

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033126.D
 Acq On : 13 Mar 2018 19:35
 Operator : SJ/JU
 Sample : J1889-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 23:19:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	53948	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	216889	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	109962	20.00	ng	0.00
63) Phenanthrene-d10	18.30	188	211782	20.00	ng	0.04
75) Chrysene-d12	22.64	240	235927	20.00	ng	0.03
86) Perylene-d12	26.45	264	240298	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	67878	20.13	ng	0.00
7) Phenol-d6	8.03	99	11761	2.50	ng	0.03
23) Nitrobenzene-d5	10.12	82	278743	88.70	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	67961	58.78	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	576338	75.59	ng	0.00
78) Terphenyl-d14	20.77	244	760565	72.43	ng	0.00

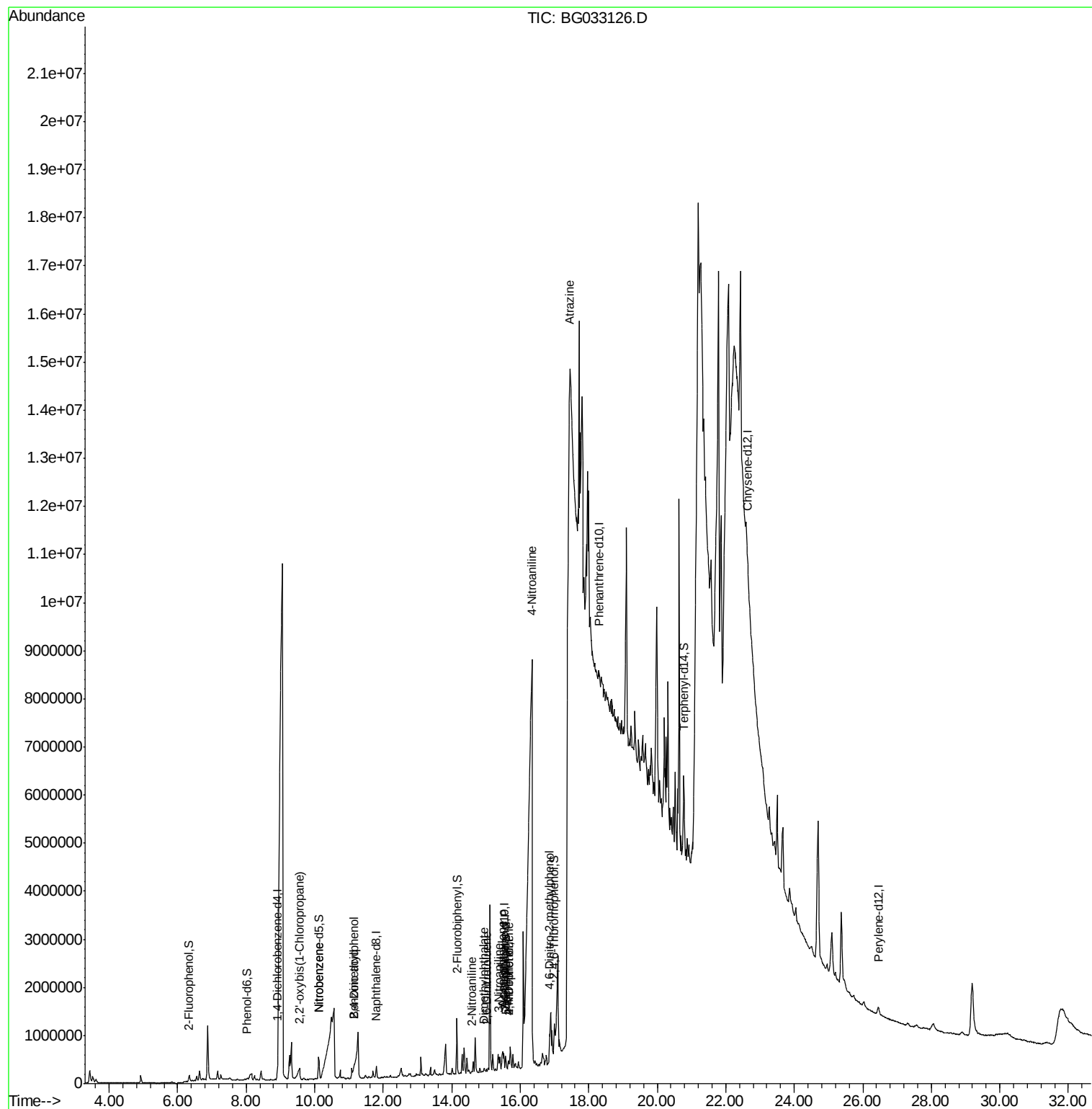
Target Compounds				Qvalue		
16) 2,2'-oxybis(1-Chloropropan	9.56	45	41834	6.281	ng	81
24) Nitrobenzene	10.12	77	1390	6.729	ng	# 28
27) 2,4-Dimethylphenol	11.15	122	161304	48.776	ng	# 2
32) Benzoic acid	11.15	122	161304	66.874	ng	90
47) 2-Nitroaniline	14.59	65	334	9.982	ng	# 9
48) Acenaphthylene	15.47	152	30045	2.557	ng	# 52
49) Dimethylphthalate	14.95	163	44203	4.734	ng	99
50) 2,6-Dinitrotoluene	15.02	165	2492	10.212	ng	# 30
52) 3-Nitroaniline	15.38	138	398	7.719	ng	# 1
53) 2,4-Dinitrophenol	15.57	184	823	5.769	ng	# 37
54) Dibenzofuran	15.59	168	53496	5.133	ng	# 62
55) 4-Nitrophenol	15.66	139	2014	8.281	ng	# 45
56) 2,4-Dinitrotoluene	15.65	165	2699	8.318	ng	# 42
61) 4-Nitroaniline	16.34	138	267242	122.916	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.85	198	170	5.290	ng	# 1
68) Atrazine	17.45	200	14909	6.574	ng	76

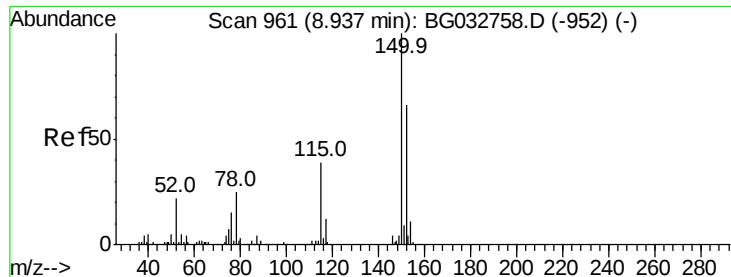
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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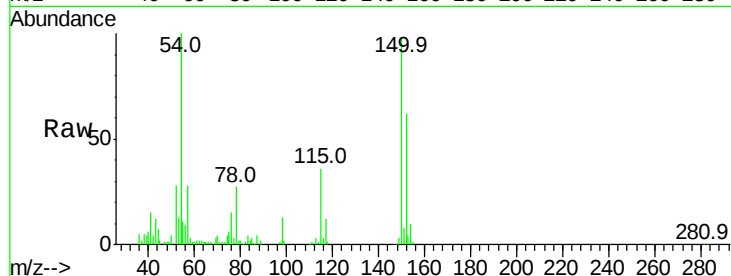


#1

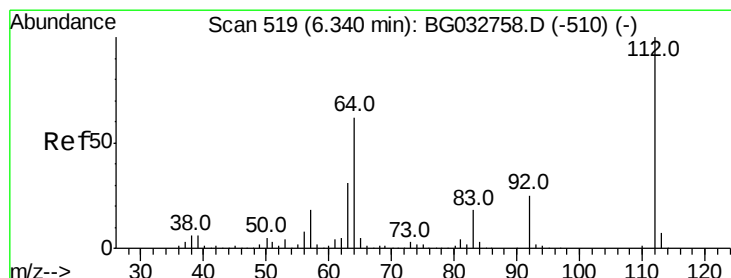
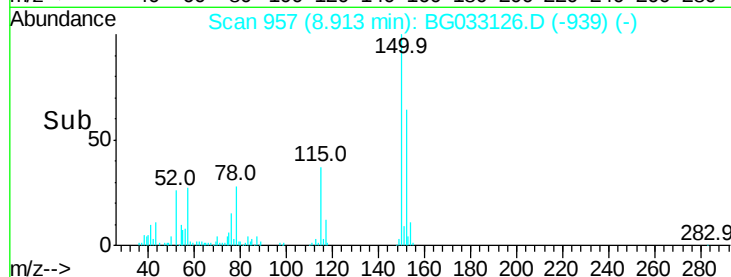
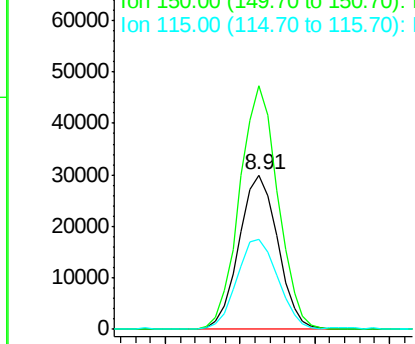
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53948
Ion Ratio Lower Upper
152 100
150 157.5 126.6 189.8
115 58.3 53.0 79.4



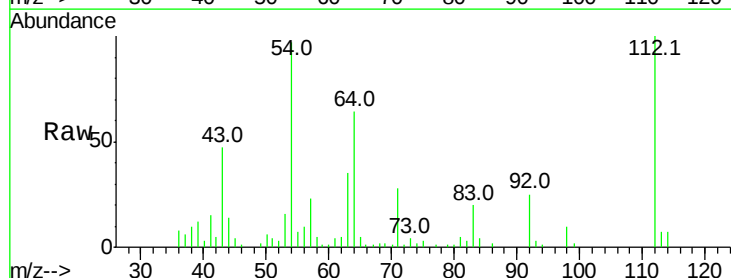
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



