Supporting Information

Antimicrobial activity of linear lipopeptides derived from BP100 towards plant pathogens

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Table of contents:

1. Antimicrobial and hemolytic activity of lipopeptides **BP367-BP402**.....2

2. Synthesis of lipopeptides **BP367-BP402**.....5

3. Characterization of lipopeptides **BP367-BP402**: HPLC of crude and purified lipopeptides, ESI-MS and HRMS 16

1. Antimicrobial and hemolytic activity of lipopeptides BP367-BP402

Table A. Antimicrobial activity (MIC) of the linear lipopeptides against six plant pathogenic bacteria and two fungi

Peptide	Structure[a]	*Ea*[b]	*Pss*[b]	*Psa*[b]	*Xap*[b]	*Xf*[b]	*Xav*[b]	*Pe*[b]	*Fo*[b]
BP100	KKLFKKILKYL-NH_2	3.1-6.2	3.1-6.2	1.6-3.1	1.6-3.1	3.1-6.2	3.1-6.2	>25	0.8-1.6
BP367	$C_5H_{11}CO$-KKLFKKILKYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	12.5-25	1.6-3.1
BP368	Ac-K(COC_5H_{11})KLFKKILKYL-NH_2	6.2-12.5	6.2-12.5	6.2-12.5	3.1-6.2	6.2-12.5	3.1-6.2	1.6-3.1	0.8-1.6
BP369	Ac-KK(COC_5H_{11})LFKKILKYL-NH_2	6.2-12.5	6.2-12.5	3.1-6.2	0.8-1.6	3.1-6.2	3.1-6.2	1.6-3.1	0.4-0.8
BP370	Ac-KKK(COC_5H_{11})FKKILKYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	6.2-12.5	3.1-6.2	6.2-12.5	0.8-1.6
BP371	Ac-KKLK(COC_5H_{11})KKILKYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	0.8-1.6
BP372	Ac-KKLFK(COC_5H_{11})KILKYL-NH_2	6.2-12.5	6.2-12.5	6.2-12.5	3.1-6.2	3.1-6.2	6.2-12.5	6.2-12.5	0.8-1.6
BP373	Ac-KKLFKK(COC_5H_{11})ILKYL-NH_2	3.1-6.2	6.2-12.5	3.1-6.2	3.1-6.2	3.1-6.2	6.2-12.5	3.1-6.2	0.4-0.8
BP374	Ac-KKLFKKK(COC_5H_{11})LKYL-NH_2	3.1-6.2	6.2-12.5	3.1-6.2	6.2-12.5	3.1-6.2	6.2-12.5	>25	0.8-1.6
BP375	Ac-KKLFKKIK(COC_5H_{11})KYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	6.2-12.5	3.1-6.2	0.4-0.8
BP376	Ac-KKLFKKILK(COC_5H_{11})YL-NH_2	6.2-12.5	12.5-25	3.1-6.2	6.2-12.5	3.1-6.2	6.2-12.5	3.1-6.2	0.4-0.8
BP377	Ac-KKLFKKILKK(COC_5H_{11})L-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	6.2-12.5	3.1-6.2	0.8-1.6
BP378	Ac-KKLFKKILKYK(COC_5H_{11})-NH_2	3.1-6.2	6.2-12.5	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	0.8-1.6
BP379	C_3H_7CO-KKLFKKILKYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	6.2-12.5	3.1-6.2
BP380	Ac-K(COC_3H_7)KLFKKILKYL-NH_2	3.1-6.2	6.2-12.5	6.2-12.5	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	0.8-1.6
BP381	Ac-KK(COC_3H_7)LFKKILKYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1-6.2	1.6-3.1	1.6-3.1	1.6-3.1	0.8-1.6
BP382	Ac-KKK(COC_3H_7)FKKILKYL-NH_2	6.2-12.5	6.2-12.5	6.2-12.5	6.2-12.5	1.6-3.1	6.2-12.5	3.1-6.2	0.8-1.6
BP383	Ac-KKLK(COC_3H_7)KKILKYL-NH_2	6.2-12.5	6.2-12.5	6.2-12.5	6.2-12.5	3.1-6.2	3.1-6.2	6.2-12.5	0.8-1.6
BP384	Ac-KKLFK(COC_3H_7)KILKYL-NH_2	3.1-6.2	6.2-12.5	6.2-12.5	3.1-6.2	1.6-3.1	1.6-3.1	12.5-25	1.6-3.1
BP385	Ac-KKLFKK(COC_3H_7)ILKYL-NH_2	6.2-12.5	6.2-12.5	6.2-12.5	0.8-1.6	1.6-3.1	0.8-1.6	6.2-12.5	1.6-3.1
BP386	Ac-KKLFKKK(COC_3H_7)LKYL-NH_2	12.5-25	6.5-12.5	6.2-12.5	12.5-25	12.5-25	12.5-25	>25	12.5-25
BP387	Ac-KKLFKKIK(COC_3H_7)KYL-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	3.1 -6.2	1.6-3.1	1.6-3.1	6.2-12.5	0.8-1.6
BP388	Ac-KKLFKKILK(COC_3H_7)YL-NH_2	3.1-6.2	6.2-12.5	6.2-12.5	3.1-6.2	1.6-3.1	1.6-3.1	6.2-12.5	0.8-1.6
BP389	Ac-KKLFKKILKK(COC_3H_7)L-NH_2	3.1-6.2	6.2-12.5	3.1-6.2	0.8-1.6	1.6-3.1	0.8-1.6	6.2-12.5	1.6-3.1
BP390	Ac-KKLFKKILKYK(COC_3H_7)-NH_2	3.1-6.2	6.2 -12.5	6.2-12.5	6.2-12.5	3.1-6.2	3.1-6.2	6.2-12.5	0.8-1.6

BP391	$C_{11}H_{23}CO$-KKLFKKILKYL-NH_2	>25	>25	>25	6.2-12.5	3.1-6.2	6.2-12.5	>25	12.5-25
BP392	Ac-K($COC_{11}H_{23}$)KLFKKILKYL-NH_2	>25	>25	>25	3.1-6.2	0.8-1.6	3.1-6.2	>25	6.2-12.5
BP393	Ac-KK($COC_{11}H_{23}$)LFKKILKYL-NH_2	12.5-25	12.5-25	6.2-12.5	3.1-6.2	3.1-6.2	3.1-6.2	>25	1.6-3.1
BP394	Ac-KKK($COC_{11}H_{23}$)FKKILKYL-NH_2	12.5 -25	6.2-12.5	6.2-12.5	1.6-3.1	0.8-1.6	1.6-3.1	12.5-25	6.2-12.5
BP395	Ac-KKLK($COC_{11}H_{23}$)KKILKYL-NH_2	12.5 -25	3.1-6.2	3.1-6.2	1.6-3.1	1.6-3.1	1.6-3.1	12.5-25	6.2-12.5
BP396	Ac-KKLFK($COC_{11}H_{23}$)KILKYL-NH_2	>25	>25	>25	1.6-3.1	1.6-3.1	3.1-6.2	12.5-25	6.2-12.5
BP397	Ac-KKLFKK($COC_{11}H_{23}$)ILKYL-NH_2	>25	>25	>25	3.1-6.2	1.6-3.1	6.2-12.5	12.5-25	6.2-12.5
BP398	Ac-KKLFKKK($COC_{11}H_{23}$)LKYL-NH_2	>25	3.1-6.2	3.1-6.2	1.6-3.1	3.1-6.2	0.8-1.6	>25	6.2-12.5
BP399	Ac-KKLFKKIK($COC_{11}H_{23}$)KYL-NH_2	>25	3.1-6.2	3.1-6.2	1.6-3.1	3.1-6.2	0.8-1.6	12.5-25	6.2-12.5
BP400	Ac-KKLFKKILK($COC_{11}H_{23}$)YL-NH_2	>25	>25	>25	1.6-3.1	3.1-6.2	1.6-3.1	>25	6.2-12.5
BP401	Ac-KKLFKKILKK($COC_{11}H_{23}$)L-NH_2	>25	6.2-12.5	6.2-12.5	1.6-3.1	3.1-6.2	0.8-1.6	12.5-25	6.2-12.5
BP402	Ac-KKLFKKILKYK($COC_{11}H_{23}$)-NH_2	3.1-6.2	3.1-6.2	3.1-6.2	1.6-3.1	3.1-6.2	1.6-3.1	12.5-25	6.2-12.5

[a] COC_5H_{11}, hexanoyl; COC_3H_7, butanoyl; $COC_{11}H_{23}$, lauroyl.

[b] *Ea*, *Erwinia amylovora*; *Pss*, *Pseudomonas syringae* pv. syringae; *Psa*, *Pseudomonas syringae* pv. actinidiae; *Xap*, *Xanthomonas arboricola* pv. pruni; *Xf*, *Xanthomonas fragariae*; *Xav*, *Xanthomonas axonopodis* pv. vesicatoria; *Pe*, *Penicillium expansum*; *Fo*, *Fusarium oxysporum*.

Table B. Hemolytic activity of the linear lipopeptides

Peptide	Structure[a]	250 μM	375 μM
BP100	KKLFKKILKYL-NH_2	43 ± 1.4	57 ± 4.6
BP367	C_5H_{11}CO-KKLFKKILKYL-NH_2	83 ± 6	95 ± 13
BP368	Ac-K(COC_5H_{11})KLFKKILKYL-NH_2	96 ± 0.9	97 ± 3
BP369	Ac-KK(COC_5H_{11})LFKKILKYL-NH_2	84 ± 8	86 ± 8
BP370	Ac-KKK(COC_5H_{11})FKKILKYL-NH_2	11 ± 2	14 ± 3
BP371	Ac-KKLK(COC_5H_{11})KKILKYL-NH_2	75 ± 4	95 ± 3
BP372	Ac-KKLFK(COC_5H_{11})KILKYL-NH_2	97 ± 2	100 ± 0.9
BP373	Ac-KKLFKK(COC_5H_{11})ILKYL-NH_2	92 ± 1	95 ± 6
BP374	Ac-KKLFKKK(COC_5H_{11})LKYL-NH_2	19 ± 3	28 ± 2
BP375	Ac-KKLFKKIK(COC_5H_{11})KYL-NH_2	70 ± 6	86 ± 3
BP376	Ac-KKLFKKILK(COC_5H_{11})YL-NH_2	90 ± 4	89 ± 2
BP377	Ac-KKLFKKILKK(COC_5H_{11})L-NH_2	92 ± 5	89 ± 2
BP378	Ac-KKLFKKILKYK(COC_5H_{11})-NH_2	26 ± 0.4	52 ± 6
BP379	C_3H_7CO-KKLFKKILKYL-NH_2	93 ± 0.8	96 ± 1
BP380	Ac-K(COC_3H_7)KLFKKILKYL-NH_2	93 ± 6	97 ± 5
BP381	Ac-KK(COC_3H_7)LFKKILKYL-NH_2	54 ± 6	76 ± 2
BP382	Ac-KKK(COC_3H_7)FKKILKYL-NH_2	100 ± 0.9	100 ± 2
BP383	Ac-KKLK(COC_3H_7)KKILKYL-NH_2	22 ± 4	40 ± 4
BP384	Ac-KKLFK(COC_3H_7)KILKYL-NH_2	100 ± 4	100 ± 2
BP385	Ac-KKLFKK(COC_3H_7)ILKYL-NH_2	100 ± 3	100 ± 4
BP386	Ac-KKLFKKK(COC_3H_7)LKYL-NH_2	1 ± 0.1	3 ± 0
BP387	Ac-KKLFKKIK(COC_3H_7)KYL-NH_2	14 ± 0.5	18 ± 1
BP388	Ac-KKLFKKILK(COC_3H_7)YL-NH_2	38 ± 4	89 ± 10
BP389	Ac-KKLFKKILKK(COC_3H_7)L-NH_2	22 ± 2	39 ± 3
BP390	Ac-KKLFKKILKYK(COC_3H_7)-NH_2	5 ± 0.3	7 ± 0.9
BP391	$C_{11}H_{23}$CO-KKLFKKILKYL-NH_2	100 ± 0.9	100 ± 0.5
BP392	Ac-K($COC_{11}H_{23}$)KLFKKILKYL-NH_2	100 ± 0.9	100 ± 2
BP393	Ac-KK($COC_{11}H_{23}$)LFKKILKYL-NH_2	97 ± 0.6	99 ± 0.5
BP394	Ac-KKK($COC_{11}H_{23}$)FKKILKYL-NH_2	100 ± 1	100 ± 2
BP395	Ac-KKLK($COC_{11}H_{23}$)KKILKYL-NH_2	100 ± 2	100 ± 2
BP396	Ac-KKLFK($COC_{11}H_{23}$)KILKYL-NH_2	100 ± 4	100 ± 7
BP397	Ac-KKLFKK($COC_{11}H_{23}$)ILKYL-NH_2	100 ± 4	100 ± 5
BP398	Ac-KKLFKKK($COC_{11}H_{23}$)LKYL-NH_2	100 ± 3	100 ± 5
BP399	Ac-KKLFKKIK($COC_{11}H_{23}$)KYL-NH_2	100 ± 5	100 ± 6
BP400	Ac-KKLFKKILK($COC_{11}H_{23}$)YL-NH_2	99 ± 0.4	100 ± 14
BP401	Ac-KKLFKKILKK($COC_{11}H_{23}$)L-NH_2	100 ± 1	100 ± 3
BP402	Ac-KKLFKKILKYK($COC_{11}H_{23}$)-NH_2	100 ± 4	100 ± 0.5

[a]COC_5H_{11}, hexanoyl; COC_3H_7, butanoyl; $COC_{11}H_{23}$, lauroyl.

[b]Percent hemolysis at 250 and 375 μM plus confidence interval ($\alpha = 0.05$)

2. Synthesis of lipopeptides BP367-BP402

$C_5H_{11}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP367)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded $C_5H_{11}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP367**) in >99% purity. t_R = 7.77 min. MS (ESI) *m/z*: 760.1 $[M + 2H]^{2+}$, 1520.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{137}N_{17}O_{13}$ $[M + 2H]^{2+}$ 760.0285, found 760.0270; calcd for $C_{78}H_{138}N_{17}O_{13}$ $[M + 3H]^{3+}$ 507.0215, found 507.0201; calcd for $C_{78}H_{139}N_{17}O_{13}$ $[M + 4H]^{4+}$ 380.5179, found 380.5165.

Ac-Lys(COC_5H_{11})-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP368)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys(COC_5H_{11})-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP368**) in >99% purity. t_R = 7.91 min. MS (ESI) *m/z*: 521.3 $[M + 3H]^{3+}$, 781.6 $[M + 2H]^{2+}$, 1562.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{139}N_{17}O_{14}$ $[M + 2H]^{2+}$ 781.0338, found 781.0319; calcd for $C_{80}H_{140}N_{17}O_{14}$ $[M + 3H]^{3+}$ 521.0250, found 521.0252.

Ac-Lys-Lys(COC_5H_{11})-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP369)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys(COC_5H_{11})-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP369**) in 92% purity. t_R = 7.53 min. MS (ESI) *m/z*: 521.4 $[M + 3H]^{3+}$, 781.1 $[M + 2H]^{2+}$, 1562.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{139}N_{17}O_{14}$ $[M + 2H]^{2+}$ 781.0338, found 781.0316; calcd for $C_{80}H_{140}N_{17}O_{14}$ $[M + 3H]^{3+}$ 521.0250, found 521.0263; calcd for $C_{80}H_{141}N_{17}O_{14}$ $[M + 4H]^{4+}$ 391.0205, found 391.0192.

Ac-Lys-Lys-Lys(COC_5H_{11})-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP370)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Lys(COC_5H_{11})-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP370**) in >99% purity. t_R = 7.06 min. MS (ESI) *m/z*: 526.1 $[M + 3H]^{3+}$, 789.1 $[M + 2H]^{2+}$, 1577.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{140}N_{18}O_{14}$ $[M + 2H]^{2+}$ 788.5393, found 788.5380; calcd for $C_{80}H_{141}N_{18}O_{14}$ $[M + 3H]^{3+}$ 526.0286, found 526.0275; calcd for $C_{80}H_{142}N_{18}O_{14}$ $[M + 4H]^{4+}$ 394.7733, found 394.7725.

Ac-Lys-Lys-Leu-Lys(COC_5H_{11})-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP371)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Lys(COC_5H_{11})-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP371**) in >99% purity. t_R = 7.11 min. MS (ESI) *m/z*: 771.6 $[M + 2H]^{2+}$, 1542.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{77}H_{142}N_{18}O_{14}$ $[M + 2H]^{2+}$ 771.5471, found 771.5471; calcd for $C_{77}H_{143}N_{18}O_{14}$ $[M + 3H]^{3+}$ 514.7005, found 514.7003; calcd for $C_{77}H_{144}N_{18}O_{14}$ $[M + 4H]^{4+}$ 386.2772, found 386.2768.

Ac-Lys-Lys-Leu-Phe-Lys(COC_5H_{11})-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP372)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys-Lys-Leu-Phe-Lys(COC_5H_{11})-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP372**) in >99% purity. t_R = 7.64 min. MS (ESI) *m/z*: 781.1 $[M + 2H]^{2+}$, 1562.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{139}N_{17}O_{14}$ $[M + 2H]^{2+}$ 781.0338, found 781.0336; calcd for $C_{80}H_{140}N_{17}O_{14}$ $[M + 3H]^{3+}$ 521.0250, found 521.0247; calcd for $C_{80}H_{141}N_{17}O_{14}$ $[M + 4H]^{4+}$ 391.0205, found 391.0199.

Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_5H_{11})-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP373)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_5H_{11})-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP373**) in >99%

purity. t_R = 7.94 min. MS (ESI) *m/z*: 781.6 $[M + 2H]^{2+}$, 1561.1 $[M + H]^{+}$, 1583.1 $[M + Na]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{139}N_{17}O_{14}$ $[M + 2H]^{2+}$ 781.0338, found 781.0330; calcd for $C_{80}H_{140}N_{17}O_{14}$ $[M + 3H]^{3+}$ 521.0250, found 521.0244.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_5H_{11})-Leu-Lys-Tyr-Leu-NH_2 (BP374)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_5H_{11})-Leu-Lys-Tyr-Leu-NH_2 (**BP374**) in >99% purity. t_R = 6.91 min. MS (ESI) *m/z*: 789.1 $[M + 2H]^{2+}$, 1577.1 $[M + H]^{+}$, 1598.1 $[M + Na]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{140}N_{18}O_{14}$ $[M + 2H]^{2+}$ 788.5393, found 788.5393; calcd for $C_{80}H_{141}N_{18}O_{14}$ $[M + 3H]^{3+}$ 526.0286, found 526.0284; calcd for $C_{80}H_{142}N_{18}O_{14}$ $[M + 4H]^{4+}$ 394.7733, found 394.7733.

Ac -Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_5H_{11})-Lys-Tyr-Leu-NH_2 (BP375)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_5H_{11})-Lys-Tyr-Leu-NH_2 (**BP375**) in >99% purity. t_R = 7.17 min. MS (ESI) *m/z*: 789.1 $[M + 2H]^{2+}$, 1577.1 $[M + H]^{+}$, 1599.1 $[M + Na]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{140}N_{18}O_{14}$ $[M + 2H]^{2+}$ 788.5393, found 788.5383; calcd for $C_{80}H_{141}N_{18}O_{14}$ $[M + 3H]^{3+}$ 526.0286, found 526.0276; calcd for $C_{80}H_{142}N_{18}O_{14}$ $[M + 4H]^{4+}$ 394.7733, found 394.7729.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_5H_{11})-Tyr-Leu-NH_2 (BP376)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_5H_{11})-Tyr-Leu-NH_2 (**BP376**) in >99% purity. t_R = 7.48 min. MS (ESI) *m/z*: 781.6 $[M + 2H]^{2+}$, 1561.1 $[M + H]^{+}$, 1583.1 $[M + Na]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{139}N_{17}O_{14}$ $[M + 2H]^{2+}$ 781.0338, found 781.0311; calcd for $C_{80}H_{140}N_{17}O_{14}$ $[M + 3H]^{3+}$ 521.0250, found 521.0233.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_5H_{11})-Leu-NH_2 (BP377)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_5H_{11})-Leu-NH_2 (**BP377**) in >99% purity. t_R = 7.58 min. MS (ESI) *m/z*: 763.6 $[M + 2H]^{2+}$, 1526.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{77}H_{142}N_{18}O_{13}$ $[M + 2H]^{2+}$ 763.5496, found 763.5486; calcd for $C_{77}H_{143}N_{18}O_{13}$ $[M + 3H]^{3+}$ 509.3689, found 509.3700; calcd for $C_{77}H_{144}N_{18}O_{13}$ $[M + 4H]^{4+}$ 382.2785, found 382.2791.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_5H_{11})-NH_2 (BP378)

This lipopeptide was prepared following the procedure described in the manuscript using hexanoic acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_5H_{11})-NH_2 (**BP378**) in >99% purity. t_R = 6.96 min. MS (ESI) *m/z*: 788.6 $[M + 2H]^{2+}$, 1577.1 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{140}N_{18}O_{14}$ $[M + 2H]^{2+}$ 788.5393, found 788.5396; calcd for $C_{80}H_{141}N_{18}O_{14}$ $[M + 3H]^{3+}$ 526.0286, found 526.0308; calcd for $C_{80}H_{142}N_{18}O_{14}$ $[M + 4H]^{4+}$ 394.7733, found 394.7742.

C_3H_7CO-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP379)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded C_3H_7CO-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP379**) in >99% purity. t_R = 7.52 min. MS (ESI) *m/z*: 746.0 $[M + 2H]^{2+}$, 1491.1 $[M + H]^+$, 1513.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{76}H_{133}N_{17}O_{13}$ $[M + 2H]^{2+}$ 746.0129, found 746.0102; calcd for $C_{76}H_{134}N_{17}O_{13}$ $[M + 3H]^{3+}$ 497.6777, found 497.6770; calcd for $C_{76}H_{135}N_{17}O_{13}$ $[M + 4H]^{4+}$ 373.5101, found 373.5104.

Ac-Lys(COC_3H_7)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP380)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys(COC_3H_7)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP380**) in >99% purity. t_R = 7.79 min. MS (ESI) *m/z*: 1533.3 $[M + H]^+$, 1555.3 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for

$C_{78}H_{135}N_{17}O_{14}$ $[M + 2H]^{2+}$ 767.0182, found 767.0158; calcd for $C_{78}H_{136}N_{17}O_{14}$ $[M + 3H]^{3+}$ 511.6812, found 511.6805; calcd for $C_{78}H_{137}N_{17}O_{14}$ $[M + 4H]^{4+}$ 384.0127, found 384.0117.

Ac-Lys-Lys(COC_3H_7)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP381)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys(COC_3H_7)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP381**) in >99% purity. t_R = 6.96 min. MS (ESI) *m/z*: 511.9 $[M + 3H]^{3+}$, 767.5 $[M + 2H]^{2+}$, 1533.1 $[M + H]^+$, 1555.3 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{135}N_{17}O_{14}$ $[M + 2H]^{2+}$ 767.0182, found 767.0160; calcd for $C_{78}H_{136}N_{17}O_{14}$ $[M + 3H]^{3+}$ 511.6812, found 511.6803; calcd for $C_{78}H_{137}N_{17}O_{14}$ $[M + 4H]^{4+}$ 384.0127, found 384.0119.

Ac-Lys-Lys-Lys(COC_3H_7)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP382)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Lys(COC_3H_7)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP382**) in >99% purity. t_R = 6.91 min. MS (ESI) *m/z*: 1548.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{80}H_{136}N_{18}O_{14}$ $[M + 2H]^{2+}$ 774.5236, found 774.5220; calcd for $C_{78}H_{137}N_{18}O_{14}$ $[M + 3H]^{3+}$ 516.6848, found 516.6845; calcd for $C_{78}H_{138}N_{18}O_{14}$ $[M + 4H]^{4+}$ 387.7654, found 387.7648.

Ac-Lys-Lys-Leu-Lys(COC_3H_7)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP383)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Lys(COC_3H_7)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP383**) in >99% purity. t_R = 6.41 min. MS (ESI) *m/z*: 1514.2 $[M + H]^+$, 1536.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{75}H_{137}N_{18}O_{14}$ $[M + H]^+$ 1514.0556, found 1514.0535; calcd for $C_{75}H_{138}N_{17}O_{14}$ $[M + 2H]^{2+}$ 757.5314, found 757.5312.

Ac-Lys-Lys-Leu-Phe-Lys(COC_3H_7)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP384)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys(COC_3H_7)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP384**) in >99% purity. t_R = 6.91 min. MS (ESI) *m/z*: 1533.2 $[M + H]^+$, 1555.2 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{135}N_{17}O_{14}$ $[M + 2H]^{2+}$ 767.0182, found 767.0158; calcd for $C_{78}H_{136}N_{17}O_{14}$ $[M + 3H]^{3+}$ 511.6812, found 511.6821; calcd for $C_{78}H_{137}N_{17}O_{14}$ $[M + 4H]^{4+}$ 384.0127, found 384.0114.

Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_3H_7)-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP385)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_3H_7)-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP385**) in >99% purity. t_R = 7.02 min. MS (ESI) *m/z*: 1533.2 $[M + H]^+$, 1555.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{135}N_{17}O_{14}$ $[M + 2H]^{2+}$ 767.0182, found 767.0189; calcd for $C_{78}H_{136}N_{17}O_{14}$ $[M + 3H]^{3+}$ 511.6812, found 511.6818; calcd for $C_{78}H_{137}N_{17}O_{14}$ $[M + 4H]^{4+}$ 384.0127, found 384.0140.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_3H_7)-Leu-Lys-Tyr-Leu-NH_2 (BP386)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (85:15) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_3H_7)-Leu-Lys-Tyr-Leu-NH_2 (**BP386**) in >99% purity. t_R = 6.25 min. MS (ESI) *m/z*: 1548.2 $[M + H]^+$, 1570.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{136}N_{18}O_{14}$ $[M + 2H]^{2+}$ 774.5236, found 774.5234; calcd for $C_{78}H_{137}N_{18}O_{14}$ $[M + 3H]^{3+}$ 516.6848, found 516.6867; calcd for $C_{78}H_{138}N_{18}O_{14}$ $[M + 4H]^{4+}$ 387.7654, found 387.7666.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_3H_7)-Lys-Tyr-Leu-NH_2 (BP387)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_3H_7)-Lys-Tyr-Leu-NH_2 (**BP387**) in >99% purity. t_R = 6.49 min. MS (ESI) *m/z*: 774.5 $[M + 2H]^{2+}$, 1549.0 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for

$C_{78}H_{137}N_{18}O_{14}$ $[M + 3H]^{3+}$ 516.6848, found 516.6839; calcd for $C_{78}H_{138}N_{18}O_{14}$ $[M + 4H]^{4+}$ 387.7654, found 387.7648.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_3H_7)-Tyr-Leu-NH_2 (BP388)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_3H_7)-Tyr-Leu-NH_2 (**BP388**) in >99% purity. t_R = 6.80 min. MS (ESI) *m/z*: 767.1 $[M + 2H]^{2+}$, 1533.1 $[M + H]^+$, 1555.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{78}H_{134}N_{17}O_{14}Na$ $[M + H + Na]^{2+}$ 778.0091, found 778.0070; calcd for $C_{78}H_{135}N_{17}O_{14}$ $[M + 2H]^{2+}$ 767.0182, found 767.0160; calcd for $C_{78}H_{135}N_{17}O_{14}Na$ $[M + 2H + Na]^{3+}$ 519.0085, found 519.0070; calcd for $C_{78}H_{136}N_{17}O_{14}$ $[M + 3H]^{3+}$ 511.6812, found 511.6805.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_3H_7)-Leu-NH_2 (BP389)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_3H_7)-Leu-NH_2 (**BP389**) in >99% purity. t_R = 6.73 min. MS (ESI) *m/z*: 1498.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{75}H_{138}N_{18}O_{13}$ $[M + 2H]^{2+}$ 749.5340, found 749.5328; calcd for $C_{75}H_{139}N_{18}O_{13}$ $[M + 3H]^{3+}$ 500.0251, found 500.0268; calcd for $C_{75}H_{140}N_{18}O_{13}$ $[M + 4H]^{4+}$ 375. 2706, found 375.2692.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_3H_7)-NH_2 (BP390)

This lipopeptide was prepared following the procedure described in the manuscript using butyric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_3H_7)-NH_2 (**BP390**) in >99% purity. t_R = 6.27 min. MS (ESI) *m/z*: 516.7 $[M + 3H]^{3+}$, 774.6 $[M + 2H]^{2+}$, 1548.2 $[M + H]^+$, 1570.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{136}N_{18}O_{14}$ $[M + 2H]^{2+}$ 774.5236, found 774.5216; calcd for $C_{78}H_{137}N_{18}O_{14}$ $[M + 3H]^{3+}$ 516.6848, found 516.6843; calcd for $C_{78}H_{138}N_{18}O_{14}$ $[M + 4H]^{4+}$ 387.7654, found 387.7665.

$C_{11}H_{23}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP391)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded $C_{11}H_{23}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP391**) in >99% purity. t_R = 8.06 min. MS (ESI) *m/z*: 535.4 $[M + 3H]^{3+}$, 802.6 $[H + 2H]^{2+}$, 1604.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{84}H_{149}N_{17}O_{13}$ $[M + 2H]^{2+}$ 802.0755, found 802.0738; calcd for $C_{84}H_{150}N_{17}O_{13}$ $[M + 3H]^{3+}$ 535.0528, found 535.0527; calcd for $C_{84}H_{151}N_{17}O_{13}$ $[M + 4H]^{4+}$ 401.5414, found 401.5427.

Ac-Lys($COC_{11}H_{23}$)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP392)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys($COC_{11}H_{23}$)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP392**) in >99% purity. t_R = 8.25 min. MS (ESI) *m/z*: 549.1 $[M + 3H]^{3+}$, 823.1 $[M + 2H]^{2+}$, 1646.2 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{151}N_{17}O_{14}$ $[M + 2H]^{2+}$ 823.0808, found 823.0808; calcd for $C_{86}H_{152}N_{17}O_{14}$ $[M + 3H]^{3+}$ 549.0563, found 549.0558; calcd for $C_{86}H_{153}N_{17}O_{14}$ $[M + 4H]^{4+}$ 412.0440, found 412.0437.

Ac-Lys-Lys($COC_{11}H_{23}$)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP393)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys($COC_{11}H_{23}$)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP393**) in >99% purity. t_R = 7.68 min. MS (ESI) *m/z*: 549.3 $[M + 3H]^{3+}$, 823.5 $[M + 2H]^{2+}$, 1645.3 $[M + H]^+$, 1667.1 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{151}N_{17}O_{14}$ $[M + 2H]^{2+}$ 823.0808, found 823.0789; calcd for $C_{86}H_{152}N_{17}O_{14}$ $[M + 3H]^{3+}$ 549.0563, found 549.0548.

Ac-Lys-Lys-Lys($COC_{11}H_{23}$)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP394)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Lys($COC_{11}H_{23}$)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP394**) in 97% purity. t_R = 7.32 min. MS (ESI) *m/z*: 554.1 $[M + 3H]^{3+}$, 831.1 $[M + 2H]^{2+}$, 1661.3 $[M + H]^+$, 1683.3 $[M + Na]^+$;

HRMS (ESI) *m/z*: calcd for $C_{86}H_{152}N_{18}O_{14}$ $[M + 2H]^{2+}$ 830.5862, found 830.5847; calcd for $C_{86}H_{153}N_{18}O_{14}$ $[M + 3H]^{3+}$ 554.0599, found 554.0601; calcd for $C_{86}H_{154}N_{18}O_{14}$ $[M + 4H]^{4+}$ 415.7967, found 415.7987.

Ac-Lys-Lys-Leu-Lys($COC_{11}H_{23}$)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP395)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Lys($COC_{11}H_{23}$)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP395**) in >99% purity. t_R = 7.39 min. MS (ESI) *m/z*: 1627.3 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{83}H_{153}N_{18}O_{14}$ $[M + H]^+$ 1626.1808, found 1626.1755; calcd for $C_{83}H_{154}N_{18}O_{14}$ $[M + 2H]^{2+}$ 813.5940, found 813.5911.

Ac-Lys-Lys-Leu-Phe-Lys($COC_{11}H_{23}$)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP396)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys-Lys-Leu-Phe-Lys($COC_{11}H_{23}$)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP396**) in >99% purity. t_R = 7.76 min. MS (ESI) *m/z*: 549.4 $[M + 3H]^{3+}$, 823.1 $[M + 2H]^{2+}$, 1646.3 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{151}N_{17}O_{14}$ $[M + 2H]^{2+}$ 823.0808, found 823.0791; calcd for $C_{86}H_{152}N_{17}O_{14}$ $[M + 3H]^{3+}$ 549.0563, found 549.0570; calcd for $C_{86}H_{153}N_{17}O_{14}$ $[M + 4H]^{4+}$ 412.0440, found 412.0432.

Ac-Lys-Lys-Leu-Phe-Lys-Lys($COC_{11}H_{23}$)-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP397)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (70:30) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys($COC_{11}H_{23}$)-Ile-Leu-Lys-Tyr-Leu-NH_2 (**BP397**) in 97% purity. t_R = 8.10 min. MS (ESI) *m/z*: 549.4 $[M + 3H]^{3+}$, 823.1 $[M + 2H]^{2+}$, 1646.3 $[M + H]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{151}N_{17}O_{14}$ $[M + 2H]^{2+}$ 823.0808, found 823.0806; calcd for $C_{86}H_{152}N_{17}O_{14}$ $[M + 3H]^{3+}$ 549.0563, found 549.0586; calcd for $C_{86}H_{153}N_{17}O_{14}$ $[M + 4H]^{4+}$ 412.0440, found 412.0444.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys($COC_{11}H_{23}$)-Leu-Lys-Tyr-Leu-NH_2 (BP398)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (80:20) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys($COC_{11}H_{23}$)-Leu-Lys-Tyr-Leu-NH_2 (**BP398**) in >99% purity. t_R = 7.26 min. MS (ESI) *m/z*: 554.1 $[M + 3H]^{3+}$, 830.6 $[M + 2H]^{2+}$, 1660.3 $[M + H]^+$, 1682.3 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{152}N_{18}O_{14}$ $[M + 2H]^{2+}$ 830.5862, found 830.5852; calcd for $C_{86}H_{153}N_{18}O_{14}$ $[M + 3H]^{3+}$ 554.0599, found 554.0602; calcd for $C_{86}H_{154}N_{18}O_{14}$ $[M + 4H]^{4+}$ 415.7967, found 415.7972.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys($COC_{11}H_{23}$)-Lys-Tyr-Leu-NH_2 (BP399)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys($COC_{11}H_{23}$)-Lys-Tyr-Leu-NH_2 (**BP399**) in >99% purity. t_R = 7.38 min. MS (ESI) *m/z*: 554.1 $[M + 3H]^{3+}$, 831.1 $[M + 2H]^{2+}$, 1660.3 $[M + H]^+$, 1682.3 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{152}N_{18}O_{14}$ $[M + 2H]^{2+}$ 830.5862, found 830.5847; calcd for $C_{86}H_{153}N_{18}O_{14}$ $[M + 3H]^{3+}$ 554.0599, found 554.0593; calcd for $C_{86}H_{154}N_{18}O_{14}$ $[M + 4H]^{4+}$ 415.7967, found 415.7968.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys($COC_{11}H_{23}$)-Tyr-Leu-NH_2 (BP400)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys($COC_{11}H_{23}$)-Tyr-Leu-NH_2 (**BP400**) in >99% purity. t_R = 7.60 min. MS (ESI) *m/z*: 823.1 $[M + 2H]^{2+}$, 1645.3 $[M + H]^+$, 1667.3 $[M + Na]^+$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{151}N_{17}O_{14}$ $[M + 2H]^{2+}$ 823.0808, found 823.0796; calcd for $C_{86}H_{152}N_{17}O_{14}$ $[M + 3H]^{3+}$ 549.0563, found 549.0565; calcd for $C_{86}H_{153}N_{17}O_{14}$ $[M + 4H]^{4+}$ 412.0440, found 412.0434.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys($COC_{11}H_{23}$)-Leu-NH_2 (BP401)

This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded

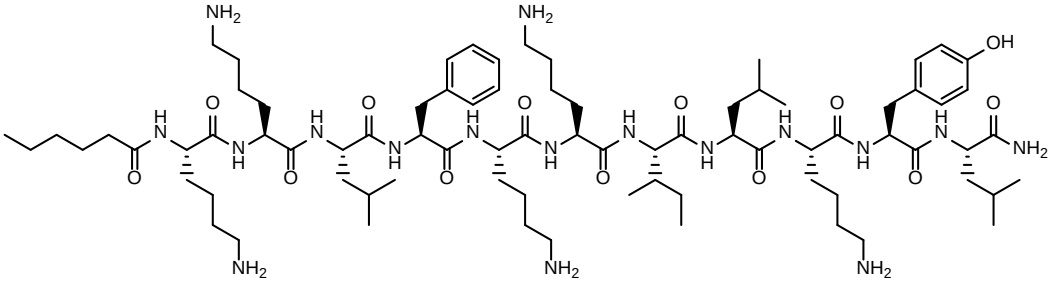
Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys($COC_{11}H_{23}$)-Leu-NH_2 (**BP401**) in >99% purity. t_R = 7.77 min. MS (ESI) *m/z*: 537.5 $[M + 3H]^{3+}$, 806.1 $[M + 2H]^{2+}$, 1610.3 $[M + H]^{+}$, 1632.3 $[M + Na]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{83}H_{154}N_{18}O_{13}$ $[M + 2H]^{2+}$ 805.5966, found 805.5955; calcd for $C_{83}H_{155}N_{18}O_{13}$ $[M + 3H]^{3+}$ 537.4002, found 537.3999; calcd for $C_{83}H_{156}N_{18}O_{13}$ $[M + 4H]^{4+}$ 403.3019, found 403.3019.

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys($COC_{11}H_{23}$)-NH_2 (BP402)

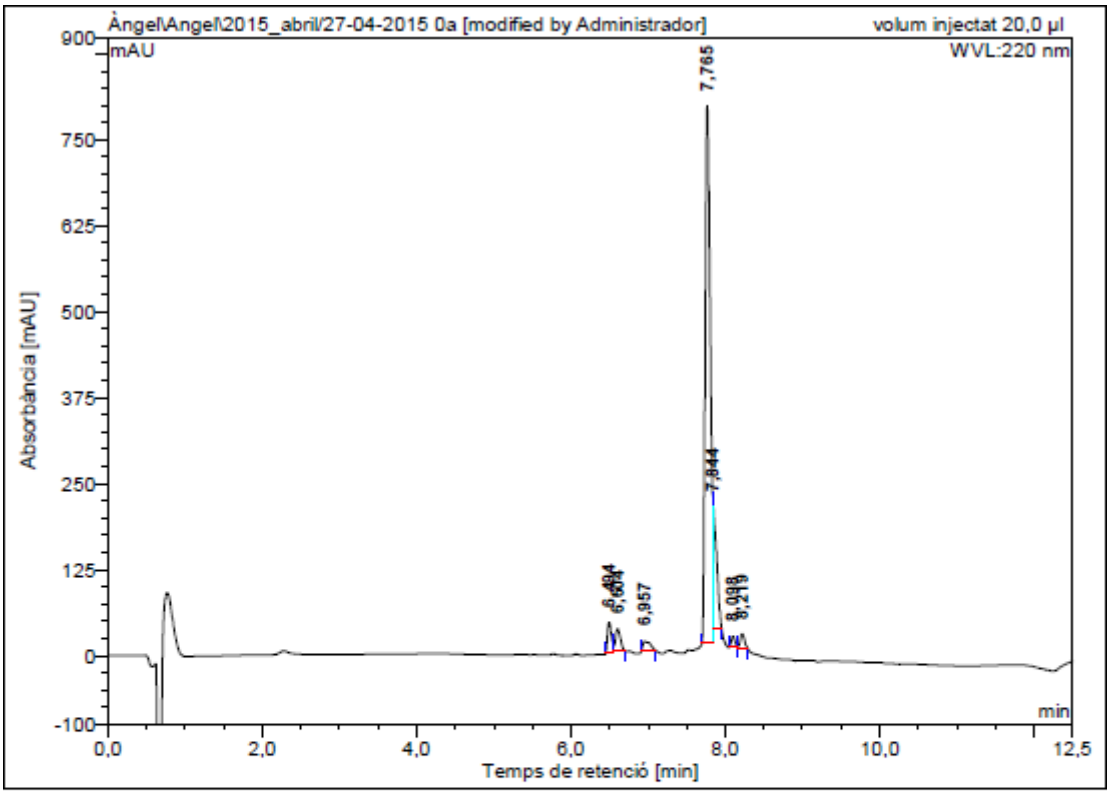
This lipopeptide was prepared following the procedure described in the manuscript using lauric acid. Acidolytic cleavage of the resulting resin and purification eluting with H_2O/CH_3CN (75:25) afforded Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys($COC_{11}H_{23}$)-NH_2 (**BP402**) in 99% purity. t_R = 7.29 min. MS (ESI) *m/z*: 554.4 $[M + 3H]^{3+}$, 831.1 $[M + 2H]^{2+}$, 1661.3 $[M + H]^{+}$; HRMS (ESI) *m/z*: calcd for $C_{86}H_{152}N_{18}O_{14}$ $[M + 2H]^{2+}$ 830.5862, found 830.5866; calcd for $C_{86}H_{153}N_{18}O_{14}$ $[M + 3H]^{3+}$ 554.0599, found 554.0601; calcd for $C_{86}H_{154}N_{18}O_{14}$ $[M + 4H]^{4+}$ 415.7967, found 415.7969.

3. Characterization of lipopeptides BP367-BP402: HPLC of crude and purified lipopeptides, ESI-MS and HRMS

$C_5H_{11}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP367)

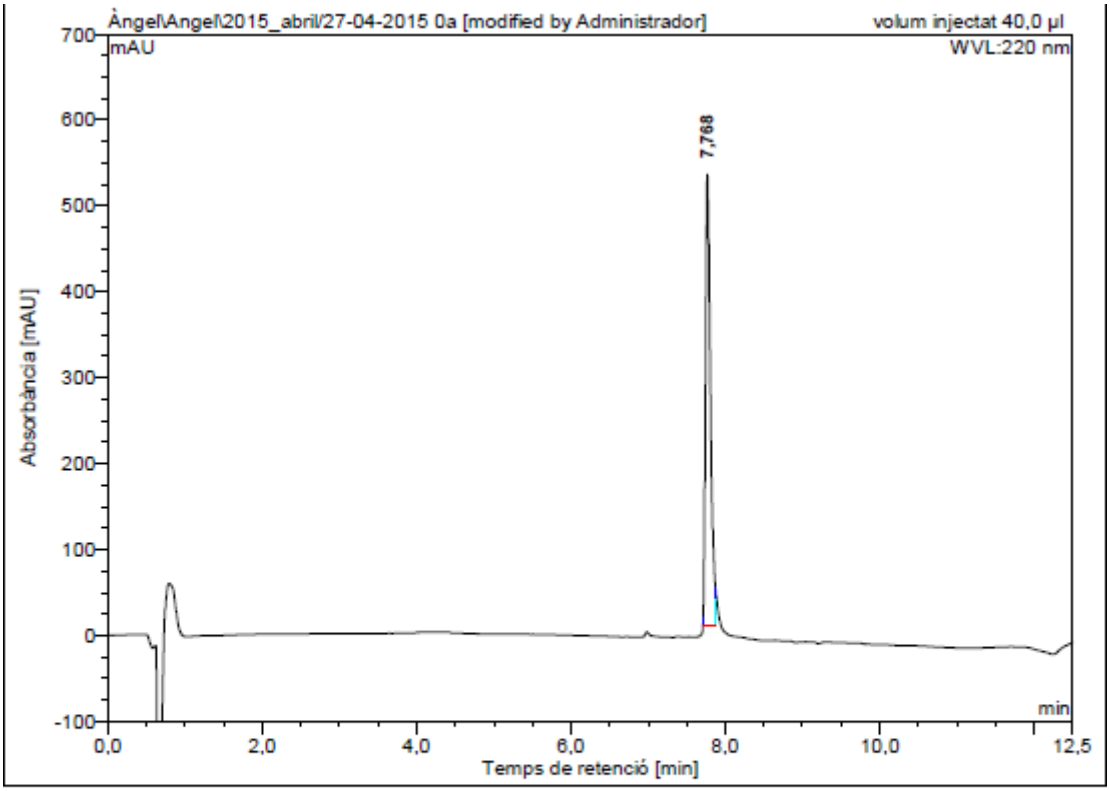


HPLC of crude peptide (λ=220 nm)



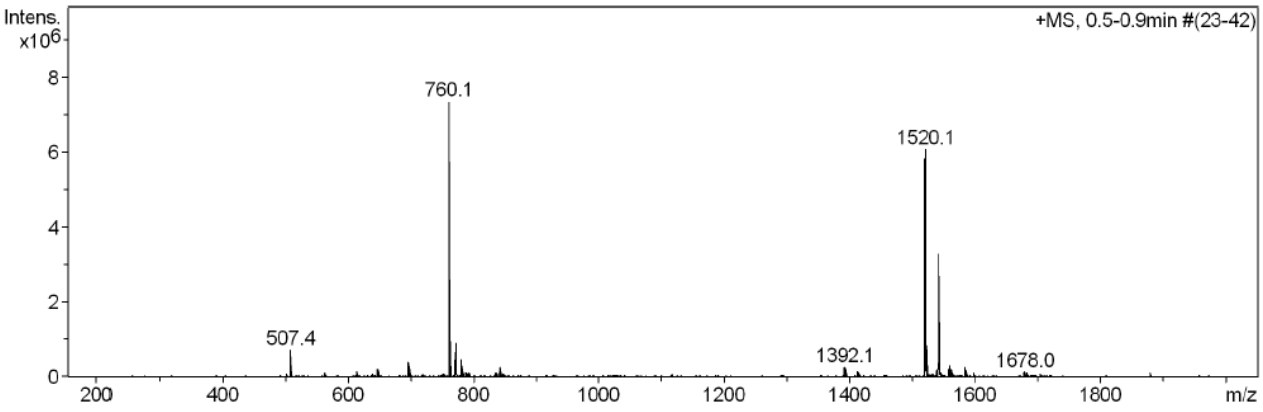
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,49	43,350	2,553	3,25
2	6,60	32,810	2,437	3,11
3	6,96	14,730	1,697	2,16
4	7,77	782,429	60,517	77,13
5	7,84	176,586	9,122	11,63
6	8,10	15,984	0,862	1,10
7	8,22	19,823	1,277	1,63
Total:		1085,712	78,465	100,00

HPLC of purified peptide (λ=220 nm)

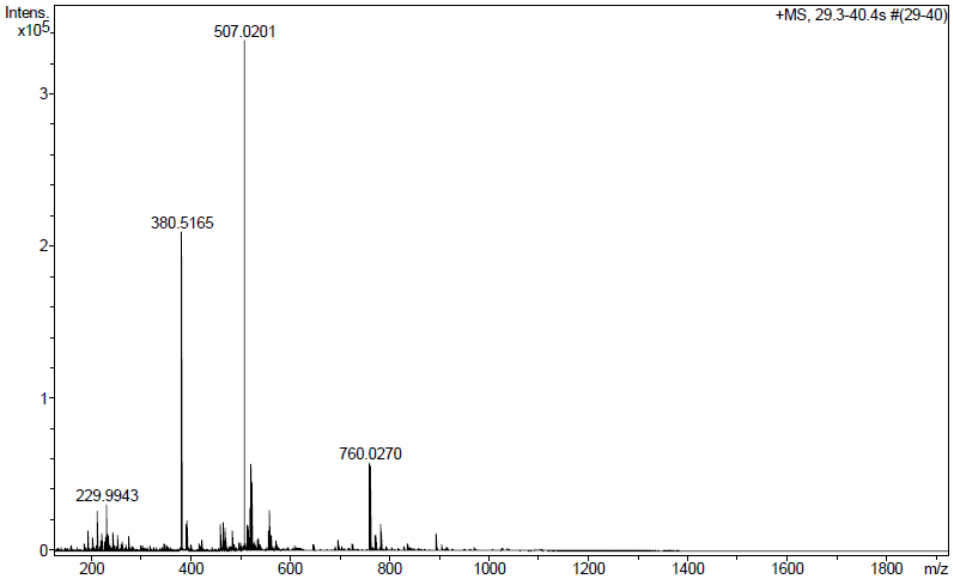


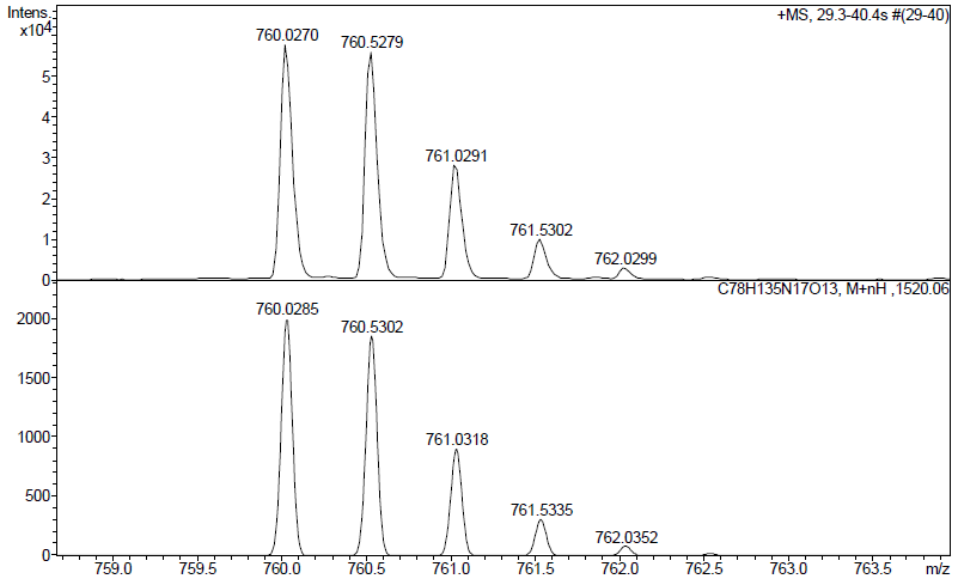
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,77	525,723	39,635	100,00
Total:		525,723	39,635	100,00

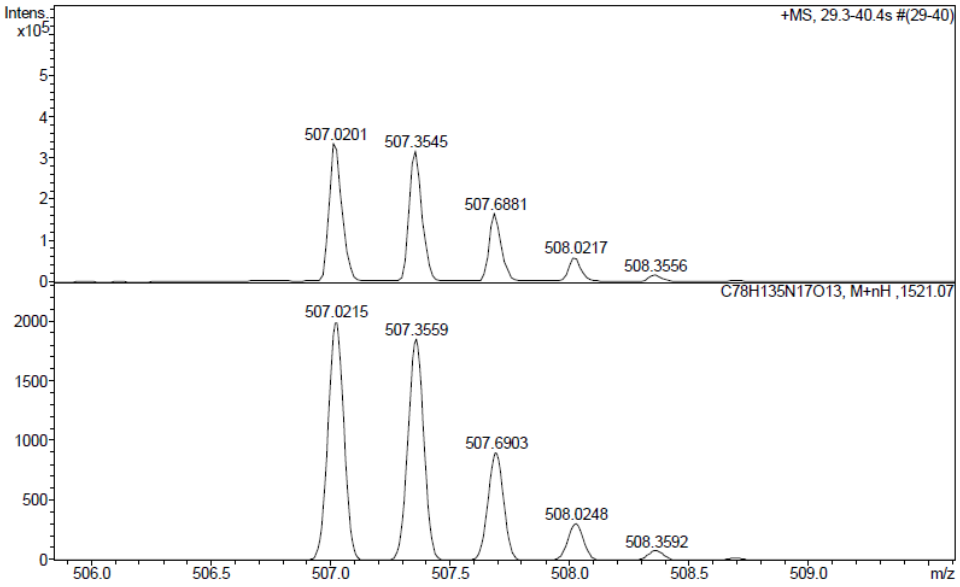
ESI-MS (*m/z*)

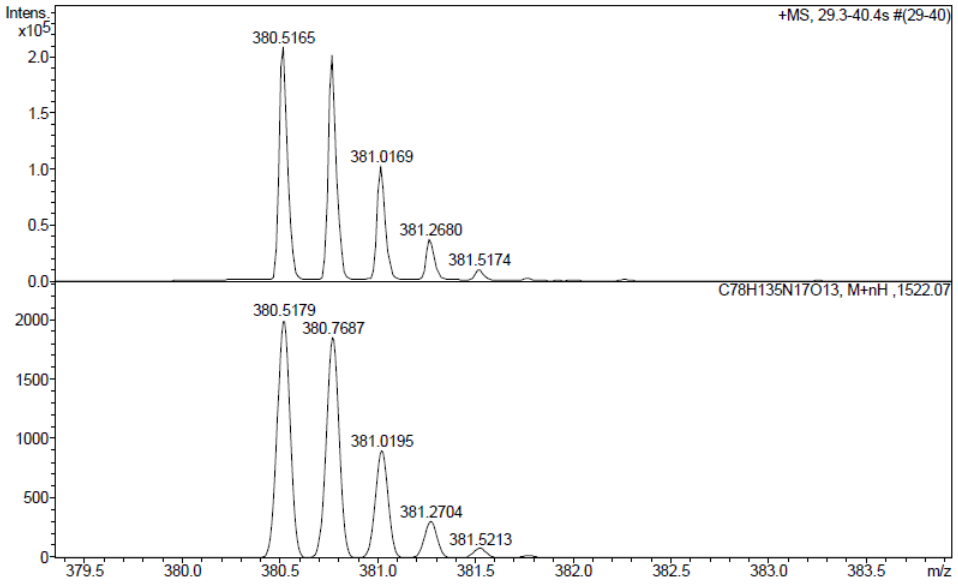


HRMS (*m/z*)

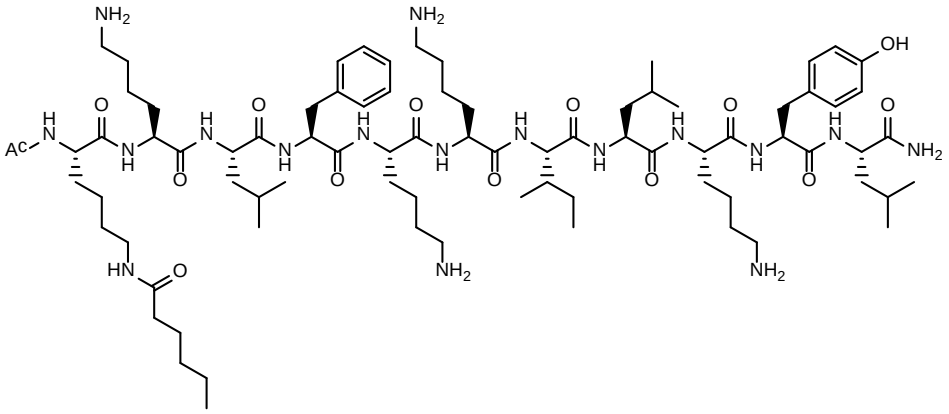

Intens.
x10^5
+MS, 29.3-40.4s #(29-40)
507.0201
380.5165
760.0270
229.9943
m/z


Intens.
x10^4
+MS, 29.3-40.4s #(29-40)
760.0270
760.5279
761.0291
761.5302
762.0299
C78H135N17O13, M+nH ,1520.06
760.0285
760.5302
761.0318
761.5335
762.0352
m/z

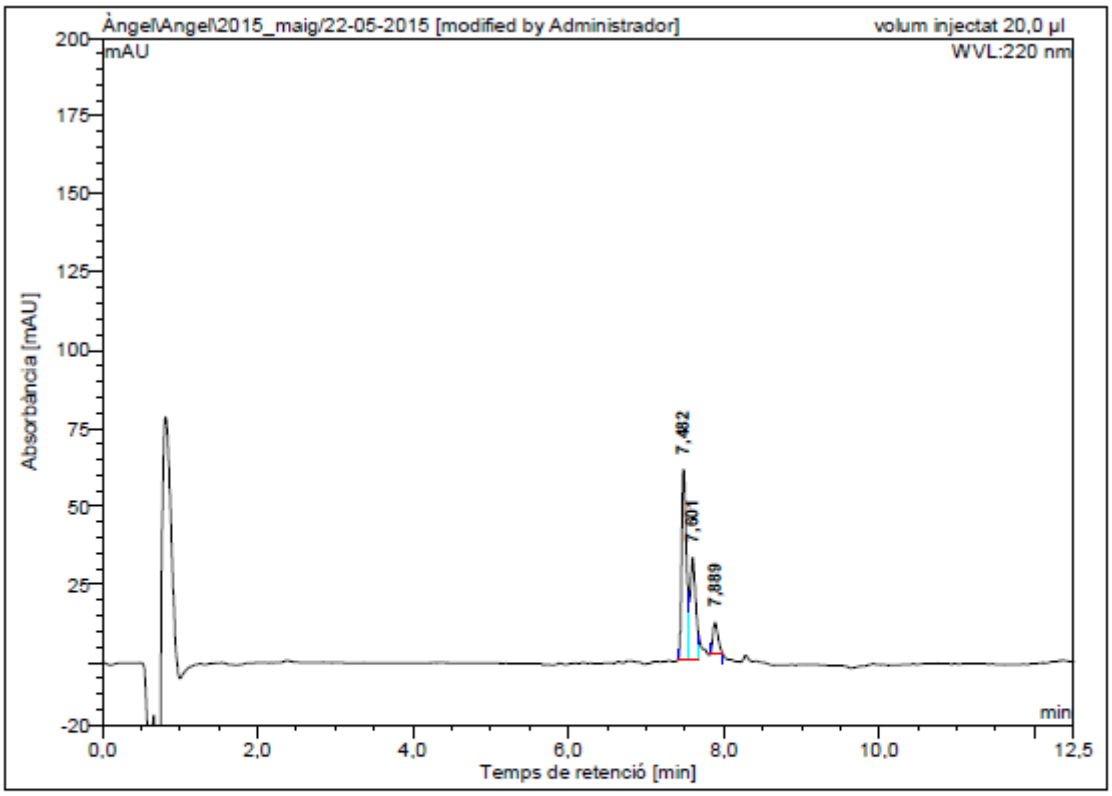

Intens.
x10^5
+MS, 29.3-40.4s #(29-40)
507.0201
507.3545
507.6881
508.0217
508.3556
C78H135N17O13, M+nH ,1521.07
507.0215
507.3559
507.6903
508.0248
508.3592
m/z


Intens.
x10^5
+MS, 29.3-40.4s #(29-40)
380.5165
381.0169
381.2680
381.5174
C78H135N17O13, M+nH ,1522.07
380.5179
380.7687
381.0195
381.2704
381.5213
m/z

Ac-Lys(COC_5H_{11})-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP368)

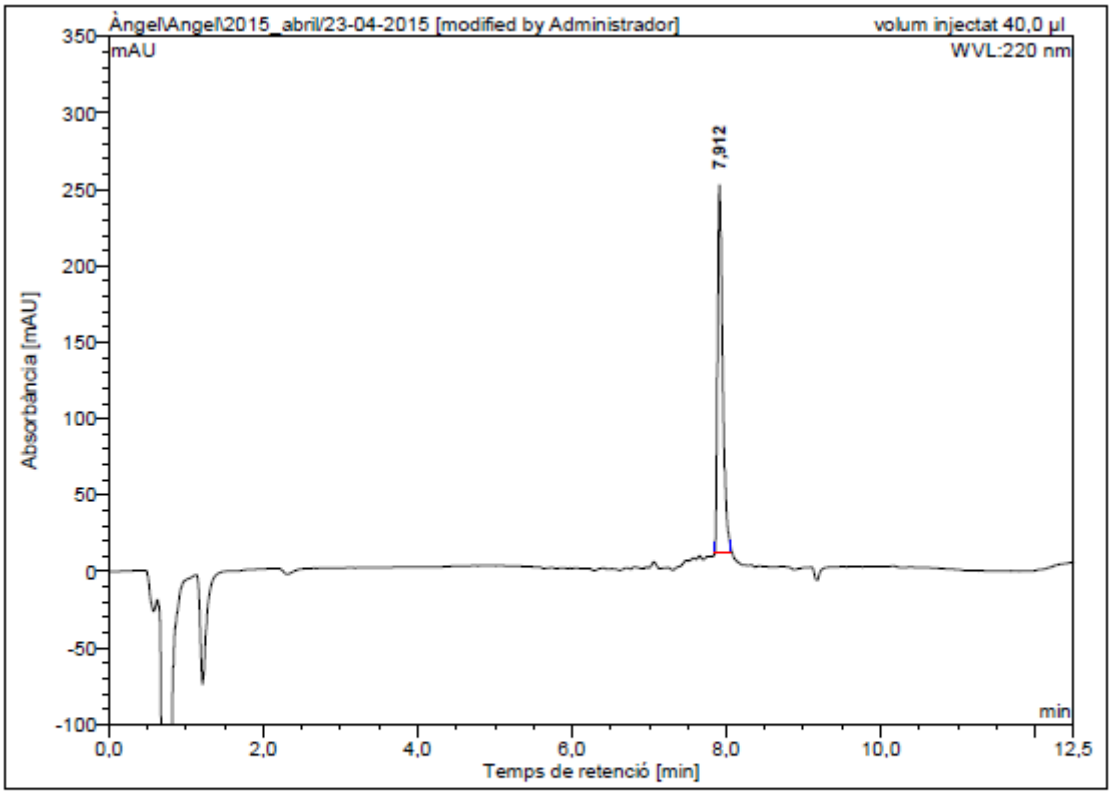


HPLC of crude peptide (λ=220 nm)



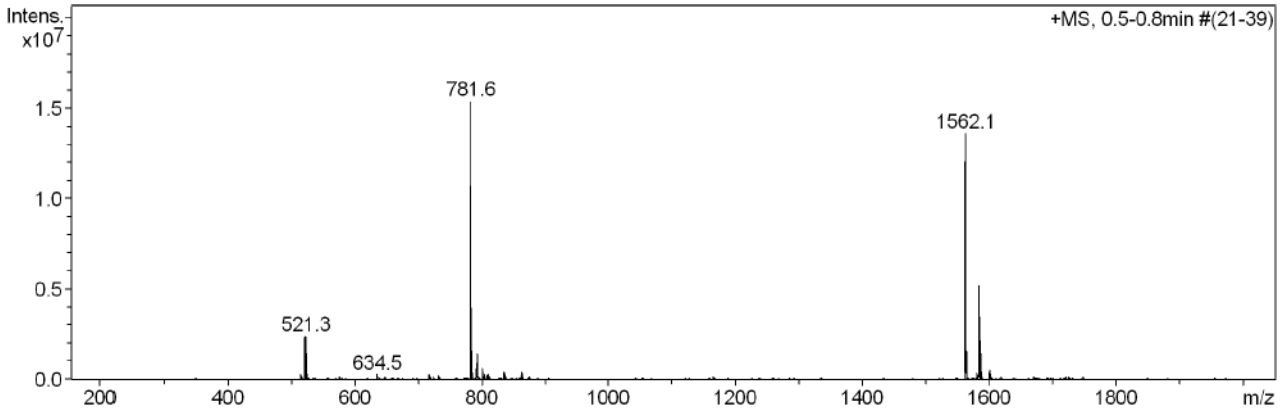
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,48	60,911	4,478	56,85
2	7,60	32,697	2,633	33,43
3	7,89	9,958	0,765	9,72
Total:		103,566	7,877	100,00

HPLC of purified peptide (λ=220 nm)

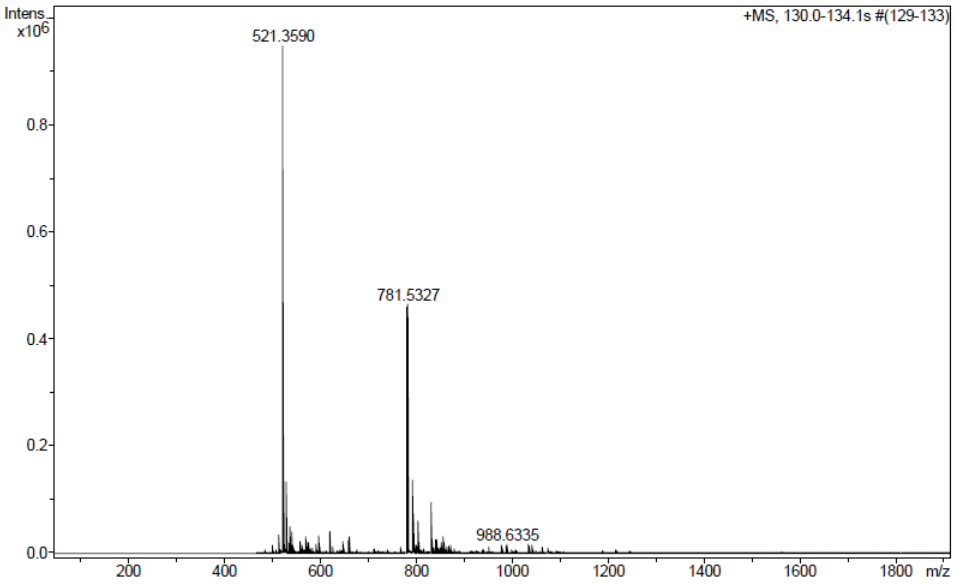


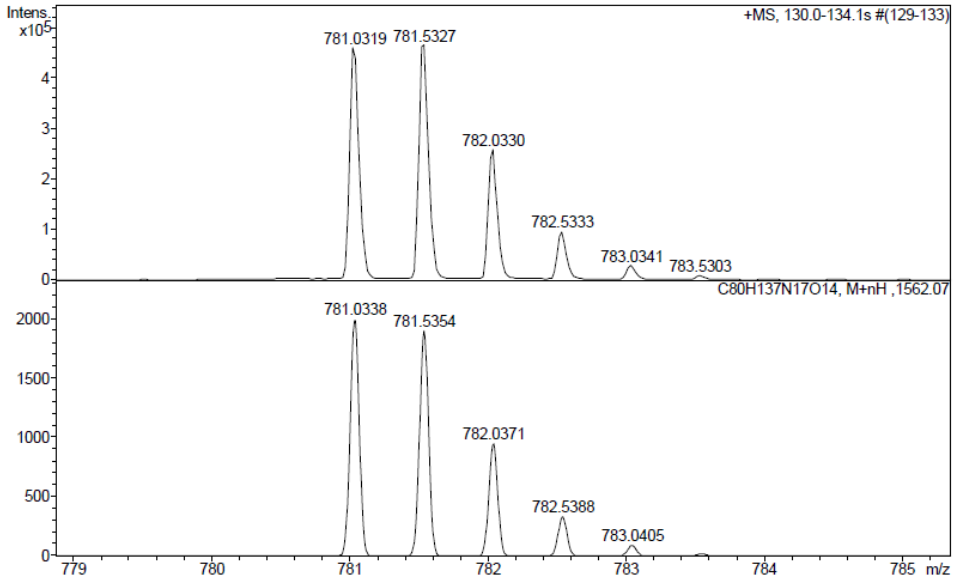
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,91	240,601	18,423	100,00
Total:		240,601	18,423	100,00

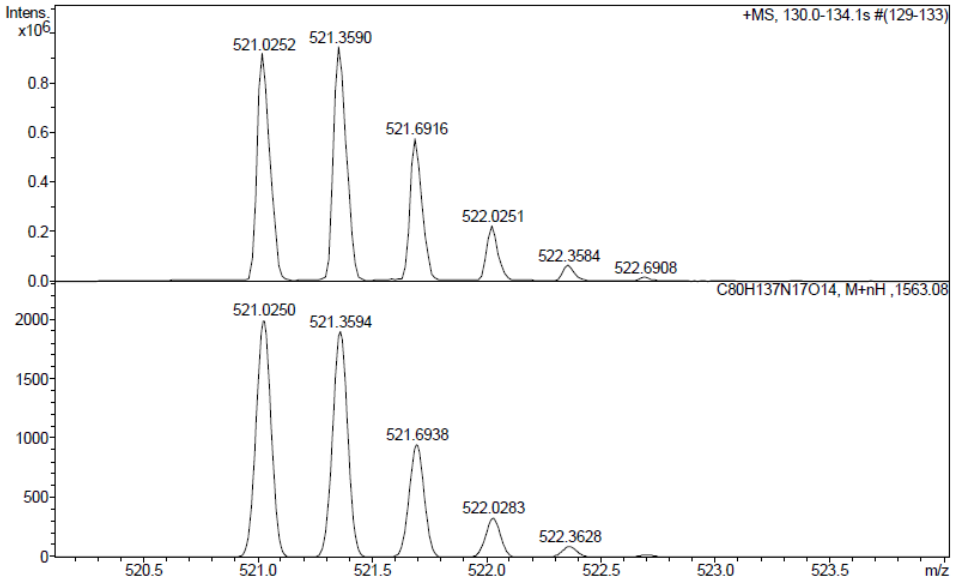
ESI-MS (*m/z*)



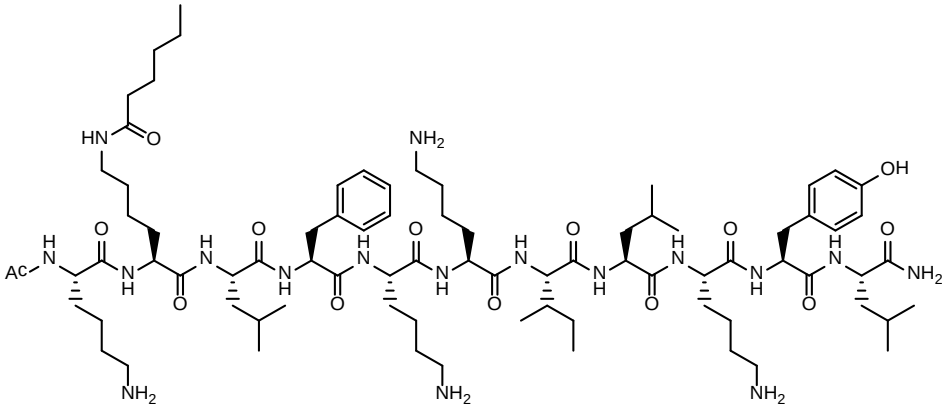
HRMS (*m/z*)


+MS, 130.0-134.1s #(129-133)
Intens.
x10^6
521.3590
781.5327
988.6335
m/z

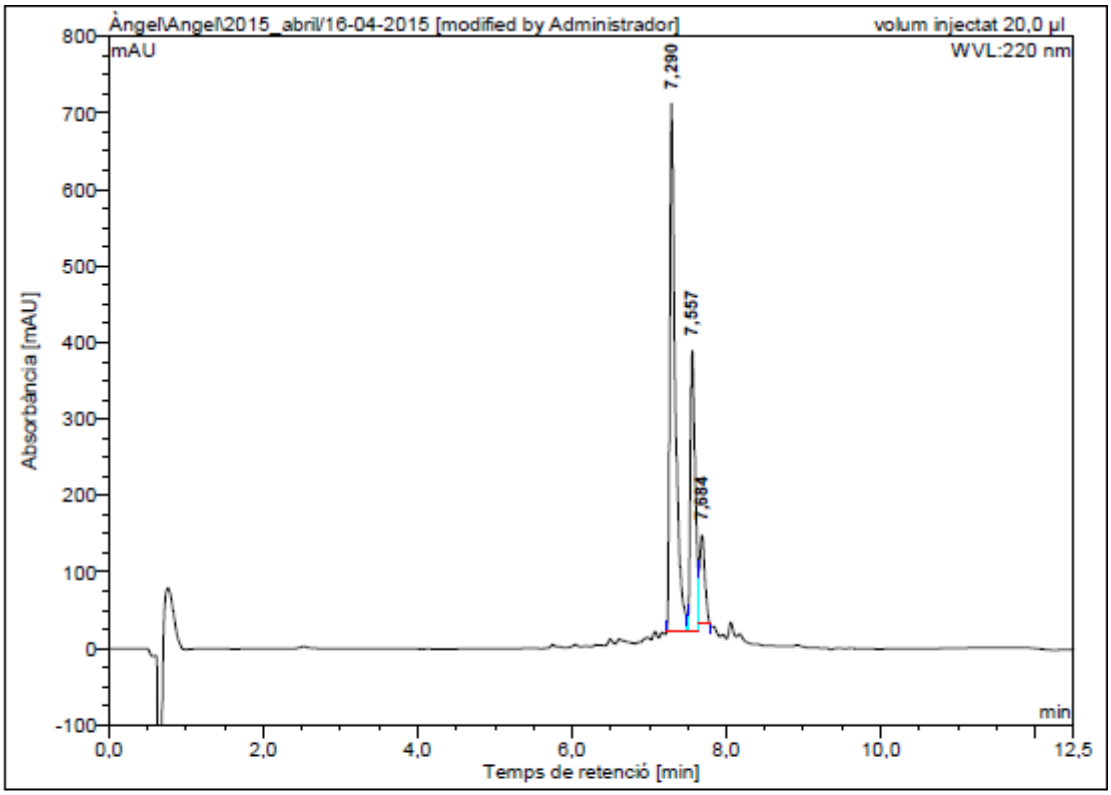

+MS, 130.0-134.1s #(129-133)
Intens.
x10^5
781.0319
781.5327
782.0330
782.5333
783.0341
783.5303
C80H137N17O14, M+nH ,1562.07
781.0338
781.5354
782.0371
782.5388
783.0405
m/z


+MS, 130.0-134.1s #(129-133)
Intens.
x10^6
521.0252
521.3590
521.6916
522.0251
522.3584
522.6908
C80H137N17O14, M+nH ,1563.08
521.0250
521.3594
521.6938
522.0283
522.3628
m/z

Ac-Lys-Lys(COC_5H_{11})-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP369)

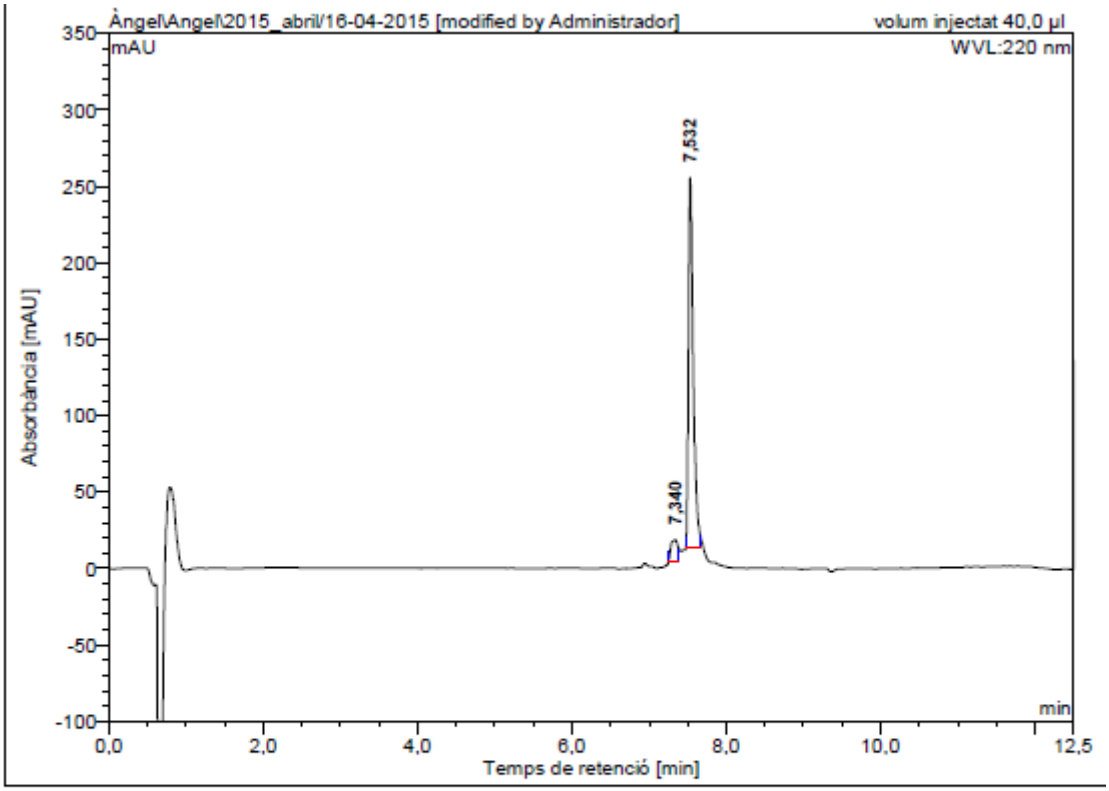


HPLC of crude peptide (λ=220 nm)



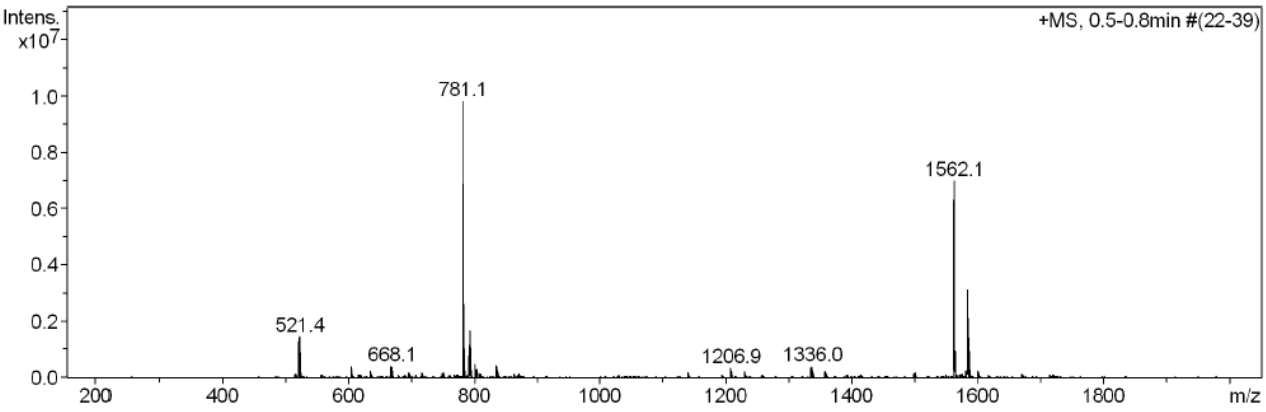
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,29	690,240	57,590	62,04
2	7,56	367,199	26,591	28,65
3	7,68	114,437	8,641	9,31
Total:		1171,877	92,822	100,00

HPLC of purified peptide (λ=220 nm)

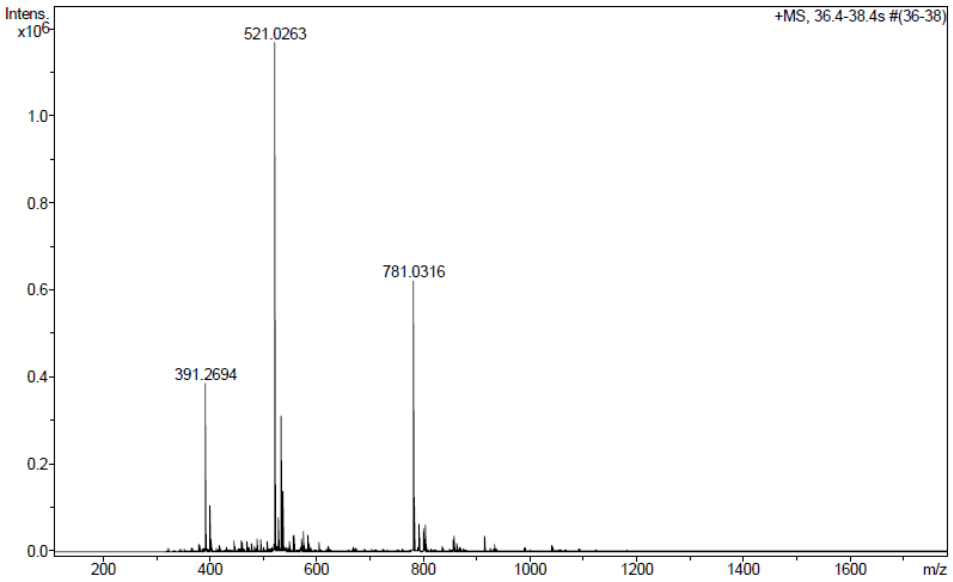


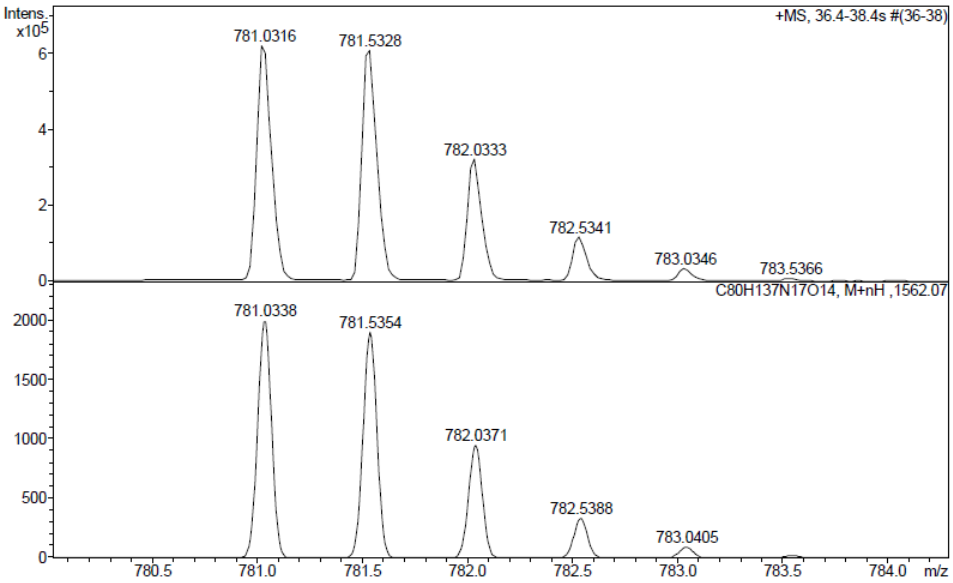
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,34	15,021	1,526	8,06
2	7,53	241,900	17,408	91,94
Total:		256,921	18,934	100,00

