

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
 Data File : BG033027.D
 Acq On : 6 Mar 2018 18:38
 Operator : SJ/JU
 Sample : J1809-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 07 02:21:26 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	52416	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	224623	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	128295	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	308503	20.00	ng	0.00
75) Chrysene-d12	22.60	240	284355	20.00	ng	0.00
86) Perylene-d12	26.42	264	244408	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.33	112	472865	144.33	ng	0.00
7) Phenol-d6	8.01	99	576996	126.35	ng	0.00
23) Nitrobenzene-d5	10.11	82	422397	125.19	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	239832	177.79	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	893647	100.46	ng	0.00
78) Terphenyl-d14	20.77	244	1390067	109.83	ng	0.00

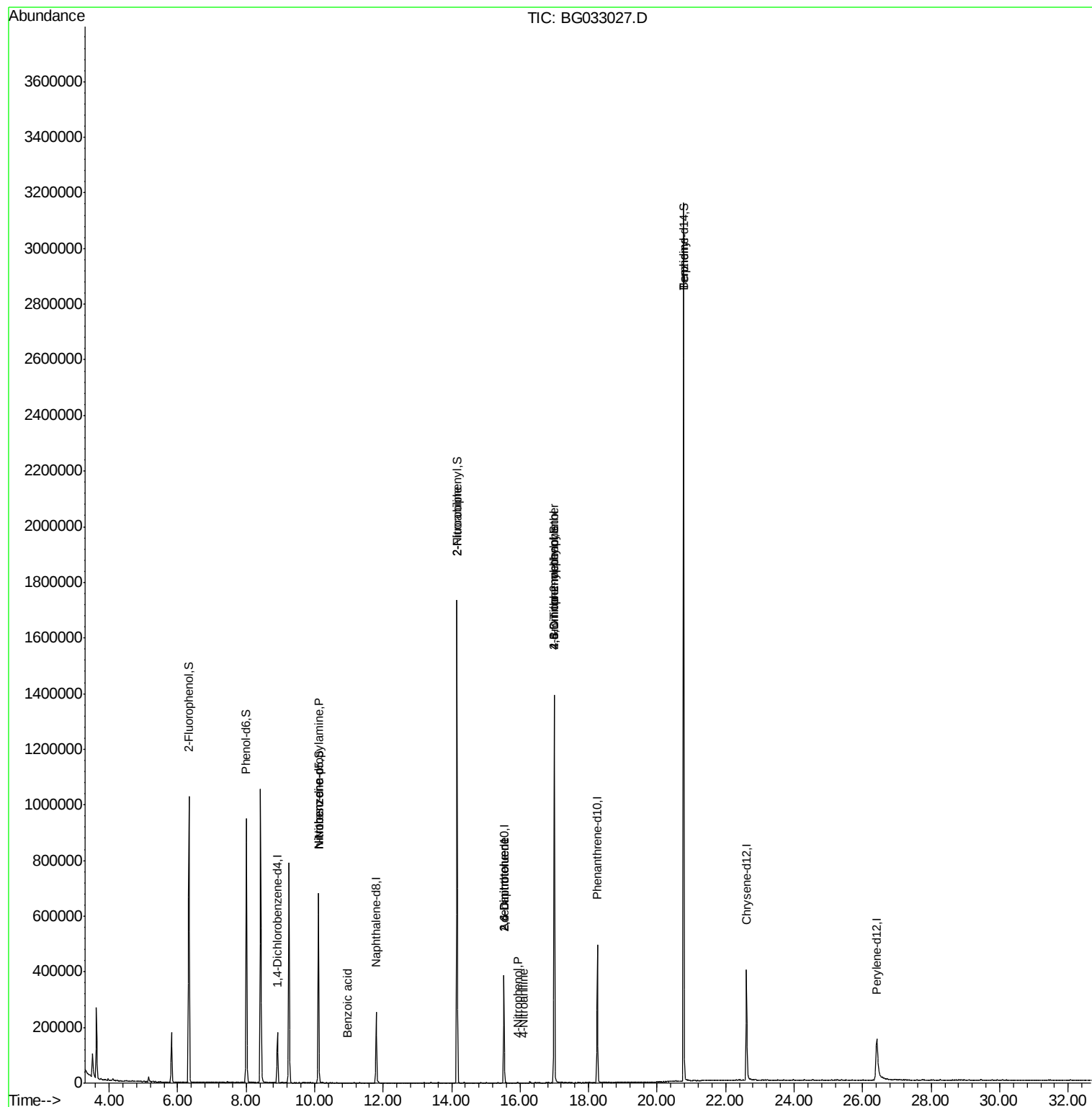
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	55210	17.125	ng	# 83
24) Nitrobenzene	10.10	77	1124	6.652	ng	# 28
32) Benzoic acid	10.96	122	68	5.854	ng	# 1
47) 2-Nitroaniline	14.15	65	1860	10.536	ng	# 3
50) 2,6-Dinitrotoluene	15.53	165	16861	16.516	ng	# 20
55) 4-Nitrophenol	15.93	139	261	7.214	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	16861	14.715	ng	# 18
61) 4-Nitroaniline	16.08	138	56	5.321	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	715	5.932	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16938	5.192	ng	# 1
76) Benzidine	20.77	184	24412	2.519	ng	# 90

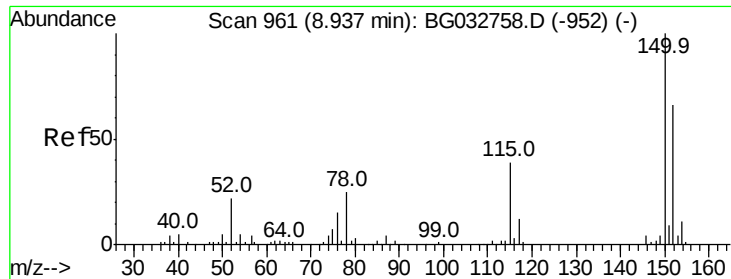
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030618\
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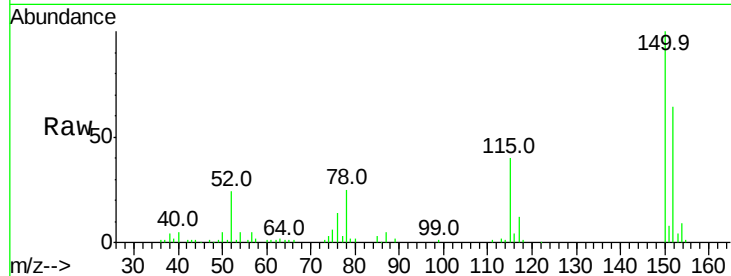


#1

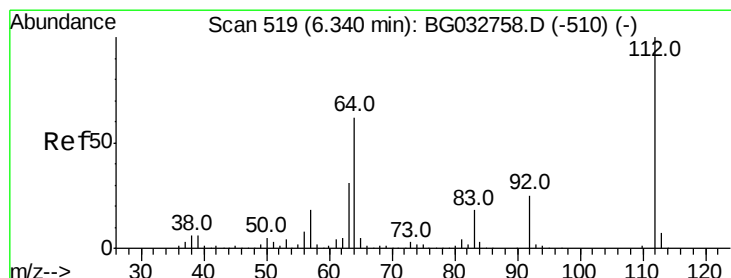
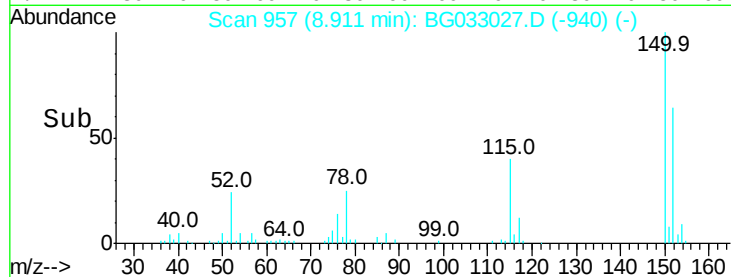
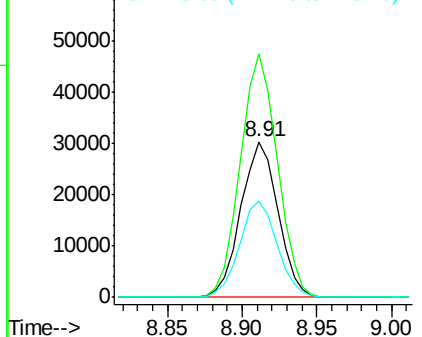
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52416
Ion Ratio Lower Upper
152 100
150 156.2 126.6 189.8
115 61.7 53.0 79.4