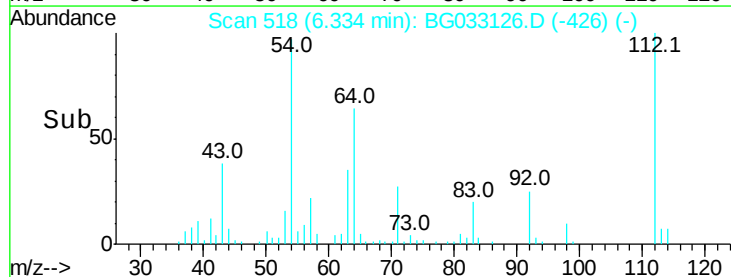
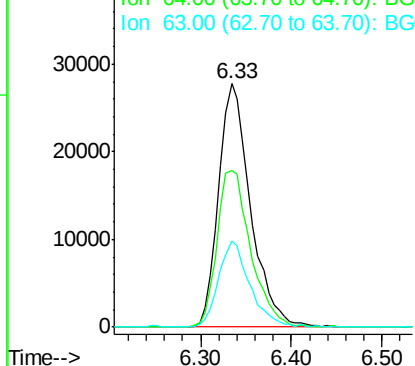
#5

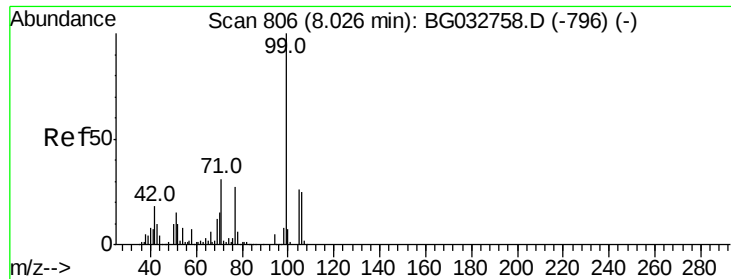
2-Fluorophenol
Concen: 20.130 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Tgt Ion:112 Resp: 67878
Ion Ratio Lower Upper
112 100
64 64.1 56.3 84.5
63 35.4 30.1 45.1



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





#7

Phenol-d6

Concen: 2.502 ng

RT: 8.03 min Scan# 807

Delta R.T. 0.03 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

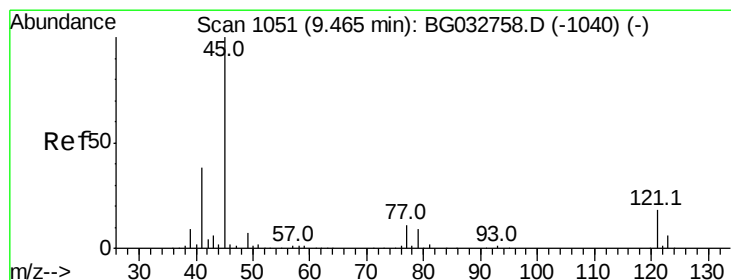
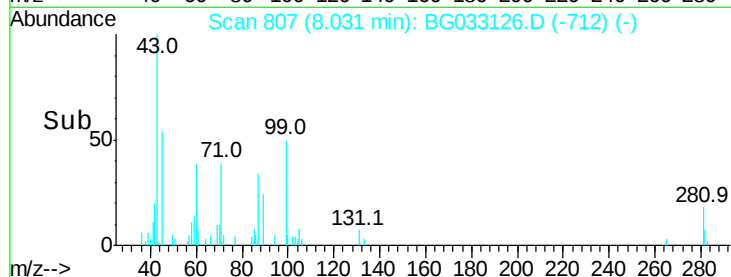
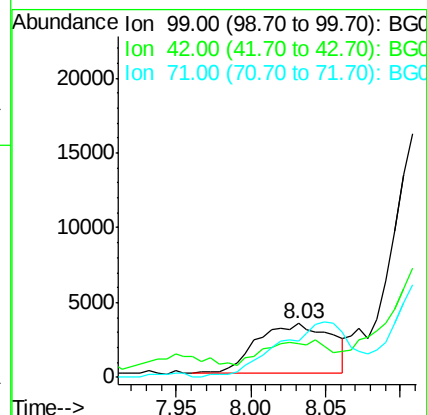
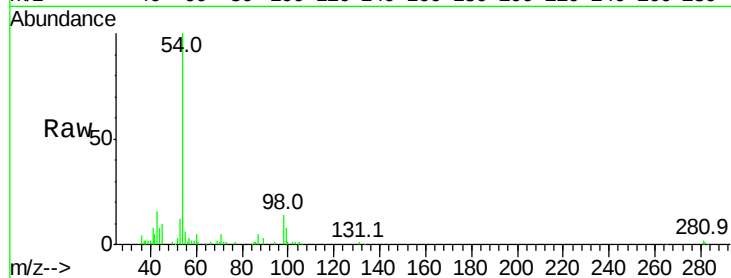
Tot Ion: 99 Resp: 11761

Ion Ratio Lower Upper

99 100

42 62.0 14.1 21.1#

71 66.9 26.1 39.1#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.281 ng

RT: 9.56 min Scan# 1067

Delta R.T. 0.12 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

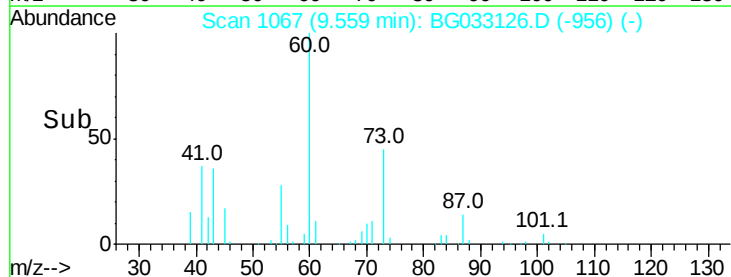
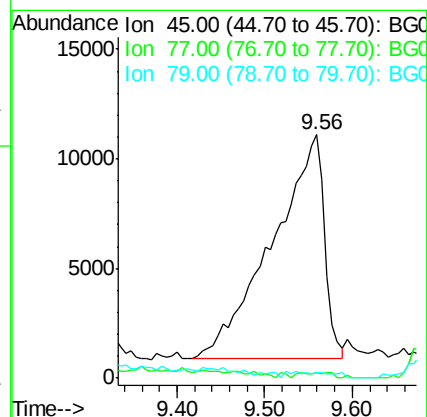
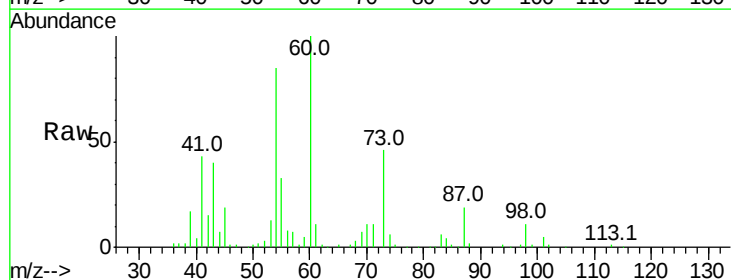
Tgt Ion: 45 Resp: 41834

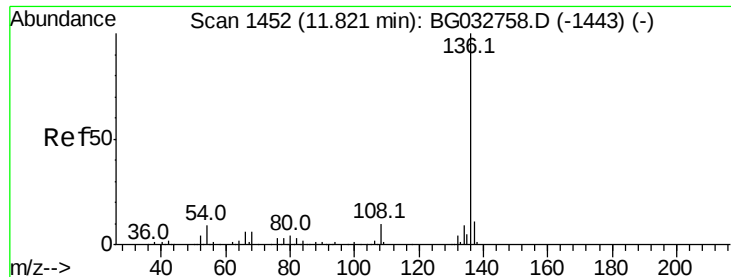
Ion Ratio Lower Upper

45 100

77 2.2 0.0 30.2

79 2.2 0.0 27.9

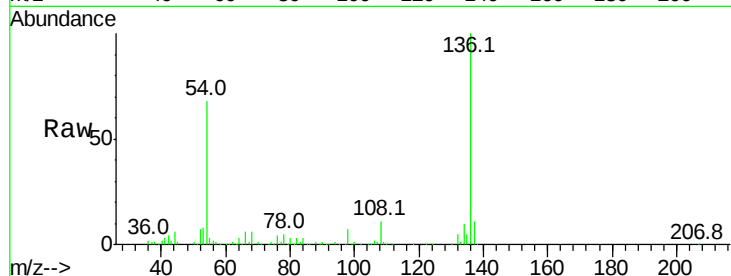




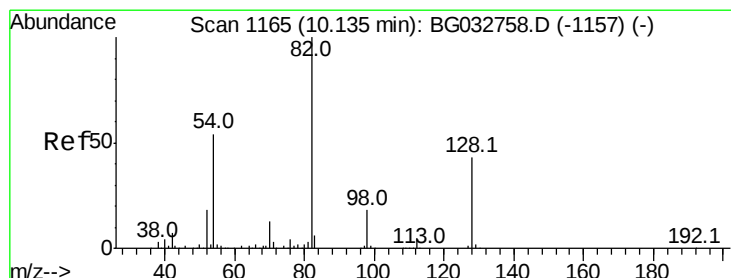
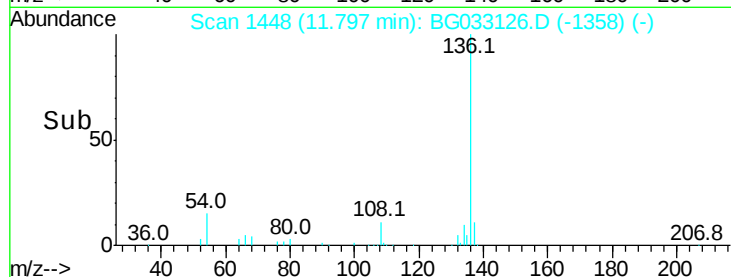
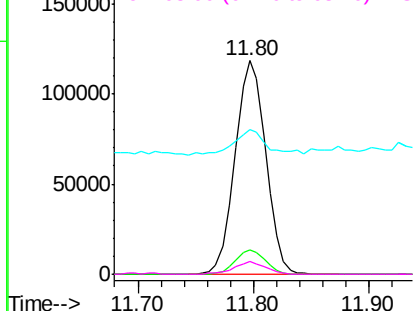
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	216889
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.2 13.8
54	67.9	10.3 15.5#
68	6.0	4.5 6.7

