

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012615\
 Data File : BG015969.D
 Acq On : 28 Jan 2015 5:29
 Operator : TP/IZ
 Sample : G1139-12
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 121B4

Quant Time: Jan 28 06:29:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG012015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 01:36:36 2015
 Response via : Initial Calibration

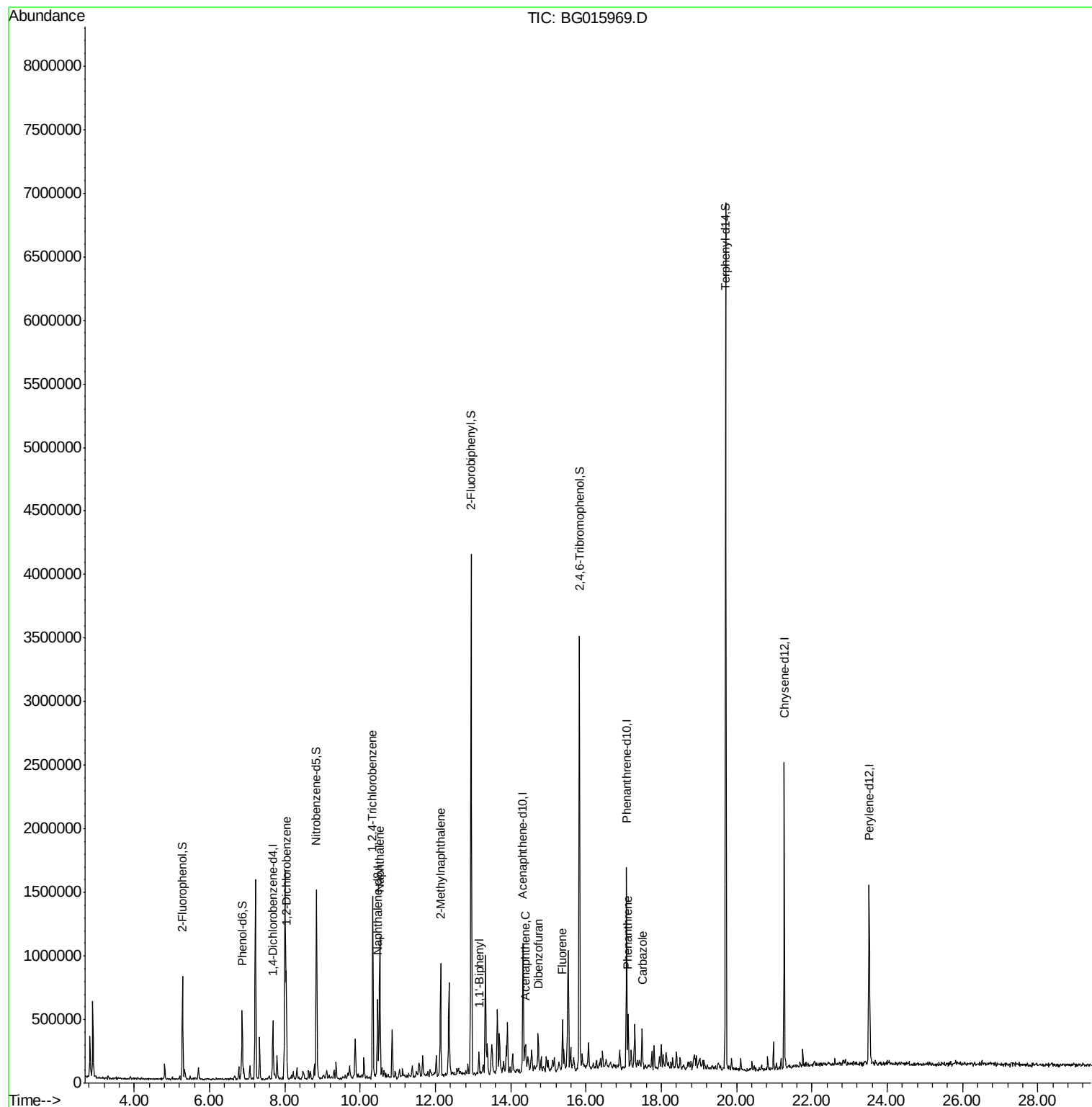
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	89310	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	348854	20.00	ng	0.00
38) Acenaphthene-d10	14.33	164	300611	20.00	ng	0.00
63) Phenanthrene-d10	17.08	188	816588	20.00	ng	0.00
75) Chrysene-d12	21.27	240	1176379	20.00	ng	0.00
86) Perylene-d12	23.52	264	1152675	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	271128	45.21	ng	0.00
7) Phenol-d6	6.87	99	260419	26.95	ng	0.00
23) Nitrobenzene-d5	8.84	82	874155	72.23	ng	0.00
41) 2,4,6-Tribromophenol	15.83	330	625479	113.66	ng	0.00
44) 2-Fluorobiphenyl	12.95	172	1751525	91.42	ng	0.00
78) Terphenyl-d14	19.72	244	2735996	59.57	ng	0.00
Target Compounds						Qvalue
14) 1,2-Dichlorobenzene	8.03	146	241398	35.03	ng	96
30) 1,2,4-Trichlorobenzene	10.33	180	371374	48.62	ng	98
31) Naphthalene	10.52	128	626683	35.10	ng	# 94
37) 2-Methylnaphthalene	12.14	142	291913	20.59	ng	97
45) 1,1'-Biphenyl	13.16	154	65815	3.47	ng	92
51) Acenaphthene	14.39	154	62426	4.08	ng	# 81
54) Dibenzofuran	14.73	168	84960	3.37	ng	# 94
57) Fluorene	15.38	166	139347	6.12	ng	90
70) Phenanthrene	17.12	178	228853	5.59	ng	# 91
72) Carbazole	17.49	167	148675	4.20	ng	# 92

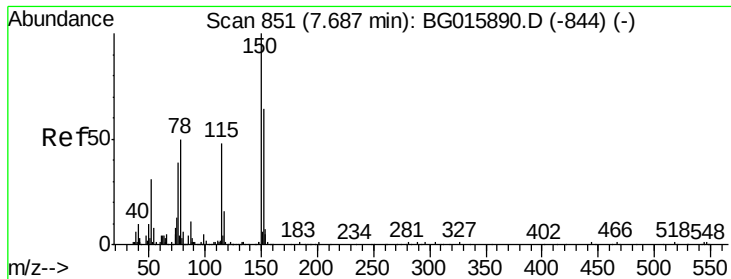
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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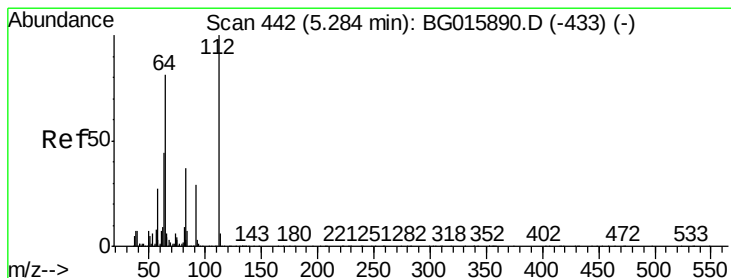
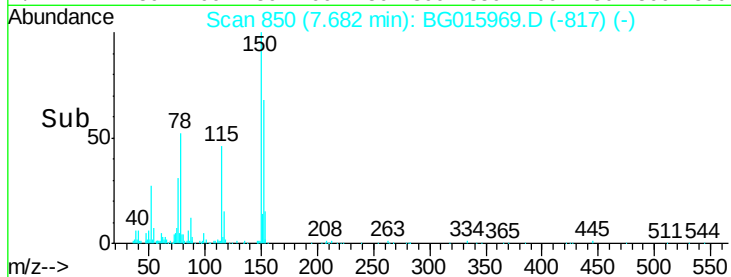
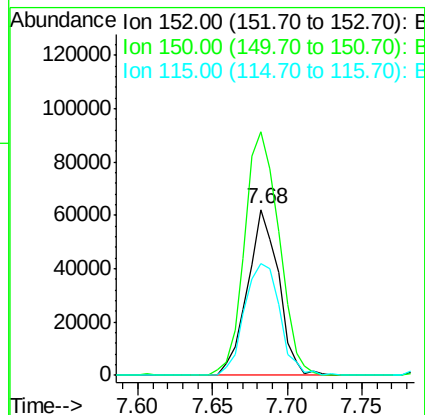
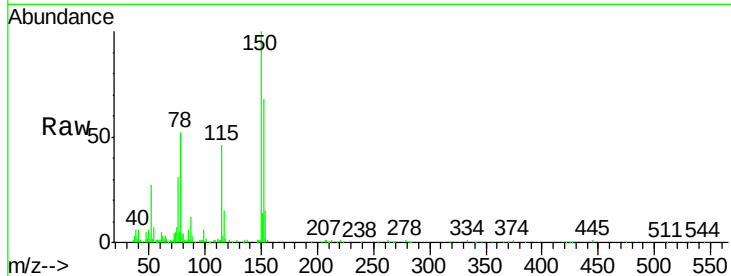


