

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030218\
 Data File : BG032948.D
 Acq On : 2 Mar 2018 16:39
 Operator : SJ/JU
 Sample : J1751-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 02 23:31:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	68428	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	292446	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	165117	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	378483	20.00	ng	0.00
75) Chrysene-d12	22.62	240	350934	20.00	ng	0.00
86) Perylene-d12	26.43	264	319909	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.34	112	597644	139.73	ng	0.00
7) Phenol-d6	8.02	99	743860	124.77	ng	0.00
23) Nitrobenzene-d5	10.12	82	519236	118.75	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	263151	151.57	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	1112913	97.21	ng	0.00
78) Terphenyl-d14	20.78	244	1593552	102.02	ng	0.00

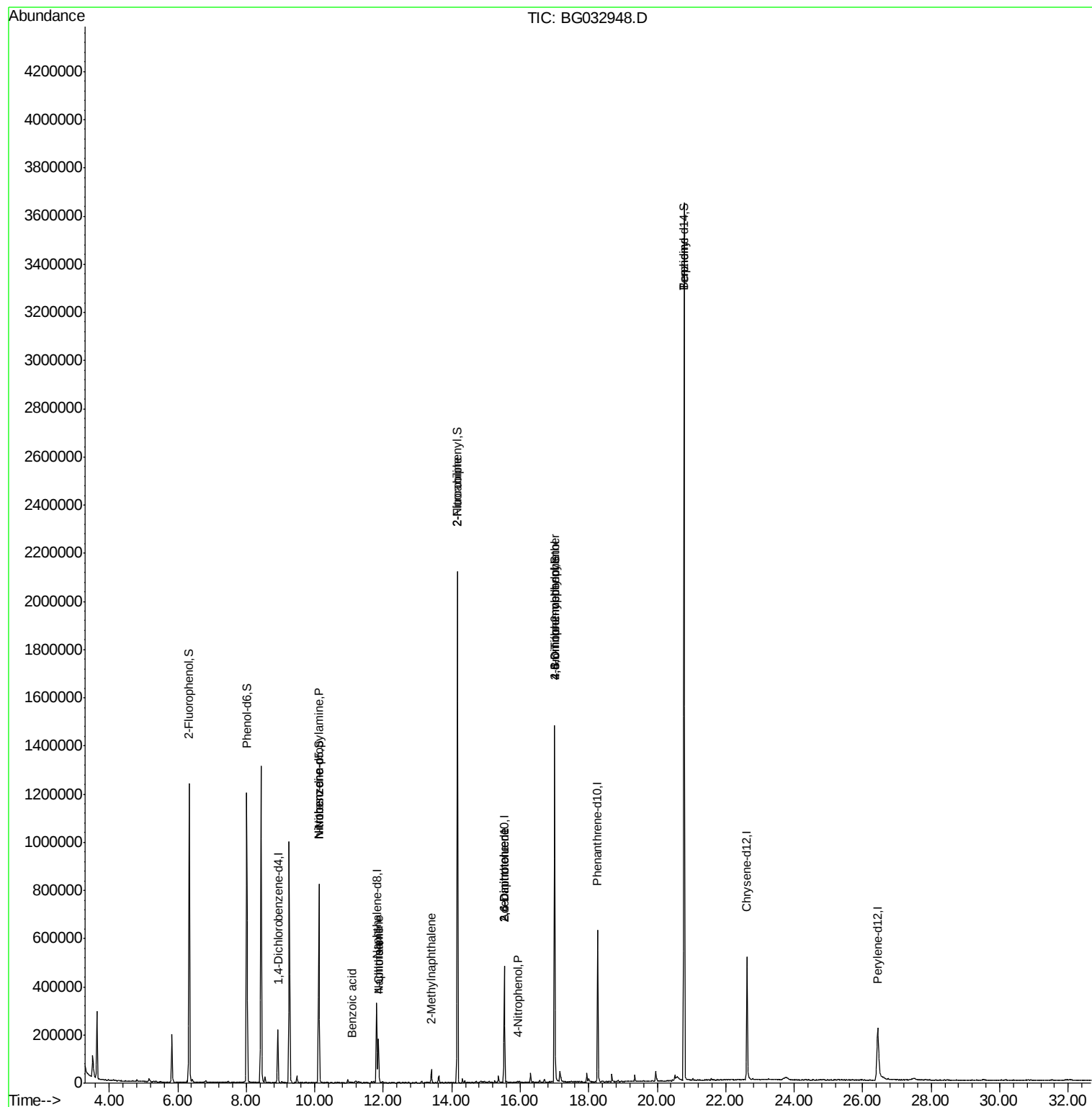
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.12	70	67345	16.001	ng	# 83
24) Nitrobenzene	10.12	77	1708	6.698	ng	# 44
31) Naphthalene	11.86	128	162324	10.622	ng	# 96
32) Benzoic acid	11.08	122	376	5.980	ng	# 46
33) 4-Chloroaniline	11.85	127	21810	3.192	ng	# 30
37) 2-Methylnaphthalene	13.40	142	27967	2.530	ng	# 92
47) 2-Nitroaniline	14.16	65	2066	10.440	ng	# 1
50) 2,6-Dinitrotoluene	15.54	165	21958	16.606	ng	# 19
55) 4-Nitrophenol	15.93	139	734	7.372	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	21958	14.806	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	807	5.854	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	18944	4.734	ng	# 1
76) Benzidine	20.78	184	28154	2.354	ng	# 92

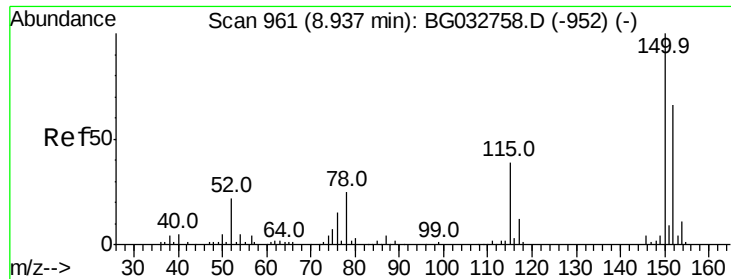
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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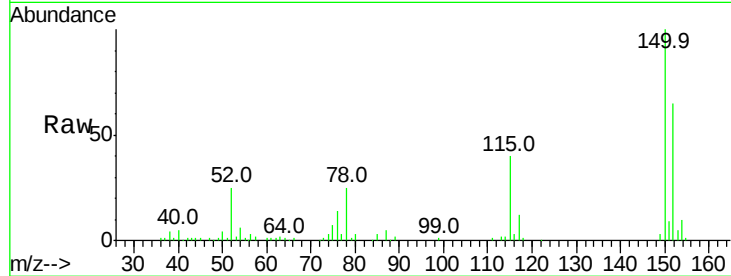


#1

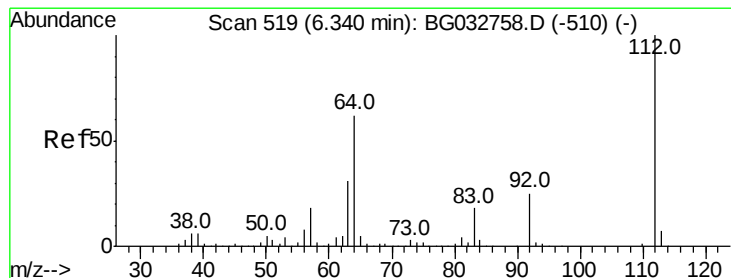
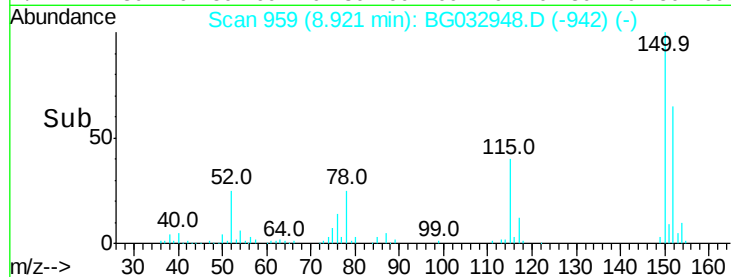
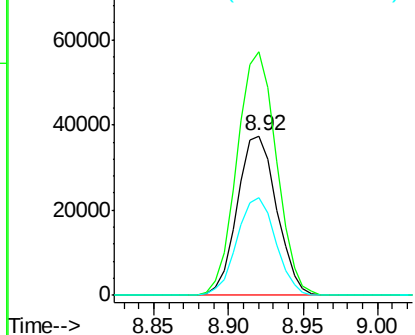
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 959
Delta R.T. -0.00 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 68428
Ion Ratio Lower Upper
152 100
150 152.7 126.6 189.8
115 61.1 53.0 79.4



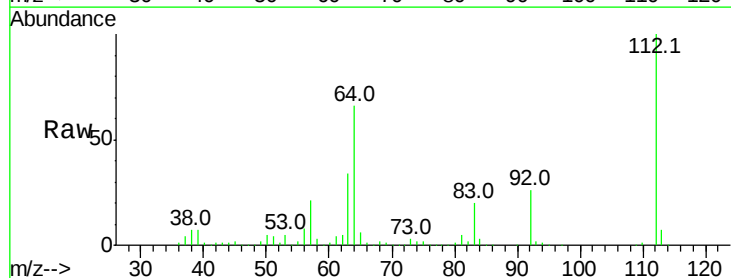
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



