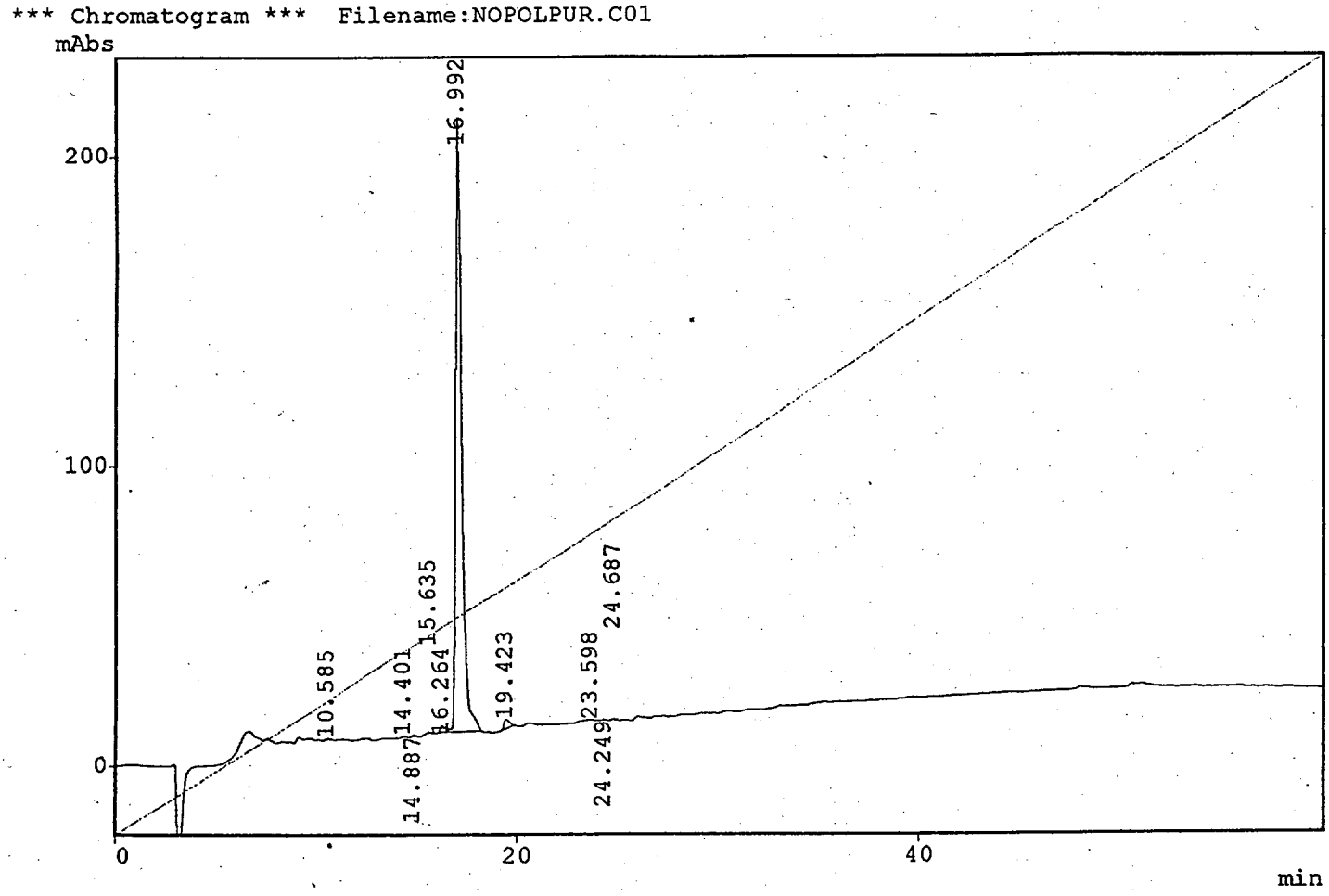
Figure S1

RP-HPLC purified peptide **4**

Experimental conditions : C18 Vydac column, buffers A and B
0-100% B in 60 min, 1 mL/min, 25°C
detection at 215 nm



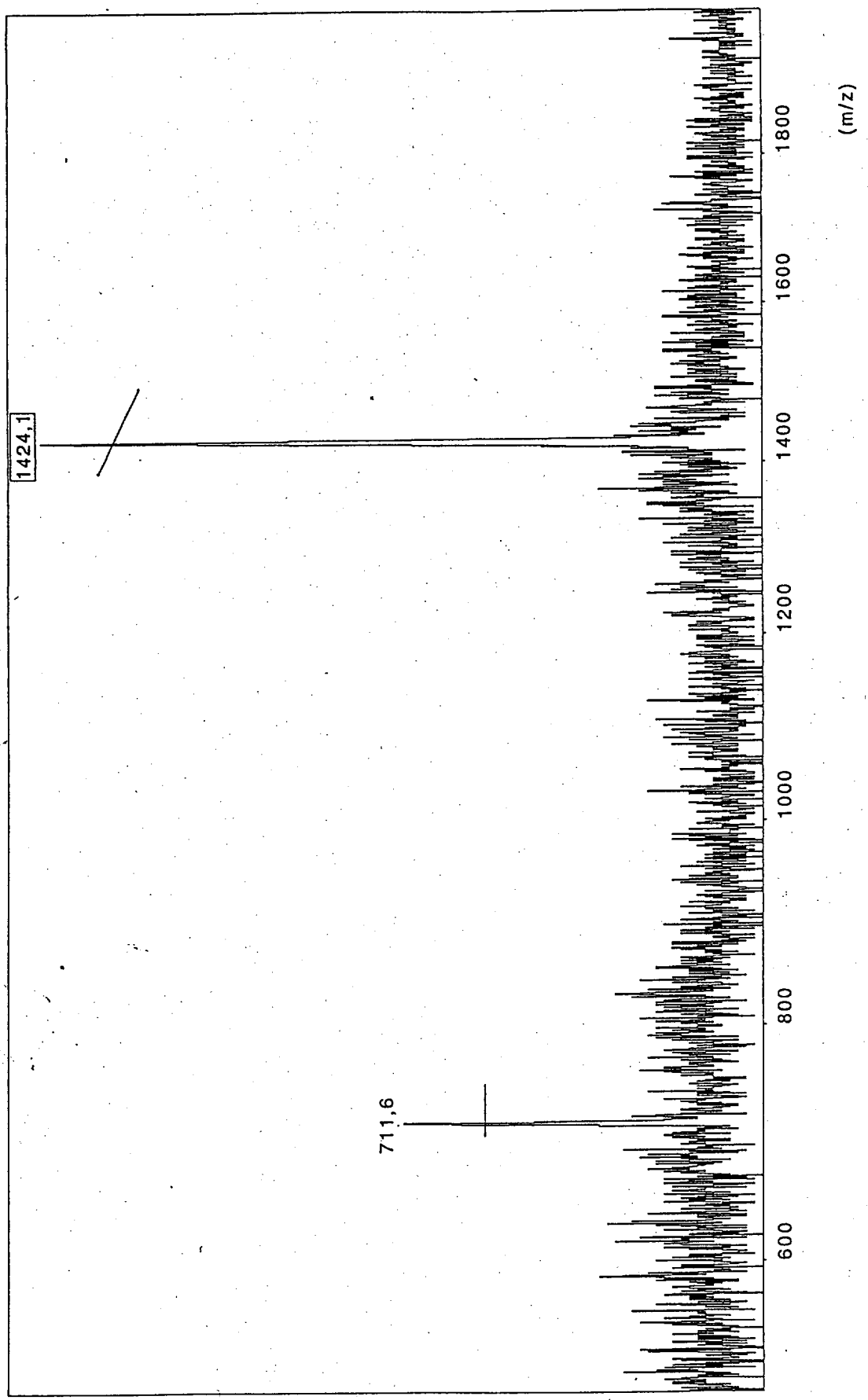
*** Peak Report ***

PKNO	TIME	AREA	HEIGHT	CONC
1	10.585	13001	796	0.2981
2	14.401	11602	728	0.2660
3	14.887	14375	978	0.3296
4	15.635	1740	157	0.0399
5	16.264	44264	2670	1.0149
6	16.992	4193116	201689	96.1380
7	19.423	72681	3423	1.6664
8	23.598	2848	223	0.0653
9	24.249	2022	205	0.0464
10	24.687	5910	341	0.1355
		4361559	211210	100.0000

<T=mporary> 9 - 1/1 99/09/23 09:55:03

Figure S2

PDMS-TOF spectrum of purified peptide **4**



ES-MS spectrum of purified peptide **4**

Figure S3

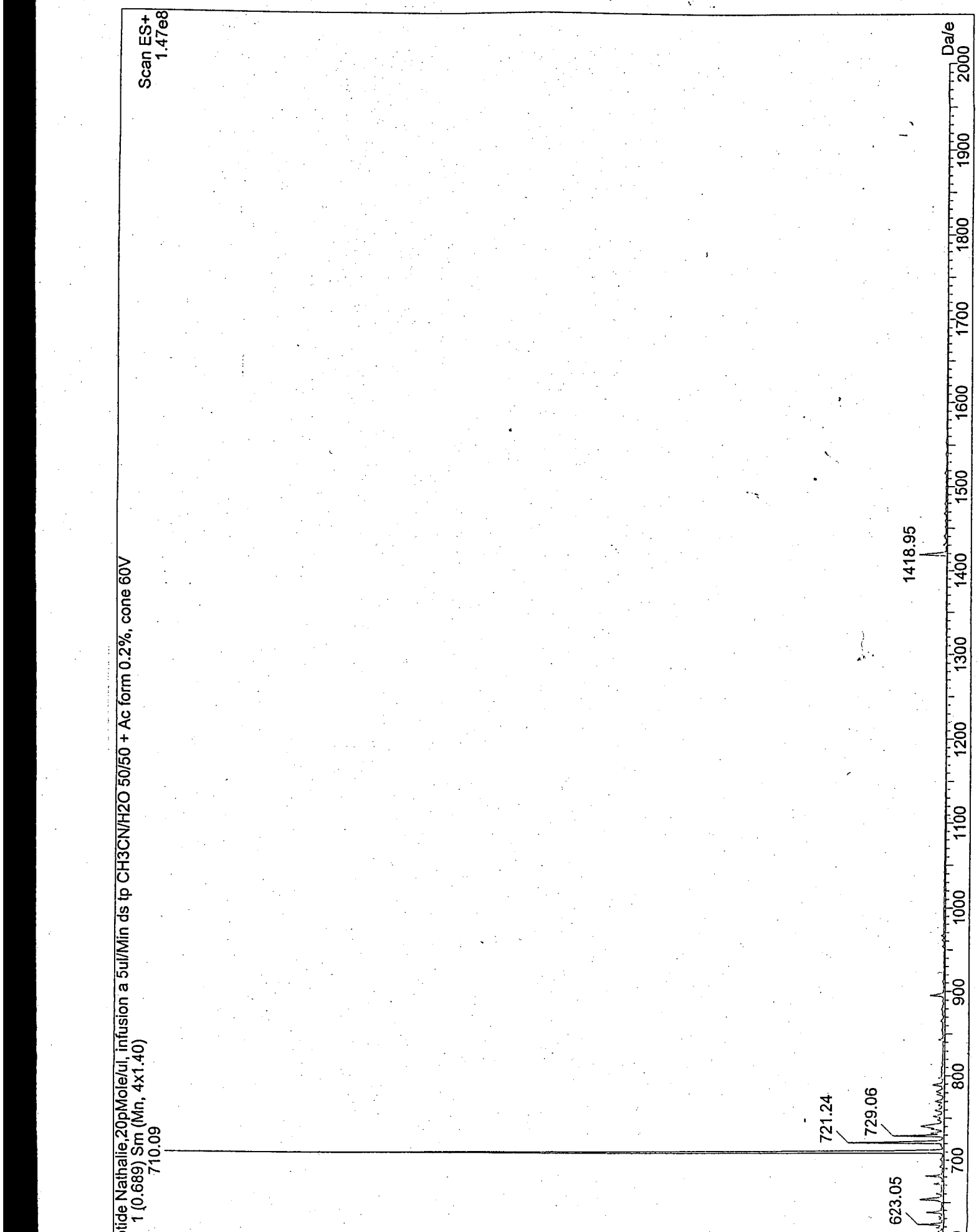
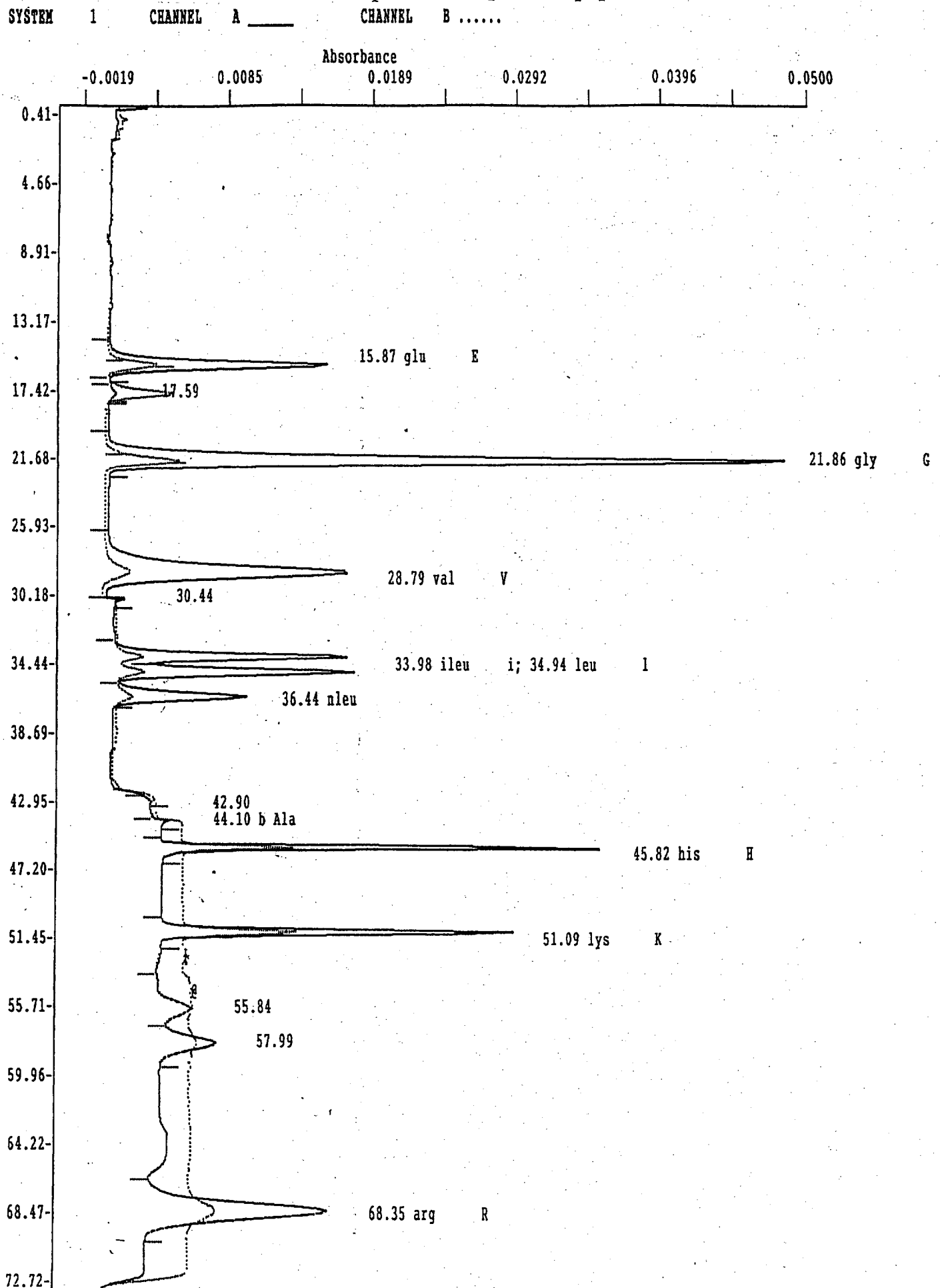


Figure S4

Amino acid composition of purified peptide **4**



Amino acid composition of purified peptide **4**

Peak Number	Component Name		Retention Time	nombre de picomoles	Peak Area	Base Code	Response Factor	Normalized Concentration
	asp	D	9.54					
	thr	T	11.28					
	ser	S	12.19					
1	glu	E	15.87	2465.551	9.527	BCB	258.786	8.167
2	gly	G	21.86	6493.265	30.072	BCB	215.924	21.508
	ala	A	23.30					
	cys	C	25.63					
3	val	V	28.79	4384.283	16.649	BCB	263.335	14.522
	met	M	31.32					
4	ileu	i	33.98	2091.008	8.334	BCV	250.908	6.926
5	leu	l	34.94	2219.290	8.951	VCV	247.926	7.351
6	nleu		36.44	1094.507	5.479	VCI	199.770	3.626
	tyr	Y	37.91					
	phe	F	39.68					
7	b Ala		44.10	2763.944	0.321	BCB	8611.516	9.155
8	his	H	45.82	2067.876	8.462	BCB	244.366	6.849
9	lys	K	51.09	2200.939	9.821	BCB	224.114	7.291
10	arg	R	68.35	4409.331	15.524	BCB	284.026	14.605
TOTALS				30189.996	113.141			100.000

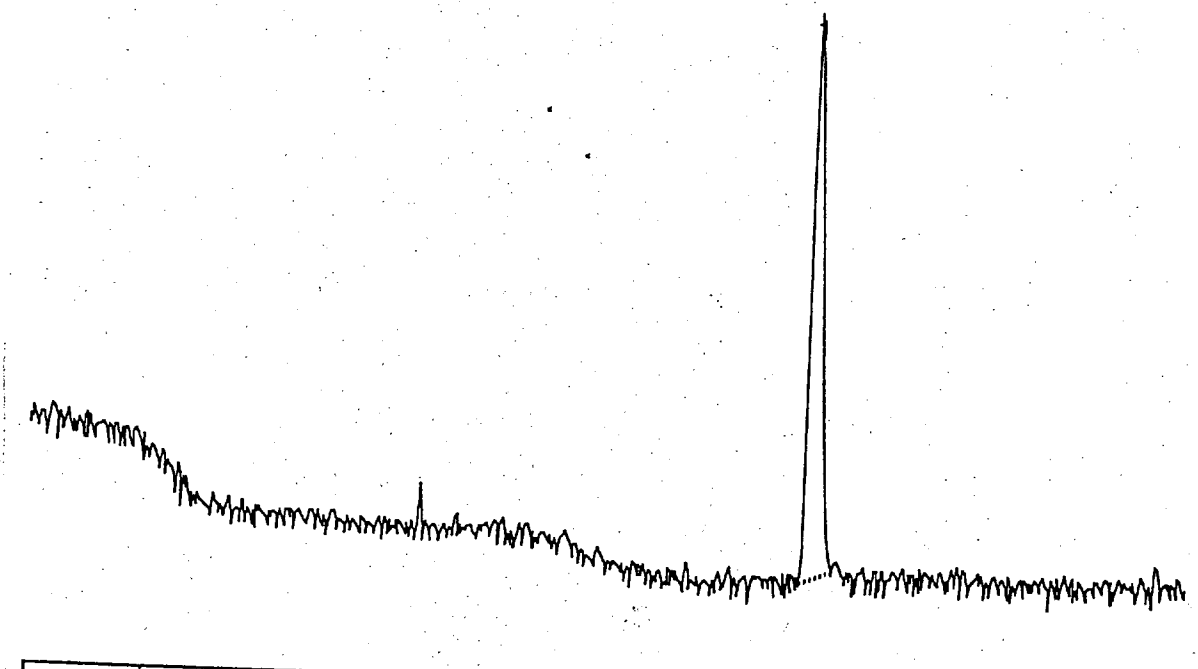
Pro

2188,119

Figure S6

CZE purified peptide **4**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 45°C.



