

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033066.D
 Acq On : 9 Mar 2018 7:55
 Operator : SJ/JU
 Sample : J1828-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 10:08:22 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	8.91	152	55152	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	237576	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	130455	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	288098	20.00	ng	0.00
75) Chrysene-d12	22.61	240	273642	20.00	ng	0.00
86) Perylene-d12	26.42	264	249432	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	491926	142.70	ng	0.00
7) Phenol-d6	8.01	99	598799	124.62	ng	0.00
23) Nitrobenzene-d5	10.11	82	437559	122.82	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	230242	167.85	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	922032	101.94	ng	0.00
78) Terphenyl-d14	20.78	244	1331204	109.30	ng	0.00

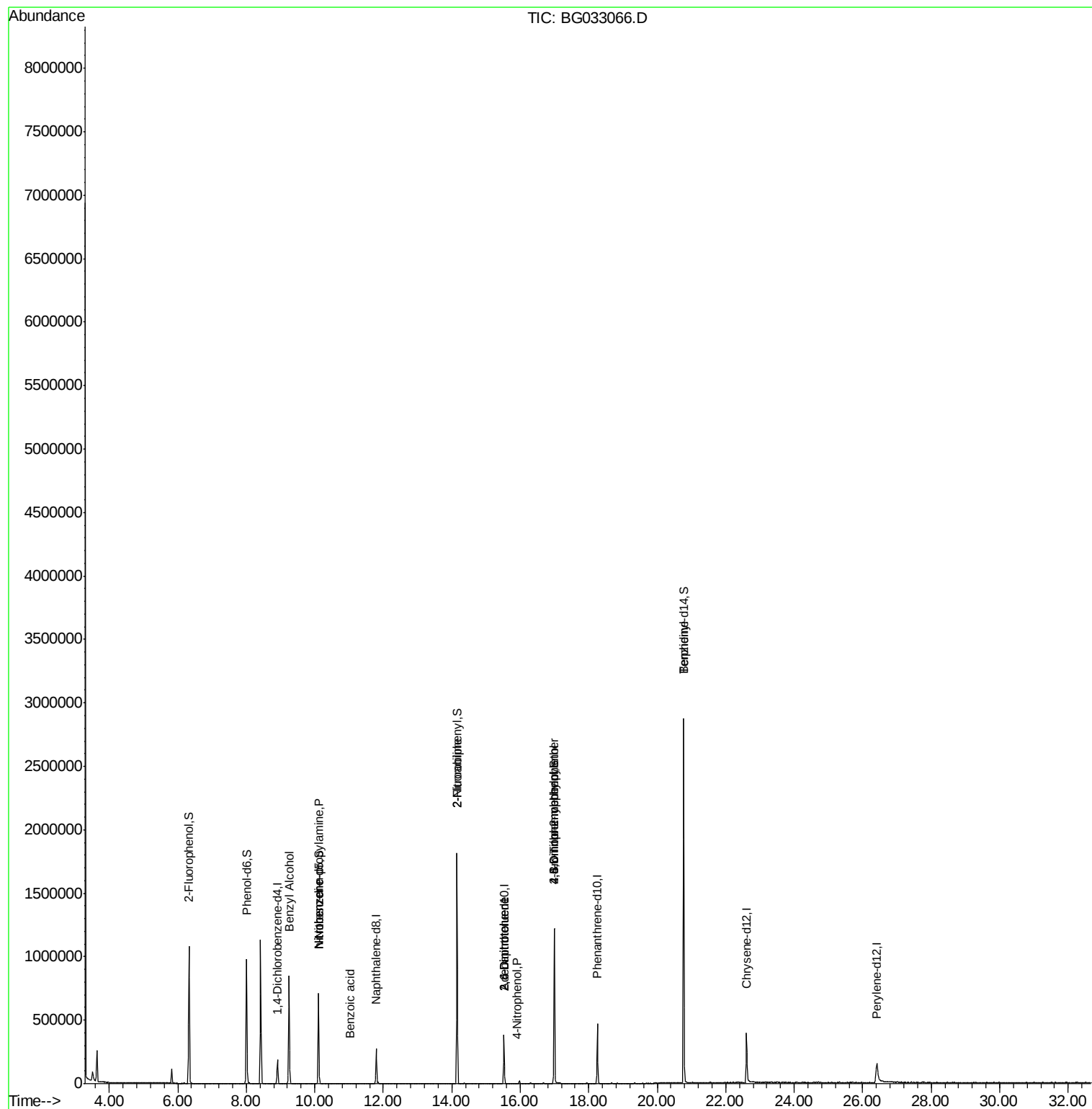
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	7669	2.171	ng	# 43
19) n-Nitroso-di-n-propylamine	10.11	70	58669	17.295	ng	# 85
24) Nitrobenzene	10.11	77	1259	6.668	ng	# 39
32) Benzoic acid	11.03	122	207	5.927	ng	# 82
47) 2-Nitroaniline	14.16	65	1700	10.465	ng	# 2
50) 2,6-Dinitrotoluene	15.52	165	16593	16.271	ng	# 18
55) 4-Nitrophenol	15.92	139	86	7.124	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	16593	14.468	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	830	6.169	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16233	5.329	ng	# 1
76) Benzidine	20.77	184	23740	2.545	ng	# 91

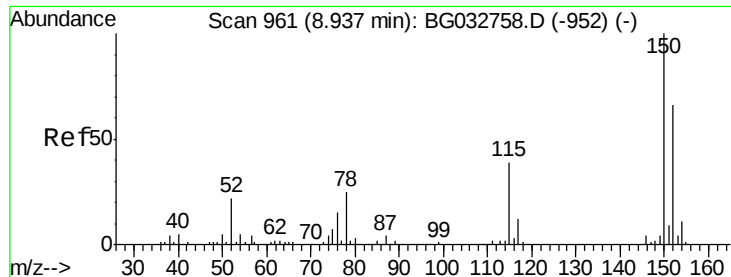
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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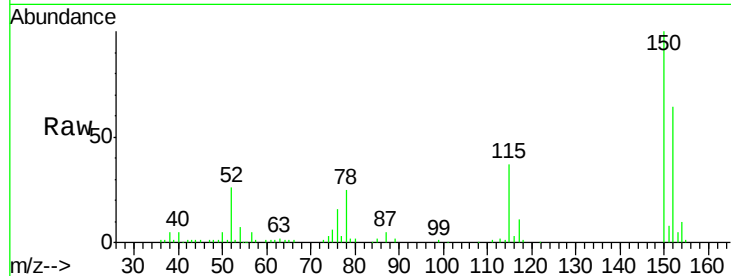


#1

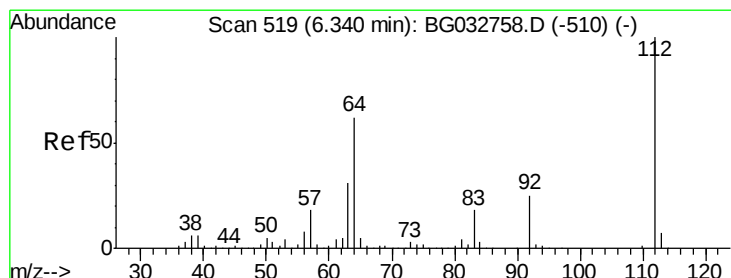
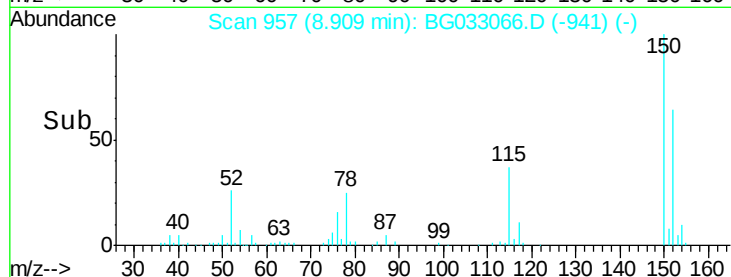
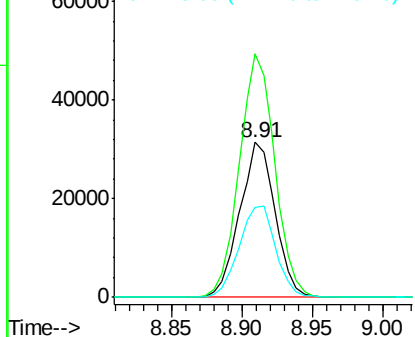
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55152
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 58.3 53.0 79.4



