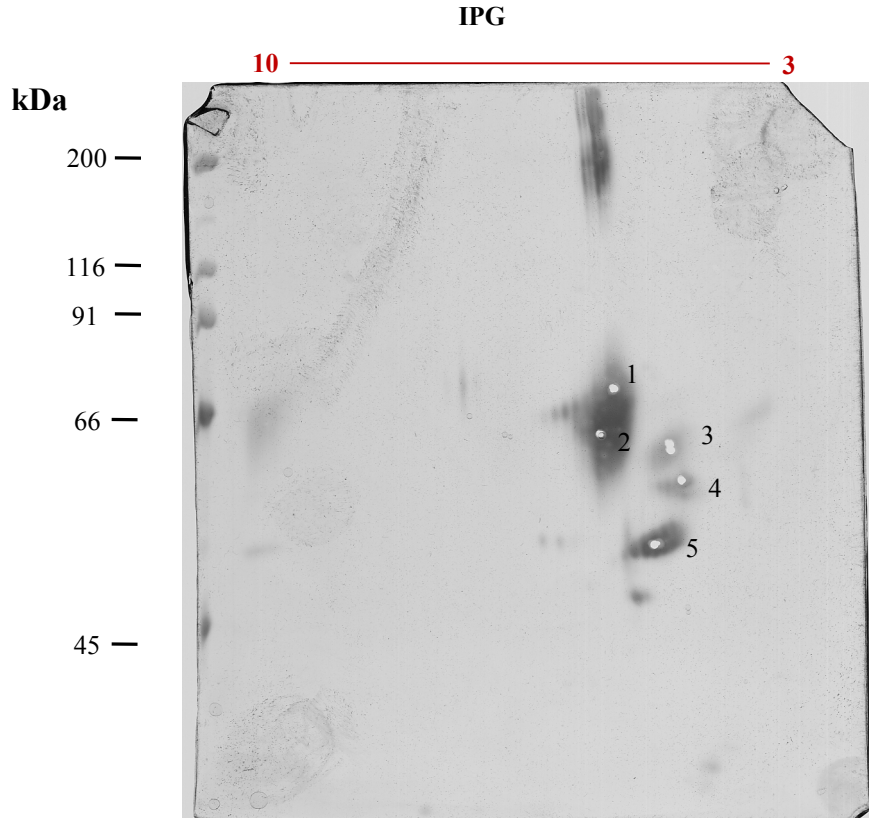
LOTE 081009 ó LOTE 1

CENTRO DE INVESTIGACIÓN DEL CÁNCER
Unidad de Proteómica

ELECTROFORESIS BIDIMENSIONAL

Fecha: 29-10-2009



AGarcia2_Ag_291009

Usuario: AGarcía, Neurociencias
Código Proteored: **Código Interno:** AGarcía2
Responsable/s técnica: Nieves Ibarrola
Responsable/s informe: Nieves Ibarrola
Muestra: proteína purificada 69 kDa, pI 7, 1.7 ug/ul
Procedimiento: 0.65ul separados por electroforesis bidimensional pI 3-10, 7 cm, 8.5% acrilamida
Tinción con plata
Analisis de la huella peptídica de las manchas indicadas

CENTRO DE INVESTIGACIÓN DEL CÁNCER

Unidad de Proteómica

INFORME DE RESULTADOS

Fecha: 09/10/2009

Usuario

AGarcia, Lab15, Incyl

Muestra

AGarcia2

Responsable/s Técnica

Nieves Ibarrola

Código Proteored

Código Interno

Responsable/s Informe

Nieves Ibarrola

Procedimiento

Corte de 5 spots indicados, digestión en gel con tripsina, análisis de los fragmentos trípticos obtenidos mediante MALDI-TOF y búsqueda en base de datos SwissProt o MSDB no redundante.