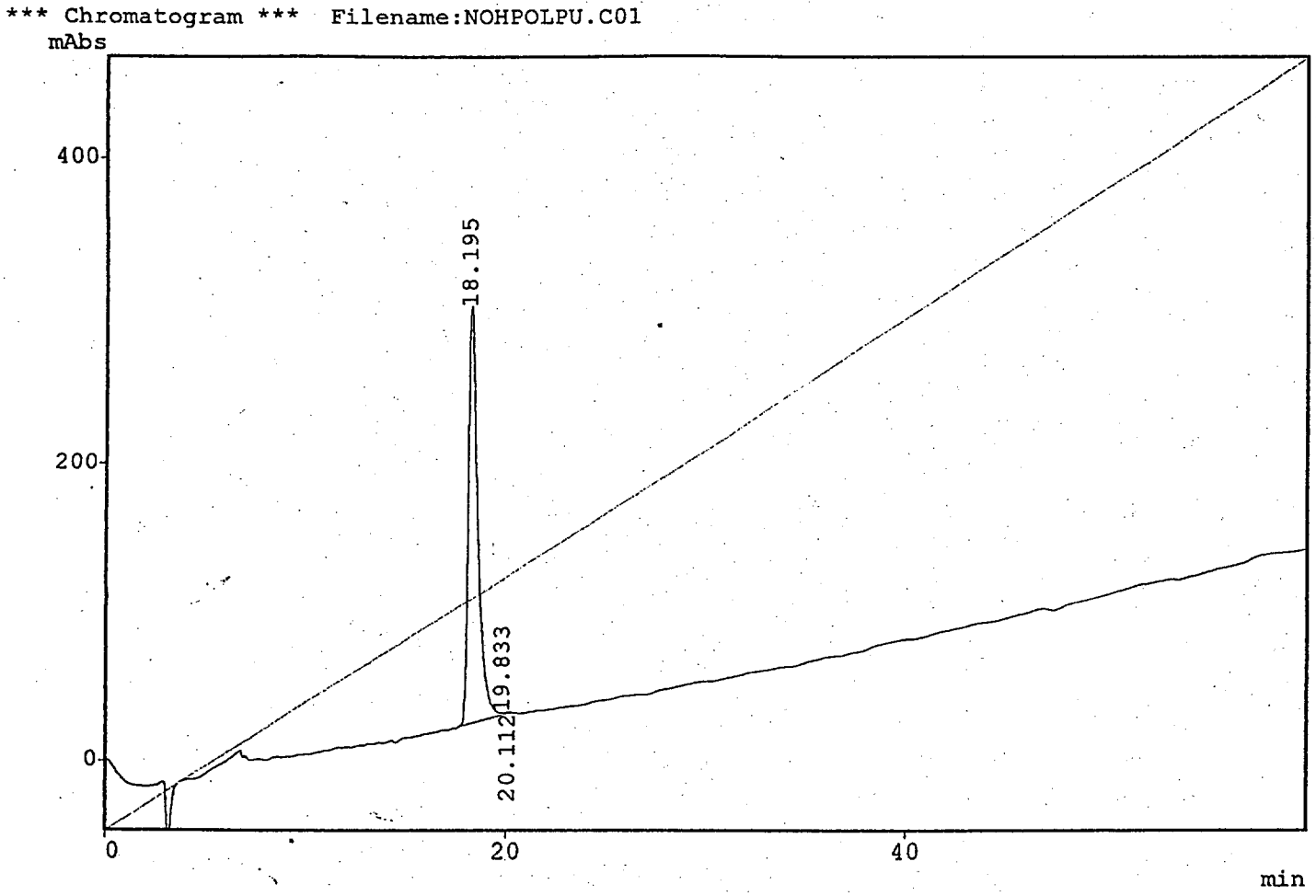
Analysis: Channel A

Peak No.	Time	Type	Height(µV)	Area(µV-sec)	Area%
1	6.730	N	15904	87390	100.000
Total Area				87390	100.000

Figure S7

RP-HPLC purified peptide **5**

Experimental conditions : C18 Vydac column, buffers A and C
0-100% C in 60 min, 1 mL/min, 25°C
detection at 215 nm

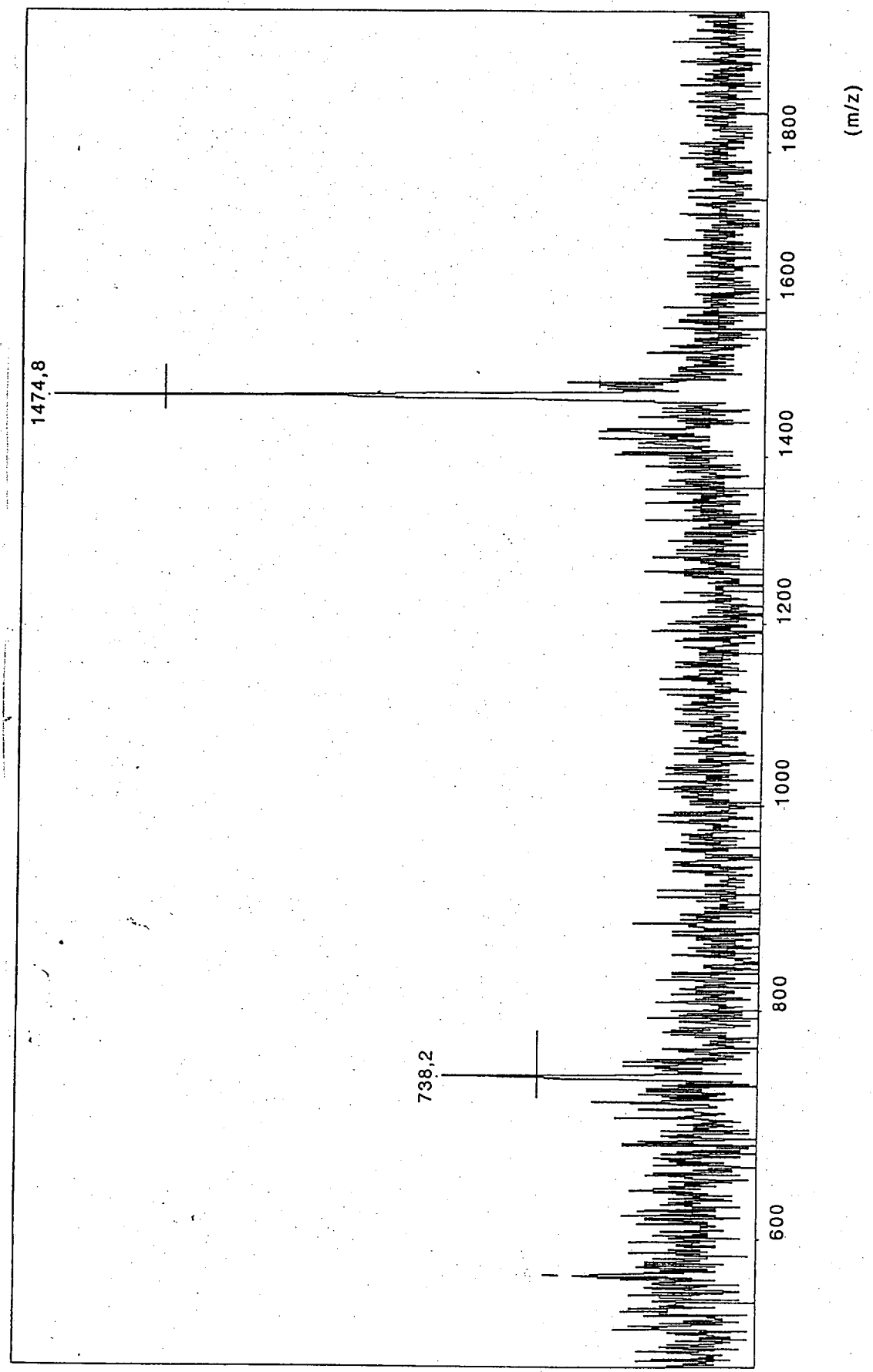


*** Peak Report ***

PKNO	TIME	AREA	HEIGHT	CONC
1	18.195	9283183	278765	99.9195
2	19.833	3284	260	0.0354
3	20.112	4191	321	0.0451
		9290659	279345	100.0000

Figure S8

PDMS-TOF spectrum of purified peptide **5**



ES-MS spectrum of purified peptide **5**

Figure S9

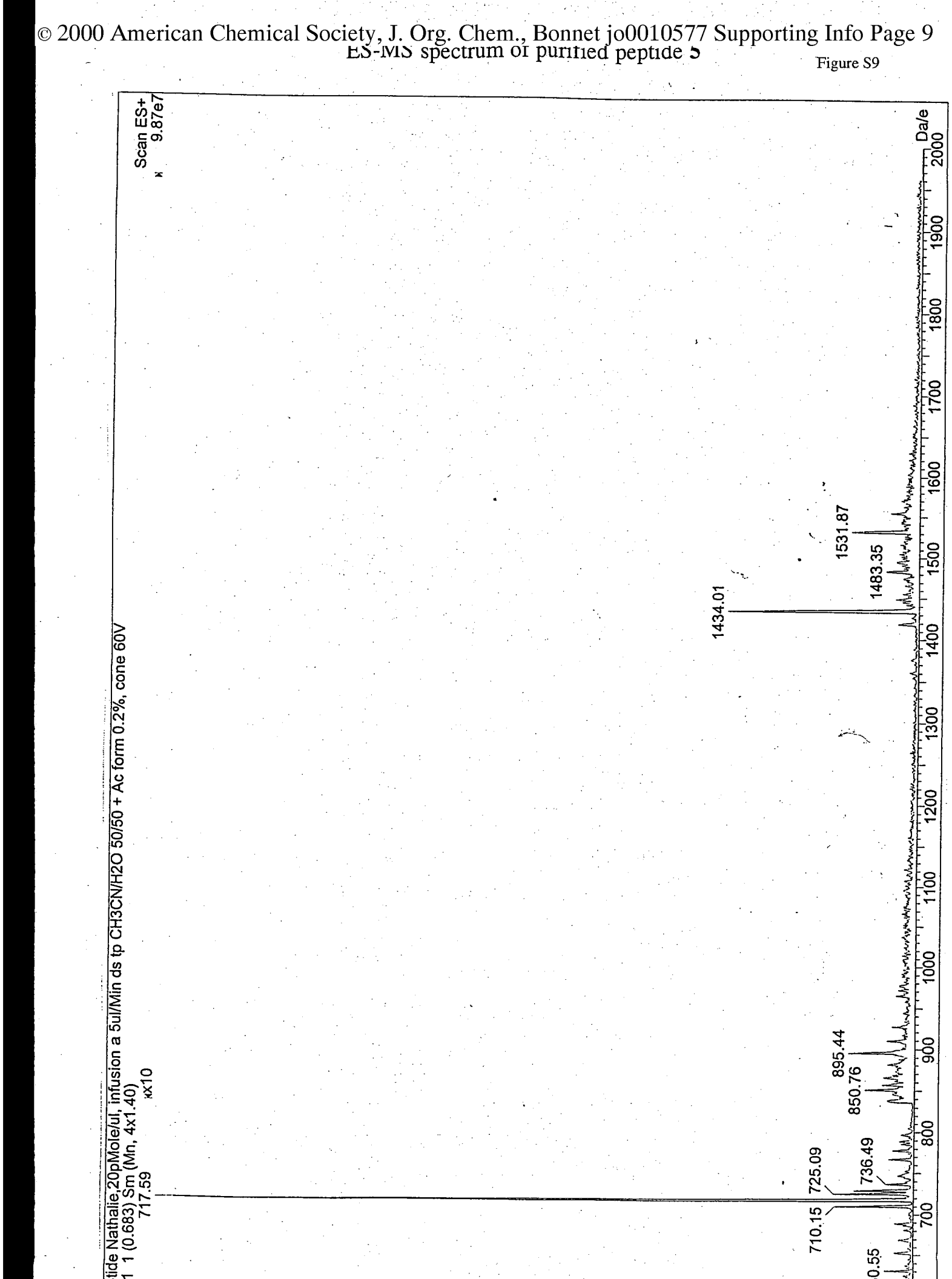
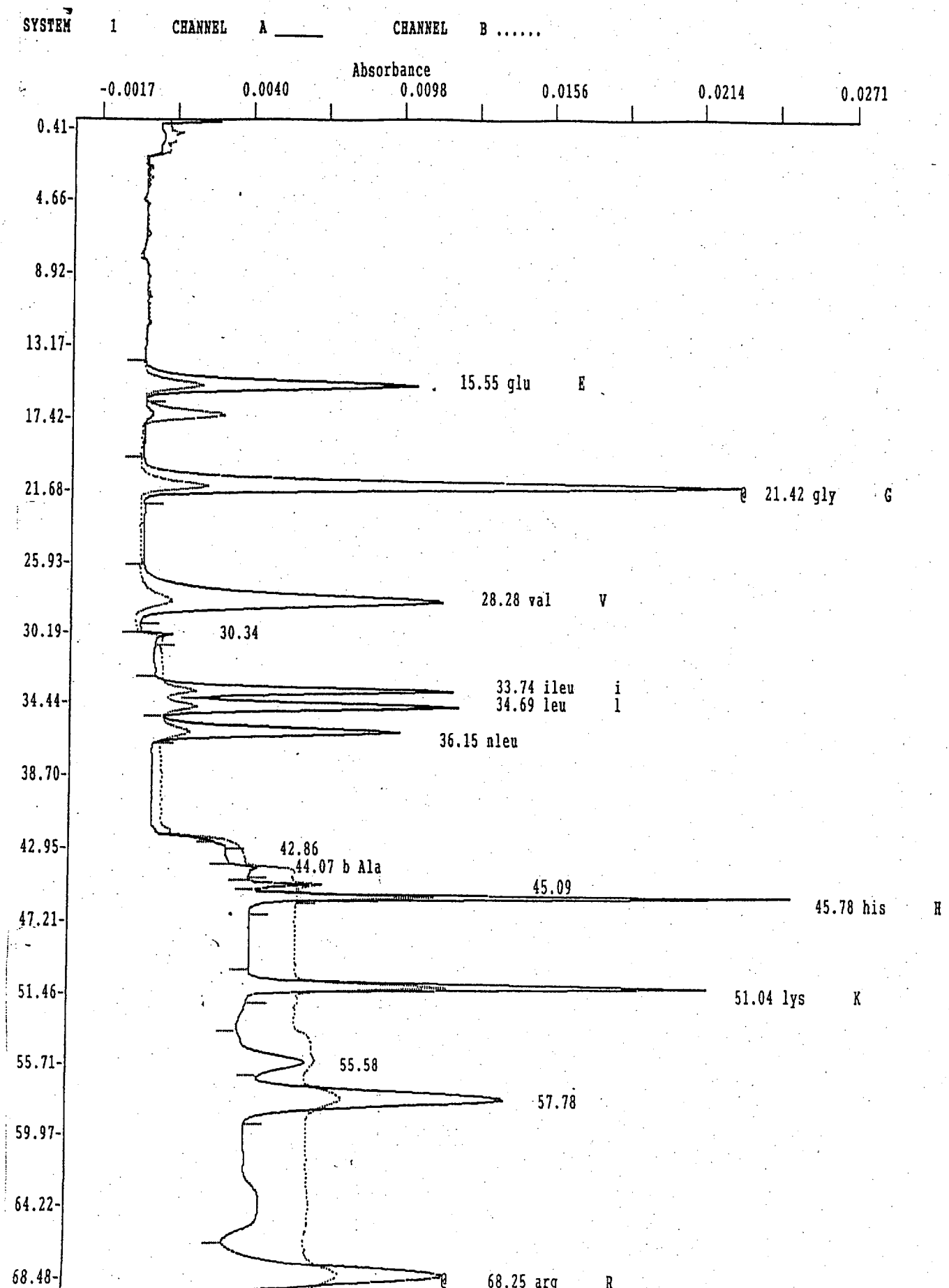