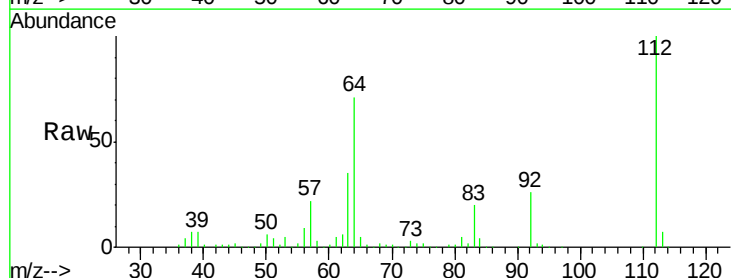
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



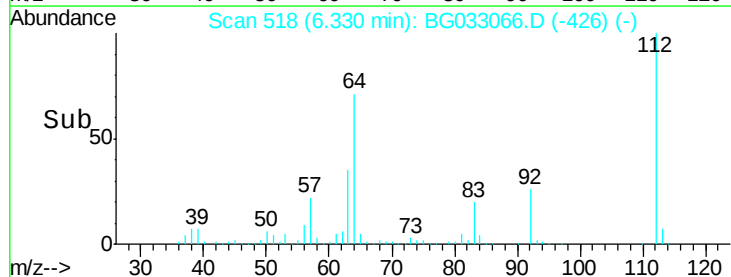
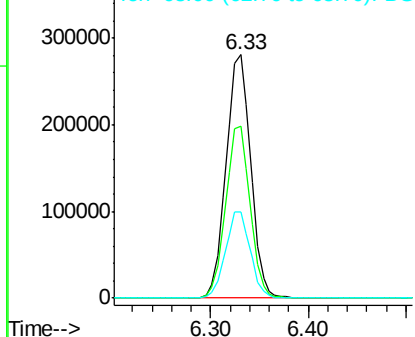
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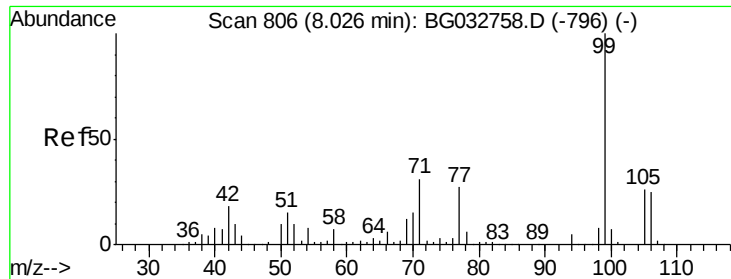
2-Fluorophenol
Concen: 142.698 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.01 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

Tgt Ion:112 Resp: 491926
Ion Ratio Lower Upper
112 100
64 70.7 56.3 84.5
63 35.3 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: 124.618 ng

RT: 8.01 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Instrument :

BNA_G

ClientSampleId :

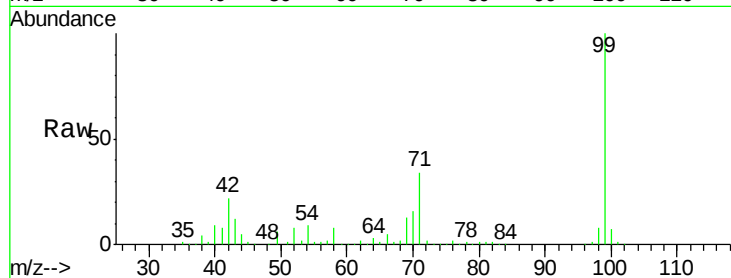
Tot Ion: 99 Resp: 598799

Ion Ratio Lower Upper

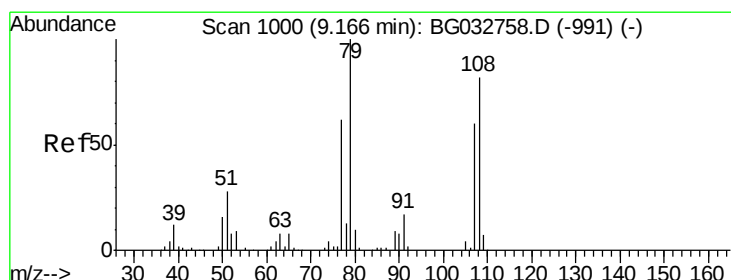
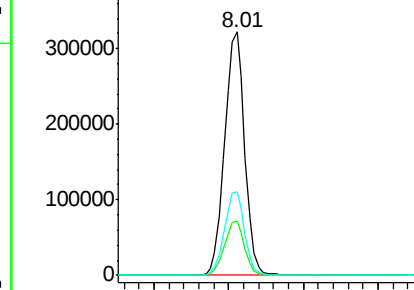
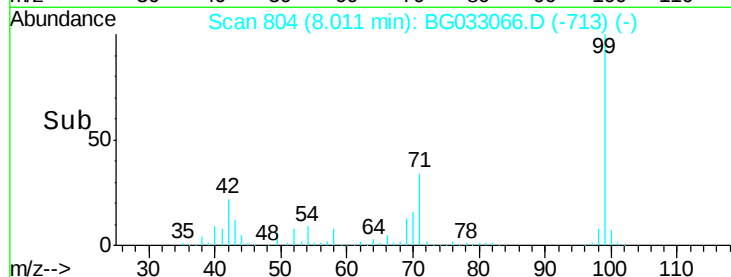
99 100

42 22.4 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



#15

Benzyl Alcohol

Concen: 2.171 ng

RT: 9.24 min Scan# 1014

Delta R.T. 0.10 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

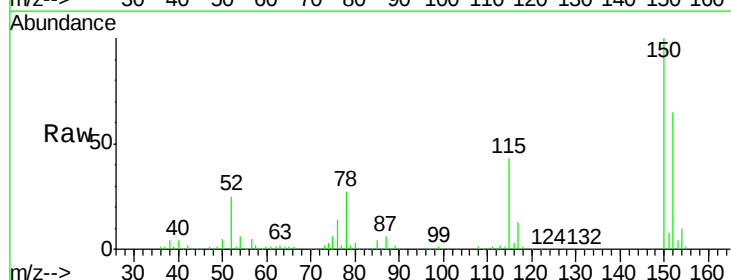
Tgt Ion: 79 Resp: 7669

Ion Ratio Lower Upper

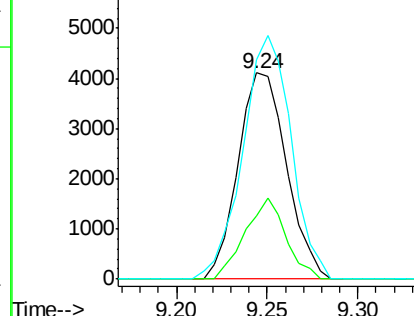
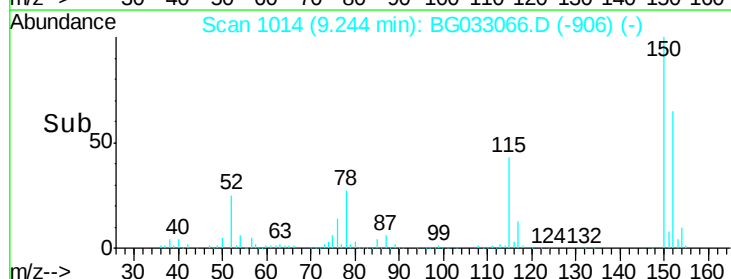
79 100