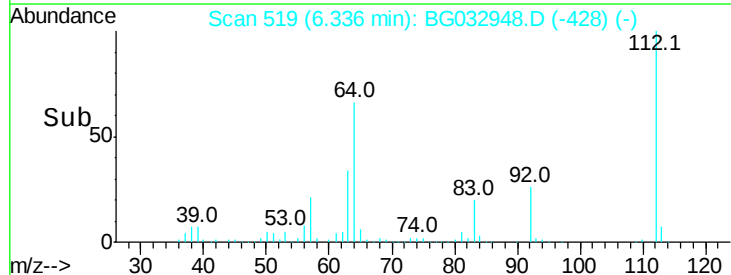
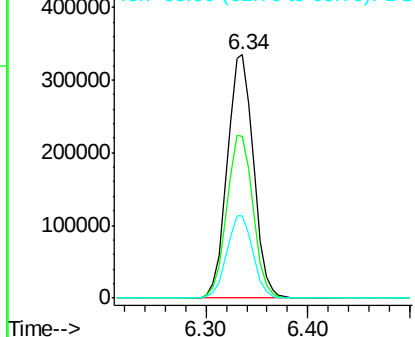
#5

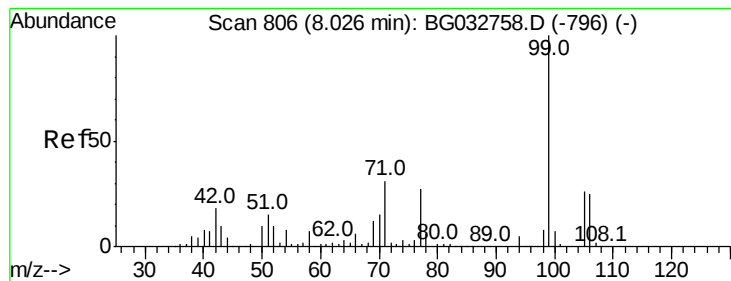
2-Fluorophenol
Concen: 139.730 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Tgt Ion:112 Resp: 597644
Ion Ratio Lower Upper
112 100
64 66.2 56.3 84.5
63 33.9 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 124.772 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.00 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

Instrument :

BNA_G

ClientSampleId :

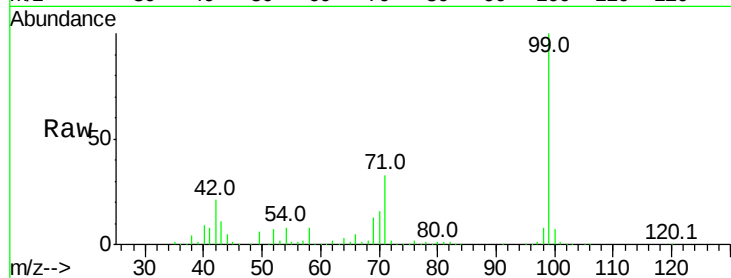
Tot Ion: 99 Resp: 743860

Ion Ratio Lower Upper

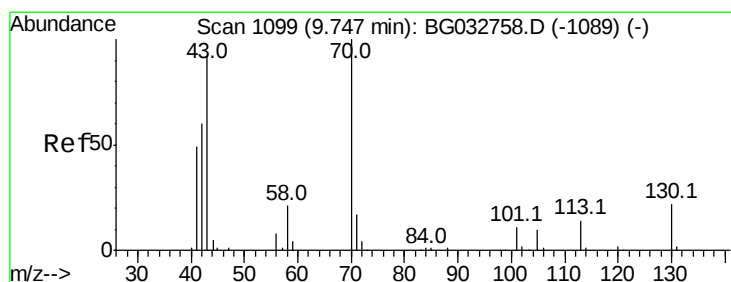
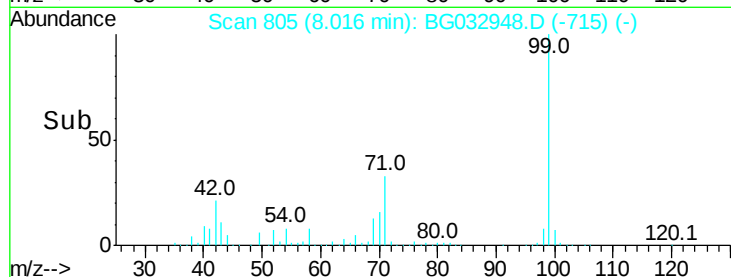
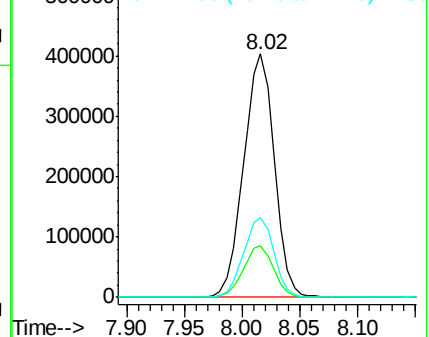
99 100

42 21.2 14.1 21.1#

71 32.7 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.001 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.39 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

Tgt Ion: 70 Resp: 67345

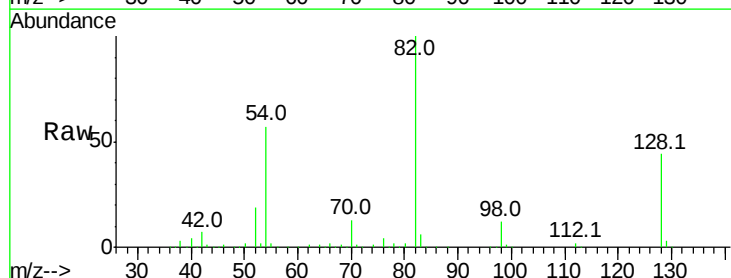
Ion Ratio Lower Upper

70 100

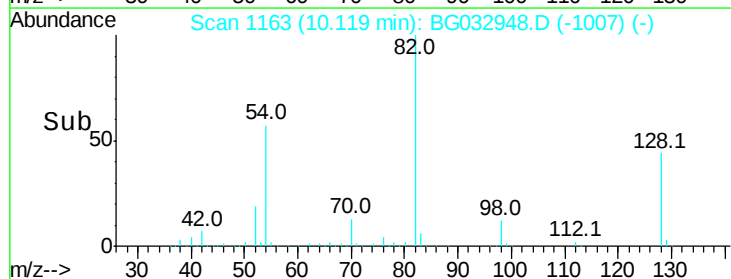
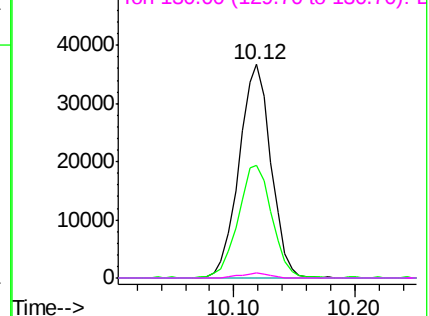
42 53.0 49.1 73.7

