

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG033007.D
 Acq On : 6 Mar 2018 3:23
 Operator : SJ/JU
 Sample : J1699-84
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 06 06:56:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

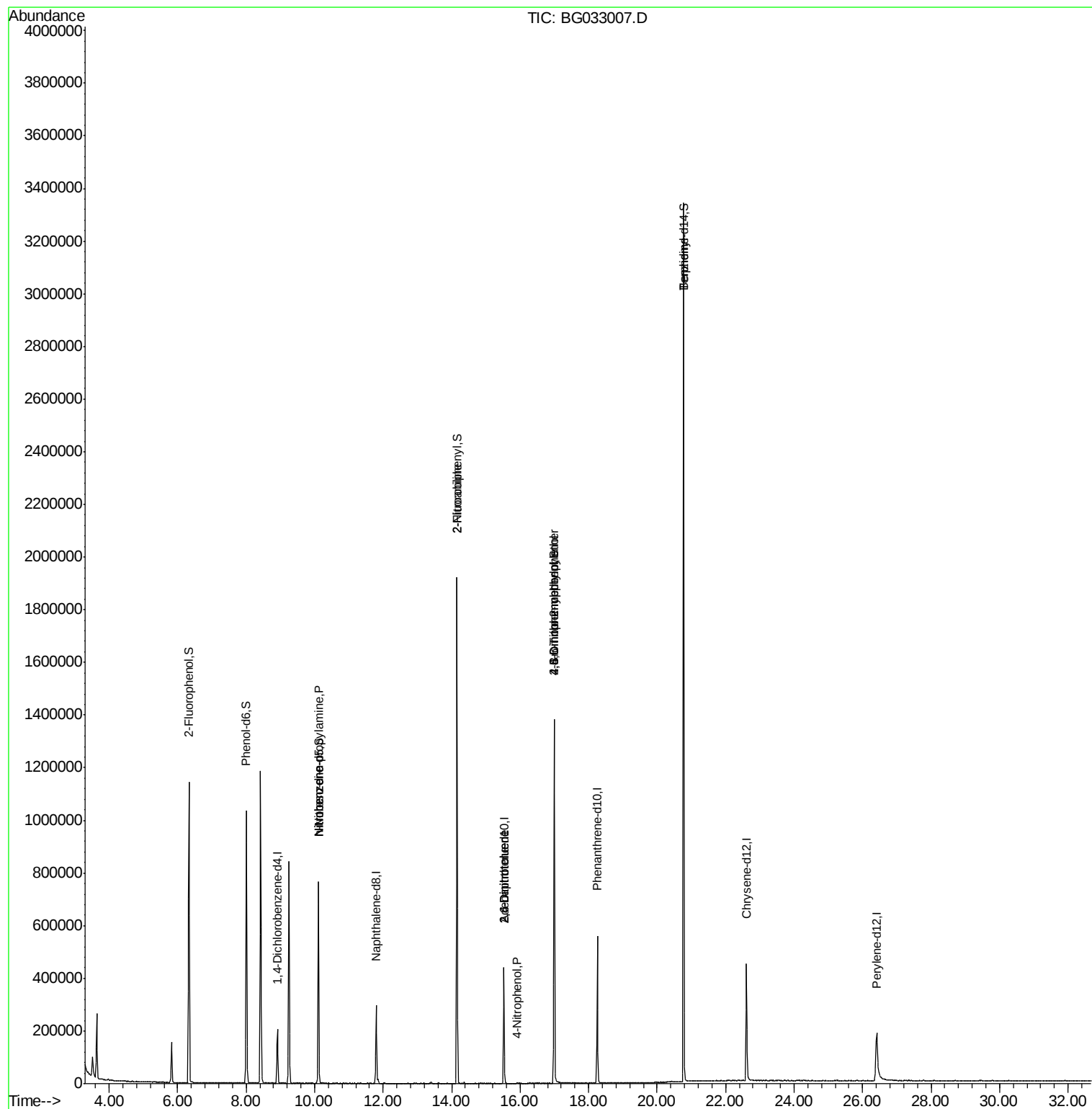
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	60775	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	268719	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	150262	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	341119	20.00	ng	0.00
75) Chrysene-d12	22.61	240	315865	20.00	ng	-0.01
86) Perylene-d12	26.41	264	289135	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	518856	136.58	ng	0.00
7) Phenol-d6	8.01	99	628190	118.64	ng	0.00
23) Nitrobenzene-d5	10.11	82	468728	116.84	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	240159	152.00	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	983443	94.39	ng	-0.01
78) Terphenyl-d14	20.77	244	1477990	105.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	61281	16.394	ng	# 84
24) Nitrobenzene	10.11	77	1265	6.636	ng	# 37
47) 2-Nitroaniline	14.16	65	1816	10.419	ng	# 1
50) 2,6-Dinitrotoluene	15.53	165	19537	16.435	ng	# 21
55) 4-Nitrophenol	15.92	139	677	7.376	ng	# 1
56) 2,4-Dinitrotoluene	15.53	165	19537	14.633	ng	# 19
64) 4,6-Dinitro-2-methylphenol	17.00	198	710	5.833	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16596	4.601	ng	# 1
76) Benzidine	20.77	184	26331	2.446	ng	# 90

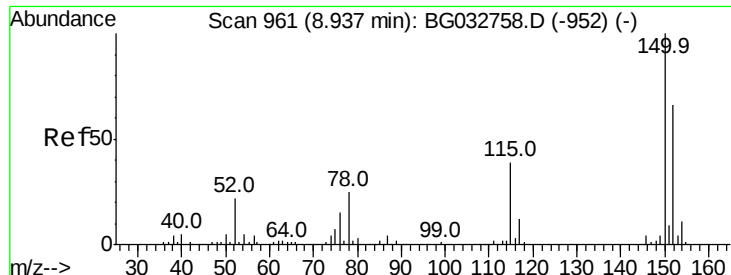
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030518\
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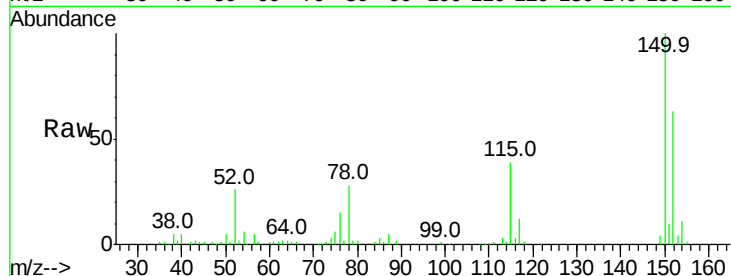


#1

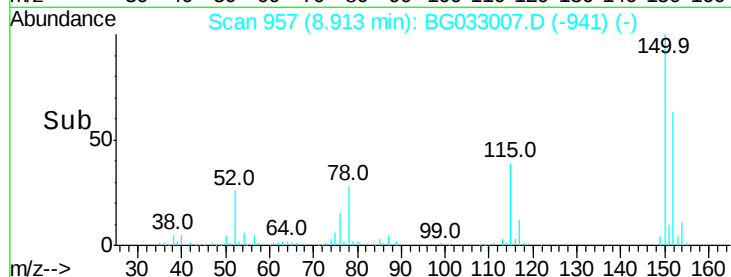
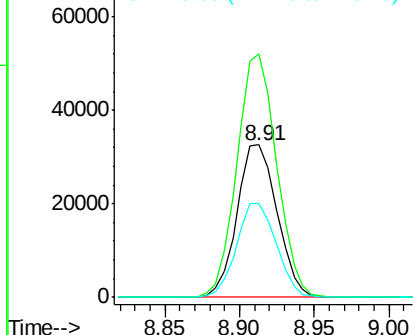
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 60775
Ion Ratio Lower Upper
152 100
150 159.5 126.6 189.8
115 61.5 53.0 79.4