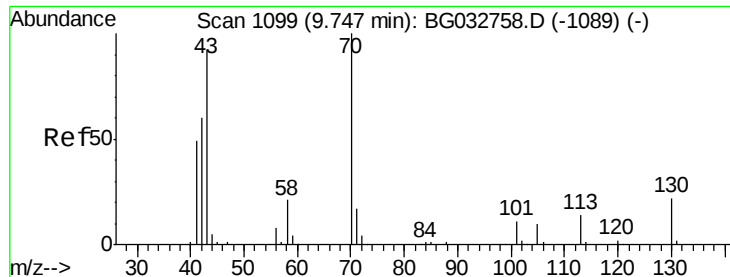
108 30.6 57.2 85.8#

77 106.7 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

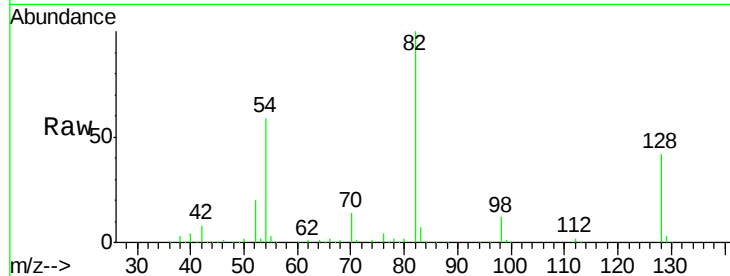




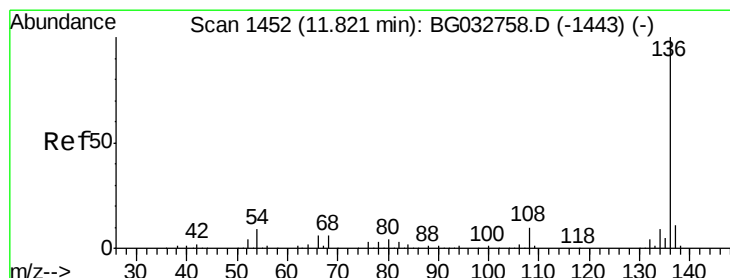
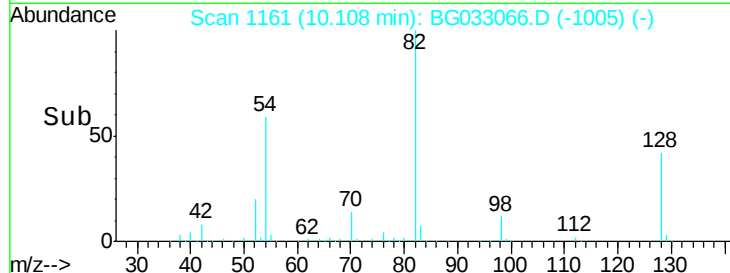
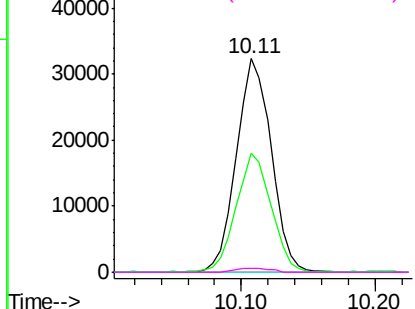
#19
n-Nitroso-di-n-propylamine
Concen: 17.295 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.38 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 58669
Ion Ratio Lower Upper
70 100
42 55.5 49.1 73.7
101 0.0 8.5 12.7#
130 1.8 13.4 20.0#

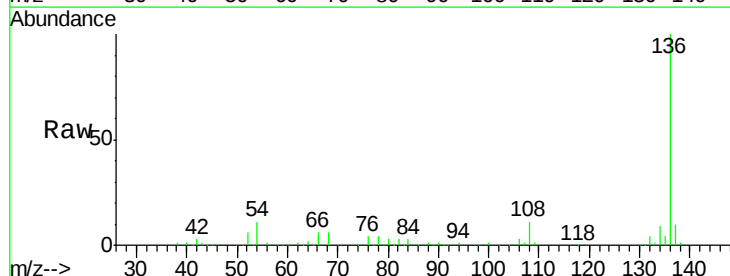


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

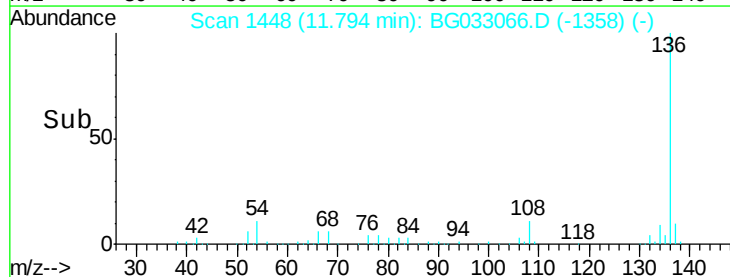
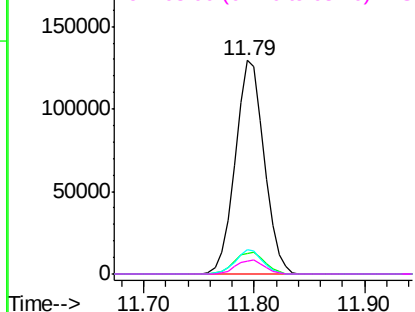


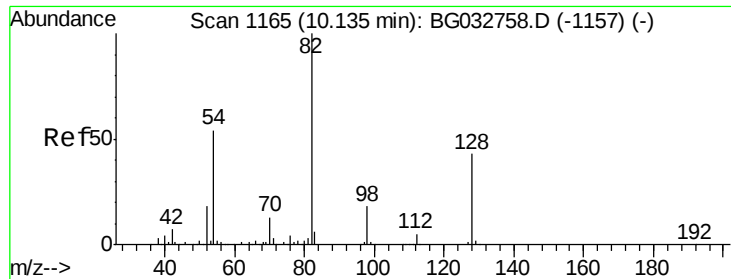
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

Tgt Ion: 136 Resp: 237576
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 11.1 10.3 15.5
68 6.2 4.5 6.7



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

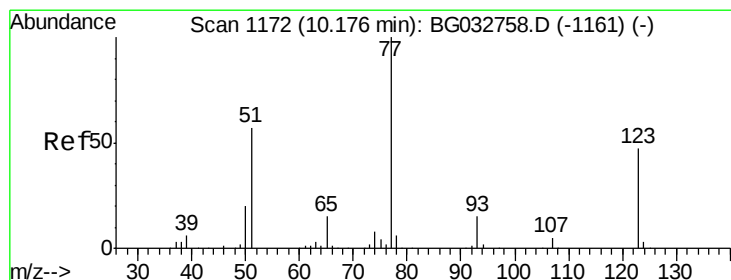
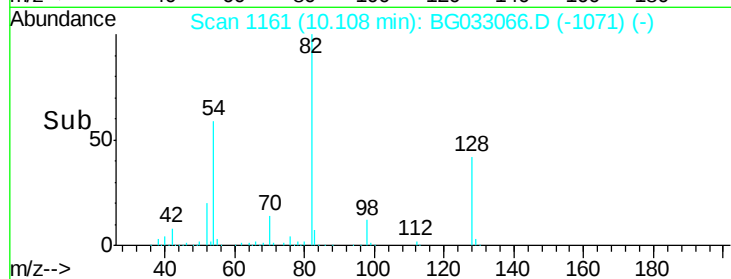
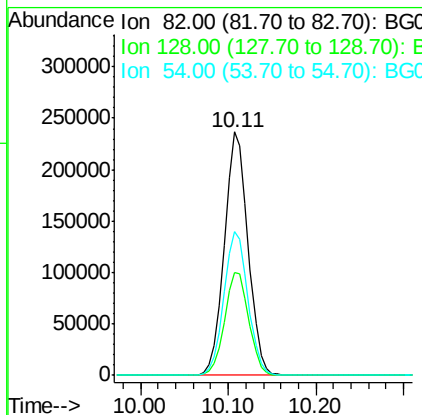
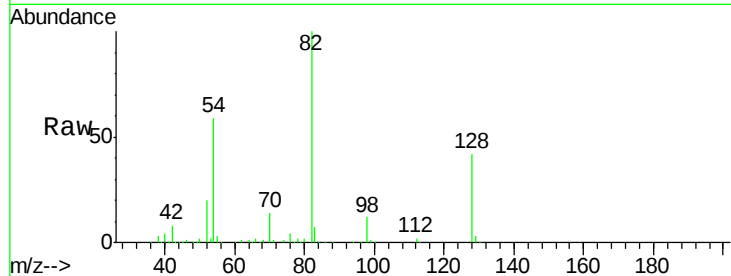




