

Supporting Information

A mini-library system to investigate non-essential residues of lipid-phosphatidylserine (PS) binding peptide-peptoid hybrid PPS1

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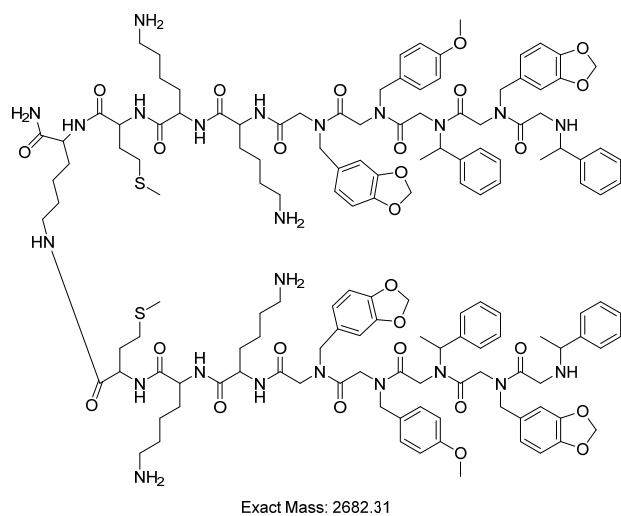
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Table of Contents

S. No.	Content	Page No.
1	Structure and Mass spectra of crude Compound 1-39	2-40
2	Structure, Mass spectra of crude PPS1D1, pure PPS1D1 and Analytical HPLC	41-42
3	Structure, Mass spectra of crude PC462D1, pure PC462D1 and Analytical HPLC	43-44
4	Structure, Mass spectra and Analytical HPLC of PPS1D1-M	45
5	Mass spectra and Analytical HPLC of pure Compound 1	46
6	Mass spectra and Analytical HPLC of pure Compound 3	47
7	Mass spectra and Analytical HPLC of pure Compound 6	48
8	Mass spectra and Analytical HPLC of pure Compound 11	49
9	Mass spectra and Analytical HPLC of pure Compound 12	50
10	Mass spectra and Analytical HPLC of pure Compound 24	51
11	Mass spectra and Analytical HPLC of pure Compound 32	52
12	Mass spectra and Analytical HPLC of pure Compound 34	53
13	Mass spectra and Analytical HPLC of pure Compound 37	54

(A)



(B)

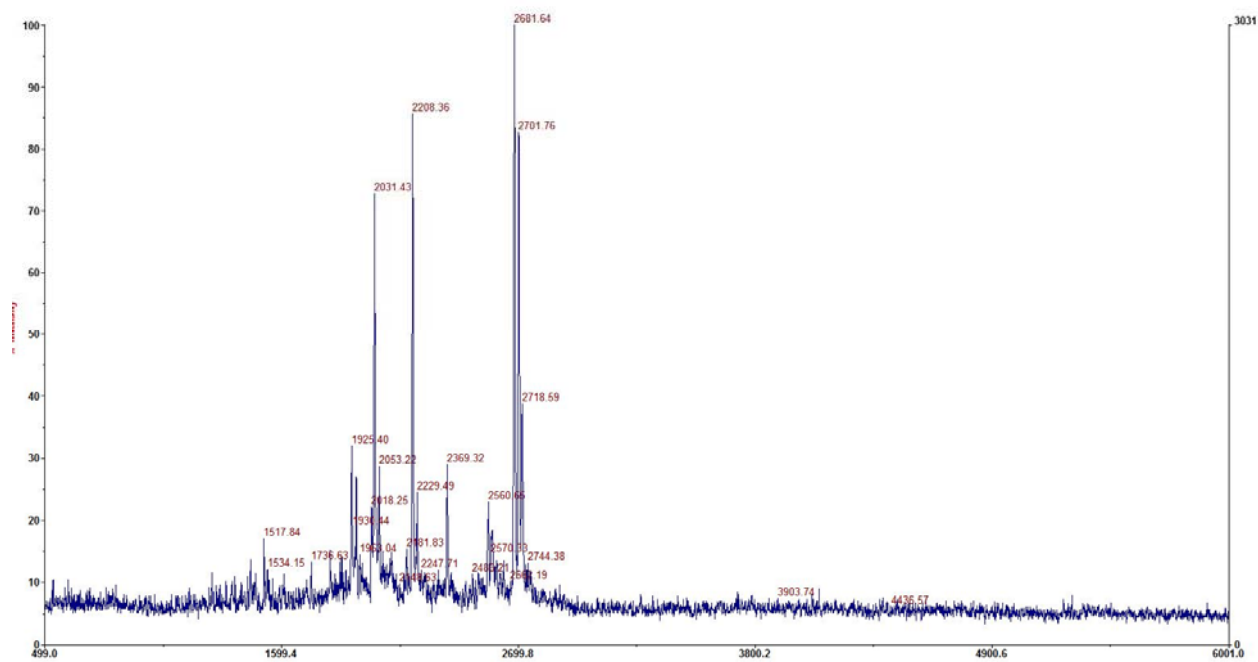
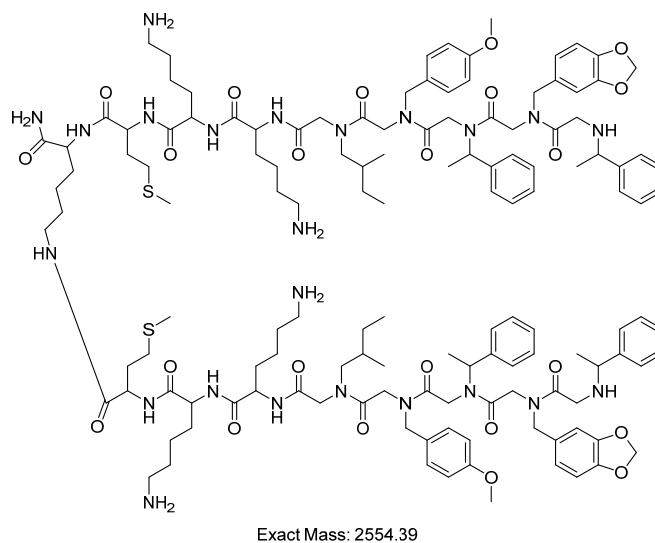


Figure S1: (A) Chemical structure of Compound 1, (B) MALDI-TOF spectrum of crude Compound 1.

(A)



(B)

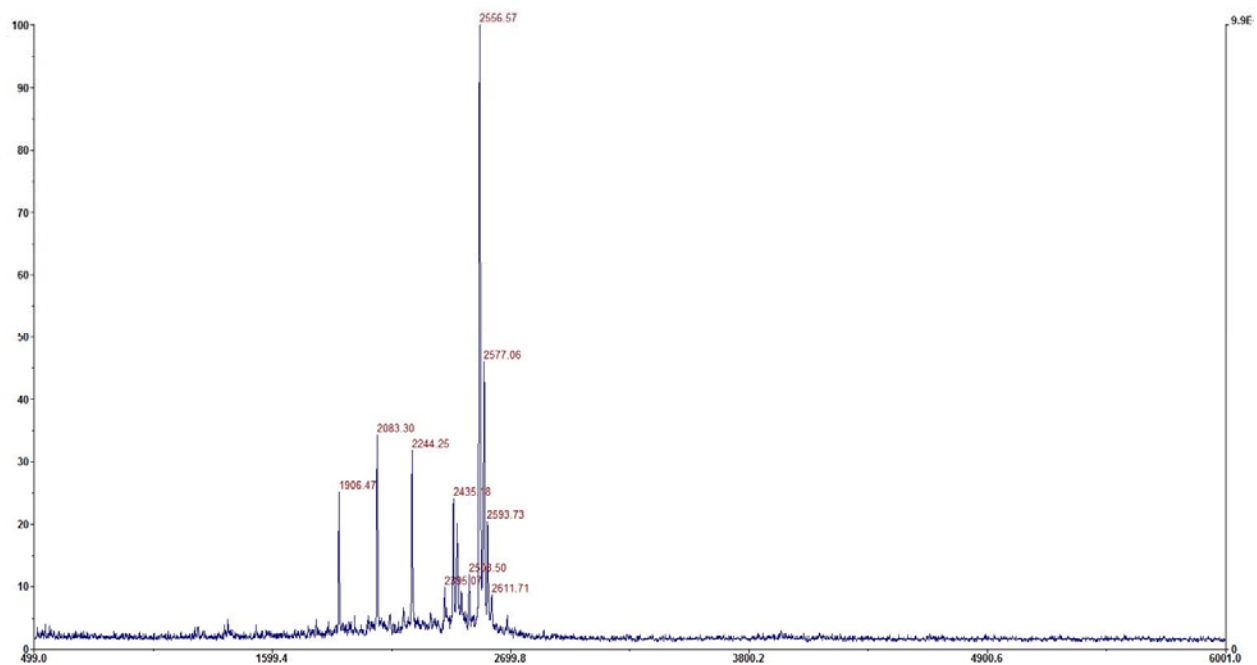
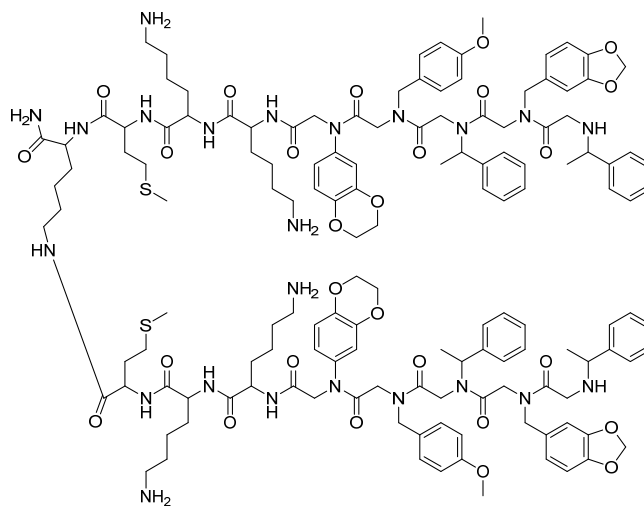


Figure S2: (A) Chemical structure of Compound 2, (B) MALDI-TOF spectrum of crude Compound 2.

(A)



Exact Mass: 2682.31

(B)

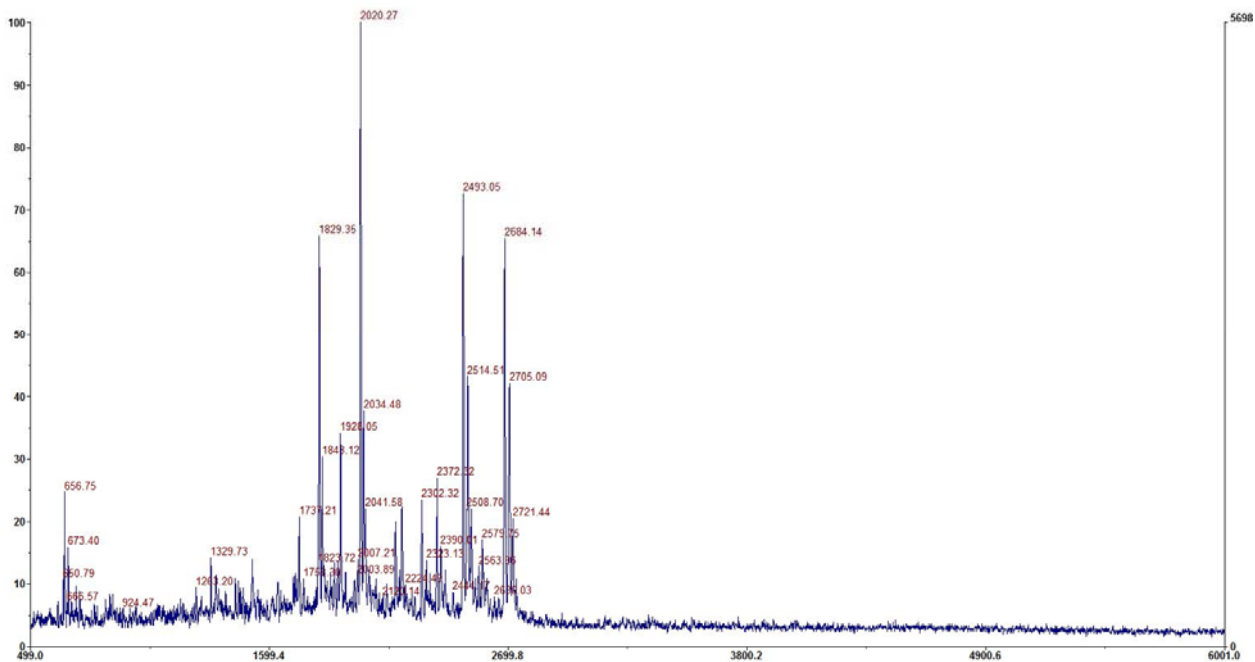
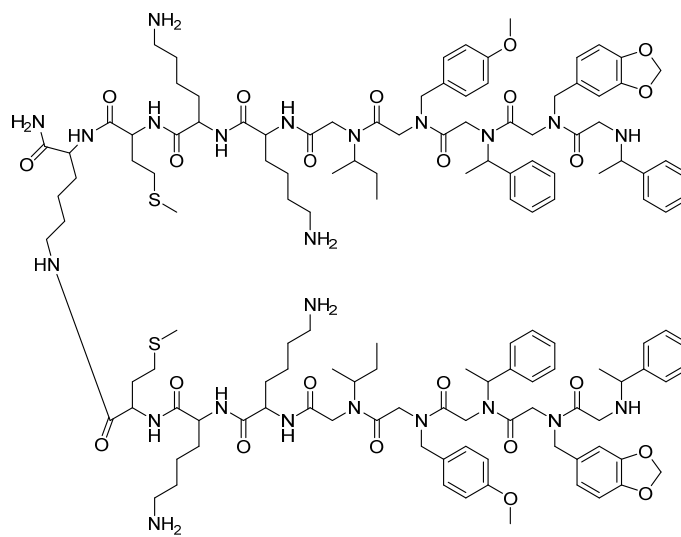


Figure S3: (A) Chemical structure of Compound 3, (B) MALDI-TOF spectrum of crude Compound 3.

(A)



Exact Mass: 2526.36

(B)

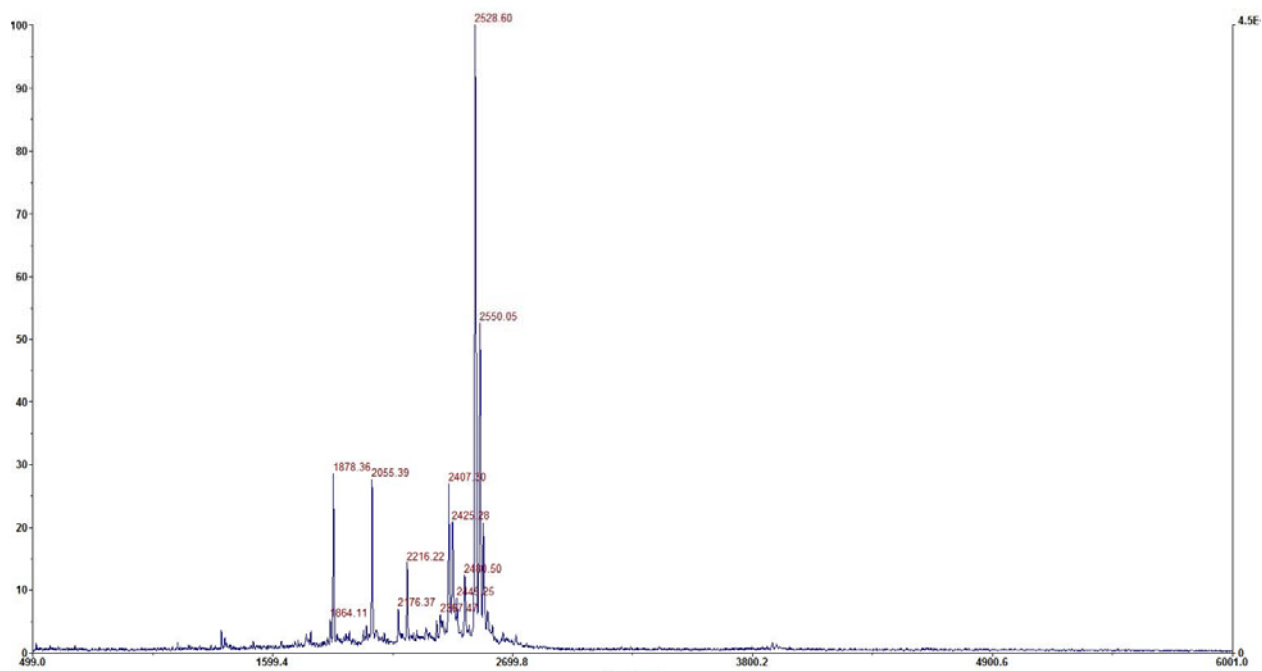
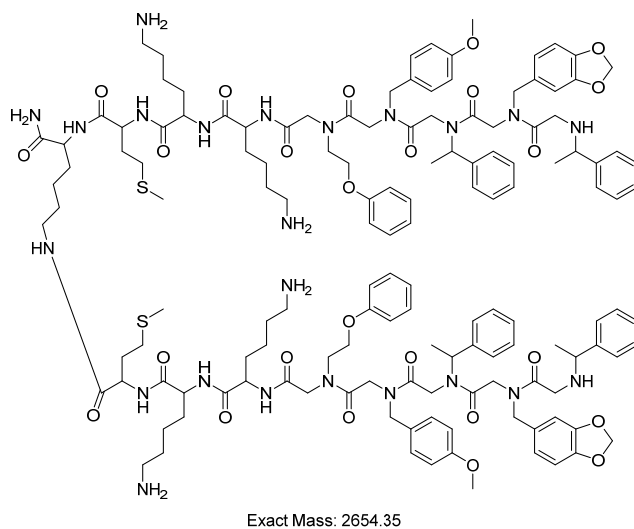


Figure S4: (A) Chemical structure of Compound 4, (B) MALDI-TOF spectrum of crude Compound 4.

(A)



(B)

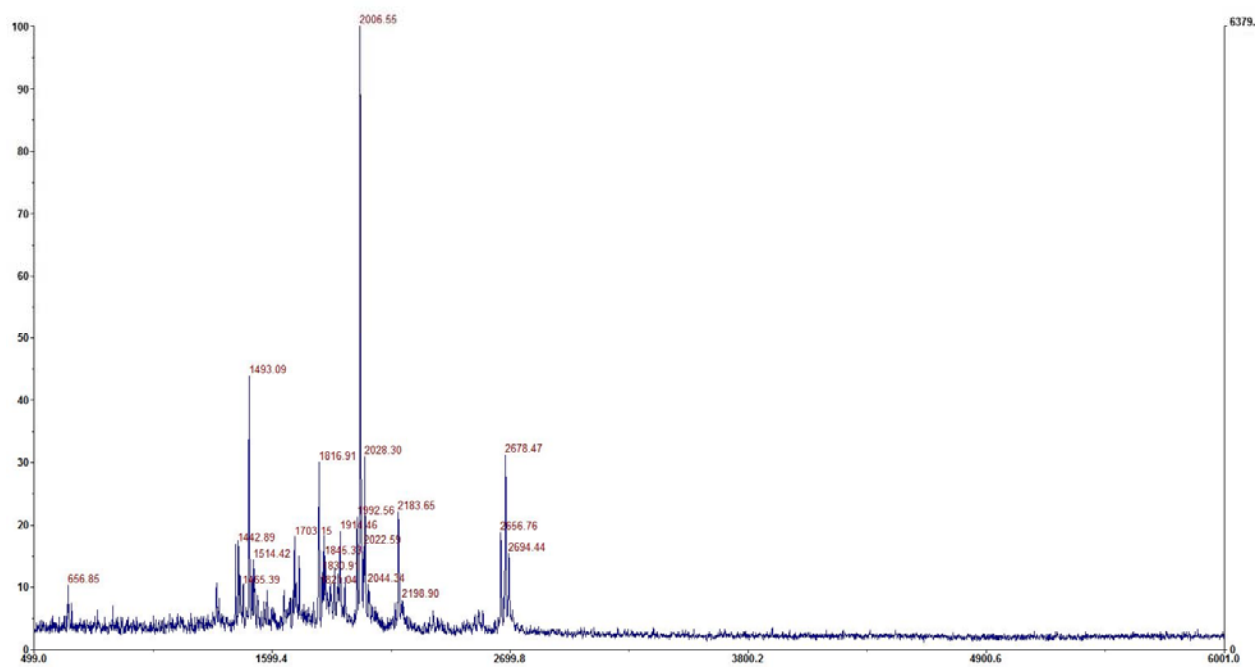
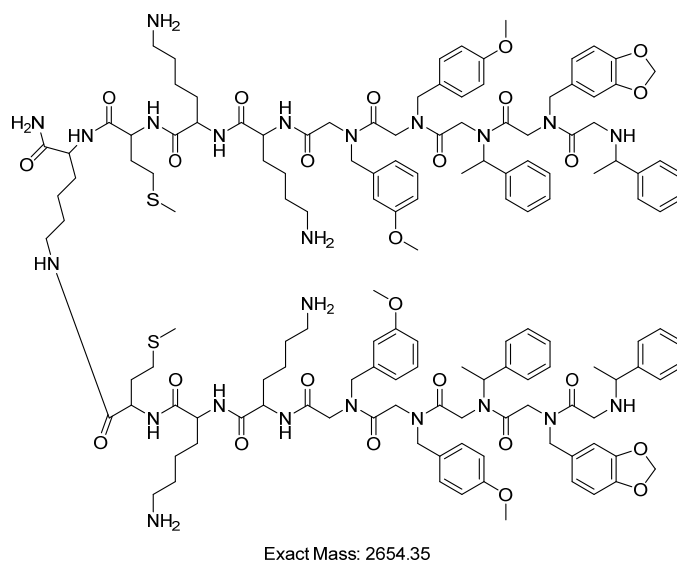


Figure S5: (A) Chemical structure of Compound 5, (B) MALDI-TOF spectrum of crude Compound 5.