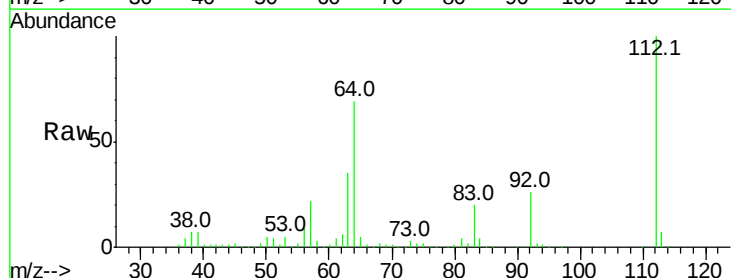
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



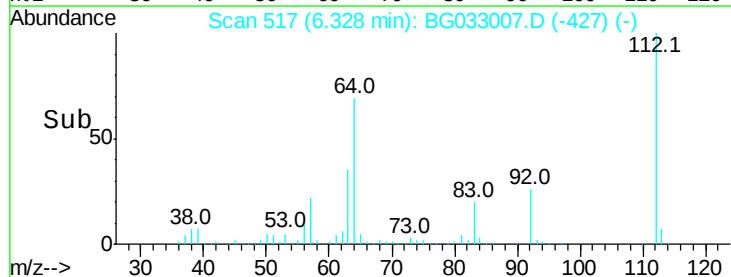
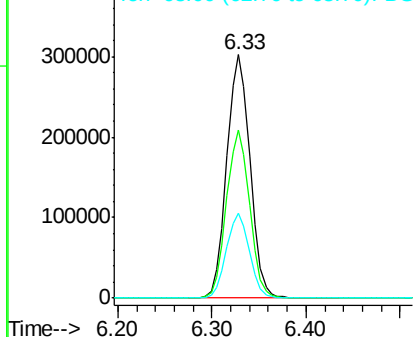
#5

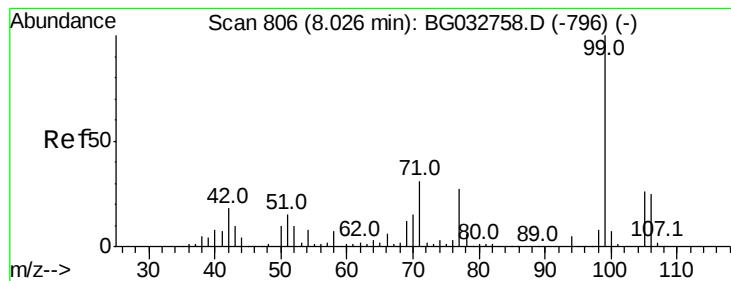
2-Fluorophenol
Concen: 136.585 ng
RT: 6.33 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Tgt Ion:112 Resp: 518856
Ion Ratio Lower Upper
112 100
64 69.0 56.3 84.5
63 34.7 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: 118.639 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.01 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Instrument :

BNA_G

ClientSampleId :

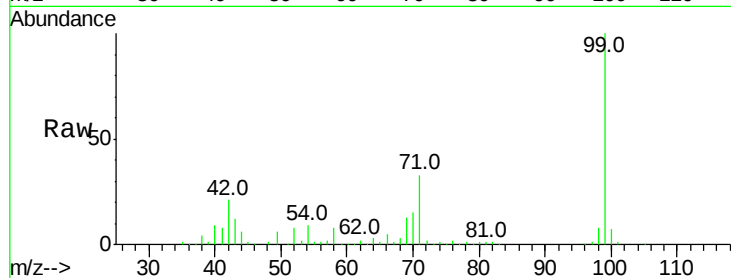
Tot Ion: 99 Resp: 628190

Ion Ratio Lower Upper

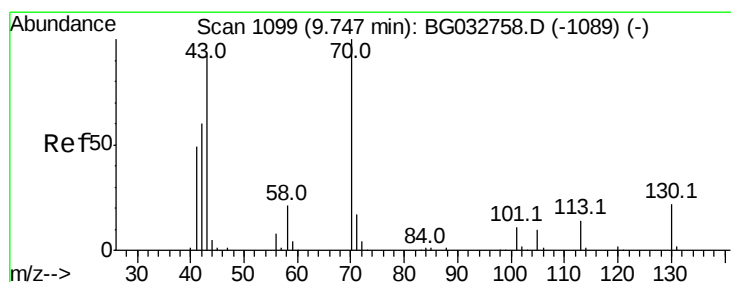
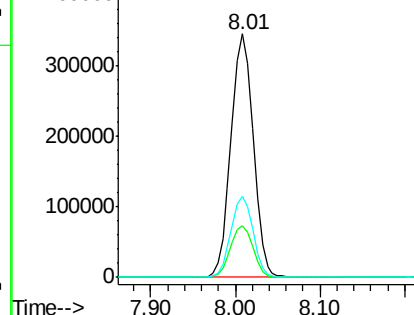
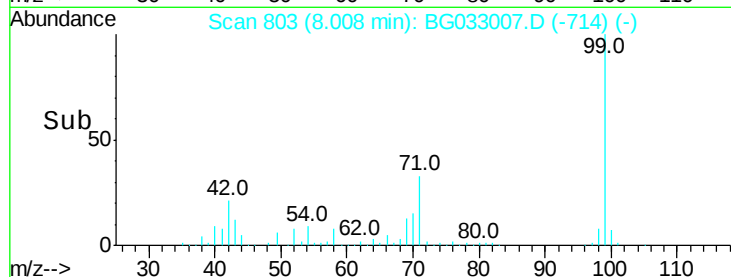
99 100

42 21.4 14.1 21.1#

71 33.3 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.394 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.38 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Tgt Ion: 70 Resp: 61281

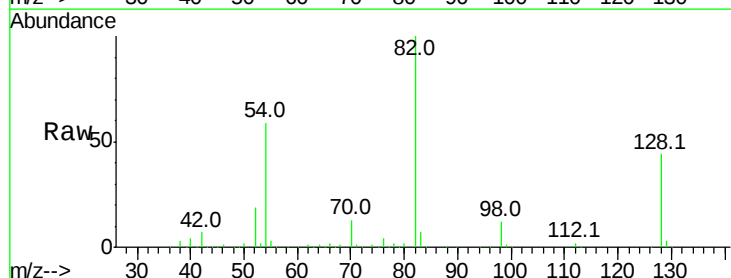
Ion Ratio Lower Upper

70 100

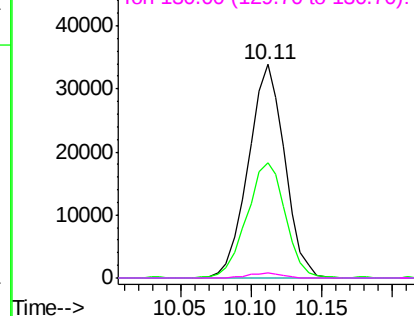
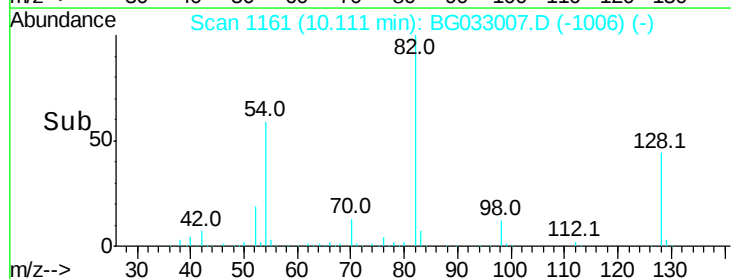
42 54.2 49.1 73.7

