

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG030918\
 Data File : BG033081.D
 Acq On : 9 Mar 2018 20:38
 Operator : SJ/JU
 Sample : PB107212BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 09 23:31:57 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	51588	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	226294	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	128651	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	291806	20.00	ng	0.00
75) Chrysene-d12	22.60	240	268158	20.00	ng	0.00
86) Perylene-d12	26.42	264	222140	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	337185	104.57	ng	0.00
7) Phenol-d6	8.00	99	444813	98.97	ng	0.00
23) Nitrobenzene-d5	10.11	82	265825	81.92	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	98715	72.98	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	594133	66.61	ng	0.00
78) Terphenyl-d14	20.77	244	885799	74.22	ng	0.00

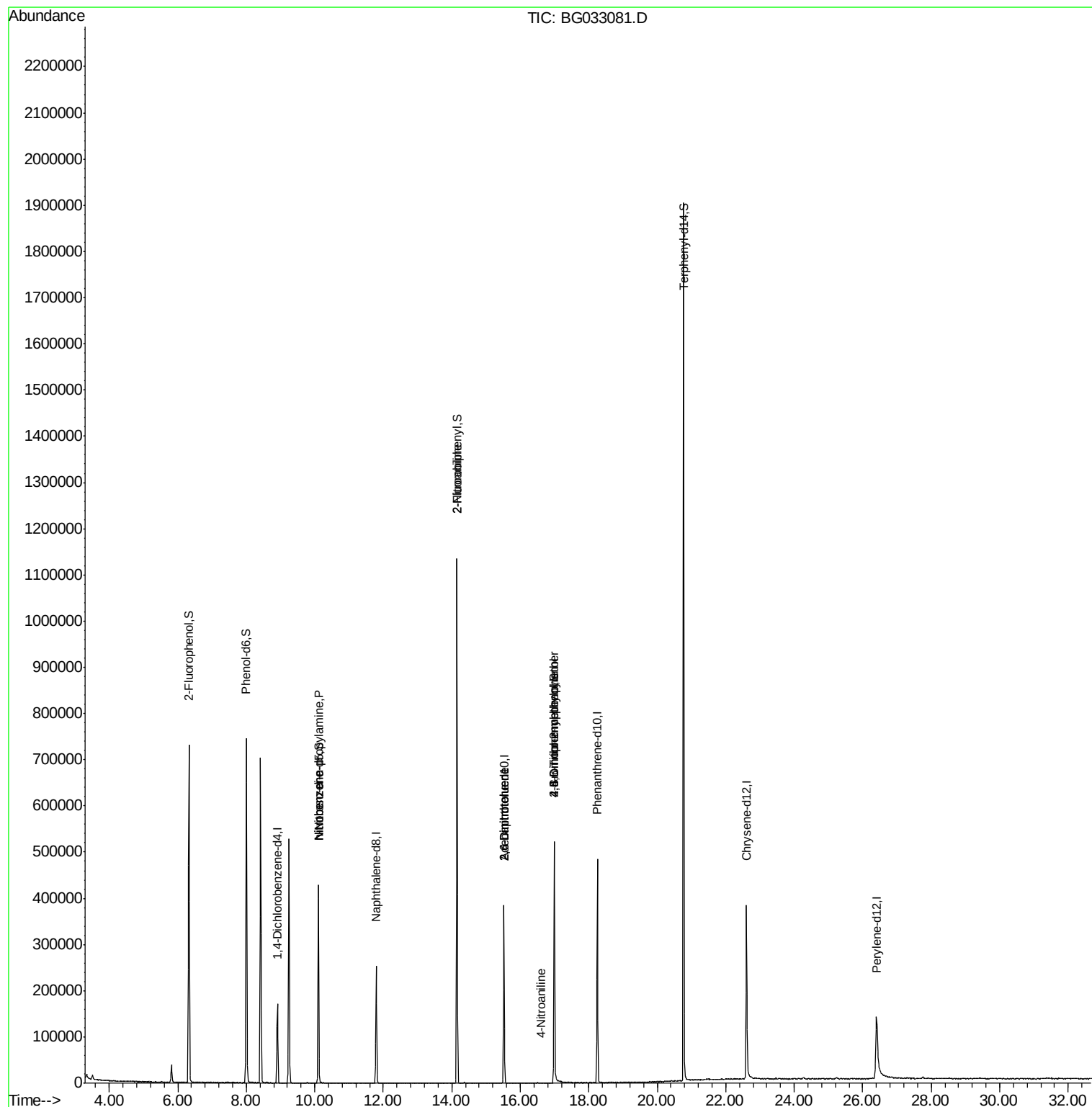
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	10.11	70	35054	11.047	ng	# 89
24) Nitrobenzene	10.11	77	676	6.543	ng	# 42
47) 2-Nitroaniline	14.15	65	1058	10.233	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	16769	16.453	ng	# 20
56) 2,4-Dinitrotoluene	15.52	165	16769	14.652	ng	# 17
61) 4-Nitroaniline	16.60	138	54	5.320	ng	# 12
64) 4,6-Dinitro-2-methylphenol	16.99	198	274	5.348	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	6598	2.138	ng	# 1

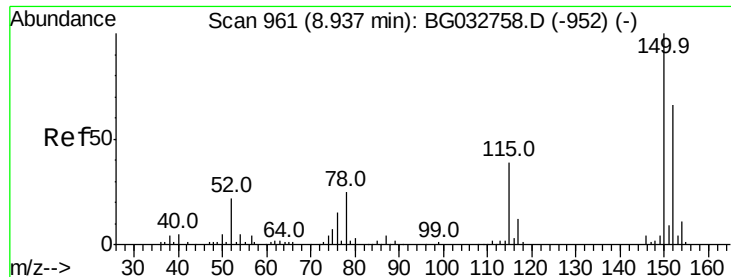
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 12 Sample Multiplier: 1

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BNA_G
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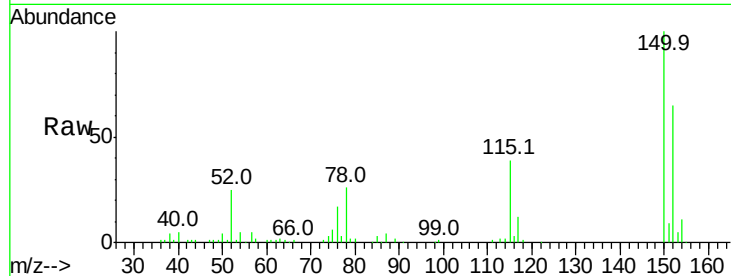


