

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033057.D
 Acq On : 9 Mar 2018 2:17
 Operator : SJ/JU
 Sample : J1819-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 04:21:33 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 17:38:59 2018
 Response via : Initial Calibration

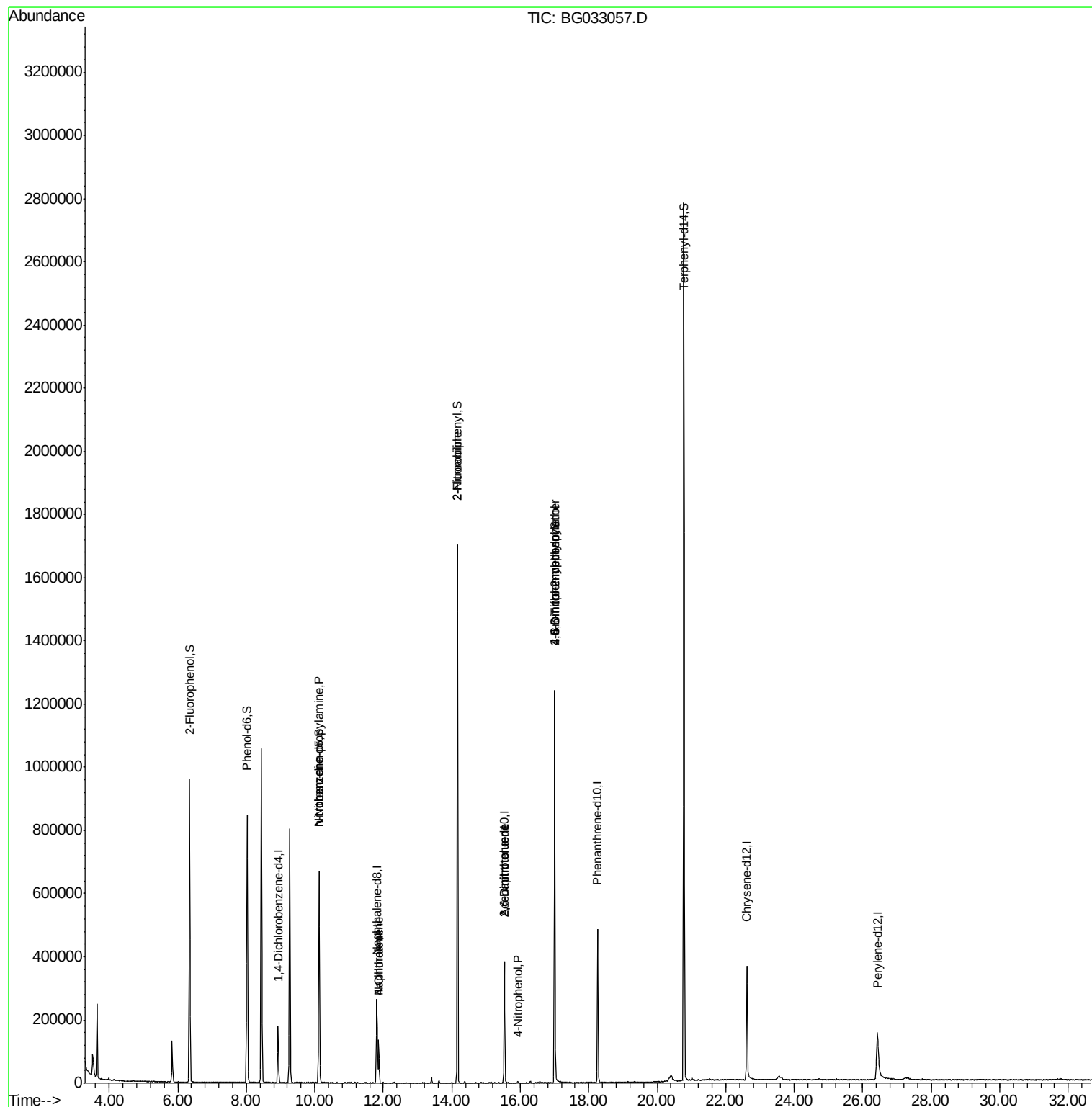
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.93	152	54383	20.00	ng	0.01
21) Naphthalene-d8	11.81	136	233086	20.00	ng	0.01
38) Acenaphthene-d10	15.54	164	129976	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	295200	20.00	ng	0.00
75) Chrysene-d12	22.62	240	272336	20.00	ng	0.00
86) Perylene-d12	26.43	264	252681	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.35	112	450143	132.42	ng	0.03
7) Phenol-d6	8.03	99	527066	111.24	ng	0.02
23) Nitrobenzene-d5	10.13	82	419366	120.21	ng	0.01
41) 2,4,6-Tribromophenol	17.00	330	219804	160.83	ng	0.00
44) 2-Fluorobiphenyl	14.17	172	877879	97.41	ng	0.01
78) Terphenyl-d14	20.78	244	1318996	108.82	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.13	70	56281	16.826	ng	# 84
24) Nitrobenzene	10.12	77	1191	6.658	ng	# 48
31) Naphthalene	11.86	128	116185	9.539	ng	# 99
33) 4-Chloroaniline	11.86	127	16139	2.964	ng	# 37
47) 2-Nitroaniline	14.17	65	1669	10.456	ng	# 9
50) 2,6-Dinitrotoluene	15.54	165	16678	16.336	ng	# 21
55) 4-Nitrophenol	15.93	139	1465	7.819	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	16678	14.533	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.01	198	694	5.946	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	15591	4.995	ng	# 1

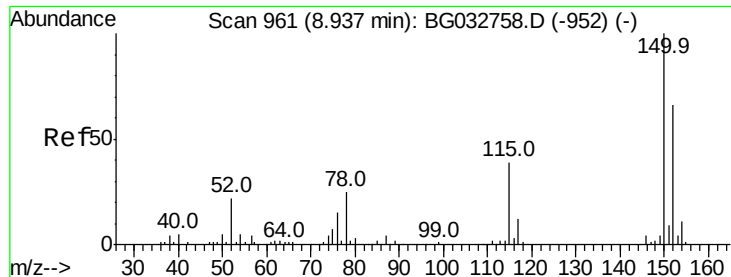
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
Data File : BG033057.D
Acq On : 9 Mar 2018 2:17
Operator : SJ/JU
Sample : J1819-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Mar 09 04:21:33 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration



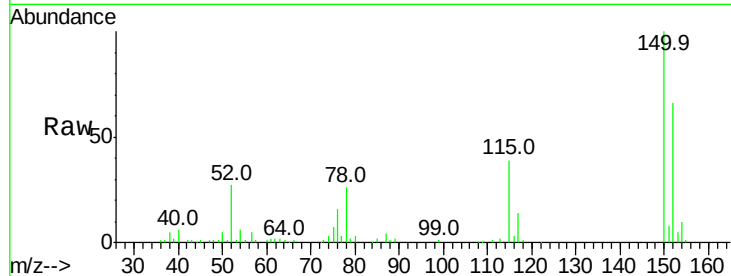


#1

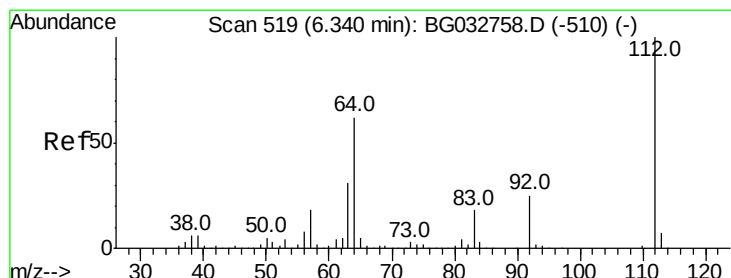
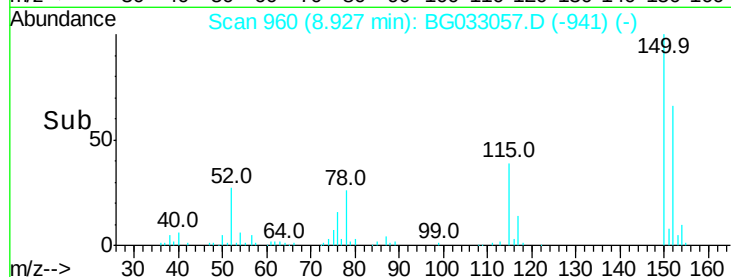
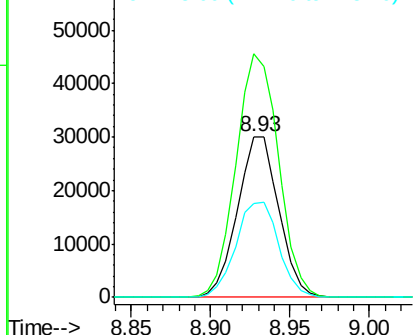
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. 0.01 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54383
Ion Ratio Lower Upper
152 100
150 151.4 126.6 189.8
115 58.3 53.0 79.4