Resultados obtenidos

CRITERIOS DE BÚSQUEDA

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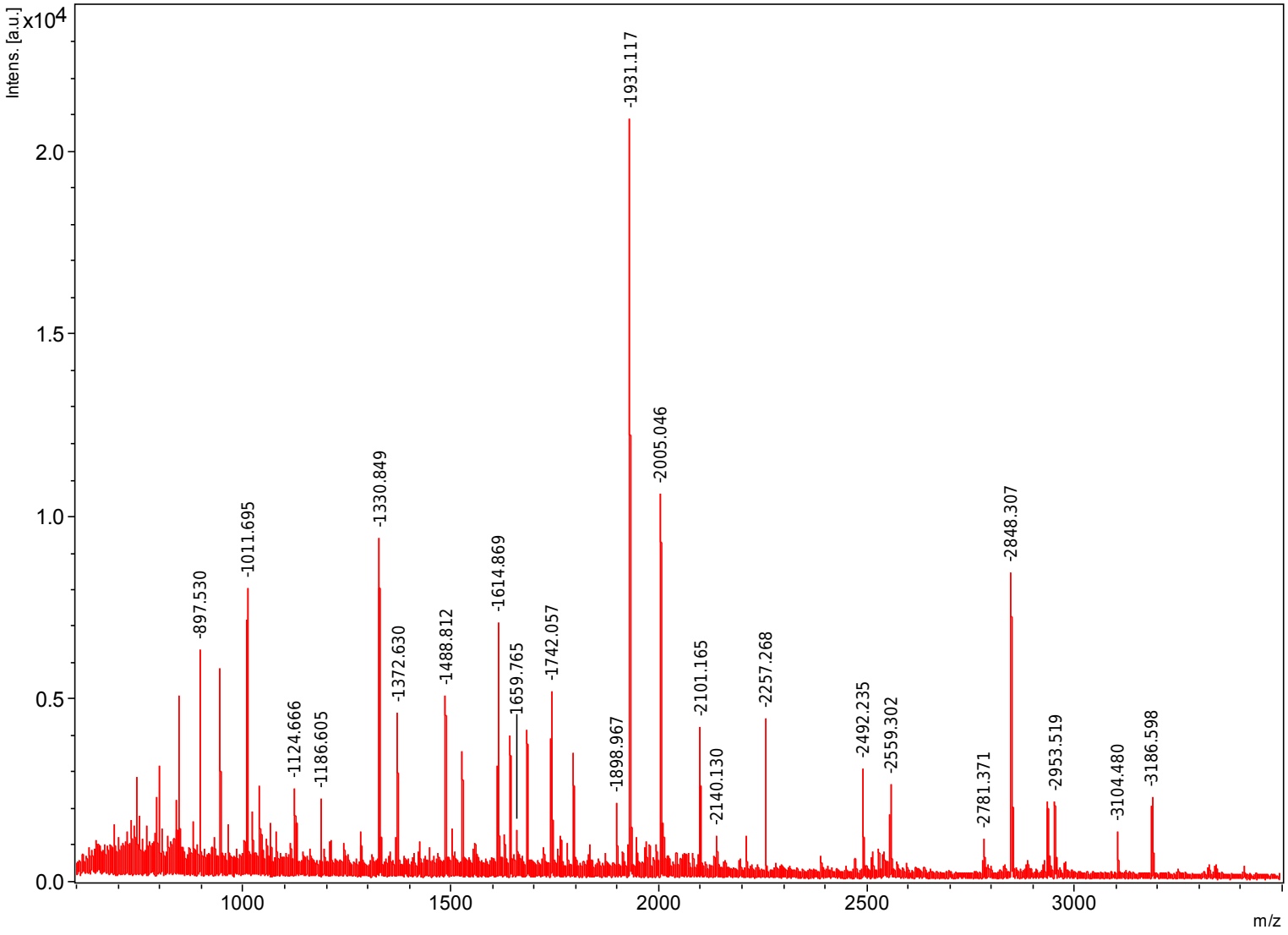
Database        : MSDB 20060831 (3239079 sequences; 1079594700 residues)
Taxonomy        : Rodentia (Rodents) (122277 sequences)
```

Modifications: Carbamidomethyl (C), Oxidation (M)

El valor **Score** es -10*Log(P), siendo P la probabilidad de que el resultado obtenido sea al azar. Un resultado es significativo ($p<0.05$) cuando el valor del **Score** supera 63 .

SPOT-1


Intens. [a.u.]
x10^4
2.0
1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
m/z
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-1011.695
-1124.666
-1186.605
-1330.849
-1372.630
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1659.765
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-3186.598

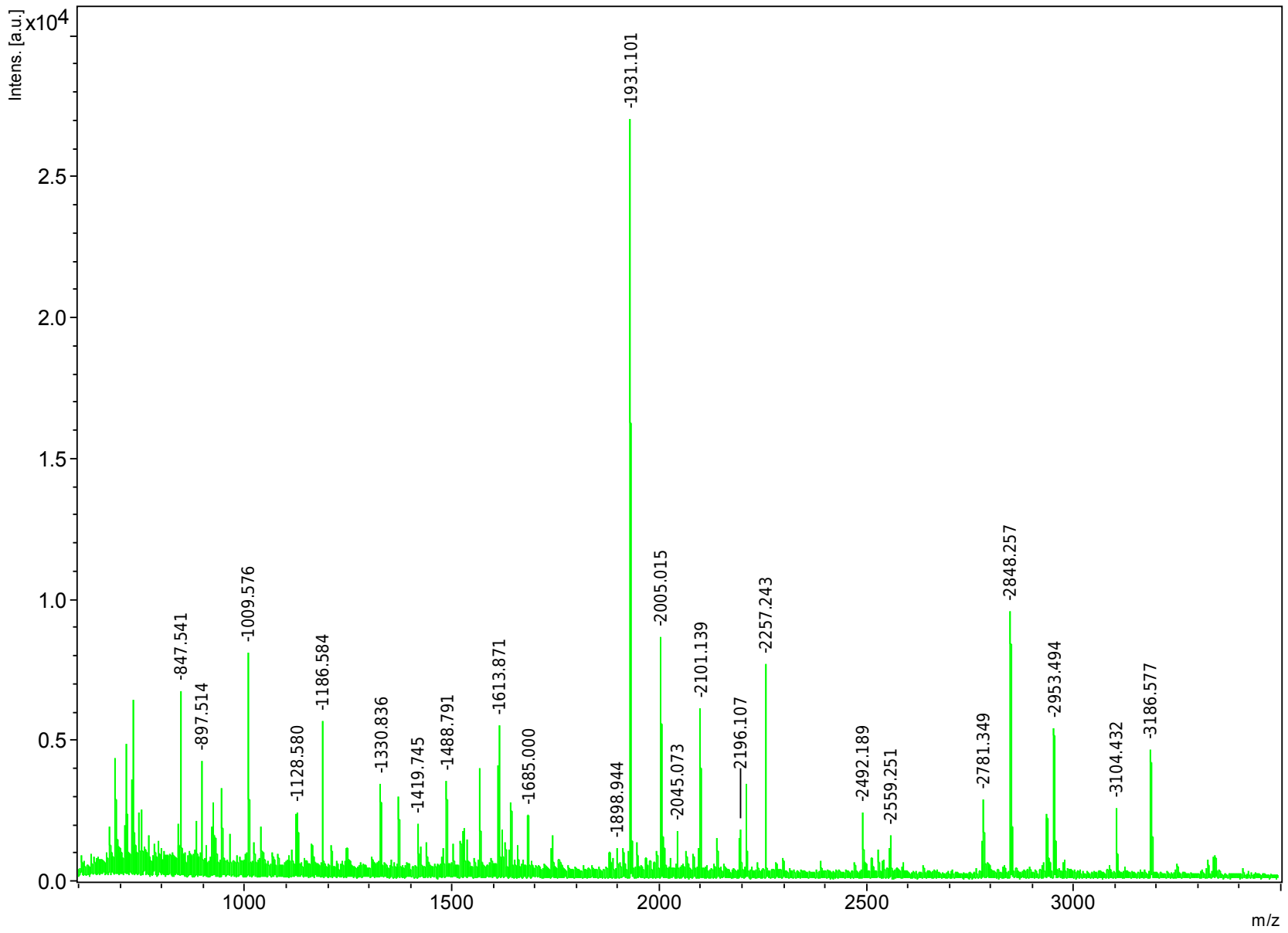
Lista de Masas / Intensidad Relativa

Masa	I.R.	1041.5	2033.9	1614.9	5662.8	2005	9414.7	2559.3	1612.8
847.56	4441.3	1124.7	1902.5	1644.9	3388.4	2013.1	1191.1	2781.4	638.19
897.53	5978.5	1128.6	1407.4	1659.8	1001.4	2101.2	3235.7	2848.3	5045.3
947.5	5418.6	1186.6	1911.8	1685	3647.1	2140.1	690.63	2936.5	1183
1009.6	6523	1330.8	9350.6	1742.1	4346	2257.3	3415.7	2953.5	1187.1
1011.7	6731.1	1372.6	3863.8	1794.9	3170.3	2492.2	1965.6	3104.5	636.4
1023.5	1756.4	1488.8	5019.2	1899	1710.6	2529.2	517.33	3186.6	1127.6
		1528.7	3067.2	1931.1	18882	2542.2	497.36		

Resultados

	Accession	Mass	Score	Description
1.	Q4QR90_RAT	70239	369	Alpha-fetoprotein.- Rattus norvegicus (Rat).
2.	CAA24567	60233	355	RNOAFP NID: - Rattus norvegicus
3.	FPRT	70166	348	alpha-fetoprotein precursor - rat
4.	FPMS	69118	51	alpha-fetoprotein precursor - mouse
5.	Q8BK56_MOUSE	69190	51	18 days pregnant adult female placenta and extra embryonic tissue cDNA, RIKEN full-length enriched library, clone:3830429G18 product:ALPHA-FETOPROTEIN, full insert sequence.- Mus musculus (Mouse).
6.	Q8BK65_MOUSE	69103	51	11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2700028A11 product:ALPHA-FETOPROTEIN, full insert sequence.- Mus musculus (Mouse).
7.	Q9DA13_MOUSE	16542	43	Adult male testis cDNA, RIKEN full-length enriched library, clone:1700023F06 product:hypothetical protein, full insert sequence.- Mus musculus (Mouse).
8.	Q9QVM3_9MURI	4291	42	Glutathione S-transferase subunit YB5.- Mus sp.
9.	Q3TGA3_MOUSE	66099	42	17 days pregnant adult female amnion cDNA, RIKEN full-length enriched library, clone:I920057I16 product:alpha fetoprotein, full insert sequence. (Fragment).- Mus musculus (Mouse).
10.	CAA24546	15486	41	RNFETO NID: - Rattus norvegicus

SPOT-2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2.5
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1.5
1.0
0.5
0.0
1000
1500
2000
2500
3000
m/z
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-1009.576
-1128.580
-1186.584
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-3186.577

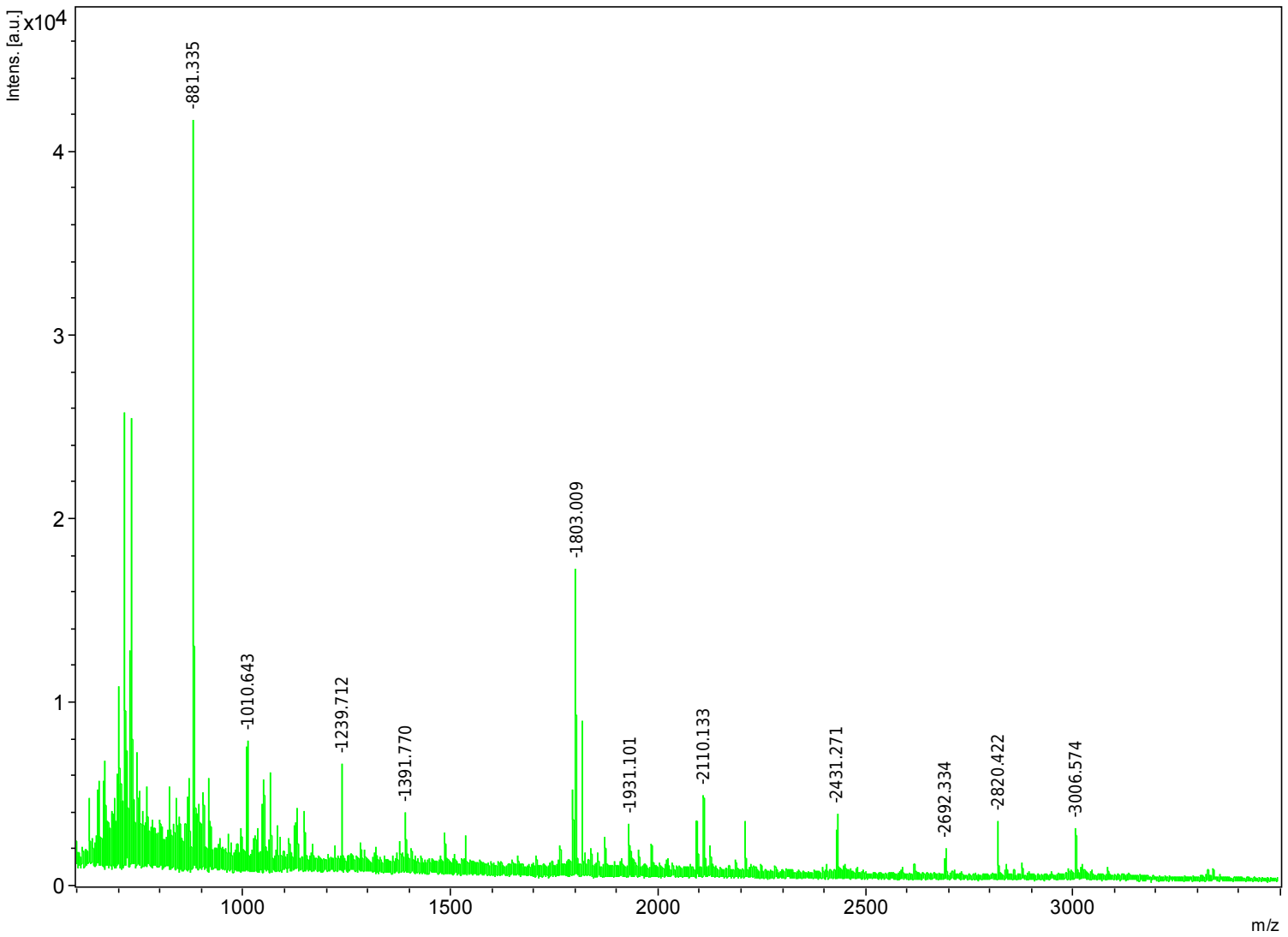
Lista de Masas / Intensidad Relativa

Masa	I.R.	1186.6	5236	1613.9	4932.1	2005	7685.2	2559.3	895.58
847.54	5994.4	1330.8	3133.9	1620.7	1579	2013	1120.6	2781.3	1672.1
897.51	4107	1372.6	2596.4	1629.9	966.28	2045.1	1220.2	2848.3	5793
927.53	2381.7	1419.7	1654.4	1644.9	2353.4	2096.1	865.82	2936.5	1291.1
947.48	2857.4	1439.8	1083.8	1685	1914.2	2101.1	4781.3	2953.5	3102.4
1009.6	7332.5	1488.8	3277.2	1743	1202.1	2141.1	1008.8	3104.4	1336.6
1011.7	1841.2	1523.8	1079	1898.9	835.42	2196.1	1283	3186.6	2356.1
1124.6	1874	1528.7	1720.7	1913.1	832.69	2257.2	5698		
1128.6	2122.2	1537.8	1193.7	1931.1	24694	2492.2	1557.6		
		1567.8	3721.9	1948	970.6	2529.2	633.96		

Resultados

	Accession	Mass	Score	Description
1.	Q4QR90_RAT	70239	358	Alpha-fetoprotein.- Rattus norvegicus (Rat).
2.	FPRT	70166	357	alpha-fetoprotein precursor - rat
3.	CAA24567	60233	342	RNOAFP NID: - Rattus norvegicus
4.	AAC40198	20285	58	AF053103 NID: - Rattus norvegicus
5.	AAC40197	24721	52	AF053102 NID: - Rattus norvegicus
6.	JC5962	34474	48	paired-box containing transcription factor 4b - mouse