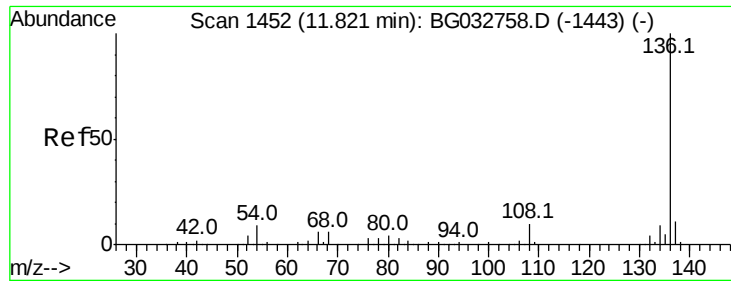
101 0.0 8.5 12.7#

130 2.3 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

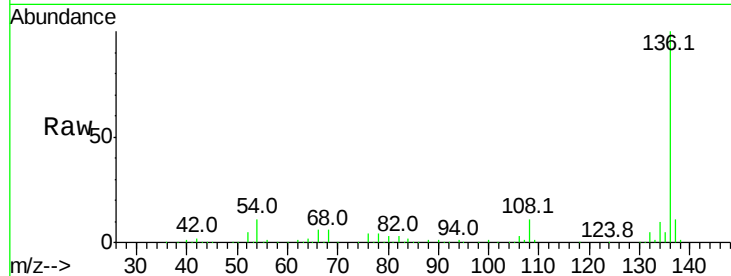




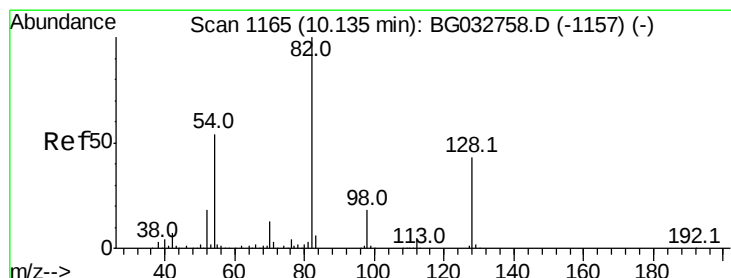
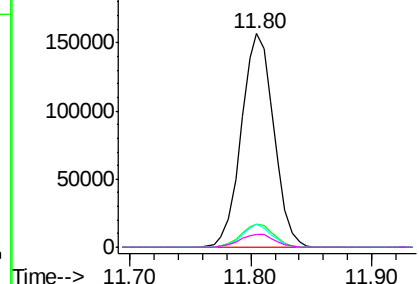
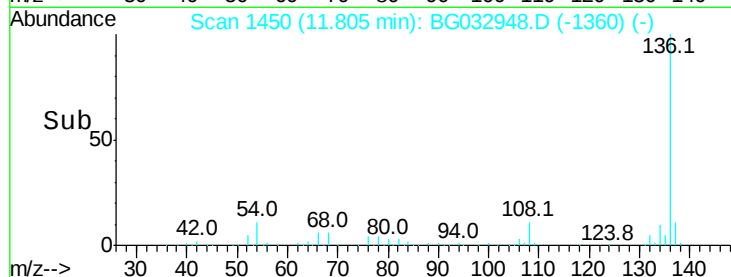
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	292446
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	10.5	10.3	15.5
68	6.2	4.5	6.7

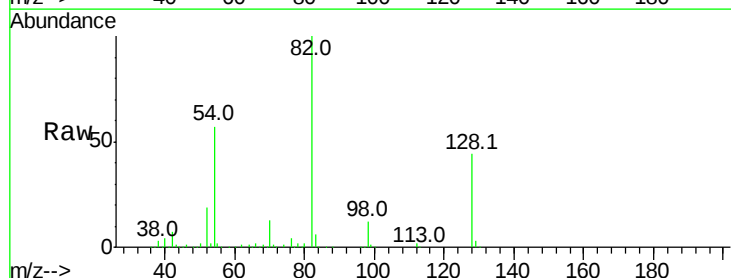


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

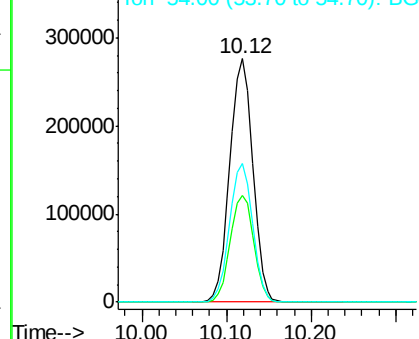
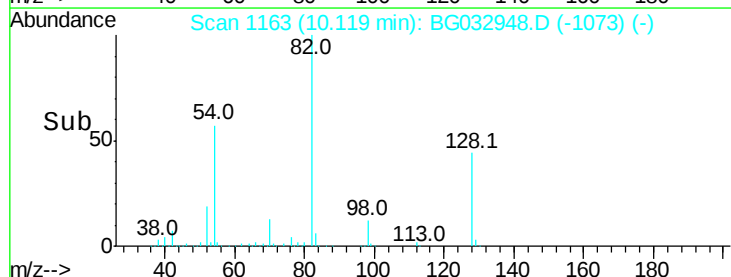


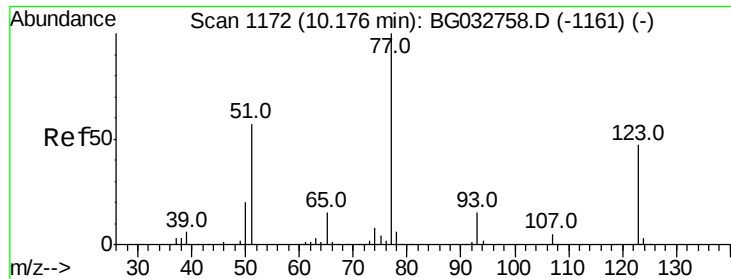
#23
Nitrobenzene-d5
Concen: 118.755 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Tgt Ion:	82	Resp:	519236
Ion	Ratio	Lower	Upper
82	100		
128	43.7	29.7	44.5
54	57.1	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#24

Nitrobenzene

Concen: 6.698 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

Instrument :

BNA_G

ClientSampled :

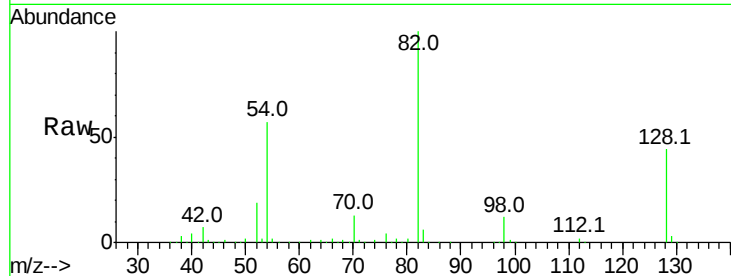
Tot Ion: 77 Resp: 1708

Ion Ratio Lower Upper

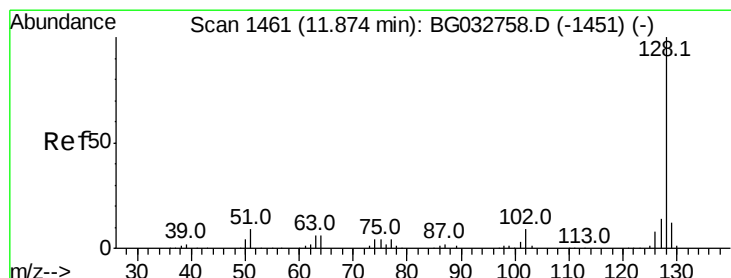
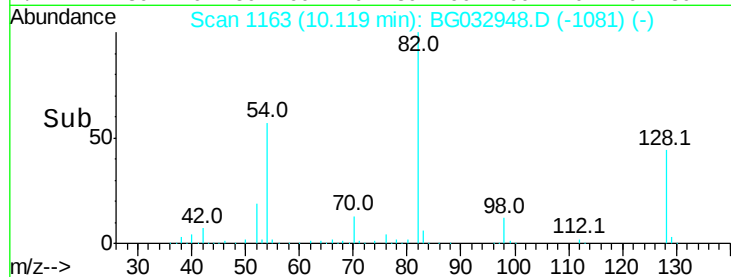
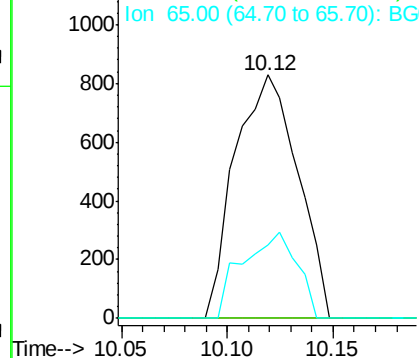
77 100

123 0.0 33.0 49.6#

65 29.9 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 10.622 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.00 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

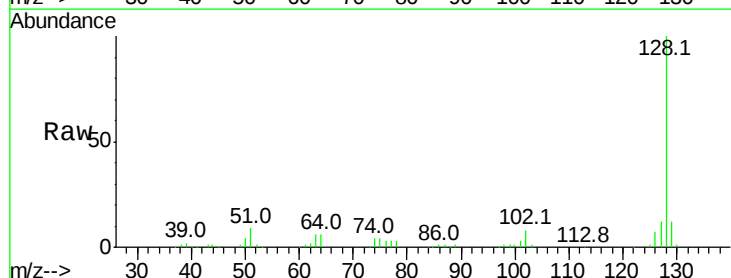
Tgt Ion: 128 Resp: 162324

Ion Ratio Lower Upper

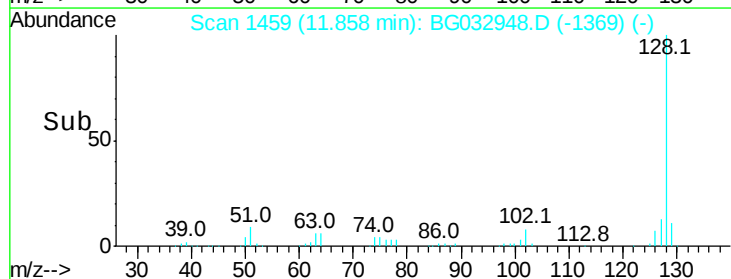
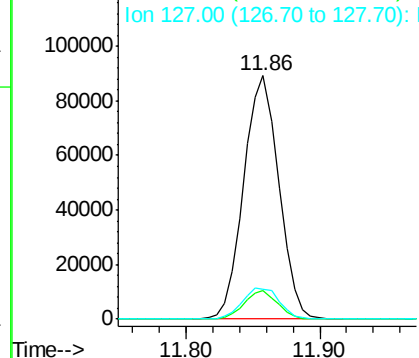
128 100