(A)



(B)

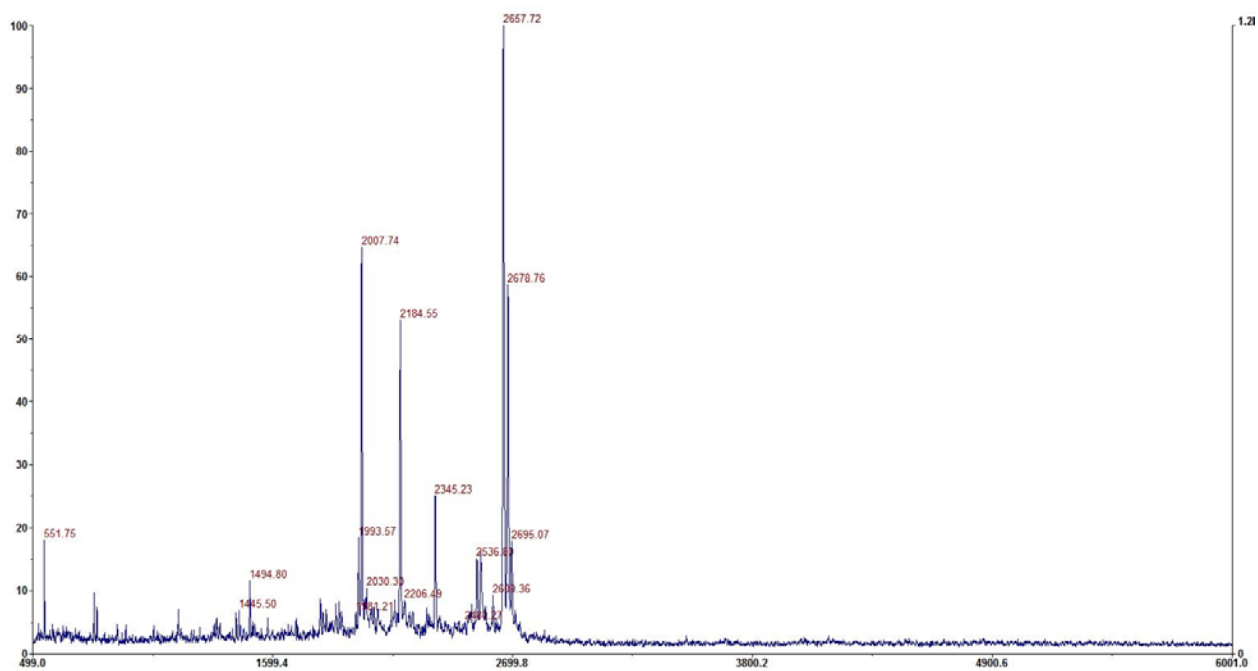
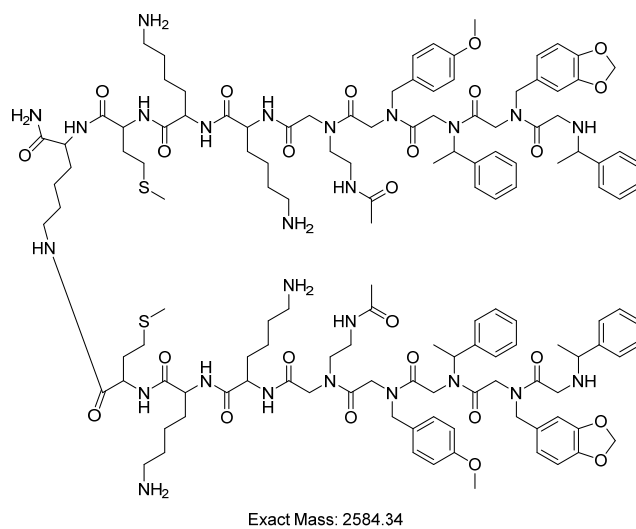


Figure S6: (A) Chemical structure of Compound 6, (B) MALDI-TOF spectrum of crude Compound 6.

(A)



(B)

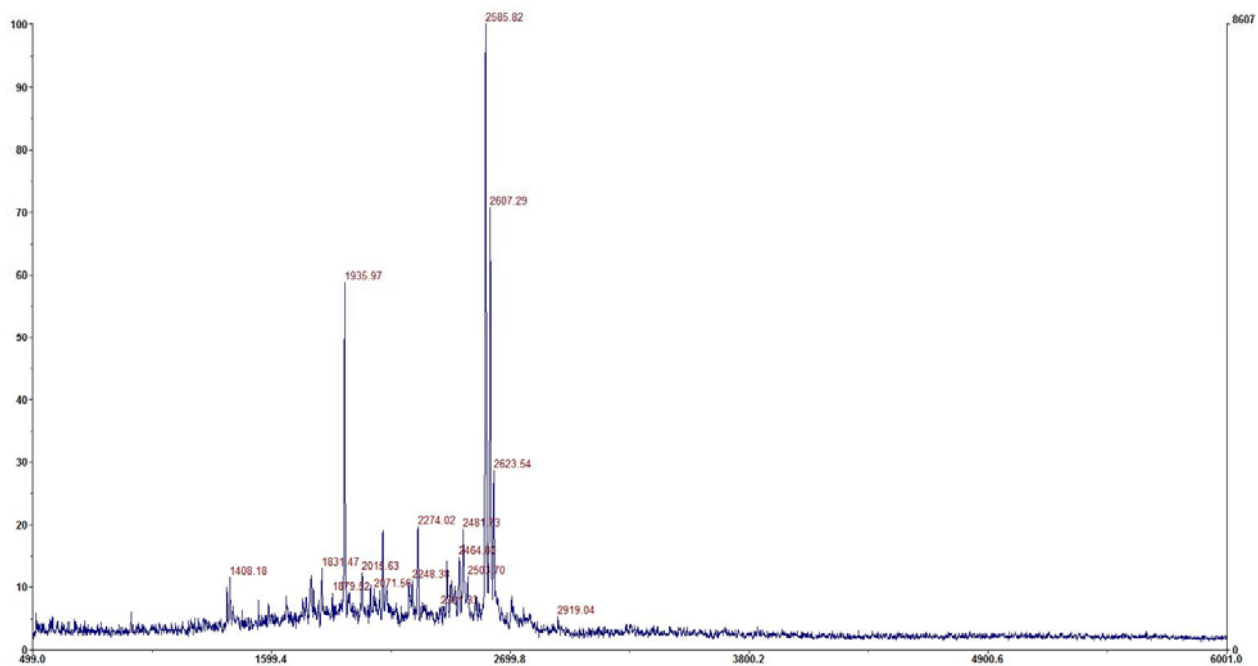
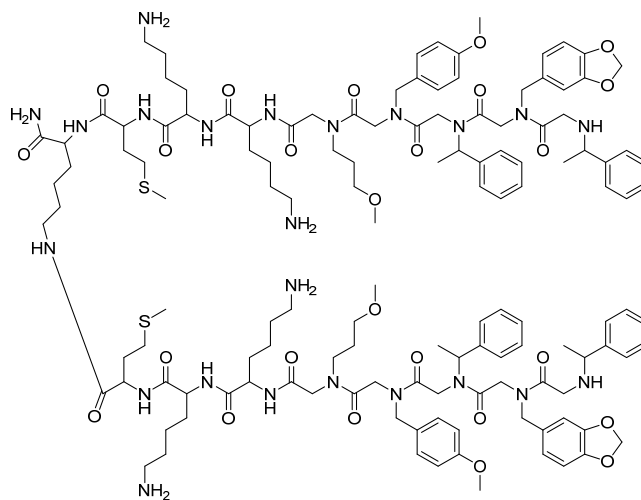


Figure S8: (A) Chemical structure of Compound 8, (B) MALDI-TOF spectrum of crude Compound 8.

(A)



Exact Mass: 2558.35

(B)

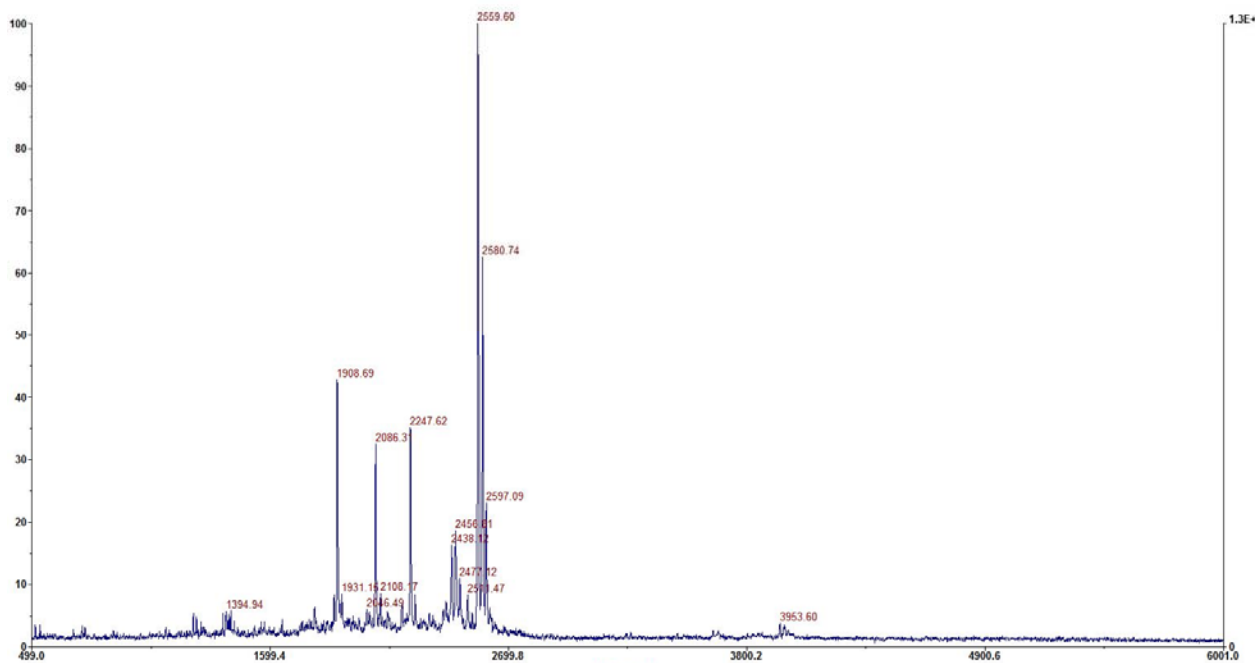
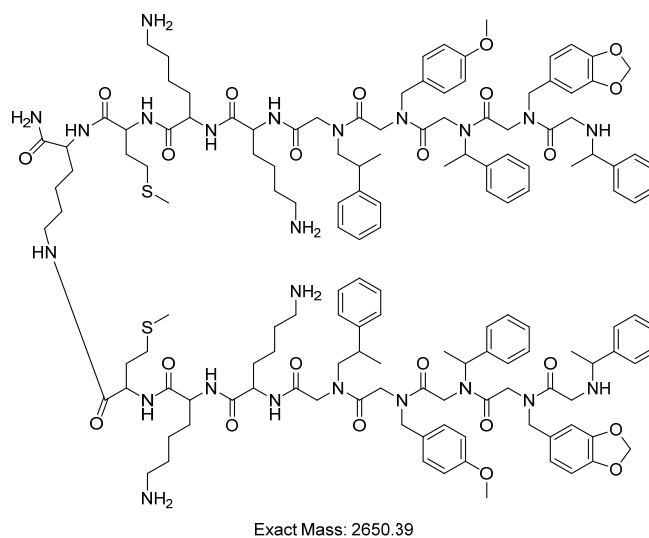


Figure S10: (A) Chemical structure of Compound 10, (B) MALDI-TOF spectrum of crude Compound 10.

(A)



(B)

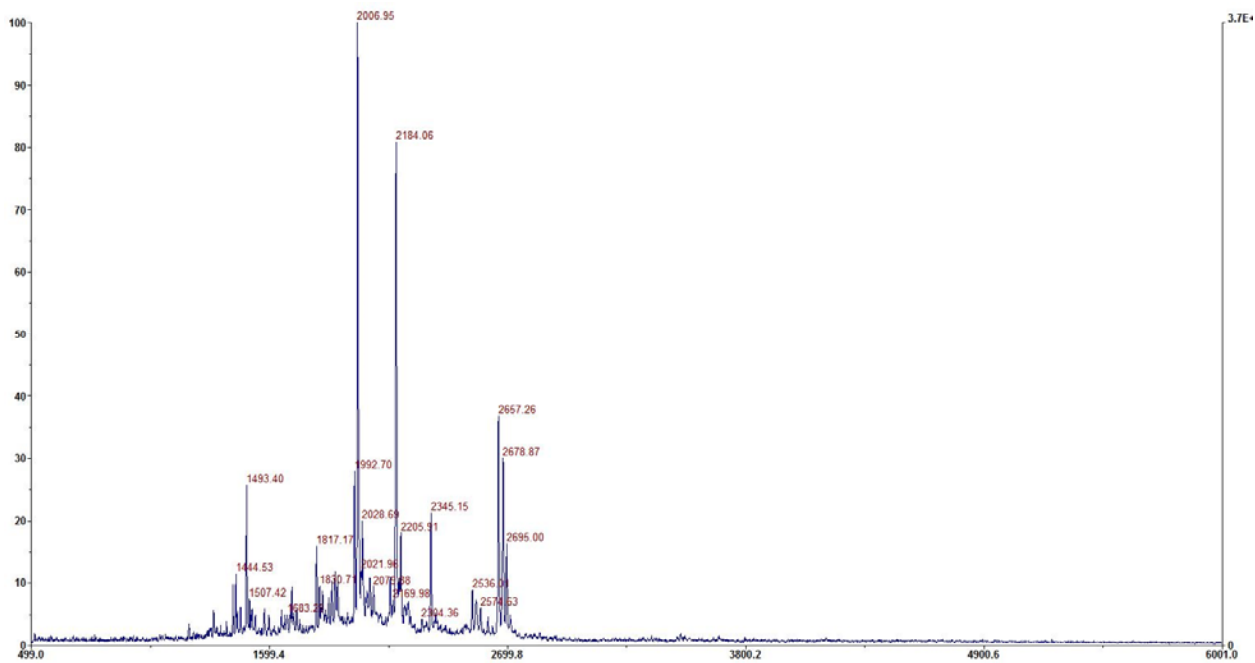
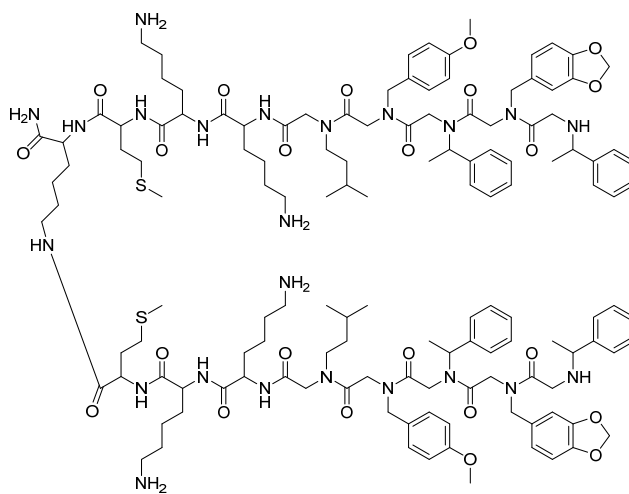


Figure S11: (A) Chemical structure of Compound 11, (B) MALDI-TOF spectrum of crude Compound 11.

(A)



Exact Mass: 2554.39

(B)

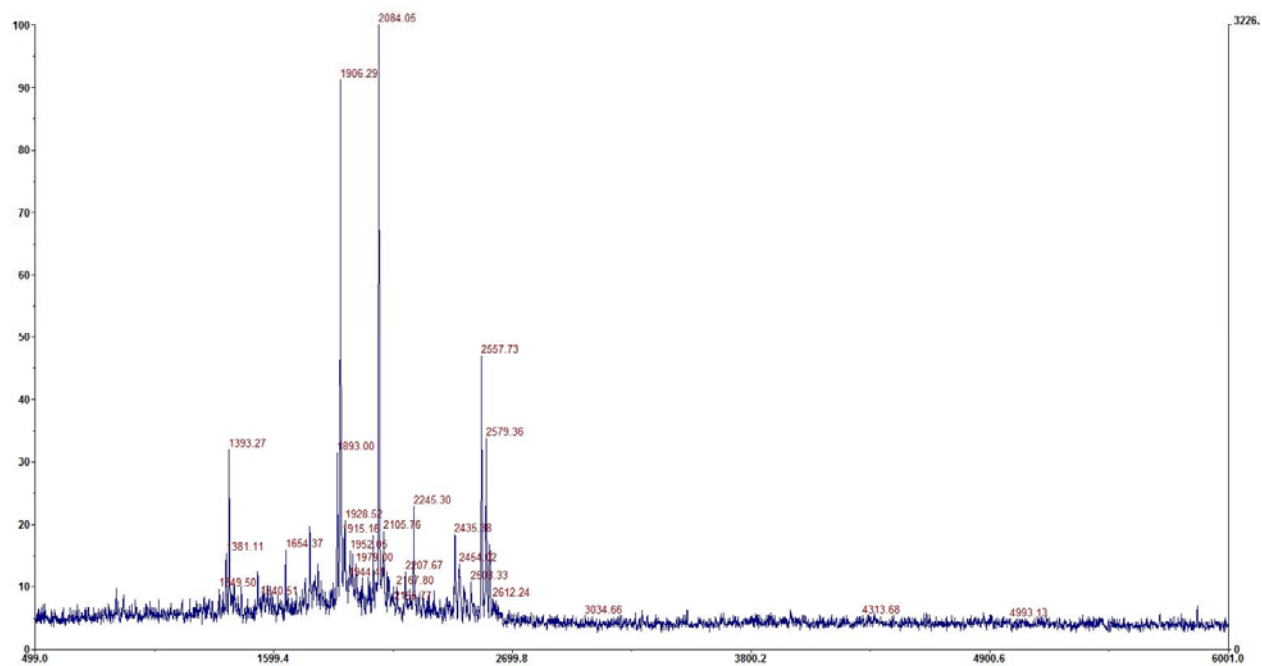
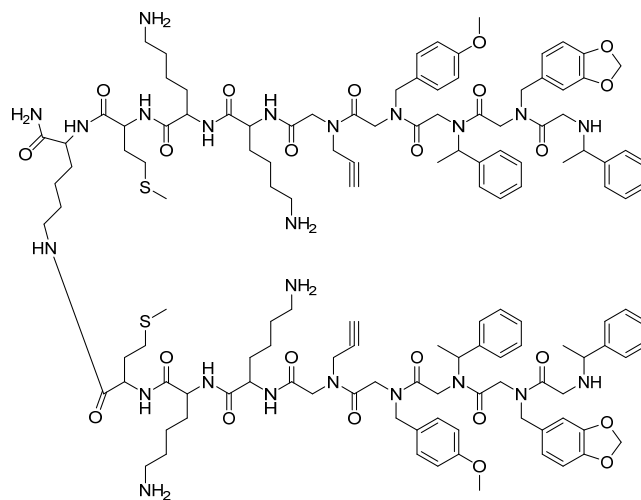


Figure S13: (A) Chemical structure of Compound 13, (B) MALDI-TOF spectrum of crude Compound 13.

(A)



Exact Mass: 2490.27

(B)

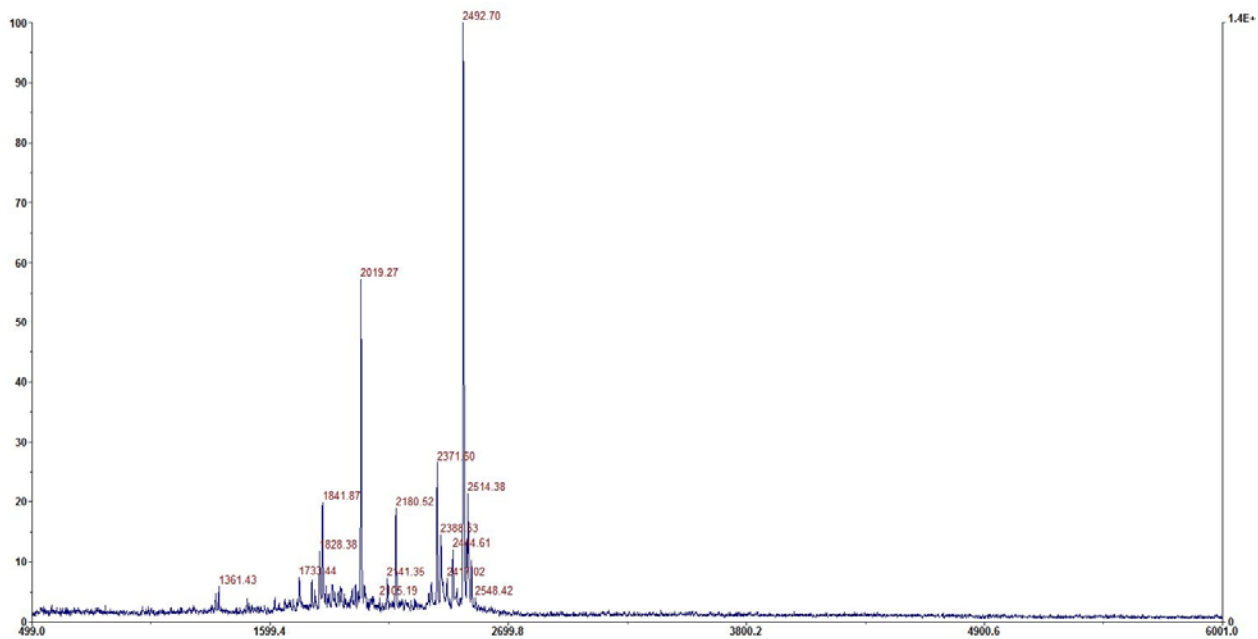
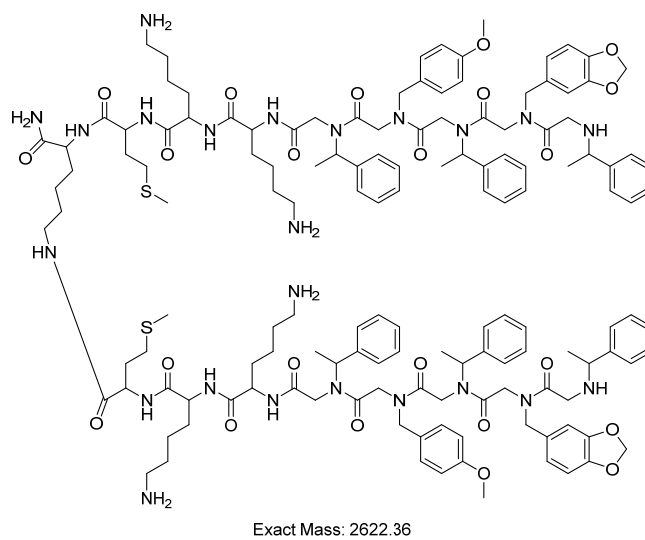


Figure S15: (A) Chemical structure of Compound 15, (B) MALDI-TOF spectrum of crude Compound 15.