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.68 min Scan# 850
Delta R.T. -0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

Instrument :
BNA_G
ClientSampleId :
121B4

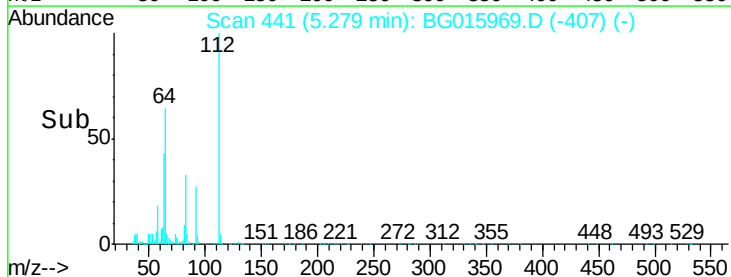
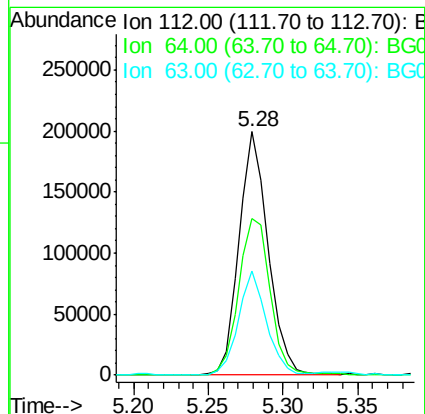
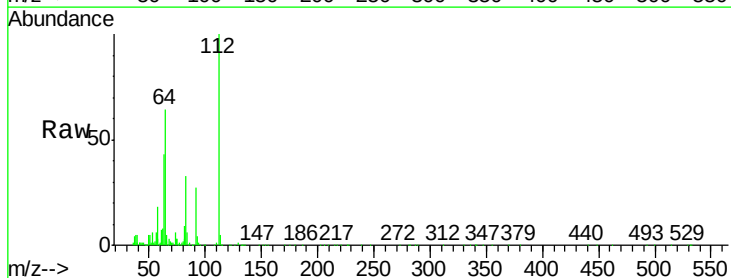
Tgt Ion	Ratio	Lower	Upper
152	100		
150	146.7	124.5	186.7
115	67.7	60.4	90.6

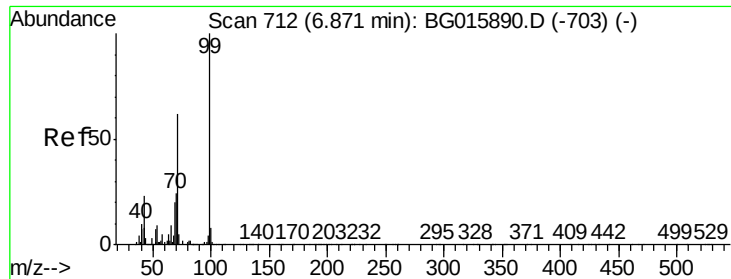


#5

2-Fluorophenol
Concen: 45.21 ng
RT: 5.28 min Scan# 441
Delta R.T. 0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	64.4	96.6#
63	43.0	35.1	52.7





#7

Phenol-d6

Concen: 26.95 ng

RT: 6.87 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

Instrument :

BNA_G

ClientSampleId :

121B4

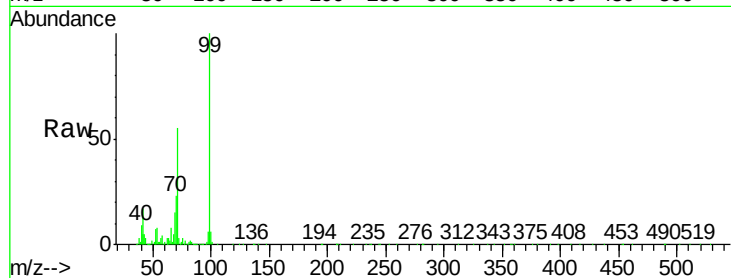
Tgt Ion: 99 Resp: 260419

Ion Ratio Lower Upper

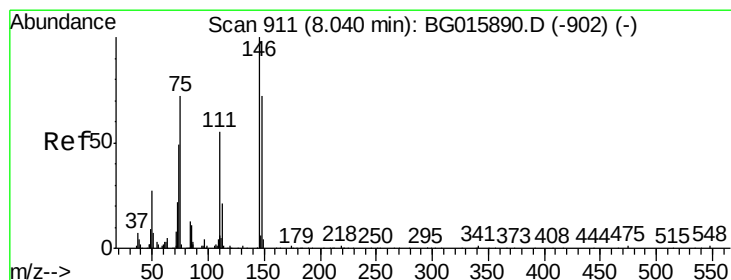
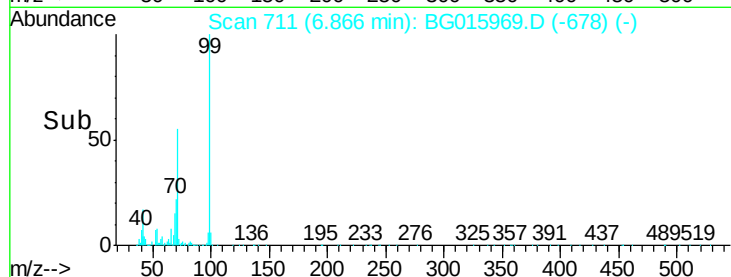
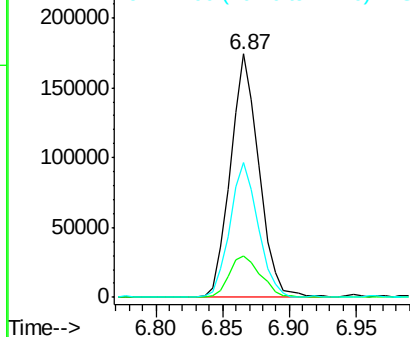
99 100

42 16.9 18.1 27.1#

71 55.5 49.8 74.8



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#14

1,2-Dichlorobenzene

Concen: 35.03 ng

RT: 8.03 min Scan# 910

Delta R.T. 0.01 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

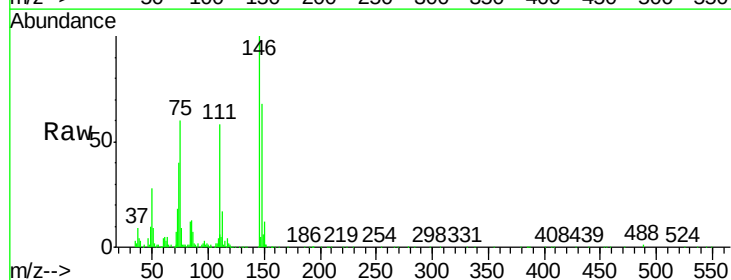
Tgt Ion: 146 Resp: 241398

Ion Ratio Lower Upper

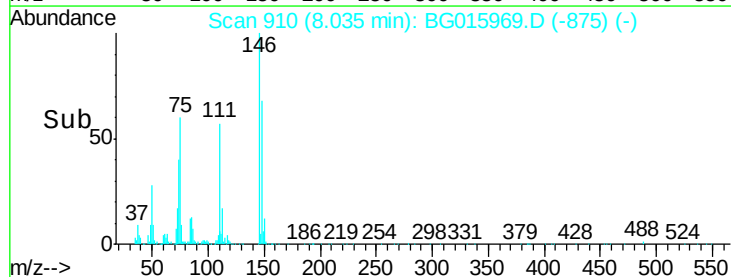
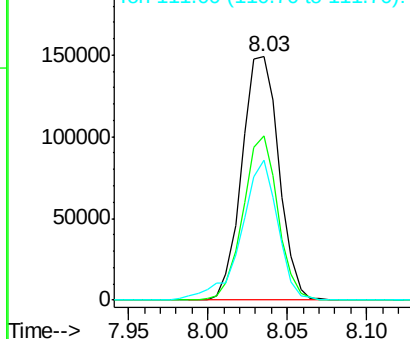
146 100