#23
 Nitrobenzene-d5
 Concen: 122.817 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

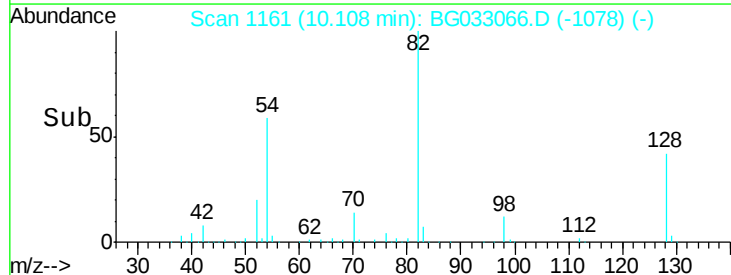
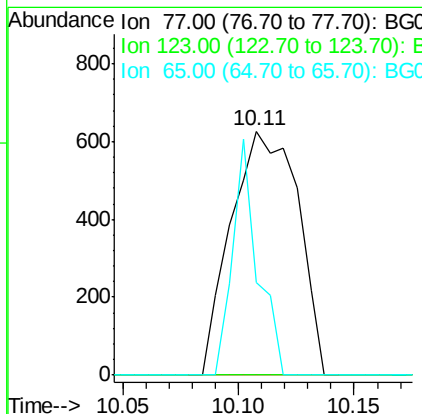
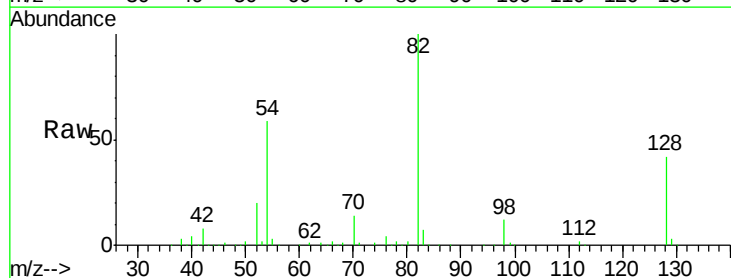
Instrument :
 BNA_G
 ClientSampleId :

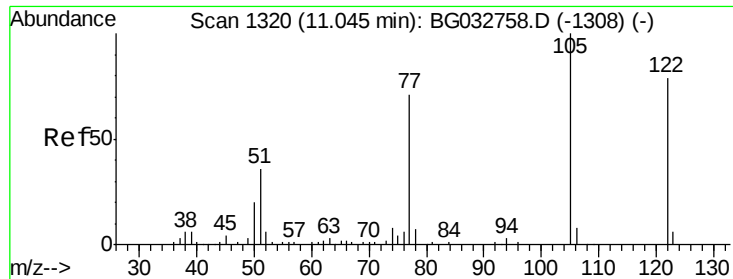
Tot Ion	82	Resp	437559
Ion Ratio	Lower	Upper	
82	100		
128	42.0	29.7	44.5
54	58.8	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.668 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.04 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Tgt Ion	77	Resp	1259
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	37.9	13.0	19.6#

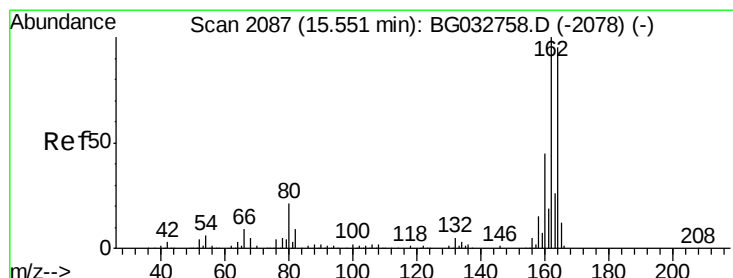
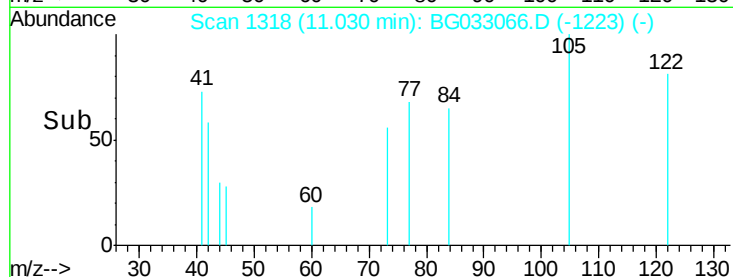
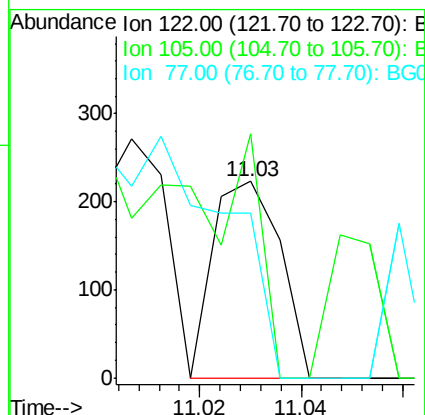
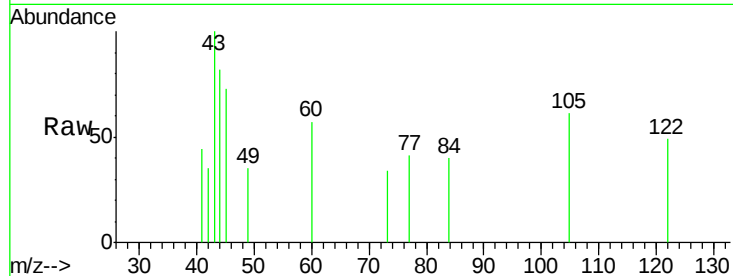




#32
Benzoic acid
Concen: 5.927 ng
RT: 11.03 min Scan# 1318
Delta R.T. 0.03 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

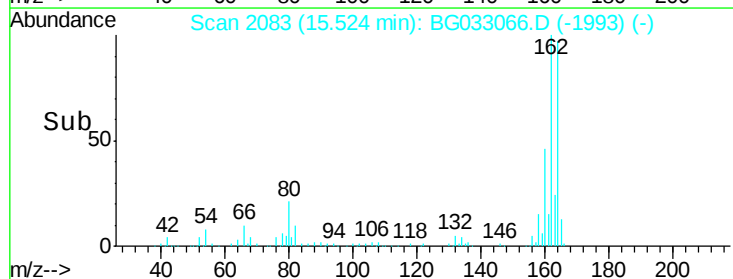
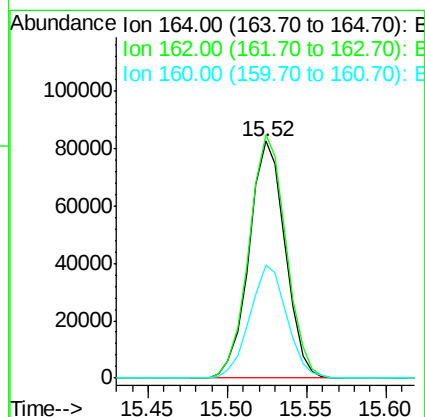
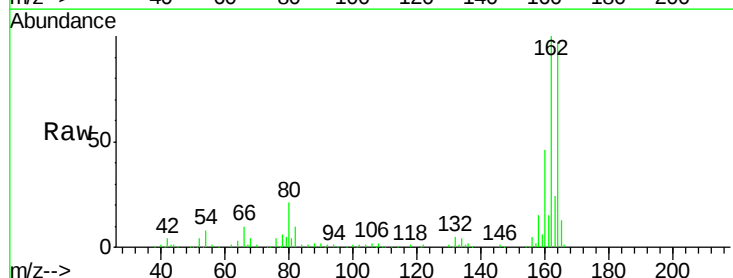
Instrument :
BNA_G
ClientSampleId :

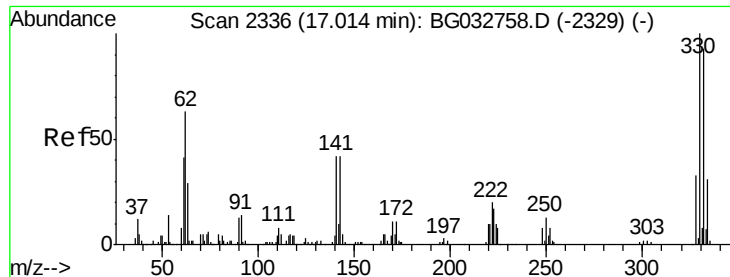
Tot Ion:122 Resp: 207
Ion Ratio Lower Upper
122 100
105 124.2 123.5 163.5
77 83.9 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG033066.D
Acq: 9 Mar 2018 7:55