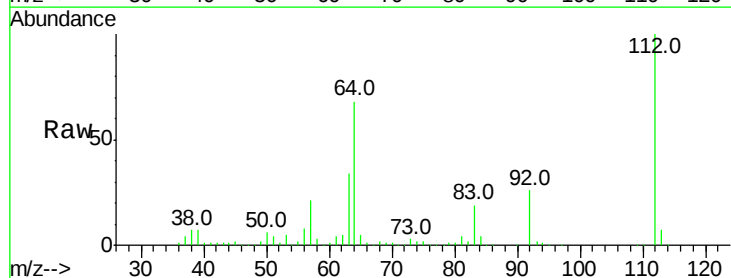
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



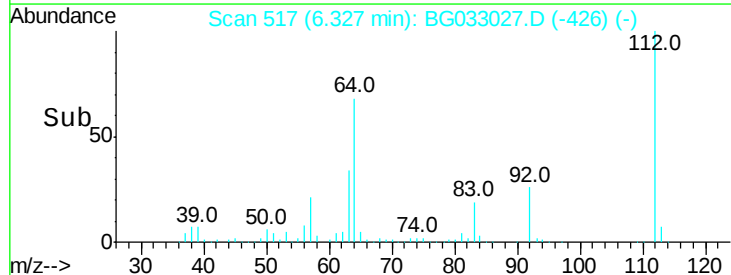
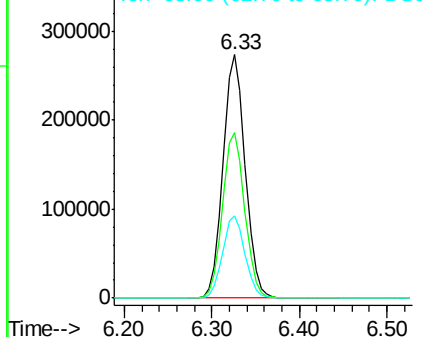
#5

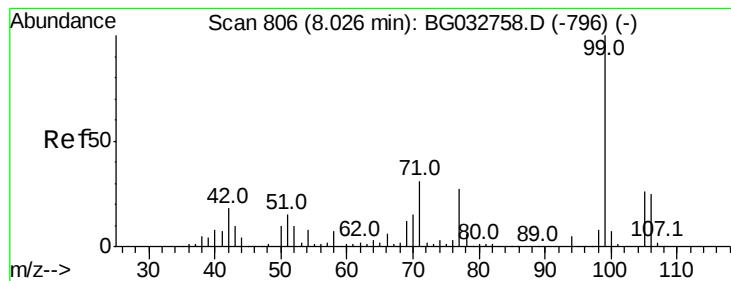
2-Fluorophenol
Concen: 144.329 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

Tgt Ion:112 Resp: 472865
Ion Ratio Lower Upper
112 100
64 68.0 56.3 84.5
63 34.1 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: 126.348 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Instrument :

BNA_G

ClientSampleId :

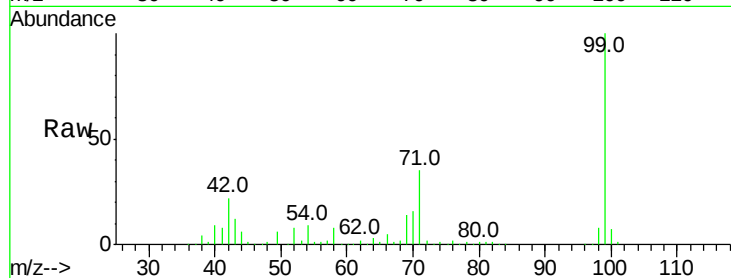
Tot Ion: 99 Resp: 576996

Ion Ratio Lower Upper

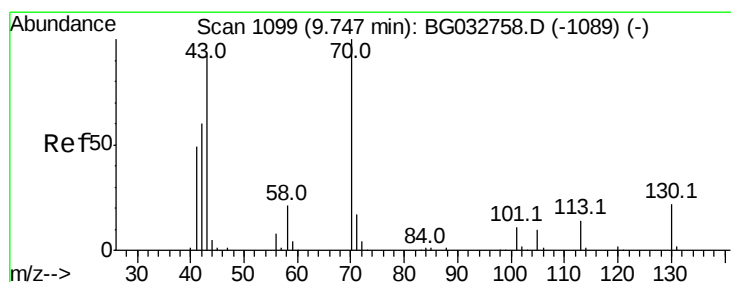
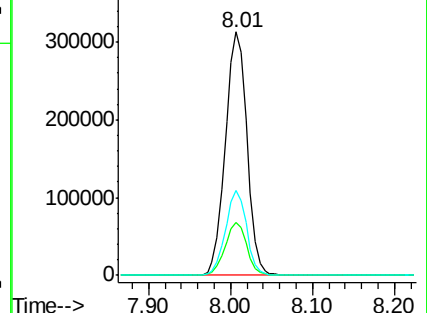
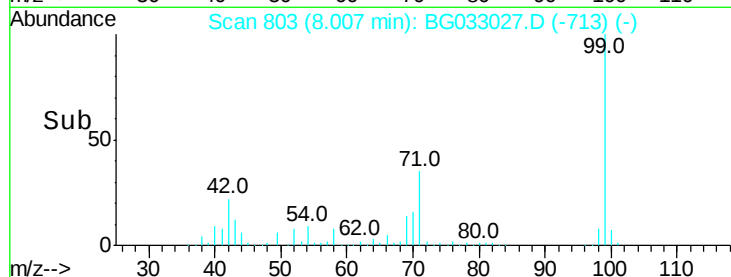
99 100

42 21.8 14.1 21.1#

71 34.8 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: 17.125 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Tgt Ion: 70 Resp: 55210

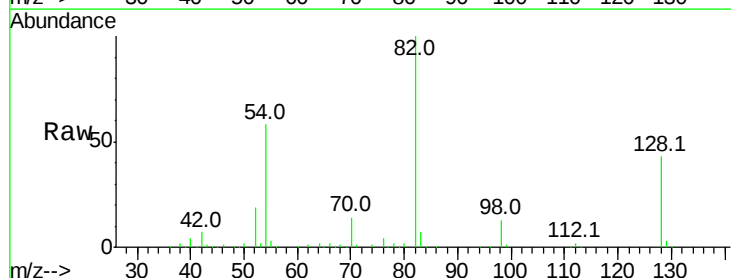
Ion Ratio Lower Upper

70 100

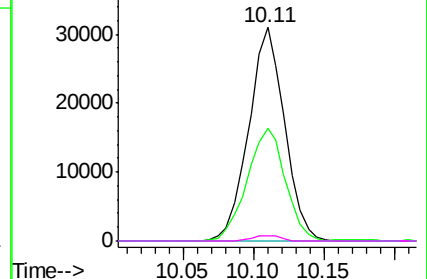
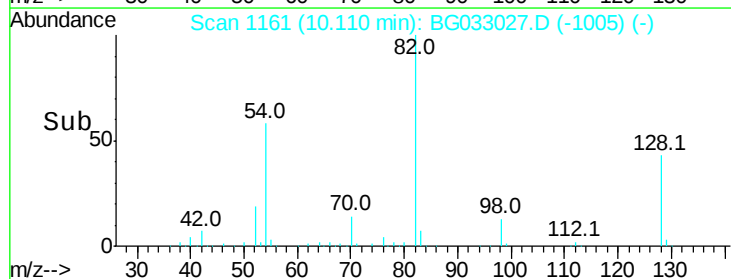
42 52.7 49.1 73.7