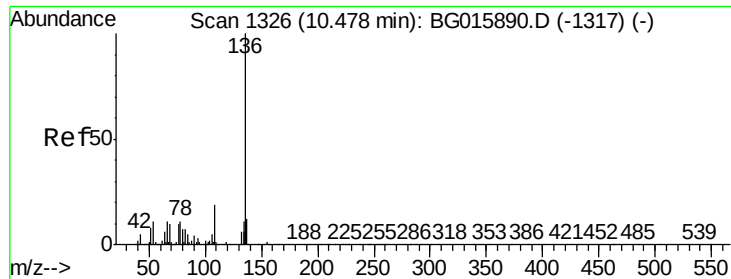
148 67.7 57.7 86.5

111 57.7 44.6 66.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

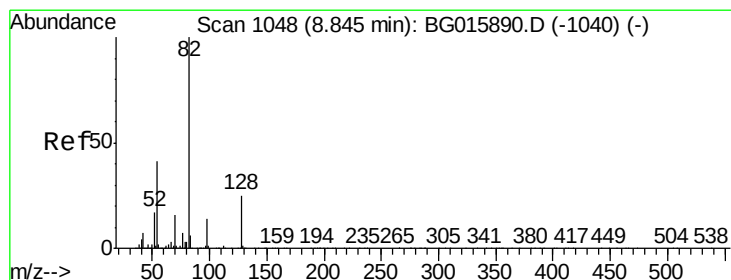
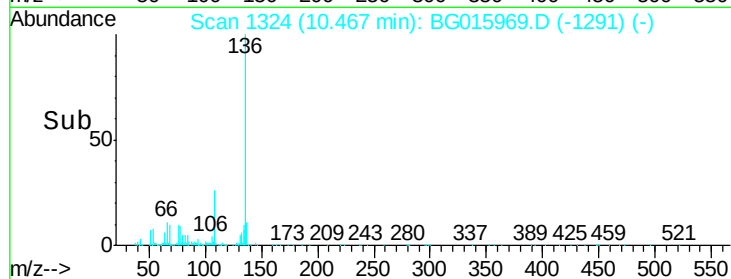
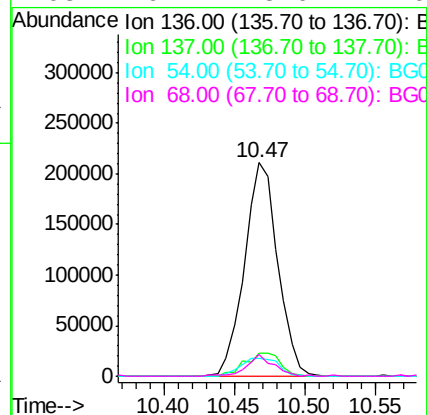
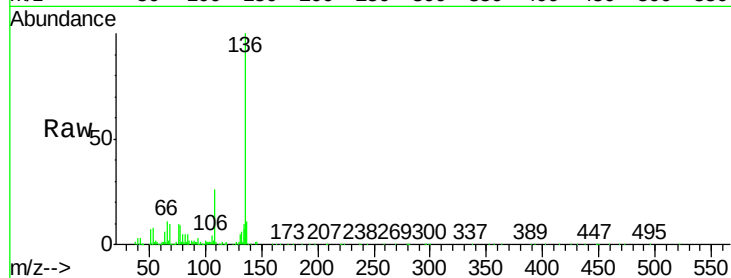




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.47 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

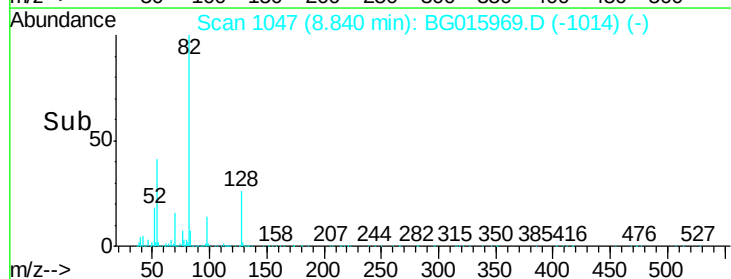
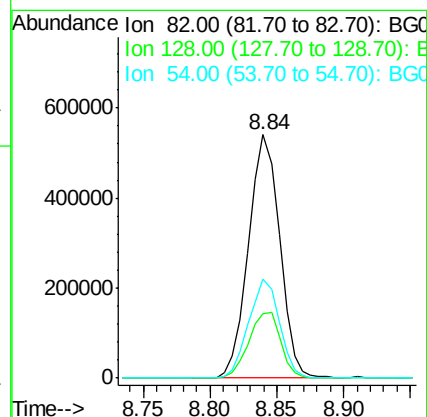
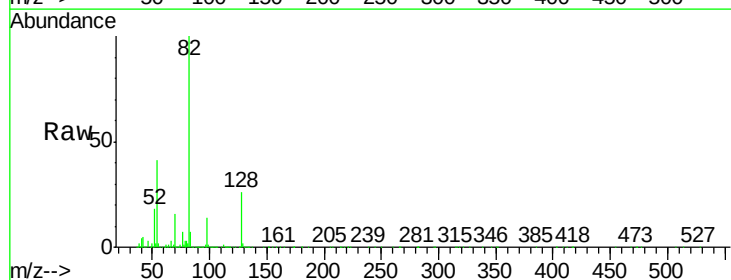
Instrument :
BNA_G
ClientSampleId :
121B4

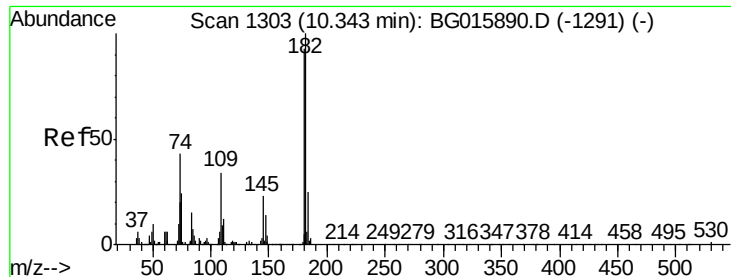
Tgt Ion:	136	Resp:	348854
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.7	14.5
54	8.2	8.5	12.7#
68	10.1	8.0	12.0



#23
Nitrobenzene-d5
Concen: 72.23 ng
RT: 8.84 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

Tgt Ion:	82	Resp:	874155
Ion	Ratio	Lower	Upper
82	100		
128	26.4	19.8	29.8
54	40.8	33.0	49.4

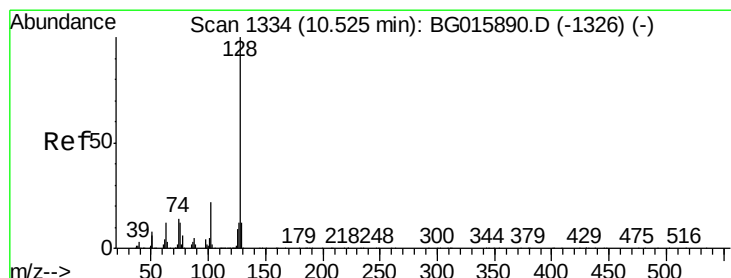
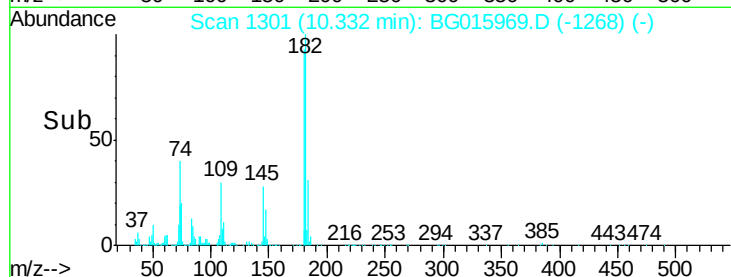
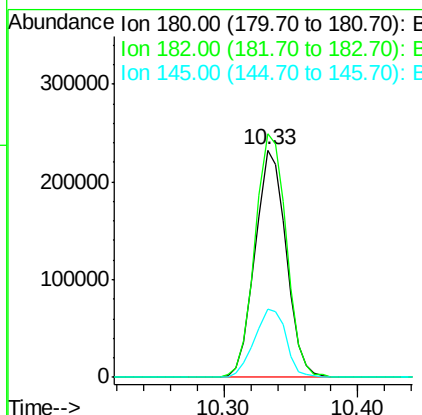
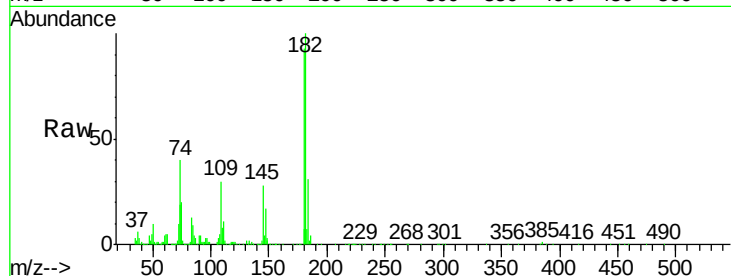