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

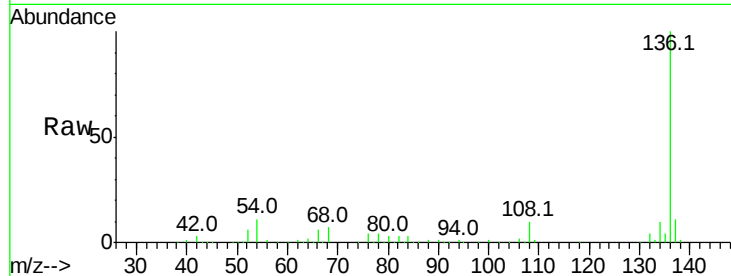




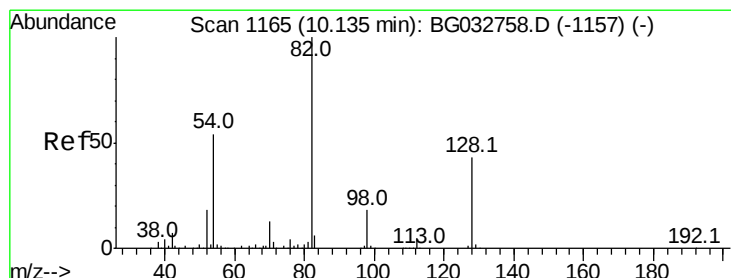
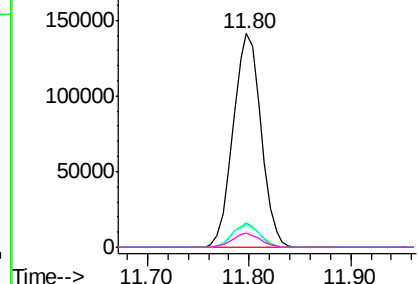
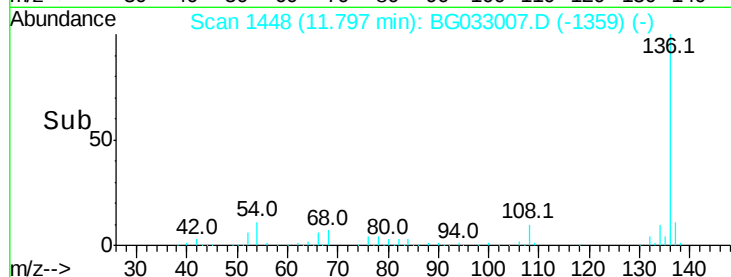
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	268719
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	10.6	10.3	15.5
68	6.7	4.5	6.7

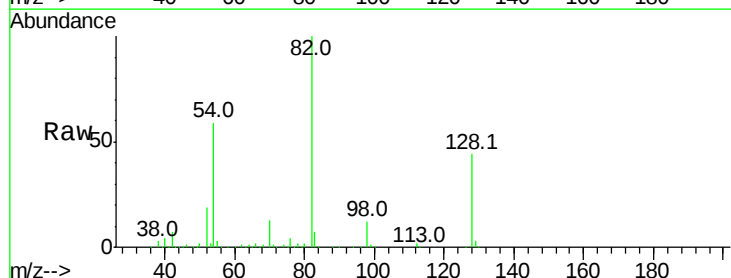


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

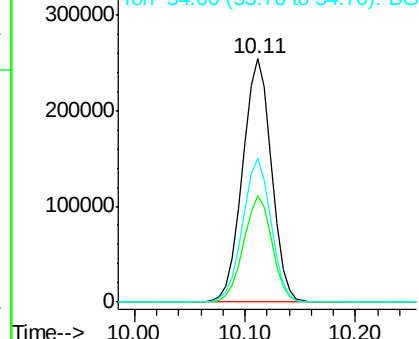
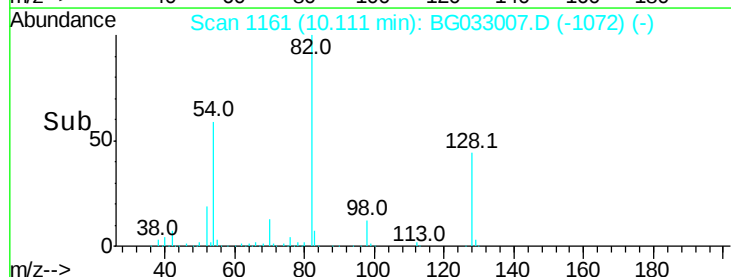


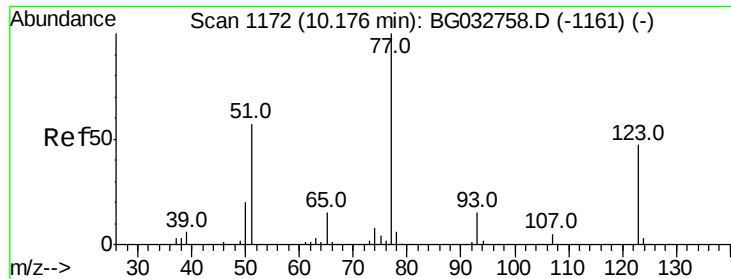
#23
Nitrobenzene-d5
Concen: 116.843 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Tgt Ion:	82	Resp:	468728
Ion	Ratio	Lower	Upper
82	100		
128	44.0	29.7	44.5
54	59.2	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.636 ng

RT: 10.11 min Scan# 1160

Delta R.T. -0.06 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Instrument :

BNA_G

ClientSampleId :