Tgt Ion:164 Resp: 130455
Ion Ratio Lower Upper
164 100
162 102.9 78.8 118.2
160 47.7 35.4 53.0

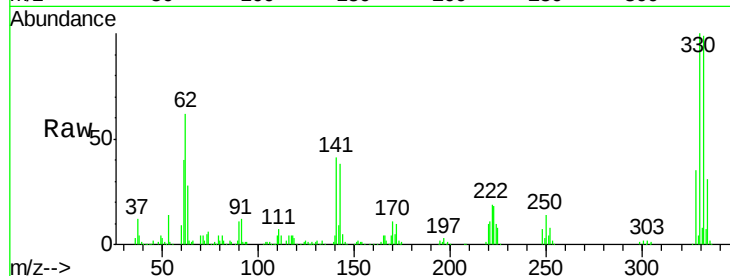




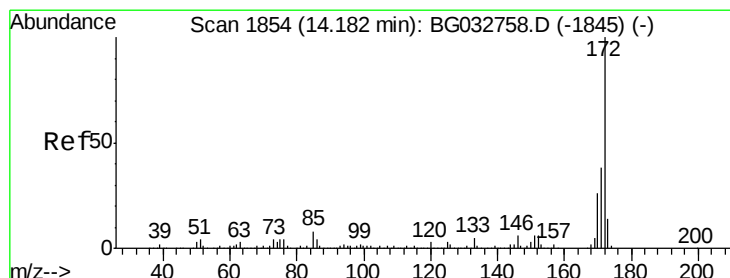
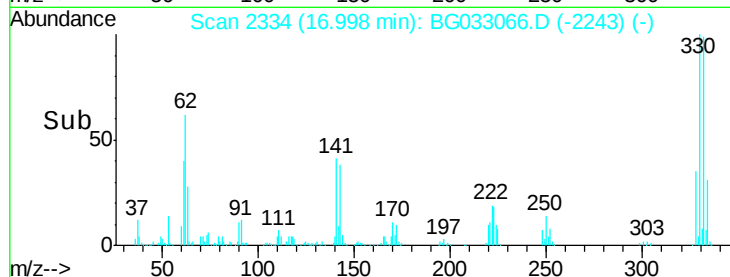
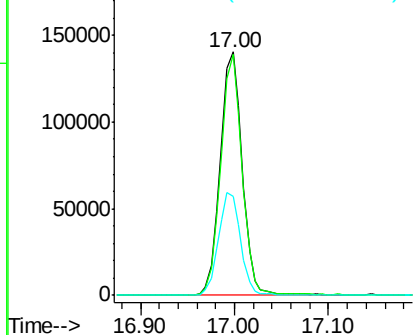
#41
 2,4,6-Tribromophenol
 Concen: 167.853 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 230242
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 42.7 25.2 37.8#

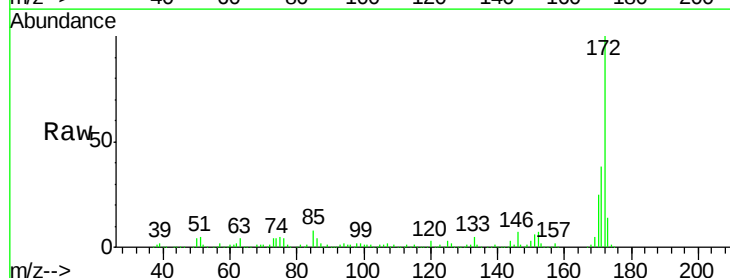


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

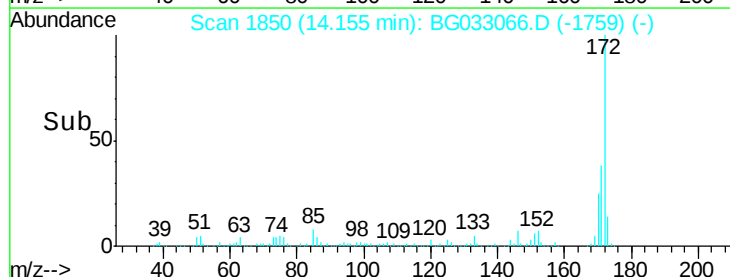
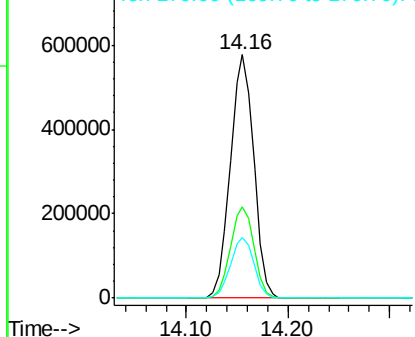


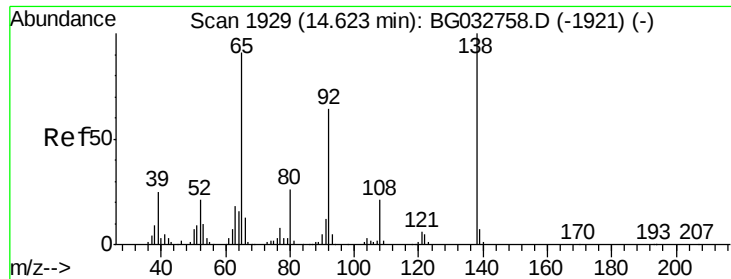
#44
 2-Fluorobiphenyl
 Concen: 101.936 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Tgt Ion:172 Resp: 922032
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.0 45.0
 170 24.7 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: 10.465 ng

RT: 14.16 min Scan# 1850

Delta R.T. -0.45 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Instrument :

BNA_G

ClientSampled :

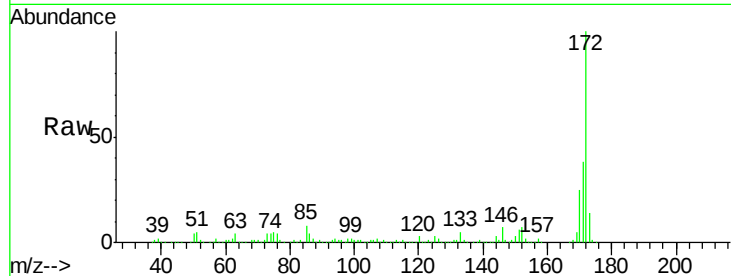
Tot Ion: 65 Resp: 1700

Ion Ratio Lower Upper

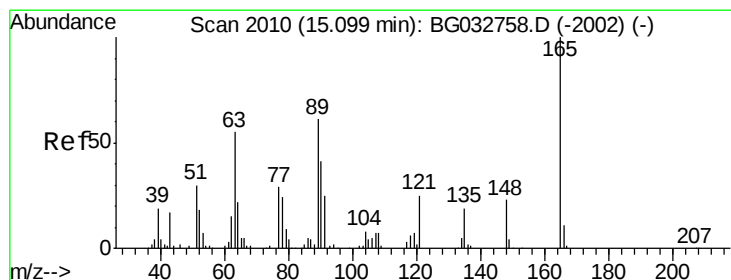
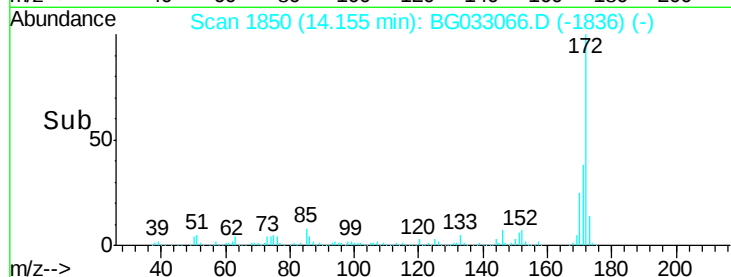
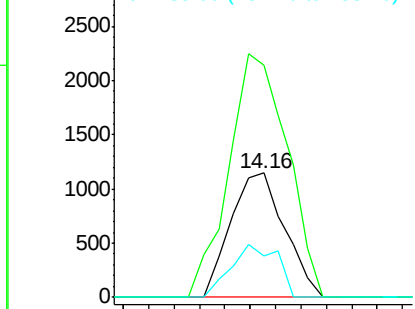
65 100