#1

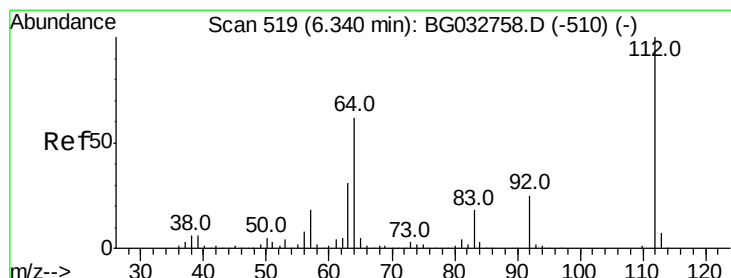
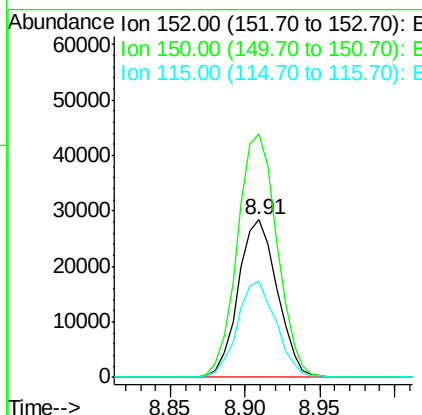
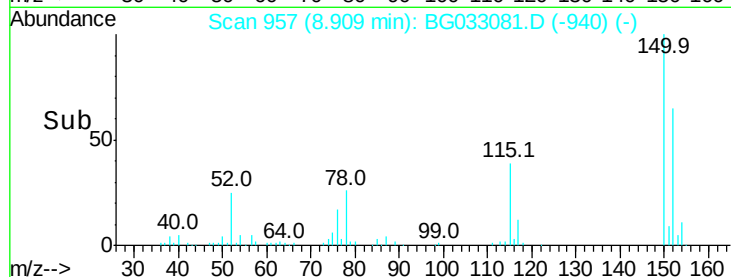
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 51588
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 60.9 53.0 79.4



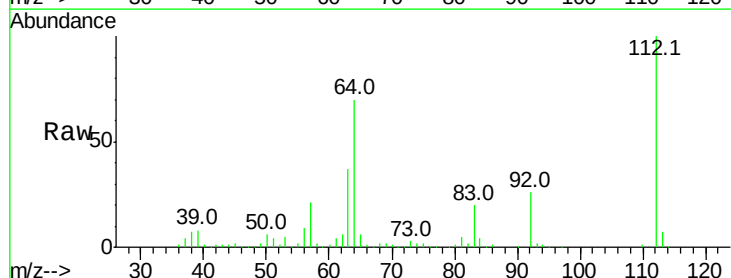
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



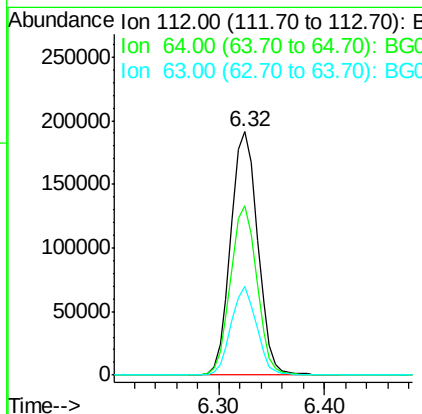
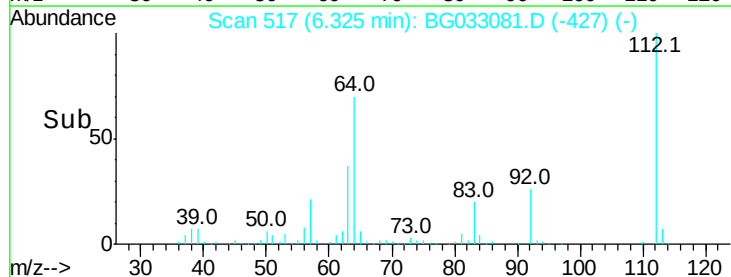
#5

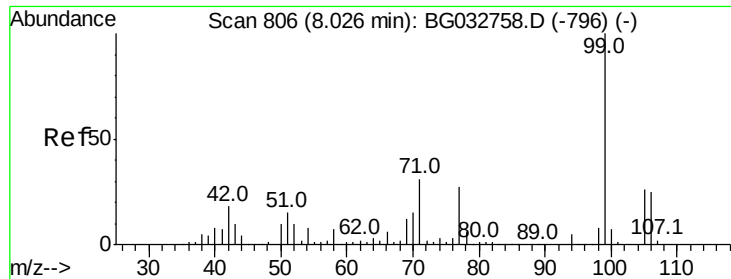
2-Fluorophenol
Concen: 104.568 ng
RT: 6.32 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Tgt Ion:112 Resp: 337185
Ion Ratio Lower Upper
112 100
64 69.7 56.3 84.5
63 36.6 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: 98.967 ng

RT: 8.00 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

Instrument :

BNA_G

ClientSampleId :