#30
1,2,4-Trichlorobenzene
Concen: 48.62 ng
RT: 10.33 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

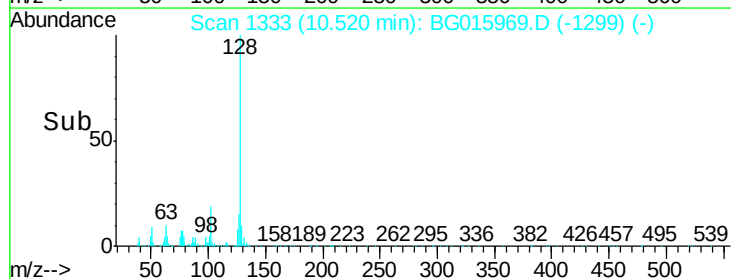
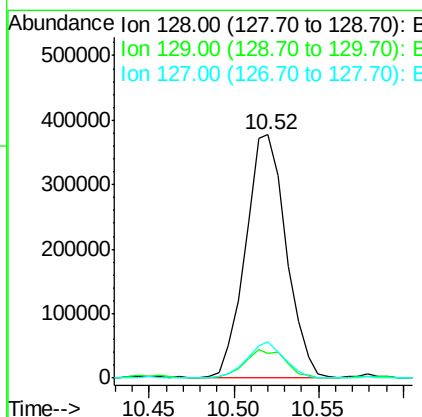
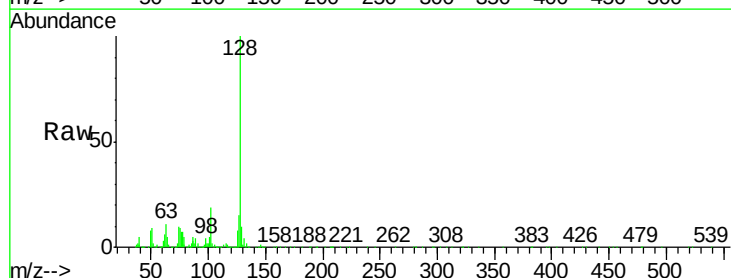
Instrument :
BNA_G
ClientSampleId :
121B4

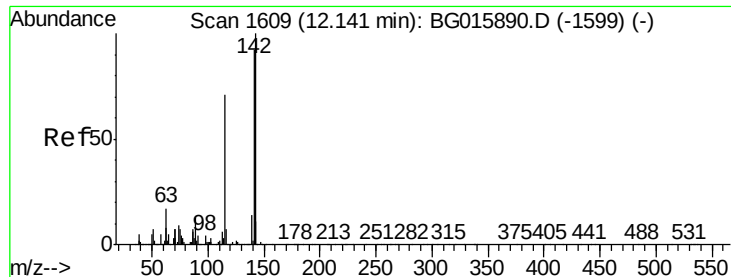
Tgt Ion	Ratio	Lower	Upper
180	100		
182	107.2	86.4	129.6
145	29.8	20.1	30.1



#31
Naphthalene
Concen: 35.10 ng
RT: 10.52 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.7	14.5
127	14.7	9.8	14.6#





#37

2-Methylnaphthalene

Concen: 20.59 ng

RT: 12.14 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

Instrument :

BNA_G

ClientSampleId :

121B4

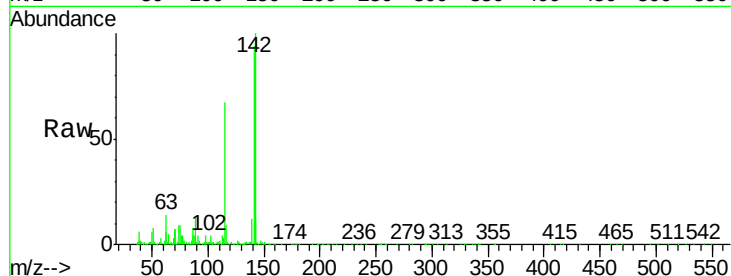
Tgt Ion:142 Resp: 291913

Ion Ratio Lower Upper

142 100

141 93.6 73.8 110.8

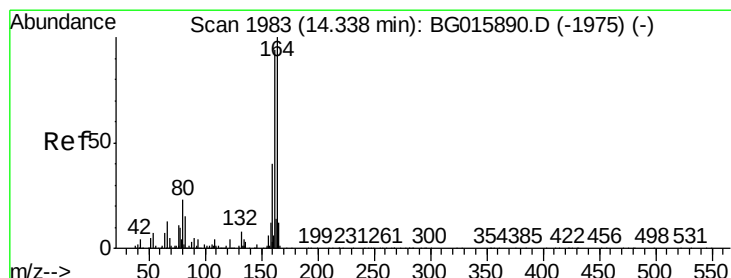
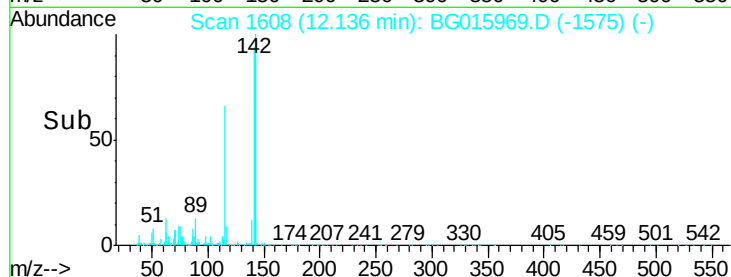
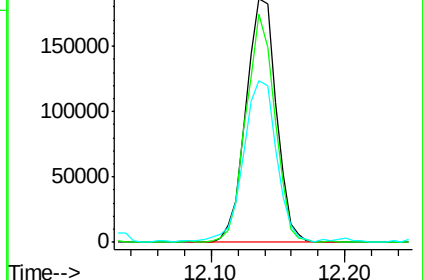
115 66.7 56.6 84.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

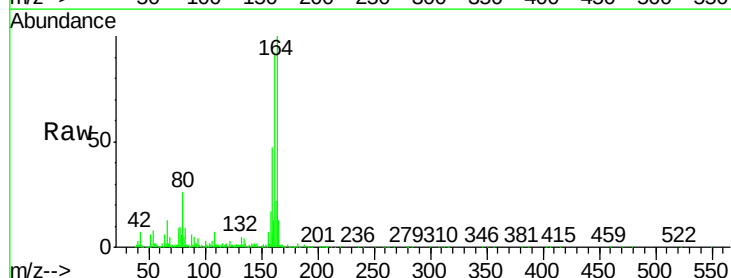
Tgt Ion:164 Resp: 300611

Ion Ratio Lower Upper

164 100

162 92.0 75.1 112.7

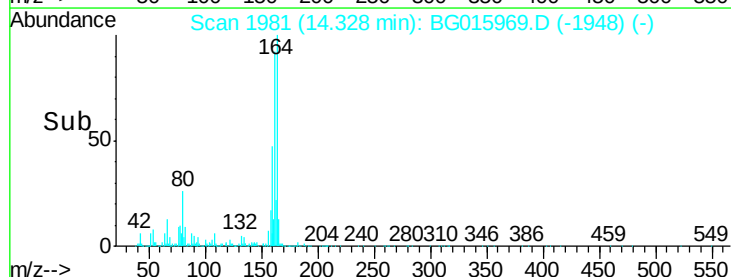
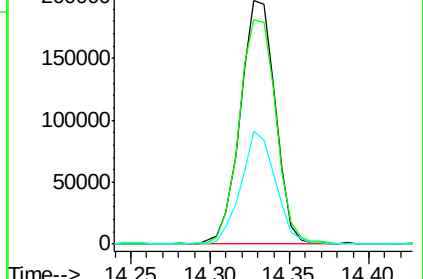
160 46.7 32.3 48.5