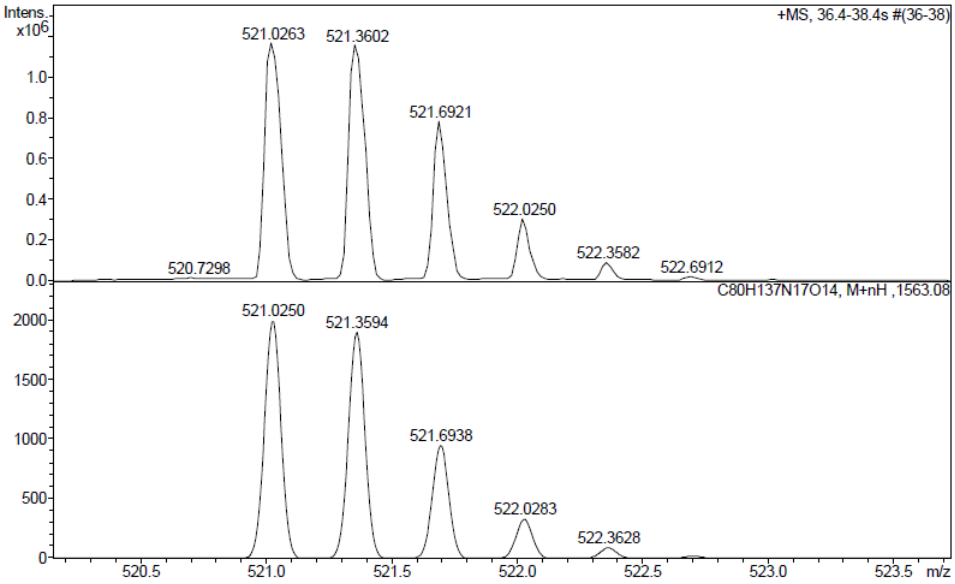
ESI-MS (*m/z*)

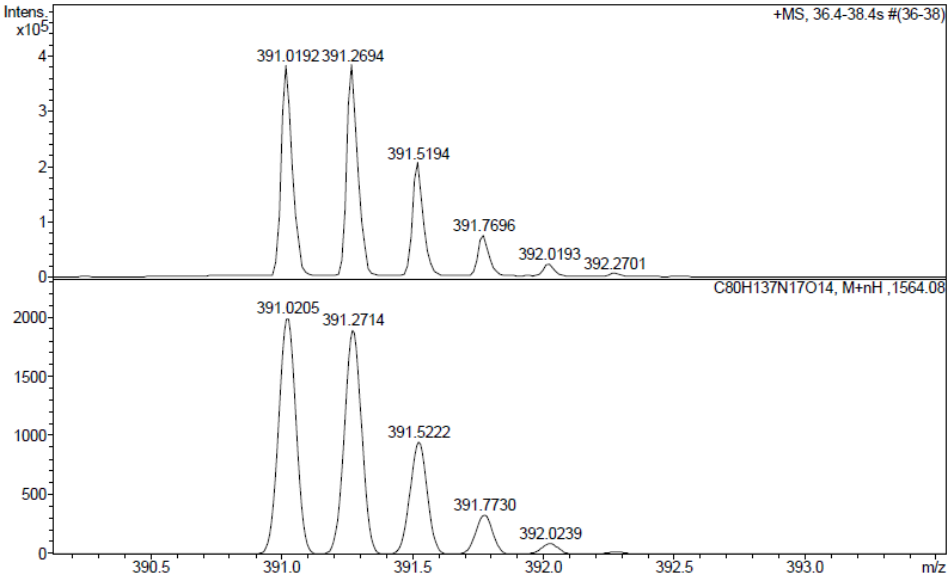


HRMS (*m/z*)

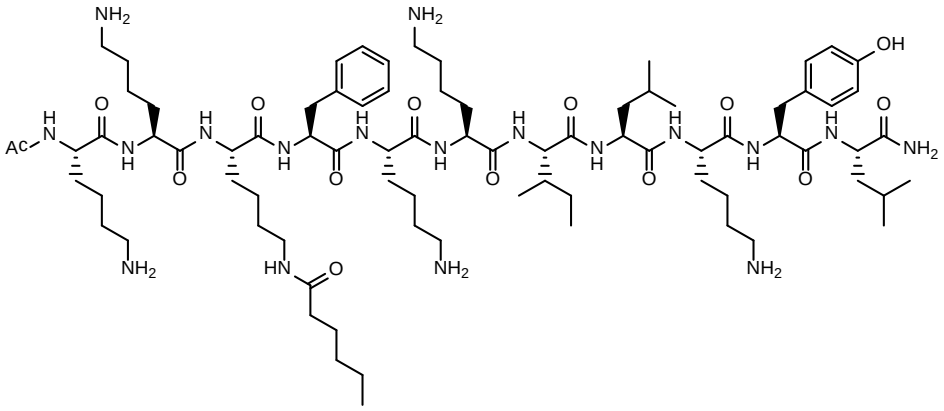

+MS, 36.4-38.4s #(36-38)
Intens.
x10^6
521.0263
781.0316
391.2694
m/z


+MS, 36.4-38.4s #(36-38)
Intens.
x10^5
781.0316
781.5328
782.0333
782.5341
783.0346
783.5366
C80H137N17O14, M+nH ,1562.07
781.0338
781.5354
782.0371
782.5388
783.0405
m/z

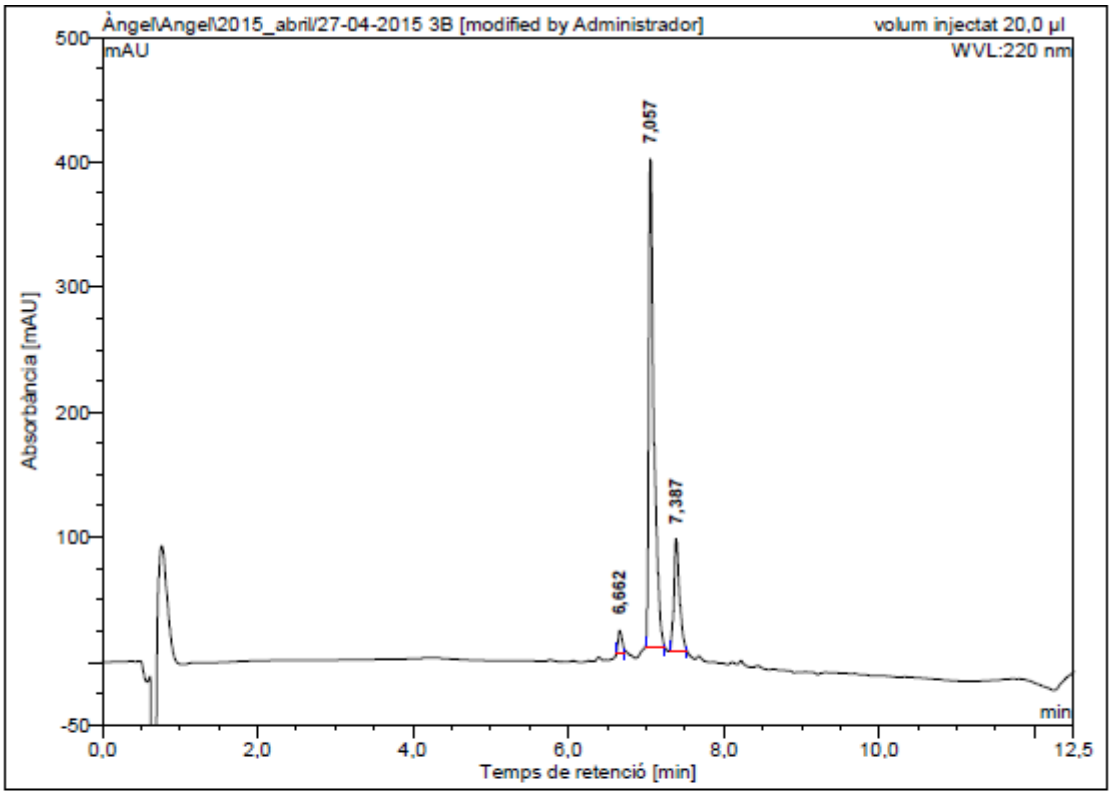

+MS, 36.4-38.4s #(36-38)
Intens.
x10^6
521.0263
521.3602
521.6921
522.0250
522.3582
522.6912
520.7298
C80H137N17O14, M+nH ,1563.08
521.0250
521.3594
521.6938
522.0283
522.3628
m/z


Intens.
x10^5
+MS, 36.4-38.4s #(36-38)
391.0192
391.2694
391.5194
391.7696
392.0193
392.2701
C80H137N17O14, M+nH ,1564.08
391.0205
391.2714
391.5222
391.7730
392.0239
m/z

Ac-Lys-Lys-Lys(COC_5H_{11})-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP370)

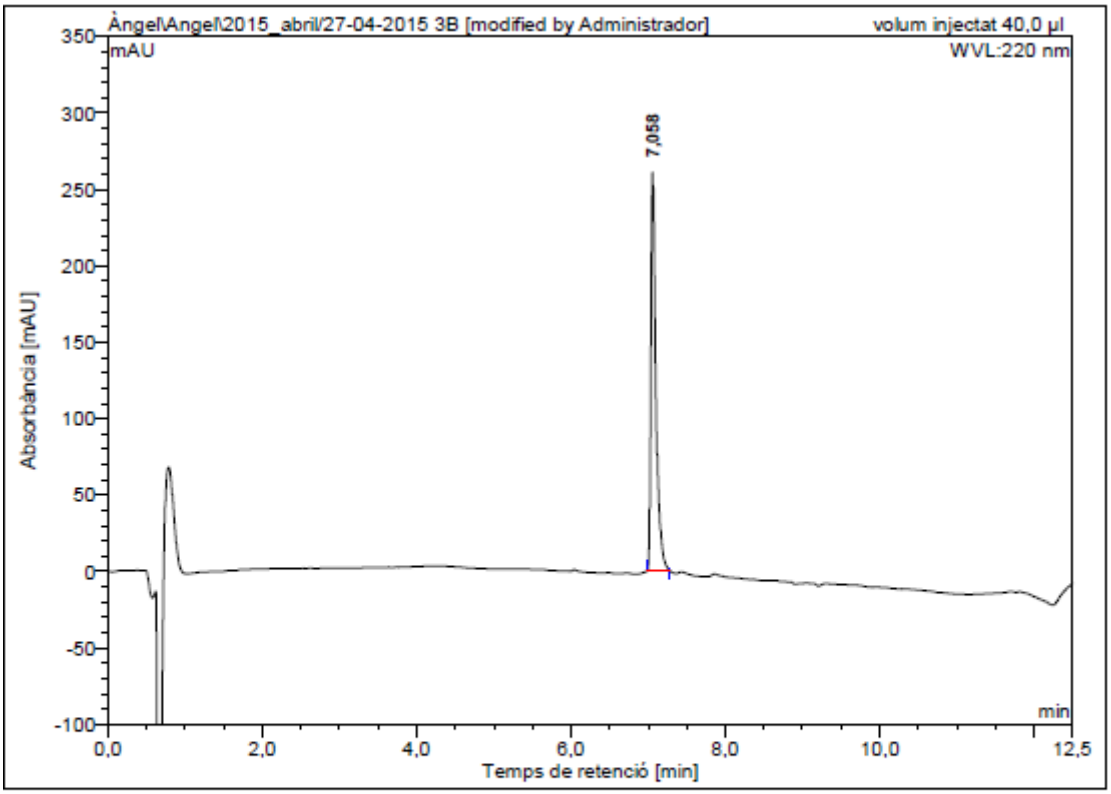


HPLC of crude peptide (λ=220 nm)



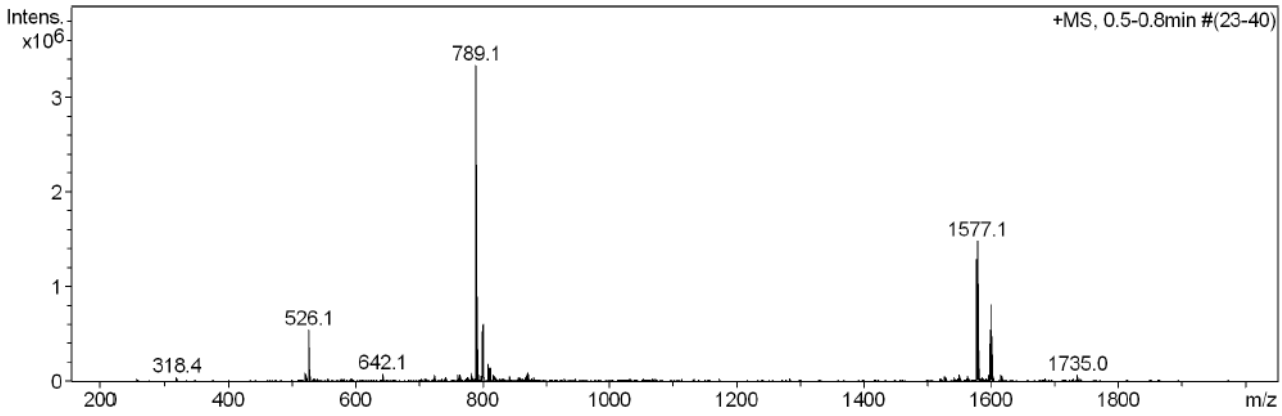
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,66	17,474	0,994	2,57
2	7,06	389,607	30,135	77,87
3	7,39	90,027	7,572	19,57
Total:		497,108	38,701	100,00

HPLC of purified peptide (λ=220 nm)

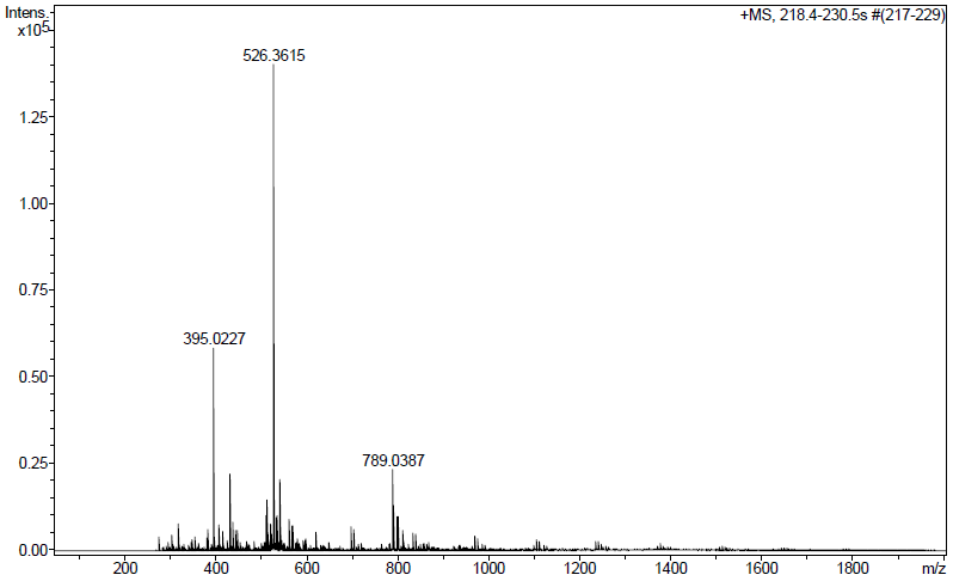


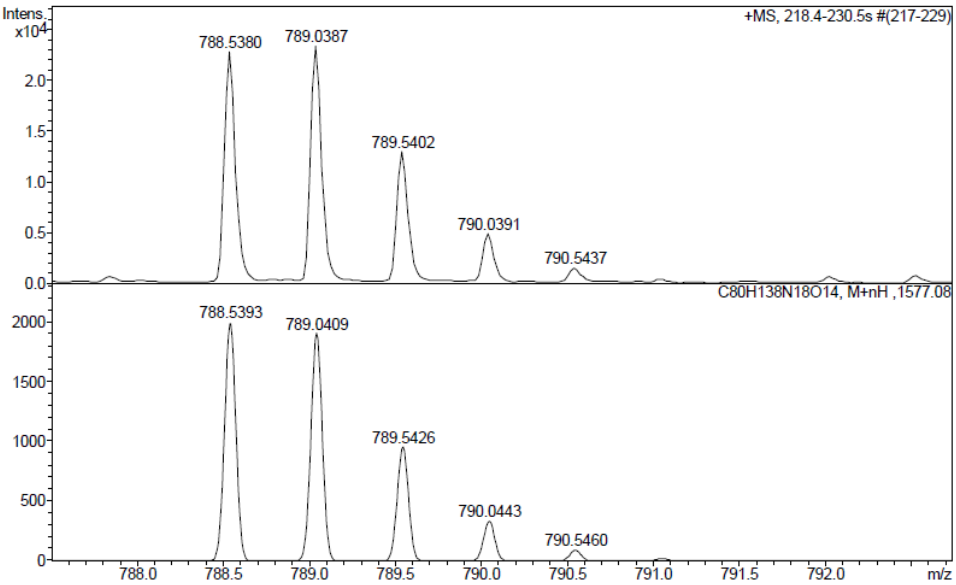
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,06	260,633	19,695	100,00
Total:		260,633	19,695	100,00

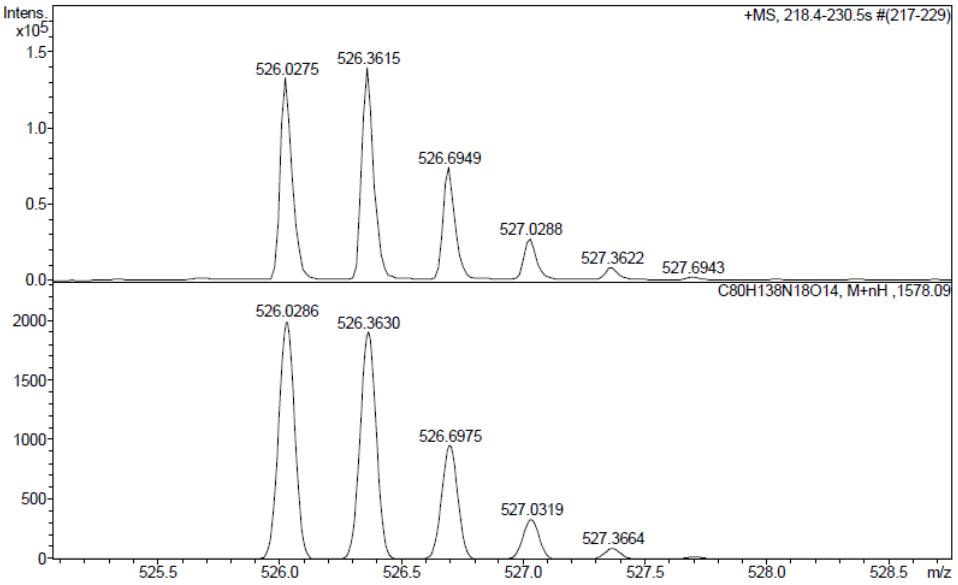
ESI-MS (*m/z*)

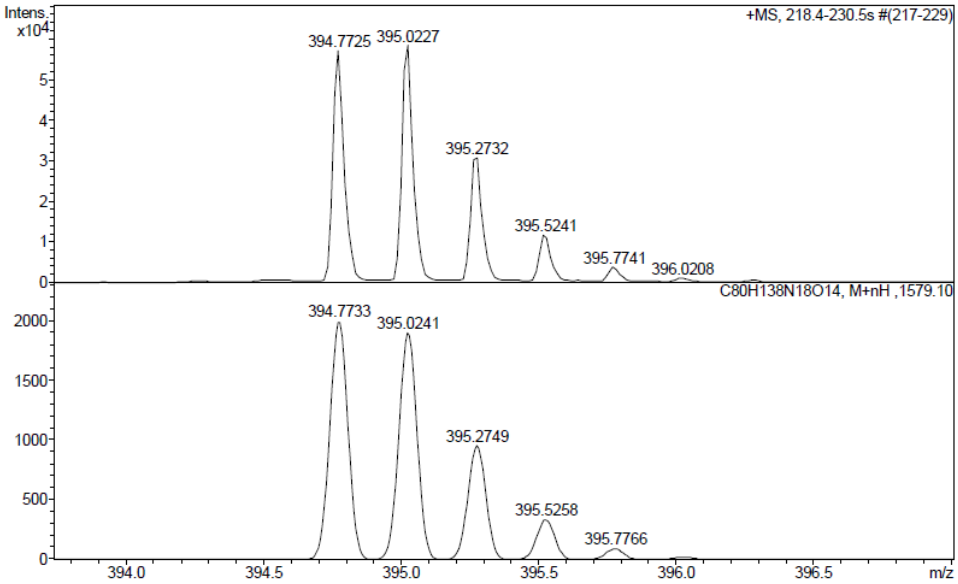


HRMS (*m/z*)

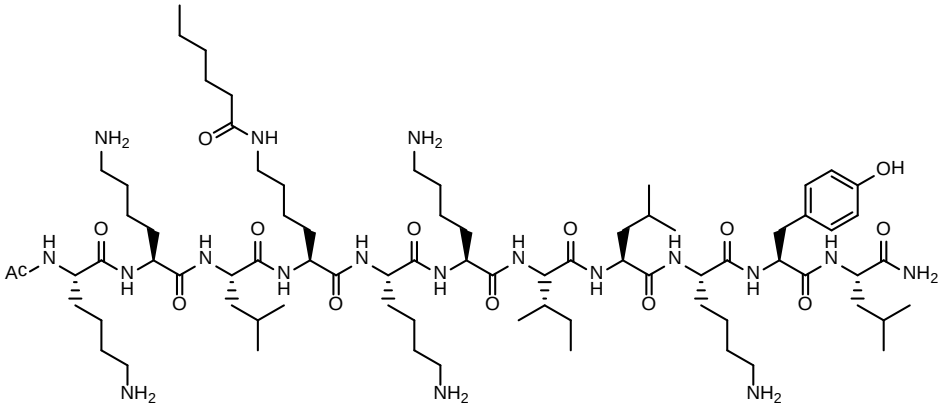

Intens.
x10^5
+MS, 218.4-230.5s #(217-229)
526.3615
395.0227
789.0387
m/z


Intens.
x10^4
+MS, 218.4-230.5s #(217-229)
788.5380
789.0387
789.5402
790.0391
790.5437
C80H138N18O14, M+nH ,1577.08
788.5393
789.0409
789.5426
790.0443
790.5460
m/z

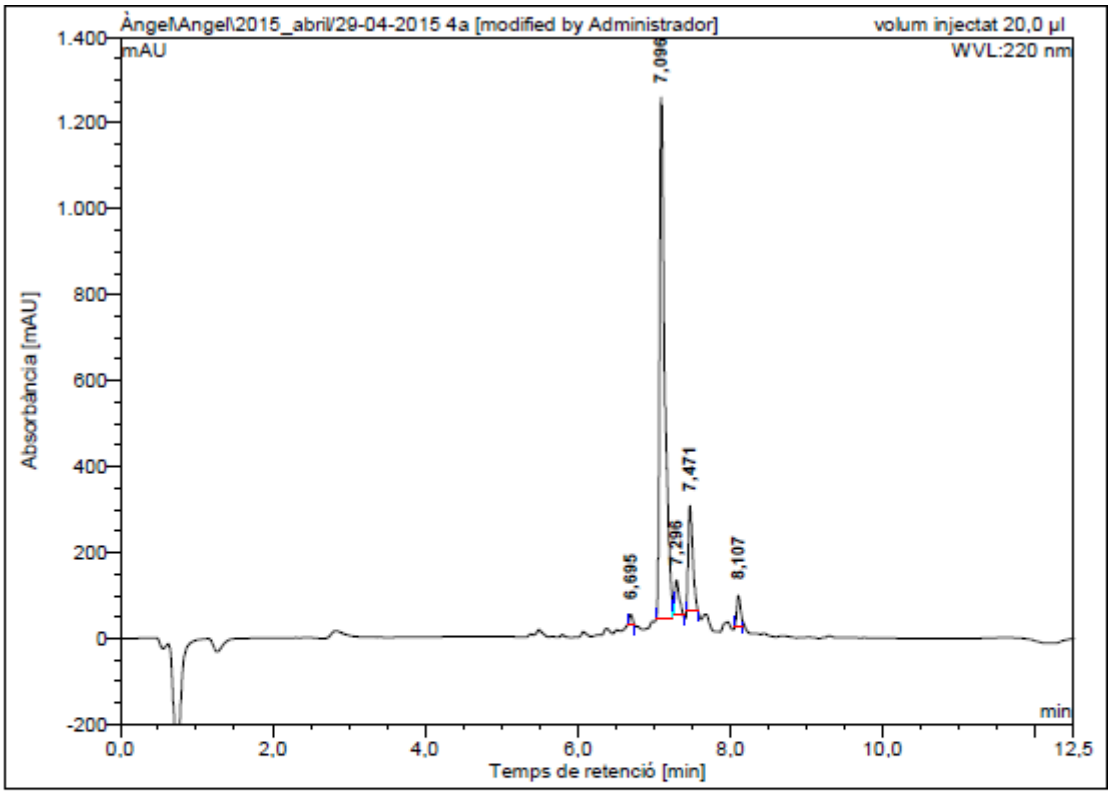

Intens.
x10^5
+MS, 218.4-230.5s #(217-229)
526.0275
526.3615
526.6949
527.0288
527.3622
527.6943
C80H138N18O14, M+nH ,1578.09
526.0286
526.3630
526.6975
527.0319
527.3664
m/z


Intens.
x10^4
+MS, 218.4-230.5s #(217-229)
394.7725
395.0227
395.2732
395.5241
395.7741
396.0208
C80H138N18O14, M+nH ,1579.10
394.7733
395.0241
395.2749
395.5258
395.7766
m/z

Ac-Lys-Lys-Leu-Lys(COC_5H_{11})-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP371)

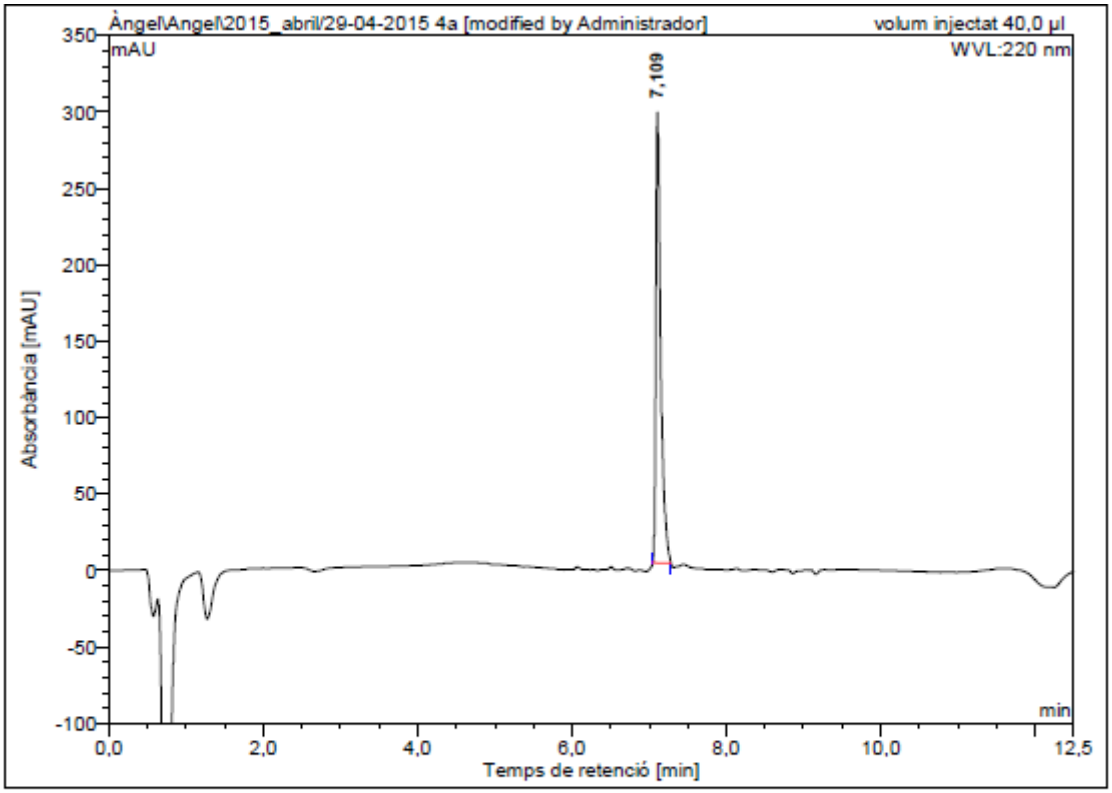


HPLC of crude peptide (λ=220 nm)



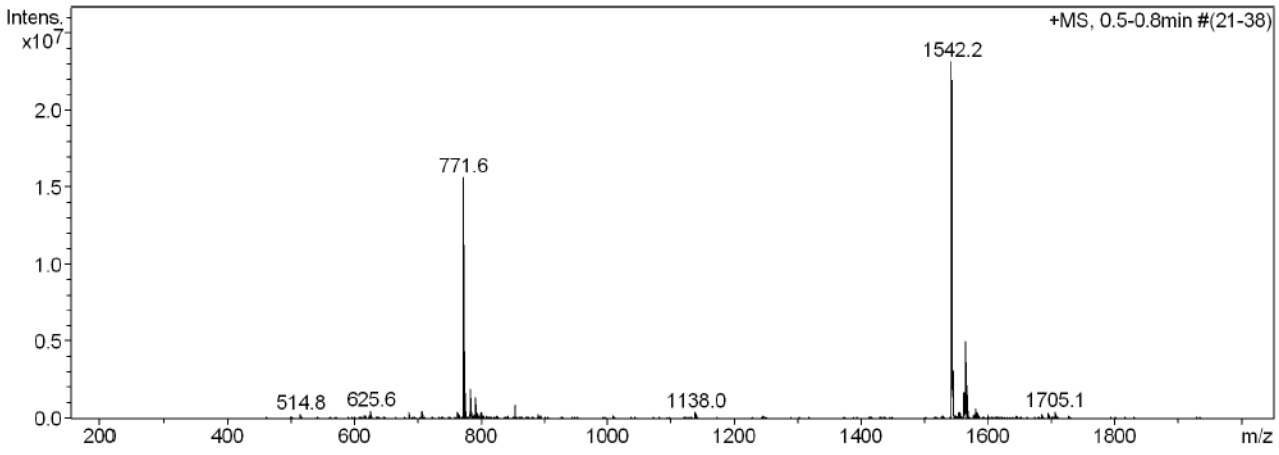
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,69	24,367	1,155	0,93
2	7,10	1213,823	97,208	77,85
3	7,30	81,648	5,491	4,40
4	7,47	245,014	16,765	13,43
5	8,11	71,929	4,245	3,40
Total:		1636,782	124,863	100,00

HPLC of purified peptide (λ=220 nm)

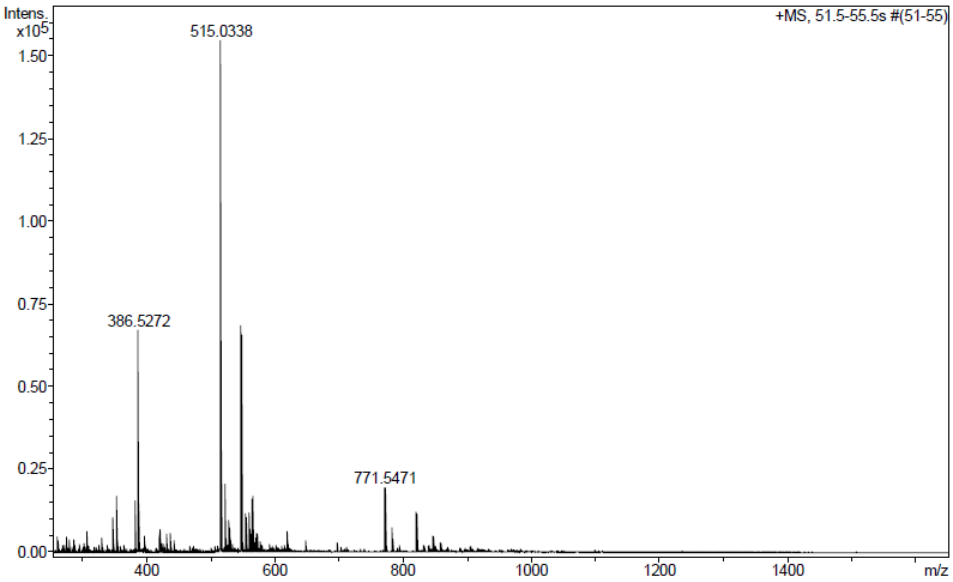


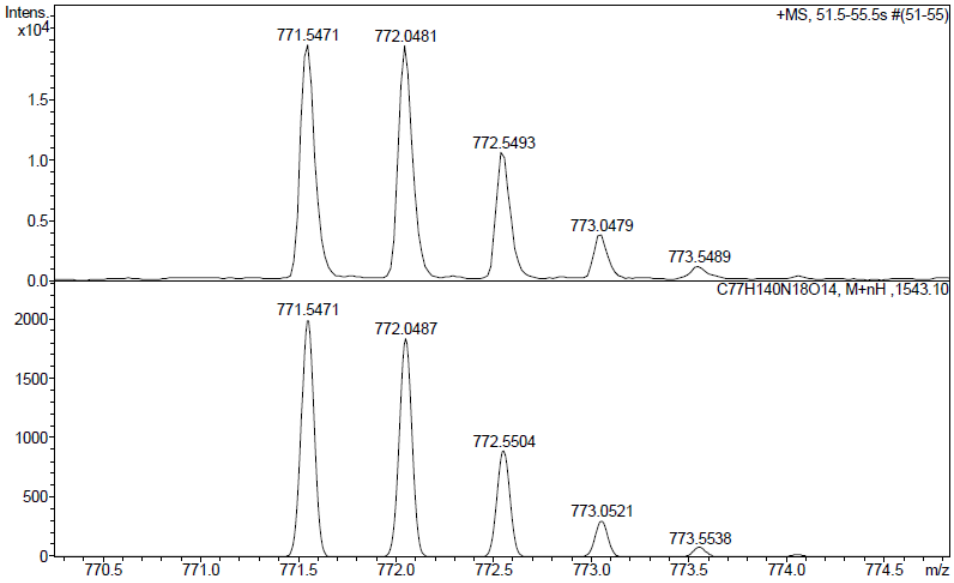
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,11	294,893	21,782	100,00
Total:		294,893	21,782	100,00

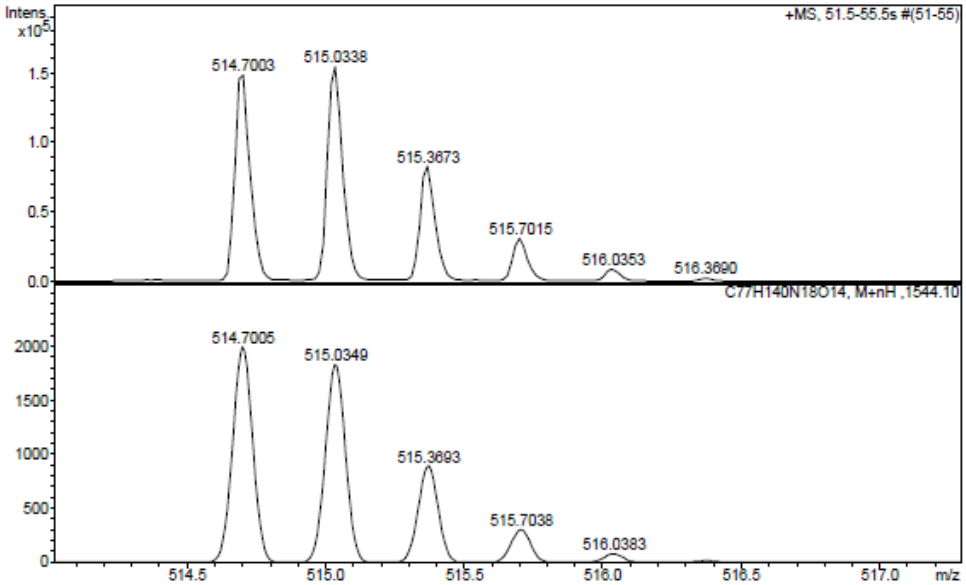
ESI-MS (*m/z*)

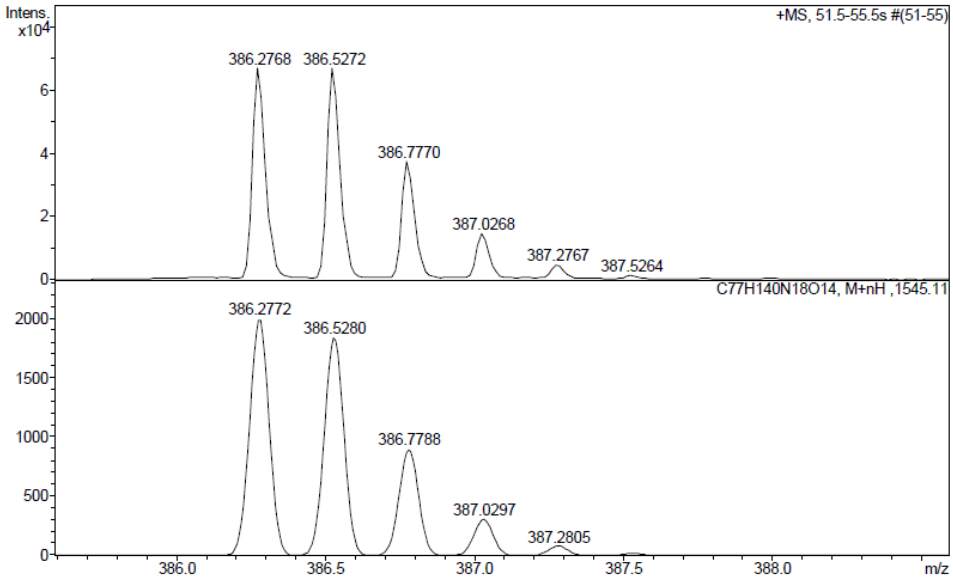


HRMS (*m/z*)

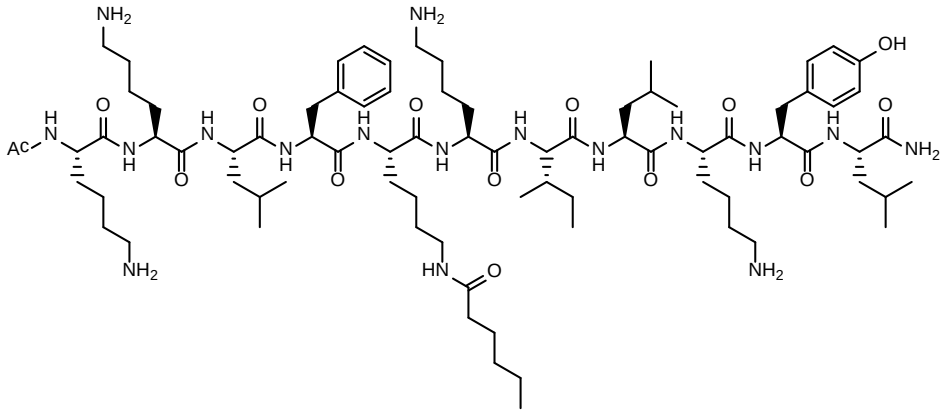

+MS, 51.5-55.5s #(51-55)
Intens.
x10^5
515.0338
386.5272
771.5471
m/z


+MS, 51.5-55.5s #(51-55)
Intens.
x10^4
771.5471
772.0481
772.5493
773.0479
773.5489
C77H140N18O14, M+nH ,1543.10
771.5471
772.0487
772.5504
773.0521
773.5538
m/z

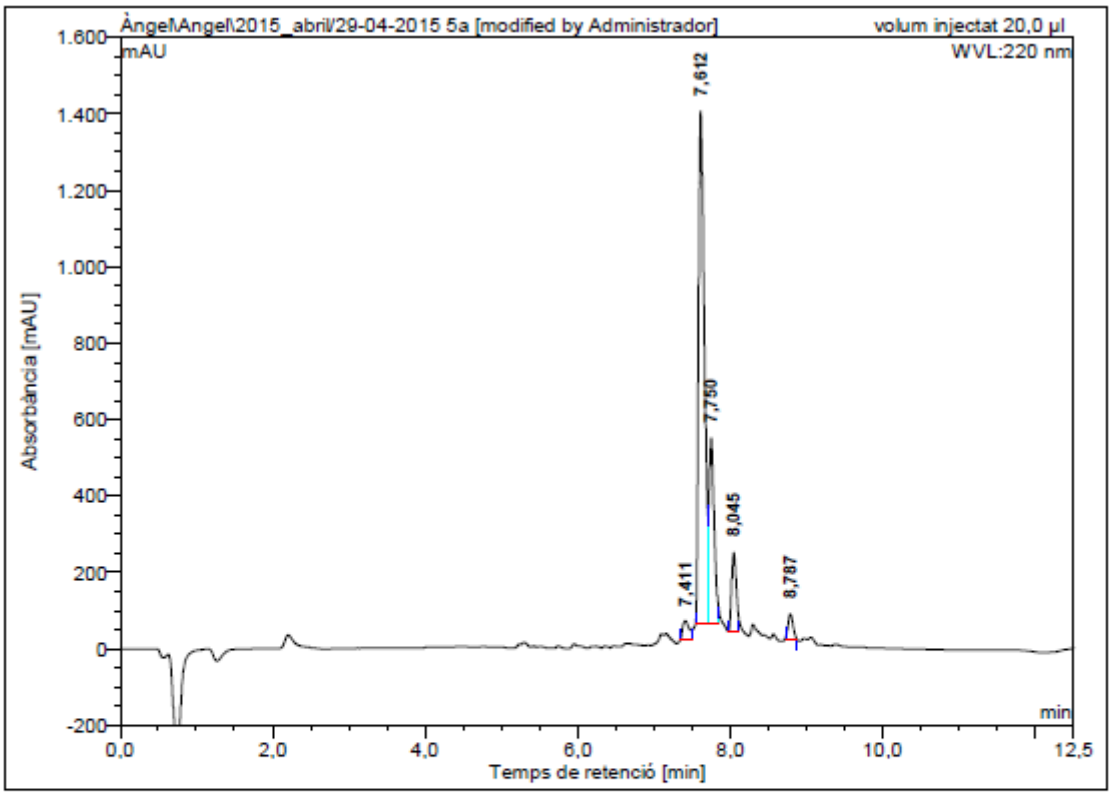

+MS, 51.5-55.5s #(51-55)
Intens.
x10^5
514.7003
515.0338
515.3673
515.7015
516.0353
516.3690
C77H140N18O14, M+nH ,1544.10
514.7005
515.0349
515.3693
515.7038
516.0383
m/z


Intens.
x10^4
+MS, 51.5-55.5s #(51-55)
386.2768
386.5272
386.7770
387.0268
387.2767
387.5264
C77H140N18O14, M+nH ,1545.11
386.2772
386.5280
386.7788
387.0297
387.2805
386.0
386.5
387.0
387.5
388.0
m/z

Ac-Lys-Lys-Leu-Phe-Lys(COC_5H_7)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP372)

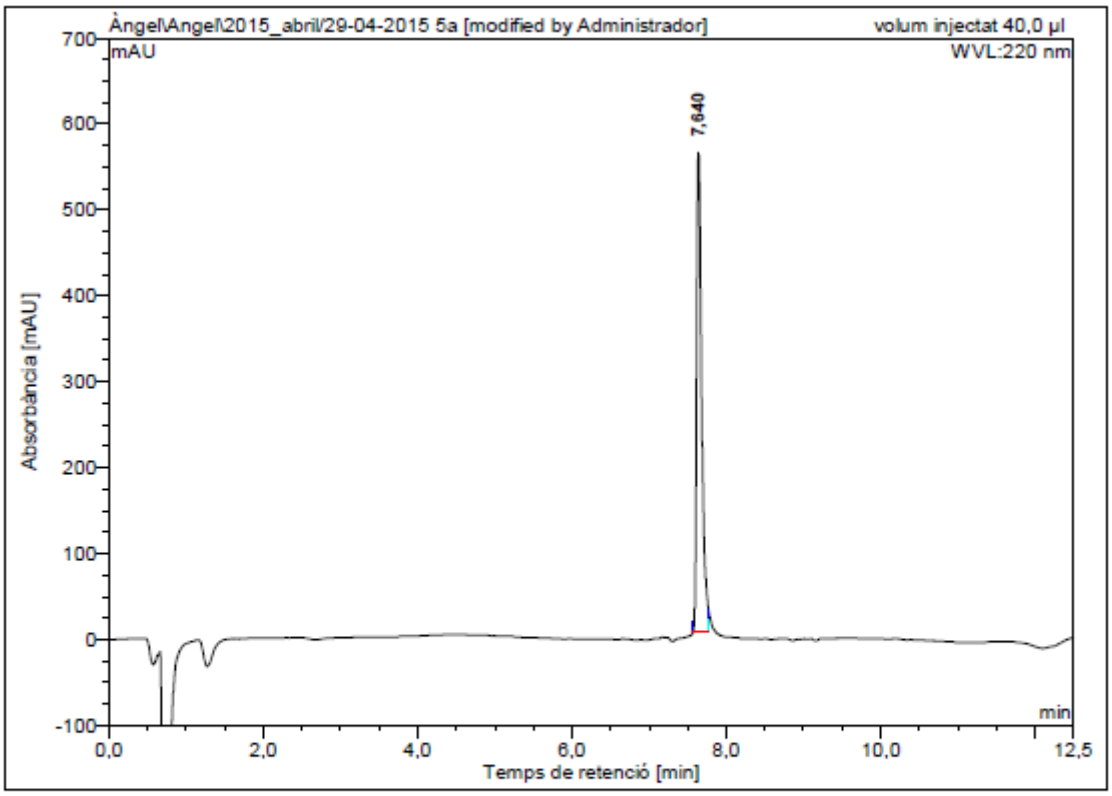


HPLC of crude peptide (λ=220 nm)



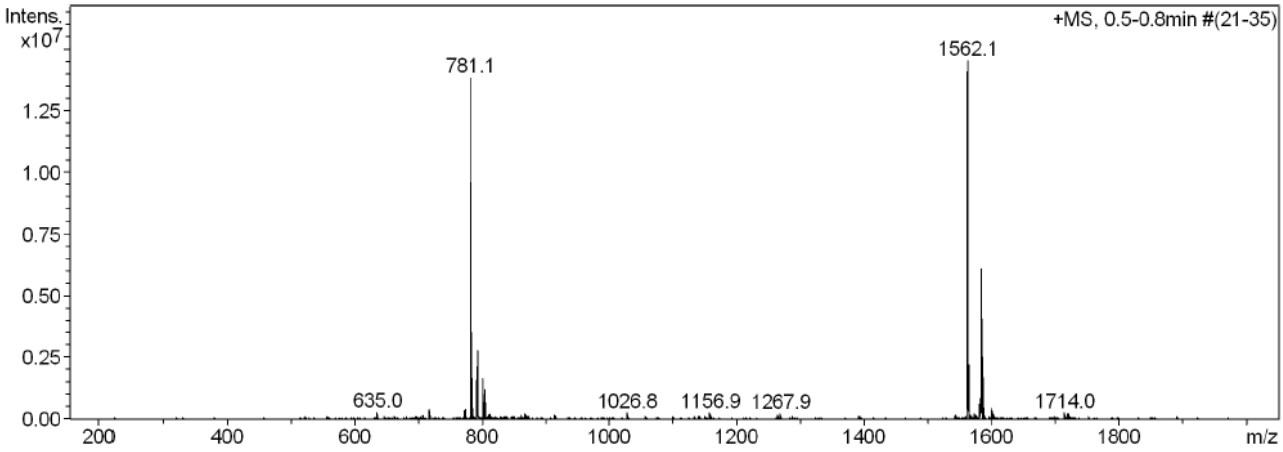
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,41	47,935	4,595	2,52
2	7,61	1340,772	118,085	64,77
3	7,75	485,876	39,491	21,66
4	8,05	205,759	15,107	8,29
5	8,79	66,449	5,022	2,75
Total:		2146,790	182,300	100,00

HPLC of purified peptide (λ=220 nm)

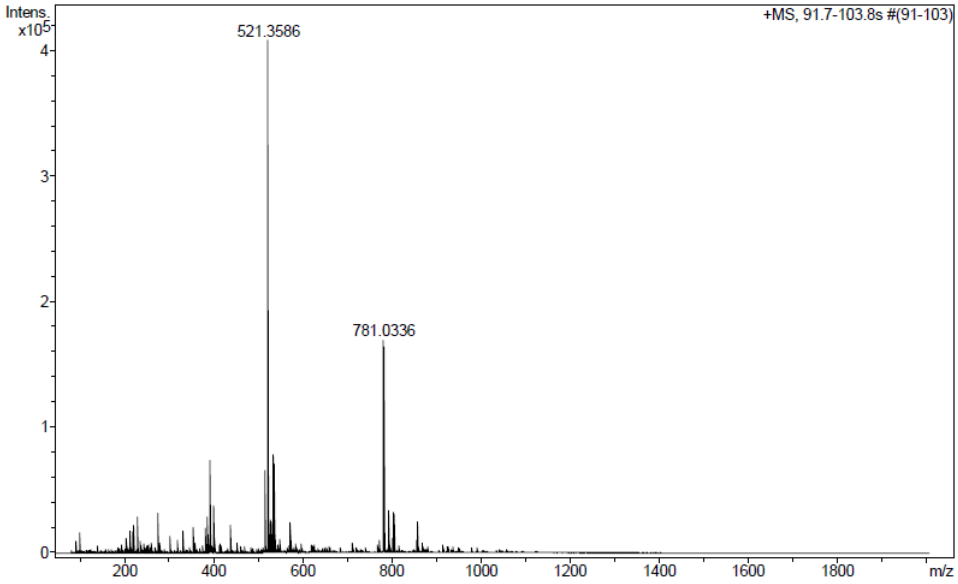


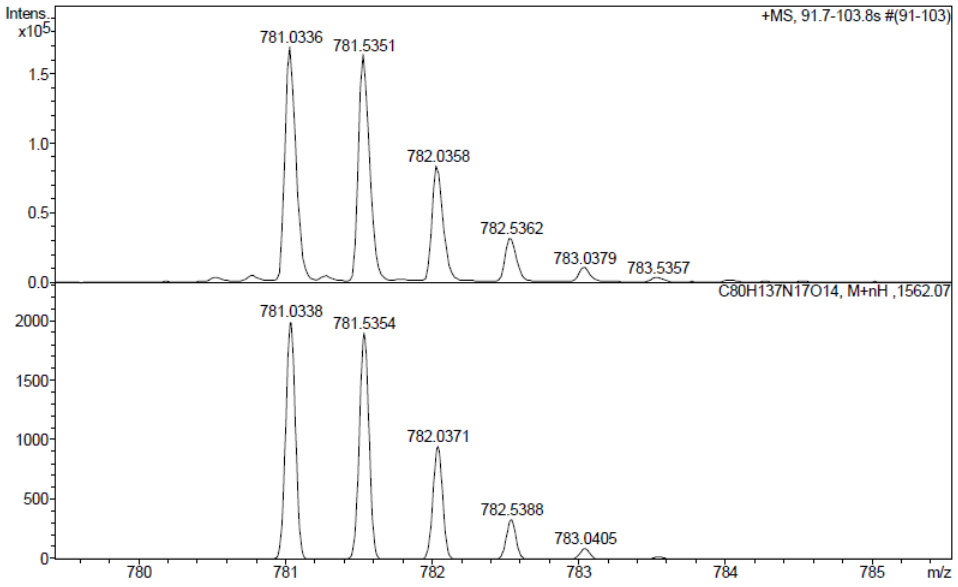
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,64	558,375	42,439	100,00
Total:		558,375	42,439	100,00

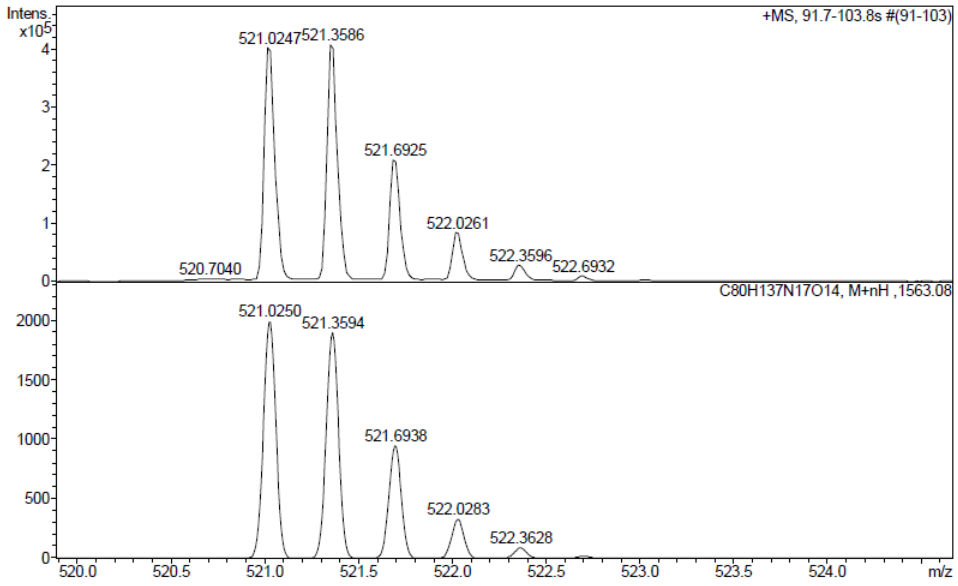
ESI-MS (*m/z*)

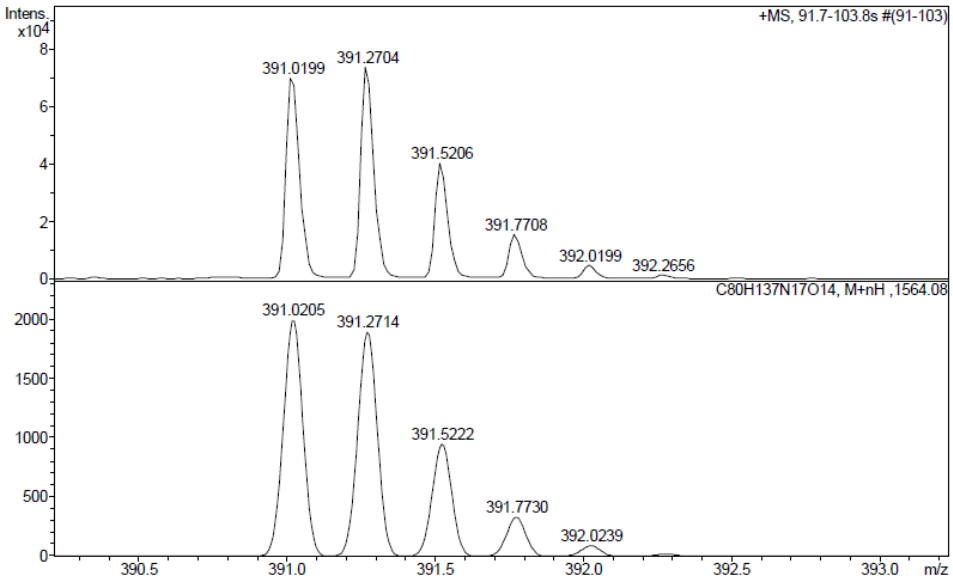


HRMS (*m/z*)

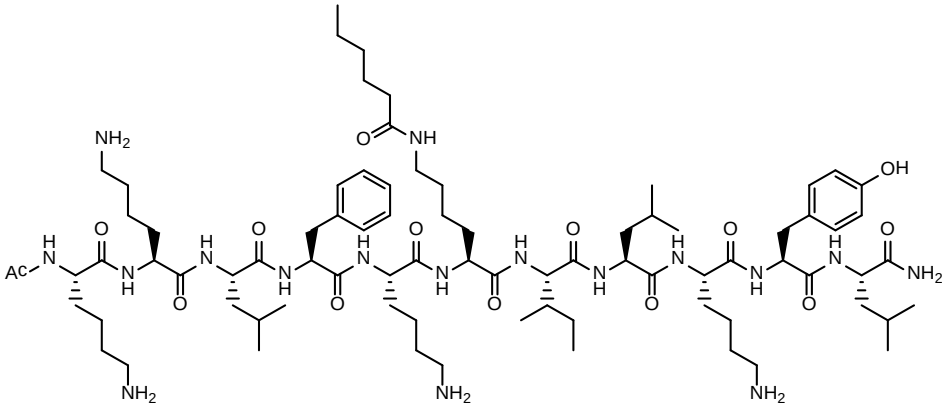

Intens.
x10^5
+MS, 91.7-103.8s #(91-103)
521.3586
781.0336
m/z


Intens.
x10^5
+MS, 91.7-103.8s #(91-103)
781.0336
781.5351
782.0358
782.5362
783.0379
783.5357
C80H137N17O14, M+nH ,1562.07
781.0338
781.5354
782.0371
782.5388
783.0405
m/z

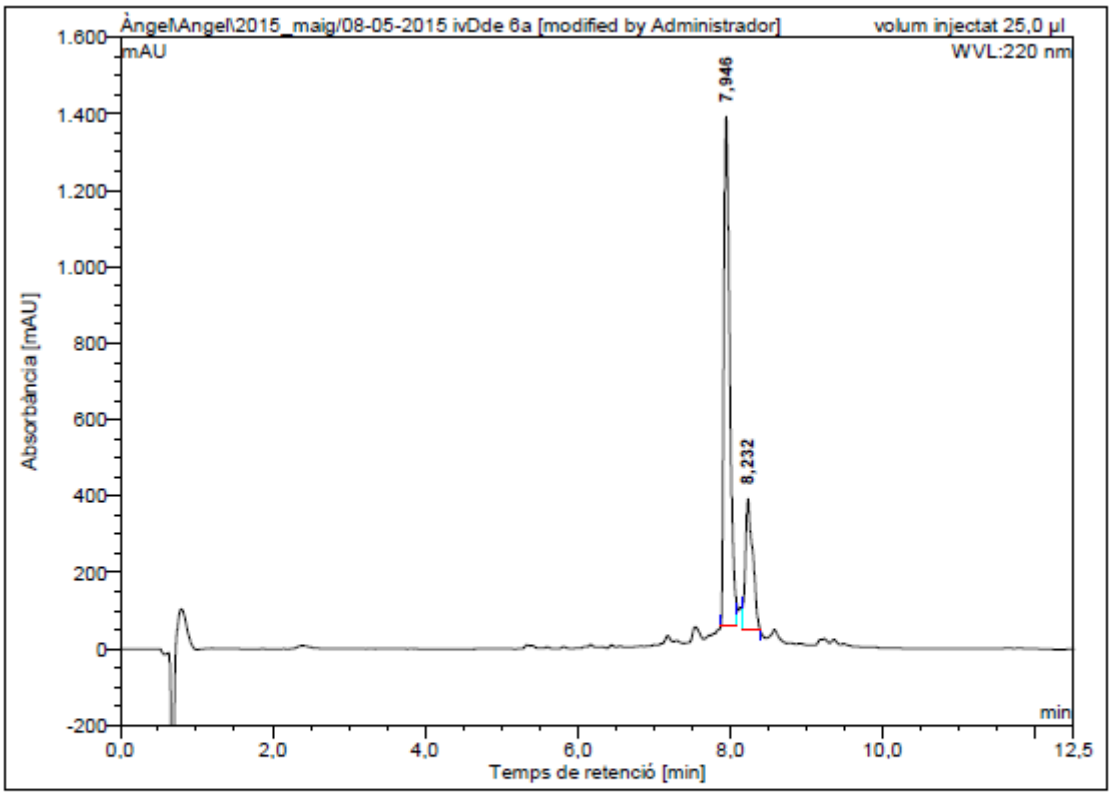

Intens.
x10^5
+MS, 91.7-103.8s #(91-103)
521.0247
521.3586
521.6925
522.0261
520.7040
522.3596
522.6932
C80H137N17O14, M+nH ,1563.08
521.0250
521.3594
521.6938
522.0283
522.3628
m/z


Intens.
x10^4
+MS, 91.7-103.8s #(91-103)
391.0199
391.2704
391.5206
391.7708
392.0199
392.2656
C80H137N17O14, M+nH ,1564.08
391.0205
391.2714
391.5222
391.7730
392.0239
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_5H_{11})-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP373)

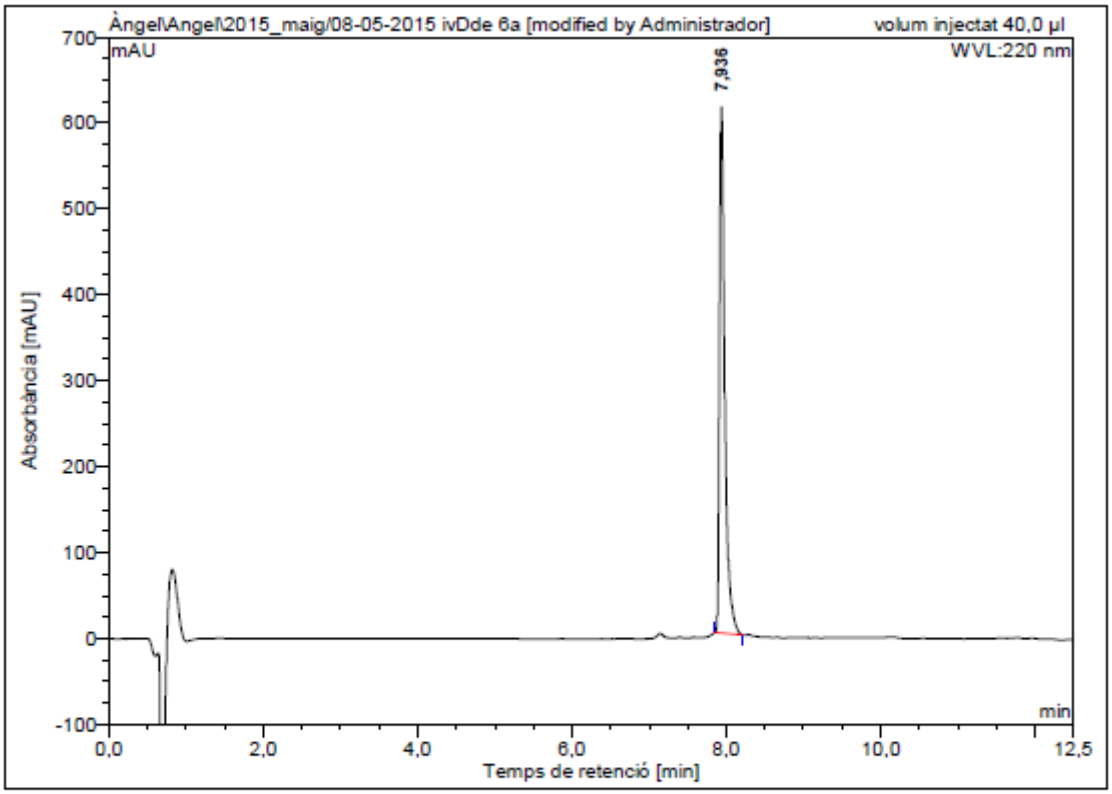


HPLC of crude peptide (λ=220 nm)



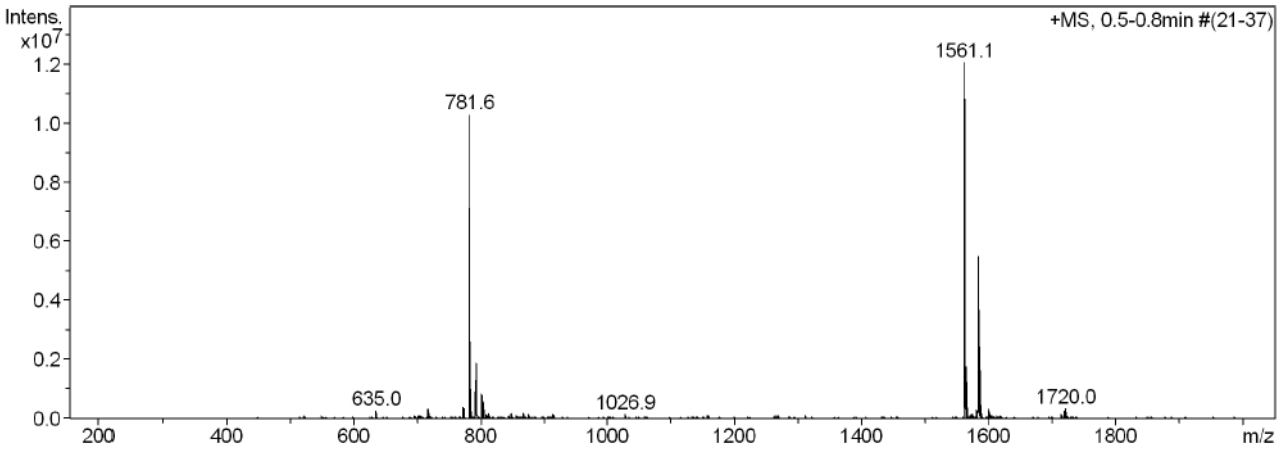
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,95	1332,447	118,517	75,92
2	8,23	340,877	37,595	24,08
Total:		1673,324	156,113	100,00

HPLC of purified peptide (λ=220 nm)

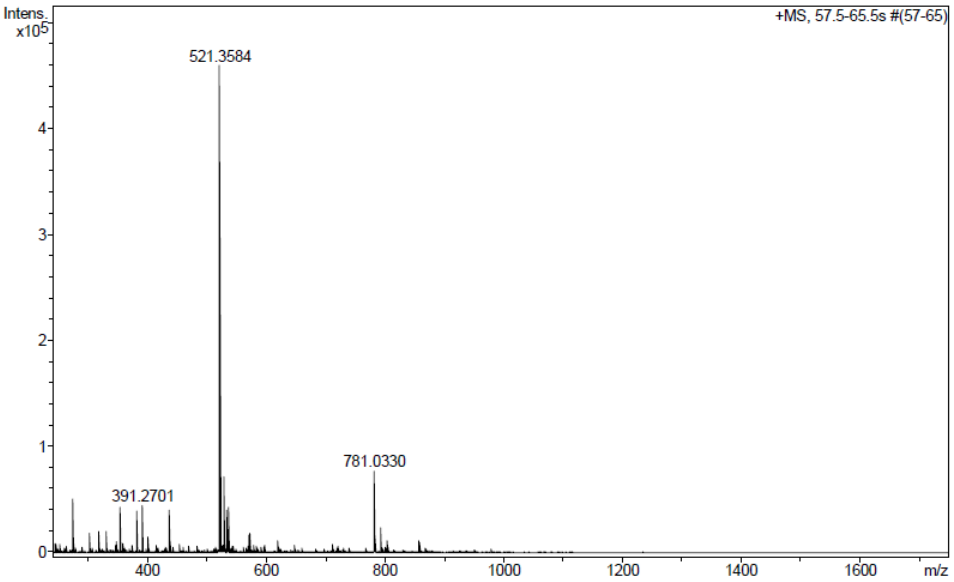


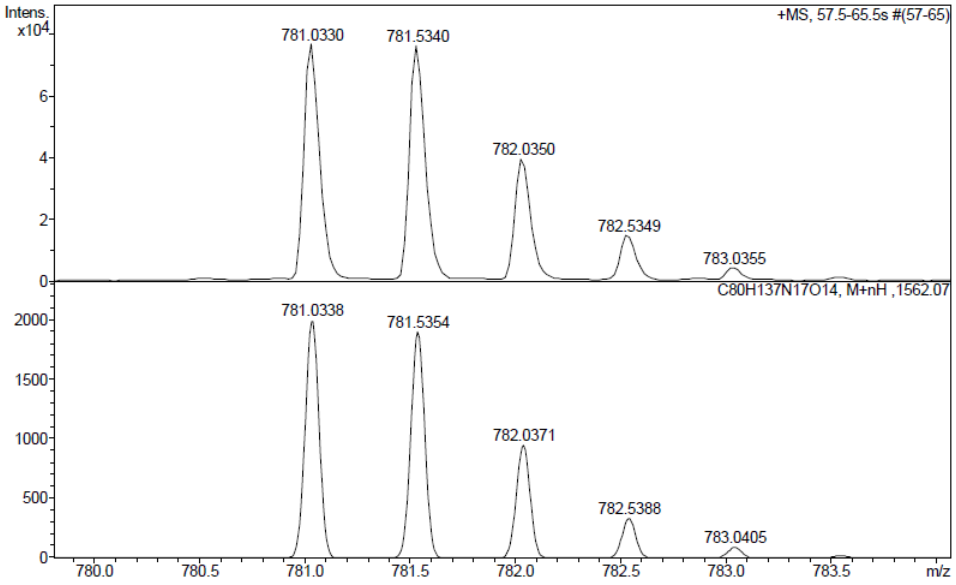
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,94	612,471	49,315	100,00
Total:		612,471	49,315	100,00

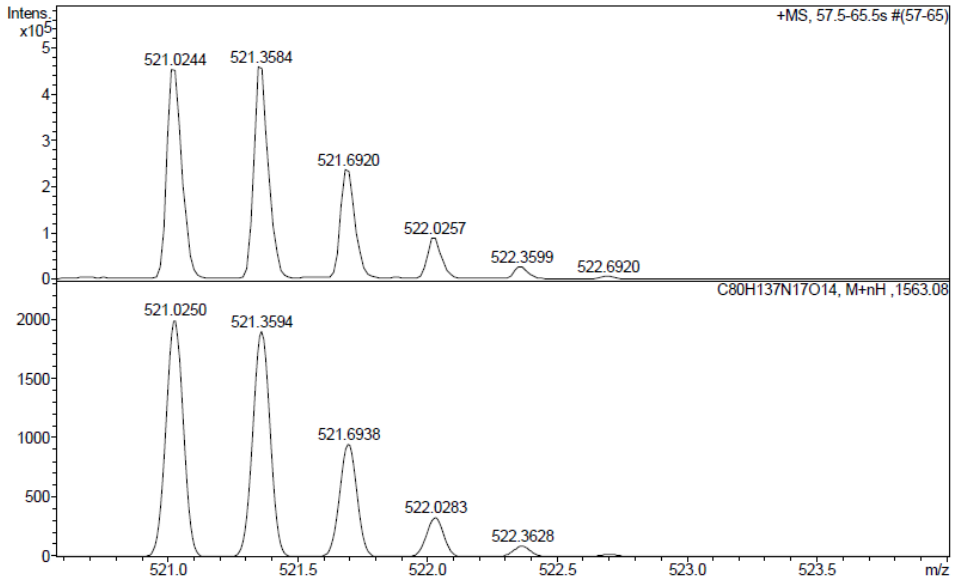
ESI-MS (*m/z*)



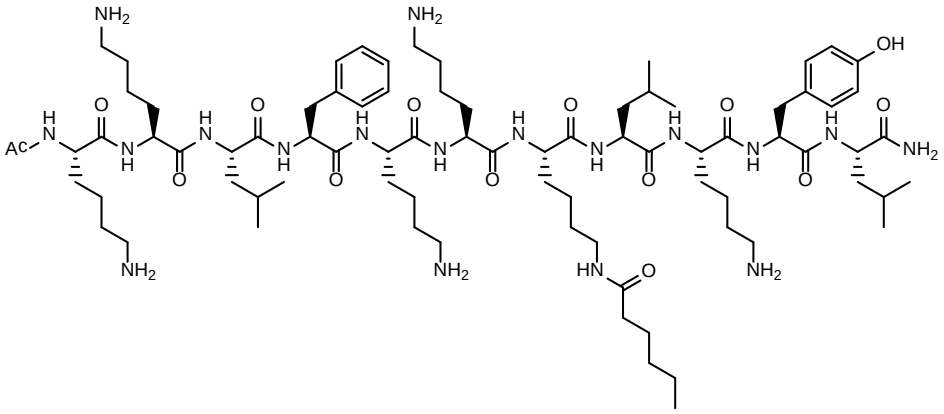
HRMS (*m/z*)


Intens.
x10^5
+MS, 57.5-65.5s #(57-65)
521.3584
781.0330
391.2701
m/z

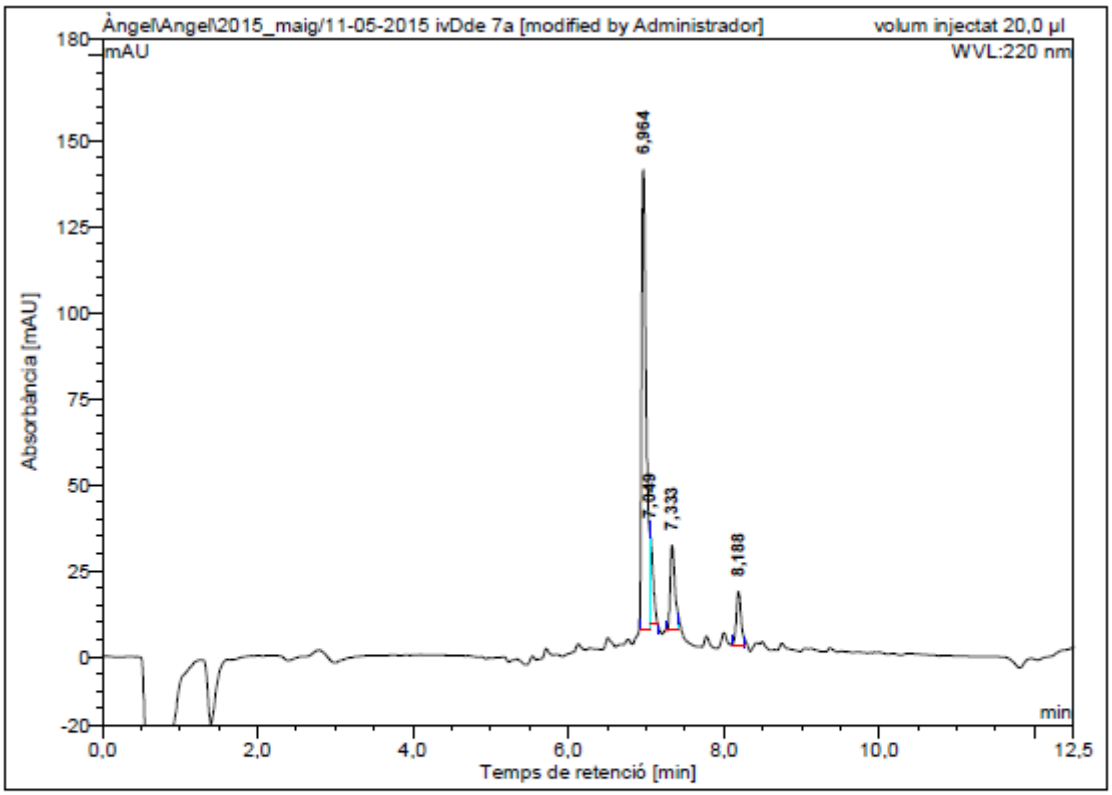

Intens.
x10^4
+MS, 57.5-65.5s #(57-65)
781.0330
781.5340
782.0350
782.5349
783.0355
C80H137N17O14, M+nH ,1562.07
781.0338
781.5354
782.0371
782.5388
783.0405
m/z


Intens.
x10^5
+MS, 57.5-65.5s #(57-65)
521.0244
521.3584
521.6920
522.0257
522.3599
522.6920
C80H137N17O14, M+nH ,1563.08
521.0250
521.3594
521.6938
522.0283
522.3628
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_5H_{11})-Leu-Lys-Tyr-Leu-NH_2 (BP374)

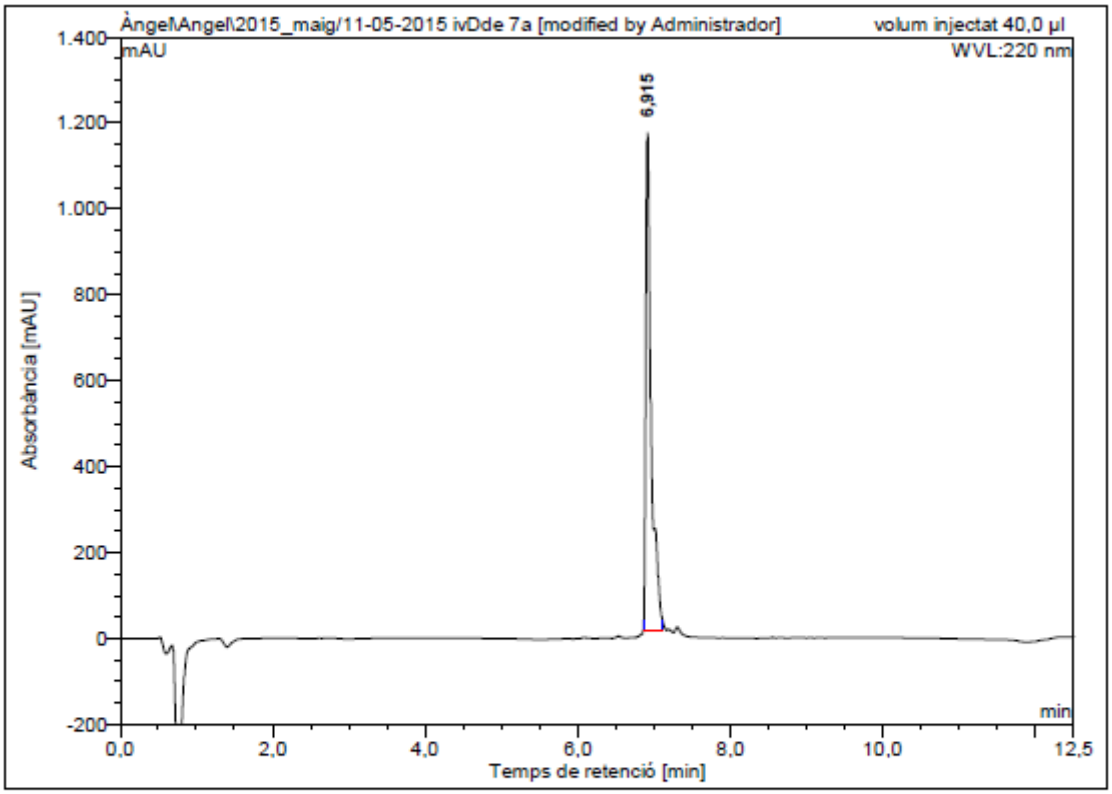


HPLC of crude peptide (λ=220 nm)



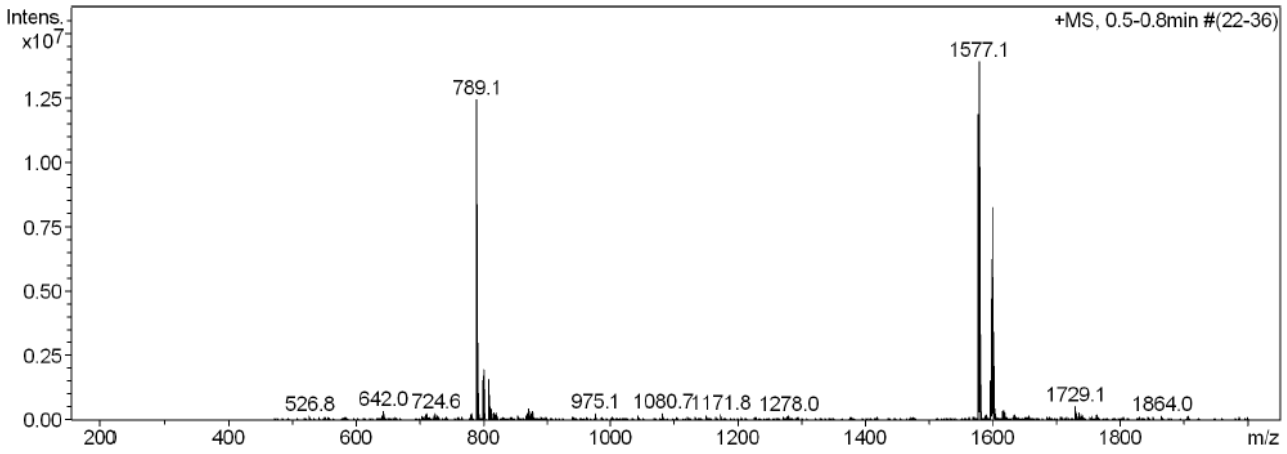
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,96	133,525	9,002	68,96
2	7,05	26,348	1,253	9,60
3	7,33	24,700	1,724	13,20
4	8,19	15,596	1,075	8,23
Total:		200,170	13,054	100,00

