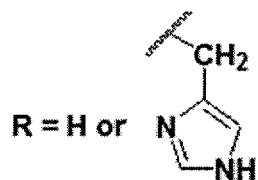
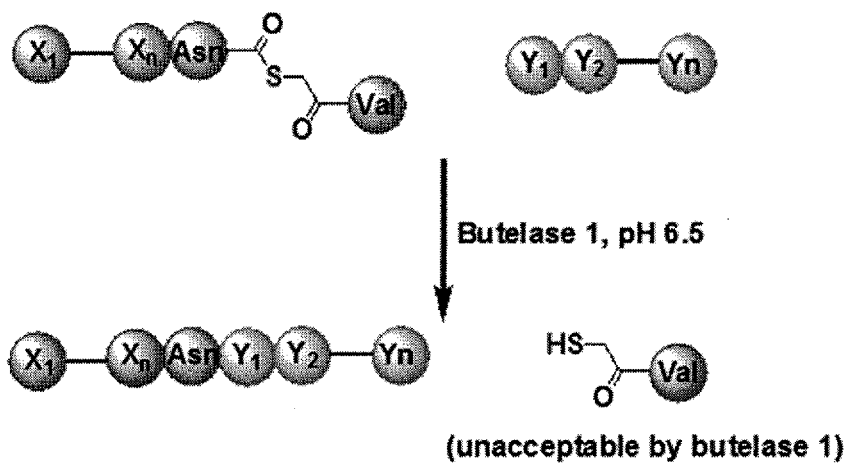
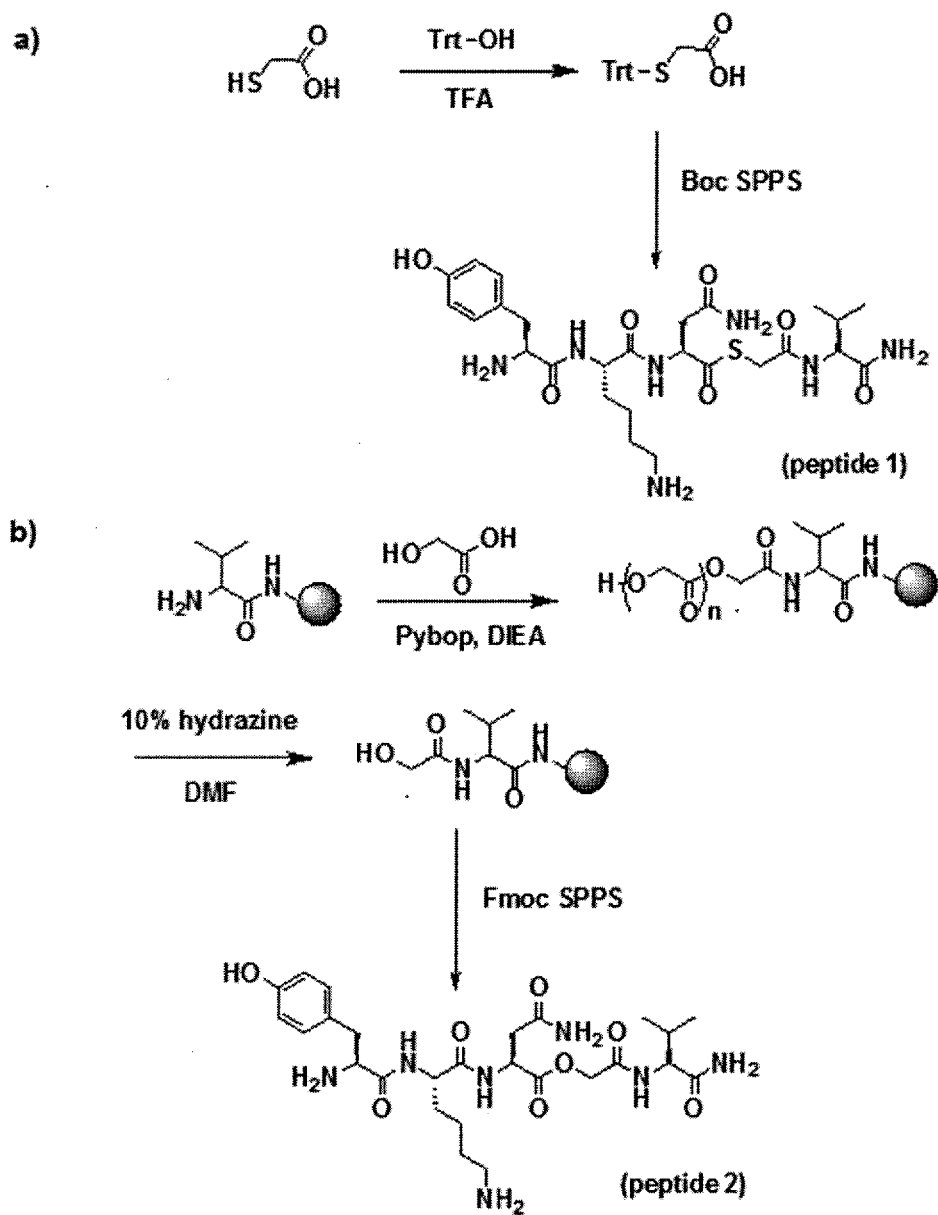


Figure 1

a) Previous work: Butelase-mediated ligation using peptide substrate**b) This work: Butelase-mediated ligation using thiodepsipeptide substrate**Y₁ = All natural amino acids except ProY₂ = Ile/Val/Leu/Cys