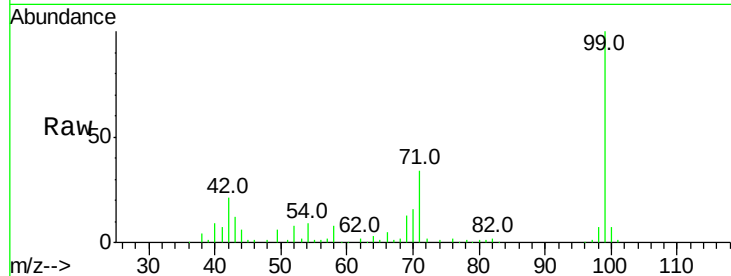
Tot Ion: 99 Resp: 444813

Ion Ratio Lower Upper

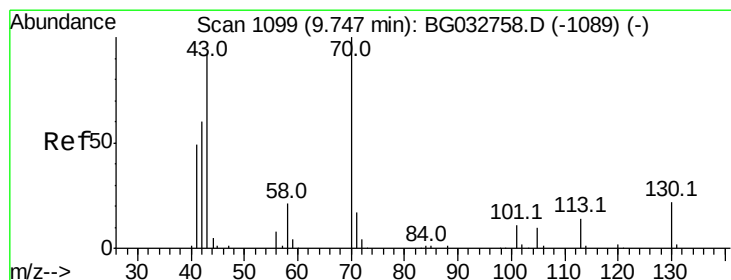
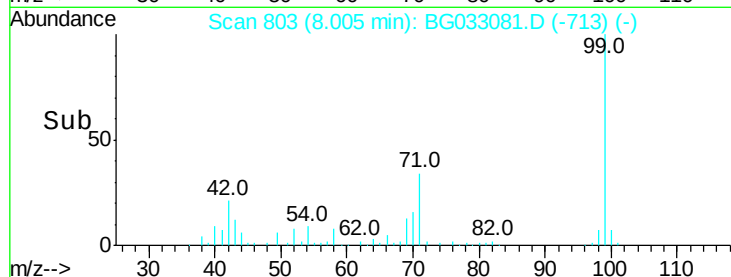
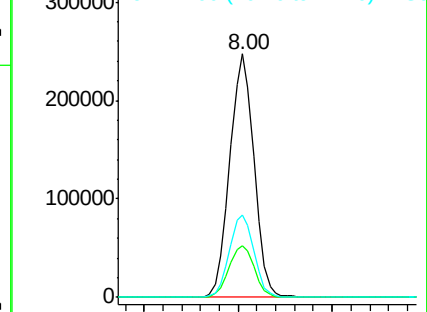
99 100

42 21.4 14.1 21.1#

71 34.0 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: 11.047 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

Tgt Ion: 70 Resp: 35054

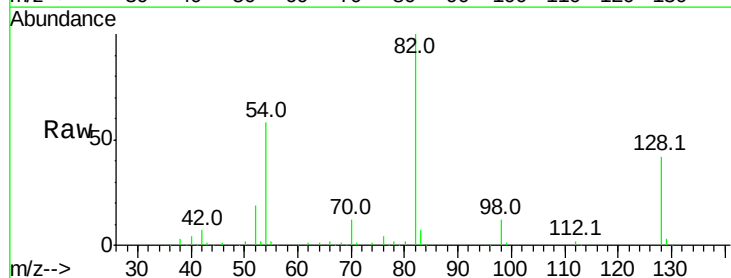
Ion Ratio Lower Upper

70 100

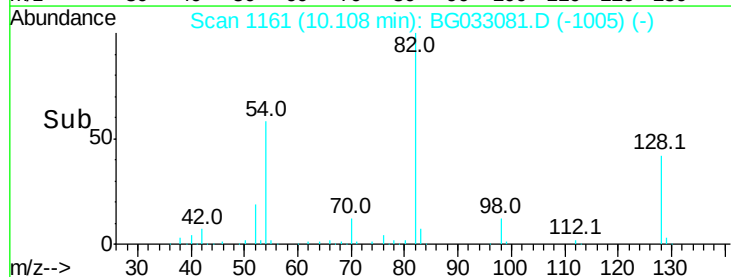
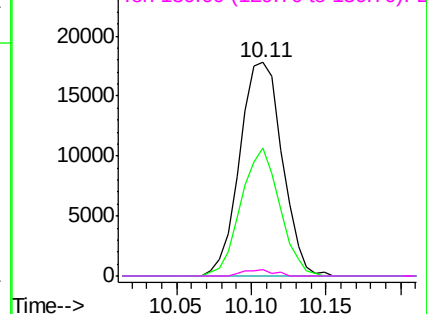
42 59.8 49.1 73.7

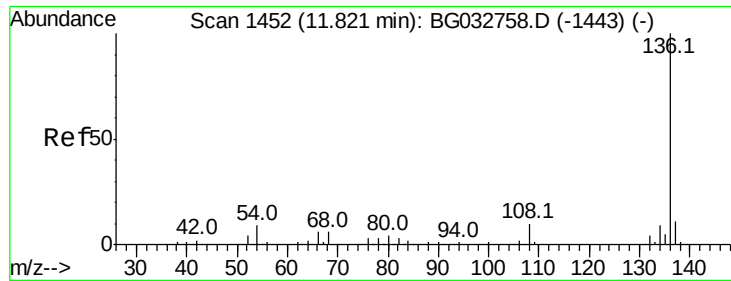
101 0.0 8.5 12.7#

130 3.0 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

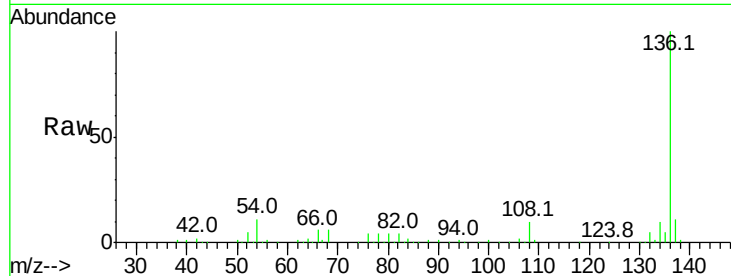




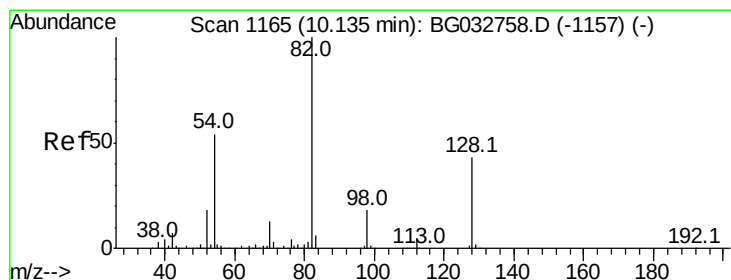
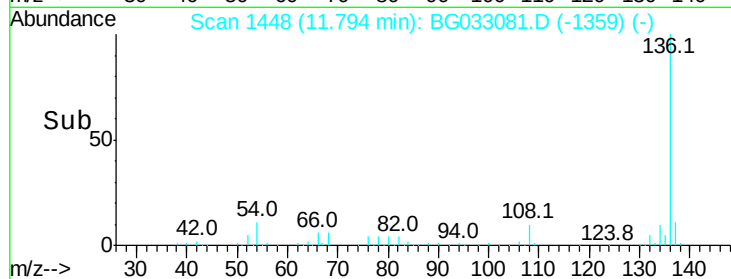
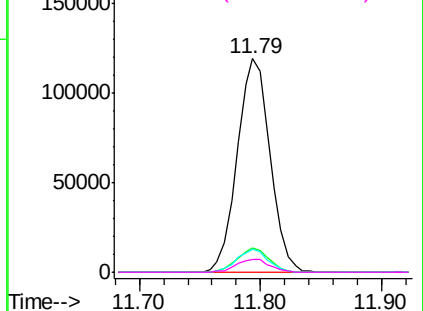
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	226294
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	10.8	10.3	15.5
68	6.2	4.5	6.7

