

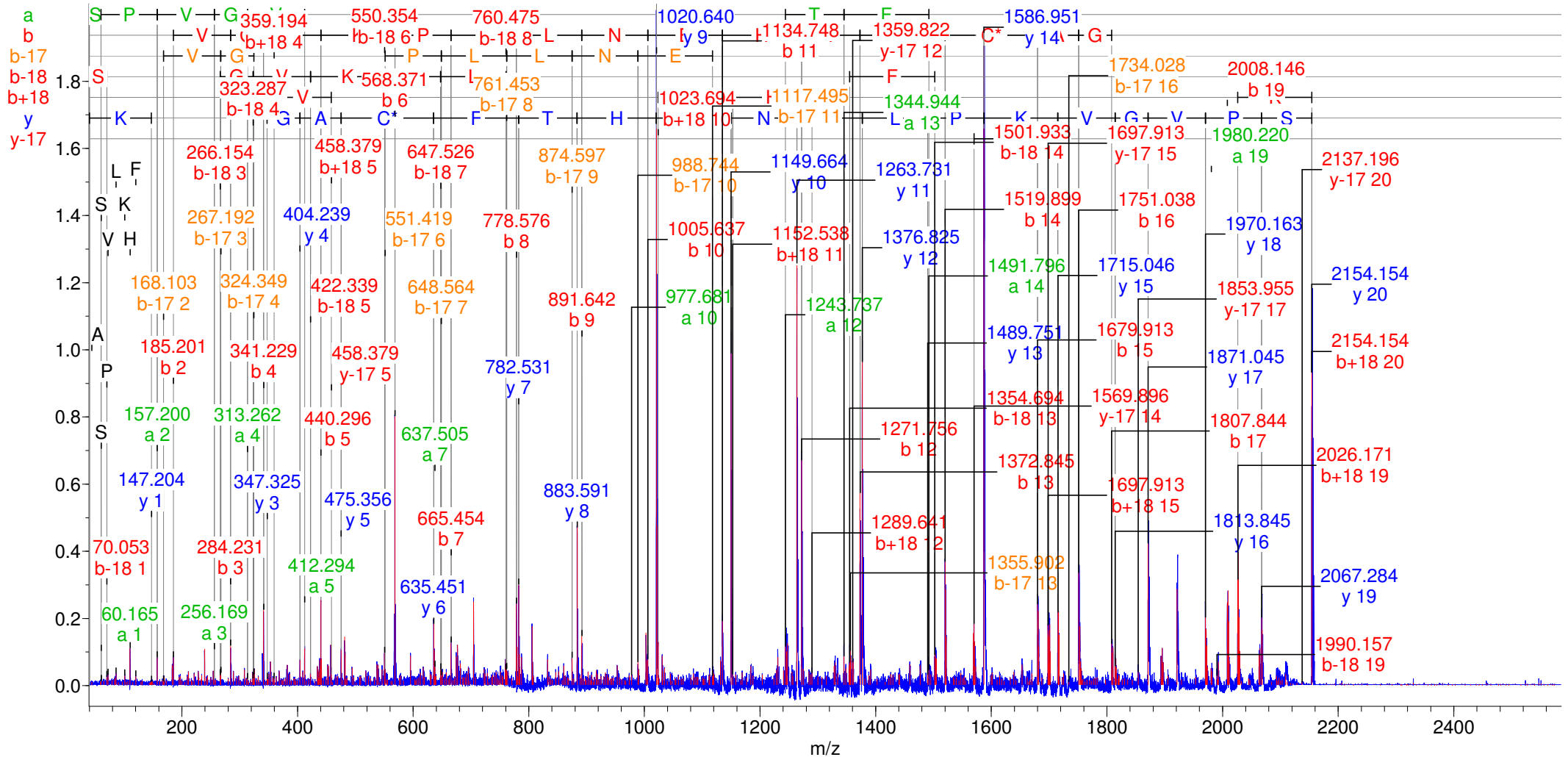
Spectrum Analysis Report

Date: 02/08/2008 Time: 19:08

FileName: \\Kocp08\\P\\UltraflexII\\Lassen_MALDI_Data\\SL_HPTseal_Data_2007\\070131_seal21_2D_beta_Tryp_parent2154\\0_C22\\0\\2154.1610.LIFT.LIFT\\fast\\pdata\\1\\1r