(A)



(B)

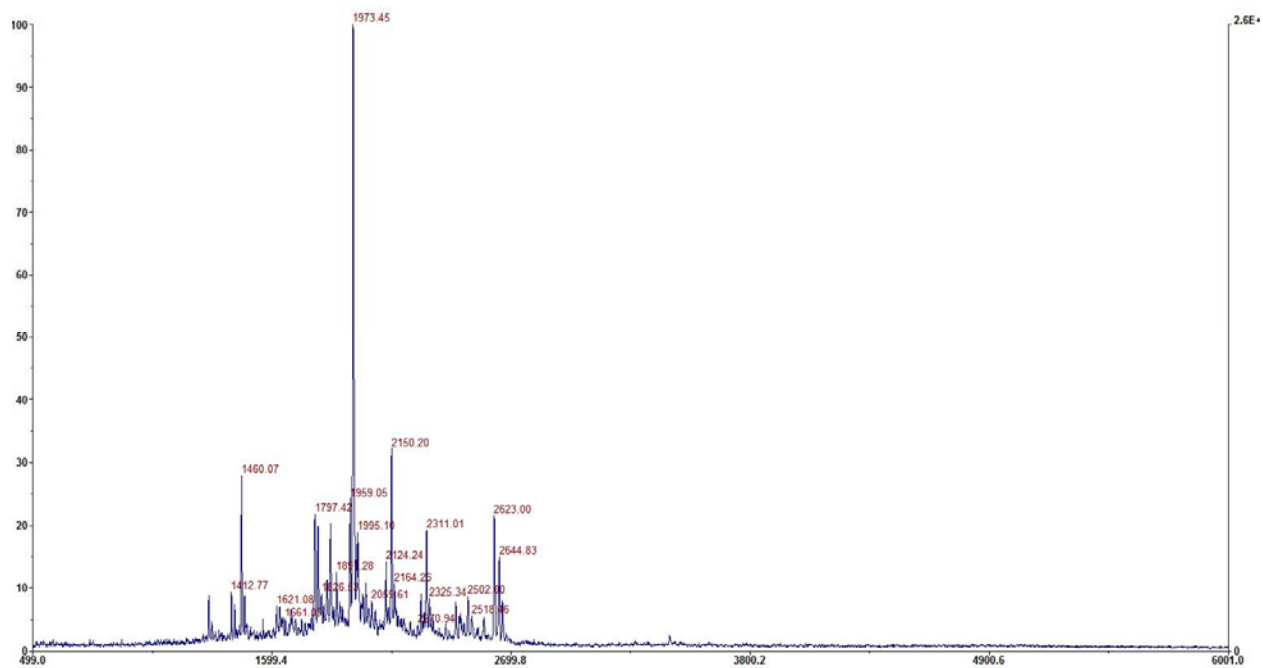
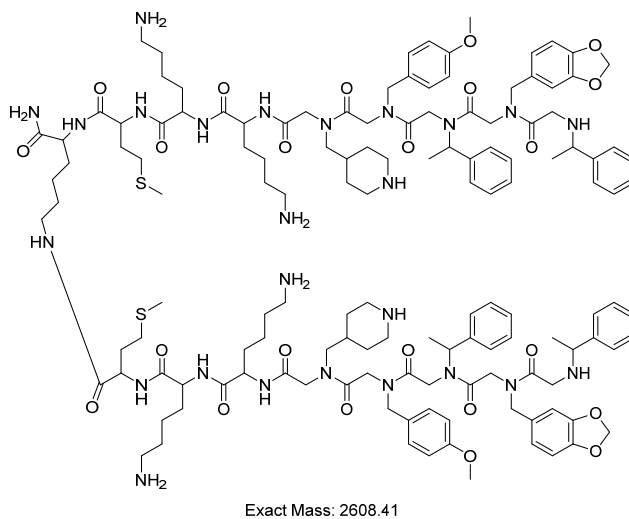


Figure S17: (A) Chemical structure of Compound 17, (B) MALDI-TOF spectrum of crude Compound 17.

(A)



(B)

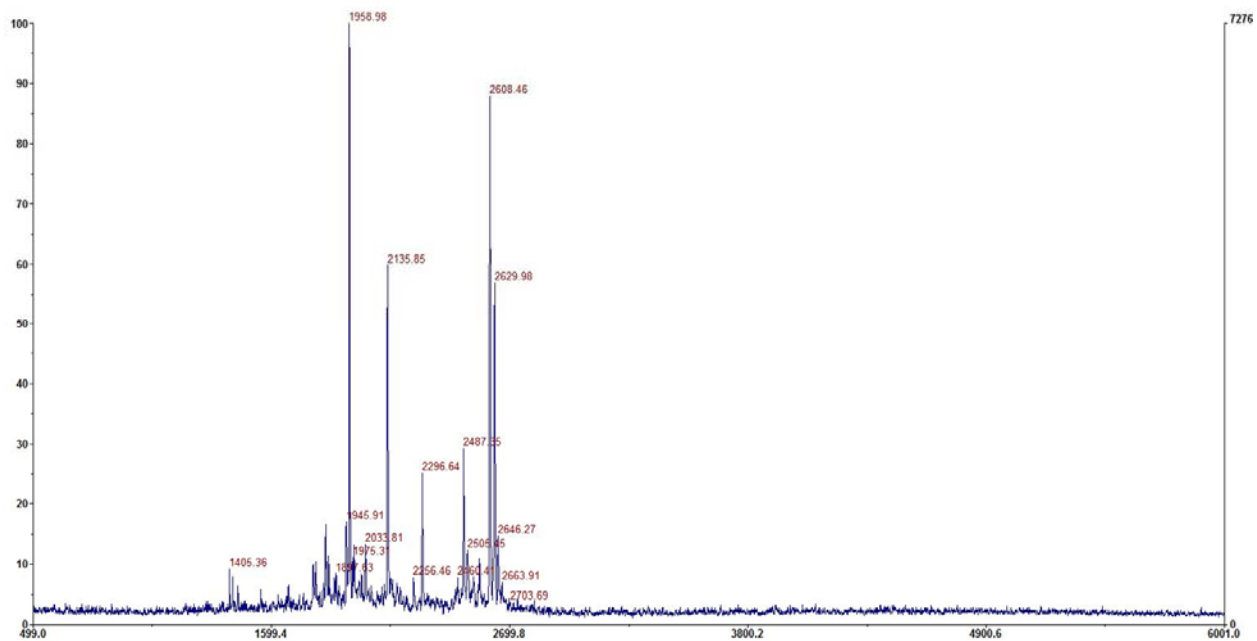
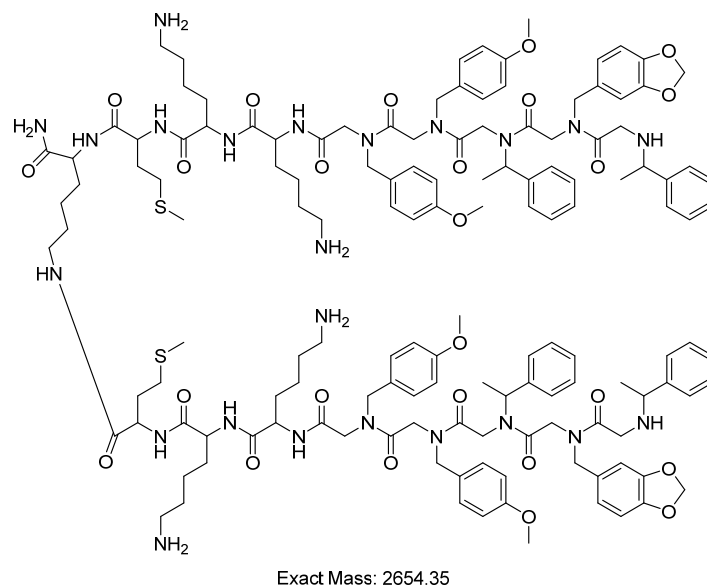


Figure S18: (A) Chemical structure of Compound 18, (B) MALDI-TOF spectrum of crude Compound 18.

(A)



(B)

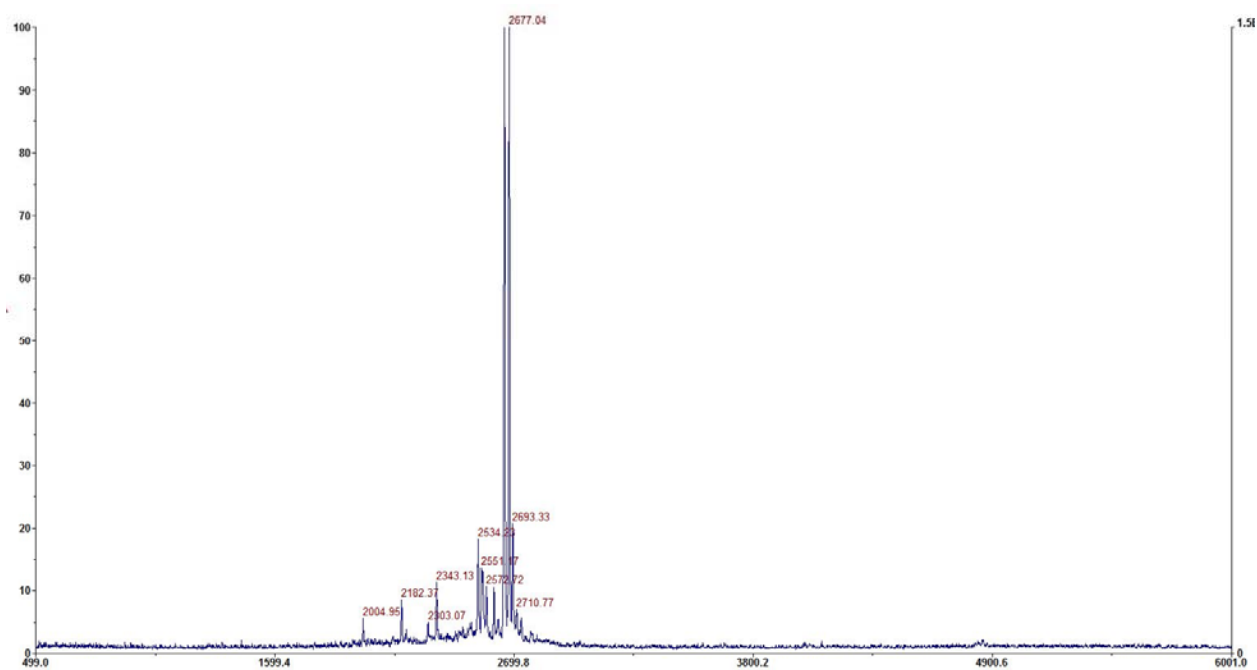
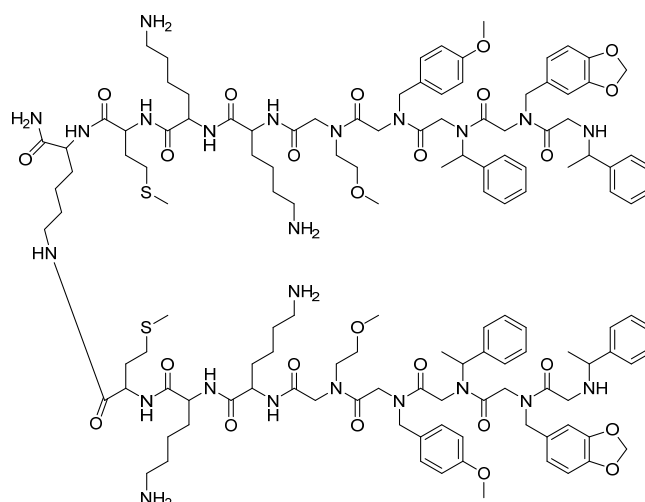


Figure S19: (A) Chemical structure of Compound 19, (B) MALDI-TOF spectrum of crude Compound 19.

(A)



Exact Mass: 2530.32

(B)

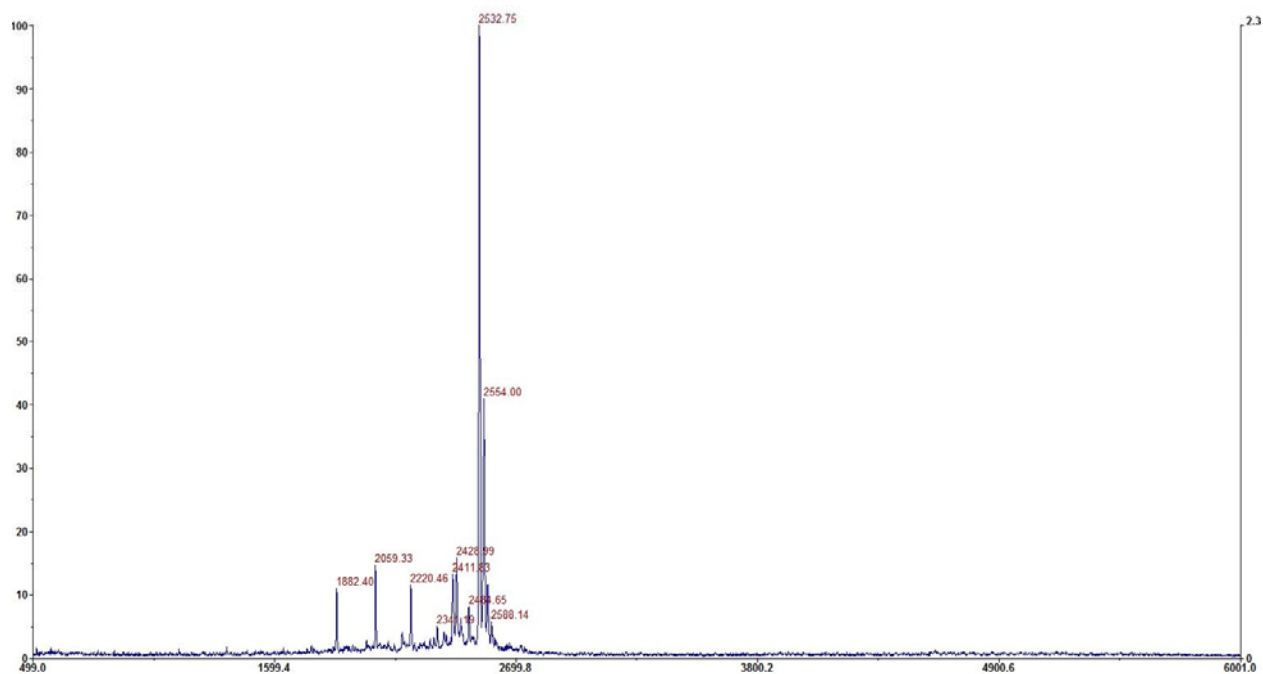
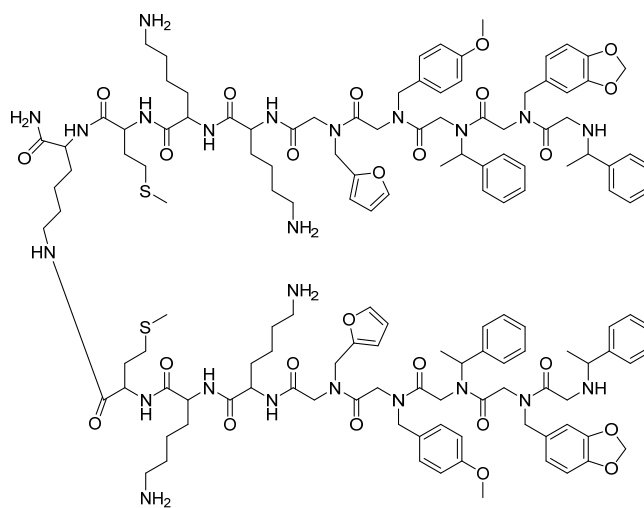


Figure S20: (A) Chemical structure of Compound 20, (B) MALDI-TOF spectrum of crude Compound 20.

(A)



Exact Mass: 2574.29

(B)

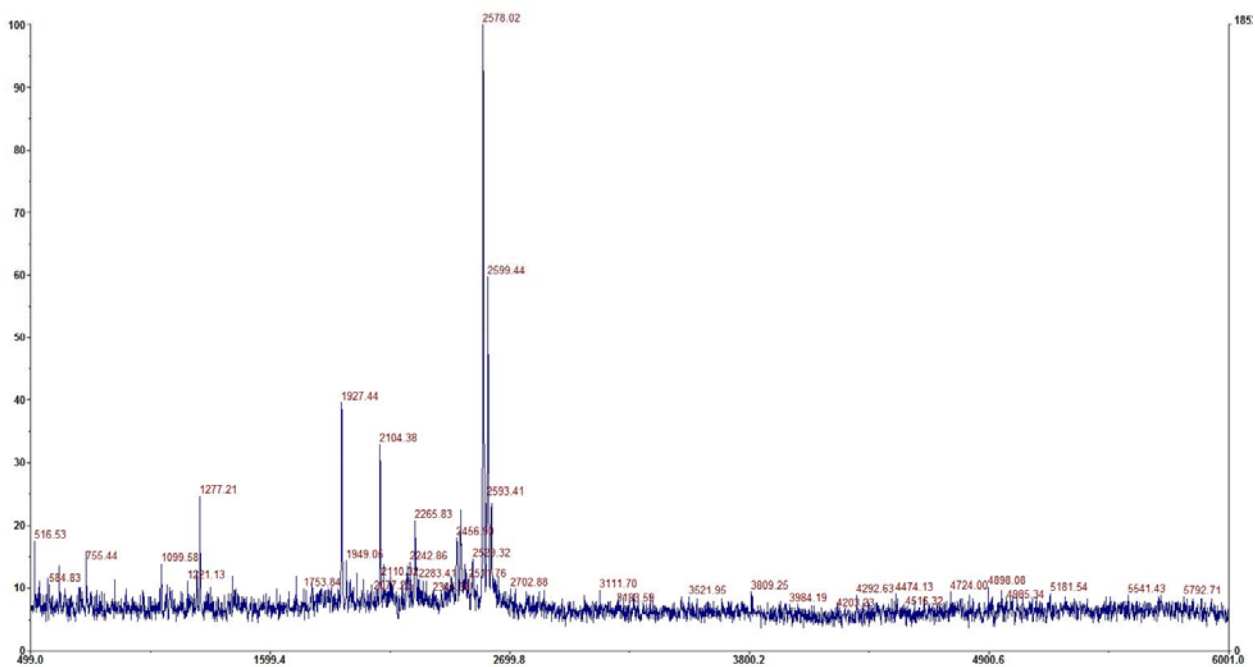
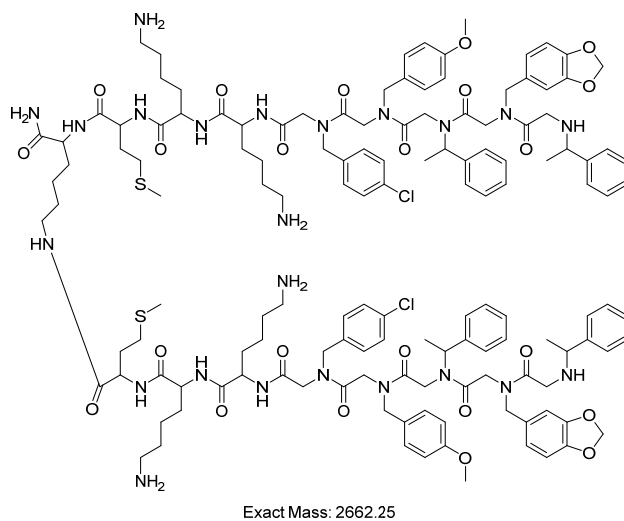


Figure S21: (A) Chemical structure of Compound 21, (B) MALDI-TOF spectrum of crude Compound 21.