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Figure 2



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Figure 3

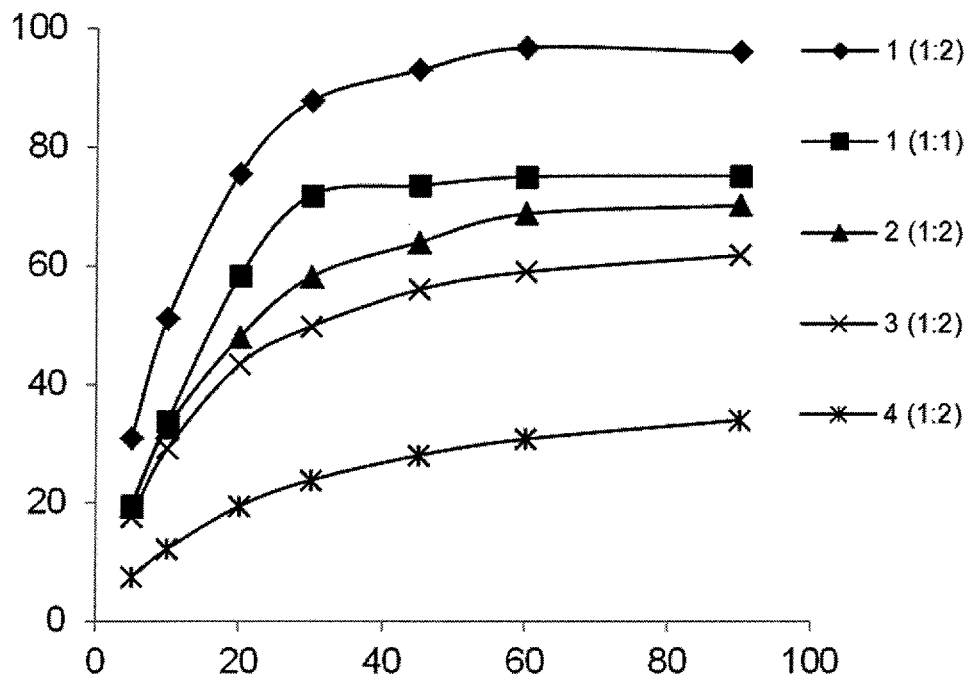
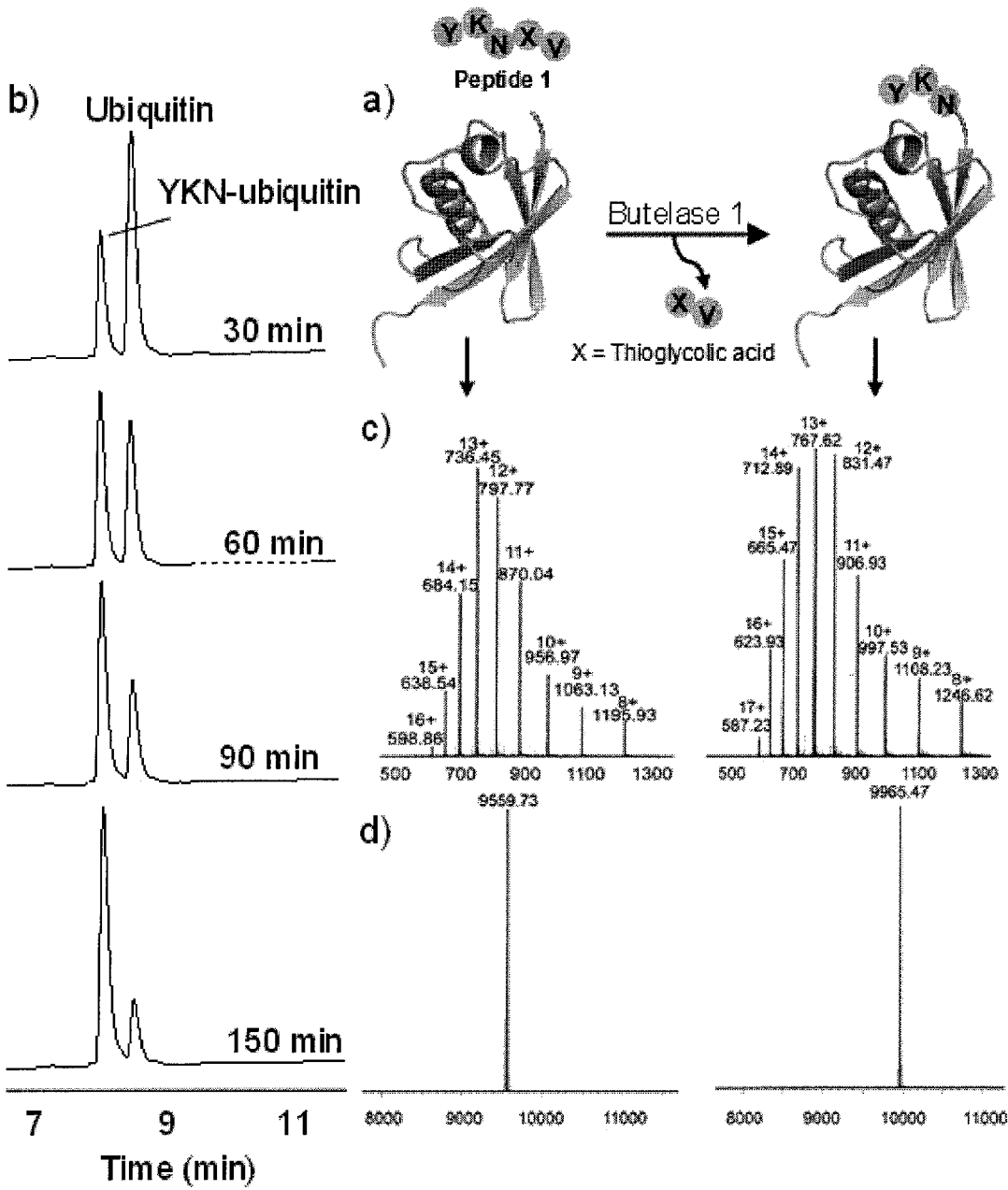
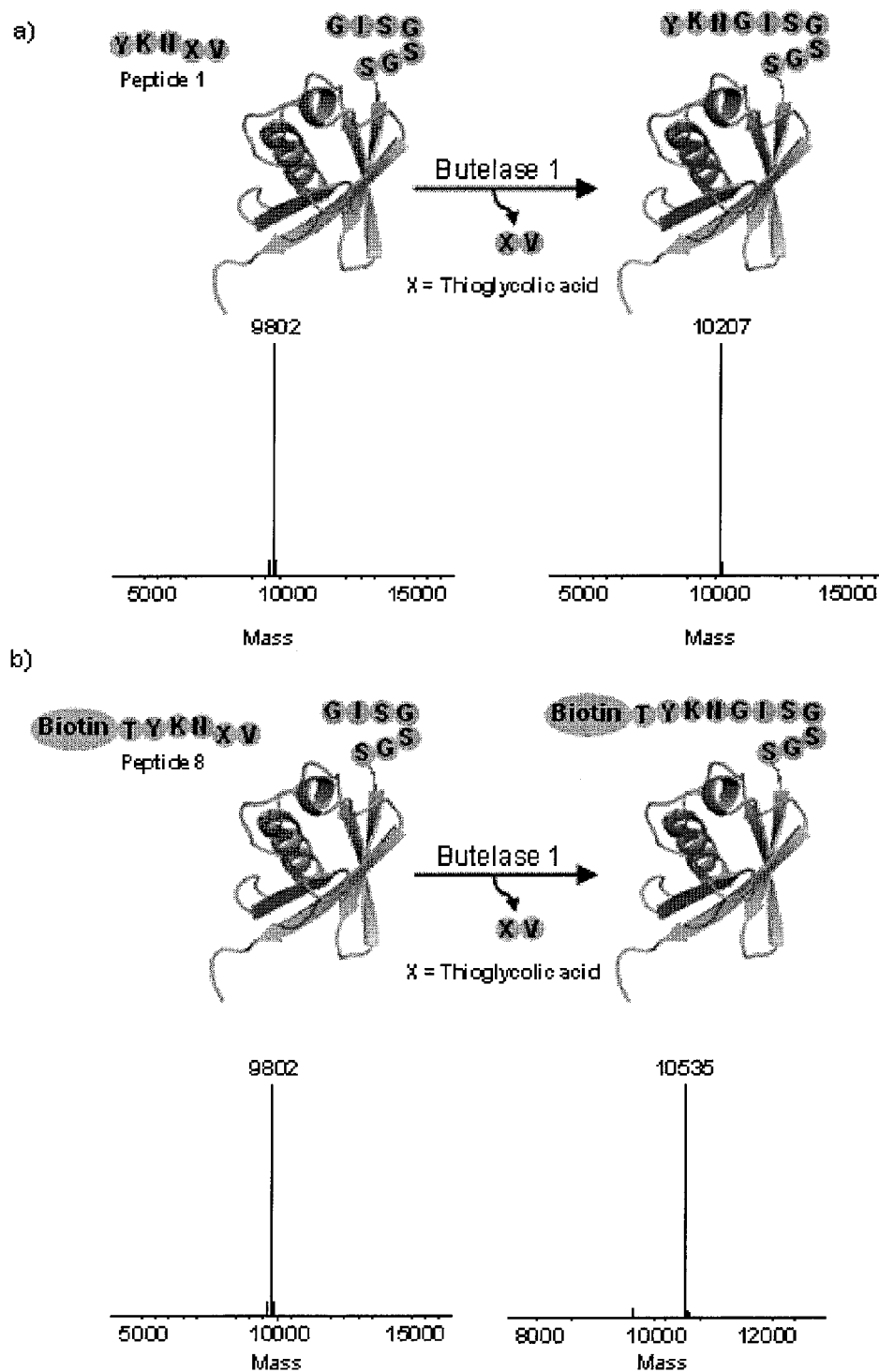


Figure 4



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Figure 5



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Figure 6

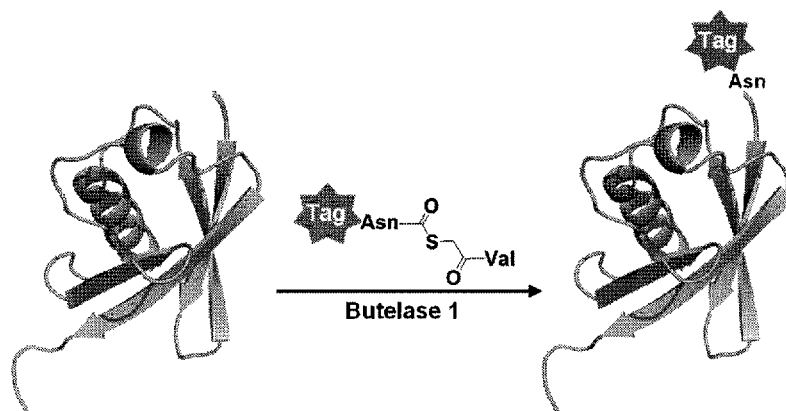
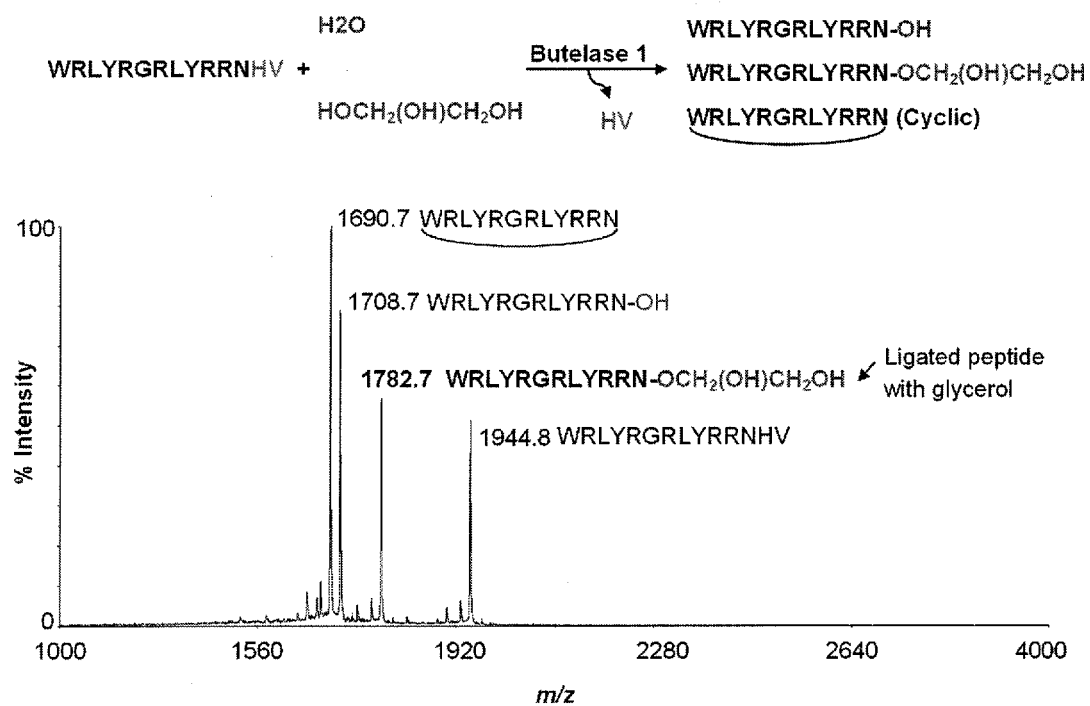