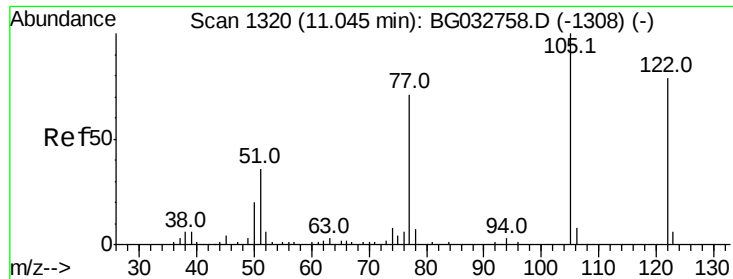
129 11.8 8.6 12.8

127 12.5 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

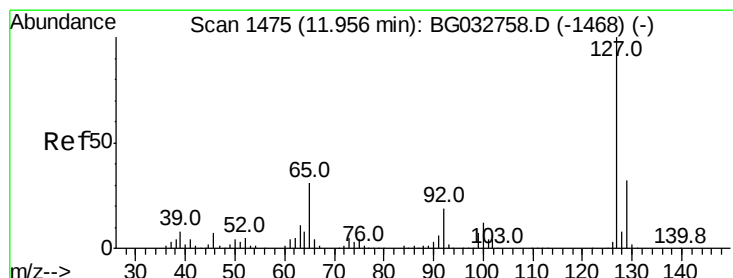
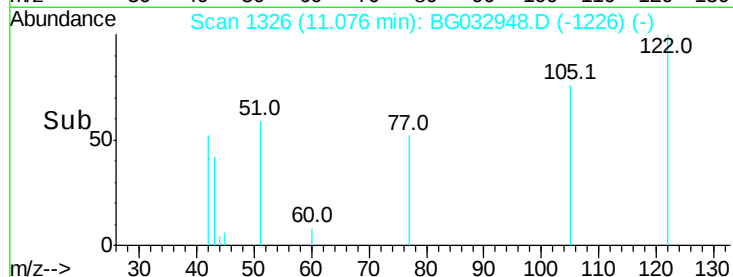
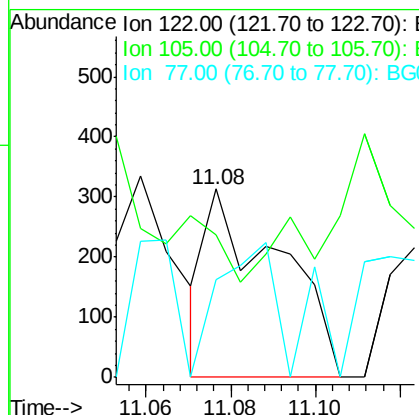
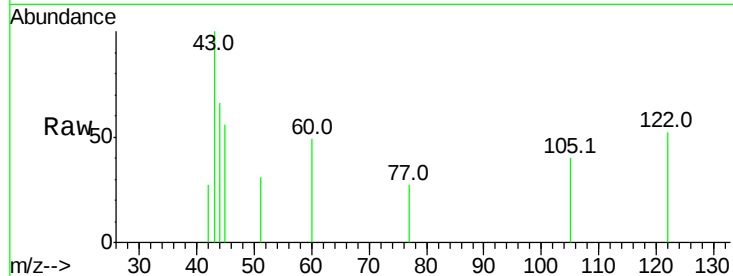




#32
 Benzoic acid
 Concen: 5.980 ng
 RT: 11.08 min Scan# 1326
 Delta R.T. 0.06 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

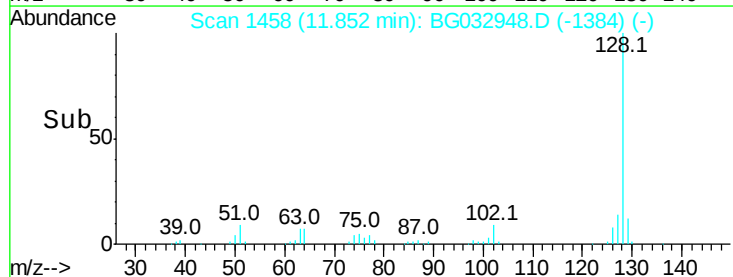
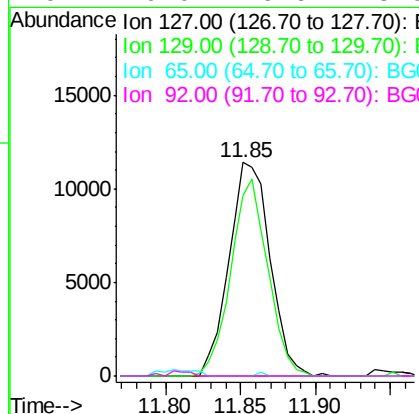
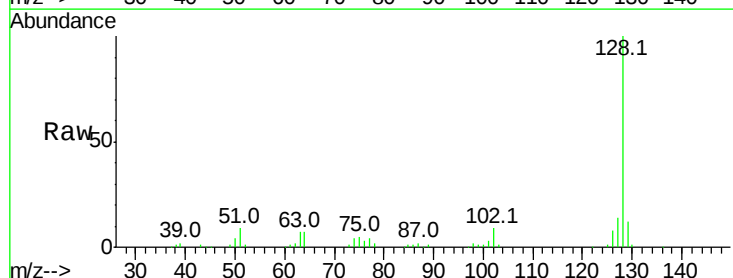
Instrument :
 BNA_G
 ClientSampleId :

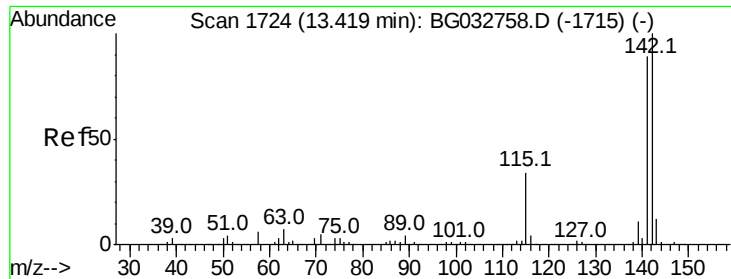
Tot Ion:122 Resp: 376
 Ion Ratio Lower Upper
 122 100
 105 76.0 123.5 163.5#
 77 51.8 85.7 125.7#



#33
 4-Chloroaniline
 Concen: 3.192 ng
 RT: 11.85 min Scan# 1458
 Delta R.T. -0.09 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Tgt Ion:127 Resp: 21810
 Ion Ratio Lower Upper
 127 100
 129 84.7 24.0 36.0#
 65 0.0 27.0 40.4#
 92 0.0 16.6 25.0#

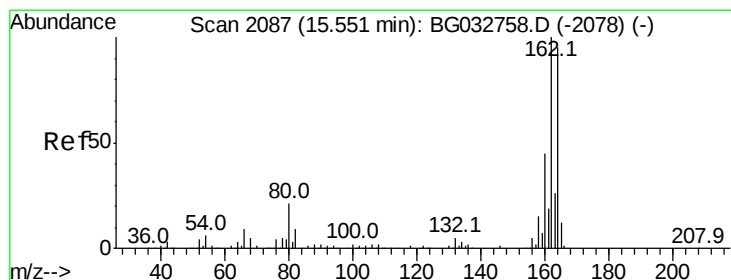
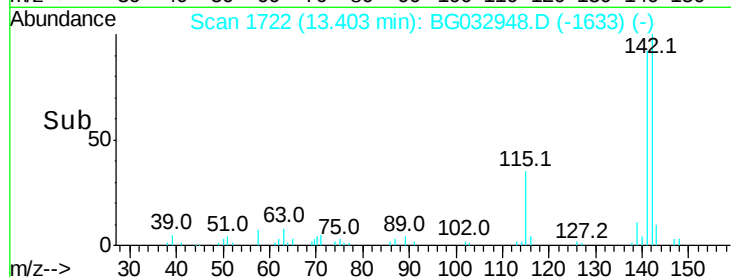
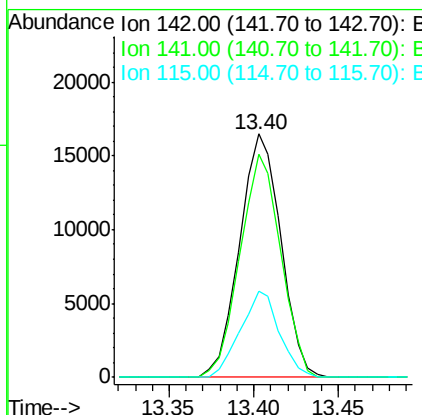
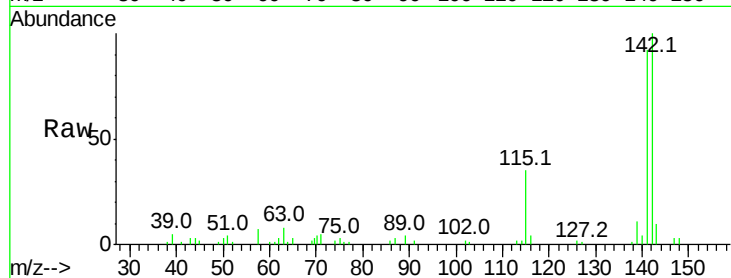