7.	CAD87440	36778	46	Sequence 3 from Patent WO02086107.- Mus musculus (Mouse). Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:I830033G21
8.	Q3U9R7_MOUSE	49425	46	product:glutathione reductase 1, full insert sequence. (Fragment).- Mus musculus (Mouse).
9.	JC5961	37374	46	paired-box containing transcription factor 4a - mouse
10.	JC5827	38726	45	paired-box containing transcription factor 4 - mouse

SPOT-3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-2431.271
-2692.334
-2820.422
-3006.574
1000
1500
2000
2500
3000
m/z

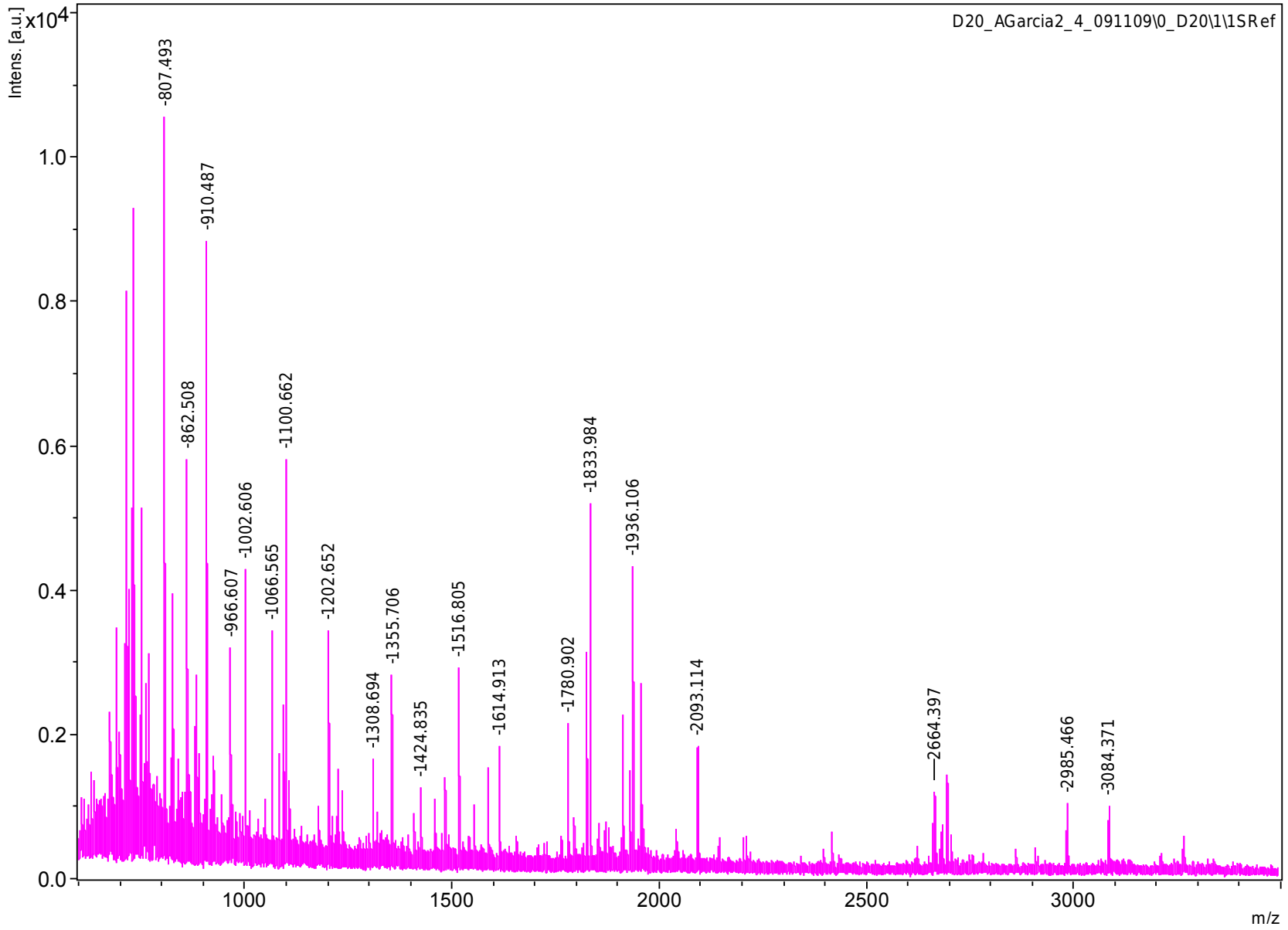
Lista de Masas / Intensidad Relativa

Masa	I.R.	1052.1	4386	1803	15710	2093.1	2560.8	2820.4	1789.3
881.33	39521	1069.1	4712	1817	7046.4	2110.1	3733.5	3006.6	1533.7
885.09	4424.4	1239.7	5557.2	1874.1	1739.9	2126.1	1224.4		
1010.6	6890.4	1391.8	2915.1	1931.1	2157	2431.3	2471.9		
		1794.9	4210	1986	1328.2	2692.3	904.95		

Resultados

	Accession	Mass	Score	Description
1.	B28055	48577	91	T-kininogen, LMW II precursor - rat
2.	KGRTM	47962	76	major acute phase alpha-1 protein precursor - rat (fragment)
3.	CAA26162	48058	76	RNMAP01 NID: - Rattus norvegicus
4.	KGRTT1	48757	76	T-kininogen I precursor - rat
5.	Q5PQU1_RAT	48817	76	Kininogen 1.- Rattus norvegicus (Rat).
6.	KNT1_RAT	48828	76	T-kininogen 1 precursor (T-kininogen I) (Major acute phase protein) (Alpha-1-MAP) (Thiostatin) [Contains: T-kininogen 1 heavy chain (T- kininogen I heavy chain); T-kinin; T-kininogen 1 light chain (T- kininogen I light chain)].- Rattus norvegicus (R
7.	AAA41570	48324	76	RATMAPA1A NID: - Rattus norvegicus
8.	A23897	48809	76	major acute phase alpha-1 protein (version 2) - rat
9.	Q5M894_RAT	48757	75	Similar to alpha-1 major acute phase protein prepeptide.- Rattus norvegicus (Rat).
10.	Q63581_RAT	48671	60	Rat T-kininogen (T-KG).- Rattus norvegicus (Rat).

SPOT-4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-1833.984
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1000
1500
2000
2500
3000
m/z

Lista de Masas / Intensidad Relativa

Masa	I.R.	966.61	2932.1	1227.6	1324.4	1780.9	1977.1	2664.4	669.63
807.49	7206.8	1002.6	3821	1308.7	1435.2	1826.2	2749.3	2667.3	461.04
808.51	6824.2	1066.6	3791.7	1355.7	2621.3	1834	4747.6	2694.5	542.85
827.06	2736.1	1081.7	1427.9	1424.8	996.79	1913	1816	2985.5	521.62
828.07	2740	1094.7	1955.6	1486.8	1209	1929.9	1197.8	3084.4	487.55
862.51	5286.4	1100.7	5497.3	1516.8	2671.8	1936.1	3782.7		
910.49	8370.9	1202.7	3072.3	1587.9	1220.2	1958	1927.5		
		1206.7	1631.8	1614.9	1566.6	2093.1	1383.7		

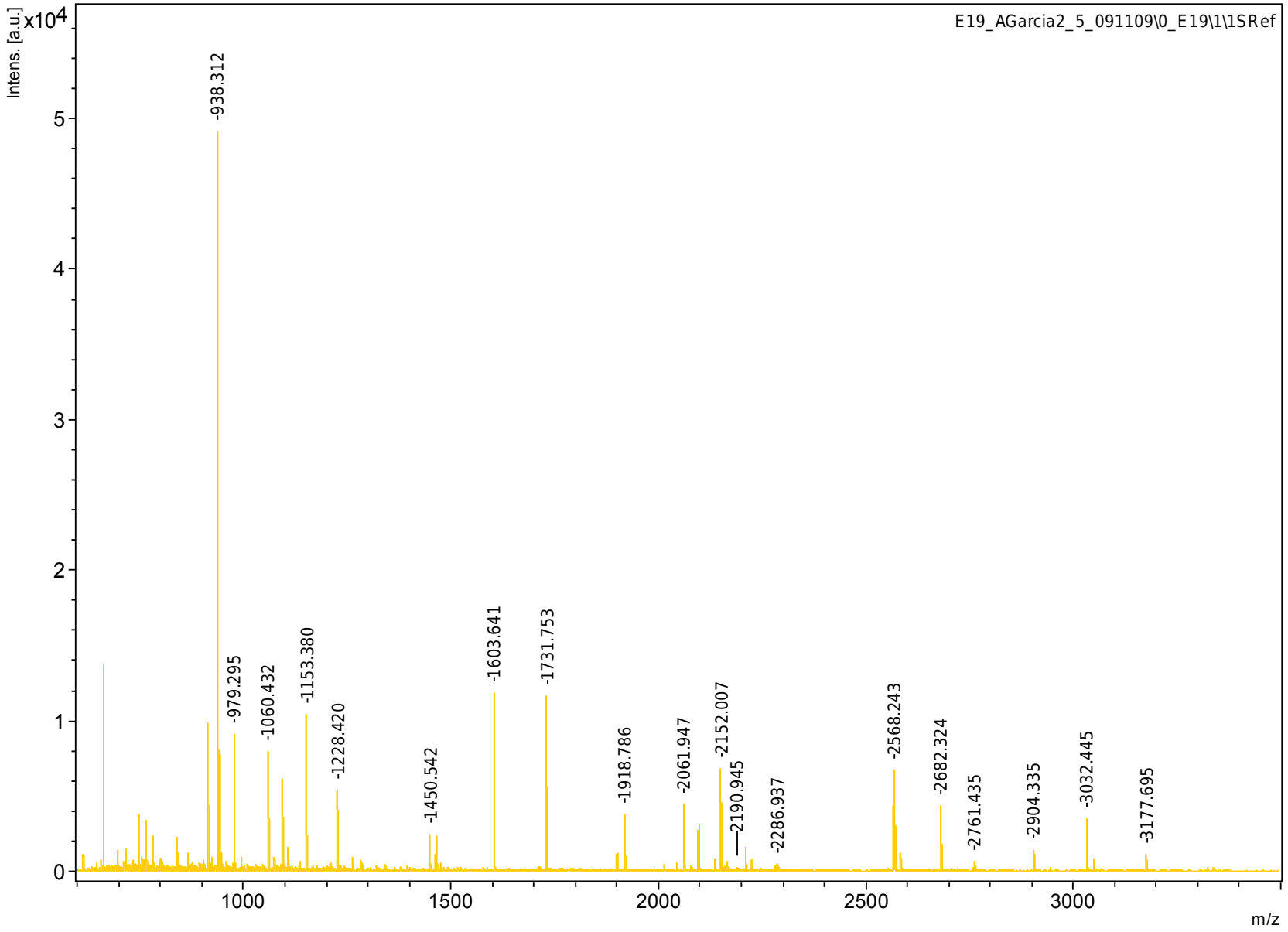
Resultados

	Accession	Mass	Score	Description
1.	AAA40620	54375	306	RAT5MDAA NID: - Rattus norvegicus
2.	ISRTSS	57228	301	protein disulfide-isomerase (EC 5.3.4.1) precursor [validated] - rat
3.	AAH61857	57315	300	BC061857 NID: - Rattus norvegicus Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:G530110G01
4.	Q3UDR2_MOUSE	56965	246	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence. (Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:G530001F08 product:prolyl 17 days pregnant adult female amnion cDNA, RIKEN full-length enriched library,
5.	Q3TGS0_MOUSE	57407	246	clone:I920038I15 product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse).
6.	Mixture 1		245	AAA40619 + Q1KLB8_SPETR
7.	ISMSSS	57422	245	protein disulfide-isomerase (EC 5.3.4.1) precursor - mouse Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:I830015B14
8.	Q3UBY9_MOUSE	57498	245	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). Osteoclast-like cell cDNA, RIKEN full-length enriched library, clone:I420029D17
9.	Q3TWE3_MOUSE	57450	245	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). CRL-1722 L5178Y-R cDNA, RIKEN full-length enriched library, clone:I730091N22
10.	Q3THC3_MOUSE	57452	245	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). TIB-55 BB88 cDNA, RIKEN full-length enriched library, clone:I730026L04
11.	Q3TIM0_MOUSE	57399	245	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). 17 days embryo kidney cDNA, RIKEN full-length enriched library, clone:I920160L24
12.	Q3TF72_MOUSE	57452	245	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus

(Mouse).

13.	**CAA29759**	57507	243	MMTHBPC NID: - Mus musculus 7 days embryo whole body cDNA, RIKEN full-length enriched library,
14.	**Q3URP6_MOUSE**	57419	229	clone:C430024I01 product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). 17 days embryo stomach cDNA, RIKEN full-length enriched library, clone:I920024A04
15.	**Q3UJA8_MOUSE**	57350	228	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse). Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:I830031J06
16.	**Q3UA23_MOUSE**	57421	226	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence (Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:I830028G22 product:prolyl Bone marrow macrophage cDNA, RIKEN full-length enriched library, clone:I830087B10
17.	**Q3U738_MOUSE**	57466	222	product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence.- Mus musculus (Mouse).
18.	**AAM00284**	57374	204	AF364317 NID: - Cricetulus griseus 11 days pregnant adult female ovary and uterus cDNA, RIKEN full-length enriched
19.	**Q3TT76_MOUSE**	43290	201	library, clone:5033414I01 product:prolyl 4-hydroxylase, beta polypeptide, full insert sequence. (Fragment).- Mus musculus (Mouse).
20.	**AAA40619**	30250	173	RAT5MDA NID: - Rattus norvegicus

SPOT-5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Intens. [a.u.]
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m/z

Lista de Masas / Intensidad Relativa

Masa	I.R.	1075.3	894.46	1469.4	392.47	2080.8	328.19	2584.2	753.64
916.3	9399.7	1095.4	5917.2	1475.6	403.83	2098.7	2585.7	2682.3	2798
923.29	832.41	1107.4	1360.5	1603.6	11953	2137.1	625.68	2705.2	128.17
938.31	50199	1153.4	10415	1731.8	11469	2152	5768.7	2761.4	366.36
946.22	7591.2	1228.4	5603	1900.8	1140.7	2158.8	268.03	2904.3	789.38
979.3	8978.6	1263.4	811.4	1918.8	3225.2	2168	473.28	3032.4	1959.1
997.28	781.88	1450.5	2443.6	2015	340.88	2190.9	210.34	3049.6	477.87
1060.4	7486.2	1462.5	1046.6	2044.9	535.47	2286.9	363.01	3177.7	527.59
		1467.6	2207.8	2061.9	3633.7	2568.2	4734.8		

Resultados

	Accession	Mass	Score	Description
1.	AAA40788	45978	139	RATATRA1 NID: - Rattus norvegicus
2.	ITRT	46278	137	alpha-1-antitrypsin precursor - rat
3.	AAH78824	46264	137	BC078824 NID: - Rattus norvegicus
4.	BAA00579	46262	109	RATA1PI NID: - Rattus norvegicus
5.	CAA34349	22868	59	RNSPILP NID: - Rattus norvegicus
6.	BAC33377	29288	35	AK048567 NID: - Mus musculus
7.	AAZ93382	13045	32	DQ164183 NID: - Mus musculus
8.	AAA40189	3256	31	MOUSE T CELL RECEPTOR REARRANGED ALPHA-CHAIN GENE V-J REGION, PARTIAL CDS (FRAGMENT).- Mus musculus (Mouse).
9.	S17609	10831	30	Ig heavy chain V region - mouse
10.	Q80X42_MOUSE	84511	30	Spg7 protein (Fragment).- Mus musculus (Mouse).

LOTE 081110 ó LOTE 2

CENTRO DE INVESTIGACIÓN DEL CÁNCER

Unidad de Proteómica

INFORME DE RESULTADOS

Fecha: 26/01/2011

Usuario

AGarcia, Lab15, INCYL-Salamanca

Muestra

Gel 2D

Responsable/s Técnica

Rosa Dégano

Código Proteored

Código Interno

AGarcia3

Responsable/s Informe

Rosa Dégano

Procedimiento

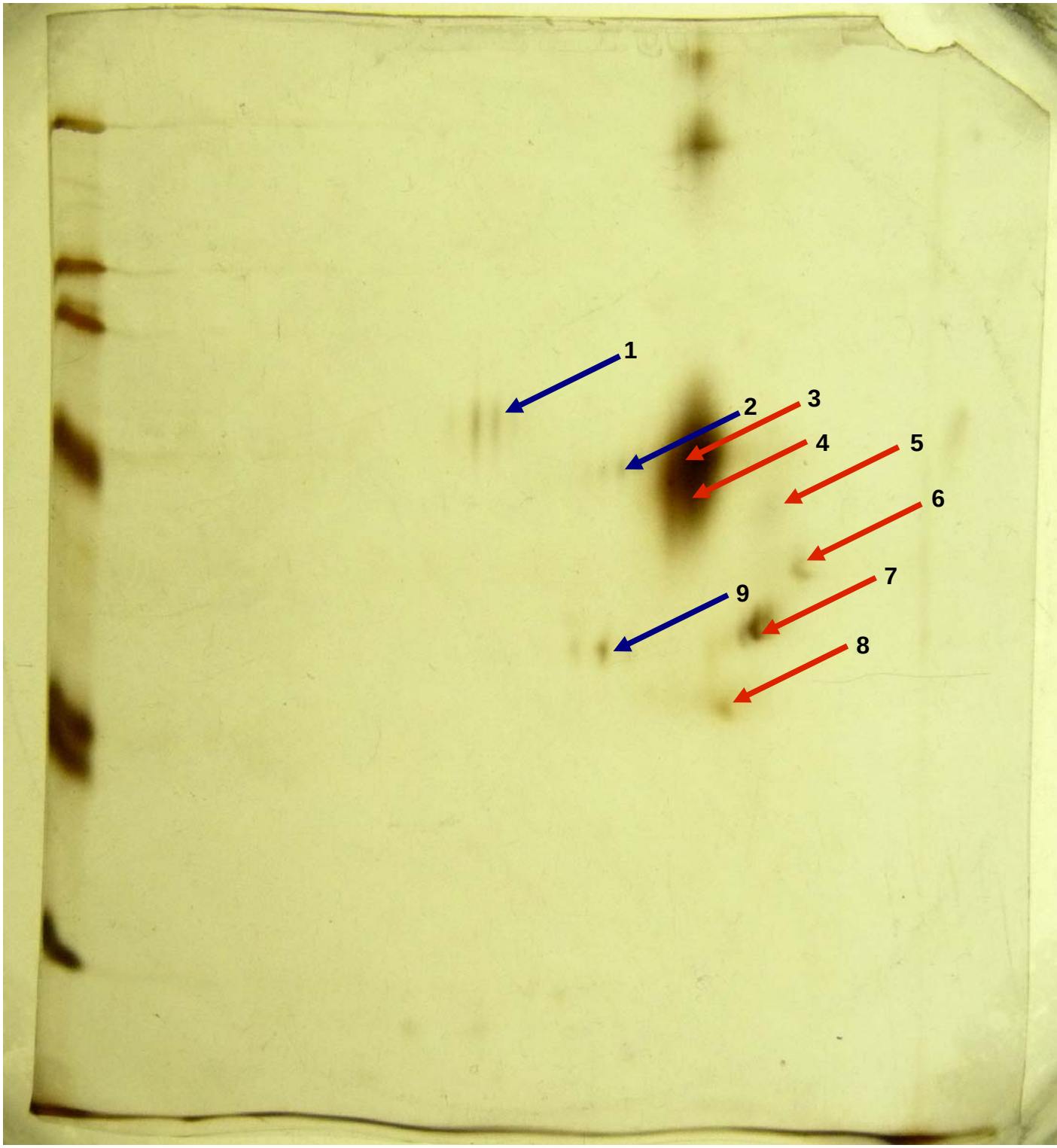
Corte de los spots indicados, digestión en gel con tripsina, análisis de los fragmentos trípticos obtenidos mediante MALDI-TOF y búsqueda en base de datos SwissProt o MSDB no redundante.

Resultados obtenidos

CRITERIOS DE BÚSQUEDA

Database: NCBInr 20110121 (12747899 sequences; 4353474013 residues)
Taxonomy: Rodentia (Rodents) (229470 sequences)
Modifications: Carbamidomethyl (C), Oxidation (M)

El valor **Score** es -10*Log(P), siendo P la probabilidad de que el resultado obtenido sea al azar. Un resultado es significativo ($p<0.05$) cuando el valor del **Score** supera **66**.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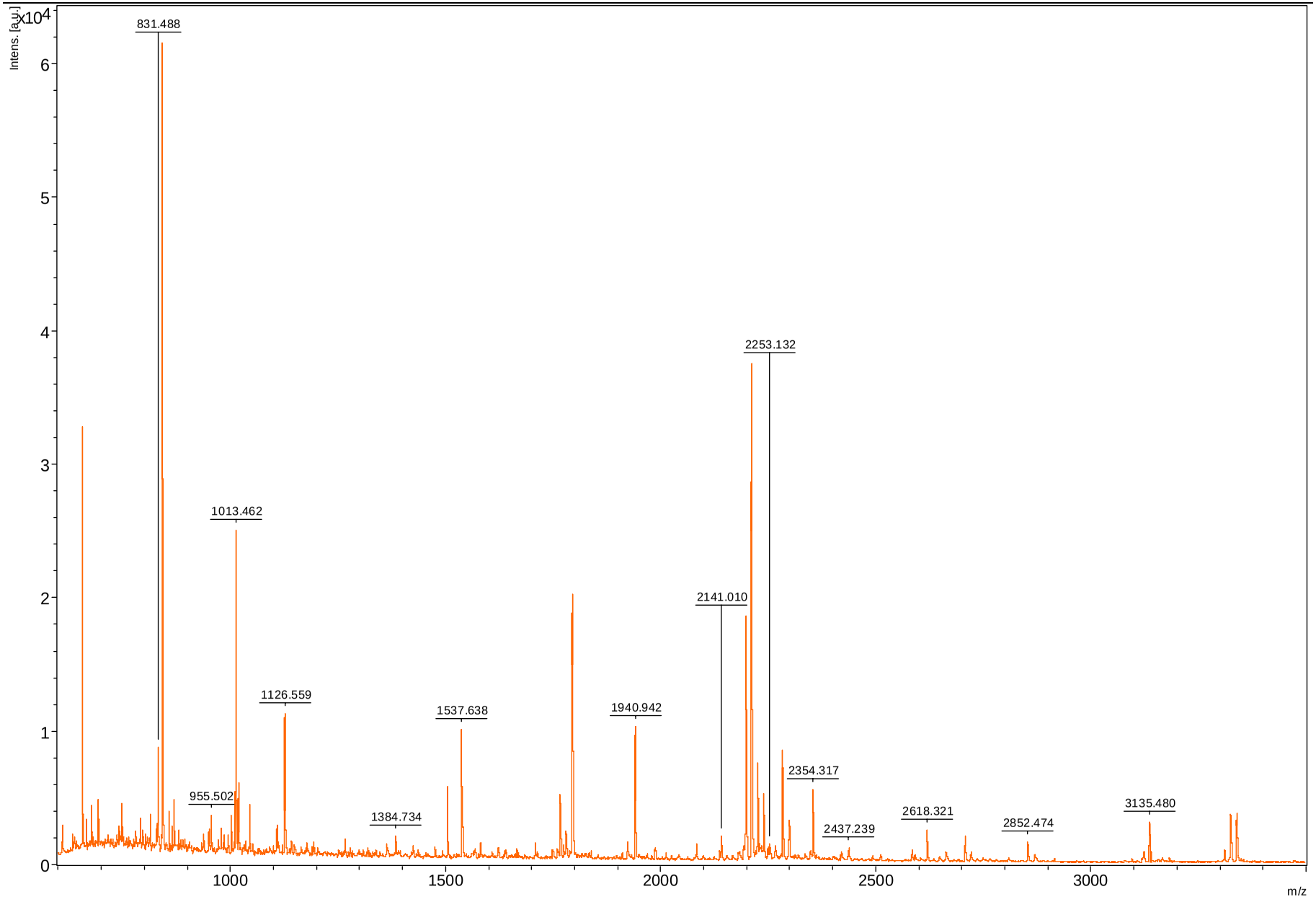
9

Control de calidad



Lista de Masas / Intensidad Relativa

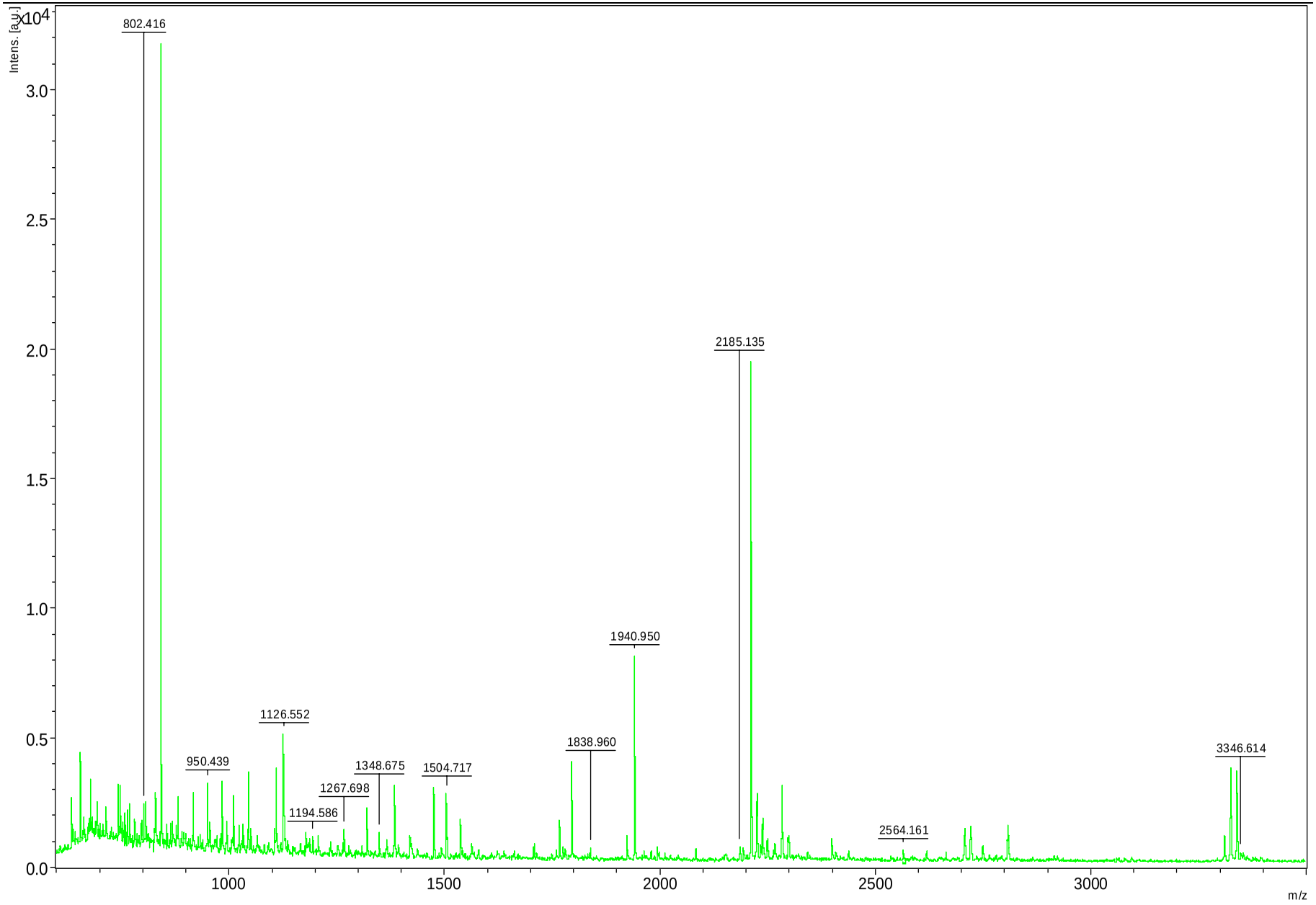
Masa	I.R.	1018.5	5704	1537.6	9866.5	2354.3	4015.4	2852.5	957.55
831.49	7363.3	1109.5	2504	1922.9	1161.7	2437.2	641.5	3122.6	446.27
955.5	3068.1	1126.6	12416	1940.9	9088.1	2584.2	496	3135.5	1663.8
1002.5	3124.1	1384.7	1655.4	2141	1393.3	2618.3	1816.2		