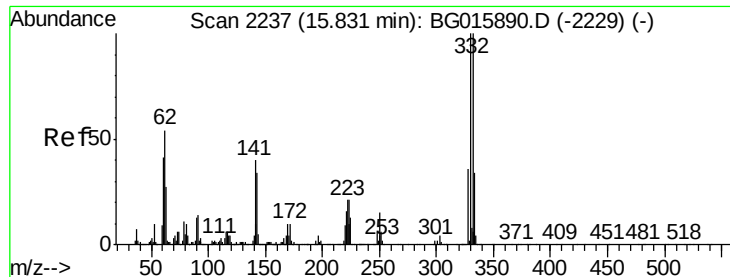


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

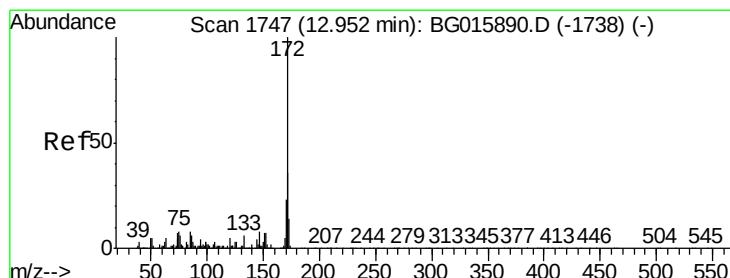
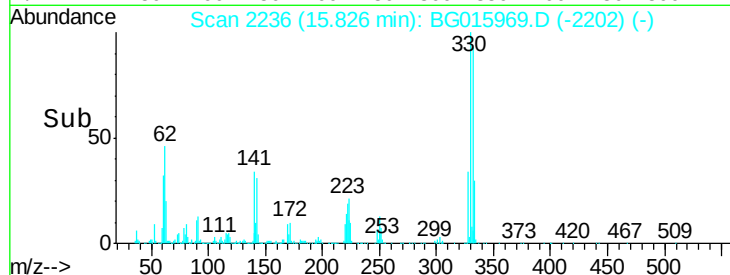
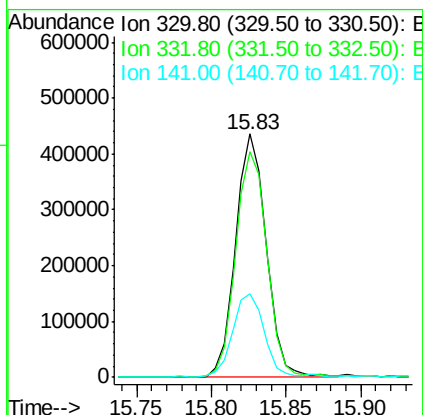
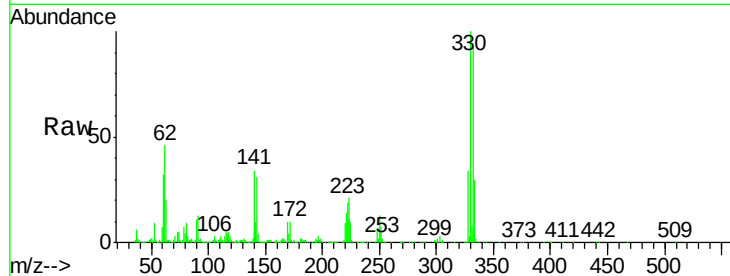




#41
 2,4,6-Tribromophenol
 Concen: 113.66 ng
 RT: 15.83 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: BG015969.D
 Acq: 28 Jan 2015 5:29

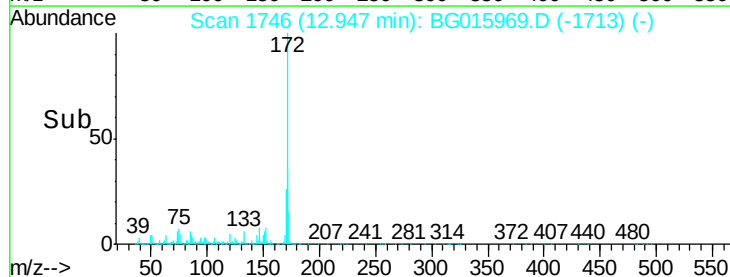
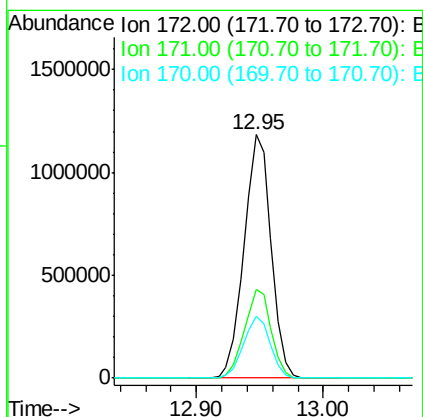
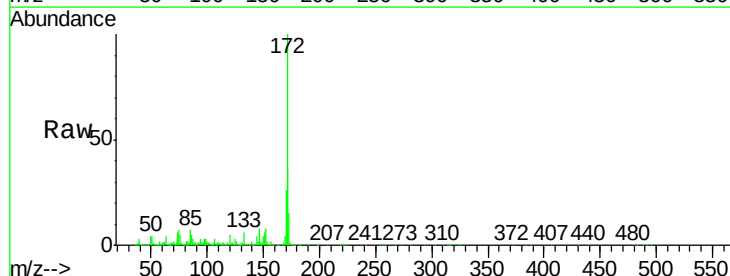
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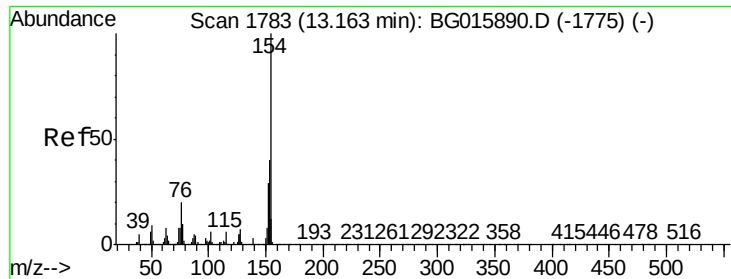
Tgt Ion:330 Resp: 625479
 Ion Ratio Lower Upper
 330 100
 332 94.7 75.4 113.0
 141 35.3 33.0 49.6



#44
 2-Fluorobiphenyl
 Concen: 91.42 ng
 RT: 12.95 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: BG015969.D
 Acq: 28 Jan 2015 5:29

Tgt Ion:172 Resp: 1751525
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.2 43.8
 170 25.6 18.6 27.8

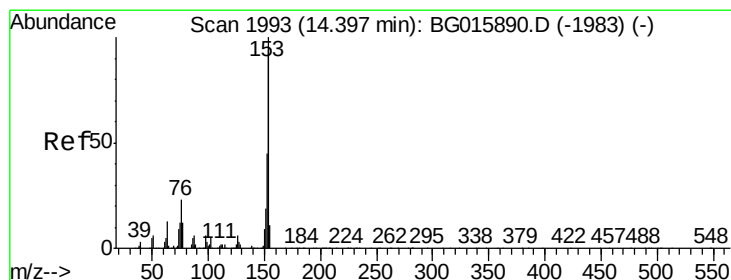
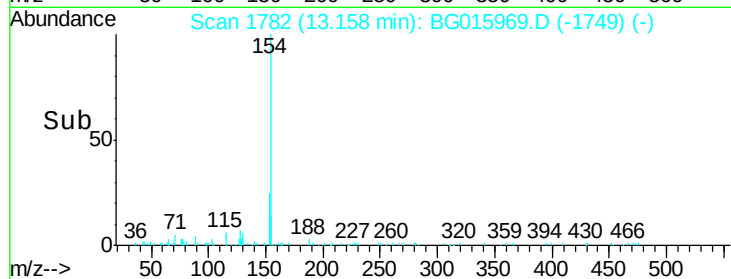
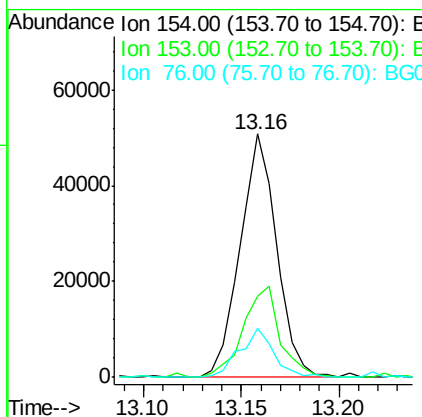
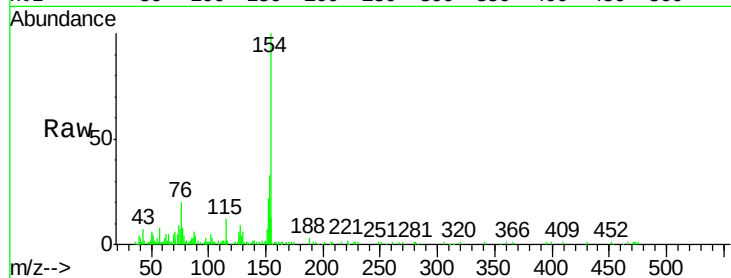