Figure S10

Amino acid composition of purified peptide **5**



Amino acid composition of purified peptide **5**

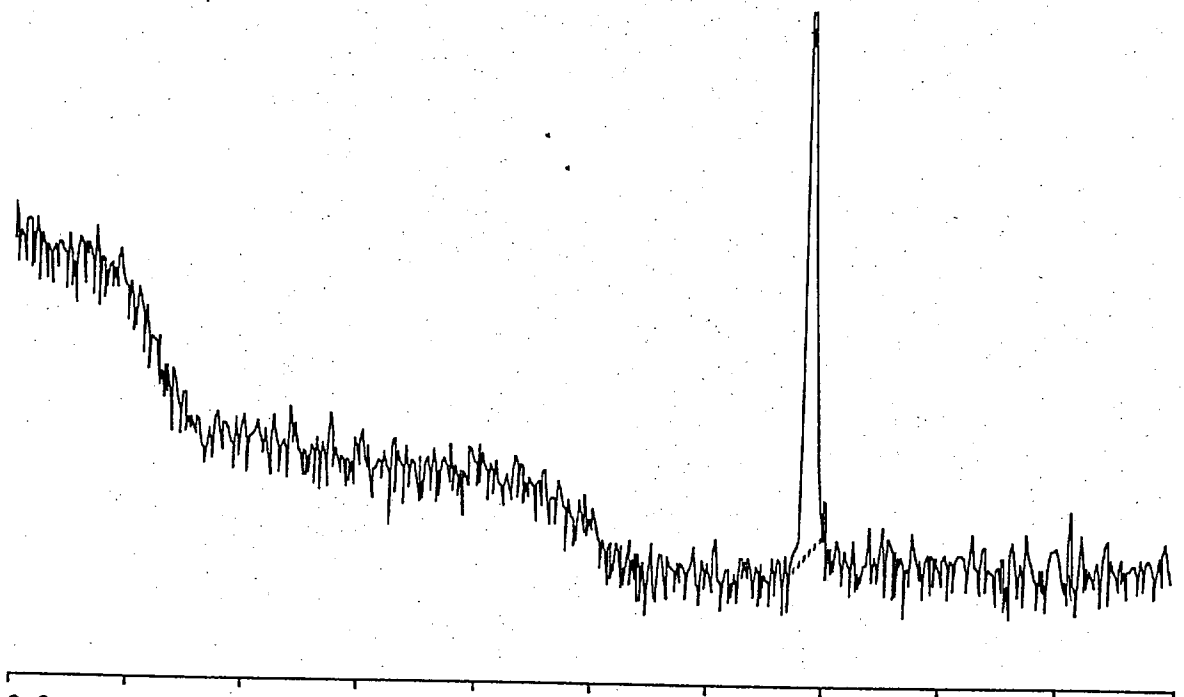
Peak Number	Component Name		Retention Time	nombre de picomoles	Peak Area	Base Code	Response Factor	Normalized Concentration
	asp	D	9.54					
	thr	T	11.28					
	ser	S	12.19					
1	glu	E	15.55	1623.119	6.272	BCB	258.786	8.154
2	gly	G	21.42	2937.488	13.604	BCB	215.924	14.757
	ala	A	23.30					
	cys	C	25.63					
3	val	V	28.28	2906.253	11.036	BCB	263.335	14.601
	met	M	31.32					
4	ileu	i	33.74	1391.452	5.546	BCV	250.908	6.990
5	leu	l	34.69	1471.420	5.935	VCV	247.926	7.392
6	nleu		36.15	1078.960	5.401	VCI	199.770	5.420
	tyr	Y	37.91					
	phe	F	39.68					
7	b Ala		44.07	2841.793	0.330	BCB	8611.516	14.277
8	his	H	45.78	1265.178	5.177	VCB	244.366	6.356
9	lys	K	51.04	1479.231	6.600	BCB	224.114	7.431
10	arg	R	68.25	2910.566	10.248	BCB	284.026	14.622
TOTALS				19905.461	70.150			100.000

Pro 1485, OBS

Figure S12

CZE purified peptide **5**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 45°C.



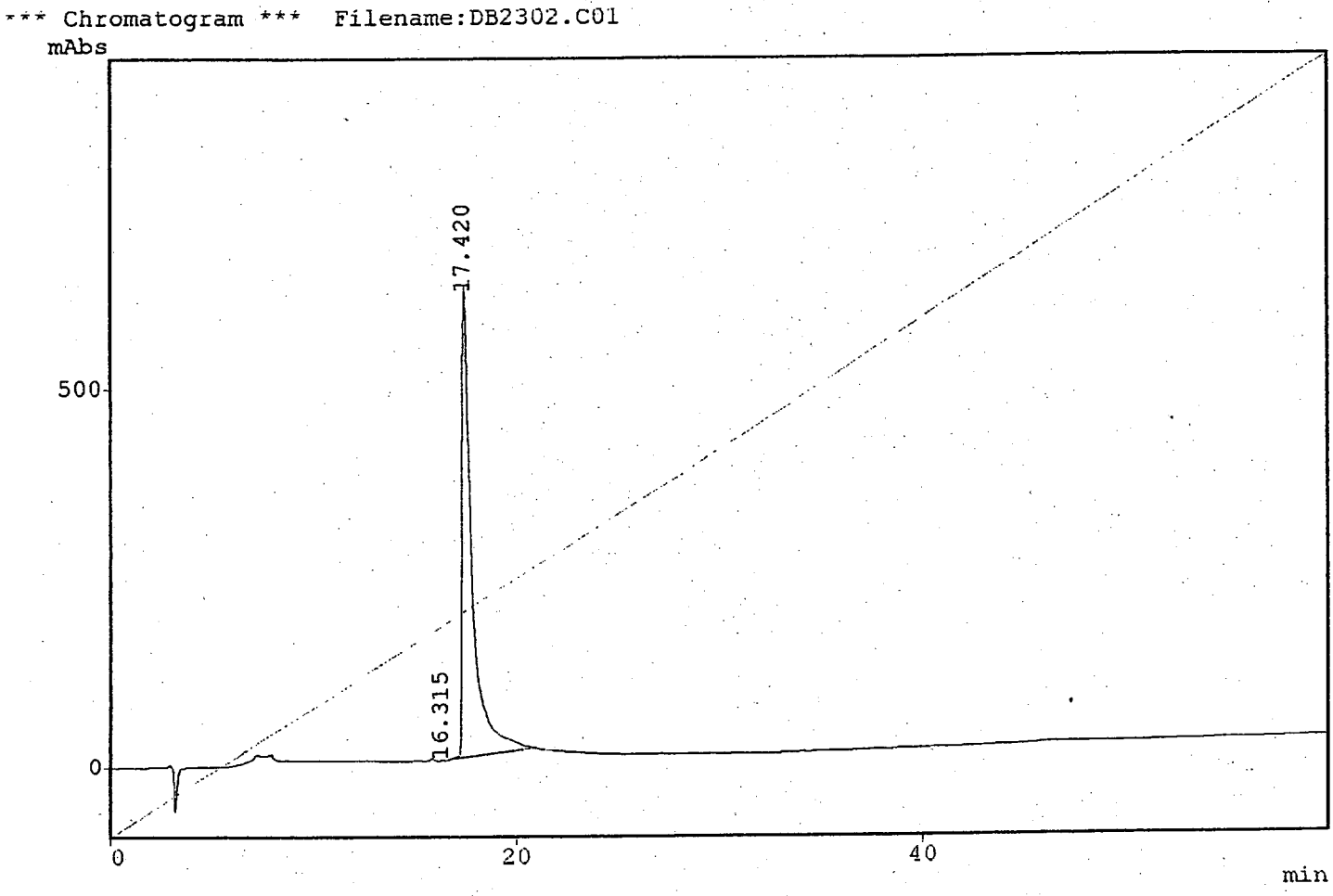
Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
1	6.860	N	6981	33108	98.614
	9.115	N	838	465	1.385
Total Area				33573	99.999

Figure S13

RP-HPLC purified peptide **6**

Experimental conditions : C18 Vydac column, buffers A and C
0-100% C in 60 min, 1 mL/min, 50°C
detection at 215 nm



*** Peak Report ***

PKNO	TIME	AREA	HEIGHT	CONC
1	16.315	2054	200	0.0097
2	17.420	21185647	621705	99.9903
		21187701	621905	100.0000

Figure S14

Amino acid composition of purified peptide **6**

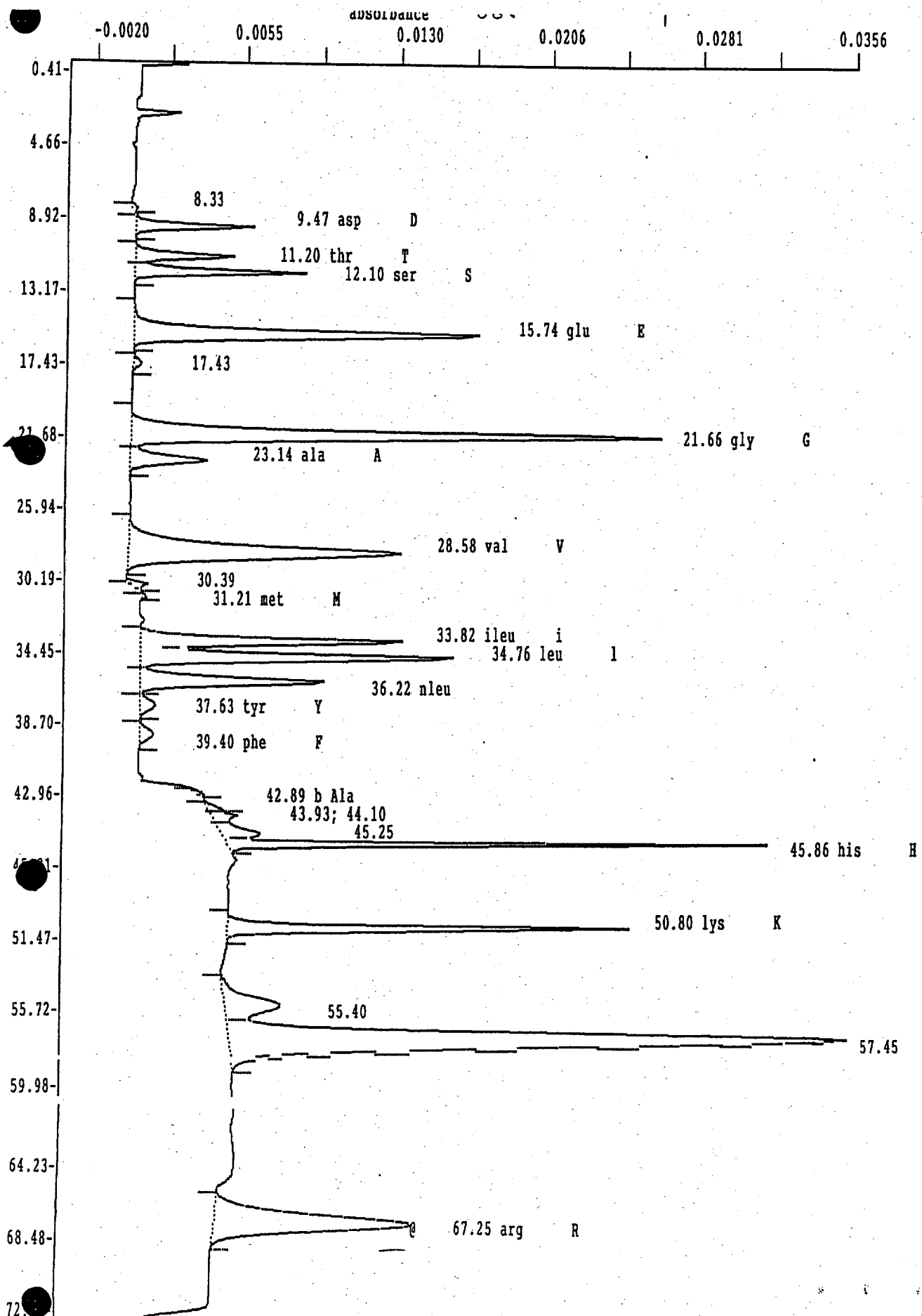


Figure S15

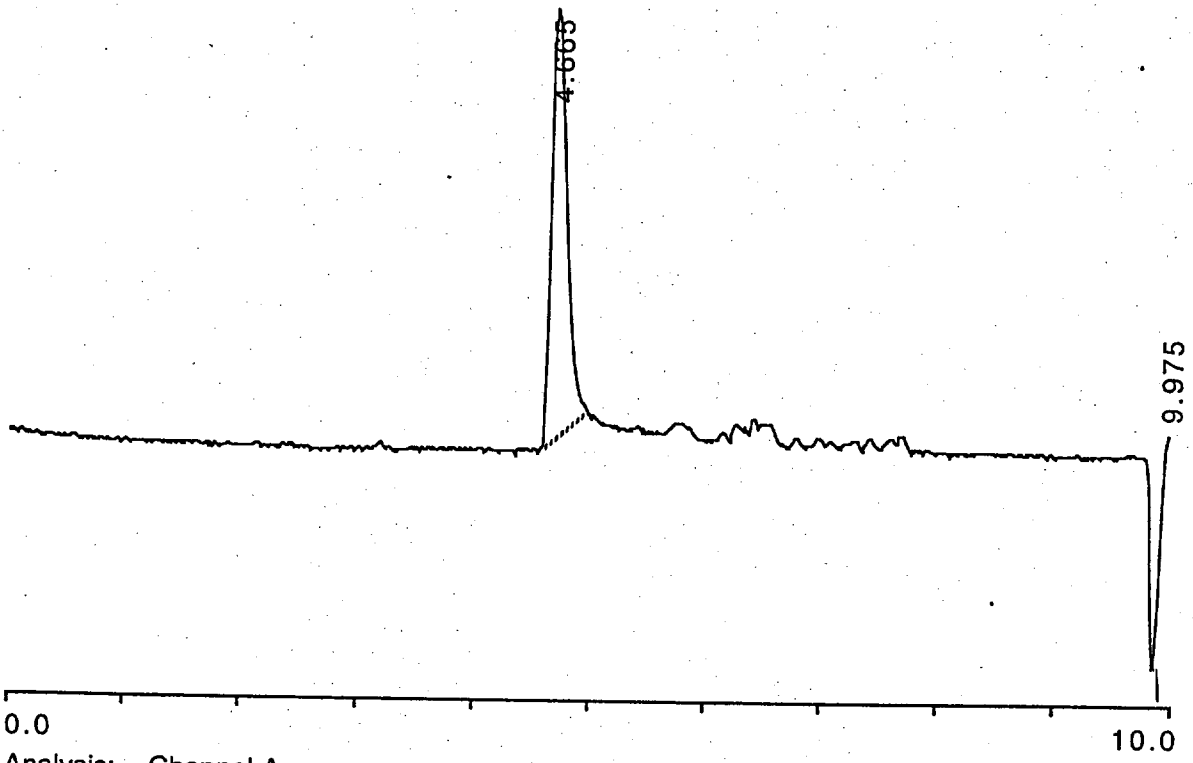
Amino acid composition of purified peptide **6**

Peak Number	Component Name		Retention Time	nombre de picomoles	Peak Area	Base Code	Response Factor	Normalized Concentration
1	asp	D	9.47	573.440	2.110	BCB	271.783	2.311
2	thr	T	11.20	513.967	1.969	BCV	261.072	2.071
3	ser	S	12.10	798.047	3.141	VCB	254.100	3.216
4	glu	E	15.74	2772.070	10.372	BCB	267.256	11.170
5	gly	G	21.66	3292.823	15.047	BCV	218.831	13.270
6	ala	A	23.14	613.671	2.294	VCB	267.497	2.473
	cys	C	25.42					
7	val	V	28.58	3447.722	12.359	BCB	278.968	13.893
8	met	M	31.21	22.137	0.065	BCB	339.544	0.089
9	ileu	i	33.82	1626.203	6.143	BCV	264.704	6.553
10	leu	l	34.76	2048.571	7.984	VCV	256.587	8.255
11	nleu		36.22	1090.808	5.257	VCB	207.499	4.396
12	tyr	Y	37.63	155.335	0.562	BCB	276.380	0.626
13	phe	F	39.40	144.953	0.497	BCB	291.394	0.584
14	b Ala		42.89	1141.766	0.070	BCB	16393.785	4.601
15	his	H	45.86	1496.789	5.912	VCB	253.199	6.032
16	lys	K	50.80	1663.948	7.101	BCB	234.319	6.705
17	arg	R	67.25	3413.429	11.168	BCB	305.657	13.755
TOTALS				24815.678	92.051			100.000

Figure S16

CZE purified peptide **6**

Expérimental condidtions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 50°C.