Figure 7



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Figure 8

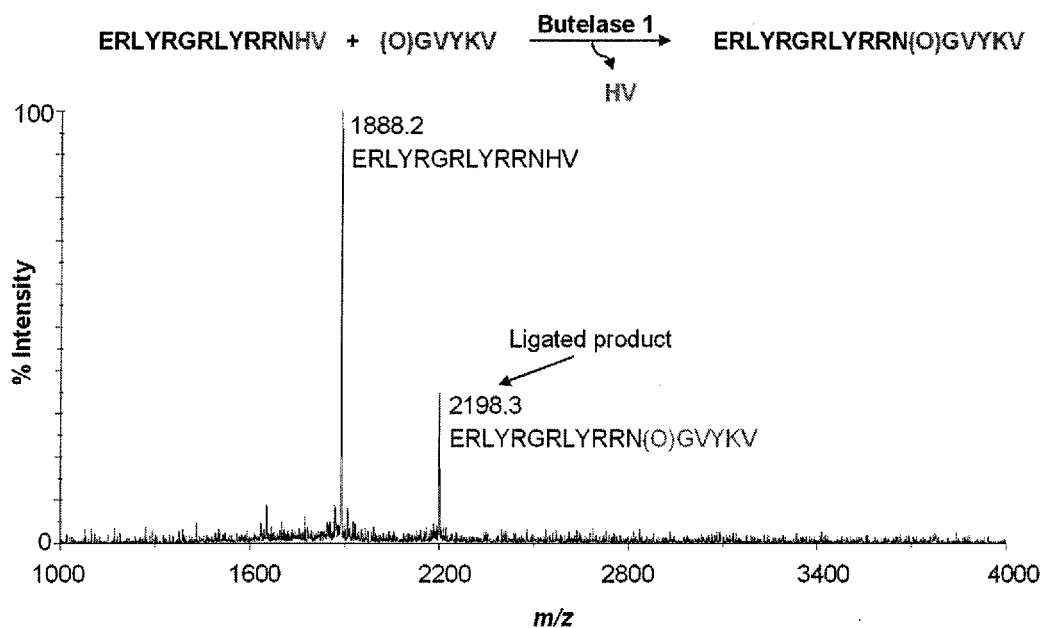
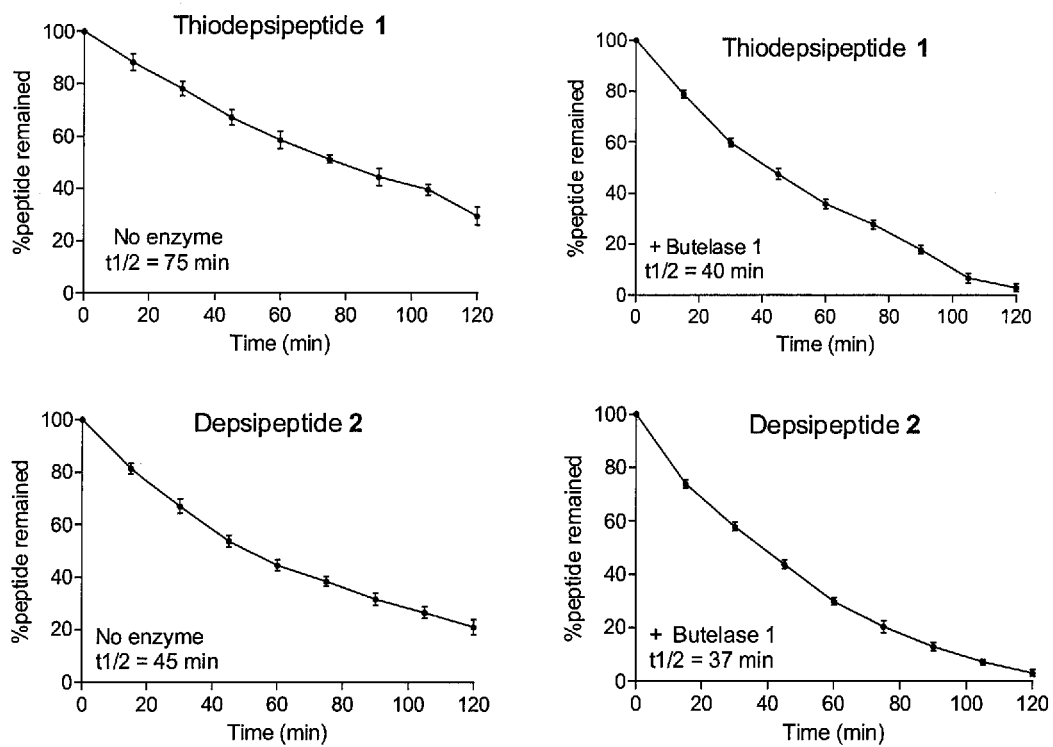
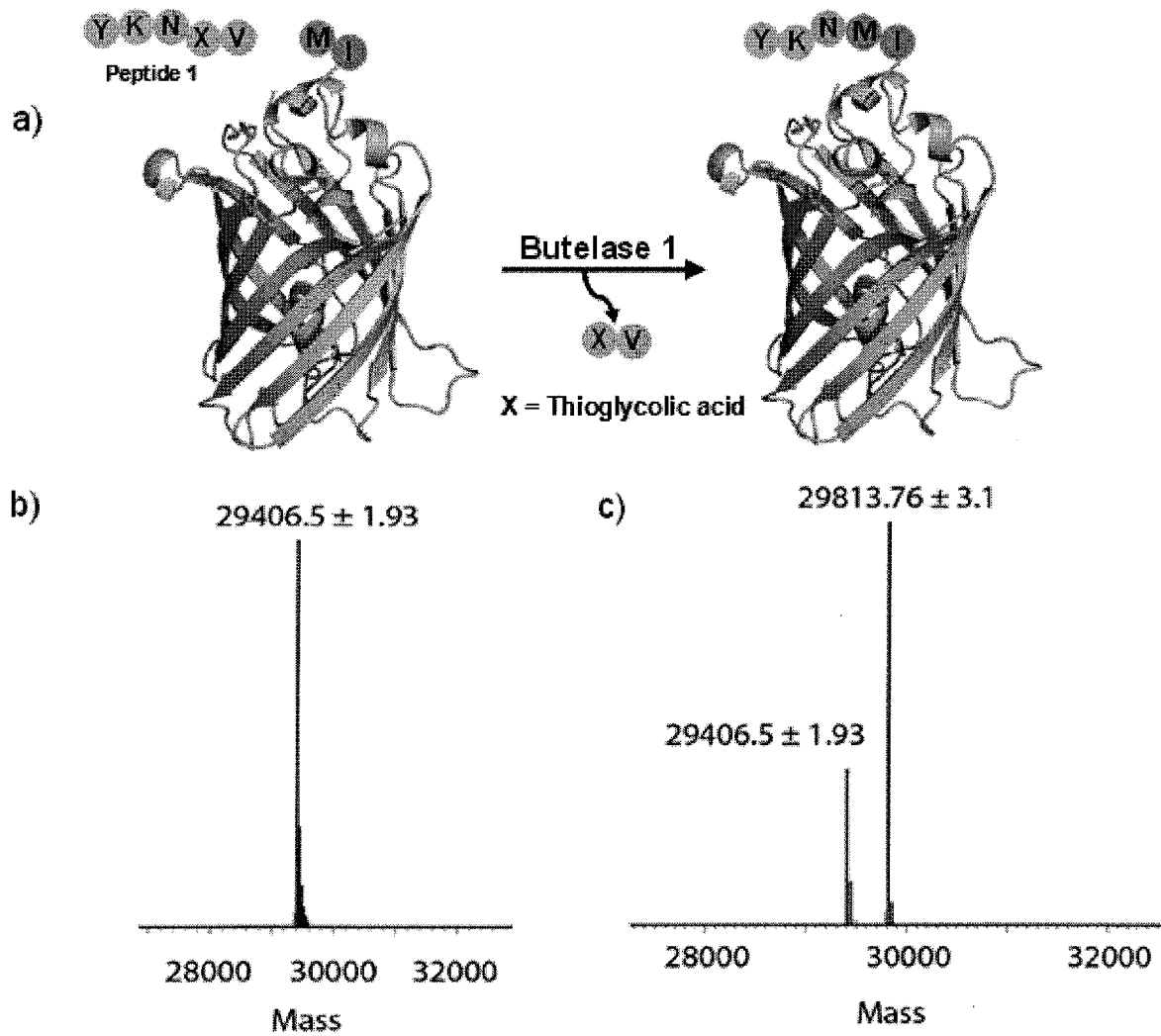