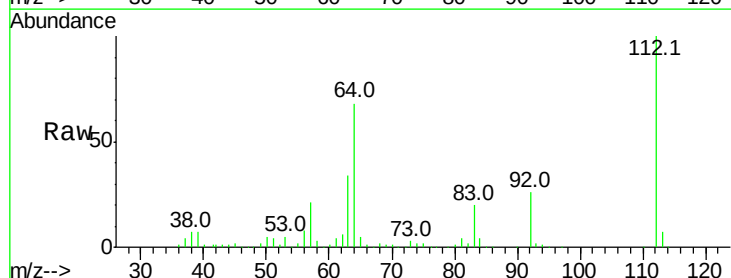
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



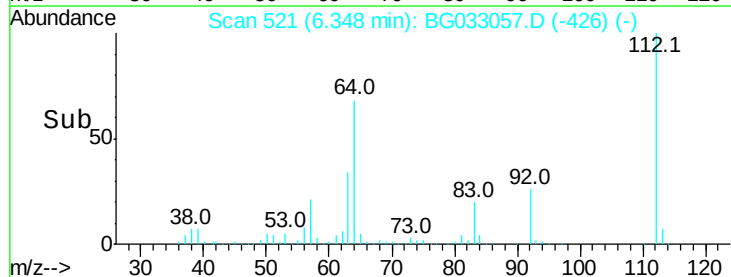
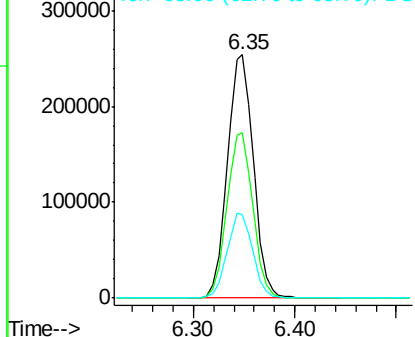
#5

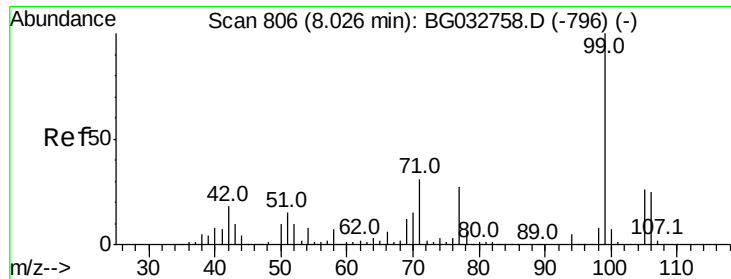
2-Fluorophenol
Concen: 132.424 ng
RT: 6.35 min Scan# 521
Delta R.T. 0.03 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Tgt Ion:112 Resp: 450143
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 34.4 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: 111.240 ng

RT: 8.03 min Scan# 807

Delta R.T. 0.02 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

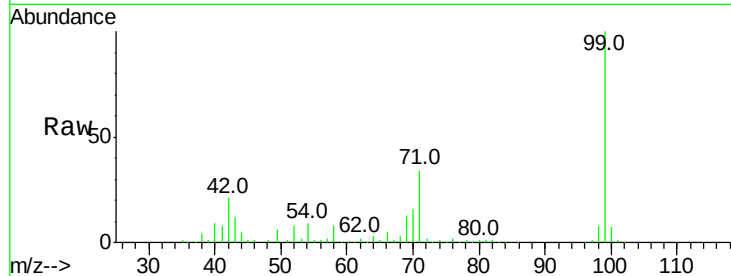
Tot Ion: 99 Resp: 527066

Ion Ratio Lower Upper

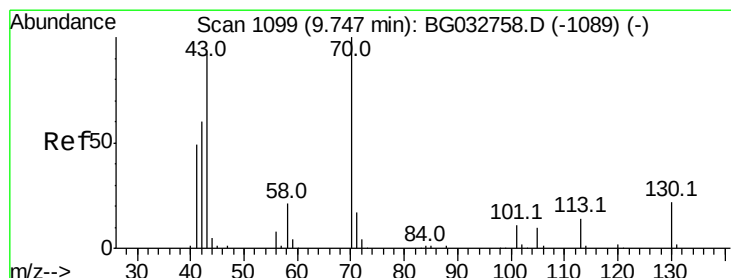
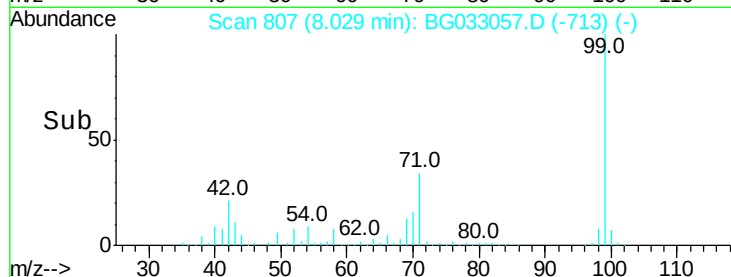
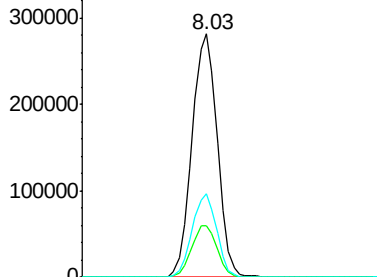
99 100

42 21.1 14.1 21.1

71 34.4 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: 16.826 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.40 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Tgt Ion: 70 Resp: 56281

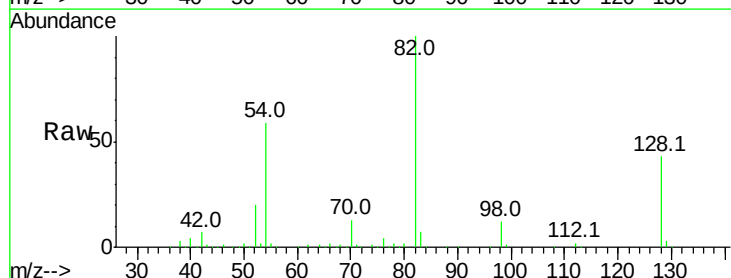
Ion Ratio Lower Upper

70 100

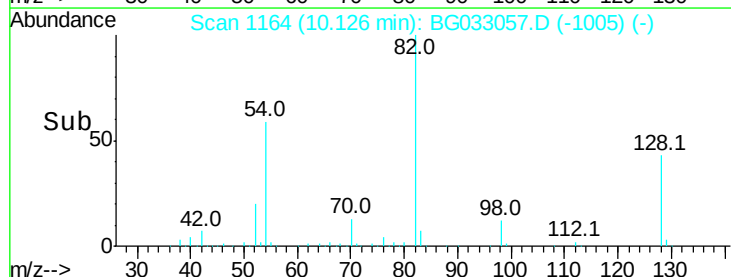
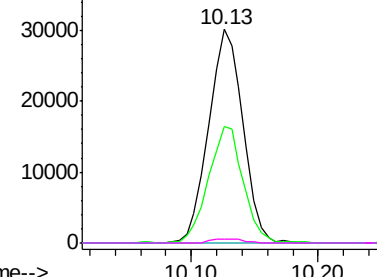
42 54.5 49.1 73.7