1013.5	23115	1504.7	5562.7	2253.1	670.34	2662.4	534.11		

Resultados

Búsqueda realizada con todas las entradas NCBInr 20110121 (12747899 sequences; 4353474013 residues) Score significativo >84

	Accession	Mass	Score	Description
1.	gi|46016008	28965	**123**	Chain A, Crystal Structure Analysis Of Bovine Carbonic Anhydrase Ii
2.	gi|30466252	29096	**123**	carbonic anhydrase 2 [Bos taurus]
3.	gi|46016010	29313	**106**	Chain C, Crystal Structure Analysis Of The Site Specific Mutant (Q253c) Of Bovine Carbonic Anhydrase Ii
4.	gi|218199286	38228	78	hypothetical protein OsI_25323 [Oryza sativa Indica Group]
5.	gi|56202236	34462	78	hypothetical protein [Oryza sativa Japonica Group]
6.	gi|296480399	27675	71	carbonic anhydrase II [Bos taurus]
7.	gi|194443089	46432	70	aminotransferase [Salmonella enterica subsp. enterica serovar Newport str. SL254]
8.	gi|38344115	114844	67	OSJNBb0050O03.12 [Oryza sativa (japonica cultivar-group)]
9.	gi|145633086	18934	66	dipeptide transport ATP-binding protein [Haemophilus influenzae 3655]
10.	gi|84685362	51670	66	sensor histidine kinase [Maritimibacter alkaliphilus

SPOT-1


Intens. [a.u.]
x10^4
3.0
2.5
2.0
1.5
1.0
0.5
0.0
802.416
950.439
1126.552
1194.586
1267.698
1348.675
1504.717
1838.960
1940.950
2185.135
2564.161
3346.614
1000
1500
2000
2500
3000
m/z

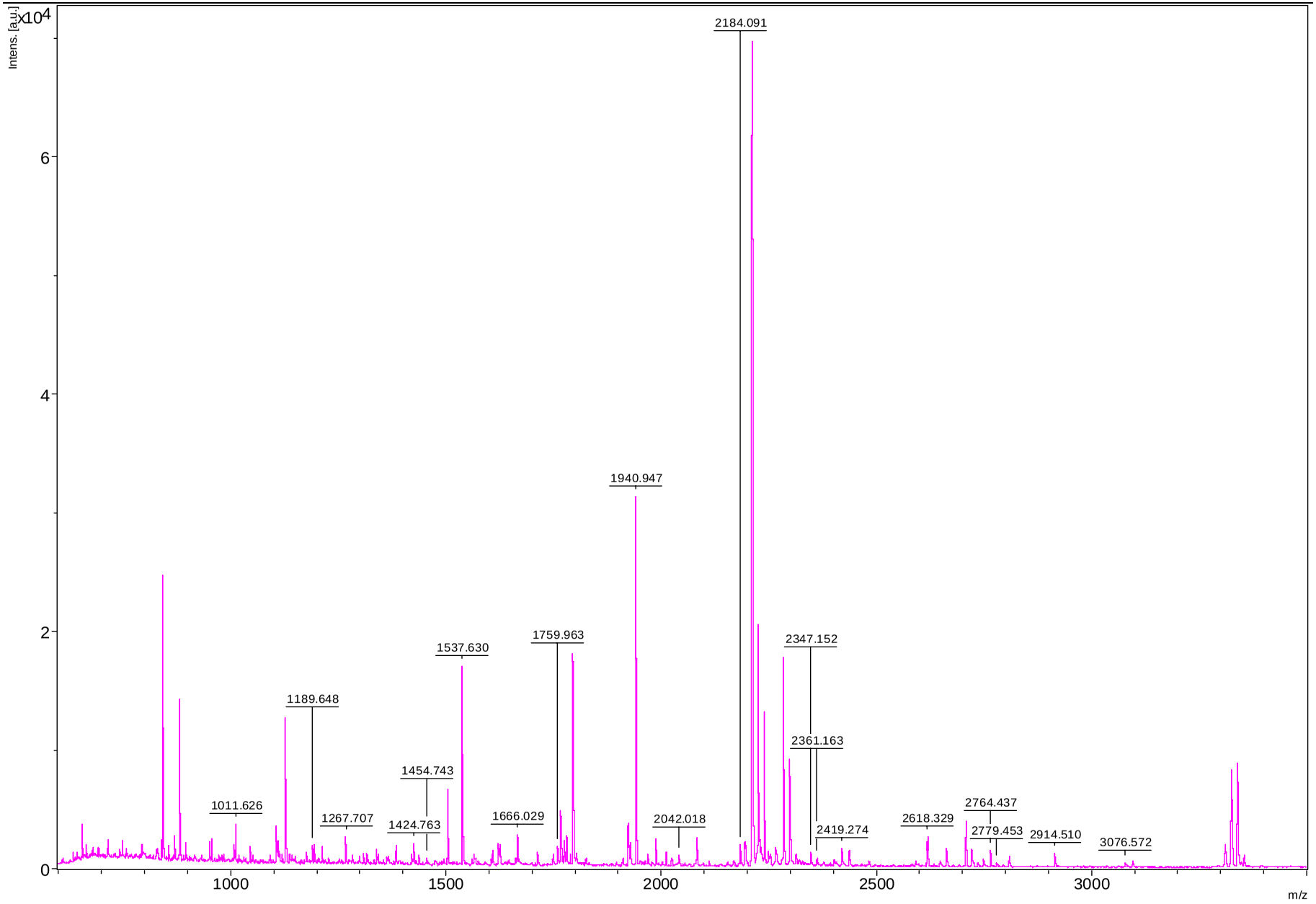
Lista de Masas / Intensidad Relativa

Masa	I.R.	1011.6	1835.4	1194.6	727.63	1423.7	476.51	1941	7023.2
802.42	1788.6	1023.4	957.41	1208.6	684.36	1437.7	341.1	2185.1	412.7
878.45	1050.3	1033.5	1053.2	1267.7	1046.2	1504.7	2526	2564.2	257.43
950.44	2823.6	1044.5	849.76	1308.7	542.56	1537.6	1639.2	2618.3	238.34
955.48	1308.1	1051.5	968.6	1348.7	970.36	1562.8	638.18	3346.6	139.08
984.48	2793.7	1109.5	3312.9	1392.7	521.8	1839	341.32		
995.5	1236.1	1126.6	5107.9	1420.7	951.24	1922.9	935		

Resultados

	Accession	Mass	Score	Description
1.	gi|74146602	71289	**79**	unnamed protein product [Mus musculus]
2.	gi|165905557	71298	**79**	ubiquitin associated and SH3 domain containing, A [Mus musculus]
3.	gi|148708418	75349	77	ubiquitin associated and SH3 domain containing, A, isoform CRA_a [Mus musculus]
4.	gi|148708419	65921	71	ubiquitin associated and SH3 domain containing, A, isoform CRA_b [Mus musculus]
5.	gi|149047362	18648	57	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), gamma isoform [Rattus norvegicus]
6.	gi|51593321	180856	56	Cancer susceptibility candidate 5 [Mus musculus]
7.	gi|126540737	180879	56	cancer susceptibility candidate 5 [Mus musculus]
8.	gi|97044648	180895	56	RecName: Full=Protein CASC5; AltName: Full=Cancer susceptibility candidate gene 5 protein homolog; AltName: Full=Kinetochore-null protein 1
9.	gi|148688609	88287	56	mCG1037266, isoform CRA_b [Mus musculus]
10.	gi|26339762	51766	55	unnamed protein product [Mus musculus]

SPOT-2


Intens. [a.u.]
x10^4
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4
2
0
2184.091
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1537.630
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1189.648
2361.163
1454.743
1011.626
1267.707
1424.763
1666.029
2042.018
2419.274
2618.329
2764.437
2779.453
2914.510
3076.572
1000
1500
2000
2500
3000
m/z

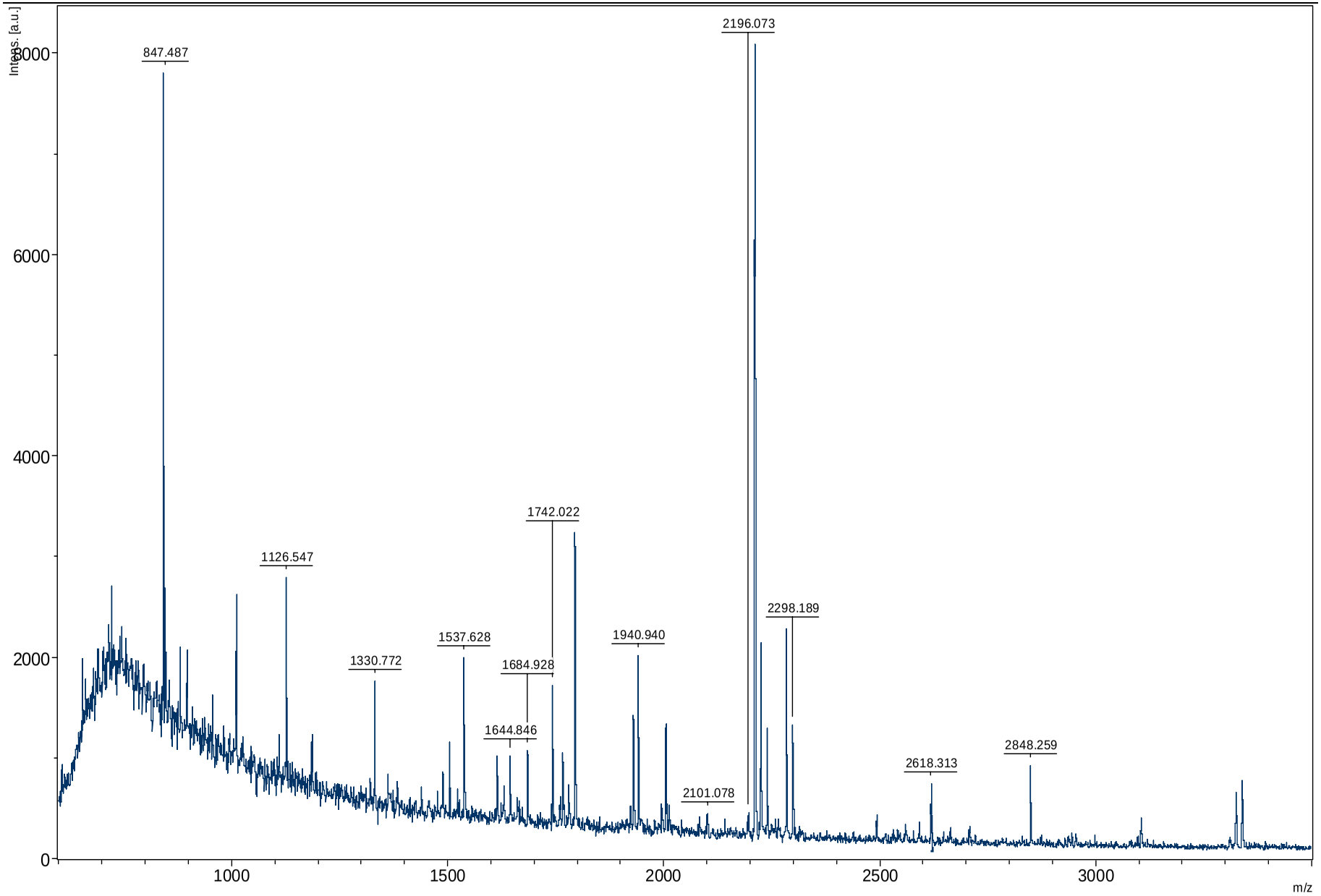
Lista de Masas / Intensidad Relativa

Masa	I.R.
950.44	1779.1
955.5	2213.8
1008.5	1545.1
1011.6	3122.3
1019.5	674.58
1109.5	1265.7
1113.5	1068.2
1137.6	848.84
1189.6	1722.5
1194.6	1648.9
1212.6	1402.9
1226.6	659.55
1267.7	2449.4
1282.7	700.28
1298.7	1096
1316.7	1016.6
1338.8	1285
1342.8	908.28
1363.7	707.33
1366.6	600.52
1392.7	415.22
1420.7	1037.6
1424.8	2023.2
1430.8	436.99
1437.7	904.99
1454.7	695.33
1495.7	531.26
1504.7	6418
1537.6	16660
1559.6	603.27
1565.8	1032.3
1568.8	537.66
1625.9	1320.6
1660.8	645.95
1666	2496.2
1747.9	876.13
1757.9	612.07
1760	1367.1
1802.9	997.27
1911	663.34
1922.9	3528.9
1928	1800.9
1940.9	28418
1962.9	371.39
1969	881.98
1987.1	2035.4
2024	666.26
2042	792.29
2111.1	354.16
2184.1	1589.4
2230.2	1546.4
2249.1	977.78
2313.2	792.19
2347.2	822.25
2361.2	475.27
2402.3	315.6
2406.2	266.39
2419.3	1102.2
2437.3	1092.3
2483.3	285.96
2590.3	326.38