HPLC of purified peptide (λ=220 nm)

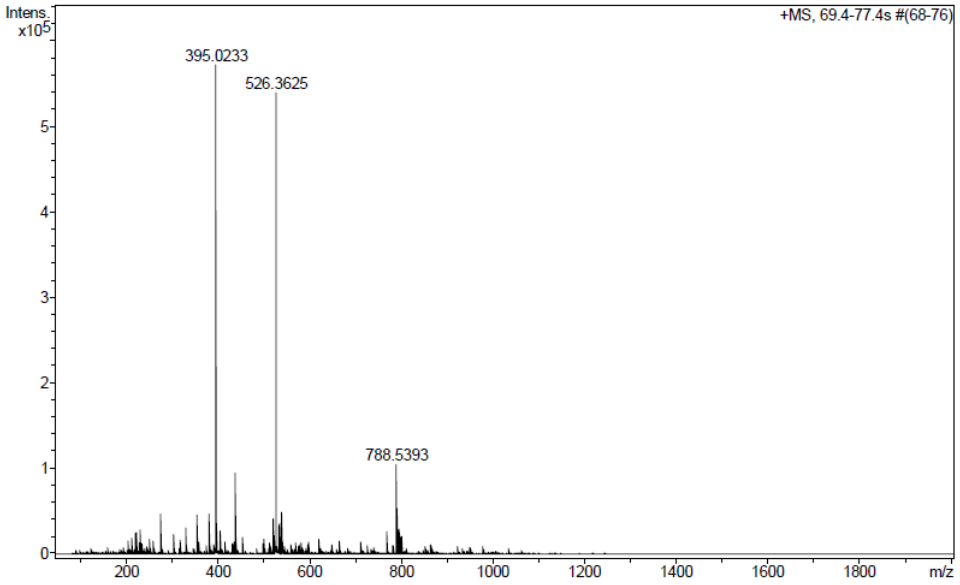


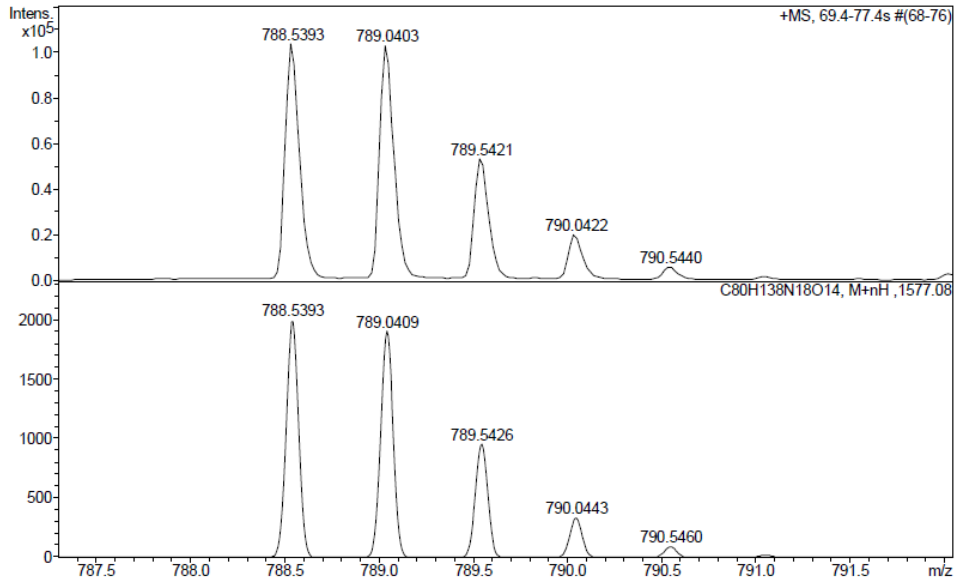
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,91	1158,422	95,276	100,00
Total:		1158,422	95,276	100,00

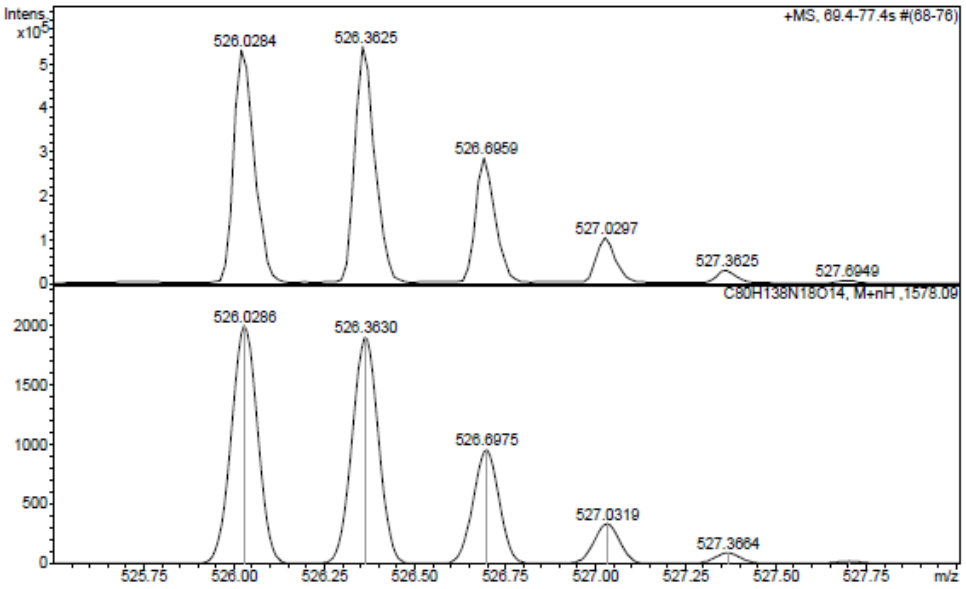
ESI-MS (*m/z*)

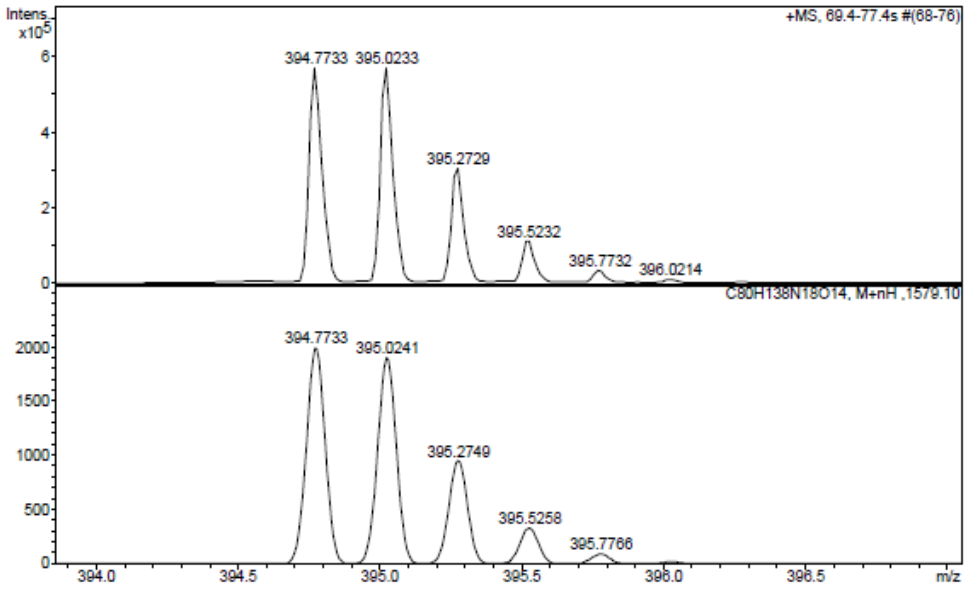


HRMS (*m/z*)

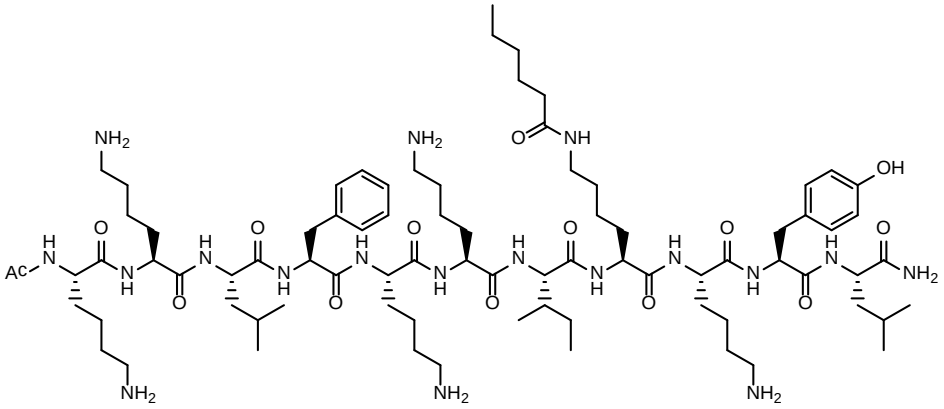

Intens.
x10^5
+MS, 69.4-77.4s #(68-76)
395.0233
526.3625
788.5393
m/z


Intens.
x10^5
+MS, 69.4-77.4s #(68-76)
788.5393
789.0403
789.5421
790.0422
790.5440
C80H138N18O14, M+nH ,1577.08
788.5393
789.0409
789.5426
790.0443
790.5460
m/z

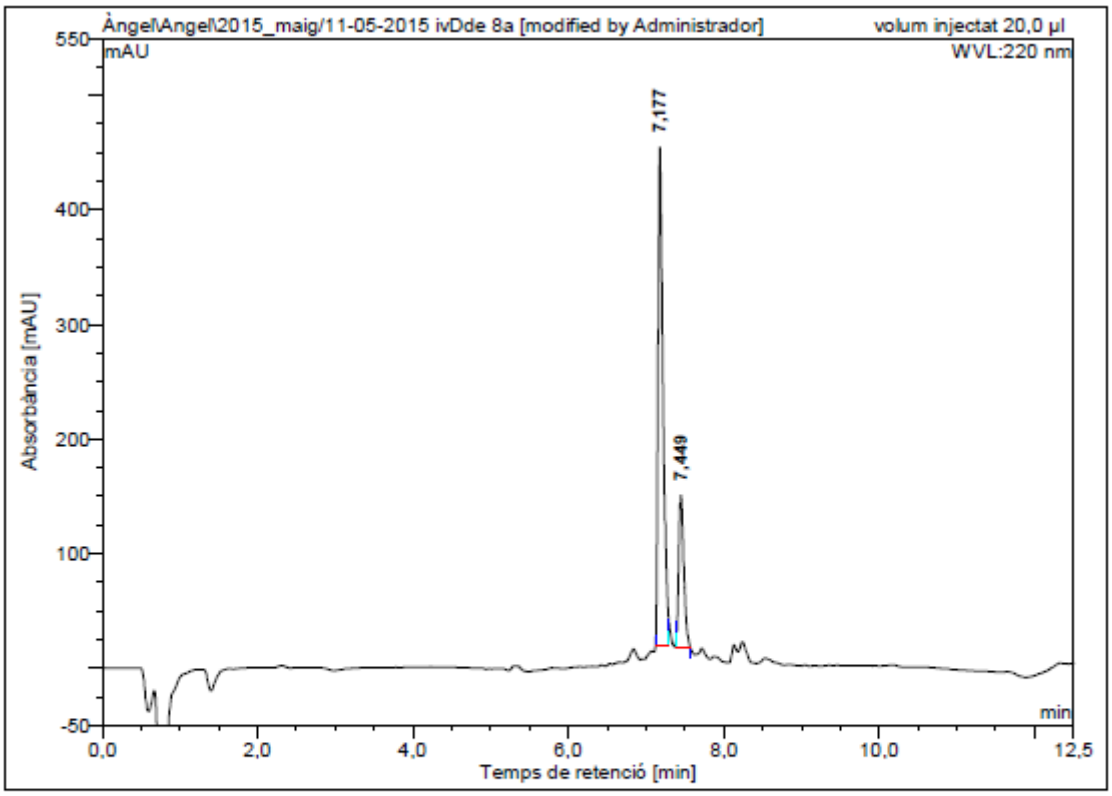

Intens.
x10^5
+MS, 69.4-77.4s #(68-76)
526.0284
526.3625
526.6959
527.0297
527.3625
527.6949
C80H138N18O14, M+nH ,1578.09
526.0286
526.3630
526.6975
527.0319
527.3664
m/z


Intens.
x10^5
+MS, 69.4-77.4s #(68-76)
394.7733
395.0233
395.2729
395.5232
395.7732
396.0214
C80H138N18O14, M+nH, 1579.10
394.7733
395.0241
395.2749
395.5258
395.7766
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_5H_{11})-Lys-Tyr-Leu-NH_2 (BP375)

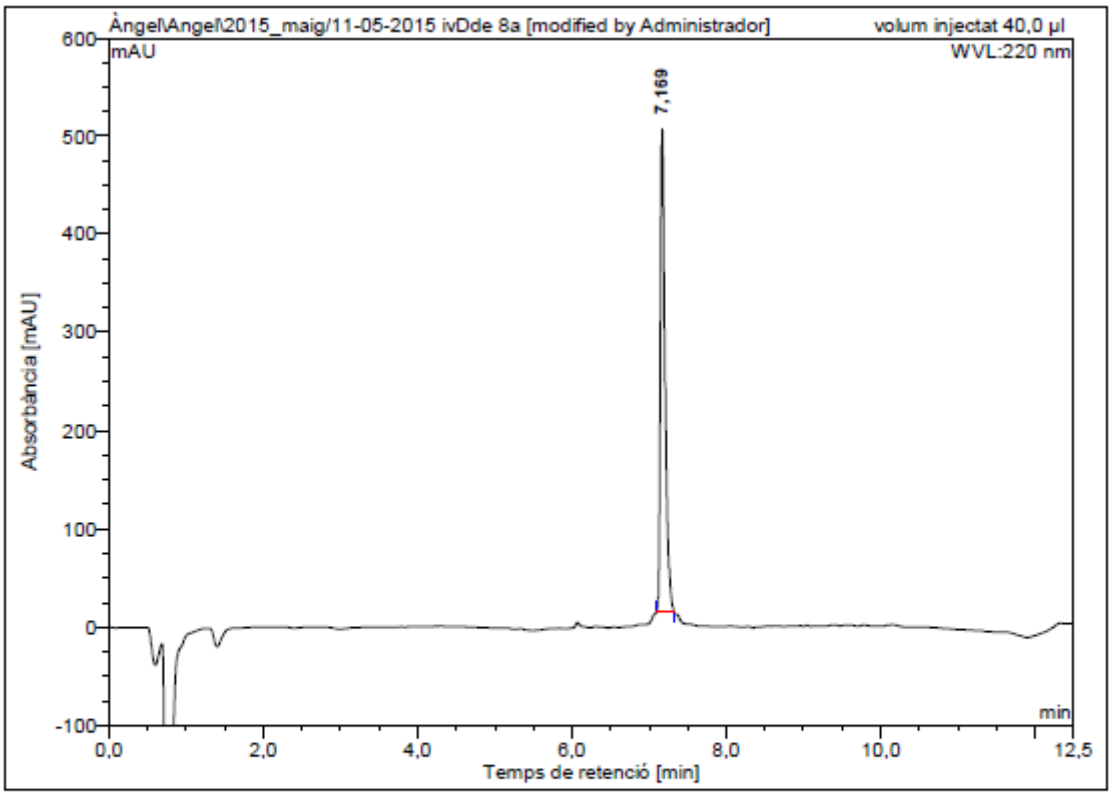


HPLC of crude peptide (λ=220 nm)



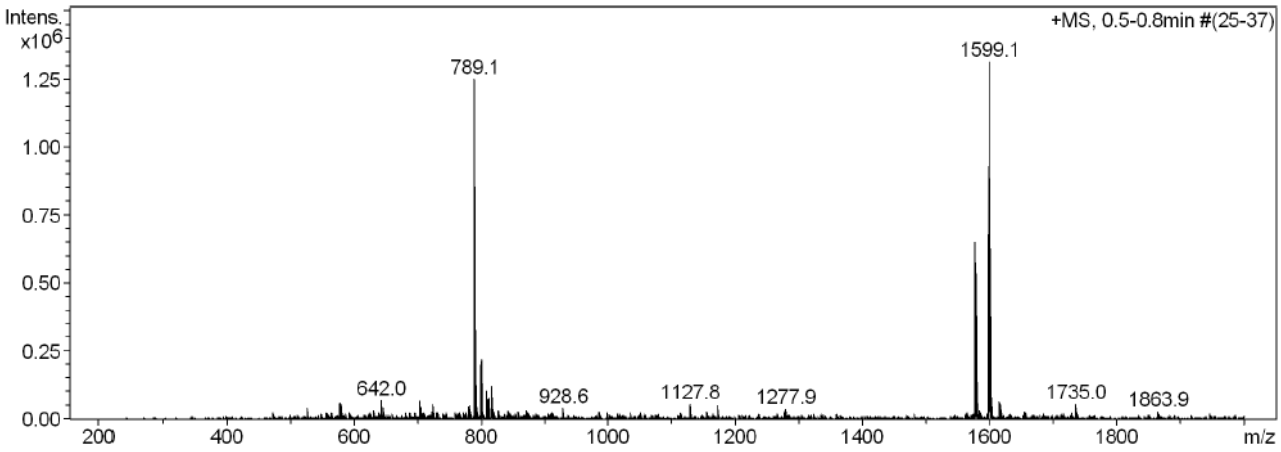
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,18	434,330	31,911	75,93
2	7,45	132,639	10,117	24,07
Total:		566,969	42,028	100,00

HPLC of purified peptide (λ=220 nm)

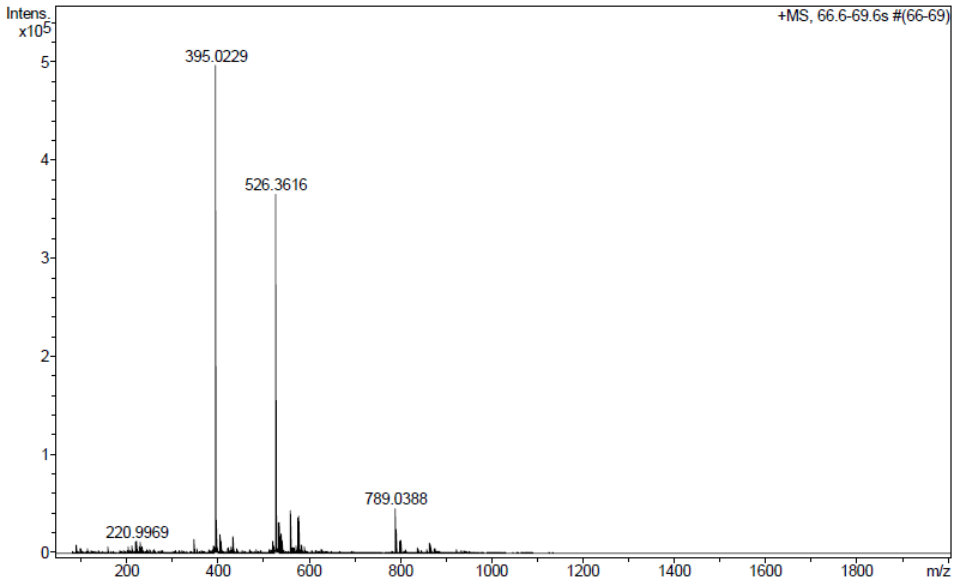


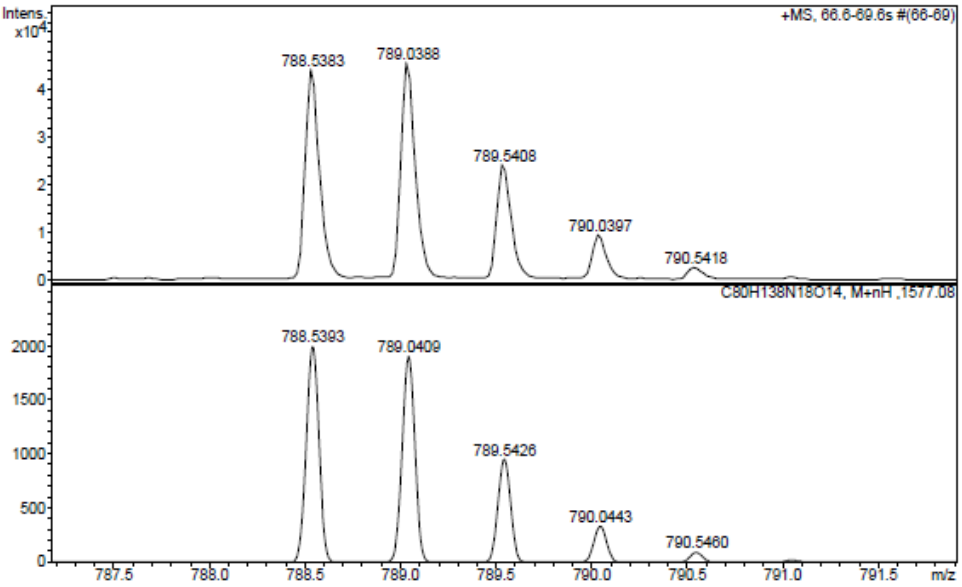
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,17	491,684	34,711	100,00
Total:		491,684	34,711	100,00

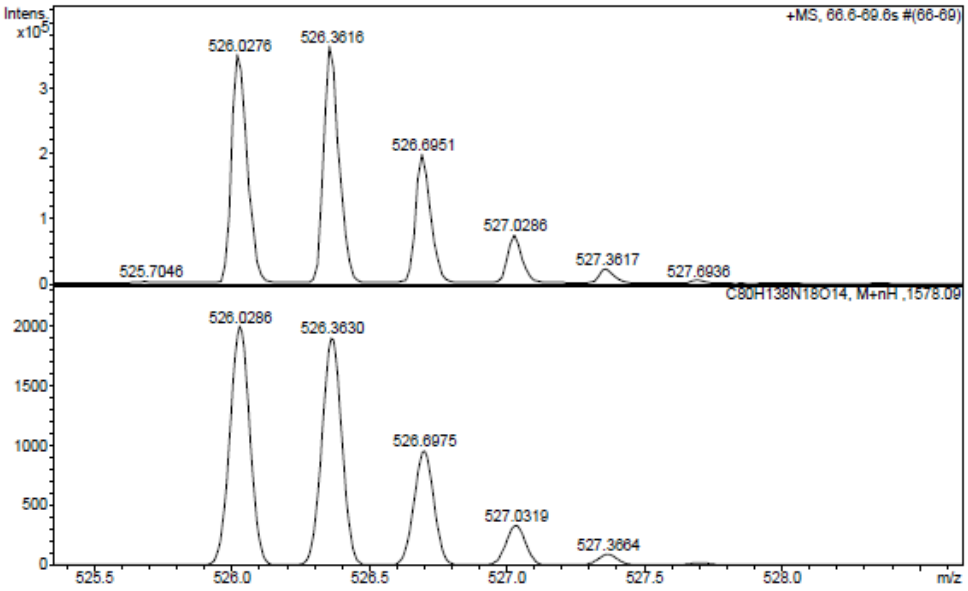
ESI-MS (*m/z*)

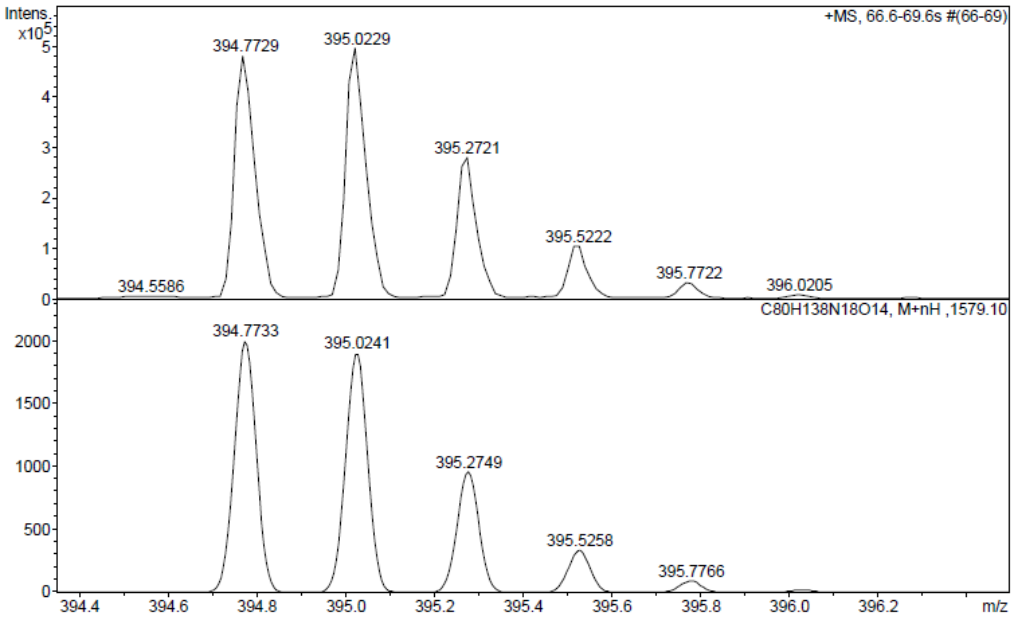


HRMS (*m/z*)

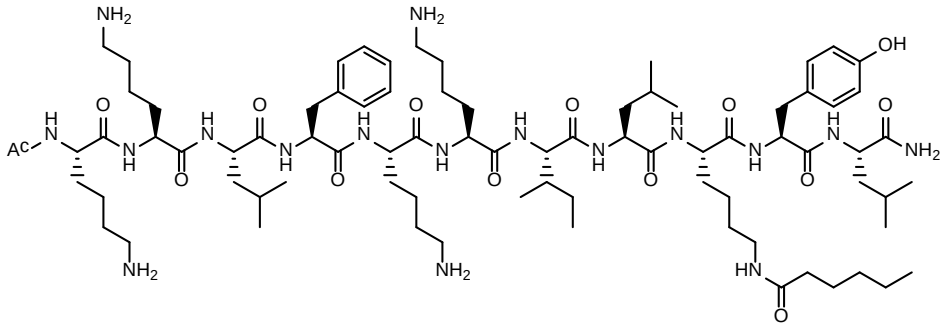

Intens.
x10^5
+MS, 66.6-69.6s #(66-69)
395.0229
526.3616
789.0388
220.9969
m/z


Intens.
x10^4
+MS, 66.6-69.6s #(66-69)
788.5383
789.0388
789.5408
790.0397
790.5418
C80H138N18O14, M+nH ,1577.08
788.5393
789.0409
789.5426
790.0443
790.5460
m/z

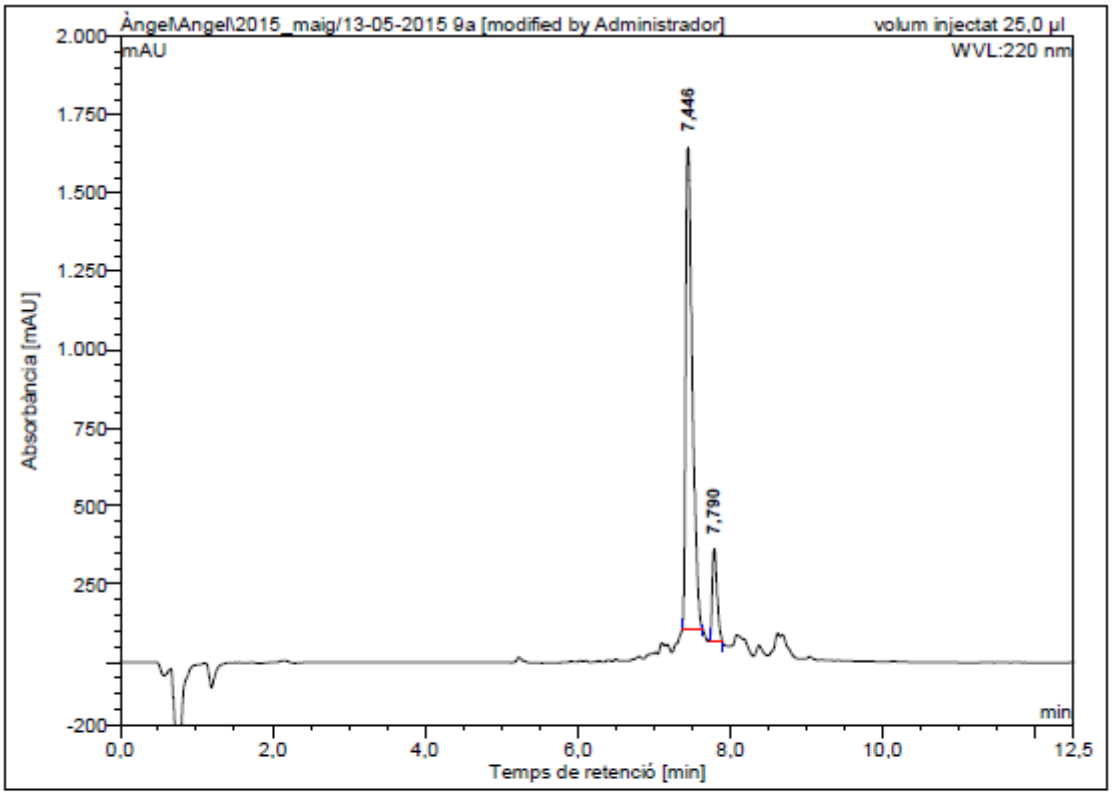

Intens.
x10^5
+MS, 66.6-69.6s #(66-69)
526.0276
526.3616
526.6951
527.0286
525.7046
527.3617
527.6936
C80H138N18O14, M+nH ,1578.09
526.0286
526.3630
526.6975
527.0319
527.3664
m/z


Intens.
x10^5
+MS, 66.6-69.6s #(66-69)
394.7729
395.0229
395.2721
395.5222
395.7722
396.0205
394.5586
C80H138N18O14, M+nH ,1579.10
394.7733
395.0241
395.2749
395.5258
395.7766
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_5H_{11})-Tyr-Leu-NH_2 (BP376)

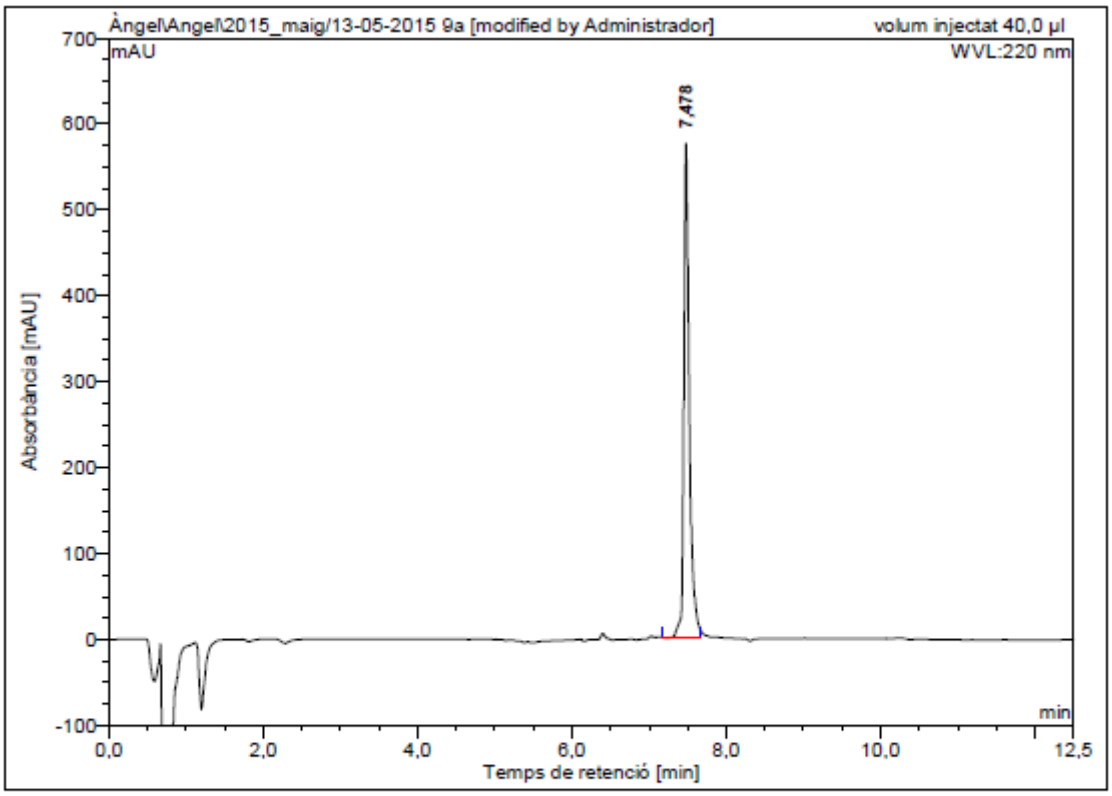


HPLC of crude peptide (λ=220 nm)



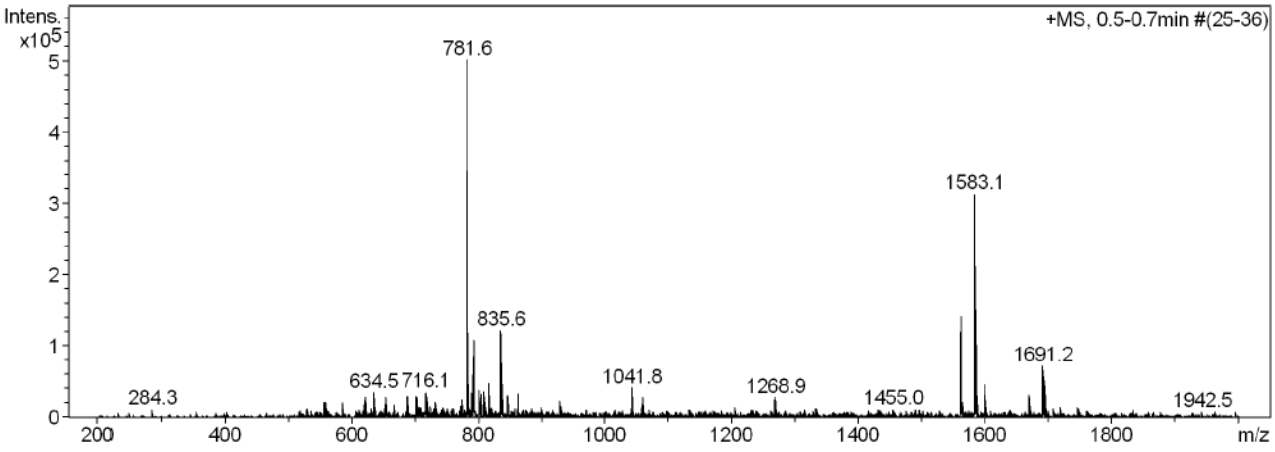
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,45	1536,958	155,833	87,70
2	7,79	298,985	21,863	12,30
Total:		1835,943	177,696	100,00

HPLC of purified peptide (λ=220 nm)

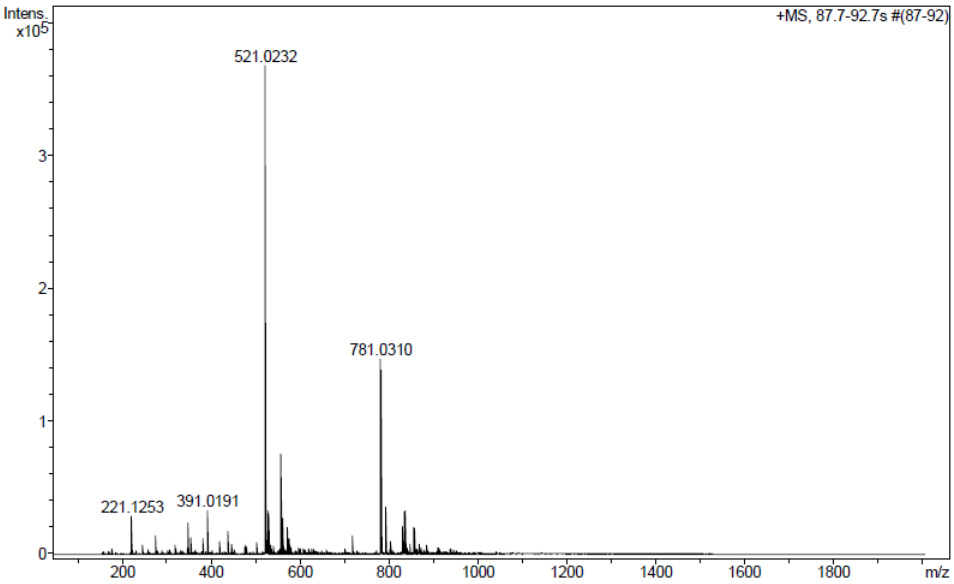


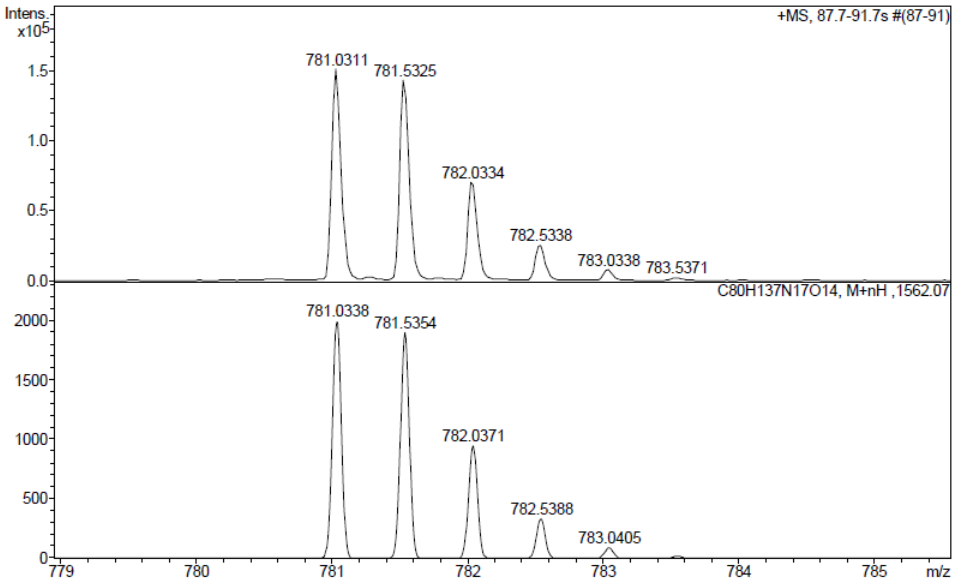
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,48	574,445	47,224	100,00
Total:		574,445	47,224	100,00

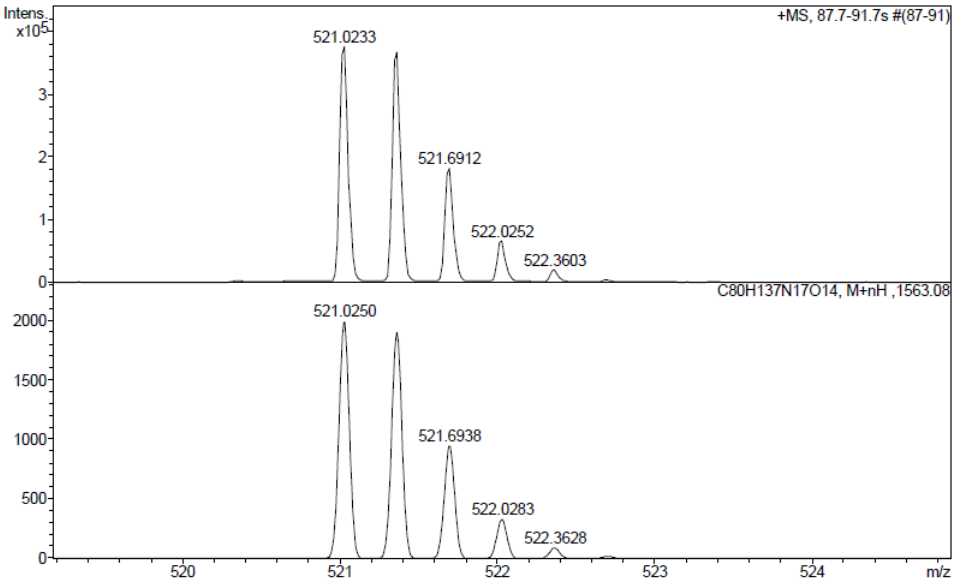
ESI-MS (*m/z*)



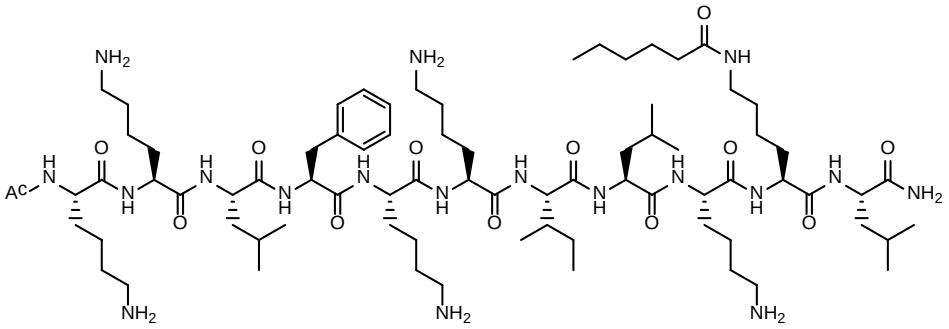
HRMS (*m/z*)


Intens.
x10^5
+MS, 87.7-92.7s #(87-92)
521.0232
781.0310
221.1253
391.0191
m/z

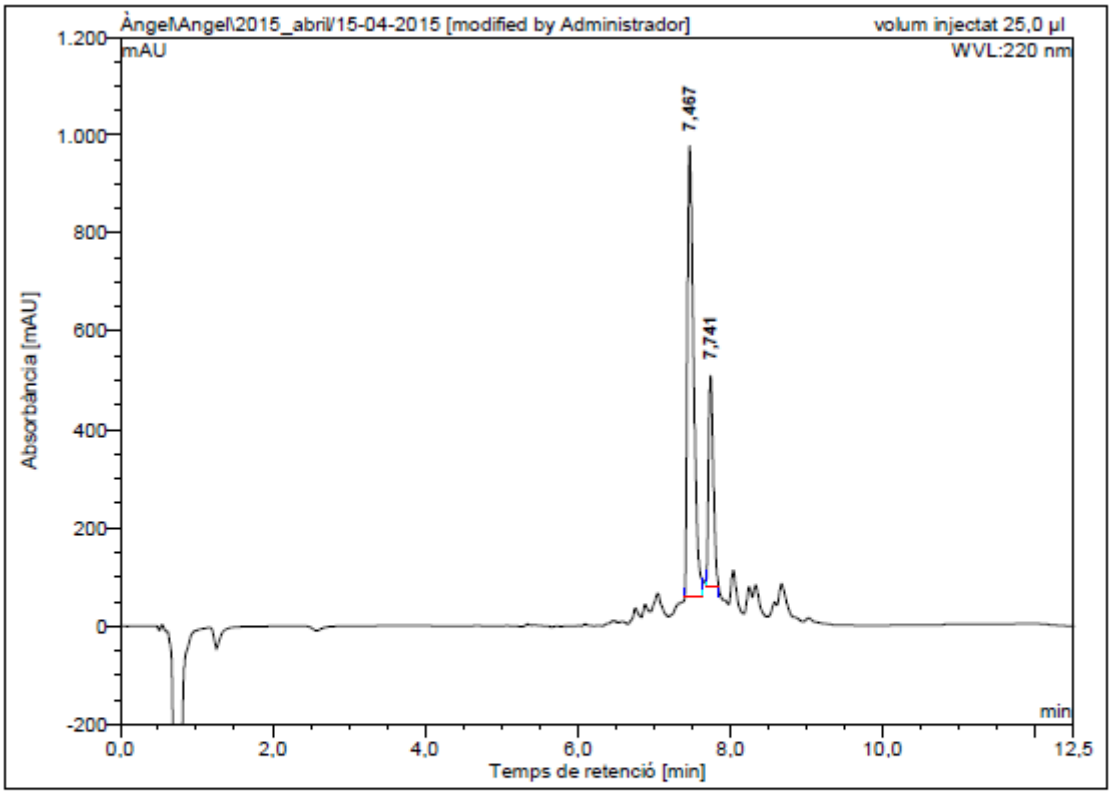

Intens.
x10^5
+MS, 87.7-91.7s #(87-91)
781.0311
781.5325
782.0334
782.5338
783.0338
783.5371
C80H137N17O14, M+nH ,1562.07
781.0338
781.5354
782.0371
782.5388
783.0405
m/z


Intens.
x10^5
+MS, 87.7-91.7s #(87-91)
521.0233
521.6912
522.0252
522.3603
C80H137N17O14, M+nH ,1563.08
521.0250
521.6938
522.0283
522.3628
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_5H_{11})-Leu-NH_2 (BP377)

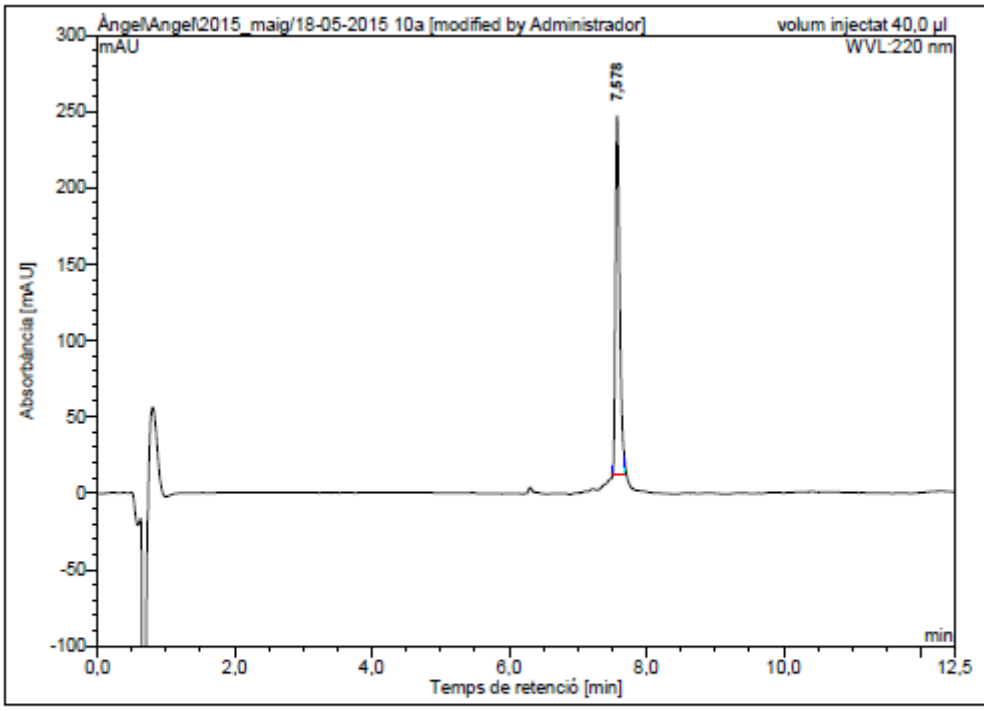


HPLC of crude peptide (λ=220 nm)



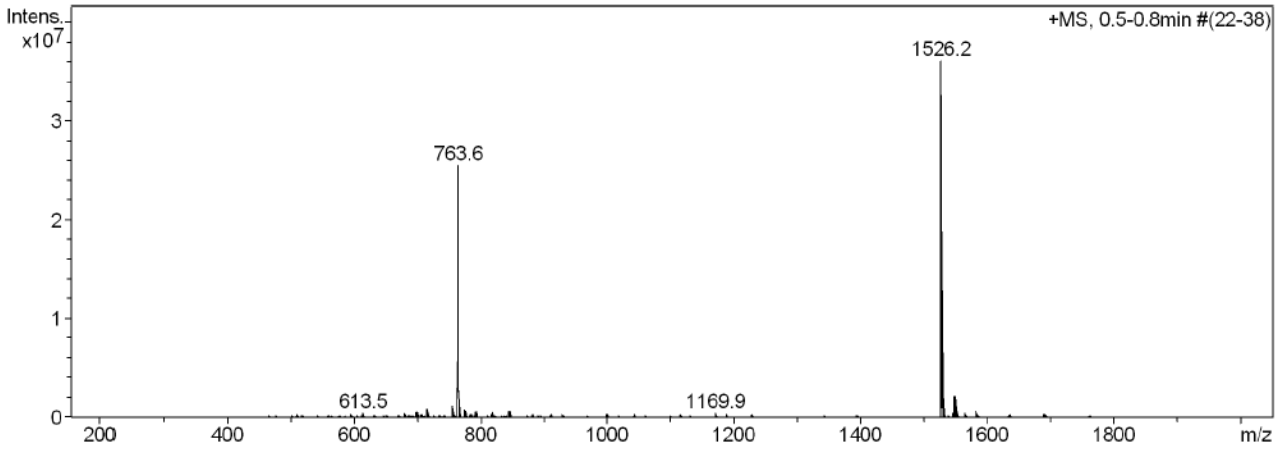
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,47	918,568	86,749	73,19
2	7,74	430,457	31,783	26,81
Total:		1349,025	118,532	100,00

HPLC of purified peptide (λ=220 nm)

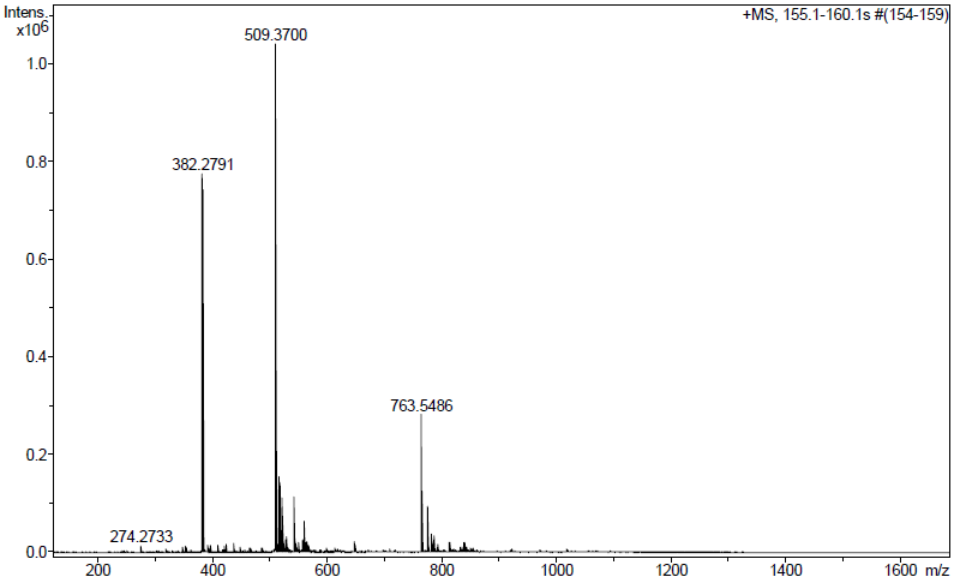


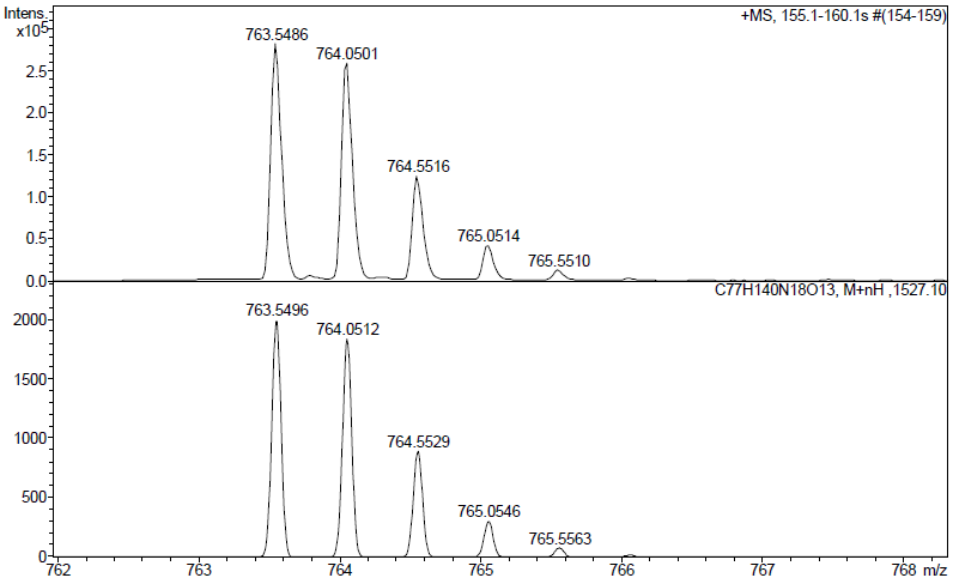
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,58	234,918	17,199	100,00
Total:		234,918	17,199	100,00

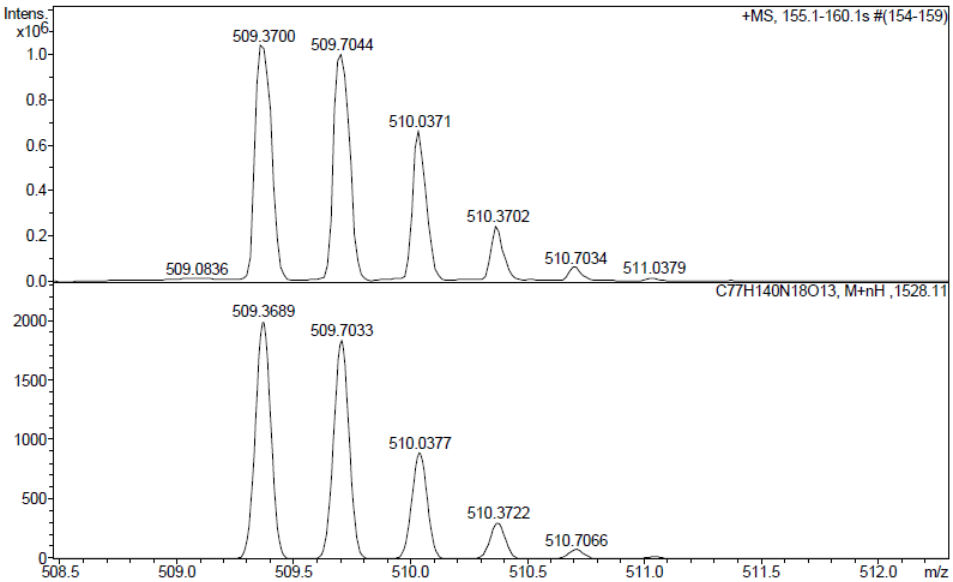
ESI-MS (*m/z*)

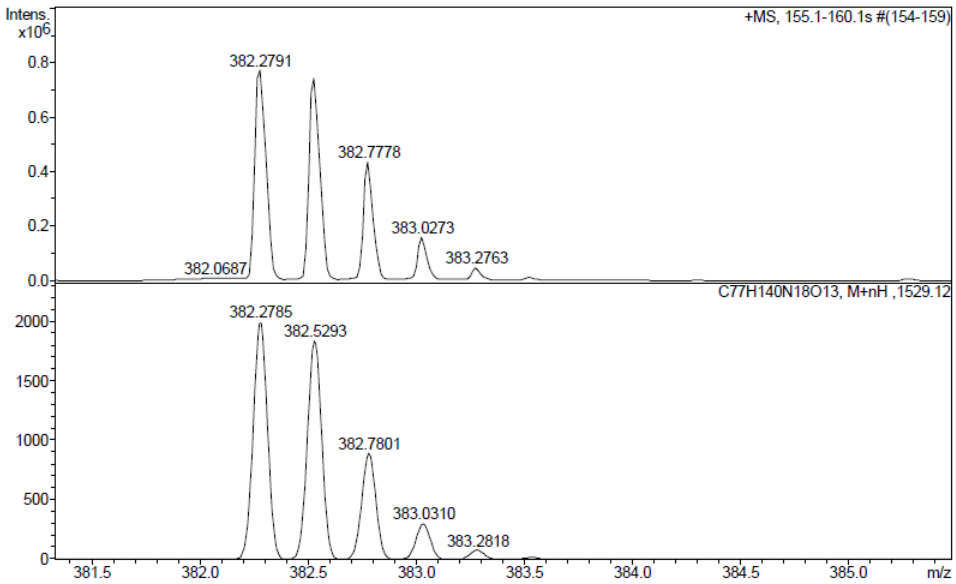


HRMS (*m/z*)

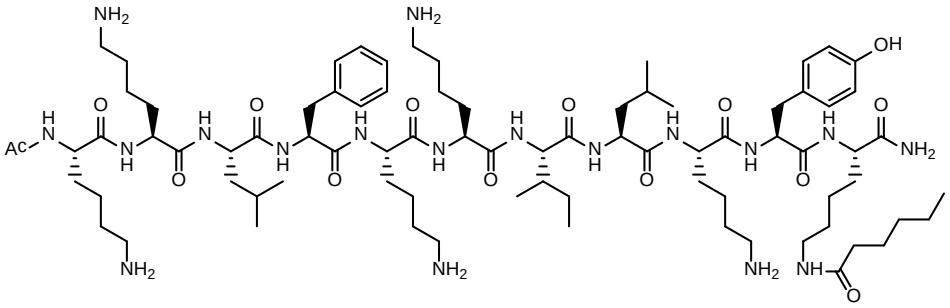

Intens.
x10^6
+MS, 155.1-160.1s #(154-159)
509.3700
382.2791
763.5486
274.2733
m/z


Intens.
x10^5
+MS, 155.1-160.1s #(154-159)
763.5486
764.0501
764.5516
765.0514
765.5510
C77H140N18O13, M+nH ,1527.10
763.5496
764.0512
764.5529
765.0546
765.5563
m/z

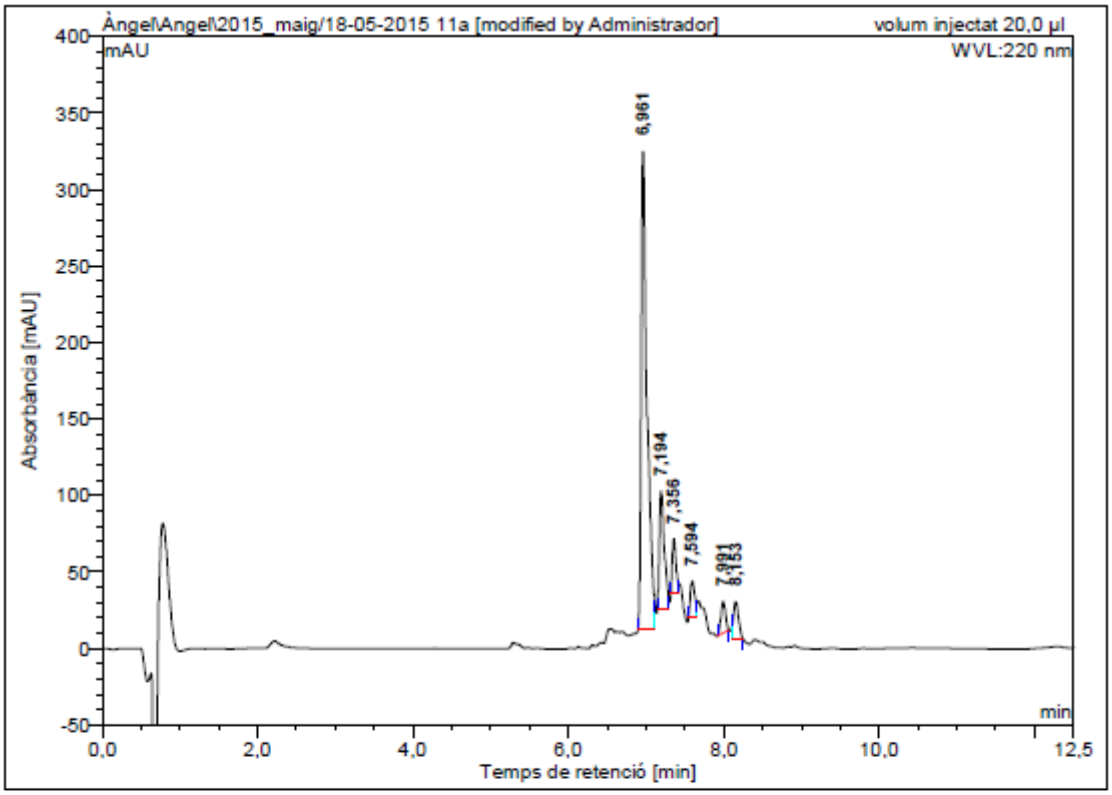

Intens.
x10^6
+MS, 155.1-160.1s #(154-159)
509.3700
509.7044
510.0371
510.3702
509.0836
510.7034
511.0379
C77H140N18O13, M+nH ,1528.11
509.3689
509.7033
510.0377
510.3722
510.7066
m/z


Intens.
x10^6
+MS, 155.1-160.1s #(154-159)
382.2791
382.7778
383.0273
383.2763
382.0687
C77H140N18O13, M+nH ,1529.12
382.2785
382.5293
382.7801
383.0310
383.2818
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_5H_{11})-NH_2 (BP378)

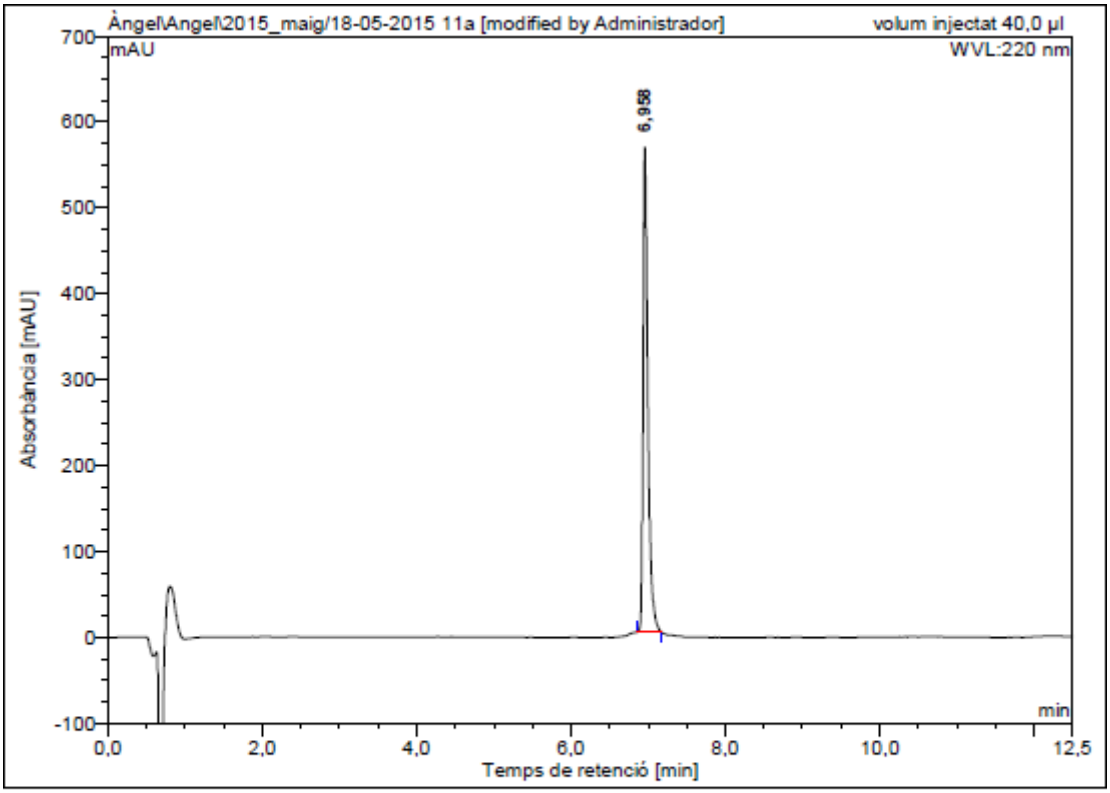


HPLC of crude peptide (λ=220 nm)



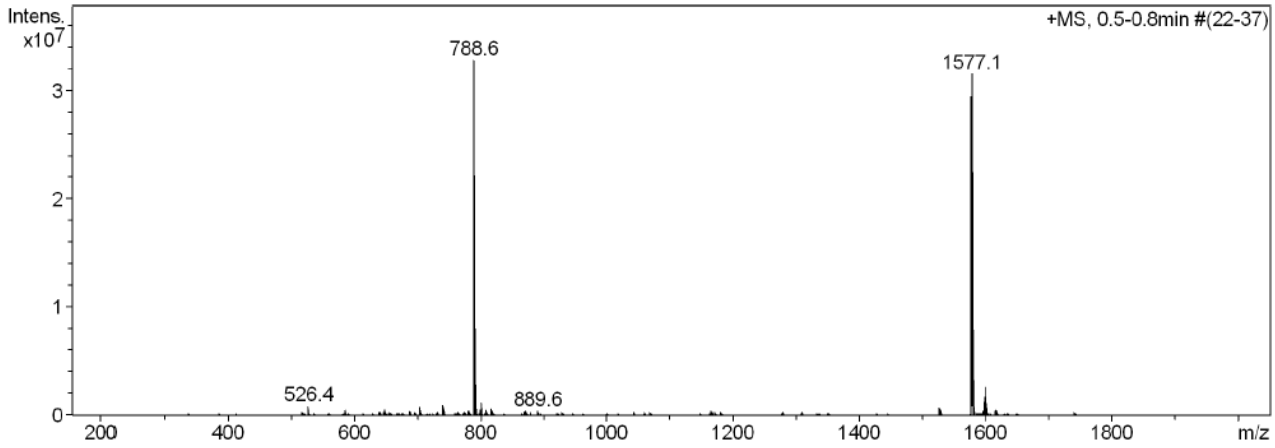
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,96	312,376	27,209	68,48
2	7,19	77,522	5,774	14,53
3	7,36	36,021	1,980	4,98
4	7,59	23,610	1,467	3,69
5	7,99	20,581	1,420	3,57
6	8,15	24,528	1,881	4,73
Total:		494,638	39,730	100,00

HPLC of purified peptide (λ=220 nm)

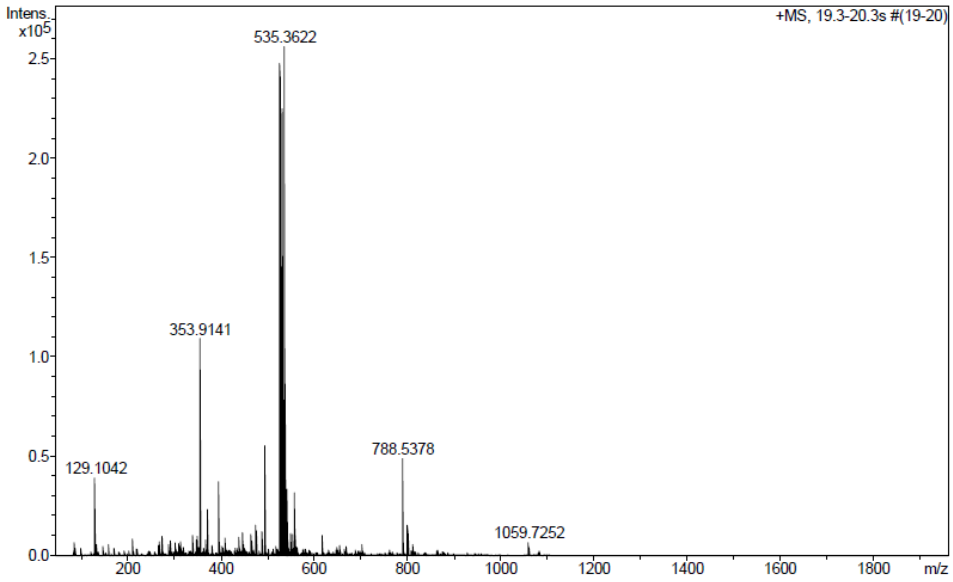


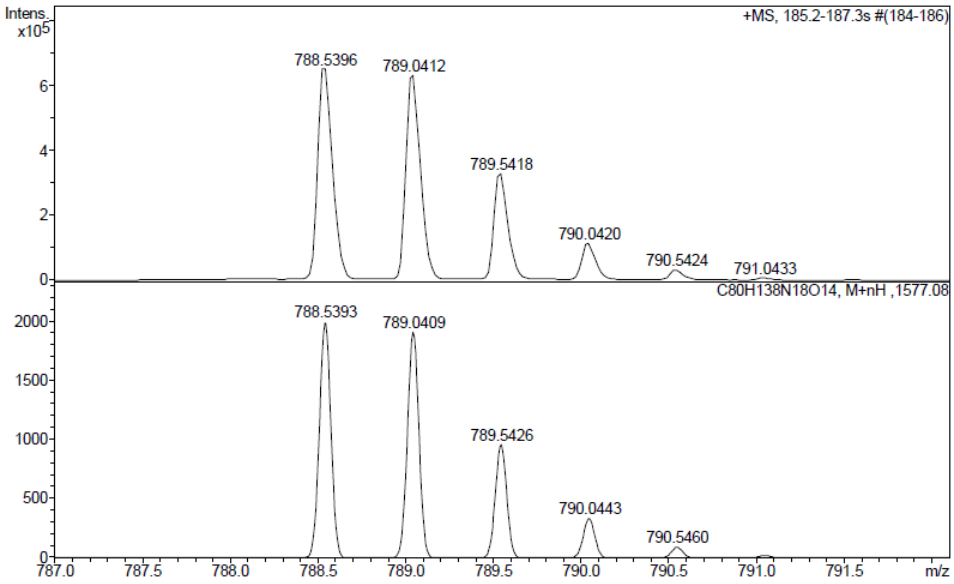
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,96	564,325	40,841	100,00
Total:		564,325	40,841	100,00

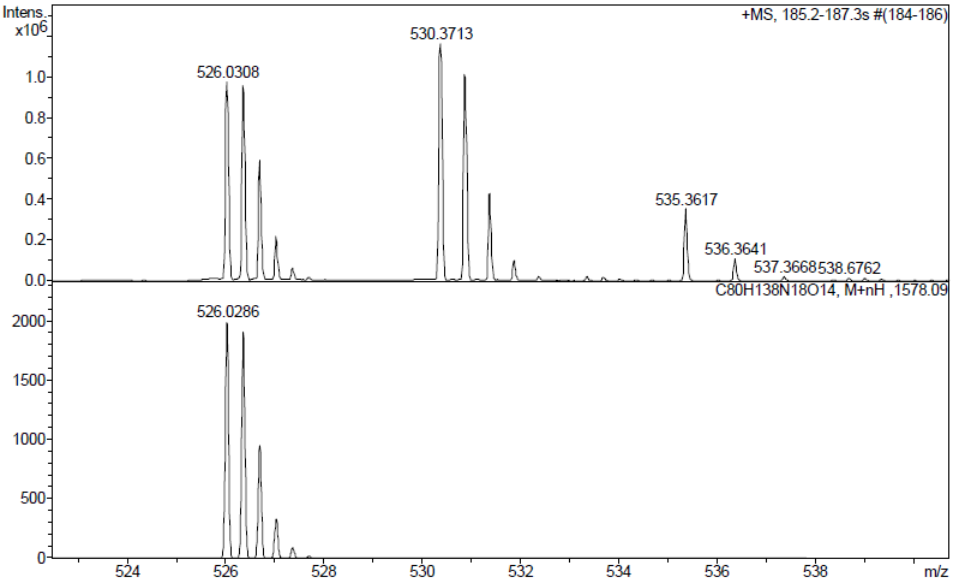
ESI-MS (*m/z*)

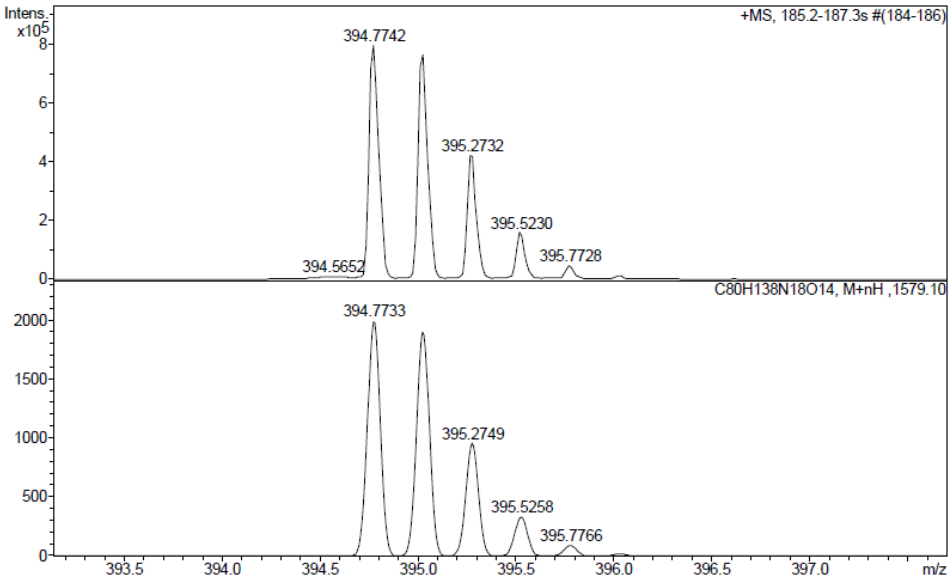


HRMS (*m/z*)

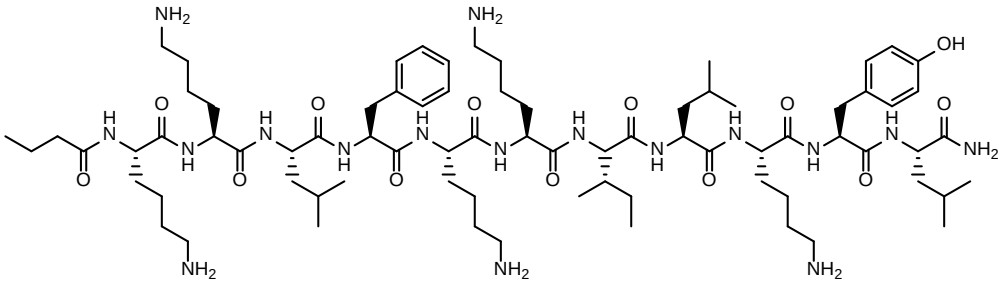

+MS, 19.3-20.3s #(19-20)
Intens.
x10^5
535.3622
353.9141
788.5378
129.1042
1059.7252
m/z


+MS, 185.2-187.3s #(184-186)
Intens.
x10^5
788.5396
789.0412
789.5418
790.0420
790.5424
791.0433
C80H138N18O14, M+nH ,1577.08
788.5393
789.0409
789.5426
790.0443
790.5460
m/z

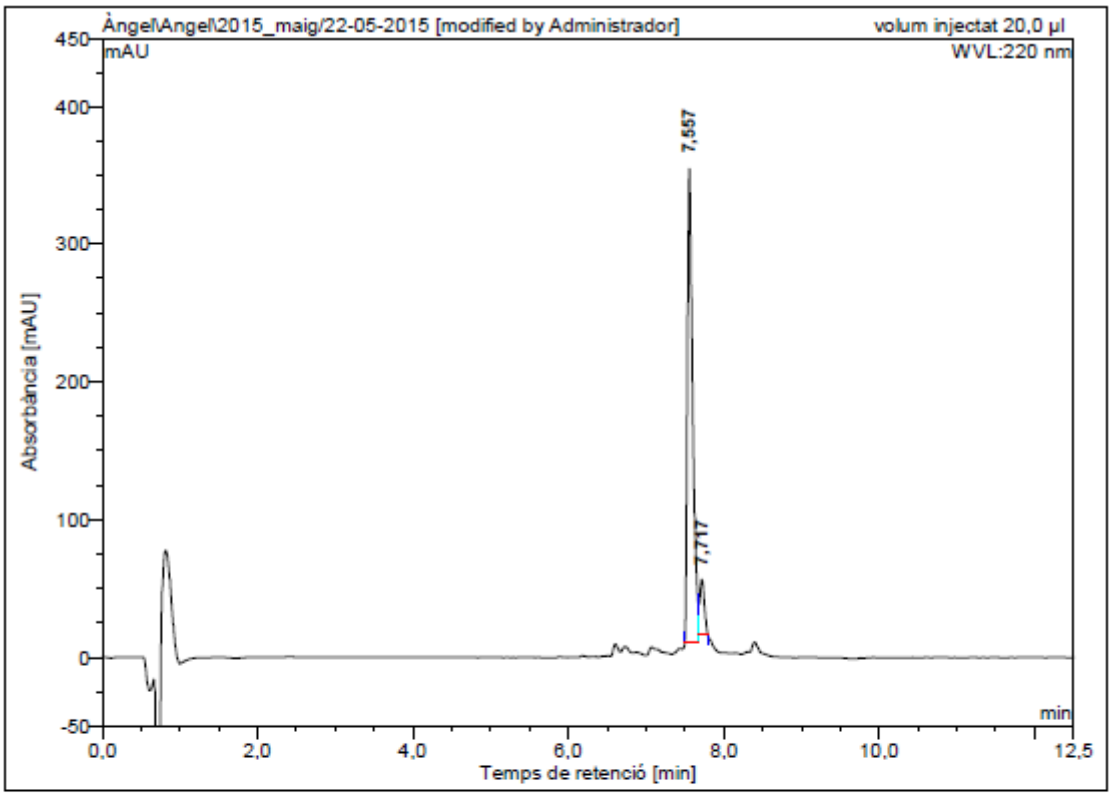

+MS, 185.2-187.3s #(184-186)
Intens.
x10^6
530.3713
526.0308
535.3617
536.3641
537.3668538.6762
C80H138N18O14, M+nH ,1578.09
526.0286
m/z


Intens.
x10^5
+MS, 185.2-187.3s #(184-186)
394.7742
395.2732
395.5230
395.7728
394.5652
C80H138N18O14, M+nH ,1579.10
394.7733
395.2749
395.5258
395.7766
m/z

C_3H_7CO-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP379)

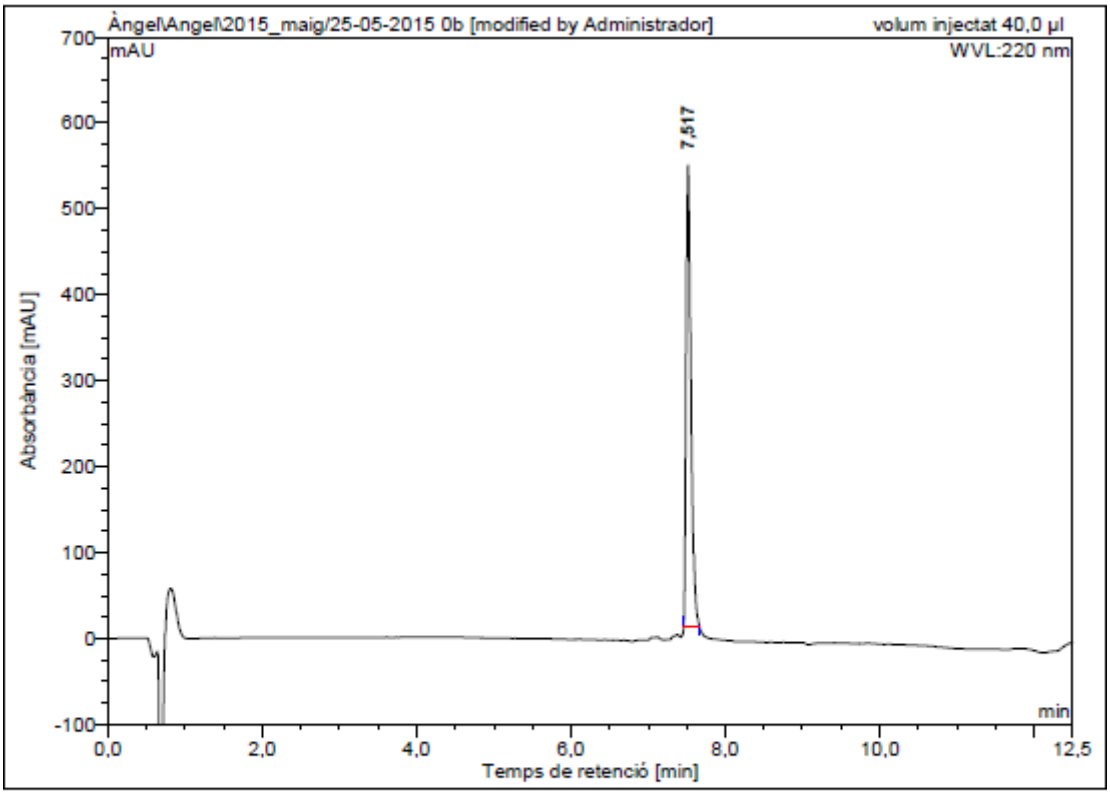


HPLC of crude peptide (λ=220 nm)