92 186.7 54.6 82.0#

138 32.9 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



#50

2,6-Dinitrotoluene

Concen: 16.271 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

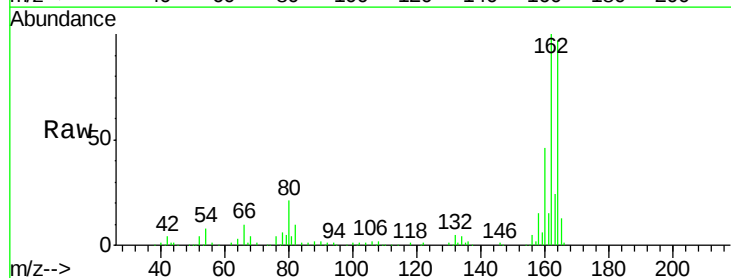
Tgt Ion:165 Resp: 16593

Ion Ratio Lower Upper

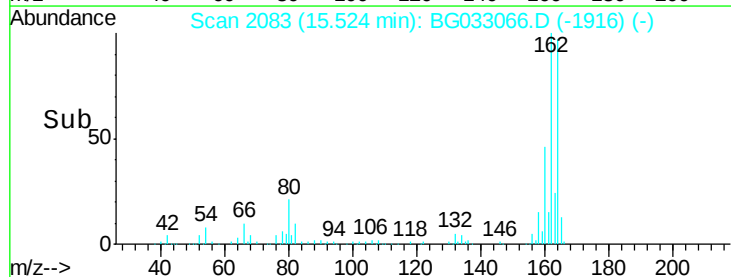
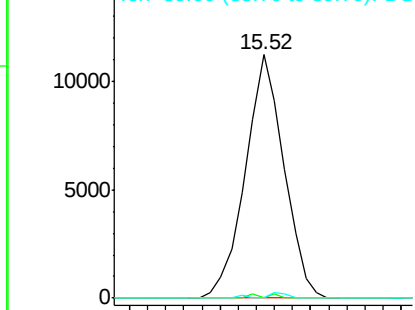
165 100

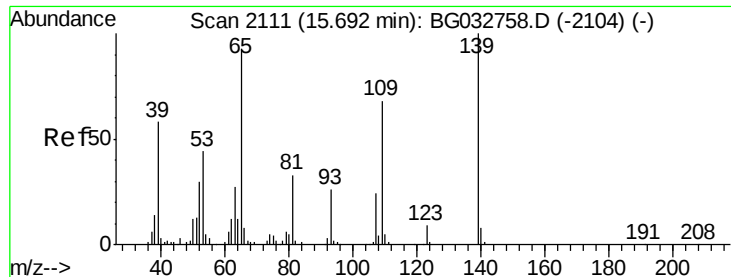
63 0.0 52.7 79.1#

89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#55

4-Nitrophenol

Concen: 7.124 ng

RT: 15.92 min Scan# 2150

Delta R.T. 0.24 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Instrument :

BNA_G

ClientSampleId :

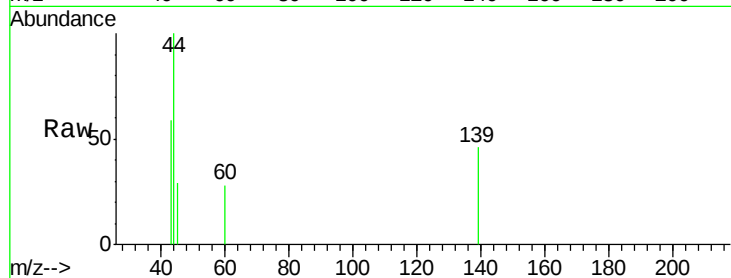
Tot Ion:139 Resp: 86

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

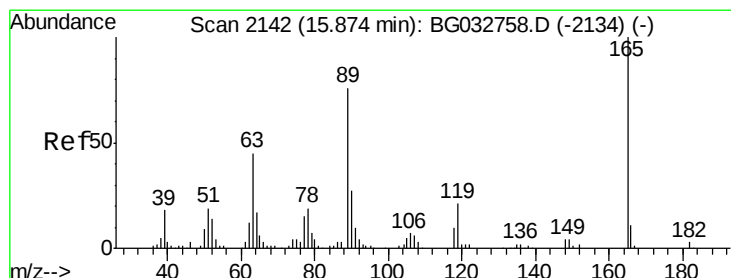
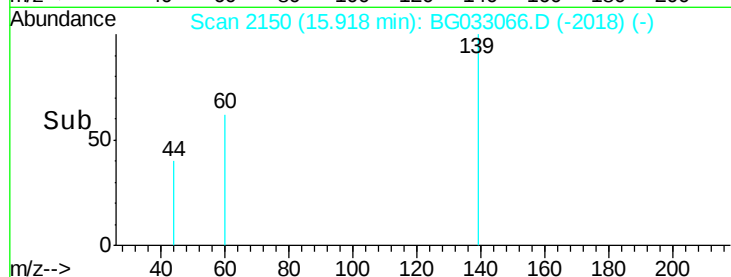
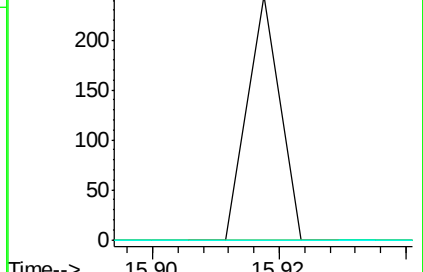
65 0.0 97.2 137.2#



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: 14.468 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Tgt Ion:165 Resp: 16593

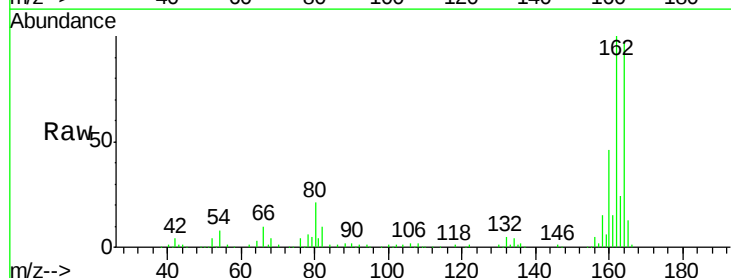
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

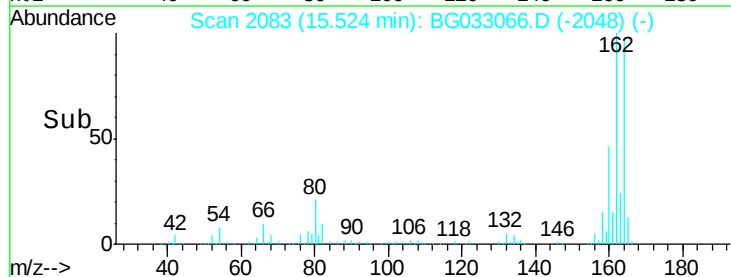
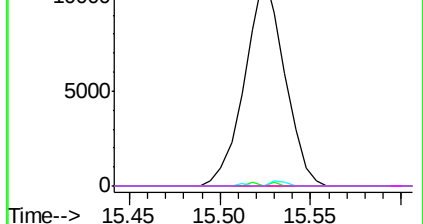


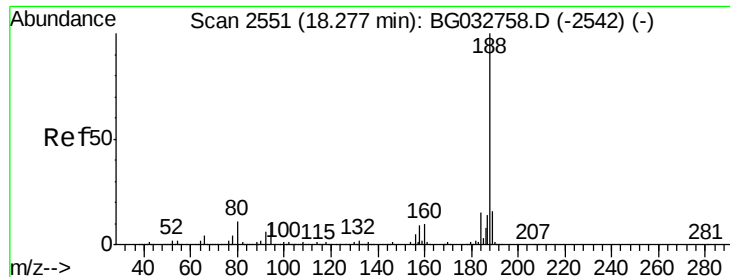
Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.25 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Instrument :