Sequence Name:		Parentmass:	2154.161	Mass Error:	0.023
MH+ (mono):	2154.138	MH+ (avg):	2155.502	Threshold (a.i.):	0.000
Tolerance (Da):	0.200	Number of Peaks:	545	Above Threshold:	545
Assigned Peaks:	96	Not assigned Peaks:	449		

[Abs. Int. * 1000]



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Display Parameter:

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Number of Peaks:	545	Above Threshold:	545	Assigned Peaks:	96
Not assigned Peaks:	449				

Peaklist:

Peak	Mass	Intensity	Peak	Mass	Intensity	Peak	Mass	Intensity
1	43.950	7.570	2	59.368	8.819	3	60.165	8.963
4	64.741	9.597	5	70.053	21.169	6	72.094	27.054
7	79.053	11.895	8	83.394	14.641	9	84.344	17.830
10	86.159	30.210	11	89.913	6.658	12	97.047	7.979
13	101.182	25.084	14	103.516	7.066	15	106.576	9.487
16	110.174	100.973	17	114.798	6.355	18	120.110	22.465
19	129.283	7.934	20	131.255	10.795	21	143.592	4.838
22	145.206	6.352	23	146.740	8.183	24	147.204	7.545
25	147.590	8.688	26	149.247	9.662	27	151.520	3.373
28	157.200	75.259	29	161.680	9.486	30	166.181	12.592
31	168.103	8.351	32	169.279	20.770	33	172.836	11.075
34	183.269	54.187	35	185.201	75.398	36	195.136	20.760
37	197.201	24.094	38	200.099	10.847	39	204.721	7.328
40	209.197	23.824	41	211.211	36.017	42	216.265	13.027
43	217.703	8.011	44	221.231	30.874	45	228.244	36.866
46	229.305	19.946	47	233.229	14.139	48	234.256	25.822
49	239.213	98.988	50	242.271	17.750	51	244.146	23.406
52	250.112	19.454	53	254.203	38.052	54	256.169	13.506
55	258.197	13.213	56	266.154	25.818	57	267.192	32.095
58	280.125	16.968	59	284.231	107.940	60	289.167	36.612
61	294.176	19.402	62	298.221	23.542	63	301.278	9.955
64	308.193	41.726	65	311.243	16.458	66	313.262	15.099
67	315.306	8.111	68	319.146	12.892	69	322.190	33.454
70	323.287	16.577	71	324.349	27.587	72	325.244	42.286
73	329.239	14.183	74	332.217	21.985	75	335.179	8.199
76	341.229	207.155	77	344.140	6.725	78	347.325	15.808
79	348.219	15.635	80	350.247	30.404	81	353.212	63.583
82	357.263	19.356	83	359.194	15.572	84	359.683	12.265
85	363.087	21.594	86	368.204	37.524	87	372.190	13.983
88	374.164	11.066	89	376.229	14.628	90	379.165	17.073
91	382.279	54.731	92	386.141	30.053	93	389.172	10.770
94	393.362	16.475	95	395.224	17.315	96	396.559	10.090
97	399.327	11.391	98	404.239	68.511	99	409.219	36.514