#45
 1,1'-Biphenyl
 Concen: 3.47 ng
 RT: 13.16 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: BG015969.D
 Acq: 28 Jan 2015 5:29

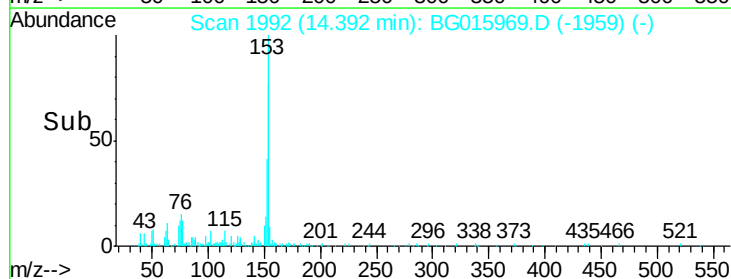
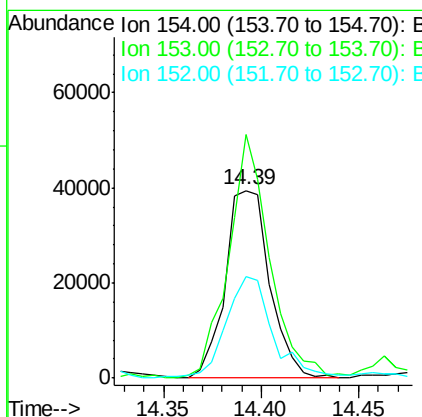
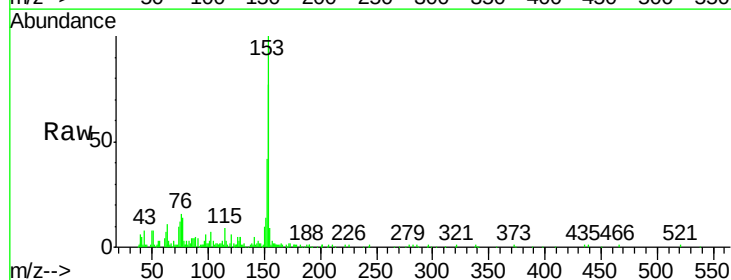
Instrument :
 BNA_G
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 121B4

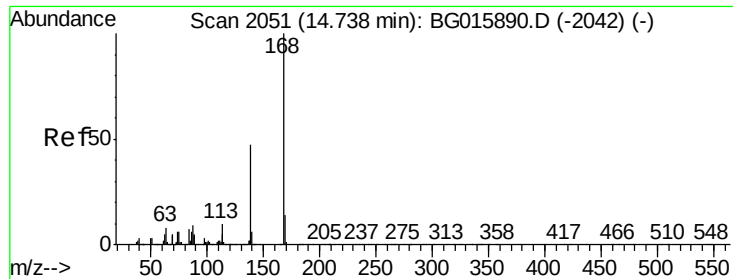
Tgt Ion:	154	Resp:	65815
Ion	Ratio	Lower	Upper
154	100		
153	33.3	20.4	60.4
76	20.3	0.2	40.2



#51
 Acenaphthene
 Concen: 4.08 ng
 RT: 14.39 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: BG015969.D
 Acq: 28 Jan 2015 5:29

Tgt Ion:	154	Resp:	62426
Ion	Ratio	Lower	Upper
154	100		
153	129.8	85.1	127.7#
152	54.4	38.3	57.5





#54

Dibenzenofuran

Concen: 3.37 ng

RT: 14.73 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

Instrument :

BNA_G

ClientSampleId :

121B4

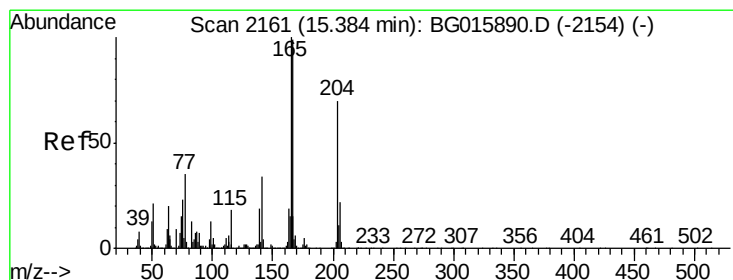
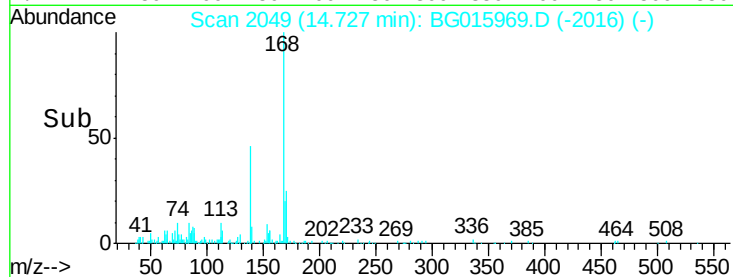
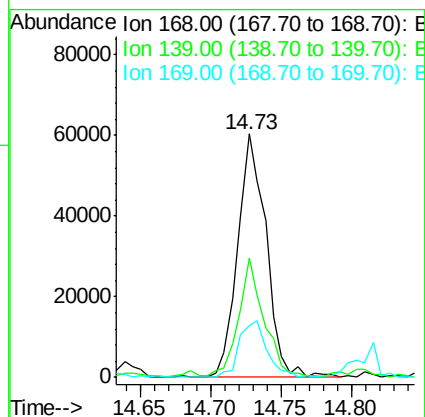
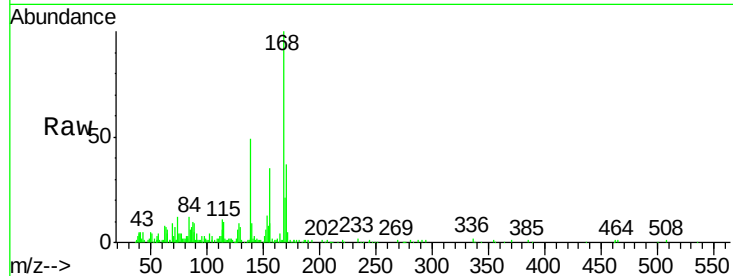
Tgt Ion:168 Resp: 84960

Ion Ratio Lower Upper

168 100

139 49.0 37.8 56.8

169 21.1 11.5 17.3#



#57

Fluorene

Concen: 6.12 ng

RT: 15.38 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

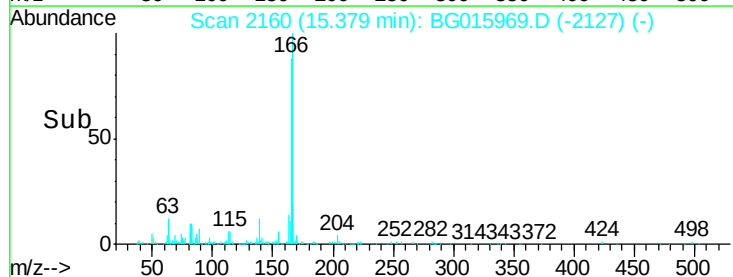
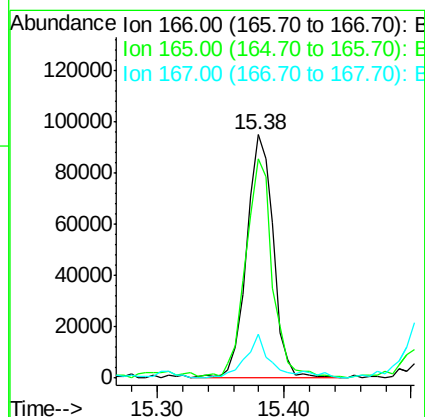
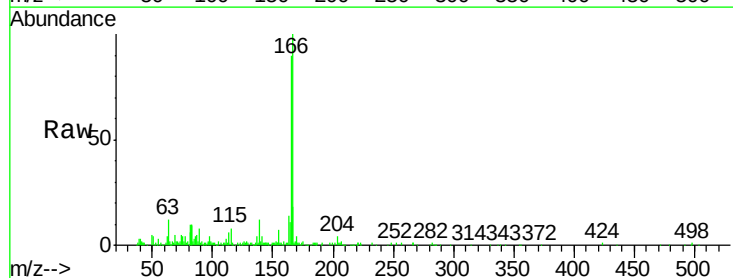
Tgt Ion:166 Resp: 139347