(A)



(B)

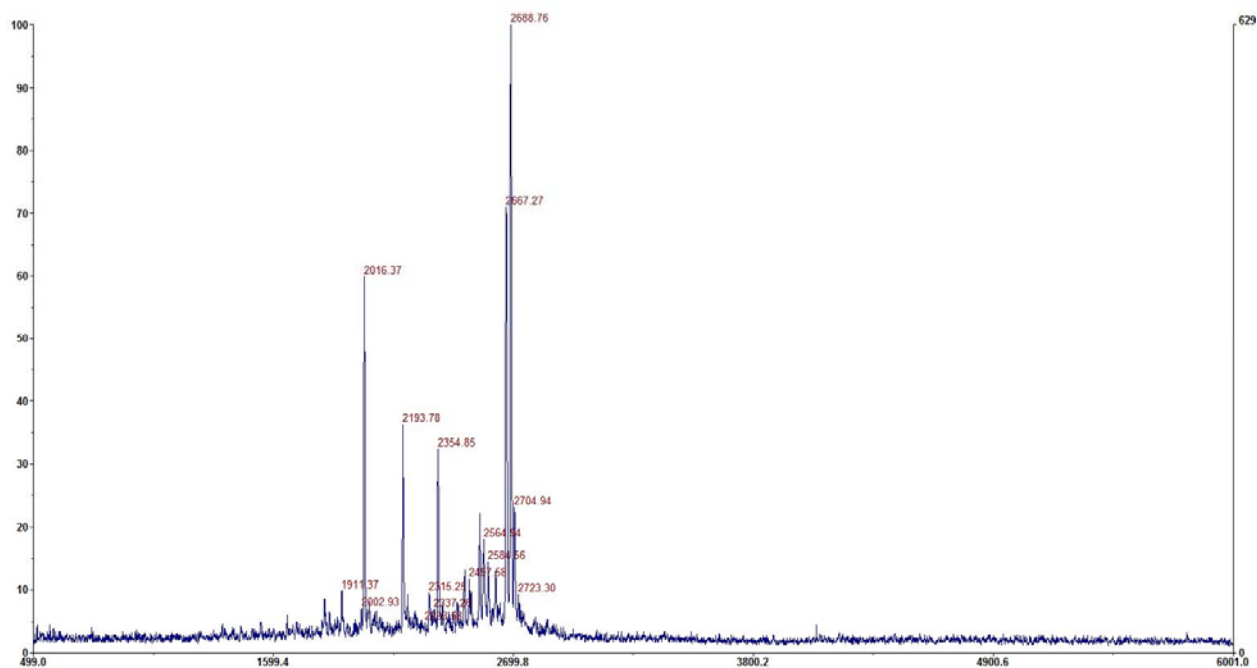
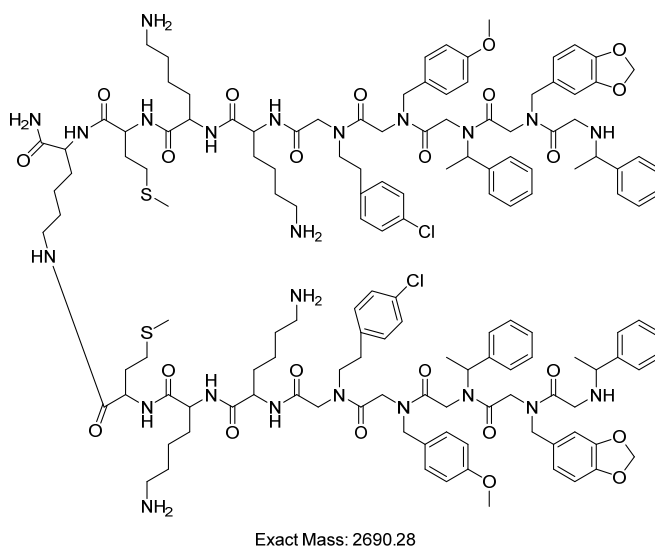


Figure S22: (A) Chemical structure of Compound 22, (B) MALDI-TOF spectrum of crude Compound 22.

(A)



(B)

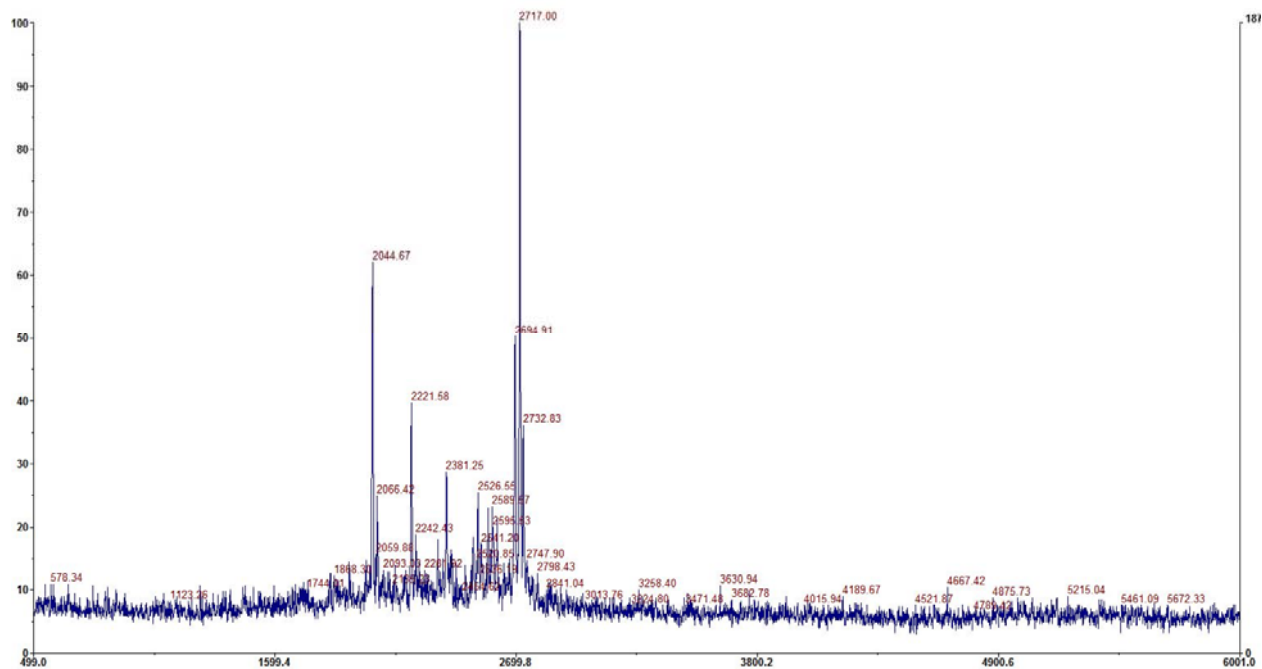
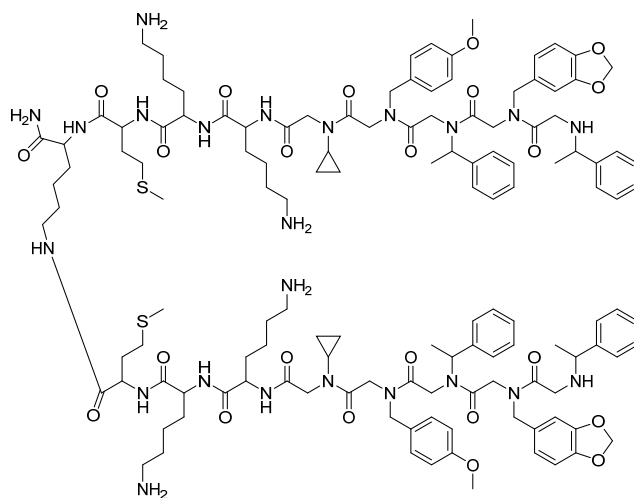


Figure S23: (A) Chemical structure of Compound 23, (B) MALDI-TOF spectrum of crude Compound 23.

(A)



Exact Mass: 2494.30

(B)

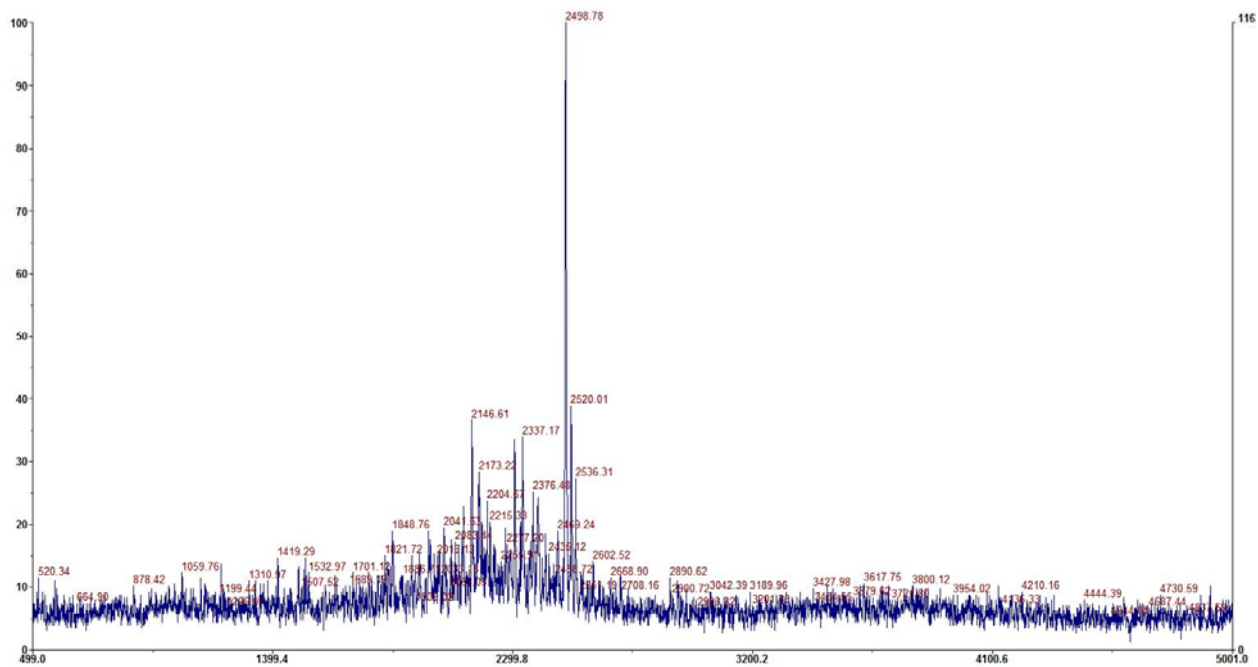
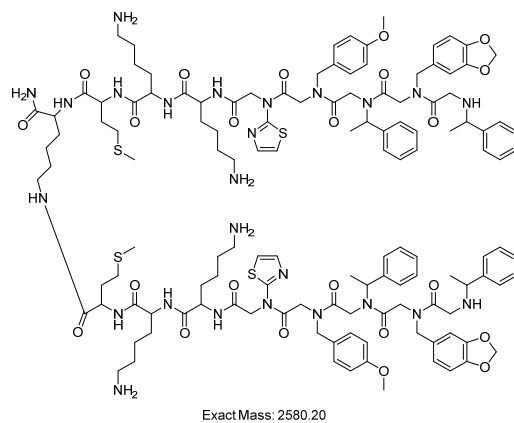


Figure S25: (A) Chemical structure of Compound 25, (B) MALDI-TOF spectrum of crude Compound 25.

(A)



(B)

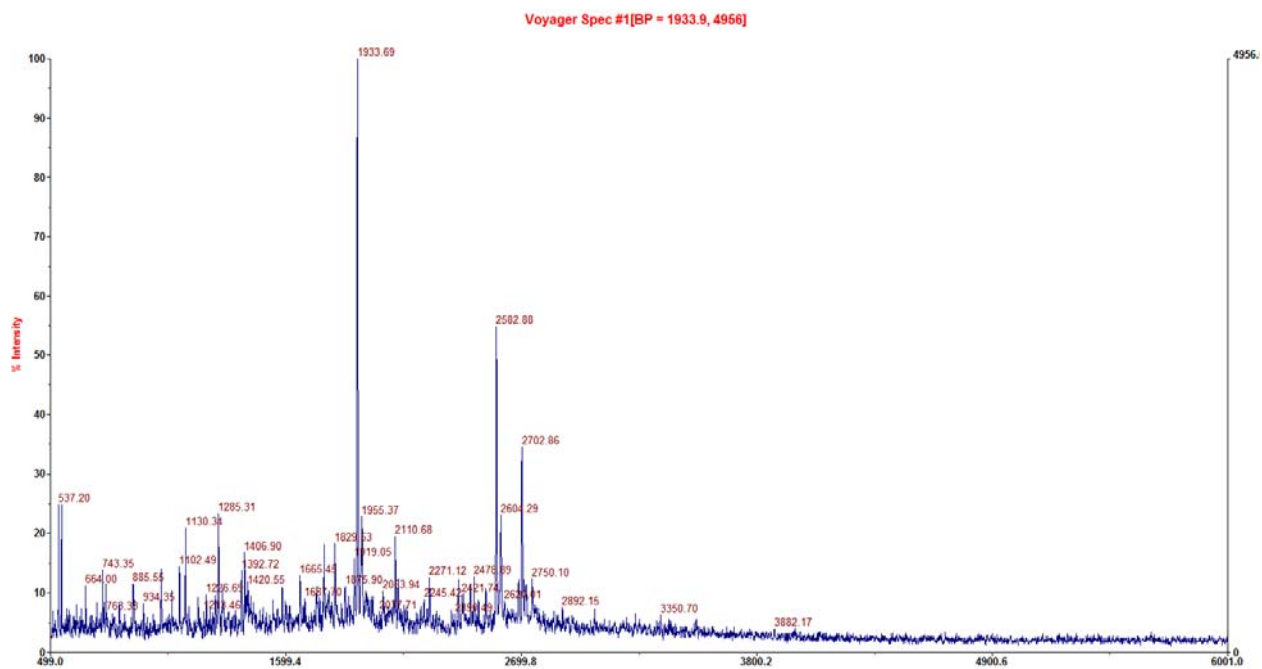
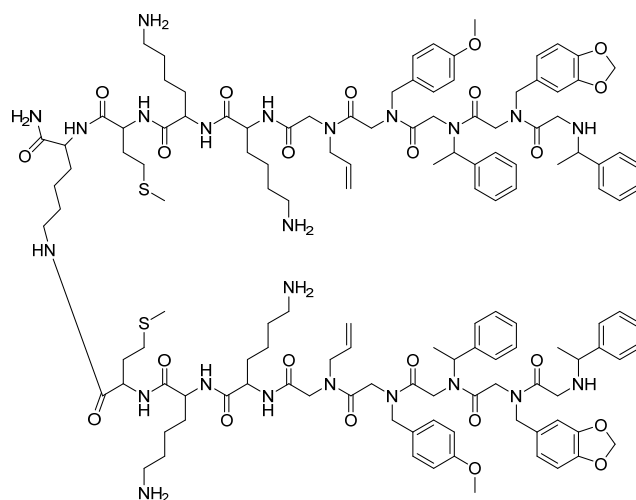


Figure S26: (A) Chemical structure of Compound 26, (B) MALDI-TOF spectrum of crude Compound 26.

(A)



Exact Mass: 2494.30

(B)

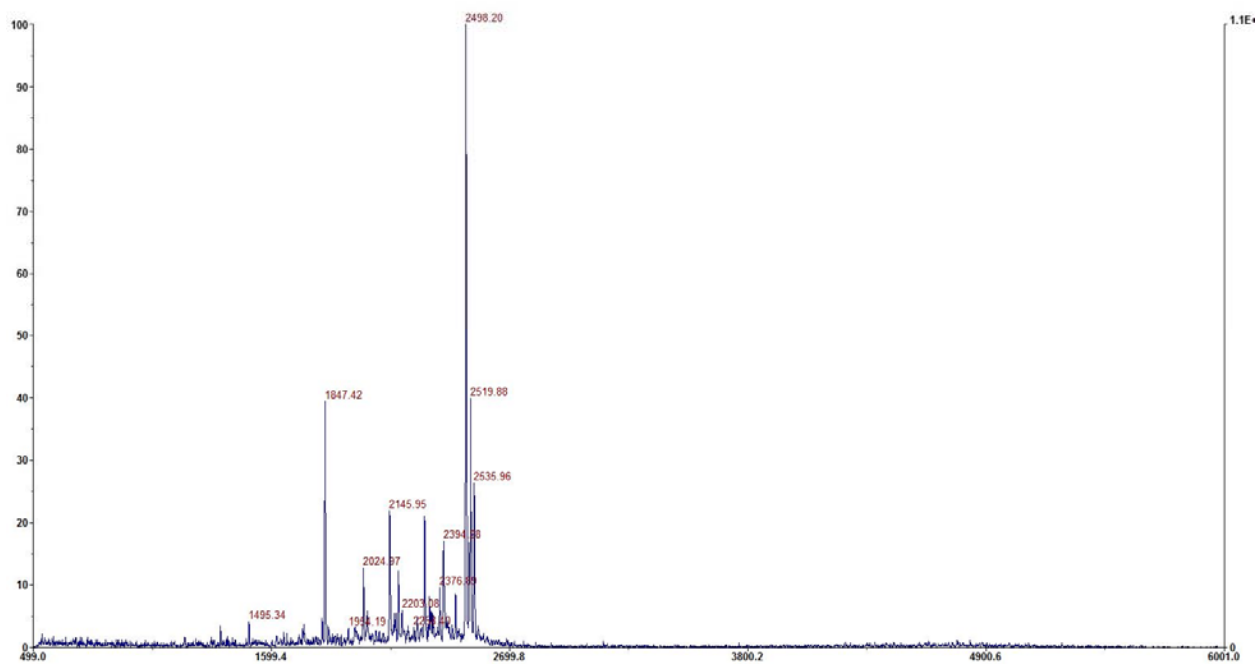
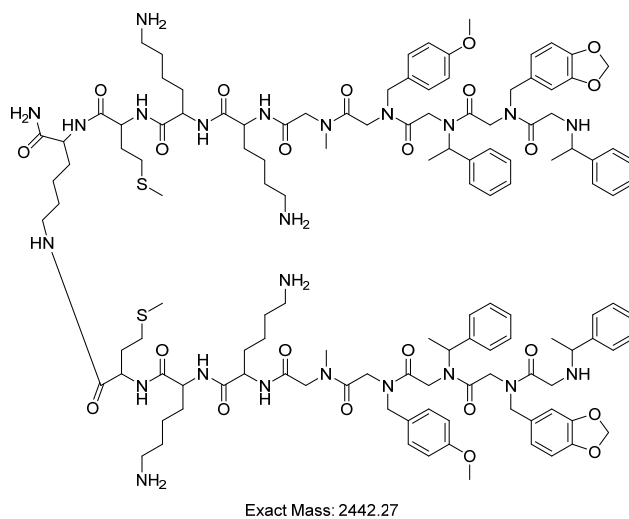


Figure S27: (A) Chemical structure of Compound 27, (B) MALDI-TOF spectrum of crude Compound 27.

(A)



(B)

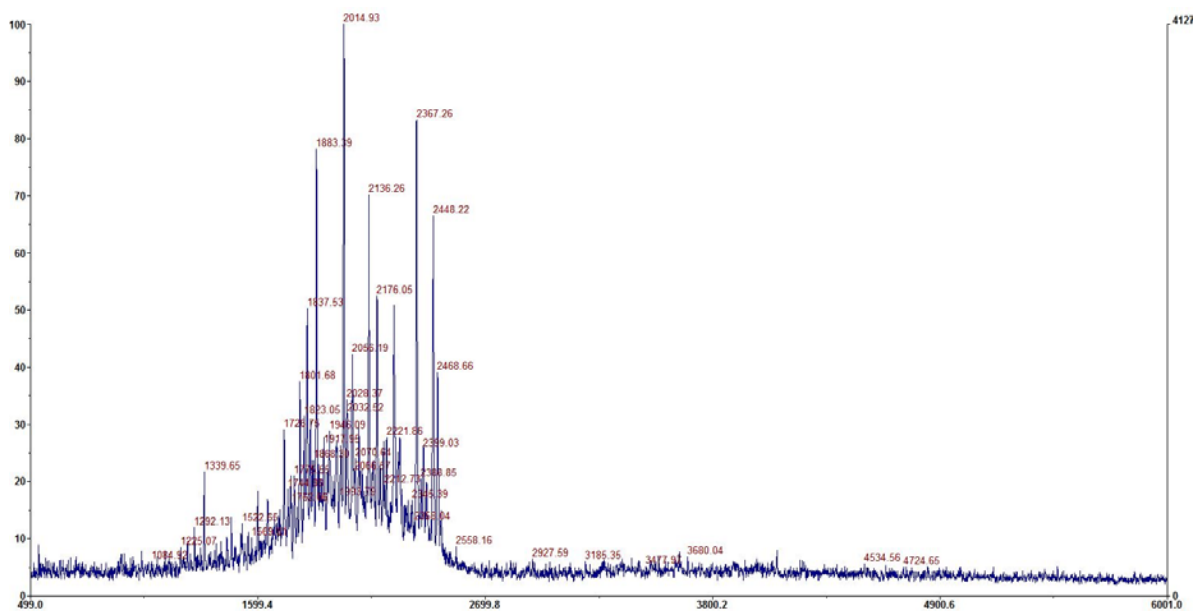
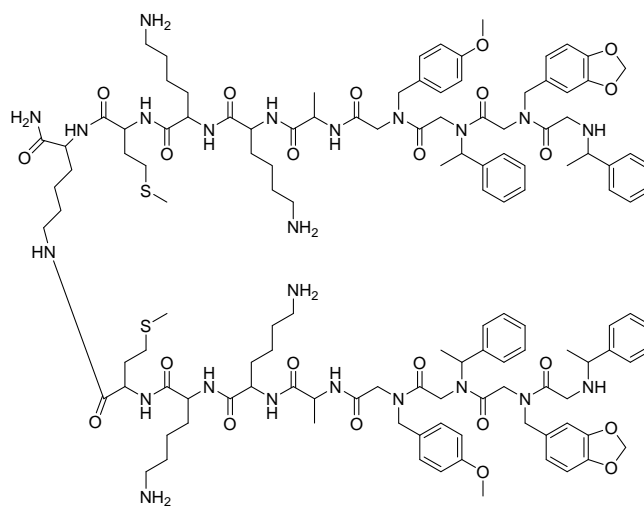


Figure S30: (A) Chemical structure of Compound 30, (B) MALDI-TOF spectrum of crude Compound 30.