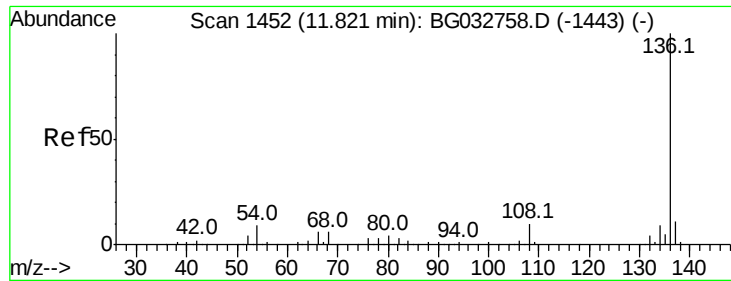
101 0.0 8.5 12.7#

130 2.5 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

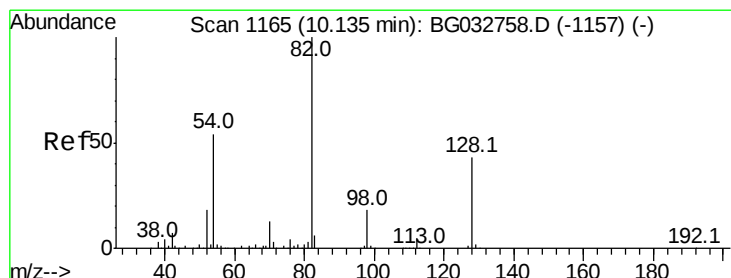
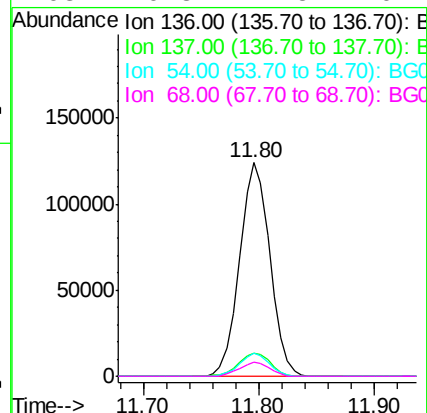
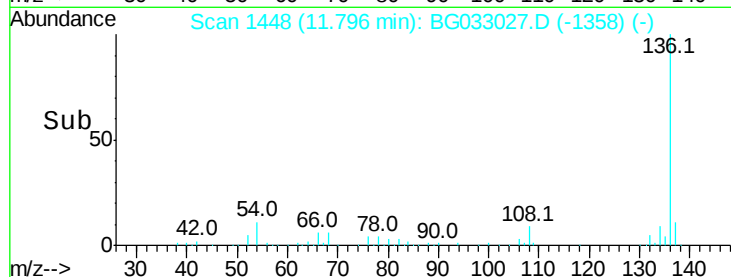
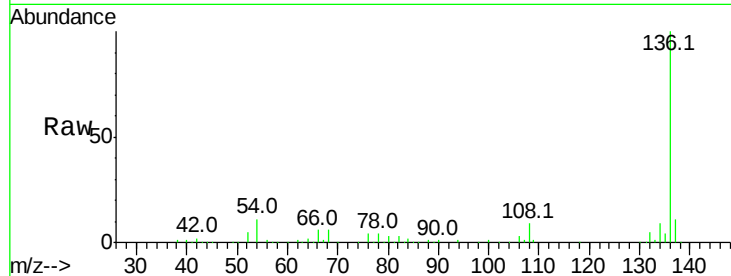




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

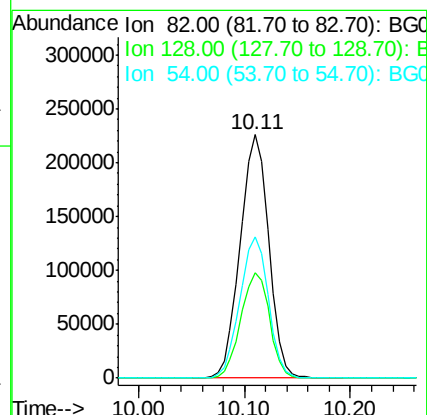
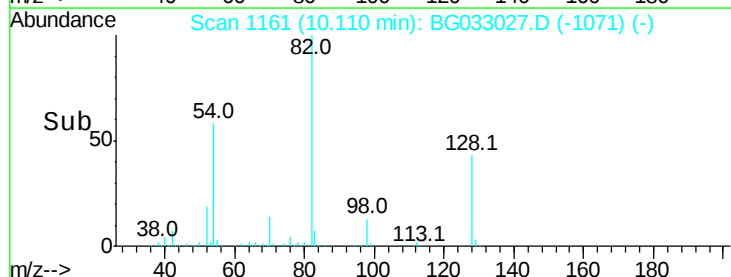
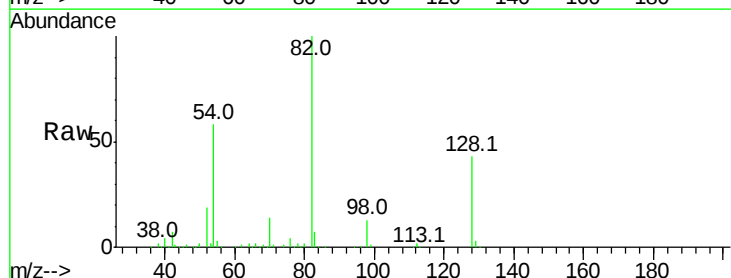
Instrument :
BNA_G
ClientSampleId :

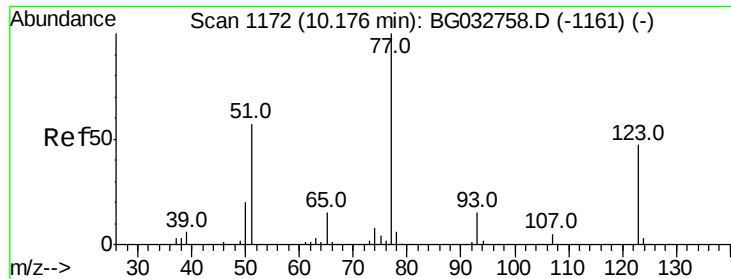
Tot Ion:136	Resp:	224623	
Ion Ratio	Lower	Upper	
136 100			
137 10.5	9.2	13.8	
54 10.6	10.3	15.5	
68 6.3	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 125.190 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

Tgt	Ion: 82	Resp:	422397
Ion	Ratio	Lower	Upper
82	100		
128	43.5	29.7	44.5
54	58.3	43.1	64.7





#24

Nitrobenzene

Concen: 6.652 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Instrument :

BNA_G

ClientSampled :

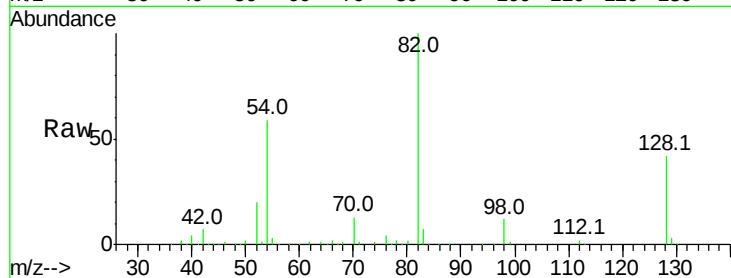
Tot Ion: 77 Resp: 1124

Ion Ratio Lower Upper

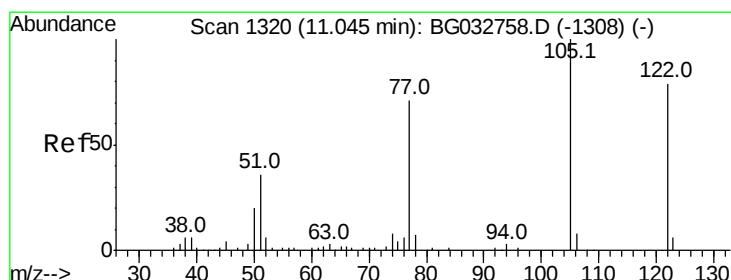
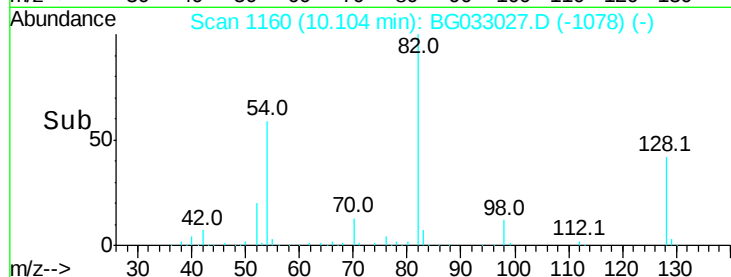
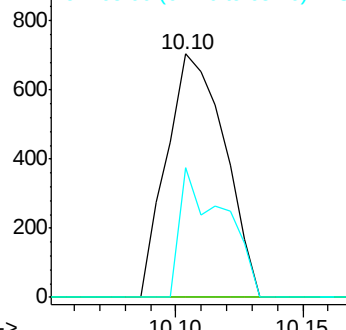
77 100