Figure 9



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Figure 10



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Figure 11

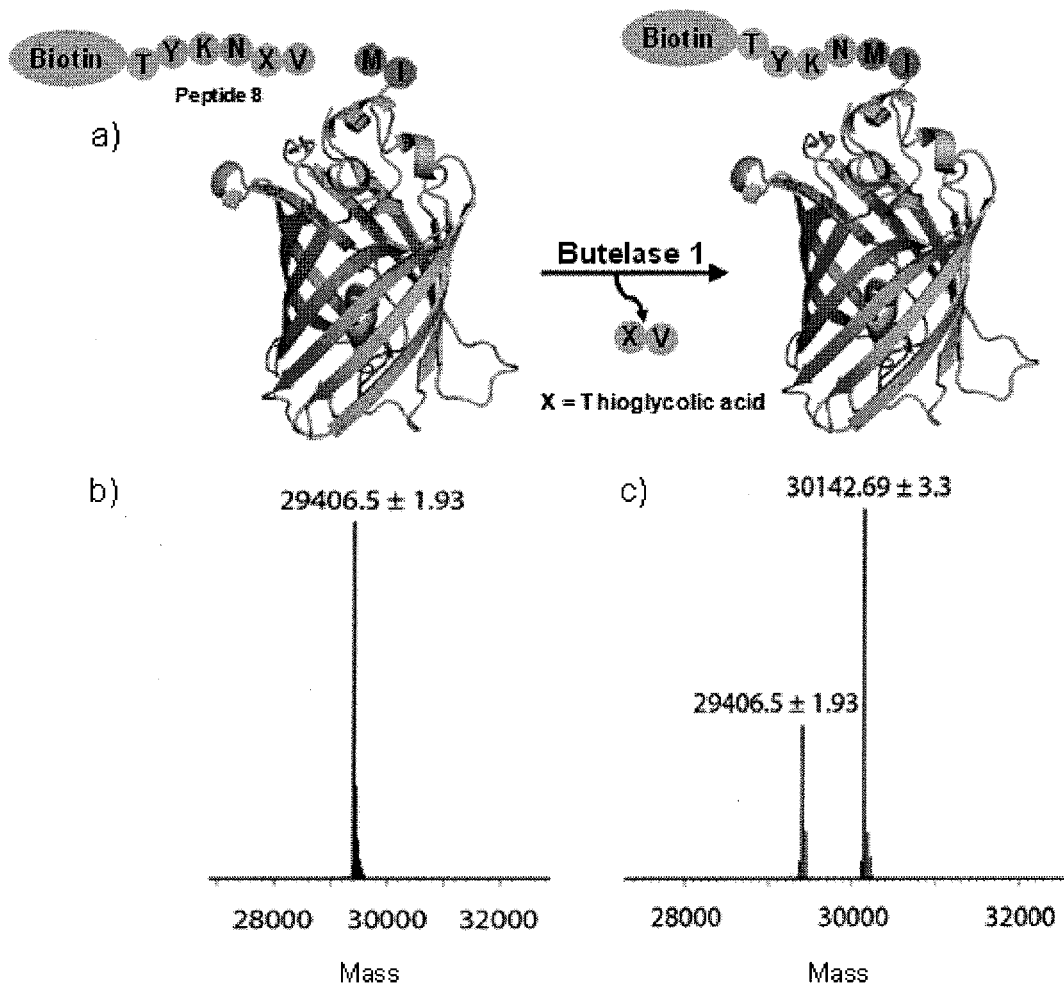


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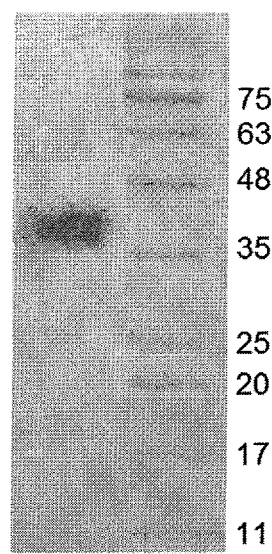
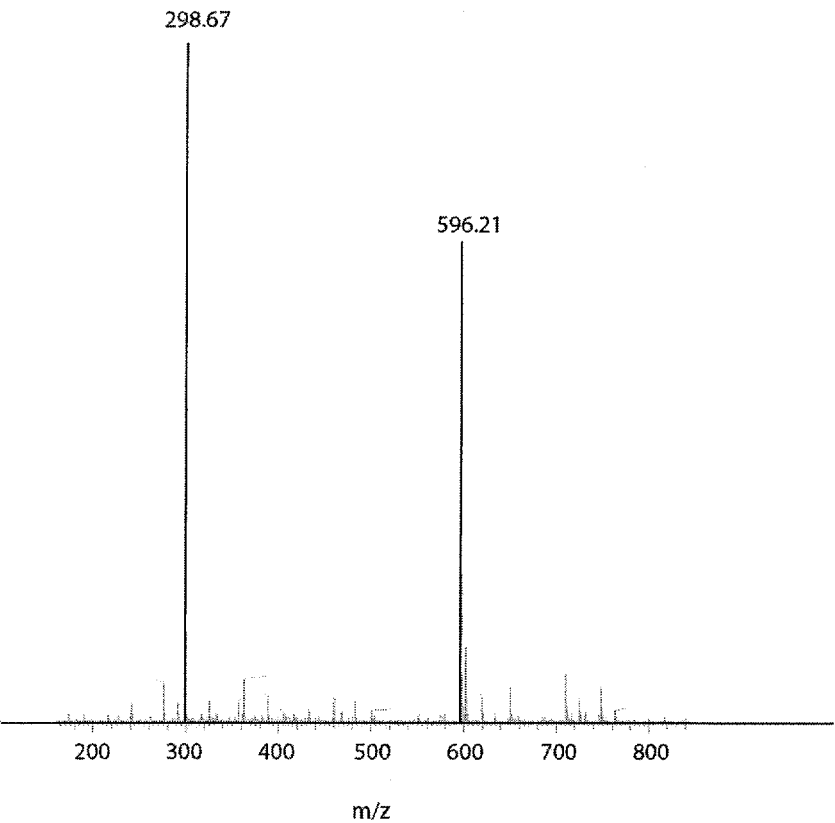


Figure 13



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Figure 14

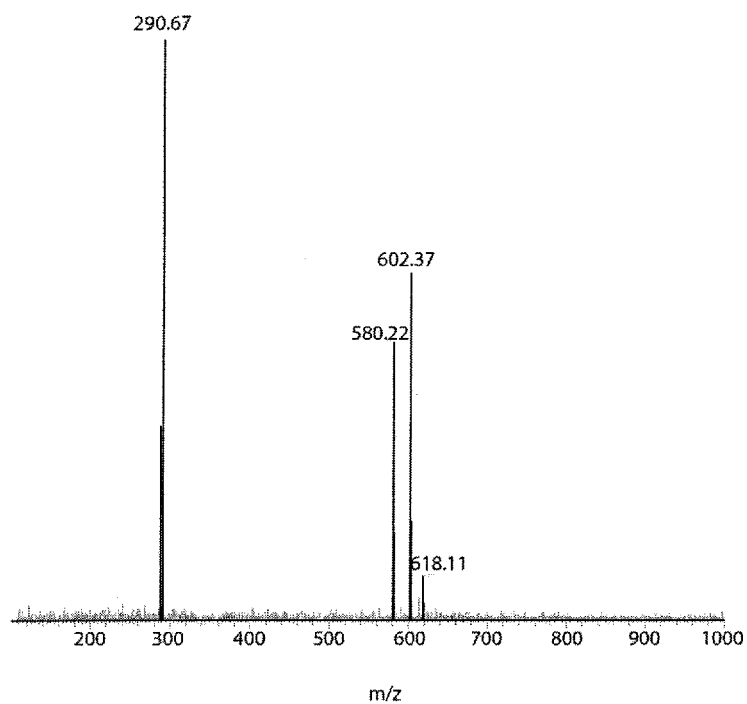
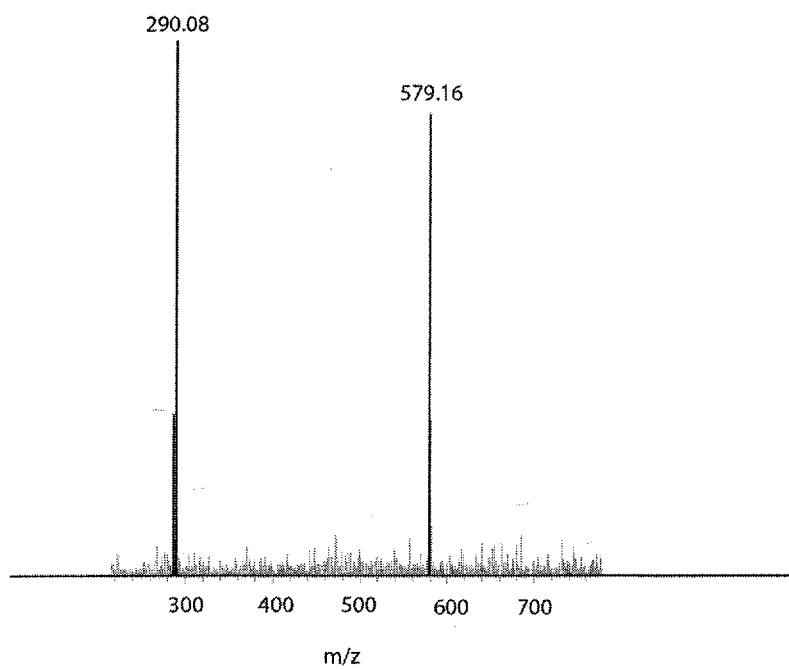