2618.3	1896
2648.4	284.57
2662.4	1041.1
2735.4	212.2
2764.4	912.32
2779.5	166.62
2914.5	636.64
3076.6	192.72

Resultados

	Accession	Mass	Score	Description
1.	gi|148704532	60153	**122**	mCG146314, isoform CRA_b [Mus musculus]
2.	gi|148704533	55267	**113**	mCG146314, isoform CRA_c [Mus musculus]
3.	gi|26342733	54668	**113**	unnamed protein product [Mus musculus]
4.	gi|26351073	59930	**110**	unnamed protein product [Mus musculus]
5.	gi|148704531	108894	**110**	mCG146314, isoform CRA_a [Mus musculus]
6.	gi|145699091	787997	**74**	nesprin-2 [Mus musculus]
7.	gi|58865918	36609	**70**	probable tRNA pseudouridine synthase 1 [Rattus norvegicus]
8.	gi|149040480	27743	59	rCG57442, isoform CRA_a [Rattus norvegicus]
9.	gi|293359999	438665	58	PREDICTED: spectrin repeat containing, nuclear envelope 2, partial [Rattus norvegicus]
10.	gi|148669836	29776	57	TruB pseudouridine (psi) synthase homolog 1 (E. coli), isoform

SPOT-3


Intens. [a.u.]
8000
6000
4000
2000
0
1000
1500
2000
2500
3000
m/z
847.487
1126.547
1330.772
1537.628
1644.846
1684.928
1742.022
1940.940
2101.078
2196.073
2298.189
2618.313
2848.259

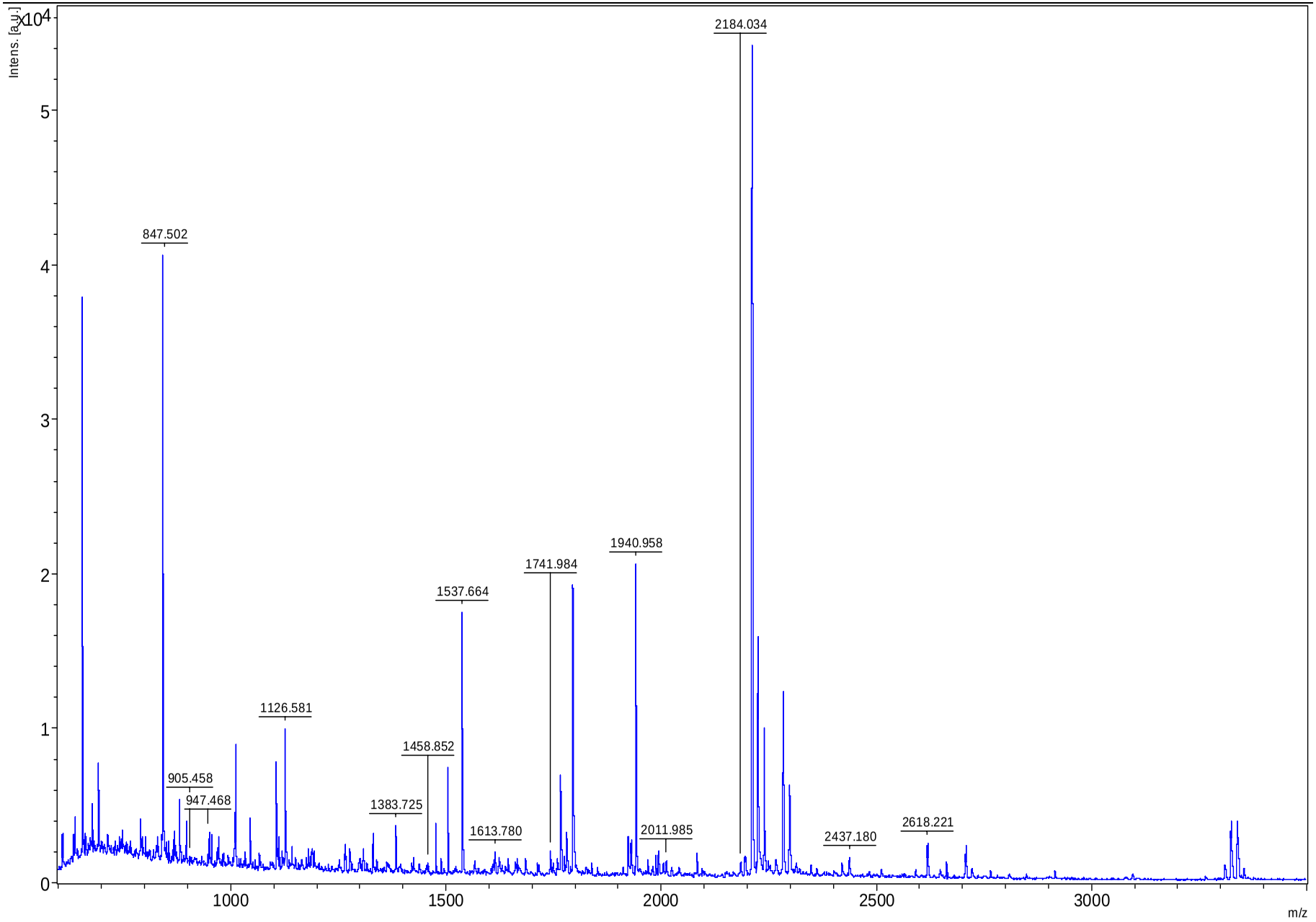
Lista de Masas / Intensidad Relativa

Masa	I.R.	1126.5	2504.6	1537.6	1714.3	1742	1237.8	2196.1	193.28
847.49	1731.3	1186.5	791.66	1613.8	695.57	1931.1	1052.1	2298.2	945.16
897.47	1267.7	1330.8	1412.2	1614.8	562.41	1940.9	1513.2	2618.3	411.99
1009.5	1292.7	1488.7	554.55	1644.8	751.12	2005	1039.8	2848.3	479.33
1011.6	1688.2	1523.7	347.6	1684.9	767.07	2101.1	197.57		

Resultados

	Accession	Mass	Score	Description
1.	gi|809077	60233	**247**	alpha-fetoprotein [Rattus norvegicus]
2.	gi|6978471	70166	**232**	alpha-fetoprotein precursor [Rattus norvegicus]
3.	gi|228784	70167	**232**	alpha fetoprotein
4.	gi|67677932	70239	**232**	Alpha-fetoprotein [Rattus norvegicus]
5.	gi|149033755	70179	**232**	alpha-fetoprotein, isoform CRA_a [Rattus norvegicus]
6.	gi|149033756	37541	**122**	alpha-fetoprotein, isoform CRA_b [Rattus norvegicus]
7.	gi|37590243	16693	49	Aldoc protein [Rattus norvegicus]
8.	gi|19424314	14347	49	potassium voltage-gated channel subfamily E member 2 [Rattus norvegicus]
9.	gi|293354043	17005	48	PREDICTED: rCG64411-like [Rattus norvegicus]
10.	gi|149065044	61157	46	rCG27957, isoform CRA_b [Rattus norvegicus]

SPOT-4


Intens. [a.u.]
x10^4
5
4
3
2
1
0
847.502
2184.034
1940.958
1741.984
1537.664
1126.581
1458.852
905.458
947.468
1383.725
1613.780
2011.985
2437.180
2618.221
1000
1500
2000
2500
3000
m/z

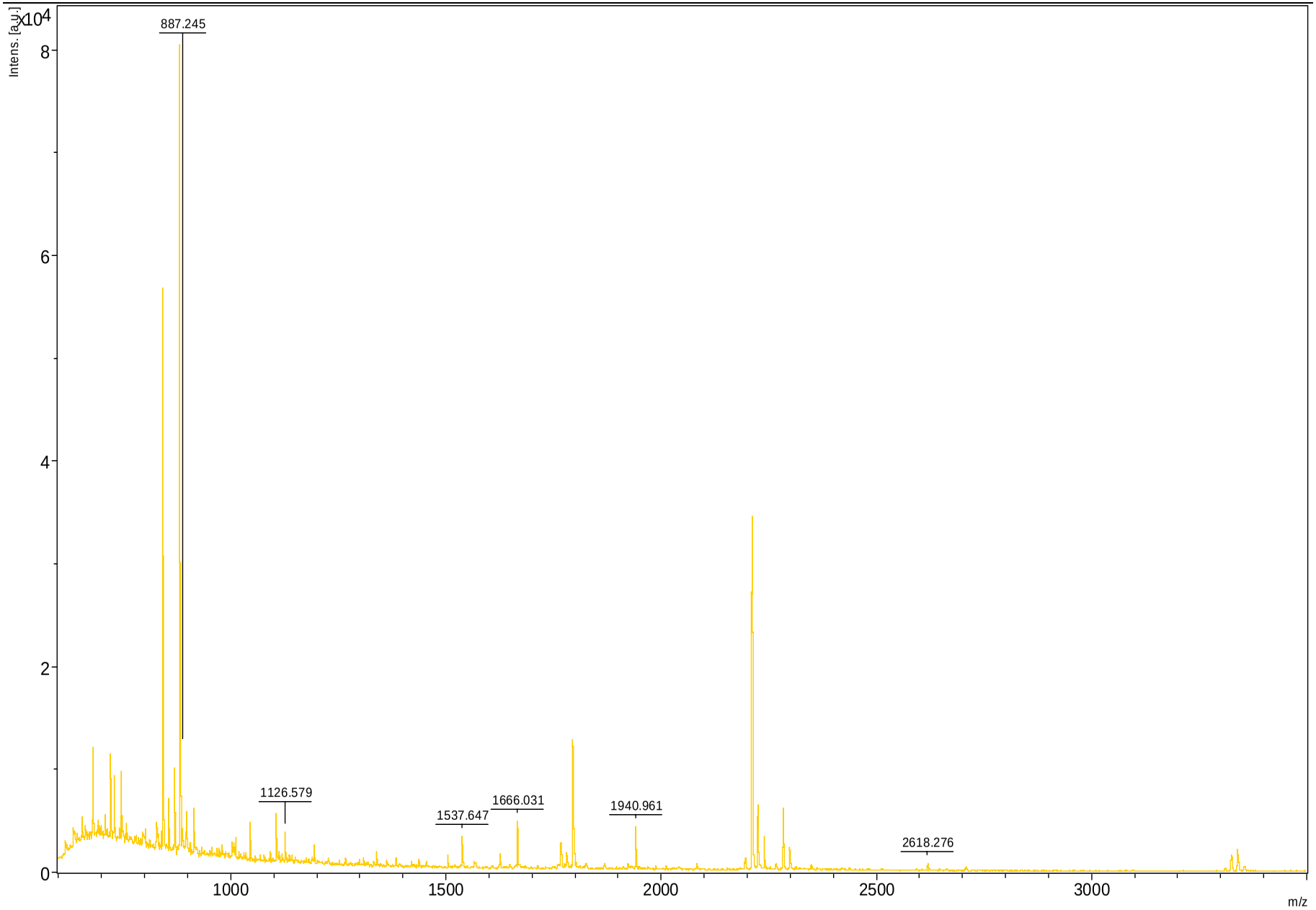
Lista de Masas / Intensidad Relativa

Masa	I.R.	1069.6	794.48	1458.9	1251	1684.9	1032.8	2184	938.29
847.5	3274	1124.6	1556	1475.8	3407.1	1742	1534.5	2196.1	692.84
897.45	2808.3	1126.6	11142	1488.7	1028.7	1922.9	2412.2	2437.2	910.3
905.46	1698	1165.7	664.75	1504.7	6968.7	1931	2099.6	2618.2	1703.1
947.47	997.28	1186.6	1157.5	1537.7	16400	1941	18446	2662.2	685.76
1009.5	3348.2	1277.7	1701.5	1613.8	1364.3	1987	1205		
1011.7	7581.2	1330.8	2778	1622.8	961.96	2012	838.85		
1023.5	700.51	1383.7	3235.4	1644.8	944.56	2101.2	721		

Resultados

	Accession	Mass	Score	Description
1.	gi|809077	60233	**261**	alpha-fetoprotein [Rattus norvegicus]
2.	gi|6978471	70166	**238**	alpha-fetoprotein precursor [Rattus norvegicus]
3.	gi|228784	70167	**238**	alpha fetoprotein
4.	gi|67677932	70239	**238**	Alpha-fetoprotein [Rattus norvegicus]
5.	gi|149033755	70179	**238**	alpha-fetoprotein, isoform CRA_a [Rattus norvegicus]
6.	gi|149033756	37541	**157**	alpha-fetoprotein, isoform CRA_b [Rattus norvegicus]
7.	gi|74223003	66099	62	unnamed protein product [Mus musculus]
8.	gi|163310738	69118	60	alpha-fetoprotein precursor [Mus musculus]
9.	gi|26345198	69190	60	unnamed protein product [Mus musculus]
10.	gi|26345002	69103	60	unnamed protein product [Mus musculus]

SPOT-5


Intens. [a.u.]
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6
4
2
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1126.579
1537.647
1666.031
1940.961
2618.276
1000
1500
2000
2500
3000
m/z

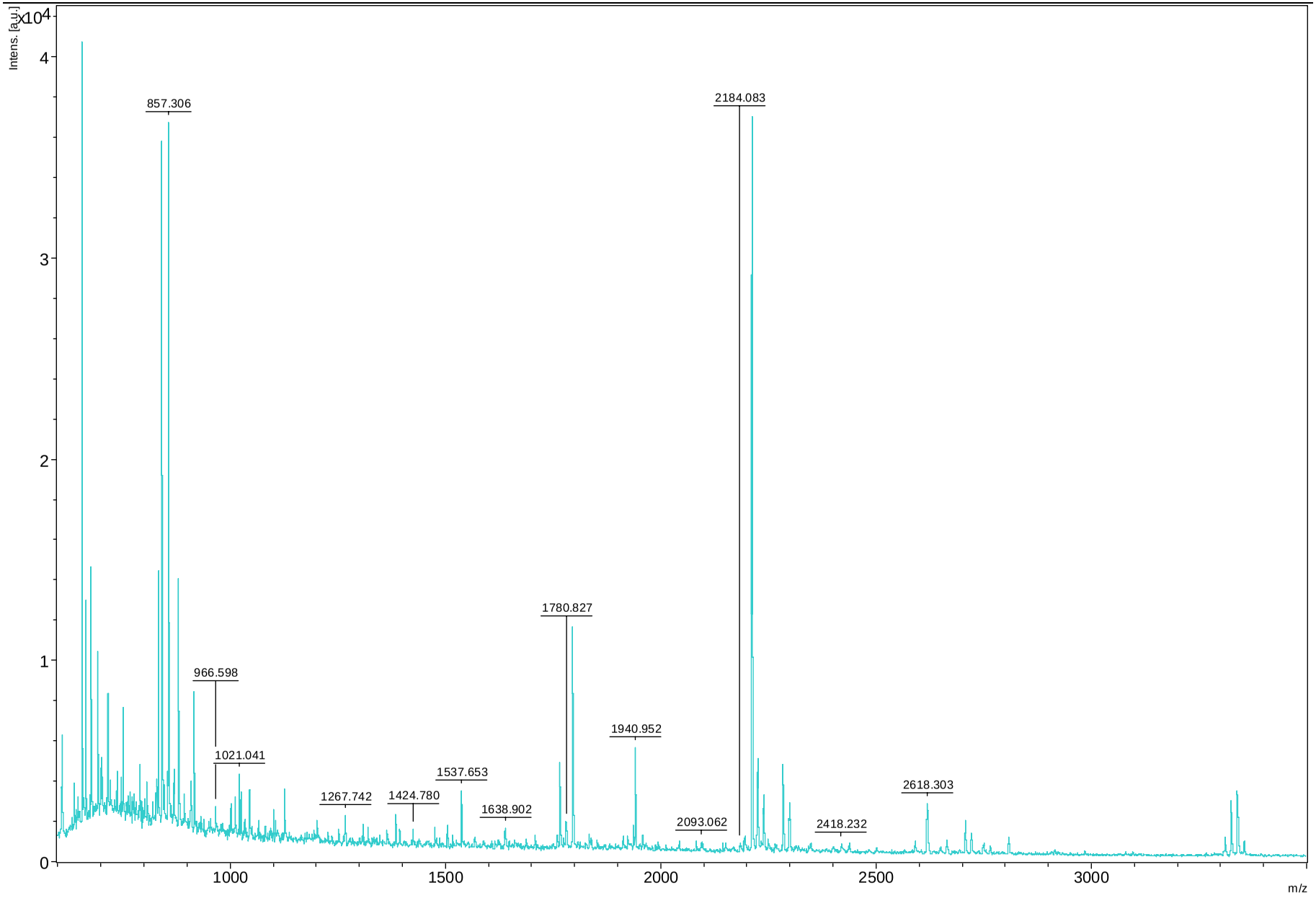
Lista de Masas / Intensidad Relativa