123 0.0 33.0 49.6#

65 53.6 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



#32

Benzoic acid

Concen: 5.854 ng

RT: 10.96 min Scan# 1306

Delta R.T. -0.04 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

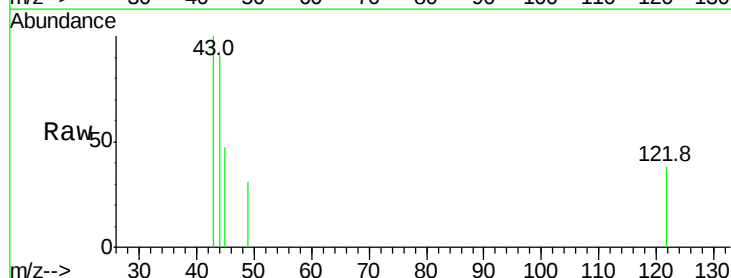
Tgt Ion: 122 Resp: 68

Ion Ratio Lower Upper

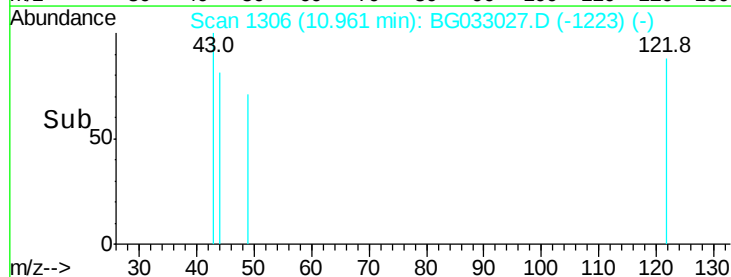
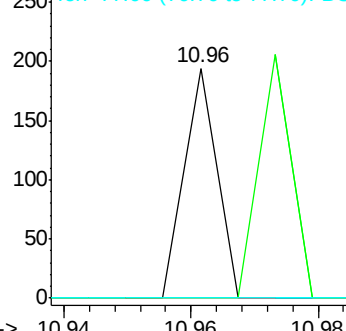
122 100

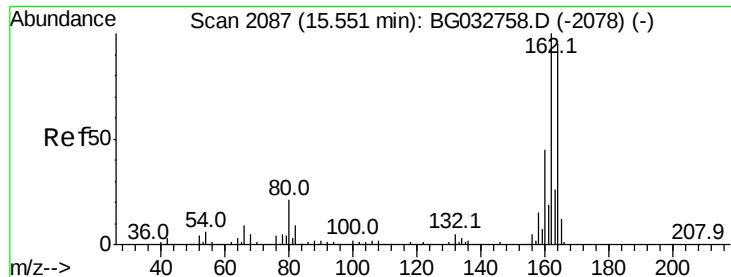
105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Instrument :

BNA_G

ClientSampleId :

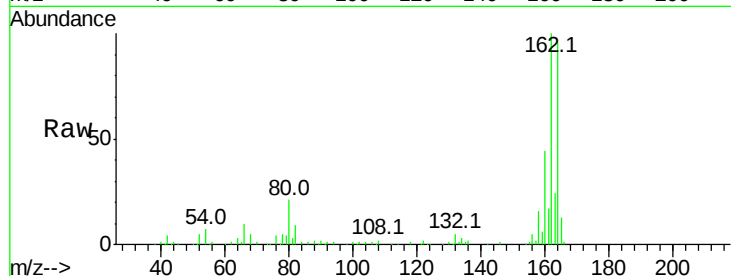
Tot Ion:164 Resp: 128295

Ion Ratio Lower Upper

164 100

162 103.7 78.8 118.2

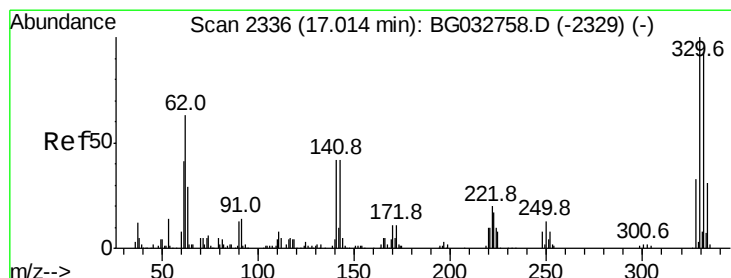
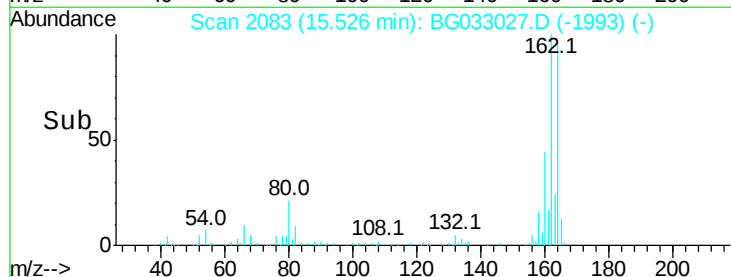
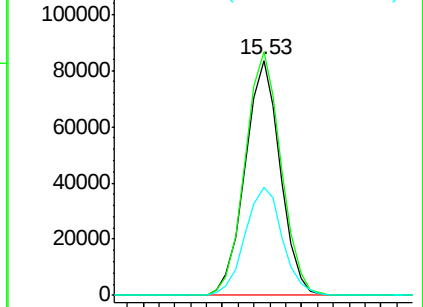
160 46.0 35.4 53.0



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: 177.788 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

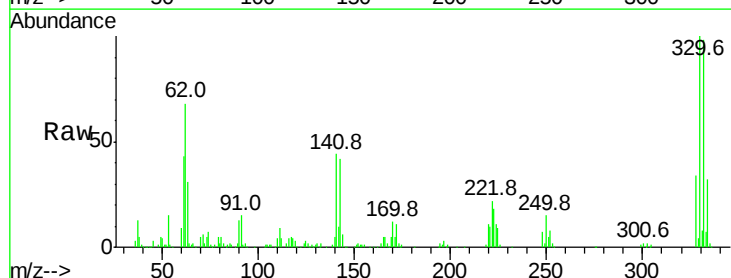
Tgt Ion:330 Resp: 239832

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

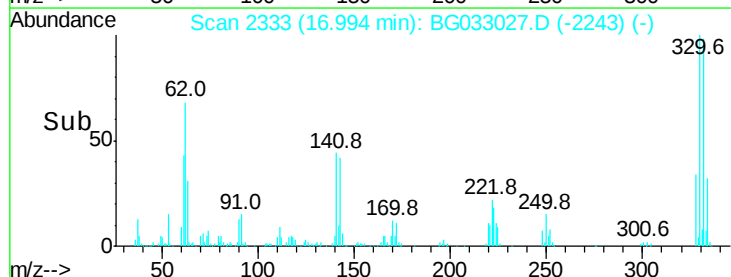
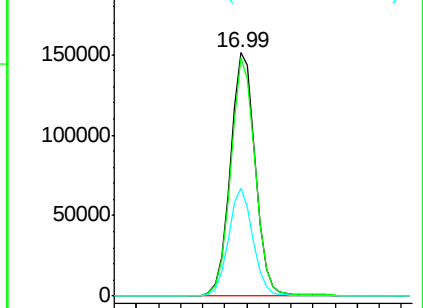
141 43.4 25.2 37.8#