Analysis: Channel A

Peak No.	Time	Type	Height(µV)	Area(µV-sec)	Area%
1	4.665	N	14694	115893	77.799
2	9.975	X	7572	33071	22.200
Total Area				148964	99.999

ES-MS spectrum of purified peptide **6** Figure S17

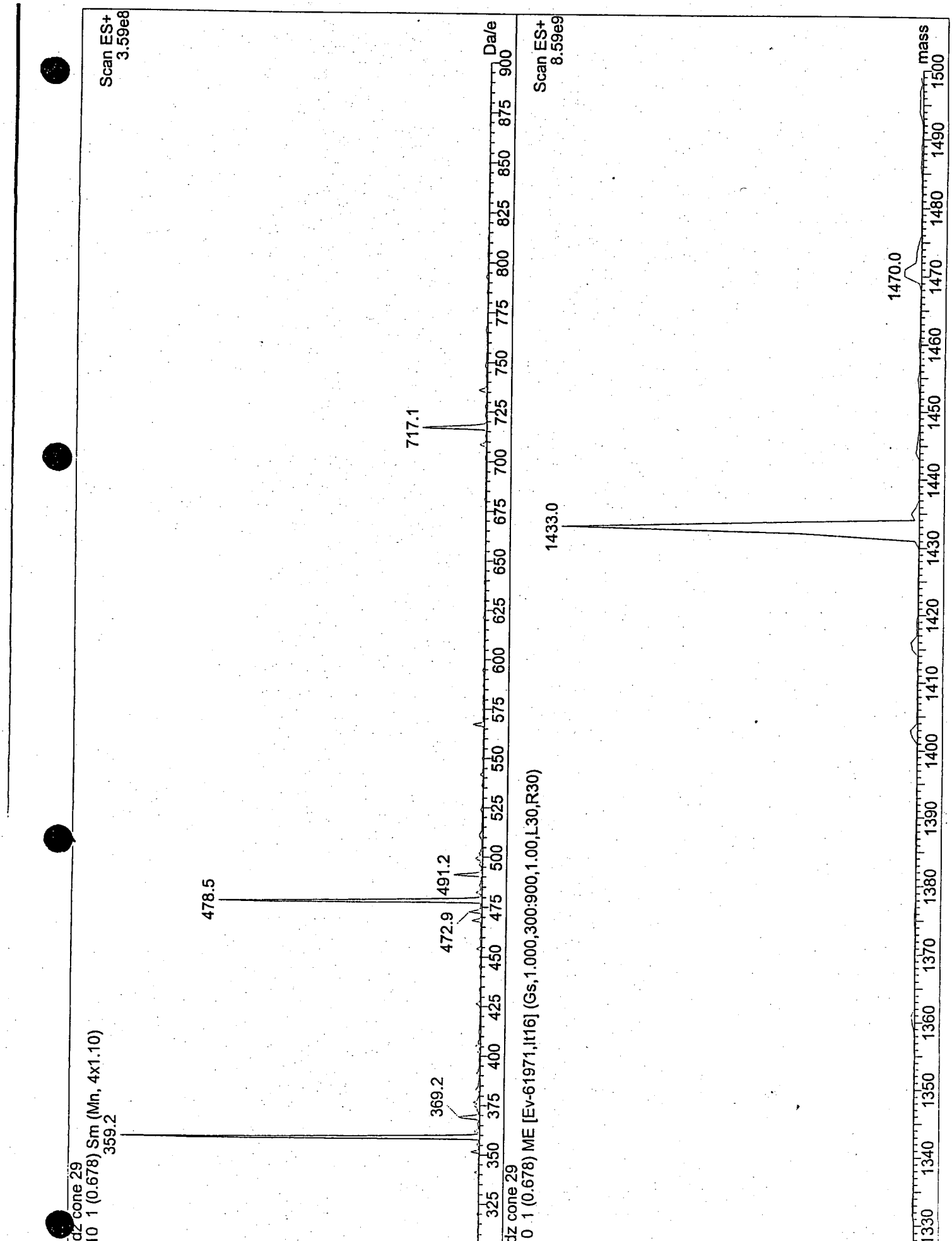
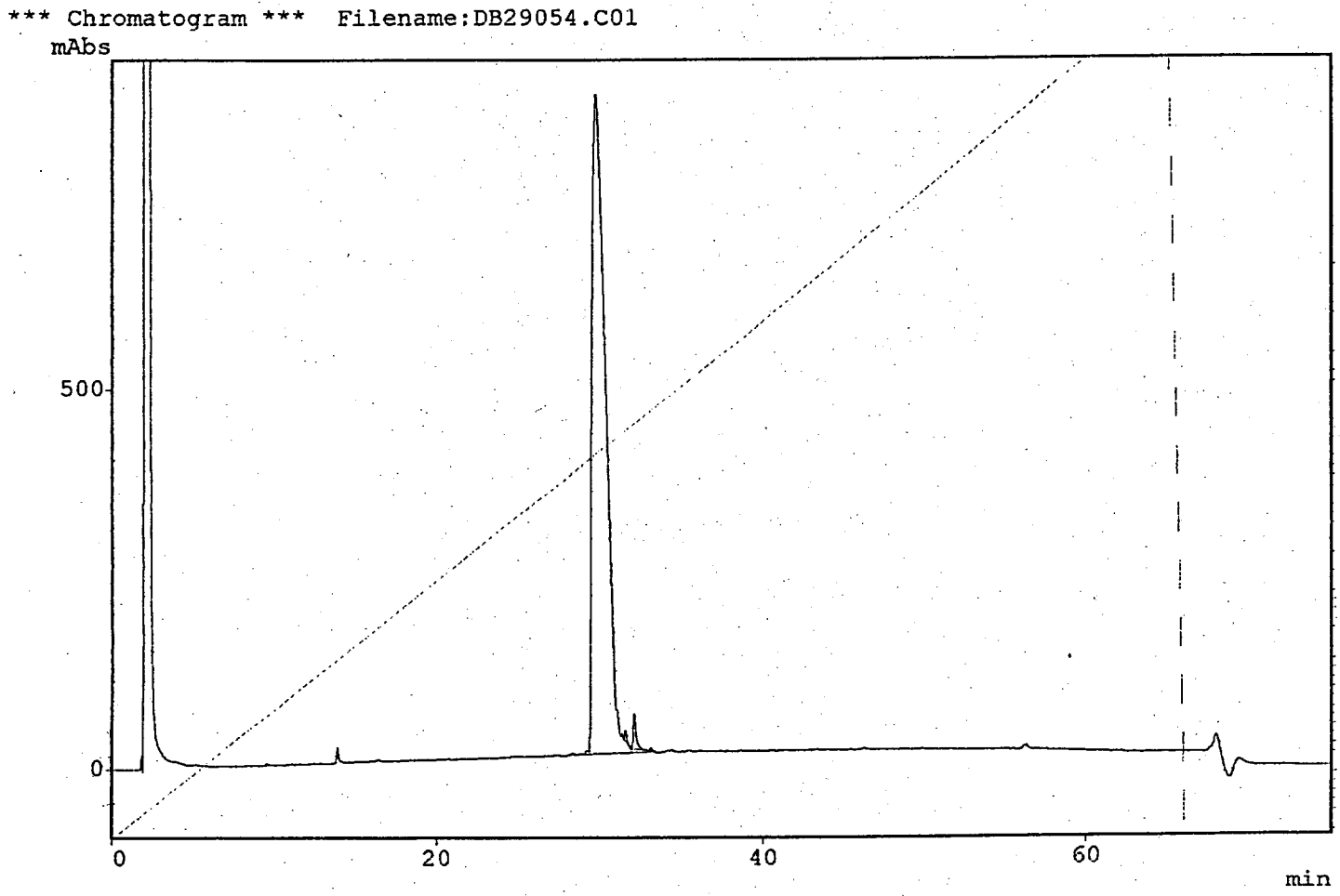


Figure S18

RP-HPLC purified peptide **9**

Expérimental condidtions : C3 Zorbax column, buffers A and B
0-100% B in 60 min, 1 mL/min, 50°C
detection at 215 nm



*** Peak Report ***

TIME	AREA	HEIGHT	CONC	PKNO
28.317	46836	3051	0.0930	1
28.800	30466	1249	0.0605	2
29.743	49516504	867243	98.3037	3
31.572	97777	13390	0.1941	4
32.086	611181	47697	1.2134	5
32.802	18019	1973	0.0358	6
33.123	50189	4574	0.0996	7
	50370971	939177	100.0000	

MALDI-TOF spectrum of purified peptide **9**

Figure S19

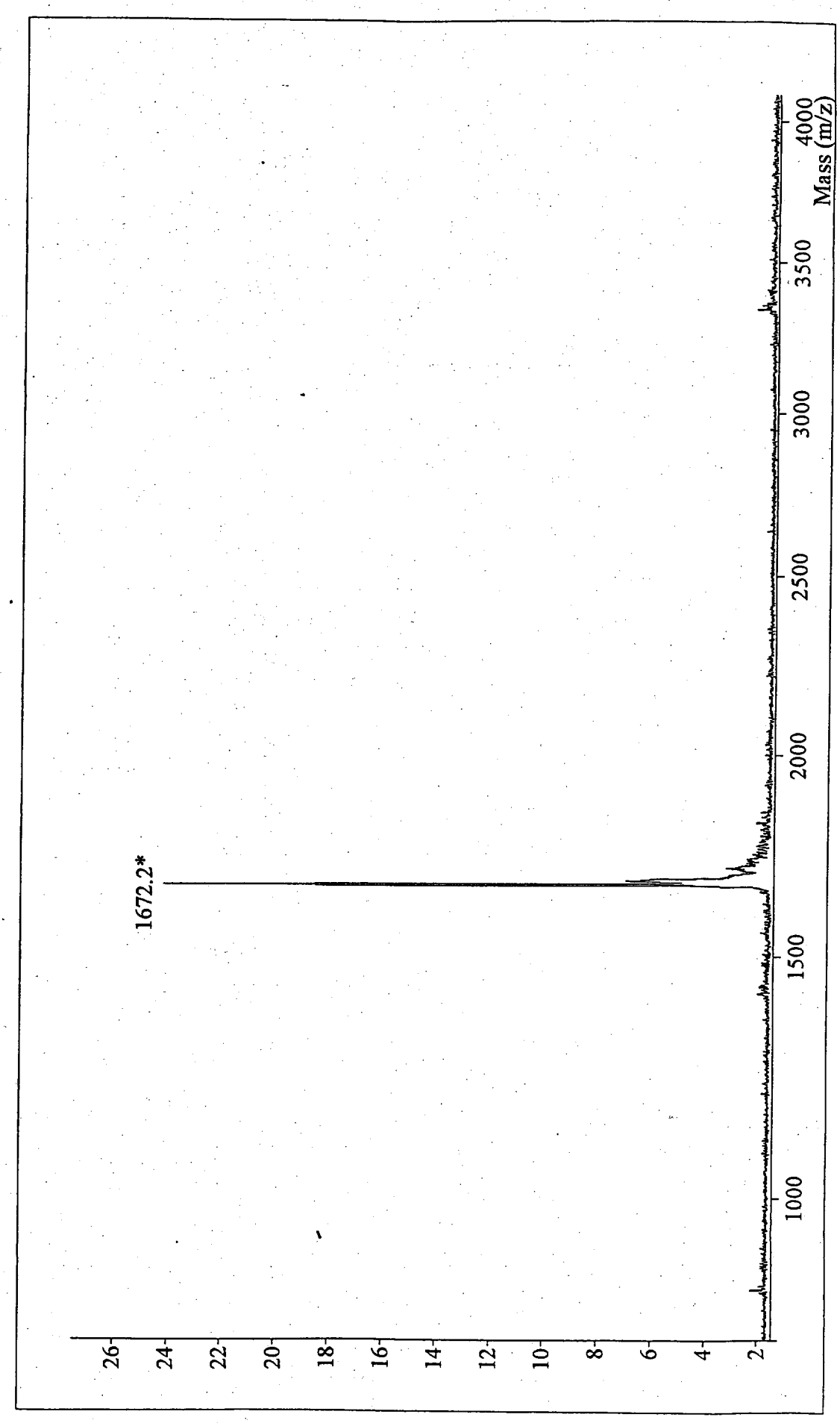
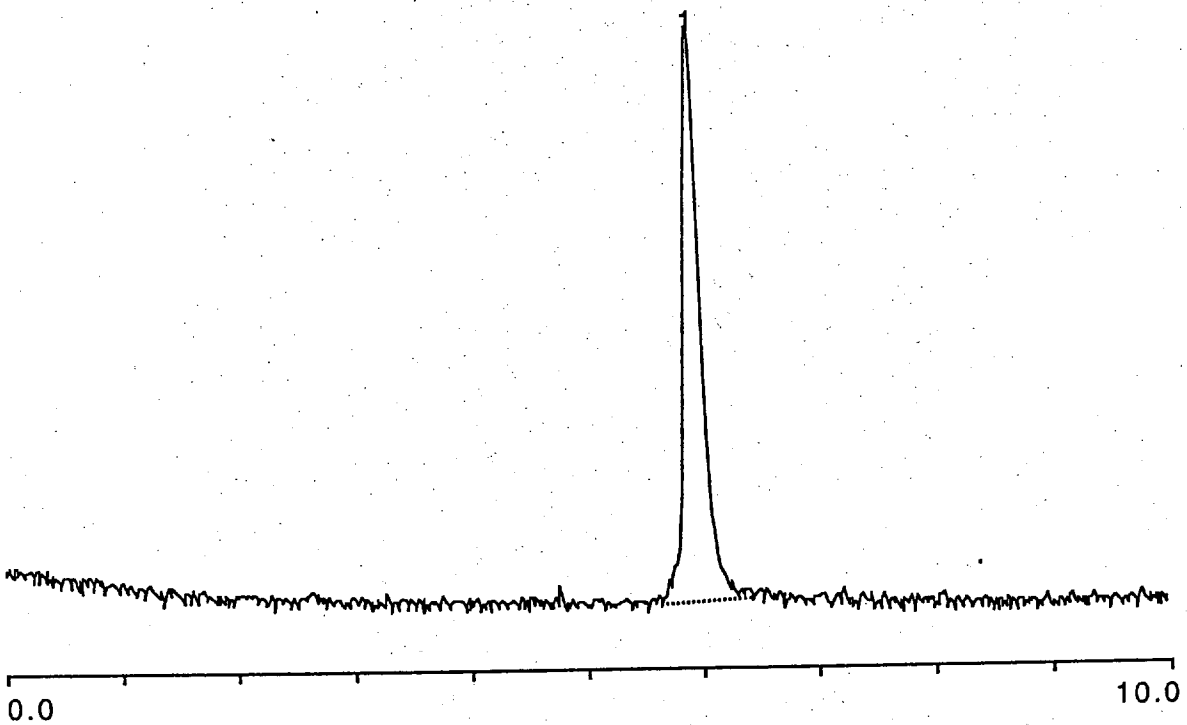


Figure S20

CZE purified peptide **9**

Expérimental condidtions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 50°C.



