

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030818\
 Data File : BG033061.D
 Acq On : 9 Mar 2018 4:47
 Operator : SJ/JU
 Sample : J1823-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 05:34:34 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

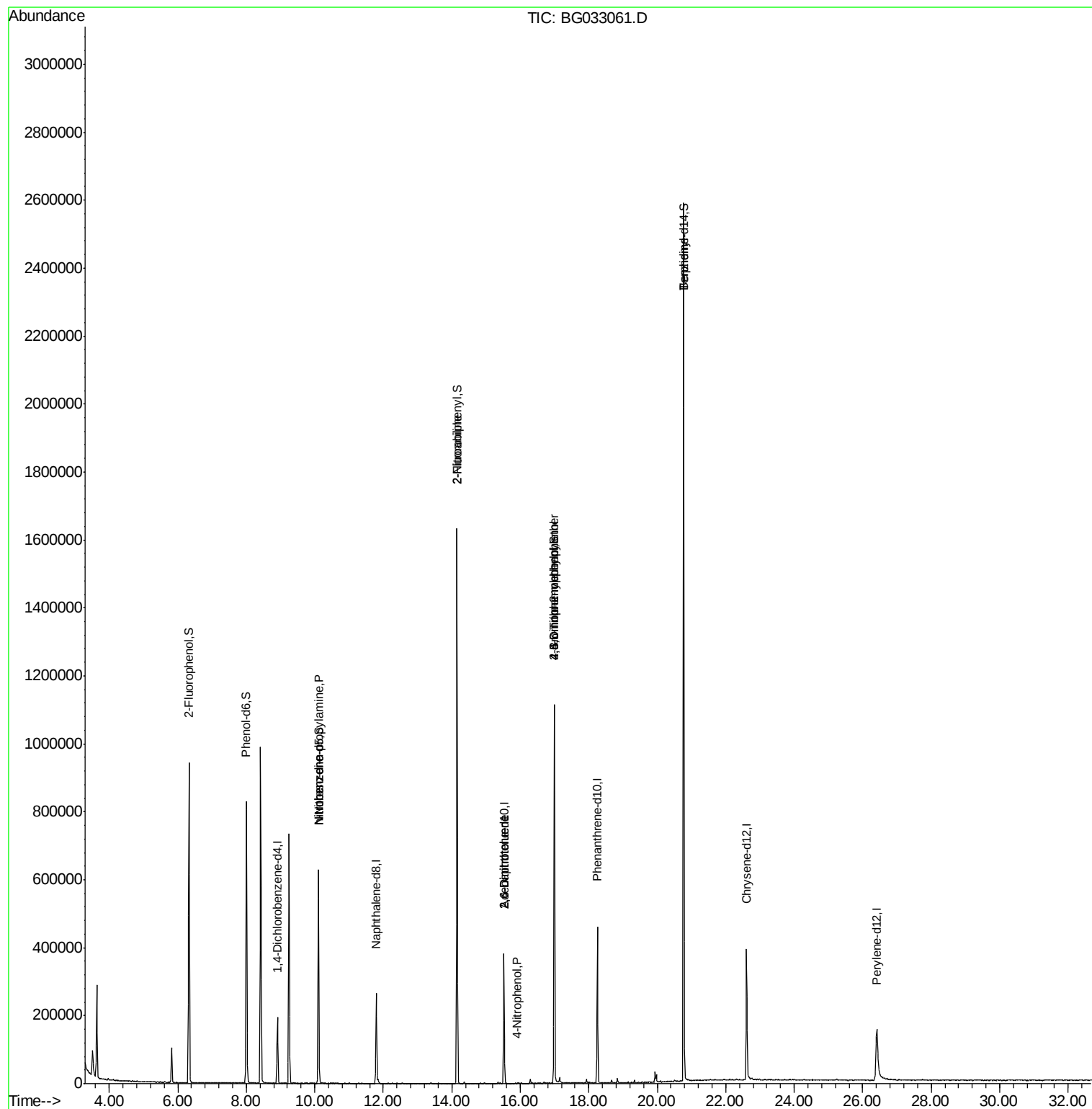
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	55201	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	235952	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	130132	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	285405	20.00	ng	0.00
75) Chrysene-d12	22.61	240	272042	20.00	ng	0.00
86) Perylene-d12	26.42	264	242586	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	426530	123.62	ng	0.00
7) Phenol-d6	8.01	99	508590	105.75	ng	0.00
23) Nitrobenzene-d5	10.11	82	389778	111.18	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	202186	147.77	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	823164	91.23	ng	0.00
78) Terphenyl-d14	20.77	244	1195560	98.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	50602	14.904	ng	# 85
24) Nitrobenzene	10.11	77	1168	6.649	ng	# 43
47) 2-Nitroaniline	14.15	65	1487	10.388	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	16784	16.374	ng	# 21
55) 4-Nitrophenol	15.91	139	190	7.176	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	16784	14.572	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.99	198	452	5.622	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	14566	4.827	ng	# 1
76) Benzidine	20.77	184	21467	2.315	ng	# 91

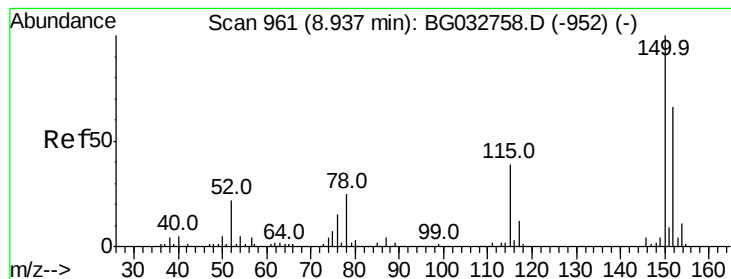
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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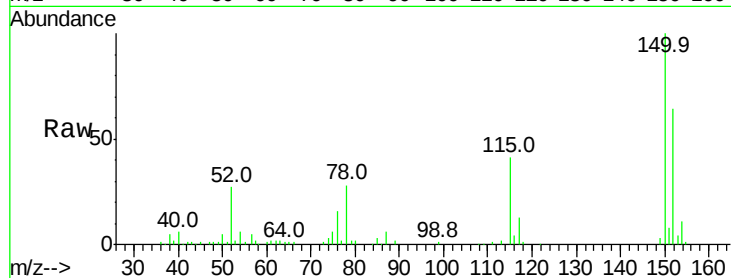