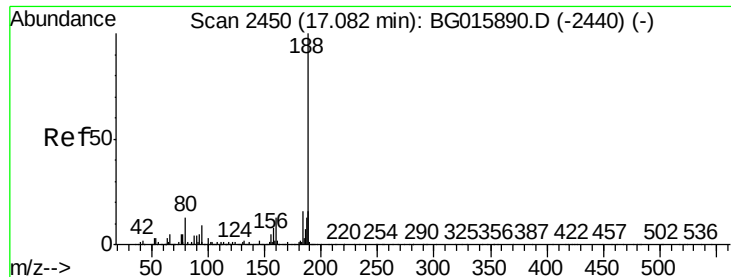
Ion Ratio Lower Upper

166 100

165 89.8 80.6 120.8

167 18.2 12.5 18.7

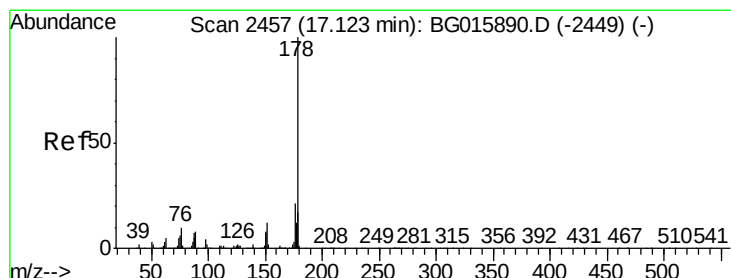
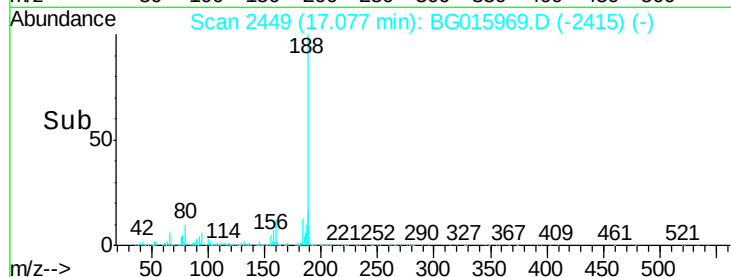
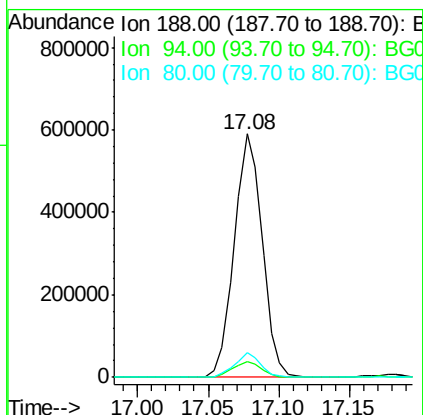
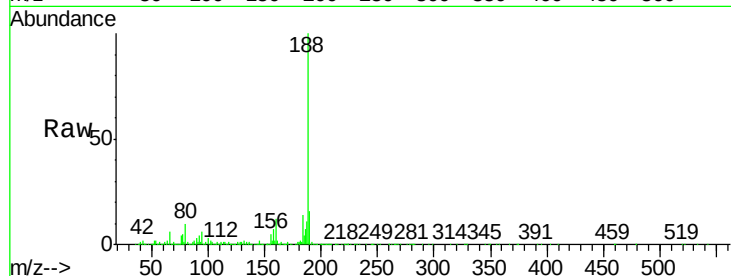




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.08 min Scan# 2449
Delta R.T. 0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

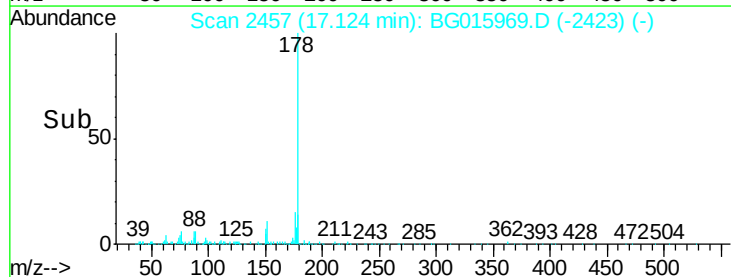
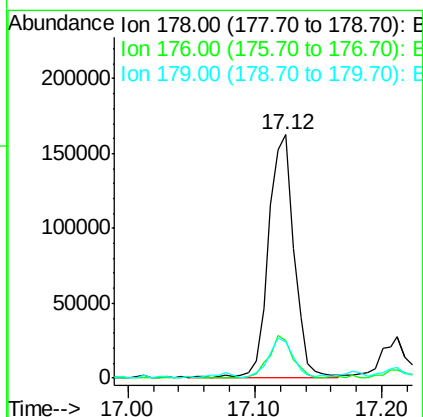
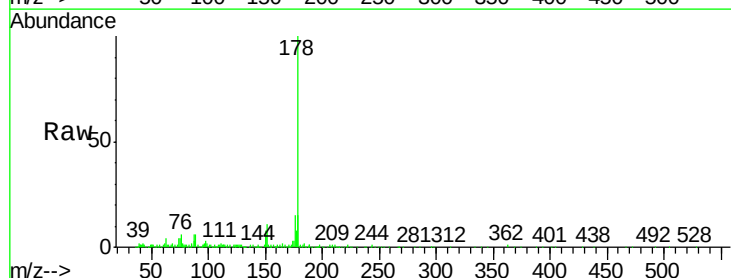
Instrument :
BNA_G
ClientSampleId :
121B4

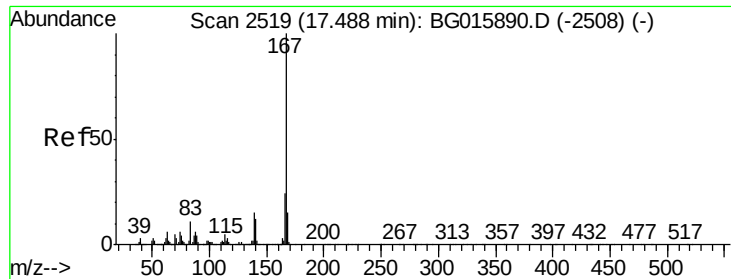
Tgt Ion:188 Resp: 816588
Ion Ratio Lower Upper
188 100
94 6.4 7.8 11.8#
80 10.2 10.6 16.0#



#70
Phenanthrene
Concen: 5.59 ng
RT: 17.12 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG015969.D
Acq: 28 Jan 2015 5:29

Tgt Ion:178 Resp: 228853
Ion Ratio Lower Upper
178 100
176 15.4 16.9 25.3#
179 14.6 13.3 19.9





#72

Carbazole

Concen: 4.20 ng

RT: 17.49 min Scan# 2519

Delta R.T. 0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

Instrument :

BNA_G

ClientSampleId :