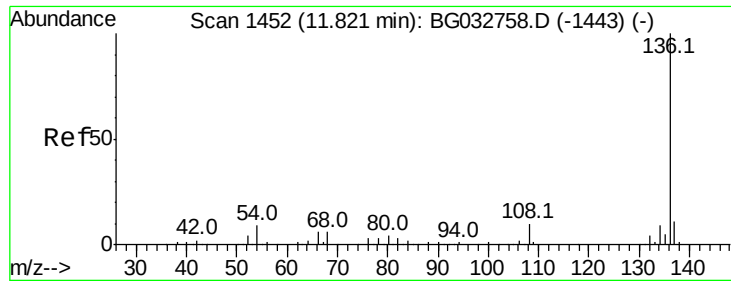
101 0.0 8.5 12.7#

130 1.8 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

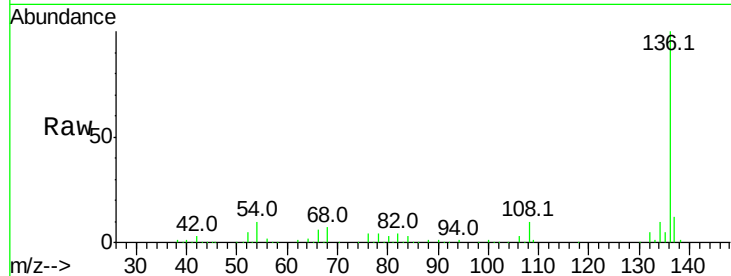




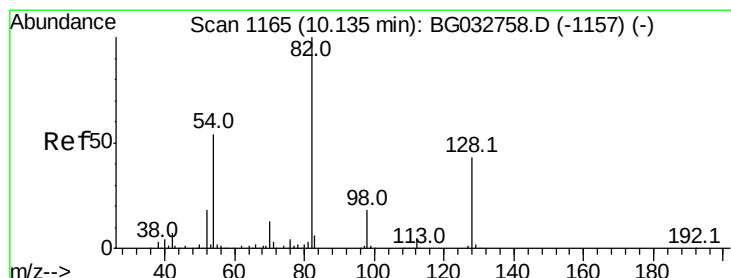
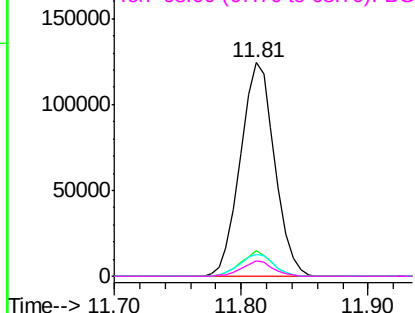
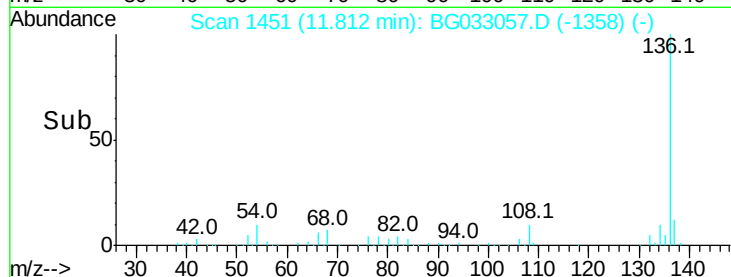
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	233086
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	10.5	10.3	15.5
68	7.2	4.5	6.7#

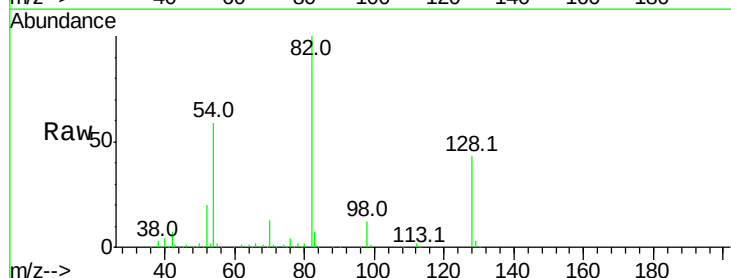


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

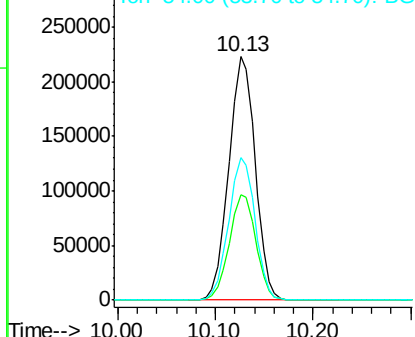
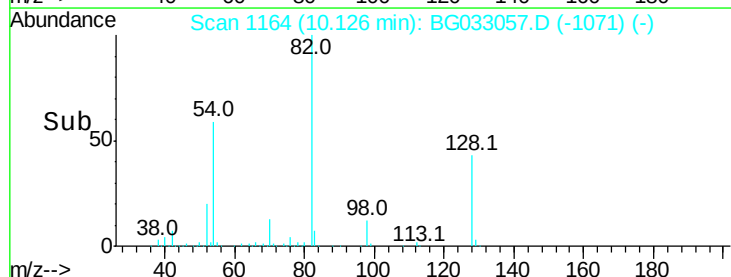


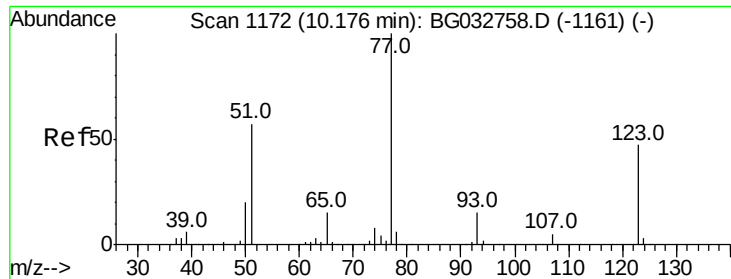
#23
Nitrobenzene-d5
Concen: 120.207 ng
RT: 10.13 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Tgt Ion:	82	Resp:	419366
Ion	Ratio	Lower	Upper
82	100		
128	43.2	29.7	44.5
54	58.6	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: 6.658 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

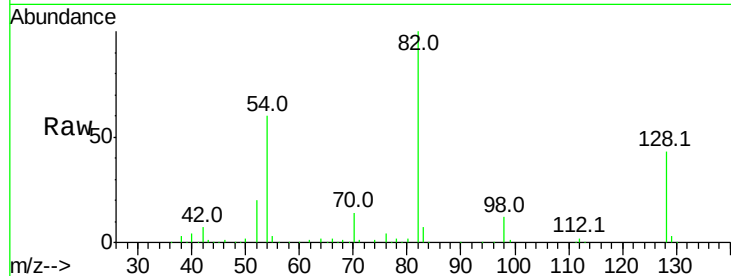
Tot Ion: 77 Resp: 1191

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

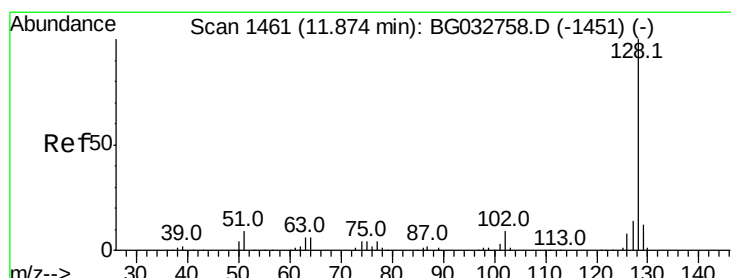
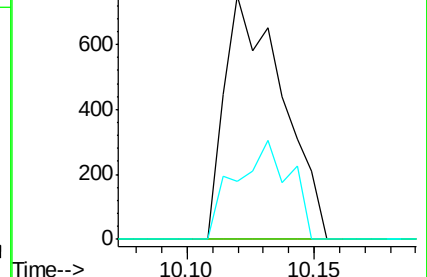
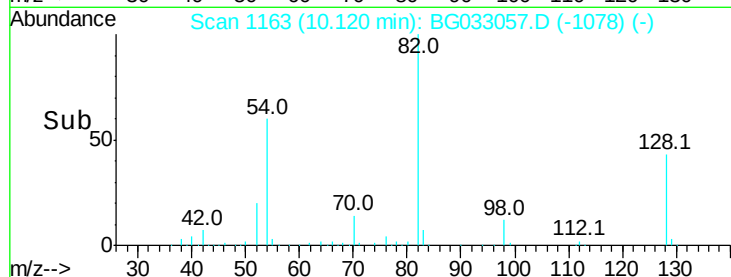
65 23.7 13.0 19.6#