#1

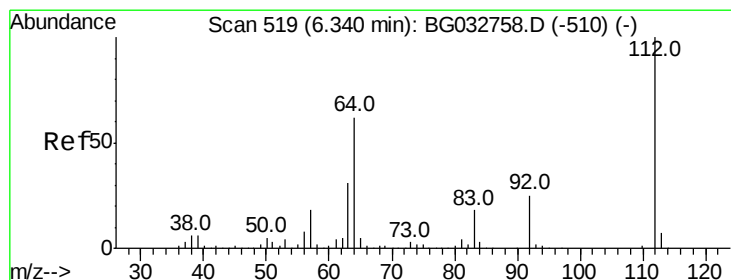
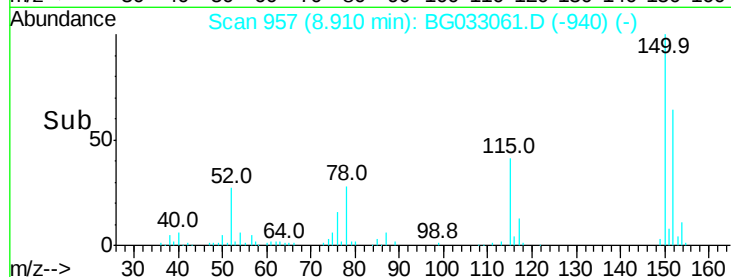
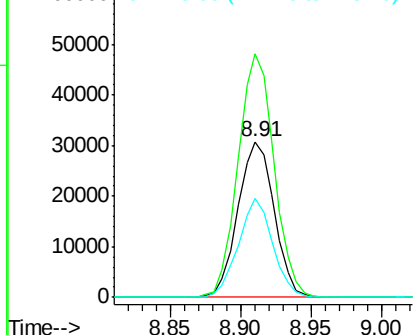
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55201
Ion Ratio Lower Upper
152 100
150 156.3 126.6 189.8
115 63.6 53.0 79.4



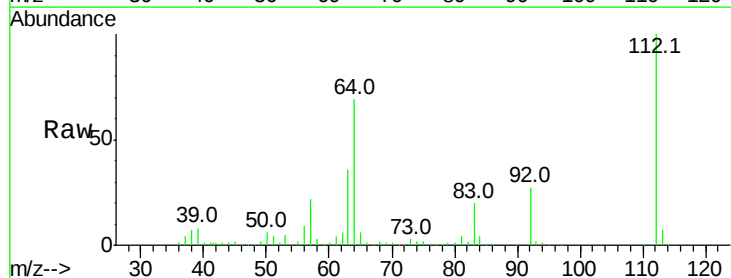
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



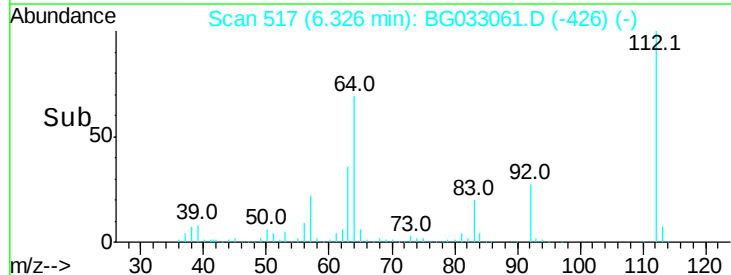
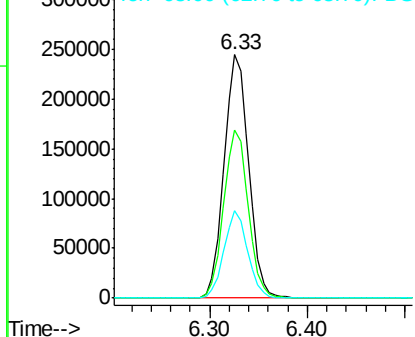
#5

2-Fluorophenol
Concen: 123.618 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Tgt Ion:112 Resp: 426530
Ion Ratio Lower Upper
112 100
64 69.2 56.3 84.5
63 36.1 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: 105.750 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

Instrument :

BNA_G

ClientSampleId :

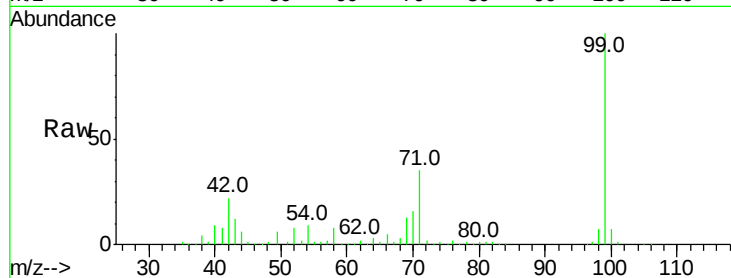
Tot Ion: 99 Resp: 508590

Ion Ratio Lower Upper

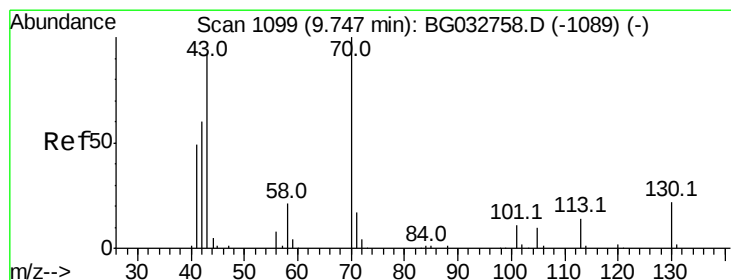
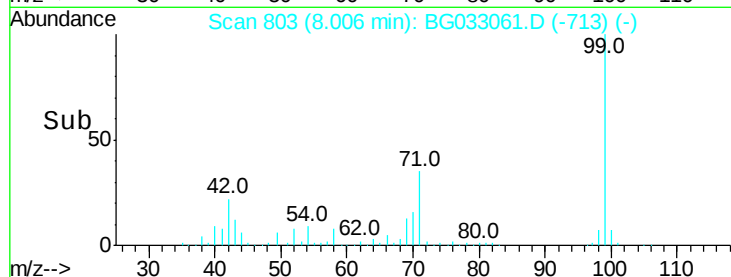
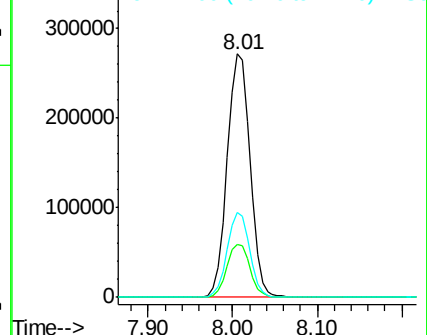
99 100

42 21.9 14.1 21.1#

71 34.9 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: 14.904 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

Tgt Ion: 70 Resp: 50602

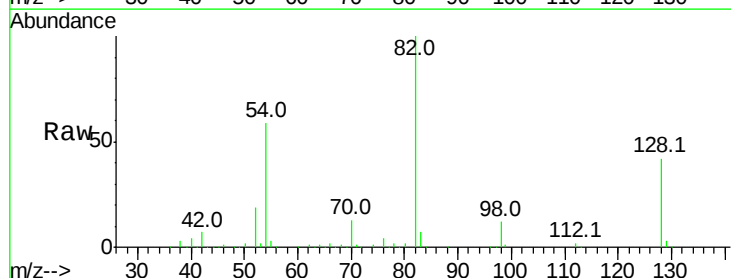
Ion Ratio Lower Upper

70 100

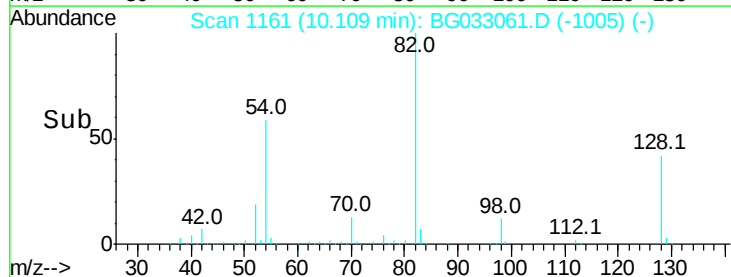
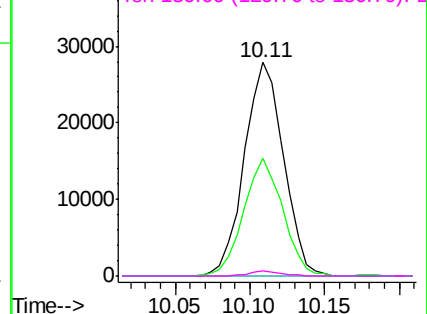
42 55.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.4 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