(A)



Exact Mass: 2442.27

(B)

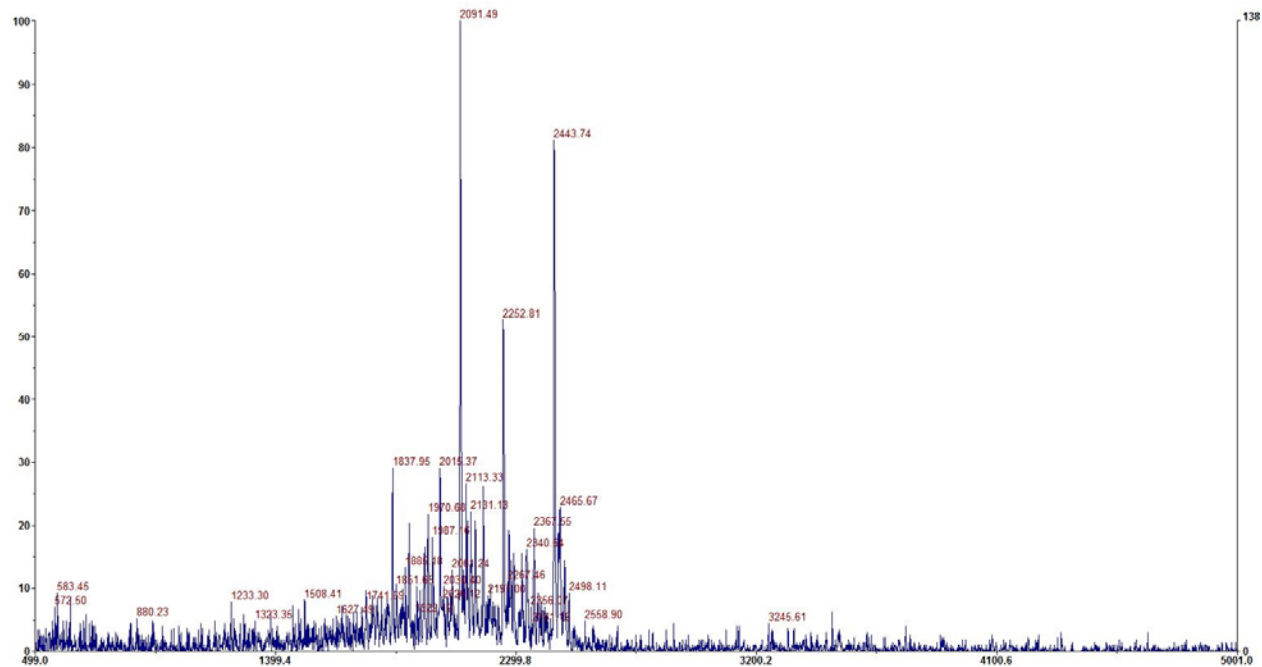
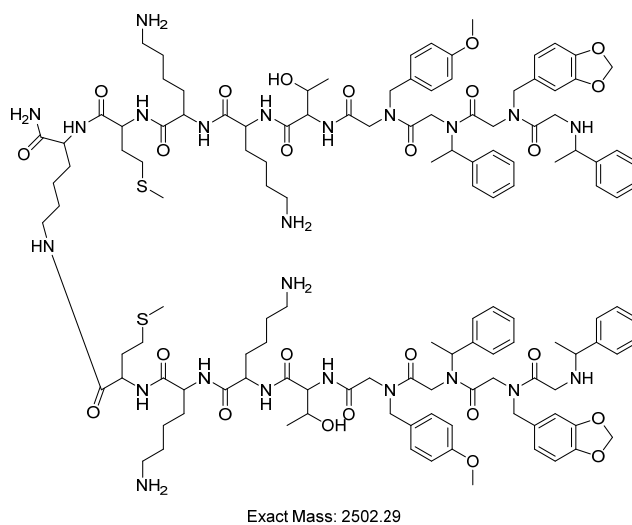


Figure S31: (A) Chemical structure of Compound 31, (B) MALDI-TOF spectrum of crude Compound 31.

(A)



(B)

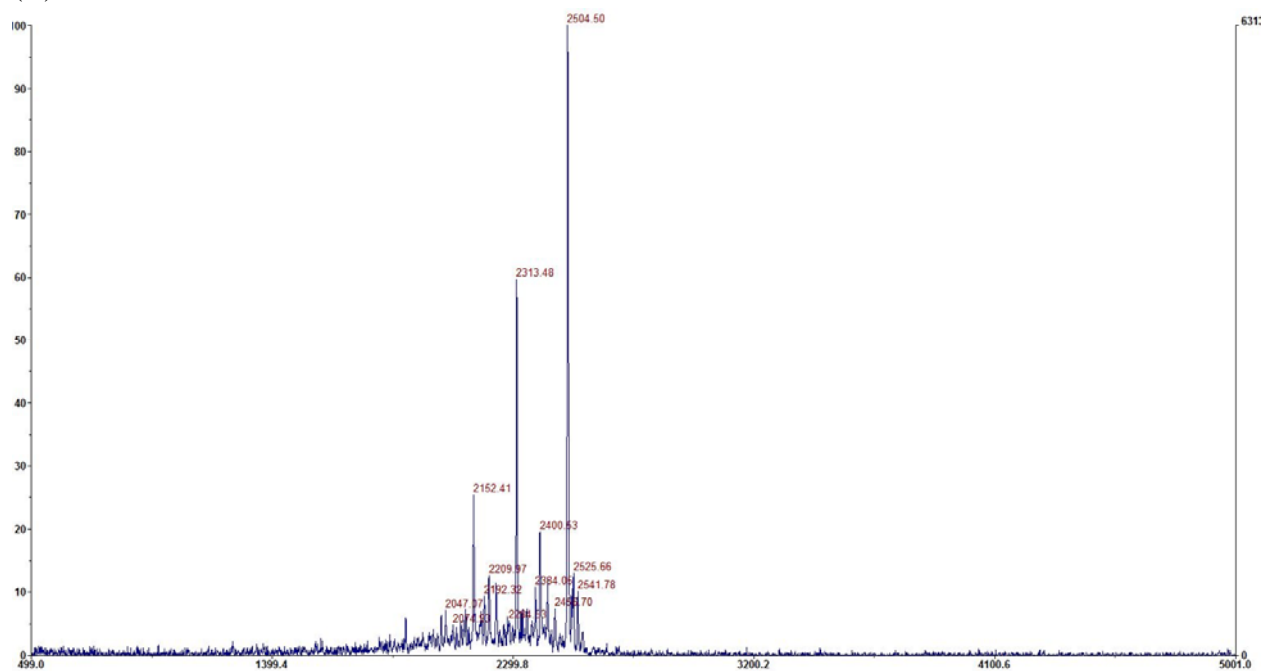
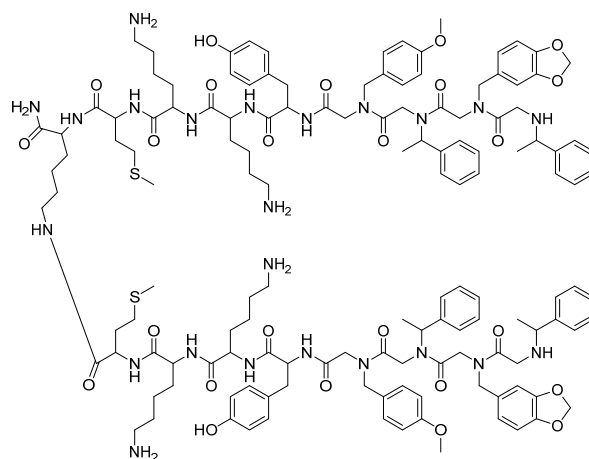


Figure S32: (A) Chemical structure of Compound 32, (B) MALDI-TOF spectrum of crude Compound 32.

(A)



Exact Mass: 2626.32

(B)

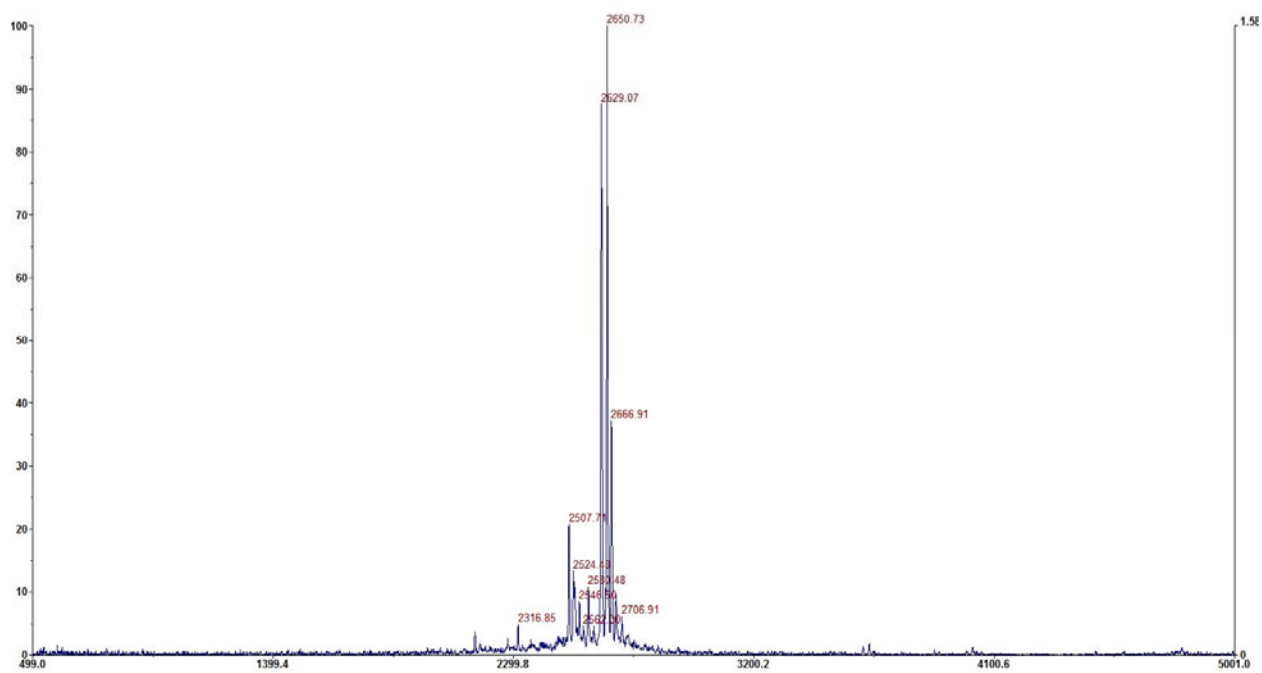
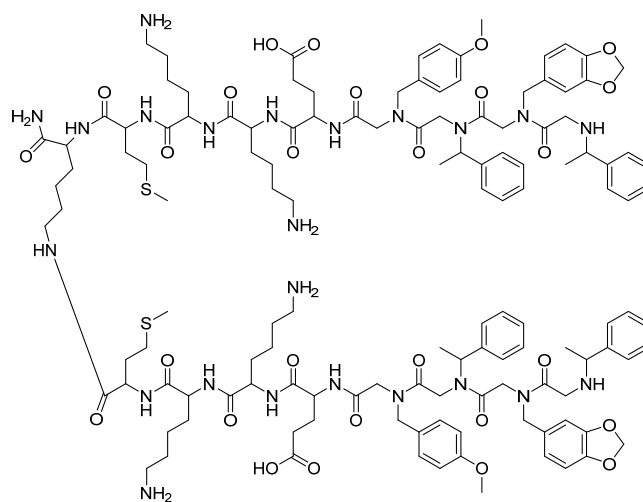


Figure S33: (A) Chemical structure of Compound 33, (B) MALDI-TOF spectrum of crude Compound 33.

(A)



Exact Mass: 2558.28

(B)

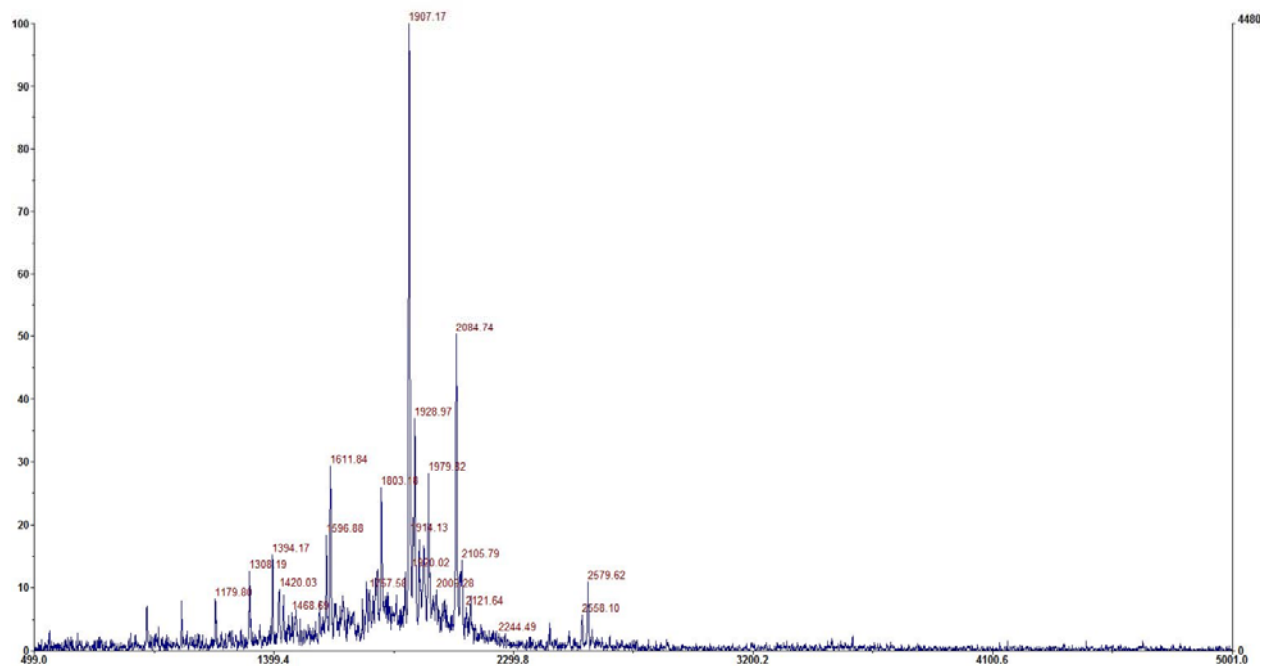
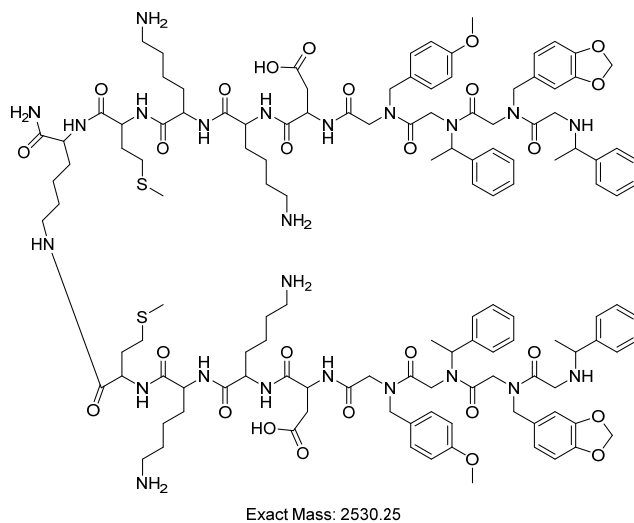


Figure S34: (A) Chemical structure of Compound 34, (B) MALDI-TOF spectrum of crude Compound 34.

(A)



(B)

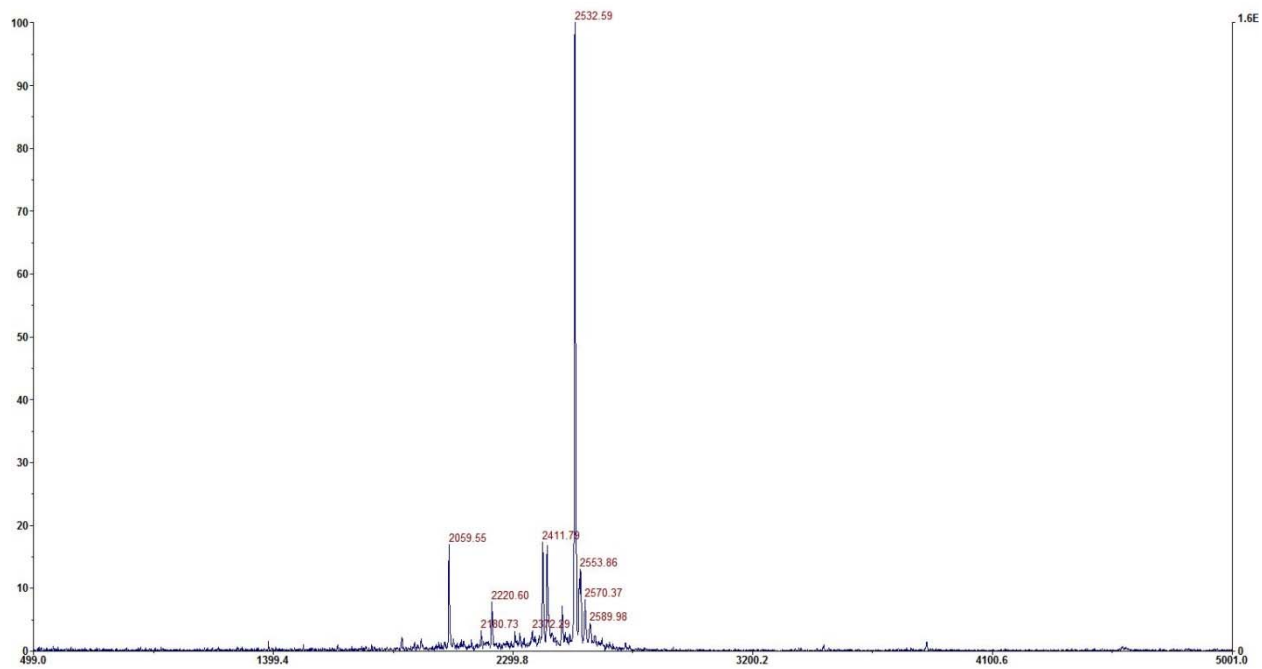
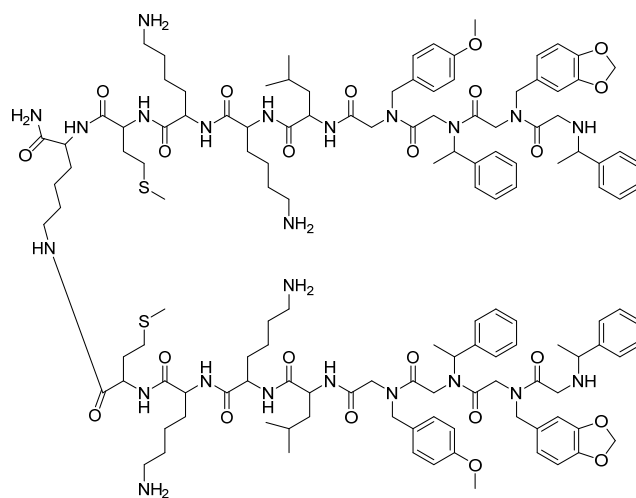


Figure S35: (A) Chemical structure of Compound 35, (B) MALDI-TOF spectrum of crude Compound 35.

(A)



Exact Mass: 2526.36

(B)

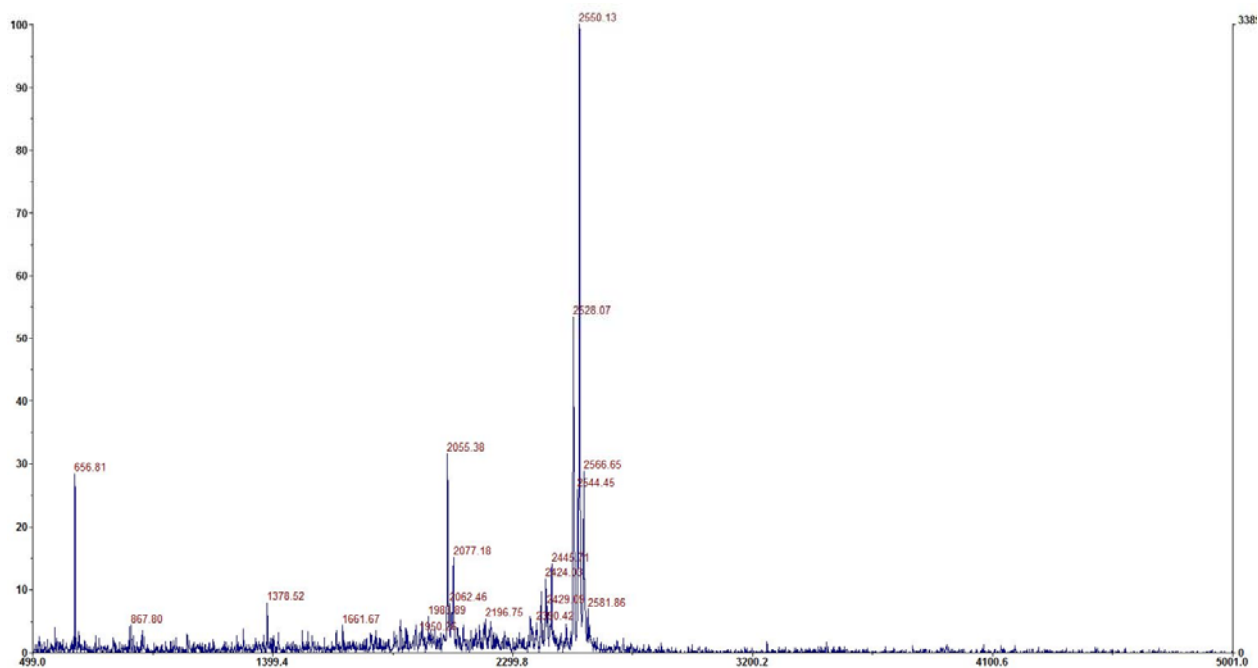
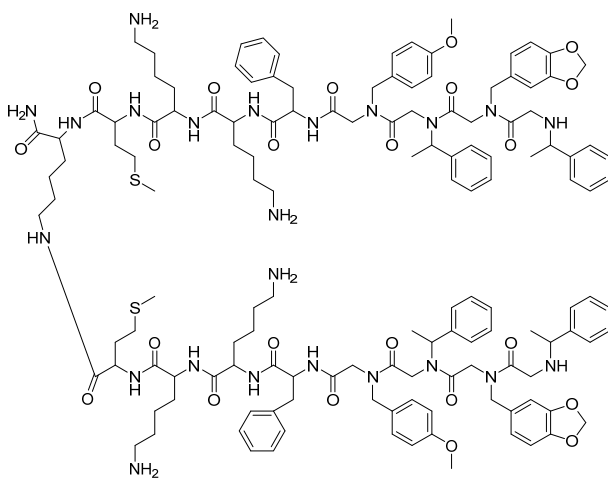


Figure S36: (A) Chemical structure of Compound 36, (B) MALDI-TOF spectrum of crude Compound 36.