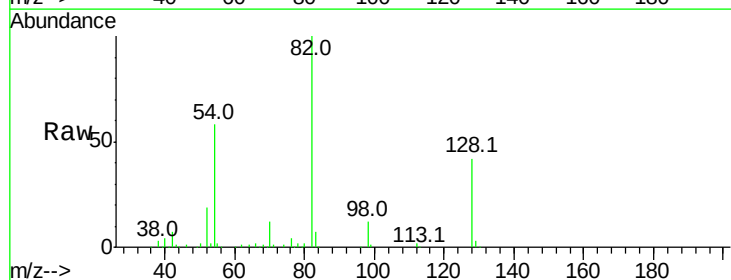


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

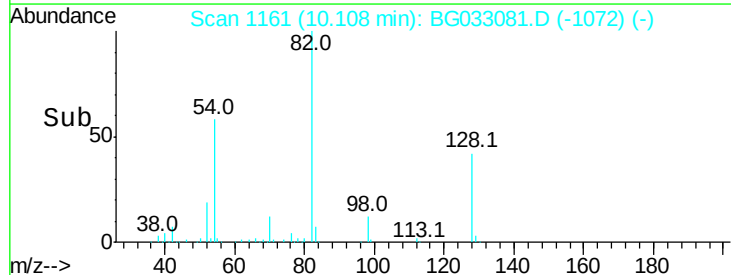
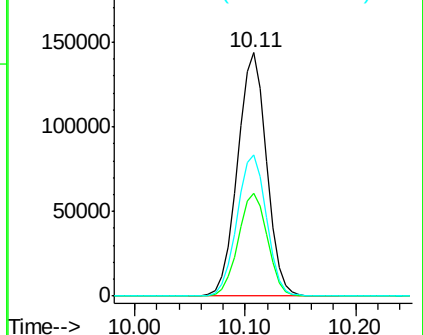


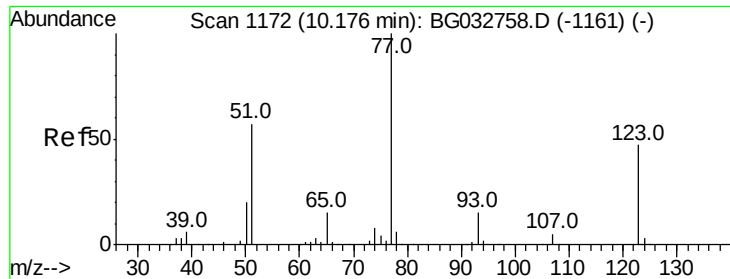
#23
Nitrobenzene-d5
Concen: 81.924 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Tgt Ion:	82	Resp:	265825
Ion	Ratio	Lower	Upper
82	100		
128	42.4	29.7	44.5
54	58.0	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: 6.543 ng

RT: 10.11 min Scan# 1162

Delta R.T. -0.04 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

Instrument :

BNA_G

ClientSampleId :

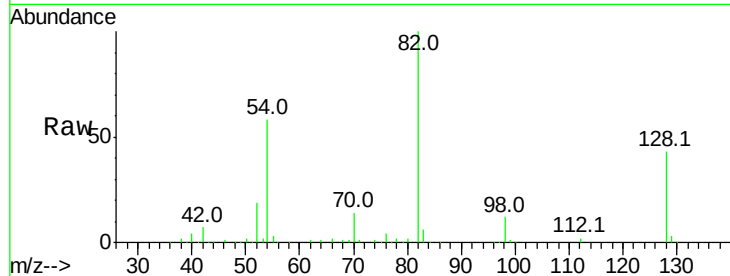
Tot Ion: 77 Resp: 676

Ion Ratio Lower Upper

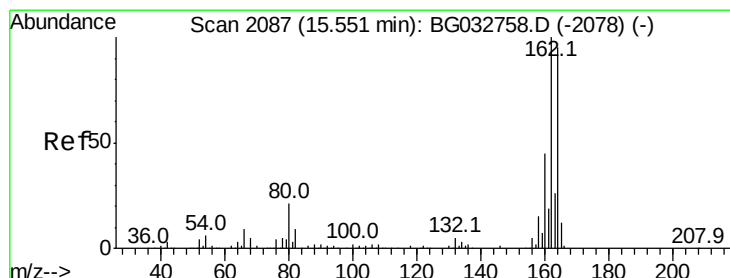
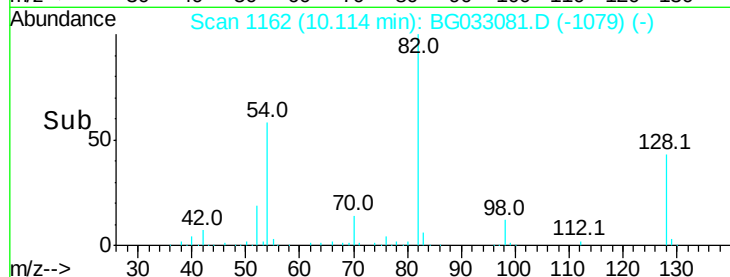
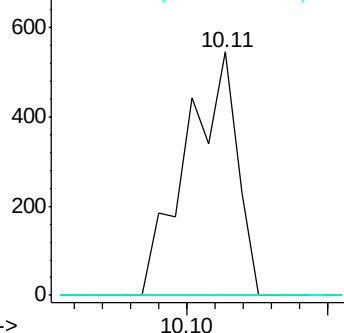
77 100

123 0.0 33.0 49.6#

65 0.0 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. -0.01 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