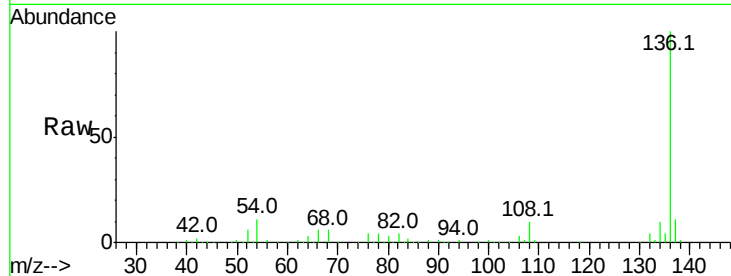




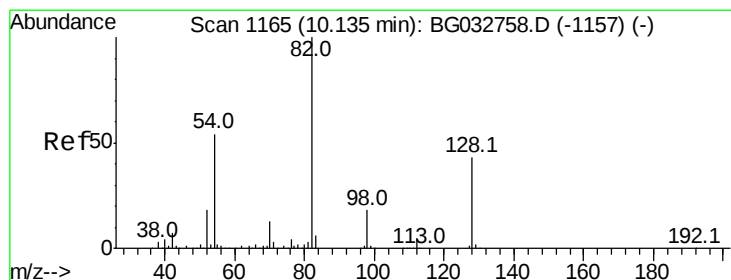
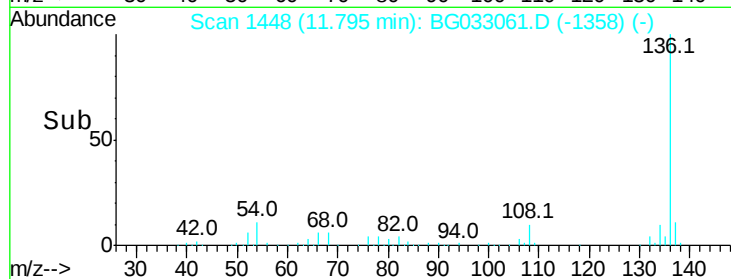
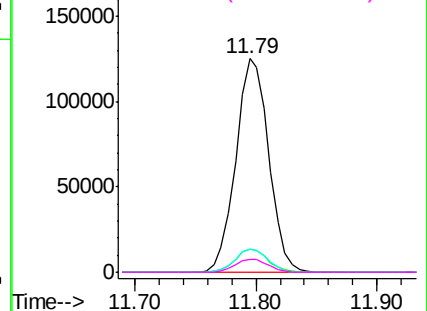
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	235952
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	11.1	10.3	15.5
68	6.3	4.5	6.7

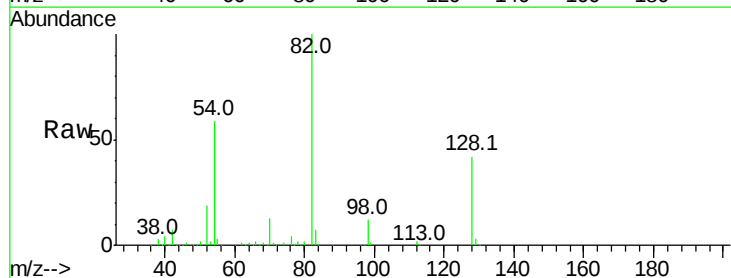


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

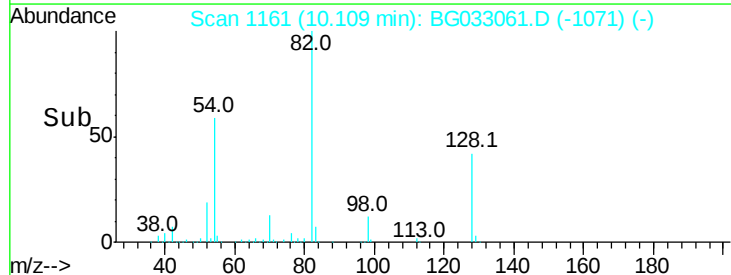
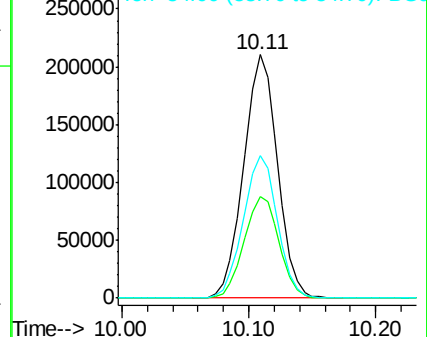


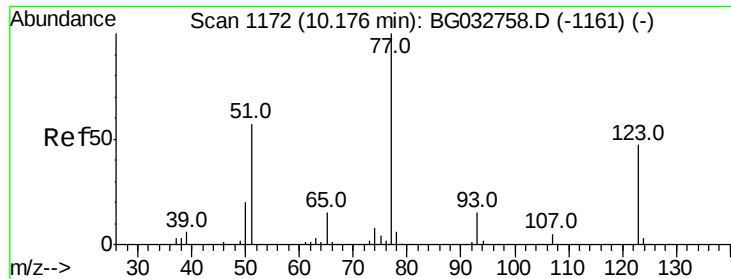
#23
Nitrobenzene-d5
Concen: 111.180 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Tgt Ion:	82	Resp:	389778
Ion	Ratio	Lower	Upper
82	100		
128	41.7	29.7	44.5
54	58.7	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.649 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.04 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

Instrument :

BNA_G

ClientSampleId :