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100	412.294	101.047	101	415.296	9.914	102	419.044	15.198
103	422.339	30.399	104	430.225	10.268	105	434.214	51.856
106	435.306	41.888	107	436.164	19.539	108	437.226	35.563
109	438.289	68.626	110	439.339	49.783	111	440.296	235.697
112	441.271	71.711	113	444.228	12.736	114	449.276	18.122
115	452.318	55.464	116	453.188	51.729	117	457.339	110.951
118	458.379	28.472	119	460.351	7.050	120	466.295	22.838
121	469.257	23.680	122	475.356	96.551	123	478.084	12.931
124	481.295	133.285	125	482.225	86.282	126	483.824	15.108
127	485.328	19.327	128	494.325	46.633	129	497.327	19.389
130	501.556	5.121	131	507.415	21.322	132	509.253	23.145
133	518.244	38.214	134	522.341	23.793	135	526.207	16.386
136	533.261	17.904	137	537.307	57.179	138	539.382	53.732
139	541.890	5.850	140	546.170	41.735	141	550.354	87.485
142	551.419	42.120	143	553.794	13.481	144	555.452	13.816
145	561.448	9.665	146	563.441	10.233	147	568.371	746.160
148	576.382	19.413	149	578.381	25.176	150	583.308	10.461
151	595.347	79.857	152	602.509	14.666	153	604.296	11.496
154	606.316	16.738	155	609.445	19.842	156	612.287	33.038
157	617.390	47.413	158	619.498	21.497	159	629.364	30.604
160	631.222	26.623	161	635.451	185.363	162	636.442	96.027
163	637.505	48.963	164	638.458	23.810	165	639.424	24.142
166	647.526	41.606	167	648.564	25.236	168	650.617	35.040
169	654.504	16.847	170	657.340	34.069	171	660.521	14.042
172	662.425	20.748	173	665.454	116.452	174	668.386	11.240
175	671.420	17.638	176	674.402	78.941	177	676.503	110.713
178	681.378	58.300	179	685.510	19.402	180	687.453	21.457
181	690.452	19.996	182	692.444	31.057	183	695.458	46.532
184	698.388	10.239	185	704.489	230.705	186	707.408	21.054
187	722.528	43.017	188	724.446	30.342	189	728.498	32.075
190	730.798	6.346	191	735.422	21.768	192	737.416	26.274
193	740.372	24.976	194	743.428	34.569	195	746.377	17.881
196	748.160	12.574	197	750.720	36.754	198	753.472	26.074
199	755.281	21.921	200	759.533	70.502	201	759.666	47.567
202	760.475	40.413	203	760.596	57.318	204	761.453	43.049
205	761.757	28.517	206	763.414	36.498	207	770.497	17.125
208	778.576	224.560	209	779.660	104.080	210	780.723	22.148
211	782.531	277.582	212	783.705	84.920	213	784.574	42.811
214	787.472	76.490	215	805.558	162.244	216	806.585	61.085
217	807.744	22.521	218	832.525	70.424	219	834.801	21.786
220	837.577	16.312	221	840.615	13.148	222	846.524	34.896

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223	851.532	37.156	224	857.539	12.039	225	860.442	52.473
226	862.981	23.698	227	866.639	20.121	228	868.530	16.823
229	874.597	73.699	230	877.580	16.774	231	883.591	452.681
232	888.467	25.272	233	891.642	135.077	234	894.312	16.493
235	897.584	17.755	236	899.372	12.448	237	902.603	35.293
238	905.618	15.981	239	907.847	10.694	240	908.637	26.874
241	911.288	7.577	242	913.500	19.578	243	916.648	39.046
244	918.628	29.514	245	921.104	13.136	246	924.648	23.639
247	929.591	21.247	248	932.648	33.411	249	935.705	26.990
250	937.777	20.430	251	941.525	16.829	252	943.681	18.012
253	945.798	18.745	254	952.749	53.134	255	956.371	20.422
256	960.600	15.583	257	965.657	12.631	258	967.636	10.462
259	973.558	24.922	260	977.681	26.882	261	988.744	62.837
262	989.718	41.671	263	1002.663	144.125	264	1003.712	67.375
265	1005.637	71.538	266	1020.640	1915.210	267	1022.752	441.660
268	1023.694	118.714	269	1024.702	19.987	270	1030.709	79.579
271	1031.505	37.925	272	1034.705	46.066	273	1039.616	9.577
274	1044.749	30.232	275	1047.200	10.214	276	1052.791	14.717
277	1054.235	16.538	278	1058.542	24.925	279	1063.377	15.050
280	1066.652	17.331	281	1080.223	19.169	282	1084.714	31.284
283	1087.615	21.374	284	1090.558	22.044	285	1092.557	20.638
286	1100.748	20.430	287	1102.197	14.488	288	1104.329	16.660
289	1111.465	23.167	290	1112.733	29.188	291	1117.495	24.611
292	1118.790	39.052	293	1120.278	30.057	294	1131.674	68.028
295	1134.748	177.384	296	1149.664	921.100	297	1152.538	29.169
298	1157.860	27.502	299	1166.514	12.817	300	1169.041	33.737
301	1176.523	19.290	302	1183.753	52.331	303	1187.525	25.490
304	1203.794	27.646	305	1223.827	18.171	306	1227.848	41.116
307	1230.666	76.113	308	1240.671	39.007	309	1243.737	106.405
310	1245.738	91.689	311	1247.371	115.233	312	1255.147	35.513
313	1256.694	24.129	314	1263.731	1171.512	315	1271.756	624.615
316	1274.540	43.620	317	1284.528	36.761	318	1287.468	28.196
319	1289.641	32.770	320	1299.904	21.667	321	1306.858	20.638
322	1314.370	23.088	323	1327.792	51.867	324	1329.995	61.327
325	1334.036	31.902	326	1344.944	78.954	327	1348.259	45.264
328	1353.909	53.758	329	1354.694	62.825	330	1355.032	112.848
331	1355.902	93.927	332	1356.022	56.497	333	1356.892	75.262
334	1359.822	63.768	335	1360.912	66.228	336	1372.845	533.226
337	1376.825	897.859	338	1381.051	17.354	339	1387.965	25.661
340	1390.973	41.850	341	1402.428	15.442	342	1416.292	7.738
343	1422.743	18.793	344	1425.938	29.103	345	1429.631	27.361