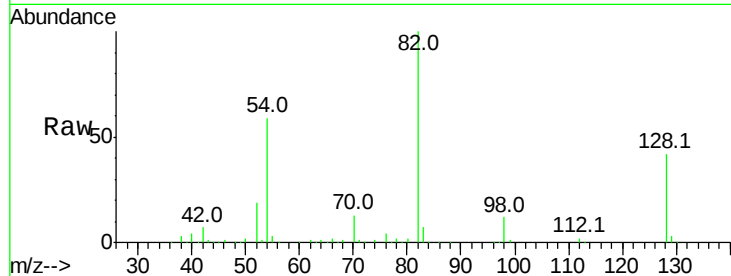
Tot Ion: 77 Resp: 1265

Ion Ratio Lower Upper

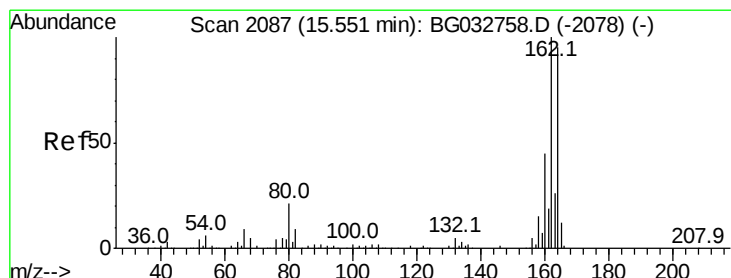
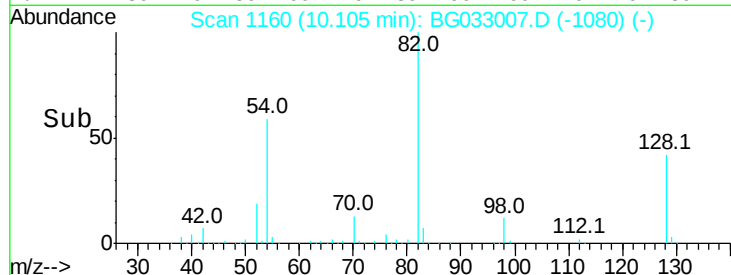
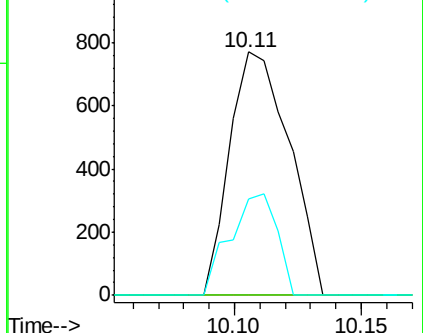
77 100

123 0.0 33.0 49.6#

65 39.8 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: 15.53 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

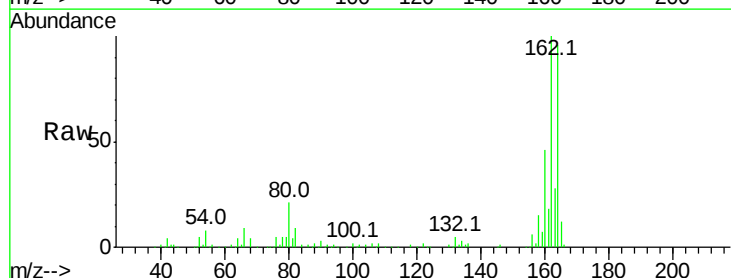
Tgt Ion:164 Resp: 150262

Ion Ratio Lower Upper

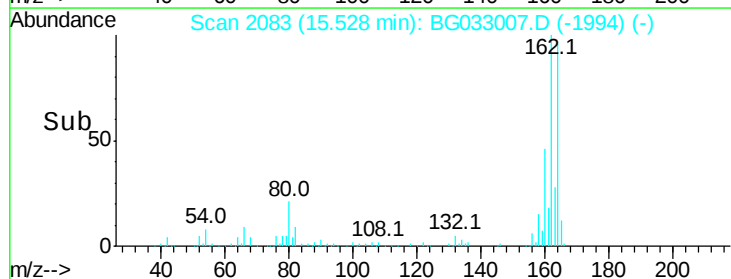
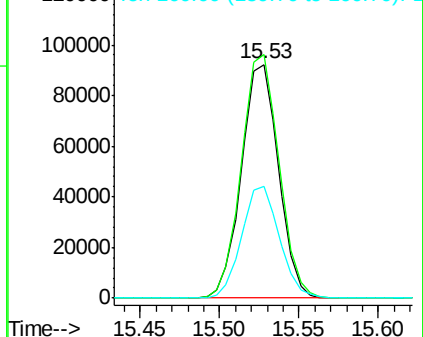
164 100

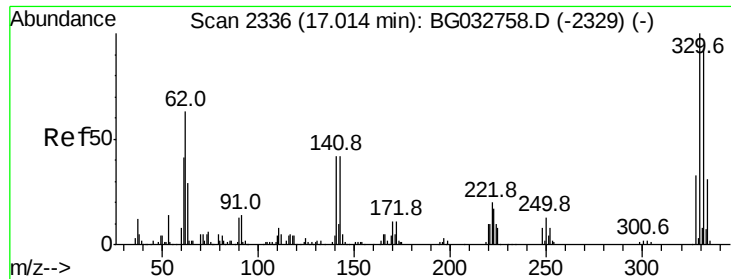
162 104.1 78.8 118.2

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

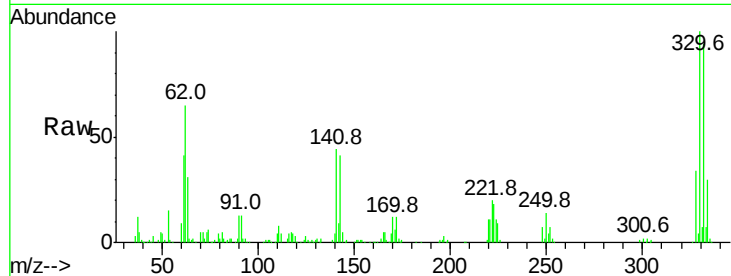




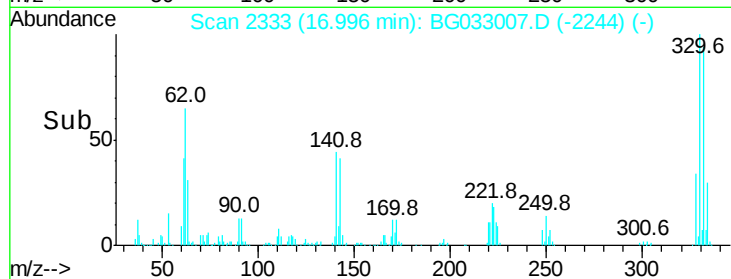
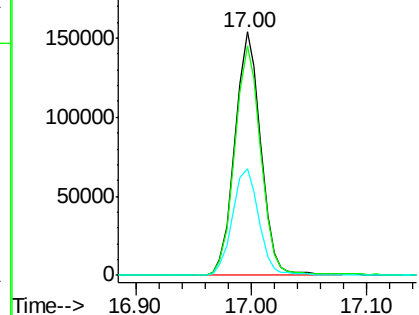
#41
 2,4,6-Tribromophenol
 Concen: 152.004 ng
 RT: 17.00 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033007.D
 Acq: 6 Mar 2018 3:23

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 240159
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 45.2 25.2 37.8#

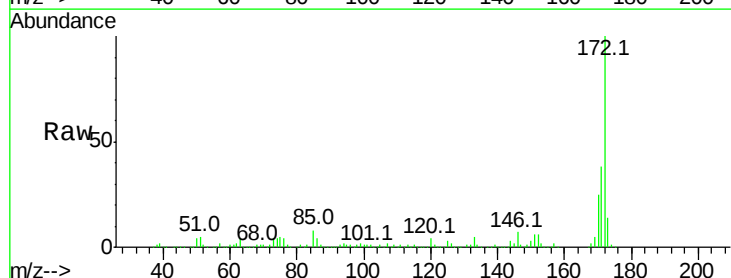


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

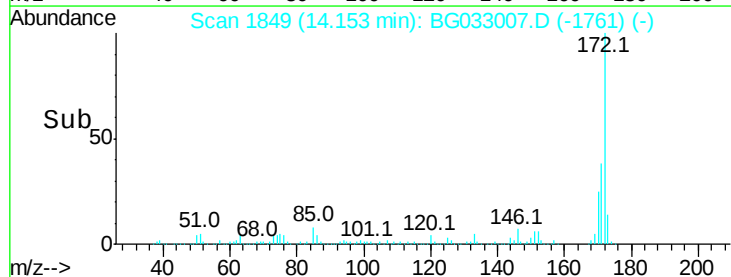
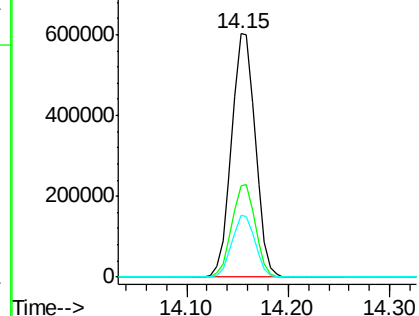