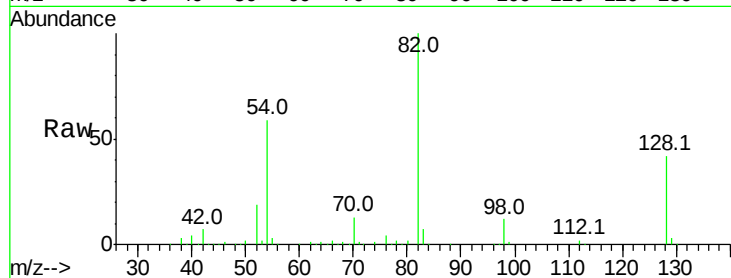
Tot Ion: 77 Resp: 1168

Ion Ratio Lower Upper

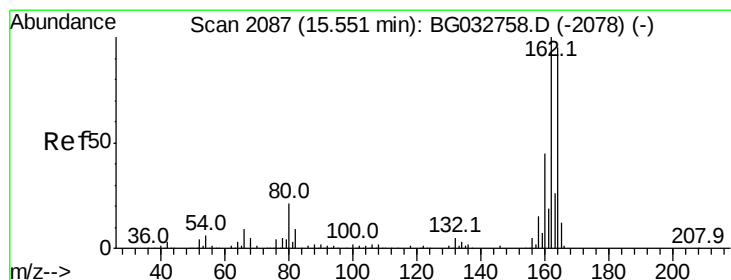
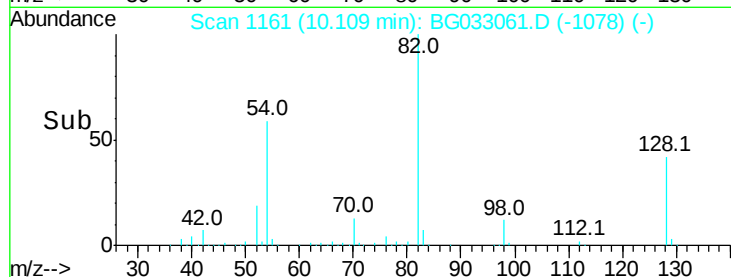
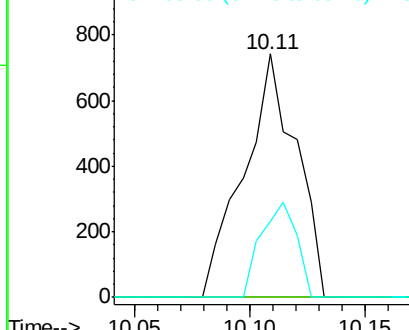
77 100

123 0.0 33.0 49.6#

65 31.3 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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

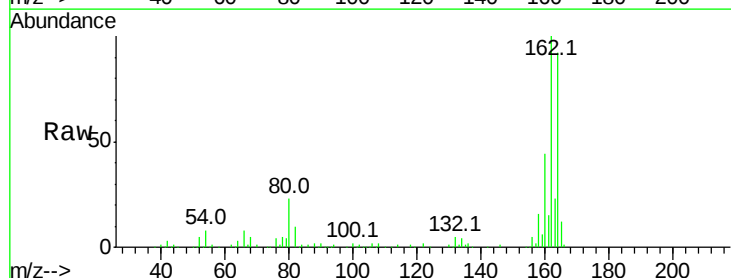
Tgt Ion:164 Resp: 130132

Ion Ratio Lower Upper

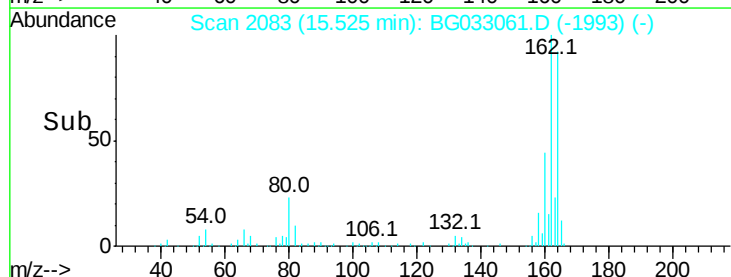
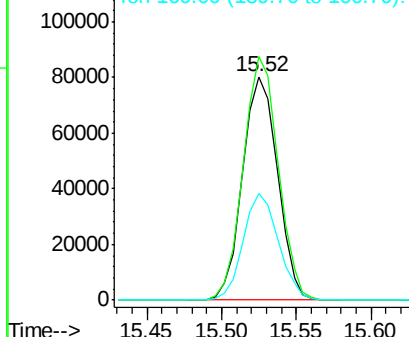
164 100

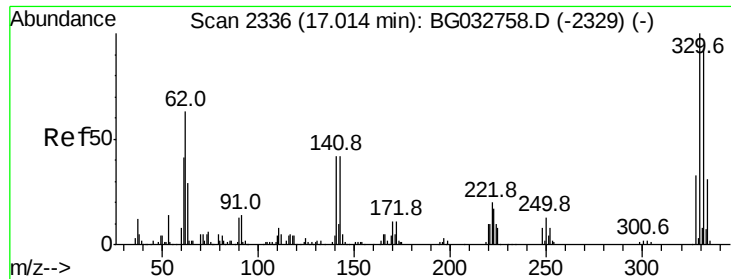
162 109.0 78.8 118.2

160 47.9 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC

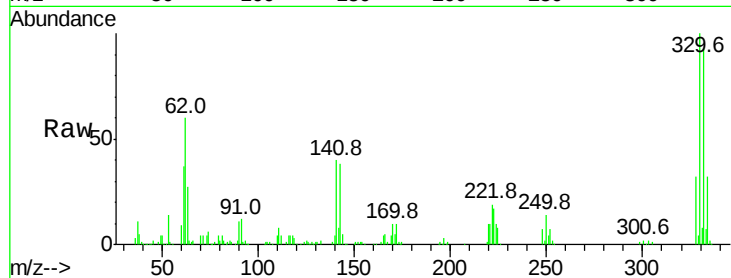




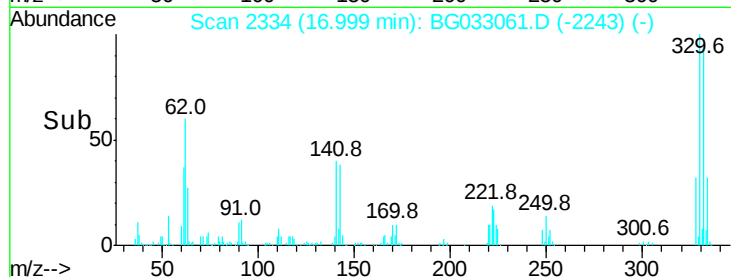
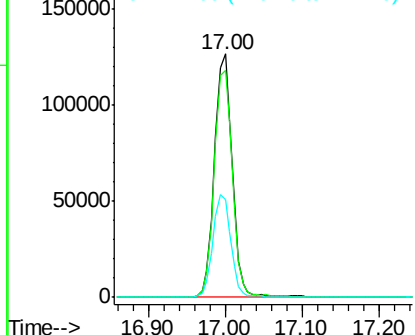
#41
 2,4,6-Tribromophenol
 Concen: 147.765 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. 0.00 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 202186
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 42.6 25.2 37.8#

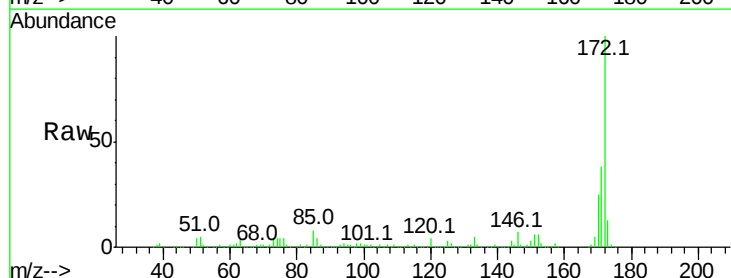


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

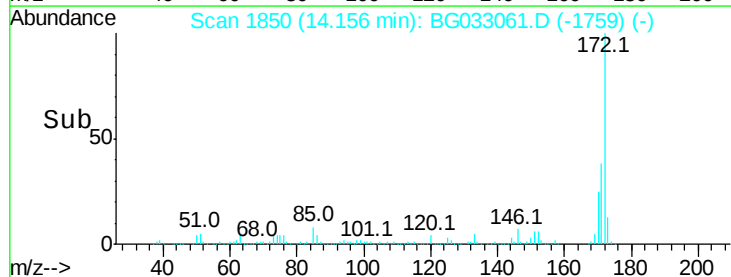
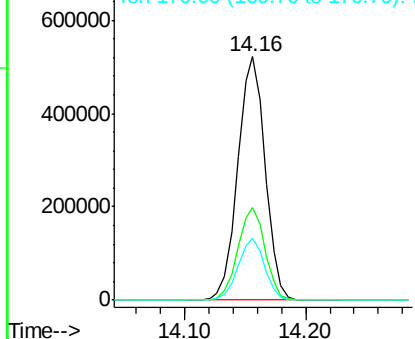