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346	1439.710	28.653	347	1441.079	29.393	348	1458.954	56.713
349	1476.659	54.098	350	1489.751	28.402	351	1491.796	41.688
352	1495.026	28.750	353	1501.933	82.414	354	1503.044	87.473
355	1503.905	73.477	356	1504.782	72.948	357	1519.899	342.130
358	1520.937	265.593	359	1522.036	133.954	360	1534.279	20.826
361	1536.400	15.224	362	1539.317	19.685	363	1543.876	11.663
364	1547.127	31.594	365	1550.883	18.011	366	1552.848	23.566
367	1555.498	10.698	368	1568.938	142.880	369	1569.896	169.217
370	1570.982	120.057	371	1572.769	51.332	372	1586.951	1812.902
373	1599.700	25.161	374	1601.214	32.857	375	1609.944	13.300
376	1614.254	24.998	377	1618.154	15.305	378	1622.038	9.777
379	1632.431	19.333	380	1638.888	34.802	381	1642.241	12.594
382	1652.967	55.291	383	1662.058	20.914	384	1664.754	8.800
385	1666.678	13.423	386	1670.106	30.820	387	1679.913	223.664
388	1681.046	205.211	389	1682.000	107.881	390	1687.057	19.315
391	1697.913	166.521	392	1698.082	139.648	393	1698.812	61.490
394	1699.024	132.927	395	1700.074	151.192	396	1700.847	168.074
397	1701.813	92.705	398	1715.046	201.709	399	1716.036	205.567
400	1717.171	138.068	401	1722.675	19.195	402	1725.115	30.914
403	1734.028	8.492	404	1751.038	311.516	405	1753.090	162.750
406	1754.346	63.633	407	1755.311	45.046	408	1756.507	11.814
409	1758.511	15.297	410	1761.704	8.278	411	1765.139	13.624
412	1770.150	12.493	413	1773.193	10.304	414	1776.525	16.731
415	1779.664	18.953	416	1782.803	20.119	417	1797.377	14.342
418	1807.844	114.275	419	1809.134	88.891	420	1810.259	103.607
421	1813.845	51.583	422	1815.161	72.622	423	1816.018	46.980
424	1818.821	16.933	425	1820.063	27.093	426	1821.029	23.208
427	1826.208	14.546	428	1830.128	16.789	429	1835.746	14.310
430	1843.920	14.363	431	1853.955	35.051	432	1871.045	393.512
433	1893.205	79.110	434	1894.218	17.569	435	1895.608	101.729
436	1896.610	62.592	437	1897.141	61.876	438	1905.363	24.774
439	1921.120	266.112	440	1928.952	13.979	441	1953.353	20.304
442	1970.163	187.035	443	1971.286	154.102	444	1972.553	108.454
445	1973.568	49.270	446	1980.220	45.487	447	1981.338	37.371
448	1990.157	25.326	449	1991.952	14.987	450	1992.837	63.377
451	2008.146	229.154	452	2009.270	261.105	453	2010.453	176.574
454	2011.370	66.696	455	2026.171	292.605	456	2027.259	366.510
457	2028.358	188.147	458	2029.457	93.436	459	2032.331	9.725
460	2045.110	17.607	461	2047.157	12.690	462	2063.184	81.821
463	2064.458	100.486	464	2067.284	186.418	465	2068.214	151.386
466	2084.375	8.378	467	2093.120	24.761	468	2095.307	10.518