Masa	I.R.						
887.24	5803.5	915.25	4418.5	1537.6	3407.3	1941	3671.4
		1126.6	3340.8	1625.9	1273.8	2618.3	468.5
		1504.7	1372.8	1666	4577.5		

Resultados

	Accession	Mass	Score	Description
1.	gi|148705316	12050	44	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit, isoform CRA_b [Mus musculus]
2.	gi|74179114	25261	40	unnamed protein product [Mus musculus]
3.	gi|148708874	89773	37	ribosomal protein S6 kinase polypeptide 3 [Mus musculus]
4.	gi|148686394	28884	37	mCG1032950 [Mus musculus]
5.	gi|49259435	38324	37	Chain A, Crystal Structure Of Caspase-Activated Dnase (Cad)
6.	gi|31892789	40121	36	DNA fragmentation factor, beta subunit [Mus musculus]
7.	gi|160948620	40222	36	DNA fragmentation factor subunit beta [Mus musculus]
8.	gi|33859811	83302	35	trifunctional enzyme subunit alpha, mitochondrial precursor [Mus musculus]
9.	gi|54887356	83276	35	Hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), alpha subunit [Mus musculus]
10.	gi|148672094	7260	35	mCG147110 [Mus musculus]

SPOT-6


Intens. [a.u.]
x10^4
4
3
2
1
0
857.306
2184.083
1780.827
966.598
1940.952
1021.041
1537.653
1267.742
1424.780
1638.902
2093.062
2418.232
2618.303
1000
1500
2000
2500
3000
m/z

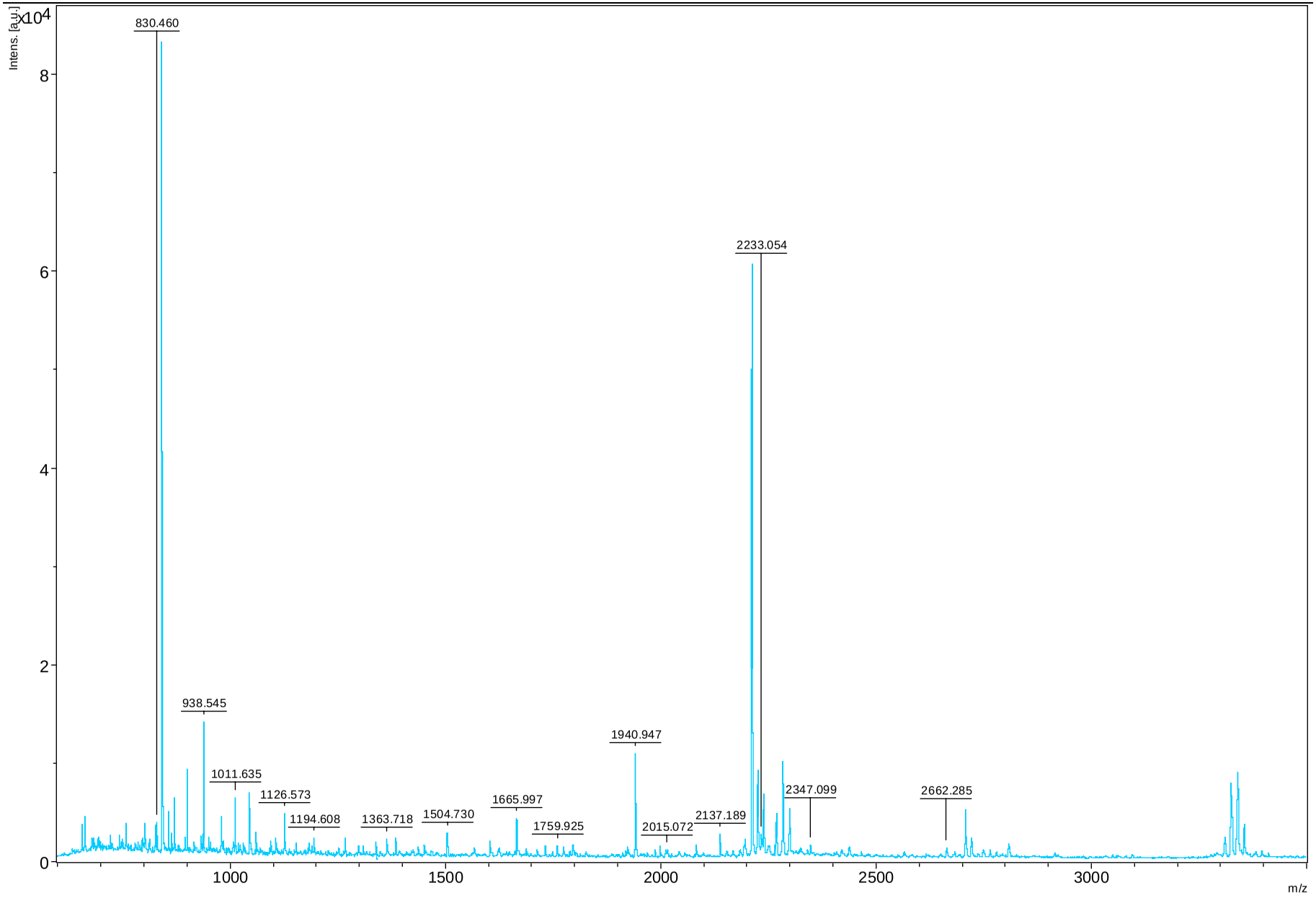
Lista de Masas / Intensidad Relativa

Masa	I.R.								
833.36	12956	1025.3	2414.3	1308.7	1143.8	1537.7	2871.5	1965	255.76
847.32	2372.3	1066.6	1314.9	1330.7	1175.2	1638.9	1071.3	2093.1	691
857.31	34923	1081.6	891.86	1355.7	1080.8	1759.9	698.44	2184.1	425.77
910.49	2681.5	1094.7	790.07	1363.7	998.81	1780.8	1398.7	2418.2	299.61
966.6	1696.7	1100.6	1660.3	1384.8	1581.7	1833.9	742.4	2590.3	404.99
1001.6	1910.1	1126.6	3230.7	1393.7	959.16	1922.9	664.83	2618.3	1758.2
1011.6	1548.4	1202.6	1210.9	1424.8	1015	1936.1	1066.4	2663.3	381.56
1021	3312.4	1227.6	689.08	1504.7	1265	1941	4715		
		1267.7	1647.4	1516.8	744.21	1958	607.47		

Resultados

	Accession	Mass	Score	Description
1.	gi|202549	54375	**193**	iodothyronine 5' monodeiodinase [Rattus norvegicus]
2.	gi|6981324	57228	**190**	protein disulfide-isomerase [Rattus norvegicus] RecName: Full=Protein disulfide-isomerase; Short=PDI; AltName: Full=Cellular
3.	gi|129731	57315	**190**	thyroid hormone-binding protein; AltName: Full=Prolyl 4-hydroxylase subunit beta; Flags: Precursor
4.	Mixture 1		**144**	gi|74149659 + gi|149055036
5.	gi|148702818	59440	**132**	prolyl 4-hydroxylase, beta polypeptide, isoform CRA_a [Mus musculus]
6.	gi|74203945	56965	**132**	unnamed protein product [Mus musculus]
7.	gi|74219772	57407	**131**	unnamed protein product [Mus musculus]
8.	gi|42415475	57422	**131**	protein disulfide-isomerase precursor [Mus musculus]
9.	gi|74138891	57350	**131**	unnamed protein product [Mus musculus]
10.	gi|74141920	57452	**131**	unnamed protein product [Mus musculus]

SPOT-7


Intens. [a.u.]
x10^4
8
6
4
2
0
830.460
938.545
1011.635
1126.573
1194.608
1363.718
1504.730
1665.997
1759.925
1940.947
2015.072
2137.189
2233.054
2347.099
2662.285
1000
1500
2000
2500
3000
m/z

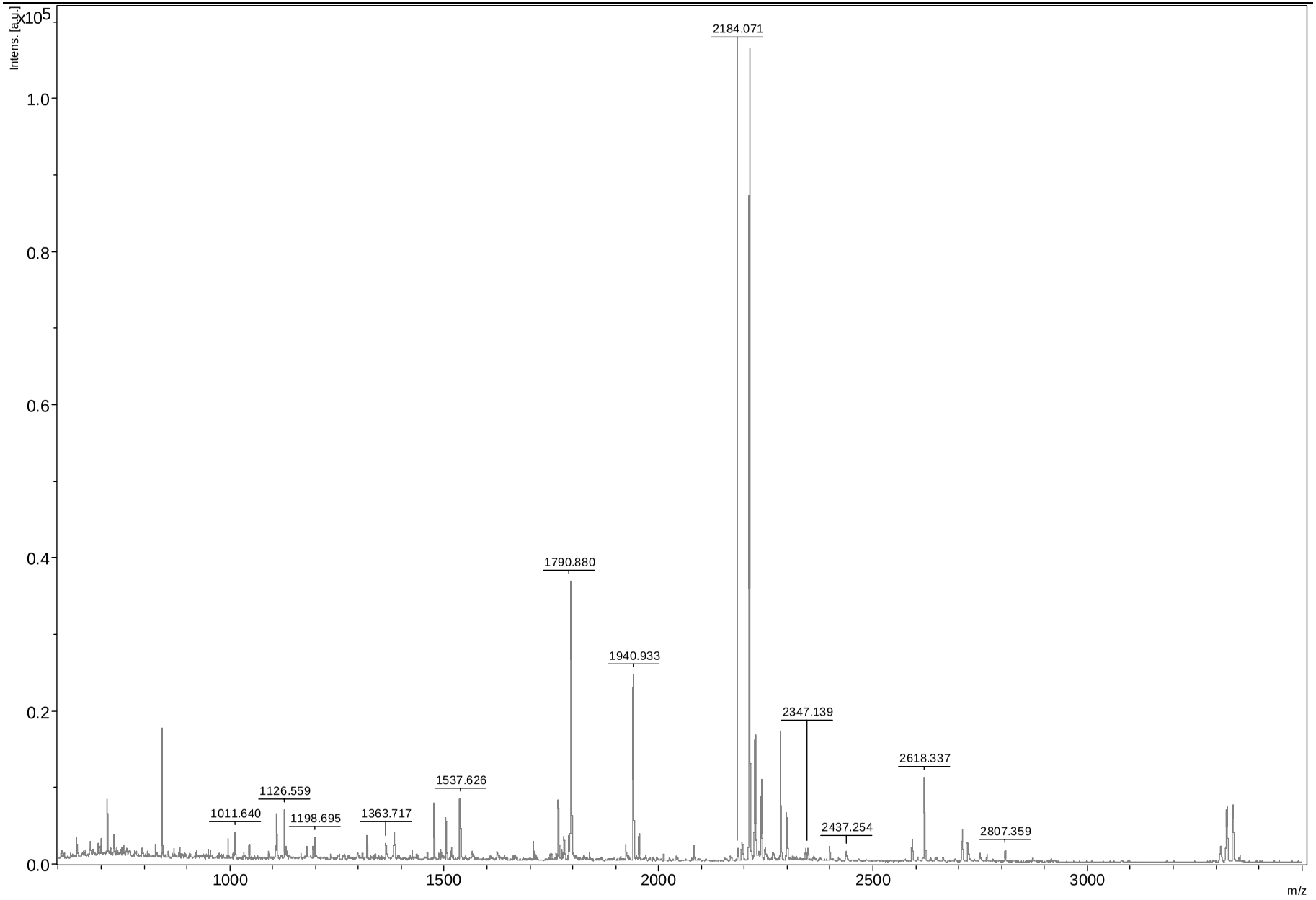
Lista de Masas / Intensidad Relativa

Masa	I.R.	982.46	1108.4	1194.6	1883.4	1565.8	908.4	2015.1	456.26
803.2	2749.6	984.51	1165.1	1251.7	847.23	1568.8	645.28	2062	743
827.5	2972.1	1008.5	1490.5	1263.6	637.74	1603.8	1565.8	2137.2	1698.1
830.46	3146.1	1011.6	5495.4	1267.7	1652.4	1622.8	663.33	2152.1	501.93
864.48	2199.1	1020.5	1109.8	1298.7	799.86	1666	3610.9	2168.1	537.88
899.53	8427	1023.5	1022.6	1338.8	1519.4	1687.9	618.44	2184.1	607.74
916.49	1500.5	1030.5	1172.9	1363.7	2022.6	1712.8	639.04	2233.1	1520.9
932.49	1871.3	1060.6	2281.8	1384.7	1872.7	1731.9	1076.3	2265.1	788.91
938.55	13669	1095.6	1603.7	1437.7	900.26	1759.9	1150.9	2347.1	639.84
946.44	784.17	1126.6	4837.9	1450.7	1332.1	1919	528.89	2662.3	529.23
950.5	1916.7	1137.6	916	1454.7	744.5	1922.9	913.8	2682.4	354.72
955.53	1423.8	1153.6	1413.9	1467.7	624.13	1940.9	9090	2764.4	424.35
979.52	3703.8	1189.6	1307	1504.7	2568.9	1998	896.26		

Resultados

	Accession	Mass	Score	Description
1.	gi|203063	45978	**174**	alpha-1-antitrypsin precursor [Rattus norvegicus]