#37
2-Methylnaphthalene
Concen: 2.530 ng
RT: 13.40 min Scan# 1722
Delta R.T. -0.01 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

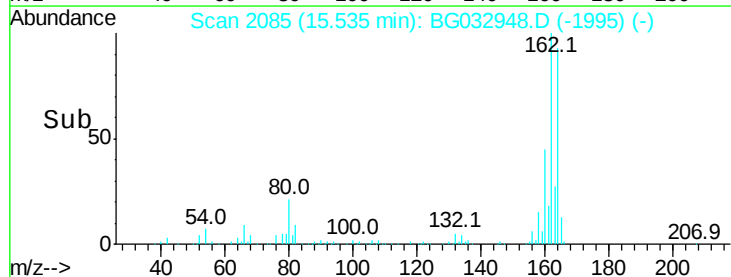
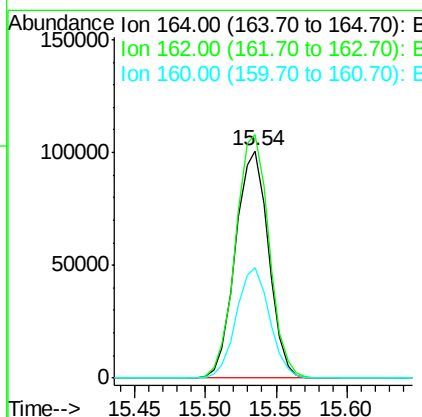
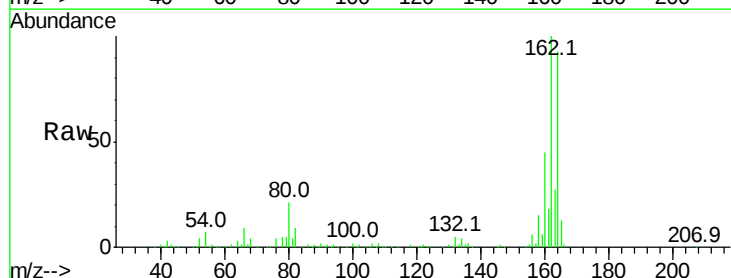
Instrument :
BNA_G
ClientSampled :

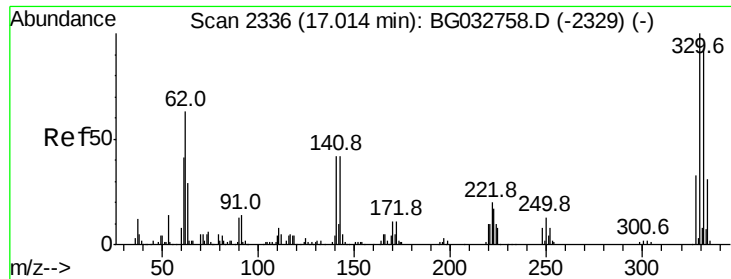
Tot Ion:142 Resp: 27967
Ion Ratio Lower Upper
142 100
141 91.6 67.1 100.7
115 35.2 30.7 46.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.00 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Tgt Ion:164 Resp: 165117
Ion Ratio Lower Upper
164 100
162 107.1 78.8 118.2
160 48.4 35.4 53.0

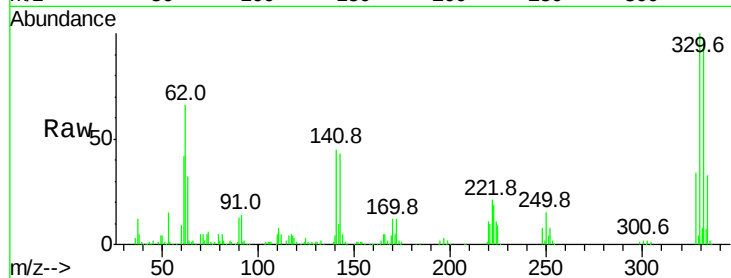




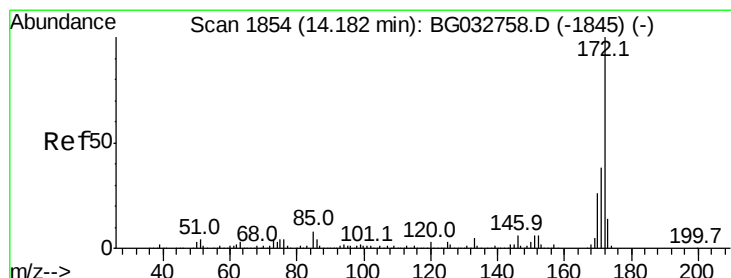
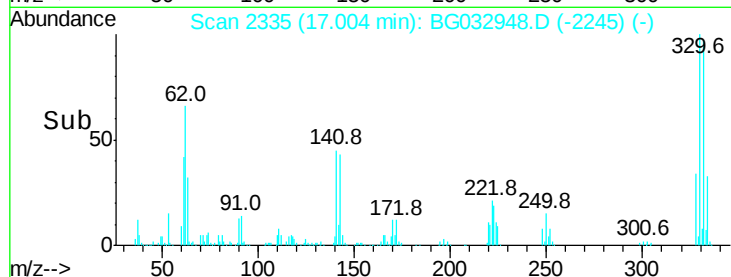
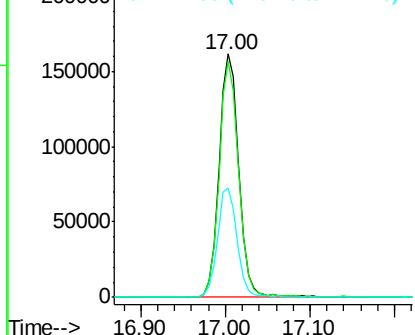
#41
 2,4,6-Tribromophenol
 Concen: 151.572 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 263151
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 44.7 25.2 37.8#

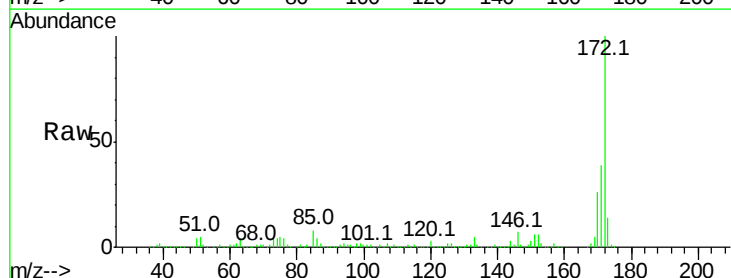


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

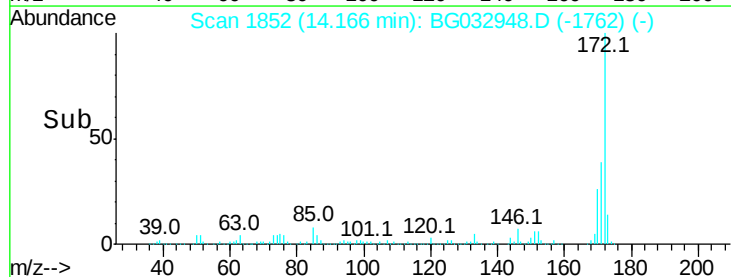
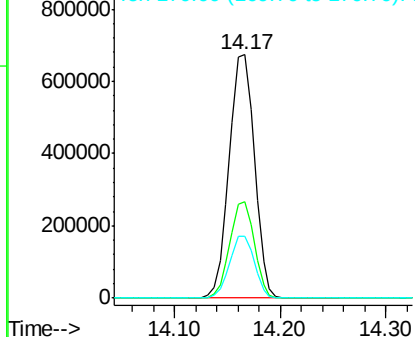


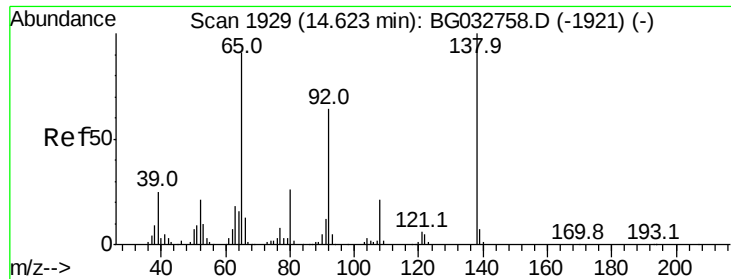
#44
 2-Fluorobiphenyl
 Concen: 97.210 ng
 RT: 14.17 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Tgt Ion:172 Resp: 1112913
 Ion Ratio Lower Upper
 172 100
 171 39.4 30.0 45.0
 170 25.6 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