BNA_G

ClientSampleId :

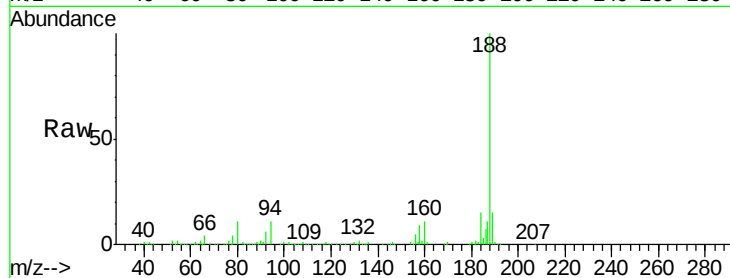
Tot Ion:188 Resp: 288098

Ion Ratio Lower Upper

188 100

94 10.7 6.9 10.3#

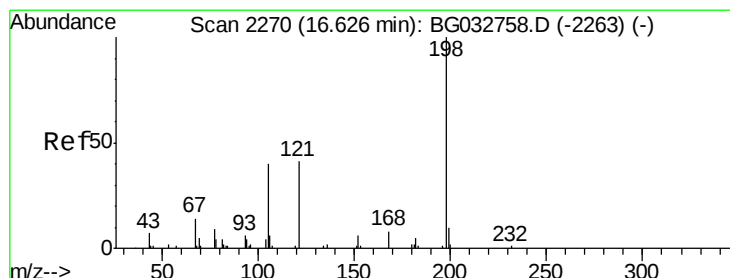
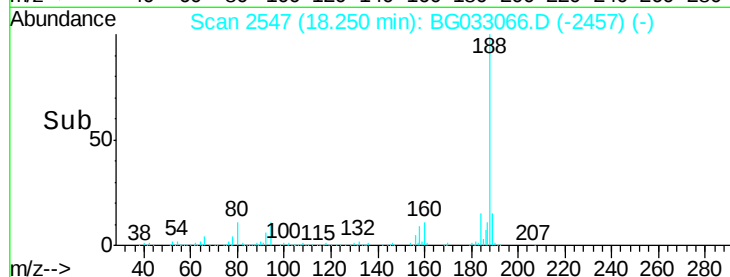
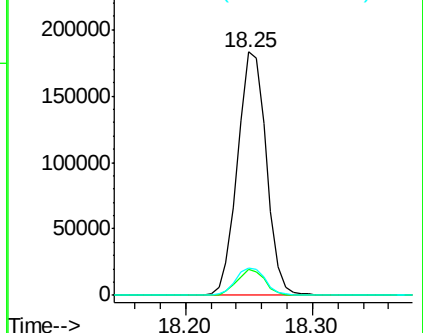
80 11.1 7.7 11.5



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: 6.169 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

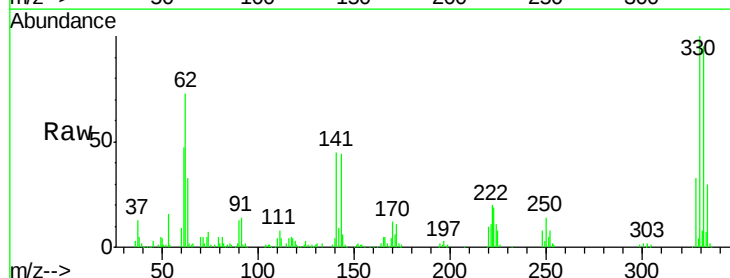
Tgt Ion:198 Resp: 830

Ion Ratio Lower Upper

198 100

51 147.9 30.6 70.6#

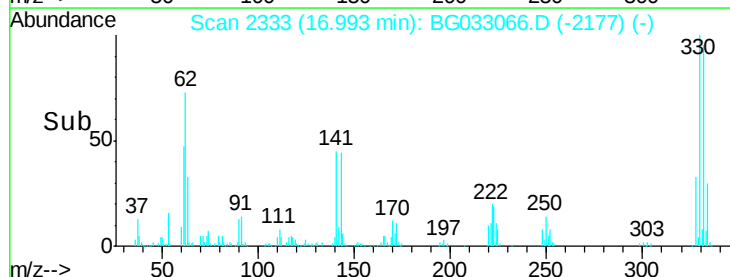
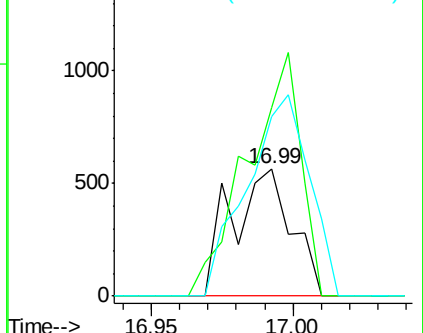
105 141.2 23.8 63.8#

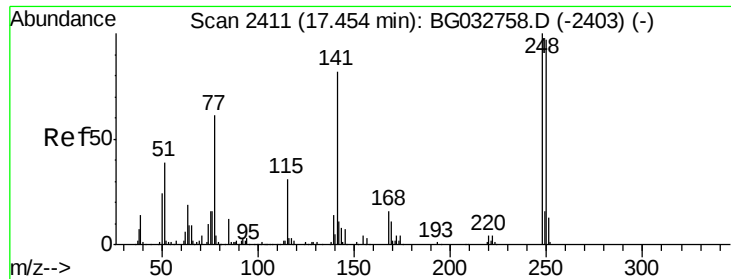


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

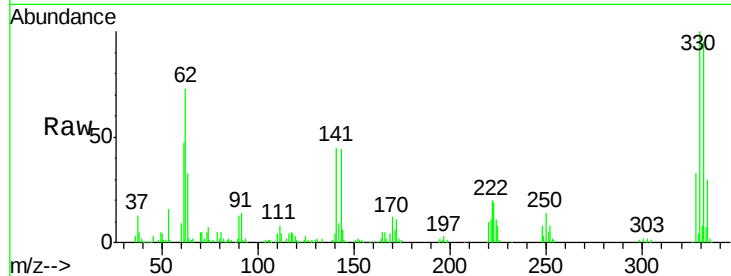




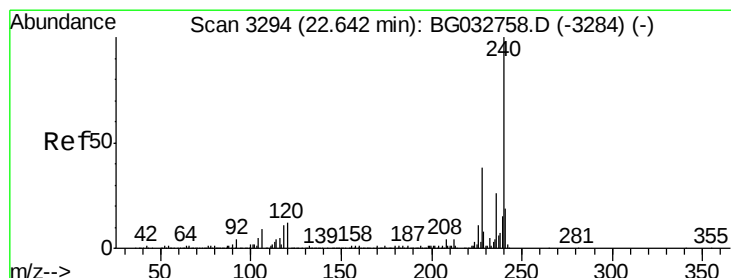
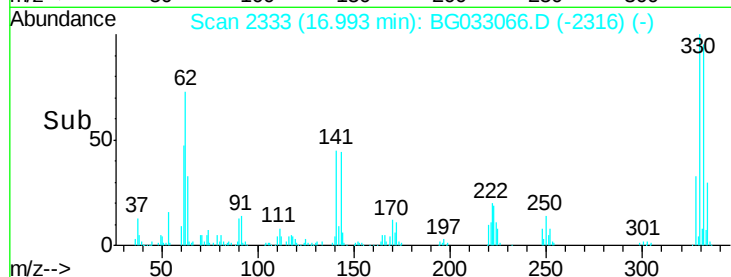
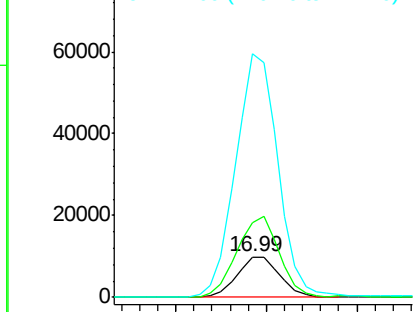
#66
 4-Bromophenyl-phenylether
 Concen: 5.329 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16233
 Ion Ratio Lower Upper
 248 100
 250 184.5 77.1 115.7#
 141 600.0 50.8 76.2#