#44
 2-Fluorobiphenyl
 Concen: 91.231 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

Tgt Ion:172 Resp: 823164
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 25.2 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

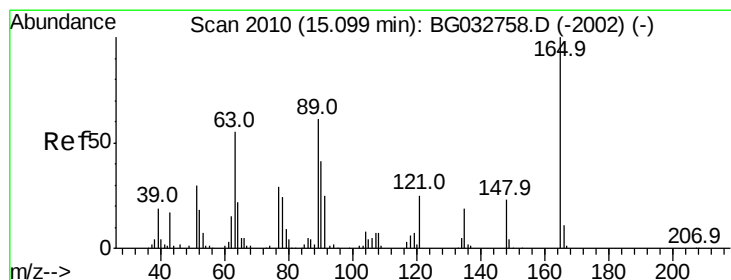
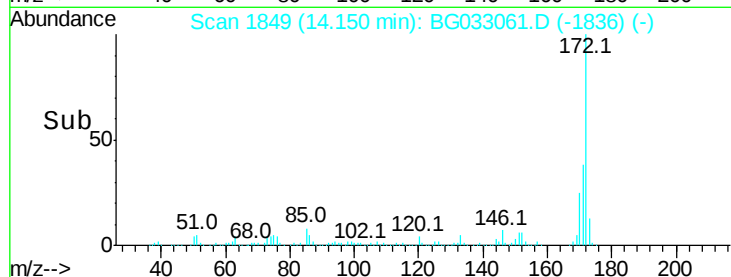
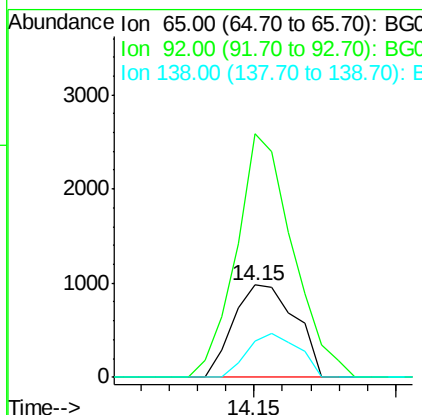
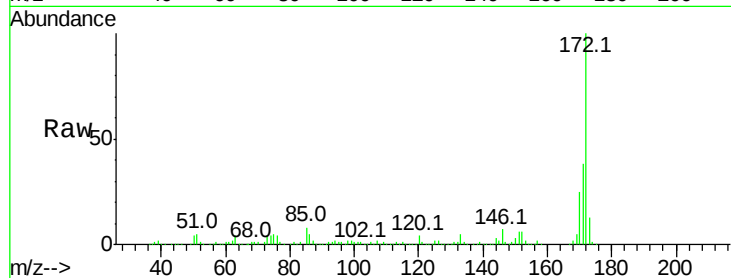




#47
 2-Nitroaniline
 Concen: 10.388 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.46 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

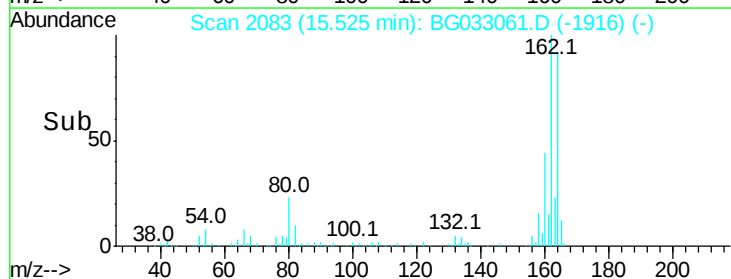
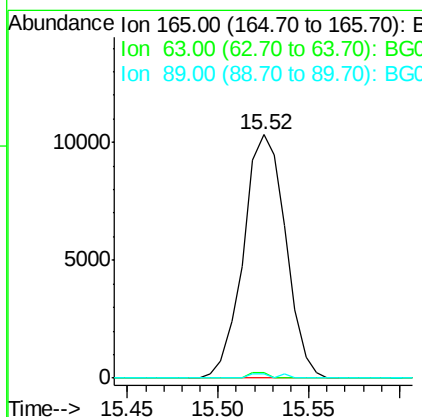
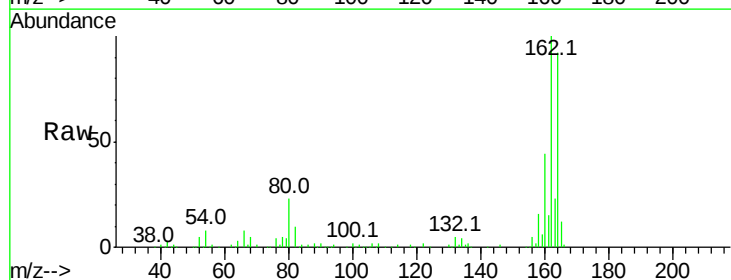
Instrument :
 BNA_G
 ClientSampleId :

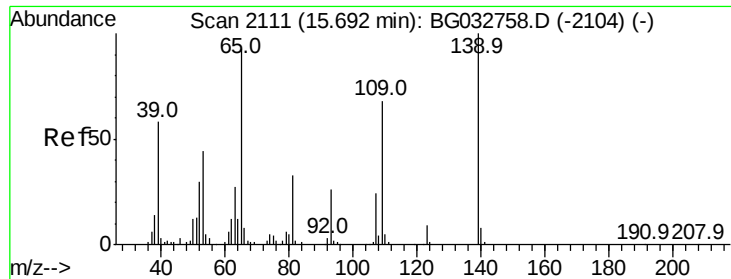
Tot Ion: 65 Resp: 1487
 Ion Ratio Lower Upper
 65 100
 92 263.6 54.6 82.0#
 138 39.8 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.374 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. 0.45 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

Tgt Ion:165 Resp: 16784
 Ion Ratio Lower Upper
 165 100
 63 2.5 52.7 79.1#
 89 2.0 49.2 73.8#