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: 9.539 ng

RT: 11.86 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

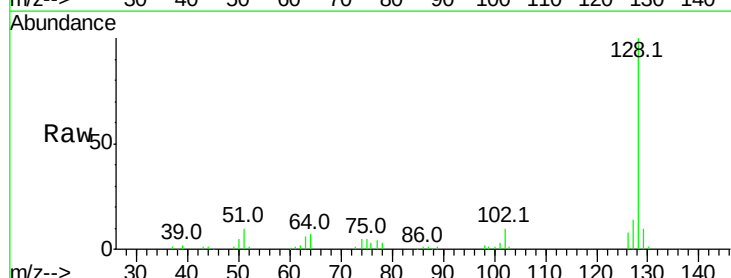
Tgt Ion: 128 Resp: 116185

Ion Ratio Lower Upper

128 100

129 10.4 8.6 12.8

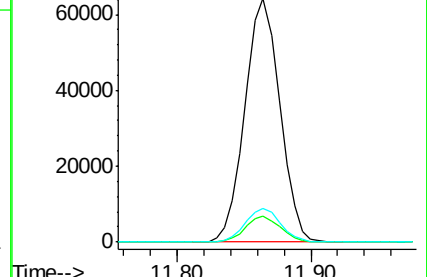
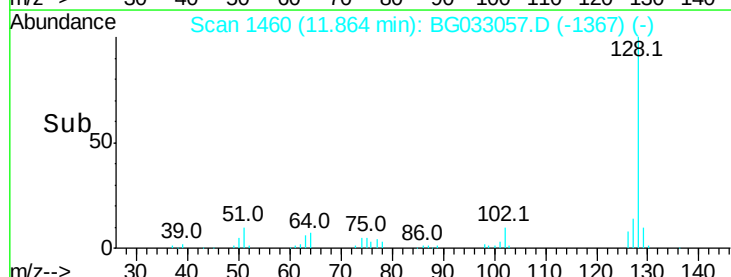
127 14.1 11.6 17.4

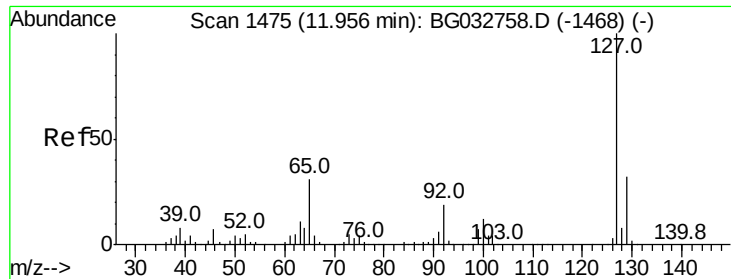


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

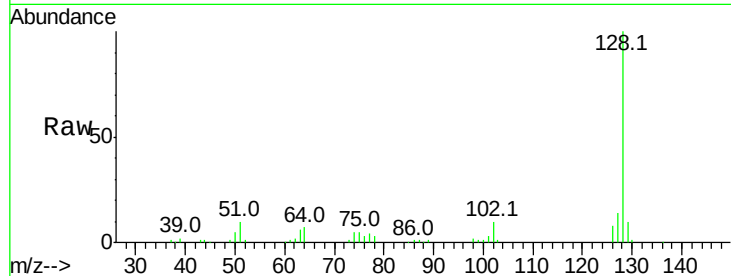




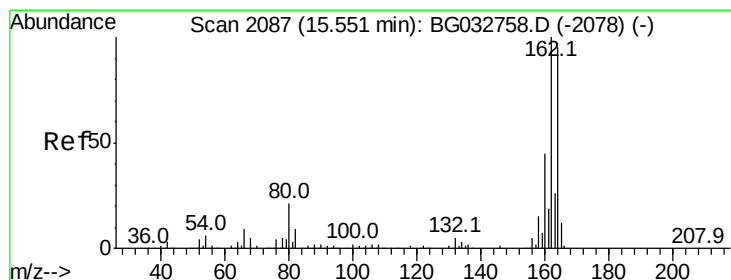
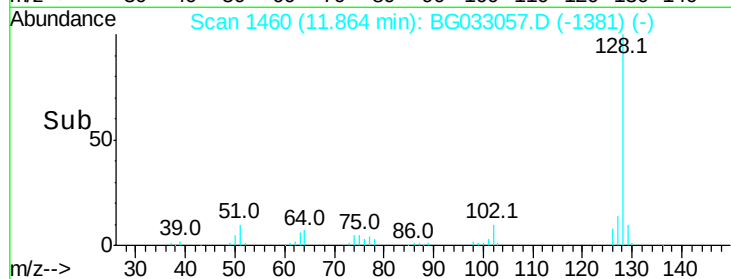
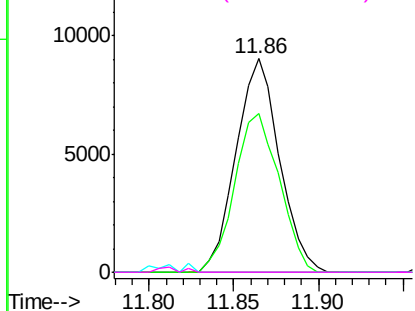
#33
4-Chloroaniline
Concen: 2.964 ng
RT: 11.86 min Scan# 1460
Delta R.T. -0.07 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:127 Resp: 16139
Ion Ratio Lower Upper
127 100
129 74.2 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#

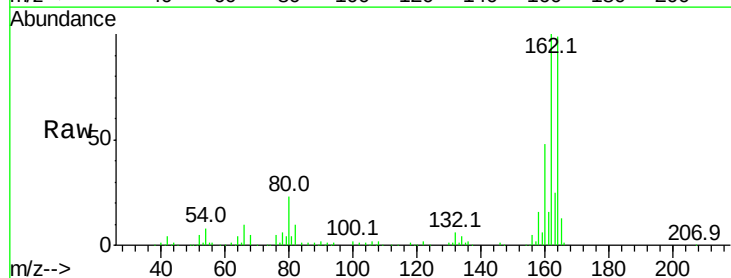


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

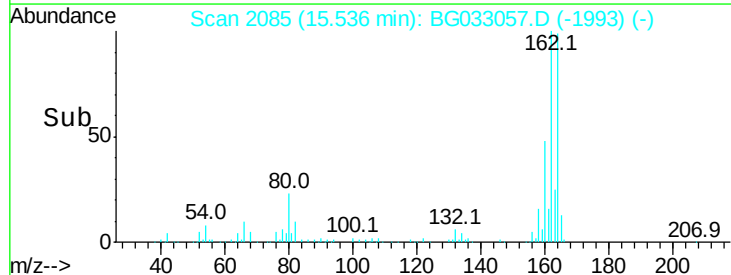
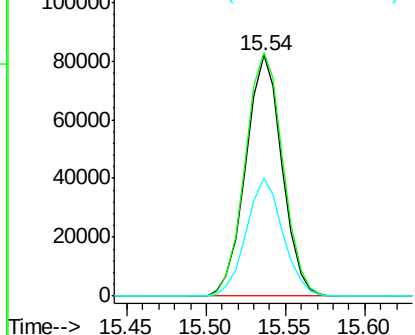