Figure 15



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Figure 16

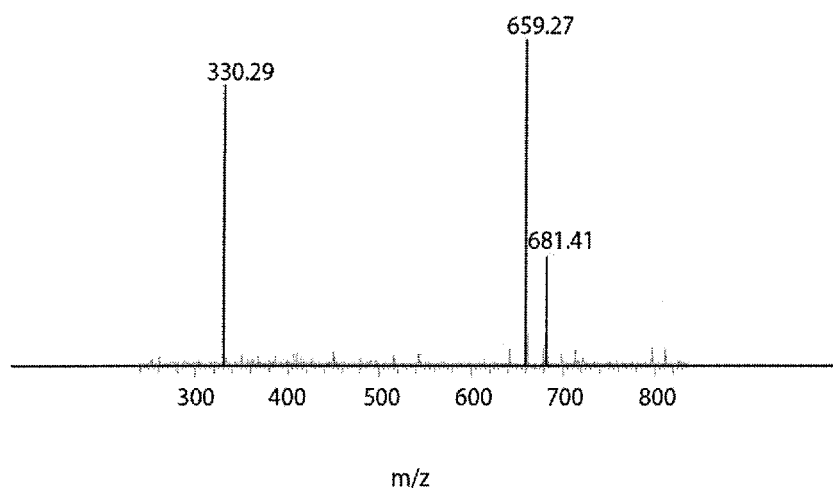
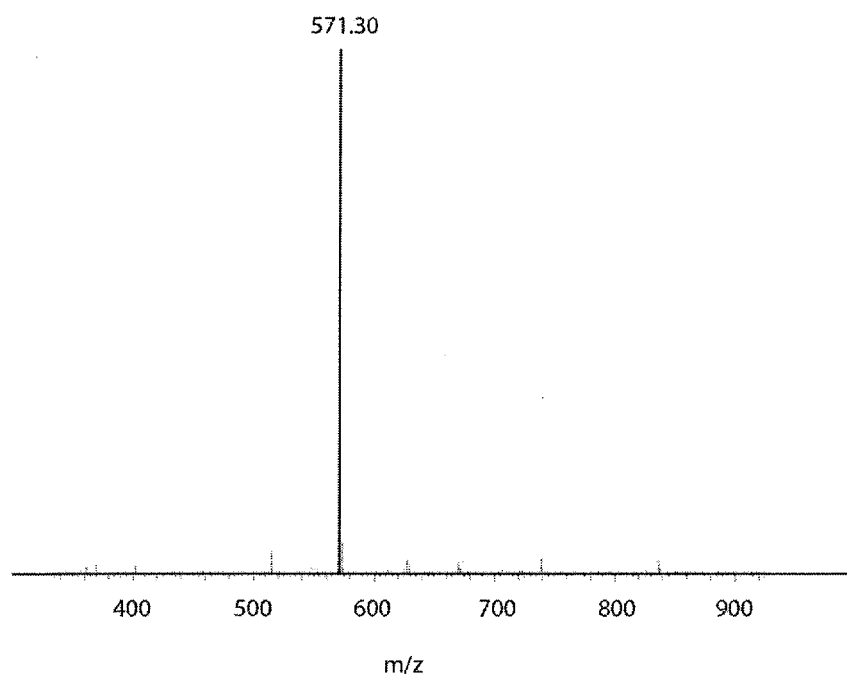
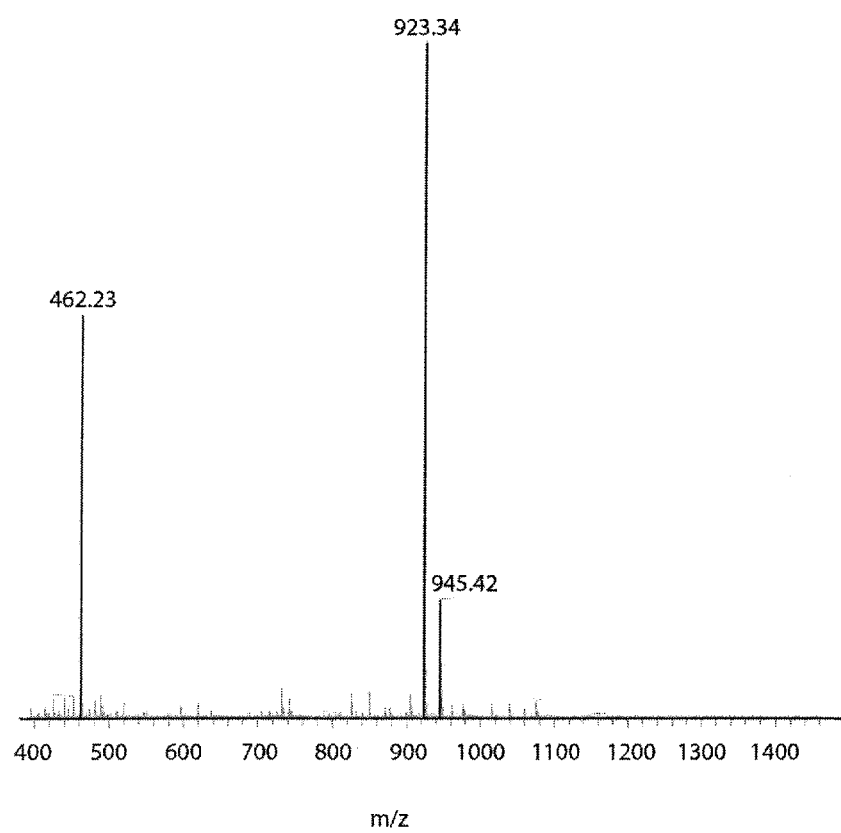


Figure 17



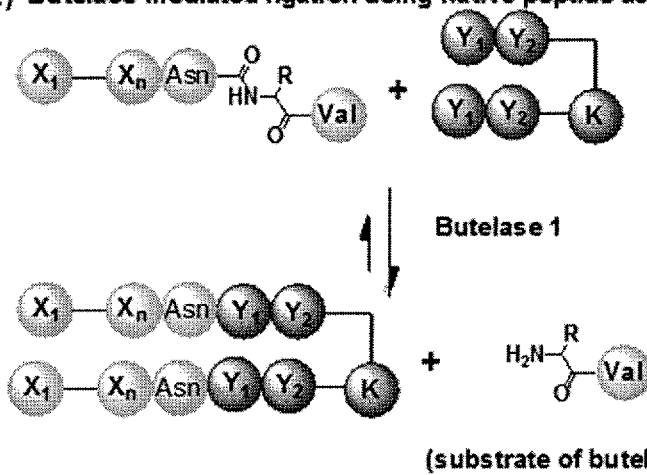
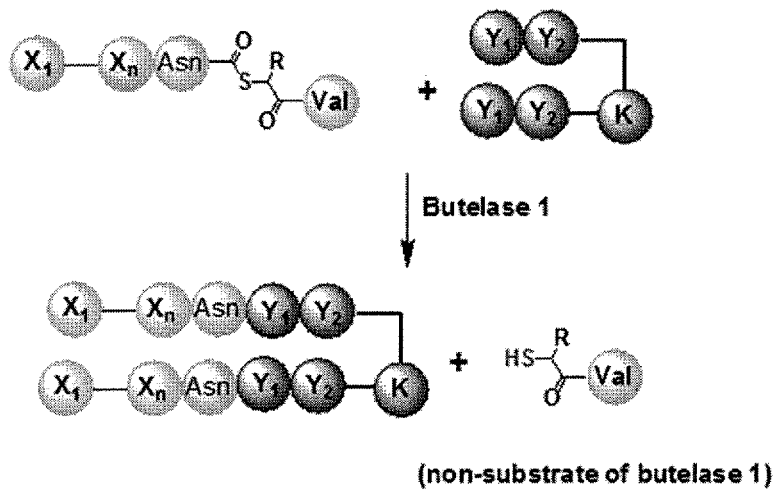
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Figure 18



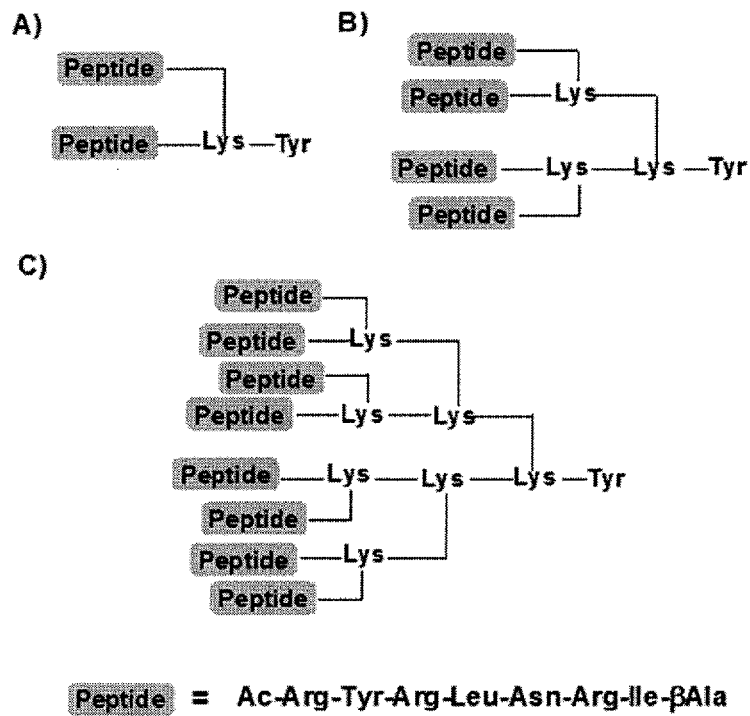
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Figure 19

A) Butelase-mediated ligation using native peptide as acyl donor**B) Butelase-mediated ligation using thiopeptide as acyl donor**