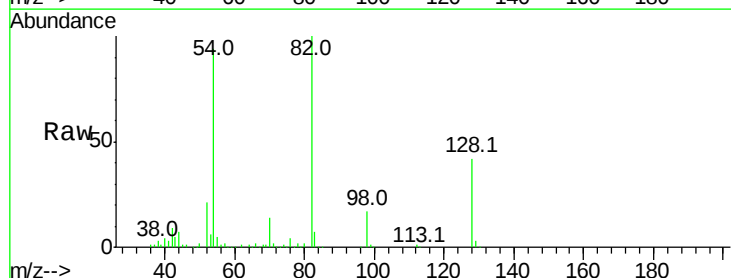


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

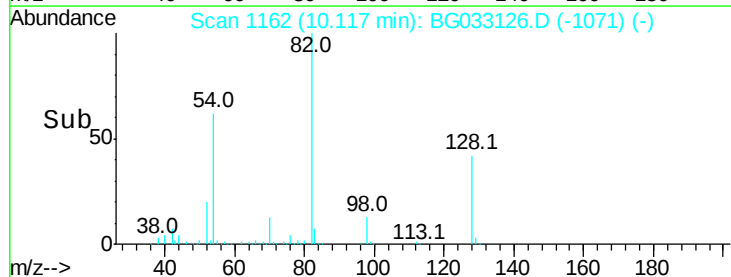
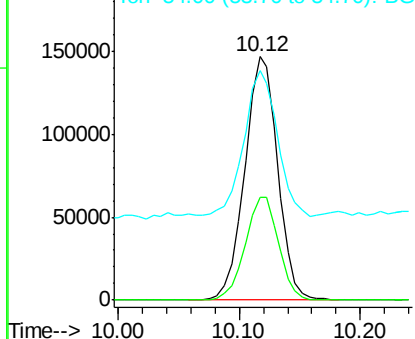


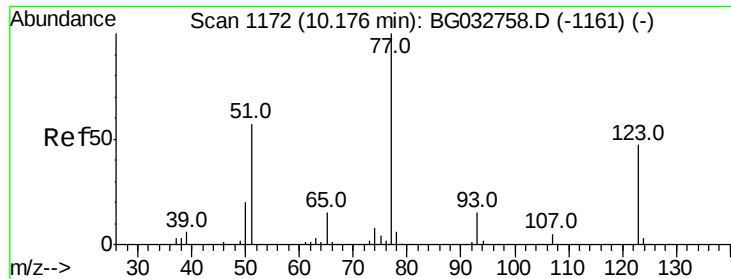
#23
Nitrobenzene-d5
Concen: 88.698 ng
RT: 10.12 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Tgt Ion: 82	Resp:	278743
Ion	Ratio	Lower Upper
82	100	
128	42.0	29.7 44.5
54	94.1	43.1 64.7#



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





#24

Nitrobenzene

Concen: 6.729 ng

RT: 10.12 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

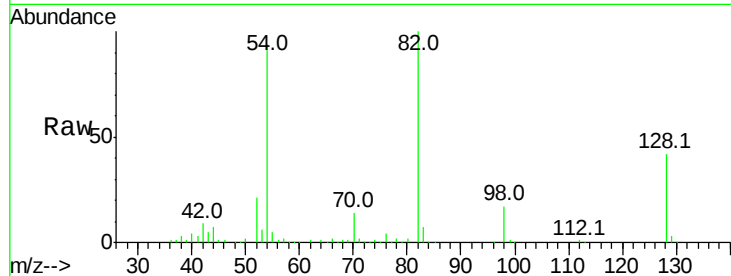
Tot Ion: 77 Resp: 1390

Ion Ratio Lower Upper

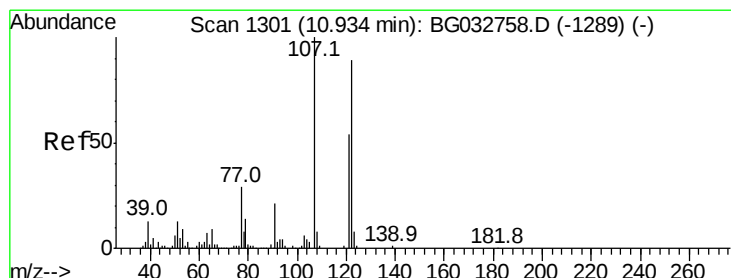
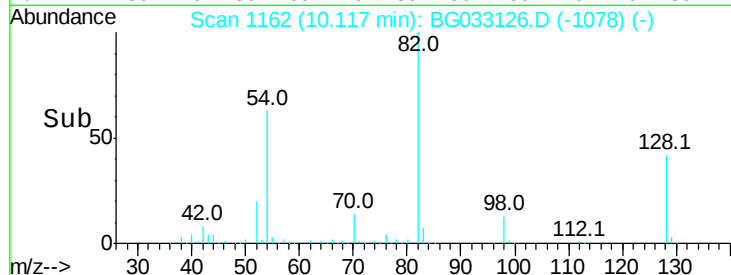
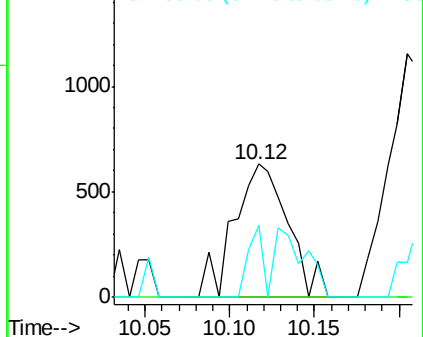
77 100

123 0.0 33.0 49.6#

65 54.3 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



#27

2,4-Dimethylphenol

Concen: 48.776 ng

RT: 11.15 min Scan# 1338

Delta R.T. 0.24 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

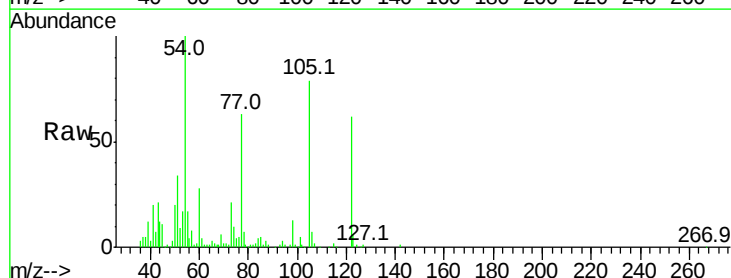
Tgt Ion:122 Resp: 161304

Ion Ratio Lower Upper

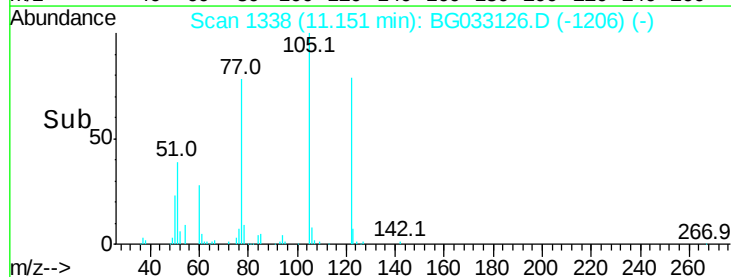
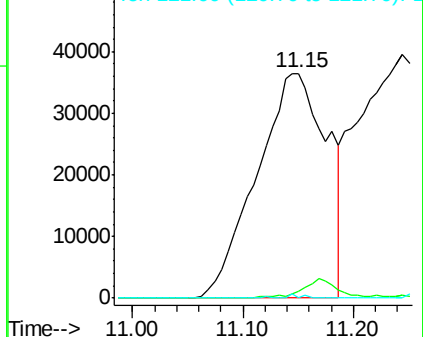
122 100

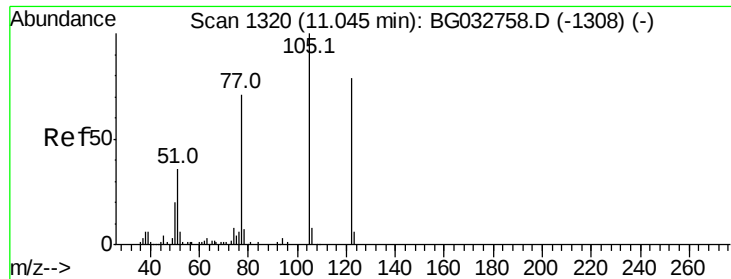
107 3.0 100.2 150.2#

121 0.0 44.4 66.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

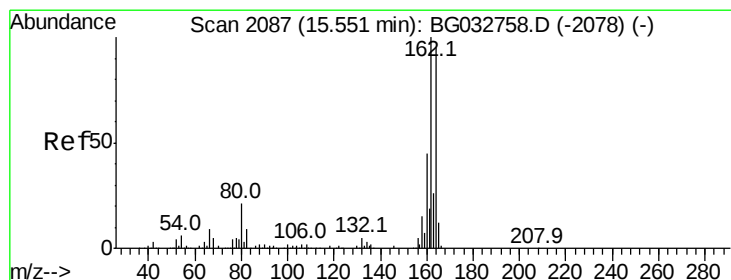
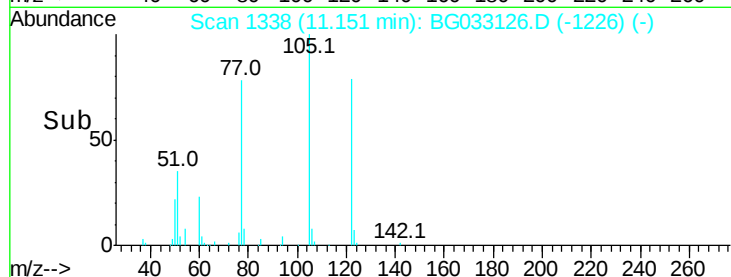
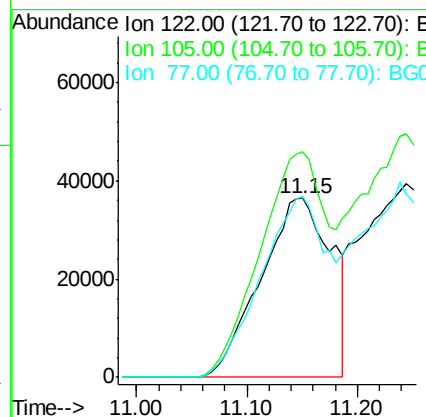
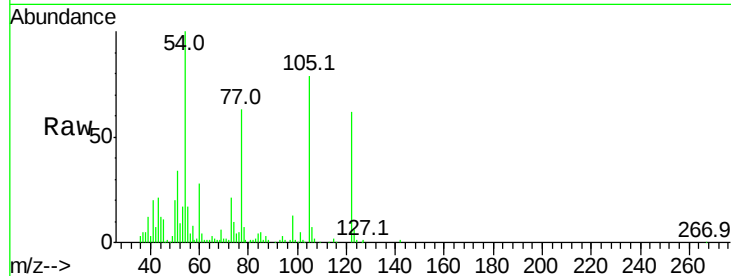