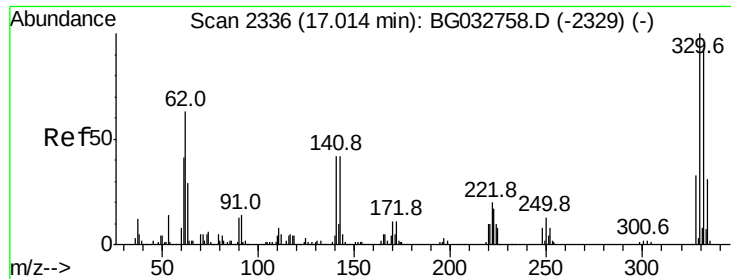
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.01 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Tgt Ion:164 Resp: 129976
Ion Ratio Lower Upper
164 100
162 101.2 78.8 118.2
160 49.1 35.4 53.0



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: 160.834 ng

RT: 17.00 min Scan# 2335

Delta R.T. 0.01 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

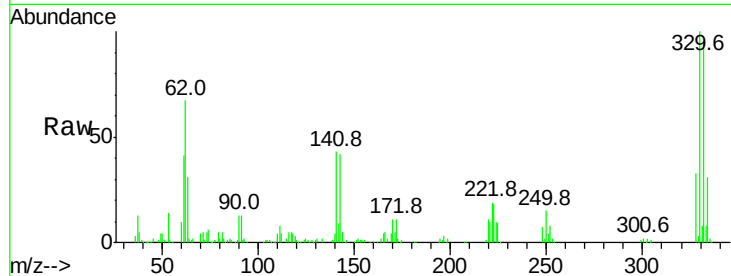
Tot Ion:330 Resp: 219804

Ion Ratio Lower Upper

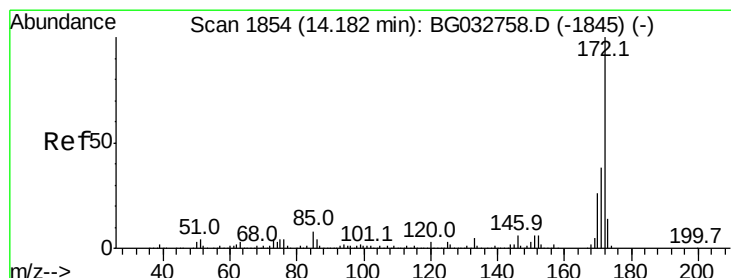
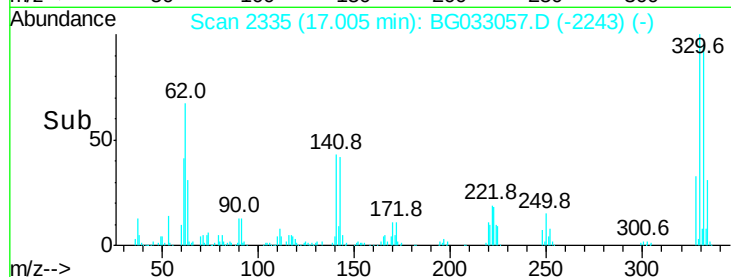
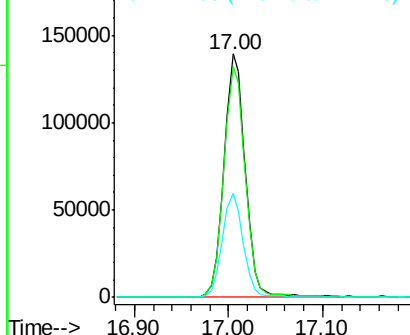
330 100

332 96.5 77.0 115.6

141 42.1 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: 97.412 ng

RT: 14.17 min Scan# 1852

Delta R.T. 0.01 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

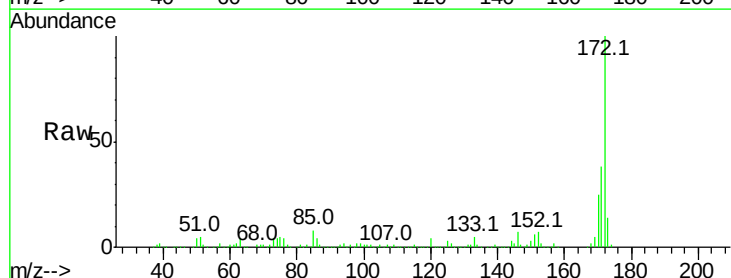
Tgt Ion:172 Resp: 877879

Ion Ratio Lower Upper

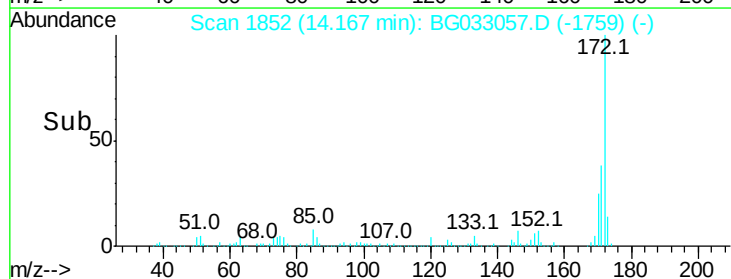
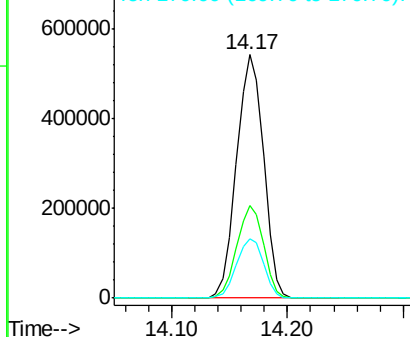
172 100