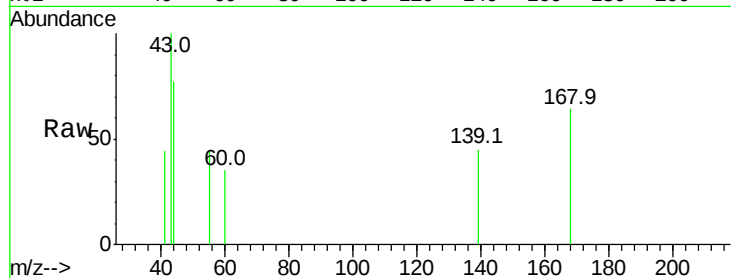




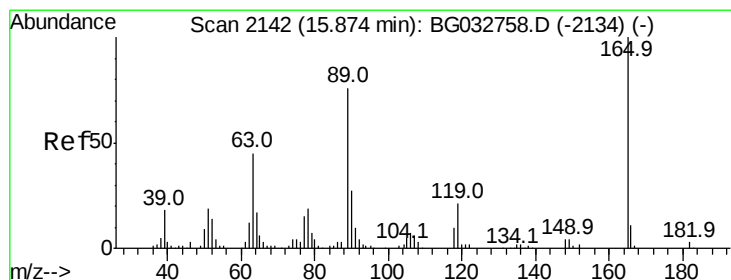
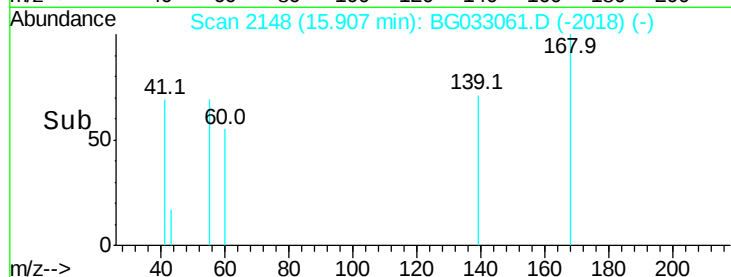
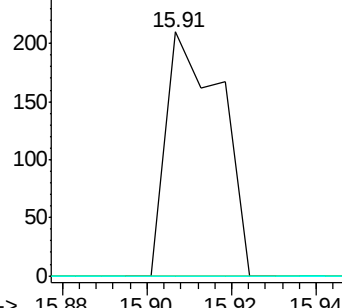
#55
4-Nitrophenol
Concen: 7.176 ng
RT: 15.91 min Scan# 2148
Delta R.T. 0.23 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Instrument :
BNA_G
ClientSampled :

Tot Ion:139 Resp: 190
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#

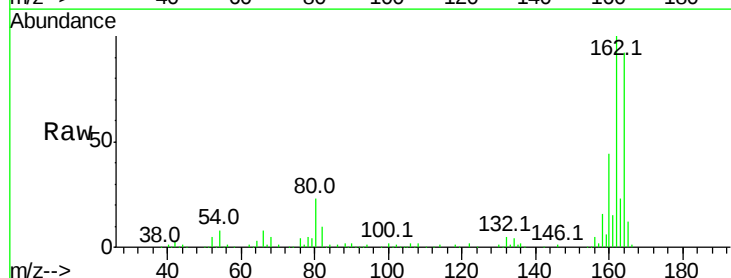


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

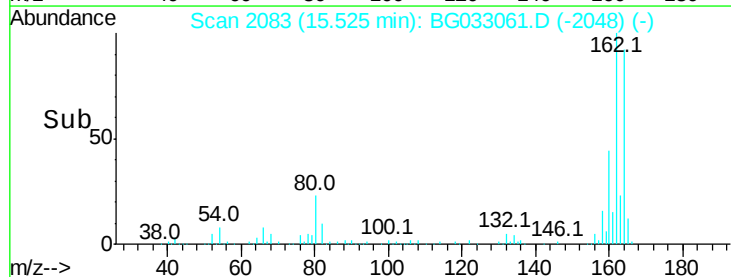
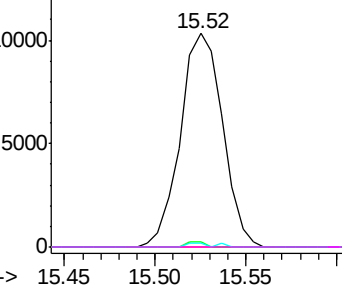


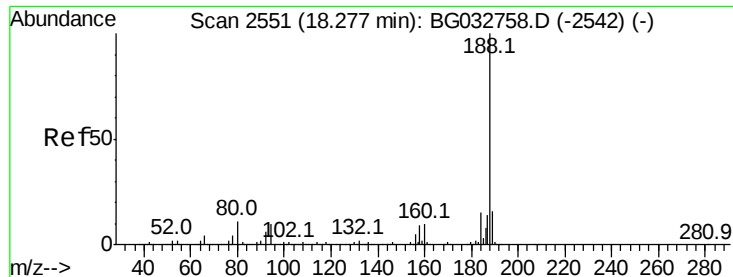
#56
2,4-Dinitrotoluene
Concen: 14.572 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Tgt Ion:165 Resp: 16784
Ion Ratio Lower Upper
165 100
63 2.5 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.25 min Scan# 2547

Delta R.T. -0.00 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

Instrument :

BNA_G

ClientSampleId :

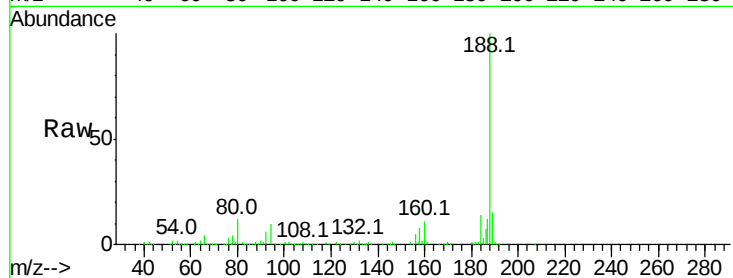
Tot Ion:188 Resp: 285405

Ion Ratio Lower Upper

188 100

94 10.2 6.9 10.3

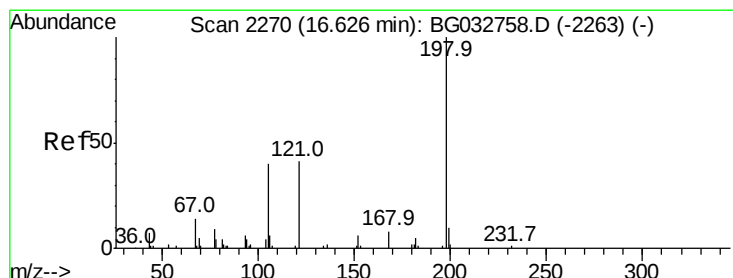
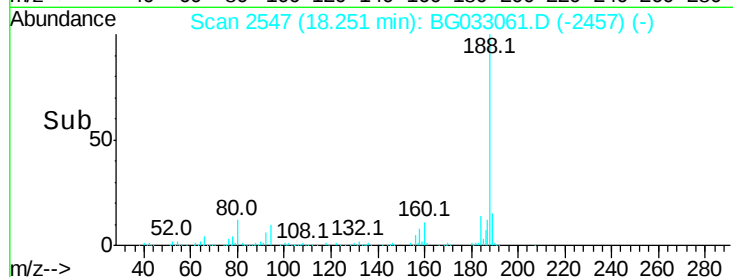
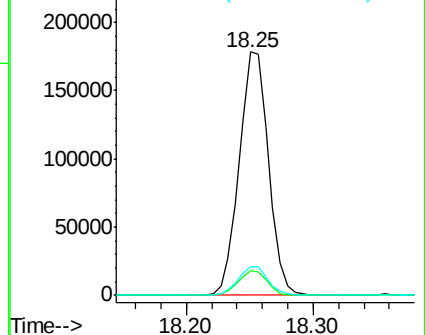
80 12.0 7.7 11.5#



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: 5.622 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