#32
Benzoic acid
Concen: 66.874 ng
RT: 11.15 min Scan# 1338
Delta R.T. 0.13 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

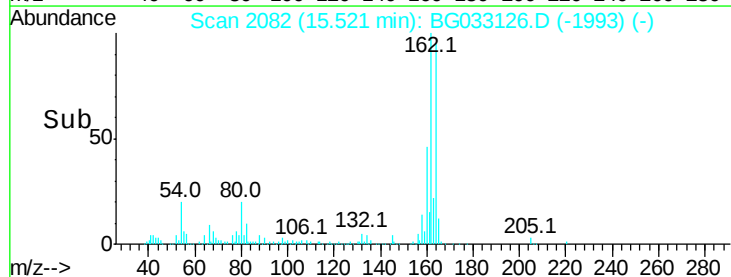
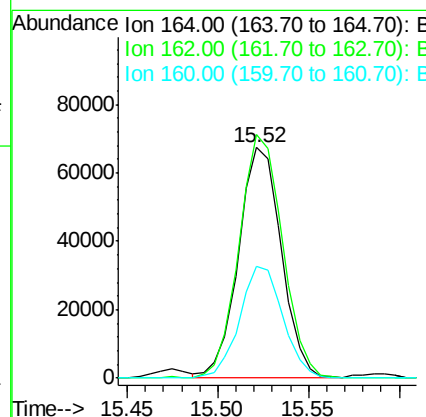
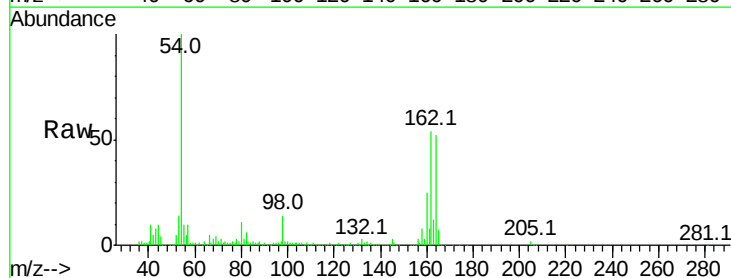
Instrument :
BNA_G
ClientSampleId :

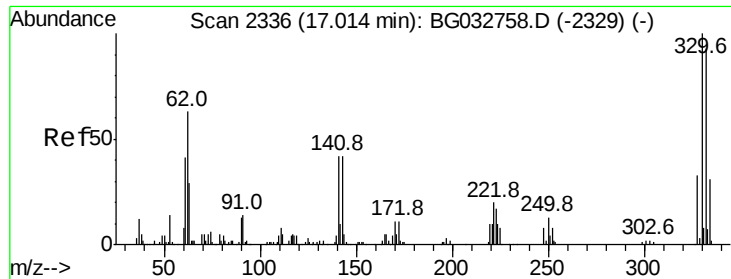
Tot Ion:122 Resp: 161304
Ion Ratio Lower Upper
122 100
105 126.2 123.5 163.5
77 101.0 85.7 125.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Tgt Ion:164 Resp: 109962
Ion Ratio Lower Upper
164 100
162 105.6 78.8 118.2
160 48.6 35.4 53.0

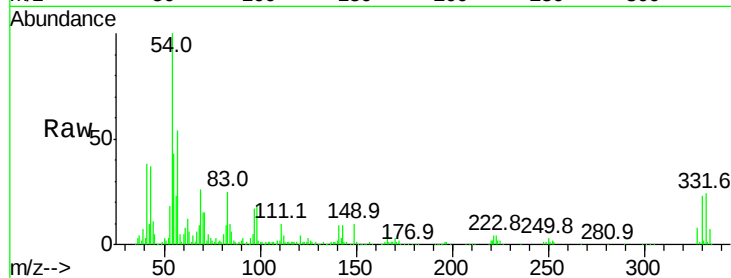




#41
 2,4,6-Tribromophenol
 Concen: 58.779 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	330	332	141	Ratio	Lower	Upper
330	100					
332	95.4	77.0	115.6			
141	34.5	25.2	37.8			

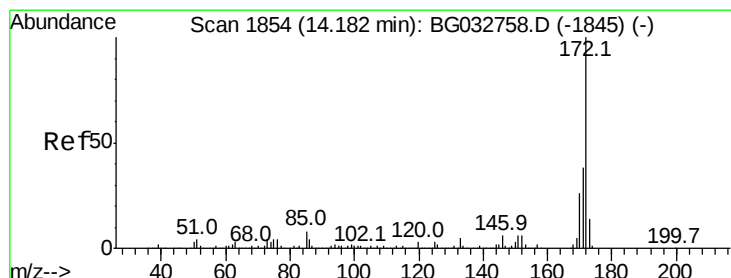
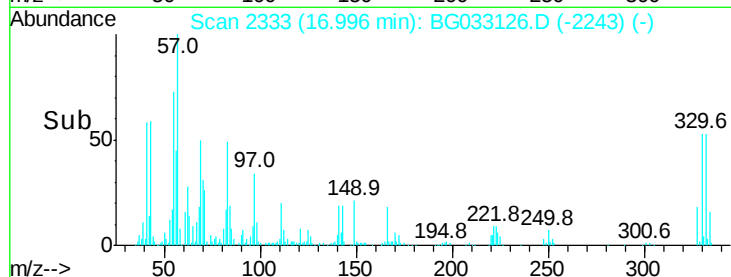
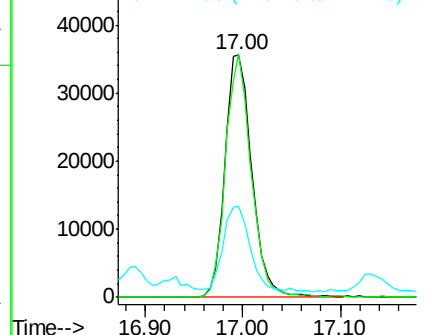


Abundance

Ion 329.80 (329.50 to 330.50): E

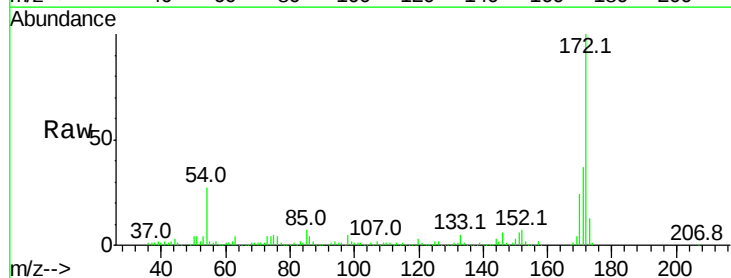
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 75.592 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

Tgt Ion	172	171	170	Ratio	Lower	Upper
172	100					
171	37.0	30.0	45.0			
170	24.3	19.5	29.3			

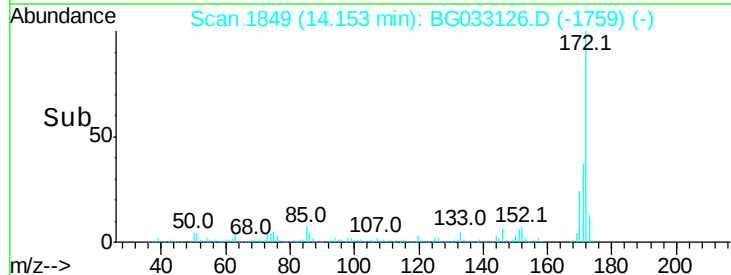
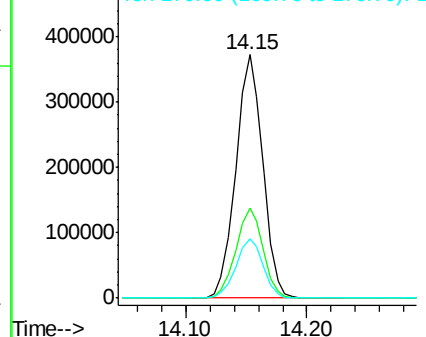