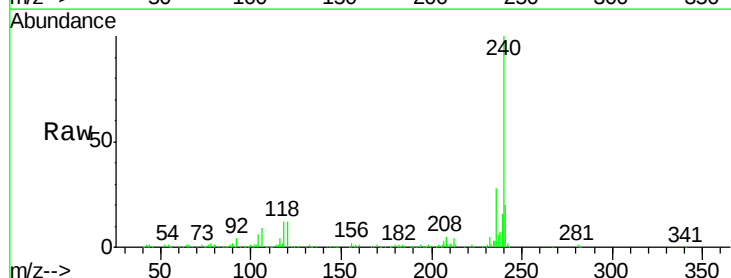


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

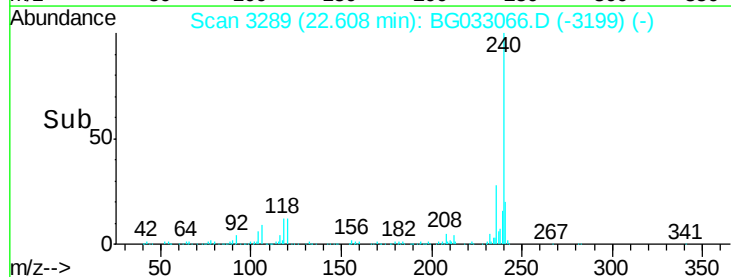
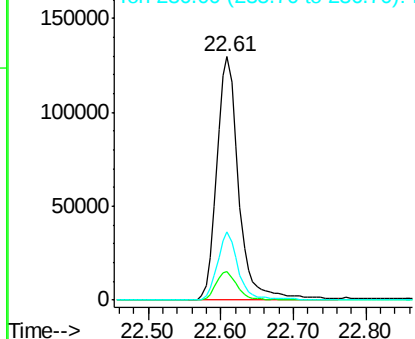


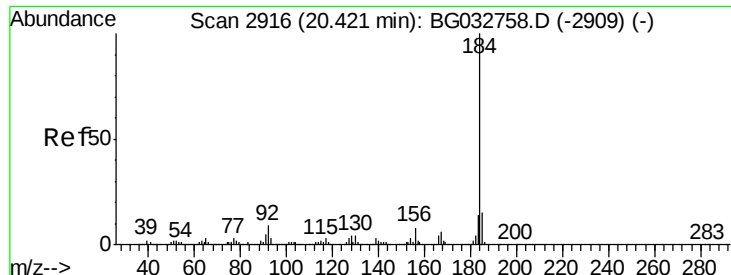
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Tgt Ion:240 Resp: 273642
 Ion Ratio Lower Upper
 240 100
 120 11.9 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





#76

Benzidine

Concen: 2.545 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

Instrument :

BNA_G

ClientSampleId :

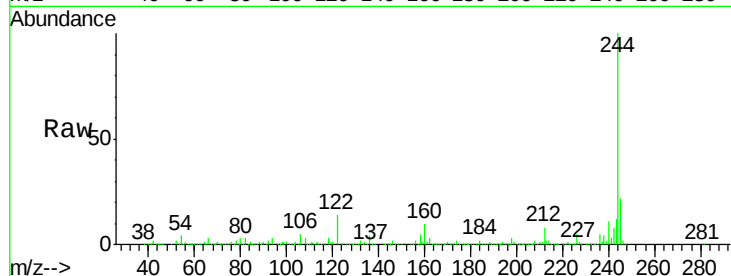
Tot Ion:184 Resp: 23740

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

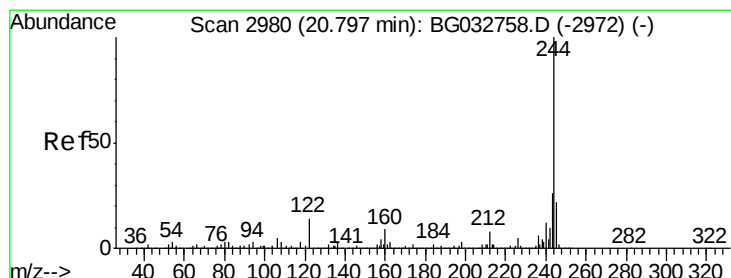
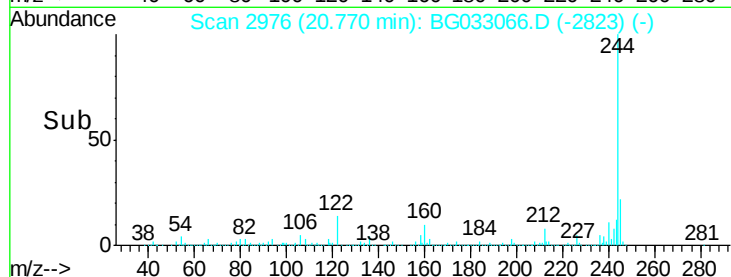
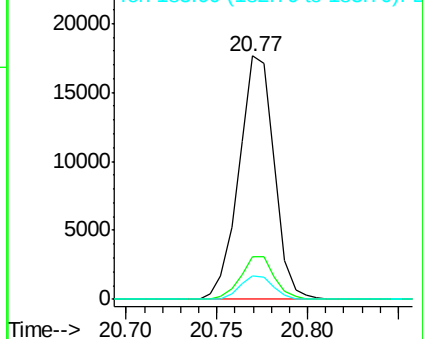
183 9.6 10.6 16.0#



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: 109.298 ng

RT: 20.78 min Scan# 2977

Delta R.T. 0.01 min

Lab File: BG033066.D

Acq: 9 Mar 2018 7:55

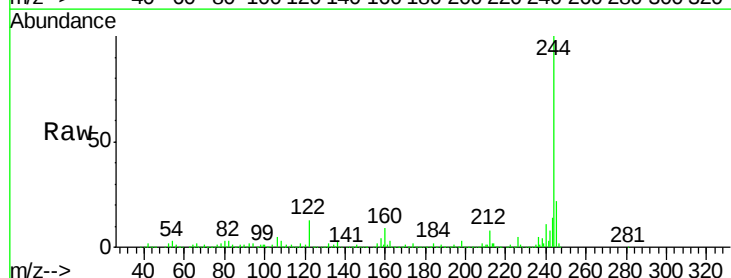
Tgt Ion:244 Resp: 1331204

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

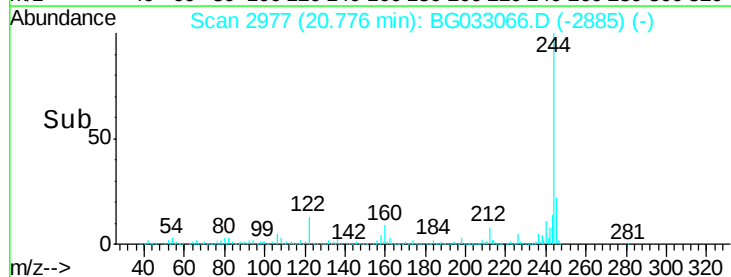
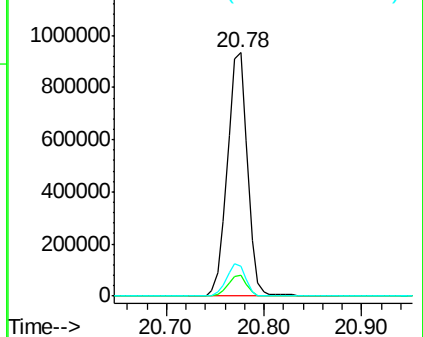
122 12.5 7.0 10.4#

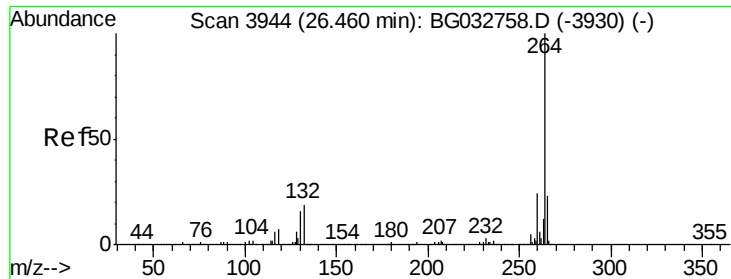


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.42 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: BG033066.D
 Acq: 9 Mar 2018 7:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	22.7	17.7	26.5