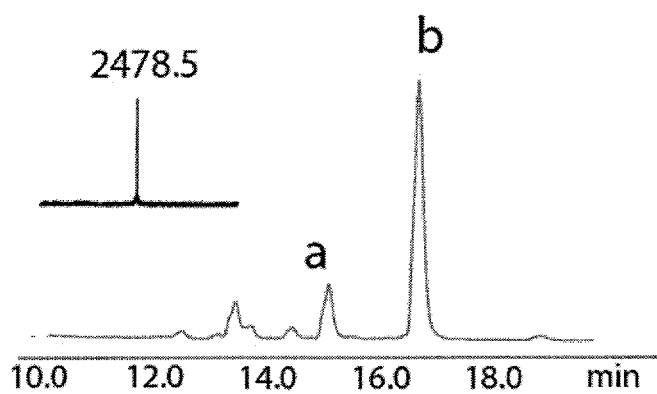
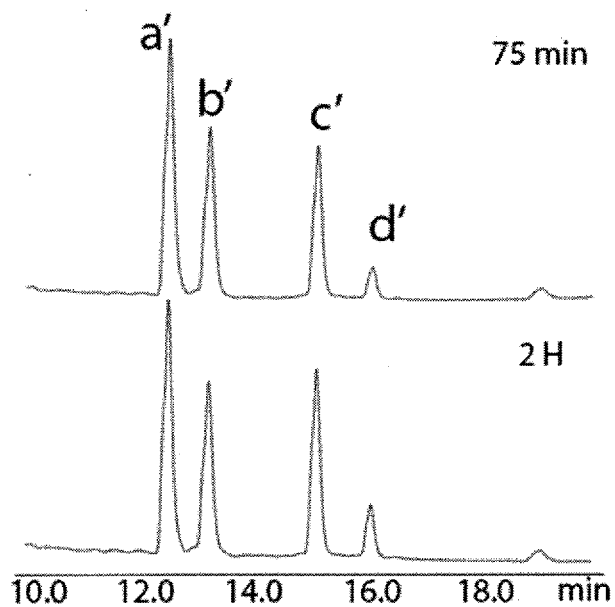
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Figure 20



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Figure 21

A) Dimer assembly using thiodepsipeptide **1** after 30 min**B)** Dimer assembly using normal peptide **4**

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Figure 22

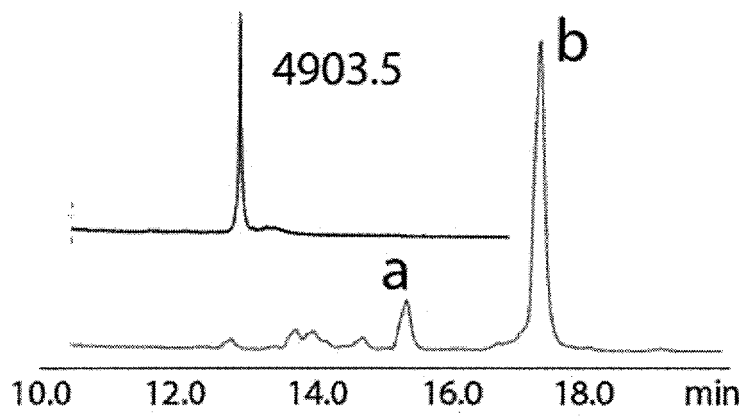
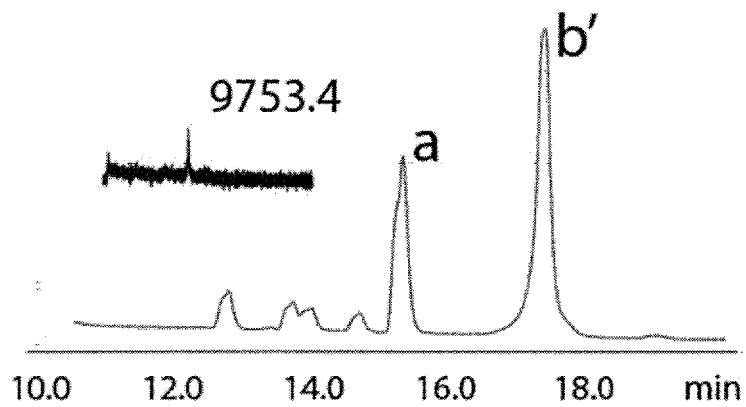
A) Tetramer assembly after 45 min**B) Octamer assembly after 180 min**

Figure 23

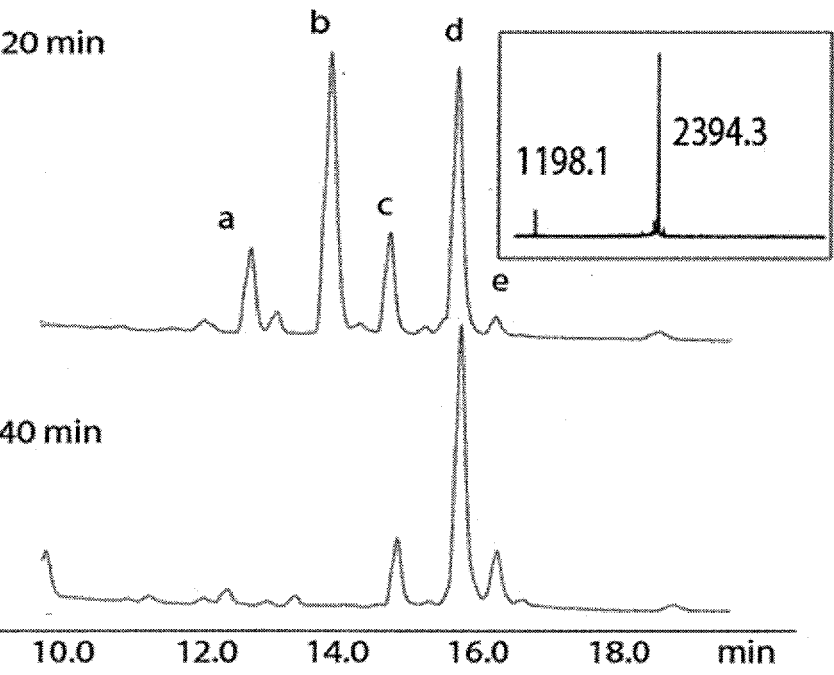
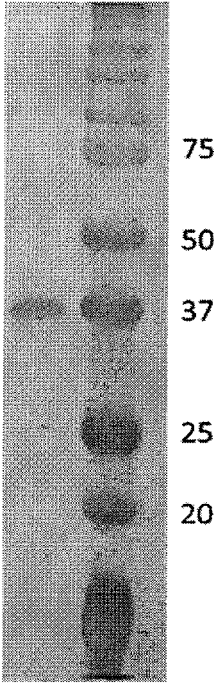