121B4

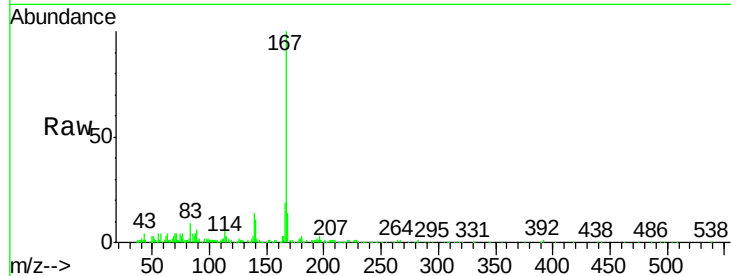
Tgt Ion:167 Resp: 148675

Ion Ratio Lower Upper

167 100

166 19.1 19.4 29.2#

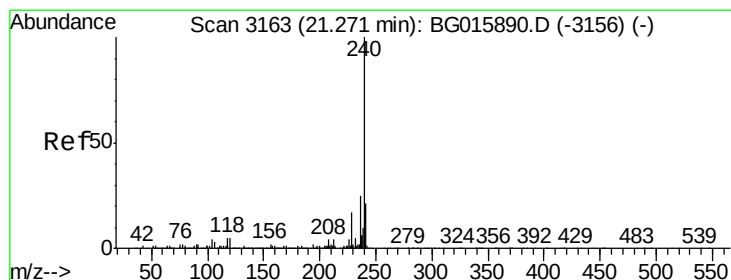
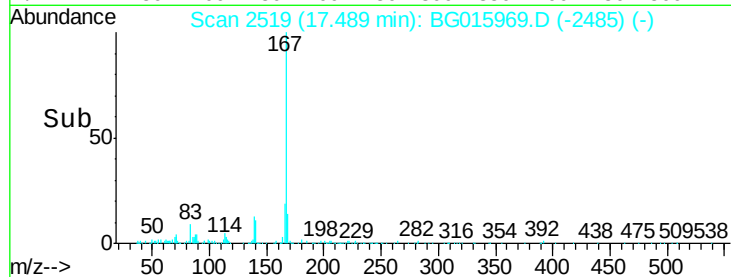
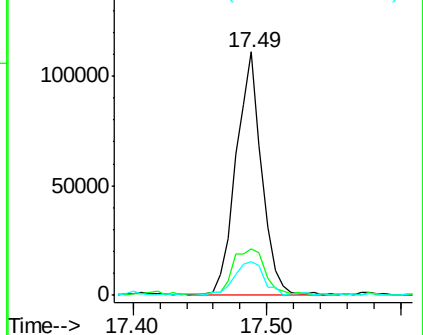
139 13.6 12.2 18.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

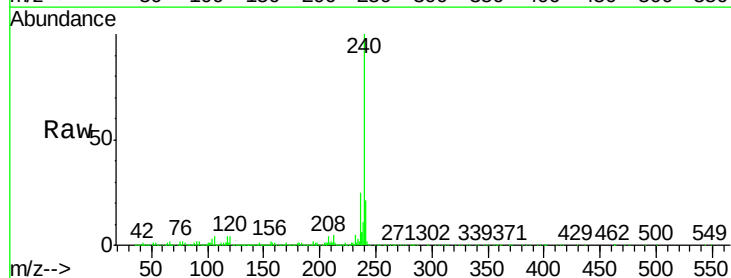
Tgt Ion:240 Resp: 1176379

Ion Ratio Lower Upper

240 100

120 4.3 3.9 5.9

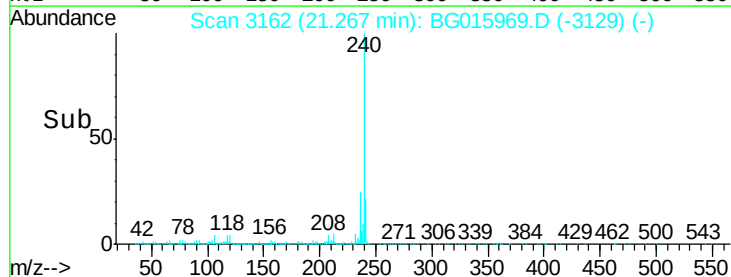
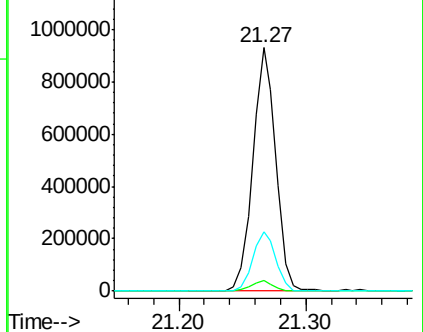
236 24.5 20.0 30.0

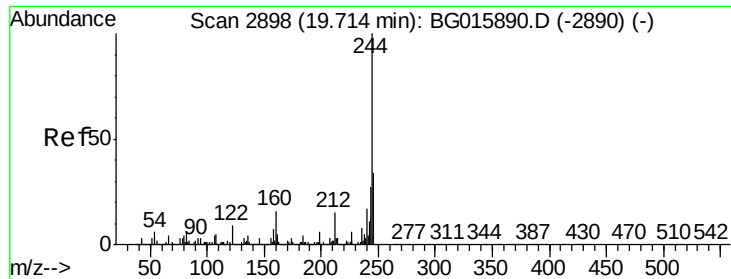


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 59.57 ng

RT: 19.72 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

Instrument :

BNA_G

ClientSampled :

121B4

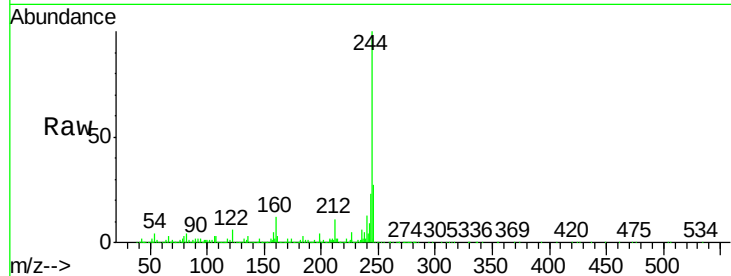
Tgt Ion:244 Resp: 2735996

Ion Ratio Lower Upper

244 100

212 10.7 11.6 17.4#

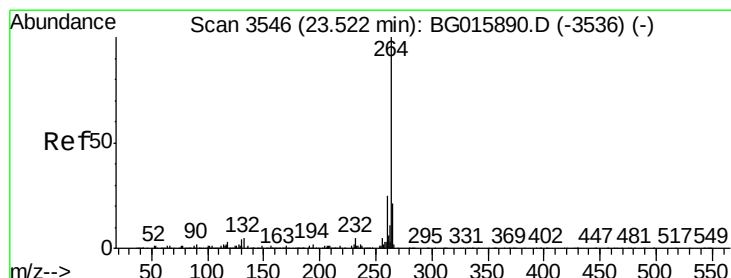
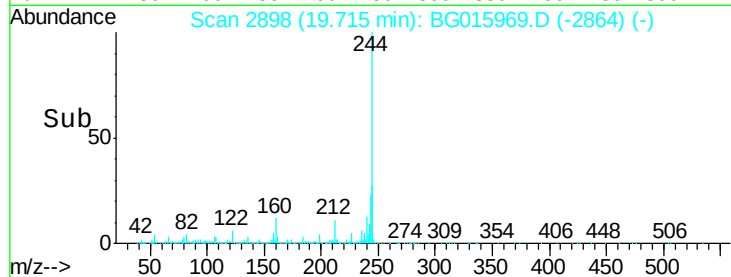
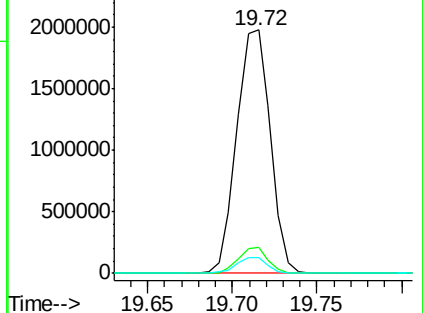
122 6.4 7.0 10.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.52 min Scan# 3546

Delta R.T. 0.00 min

Lab File: BG015969.D

Acq: 28 Jan 2015 5:29

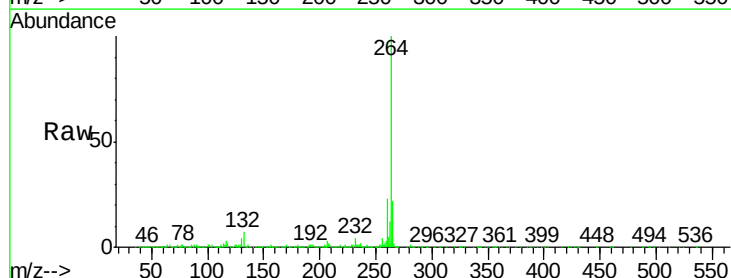
Tgt Ion:264 Resp: 1152675

Ion Ratio Lower Upper

264 100

260 22.9 19.7 29.5

265 21.5 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