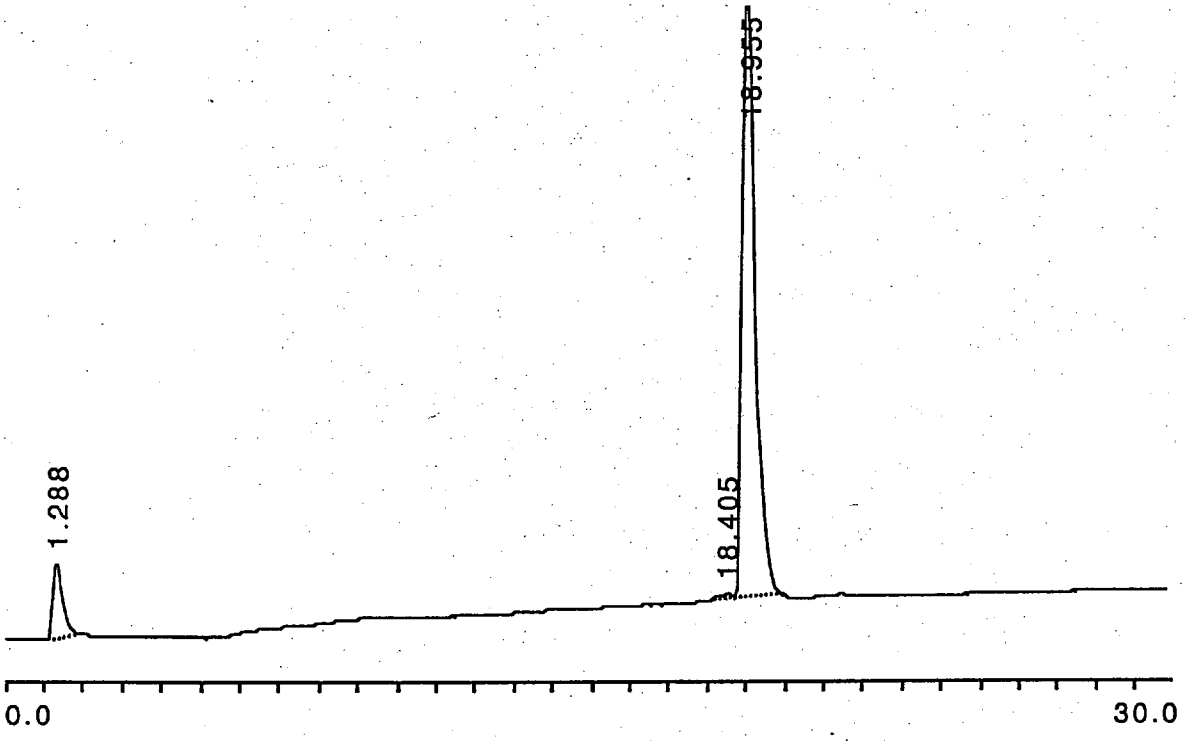
Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
	4.765	N	784	714	0.340
1	5.880	N	22122	209047	99.659
Total Area				209761	99.999

Figure S21

RP-HPLC purified peptide **14**

Experimental conditions : C3 Zorbax column, buffers A and B
0-100% B in 30 min, 1 mL/min, 50°C
detection at 215 nm



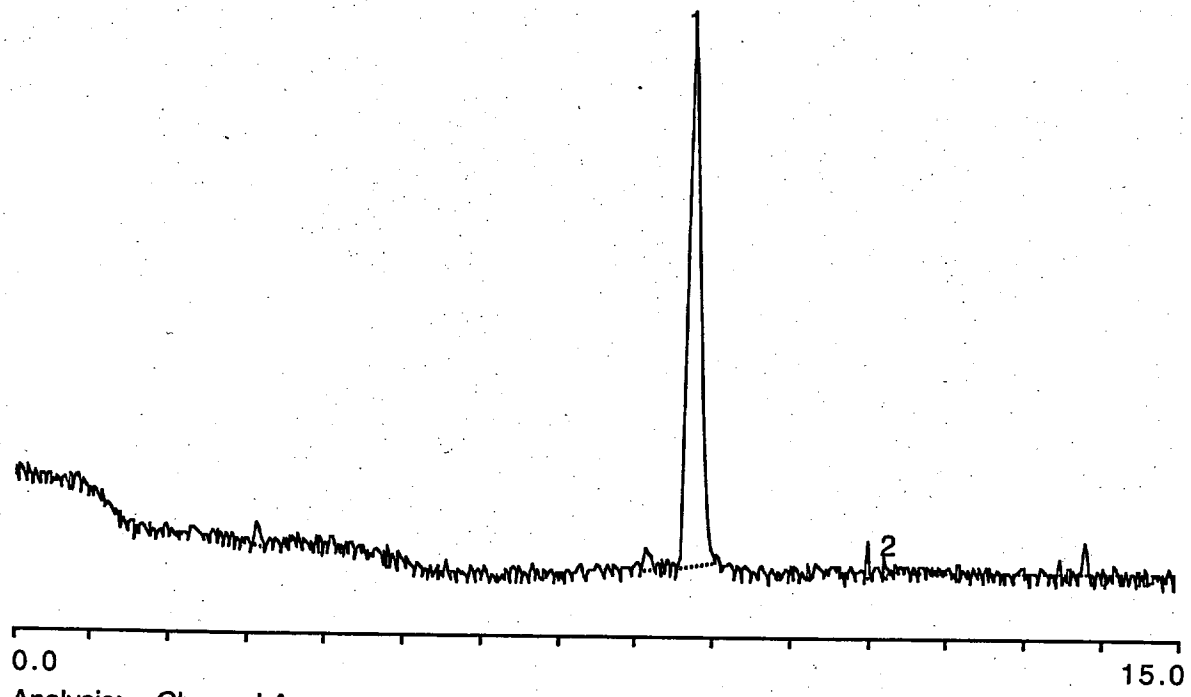
Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
1	1.288	N	14847	211455	7.951
2	18.405	N1	824	10597	0.398
	18.550	N2	995	9697	0.364
3	18.955	N3	119869	2427540	91.285
Total Area				2659289	99.998

Figure S22

CZE purified peptide **14**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 50°C.



Analysis: Channel A

Peak No.	Time	Type	Height(µV)	Area(µV-sec)	Area%
	3.140	N	974	2056	0.901
	8.140	N	896	3604	1.580
1	8.660	N	23450	206370	90.526
	10.990	N	1515	1682	0.737
	11.200	N1	802	451	0.197
2	11.250	X2	318	13803	6.054
Total Area				227966	99.995

ES-MS spectrum of purified peptide **14**

Figure S23

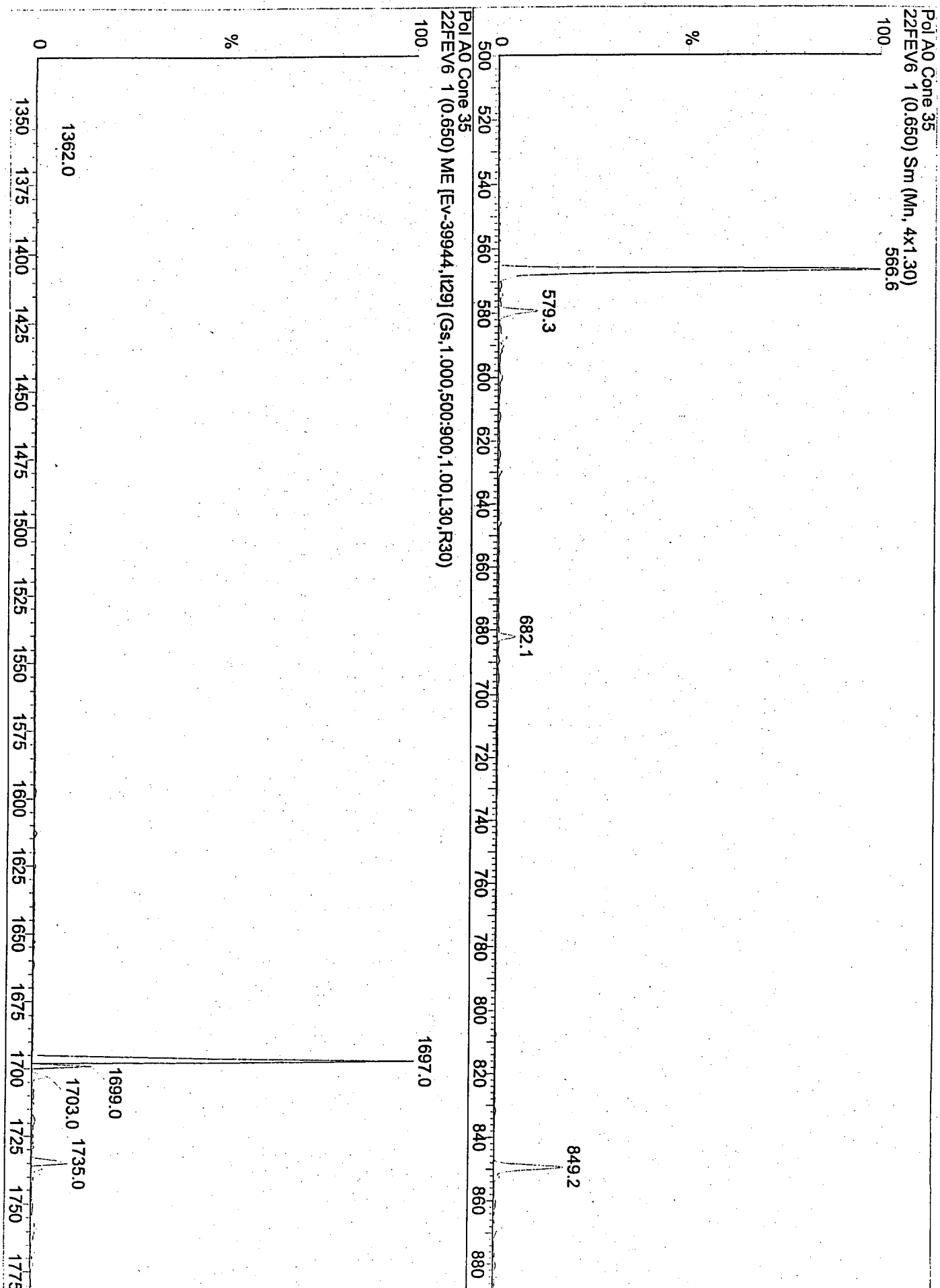
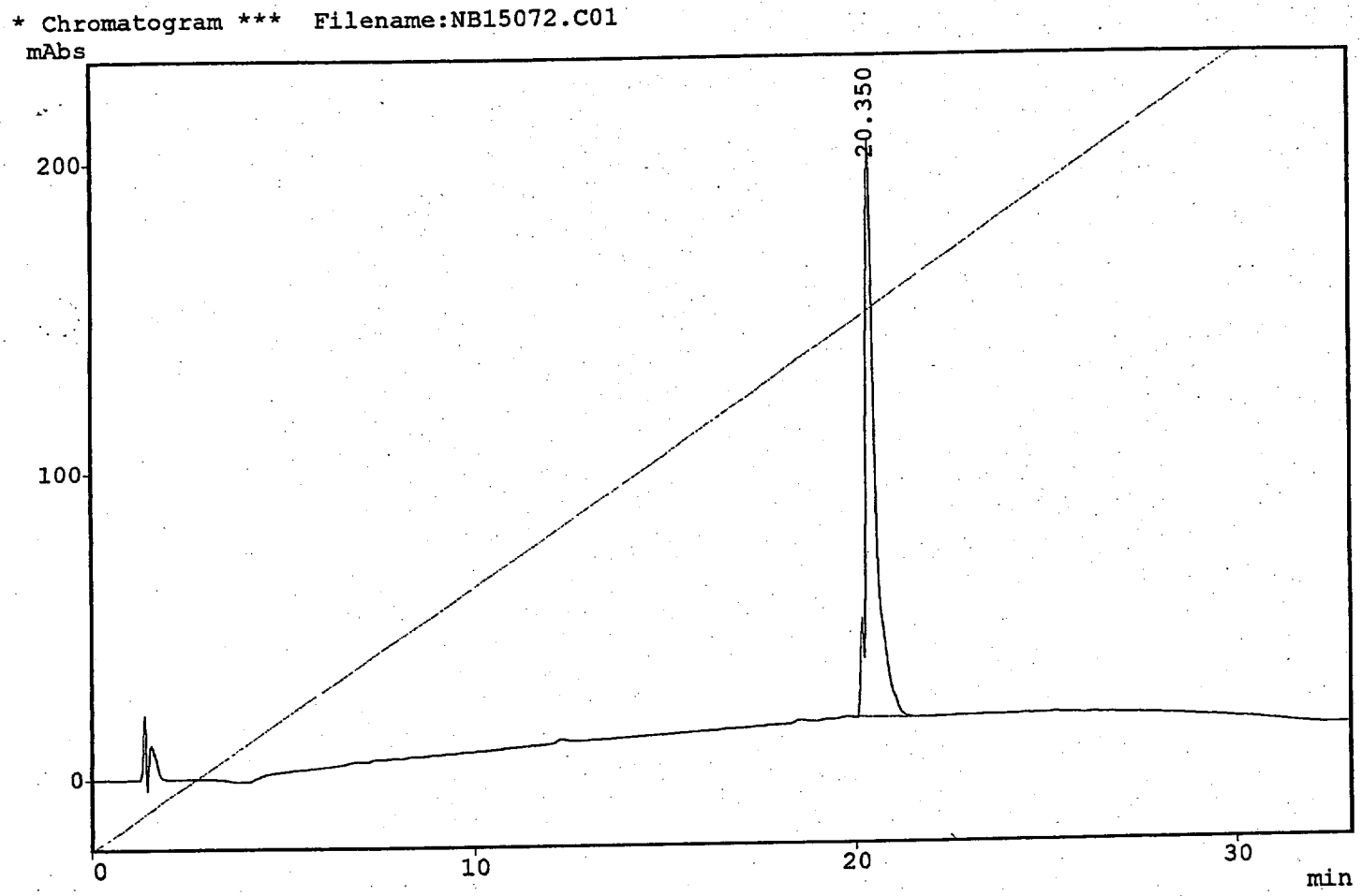


Figure S24

RP-HPLC purified peptide **15**

Experimental conditions : C3 Zorbax column, buffers A and B
0-100% C in 30 min, 1 mL/min, 50°C
detection at 215 nm



** Peak Report ***

KNO	TIME	AREA	HEIGHT	CONC
1	20.350	3322529	187713	100.0000
		3322529	187713	100.0000

99/07/15 14:37:01

Figure S25

MALDI-TOF spectrum of purified peptide **15**

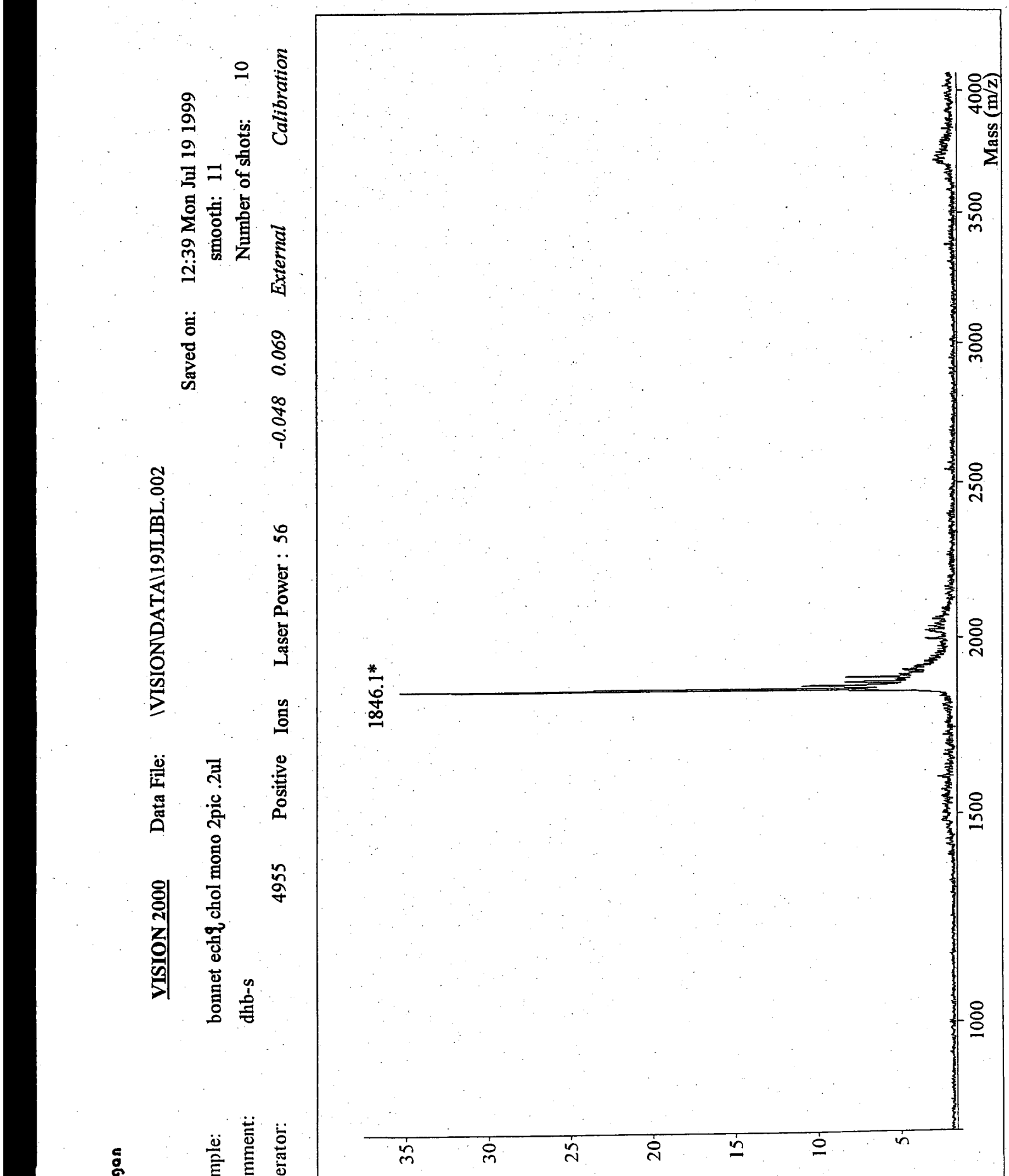
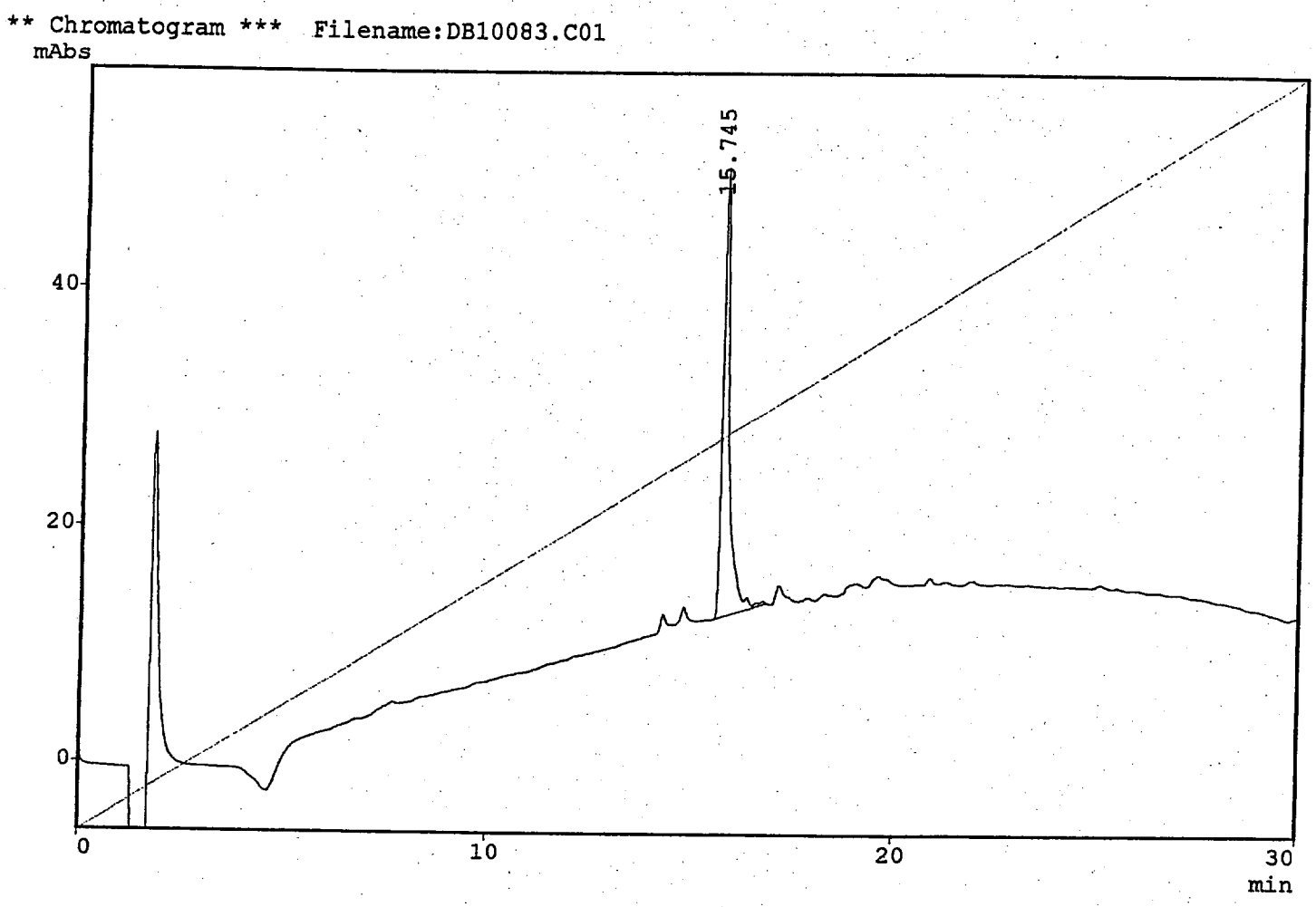