Figure 24



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Figure 25

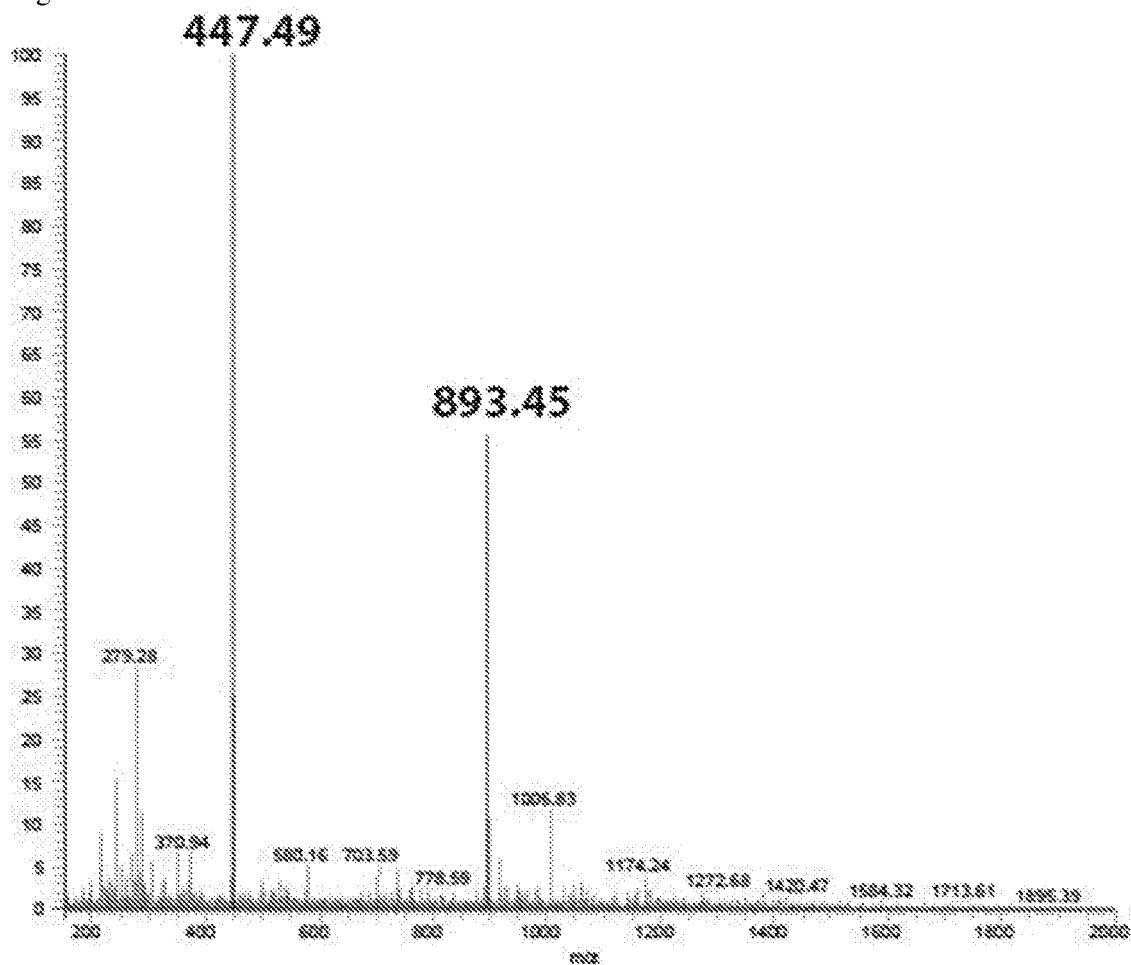


Figure 26

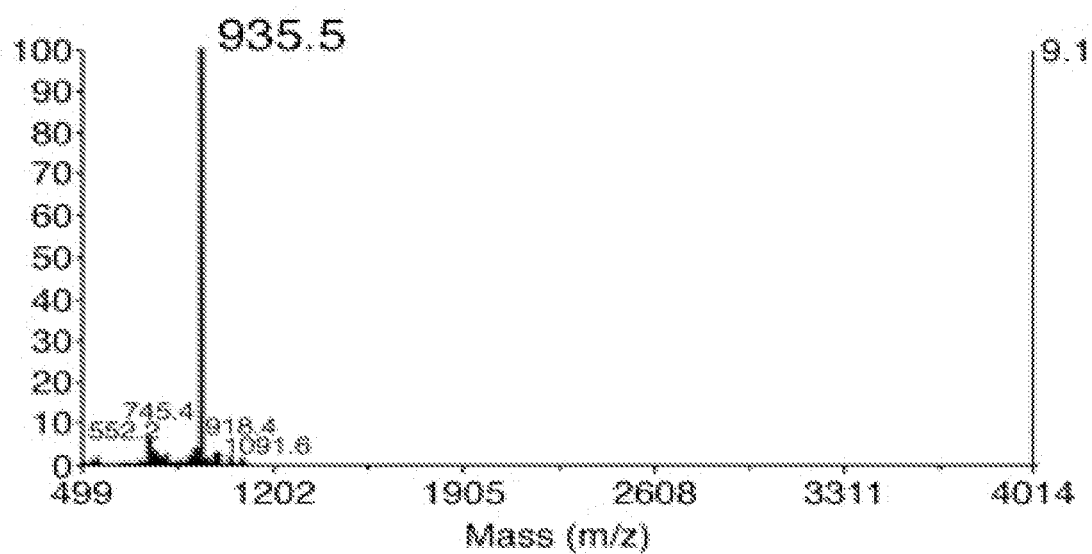


Figure 27

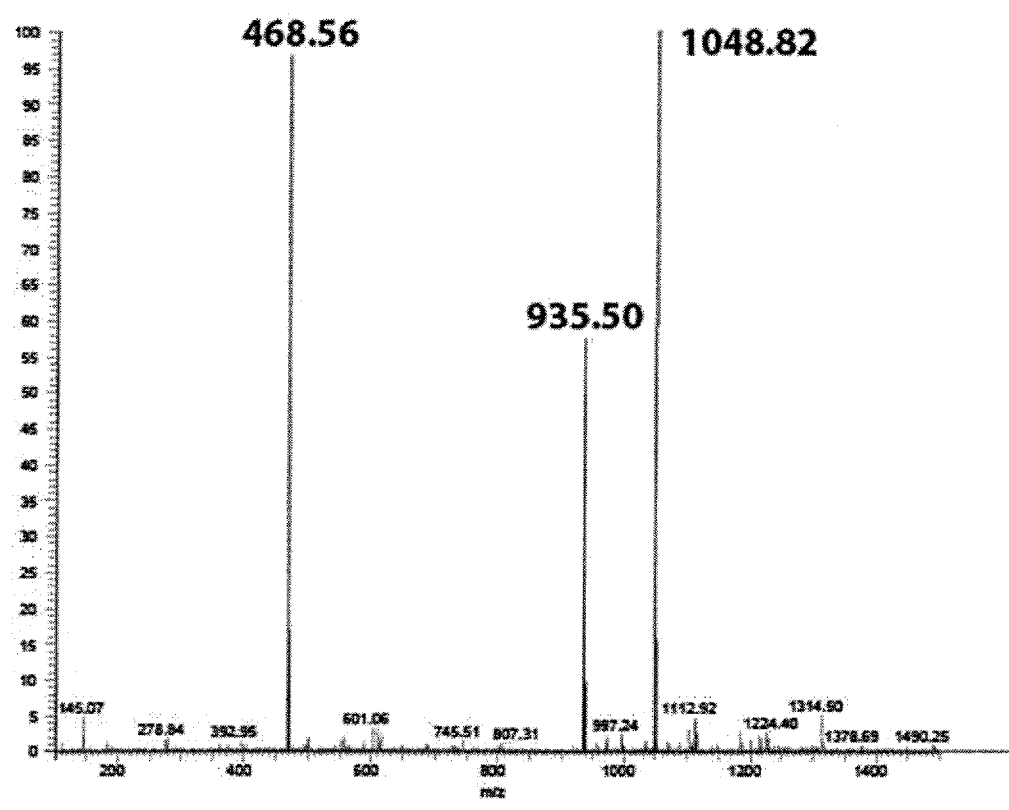
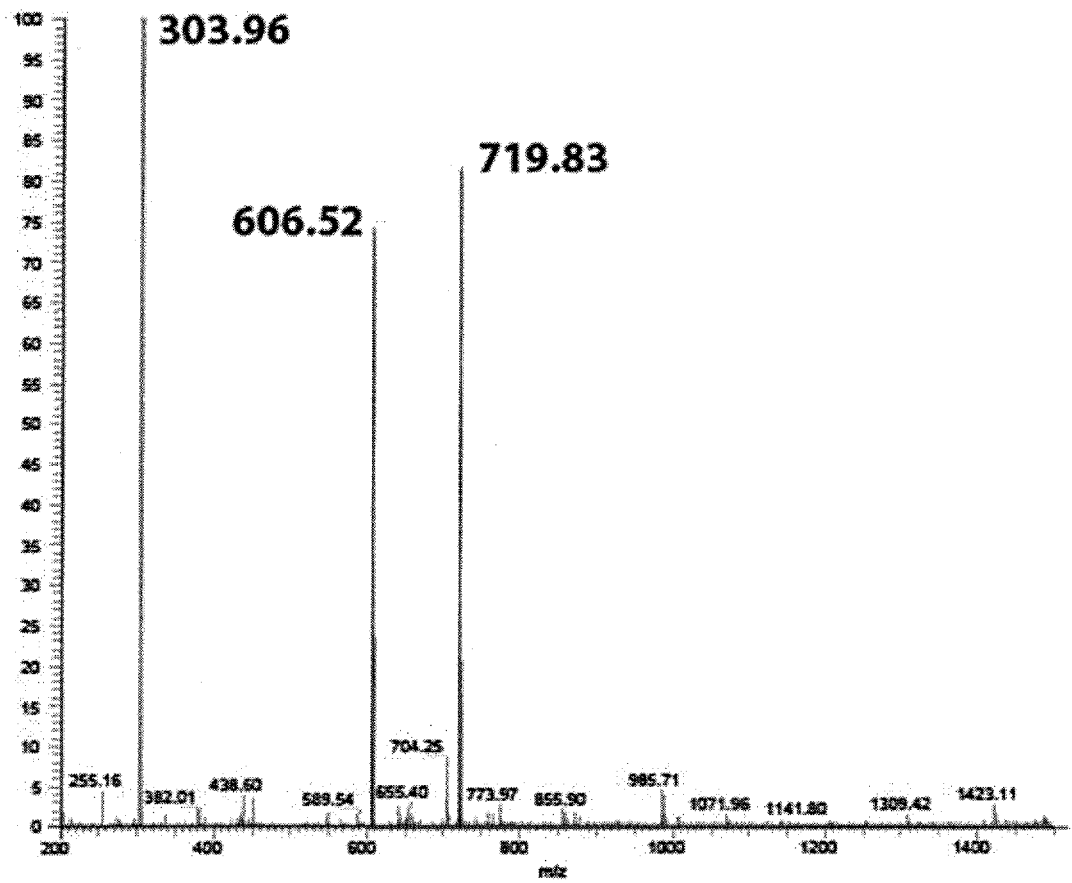
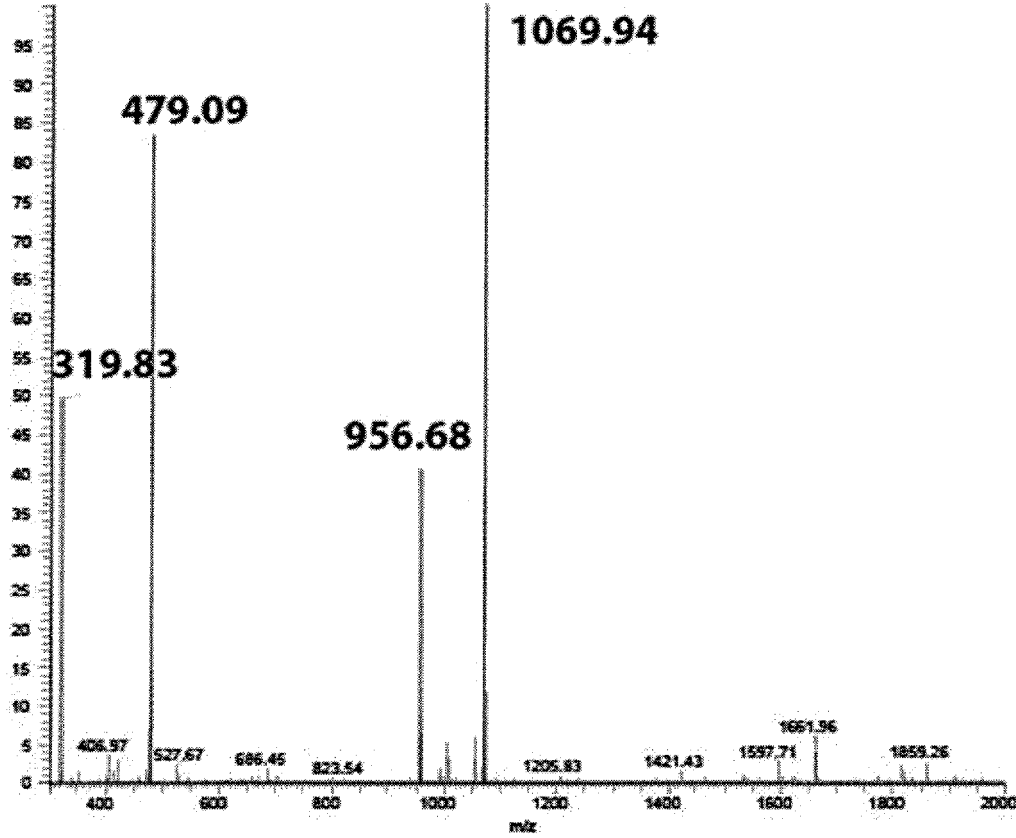