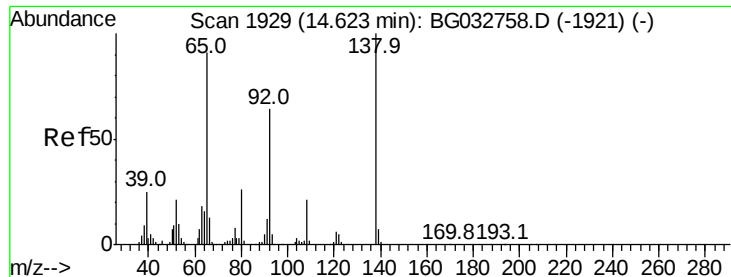
Abundance

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: 9.982 ng

RT: 14.59 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

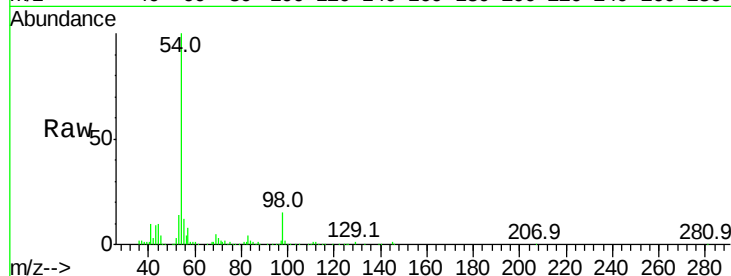
Tot Ion: 65 Resp: 334

Ion Ratio Lower Upper

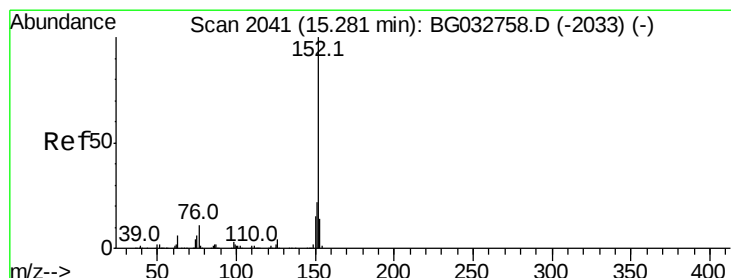
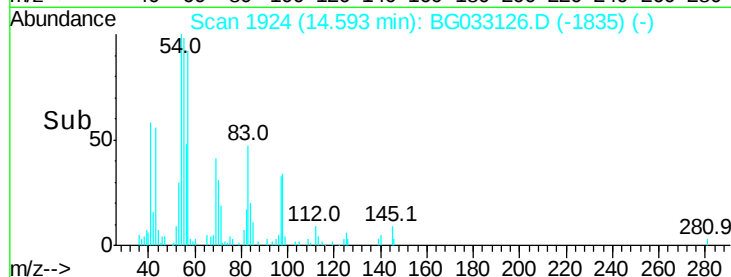
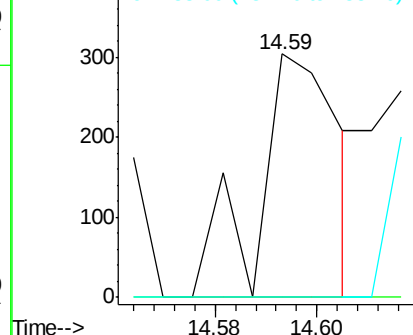
65 100

92 0.0 54.6 82.0#

138 0.0 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 2.557 ng

RT: 15.47 min Scan# 2074

Delta R.T. 0.21 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

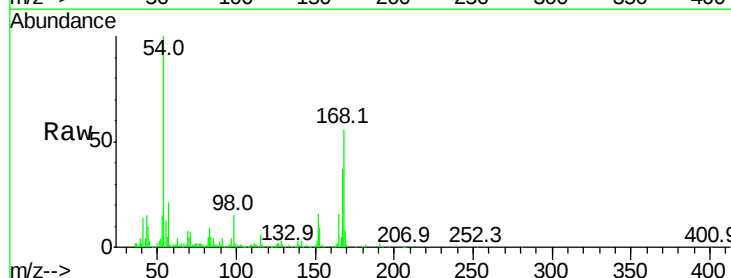
Tgt Ion: 152 Resp: 30045

Ion Ratio Lower Upper

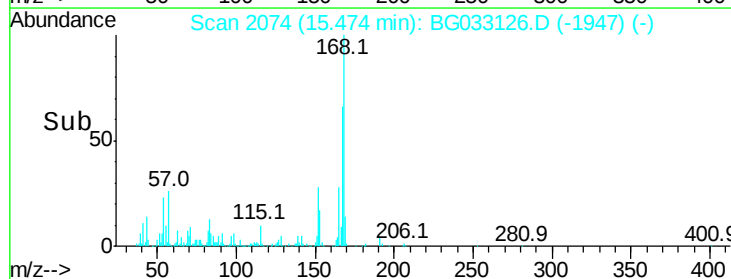
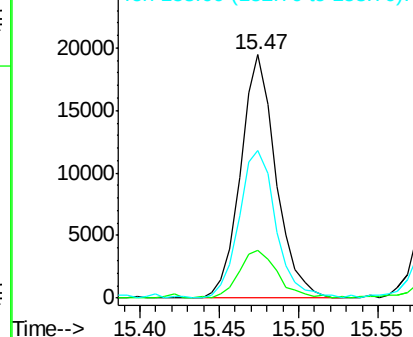
152 100

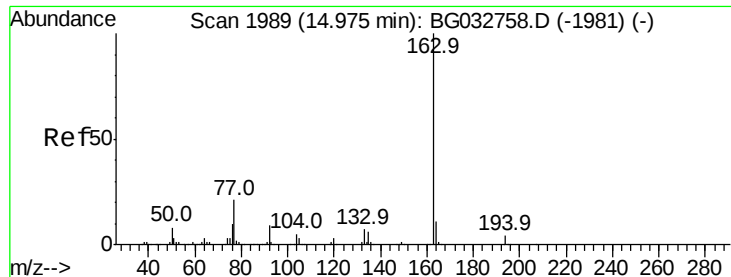
151 19.6 17.2 25.8

153 60.7 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC

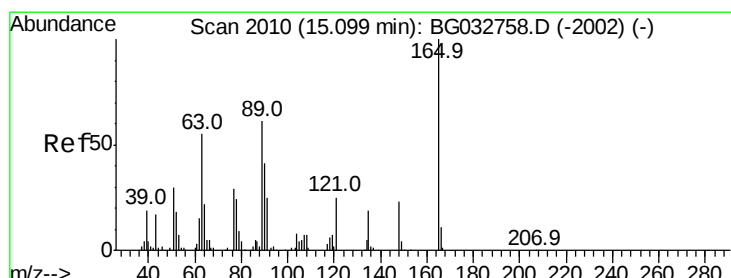
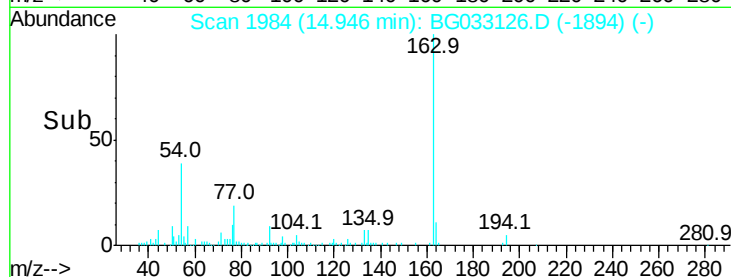
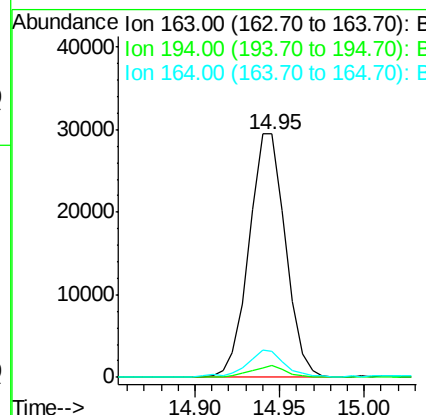
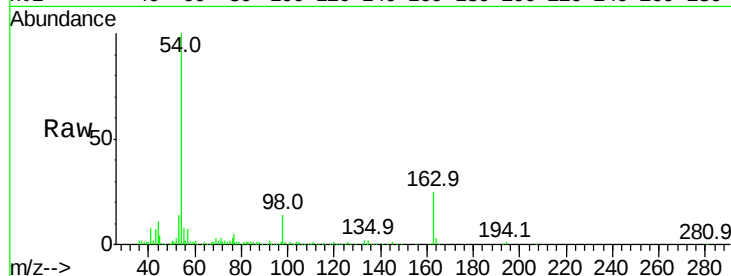




#49
Dimethylphthalate
Concen: 4.734 ng
RT: 14.95 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

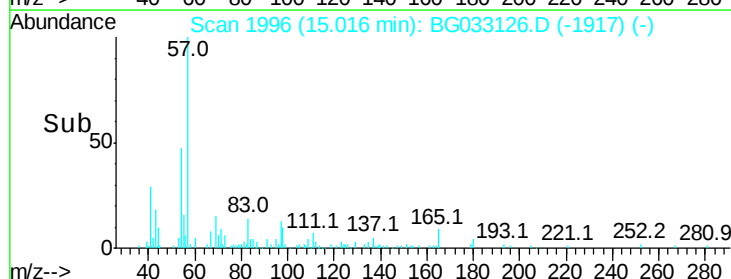
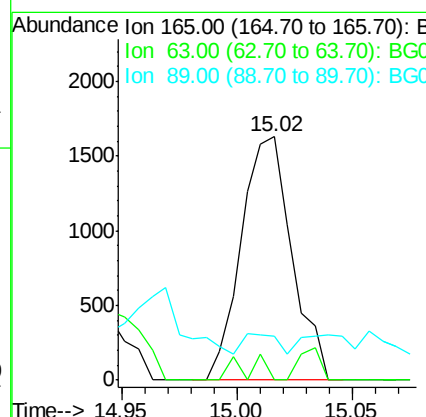
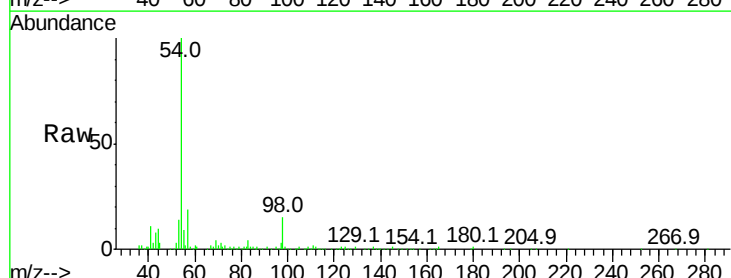
Instrument :
BNA_G
ClientSampleId :

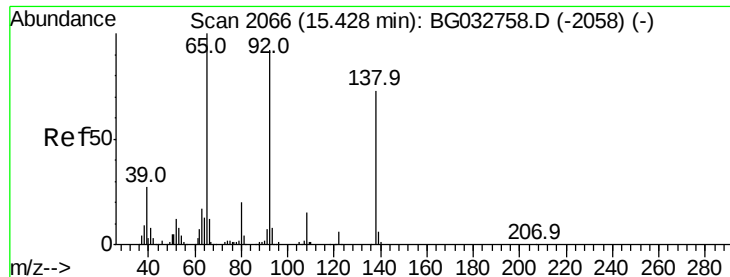
Tot Ion:163 Resp: 44203
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 10.7 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 10.212 ng
RT: 15.02 min Scan# 1996
Delta R.T. -0.07 min
Lab File: BG033126.D
Acq: 13 Mar 2018 19:35