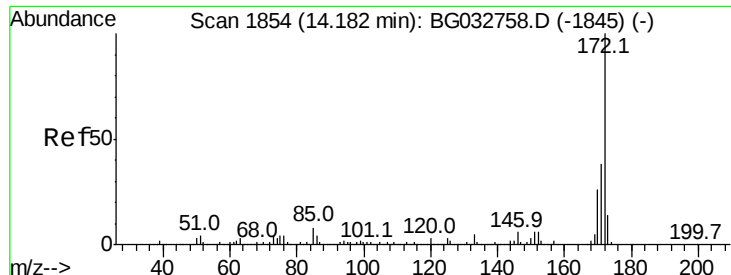


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

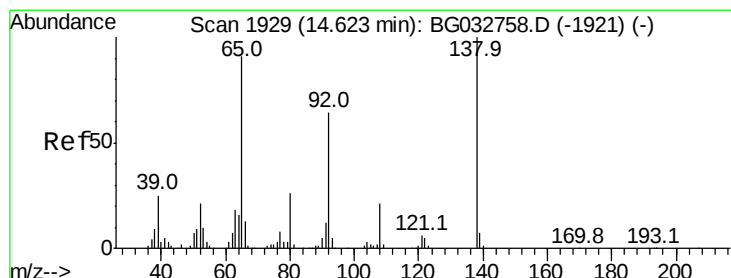
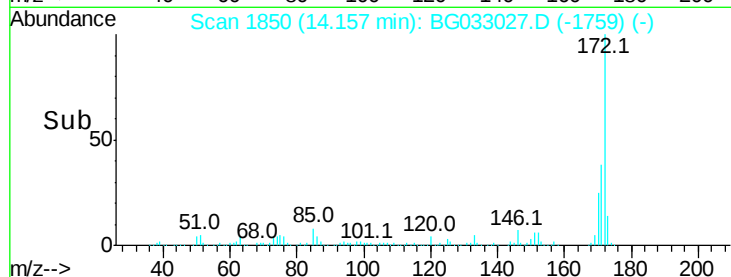
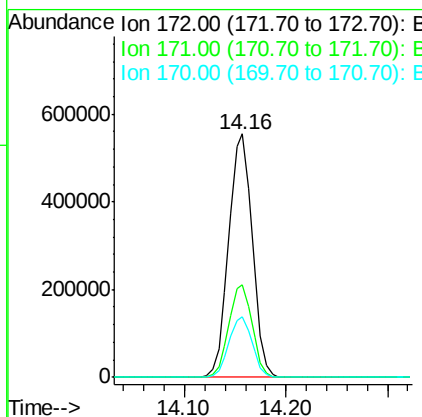
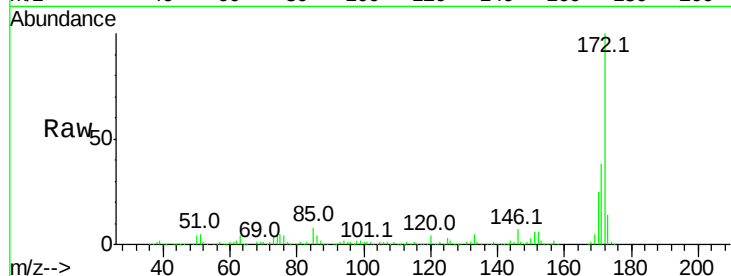




#44
2-Fluorobiphenyl
Concen: 100.461 ng
RT: 14.16 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

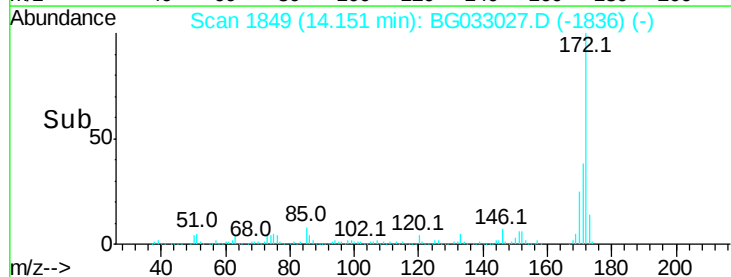
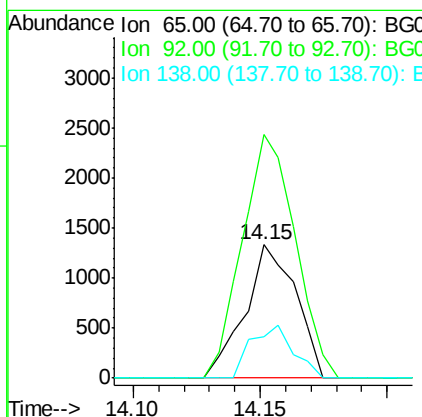
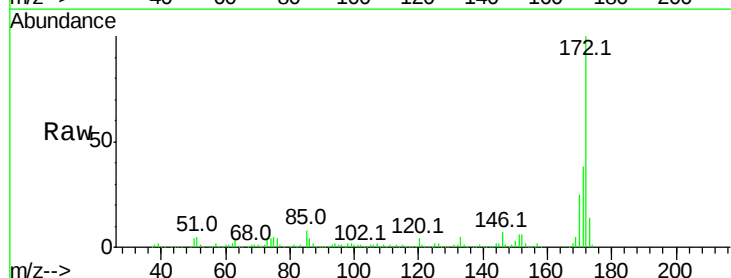
Instrument :
BNA_G
ClientSampleId :

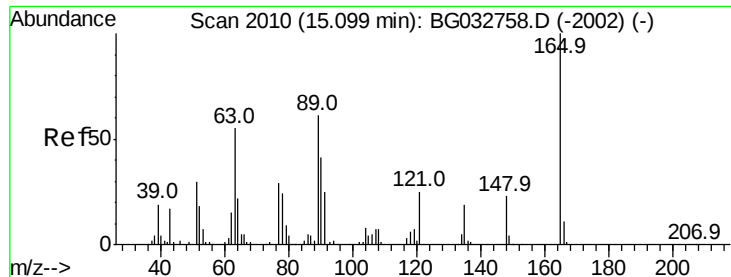
Tot Ion:172 Resp: 893647
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 24.8 19.5 29.3



#47
2-Nitroaniline
Concen: 10.536 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

Tgt Ion: 65 Resp: 1860
Ion Ratio Lower Upper
65 100
92 182.6 54.6 82.0#
138 31.3 72.9 109.3#





#50

2,6-Dinitrotoluene

Concen: 16.516 ng

RT: 15.53 min Scan# 2083

Delta R.T. 0.45 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Instrument :

BNA_G

ClientSampleId :

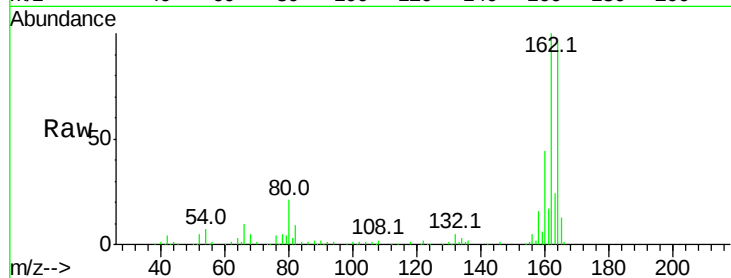
Tot Ion:165 Resp: 16861

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

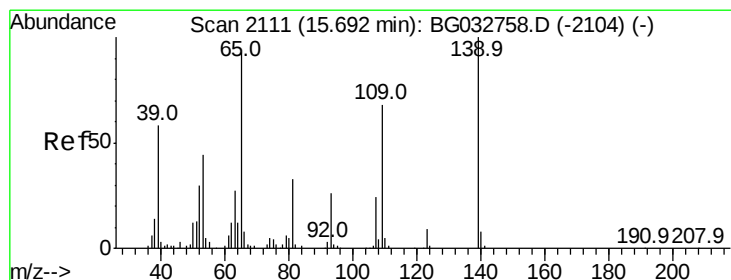
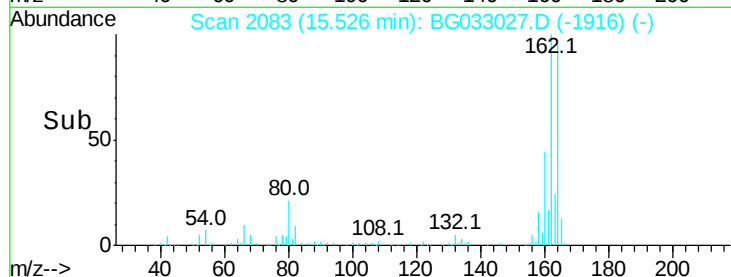
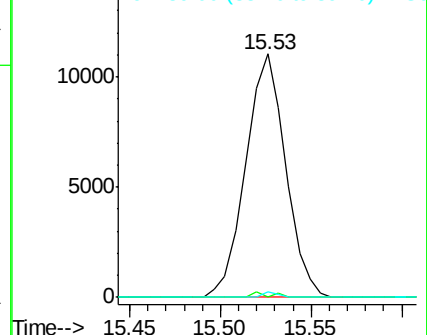
89 2.0 49.2 73.8#