Figure 28



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Figure 29



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Figure 30

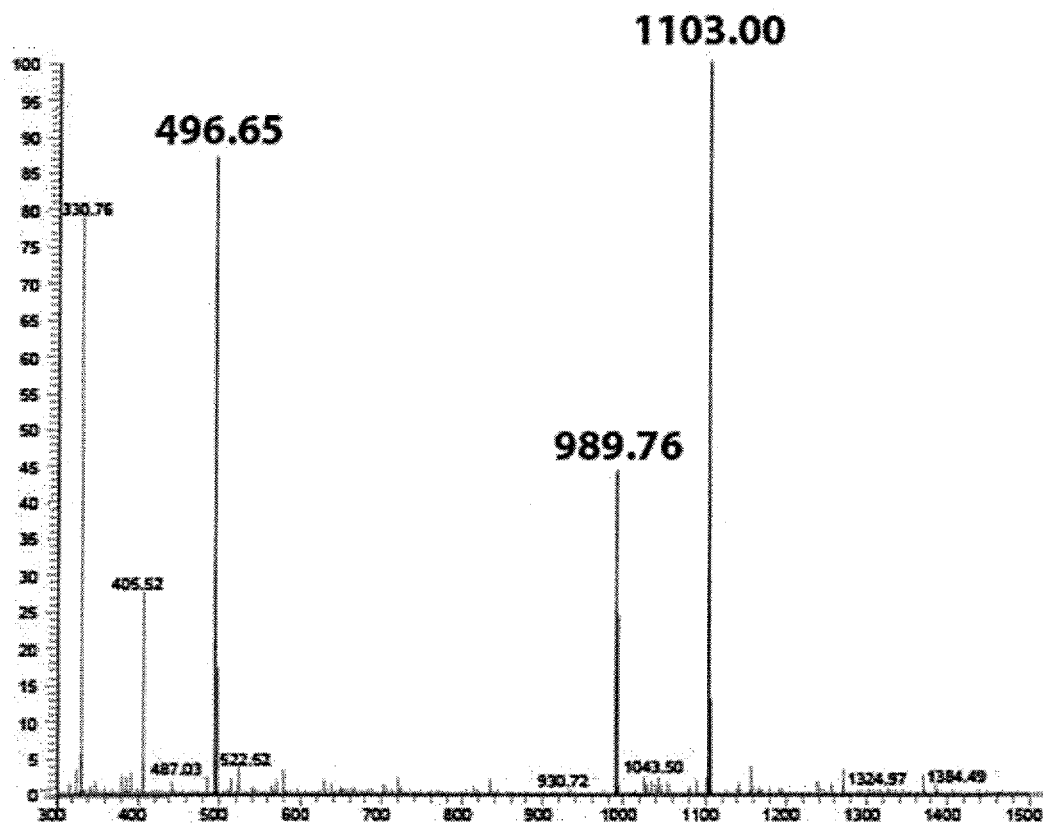
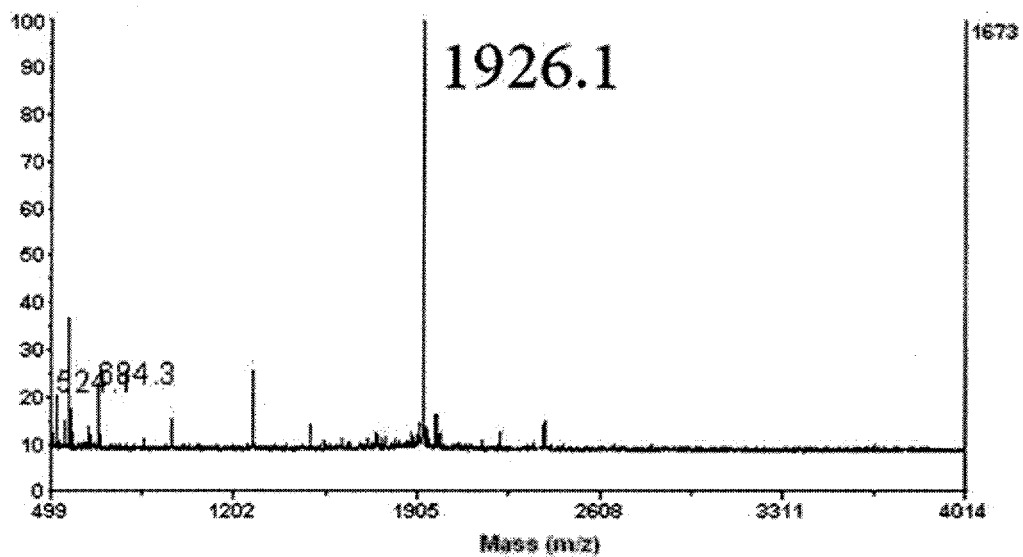


Figure 31



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Figure 32

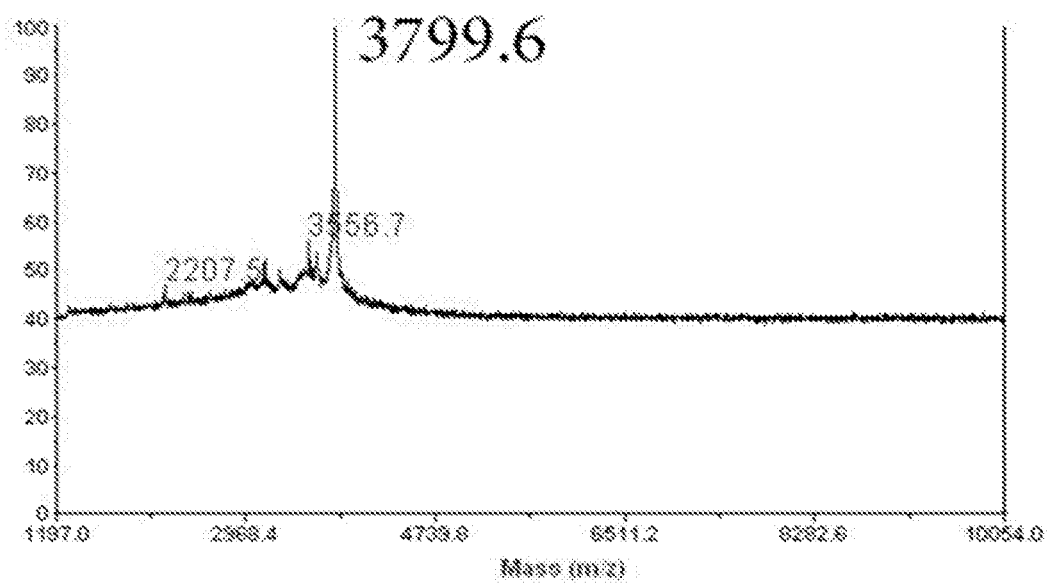


Figure 33

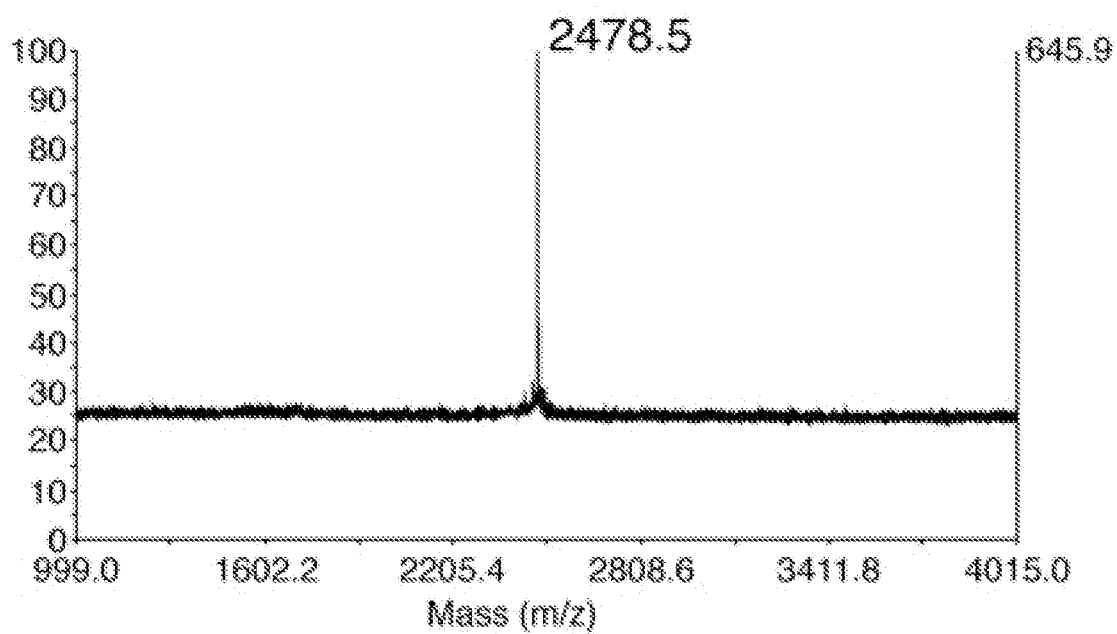


Figure 34