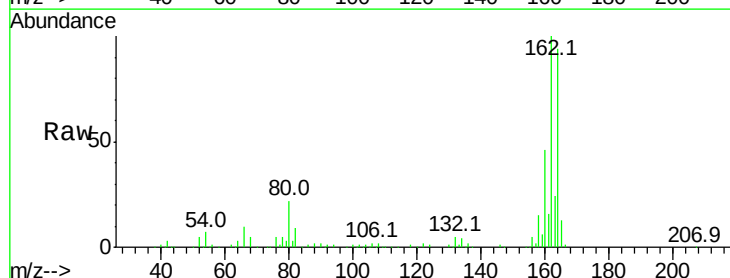
Tgt Ion: 164 Resp: 128651

Ion Ratio Lower Upper

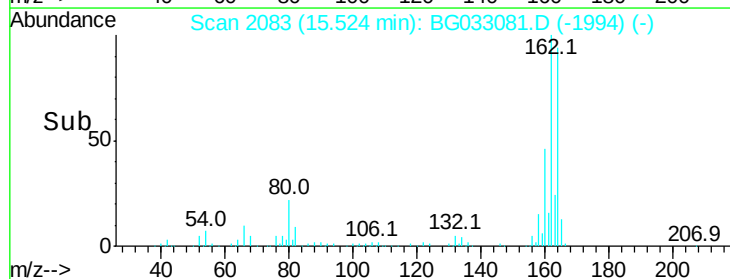
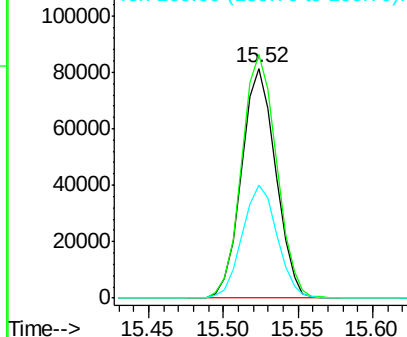
164 100

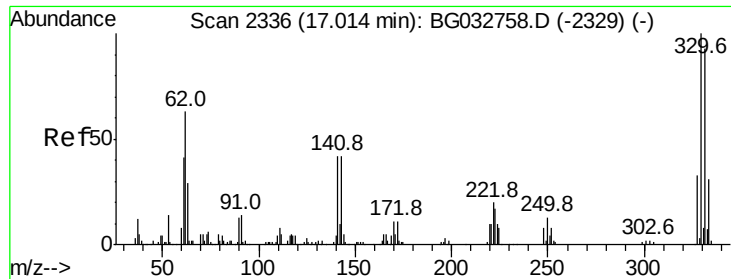
162 105.9 78.8 118.2

160 49.1 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

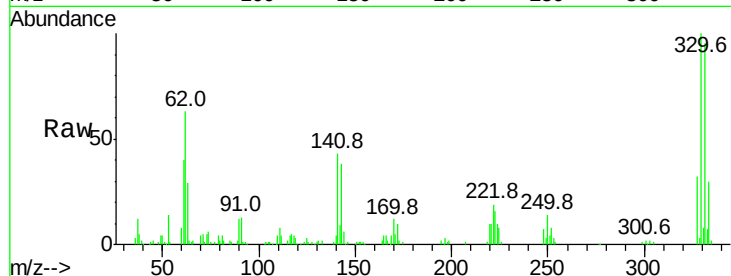




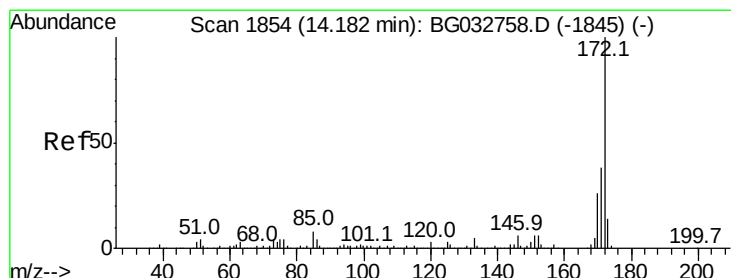
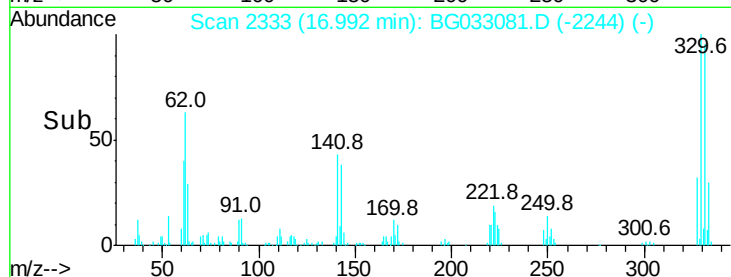
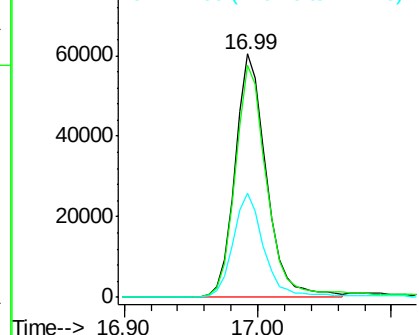
#41
 2,4,6-Tribromophenol
 Concen: 72.975 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.01 min
 Lab File: BG033081.D
 Acq: 9 Mar 2018 20:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 98715
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.0 115.6
 141 42.5 25.2 37.8#

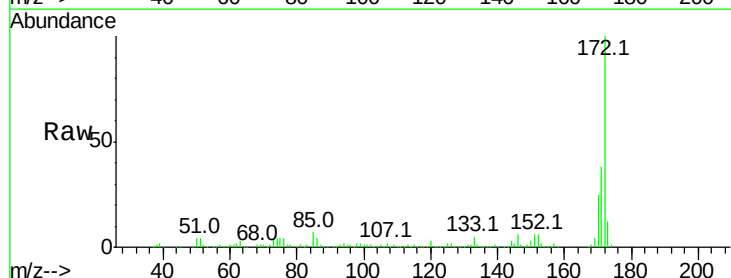


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

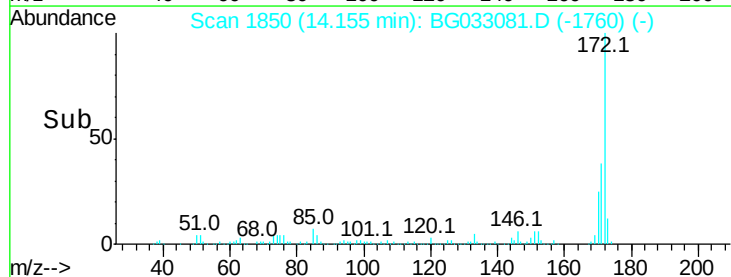
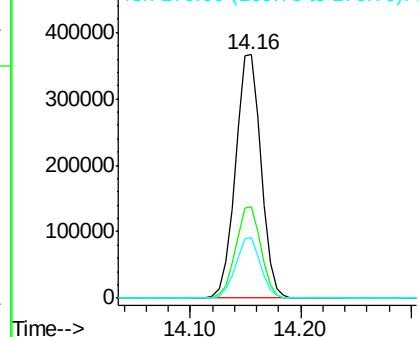