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



#55

4-Nitrophenol

Concen: 7.214 ng

RT: 15.93 min Scan# 2151

Delta R.T. 0.25 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

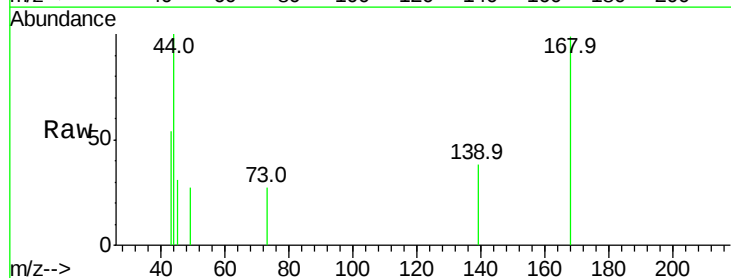
Tgt Ion:139 Resp: 261

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

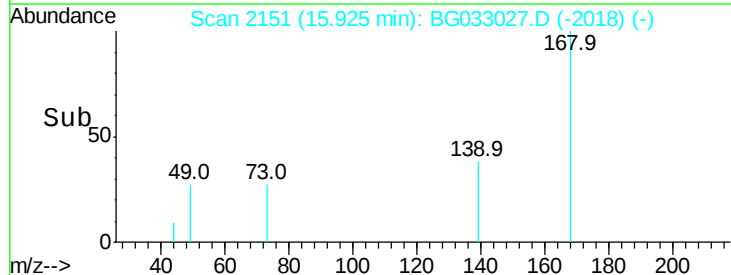
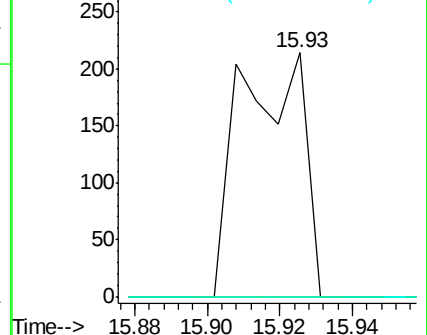
65 0.0 97.2 137.2#

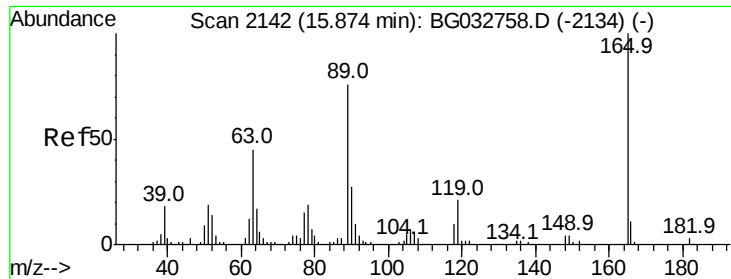


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

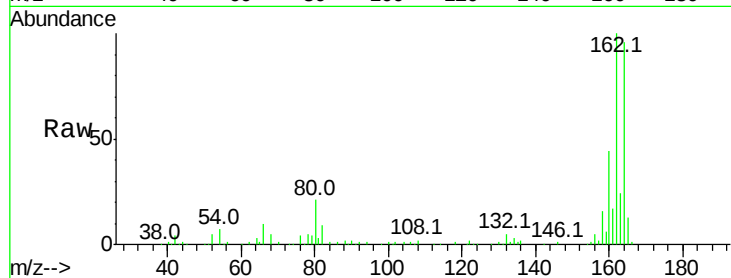




#56
2,4-Dinitrotoluene
Concen: 14.715 ng
RT: 15.53 min Scan# 2083
Delta R.T. -0.32 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16861
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.0 66.9 100.3#
182 0.0 2.6 3.8#

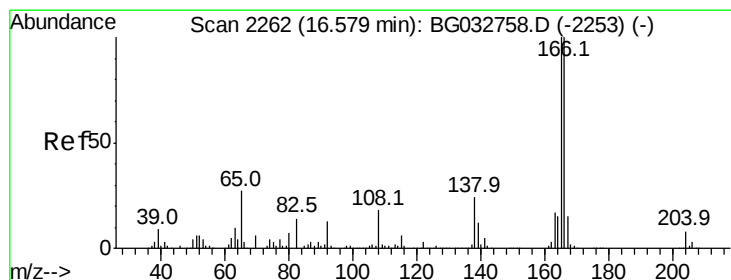
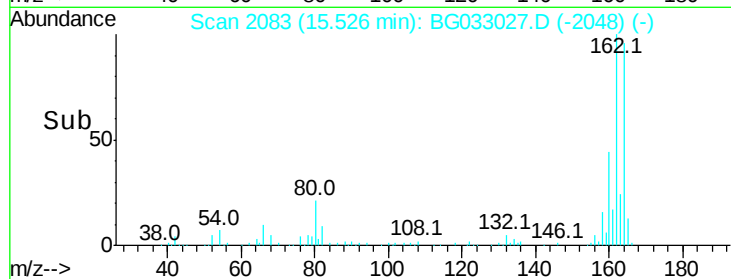
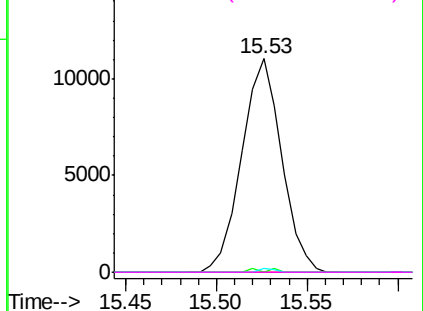


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

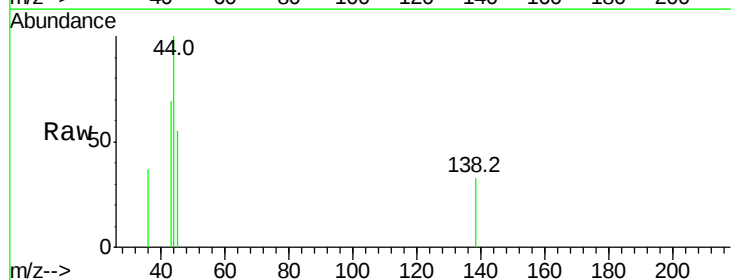
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61
4-Nitroaniline
Concen: 5.321 ng
RT: 16.08 min Scan# 2177
Delta R.T. -0.48 min
Lab File: BG033027.D
Acq: 6 Mar 2018 18:38

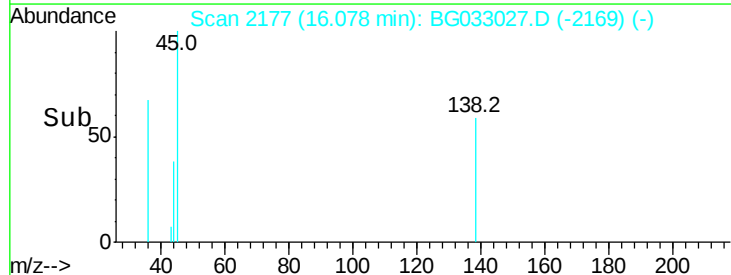
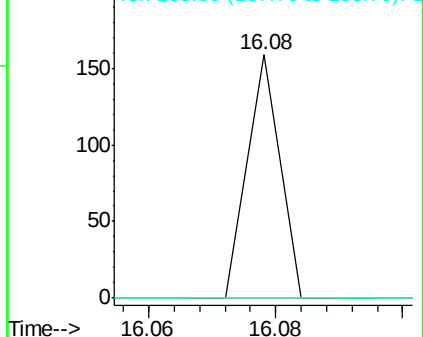
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
92 0.0 40.1 80.1#
108 0.0 65.4 105.4#