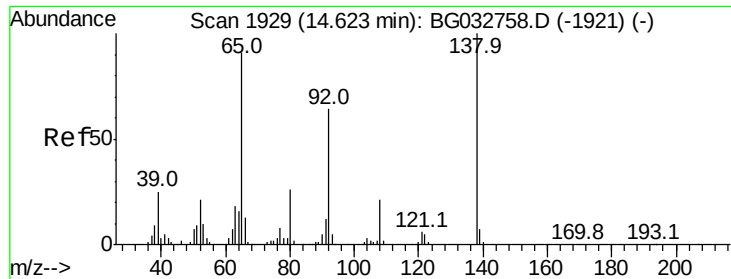
171 37.8 30.0 45.0

170 24.6 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

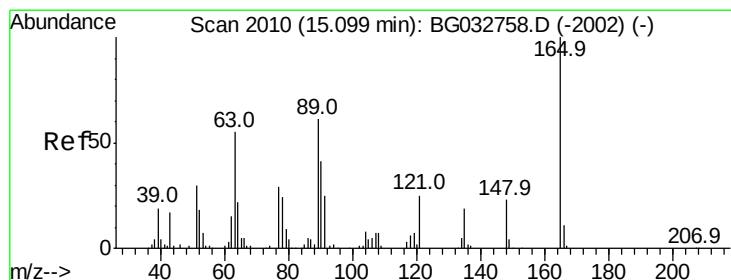
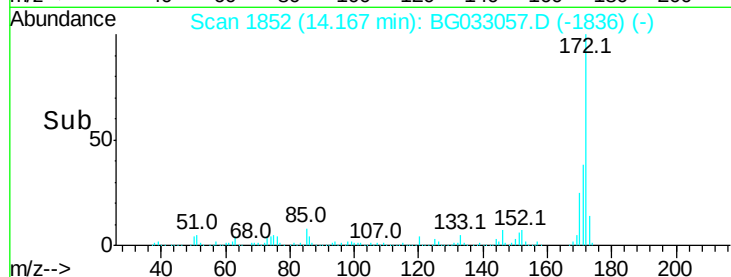
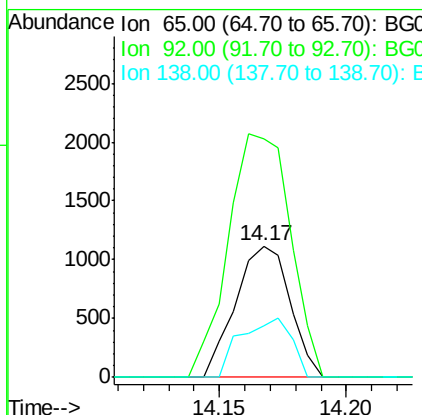
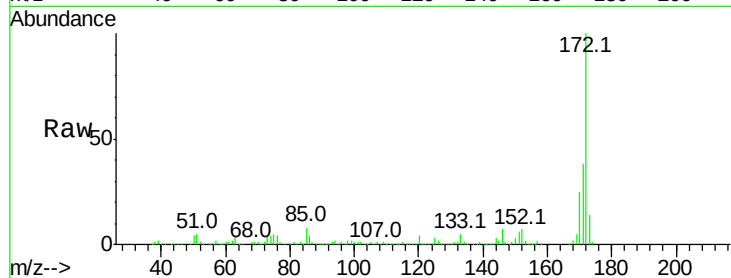




#47
2-Nitroaniline
Concen: 10.456 ng
RT: 14.17 min Scan# 1852
Delta R.T. -0.44 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

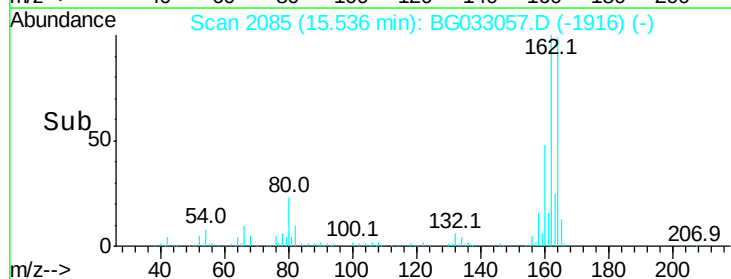
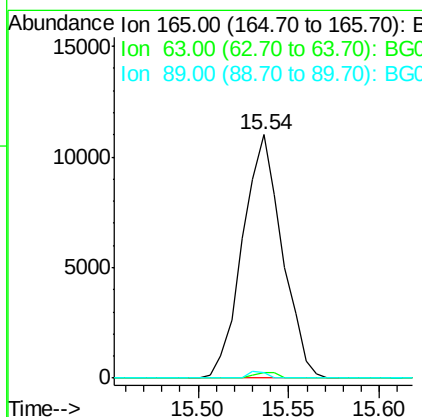
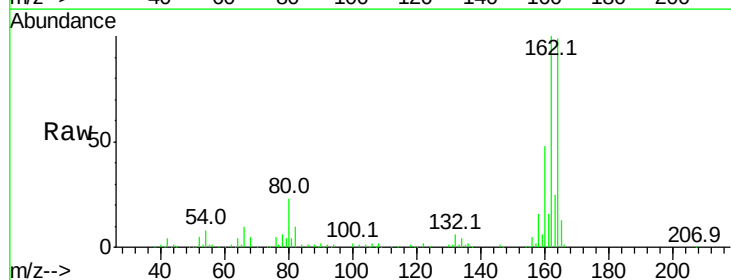
Instrument :
BNA_G
ClientSampled :

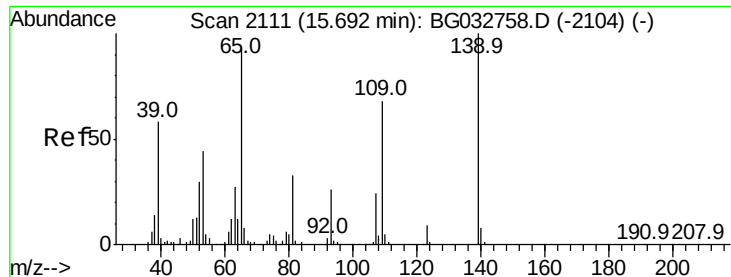
Tot Ion: 65 Resp: 1669
Ion Ratio Lower Upper
65 100
92 181.5 54.6 82.0#
138 39.6 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.336 ng
RT: 15.54 min Scan# 2085
Delta R.T. 0.46 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Tgt Ion:165 Resp: 16678
Ion Ratio Lower Upper
165 100
63 2.0 52.7 79.1#
89 2.1 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.819 ng

RT: 15.93 min Scan# 2152

Delta R.T. 0.25 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

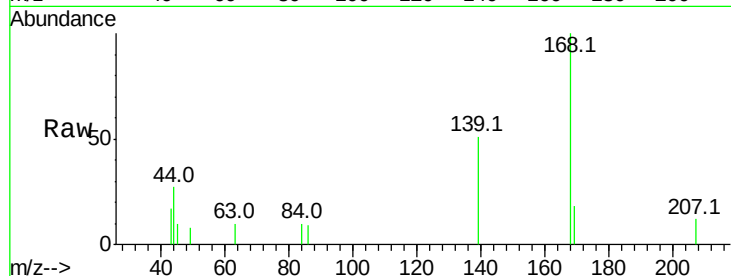
Tot Ion:139 Resp: 1465

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

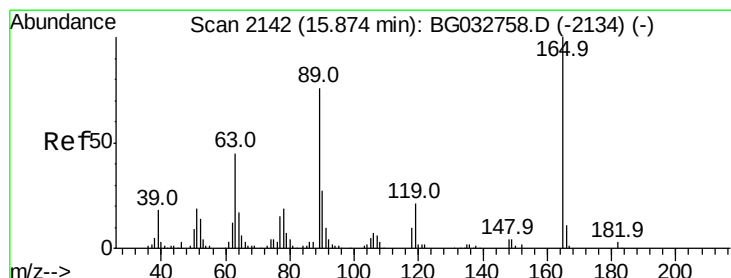
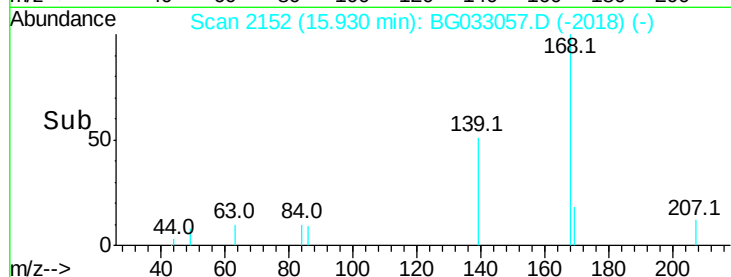
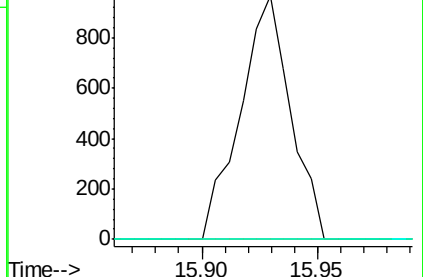
65 0.0 97.2 137.2#



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): BGC



#56

2,4-Dinitrotoluene

Concen: 14.533 ng

RT: 15.54 min Scan# 2085

Delta R.T. -0.31 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Tgt Ion:165 Resp: 16678