Tgt Ion:165 Resp: 2492
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 17.8 49.2 73.8#





#52

3-Nitroaniline

Concen: 7.719 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.03 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

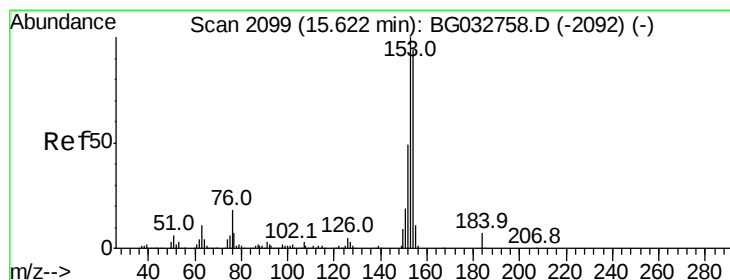
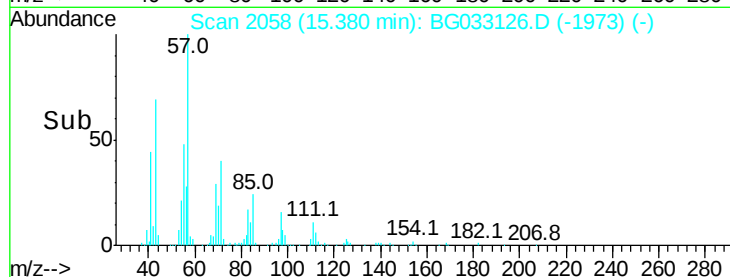
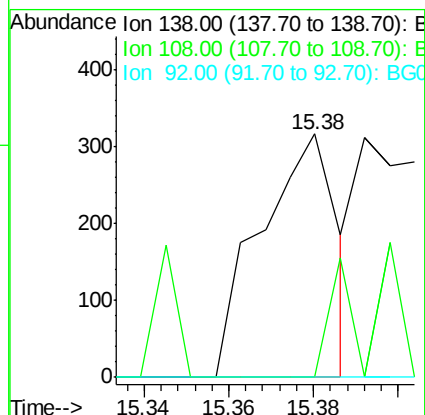
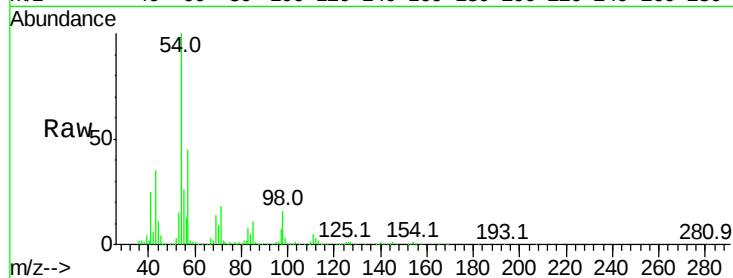
Tot Ion:138 Resp: 398

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

92 0.0 105.8 158.8#



#53

2,4-Dinitrophenol

Concen: 5.769 ng

RT: 15.57 min Scan# 2090

Delta R.T. -0.04 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

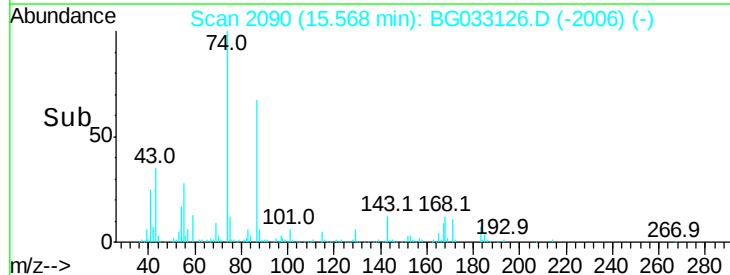
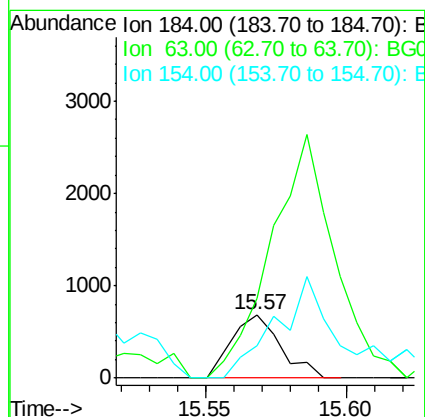
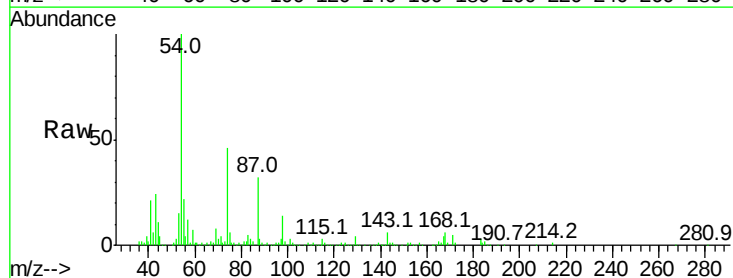
Tgt Ion:184 Resp: 823

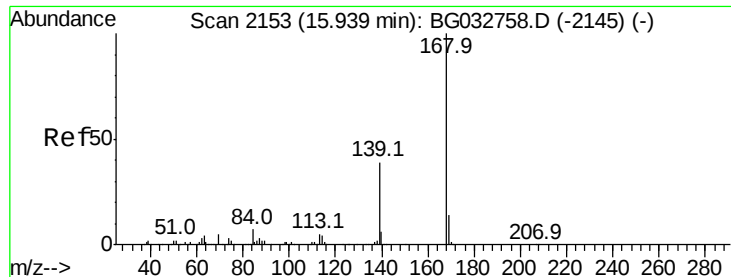
Ion Ratio Lower Upper

184 100

63 125.3 59.8 89.8#

154 51.5 101.8 152.8#





#54

Dibenzofuran

Concen: 5.133 ng

RT: 15.59 min Scan# 2093

Delta R.T. -0.33 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampled :

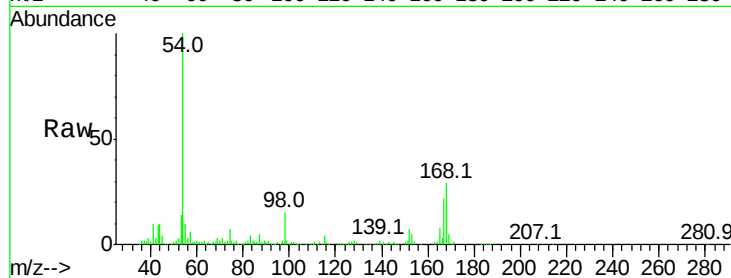
Tot Ion:168 Resp: 53496

Ion Ratio Lower Upper

168 100

139 6.1 28.6 43.0#

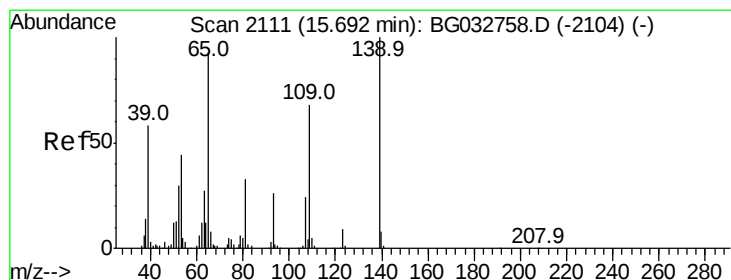
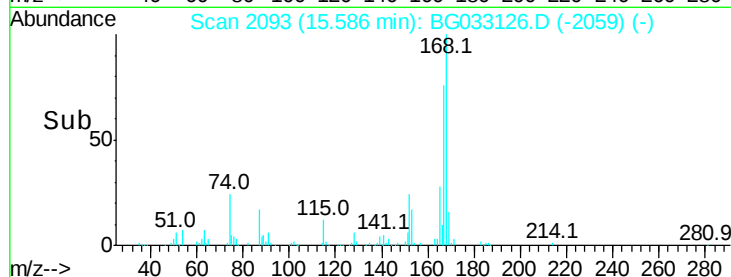
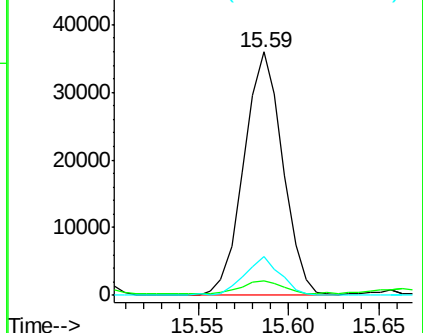
169 15.9 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 8.281 ng

RT: 15.66 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

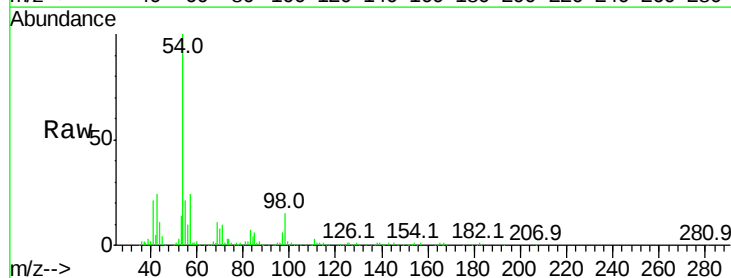
Tgt Ion:139 Resp: 2014

Ion Ratio Lower Upper

139 100

109 43.3 62.2 102.2#

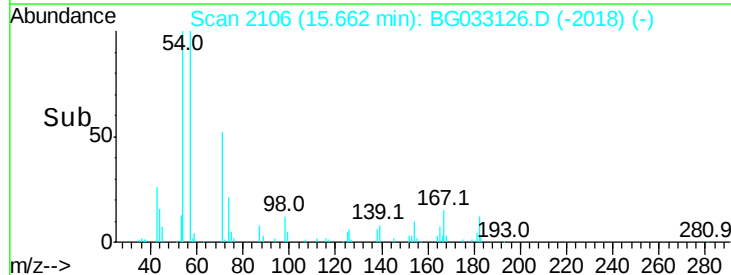
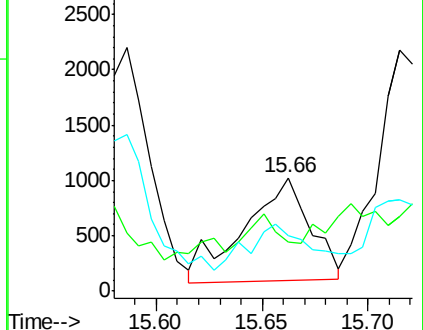
65 48.5 97.2 137.2#