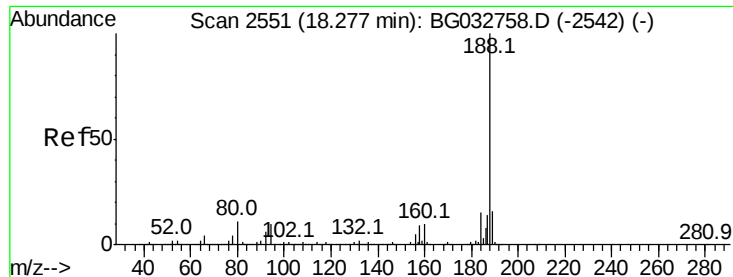


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

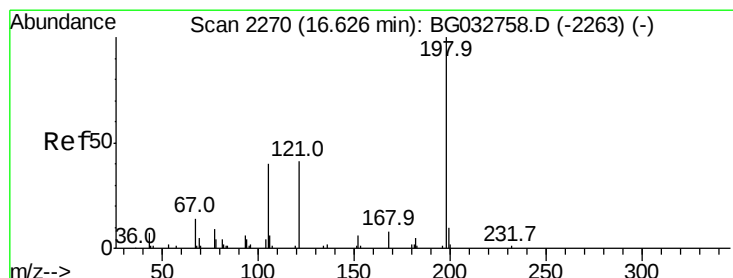
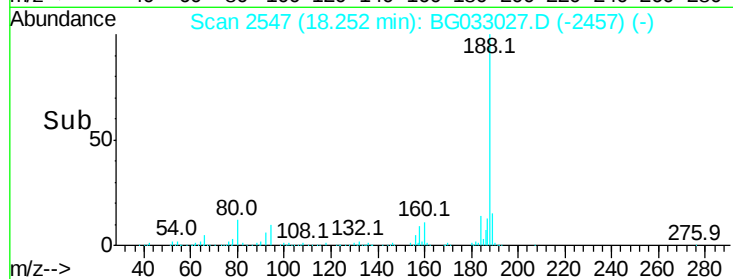
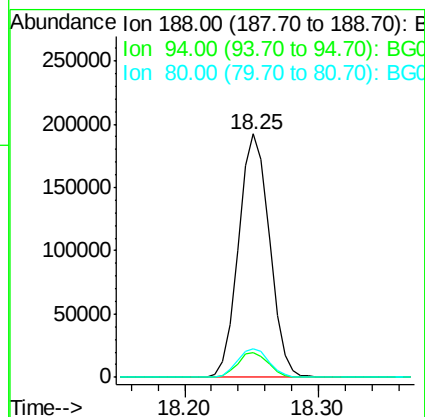
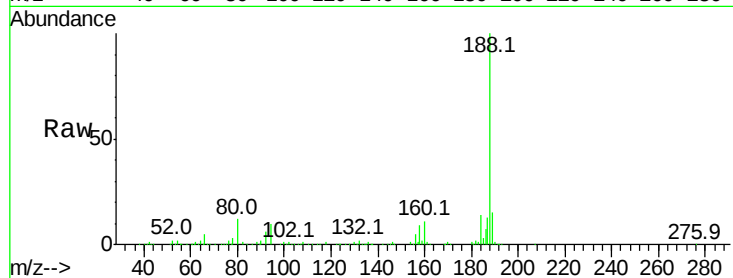




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033027.D
 Acq: 6 Mar 2018 18:38

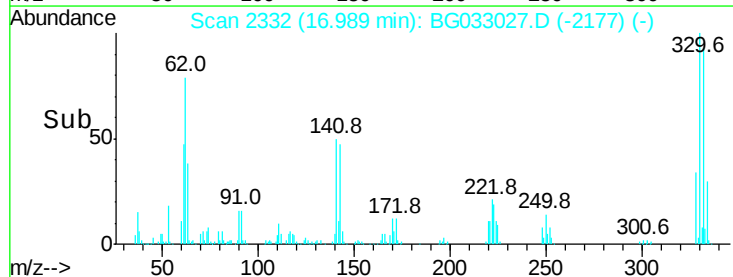
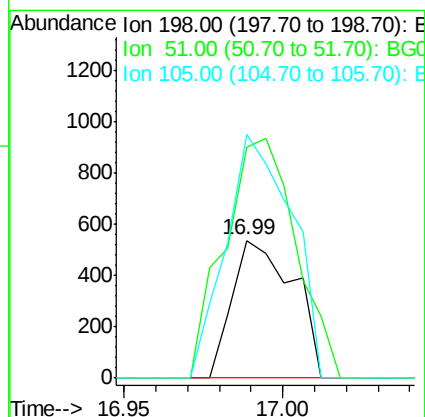
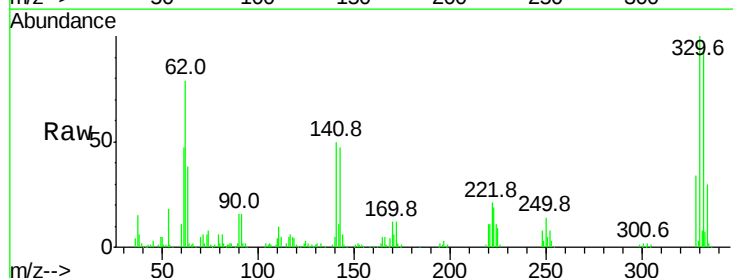
Instrument :
 BNA_G
 ClientSampled :

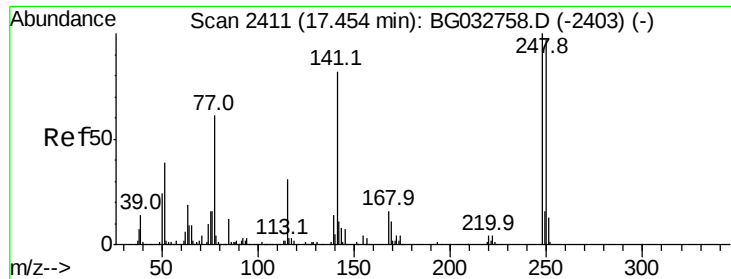
Tot Ion:188 Resp: 308503
 Ion Ratio Lower Upper
 188 100
 94 10.3 6.9 10.3#
 80 11.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.932 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. 0.38 min
 Lab File: BG033027.D
 Acq: 6 Mar 2018 18:38

Tgt Ion:198 Resp: 715
 Ion Ratio Lower Upper
 198 100
 51 168.1 30.6 70.6#
 105 177.1 23.8 63.8#

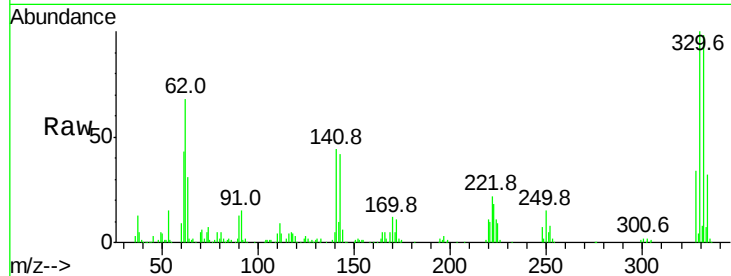




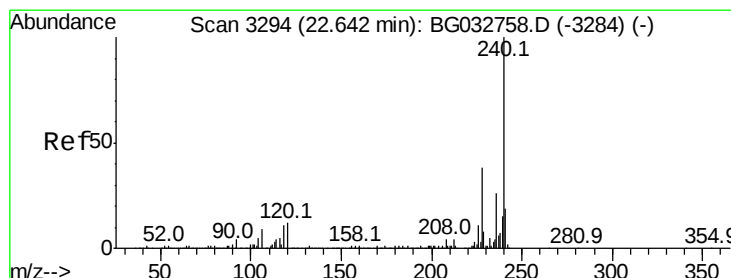
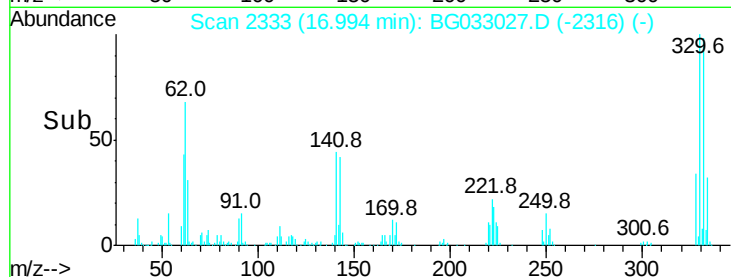
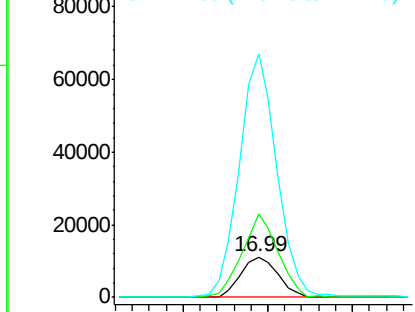
#66
 4-Bromophenyl-phenylether
 Concen: 5.192 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033027.D
 Acq: 6 Mar 2018 18:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16938
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.1 115.7#
 141 602.7 50.8 76.2#