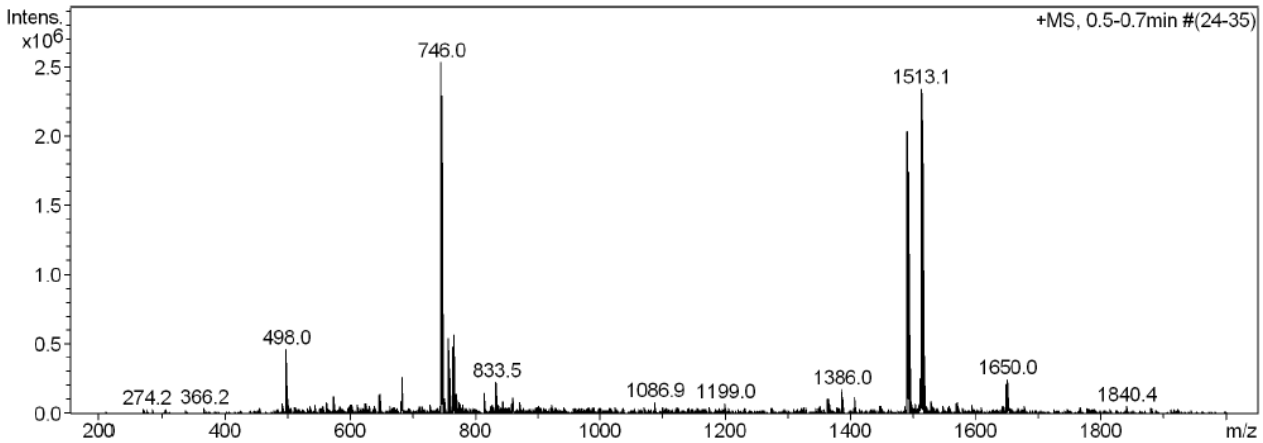
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,56	343,351	26,903	90,82
2	7,72	39,891	2,718	9,18
Total:		383,242	29,621	100,00

HPLC of purified peptide (λ=220 nm)

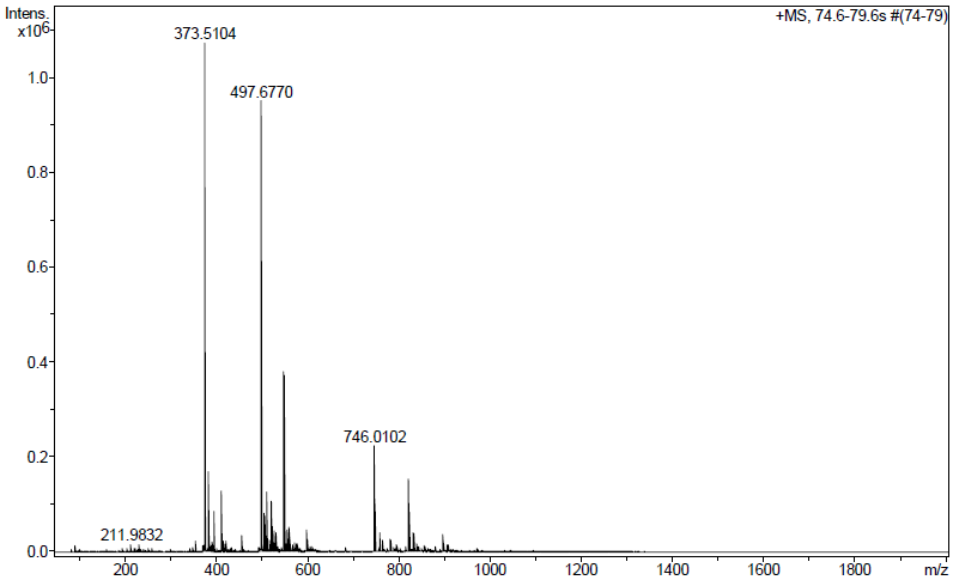


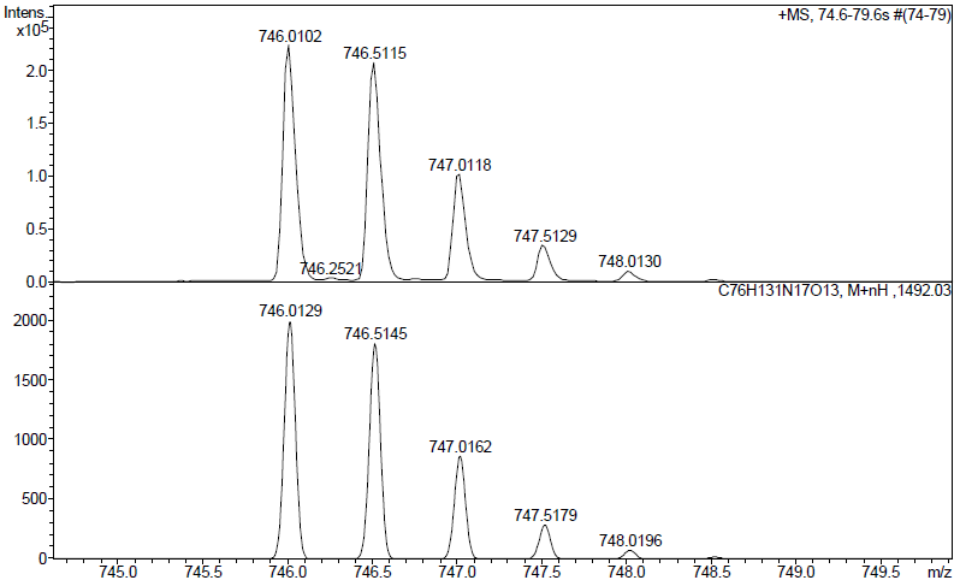
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,52	535,647	38,742	100,00
Total:		535,647	38,742	100,00

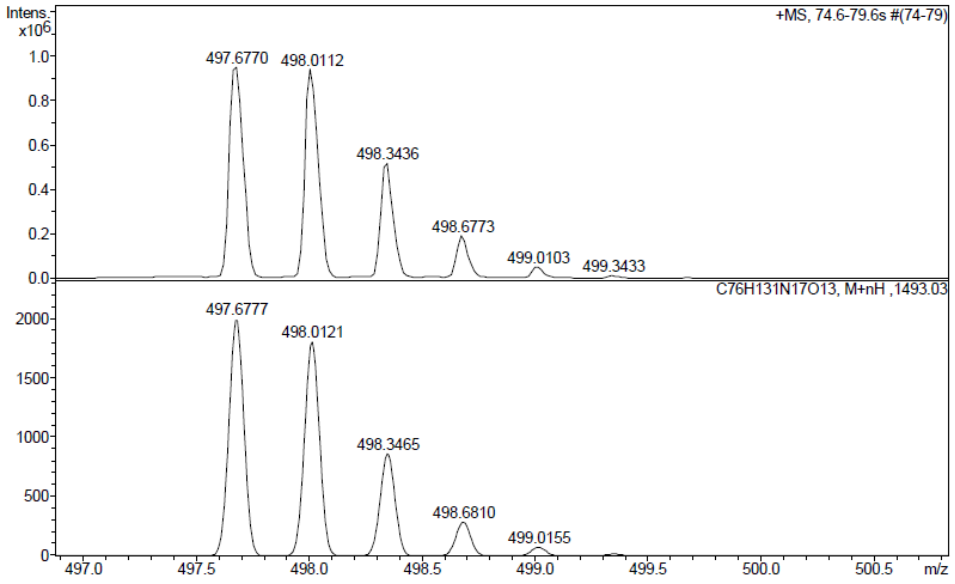
ESI-MS (*m/z*)

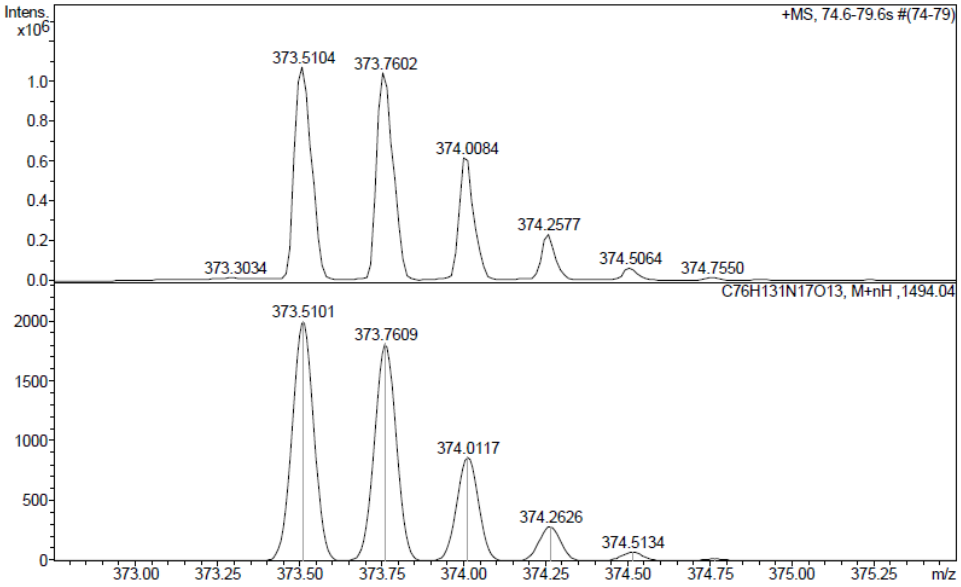


HRMS (*m/z*)

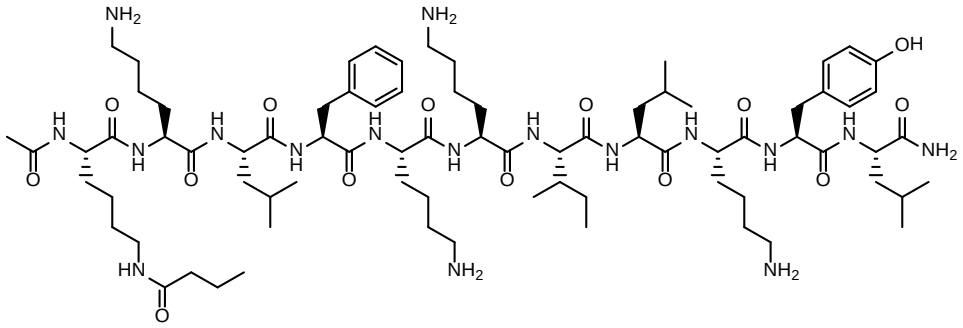

+MS, 74.6-79.6s #(74-79)
Intens.
x10^6
373.5104
497.6770
746.0102
211.9832
m/z


+MS, 74.6-79.6s #(74-79)
Intens.
x10^5
746.0102
746.5115
747.0118
747.5129
746.2521
748.0130
C76H131N17O13, M+nH ,1492.03
746.0129
746.5145
747.0162
747.5179
748.0196
m/z

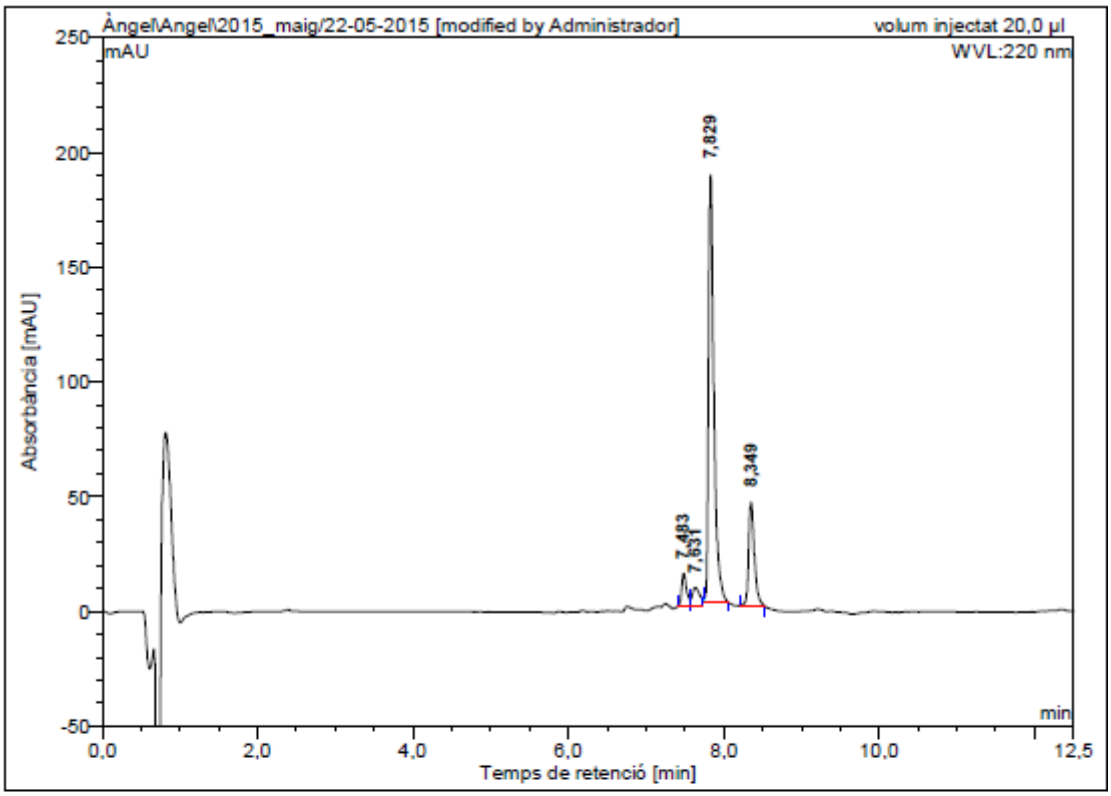

+MS, 74.6-79.6s #(74-79)
Intens.
x10^6
497.6770
498.0112
498.3436
498.6773
499.0103
499.3433
C76H131N17O13, M+nH ,1493.03
497.6777
498.0121
498.3465
498.6810
499.0155
m/z


Intens.
x10^6
+MS, 74.6-79.6s #(74-79)
373.5104
373.7602
374.0084
374.2577
374.5064
374.7550
373.3034
1.0
0.8
0.6
0.4
0.2
0.0
C76H131N17O13, M+nH ,1494.04
373.5101
373.7609
374.0117
374.2626
374.5134
2000
1500
1000
500
0
373.00
373.25
373.50
373.75
374.00
374.25
374.50
374.75
375.00
375.25
m/z

Ac-Lys(COC_3H_7)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP380)

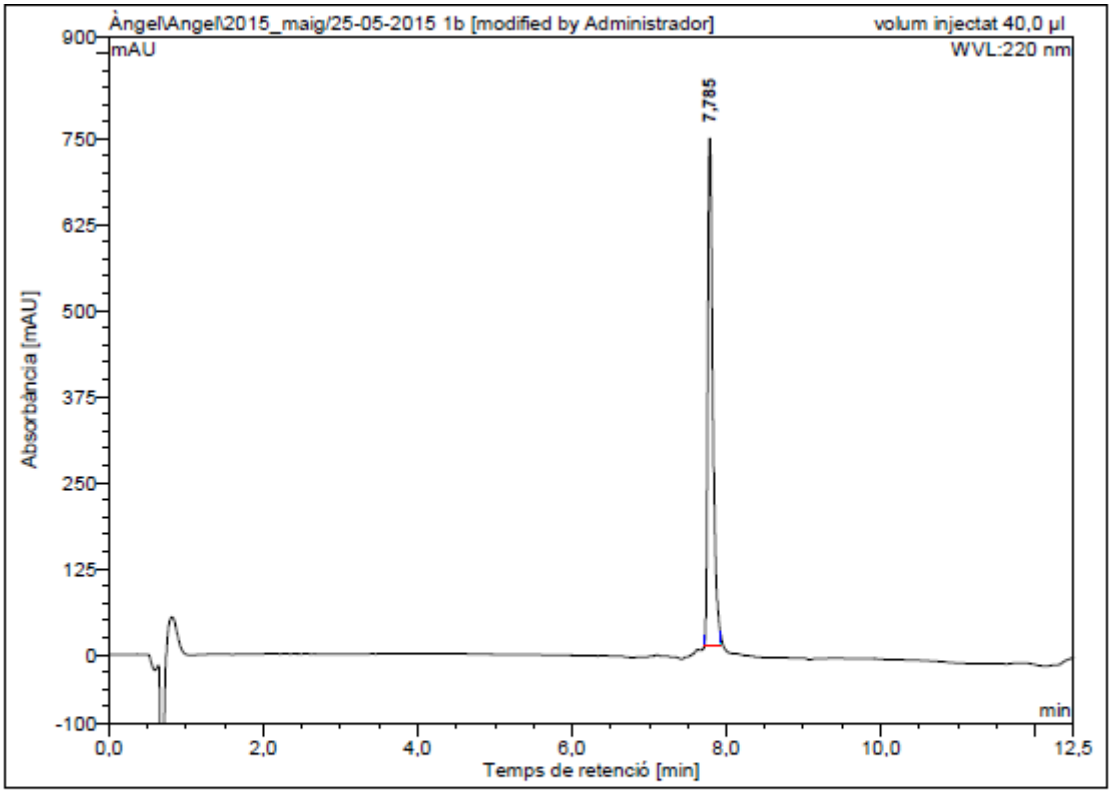


HPLC of crude peptide (λ=220 nm)



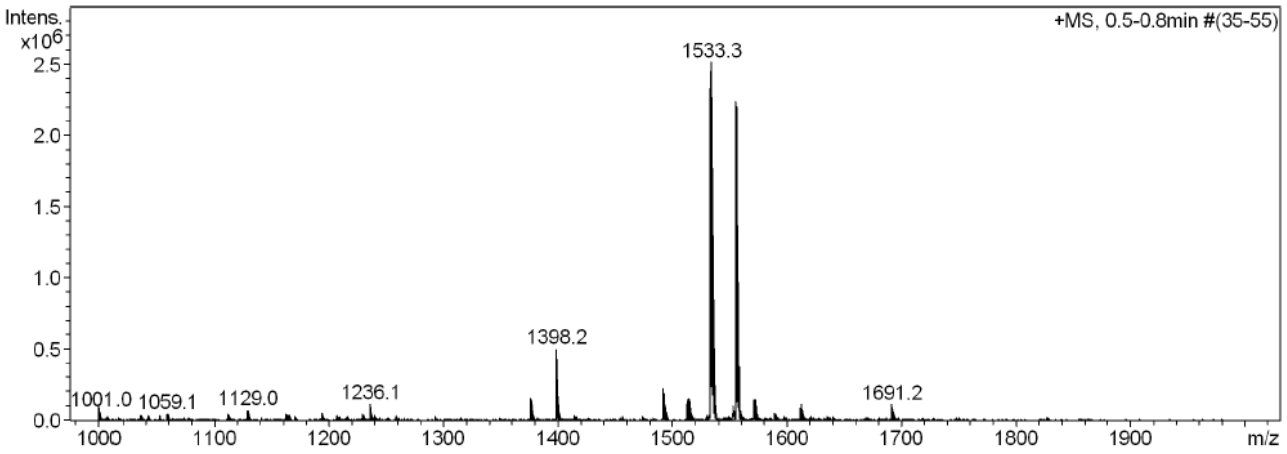
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,48	13,940	1,010	4,86
2	7,63	7,761	0,816	3,93
3	7,83	186,064	15,078	72,59
4	8,35	44,933	3,866	18,61
Total:		252,699	20,770	100,00

HPLC of purified peptide (λ=220 nm)

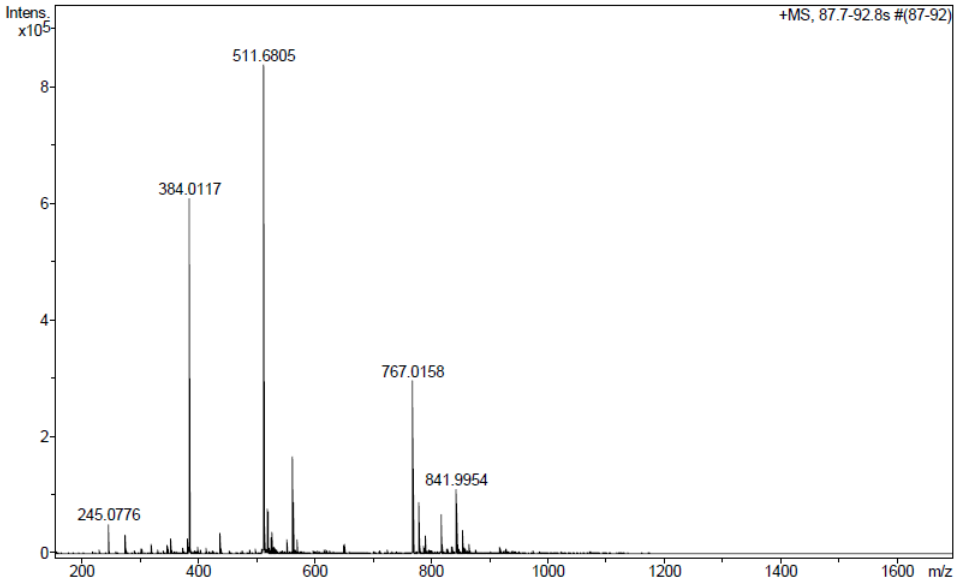


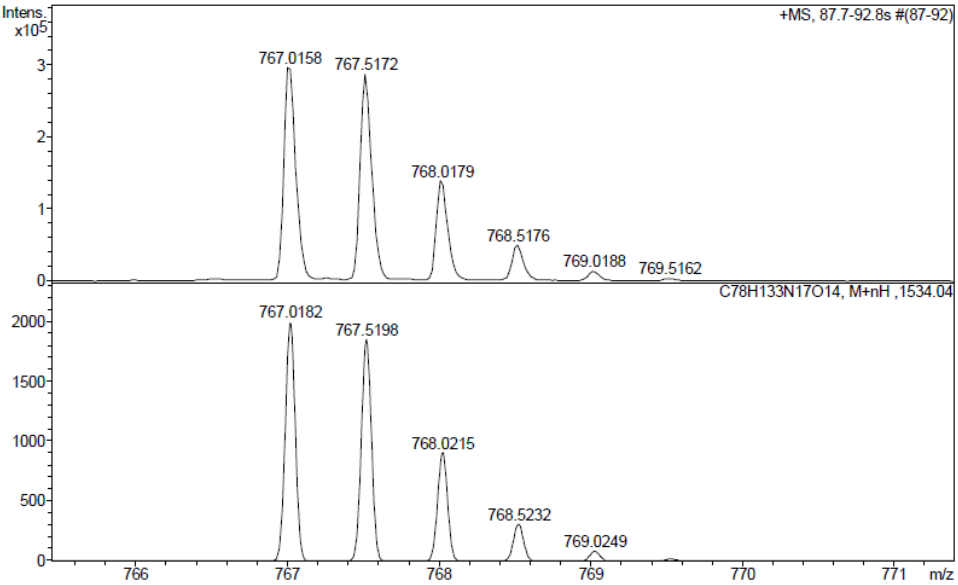
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,79	738,105	57,784	100,00
Total:		738,105	57,784	100,00

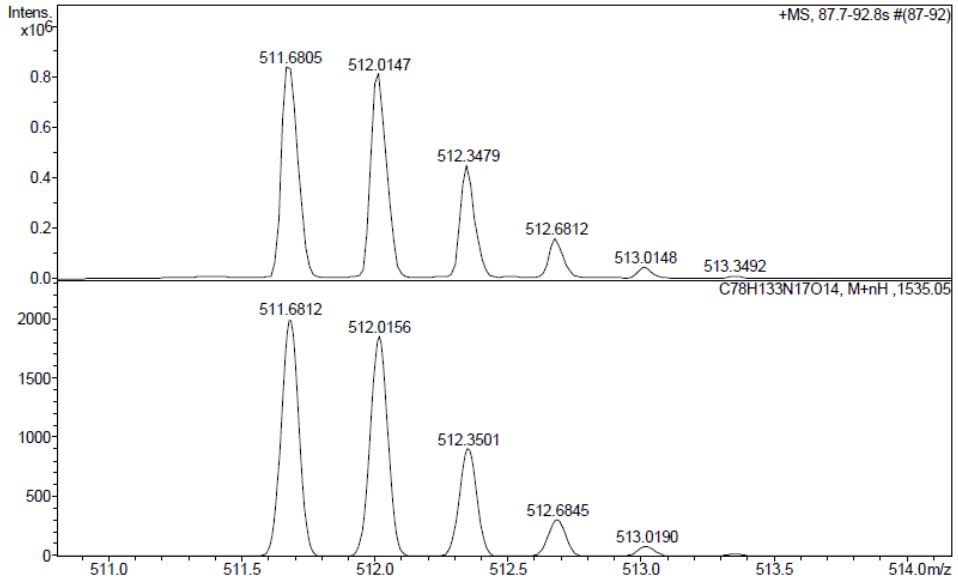
ESI-MS (*m/z*)

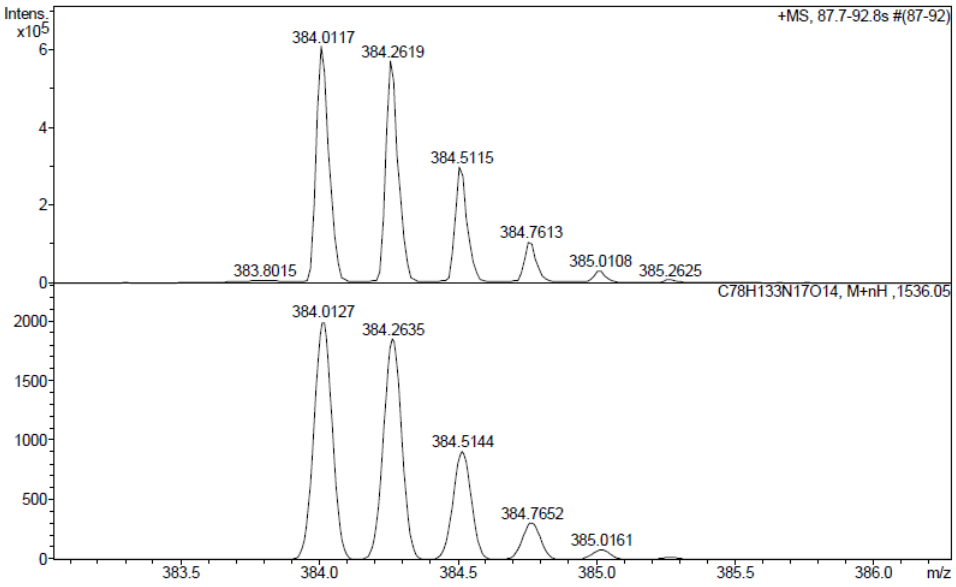


HRMS (*m/z*)

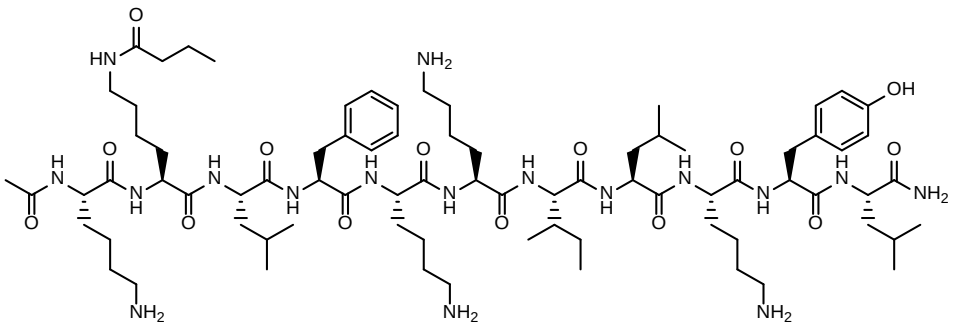

Intens.
x10^5
+MS, 87.7-92.8s #(87-92)
511.6805
384.0117
767.0158
841.9954
245.0776
m/z


Intens.
x10^5
+MS, 87.7-92.8s #(87-92)
767.0158
767.5172
768.0179
768.5176
769.0188
769.5162
C78H133N17O14, M+nH ,1534.04
767.0182
767.5198
768.0215
768.5232
769.0249
m/z

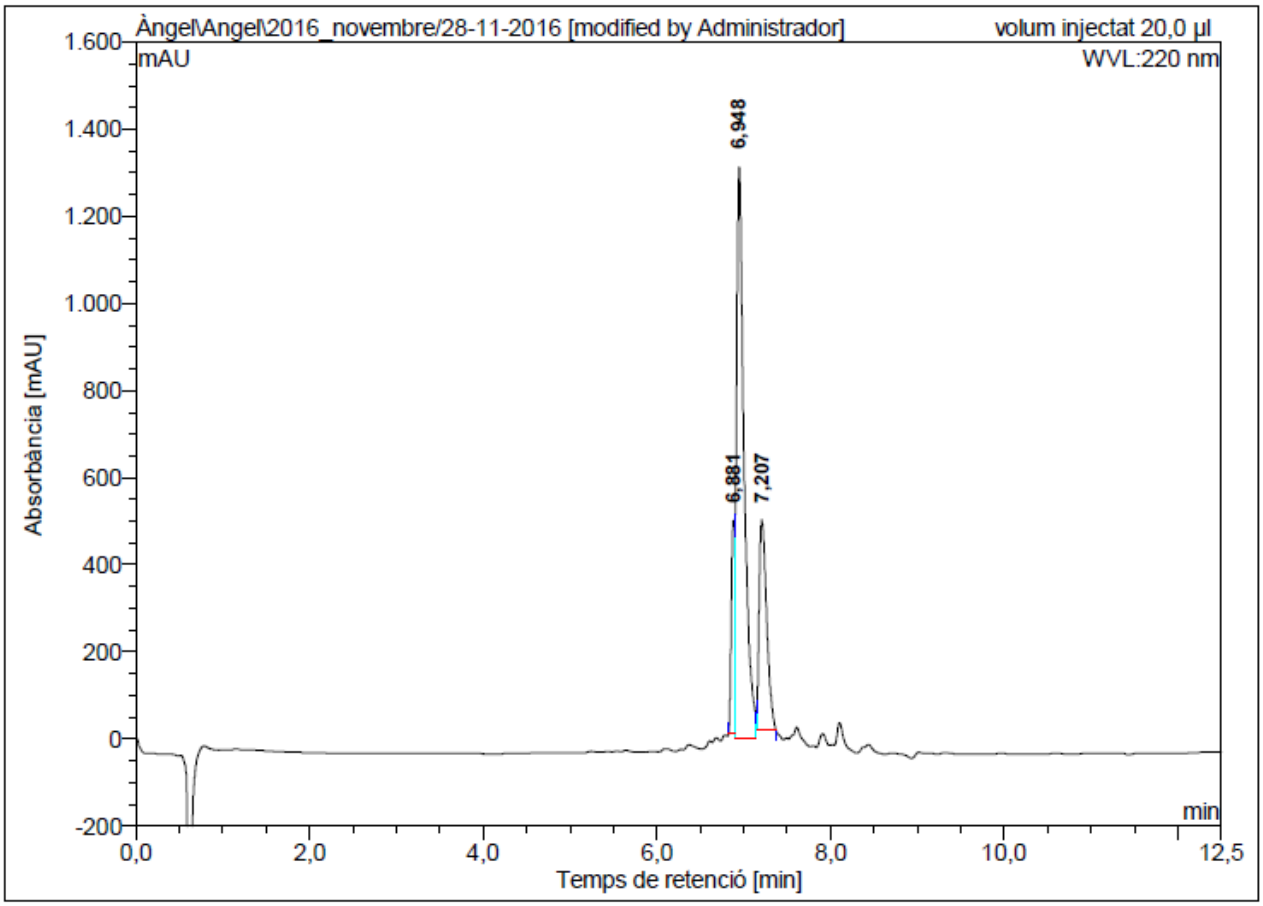

Intens.
x10^6
+MS, 87.7-92.8s #(87-92)
511.6805
512.0147
512.3479
512.6812
513.0148
513.3492
C78H133N17O14, M+nH ,1535.05
511.6812
512.0156
512.3501
512.6845
513.0190
m/z


Intens.
x10^5
+MS, 87.7-92.8s #(87-92)
384.0117
384.2619
384.5115
384.7613
385.0108
383.8015
385.2625
C78H133N17O14, M+nH ,1536.05
384.0127
384.2635
384.5144
384.7652
385.0161
m/z

Ac-Lys-Lys(COC_3H_7)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP381)

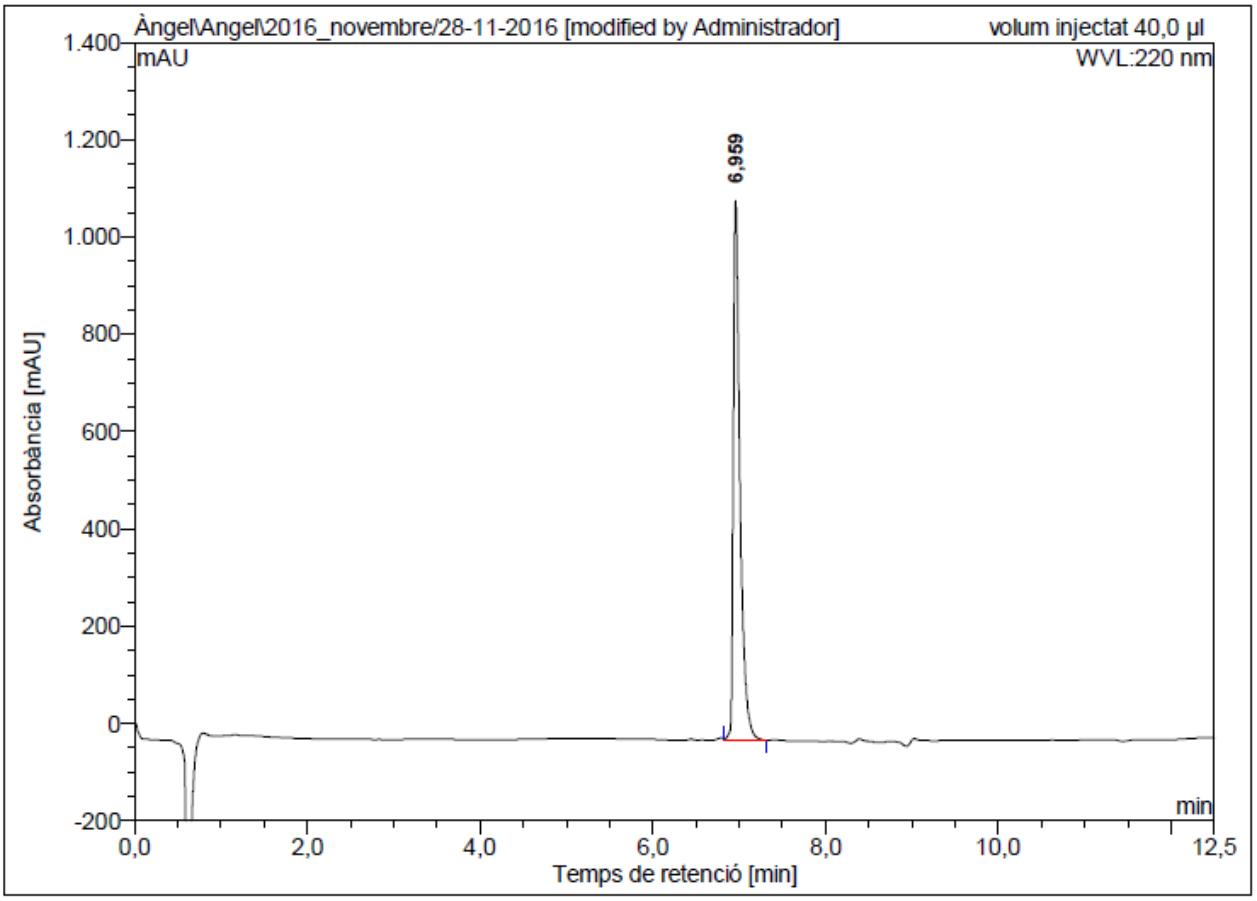


HPLC of crude peptide (λ=220 nm)



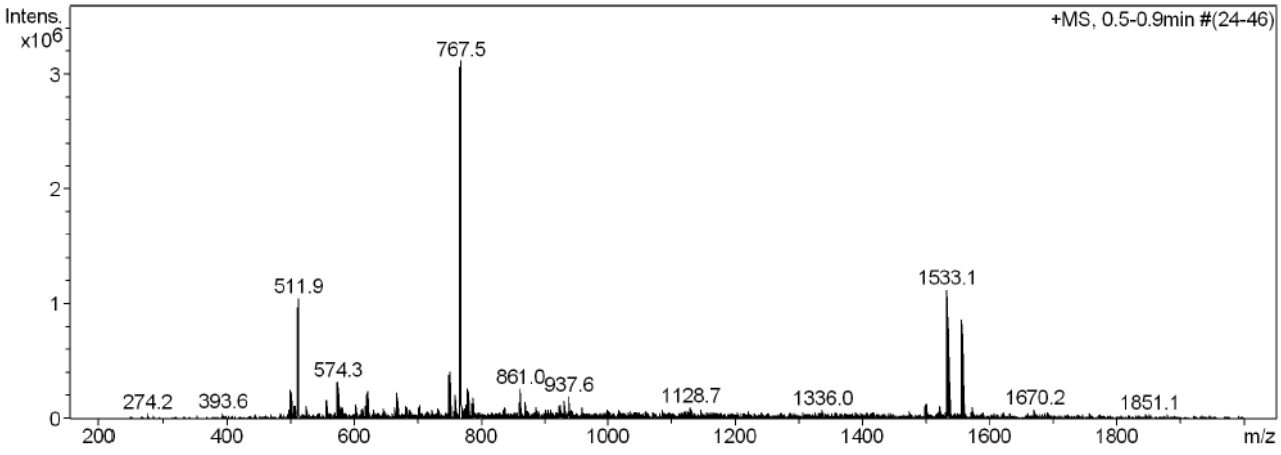
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,88	491,197	18,143	9,03
2	6,95	1312,045	134,699	67,01
3	7,21	480,384	48,178	23,97
Total:		2283,626	201,020	100,00

HPLC of purified peptide (λ=220 nm)

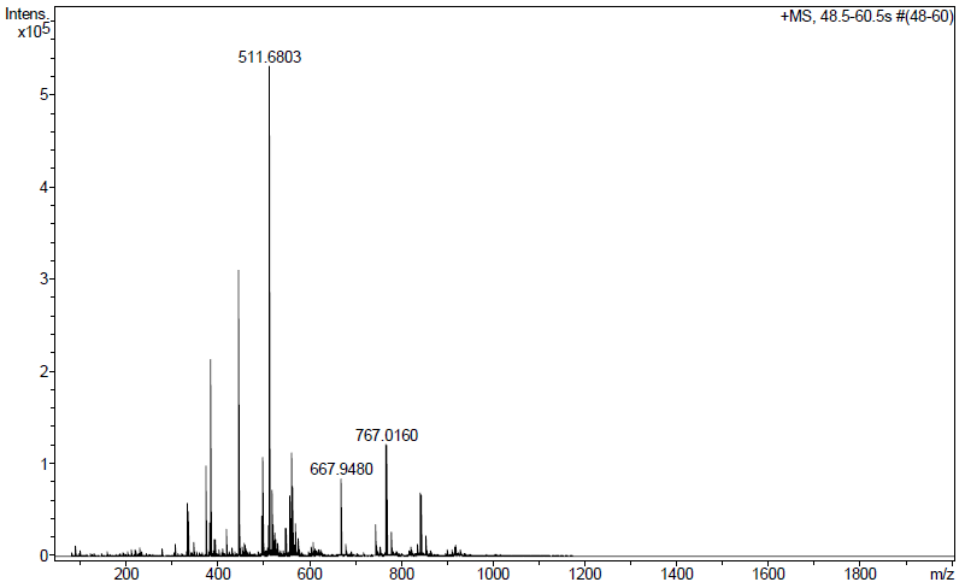


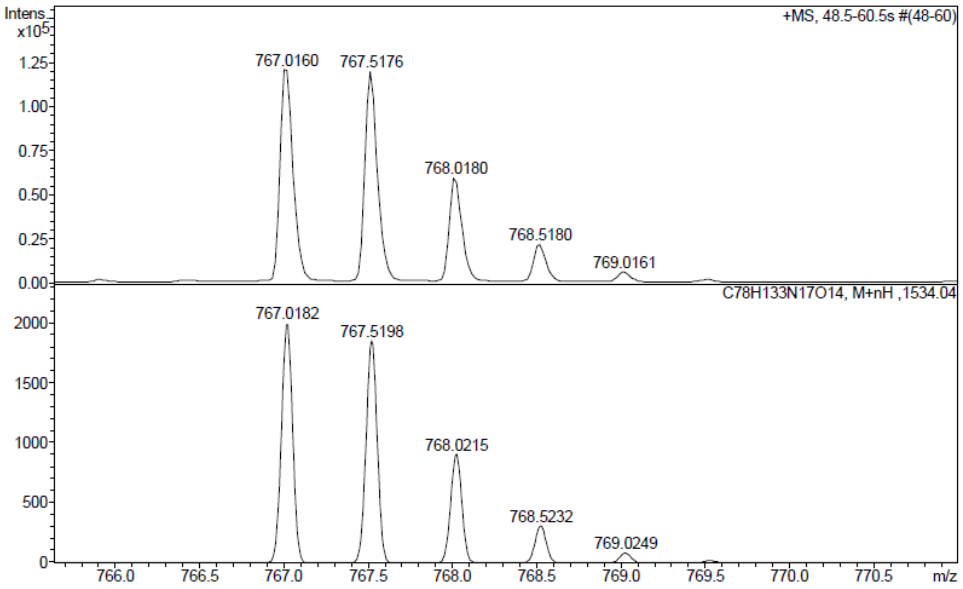
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,96	1109,076	100,505	100,00
Total:		1109,076	100,505	100,00

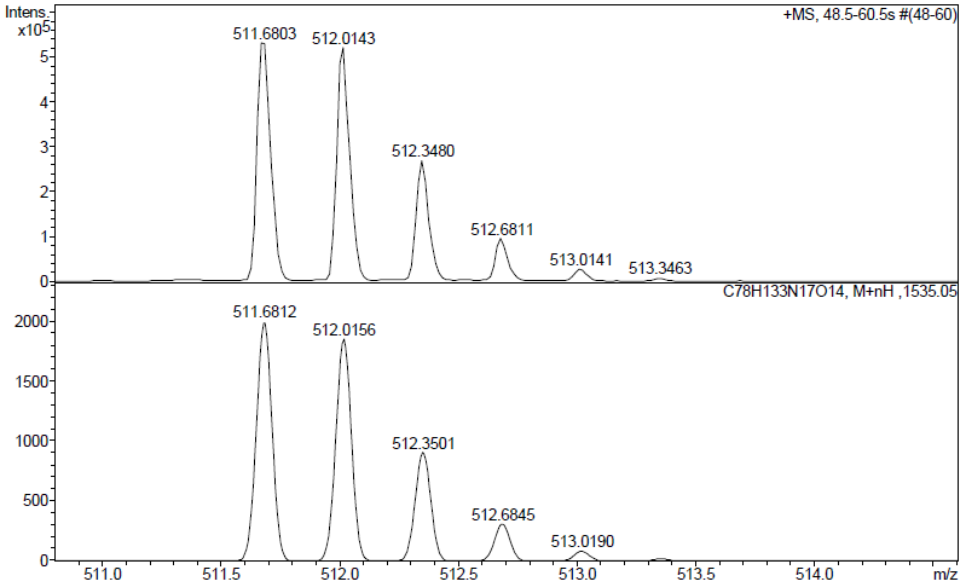
ESI-MS (*m/z*)

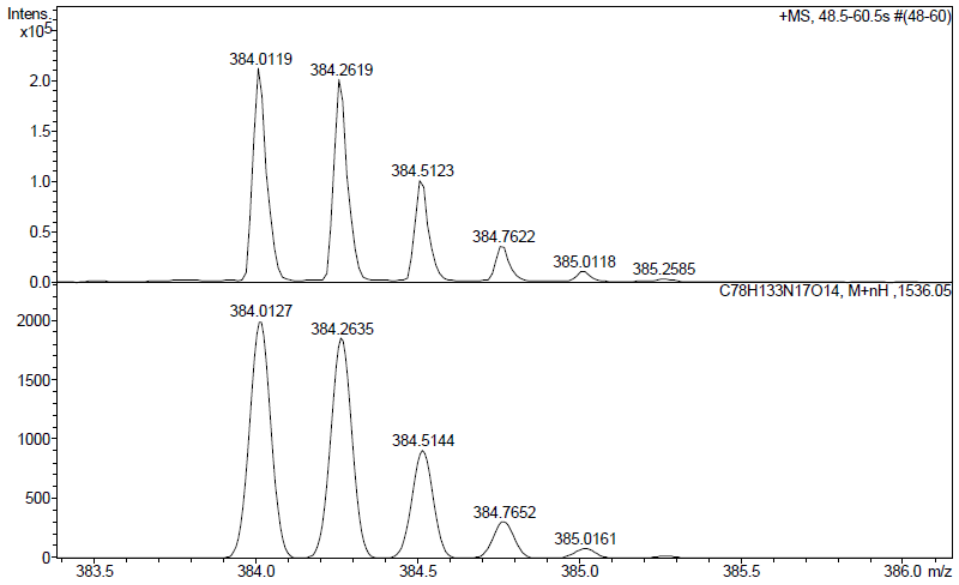


HRMS (*m/z*)

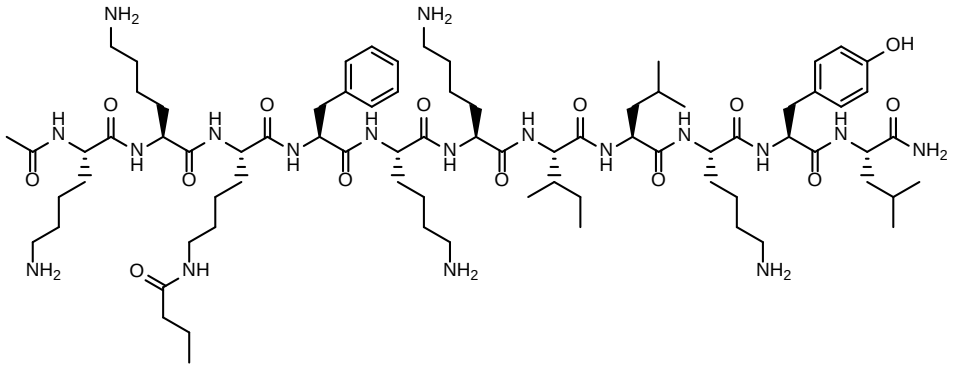

Intens.
x10^5
+MS, 48.5-60.5s #(48-60)
511.6803
767.0160
667.9480
m/z


Intens.
x10^5
+MS, 48.5-60.5s #(48-60)
767.0160
767.5176
768.0180
768.5180
769.0161
C78H133N17O14, M+nH ,1534.04
767.0182
767.5198
768.0215
768.5232
769.0249
m/z

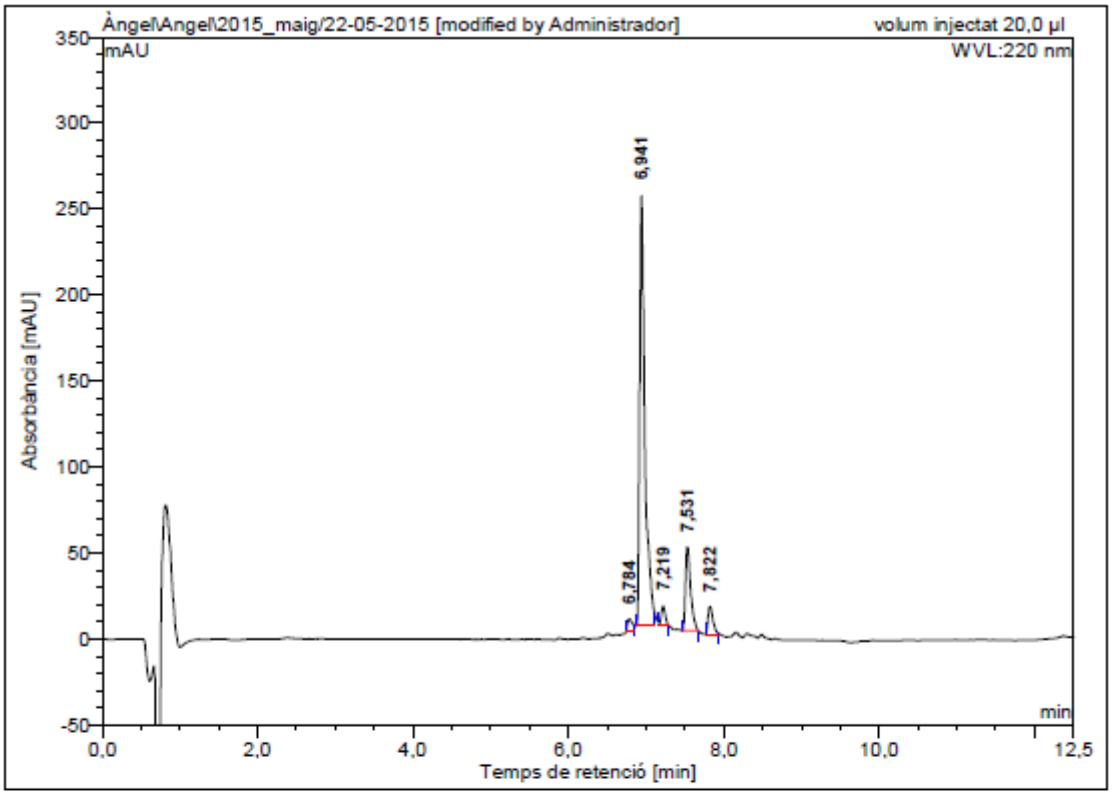

Intens.
x10^5
+MS, 48.5-60.5s #(48-60)
511.6803
512.0143
512.3480
512.6811
513.0141
513.3463
C78H133N17O14, M+nH ,1535.05
511.6812
512.0156
512.3501
512.6845
513.0190
m/z


Intens.
x10^5
+MS, 48.5-60.5s #(48-60)
384.0119
384.2619
384.5123
384.7622
385.0118
385.2585
C78H133N17O14, M+nH ,1536.05
384.0127
384.2635
384.5144
384.7652
385.0161
m/z

Ac-Lys-Lys-Lys(COC_3H_7)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP382)

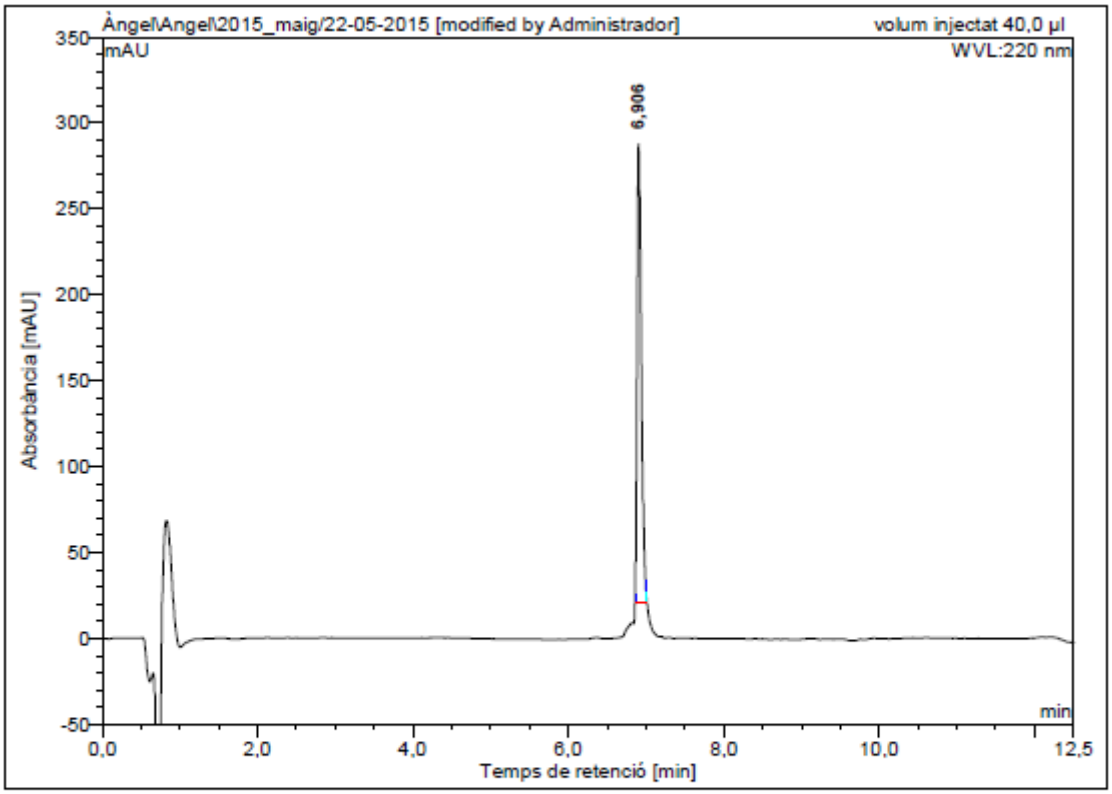


HPLC of crude peptide (λ=220 nm)



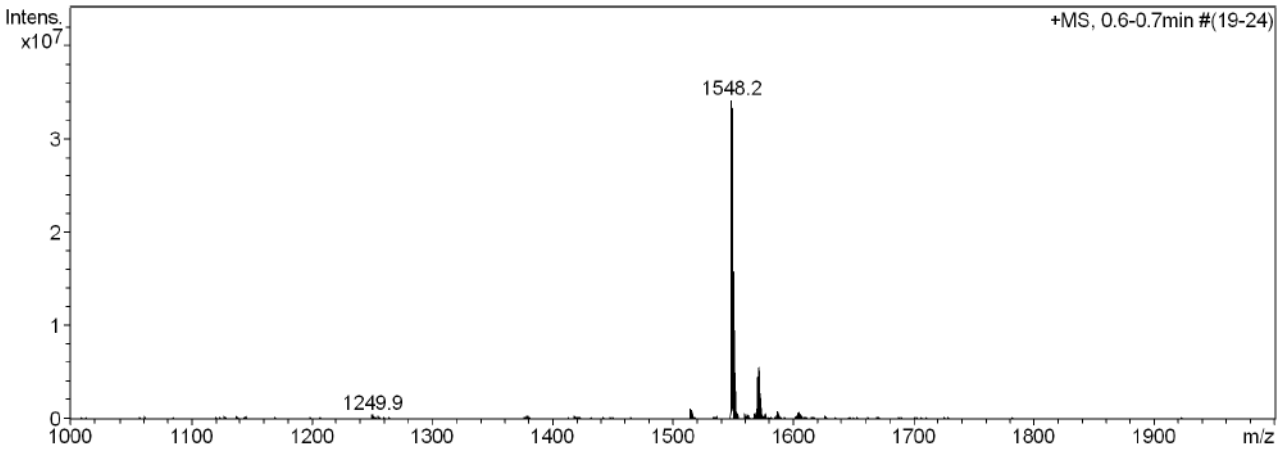
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,78	7,516	0,551	2,18
2	6,94	248,872	19,212	75,96
3	7,22	10,420	0,588	2,32
4	7,53	48,490	3,767	14,89
5	7,82	16,044	1,176	4,65
Total:		331,343	25,293	100,00

HPLC of purified peptide (λ=220 nm)

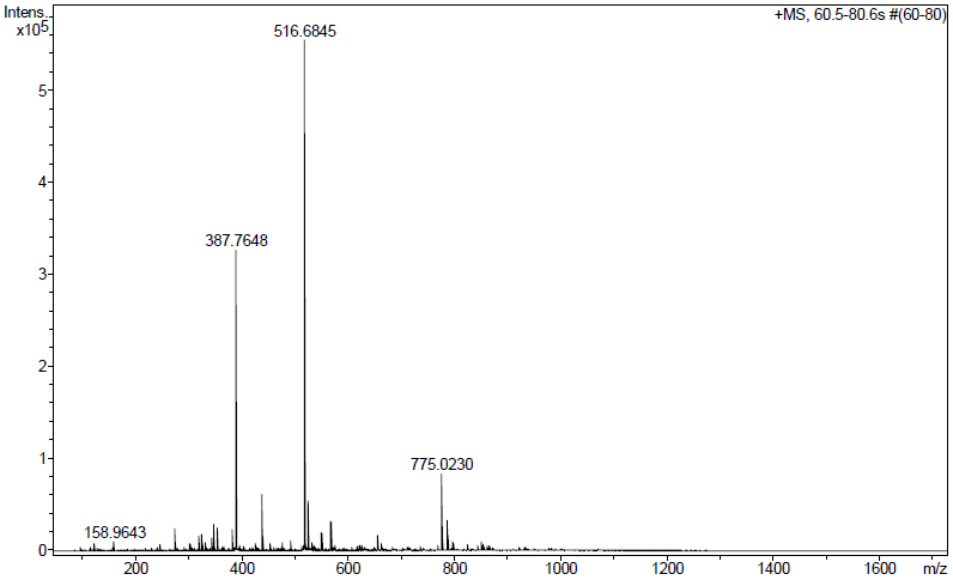


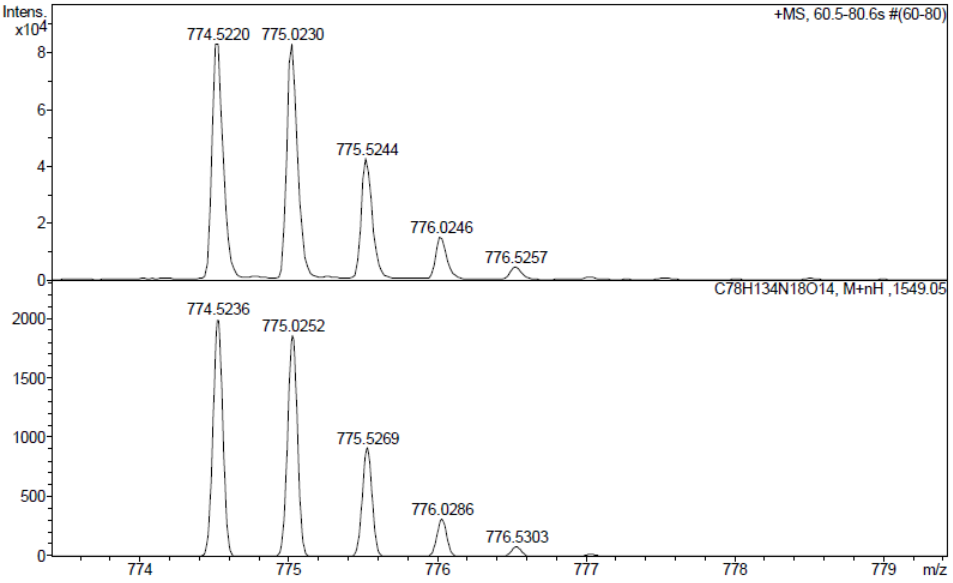
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,91	267,492	17,120	100,00
Total:		267,492	17,120	100,00

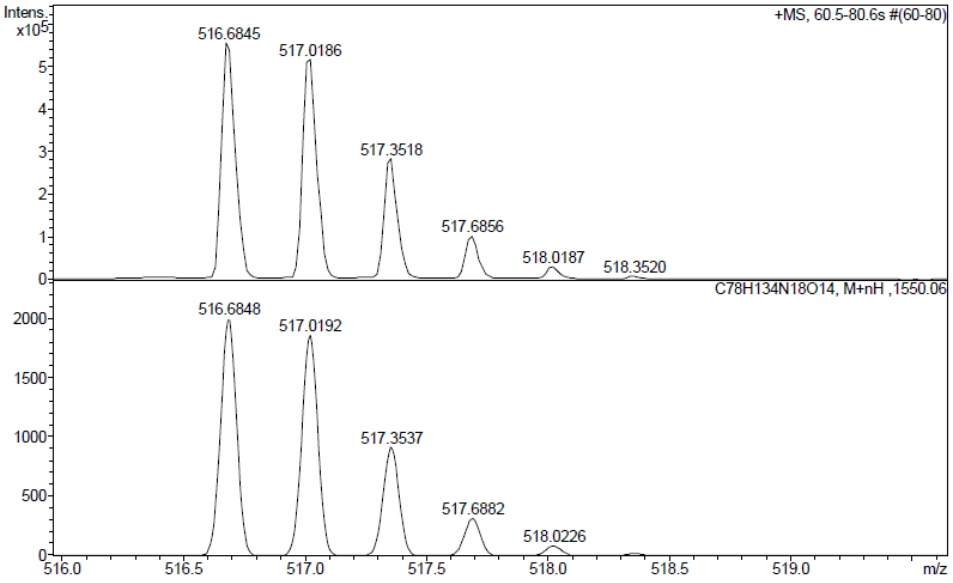
ESI-MS (*m/z*)

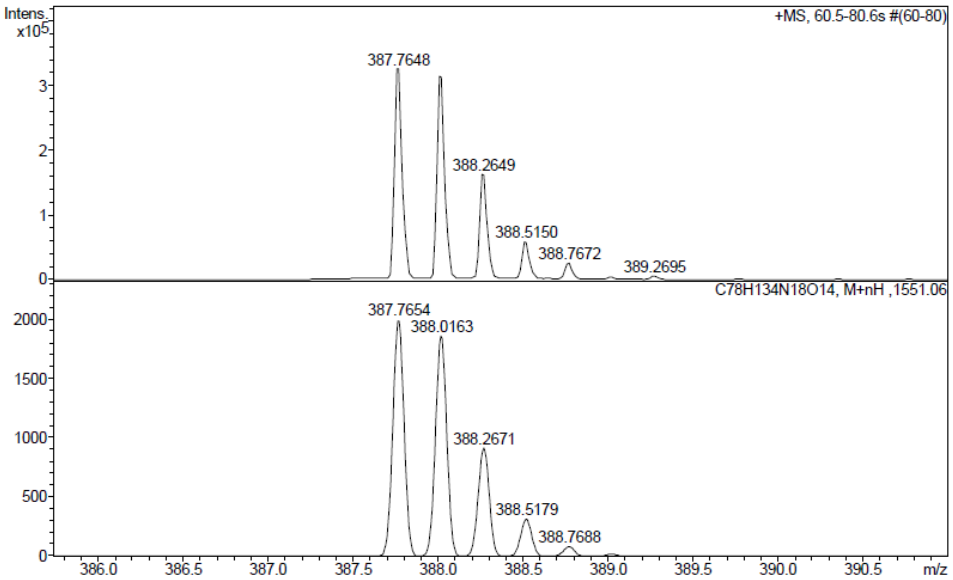


HRMS (*m/z*)

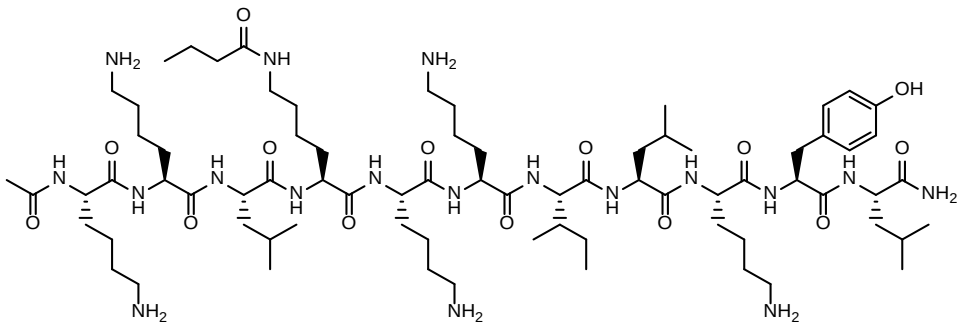

Intens.
x10^5
+MS, 60.5-80.6s #(60-80)
516.6845
387.7648
775.0230
158.9643
m/z


Intens.
x10^4
+MS, 60.5-80.6s #(60-80)
774.5220
775.0230
775.5244
776.0246
776.5257
C78H134N18O14, M+nH ,1549.05
774.5236
775.0252
775.5269
776.0286
776.5303
m/z

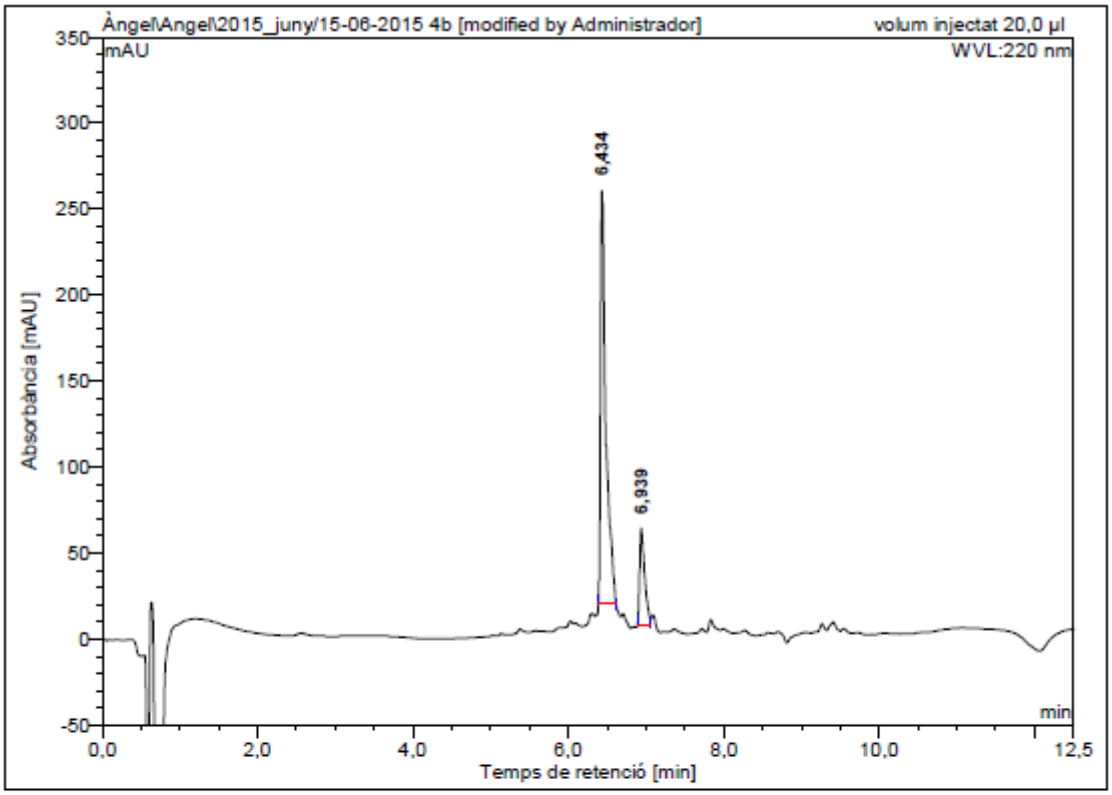

Intens.
x10^5
+MS, 60.5-80.6s #(60-80)
516.6845
517.0186
517.3518
517.6856
518.0187
518.3520
C78H134N18O14, M+nH ,1550.06
516.6848
517.0192
517.3537
517.6882
518.0226
m/z


Intens.
x10^5
+MS, 60.5-80.6s #(60-80)
387.7648
388.2649
388.5150
388.7672
389.2695
C78H134N18O14, M+nH ,1551.06
387.7654
388.0163
388.2671
388.5179
388.7688
m/z

Ac-Lys-Lys-Leu-Lys(COC_3H_7)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP383)

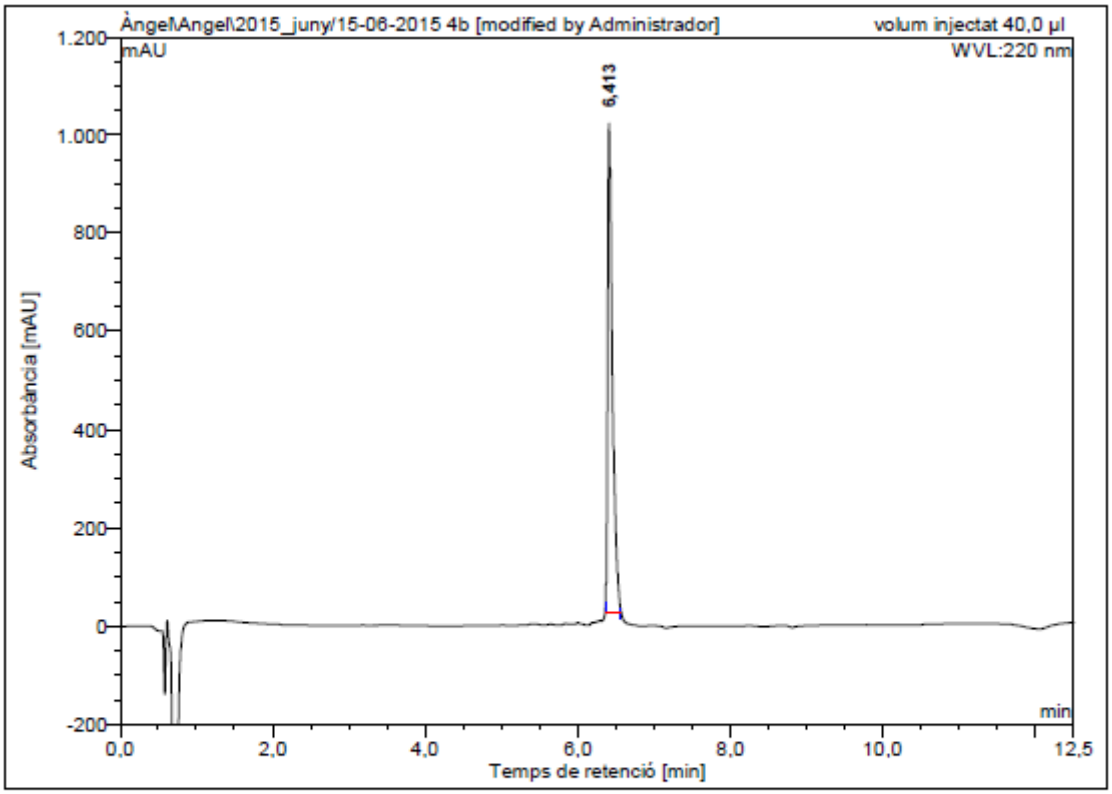


HPLC of crude peptide (λ=220 nm)



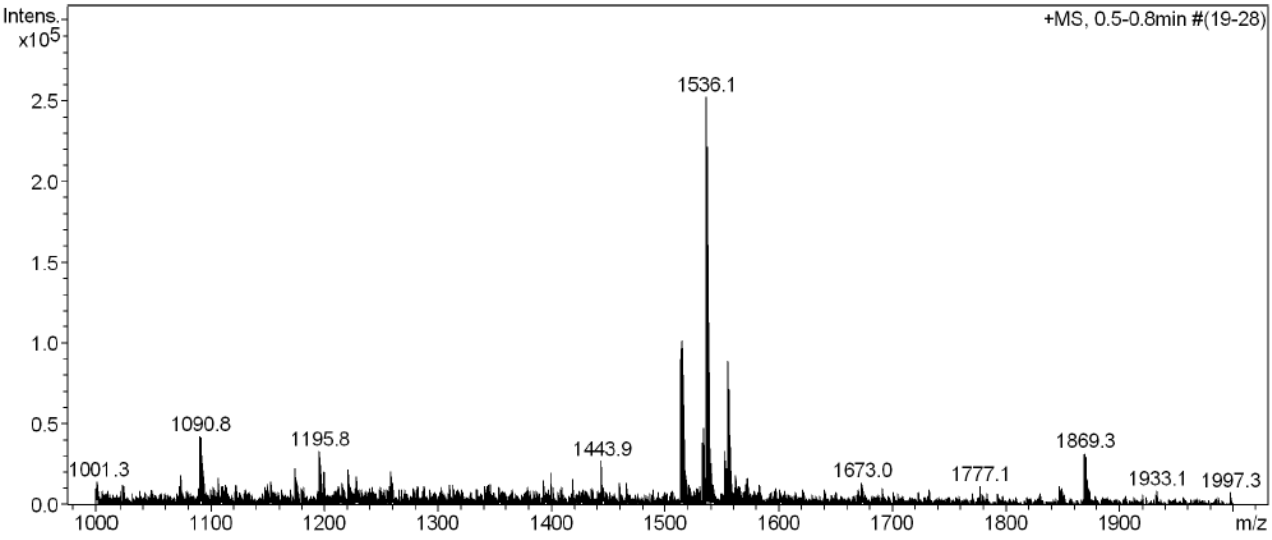
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,43	240,285	19,131	82,31
2	6,94	55,808	4,112	17,69
Total:		296,093	23,243	100,00

HPLC of purified peptide (λ=220 nm)

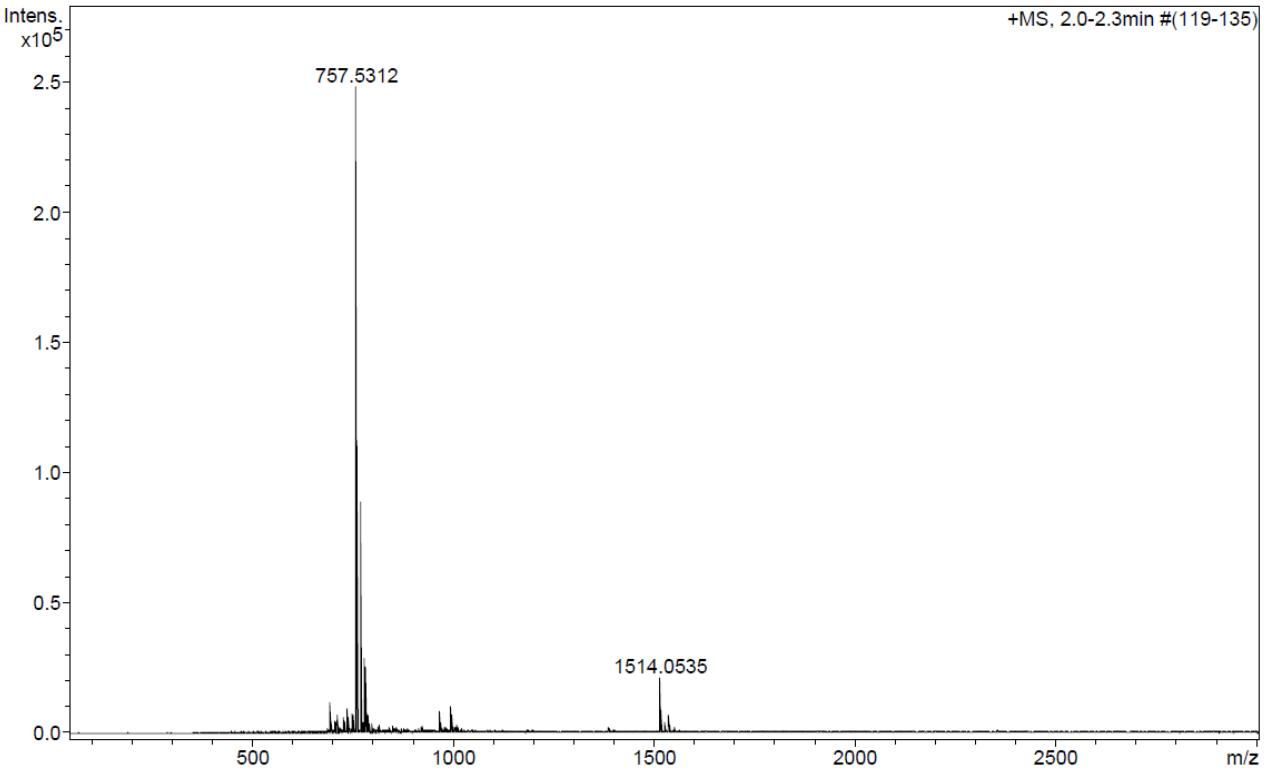


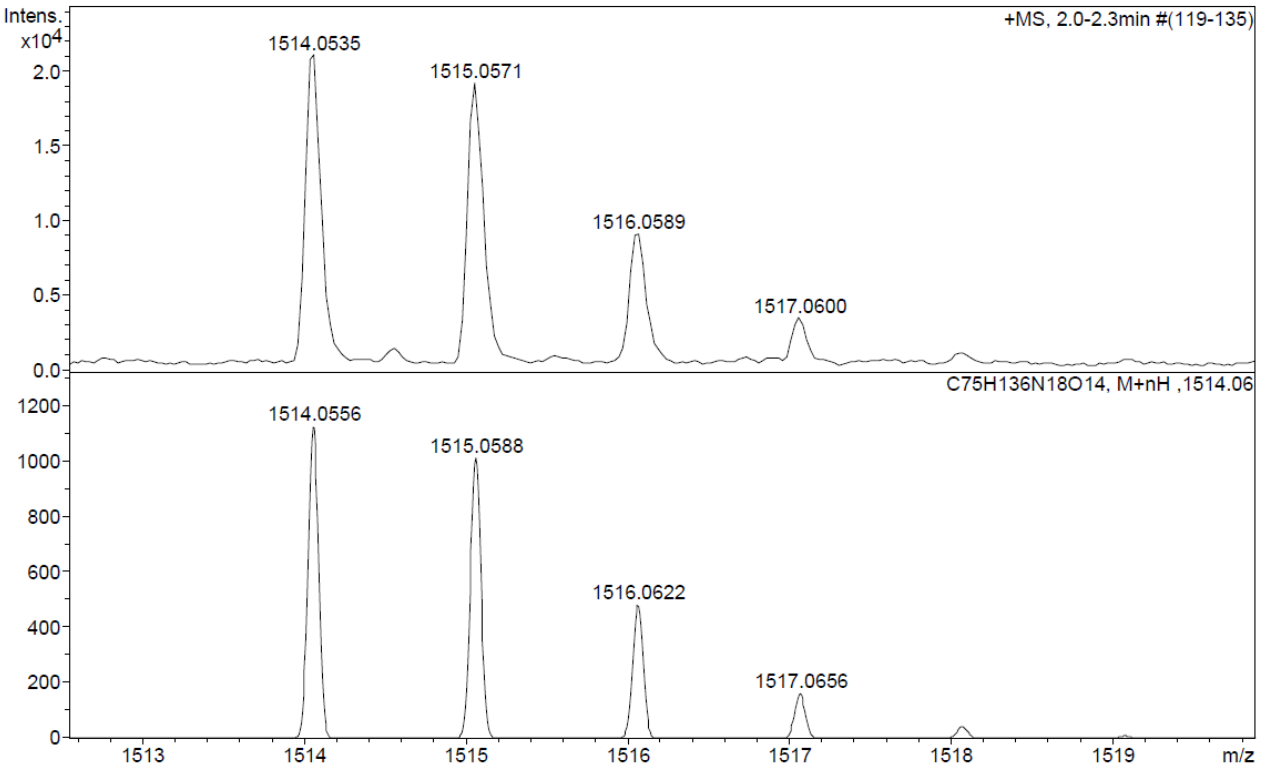
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,41	995,875	73,746	100,00
Total:		995,875	73,746	100,00

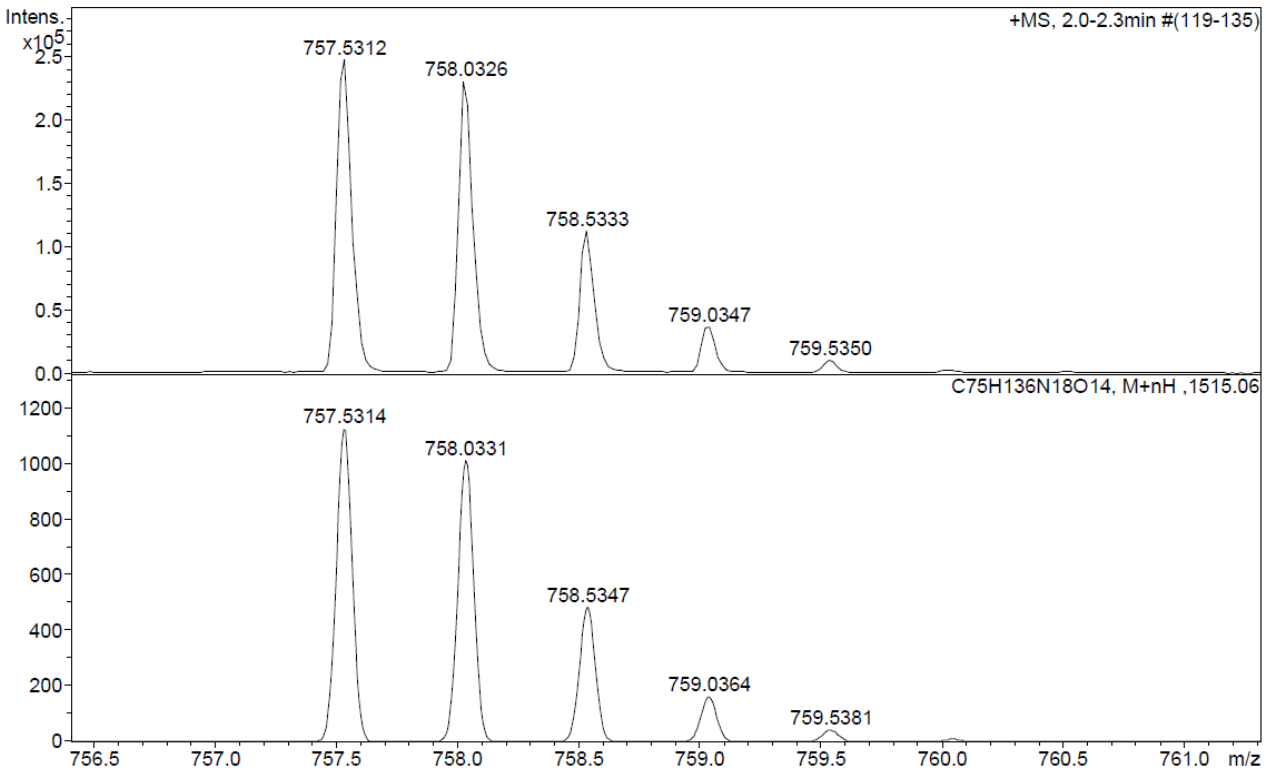
ESI-MS (*m/z*)