(A)



Exact Mass: 2594.33

(B)

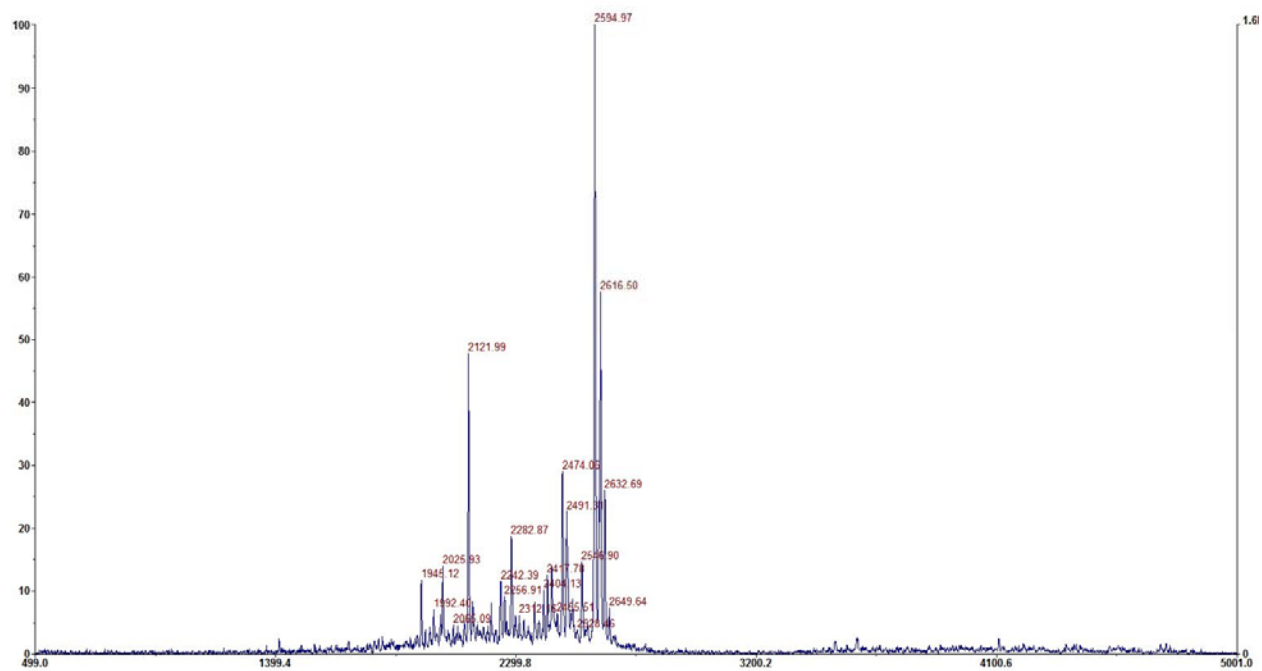
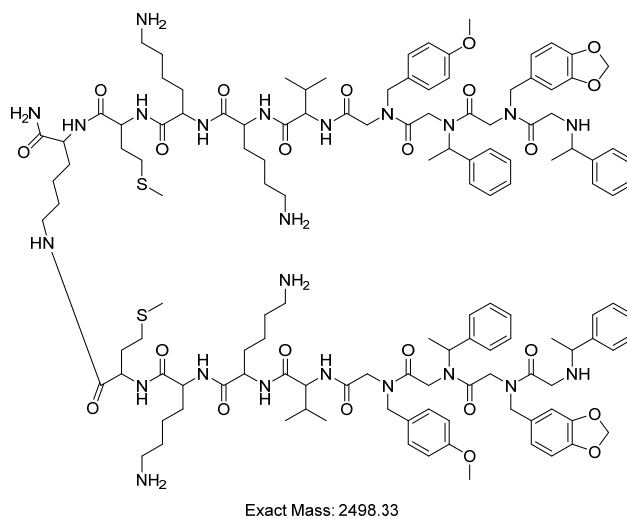


Figure S37: (A) Chemical structure of Compound 37, (B) MALDI-TOF spectrum of crude Compound 37.

(A)



(B)

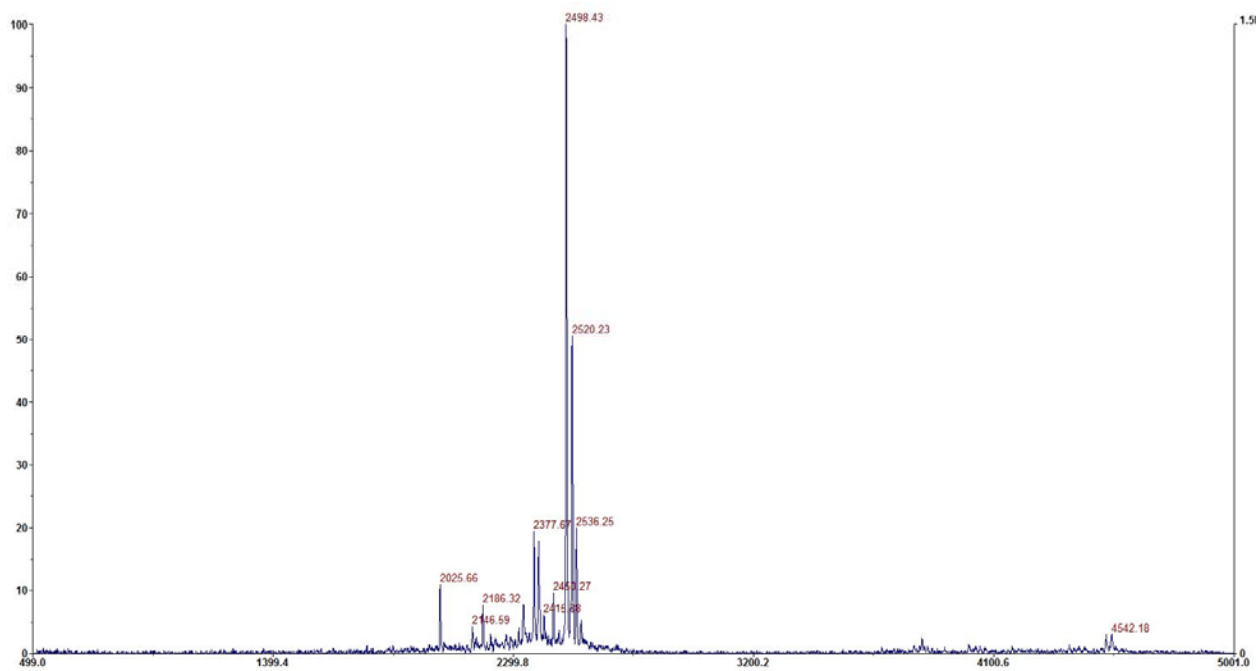
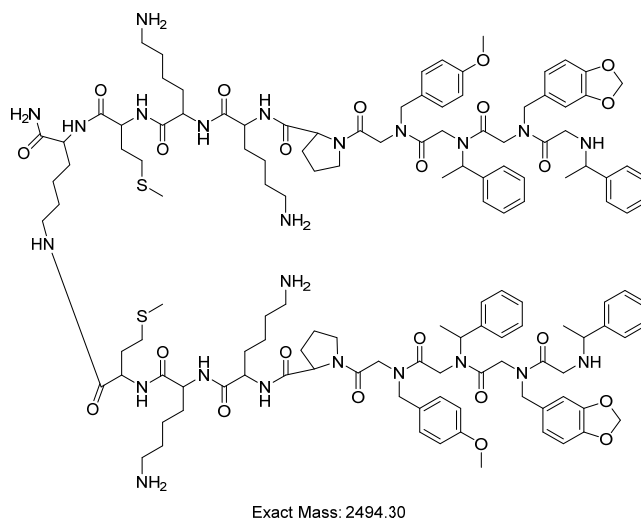


Figure S38: (A) Chemical structure of Compound 38, (B) MALDI-TOF spectrum of crude Compound 38.

(A)



(B)

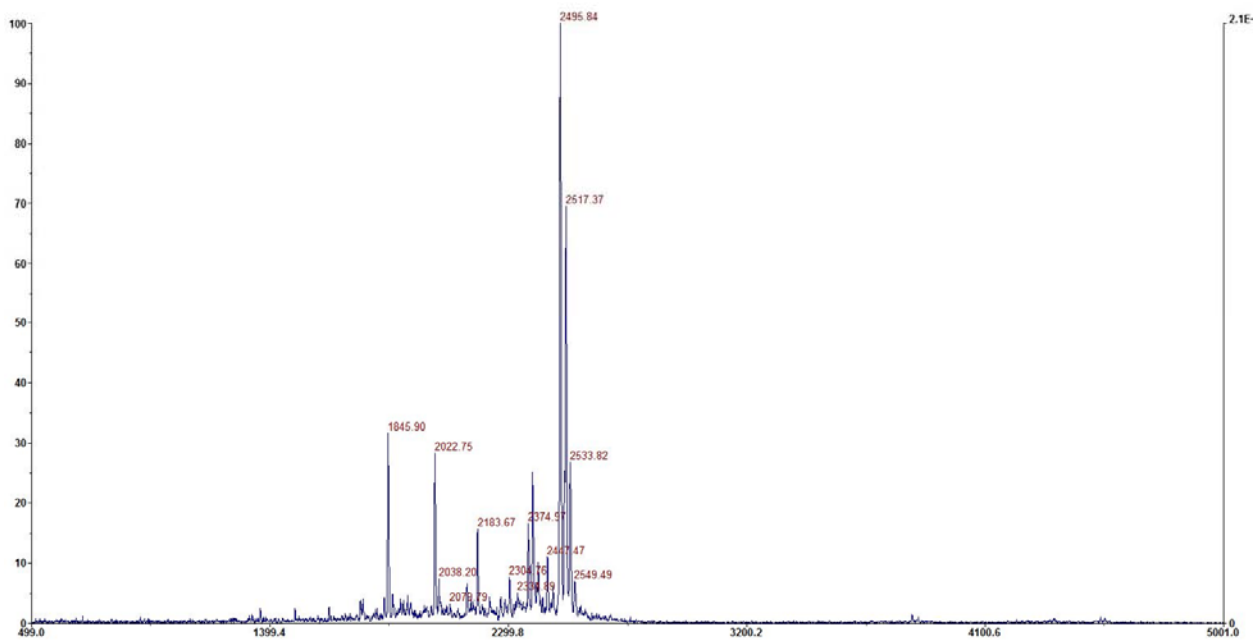
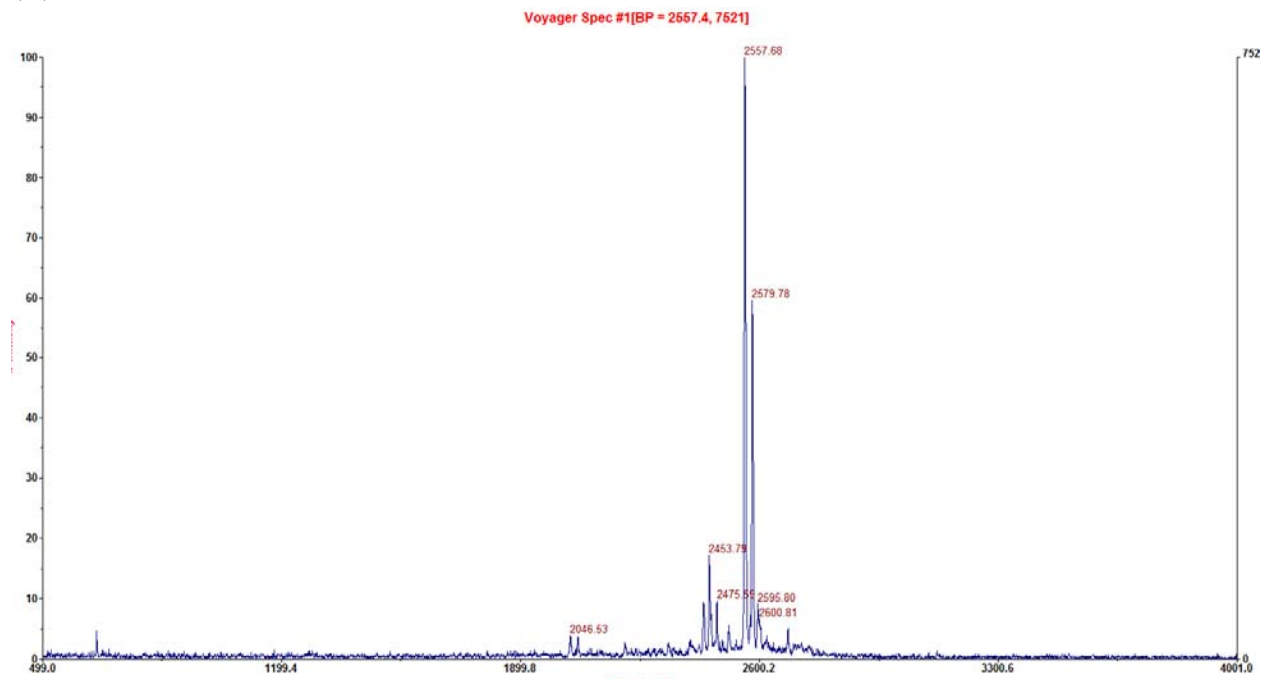


Figure S39: (A) Chemical structure of Compound 39, (B) MALDI-TOF spectrum of crude Compound 39.

(C)



(D)

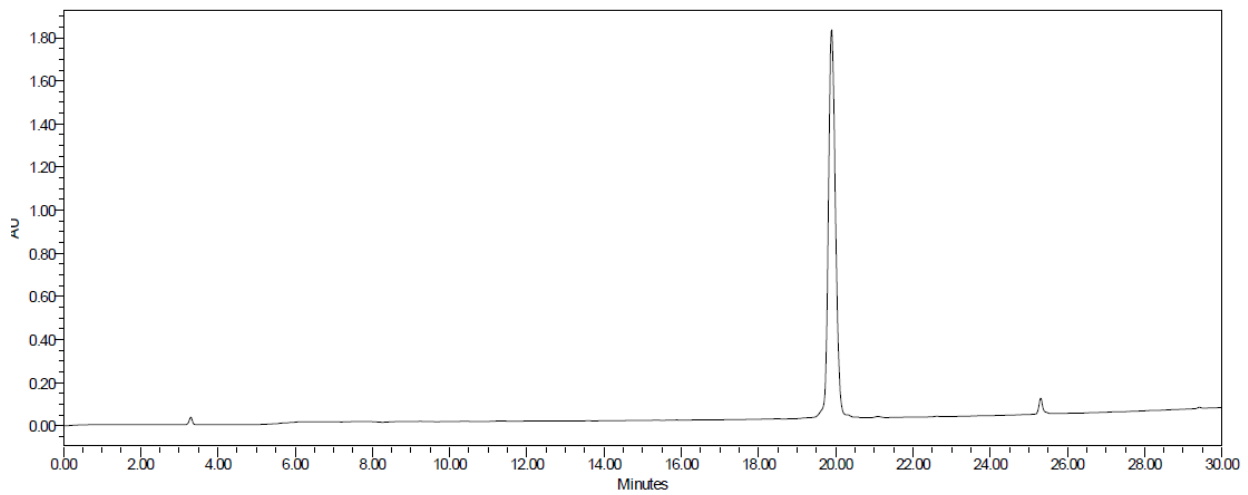
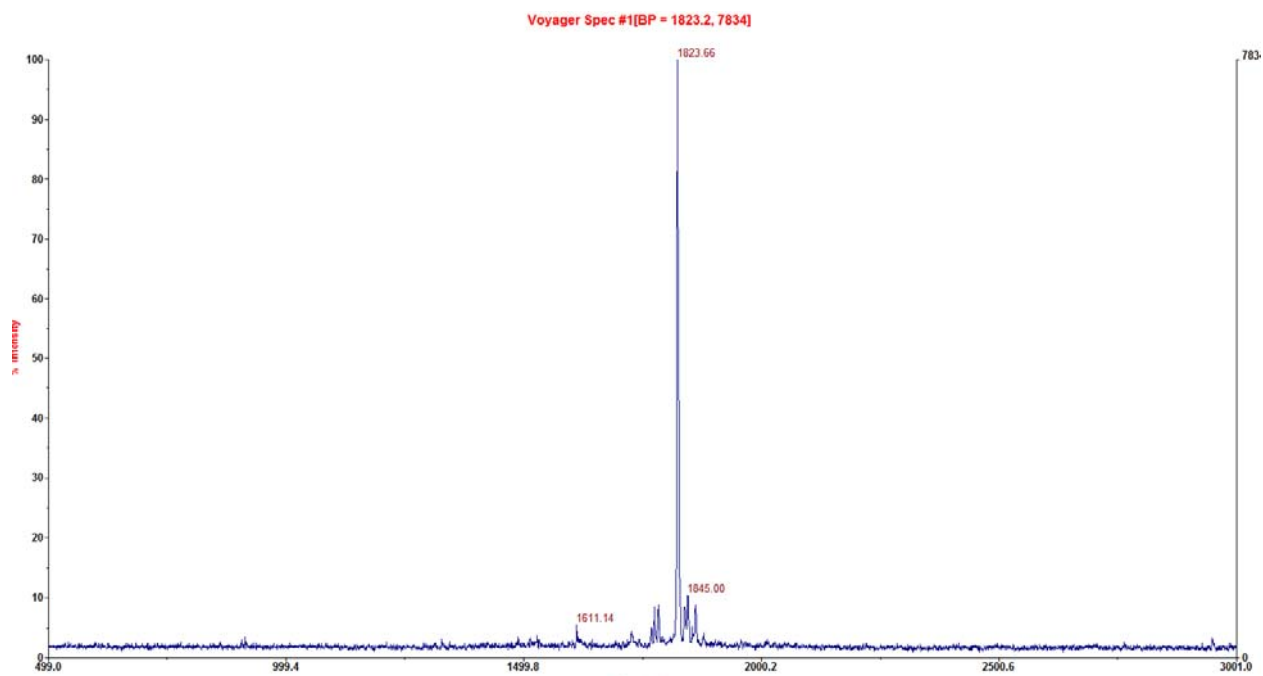


Figure S40: (A) Chemical structure of PPS1D1, (B) MALDI-TOF spectrum of crude PPS1D1 (C) MALDI-TOF spectrum of pure PPS1D1 (D) Analytical HPLC spectra of PPS1D1.



(D)

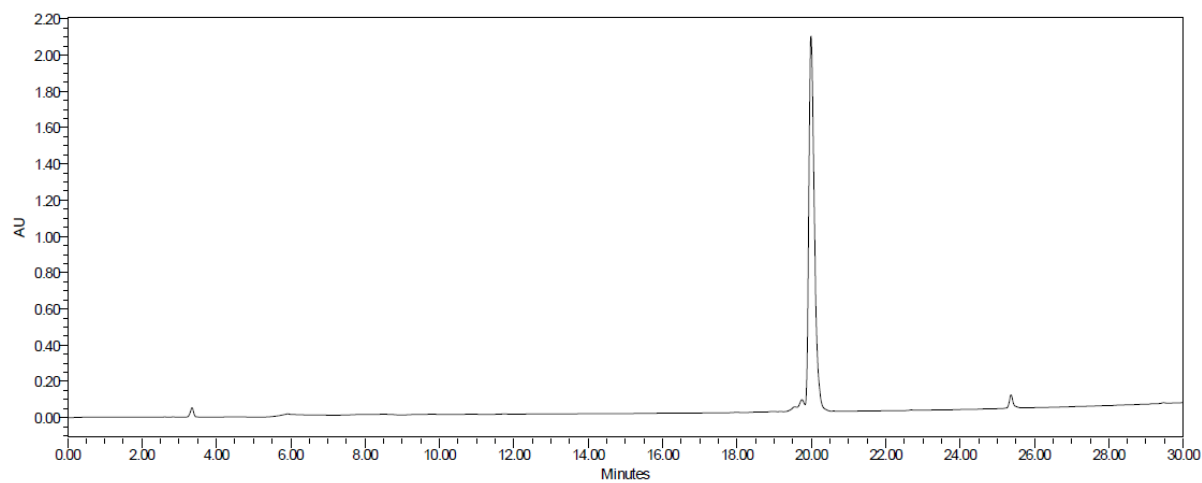
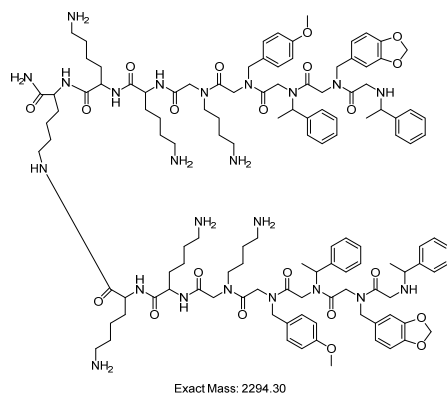
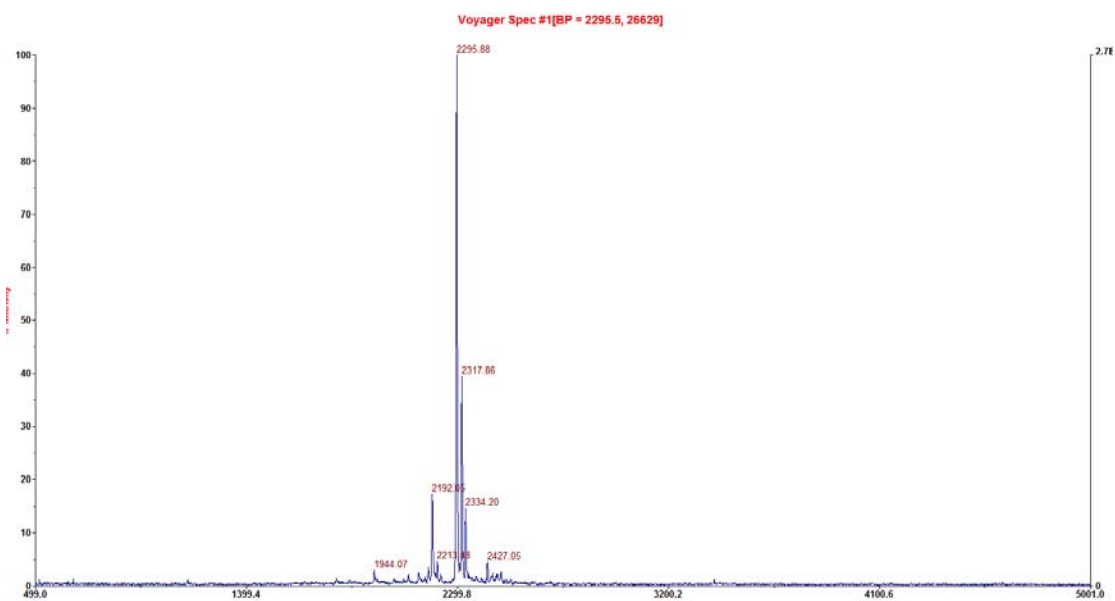


Figure S41: (A) Chemical structure of PC462D1, (B) MALDI-TOF spectrum of crude PC462D1/Cntrl crude (C) MALDI-TOF spectrum of pure PC462D1 (D) Analytical HPLC spectra of PC462D1.