#44
 2-Fluorobiphenyl
 Concen: 94.393 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BG033007.D
 Acq: 6 Mar 2018 3:23

Tgt Ion:172 Resp: 983443
 Ion Ratio Lower Upper
 172 100
 171 37.7 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

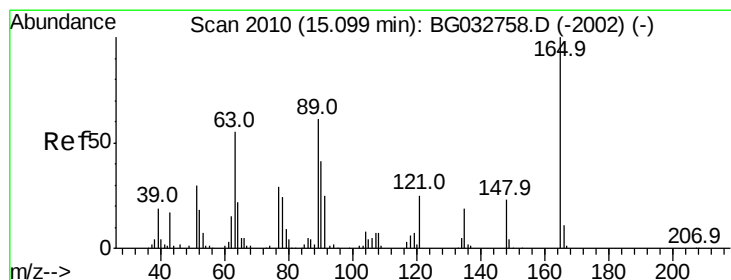
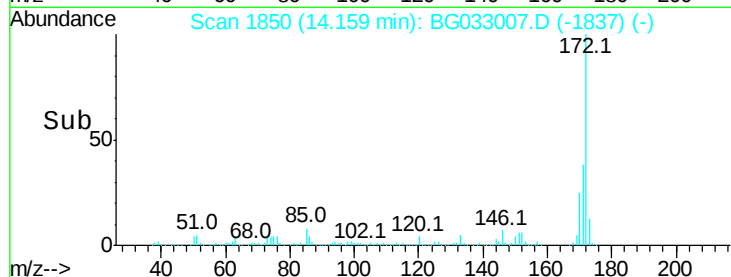
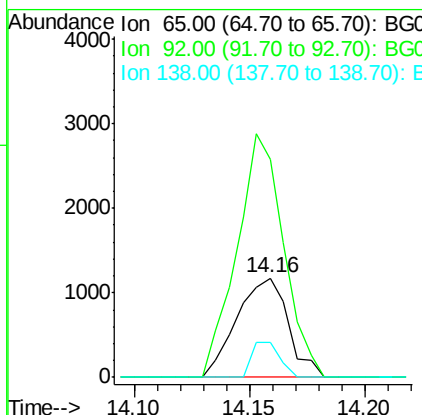
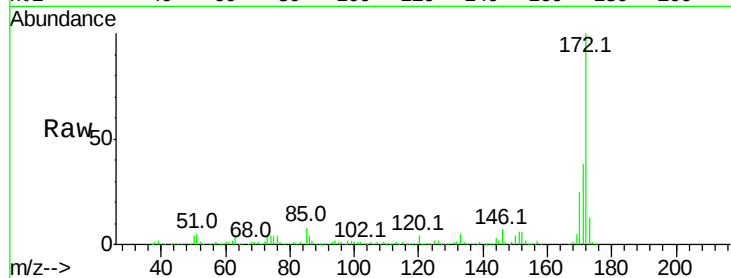




#47
2-Nitroaniline
Concen: 10.419 ng
RT: 14.16 min Scan# 1850
Delta R.T. -0.45 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

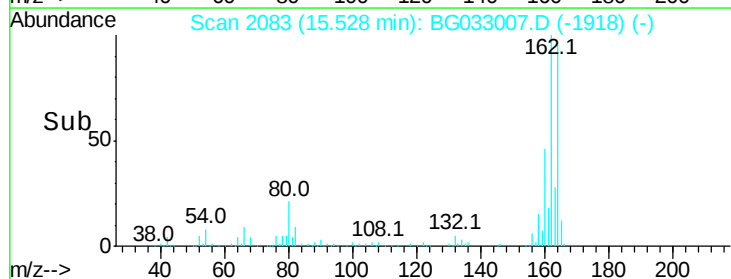
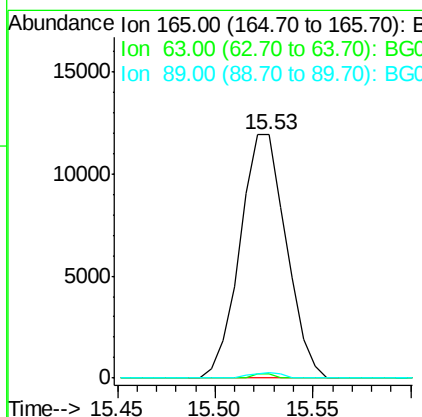
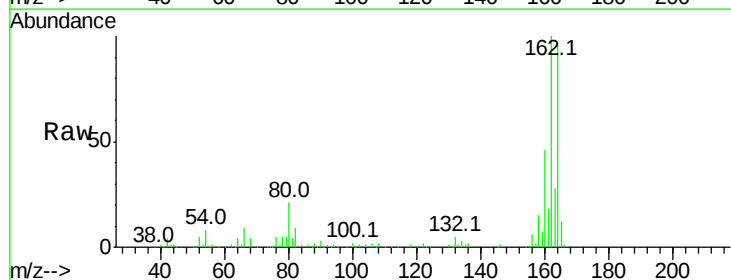
Instrument :
BNA_G
ClientSampleId :

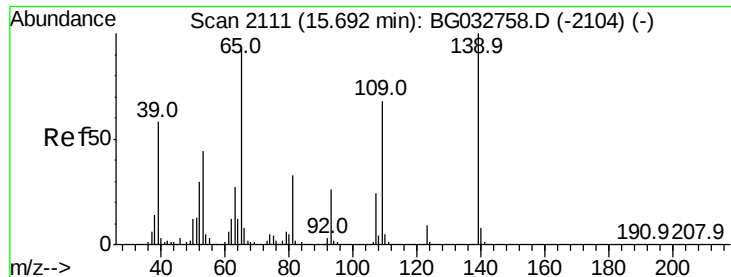
Tot Ion: 65 Resp: 1816
Ion Ratio Lower Upper
65 100
92 220.5 54.6 82.0#
138 35.2 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.435 ng
RT: 15.53 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Tgt Ion:165 Resp: 19537
Ion Ratio Lower Upper
165 100
63 1.6 52.7 79.1#
89 2.4 49.2 73.8#





#55

4-Nitrophenol

Concen: 7.376 ng

RT: 15.92 min Scan# 2149

Delta R.T. 0.23 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Instrument :

BNA_G

ClientSampleId :