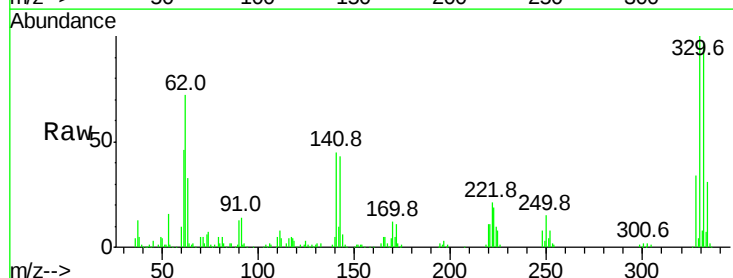
Tgt Ion:198 Resp: 452

Ion Ratio Lower Upper

198 100

51 180.0 30.6 70.6#

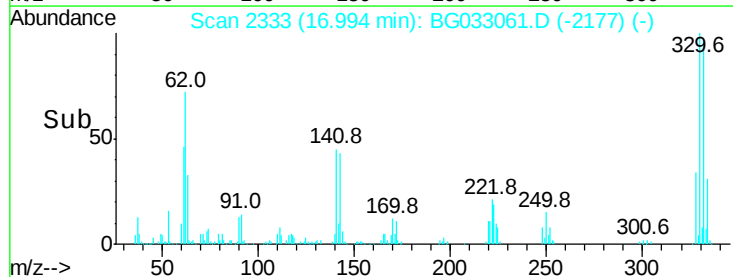
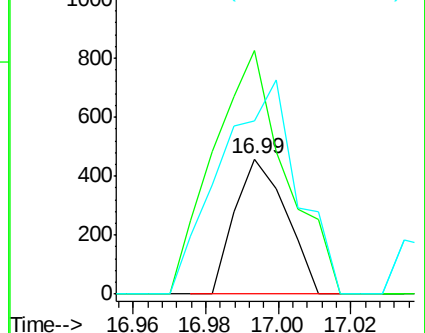
105 127.9 23.8 63.8#

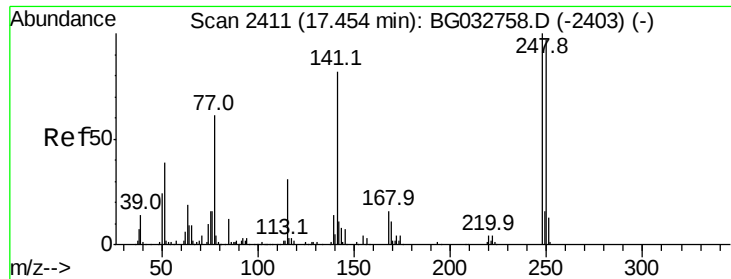


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

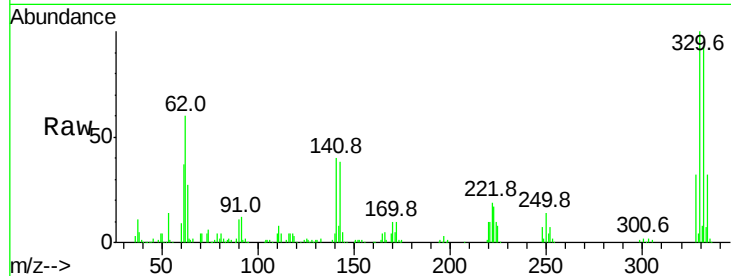




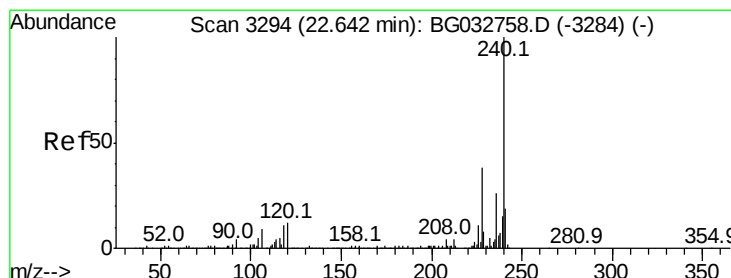
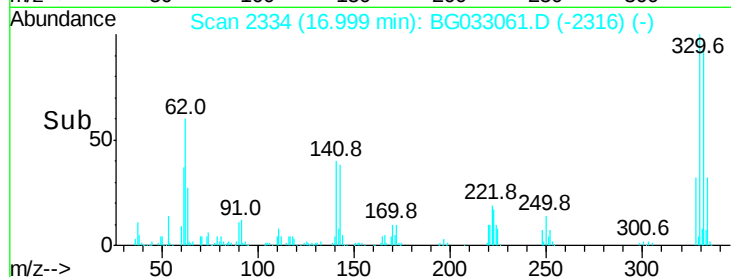
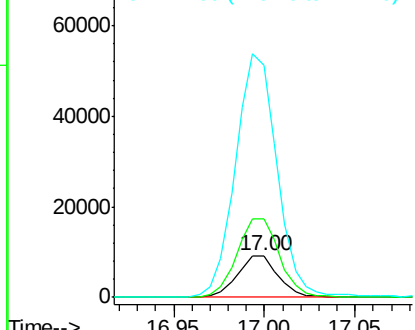
#66
 4-Bromophenyl-phenylether
 Concen: 4.827 ng
 RT: 17.00 min Scan# 2334
 Delta R.T. -0.43 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14566
 Ion Ratio Lower Upper
 248 100
 250 186.5 77.1 115.7#
 141 552.9 50.8 76.2#

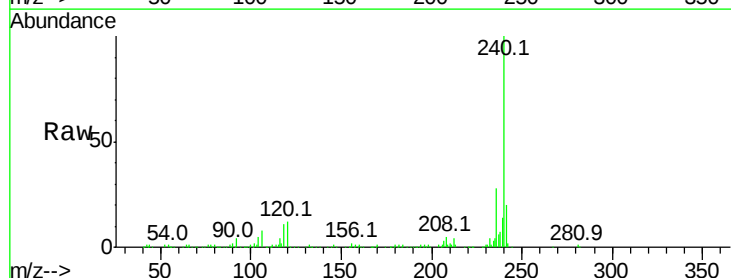


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

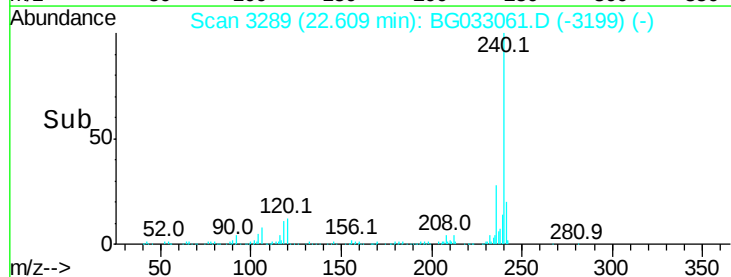
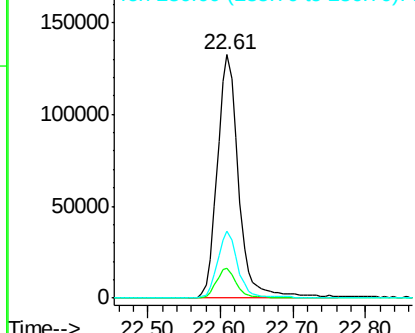