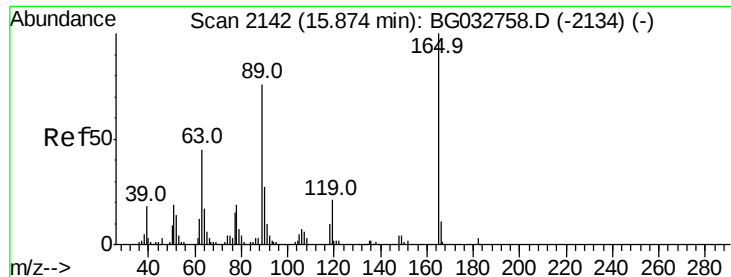


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 8.318 ng

RT: 15.65 min Scan# 2104

Delta R.T. -0.21 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 2699

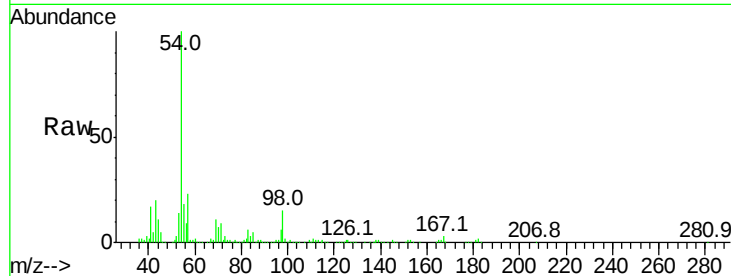
Ion Ratio Lower Upper

165 100

63 28.4 42.0 63.0#

89 29.3 66.9 100.3#

182 127.6 2.6 3.8#

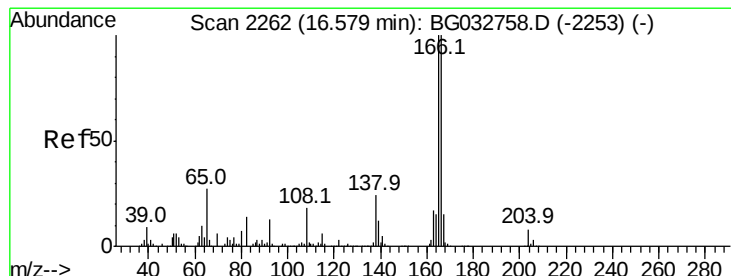
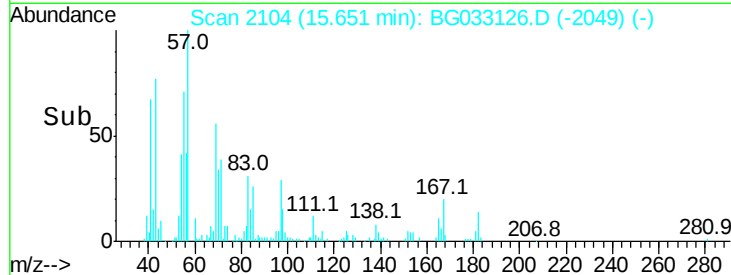
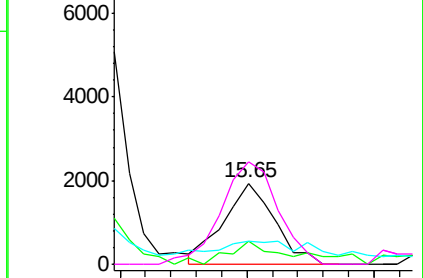


Abundance Ion 165.00 (164.70 to 165.70): E

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



#61

4-Nitroaniline

Concen: 122.916 ng

RT: 16.34 min Scan# 2221

Delta R.T. -0.23 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

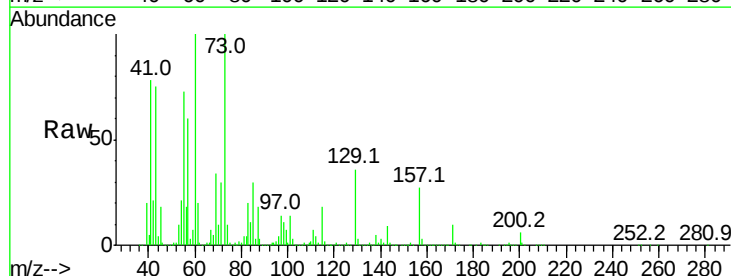
Tgt Ion:138 Resp: 267242

Ion Ratio Lower Upper

138 100

92 2.2 40.1 80.1#

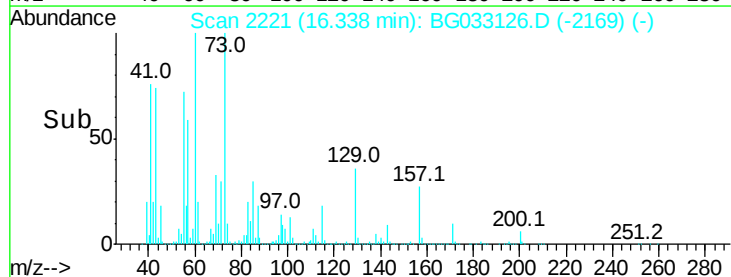
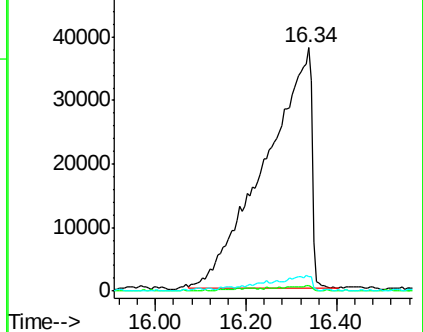
108 5.8 65.4 105.4#

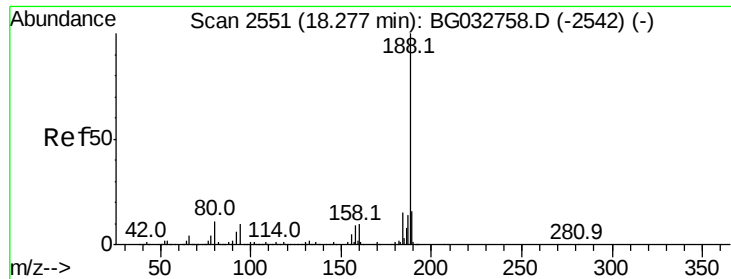


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.30 min Scan# 2555

Delta R.T. 0.04 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

Instrument :

BNA_G

ClientSampleId :