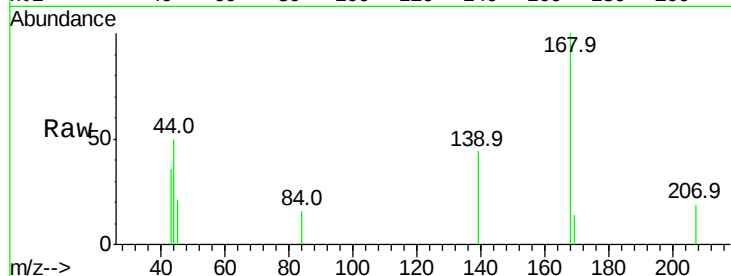
Tot Ion:139 Resp: 677

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

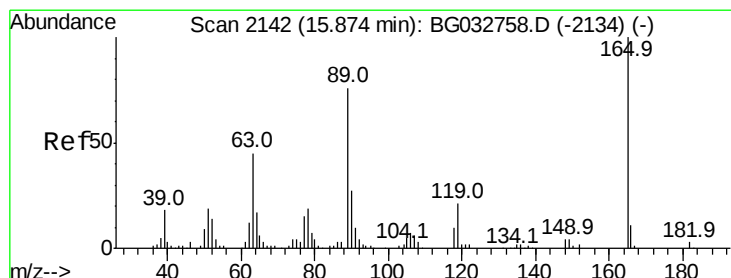
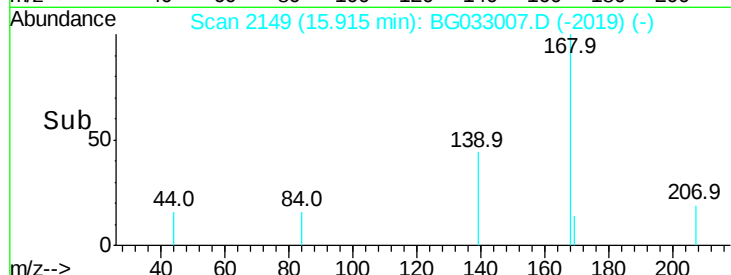
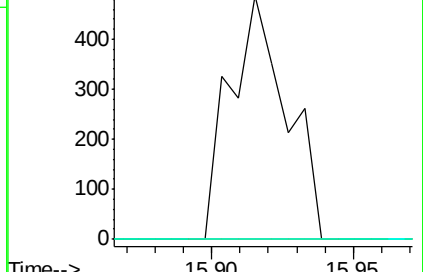
65 0.0 97.2 137.2#



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: 14.633 ng

RT: 15.53 min Scan# 2083

Delta R.T. -0.33 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Tgt Ion:165 Resp: 19537

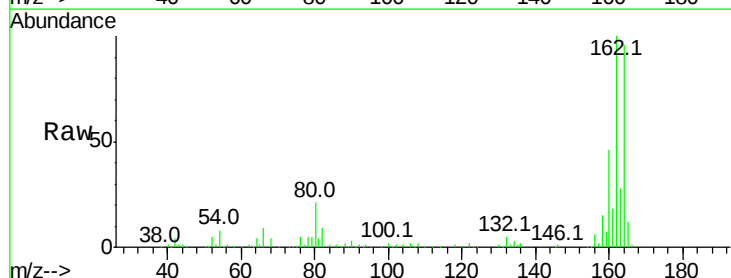
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 2.4 66.9 100.3#

182 0.0 2.6 3.8#

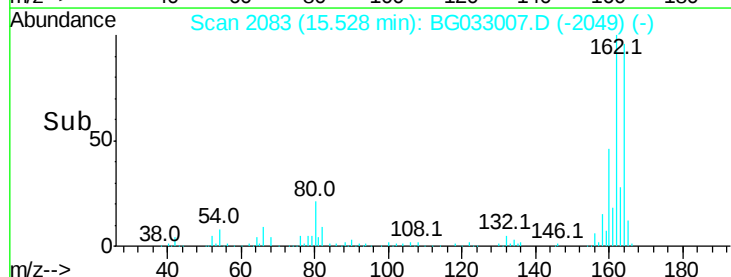
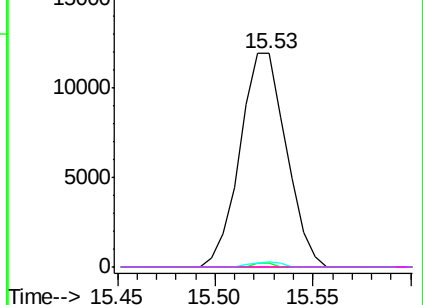


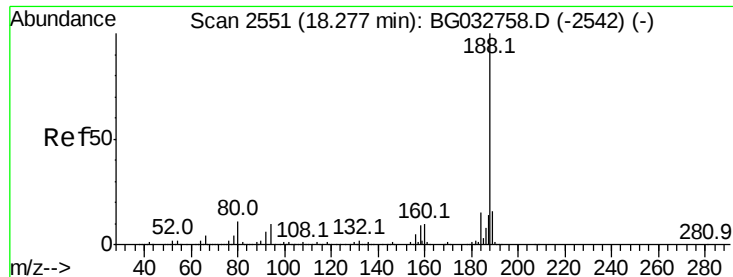
Abundance Ion 165.00 (164.70 to 165.70): E

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

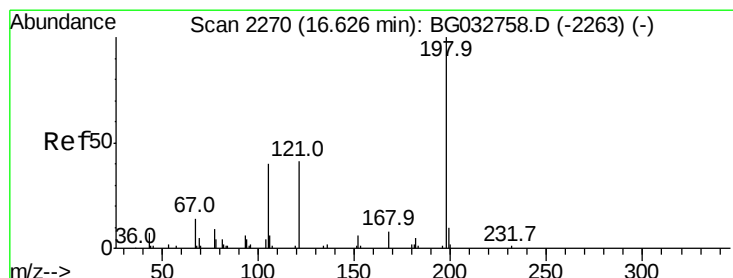
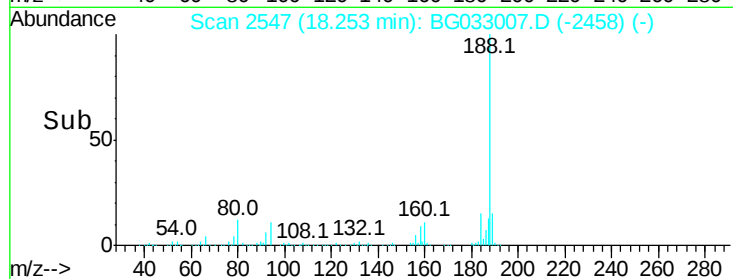
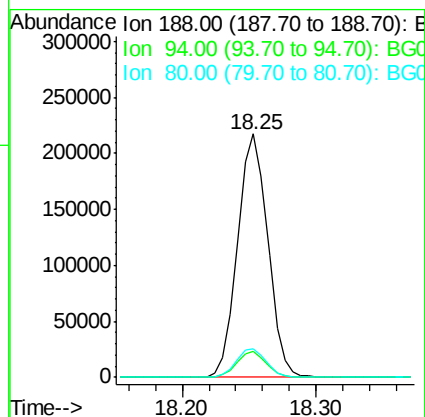
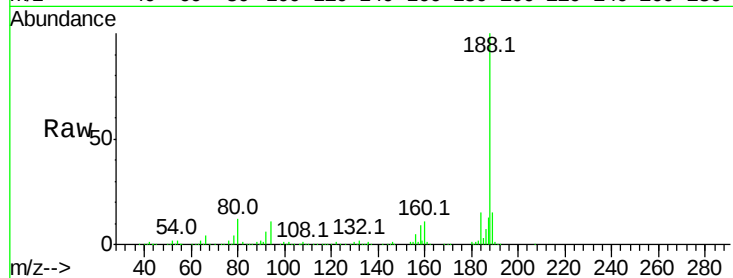