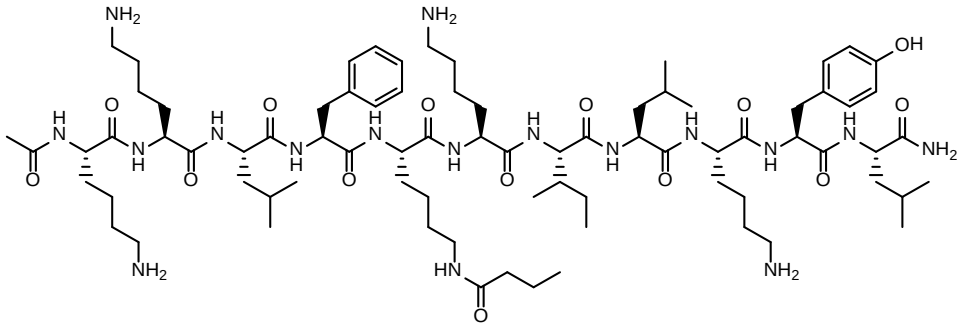
HRMS (*m/z*)


Intens.
x10^5
+MS, 2.0-2.3min #(119-135)
757.5312
1514.0535
2.5
2.0
1.5
1.0
0.5
0.0
500
1000
1500
2000
2500
m/z

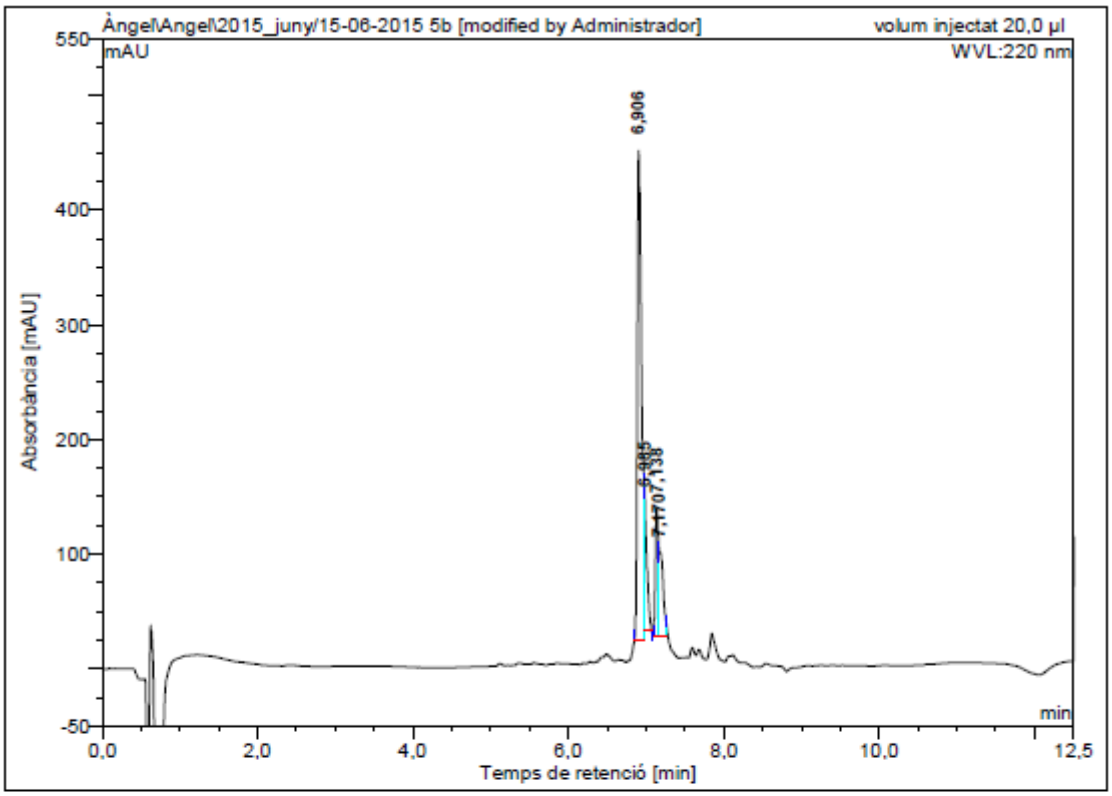

Intens.
x10^4
+MS, 2.0-2.3min #(119-135)
1514.0535
1515.0571
1516.0589
1517.0600
2.0
1.5
1.0
0.5
0.0
C75H136N18O14, M+nH ,1514.06
1514.0556
1515.0588
1516.0622
1517.0656
1200
1000
800
600
400
200
0
1513
1514
1515
1516
1517
1518
1519
m/z


Intens.
x10^5
+MS, 2.0-2.3min #(119-135)
757.5312
758.0326
758.5333
759.0347
759.5350
C75H136N18O14, M+nH ,1515.06
757.5314
758.0331
758.5347
759.0364
759.5381
m/z

Ac-Lys-Lys-Leu-Phe-Lys(COC_3H_7)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP384)

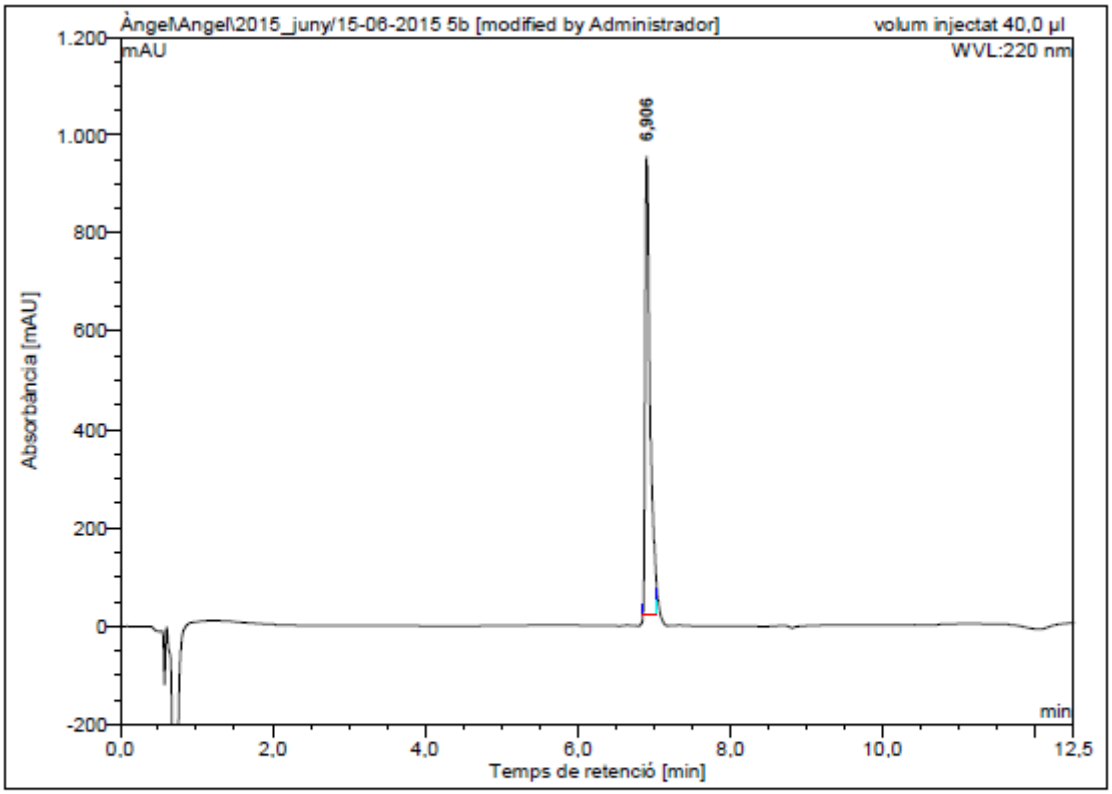


HPLC of crude peptide (λ=220 nm)



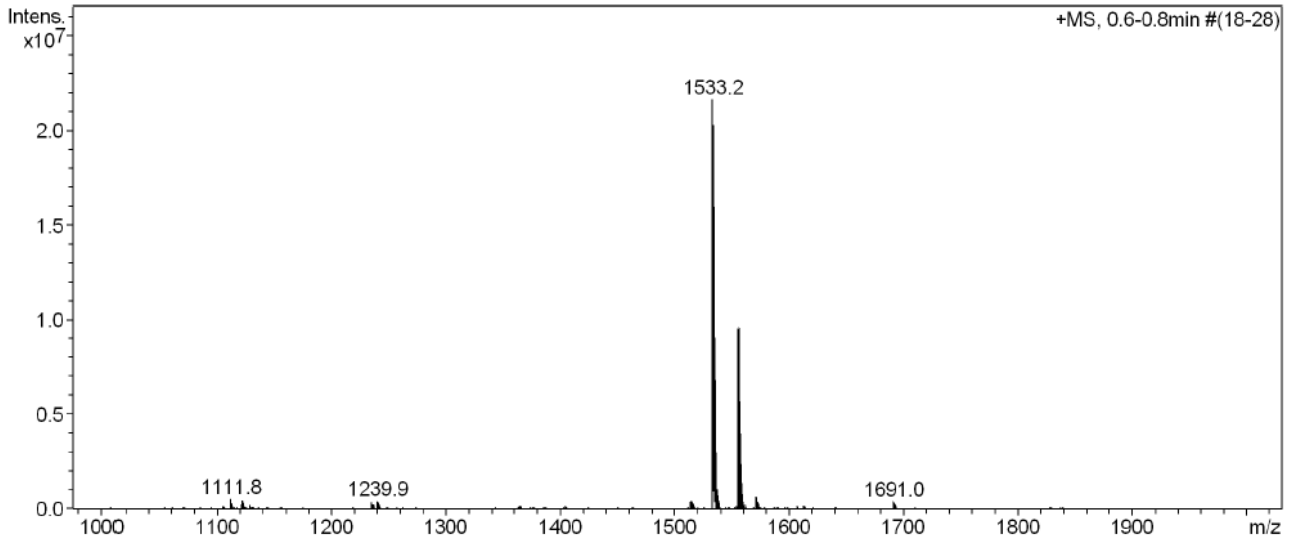
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,91	426,920	27,025	66,79
2	6,98	112,434	3,823	9,45
3	7,14	112,964	5,513	13,62
4	7,17	73,501	4,103	10,14
Total:		725,818	40,463	100,00

HPLC of purified peptide (λ=220 nm)

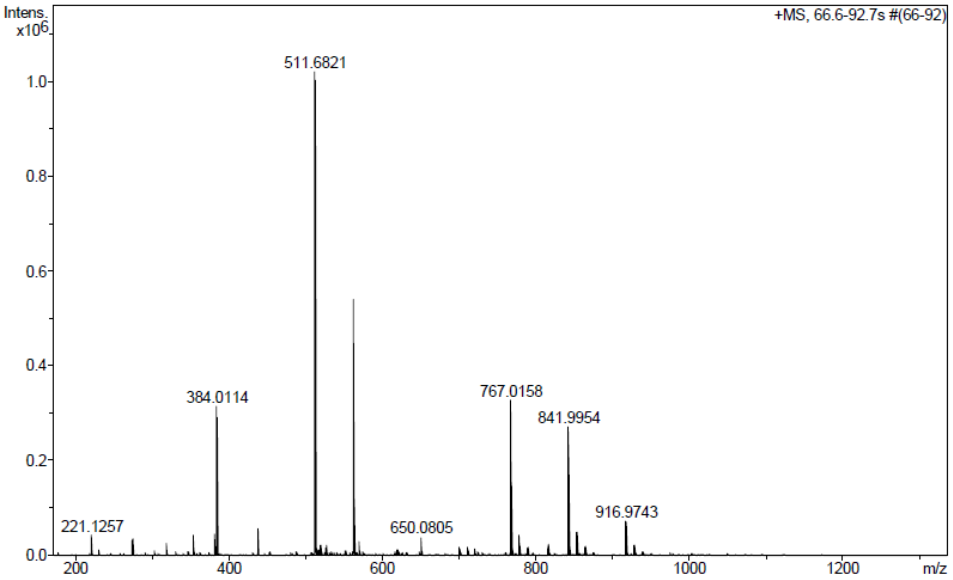


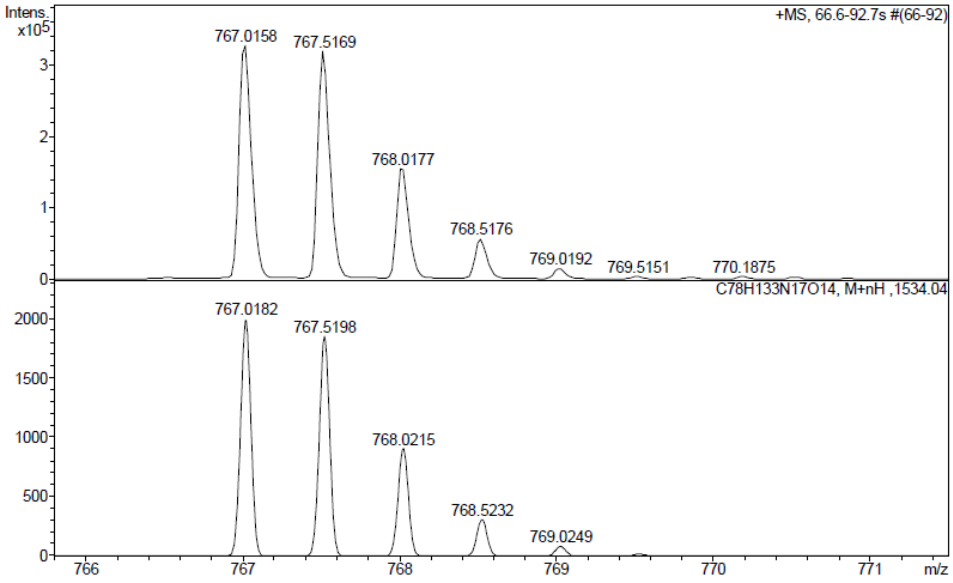
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,91	931,844	70,418	100,00
Total:		931,844	70,418	100,00

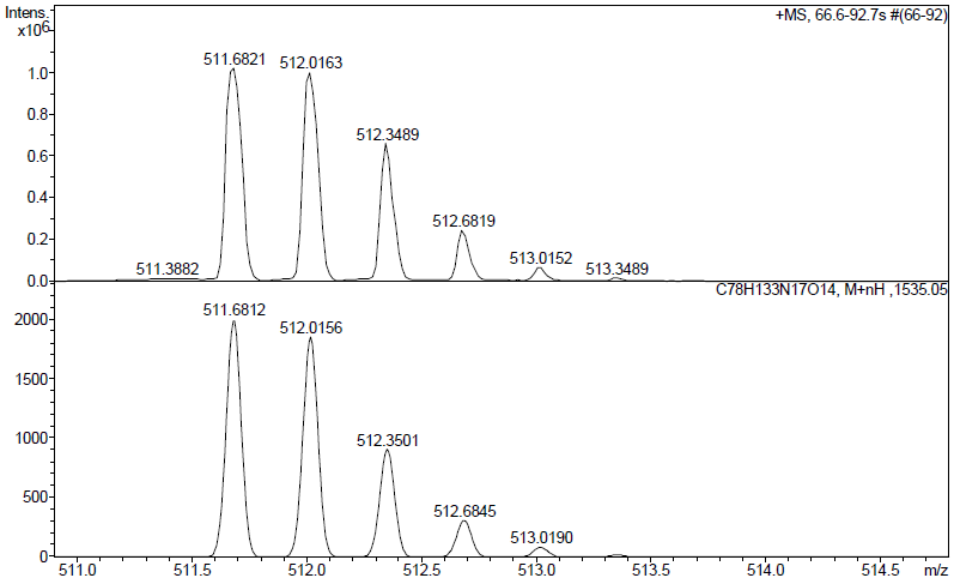
ESI-MS (*m/z*)

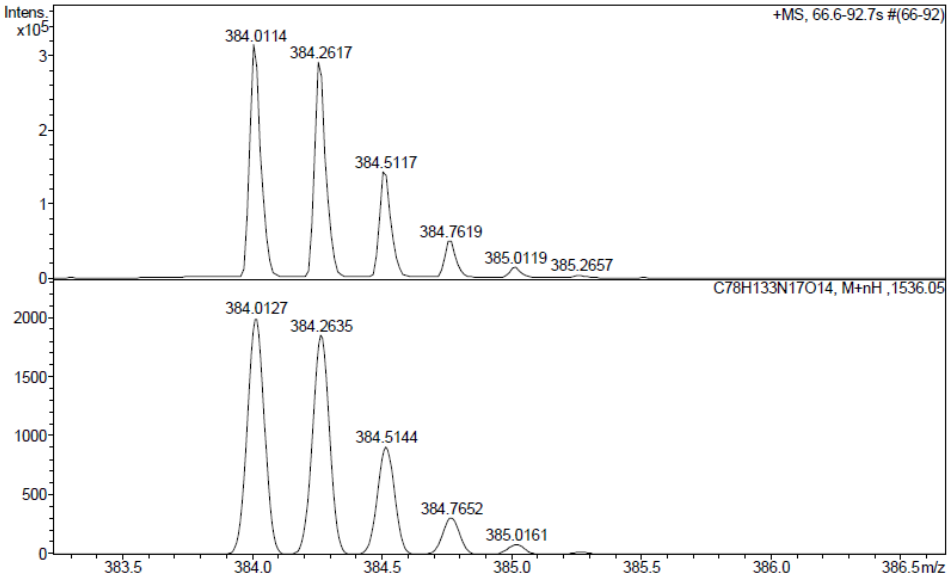


HRMS (*m/z*)

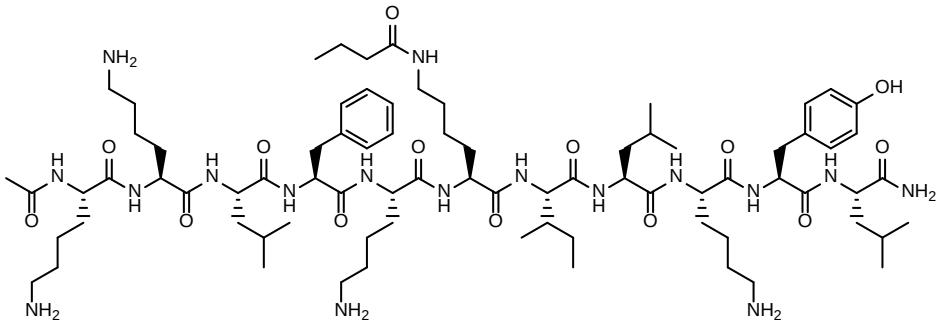

Intens.
x10^6
+MS, 66.6-92.7s #(66-92)
511.6821
384.0114
767.0158
841.9954
916.9743
221.1257
650.0805
m/z


Intens.
x10^5
+MS, 66.6-92.7s #(66-92)
767.0158
767.5169
768.0177
768.5176
769.0192
769.5151
770.1875
C78H133N17O14, M+nH ,1534.04
767.0182
767.5198
768.0215
768.5232
769.0249
m/z

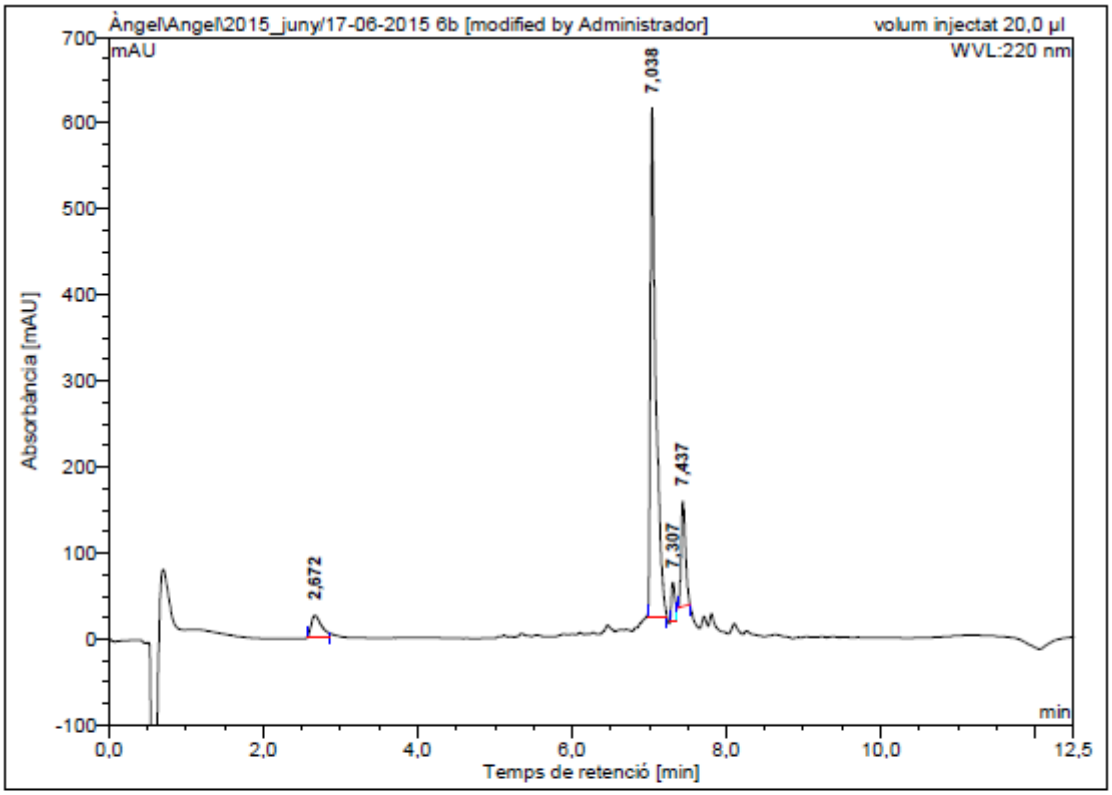

Intens.
x10^6
+MS, 66.6-92.7s #(66-92)
511.6821
512.0163
512.3489
512.6819
511.3882
513.0152
513.3489
C78H133N17O14, M+nH ,1535.05
511.6812
512.0156
512.3501
512.6845
513.0190
m/z


Intens.
x10^5
+MS, 66.6-92.7s #(66-92)
384.0114
384.2617
384.5117
384.7619
385.0119
385.2657
C78H133N17O14, M+nH ,1536.05
384.0127
384.2635
384.5144
384.7652
385.0161
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys(COC_3H_7)-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP385)

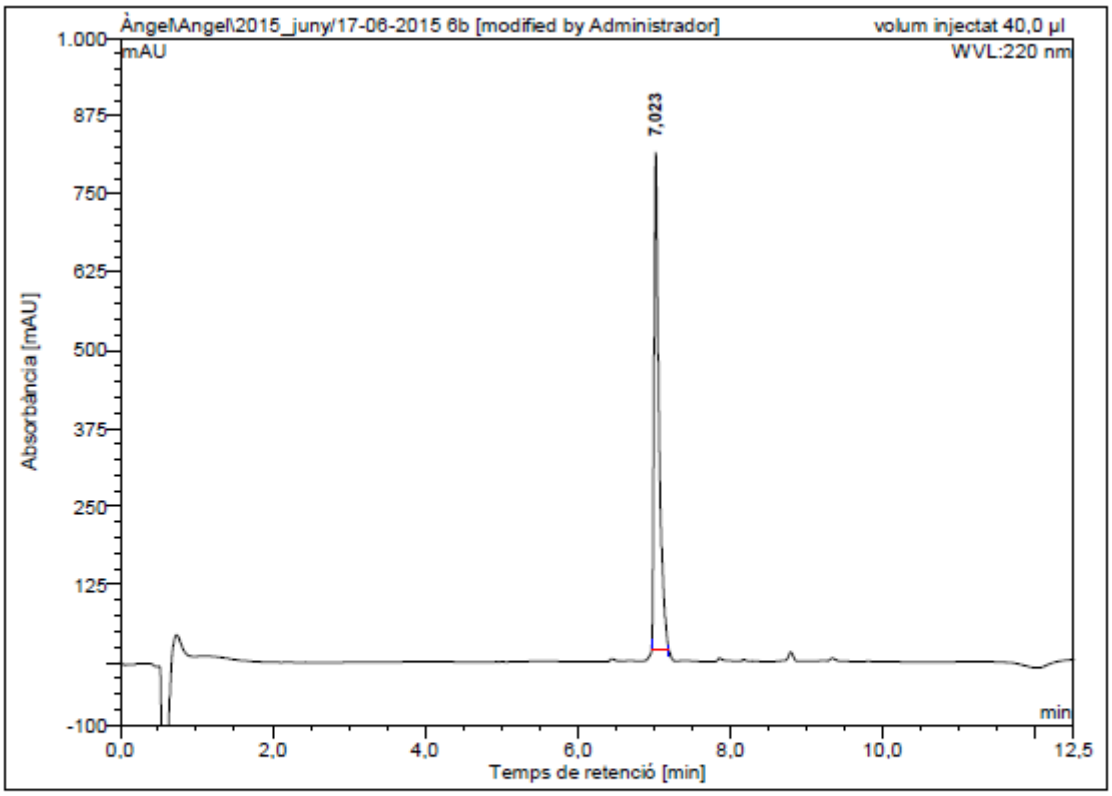


HPLC of crude peptide (λ=220 nm)



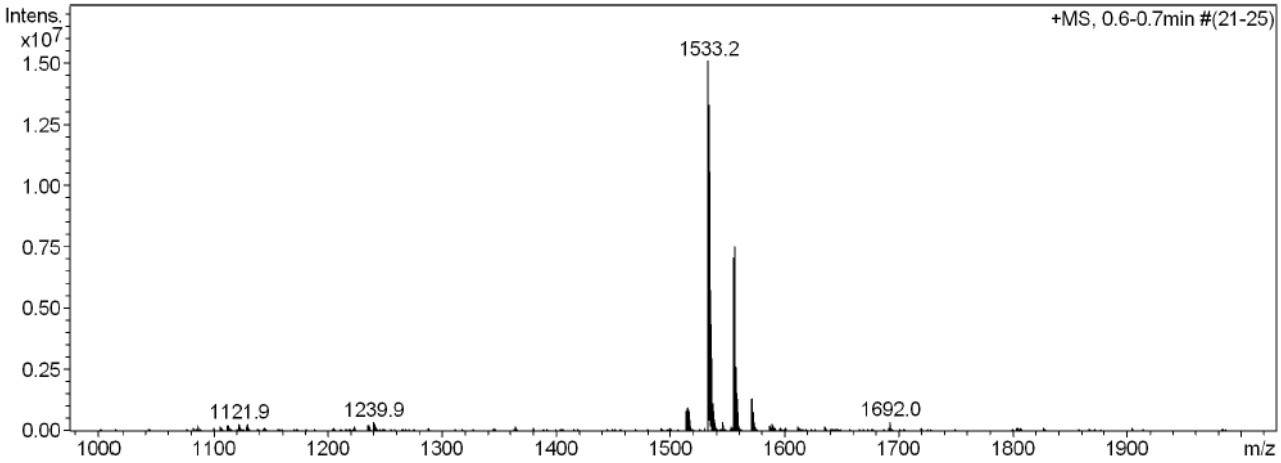
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	2,67	24,266	3,591	5,79
2	7,04	592,498	48,281	77,83
3	7,31	45,100	2,200	3,55
4	7,44	122,228	7,962	12,83
Total:		784,093	62,033	100,00

HPLC of purified peptide (λ=220 nm)

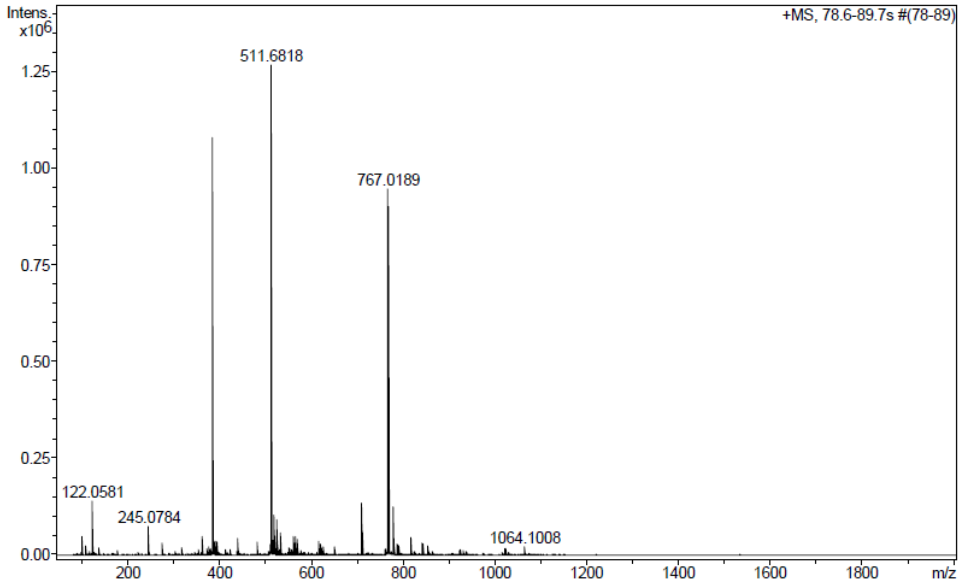


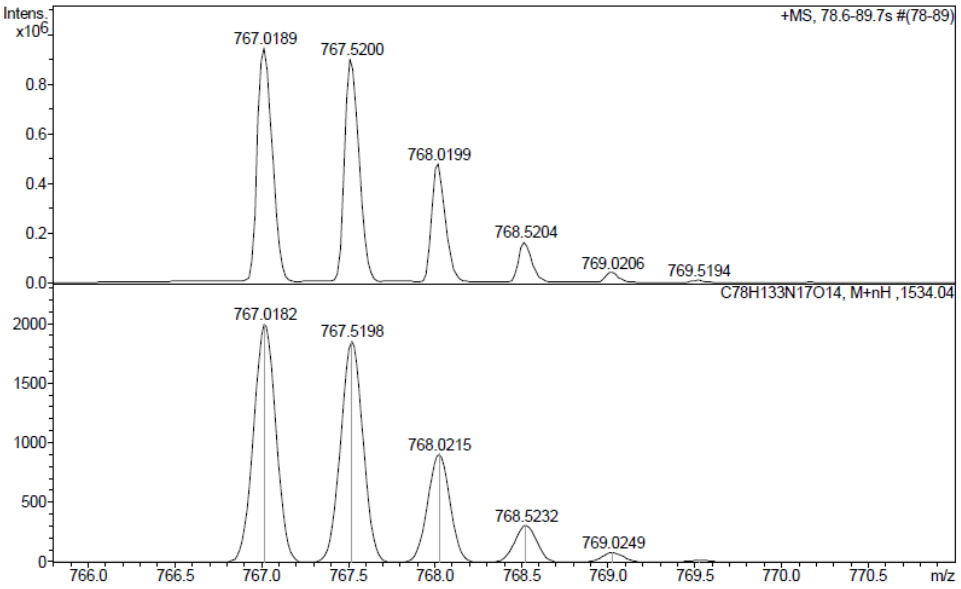
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,02	795,497	59,612	100,00
Total:		795,497	59,612	100,00

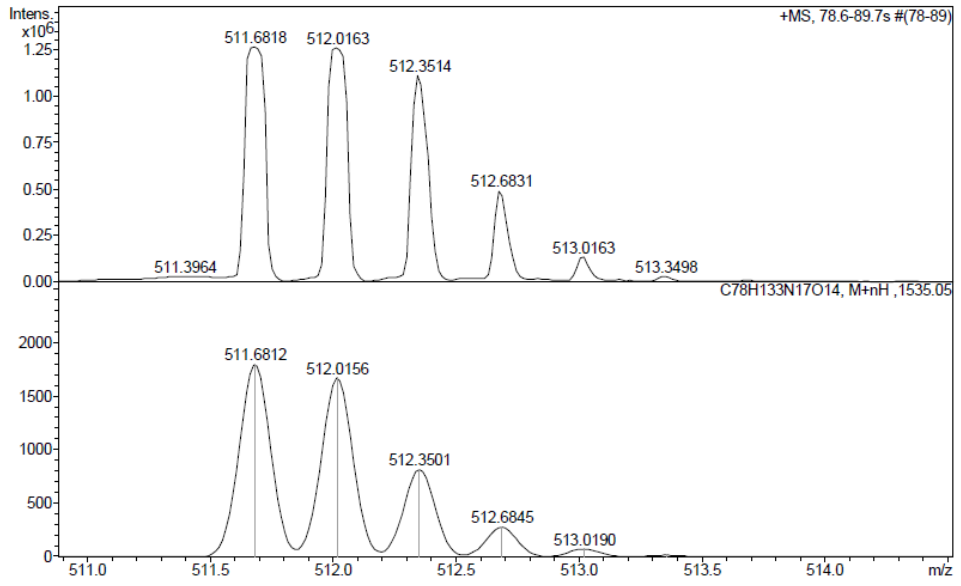
ESI-MS (*m/z*)

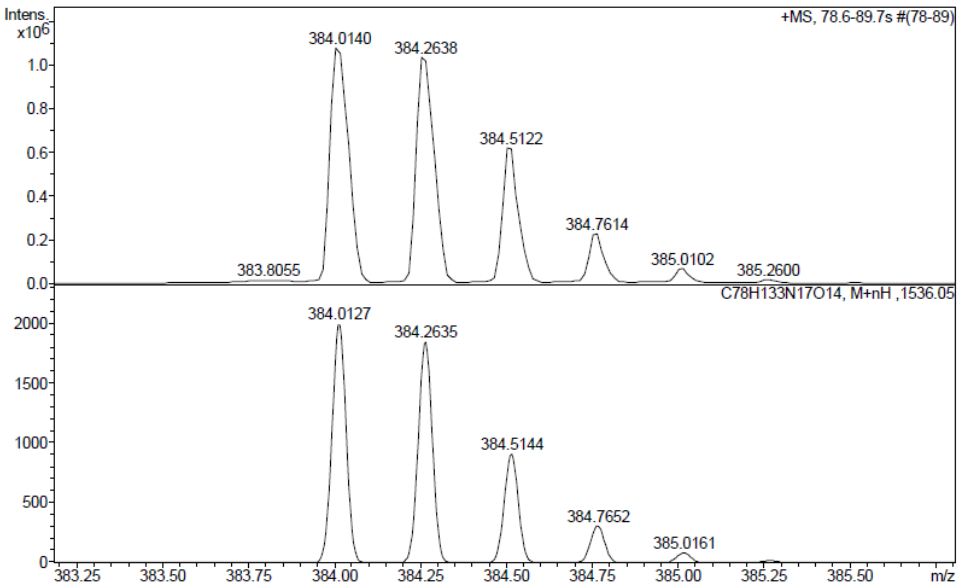


HRMS (*m/z*)

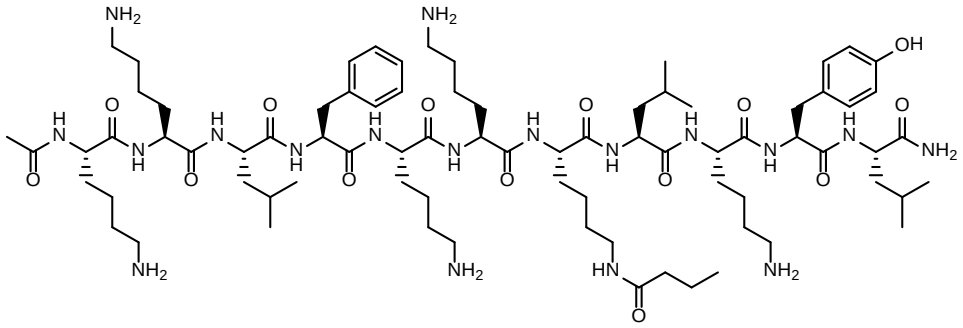

Intens.
x10^6
+MS, 78.6-89.7s #(78-89)
511.6818
767.0189
122.0581
245.0784
1064.1008
m/z


Intens.
x10^6
+MS, 78.6-89.7s #(78-89)
767.0189
767.5200
768.0199
768.5204
769.0206
769.5194
C78H133N17O14, M+nH ,1534.04
767.0182
767.5198
768.0215
768.5232
769.0249
m/z

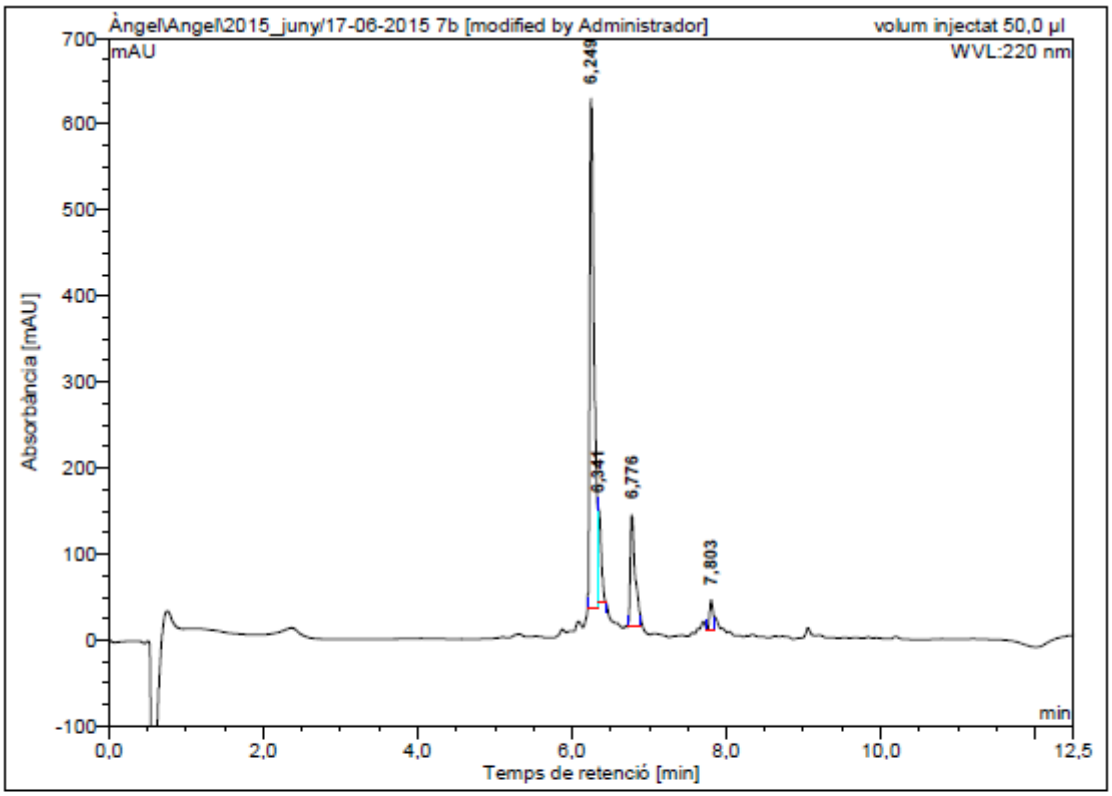

Intens.
x10^6
+MS, 78.6-89.7s #(78-89)
511.6818
512.0163
512.3514
512.6831
513.0163
513.3498
511.3964
C78H133N17O14, M+nH ,1535.05
511.6812
512.0156
512.3501
512.6845
513.0190
m/z


Intens.
x10^6
+MS, 78.6-89.7s #(78-89)
384.0140
384.2638
384.5122
384.7614
383.8055
385.0102
385.2600
C78H133N17O14, M+nH ,1536.05
384.0127
384.2635
384.5144
384.7652
385.0161
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys(COC_3H_7)-Leu-Lys-Tyr-Leu-NH_2 (BP386)

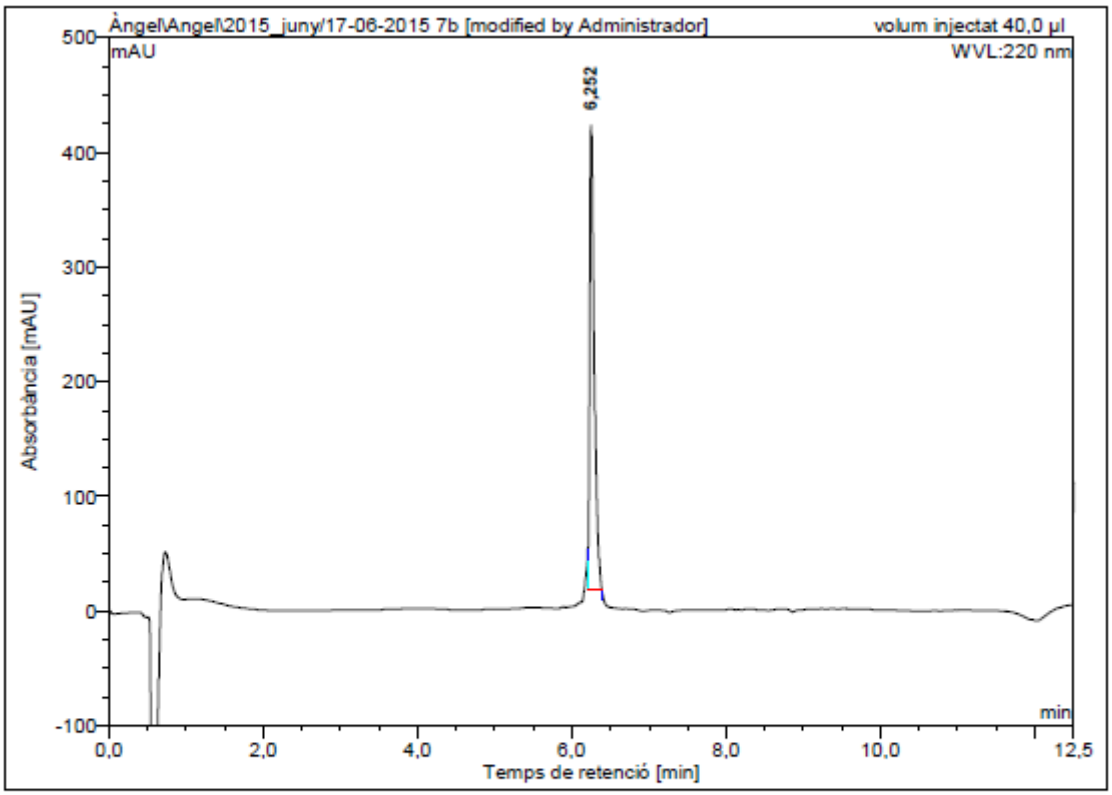


HPLC of crude peptide (λ=220 nm)



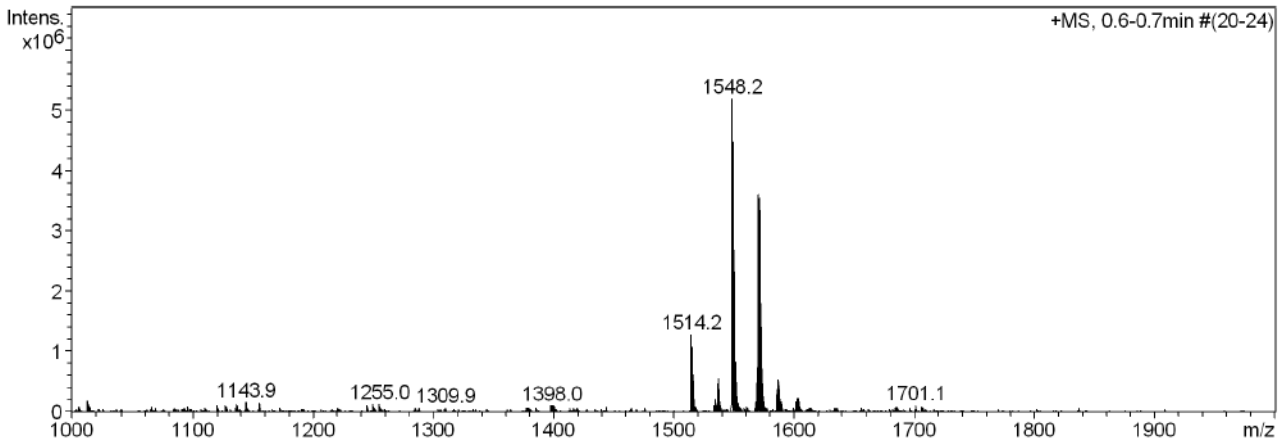
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,25	592,905	38,948	70,32
2	6,34	108,977	5,107	9,22
3	6,78	129,662	9,529	17,20
4	7,80	33,947	1,805	3,26
Total:		865,491	55,388	100,00

HPLC of purified peptide (λ=220 nm)

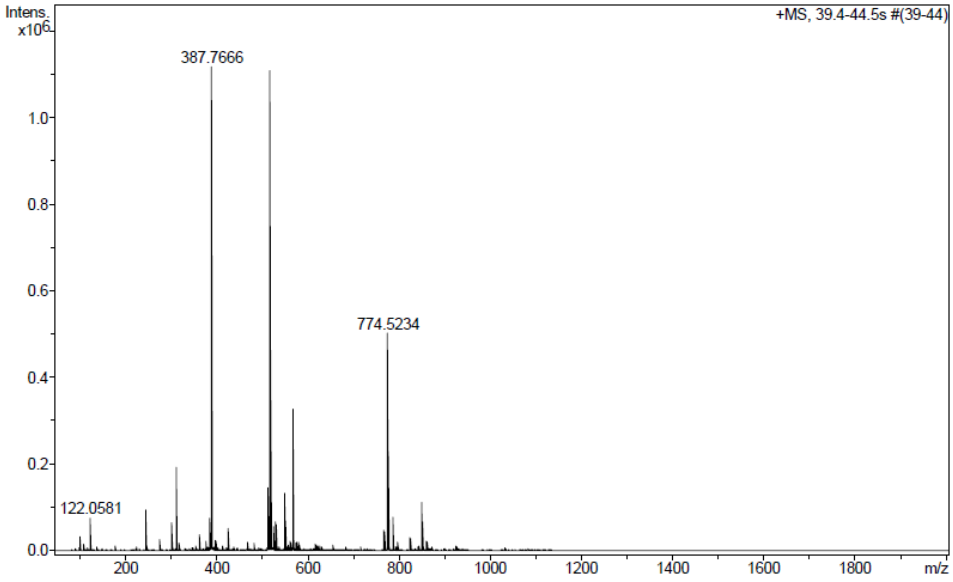


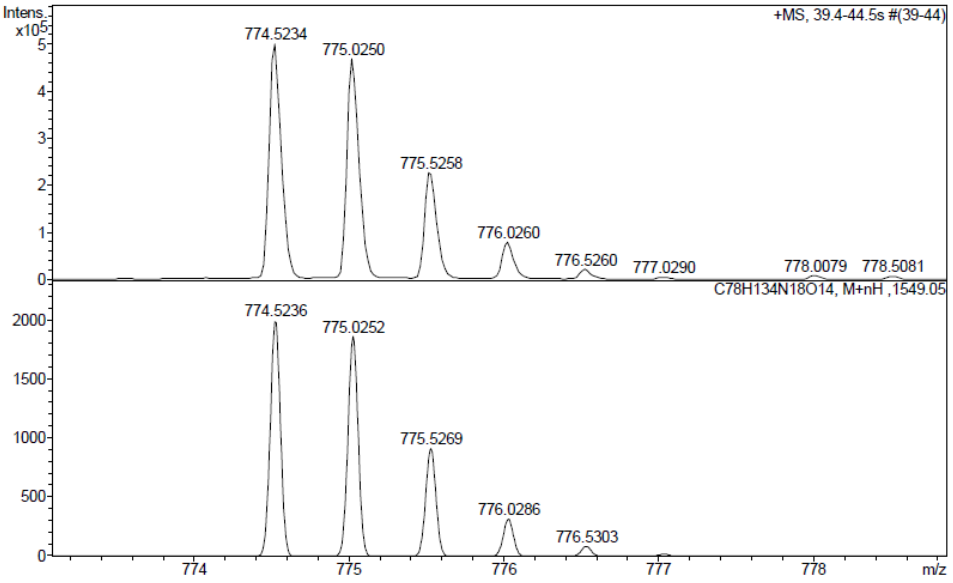
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,25	405,383	28,199	100,00
Total:		405,383	28,199	100,00

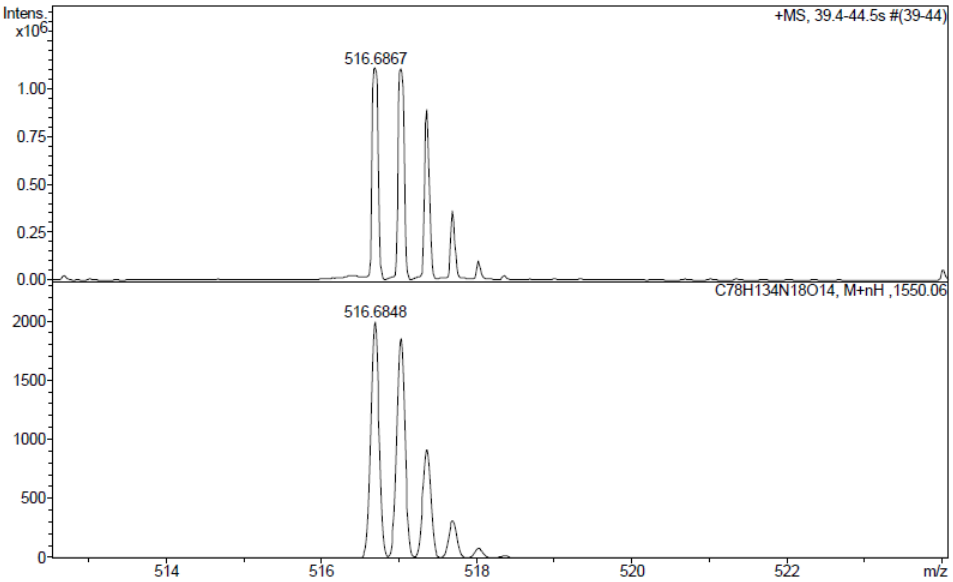
ESI-MS (*m/z*)

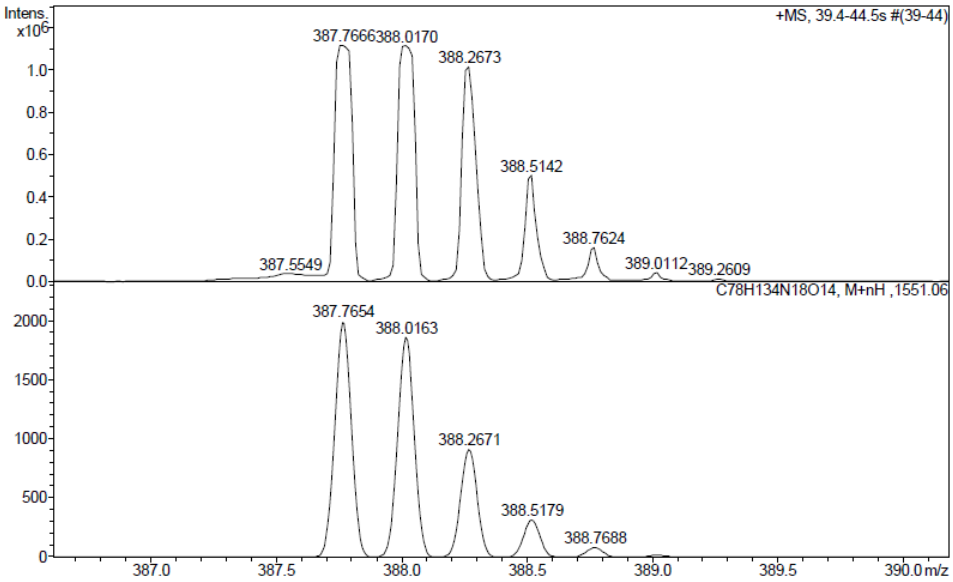


HRMS (*m/z*)

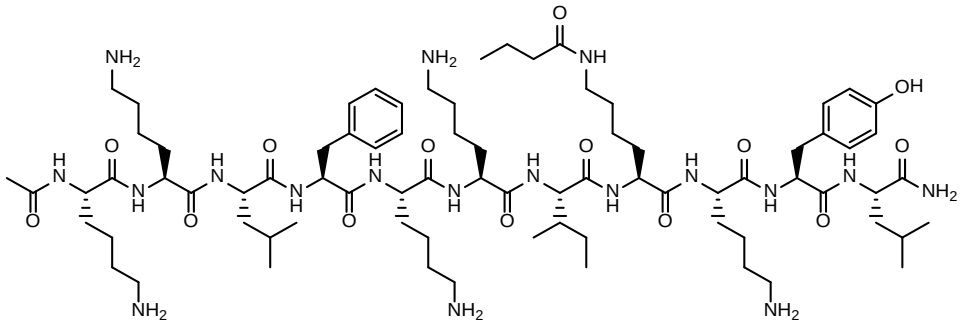

Intens.
x10^6
+MS, 39.4-44.5s #(39-44)
387.7666
774.5234
122.0581
m/z


Intens.
x10^5
+MS, 39.4-44.5s #(39-44)
774.5234
775.0250
775.5258
776.0260
776.5260
777.0290
778.0079
778.5081
C78H134N18O14, M+nH ,1549.05
774.5236
775.0252
775.5269
776.0286
776.5303
m/z

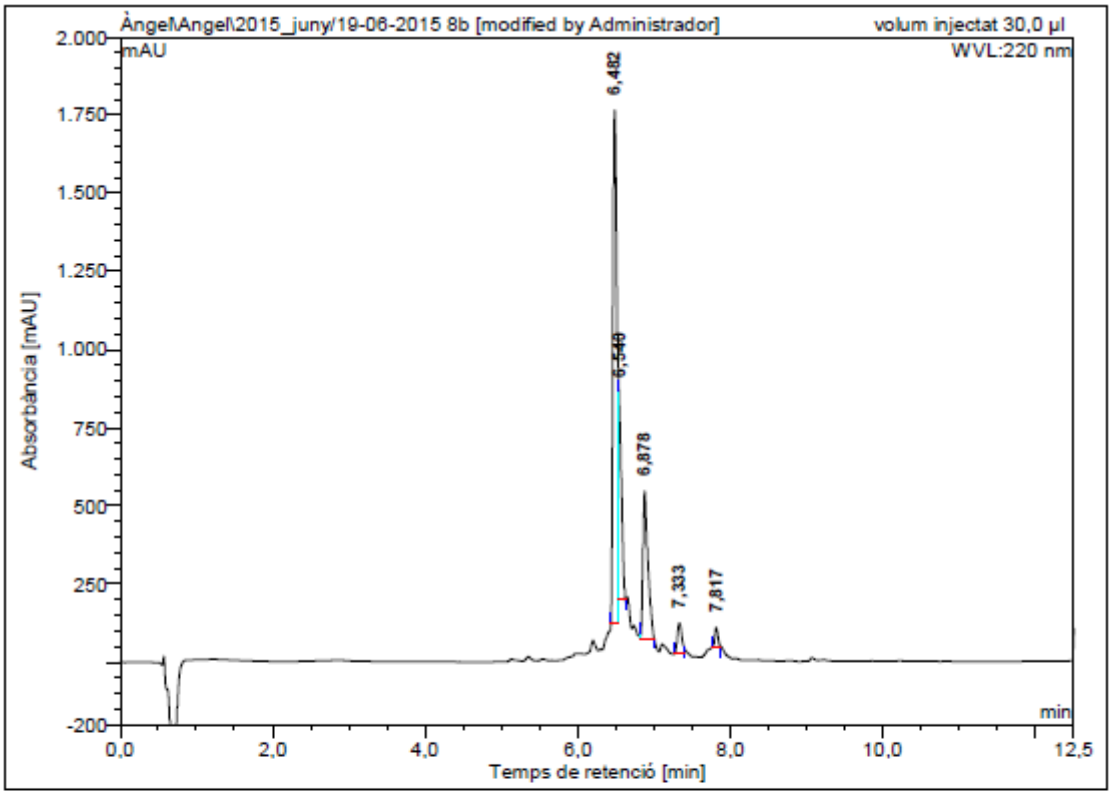

Intens.
x10^6
+MS, 39.4-44.5s #(39-44)
516.6867
C78H134N18O14, M+nH ,1550.06
516.6848
m/z


Intens.
x10^6
+MS, 39.4-44.5s #(39-44)
387.7666
388.0170
388.2673
388.5142
388.7624
387.5549
389.0112
389.2609
C78H134N18O14, M+nH ,1551.06
387.7654
388.0163
388.2671
388.5179
388.7688
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys(COC_3H_7)-Lys-Tyr-Leu-NH_2 (BP387)

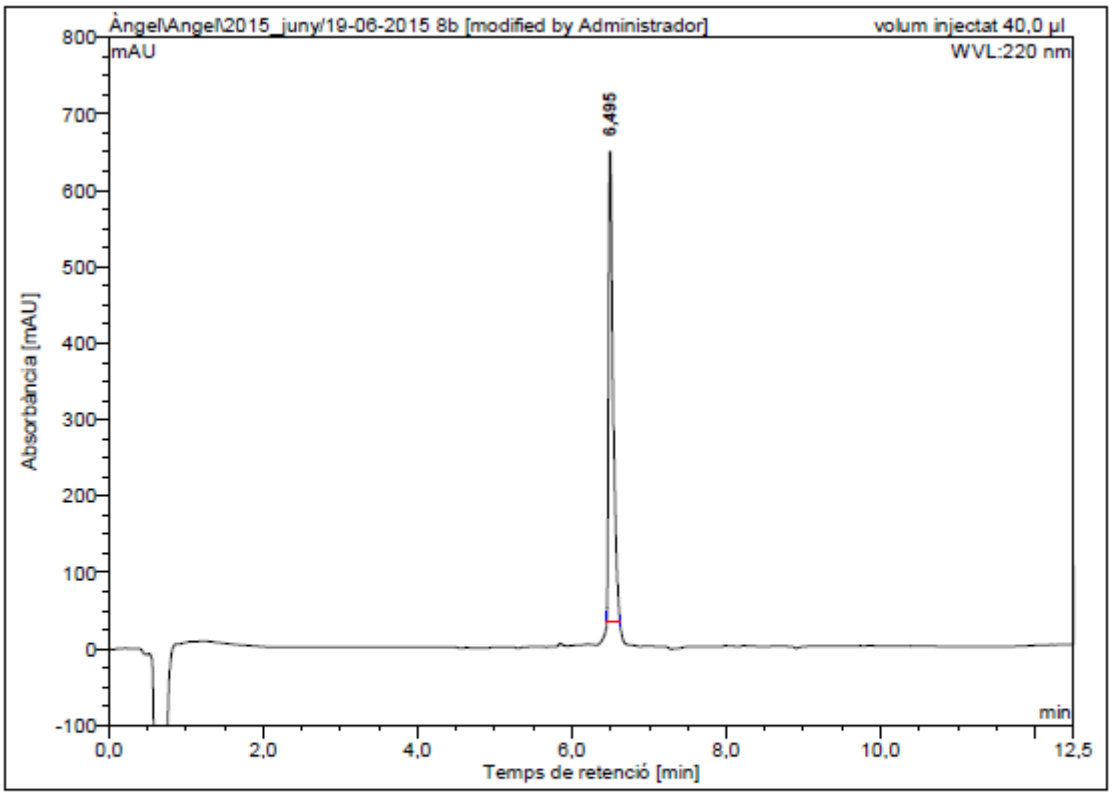


HPLC of crude peptide (λ=220 nm)



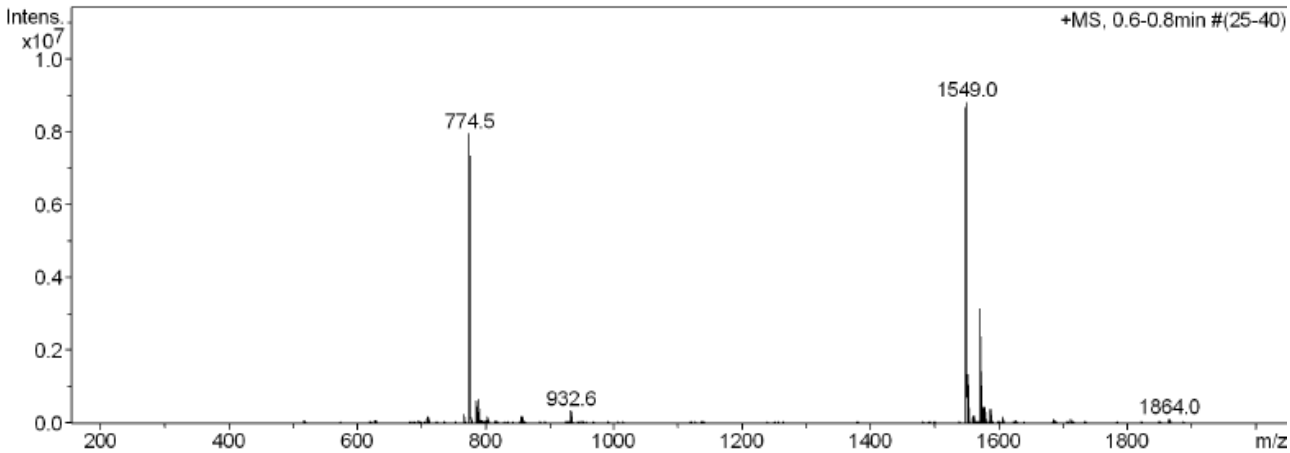
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,48	1641,202	103,705	59,43
2	6,54	662,273	25,655	14,70
3	6,88	470,800	35,575	20,39
4	7,33	99,025	6,624	3,80
5	7,82	62,032	2,926	1,68
Total:		2935,332	174,486	100,00

HPLC of purified peptide (λ=220 nm)

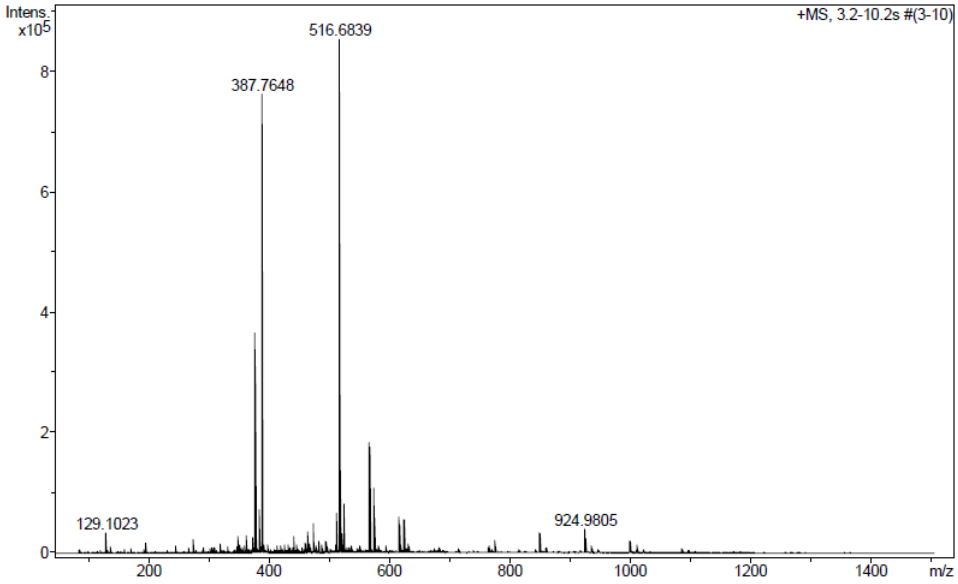


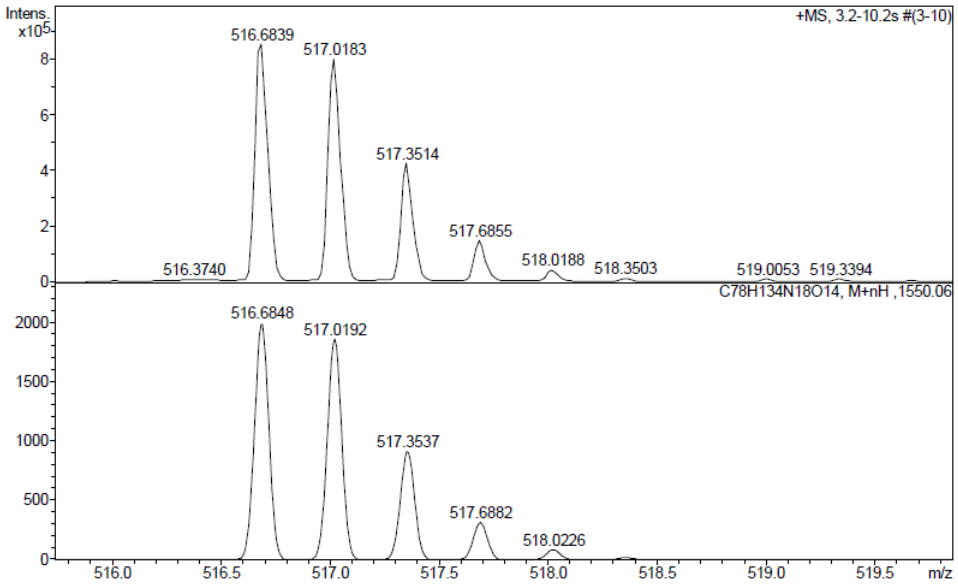
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,49	614,564	41,220	100,00
Total:		614,564	41,220	100,00

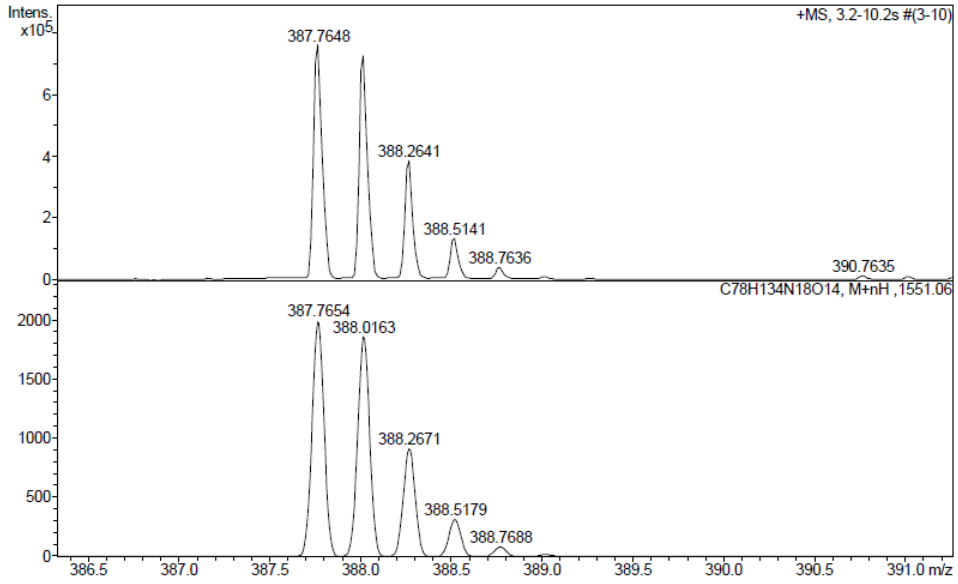
ESI-MS (*m/z*)



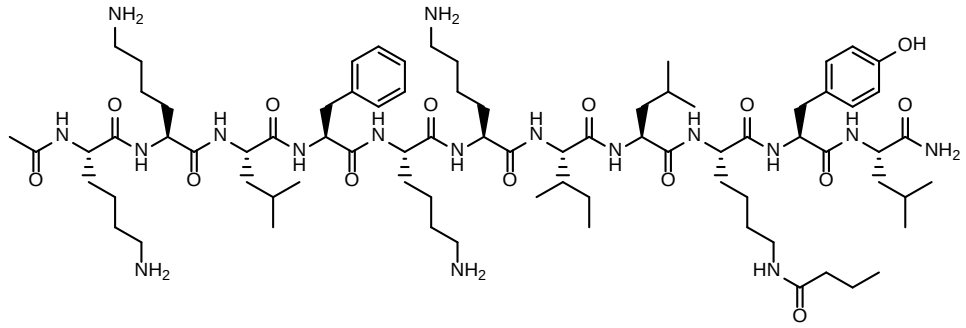
HRMS (*m/z*)


Intens.
x10^5
+MS, 3.2-10.2s #(3-10)
516.6839
387.7648
129.1023
924.9805
m/z

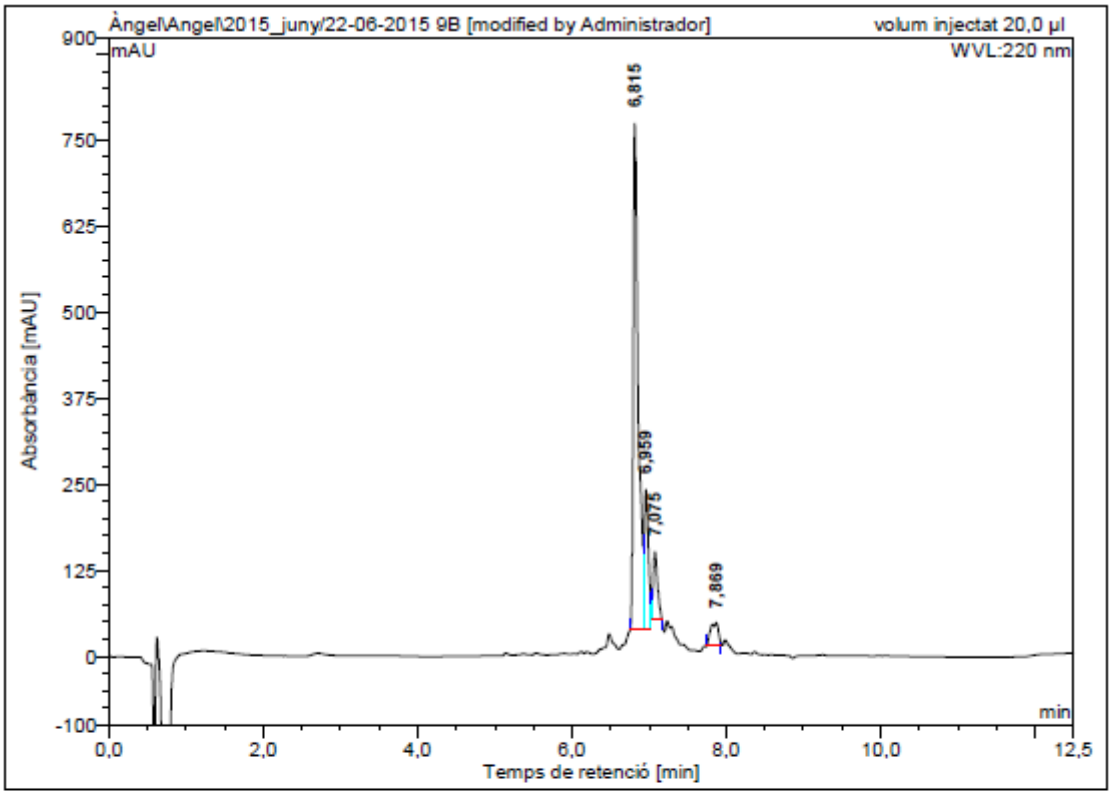

Intens.
x10^5
+MS, 3.2-10.2s #(3-10)
516.6839
517.0183
517.3514
517.6855
516.3740
518.0188
518.3503
519.0053
519.3394
C78H134N18O14, M+nH ,1550.06
516.6848
517.0192
517.3537
517.6882
518.0226
m/z


Intens.
x10^5
+MS, 3.2-10.2s #(3-10)
387.7648
388.2641
388.5141
388.7636
390.7635
C78H134N18O14, M+nH ,1551.06
387.7654
388.0163
388.2671
388.5179
388.7688
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys(COC_3H_7)-Tyr-Leu-NH_2 (BP388)

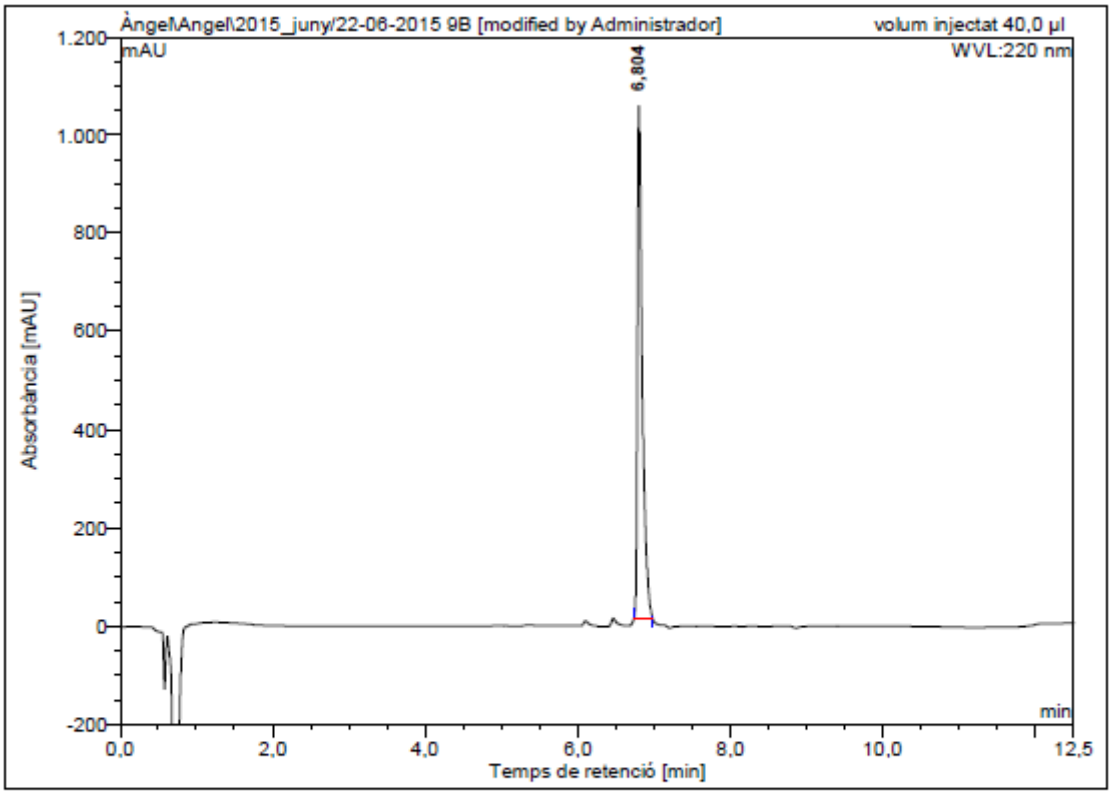


HPLC of crude peptide (λ=220 nm)



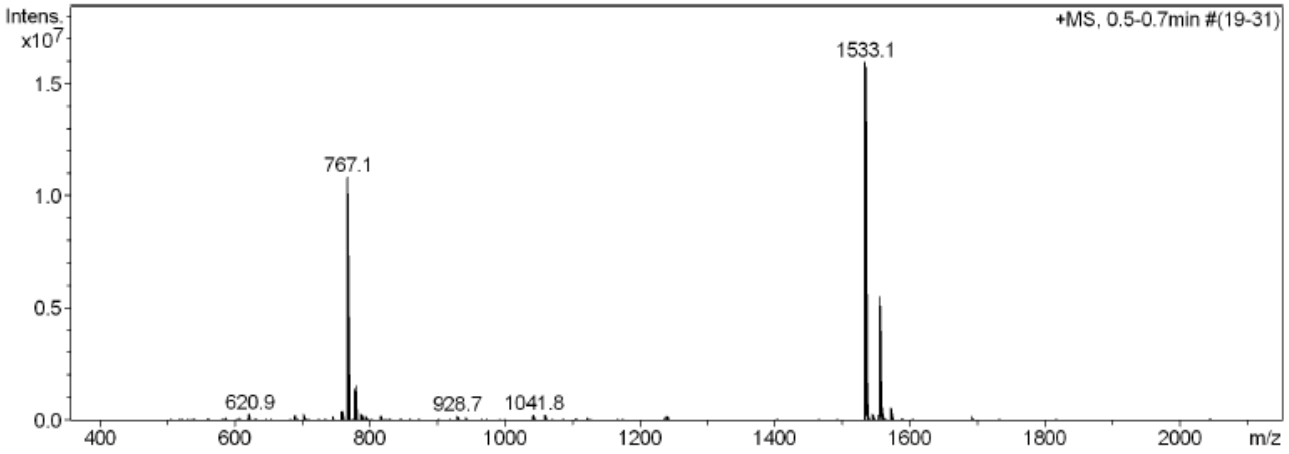
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,81	734,597	55,356	71,07
2	6,96	202,939	12,415	15,94
3	7,08	96,940	6,299	8,09
4	7,87	32,676	3,822	4,91
Total:		1067,152	77,893	100,00

HPLC of purified peptide (λ=220 nm)

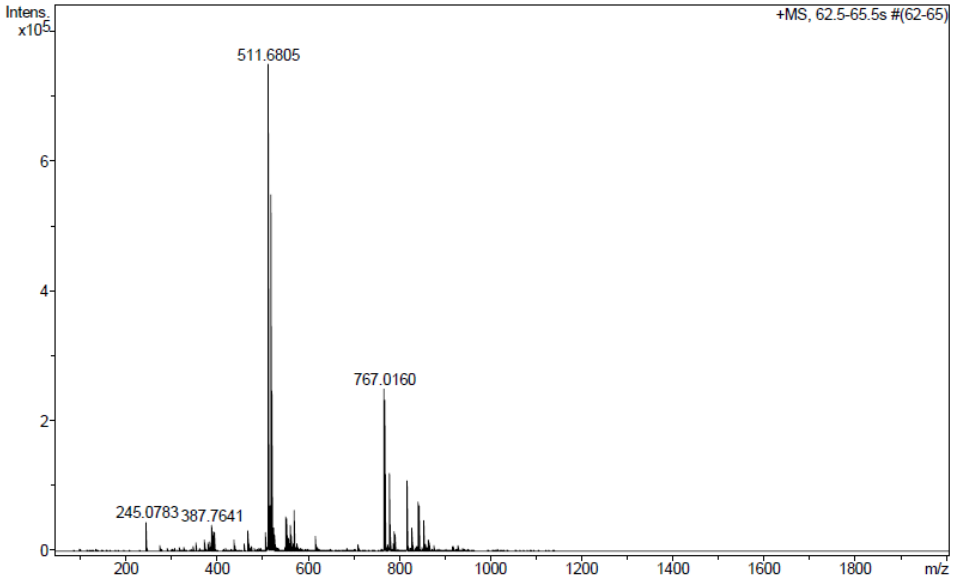


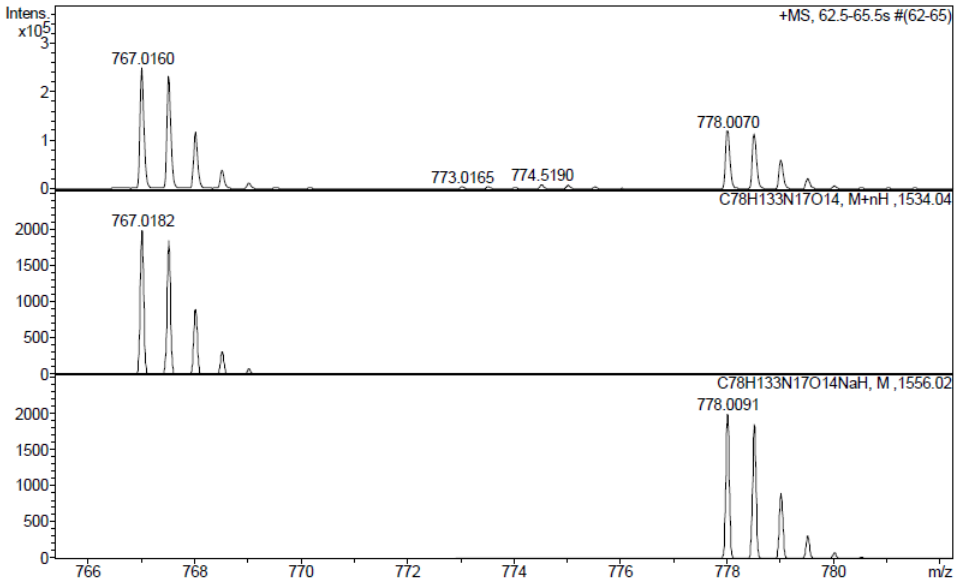
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,80	1043,690	77,975	100,00
Total:		1043,690	77,975	100,00