(A)



(B)



(C)

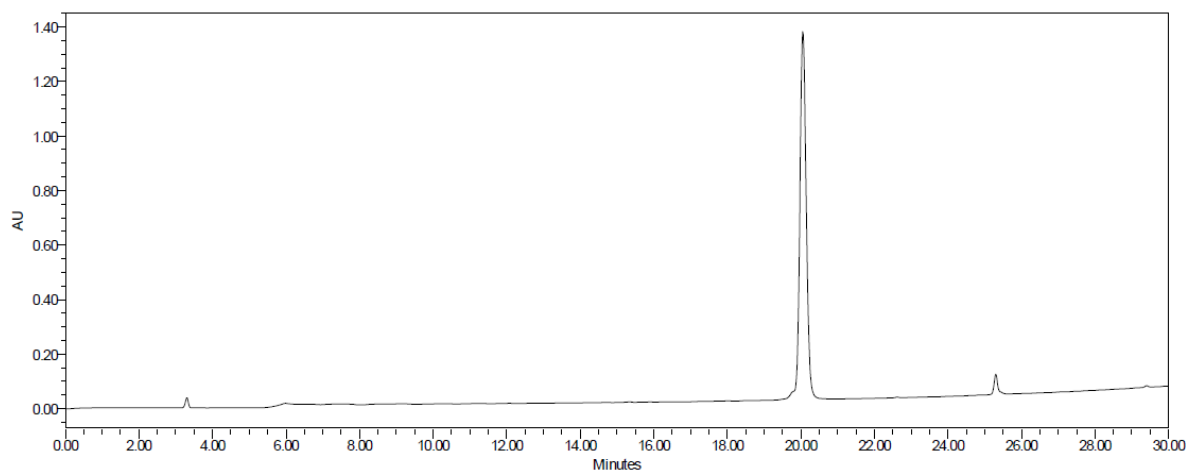
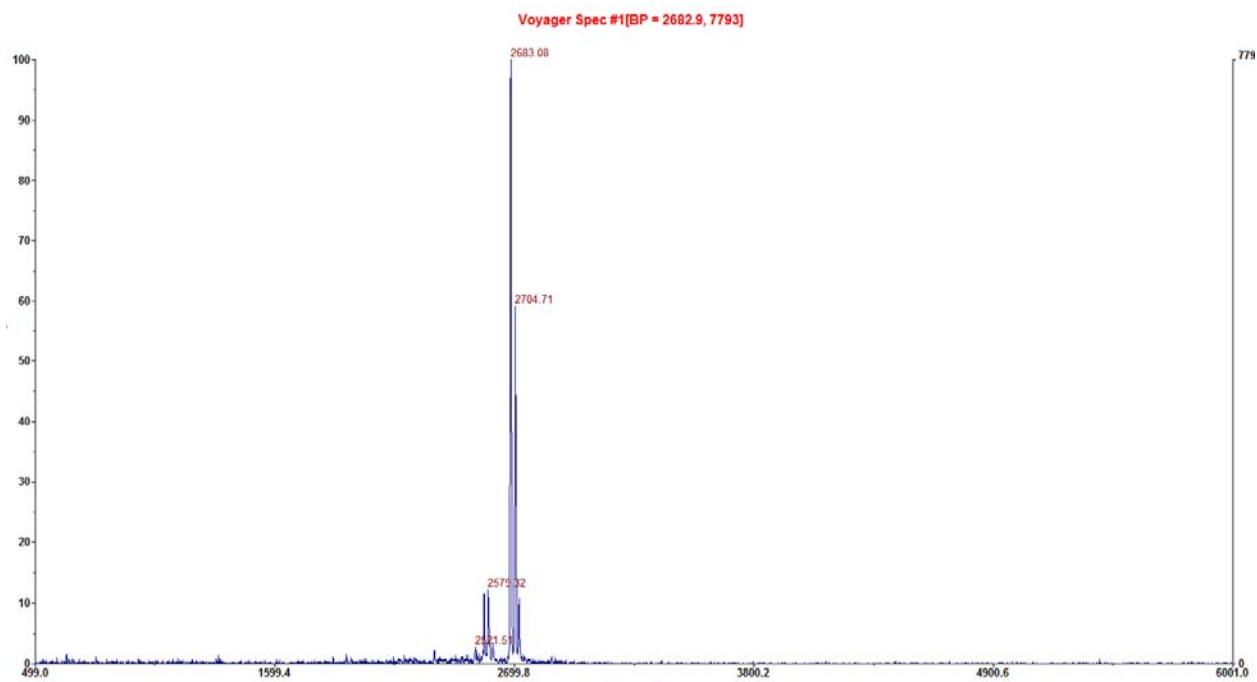


Figure S42: (A) Chemical structure of PPS1D1-M, (B) MALDI-TOF spectrum of PPS1D1-M (C) Analytical HPLC spectra of PPS1D1-M.

(A)



(B)

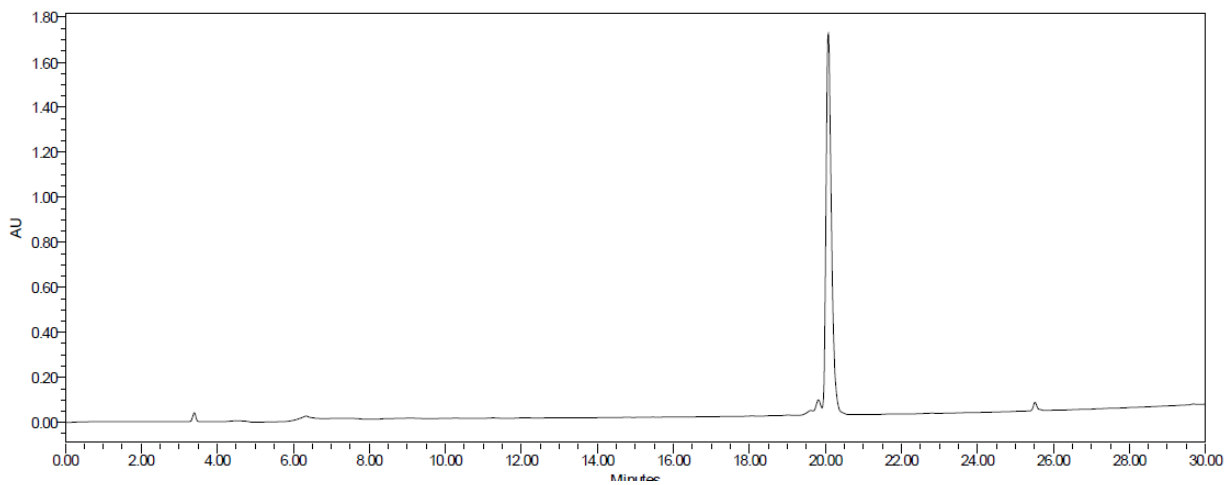
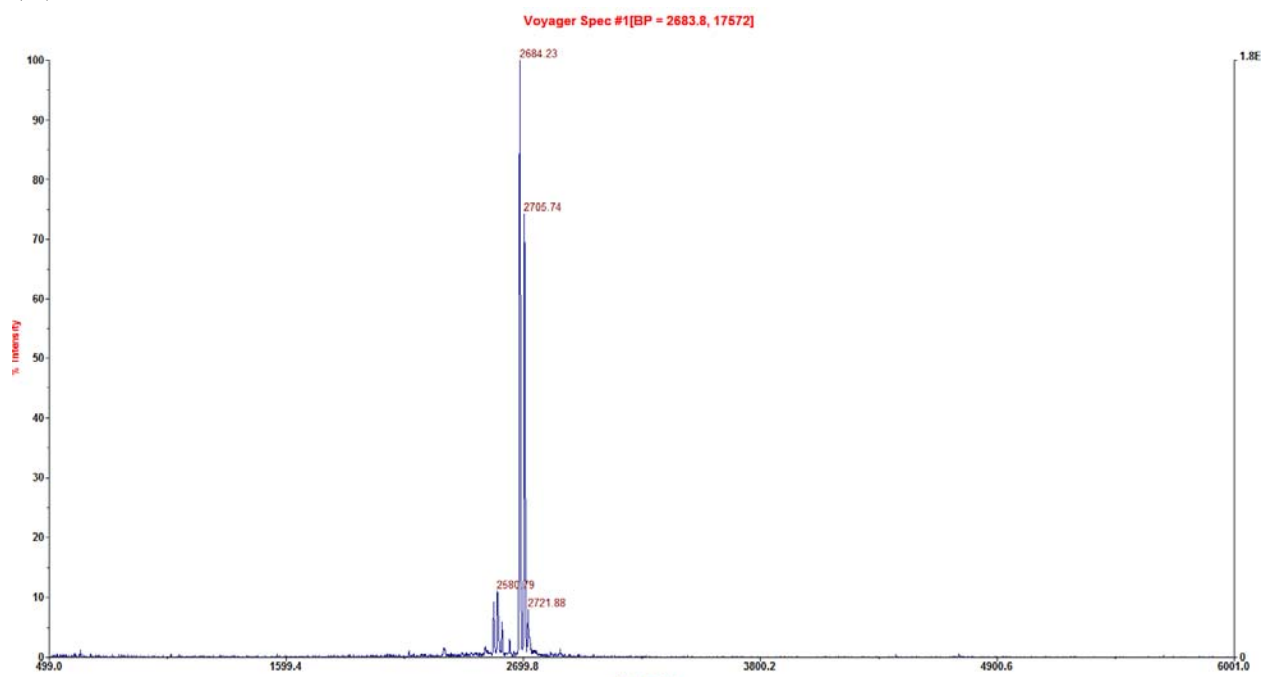


Figure S43: (A) MALDI-TOF spectrum of Compound 1 (B) Analytical HPLC spectra of Compound 1.

(A)



(B)

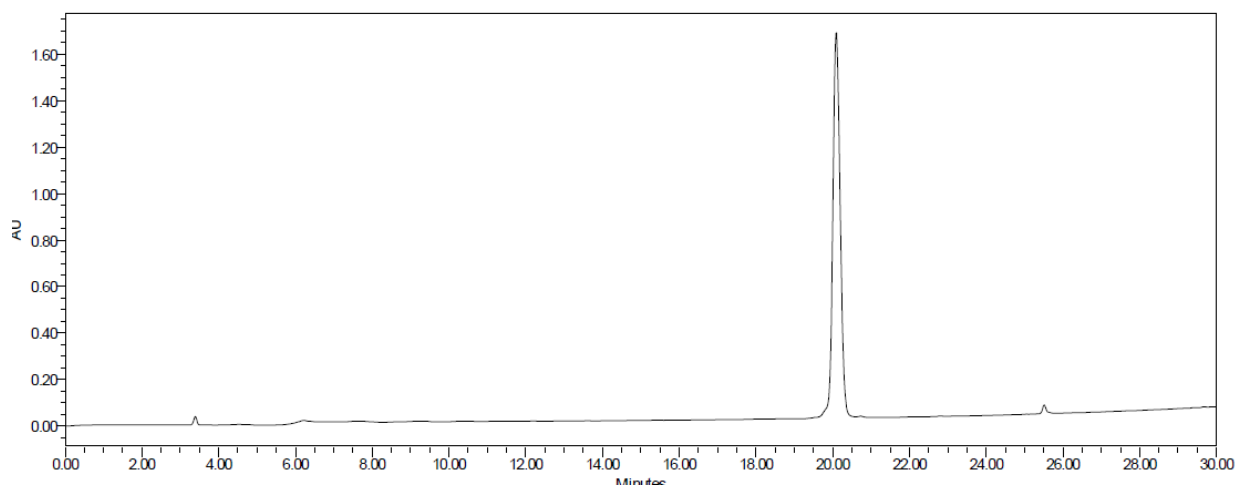


Figure S44: (A) MALDI-TOF spectrum of Compound 3 (B) Analytical HPLC spectra of Compound 3.

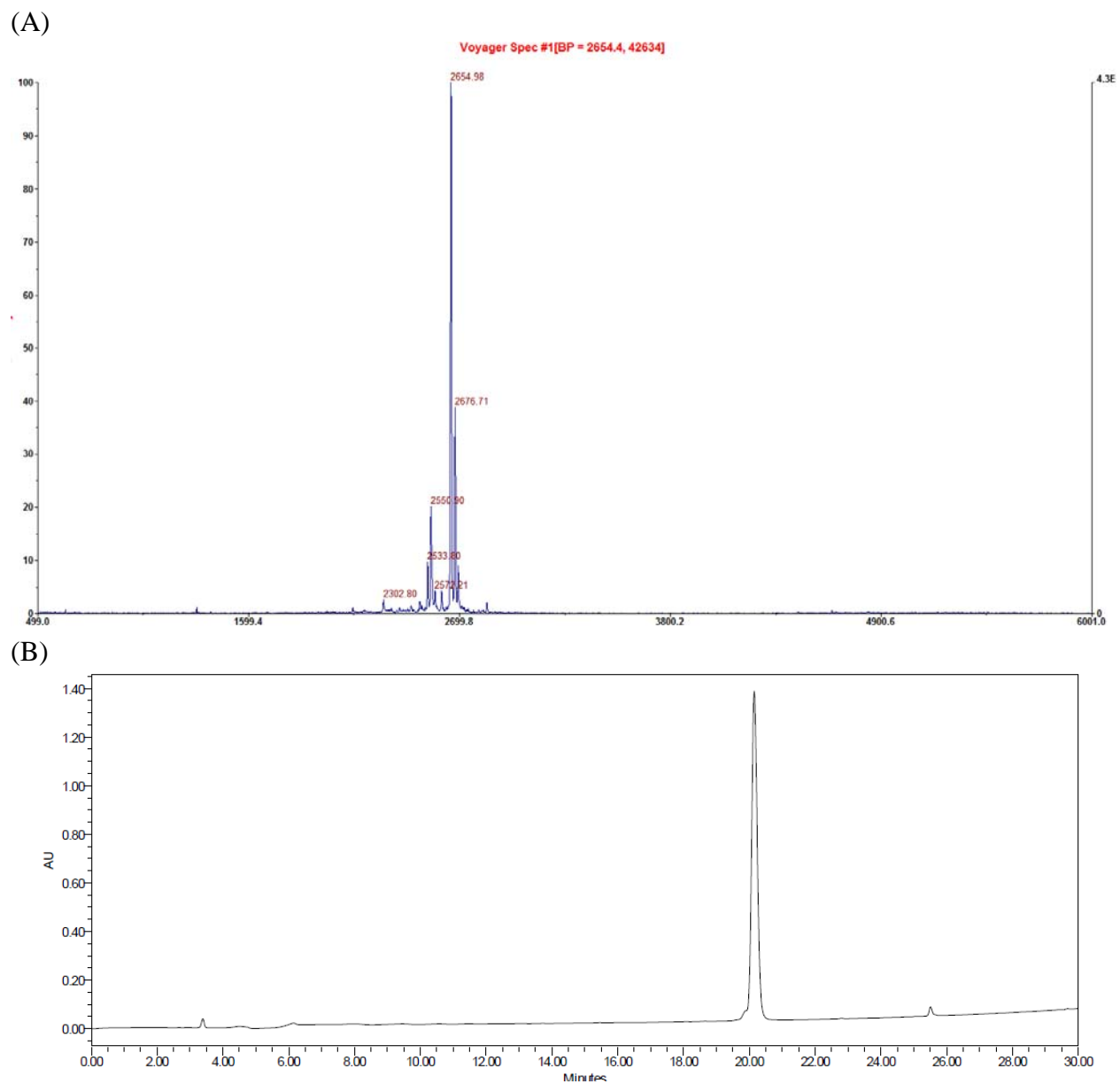
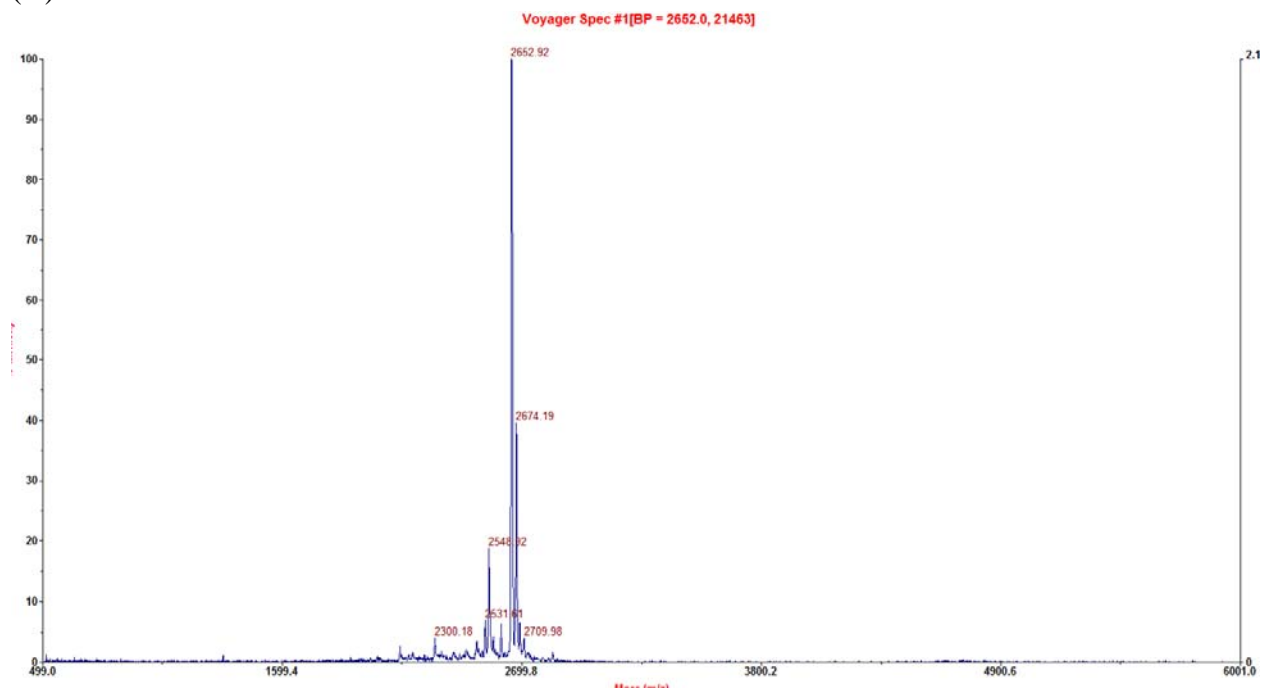


Figure S45: (A) MALDI-TOF spectrum of Compound 6, (B) Analytical HPLC spectra of Compound 6.

(A)



(B)

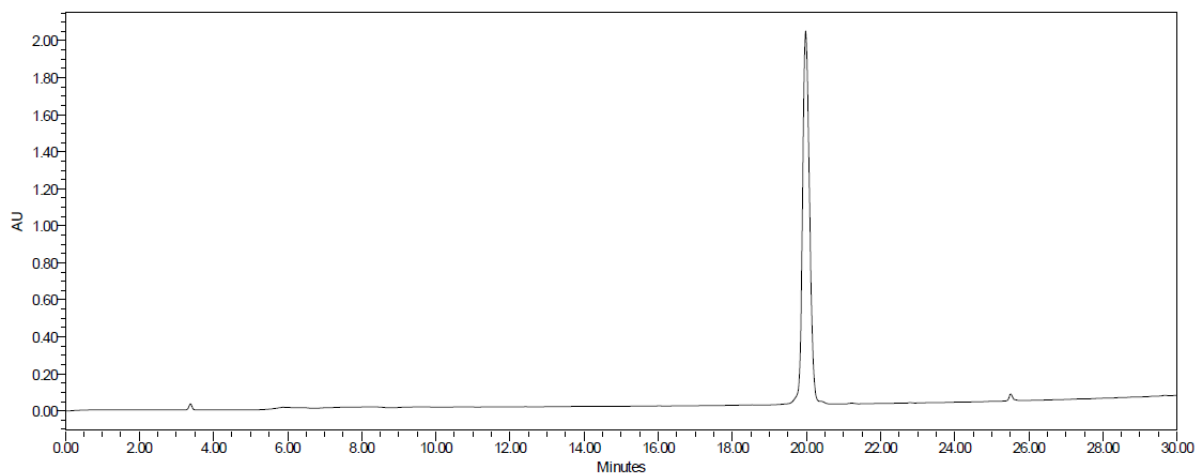
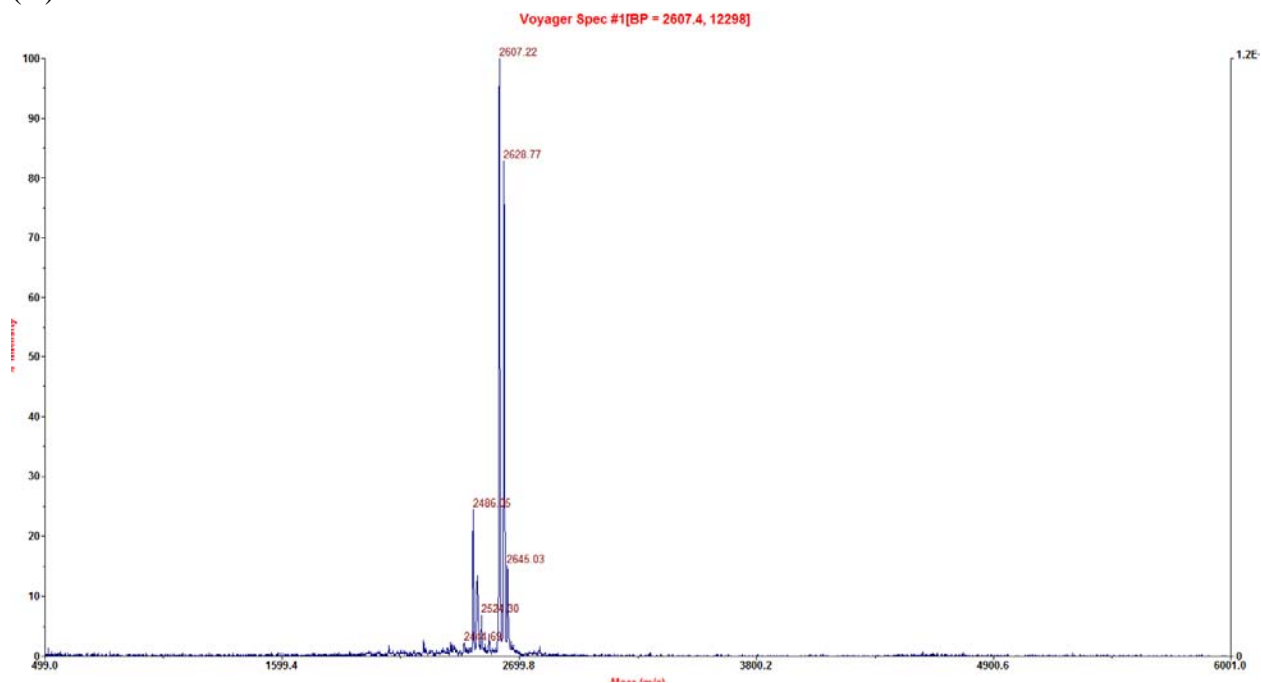


Figure S46: (A) MALDI-TOF spectrum of Compound 11, (B) Analytical HPLC spectra of Compound 11.