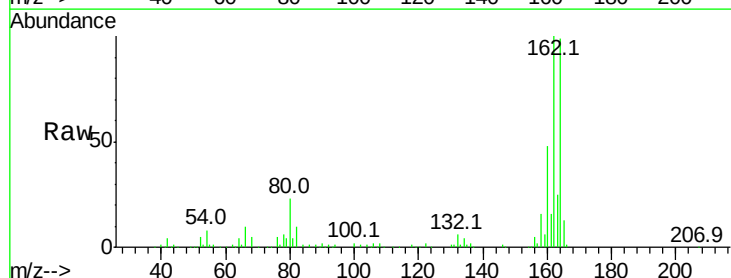
Ion Ratio Lower Upper

165 100

63 2.0 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#

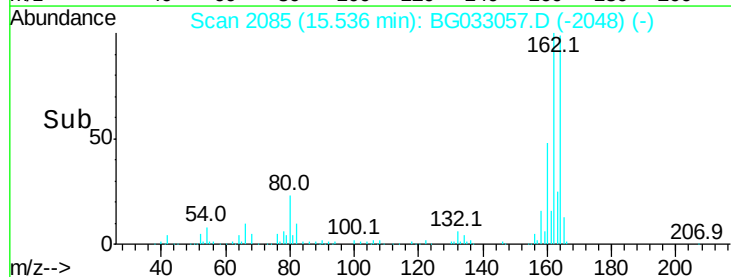
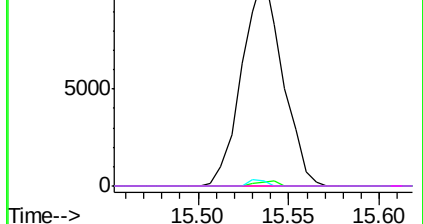


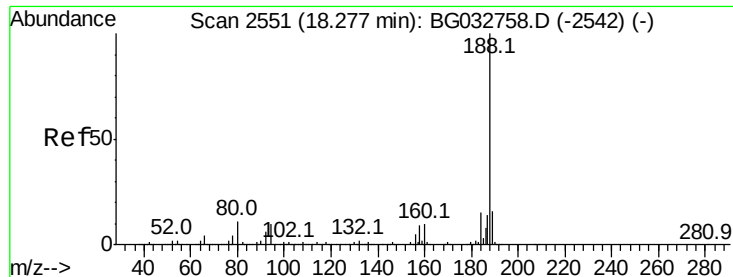
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

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. 0.01 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

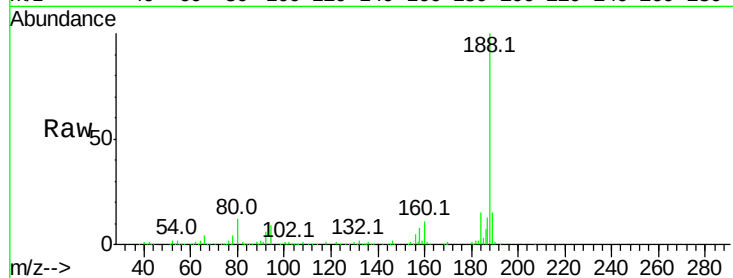
Tot Ion:188 Resp: 295200

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

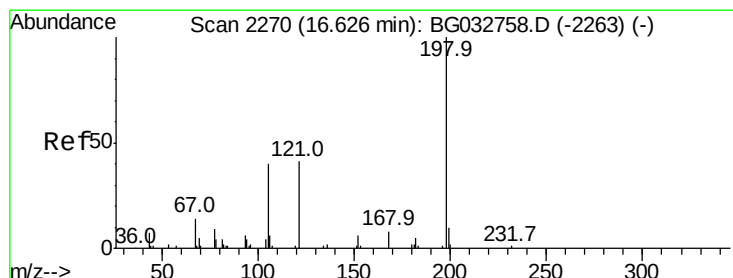
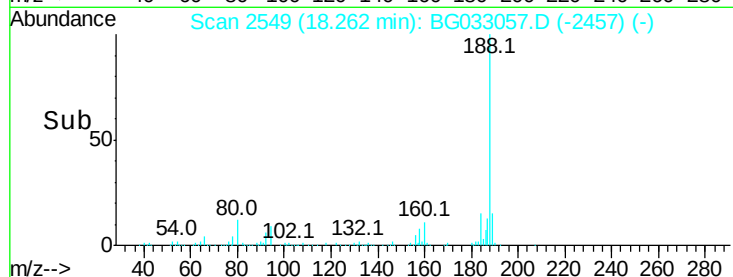
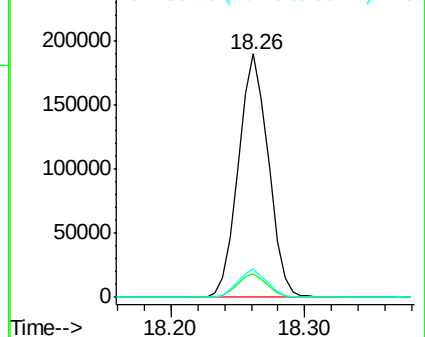
80 11.5 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.946 ng

RT: 17.01 min Scan# 2336

Delta R.T. 0.40 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

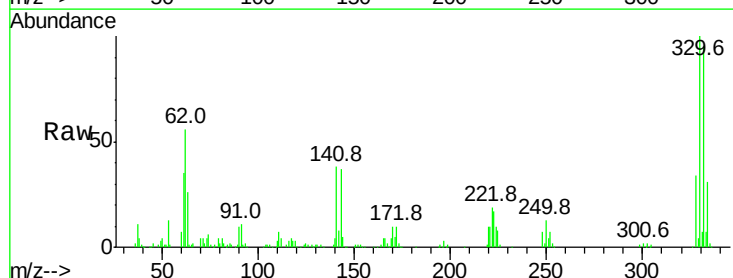
Tgt Ion:198 Resp: 694

Ion Ratio Lower Upper

198 100

51 122.1 30.6 70.6#

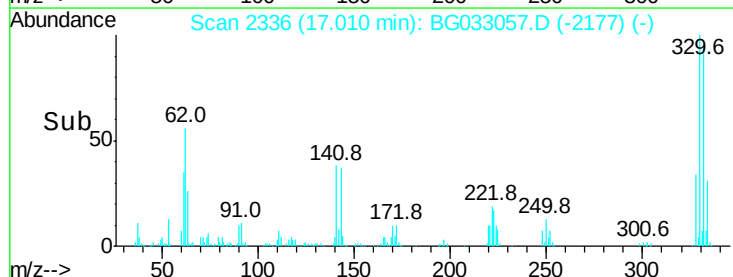
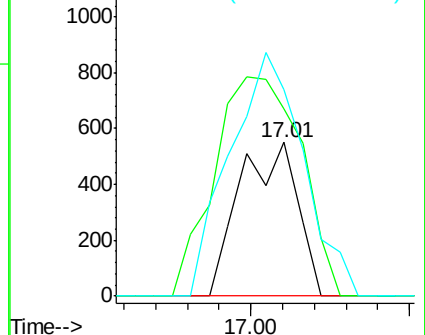
105 134.1 23.8 63.8#