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

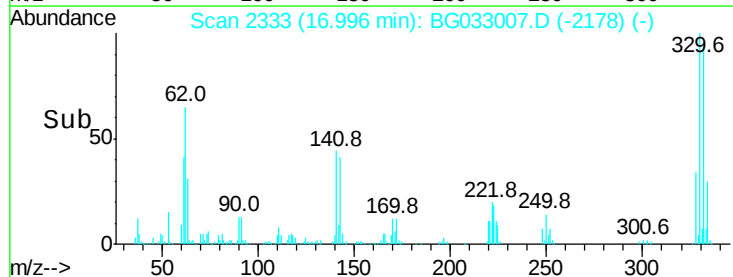
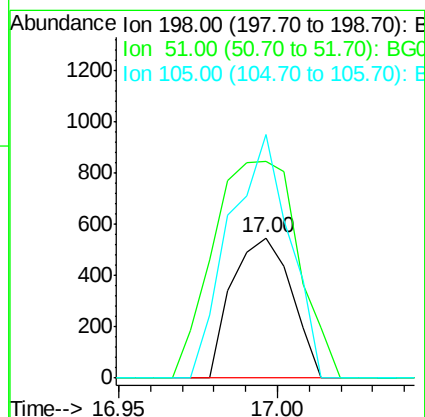
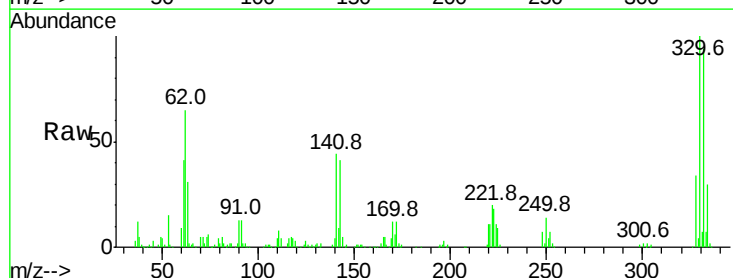
Instrument :
BNA_G
ClientSampleId :

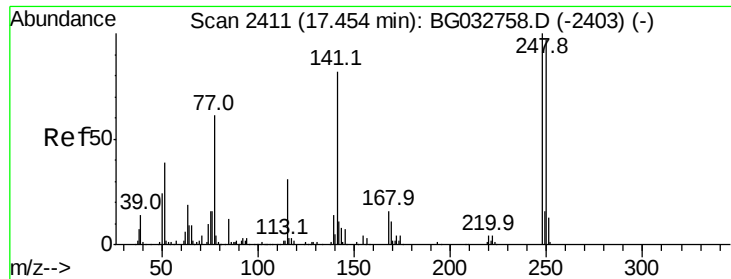
Tot Ion:188 Resp: 341119
Ion Ratio Lower Upper
188 100
94 10.6 6.9 10.3#
80 12.0 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.833 ng
RT: 17.00 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 154.7 30.6 70.6#
105 173.7 23.8 63.8#

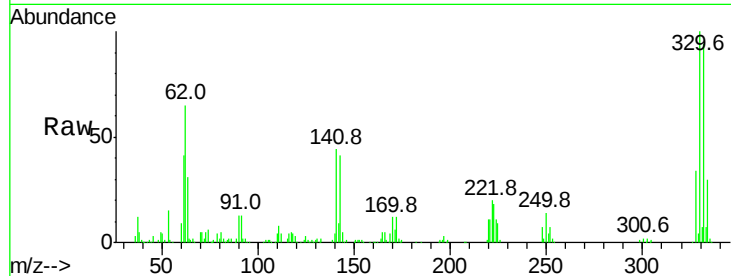




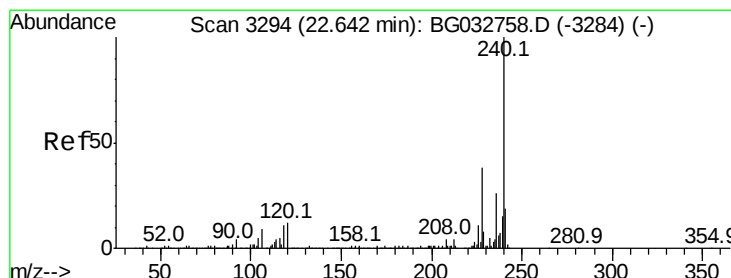
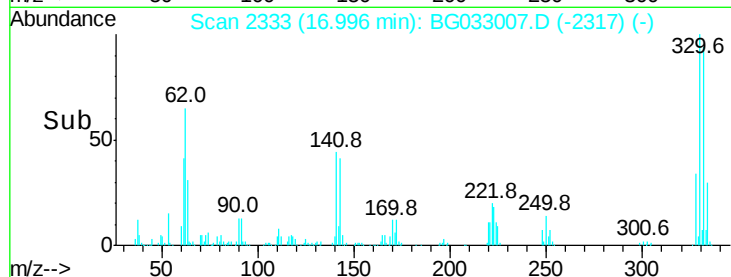
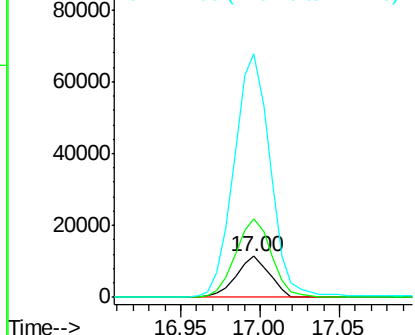
#66
4-Bromophenyl-phenylether
Concen: 4.601 ng
RT: 17.00 min Scan# 2333
Delta R.T. -0.44 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16596
Ion Ratio Lower Upper
248 100
250 191.4 77.1 115.7#
141 593.2 50.8 76.2#

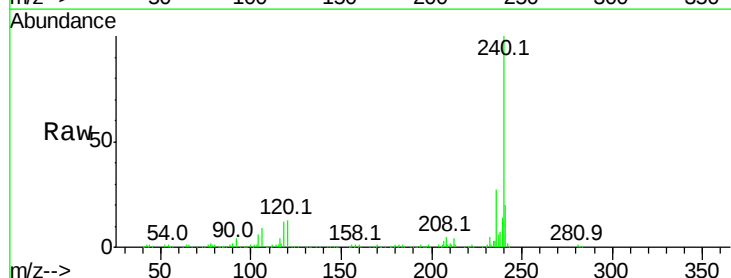


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

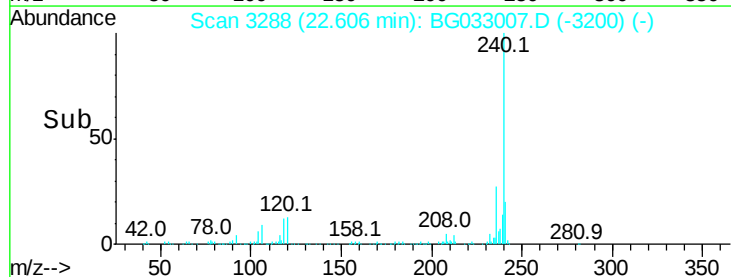
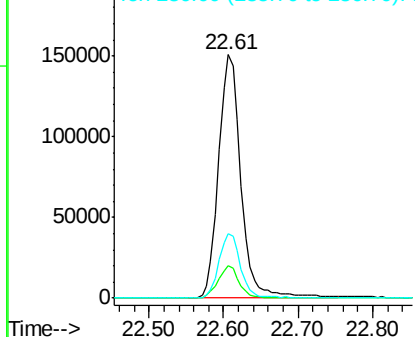