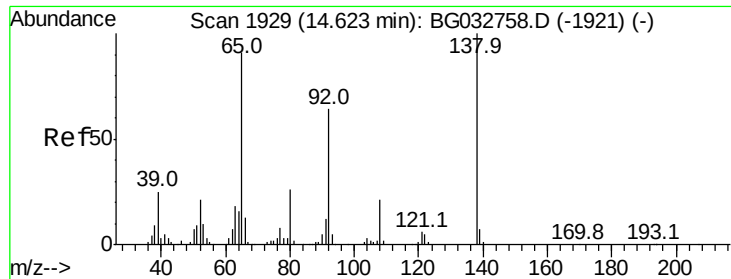
#44
 2-Fluorobiphenyl
 Concen: 66.606 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033081.D
 Acq: 9 Mar 2018 20:38

Tgt Ion:172 Resp: 594133
 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

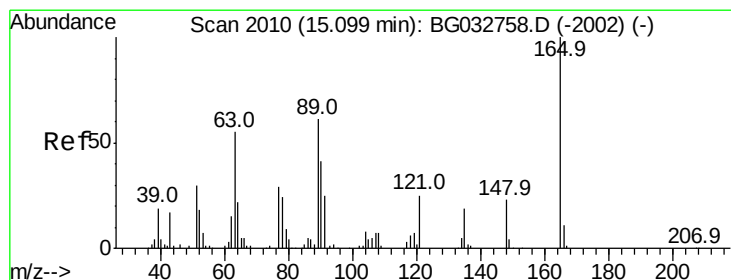
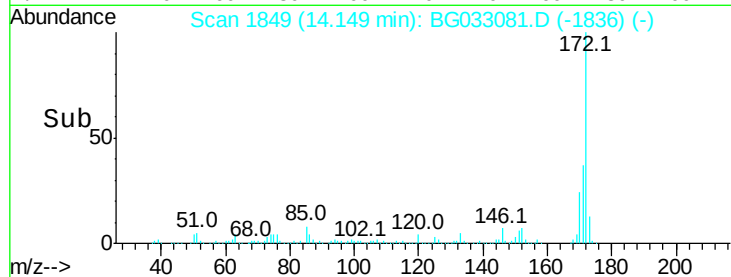
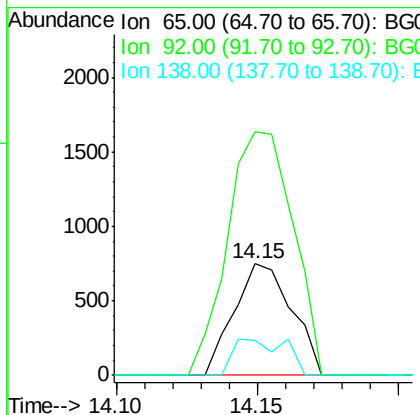
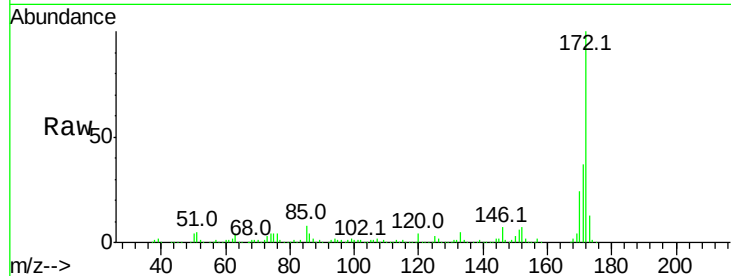




#47
2-Nitroaniline
Concen: 10.233 ng
RT: 14.15 min Scan# 1849
Delta R.T. -0.45 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

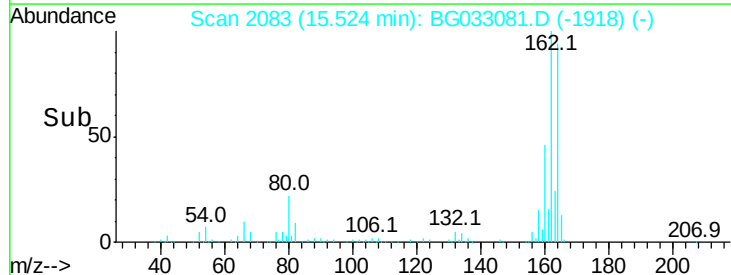
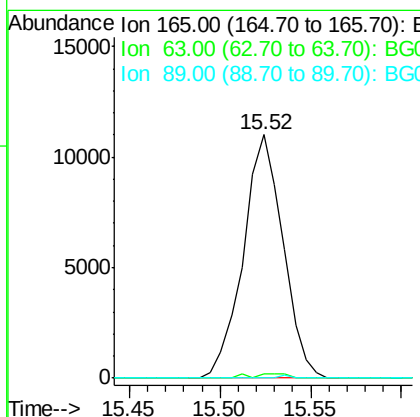
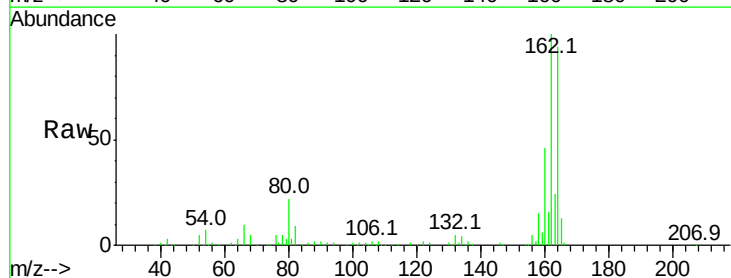
Instrument :
BNA_G
ClientSampleId :

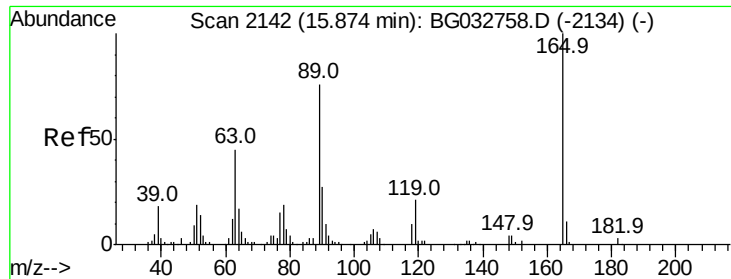
Tot Ion: 65 Resp: 1058
Ion Ratio Lower Upper
65 100
92 218.4 54.6 82.0#
138 31.3 72.9 109.3#