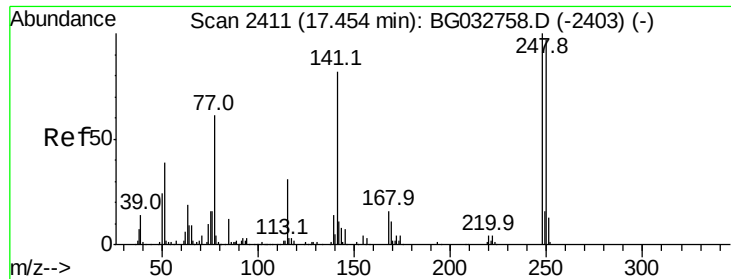


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

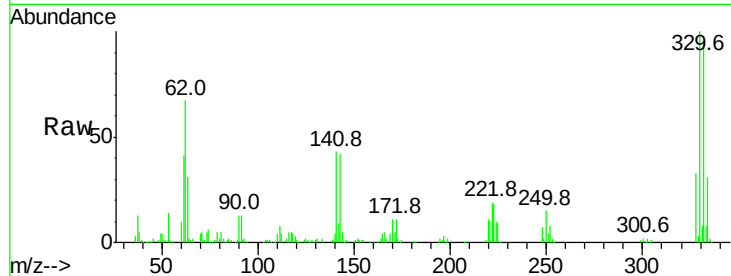




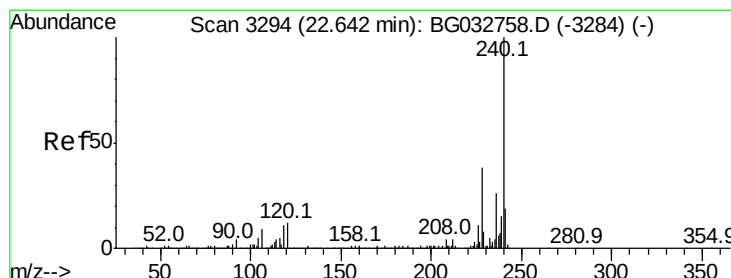
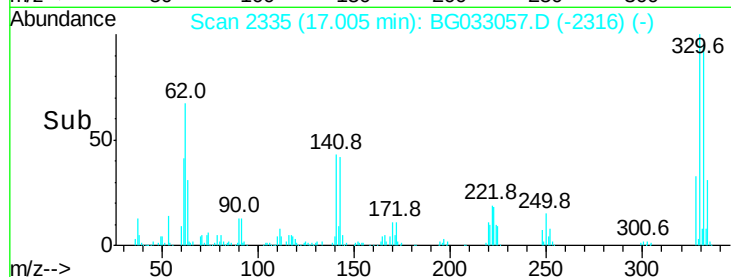
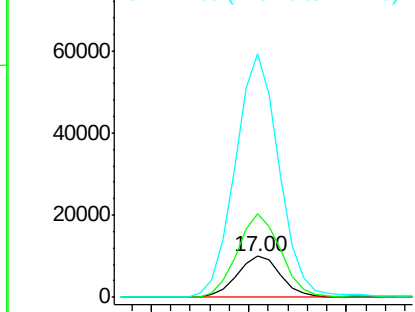
#66
4-Bromophenyl-phenylether
Concen: 4.995 ng
RT: 17.00 min Scan# 2335
Delta R.T. -0.42 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15591
Ion Ratio Lower Upper
248 100
250 203.8 77.1 115.7#
141 589.5 50.8 76.2#

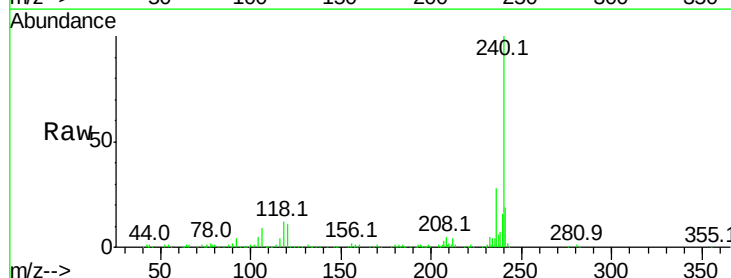


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

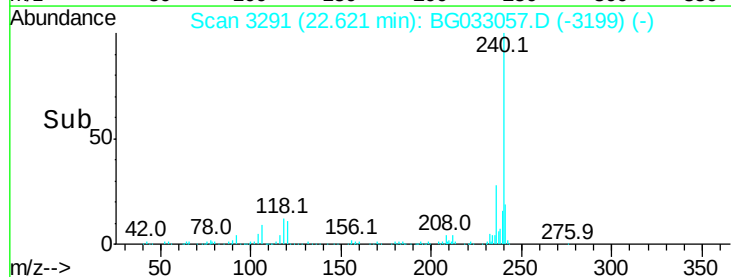
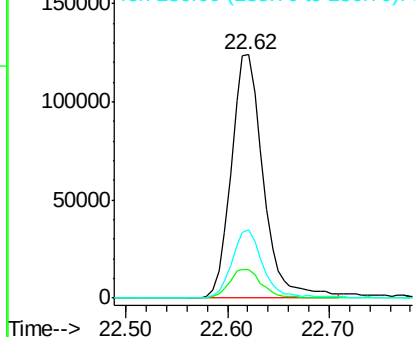


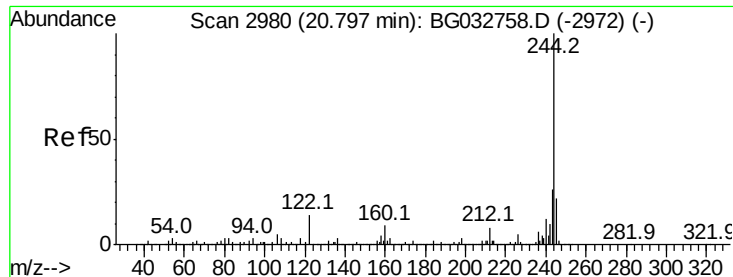
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.62 min Scan# 3291
Delta R.T. 0.01 min
Lab File: BG033057.D
Acq: 9 Mar 2018 2:17

Tgt Ion:240 Resp: 272336
Ion Ratio Lower Upper
240 100
120 11.5 6.8 10.2#
236 28.1 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





#78

Terphenyl-d14

Concen: 108.815 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Instrument :

BNA_G

ClientSampleId :

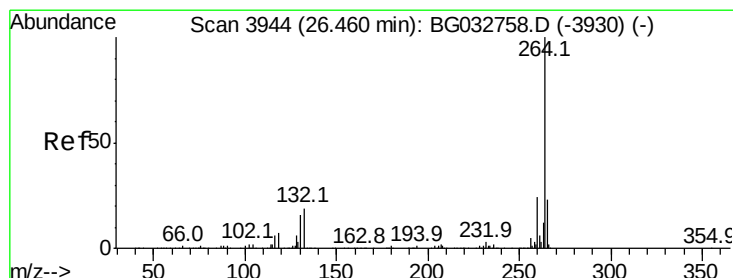
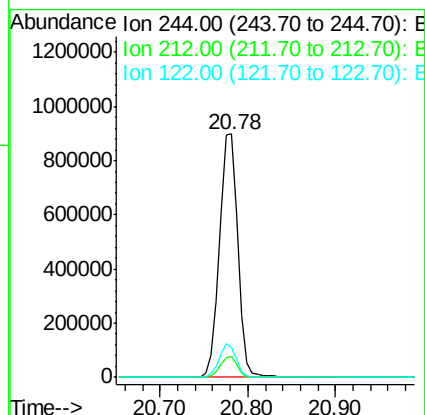
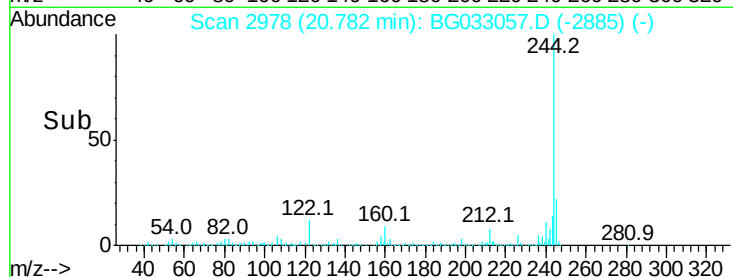
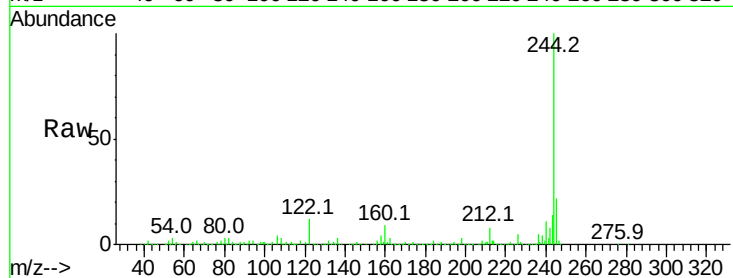
Tot Ion:244 Resp: 1318996

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

122 12.5 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.43 min Scan# 3939

Delta R.T. 0.02 min

Lab File: BG033057.D

Acq: 9 Mar 2018 2:17

Tgt Ion:264 Resp: 252681

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 20.8 17.7 26.5