Figure S26

RP-HPLC purified peptide **16**

Experimental conditions : C3 Zorbax column, buffers D and E
0-100% C in 30 min, 1 mL/min, 50°C
detection at 215 nm



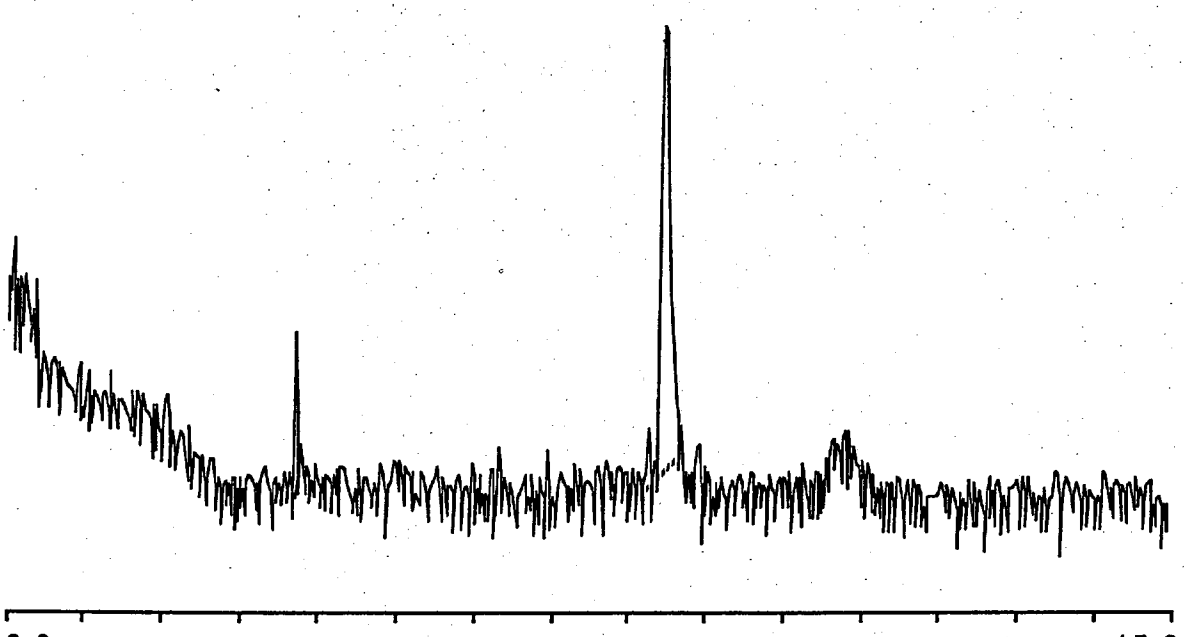
** Peak Report ***

XNO	TIME	AREA	HEIGHT	CONC
1	15.745	451168	37706	100.0000
		451168	37706	100.0000

Figure S27

CZE purified peptide **16**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 30°C.



Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
	3.720	N	1827	2063	5.189
1	8.465	N	5425	37690	94.810
Total Area				39753	99.999

ES-MS spectrum of purified peptide **16**

Figure S28

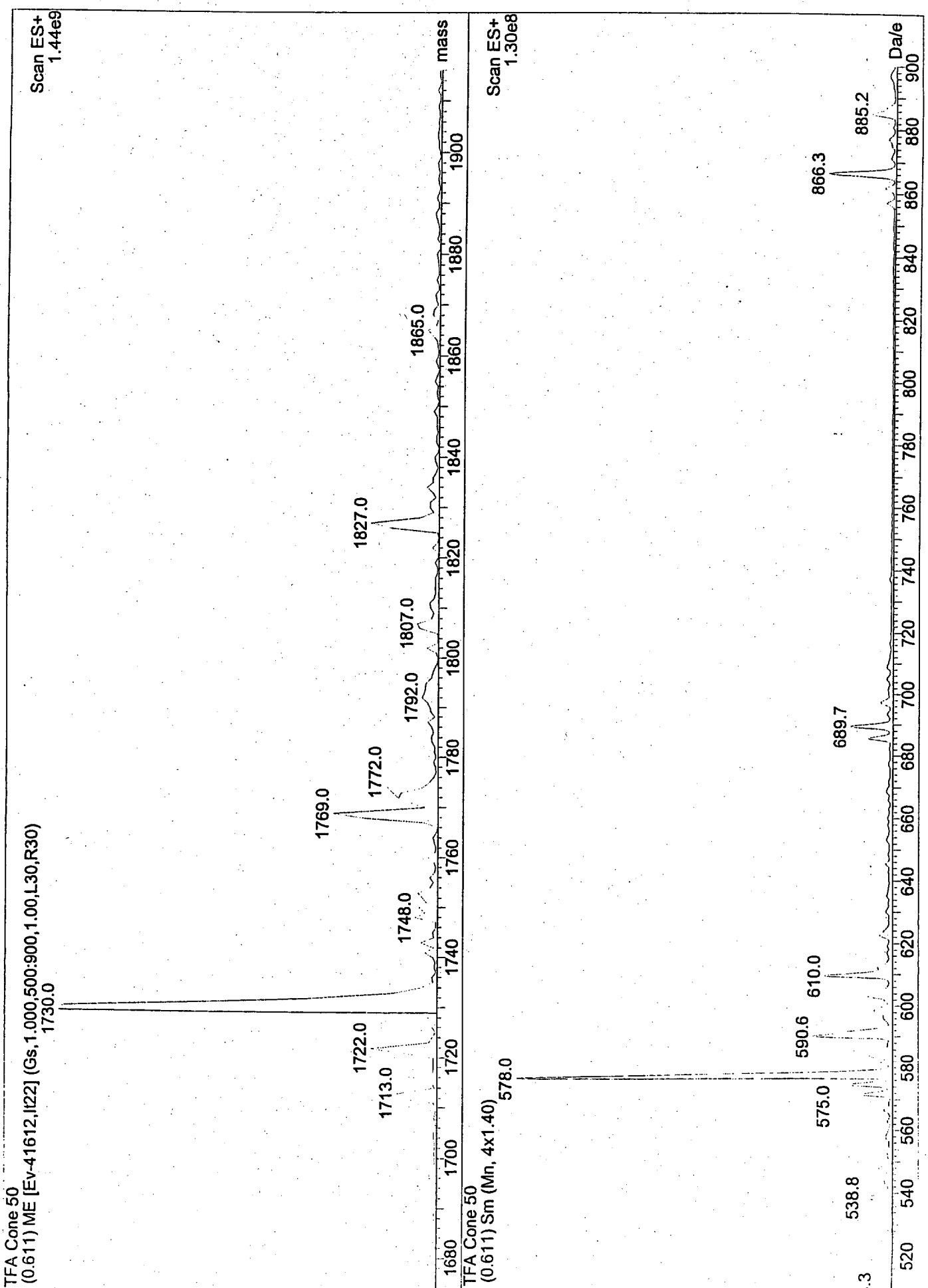
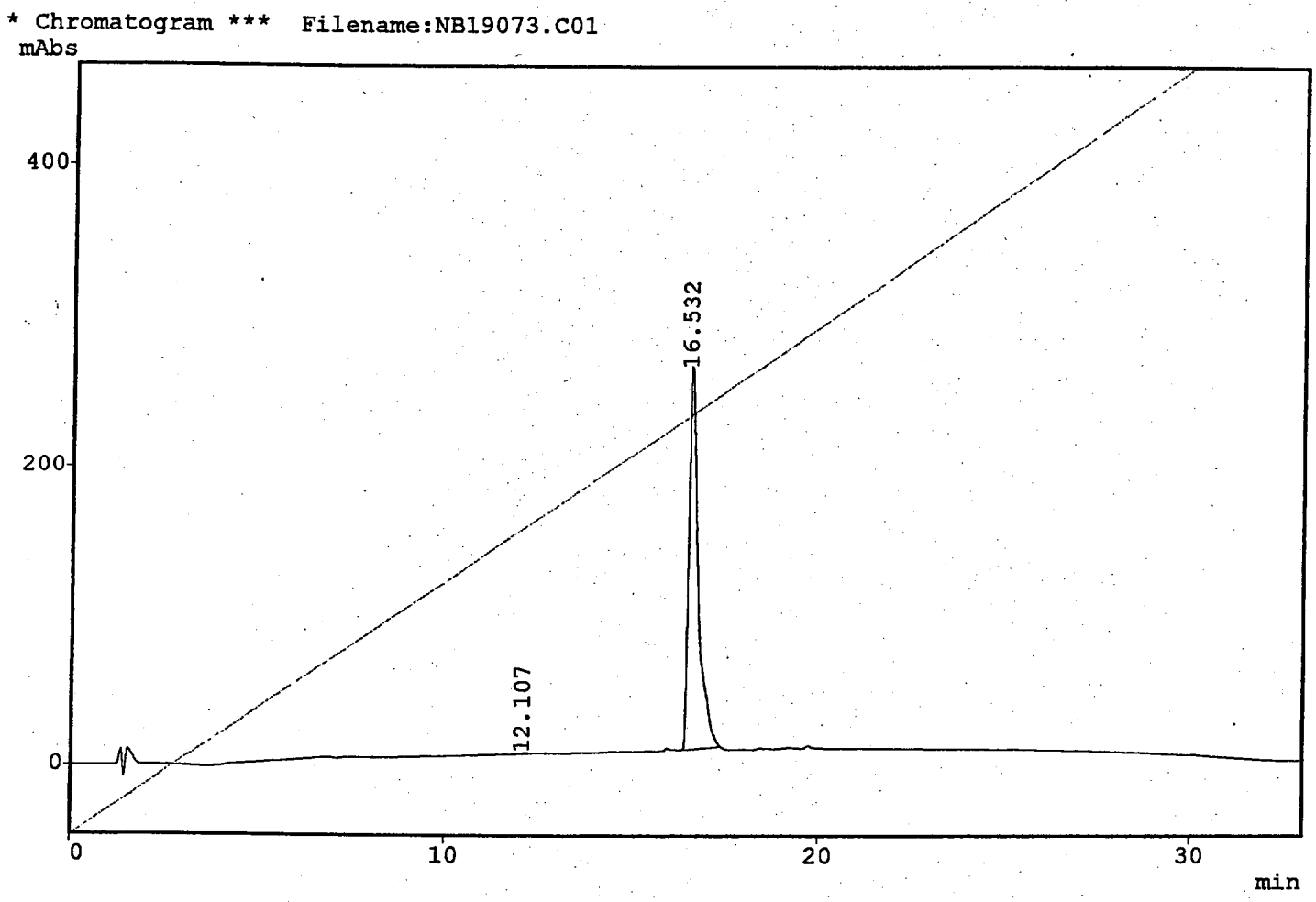


Figure S29

RP-HPLC purified peptide **17**

Experimental conditions : C3 Zorbax column, buffers A and C
0-100% C in 30 min, 1 mL/min, 50°C
detection at 215 nm

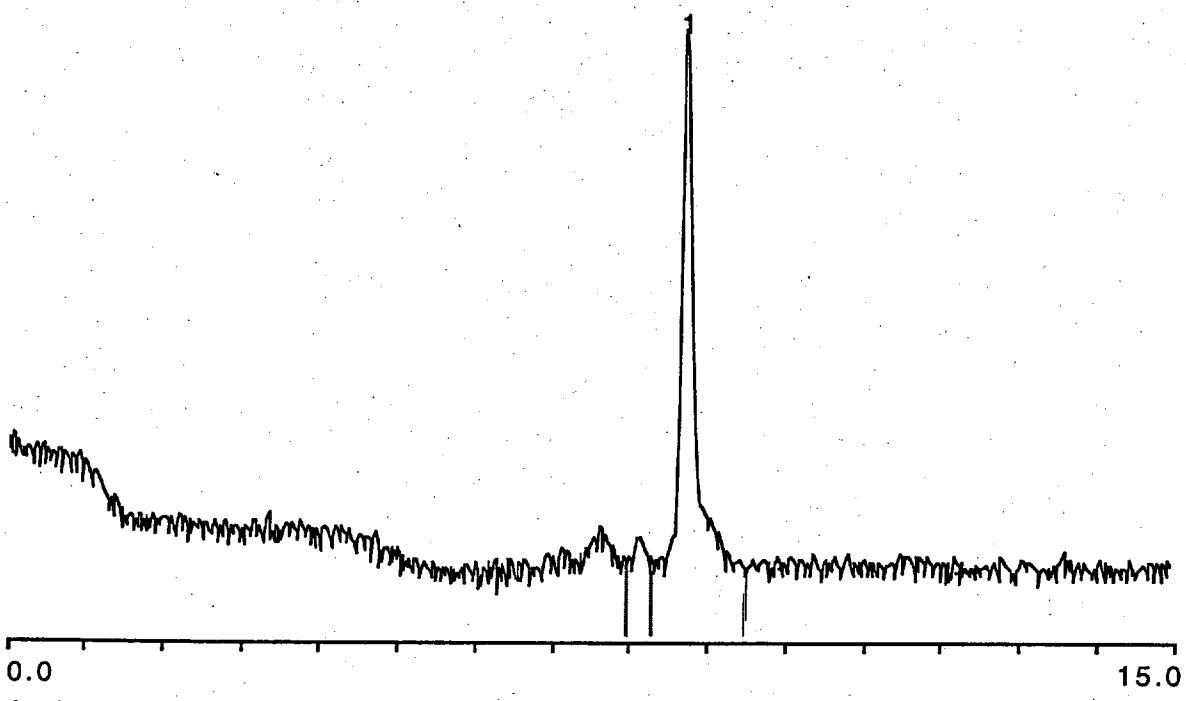


* Peak Report ***

NO	TIME	AREA	HEIGHT	CONC
1	12.107	12945	757	0.2858
2	16.532	4516164	256424	99.7142
		4529108	257181	100.0000

CZE purified peptide **17**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 45°C.