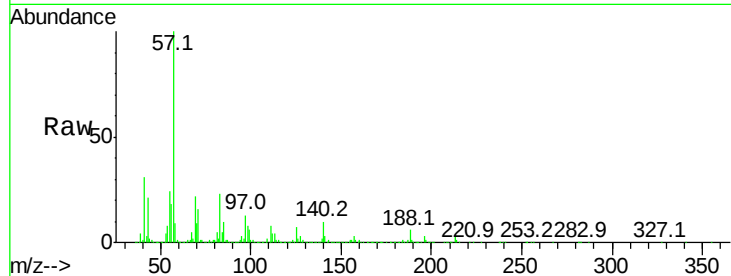
Tot Ion:188 Resp: 211782

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

80 14.6 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

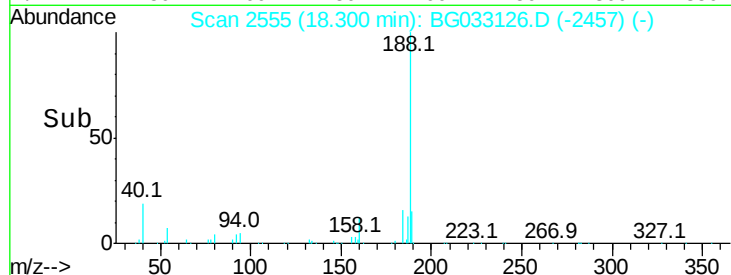
150000

100000

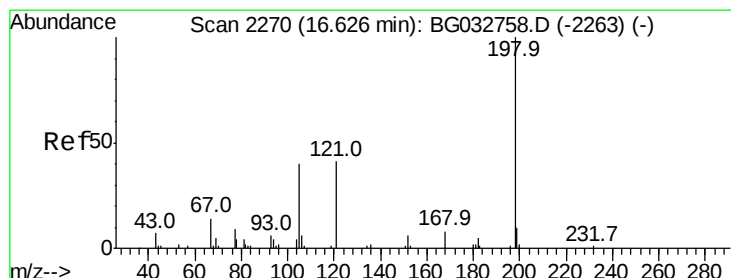
50000

0

18.20 18.30 18.40



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.290 ng

RT: 16.85 min Scan# 2309

Delta R.T. 0.24 min

Lab File: BG033126.D

Acq: 13 Mar 2018 19:35

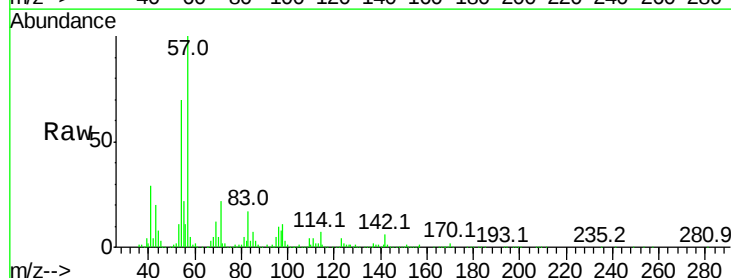
Tgt Ion:198 Resp: 170

Ion Ratio Lower Upper

198 100

51 673.8 30.6 70.6#

105 645.3 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

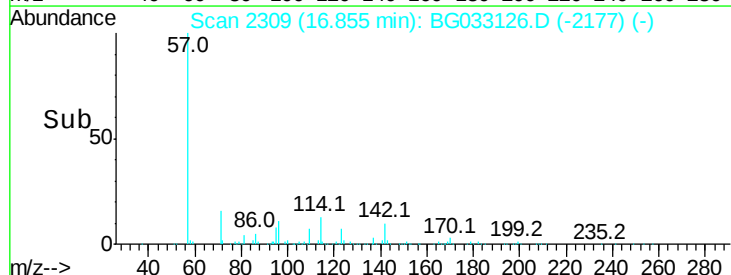
1500

1000

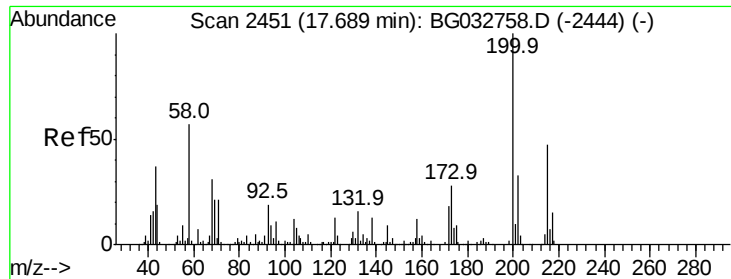
500

0

16.82 16.84 16.86



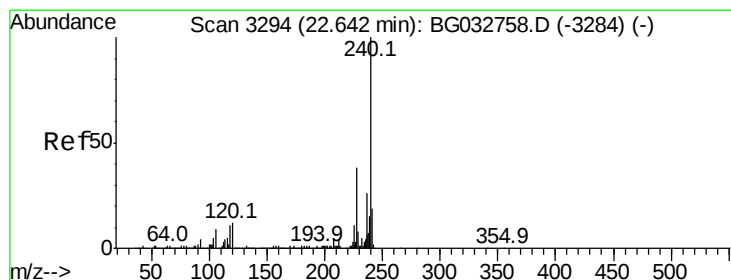
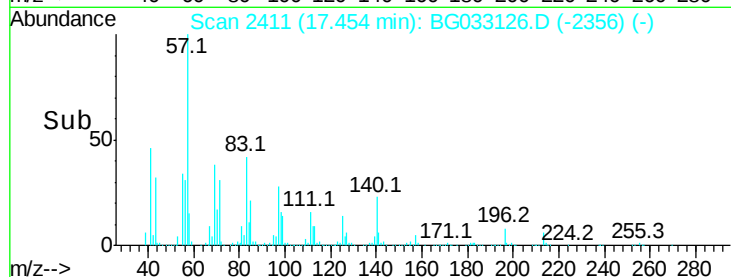
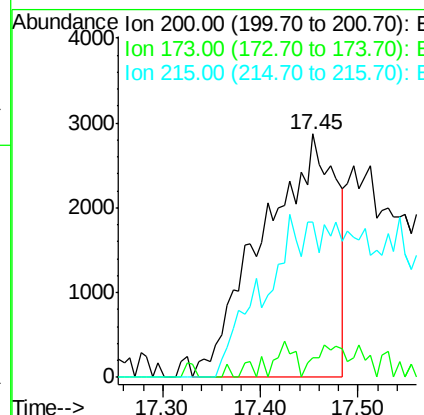
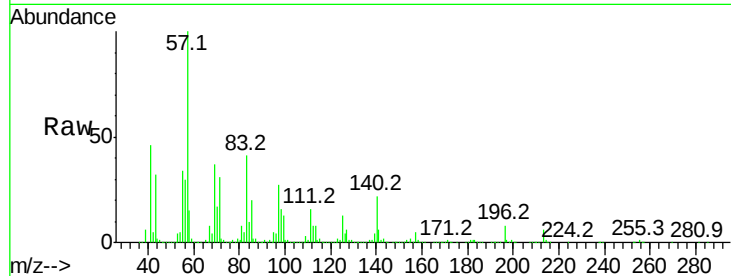
Time-->



#68
 Atrazine
 Concen: 6.574 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.21 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

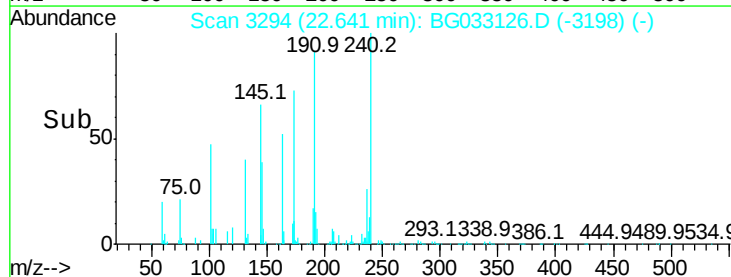
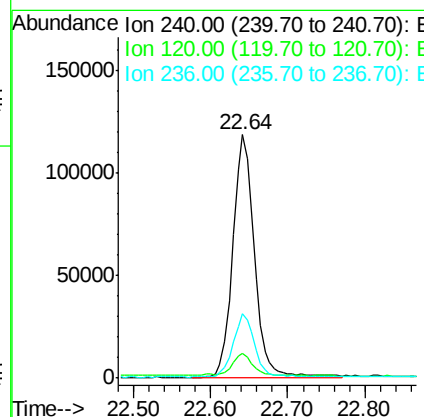
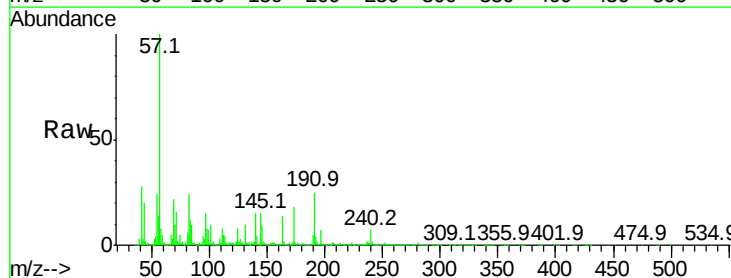
Instrument :
 BNA_G
 ClientSampleId :

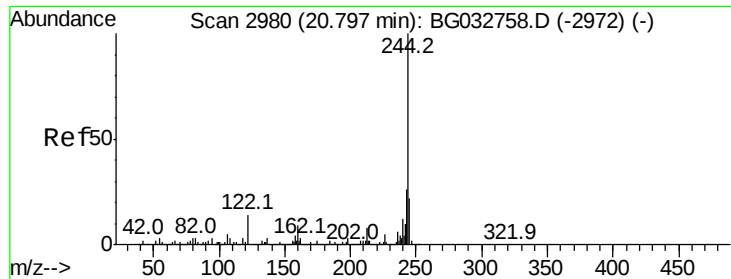
Tot Ion	Ratio	Lower	Upper
200	100		
173	8.3	5.2	45.2
215	63.6	30.4	70.4



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.64 min Scan# 3294
 Delta R.T. 0.03 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	6.8	10.2
236	26.5	20.9	31.3



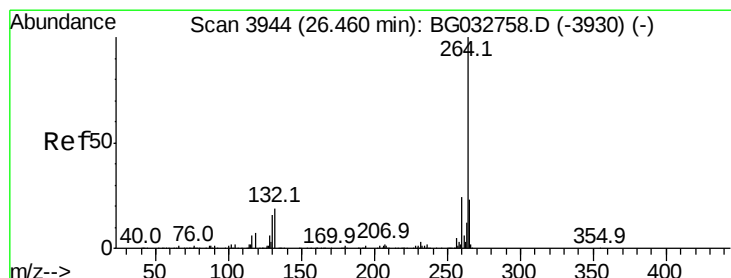
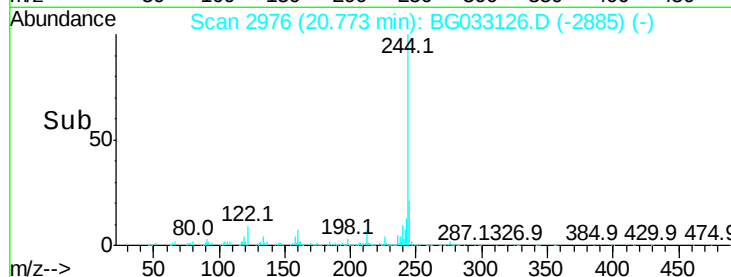
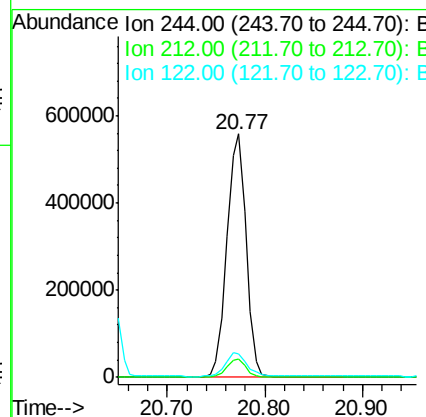
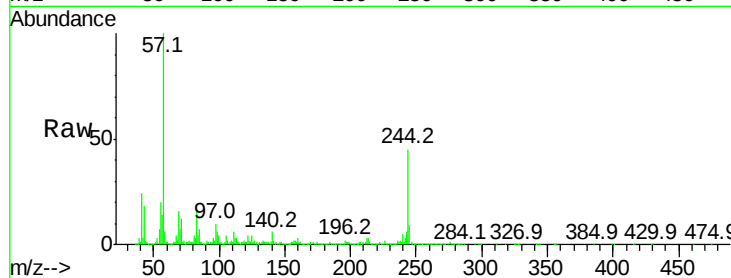


#78
 Terphenyl-d14
 Concen: 72.428 ng
 RT: 20.77 min Scan# 2976
 Delta R.T. 0.00 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 760565

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.8	7.0	10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.45 min Scan# 3943
 Delta R.T. 0.04 min
 Lab File: BG033126.D
 Acq: 13 Mar 2018 19:35

Tgt Ion:264 Resp: 240298

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	24.3	17.7	26.5