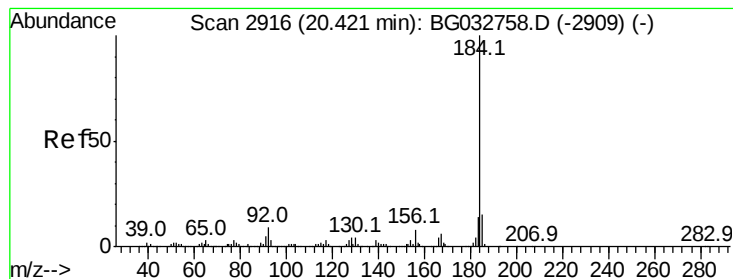
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: BG033061.D
 Acq: 9 Mar 2018 4:47

Tgt Ion:240 Resp: 272042
 Ion Ratio Lower Upper
 240 100
 120 12.3 6.8 10.2#
 236 27.8 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: 2.315 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

Instrument :

BNA_G

ClientSampleId :

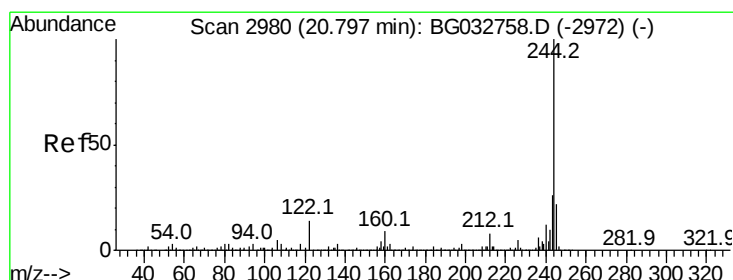
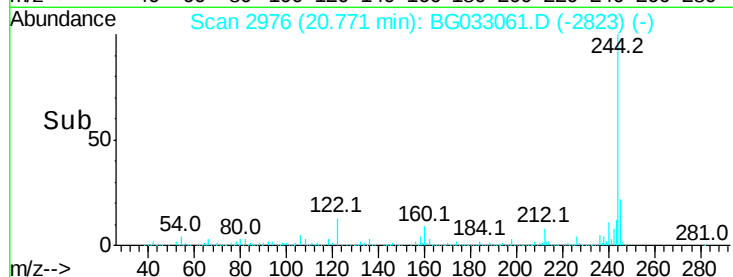
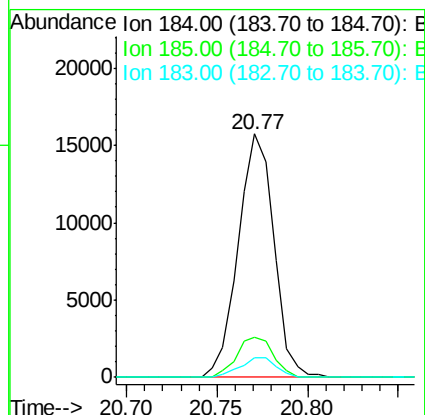
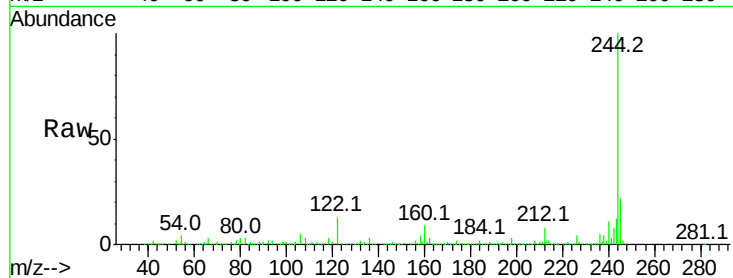
Tot Ion:184 Resp: 21467

Ion Ratio Lower Upper

184 100

185 16.4 11.1 16.7

183 8.3 10.6 16.0#



#78

Terphenyl-d14

Concen: 98.738 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033061.D

Acq: 9 Mar 2018 4:47

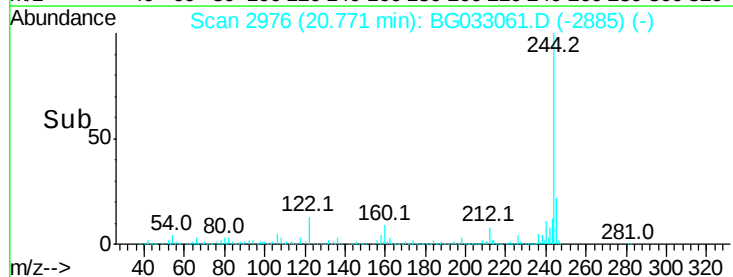
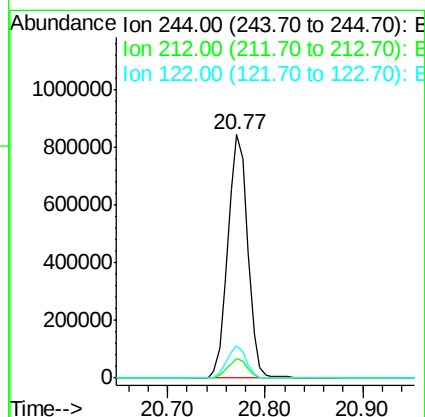
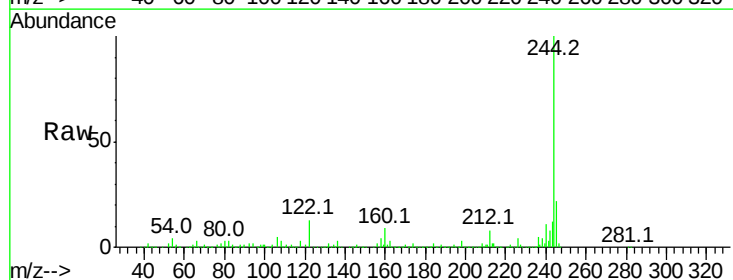
Tgt Ion:244 Resp: 1195560

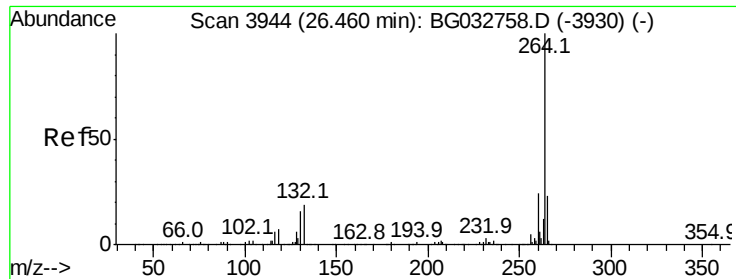
Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

122 13.2 7.0 10.4#

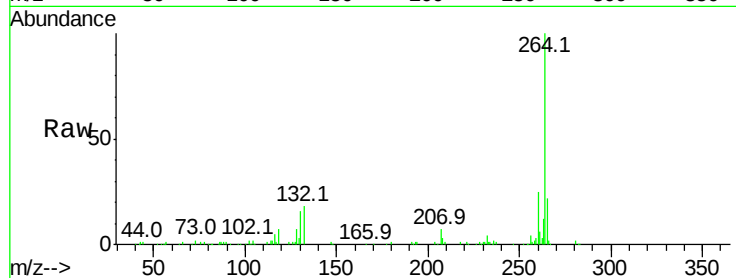




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.42 min Scan# 3937
Delta R.T. 0.01 min
Lab File: BG033061.D
Acq: 9 Mar 2018 4:47

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	22.2	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