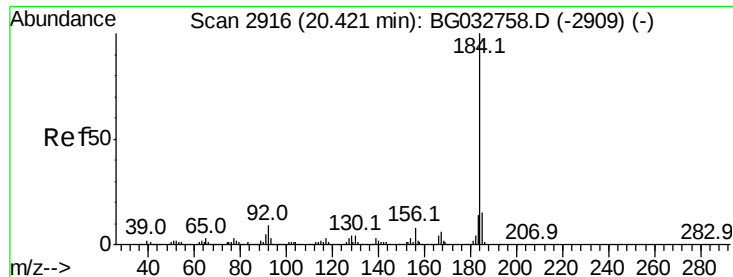
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.61 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Tgt Ion:240 Resp: 315865
Ion Ratio Lower Upper
240 100
120 13.1 6.8 10.2#
236 26.5 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: 2.446 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

Instrument :

BNA_G

ClientSampled :

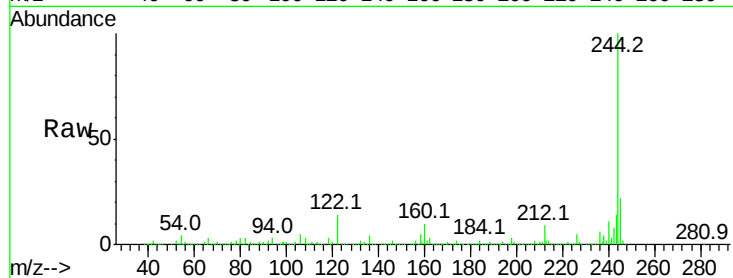
Tot Ion:184 Resp: 26331

Ion Ratio Lower Upper

184 100

185 17.0 11.1 16.7#

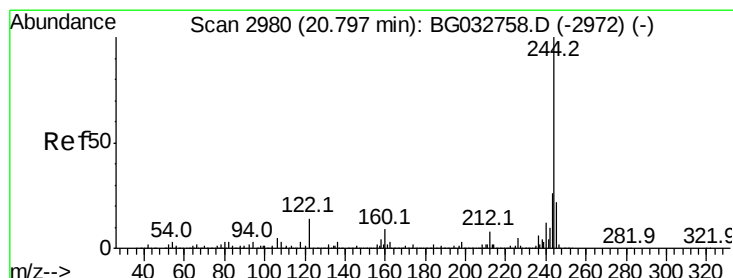
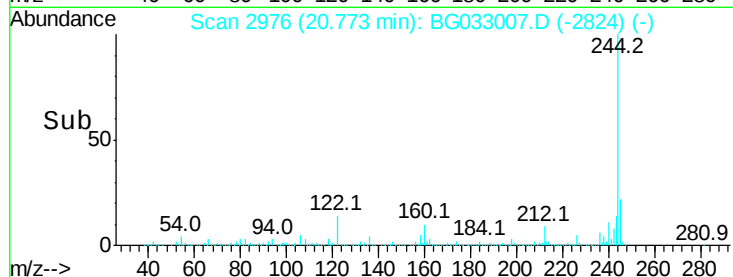
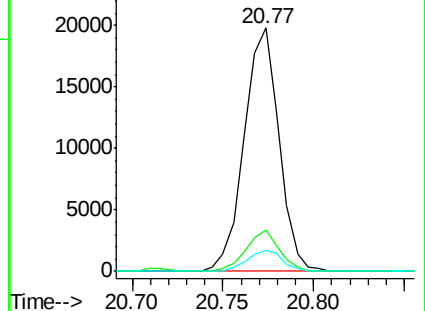
183 8.5 10.6 16.0#



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: 105.129 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033007.D

Acq: 6 Mar 2018 3:23

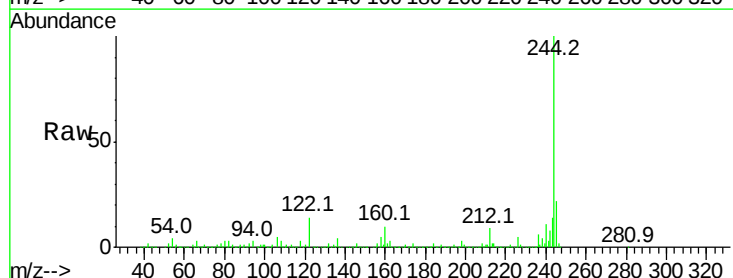
Tgt Ion:244 Resp: 1477990

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

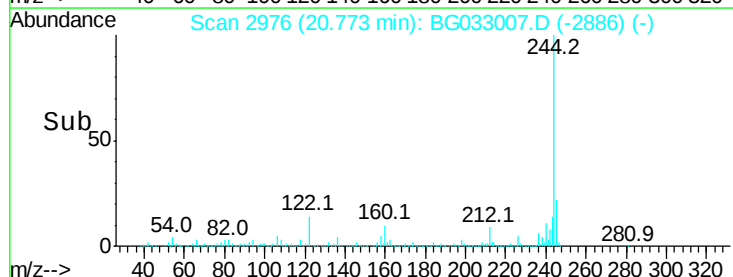
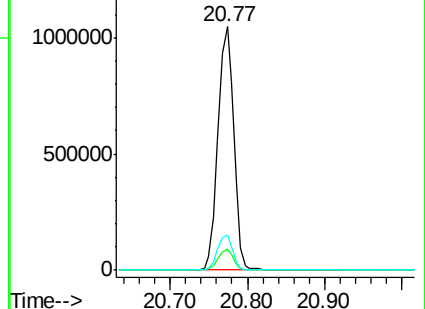
122 14.2 7.0 10.4#

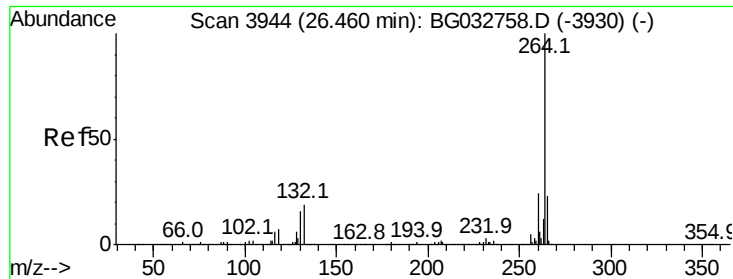


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

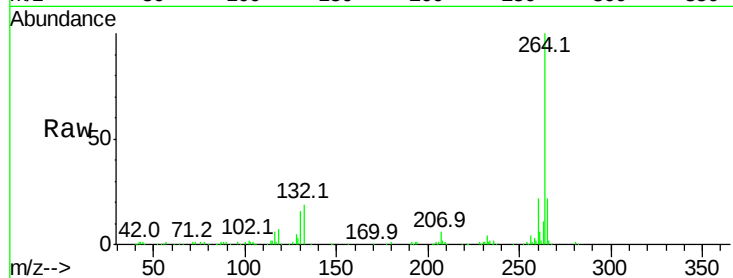




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.41 min Scan# 3935
Delta R.T. -0.02 min
Lab File: BG033007.D
Acq: 6 Mar 2018 3:23

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	21.5	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