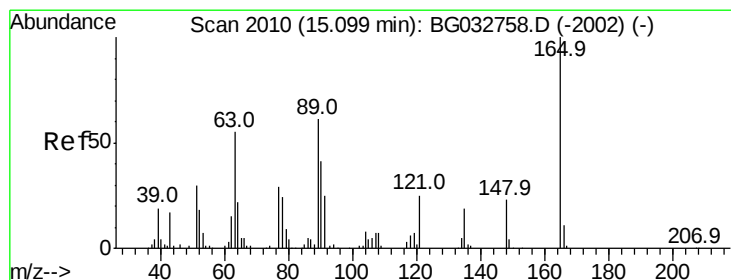
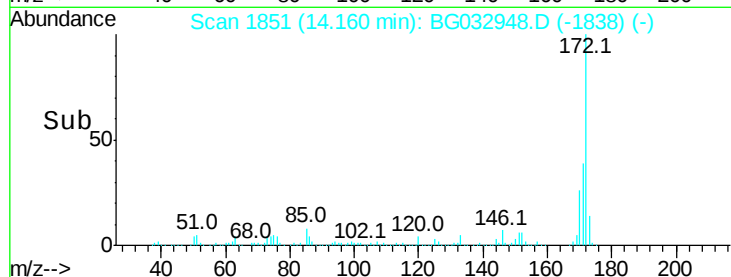
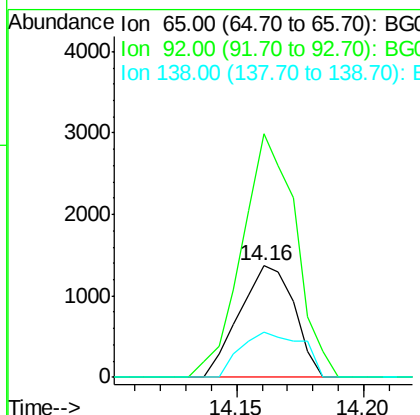
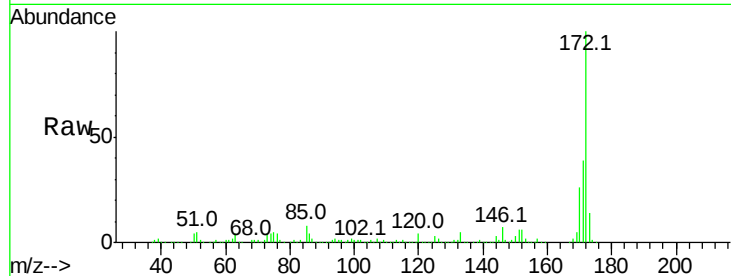




#47
 2-Nitroaniline
 Concen: 10.440 ng
 RT: 14.16 min Scan# 1851
 Delta R.T. -0.45 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

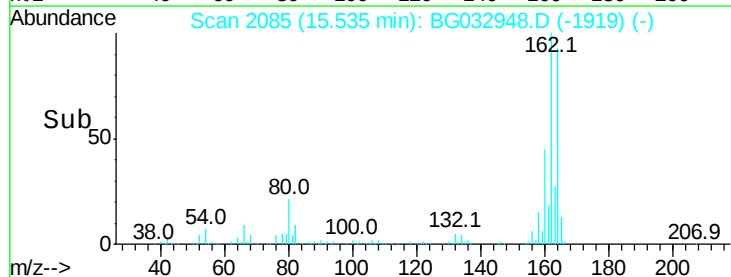
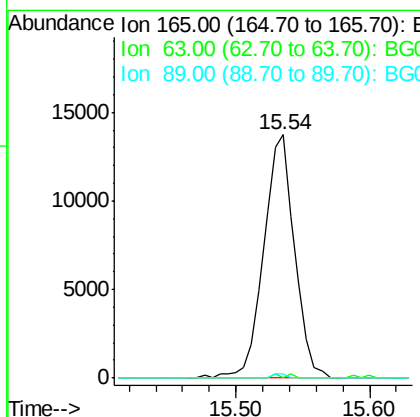
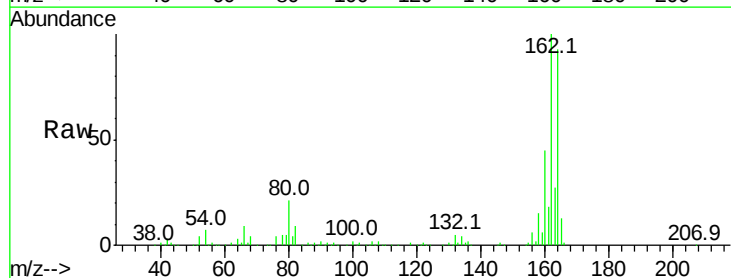
Instrument :
 BNA_G
 ClientSampleId :

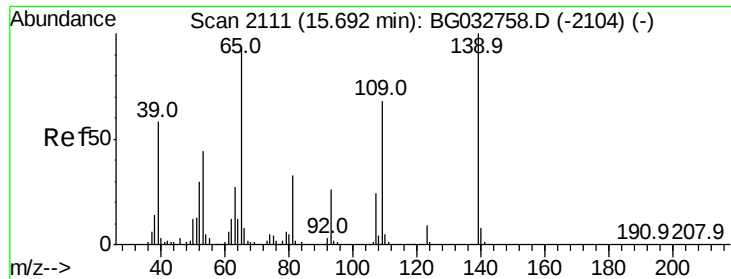
Tot Ion: 65 Resp: 2066
 Ion Ratio Lower Upper
 65 100
 92 218.9 54.6 82.0#
 138 40.3 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.606 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. 0.45 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Tgt Ion:165 Resp: 21958
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 1.8 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.372 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.25 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

Instrument :

BNA_G

ClientSampleId :

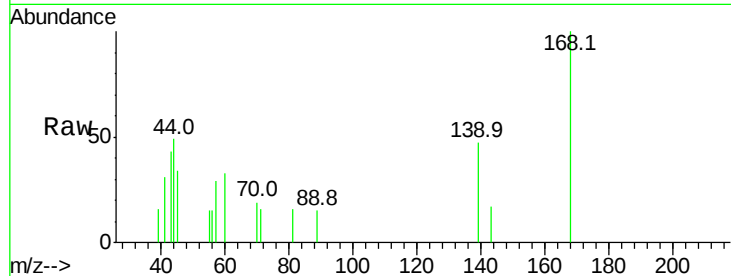
Tot Ion:139 Resp: 734

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

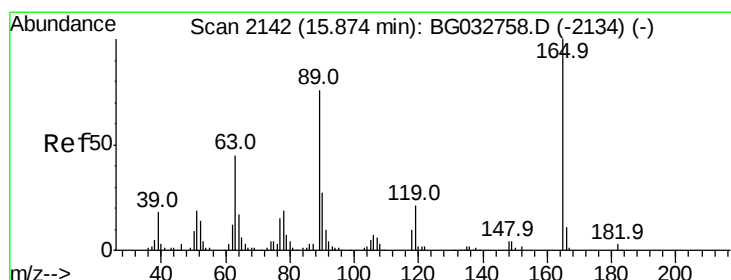
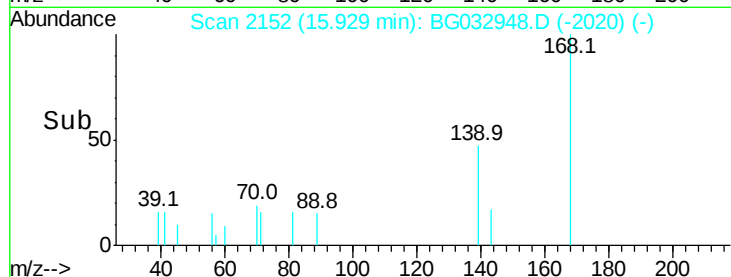
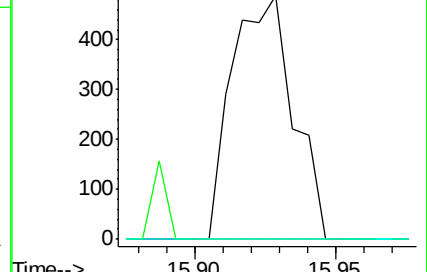
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 14.806 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.32 min

Lab File: BG032948.D

Acq: 2 Mar 2018 16:39

Tgt Ion:165 Resp: 21958

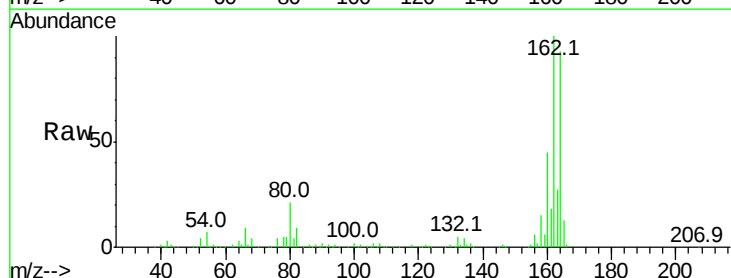
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.8 66.9 100.3#

182 0.0 2.6 3.8#

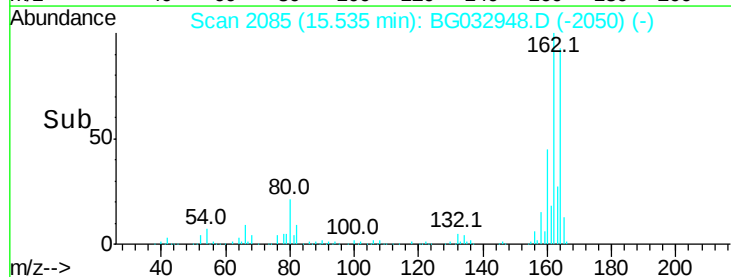
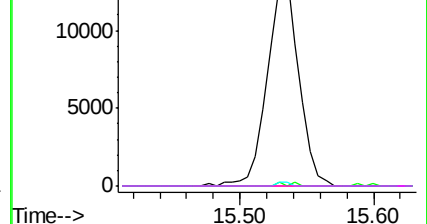