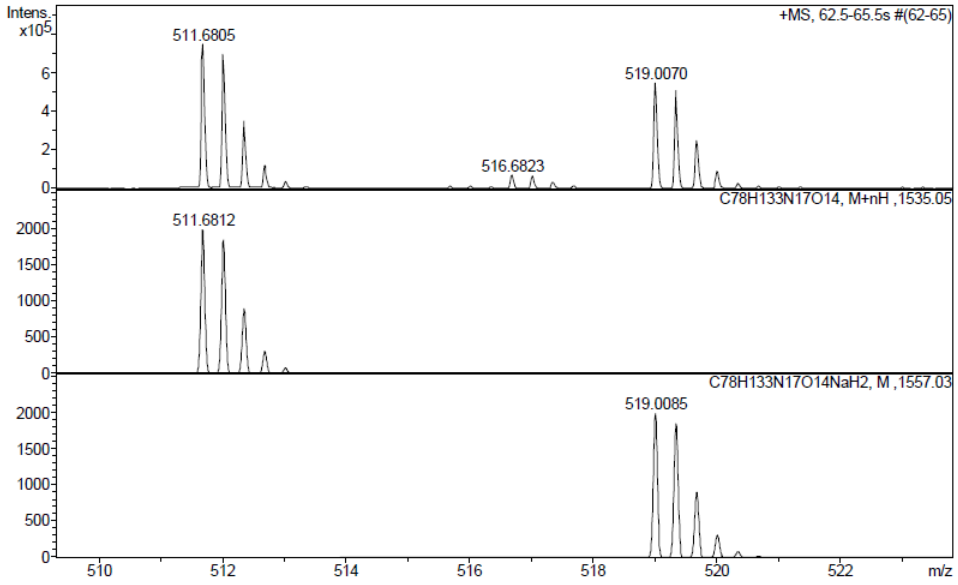
ESI-MS (*m/z*)



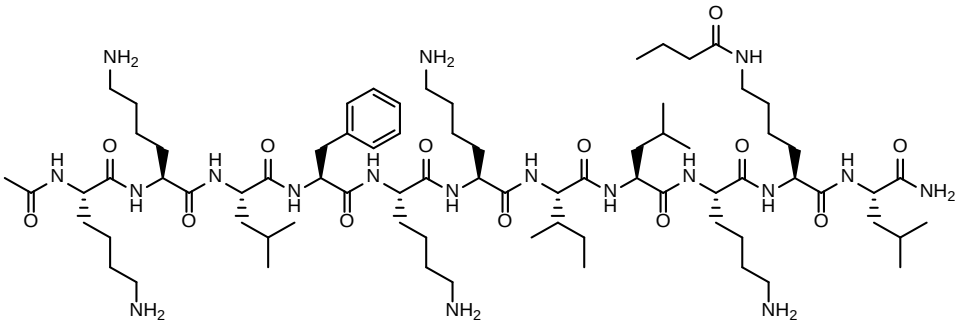
HRMS (*m/z*)


Intens.
x10^5
+MS, 62.5-65.5s #(62-65)
511.6805
767.0160
245.0783
387.7641
m/z

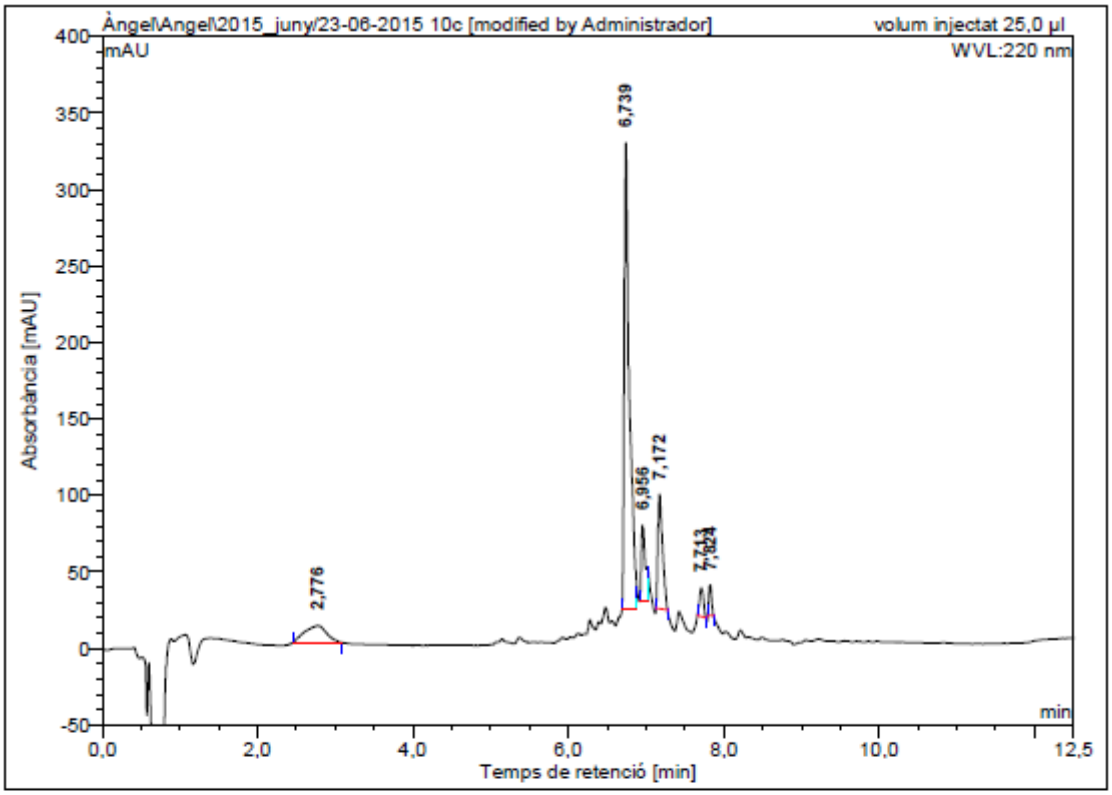

Intens.
x10^5
+MS, 62.5-65.5s #(62-65)
767.0160
778.0070
773.0165
774.5190
C78H133N17O14, M+nH ,1534.04
767.0182
C78H133N17O14NaH, M ,1556.02
778.0091
m/z


Intens.
x10^5
+MS, 62.5-65.5s #(62-65)
511.6805
519.0070
516.6823
C78H133N17O14, M+nH ,1535.05
511.6812
C78H133N17O14NaH2, M ,1557.03
519.0085
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys(COC_3H_7)-Leu-NH_2 (BP389)

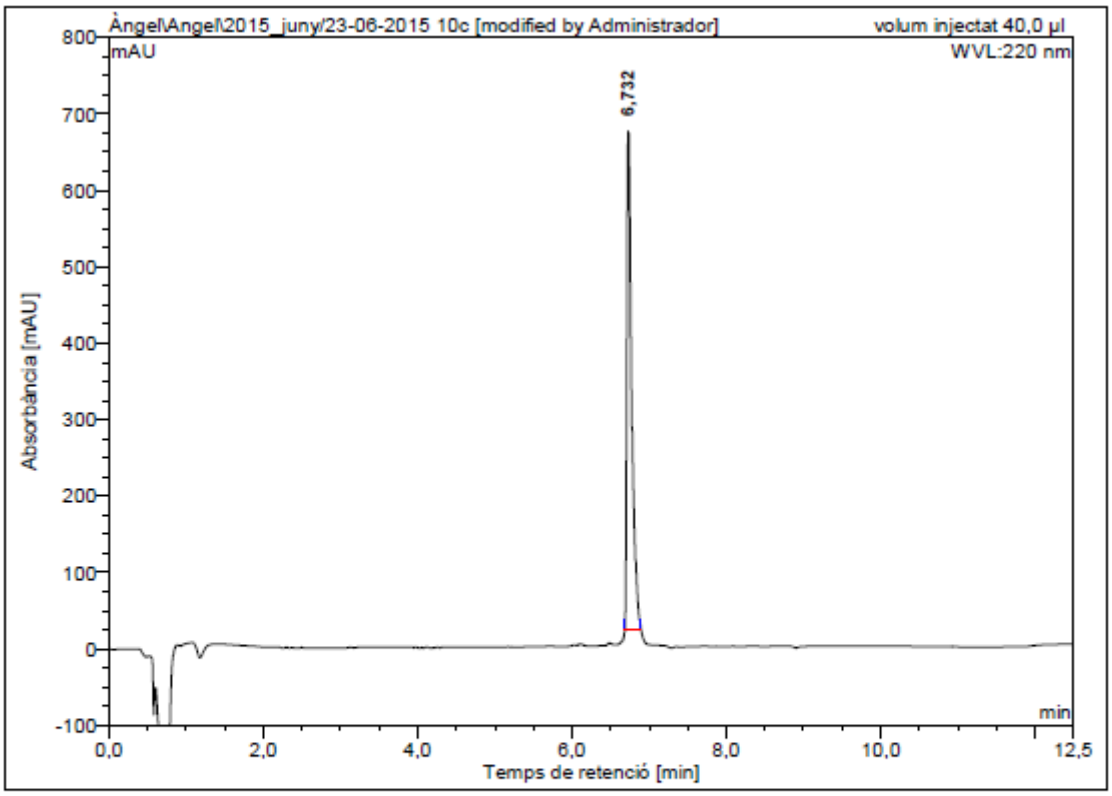


HPLC of crude peptide (λ=220 nm)



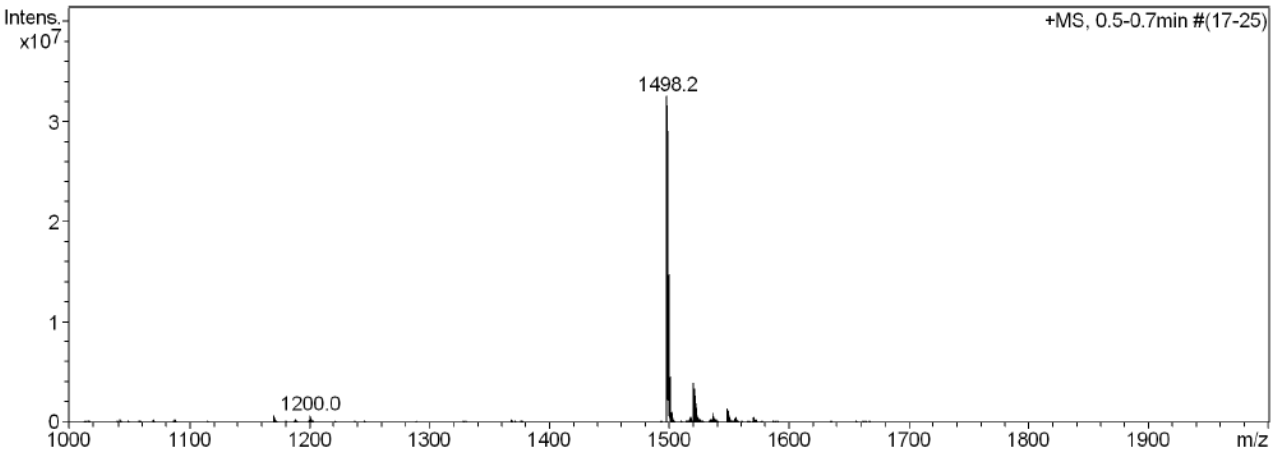
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	2,78	11,120	3,623	9,81
2	6,74	304,240	23,356	63,24
3	6,96	49,294	2,872	7,78
4	7,17	75,149	5,192	14,06
5	7,71	18,724	1,088	2,95
6	7,82	19,966	0,802	2,17
Total:		478,493	36,934	100,00

HPLC of purified peptide (λ=220 nm)

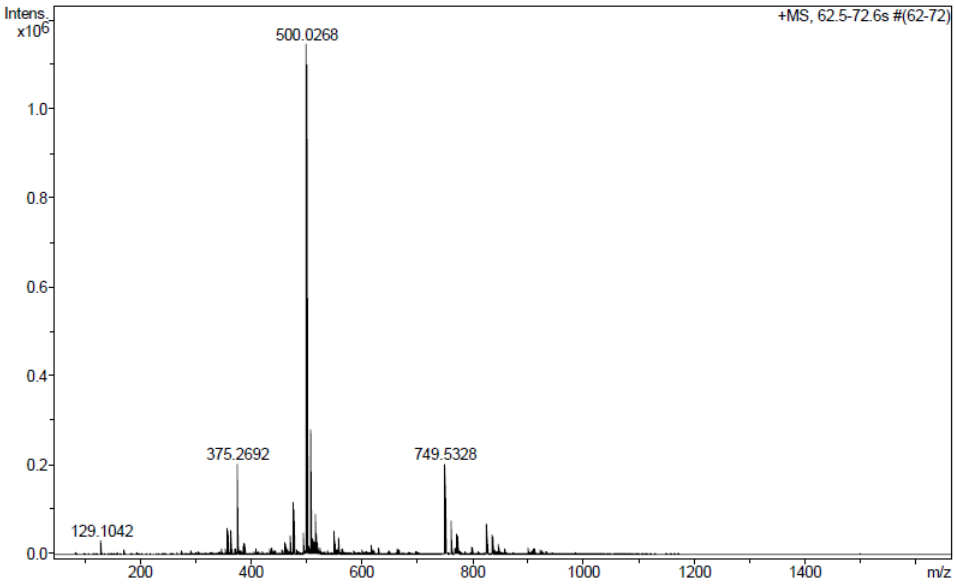


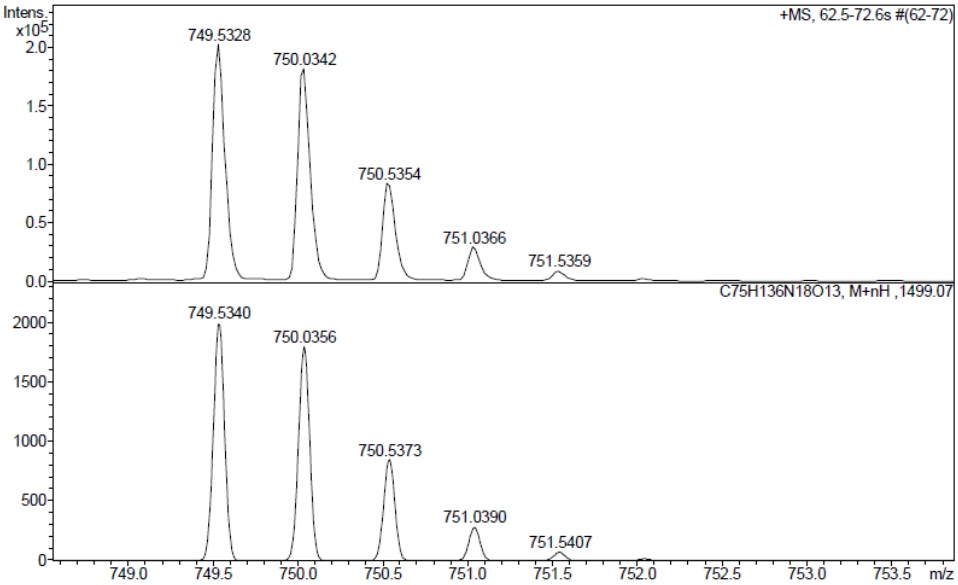
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,73	652,224	47,088	100,00
Total:		652,224	47,088	100,00

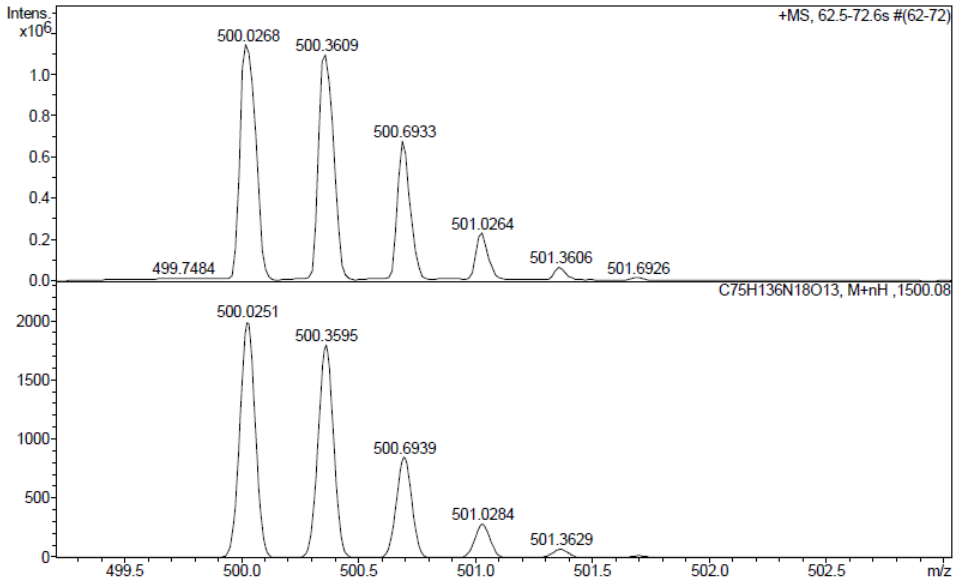
ESI-MS (*m/z*)

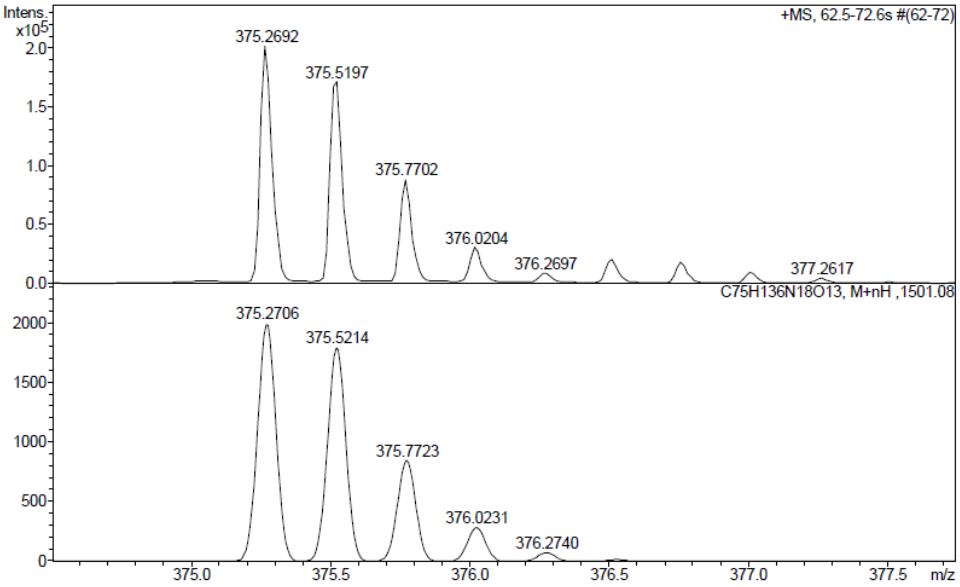


HRMS (*m/z*)

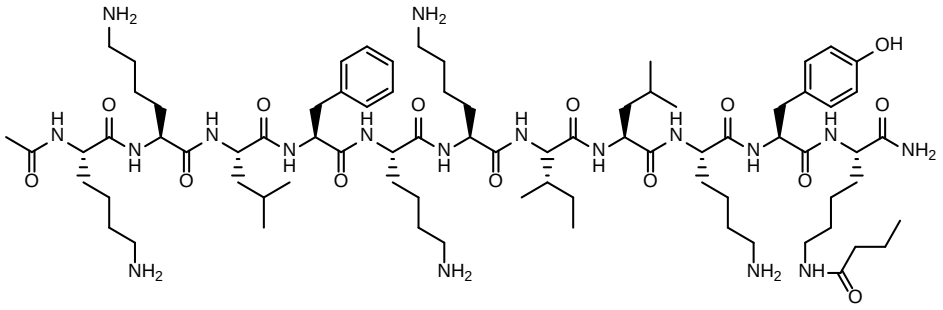

Intens.
x10^6
+MS, 62.5-72.6s #(62-72)
500.0268
375.2692
749.5328
129.1042
m/z


Intens.
x10^5
+MS, 62.5-72.6s #(62-72)
749.5328
750.0342
750.5354
751.0366
751.5359
C75H136N18O13, M+nH ,1499.07
749.5340
750.0356
750.5373
751.0390
751.5407
m/z

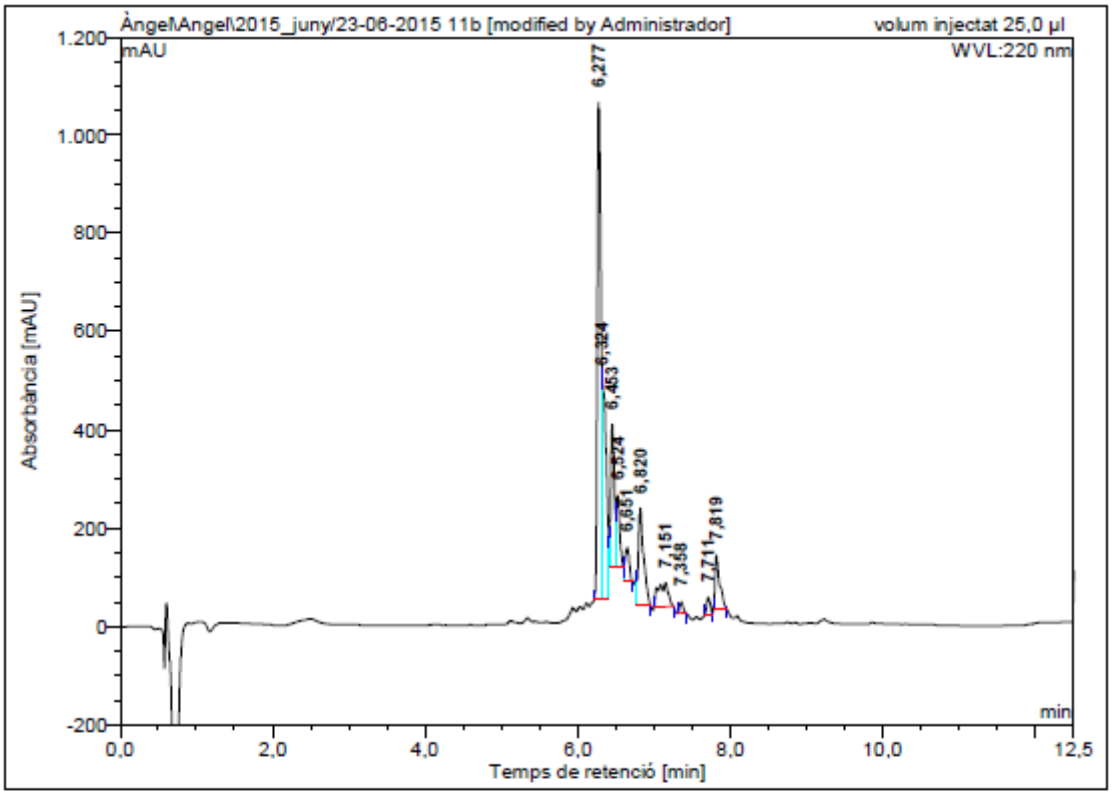

Intens.
x10^6
+MS, 62.5-72.6s #(62-72)
500.0268
500.3609
500.6933
501.0264
501.3606
501.6926
499.7484
C75H136N18O13, M+nH ,1500.08
500.0251
500.3595
500.6939
501.0284
501.3629
m/z


Intens.
x10^5
2.0
1.5
1.0
0.5
0.0
+MS, 62.5-72.6s #(62-72)
375.2692
375.5197
375.7702
376.0204
376.2697
377.2617
C75H136N18O13, M+nH ,1501.08
2000
1500
1000
500
0
375.2706
375.5214
375.7723
376.0231
376.2740
375.0
375.5
376.0
376.5
377.0
377.5
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys(COC_3H_7)-NH_2 (BP390)

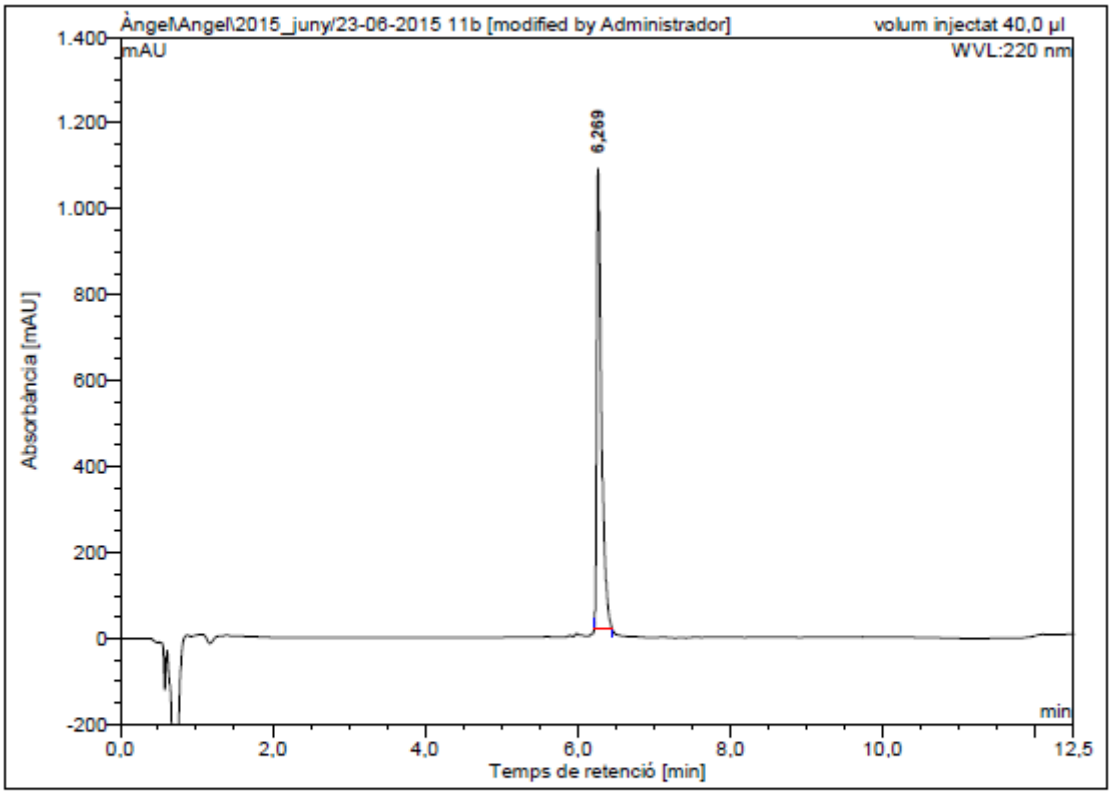


HPLC of crude peptide (λ=220 nm)



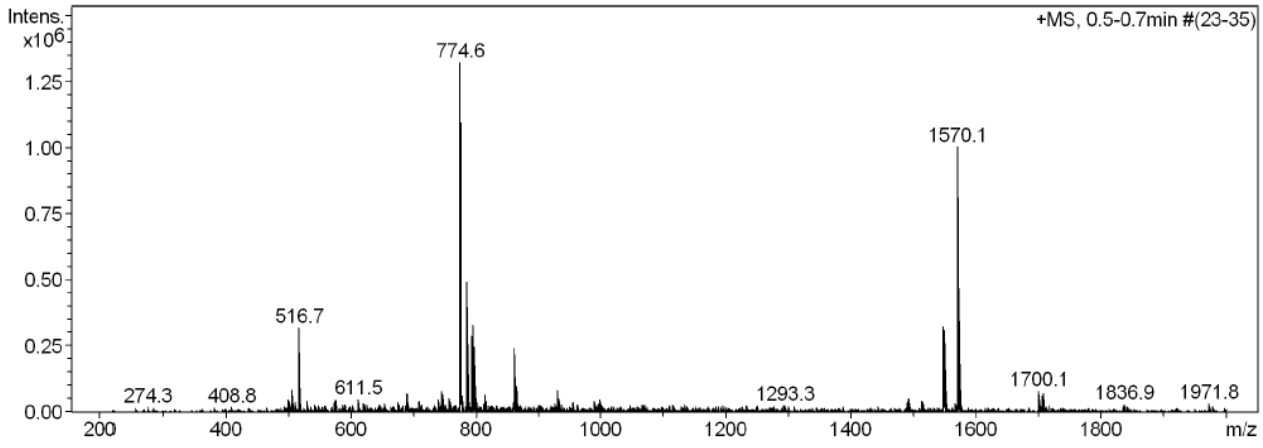
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,28	1011,506	57,532	39,69
2	6,32	444,995	26,334	18,17
3	6,45	290,645	16,081	11,09
4	6,52	146,149	7,347	5,07
5	6,65	67,035	4,255	2,94
6	6,82	195,858	15,276	10,54
7	7,15	48,894	7,528	5,19
8	7,36	21,532	1,052	0,73
9	7,71	34,648	1,810	1,25
10	7,82	110,083	7,753	5,35
Total:		2371,346	144,969	100,00

HPLC of purified peptide (λ=220 nm)

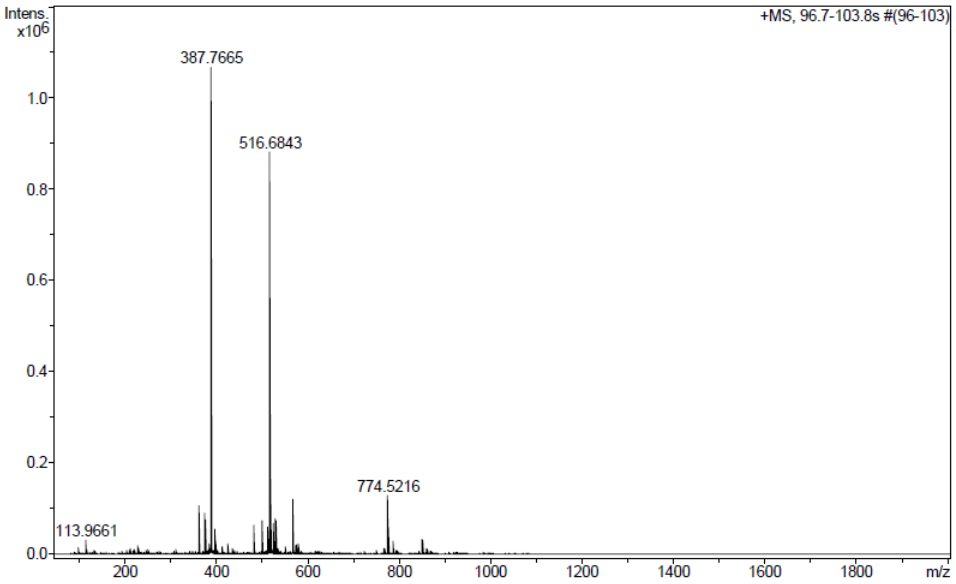


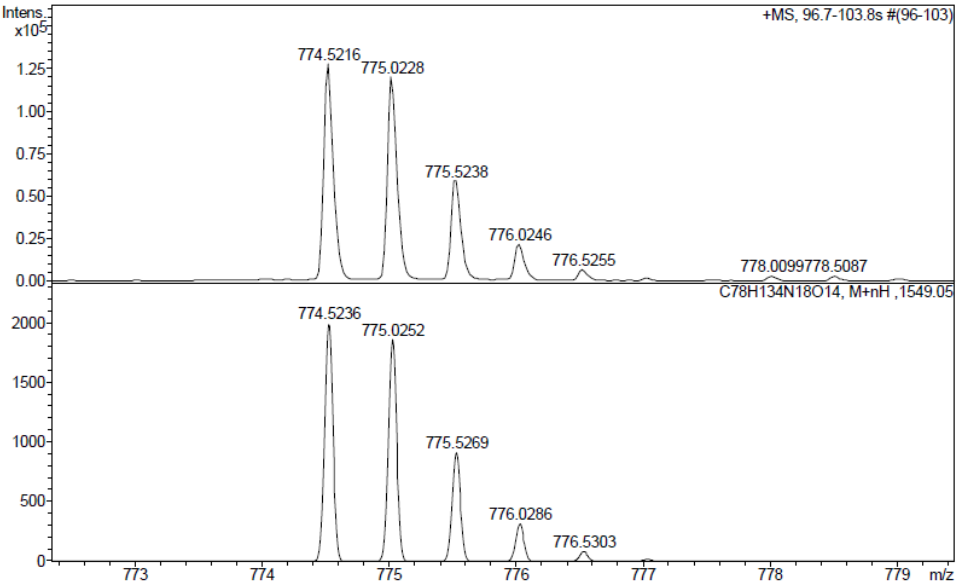
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,27	1068,134	76,691	100,00
Total:		1068,134	76,691	100,00

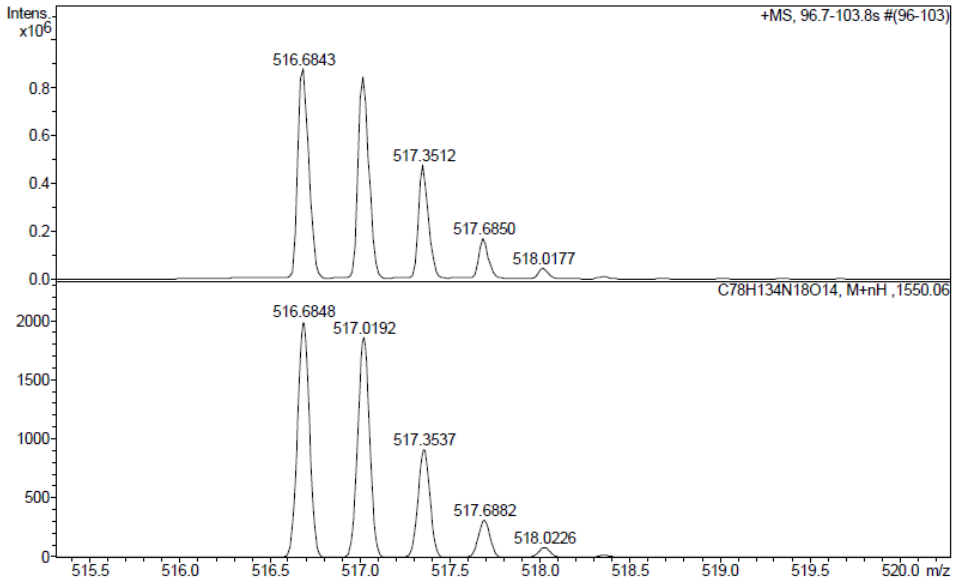
ESI-MS (*m/z*)

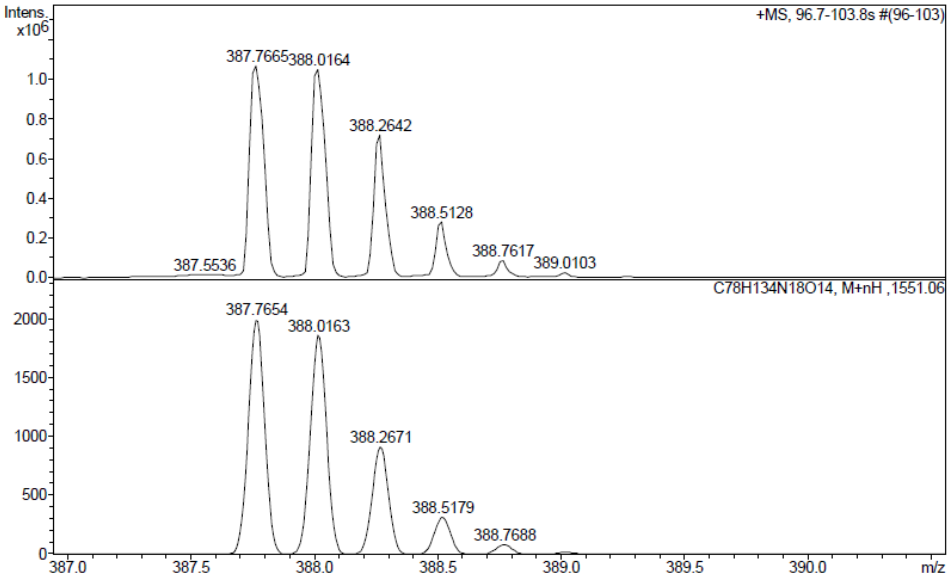


HRMS (*m/z*)

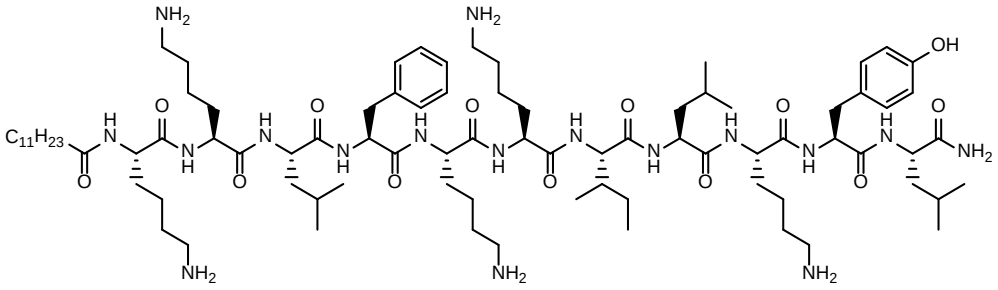

Intens.
x10^6
+MS, 96.7-103.8s #(96-103)
387.7665
516.6843
774.5216
113.9661
m/z


Intens.
x10^5
+MS, 96.7-103.8s #(96-103)
774.5216
775.0228
775.5238
776.0246
776.5255
778.0099778.5087
C78H134N18O14, M+nH ,1549.05
774.5236
775.0252
775.5269
776.0286
776.5303
m/z

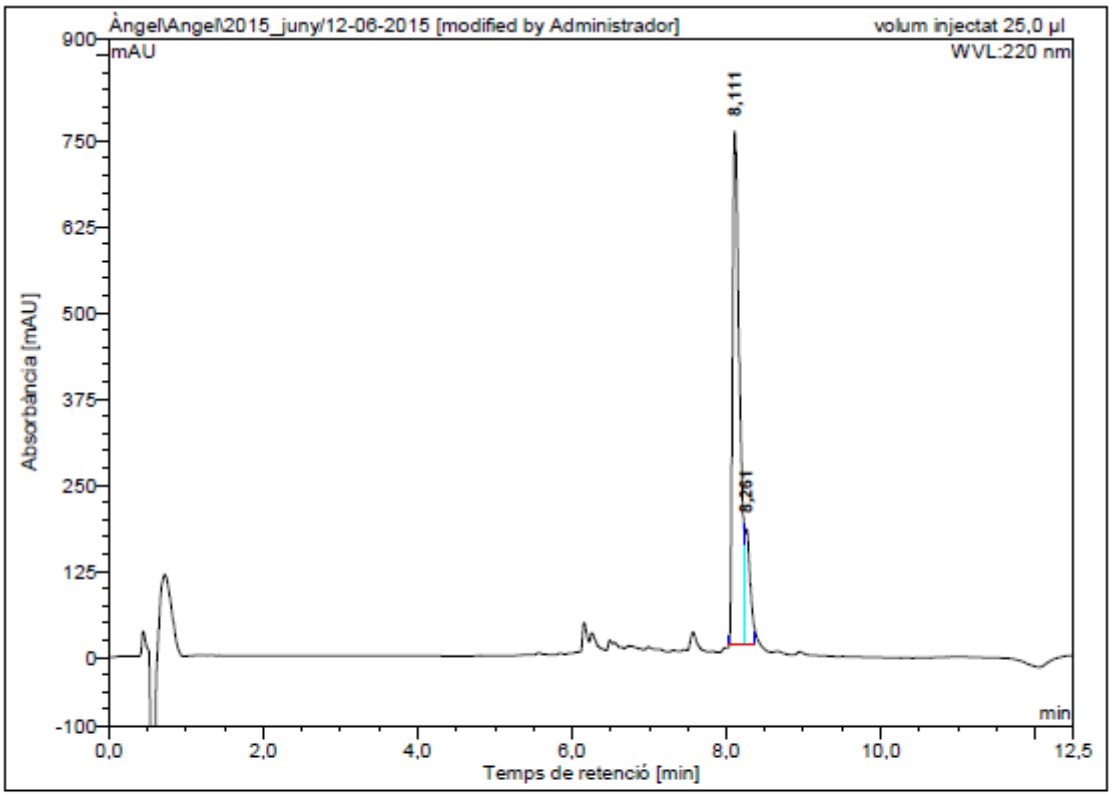

Intens.
x10^6
+MS, 96.7-103.8s #(96-103)
516.6843
517.3512
517.6850
518.0177
C78H134N18O14, M+nH ,1550.06
516.6848
517.0192
517.3537
517.6882
518.0226
m/z


Intens.
x10^6
+MS, 96.7-103.8s #(96-103)
387.7665
388.0164
388.2642
388.5128
388.7617
389.0103
387.5536
C78H134N18O14, M+nH ,1551.06
387.7654
388.0163
388.2671
388.5179
388.7688
m/z

$C_{11}H_{23}CO$-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP391)

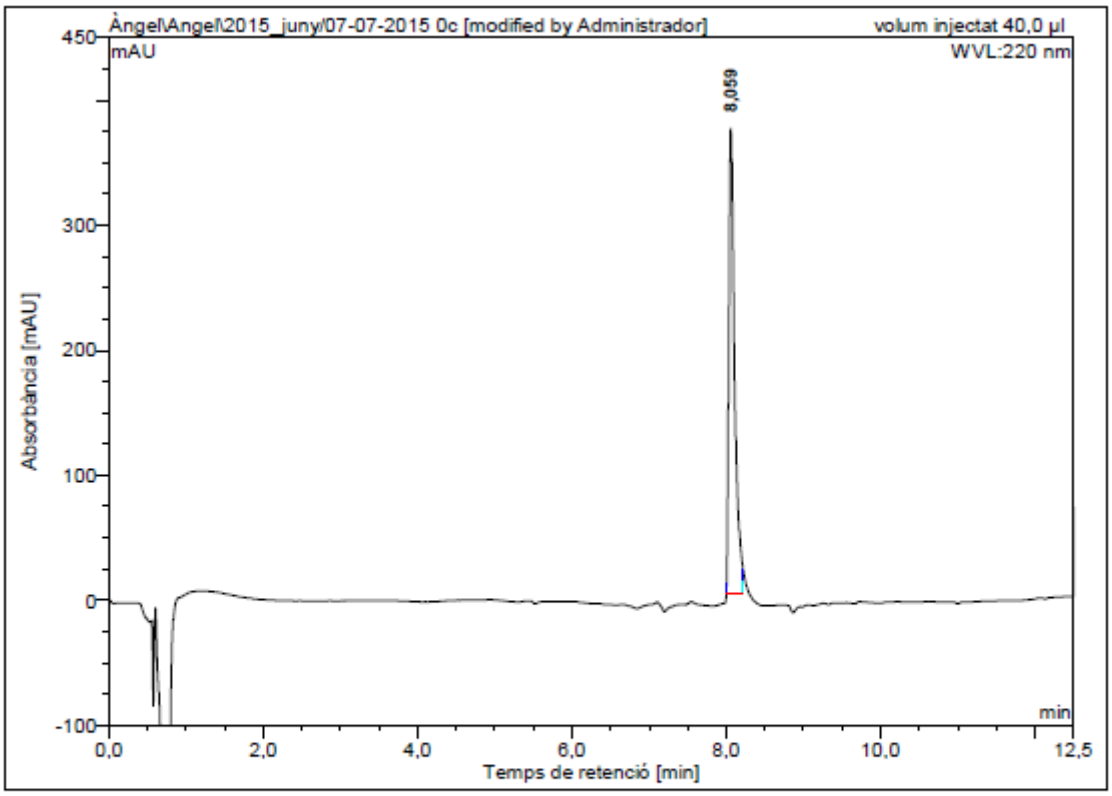


HPLC of crude peptide (λ=220 nm)



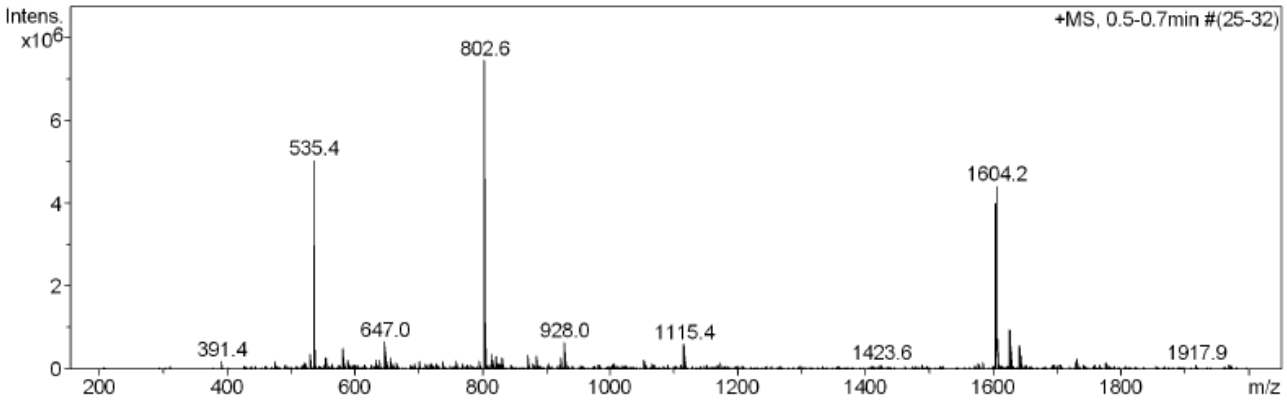
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	8,11	746,197	78,152	84,86
2	8,26	168,248	13,942	15,14
Total:		914,445	92,093	100,00

HPLC of purified peptide (λ=220 nm)

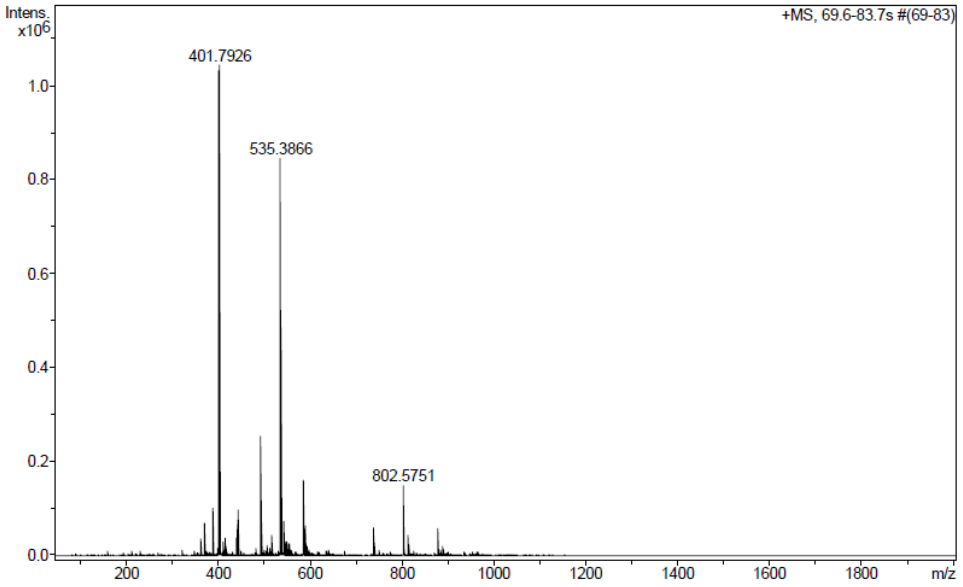


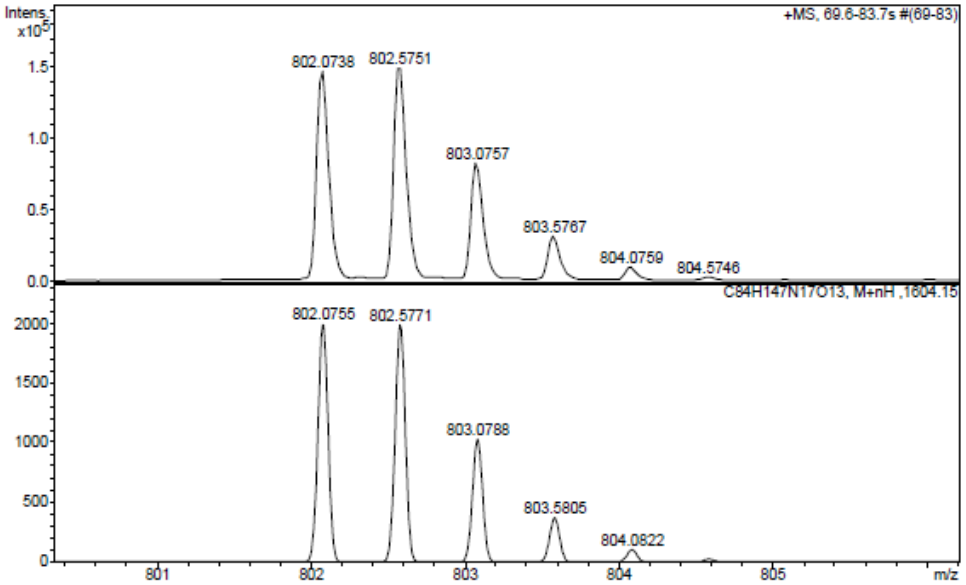
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	8,06	371,606	32,445	100,00
Total:		371,606	32,445	100,00

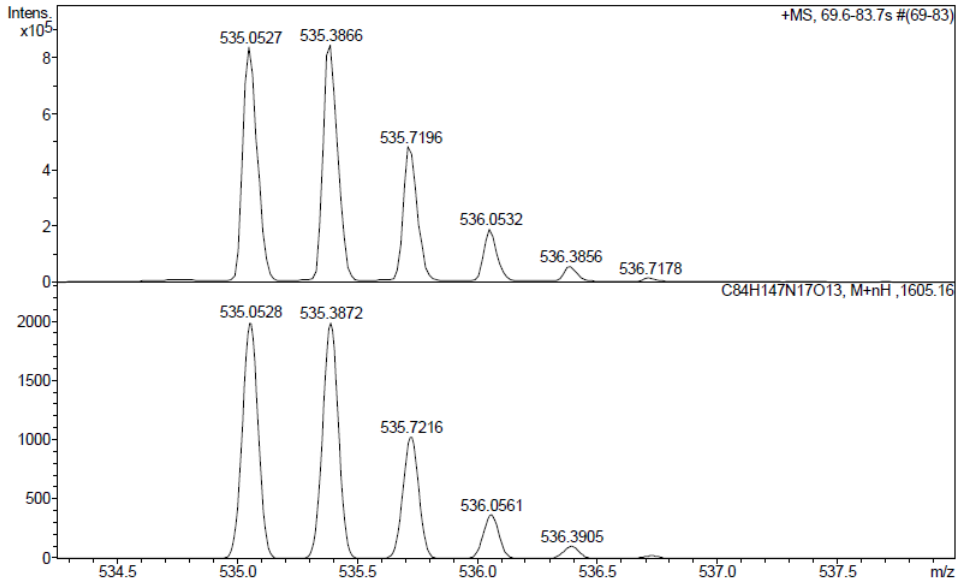
ESI-MS (*m/z*)

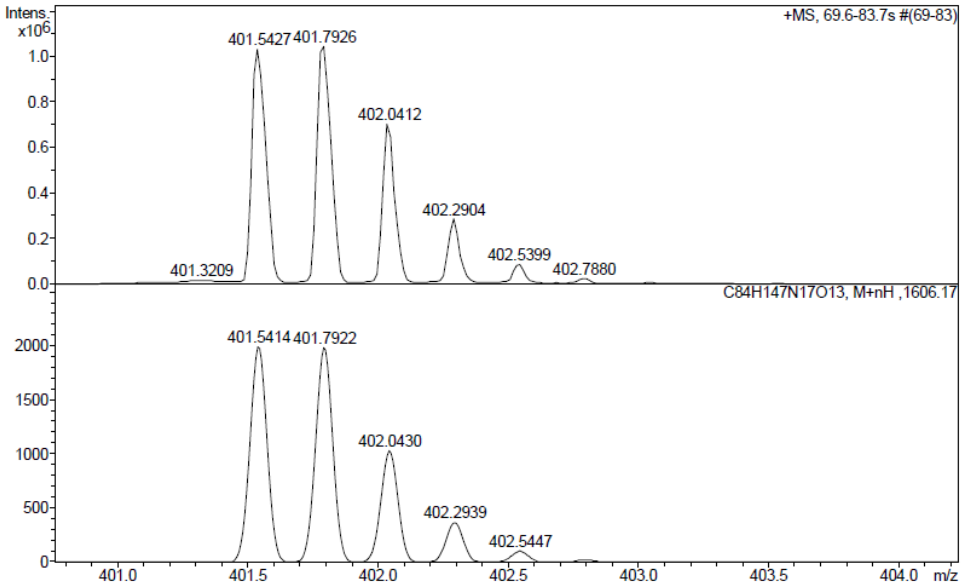


HRMS (*m/z*)

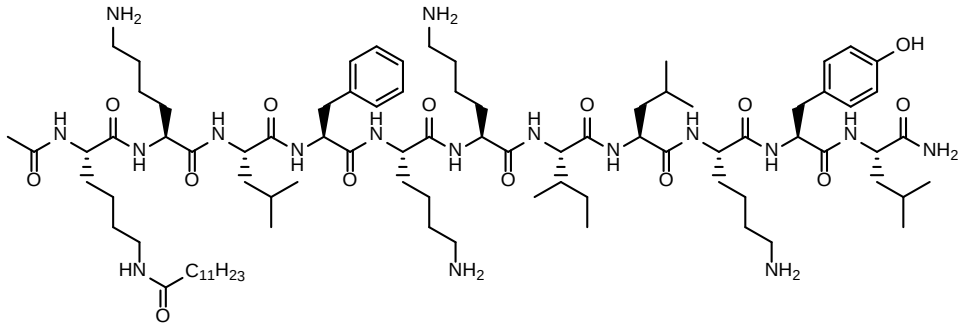

Intens.
x10^6
+MS, 69.6-83.7s #(69-83)
401.7926
535.3866
802.5751
m/z


Intens.
x10^5
+MS, 69.6-83.7s #(69-83)
802.0738
802.5751
803.0757
803.5767
804.0759
804.5746
C84H147N17O13, M+nH ,1604.15
802.0755
802.5771
803.0788
803.5805
804.0822
m/z

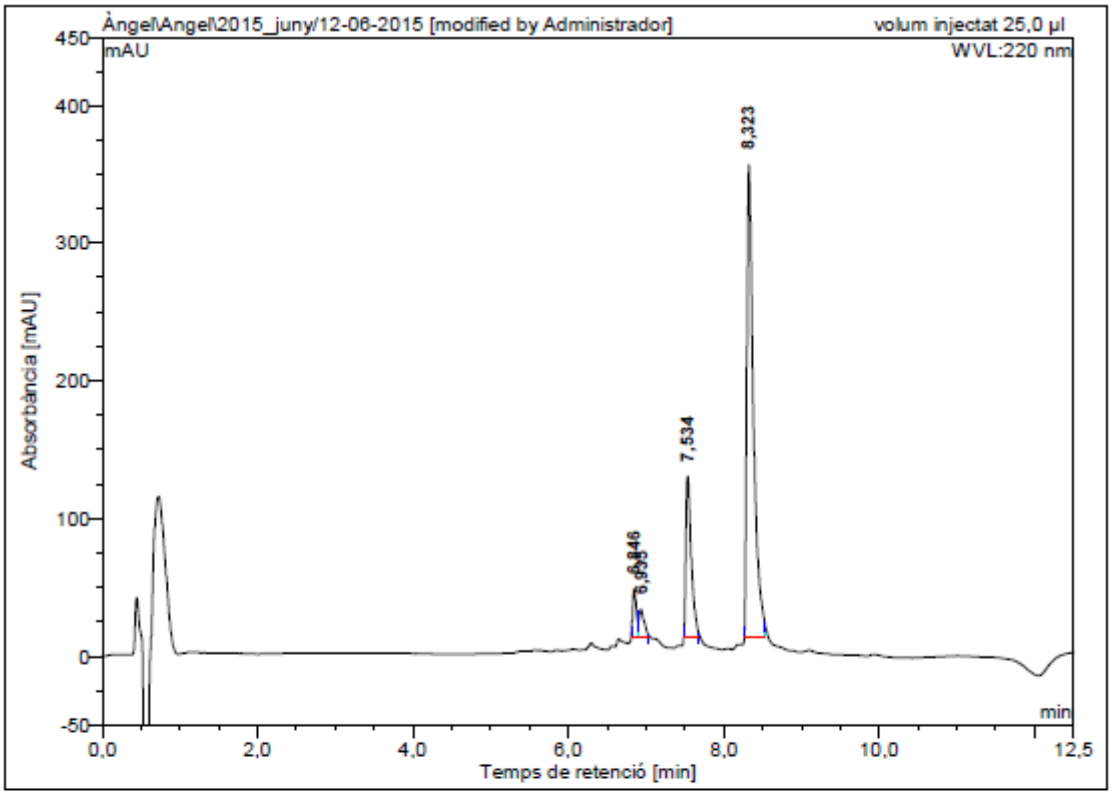

Intens.
x10^5
+MS, 69.6-83.7s #(69-83)
535.0527
535.3866
535.7196
536.0532
536.3856
536.7178
C84H147N17O13, M+nH ,1605.16
535.0528
535.3872
535.7216
536.0561
536.3905
m/z


Intens.
x10^6
+MS, 69.6-83.7s #(69-83)
401.5427
401.7926
402.0412
402.2904
402.5399
402.7880
401.3209
C84H147N17O13, M+nH ,1606.17
401.5414
401.7922
402.0430
402.2939
402.5447
401.0
401.5
402.0
402.5
403.0
403.5
404.0
m/z

Ac-Lys($COC_{11}H_{23}$)-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP392)

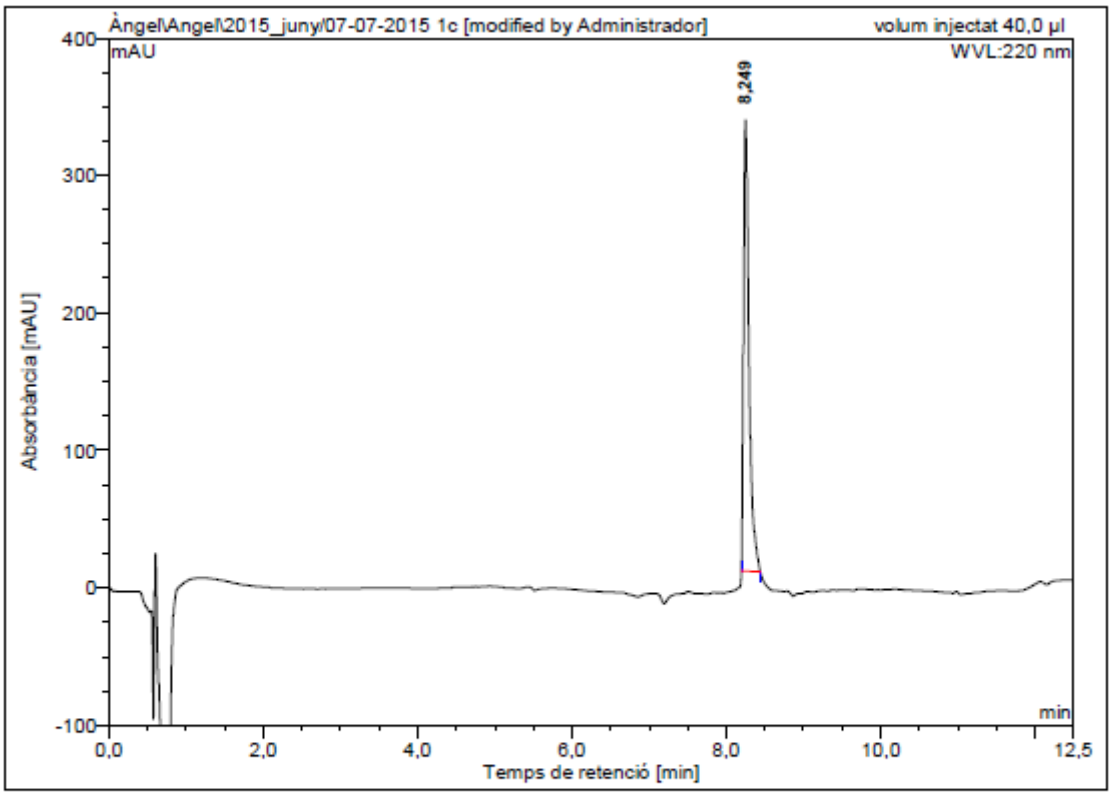


HPLC of crude peptide (λ=220 nm)



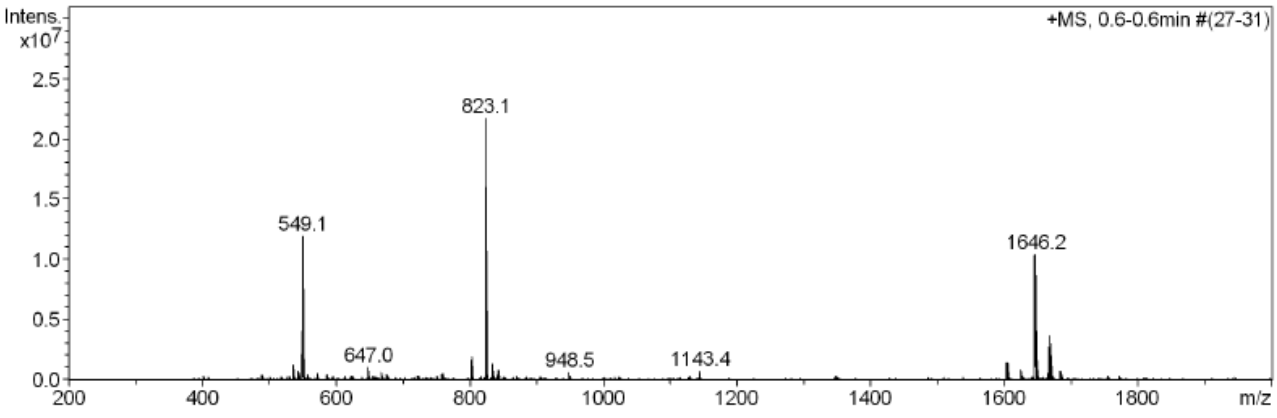
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,85	34,448	1,872	4,00
2	6,94	19,777	1,534	3,28
3	7,53	116,711	9,544	20,39
4	8,32	343,030	33,847	72,33
Total:		513,966	46,798	100,00

HPLC of purified peptide (λ=220 nm)

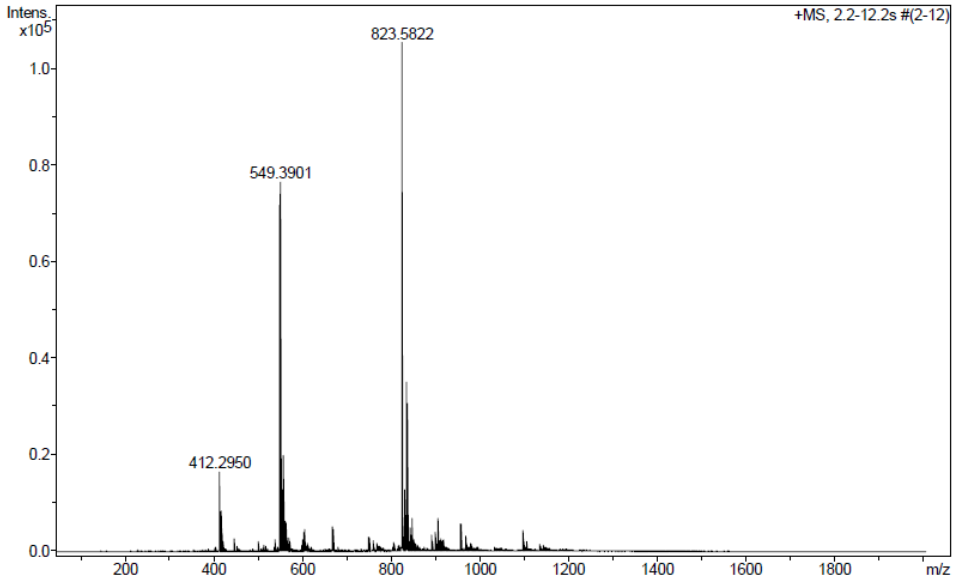


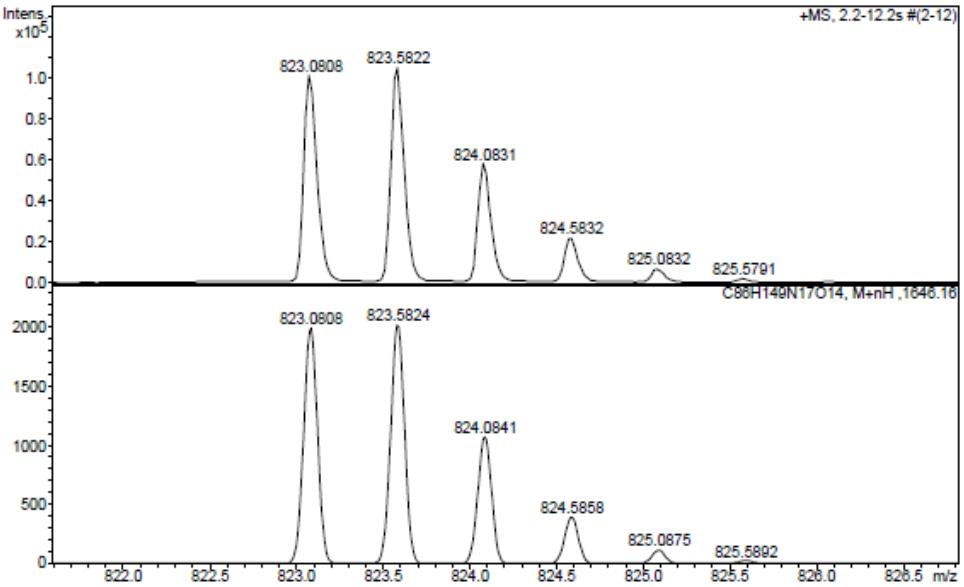
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	8,25	327,932	26,627	100,00
Total:		327,932	26,627	100,00

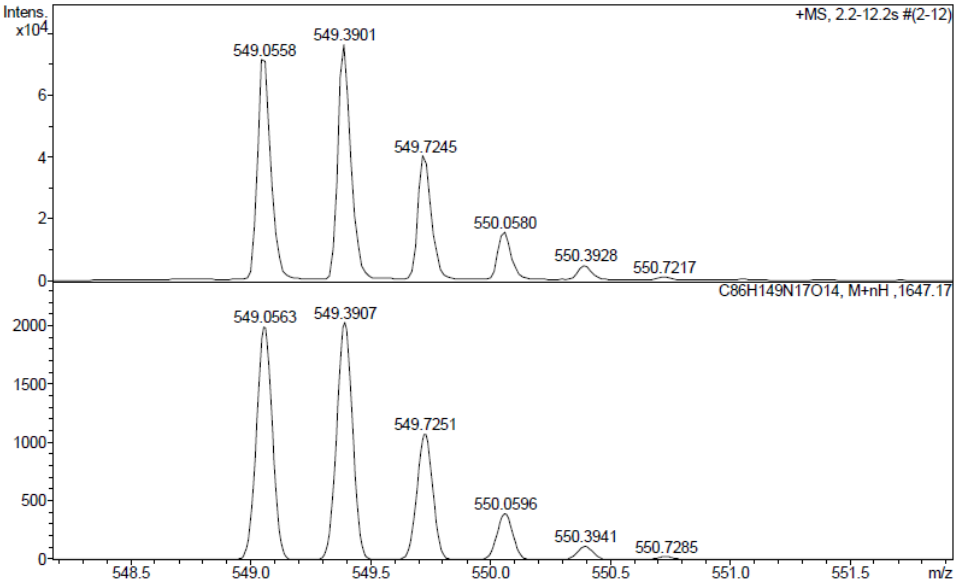
ESI-MS (*m/z*)

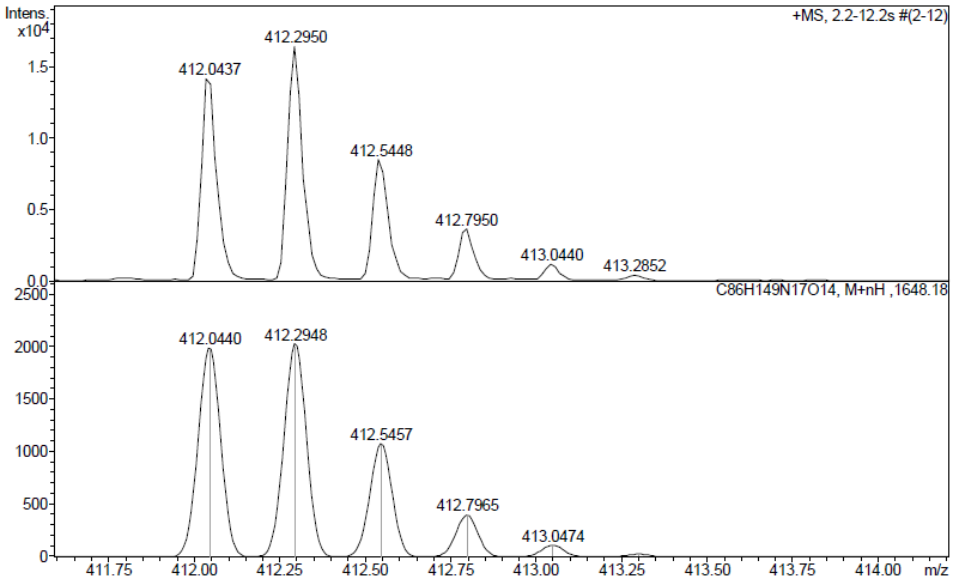


HRMS (*m/z*)

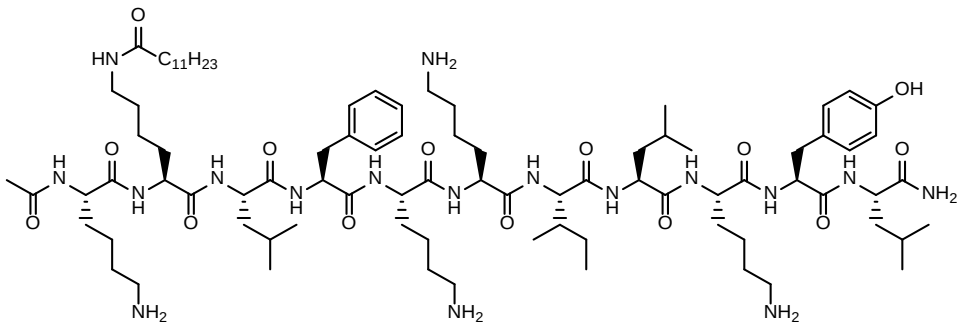

Intens.
x10^5
+MS, 2.2-12.2s #(2-12)
823.5822
549.3901
412.2950
m/z


Intens.
x10^5
+MS, 2.2-12.2s #(2-12)
823.0808
823.5822
824.0831
824.5832
825.0832
825.5791
C86H149N17O14, M+nH ,1648.16
823.0808
823.5824
824.0841
824.5858
825.0875
825.5892
m/z

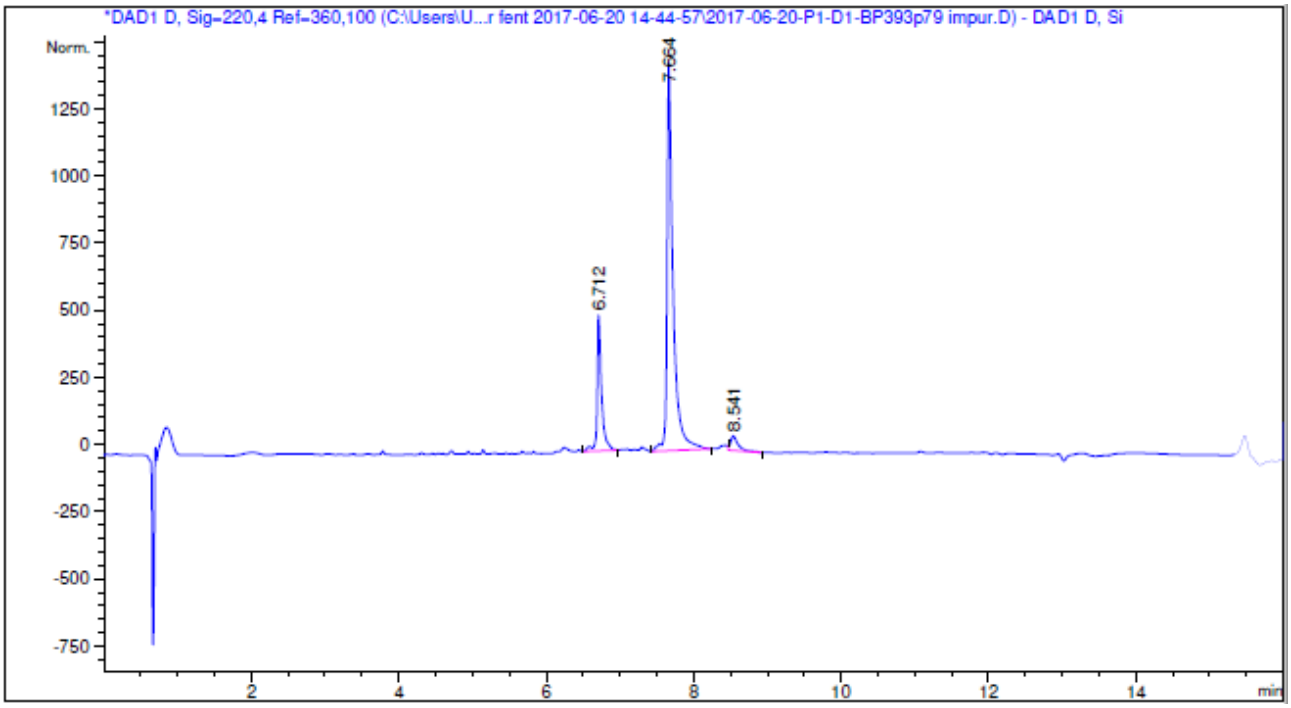

Intens.
x10^4
+MS, 2.2-12.2s #(2-12)
549.0558
549.3901
549.7245
550.0580
550.3928
550.7217
C86H149N17O14, M+nH ,1647.17
549.0563
549.3907
549.7251
550.0596
550.3941
550.7285
m/z


Intens.
x10^4
+MS, 2.2-12.2s #(2-12)
412.2950
412.0437
412.5448
412.7950
413.0440
413.2852
C86H149N17O14, M+nH ,1648.18
412.0440
412.2948
412.5457
412.7965
413.0474
m/z

Ac-Lys-Lys($COC_{11}H_{23}$)-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP393)

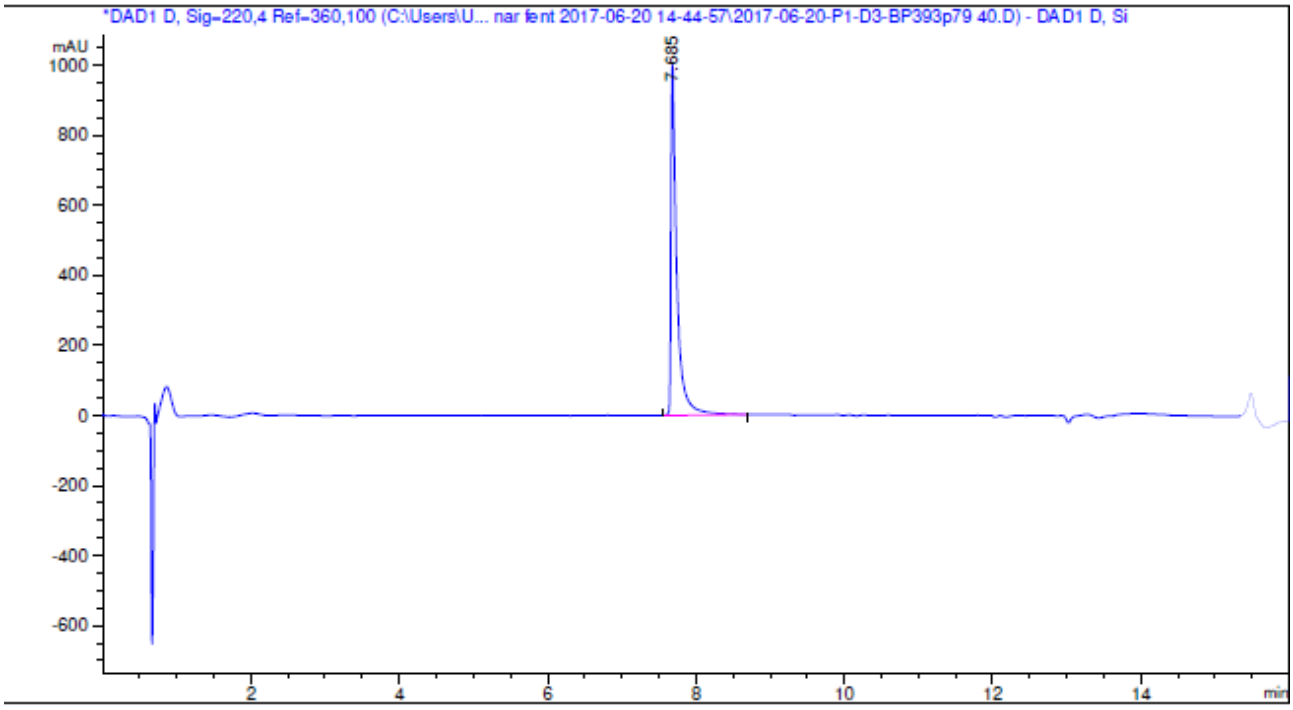


HPLC of crude peptide (λ=220 nm)



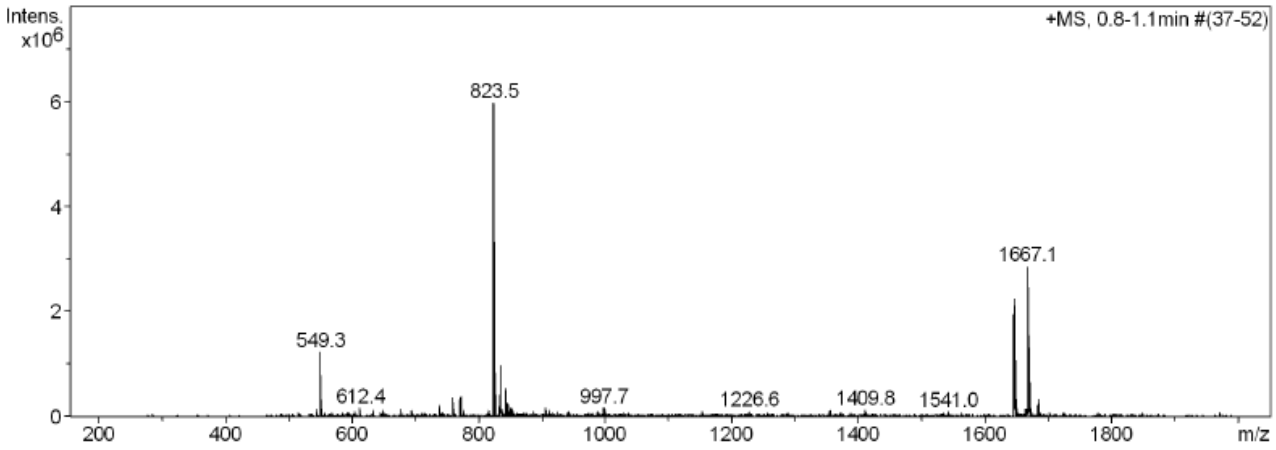
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.712	VV R	0.0591	1917.23145	455.58569	19.8588
2	7.664	VB R	0.0773	7394.40186	1301.64868	76.5917
3	8.541	VB	0.0989	342.67871	48.83156	3.5495
Totals :				9654.31201	1806.06593	

HPLC of purified peptide (λ=220 nm)