Analysis: Channel A

Peak No.	Time	Type	Height(µV)	Area(µV-sec)	Area%
	8.135	*N1	834	4434	2.669
1	8.670	*N2	17683	161177	97.025
	9.910	N	396	77	0.046
	12.090	N	386	131	0.078
	14.425	N	416	300	0.180
Total Area				166119	99.998

ES-MS spectrum of purified peptide **17**

Figure S31

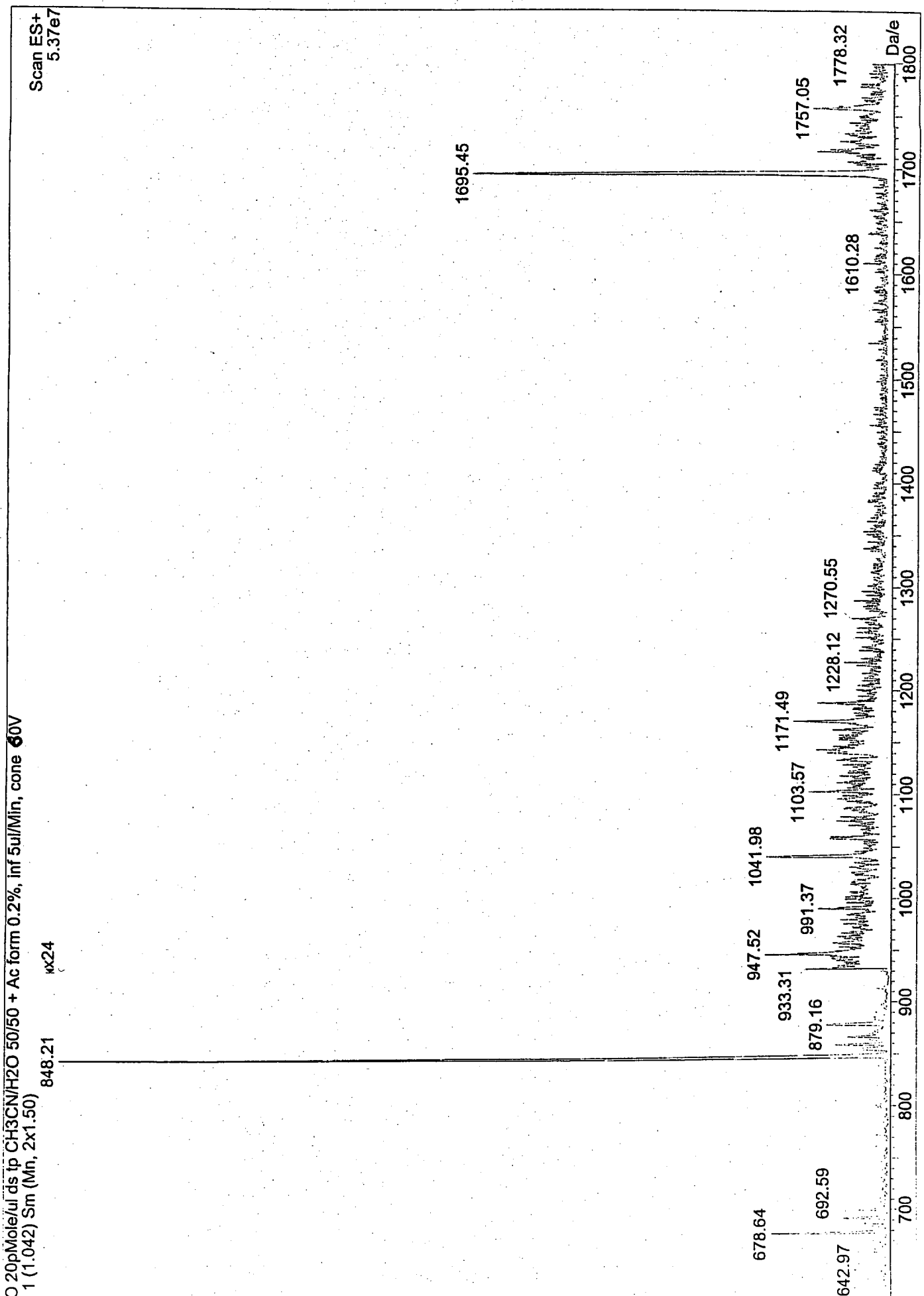
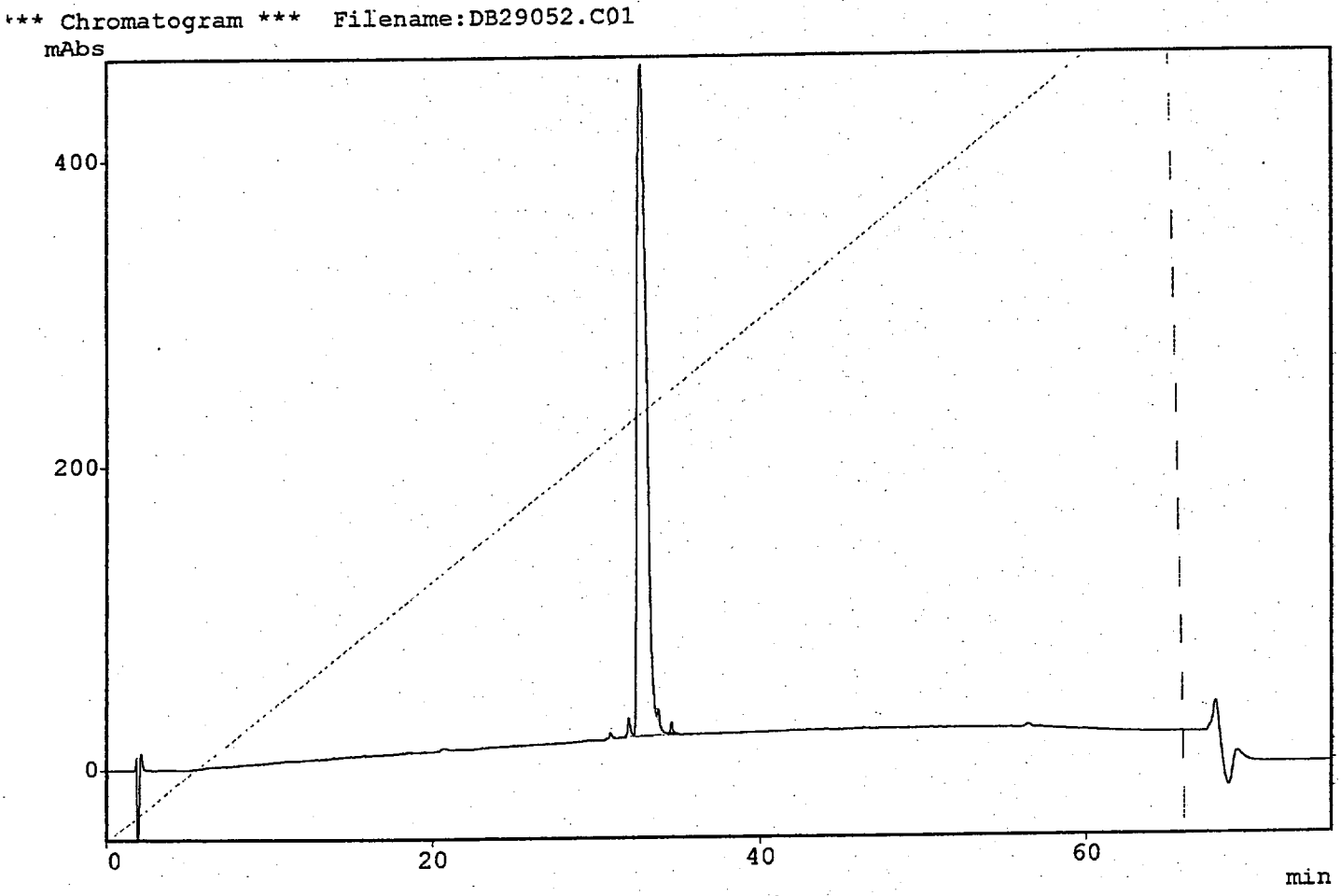


Figure S32

RP-HPLC purified peptide **18**

Experimental conditions : C3 Zorbax column, buffers A and B
0-100% B in 60 min, 1 mL/min, 50°C
detection at 215 nm



*** Peak Report ***

TIME	AREA	HEIGHT	CONC	PKNO
31.367	5559	328	0.0315	1
31.956	159973	12552	0.9055	2
32.637	17366195	440593	98.2979	3
33.765	54754	6785	0.3099	4
34.566	76191	7045	0.4313	5
35.404	4227	469	0.0239	6
	17666899	467772	100.0000	

ES-MS spectrum of purified peptide **18**

Figure S33

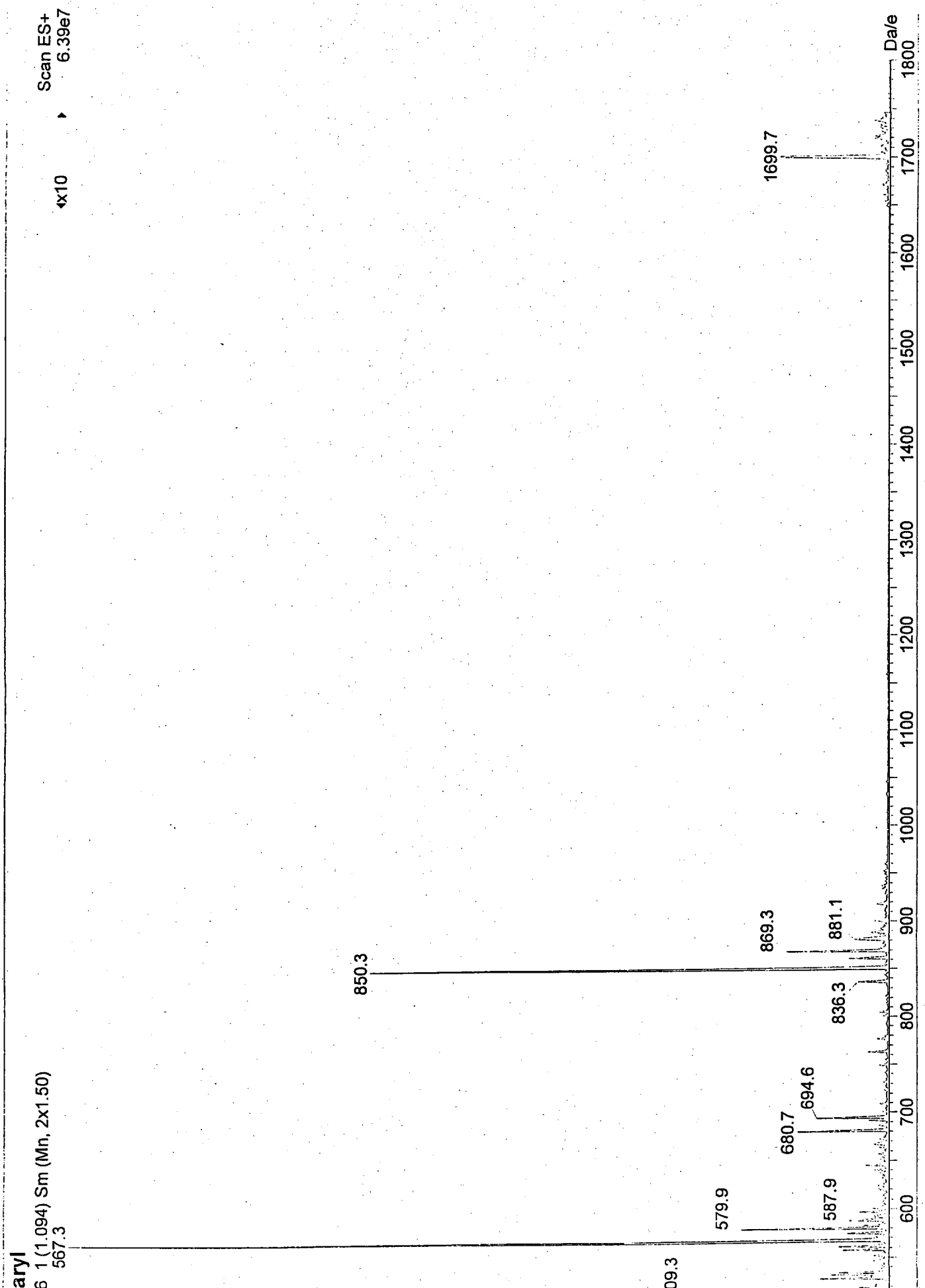
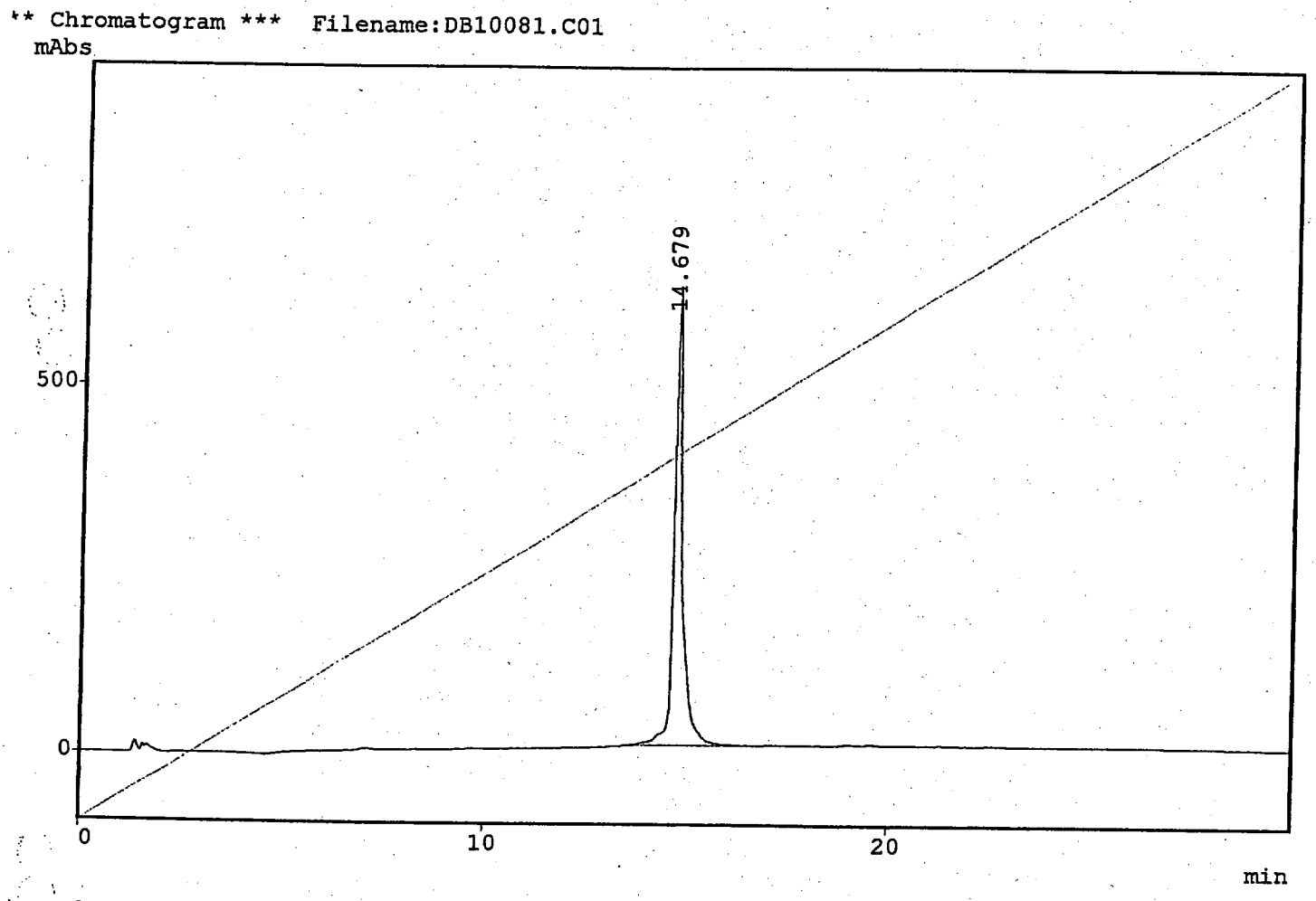


Figure S34

RP-HPLC purified peptide **19**

Experimental conditions : C18 Vydac column, buffers A and C
0-100% C in 30 min, 1 mL/min, 50°C
detection at 215 nm



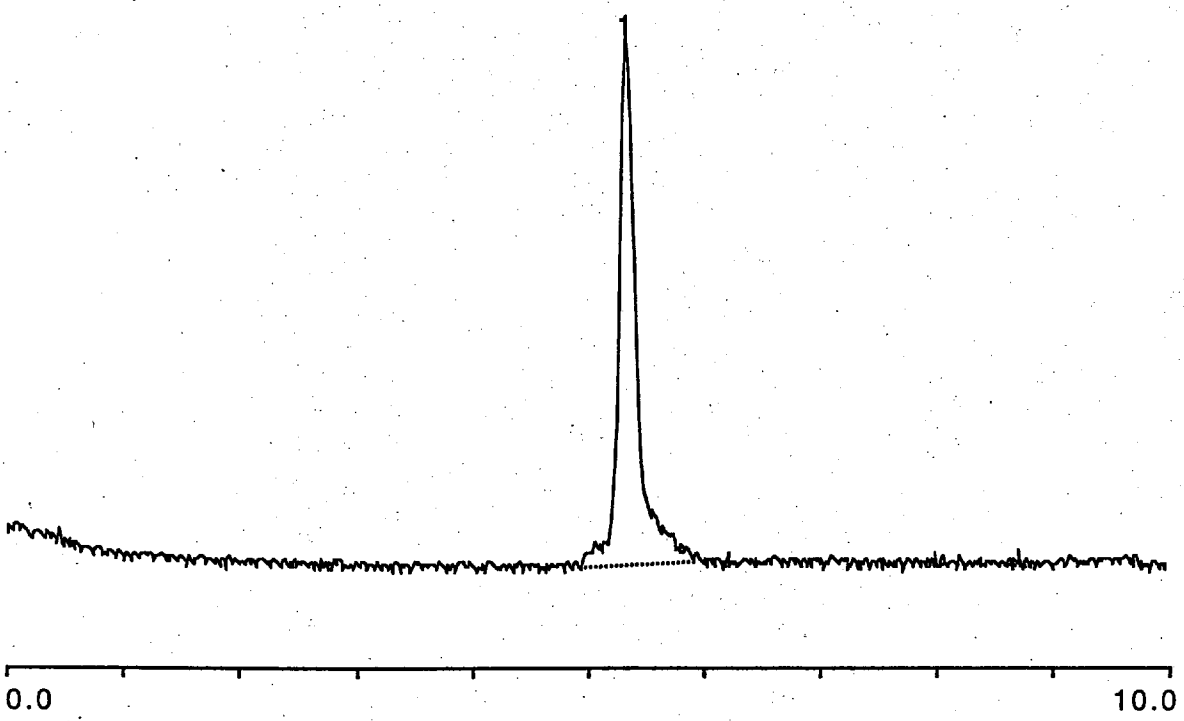
** Peak Report ***

PKNO	TIME	AREA	HEIGHT	CONC
1	14.679	9306616	612220	100.0000
		9306616	612220	100.0000

Figure S35

CZE purified peptide **19**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 50°C.