2.	gi|51036655	46264	**170**	alpha-1-antiproteinase precursor [Rattus norvegicus]
3.	gi|112889	46278	**170**	RecName: Full=Alpha-1-antiproteinase; AltName: Full=Alpha-1-antitrypsin; AltName: Full=Alpha-1-proteinase inhibitor; AltName: Full=Serpin A1; Flags: Precursor
4.	gi|220649	46262	**119**	unnamed protein product [Rattus norvegicus]
5.	gi|930263	22868	**114**	proteinase inhibitor-like protein (202 AA) [Rattus norvegicus]
6.	gi|149031983	50832	**72**	keratin complex 2, basic, gene 7, isoform CRA_a [Rattus norvegicus]
7.	gi|14861854	50678	59	keratin, type II cytoskeletal 7 [Mus musculus]
8.	gi|158711675	39838	56	protein CASC4 isoform 2 [Mus musculus]
9.	gi|124486865	21093	55	major urinary protein (Mup)-like precursor [Mus musculus]
10.	gi|26348503	20693	55	unnamed protein product [Mus musculus]

SPOT-8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0.6
0.4
0.2
0.0
2184.071
1790.880
1940.933
2347.139
2618.337
1126.559
1537.626
1011.640
1198.695
1363.717
2437.254
2807.359
1000
1500
2000
2500
3000
m/z

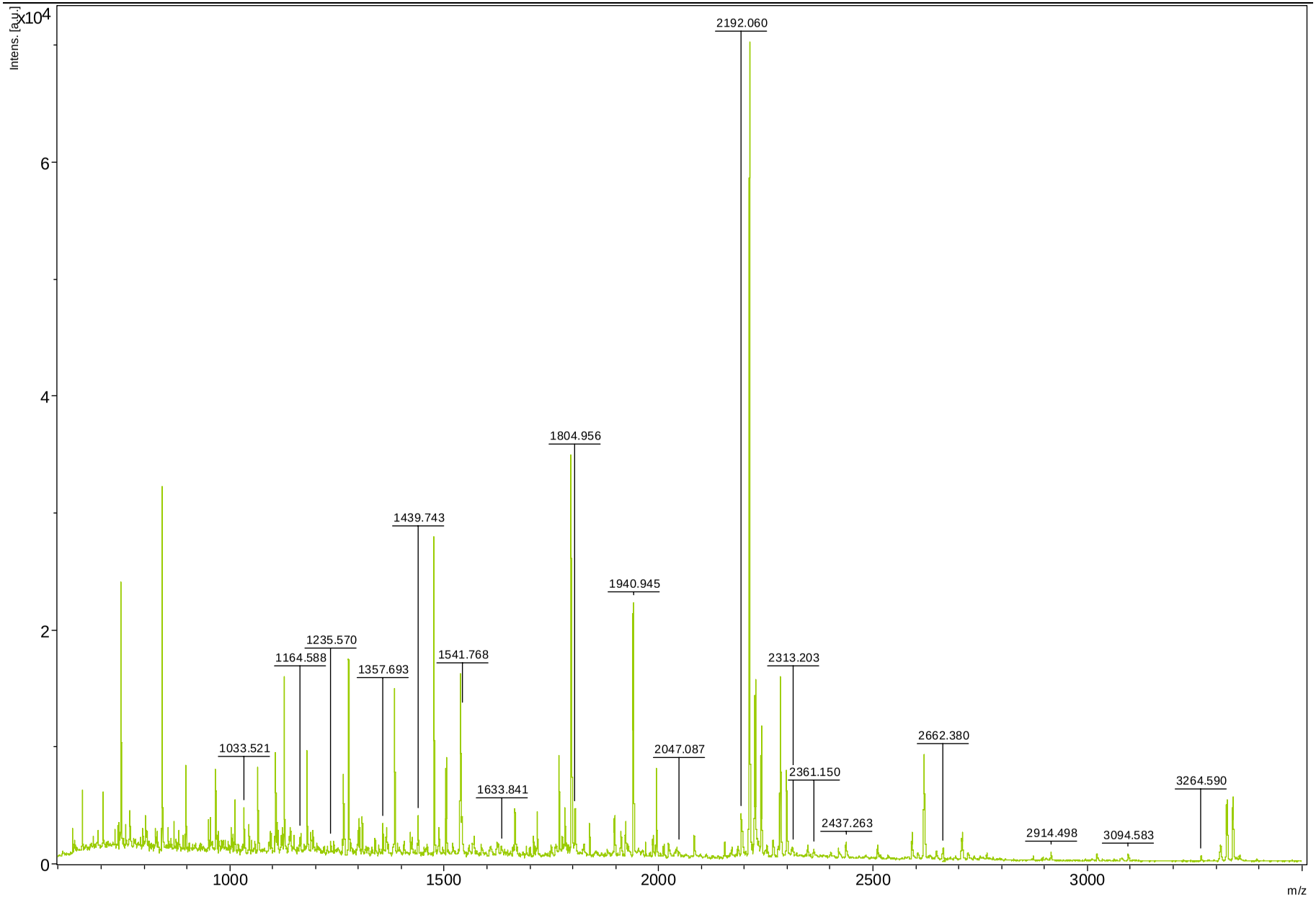
Lista de Masas / Intensidad Relativa

Masa	I.R.	1126.6	7363.1	1493.7	1317.8	1940.9	22882	2590.3	2079.5
923.54	771.98	1132.5	1754.8	1504.7	5932.4	1954.1	3023.7	2618.3	8224.5
976.47	1385	1193.6	1937.9	1515.7	1572	2184.1	1394.3	2807.4	986.39
995.52	2688.3	1198.7	2752.5	1537.6	7984.4	2343	1159.3		
1011.6	3398.7	1363.7	2213.4	1790.9	3561.1	2347.1	1252		
1109.5	5433.1	1381.6	1762.8	1922.9	2182.4	2437.3	988.08		

Resultados

	Accession	Mass	Score	Description
1.	gi|809561	41335	**125**	gamma-actin [Mus musculus]
2.	gi|311222955	39266	**112**	beta-actin [Myodes glareolus]
3.	gi|311141816	39508	**111**	beta-actin [Apodemus speciosus]
4.	gi|74187644	42053	**110**	unnamed protein product [Mus musculus]
5.	gi|74191399	41994	**108**	unnamed protein product [Mus musculus]
6.	gi|1351867	42053	**108**	RecName: Full=Actin, cytoplasmic 1; AltName: Full=Beta-actin; Contains: RecName: Full=Actin, cytoplasmic 1, N-terminally processed
7.	gi|74191566	42126	**108**	unnamed protein product [Mus musculus]
8.	gi|4501885	42052	**108**	actin, cytoplasmic 1 [Homo sapiens]
9.	gi|4501887	42108	**108**	actin, cytoplasmic 2 [Homo sapiens]
10.	gi|74151948	42024	**108**	unnamed protein product [Mus musculus]

SPOT-9


Intens. [a.u.]
x10^4
6
4
2
0
1000
1500
2000
2500
3000
m/z
2192.060
1804.956
1439.743
1940.945
1235.570
1164.588
1357.693
1541.768
2313.203
1033.521
2047.087
2662.380
2361.150
3264.590
1633.841
2437.263
2914.498
3094.583

Lista de Masas / Intensidad Relativa

Masa	I.R.	1406.7	1421.2	1897	3330.9	2192.1	1363.5	2914.5	429.44
932.5	1142.6	1439.7	3407.4	1913	1516.9	2203.1	373.36	3021.6	342.88
1033.5	4160.5	1487.8	2303.9	1922.9	2939.4	2309.2	336.29	3094.6	268.69
1164.6	1921.3	1519.7	1179.5	1929	1055.6	2313.2	586.75	3264.6	241.46
1235.6	1245.1	1541.8	1874.8	1940.9	20201	2361.2	573.36	3346.7	166.31
1242.7	1226.1	1633.8	1475.2	1969	966.5	2419.2	694.52	3354.8	213.47
1357.7	2782.9	1690.9	638.36	2047.1	1060	2437.3	1093.7		
1363.7	1549.2	1805	3746.4	2154.1	1227.6	2510.2	898.86		
1390.7	1146	1880	539.9	2171	788.6	2662.4	703.48		

Resultados

	Accession	Mass	Score	Description
1.	gi|38649320	51736	**216**	Eno1 protein [Rattus norvegicus]
2.	gi|158186649	47440	**208**	alpha-enolase isoform 1 [Rattus norvegicus]
3.	gi|109468300	54346	**199**	PREDICTED: enolase 3 [Rattus norvegicus]
4.	gi|56107	47428	**189**	unnamed protein product [Rattus norvegicus]
5.	gi|59808815	47470	**174**	Enolase 1, (alpha) [Rattus norvegicus]
6.	gi|293346061	54441	**148**	PREDICTED: Eno1 protein-like [Rattus norvegicus]
7.	gi|70794816	47453	**143**	hypothetical protein LOC433182 [Mus musculus]
8.	gi|309265190	47640	**143**	PREDICTED: alpha-enolase-like isoform 11 [Mus musculus]
9.	gi|309265176	47931	**139**	PREDICTED: alpha-enolase-like isoform 7 [Mus musculus]
10.	gi|55491	47437	**115**	unnamed protein product [Mus sp.]

Rogamos utilicen la siguiente referencia para publicaciones, póster o seminarios de resultados obtenidos en la Unidad de Proteómica del Centro de Investigación del Cáncer.

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