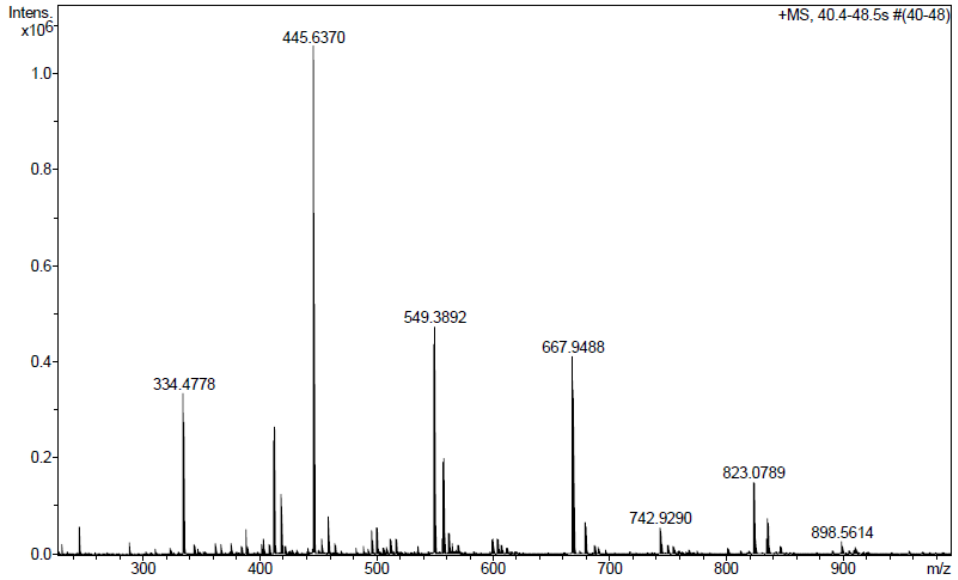


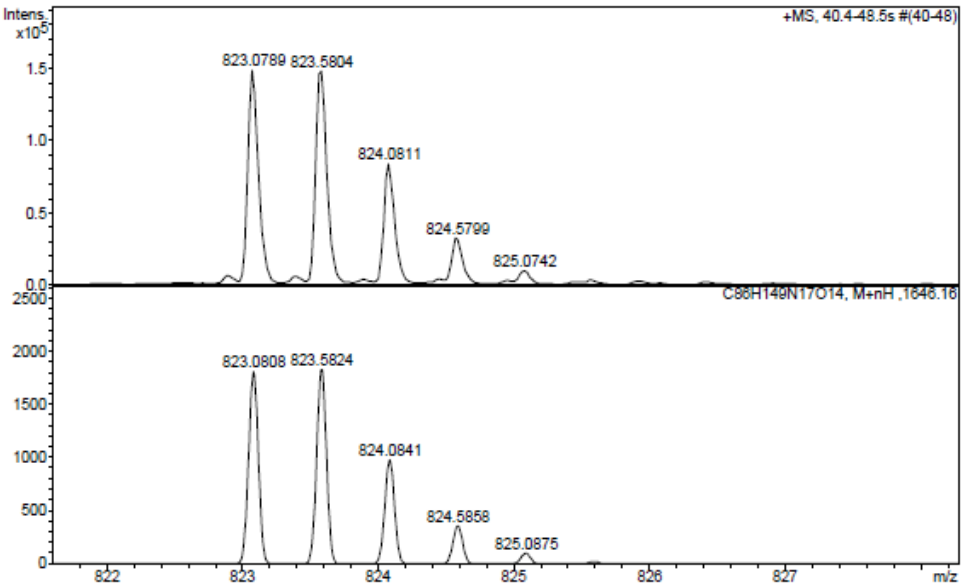
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	7.685	BV R	0.0748	5476.25000	1001.53162	100.0000
Totals :				5476.25000	1001.53162	

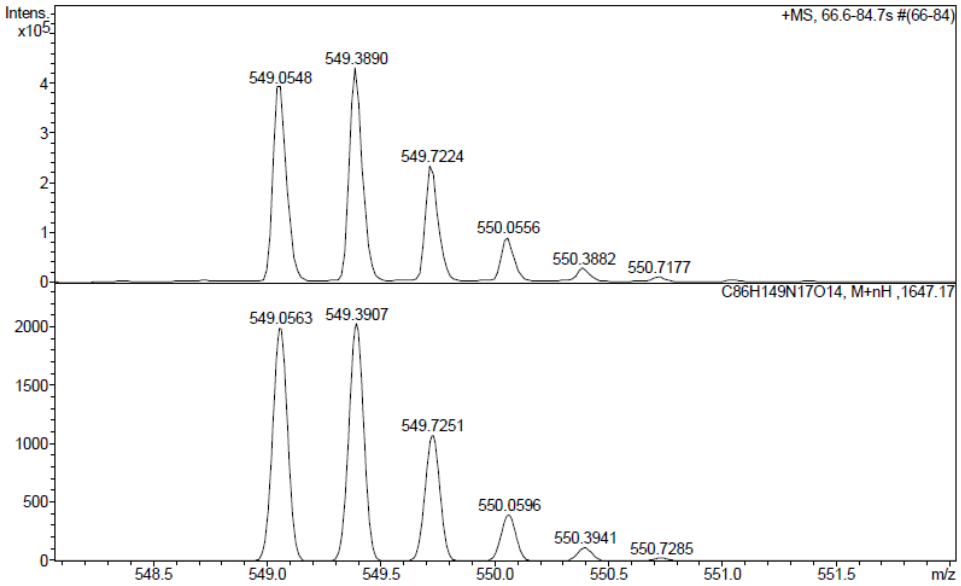
ESI-MS (*m/z*)



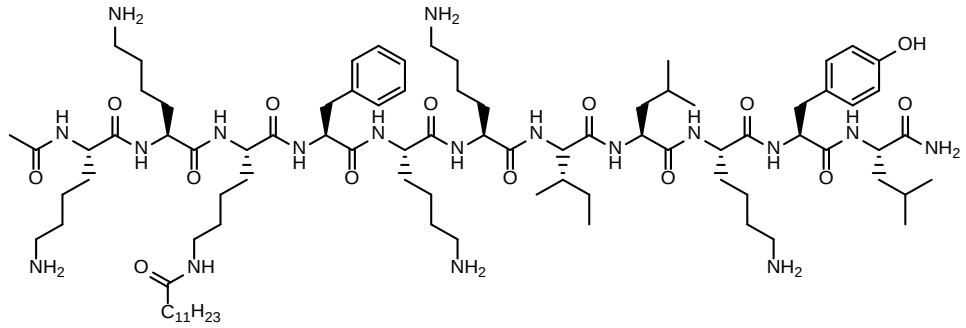
HRMS (*m/z*)


+MS, 40.4-48.5s #(40-48)
Intens.
x10^6
445.6370
549.3892
667.9488
334.4778
823.0789
742.9290
898.5614
m/z

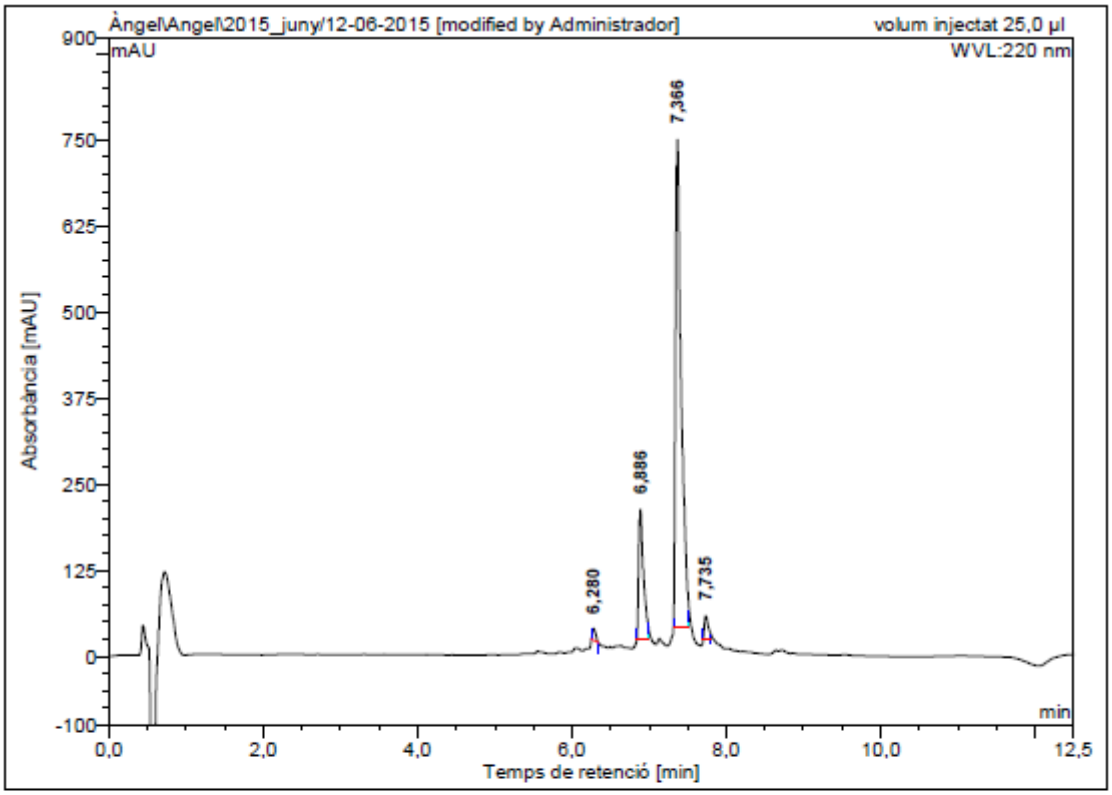

+MS, 40.4-48.5s #(40-48)
Intens.
x10^5
823.0789
823.5804
824.0811
824.5799
825.0742
C86H149N17O14, M+nH ,1648.16
823.0808
823.5824
824.0841
824.5858
825.0875
m/z


+MS, 66.6-84.7s #(66-84)
Intens.
x10^5
549.0548
549.3890
549.7224
550.0556
550.3882
550.7177
C86H149N17O14, M+nH ,1647.17
549.0563
549.3907
549.7251
550.0596
550.3941
550.7285
m/z

Ac-Lys-Lys-Lys($COC_{11}H_{23}$)-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP394)

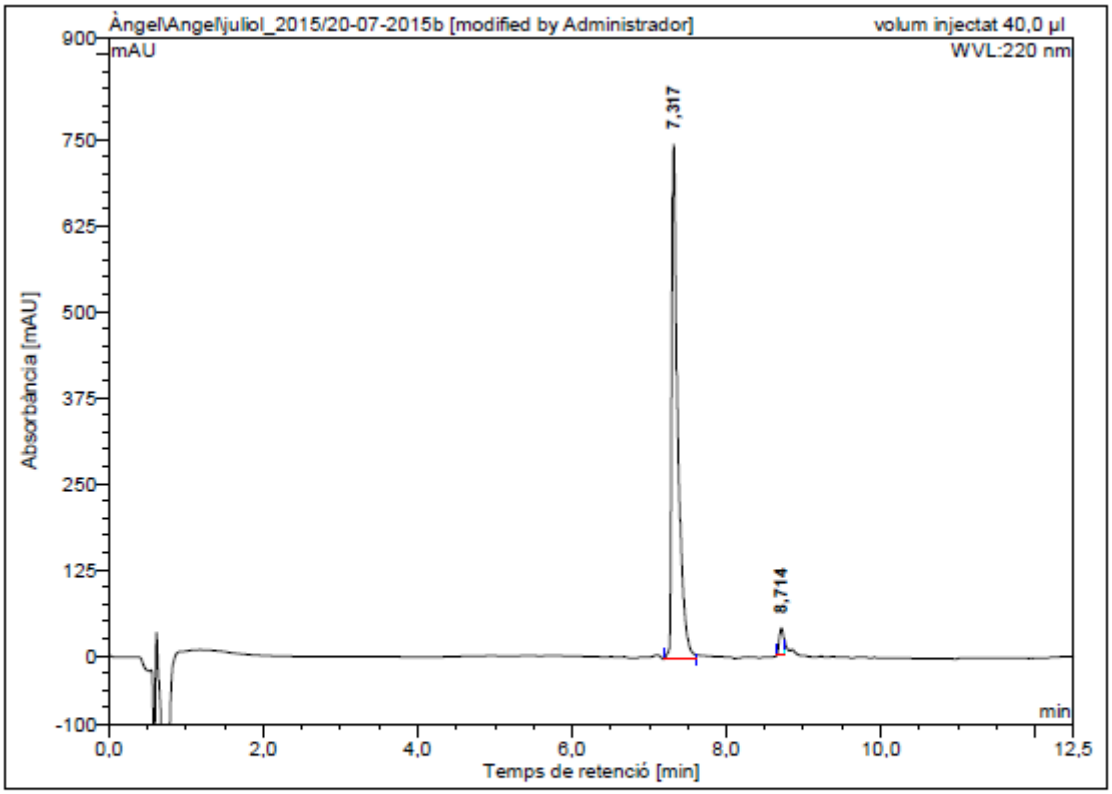


HPLC of crude peptide (λ=220 nm)



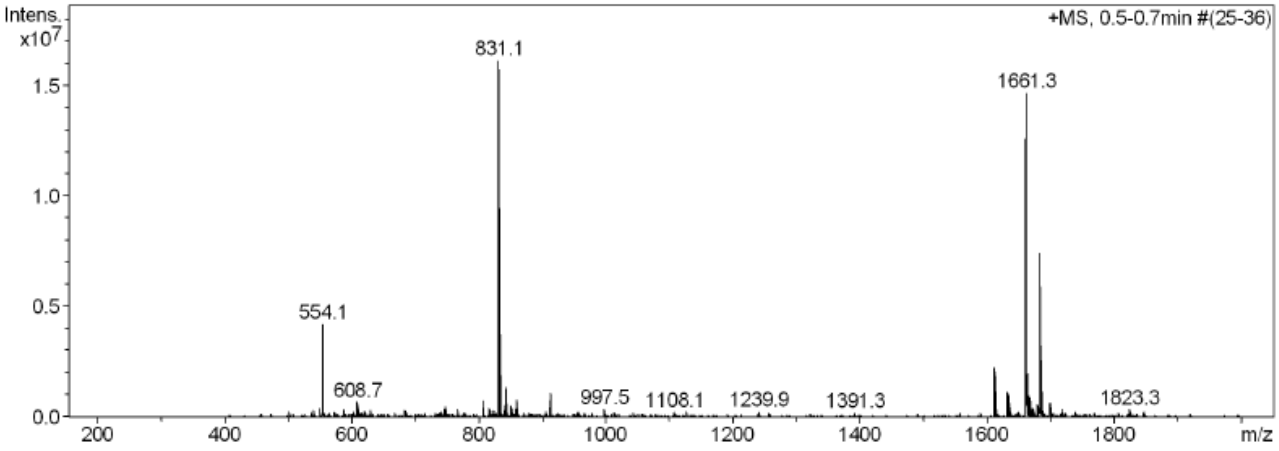
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,28	16,698	0,824	1,06
2	6,89	188,087	13,325	17,19
3	7,37	709,203	61,388	79,19
4	7,73	33,524	1,979	2,55
Total:		947,512	77,516	100,00

HPLC of purified peptide (λ=220 nm)

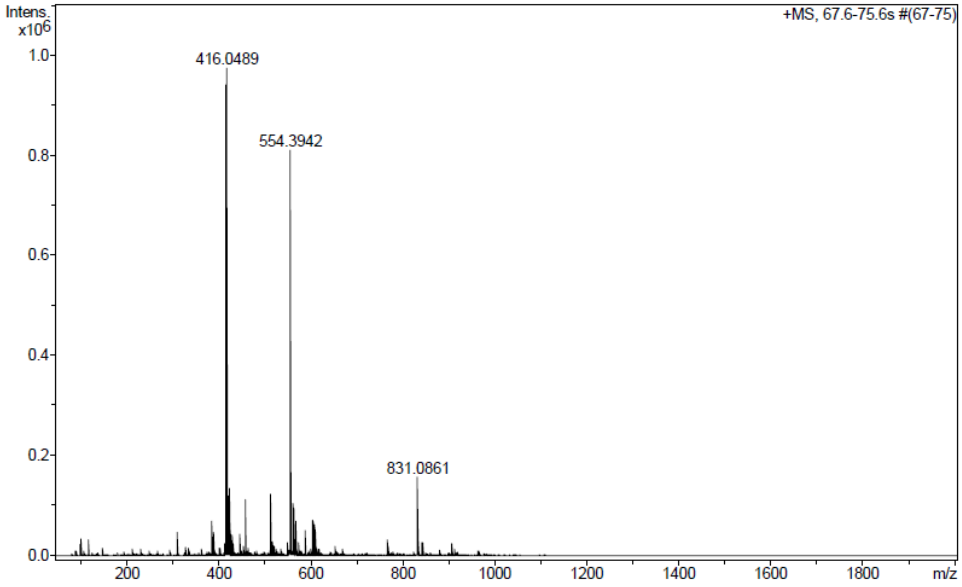


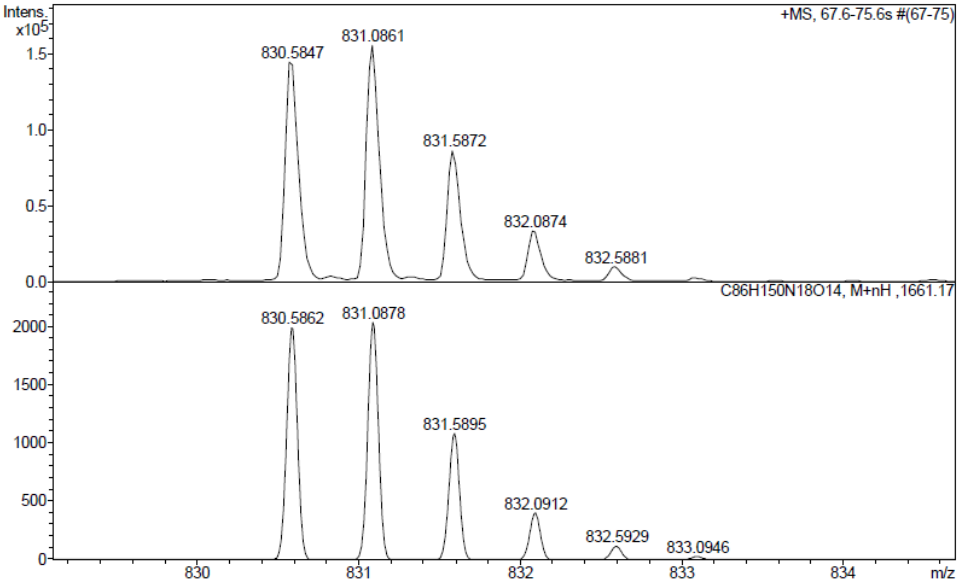
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,32	748,607	69,484	96,84
2	8,71	37,432	2,269	3,16
Total:		786,039	71,753	100,00

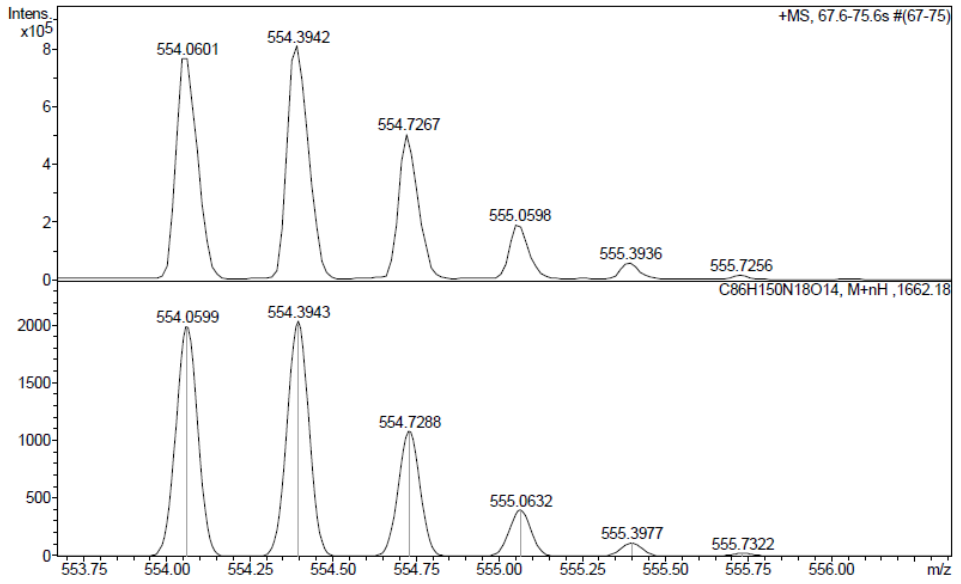
ESI-MS (*m/z*)

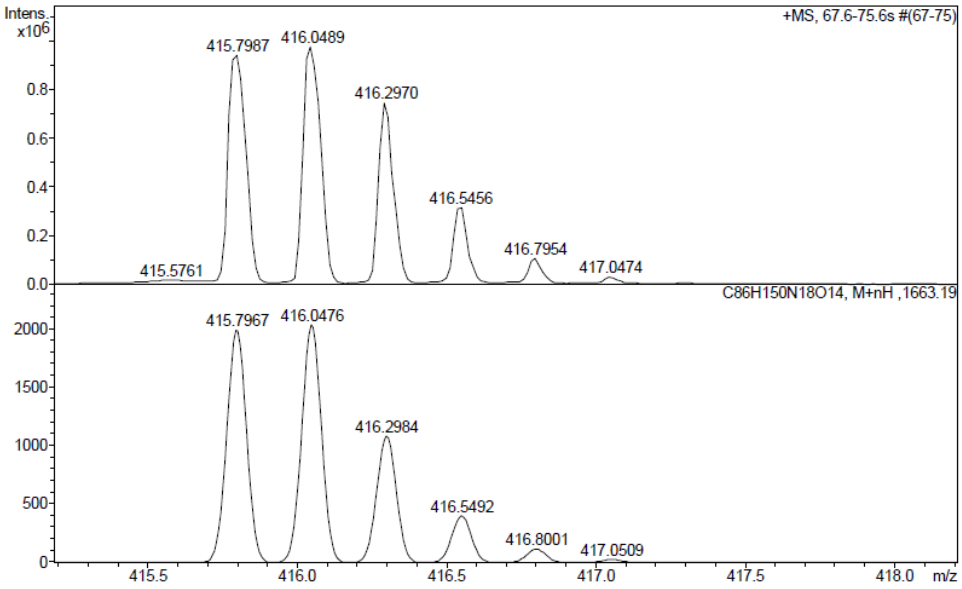


HRMS (*m/z*)

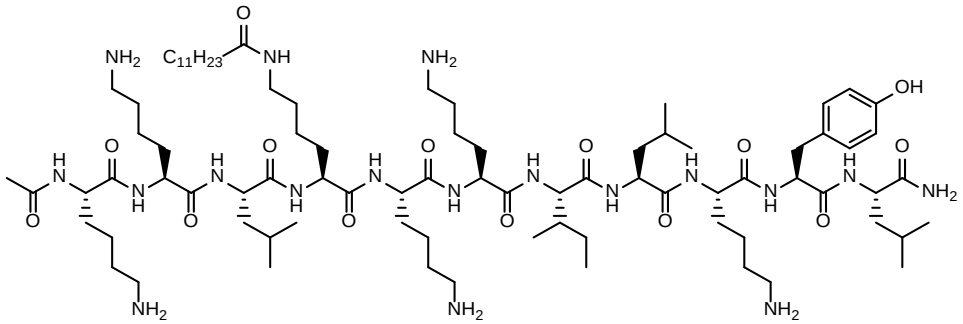

Intens.
x10^6
+MS, 67.6-75.6s #(67-75)
416.0489
554.3942
831.0861
m/z


Intens.
x10^5
+MS, 67.6-75.6s #(67-75)
830.5847
831.0861
831.5872
832.0874
832.5881
C86H150N18O14, M+nH ,1661.17
830.5862
831.0878
831.5895
832.0912
832.5929
833.0946
m/z

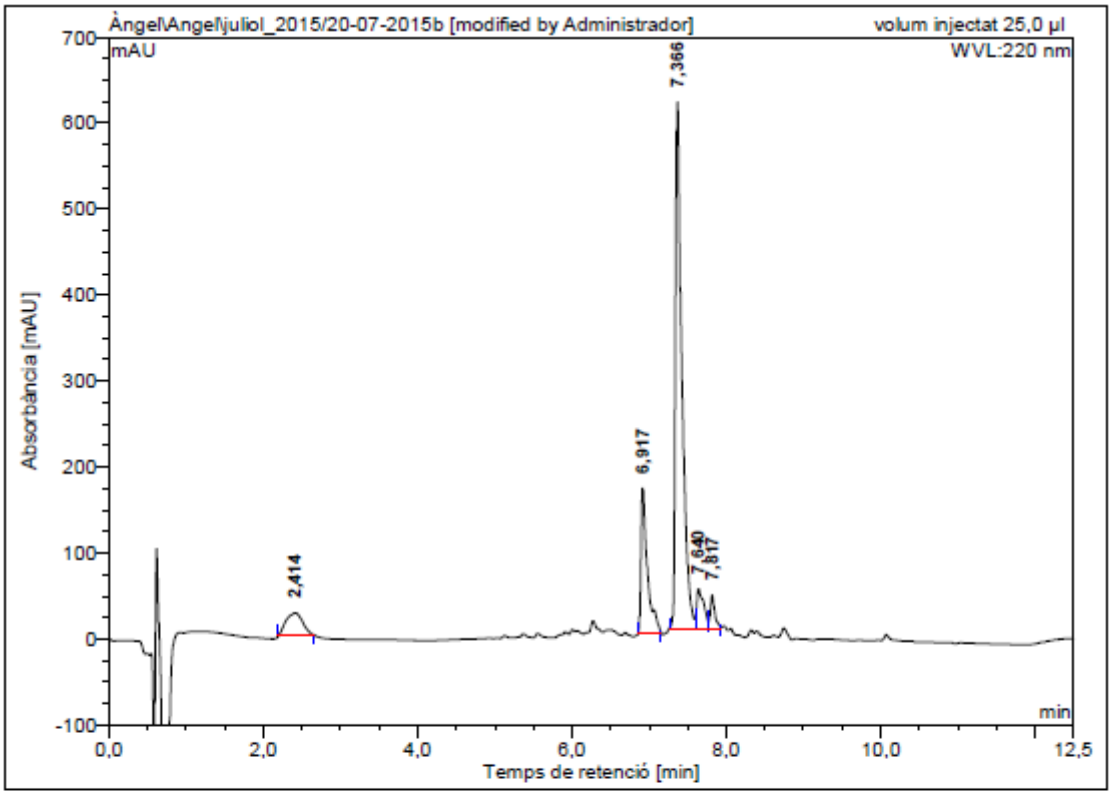

Intens.
x10^5
+MS, 67.6-75.6s #(67-75)
554.0601
554.3942
554.7267
555.0598
555.3936
555.7256
C86H150N18O14, M+nH ,1662.18
554.0599
554.3943
554.7288
555.0632
555.3977
555.7322
m/z


Intens.
x10^6
+MS, 67.6-75.6s #(67-75)
415.7987
416.0489
416.2970
416.5456
416.7954
417.0474
415.5761
C86H150N18O14, M+nH ,1663.19
415.7967
416.0476
416.2984
416.5492
416.8001
417.0509
m/z

Ac-Lys-Lys-Leu-Lys($COC_{11}H_{23}$)-Lys-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP395)

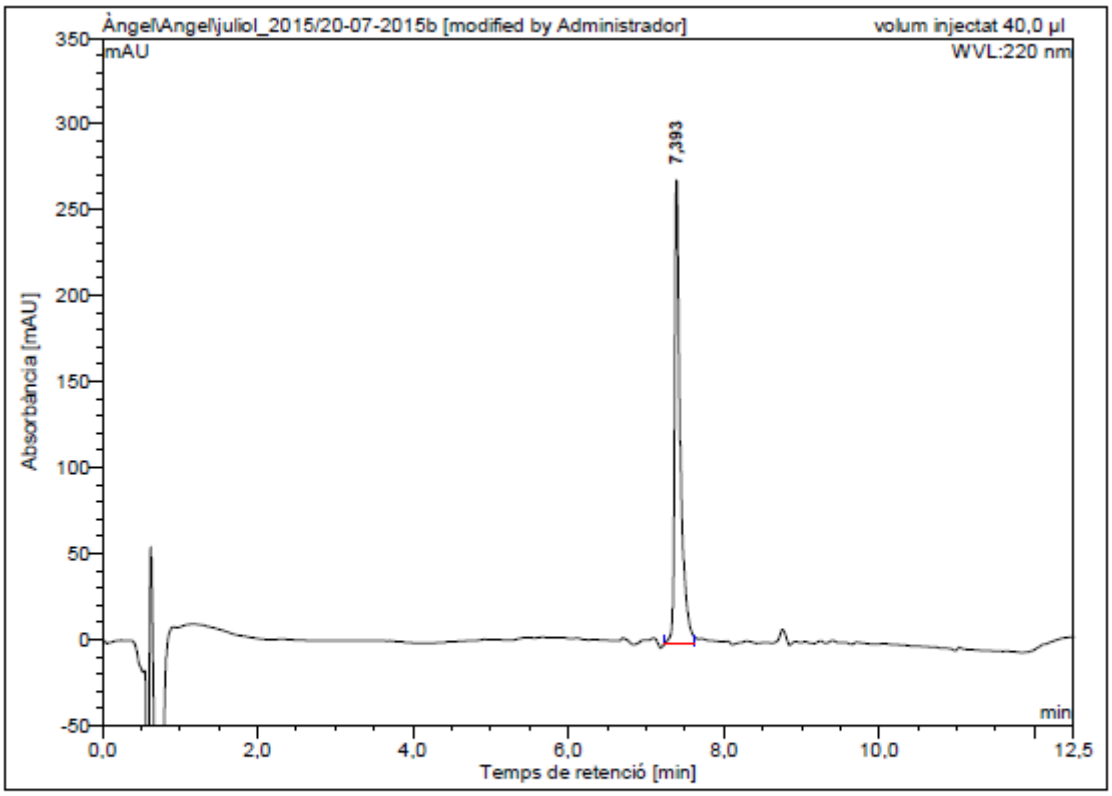


HPLC of crude peptide (λ=220 nm)



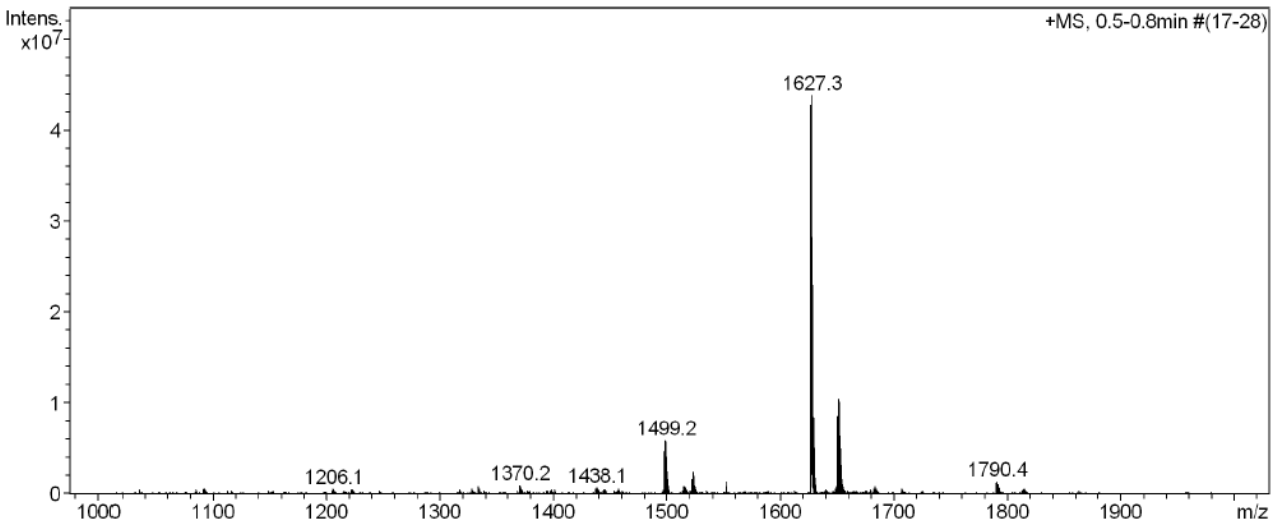
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	2,41	26,660	6,826	7,56
2	6,92	169,022	16,254	18,00
3	7,37	611,413	59,858	66,28
4	7,64	45,647	4,813	5,33
5	7,82	38,161	2,564	2,84
Total:		890,902	90,316	100,00

HPLC of purified peptide (λ=220 nm)

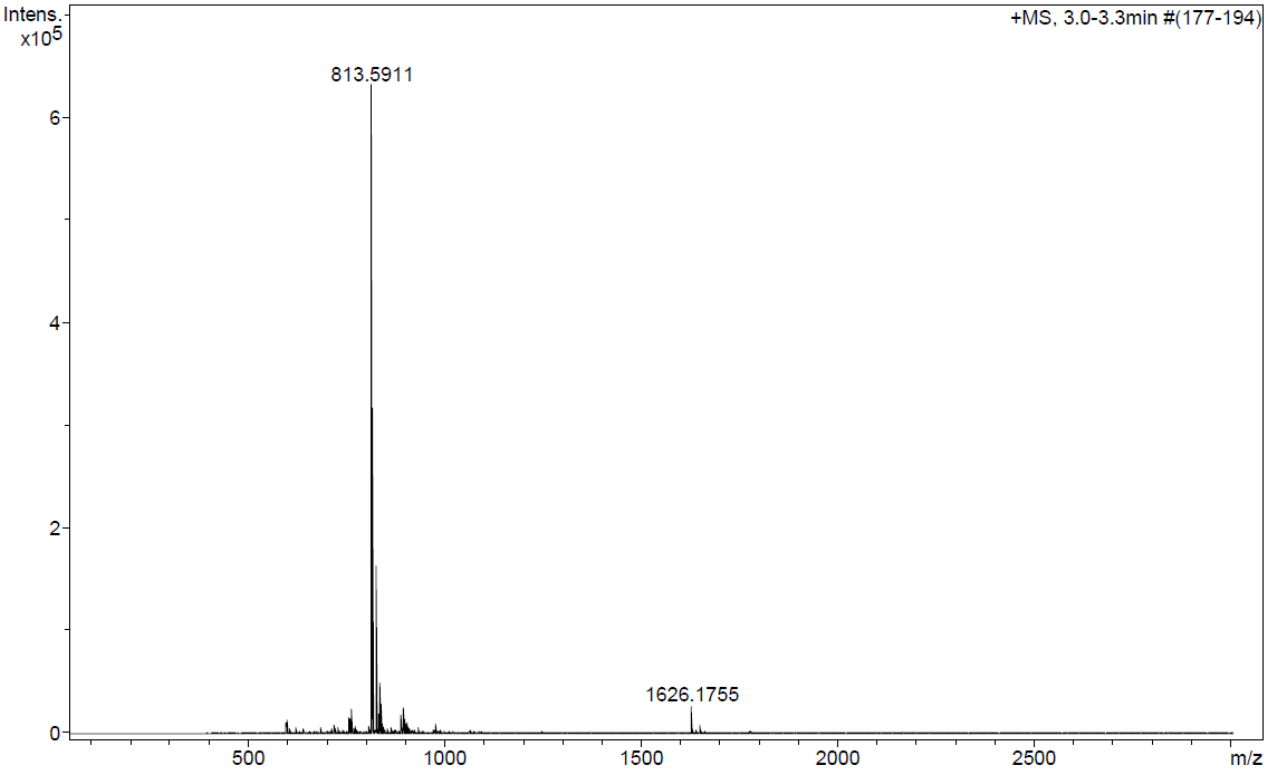


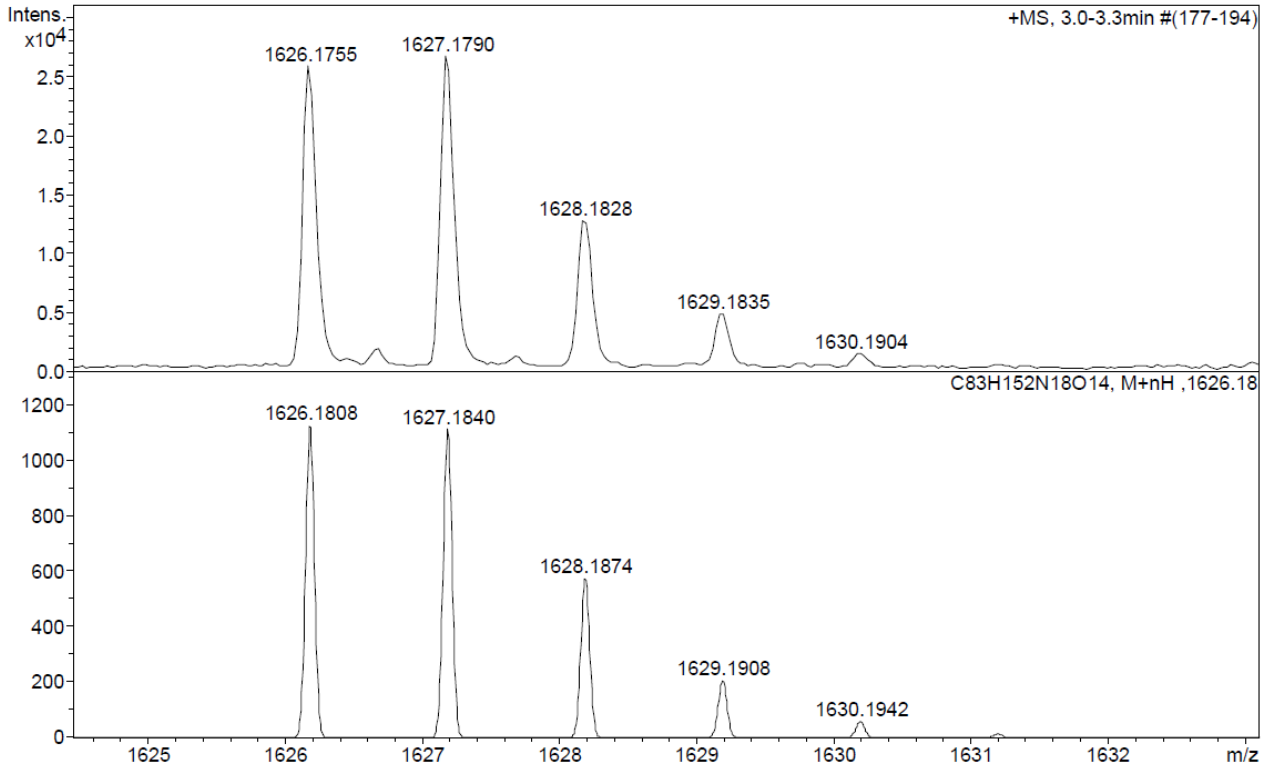
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,39	269,946	23,056	100,00
Total:		269,946	23,056	100,00

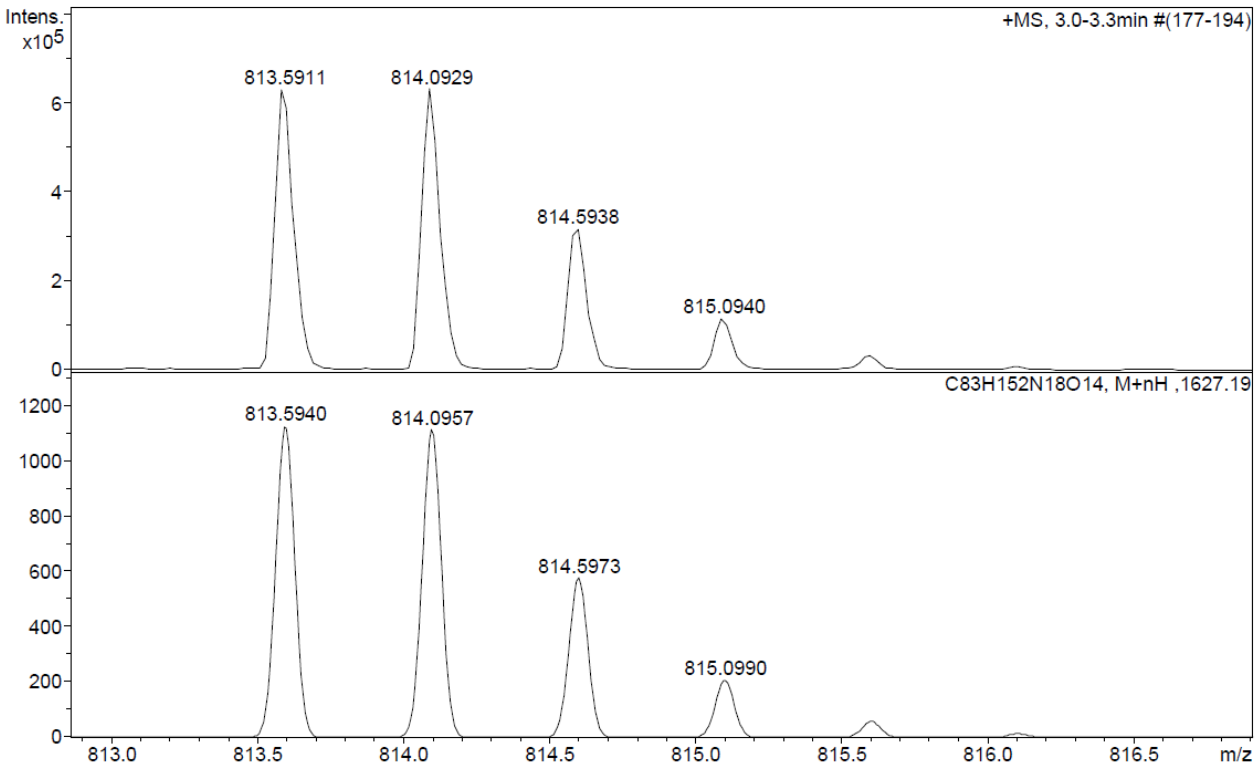
ESI-MS (*m/z*)



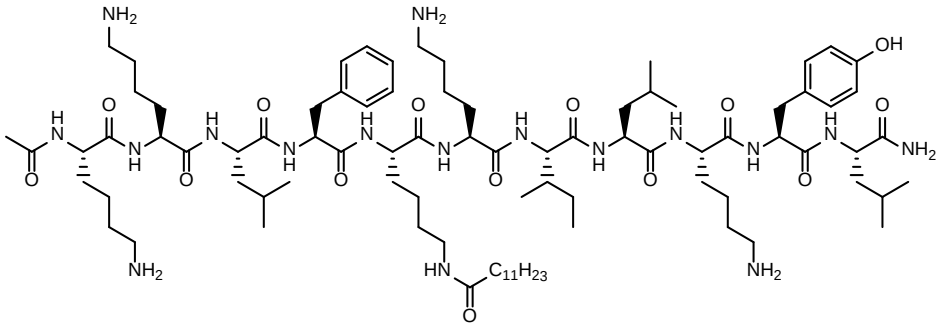
HRMS (*m/z*)


Intens.
x10^5
+MS, 3.0-3.3min #(177-194)
813.5911
1626.1755
m/z

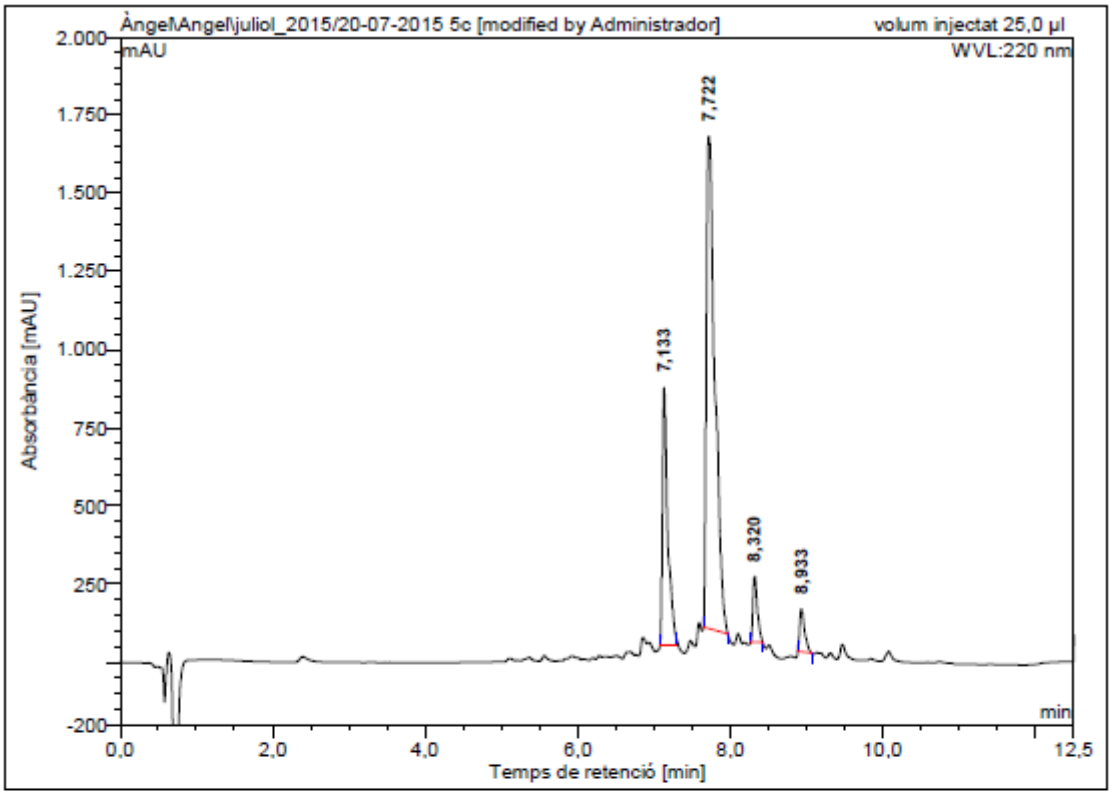

Intens.
x10^4
+MS, 3.0-3.3min #(177-194)
1626.1755
1627.1790
1628.1828
1629.1835
1630.1904
C83H152N18O14, M+nH ,1626.18
1626.1808
1627.1840
1628.1874
1629.1908
1630.1942
m/z


Intens.
x10^5
+MS, 3.0-3.3min #(177-194)
813.5911
814.0929
814.5938
815.0940
C83H152N18O14, M+nH ,1627.19
813.5940
814.0957
814.5973
815.0990
m/z

Ac-Lys-Lys-Leu-Phe-Lys($COC_{11}H_{23}$)-Lys-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP396)

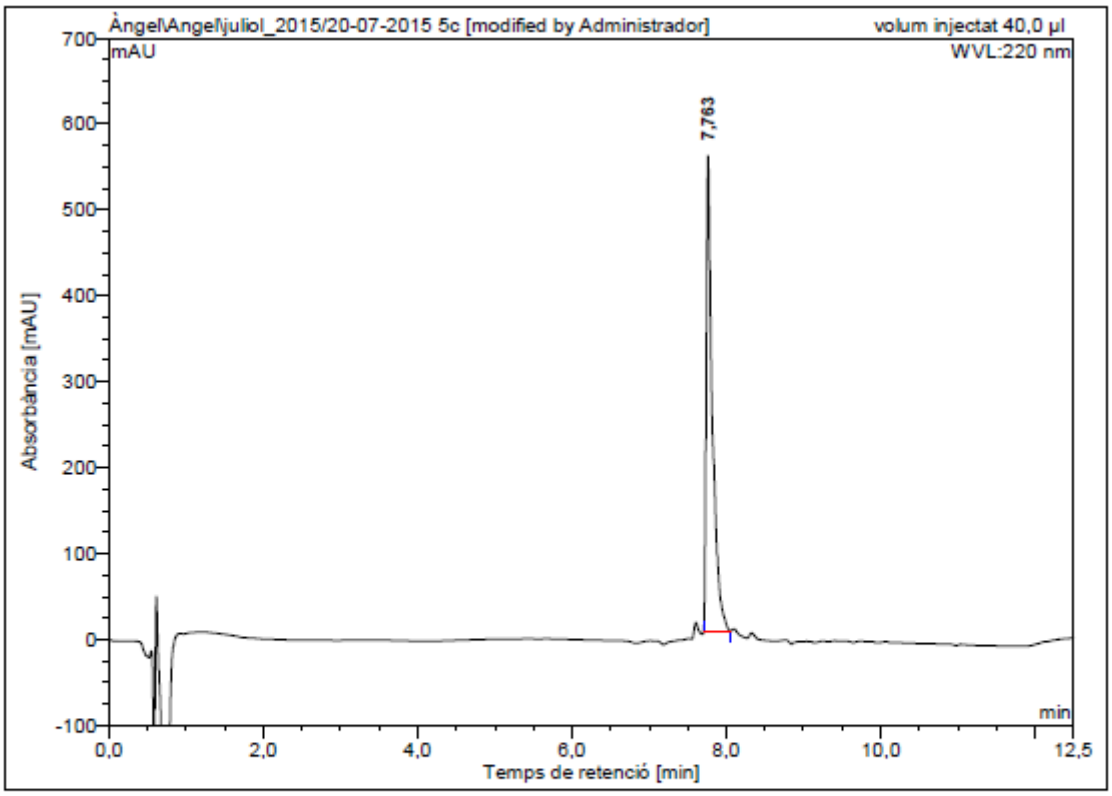


HPLC of crude peptide (λ=220 nm)



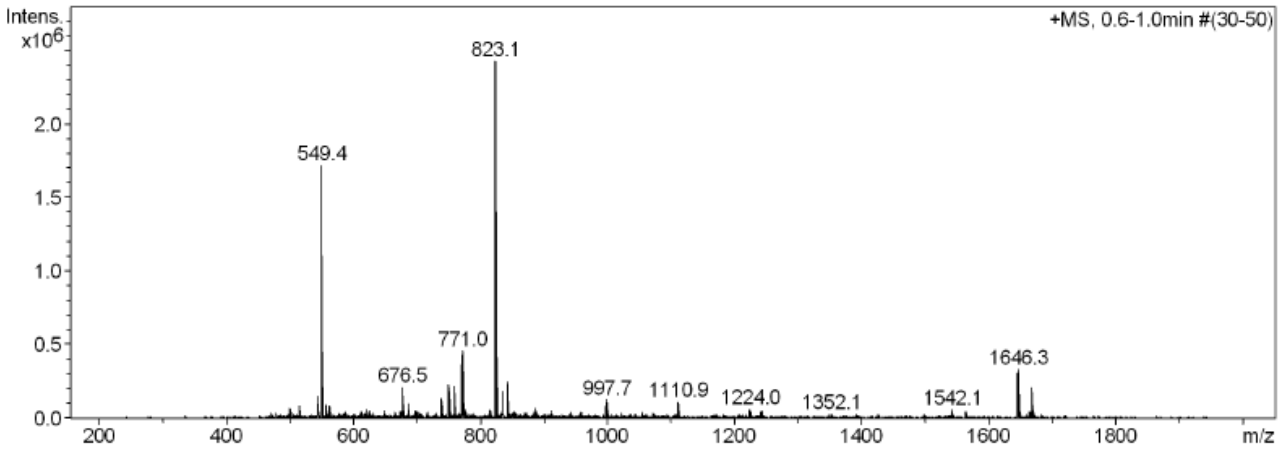
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,13	823,490	65,569	22,07
2	7,72	1572,407	206,739	69,60
3	8,32	210,668	14,235	4,79
4	8,93	137,039	10,506	3,54
Total:		2743,604	297,049	100,00

HPLC of purified peptide (λ=220 nm)

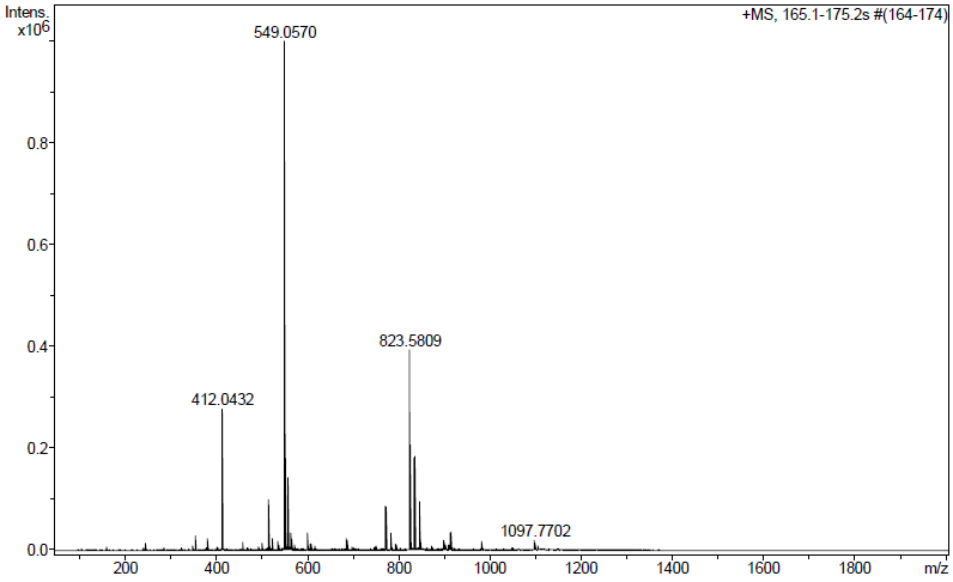


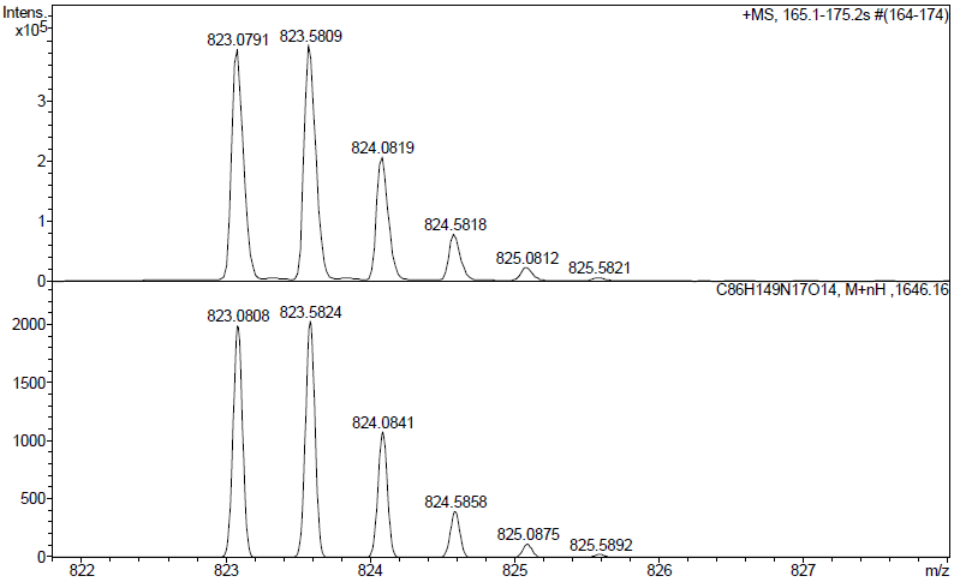
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,76	553,498	51,363	100,00
Total:		553,498	51,363	100,00

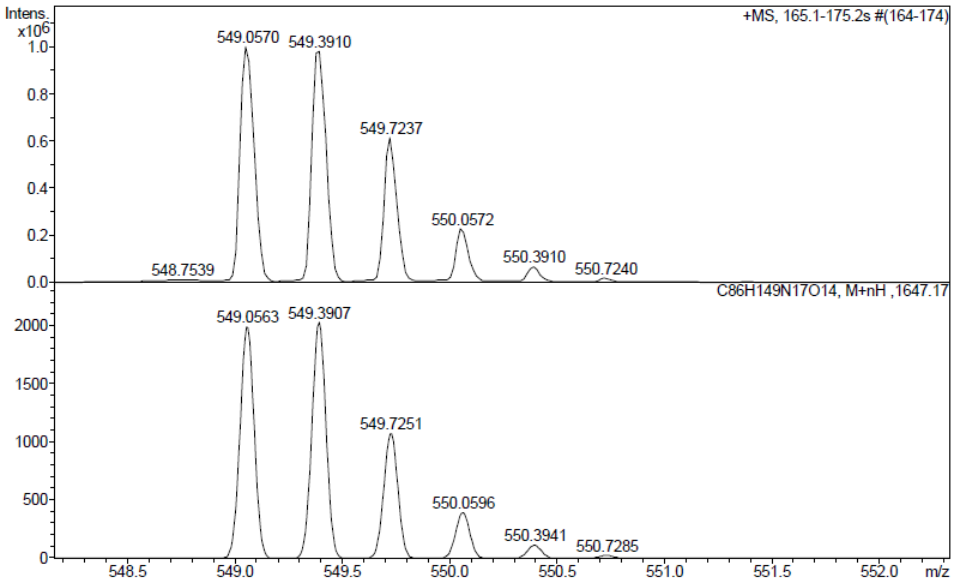
ESI-MS (*m/z*)

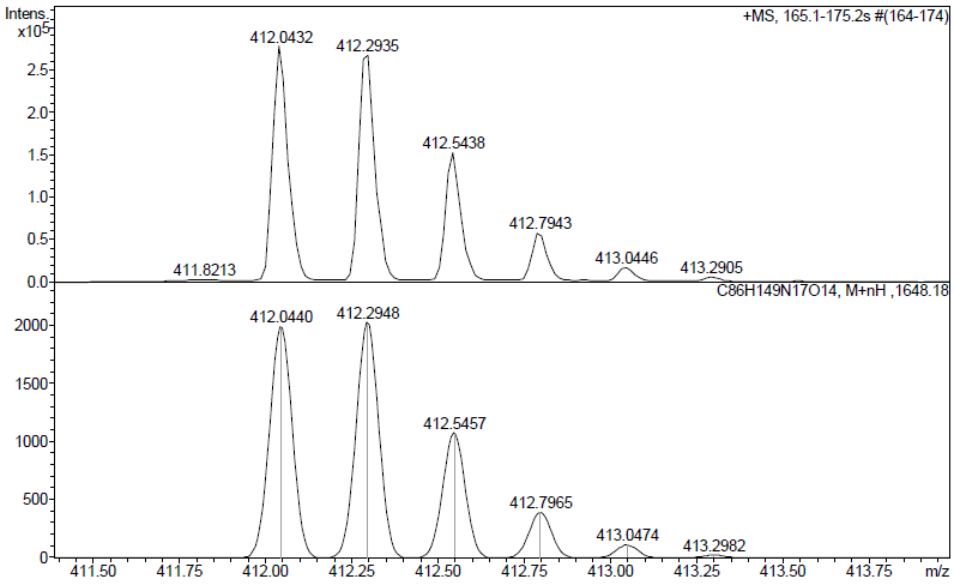


HRMS (*m/z*)

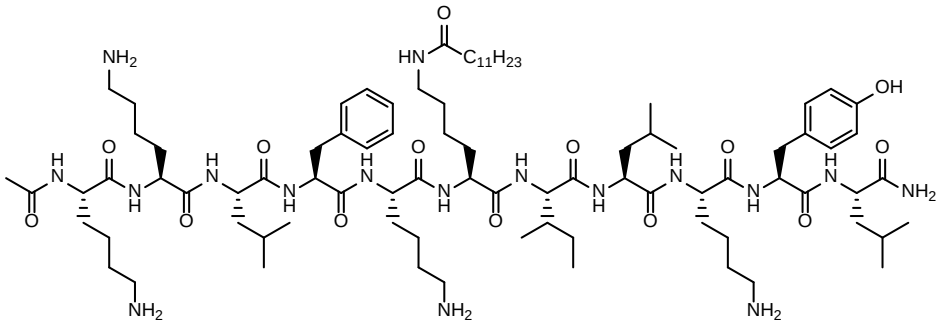

Intens.
x10^6
+MS, 165.1-175.2s #(164-174)
549.0570
823.5809
412.0432
1097.7702
m/z


Intens.
x10^5
+MS, 165.1-175.2s #(164-174)
823.0791
823.5809
824.0819
824.5818
825.0812
825.5821
C86H149N17O14, M+nH ,1646.16
823.0808
823.5824
824.0841
824.5858
825.0875
825.5892
m/z

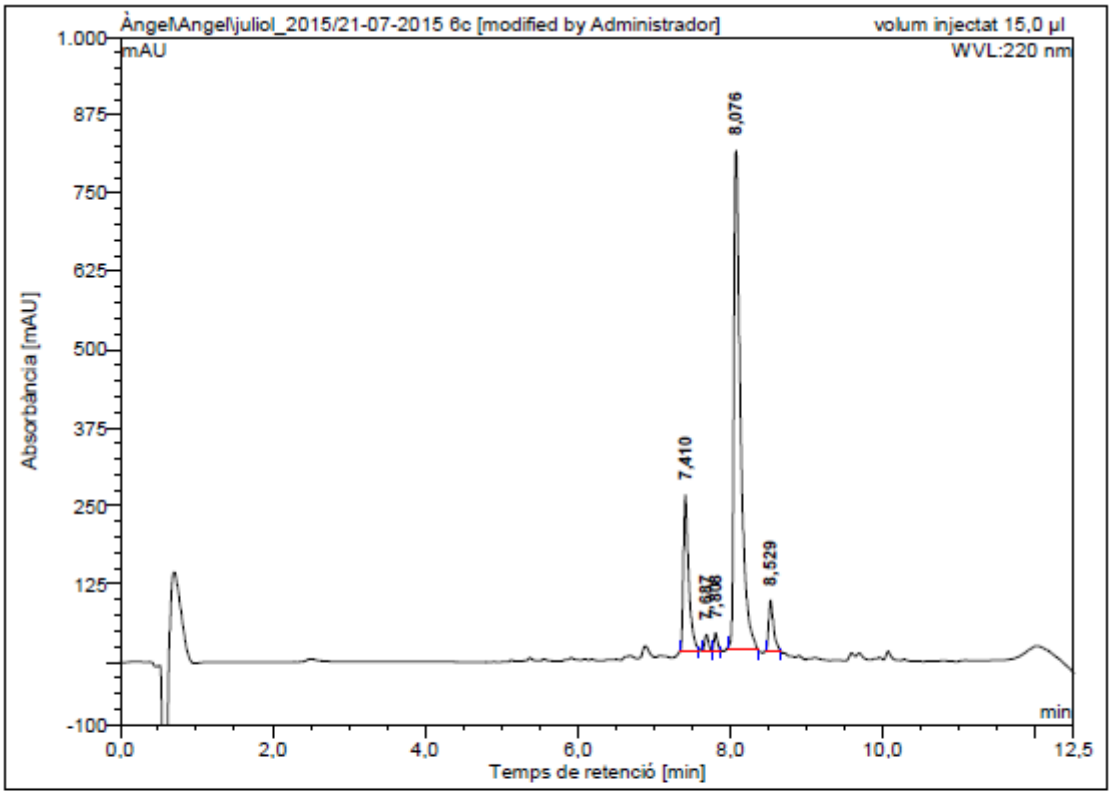

Intens.
x10^6
+MS, 165.1-175.2s #(164-174)
549.0570
549.3910
549.7237
550.0572
548.7539
550.3910
550.7240
C86H149N17O14, M+nH ,1647.17
549.0563
549.3907
549.7251
550.0596
550.3941
550.7285
m/z


Intens.
x10^5
+MS, 165.1-175.2s #(164-174)
412.0432
412.2935
412.5438
412.7943
413.0446
411.8213
413.2905
C86H149N17O14, M+nH ,1648.18
412.0440
412.2948
412.5457
412.7965
413.0474
413.2982
411.50
411.75
412.00
412.25
412.50
412.75
413.00
413.25
413.50
413.75
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys($COC_{11}H_{23}$)-Ile-Leu-Lys-Tyr-Leu-NH_2 (BP397)

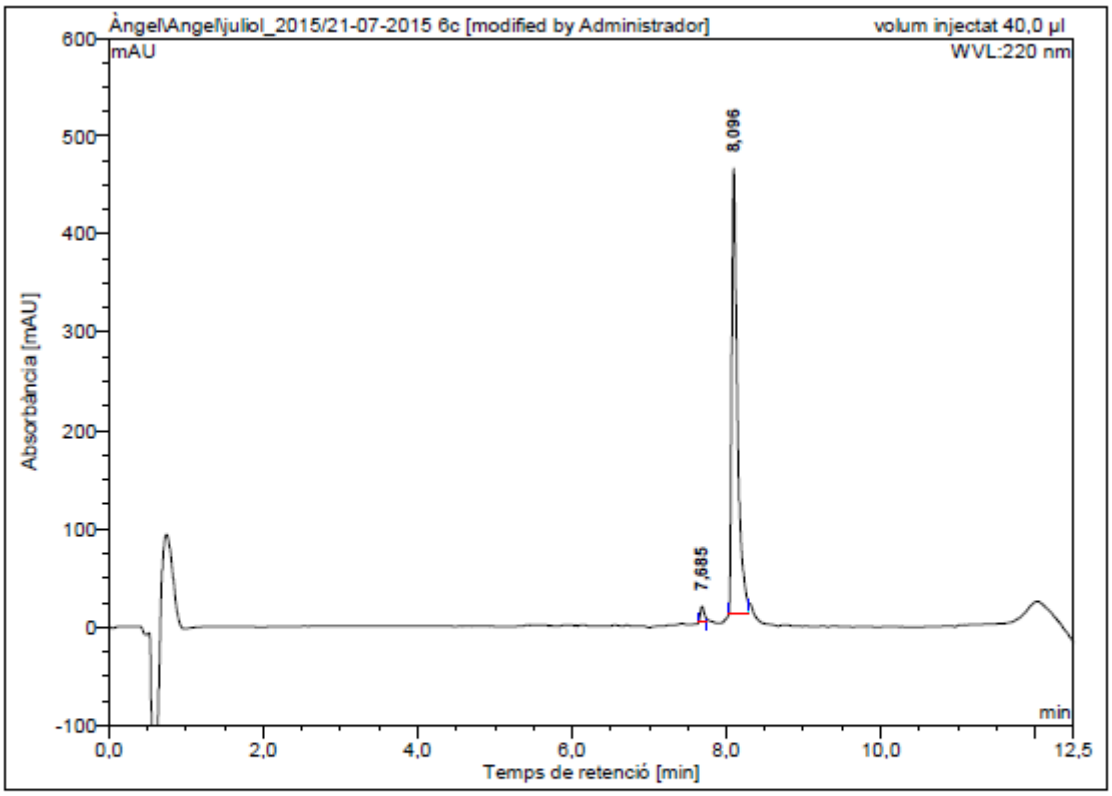


HPLC of crude peptide (λ=220 nm)



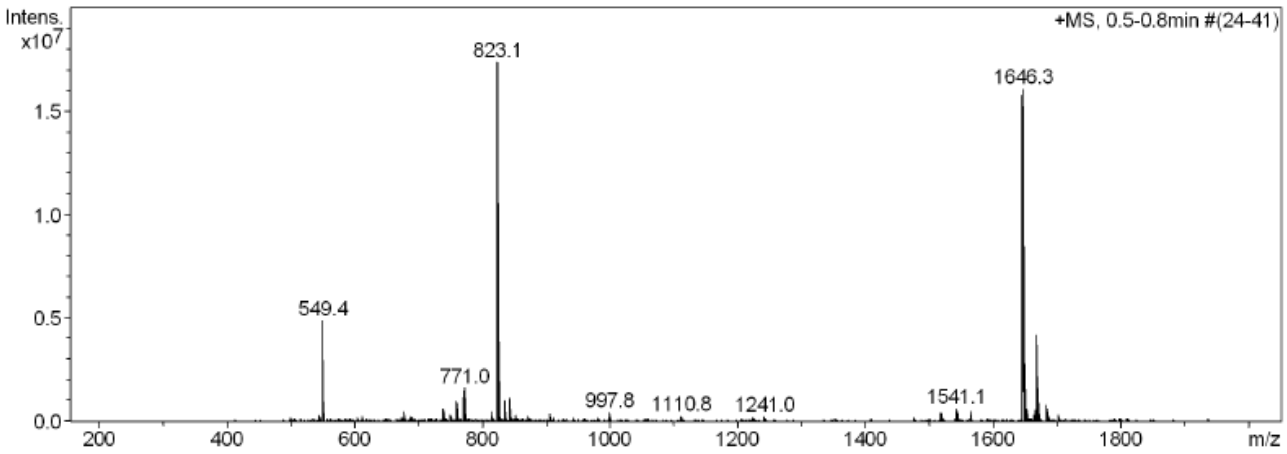
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,41	249,174	20,133	18,19
2	7,69	25,870	1,525	1,38
3	7,81	27,742	1,394	1,26
4	8,08	796,771	81,638	73,74
5	8,53	80,745	6,016	5,43
Total:		1180,302	110,706	100,00

HPLC of purified peptide (λ=220 nm)

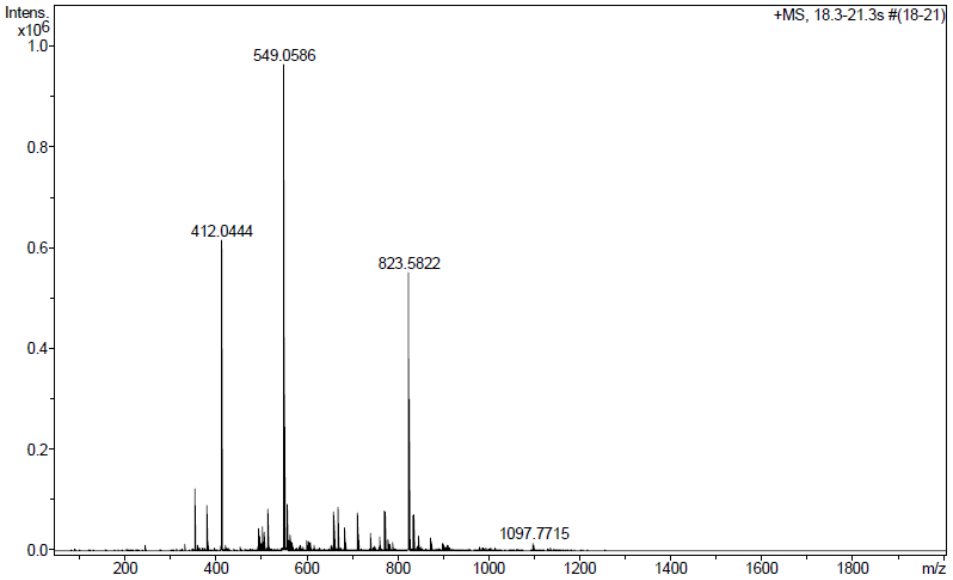


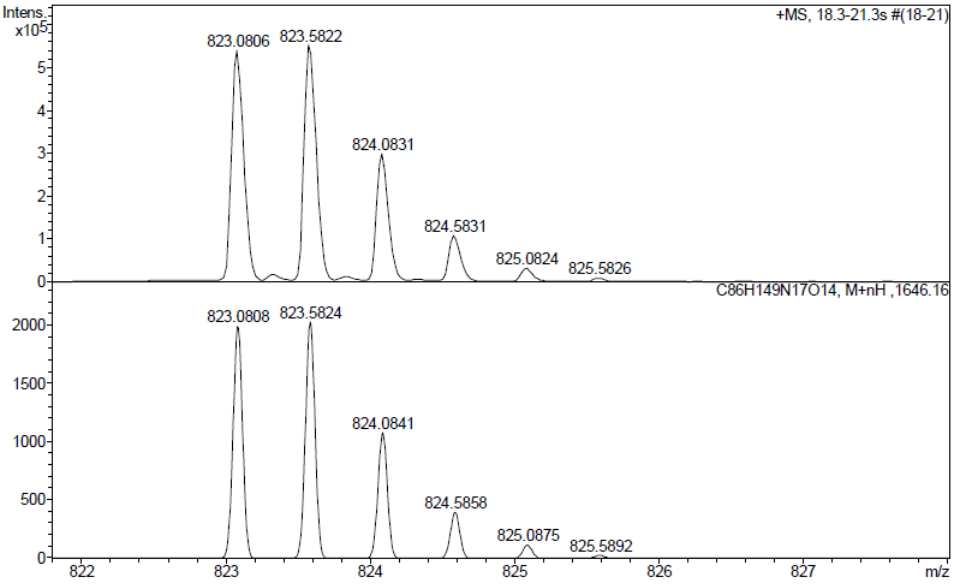
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,68	15,962	0,995	2,51
2	8,10	452,427	38,610	97,49
Total:		468,389	39,606	100,00

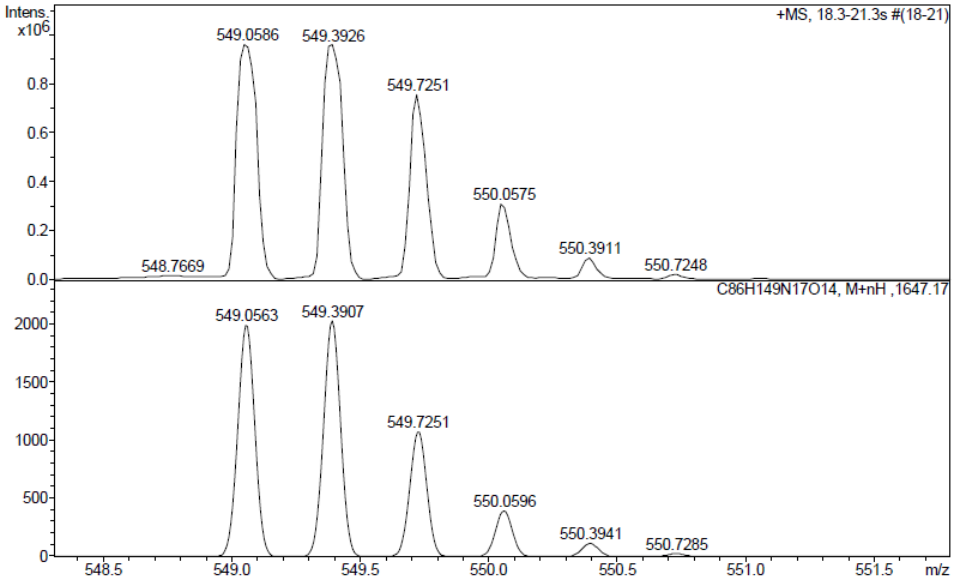
ESI-MS (*m/z*)

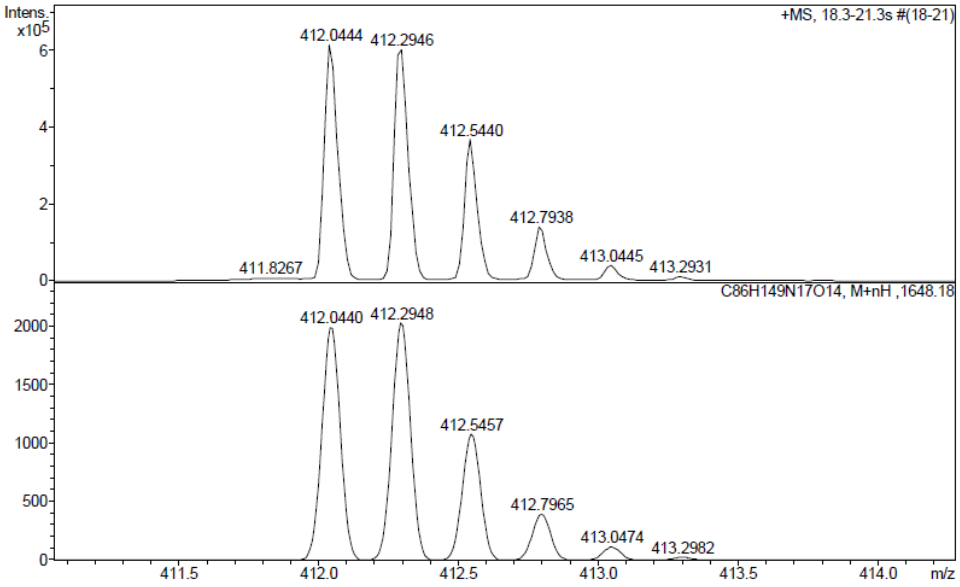


HRMS (*m/z*)

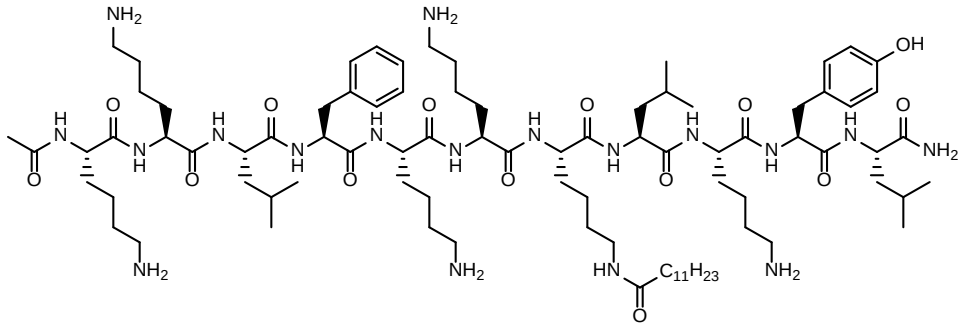

Intens.
x10^6
+MS, 18.3-21.3s #(18-21)
549.0586
412.0444
823.5822
1097.7715
m/z


Intens.
x10^5
+MS, 18.3-21.3s #(18-21)
823.0806
823.5822
824.0831
824.5831
825.0824
825.5826
C86H149N17O14, M+nH ,1646.16
823.0808
823.5824
824.0841
824.5858
825.0875
825.5892
m/z

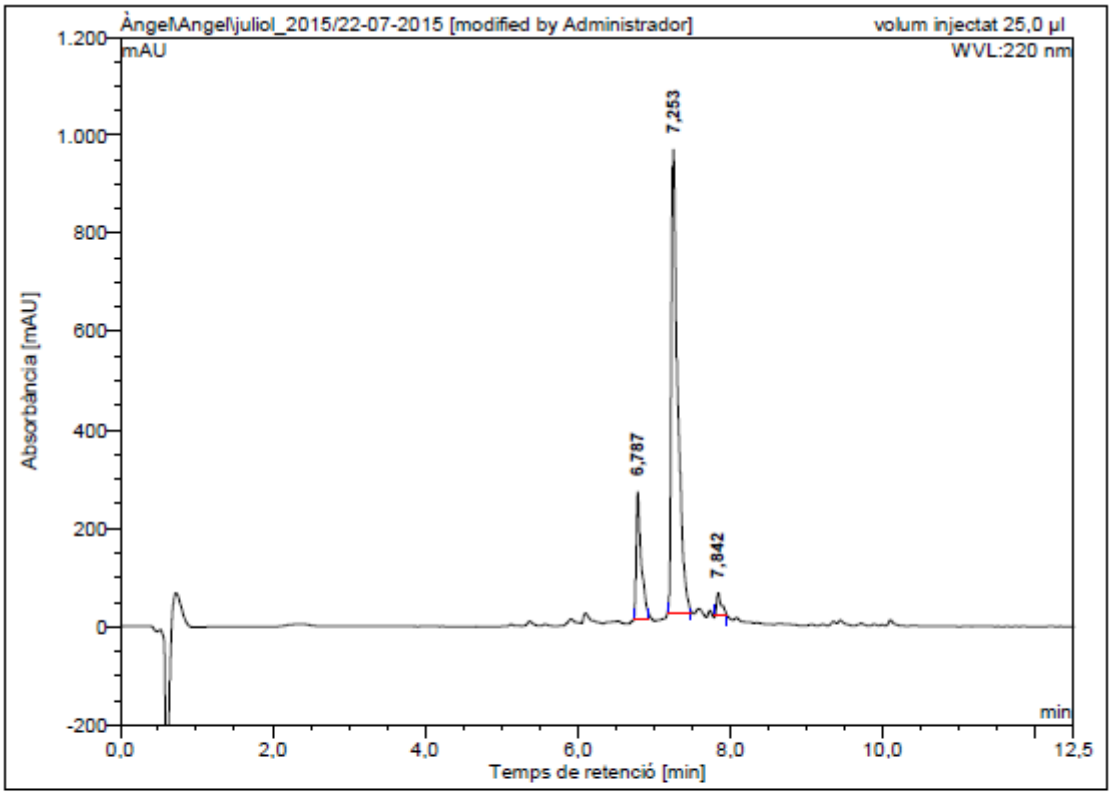

Intens.
x10^6
+MS, 18.3-21.3s #(18-21)
549.0586
549.3926
549.7251
550.0575
550.3911
548.7669
550.7248
C86H149N17O14, M+nH ,1647.17
549.0563
549.3907
549.7251
550.0596
550.3941
550.7285
m/z


Intens.
x10^5
+MS, 18.3-21.3s #(18-21)
412.0444
412.2946
412.5440
412.7938
413.0445
413.2931
411.8267
C86H149N17O14, M+nH ,1648.18
412.0440
412.2948
412.5457
412.7965
413.0474
413.2982
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Lys($COC_{11}H_{23}$)-Leu-Lys-Tyr-Leu-NH_2 (BP398)

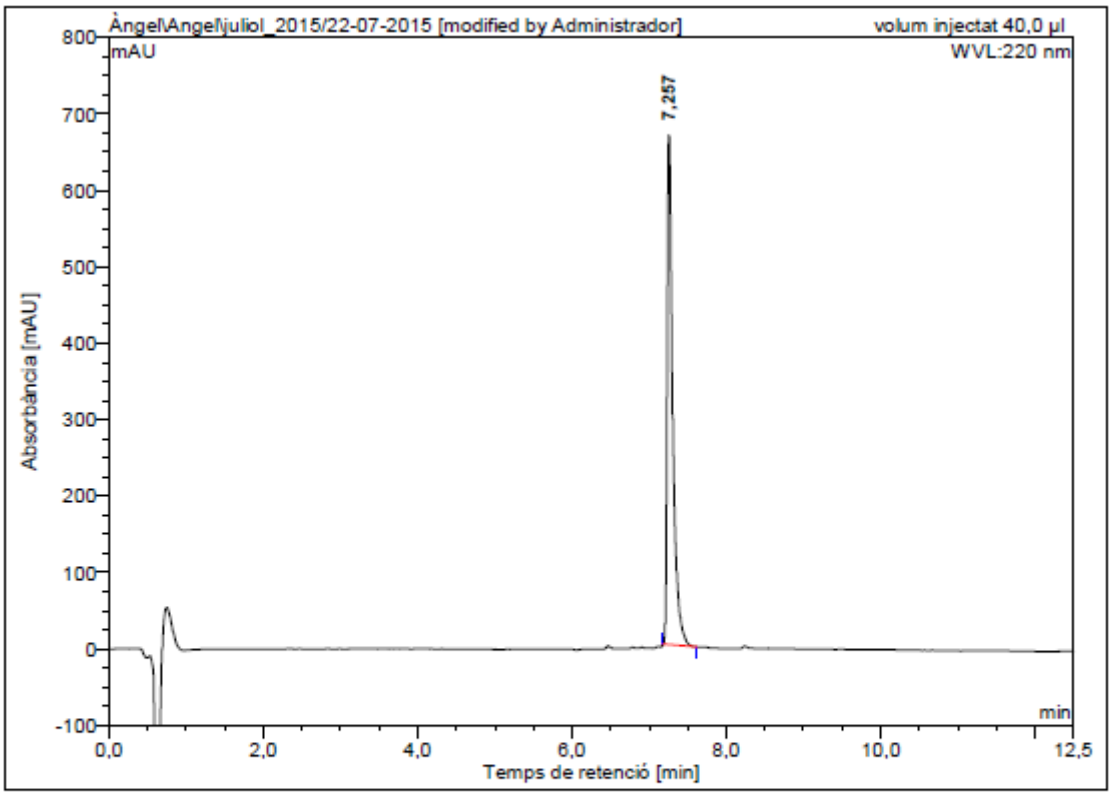


HPLC of crude peptide (λ=220 nm)