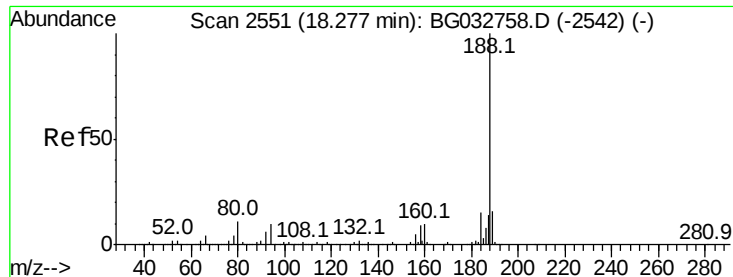
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

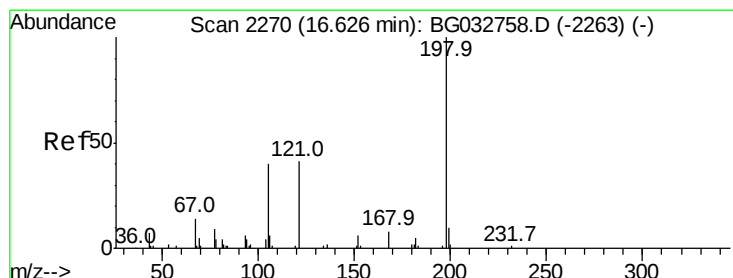
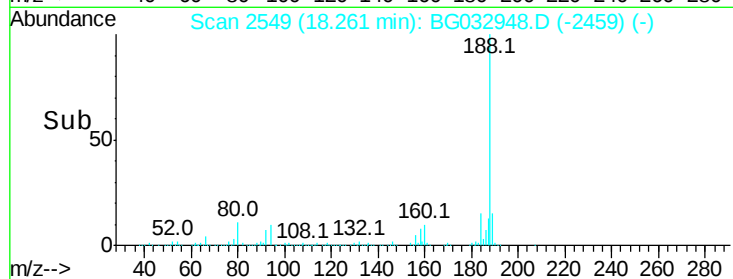
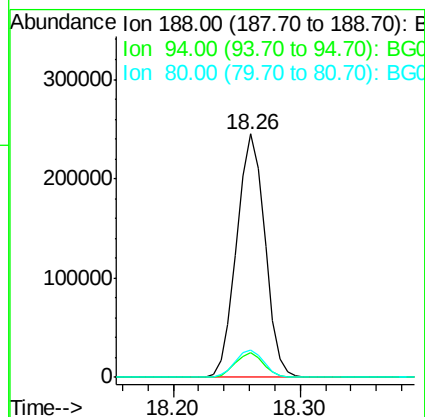
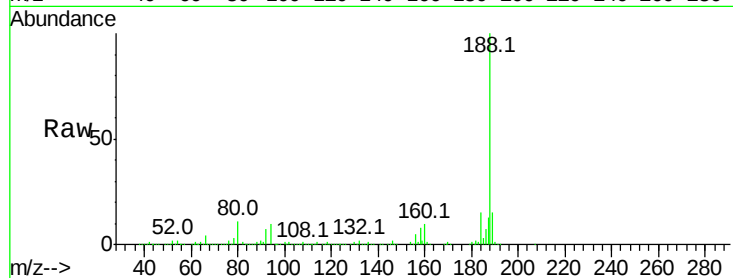




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.26 min Scan# 2549
Delta R.T. -0.00 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

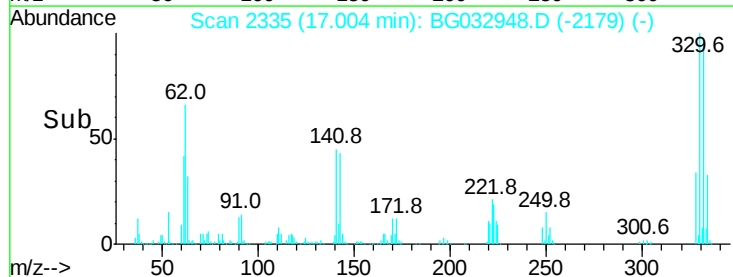
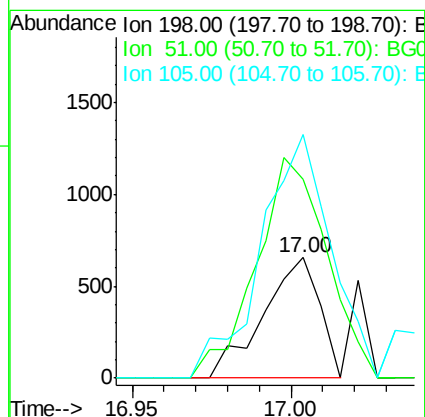
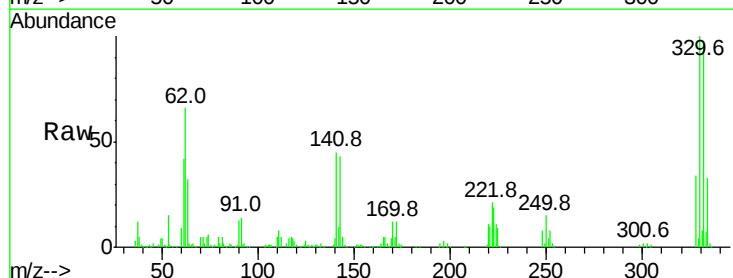
Instrument :
BNA_G
ClientSampleId :

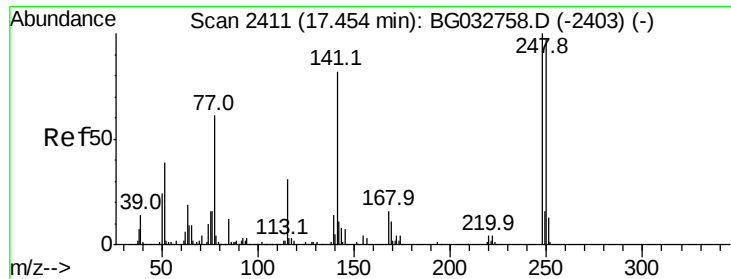
Tot Ion:188 Resp: 378483
Ion Ratio Lower Upper
188 100
94 10.0 6.9 10.3
80 11.1 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 5.854 ng
RT: 17.00 min Scan# 2335
Delta R.T. 0.39 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Tgt Ion:198 Resp: 807
Ion Ratio Lower Upper
198 100
51 164.9 30.6 70.6#
105 202.1 23.8 63.8#

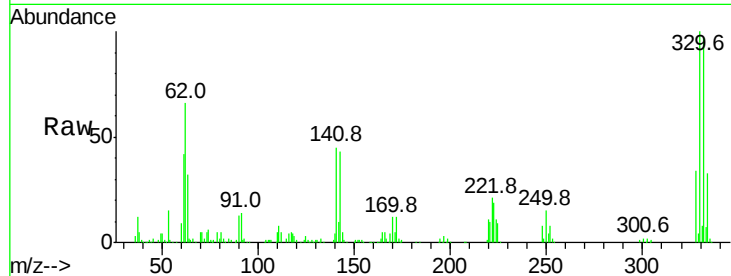




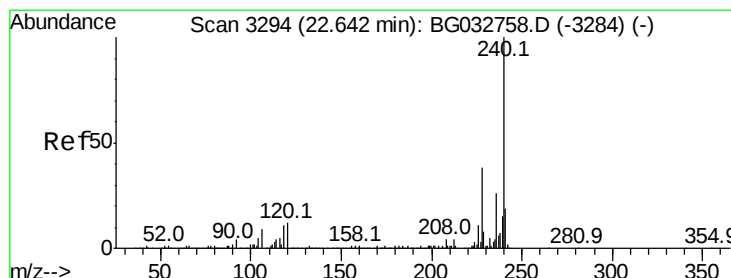
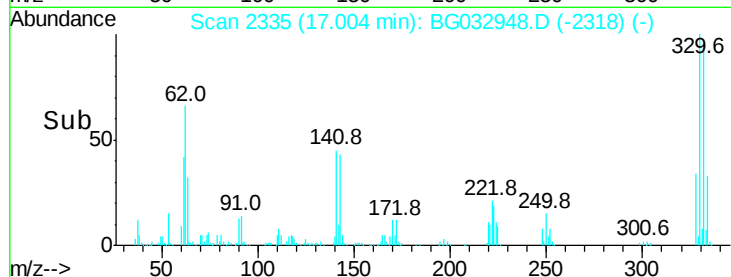
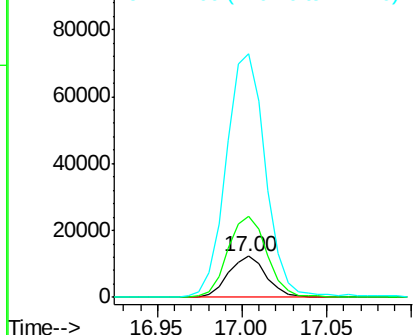
#66
 4-Bromophenyl-phenylether
 Concen: 4.734 ng
 RT: 17.00 min Scan# 2335
 Delta R.T. -0.43 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 18944
 Ion Ratio Lower Upper
 248 100
 250 197.4 77.1 115.7#
 141 593.4 50.8 76.2#