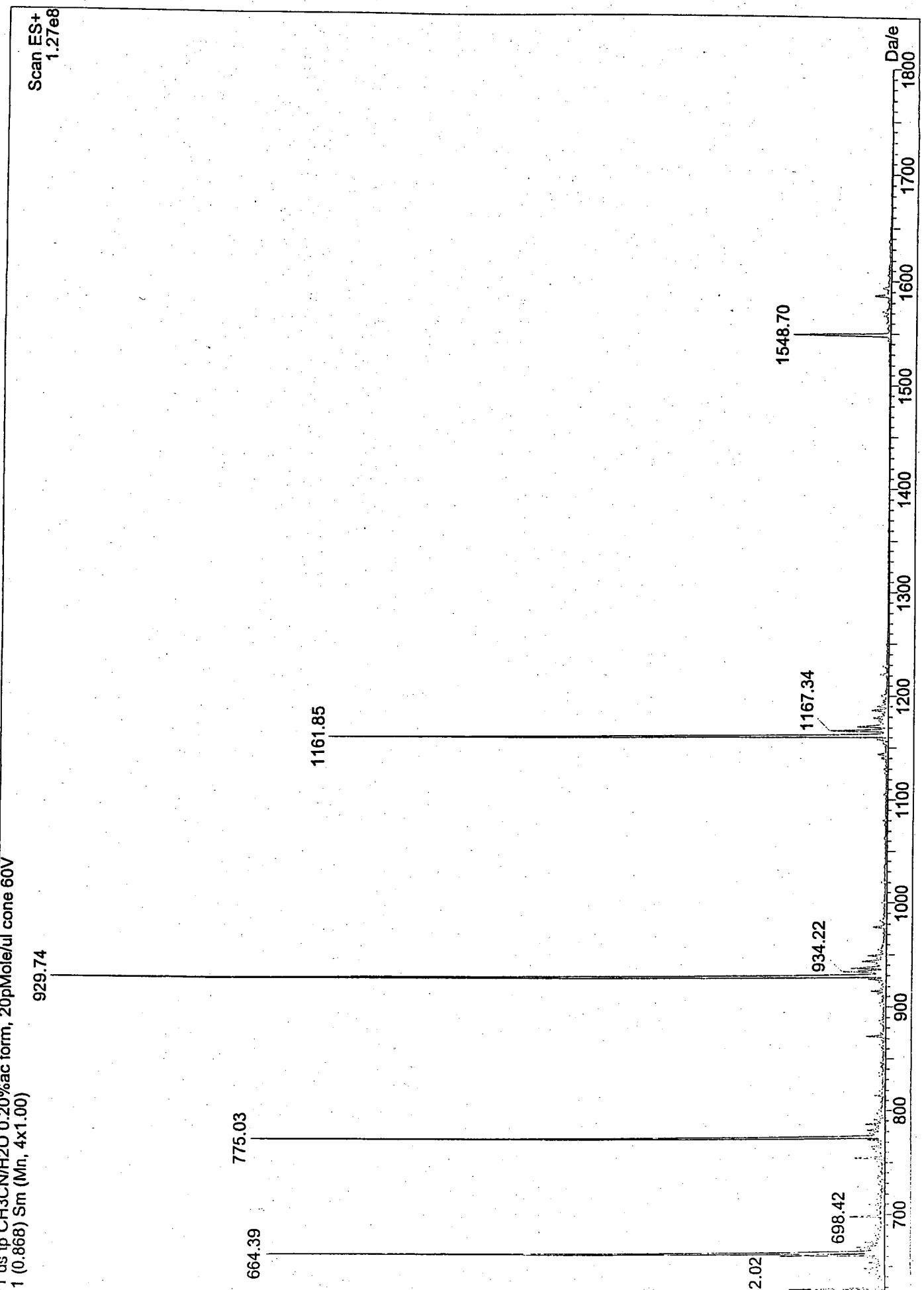


Analysis: Channel A

Peak No.	Time	Type	Height(μV)	Area(μV-sec)	Area%
1	5.290	*N	22384	170471	98.848
	6.210	N	451	29	0.016
	8.045	N	349	98	0.056
	8.190	N	393	169	0.097
	8.630	N	353	1690	0.979
Total Area				172457	99.996

ES-MS spectrum of purified peptide **19**

Figure S36



ES-MS spectrum of purified peptide **19**

Figure S37

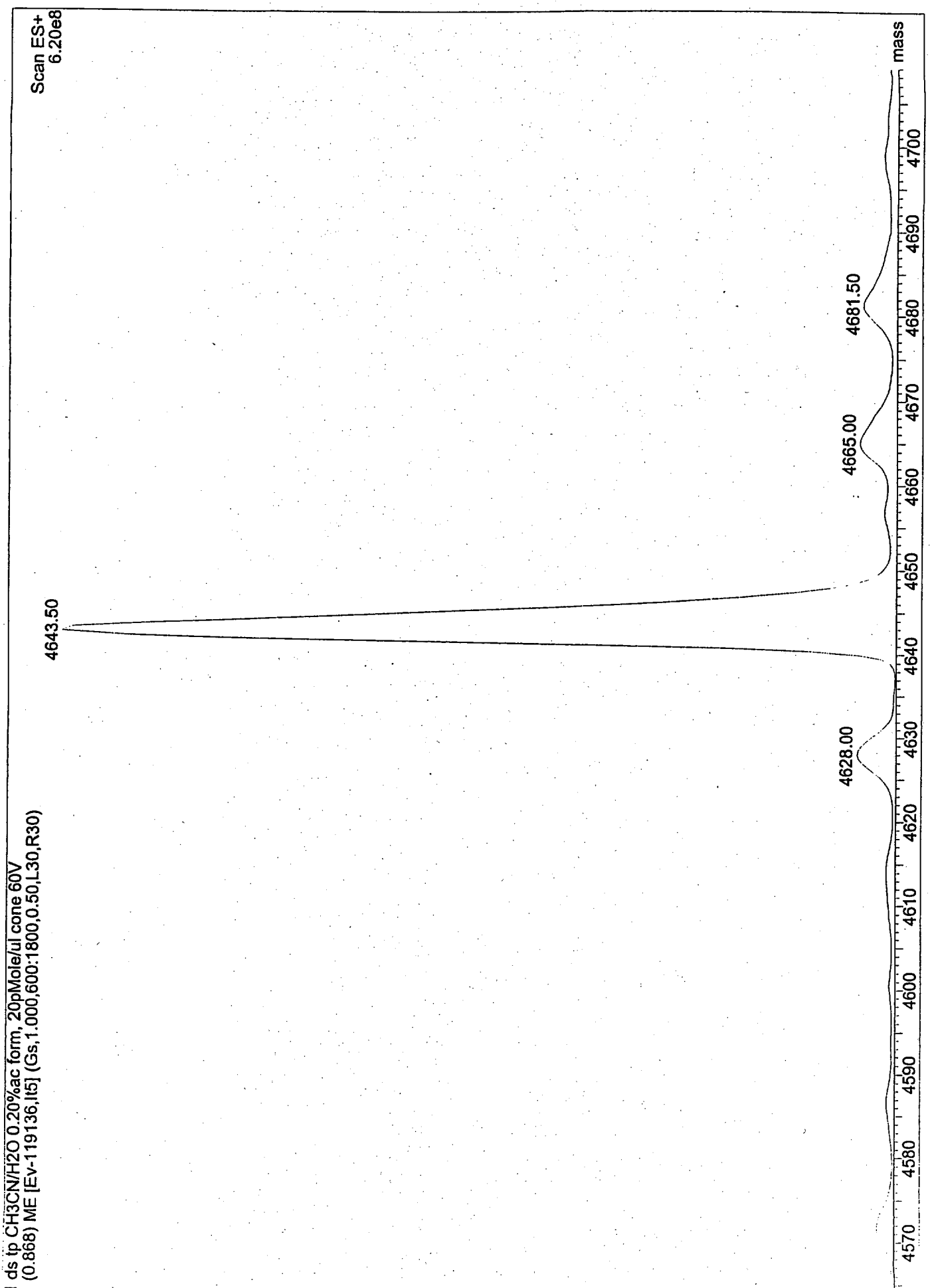
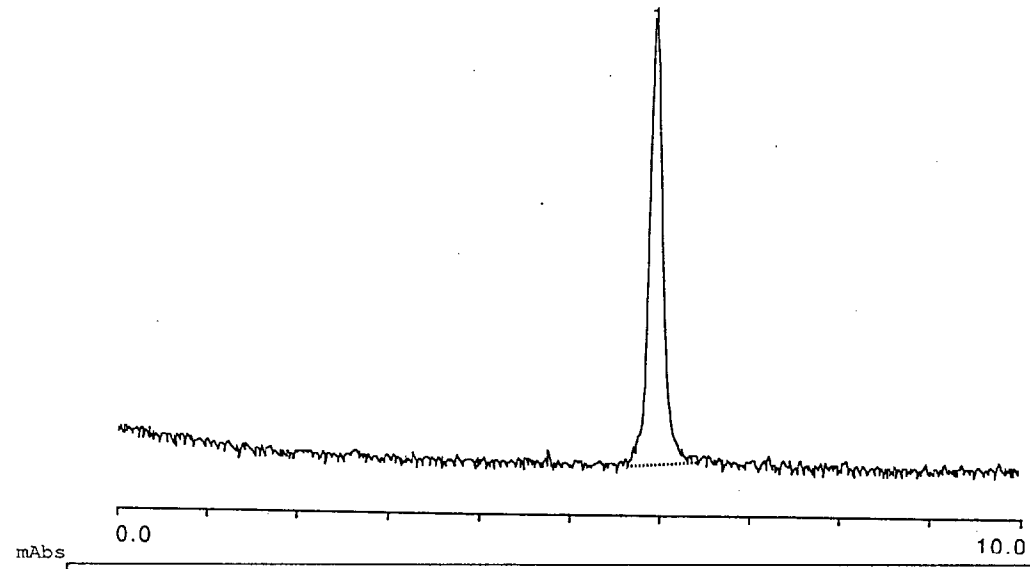
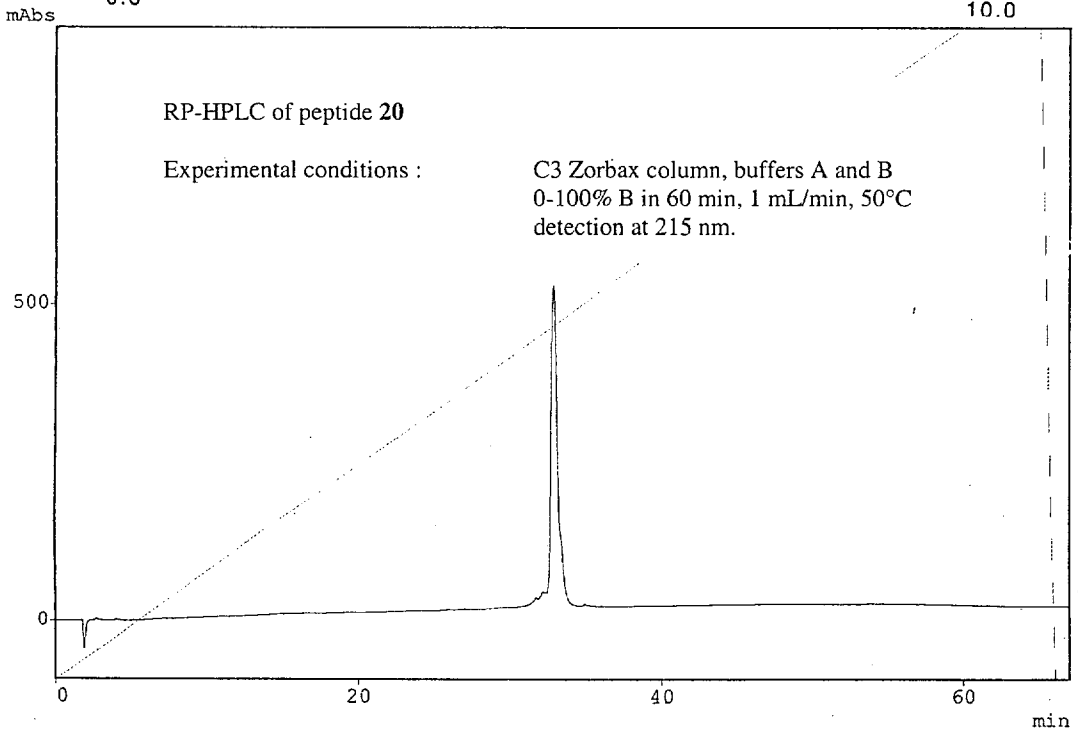


Figure S38

CZE purified peptide **20**

Experimental conditions : Sodium citrate buffer 20 mM pH 3,0
30 kV field, detection at 200 nm, 50°C.





ES-MS spectrum of purified peptide **20**

Figure S39

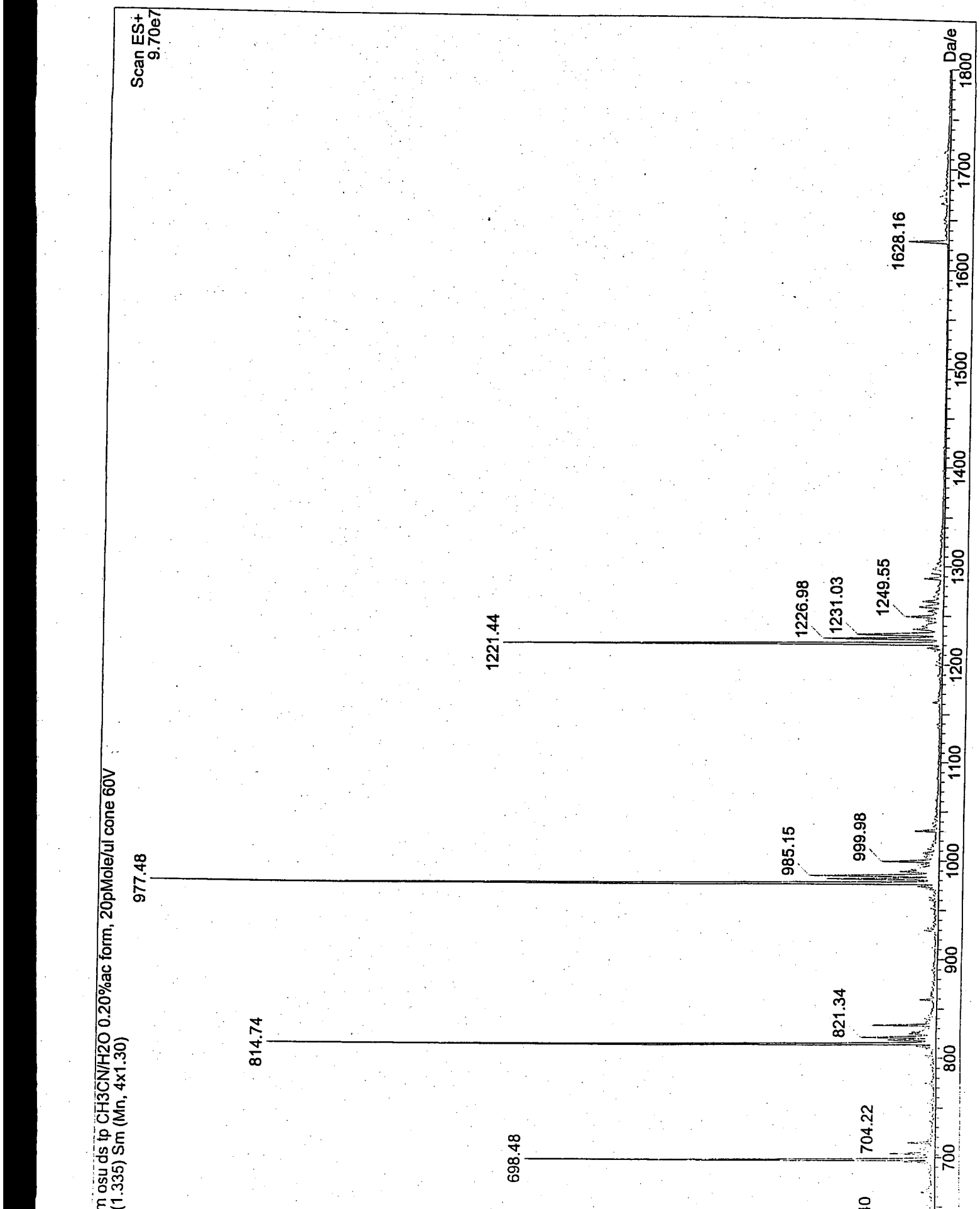


Figure S40

^{1}H NMR *N*-(cholesterylcarbonyloxy)succinimide
(300 MHz, $CDCl_3$, 296 K)