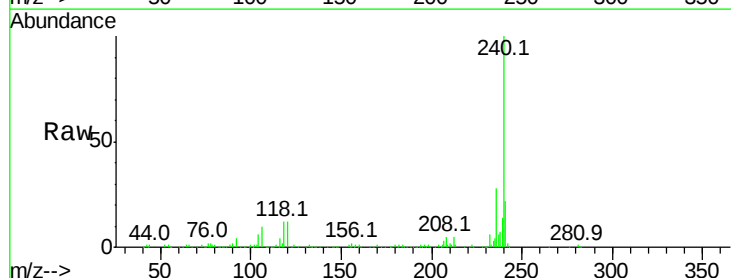


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

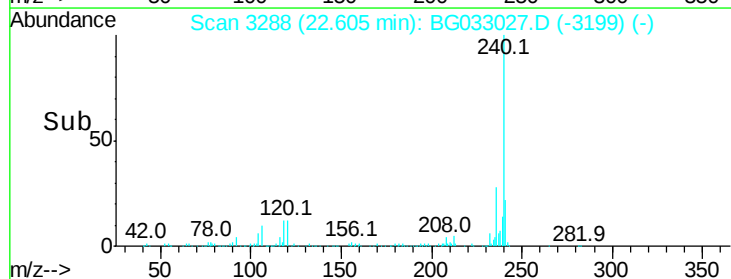
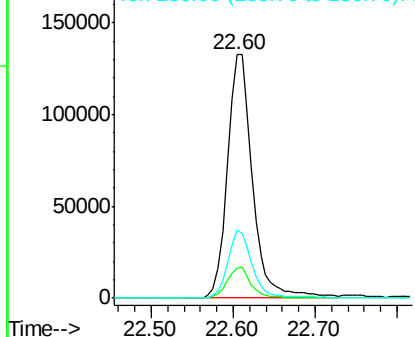


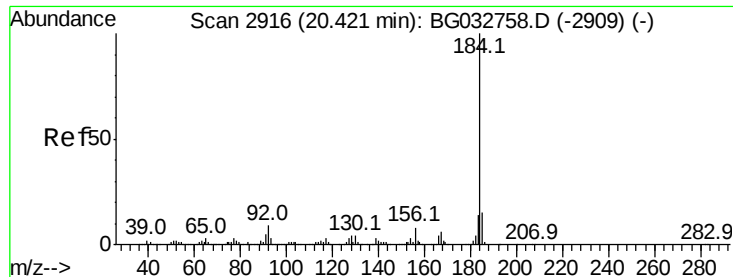
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033027.D
 Acq: 6 Mar 2018 18:38

Tgt Ion:240 Resp: 284355
 Ion Ratio Lower Upper
 240 100
 120 12.4 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: 2.519 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

Instrument :

BNA_G

ClientSampled :

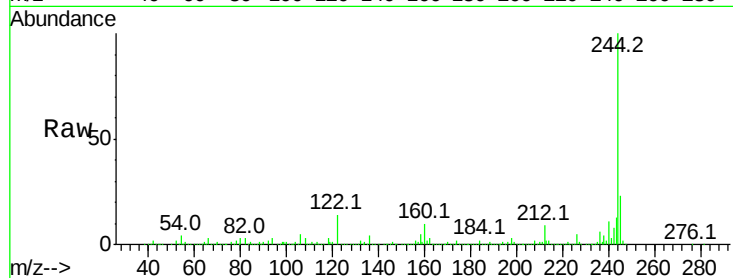
Tot Ion:184 Resp: 24412

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

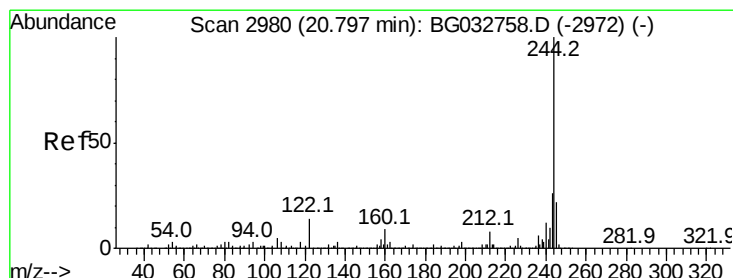
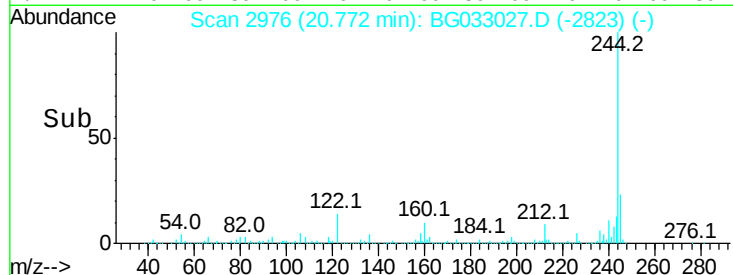
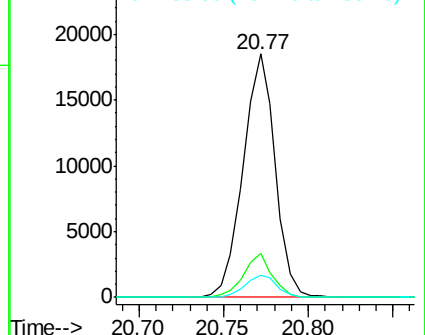
183 9.2 10.6 16.0#



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: 109.831 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033027.D

Acq: 6 Mar 2018 18:38

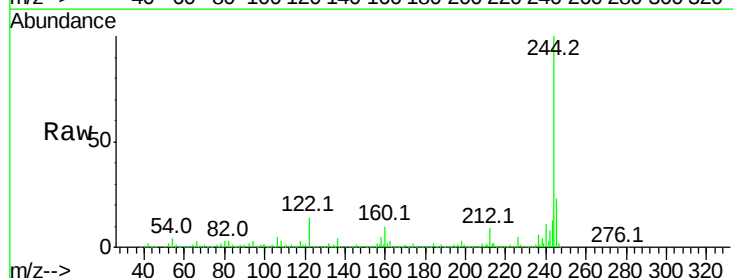
Tgt Ion:244 Resp: 1390067

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

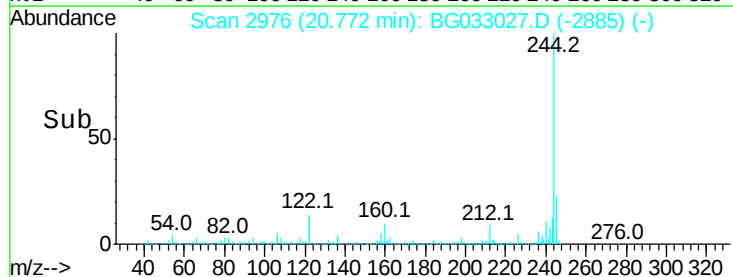
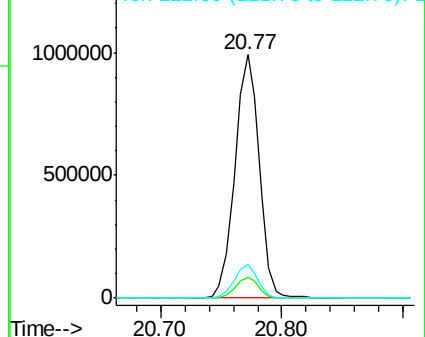
122 13.8 7.0 10.4#

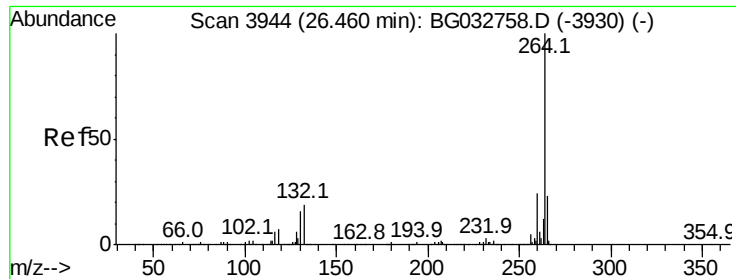


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

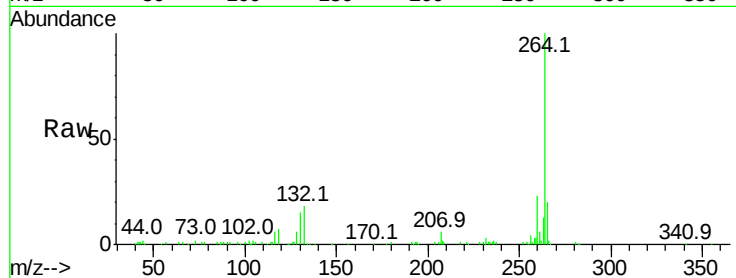




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.42 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: BG033027.D
 Acq: 6 Mar 2018 18:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	19.9	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