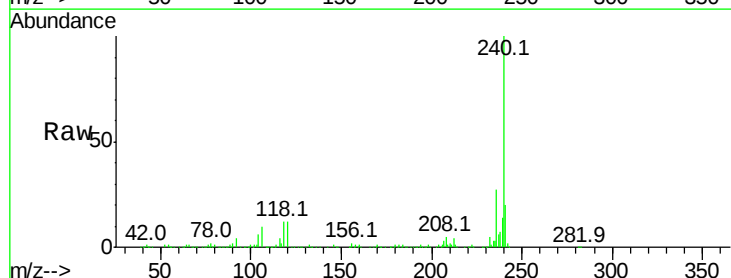


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

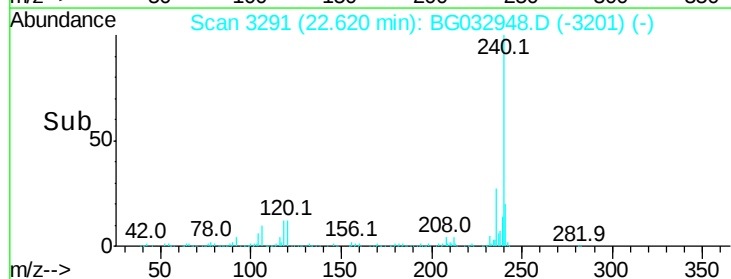
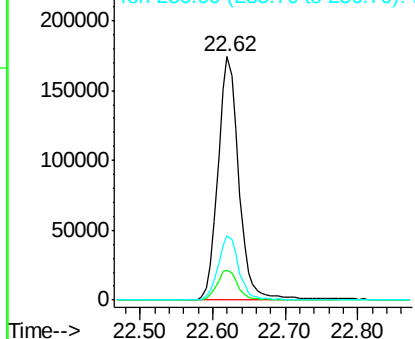


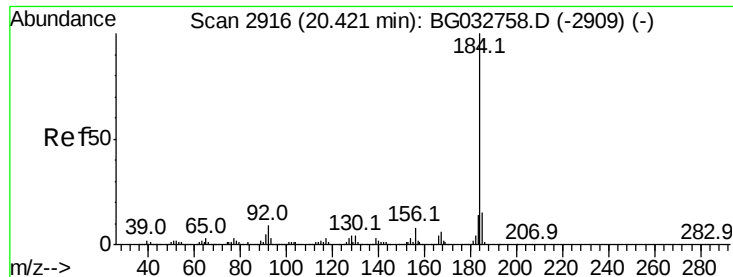
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.62 min Scan# 3291
 Delta R.T. -0.00 min
 Lab File: BG032948.D
 Acq: 2 Mar 2018 16:39

Tgt Ion:240 Resp: 350934
 Ion Ratio Lower Upper
 240 100
 120 12.3 6.8 10.2#
 236 26.6 20.9 31.3



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

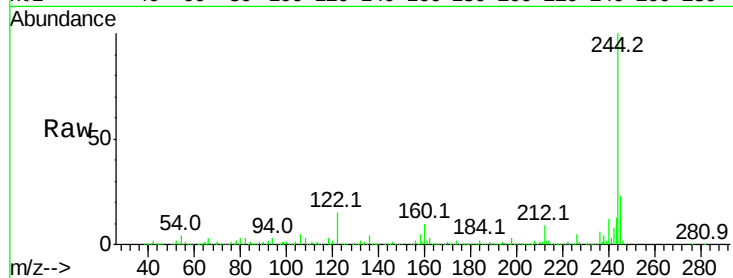




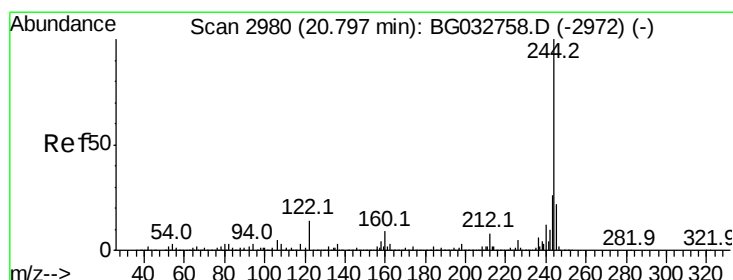
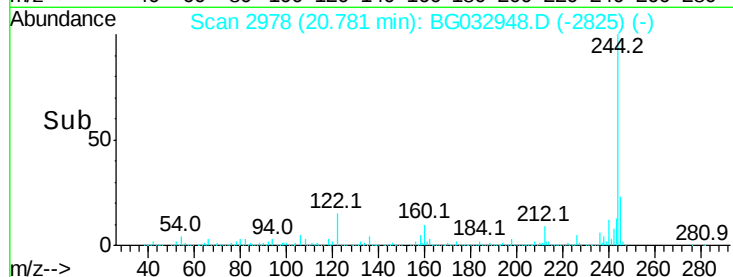
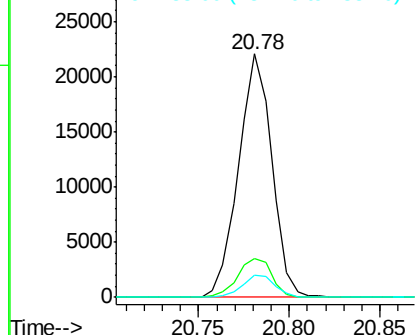
#76
Benzidine
Concen: 2.354 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.37 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 28154
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 9.1 10.6 16.0#

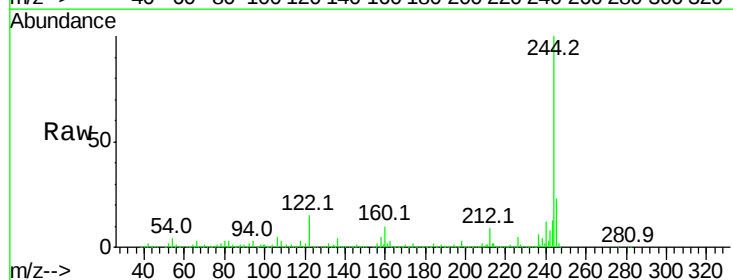


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

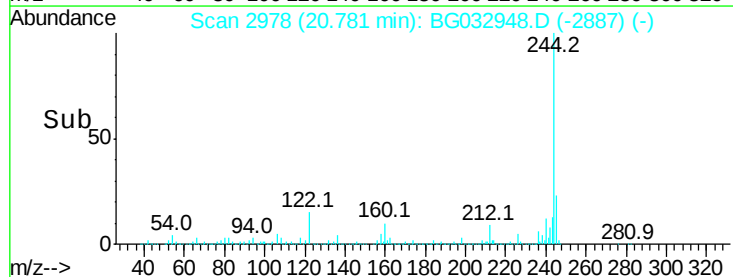
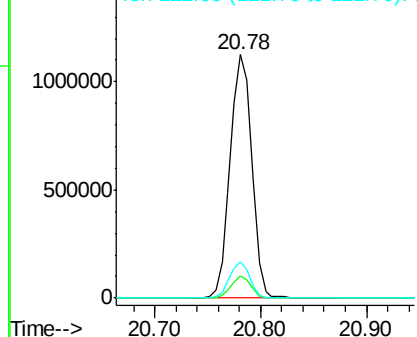


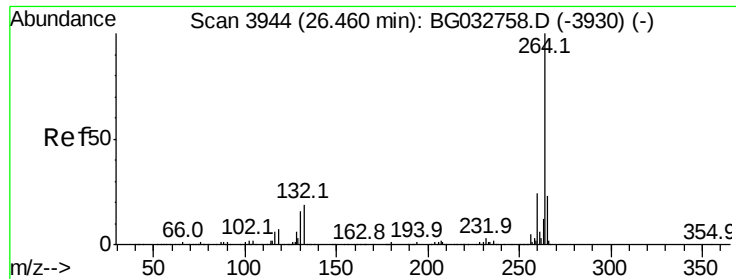
#78
Terphenyl-d14
Concen: 102.021 ng
RT: 20.78 min Scan# 2978
Delta R.T. 0.01 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Tgt Ion:244 Resp: 1593552
Ion Ratio Lower Upper
244 100
212 9.0 5.8 8.8#
122 15.1 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
Pervlene-d12
Concen: 20.000 ng
RT: 26.43 min Scan# 3940
Delta R.T. 0.01 min
Lab File: BG032948.D
Acq: 2 Mar 2018 16:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	22.1	17.7	26.5