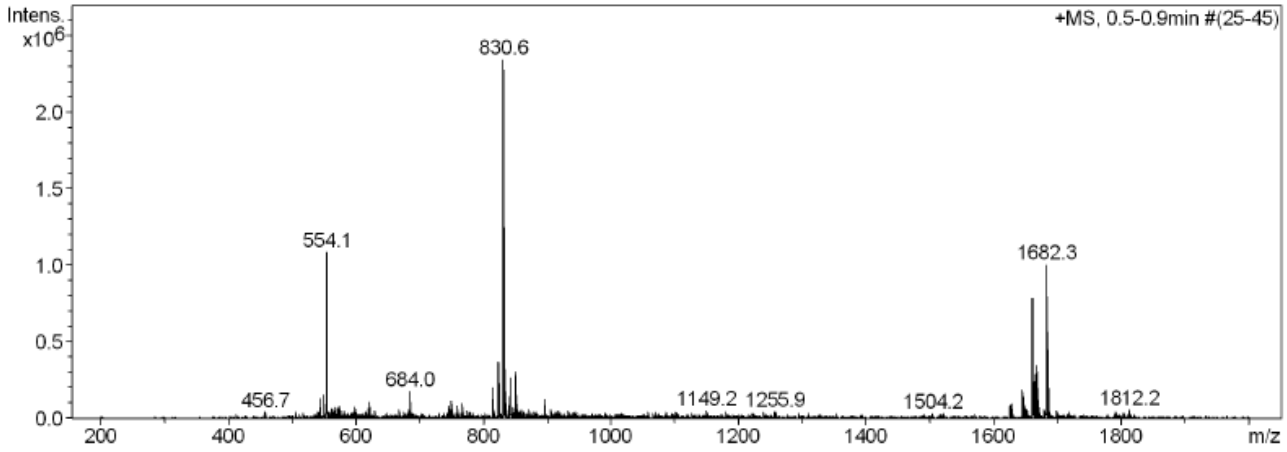
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,79	255,948	19,043	16,63
2	7,25	941,040	92,119	80,44
3	7,84	46,558	3,356	2,93
Total:		1243,546	114,517	100,00

HPLC of purified peptide (λ=220 nm)

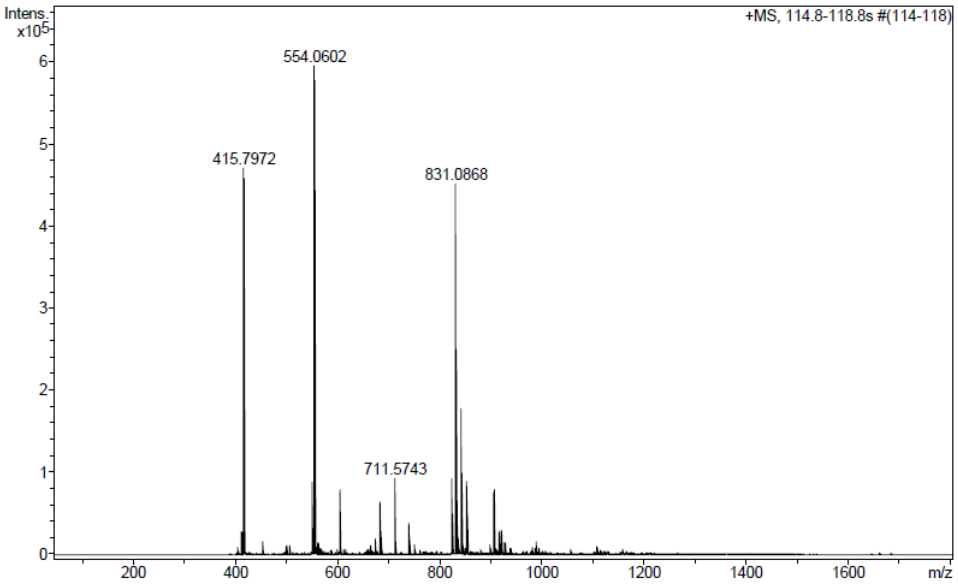


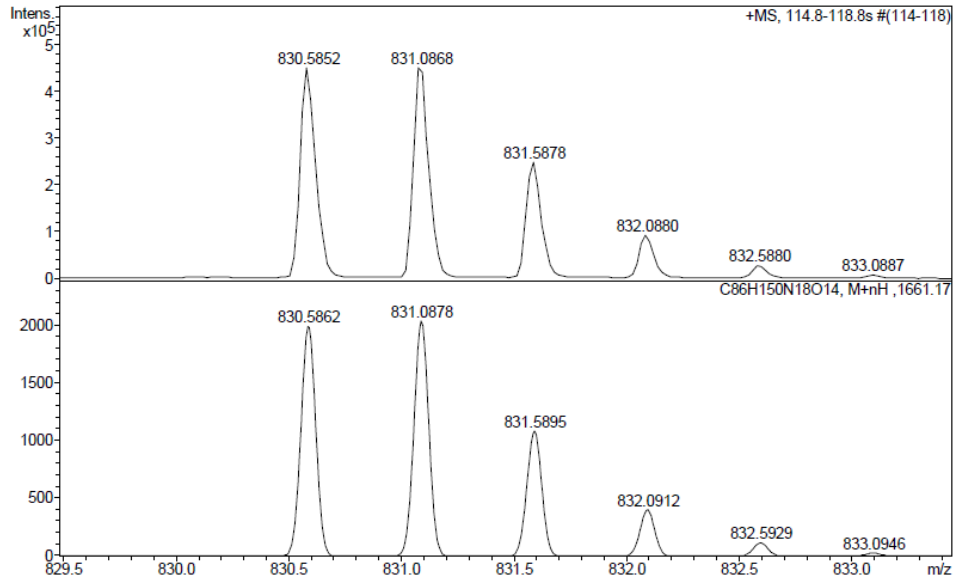
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,26	666,796	56,101	100,00
Total:		666,796	56,101	100,00

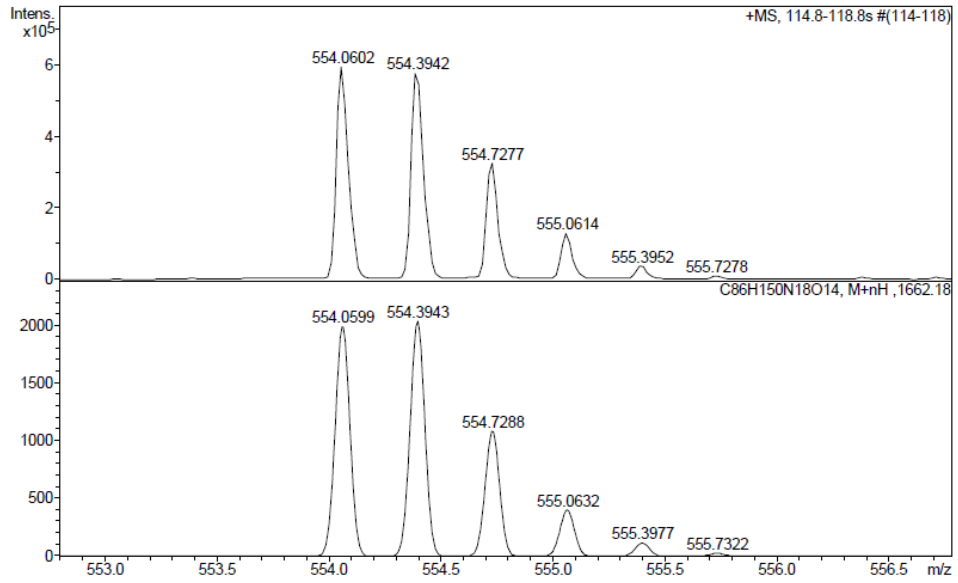
ESI-MS (*m/z*)

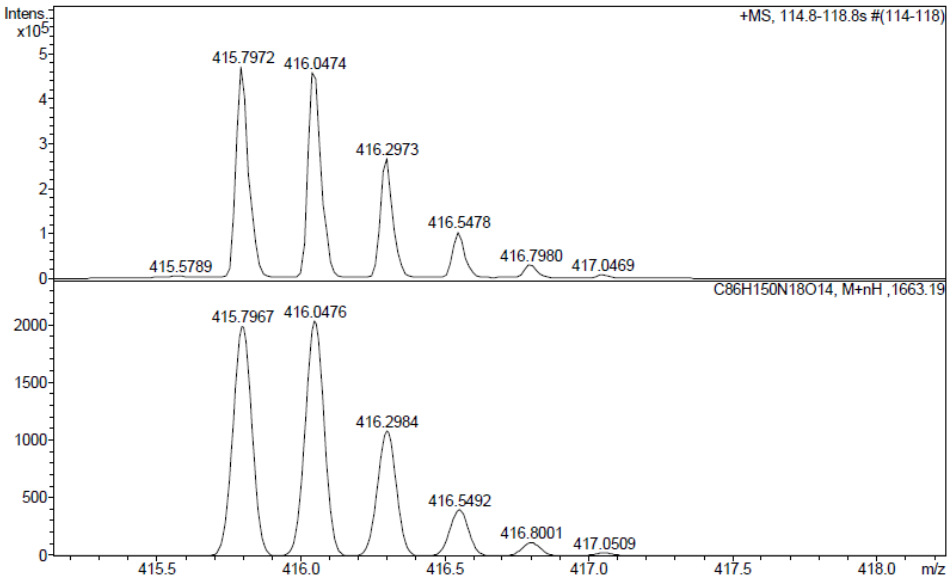


HRMS (*m/z*)

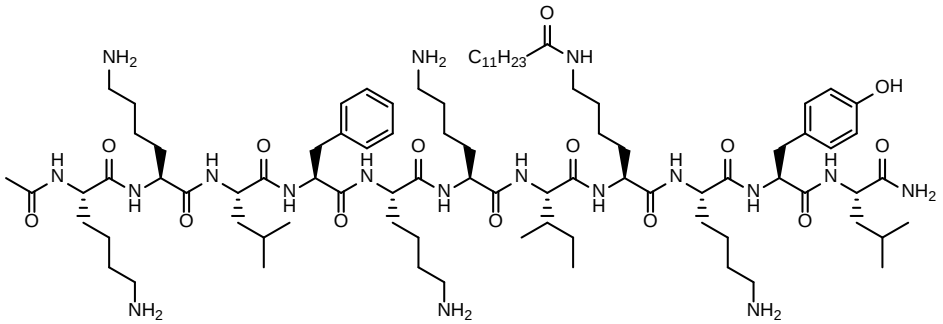

Intens.
x10^5
+MS, 114.8-118.8s #(114-118)
554.0602
415.7972
831.0868
711.5743
m/z


Intens.
x10^5
+MS, 114.8-118.8s #(114-118)
830.5852
831.0868
831.5878
832.0880
832.5880
833.0887
C86H150N18O14, M+nH ,1661.17
830.5862
831.0878
831.5895
832.0912
832.5929
833.0946
m/z

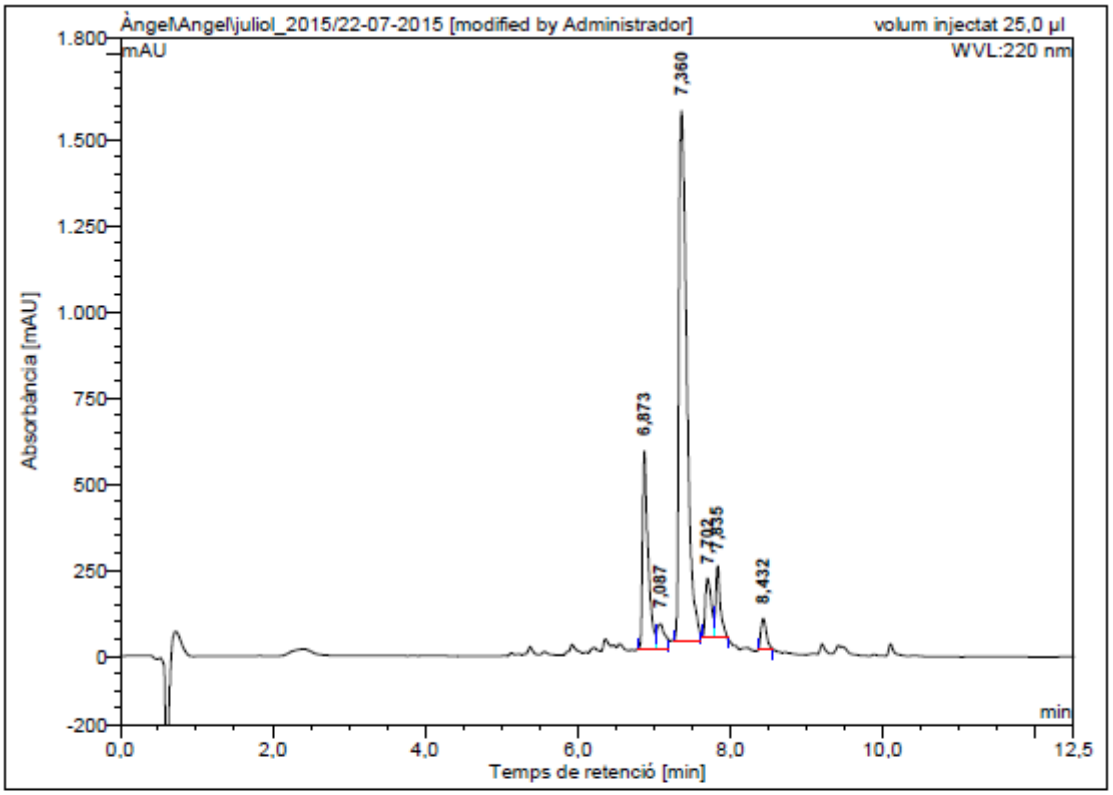

Intens.
x10^5
+MS, 114.8-118.8s #(114-118)
554.0602
554.3942
554.7277
555.0614
555.3952
555.7278
C86H150N18O14, M+nH ,1662.18
554.0599
554.3943
554.7288
555.0632
555.3977
555.7322
m/z


Intens.
x10^5
+MS, 114.8-118.8s #(114-118)
415.7972
416.0474
416.2973
416.5478
416.7980
417.0469
415.5789
C86H150N18O14, M+nH ,1663.19
415.7967
416.0476
416.2984
416.5492
416.8001
417.0509
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Lys($COC_{11}H_{23}$)-Lys-Tyr-Leu-NH_2 (BP399)

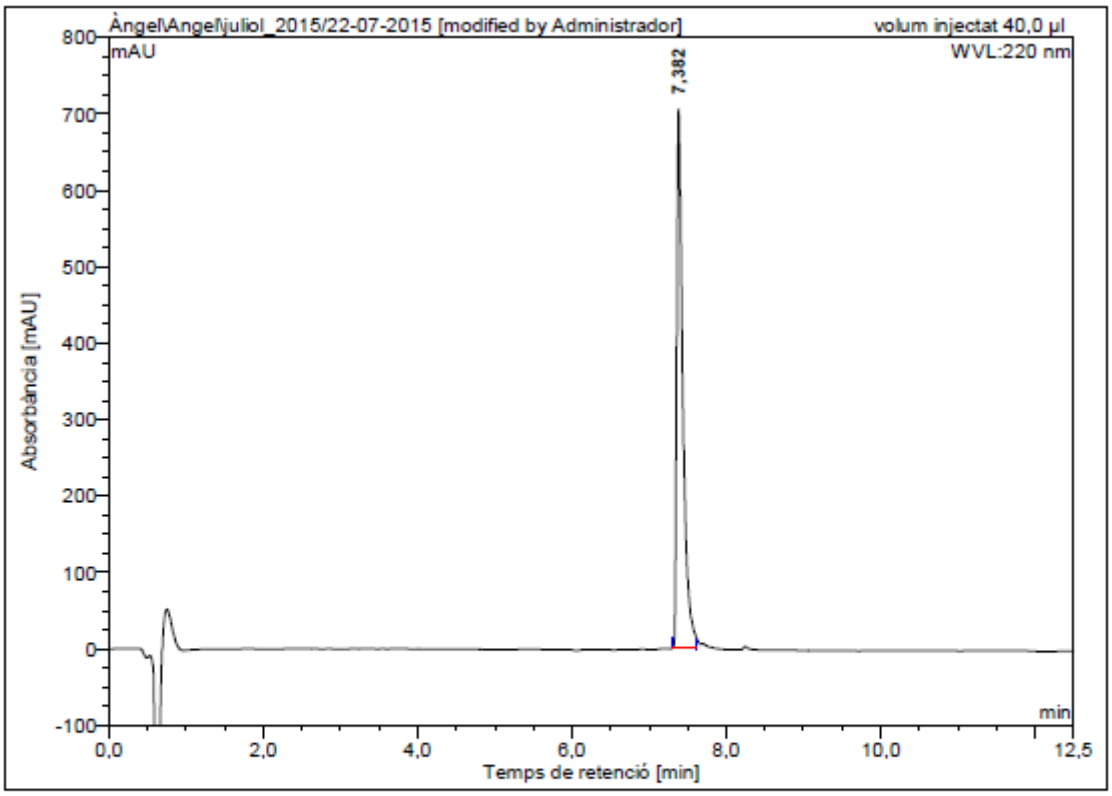


HPLC of crude peptide (λ=220 nm)



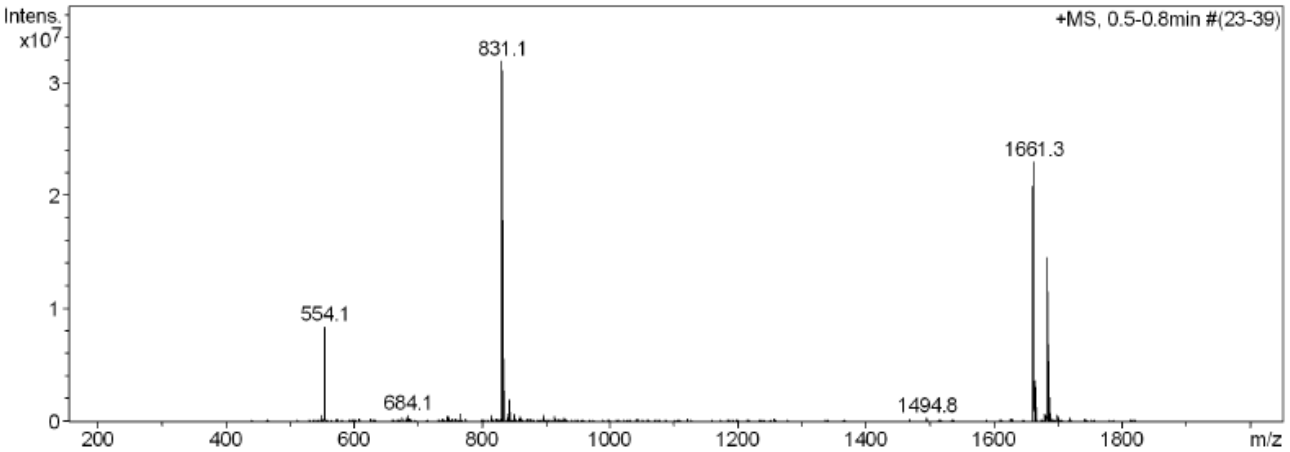
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,87	572,985	47,760	17,15
2	7,09	71,293	8,638	3,10
3	7,36	1538,740	184,103	66,12
4	7,70	173,523	16,079	5,77
5	7,84	210,519	14,740	5,29
6	8,43	86,993	7,105	2,55
Total:		2654,054	278,426	100,00

HPLC of purified peptide (λ=220 nm)

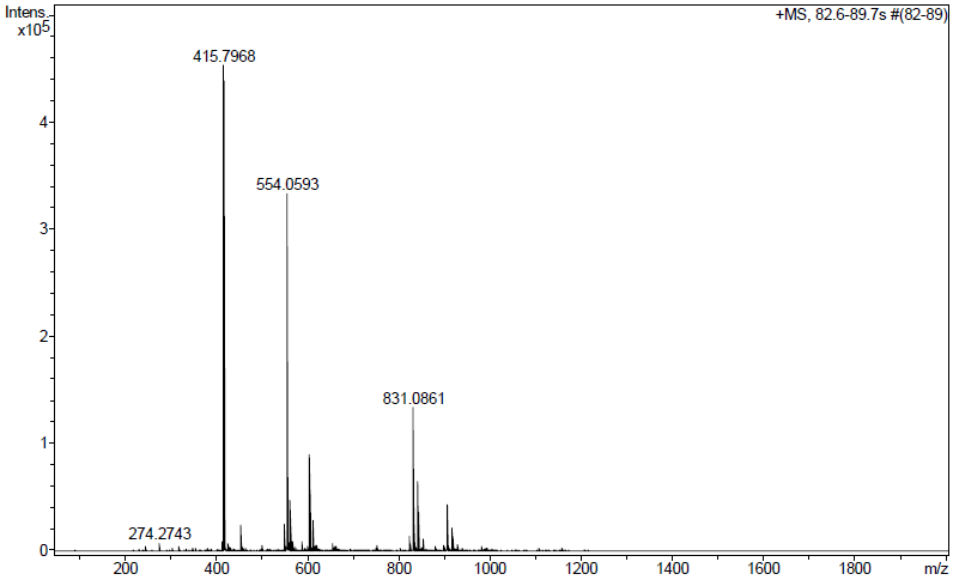


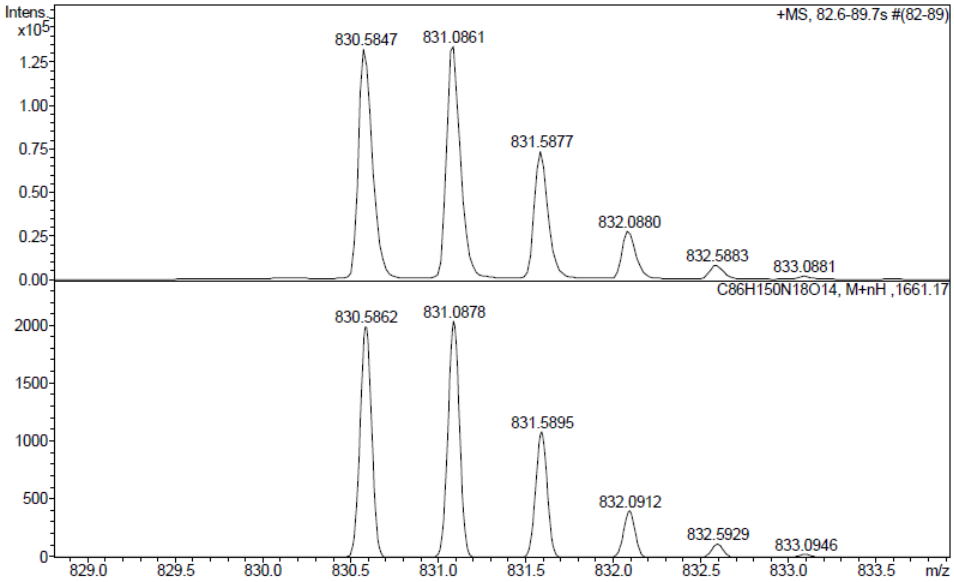
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,38	705,265	64,787	100,00
Total:		705,265	64,787	100,00

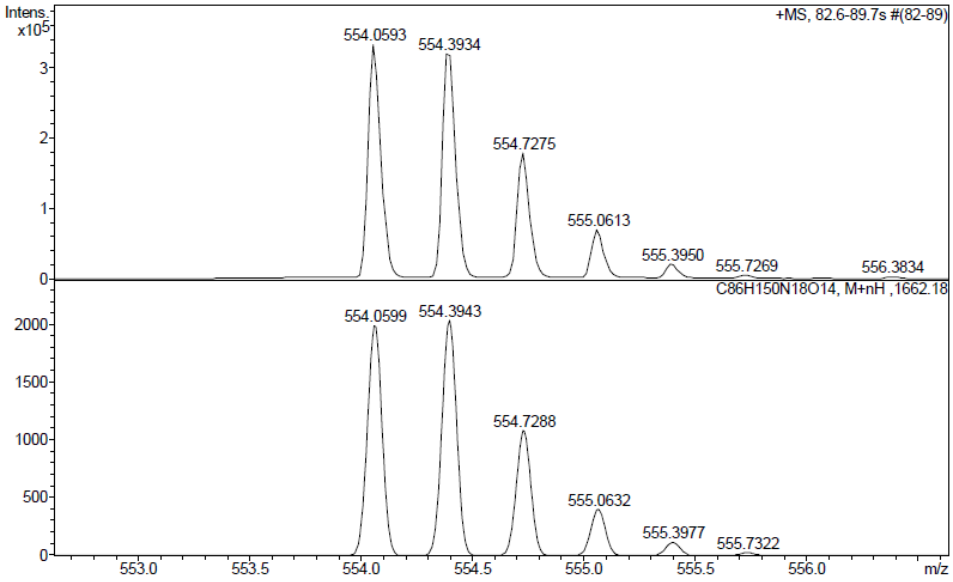
ESI-MS (*m/z*)

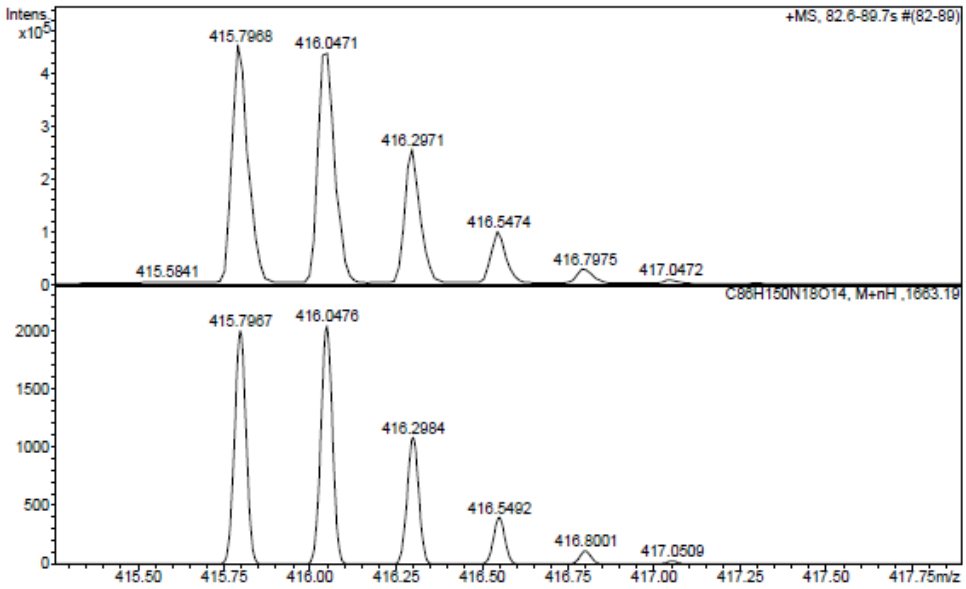


HRMS (*m/z*)

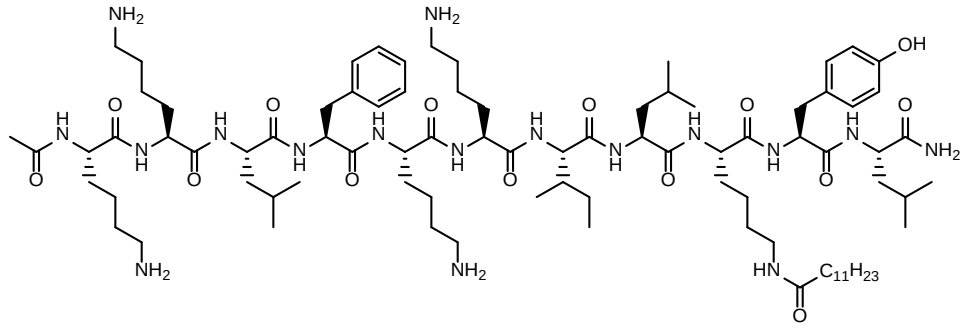

Intens.
x10^5
+MS, 82.6-89.7s #(82-89)
415.7968
554.0593
831.0861
274.2743
m/z


Intens.
x10^5
+MS, 82.6-89.7s #(82-89)
830.5847
831.0861
831.5877
832.0880
832.5883
833.0881
C86H150N18O14, M+nH ,1661.17
830.5862
831.0878
831.5895
832.0912
832.5929
833.0946
m/z

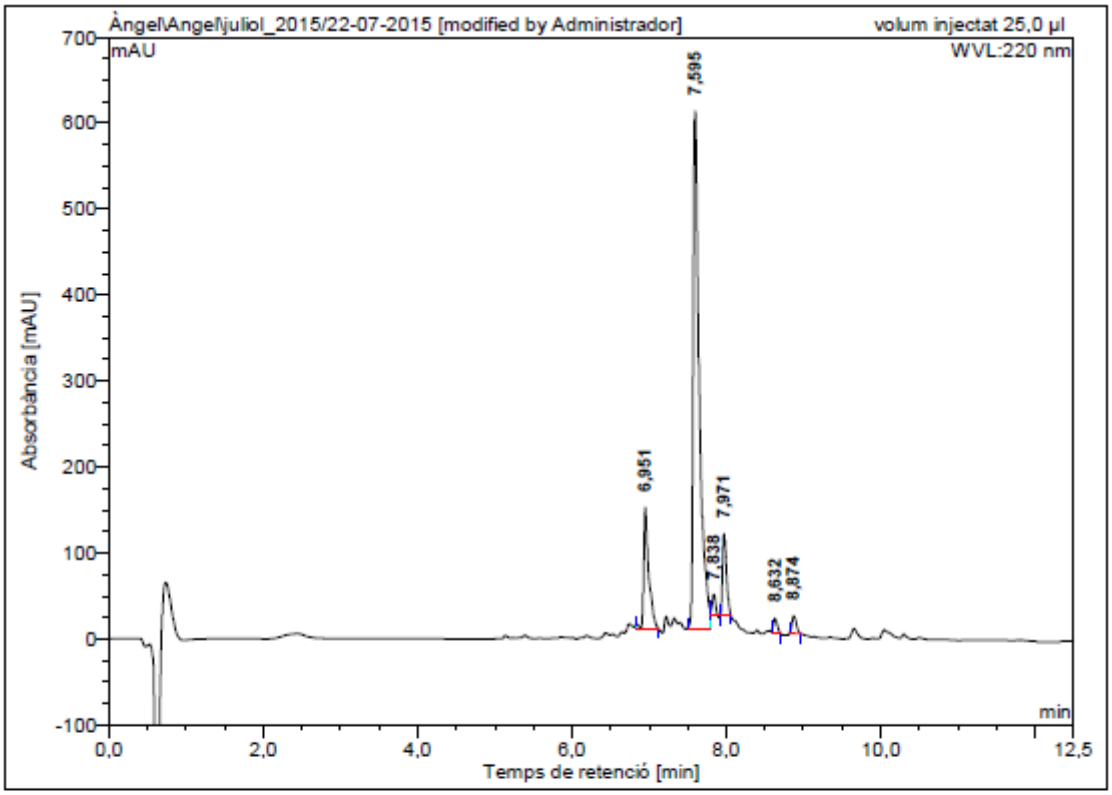

Intens.
x10^5
+MS, 82.6-89.7s #(82-89)
554.0593
554.3934
554.7275
555.0613
555.3950
555.7269
556.3834
C86H150N18O14, M+nH ,1662.18
554.0599
554.3943
554.7288
555.0632
555.3977
555.7322
m/z


Intens.
x10^5
+MS, 82.6-89.7s #(82-89)
415.7968
416.0471
416.2971
416.5474
416.7975
417.0472
415.5841
C88H150N18O14, M+nH ,1663.19
415.7967
416.0476
416.2984
416.5492
416.8001
417.0509
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys($COC_{11}H_{23}$)-Tyr-Leu-NH_2 (BP400)

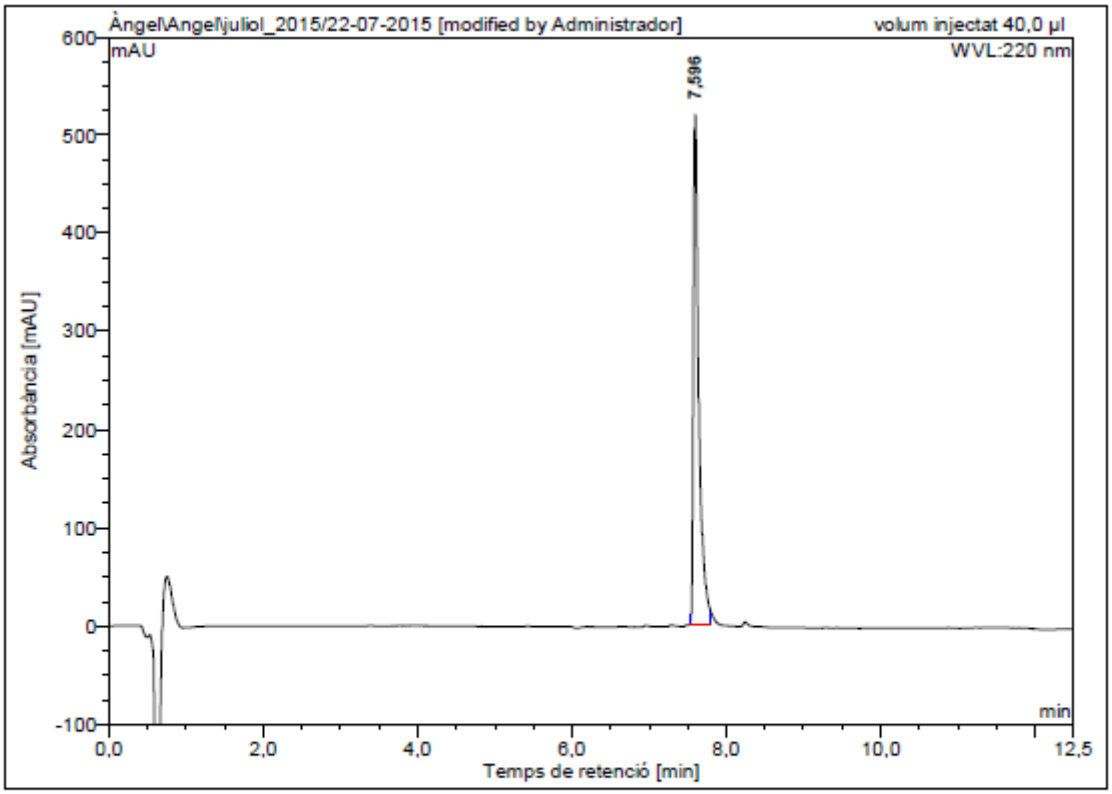


HPLC of crude peptide (λ=220 nm)



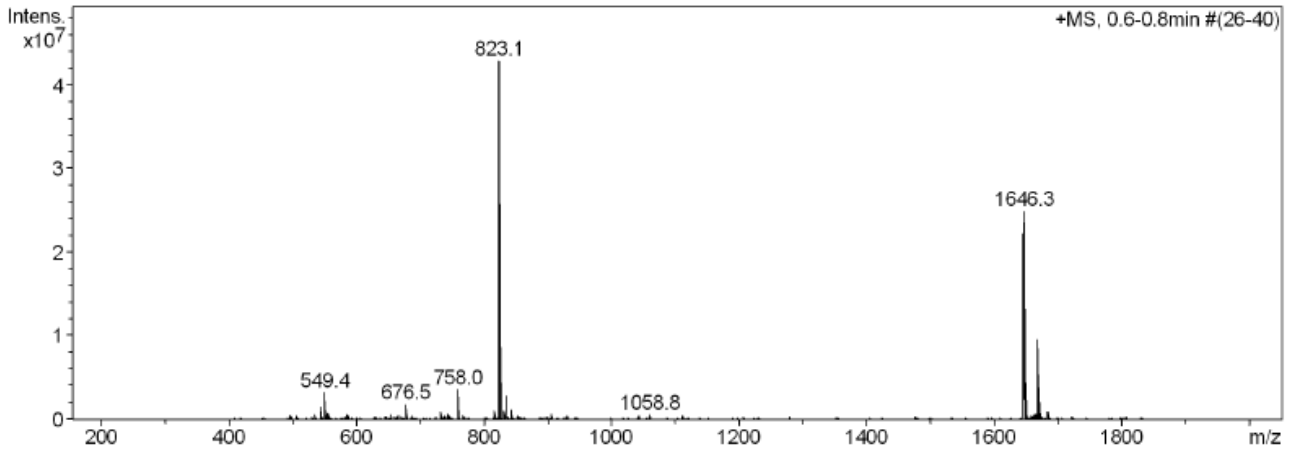
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,95	139,996	10,696	14,22
2	7,60	601,296	55,148	73,32
3	7,84	24,928	1,222	1,63
4	7,97	95,266	5,750	7,64
5	8,63	17,523	1,090	1,45
6	8,87	20,128	1,311	1,74
Total:		899,138	75,217	100,00

HPLC of purified peptide (λ=220 nm)

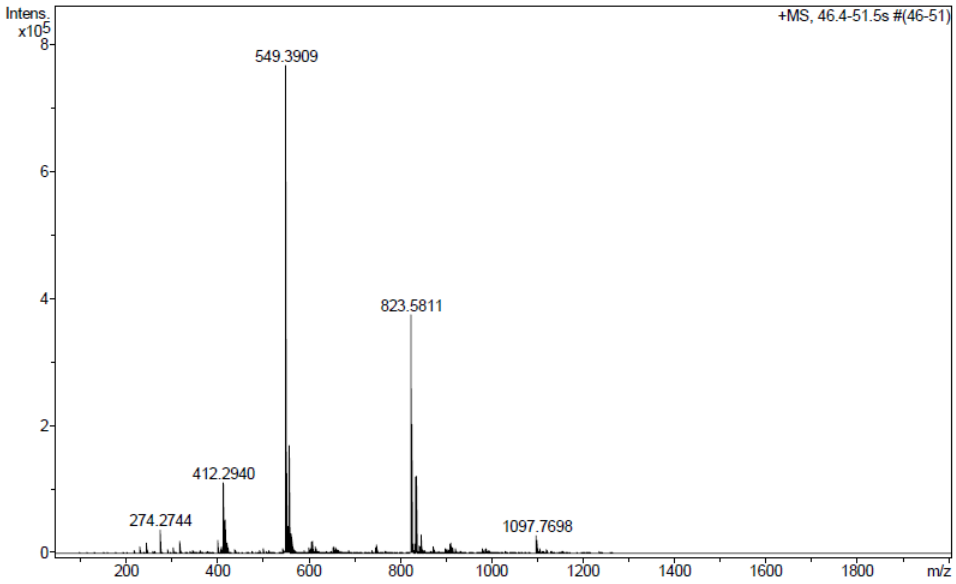


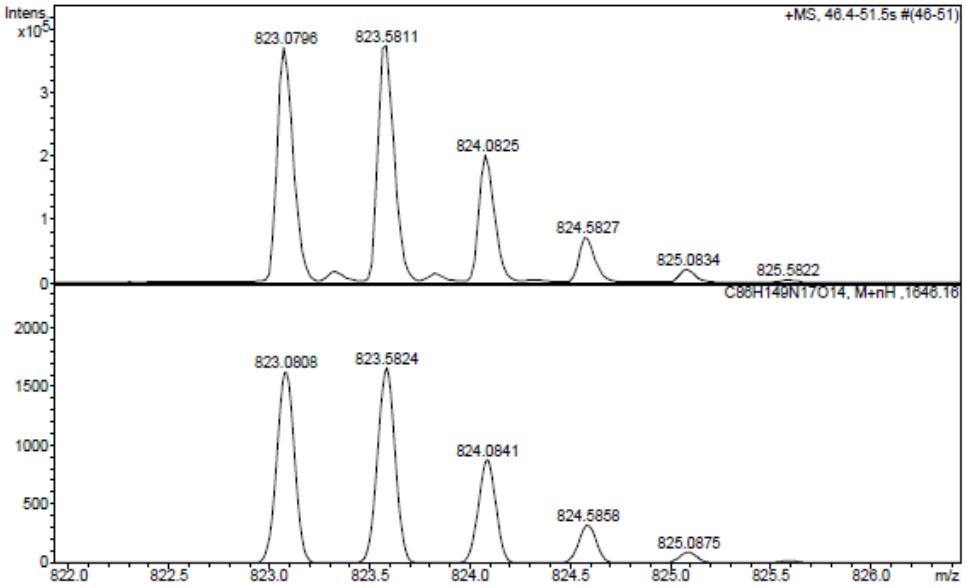
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,60	518,077	42,421	100,00
Total:		518,077	42,421	100,00

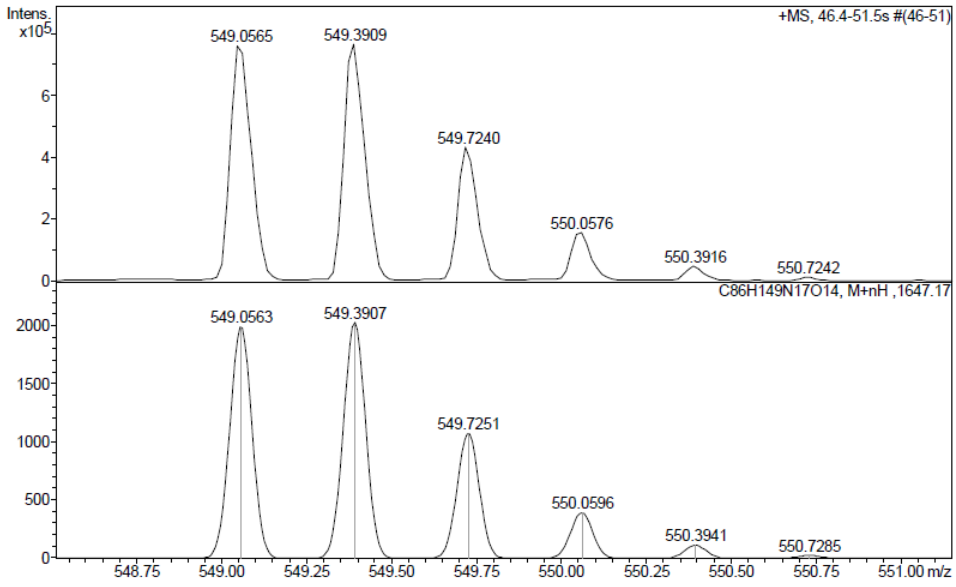
ESI-MS (*m/z*)

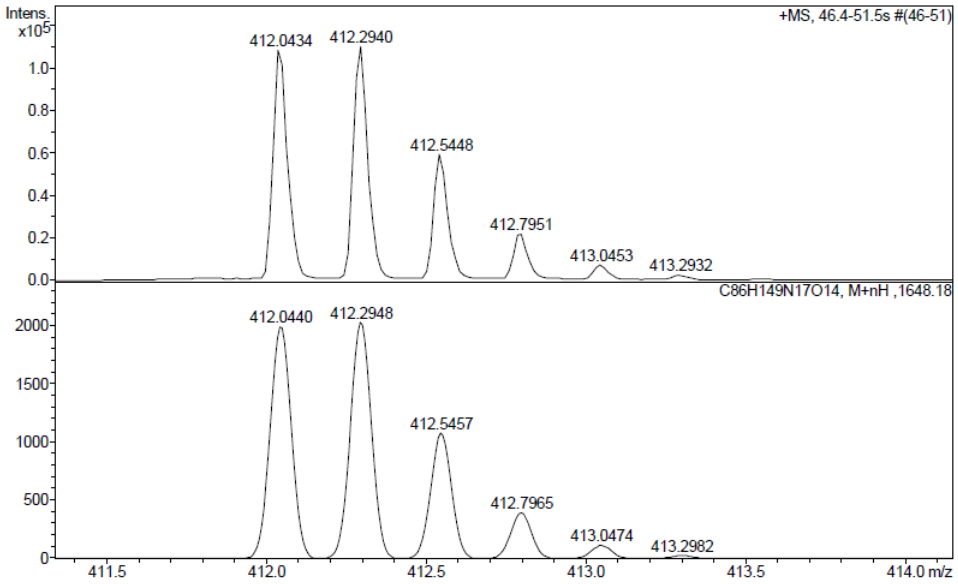


HRMS (*m/z*)

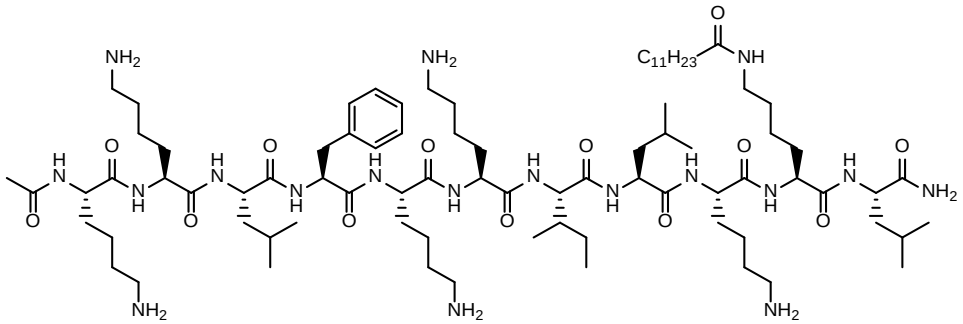

Intens.
x10^5
+MS, 46.4-51.5s #(46-51)
549.3909
823.5811
412.2940
274.2744
1097.7698
m/z


Intens.
x10^5
+MS, 46.4-51.5s #(46-51)
823.0796
823.5811
824.0825
824.5827
825.0834
825.5822
C86H149N17O14, M+nH ,1646.16
823.0808
823.5824
824.0841
824.5858
825.0875
m/z

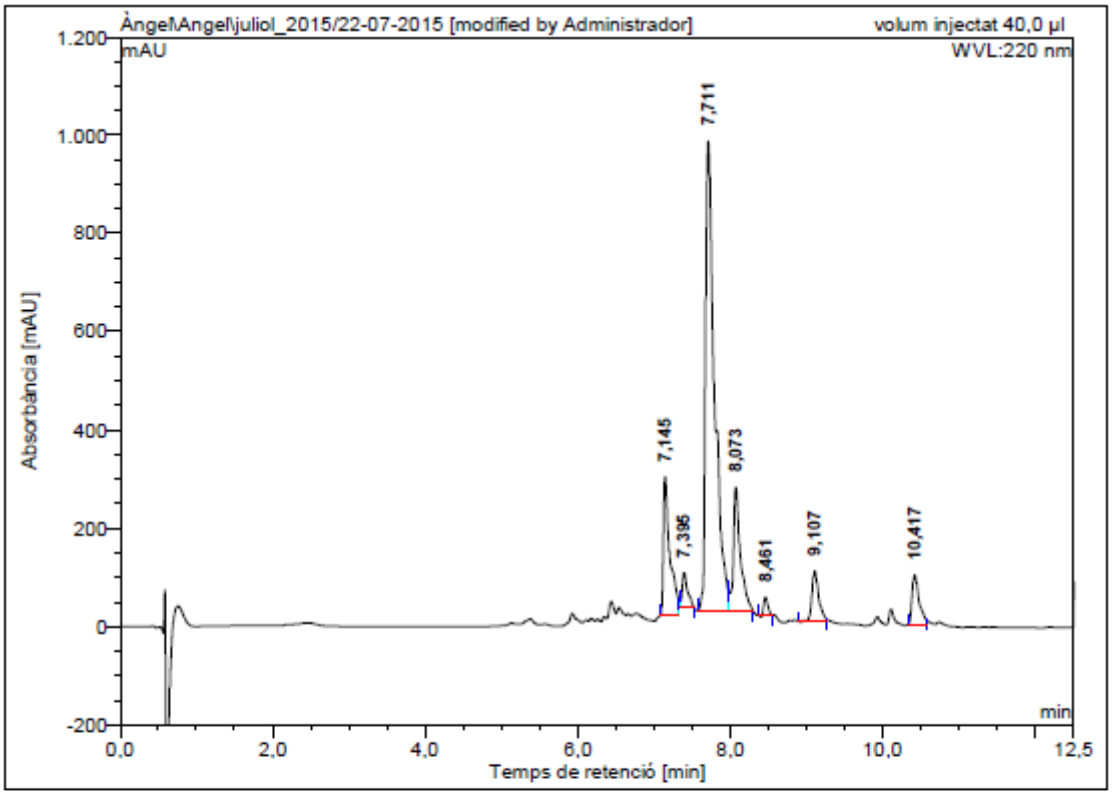

Intens.
x10^5
+MS, 46.4-51.5s #(46-51)
549.0565
549.3909
549.7240
550.0576
550.3916
550.7242
C86H149N17O14, M+nH ,1647.17
549.0563
549.3907
549.7251
550.0596
550.3941
550.7285
m/z


Intens.
x10^5
+MS, 46.4-51.5s #(46-51)
412.0434
412.2940
412.5448
412.7951
413.0453
413.2932
C86H149N17O14, M+nH ,1648.18
412.0440
412.2948
412.5457
412.7965
413.0474
413.2982
411.5
412.0
412.5
413.0
413.5
414.0 m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Lys($COC_{11}H_{23}$)-Leu-NH_2 (BP401)

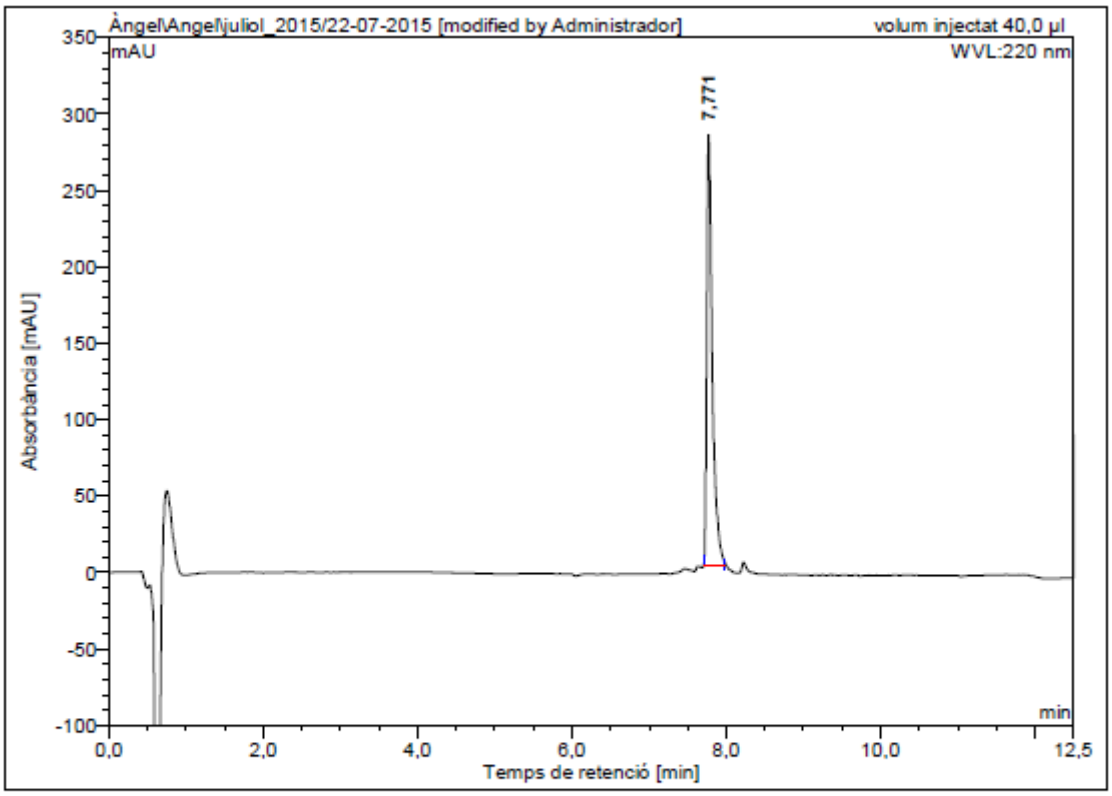


HPLC of crude peptide (λ=220 nm)



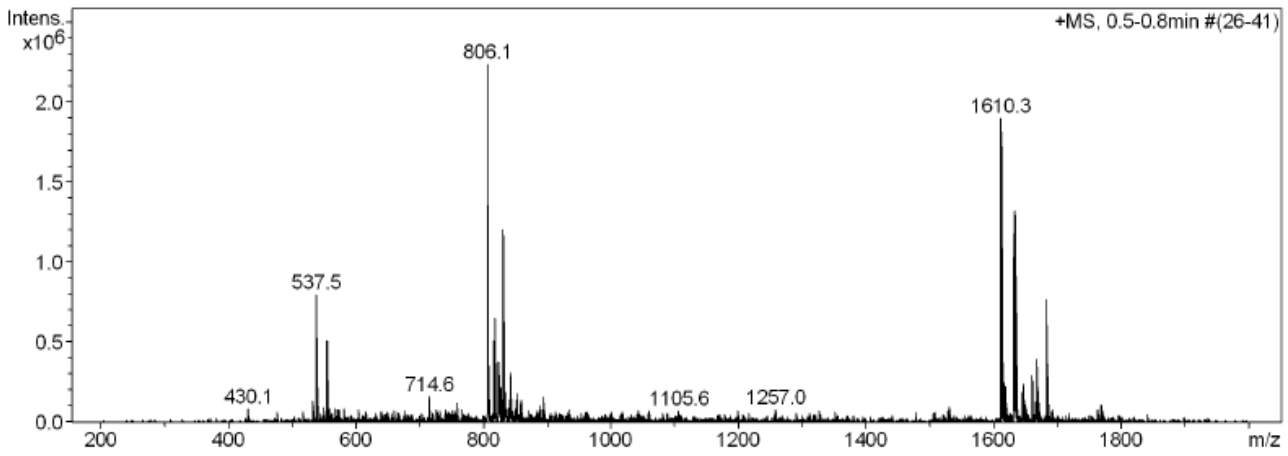
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,15	281,402	27,972	12,86
2	7,39	69,176	5,638	2,59
3	7,71	955,947	132,927	61,10
4	8,07	251,104	27,182	12,49
5	8,46	36,744	2,231	1,03
6	9,11	103,107	10,872	5,00
7	10,42	100,065	10,747	4,94
Total:		1797,546	217,569	100,00

HPLC of purified peptide (λ=220 nm)

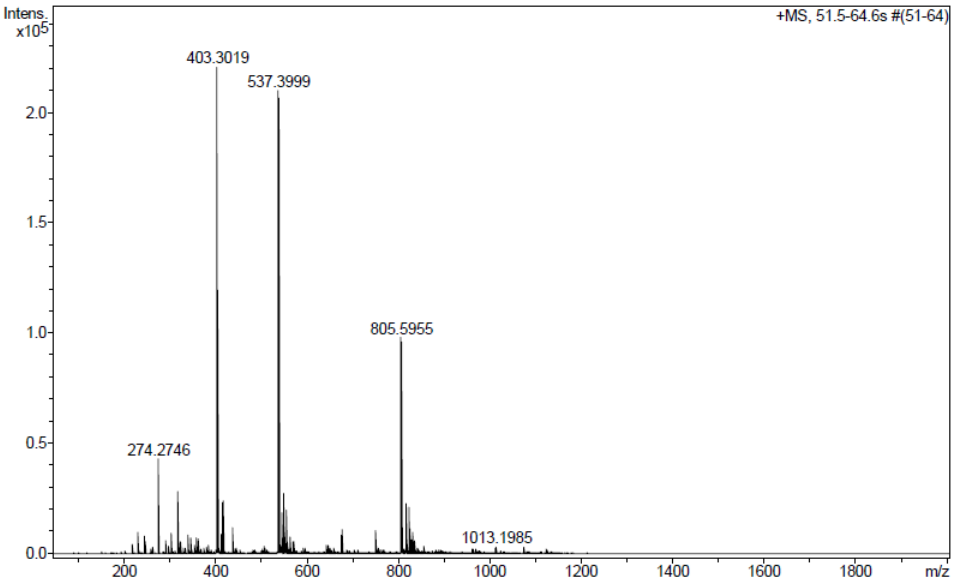


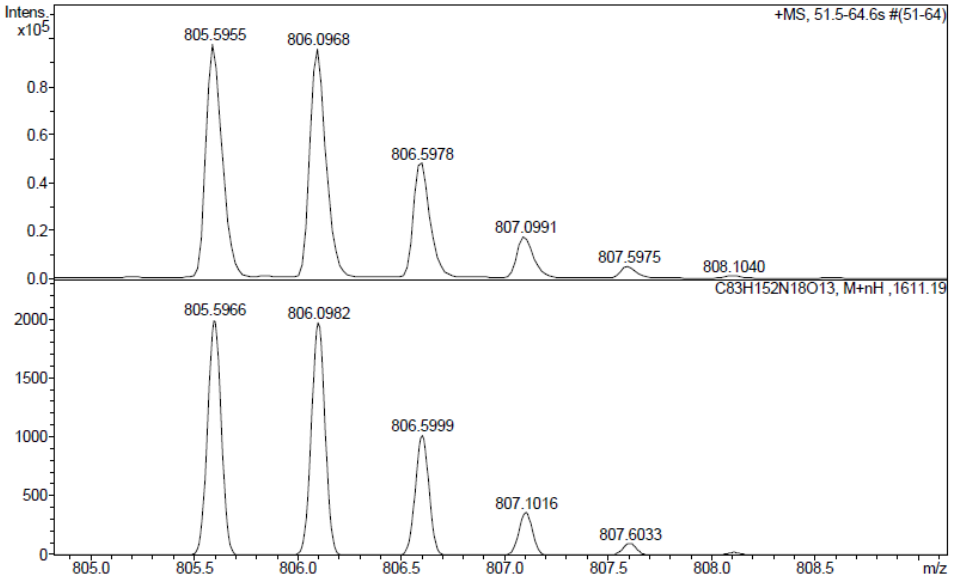
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,77	281,578	23,709	100,00
Total:		281,578	23,709	100,00

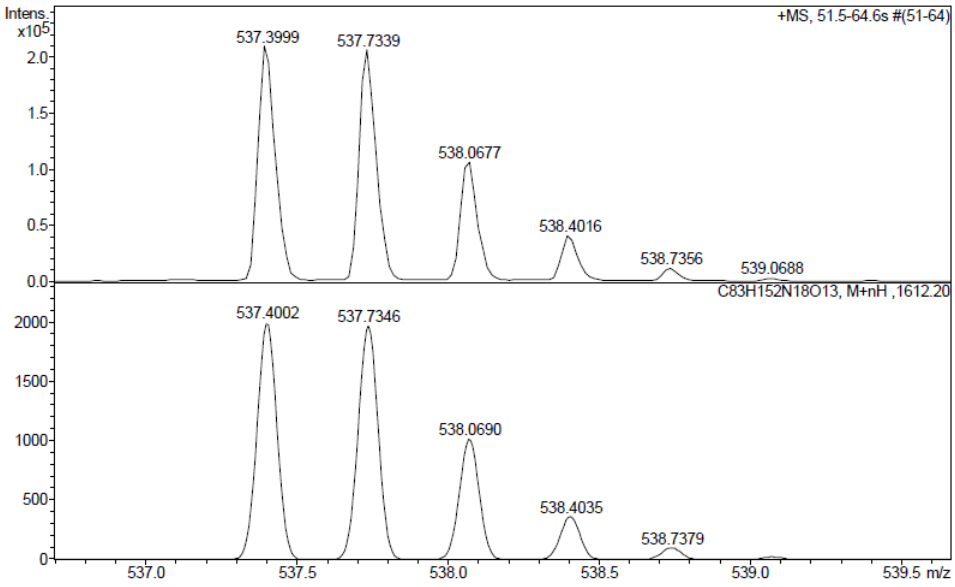
ESI-MS (*m/z*)

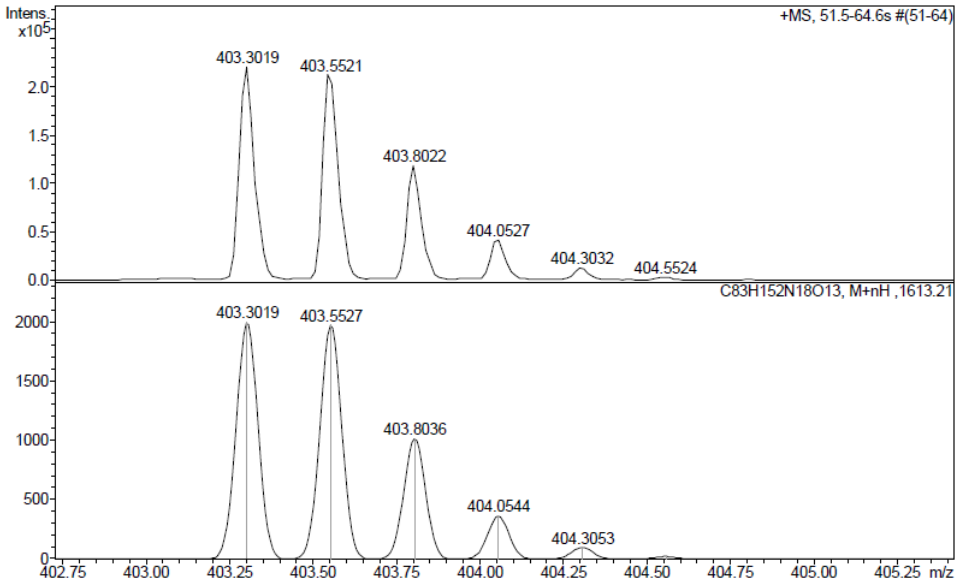


HRMS (*m/z*)

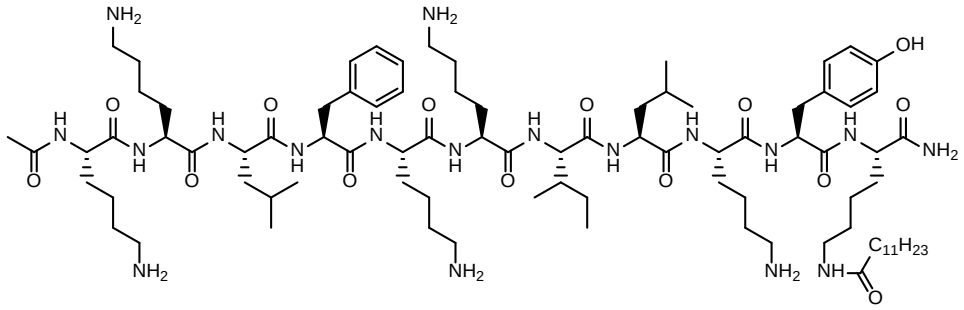

Intens.
x10^5
+MS, 51.5-64.6s #(51-64)
403.3019
537.3999
805.5955
274.2746
1013.1985
m/z


Intens.
x10^5
+MS, 51.5-64.6s #(51-64)
805.5955
806.0968
806.5978
807.0991
807.5975
808.1040
C83H152N18O13, M+nH ,1611.19
805.5966
806.0982
806.5999
807.1016
807.6033
m/z

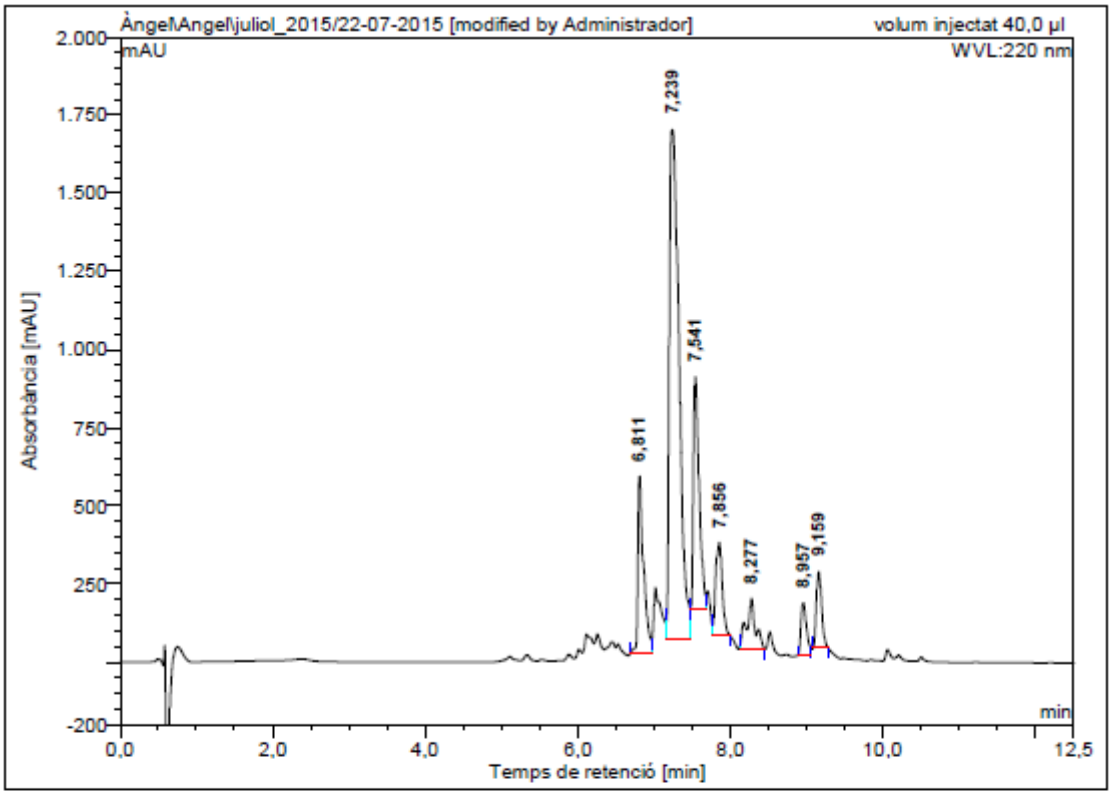

Intens.
x10^5
+MS, 51.5-64.6s #(51-64)
537.3999
537.7339
538.0677
538.4016
538.7356
539.0688
C83H152N18O13, M+nH ,1612.20
537.4002
537.7346
538.0690
538.4035
538.7379
m/z


Intens.
x10^5
+MS, 51.5-64.6s #(51-64)
403.3019
403.5521
403.8022
404.0527
404.3032
404.5524
C83H152N18O13, M+nH ,1613.21
403.3019
403.5527
403.8036
404.0544
404.3053
m/z

Ac-Lys-Lys-Leu-Phe-Lys-Lys-Ile-Leu-Lys-Tyr-Lys($COC_{11}H_{23}$)-NH_2 (BP402)

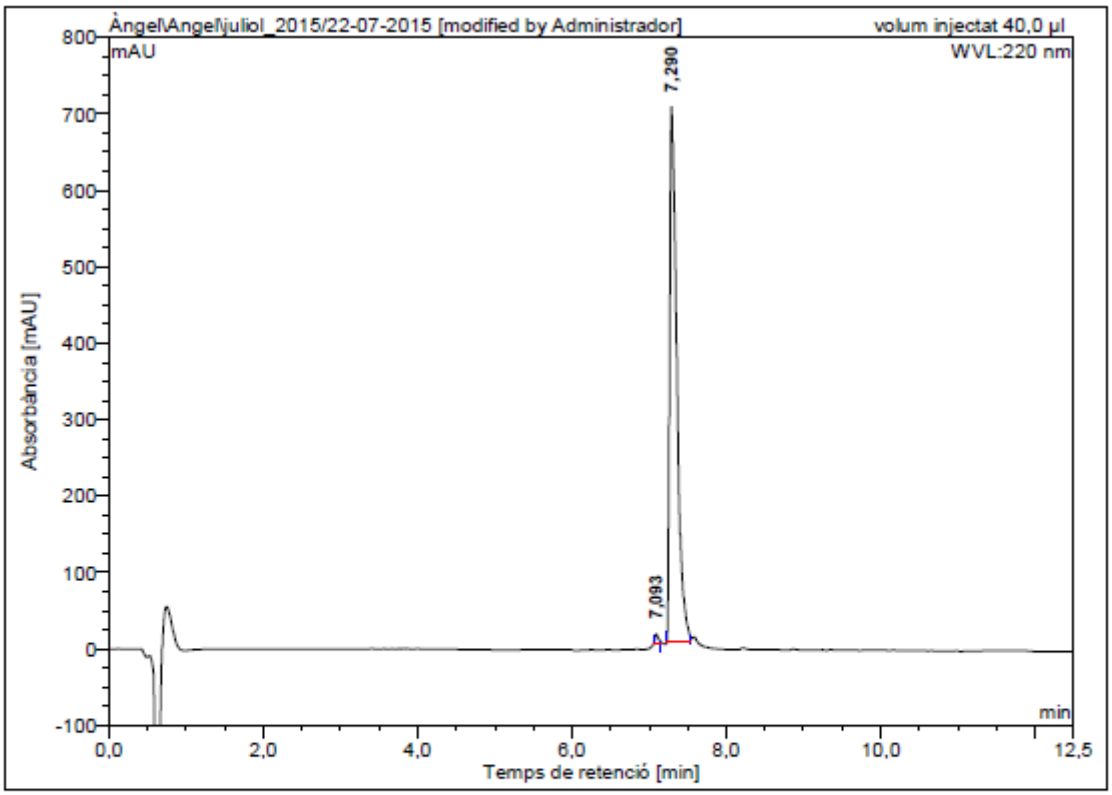


HPLC of crude peptide (λ=220 nm)



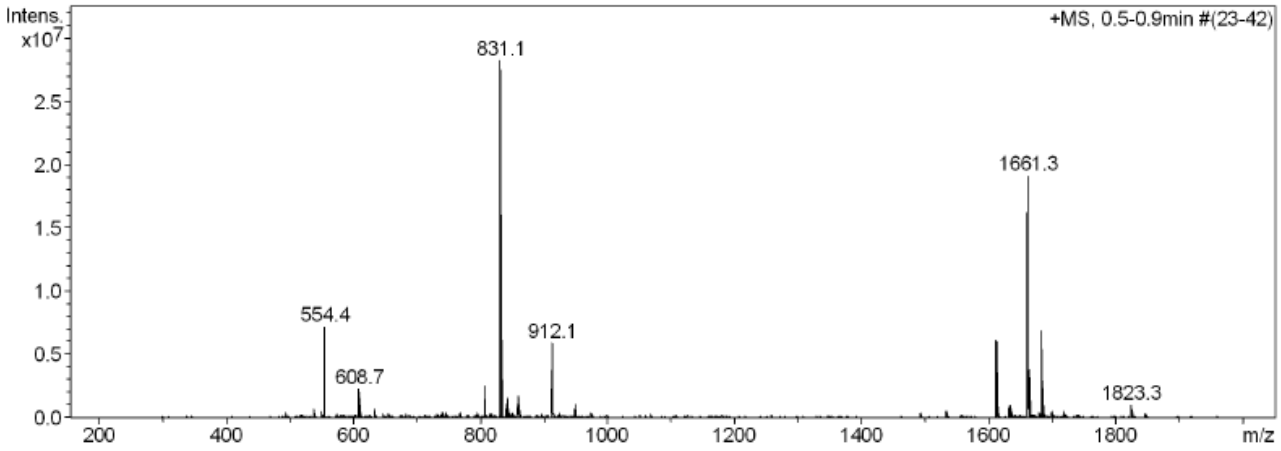
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	6,81	566,169	49,463	11,20
2	7,24	1628,606	241,328	54,65
3	7,54	739,921	65,463	14,82
4	7,86	294,068	29,598	6,70
5	8,28	160,723	21,558	4,88
6	8,96	169,549	14,511	3,29
7	9,16	241,635	19,678	4,46
Total:		3800,670	441,600	100,00

HPLC of purified peptide (λ=220 nm)

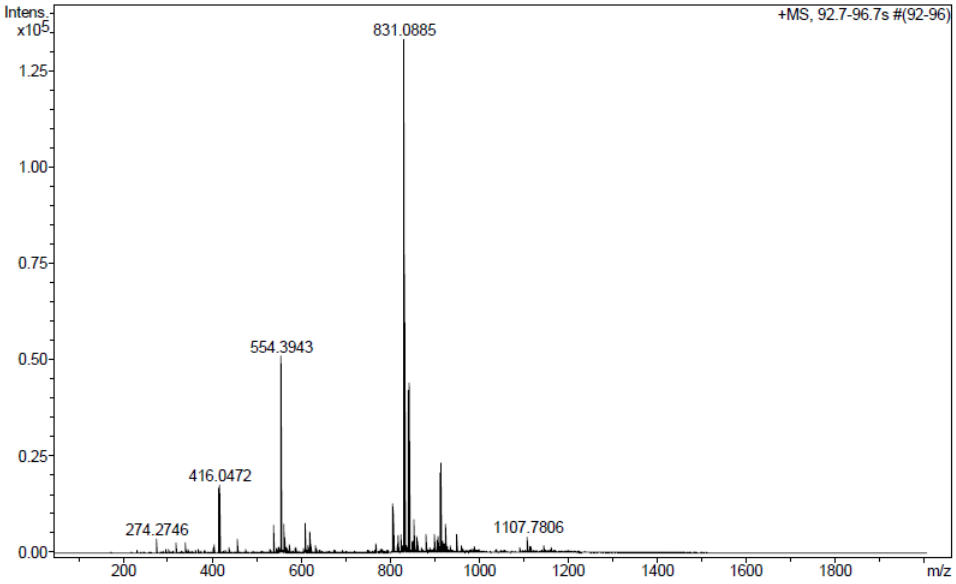


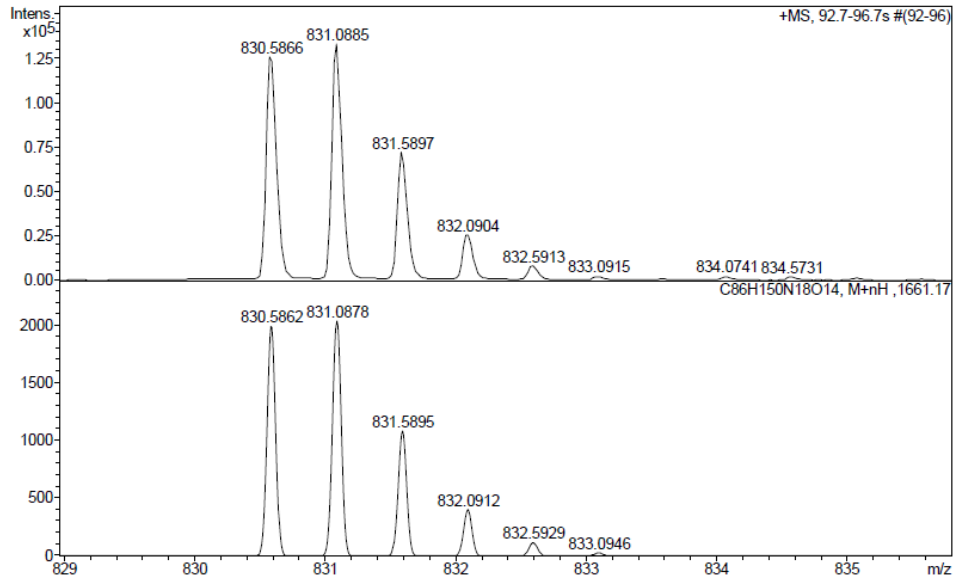
No.	Ret.Time (detected) min	Height mAU	Area mAU*min	Rel.Area %
1	7,09	13,668	0,753	1,00
2	7,29	698,961	74,585	99,00
Total:		712,628	75,339	100,00

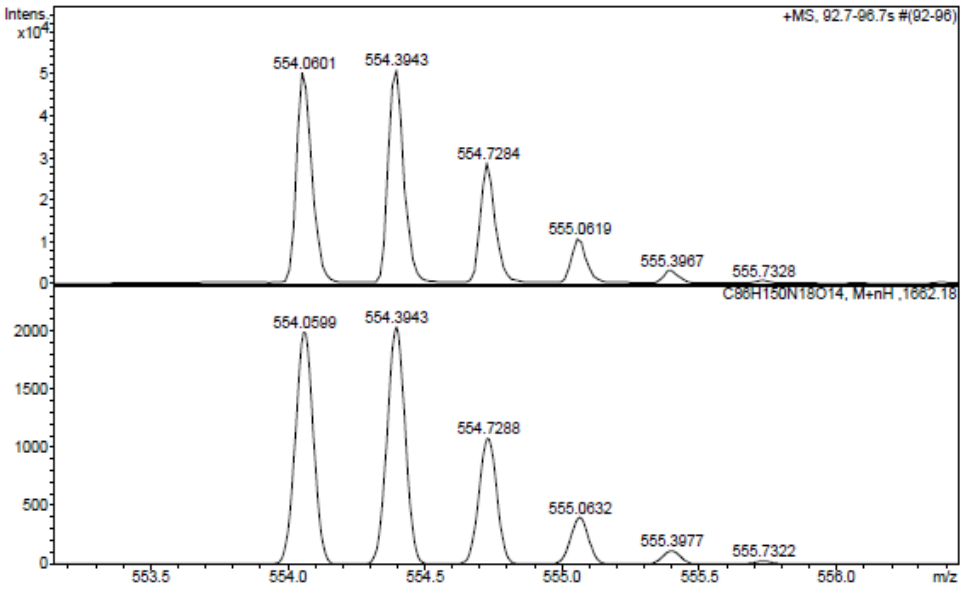
ESI-MS (*m/z*)

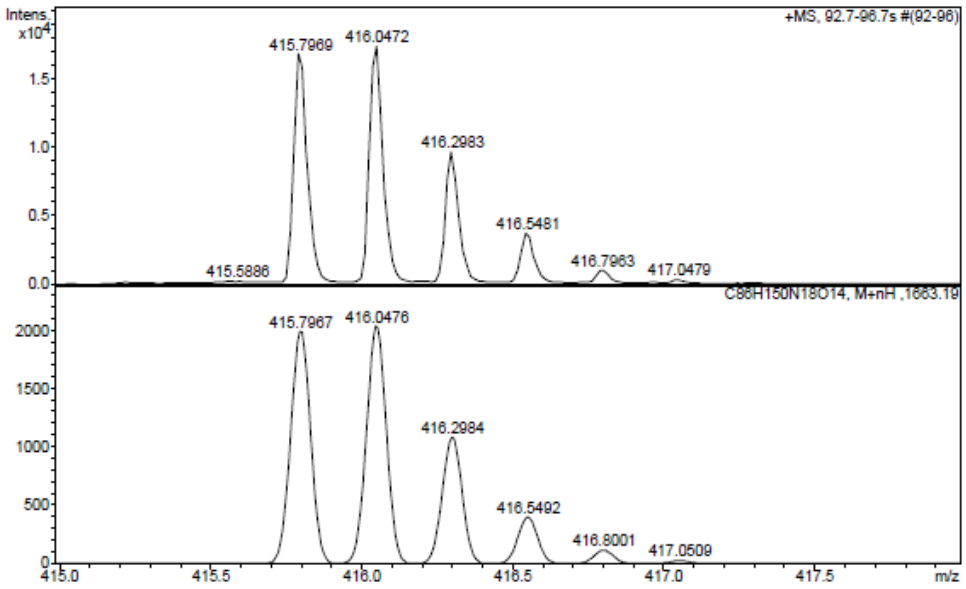


HRMS (*m/z*)


Intens.
x10^5
+MS, 92.7-96.7s #(92-96)
831.0885
554.3943
416.0472
274.2746
1107.7806
m/z


Intens.
x10^5
+MS, 92.7-96.7s #(92-96)
830.5866
831.0885
831.5897
832.0904
832.5913
833.0915
834.0741
834.5731
C86H150N18O14, M+nH ,1661.17
830.5862
831.0878
831.5895
832.0912
832.5929
833.0946
m/z


Intens.
x10^4
+MS, 92.7-96.7s #(92-96)
554.0601
554.3943
554.7284
555.0619
555.3967
555.7328
C88H150N18O14, M+nH ,1662.18
554.0599
554.3943
554.7288
555.0632
555.3977
555.7322
m/z


Intens.
x10^4
+MS, 92.7-96.7s #(82-96)
415.7969
416.0472
416.2983
416.5481
416.7963
417.0479
415.5886
C88H150N18O14, M+nH, 1663.19
415.7967
416.0476
416.2984
416.5492
416.8001
417.0509
m/z