(A)



(B)

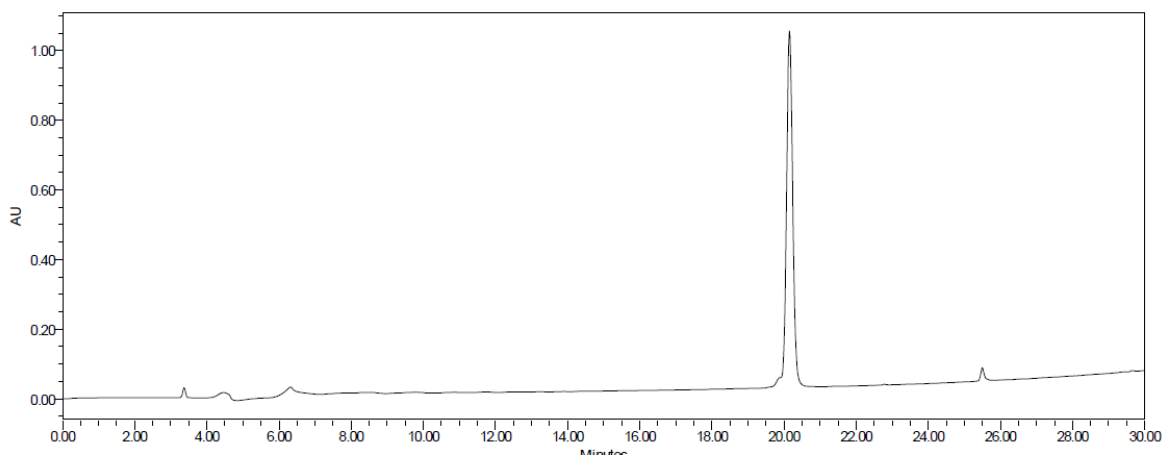
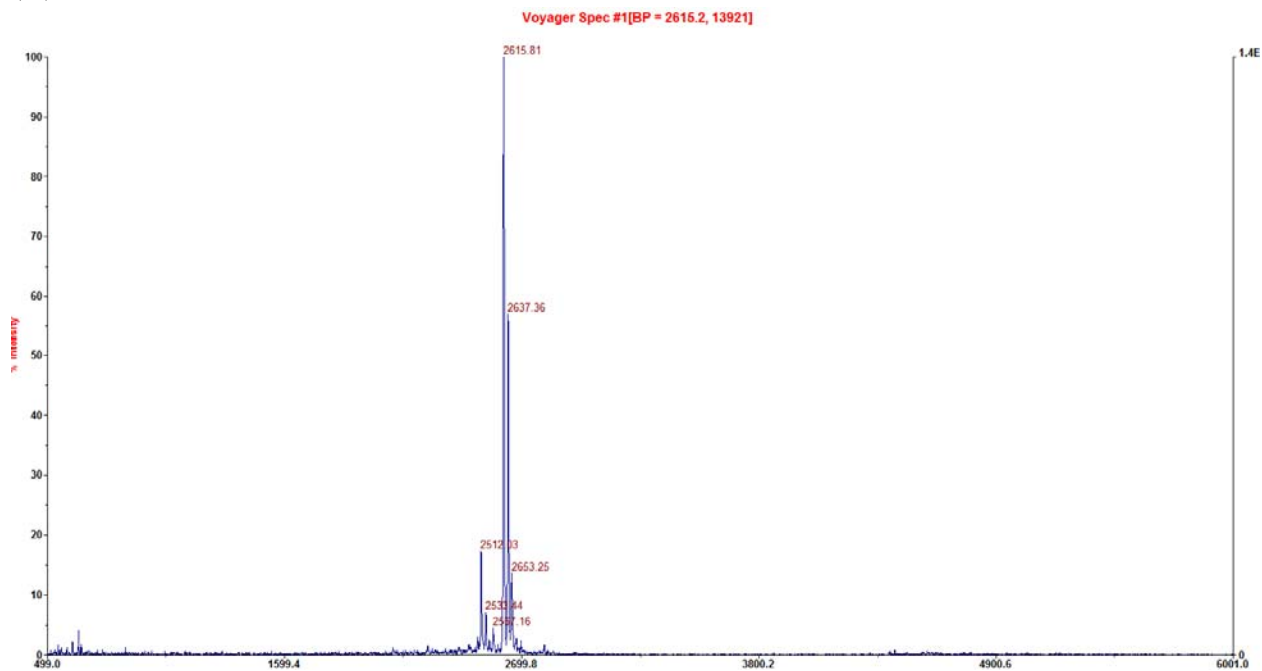


Figure S47: (A) MALDI-TOF spectrum of Compound 12, (B) Analytical HPLC spectra of Compound 12.

(A)



(B)

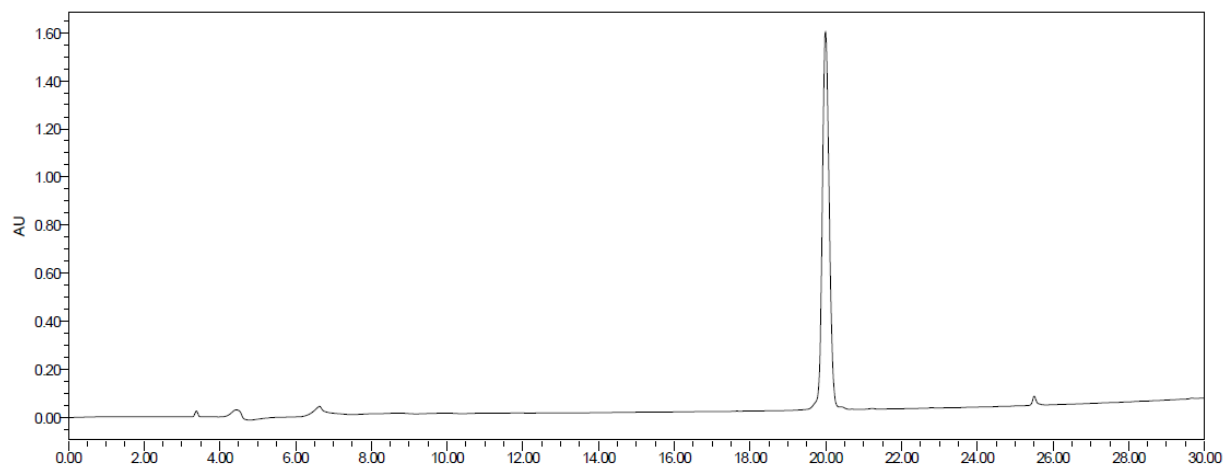
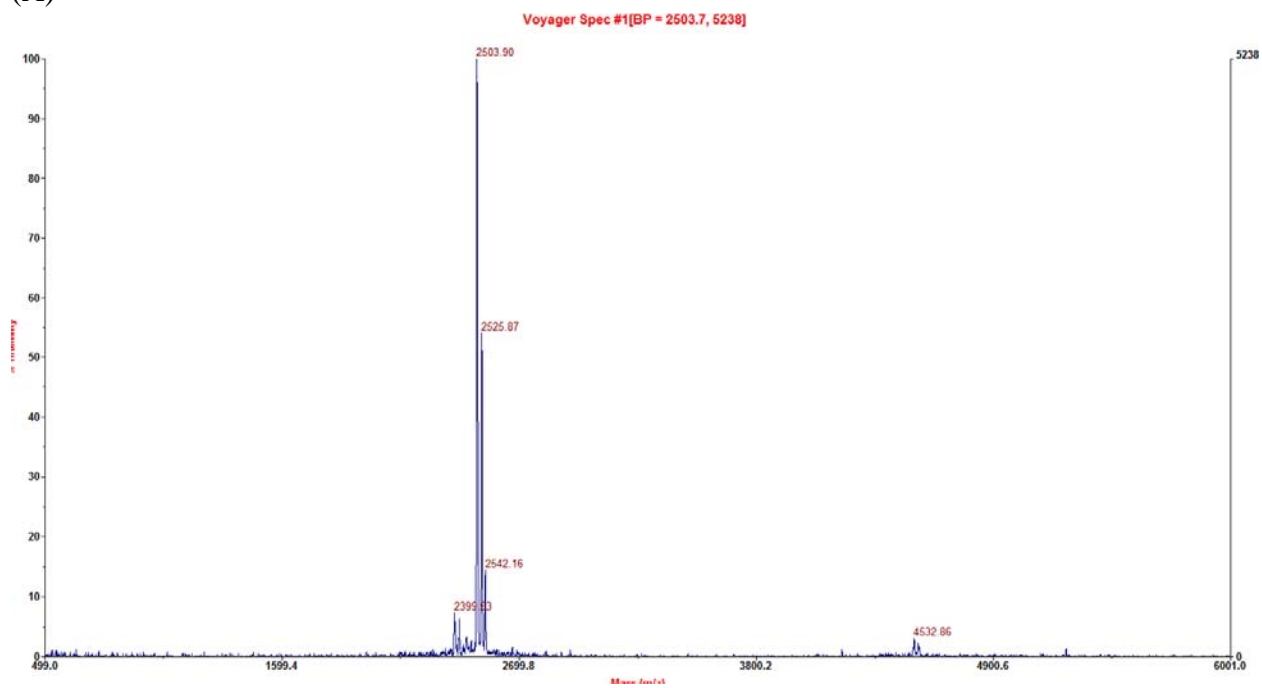


Figure S48: (A) MALDI-TOF spectrum of Compound 24, (B) Analytical HPLC spectra of Compound 24.

(A)



(B)

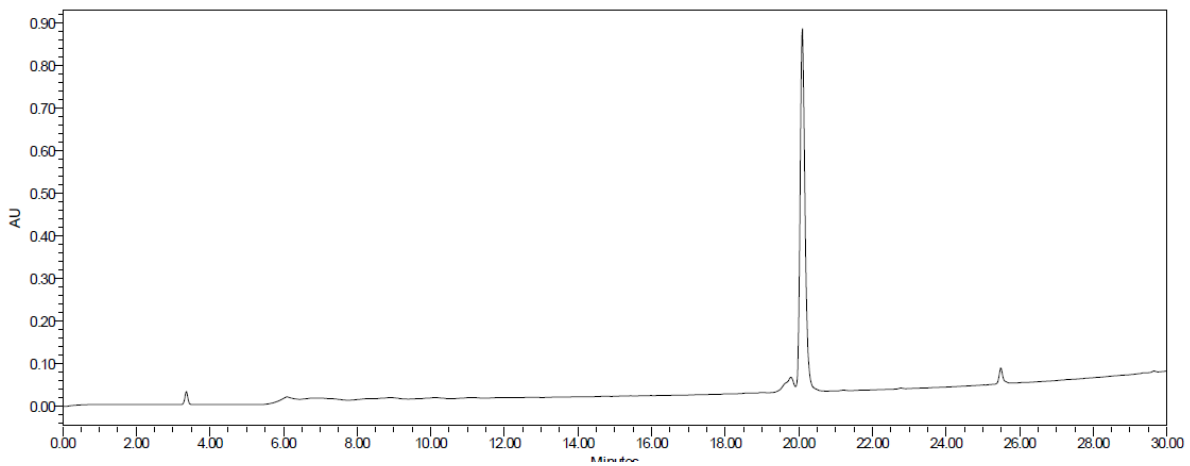
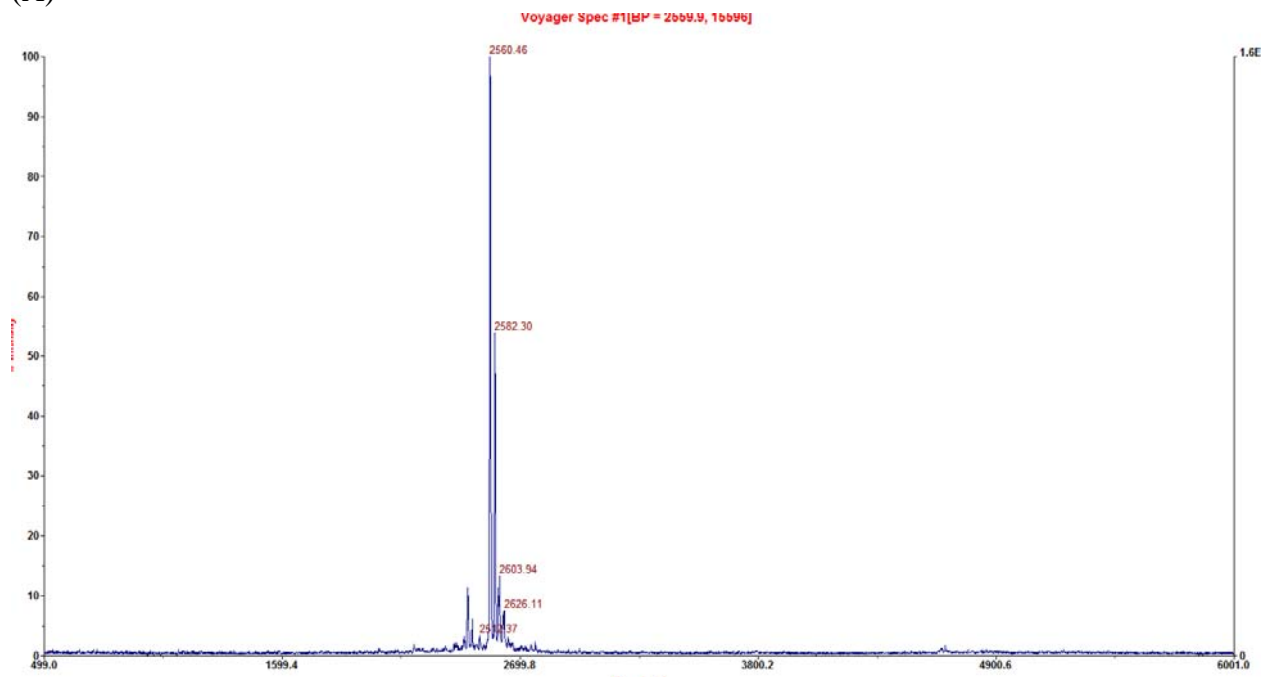


Figure S49: (A) MALDI-TOF spectrum of Compound 32, (B) Analytical HPLC spectra of Compound 32.

(A)



(B)

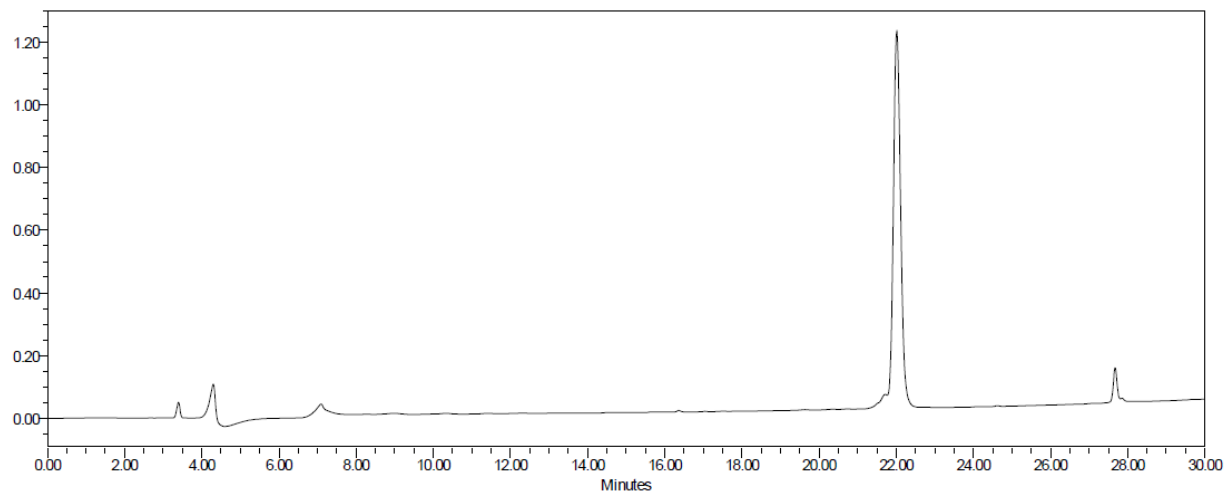
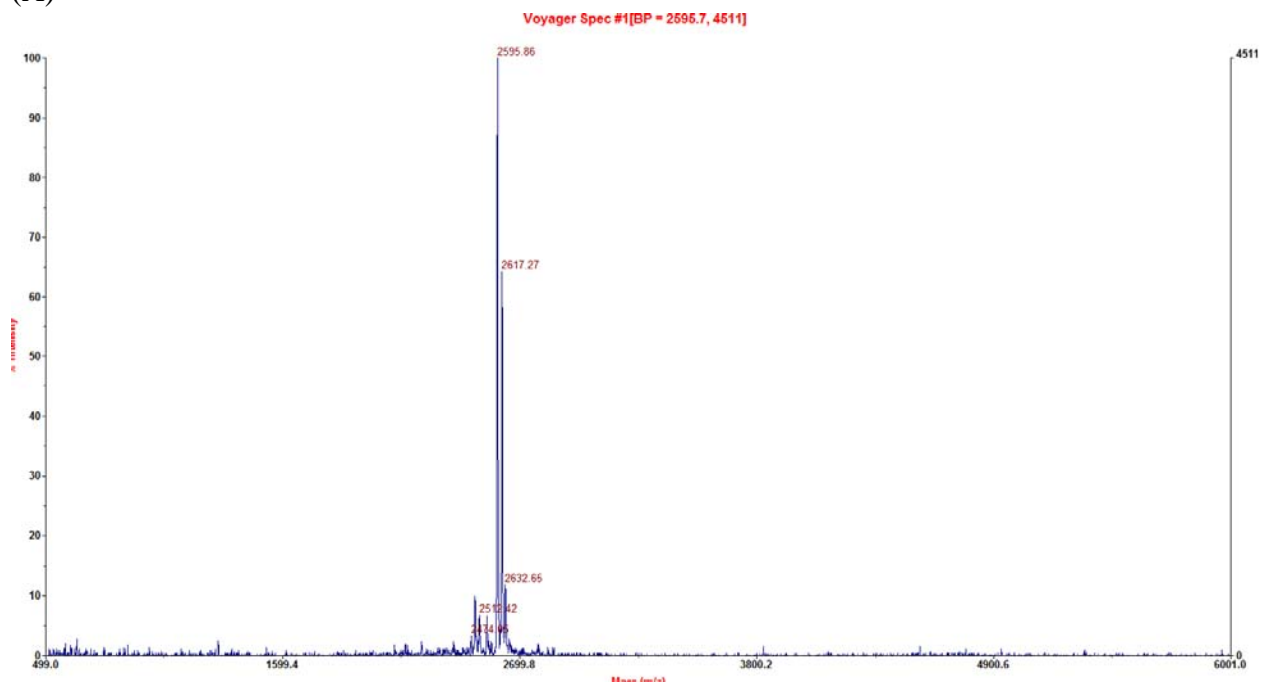


Figure S50: (A) MALDI-TOF spectrum of Compound 34, (B) Analytical HPLC spectra of Compound 34.

(A)



(B)

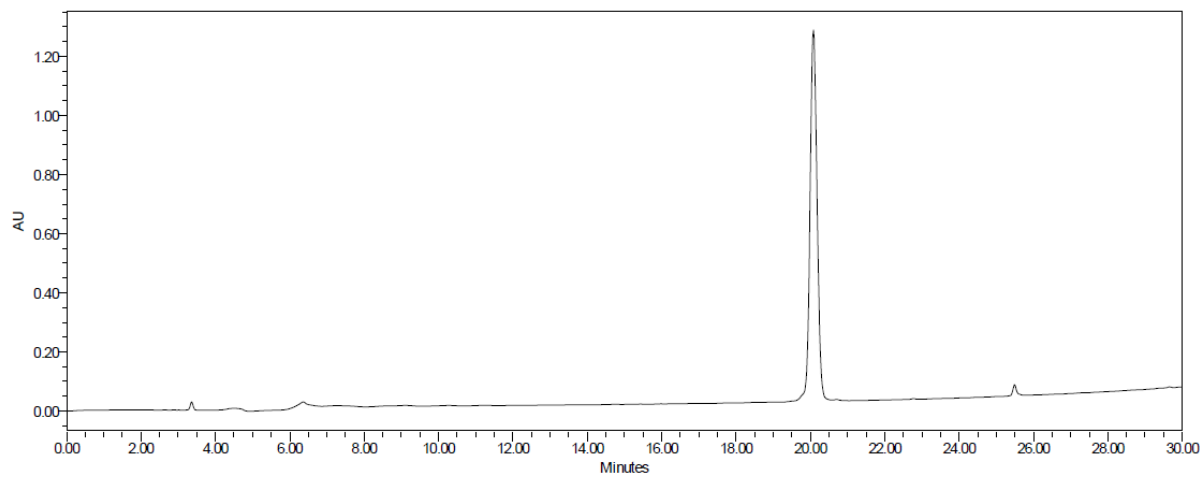


Figure S51: (A) MALDI-TOF spectrum of Compound 37, (B) Analytical HPLC spectra of Compound 37.