#50
2,6-Dinitrotoluene
Concen: 16.453 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Tgt Ion:165 Resp: 16769
Ion Ratio Lower Upper
165 100
63 1.8 52.7 79.1#
89 0.0 49.2 73.8#

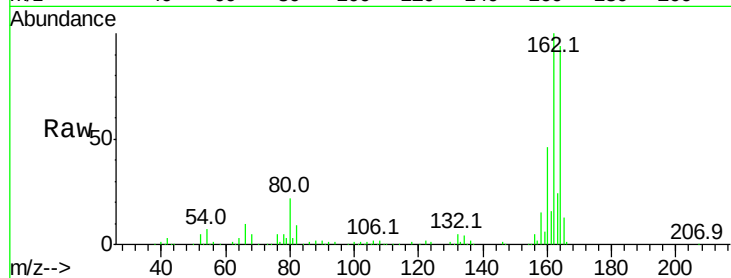




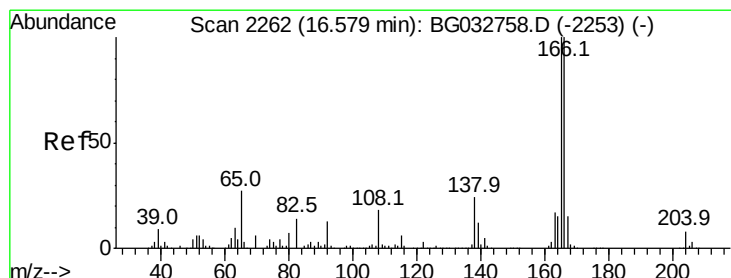
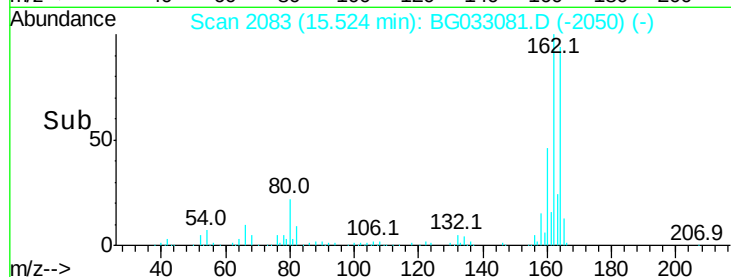
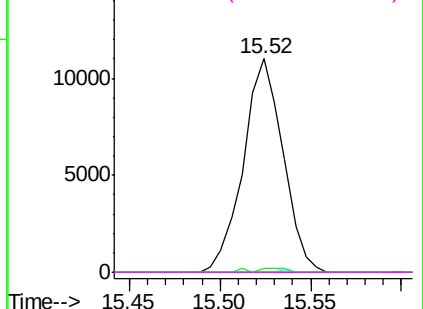
#56
2,4-Dinitrotoluene
Concen: 14.652 ng
RT: 15.52 min Scan# 2083
Delta R.T. -0.33 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 16769
Ion Ratio Lower Upper
165 100
63 1.8 42.0 63.0#
89 0.0 66.9 100.3#
182 0.0 2.6 3.8#

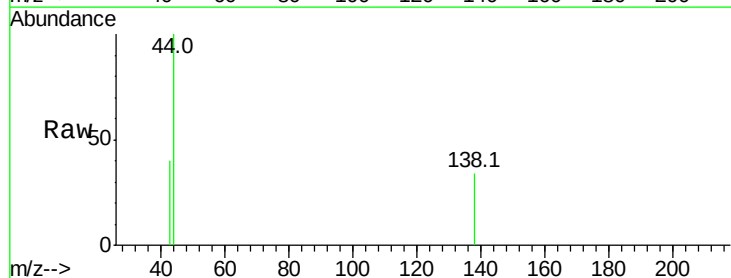


Abundance Ion 165.00 (164.70 to 165.70): E

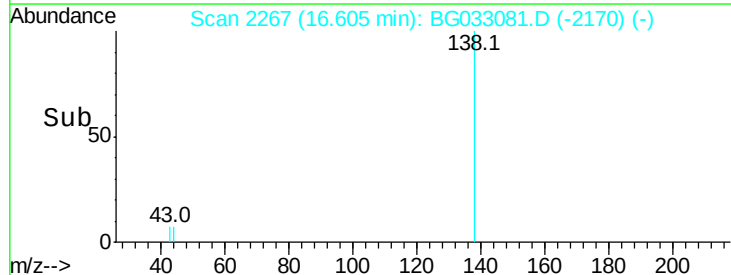
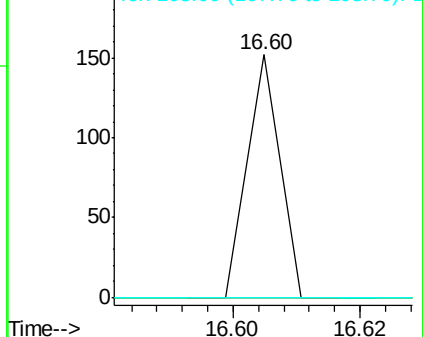


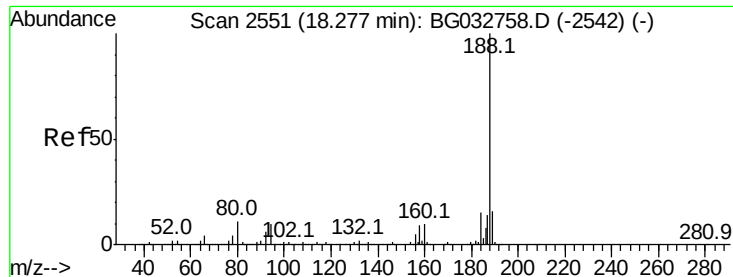
#61
4-Nitroaniline
Concen: 5.320 ng
RT: 16.60 min Scan# 2267
Delta R.T. 0.04 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Tgt Ion:138 Resp: 54
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