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469	2097.040	18.621	470	2099.917	11.468	471	2102.998	12.867
472	2108.870	29.204	473	2111.742	7.978	474	2117.679	4.463
475	2120.845	2.337	476	2128.308	4.683	477	2137.196	6.695
478	2154.154	868.538	479	2179.485	1.631	480	2186.608	0.659
481	2190.141	0.686	482	2193.497	1.607	483	2202.339	1.403
484	2206.106	4.082	485	2210.758	0.560	486	2213.557	0.781
487	2218.096	1.401	488	2226.270	0.546	489	2234.504	0.712
490	2240.807	1.282	491	2250.159	0.395	492	2261.537	0.819
493	2272.964	0.114	494	2284.168	0.984	495	2287.912	0.829
496	2293.315	0.499	497	2302.531	1.523	498	2308.190	0.399
499	2309.953	0.294	500	2316.304	0.721	501	2318.392	0.640
502	2319.853	0.816	503	2321.266	0.429	504	2324.622	0.678
505	2329.947	4.767	506	2335.296	0.319	507	2339.594	0.957
508	2348.540	1.475	509	2355.030	0.436	510	2360.971	0.230
511	2366.422	0.481	512	2370.708	0.439	513	2375.030	1.956
514	2380.451	1.377	515	2389.893	0.343	516	2397.365	0.130
517	2402.184	0.330	518	2413.557	0.781	519	2419.389	0.499
520	2429.265	0.336	521	2438.345	0.518	522	2443.464	0.310
523	2448.873	0.315	524	2456.117	2.623	525	2458.484	1.056
526	2463.856	0.527	527	2477.210	0.443	528	2480.603	0.183
529	2484.545	1.097	530	2489.955	0.358	531	2494.994	0.452
532	2506.113	0.772	533	2515.834	0.153	534	2523.802	2.986
535	2527.014	0.230	536	2532.809	1.060	537	2536.304	1.073
538	2539.304	0.416	539	2546.863	3.892	540	2550.690	2.803
541	2555.508	0.325	542	2562.641	0.194	543	2567.340	0.661
544	2570.491	0.459	545	2573.496	0.217			

Calculated Masses:

SPVGKPLLNEHTFCAGSLK 15: Carbamidomethyl (C)

N-Term.	Ion	a	b	b-17	b-18	b+18	y	y-17	i	C-Term.	Ion
1	S	60.044	88.039	71.013	70.029	106.050	147.113	130.110	60.044	20	K
2	P	157.097	185.092	168.066	167.082	203.103	260.197	243.194	70.065	19	L
3	V	256.166	284.160	267.134	266.150	302.171	347.229	330.226	72.080	18	S
4	G	313.187	341.182	324.155	323.171	359.193	404.250	387.248	30.033	17	G
5	V	412.255	440.250	423.224	422.240	458.261	475.287	458.285	72.080	16	A
6	K	540.350	568.345	551.319	550.335	586.356	635.318	618.315	101.107	15	C*
7	P	637.403	665.398	648.372	647.388	683.409	782.387	765.384	70.065	14	F
8	L	750.487	778.482	761.456	760.472	796.493	883.434	866.431	86.096	13	T
9	L	863.571	891.566	874.540	873.556	909.577	1020.493	1003.490	86.096	12	H
10	N	977.614	1005.609	988.583	987.599	1023.620	1149.536	1132.533	87.055	11	E
11	E	1106.657	1134.652	1117.625	1116.641	1152.662	1263.579	1246.576	102.054	10	N

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12	H	1243.716	1271.711	1254.684	1253.700	1289.721	1376.663	1359.660	110.071	9	L
13	T	1344.763	1372.758	1355.732	1354.748	1390.769	1489.747	1472.744	74.059	8	L
14	F	1491.832	1519.827	1502.800	1501.816	1537.837	1586.800	1569.797	120.080	7	P
15	C*	1651.862	1679.857	1662.831	1661.847	1697.868	1714.895	1697.892	133.042	6	K
16	A	1722.900	1750.895	1733.868	1732.884	1768.905	1813.963	1796.960	44.049	5	V
17	G	1779.921	1807.916	1790.889	1789.905	1825.927	1870.984	1853.982	30.033	4	G
18	S	1866.953	1894.948	1877.921	1876.937	1912.959	1970.053	1953.050	60.044	3	V
19	L	1980.037	2008.032	1991.006	1990.021	2026.043	2067.106	2050.103	86.096	2	P
20	K	2108.132	2136.127	2119.100	2118.116	2154.138	2154.138	2137.135	101.107	1	S

Matched Sequences:

De Novo Result

De Novo

Entries: Calc. MH+ Meas. Mr Calc. Mr Dev.(Da) Score MascotScore Sequence

MSMS 12154.138 2153.153 2153.130 0.023 327882 - SPVGVKPLLNEHTFCAGSLK 15: Carbamidomethyl (C)