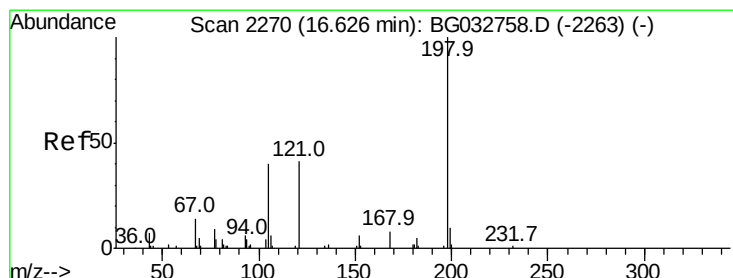
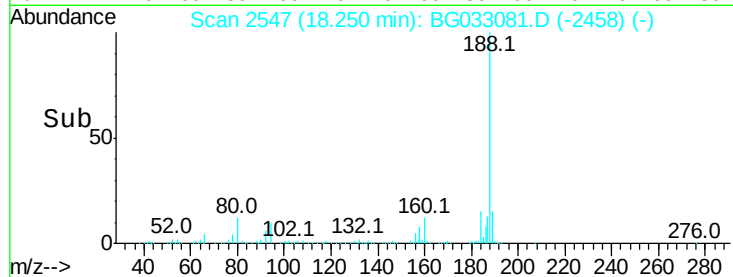
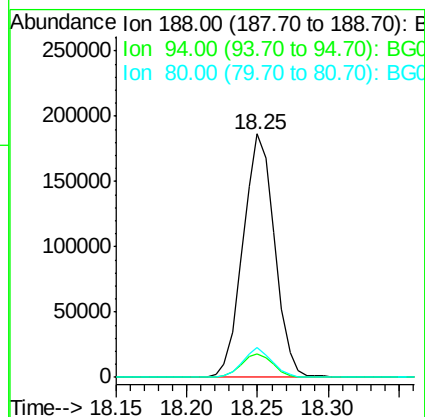
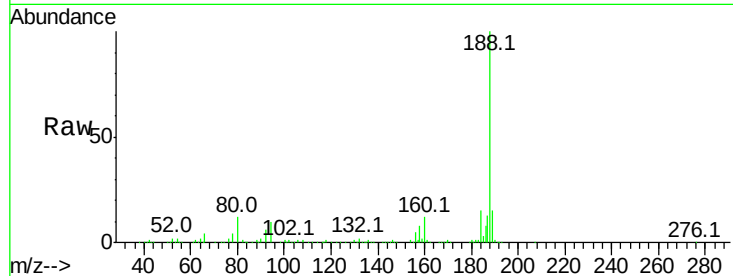




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

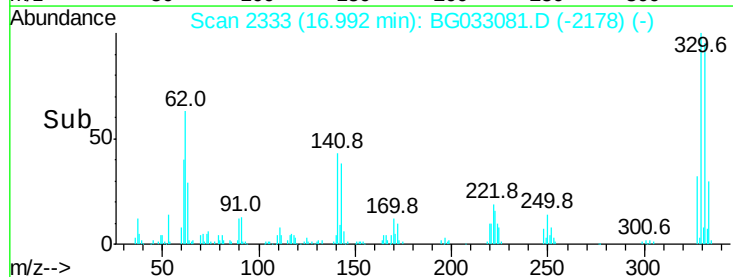
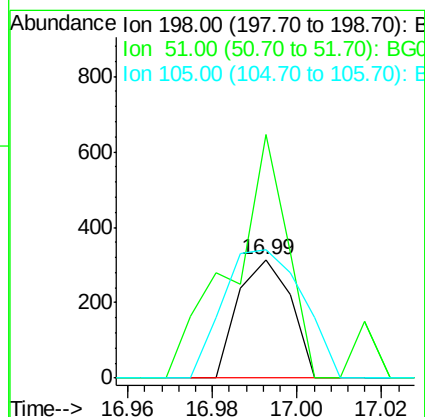
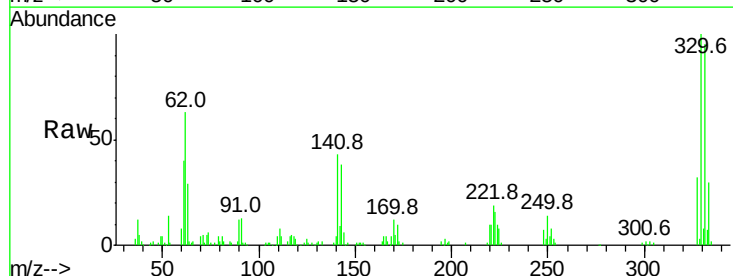
Instrument :
BNA_G
ClientSampleId :

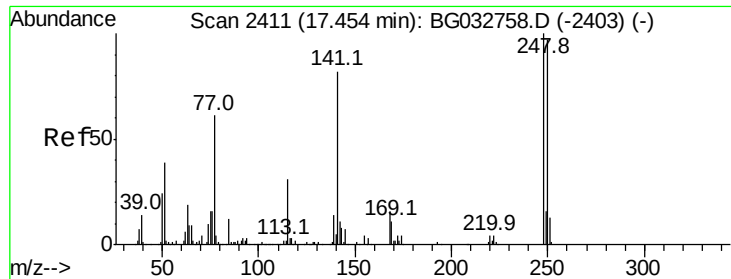
Tot Ion:188 Resp: 291806
Ion Ratio Lower Upper
188 100
94 9.6 6.9 10.3
80 12.1 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.348 ng
RT: 16.99 min Scan# 2333
Delta R.T. 0.38 min
Lab File: BG033081.D
Acq: 9 Mar 2018 20:38

Tgt Ion:198 Resp: 274
Ion Ratio Lower Upper
198 100
51 205.1 30.6 70.6#
105 108.3 23.8 63.8#

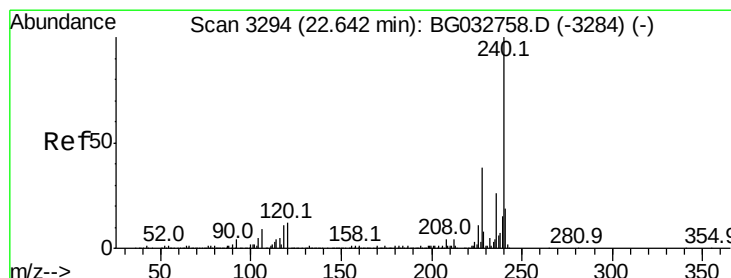
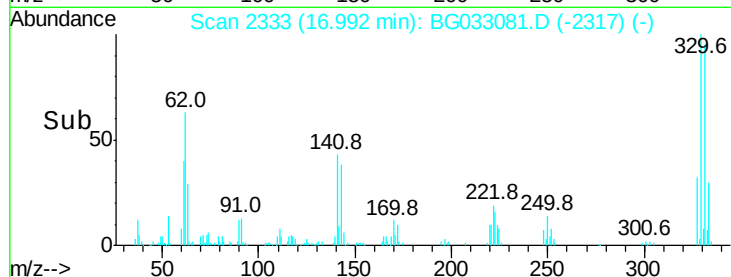
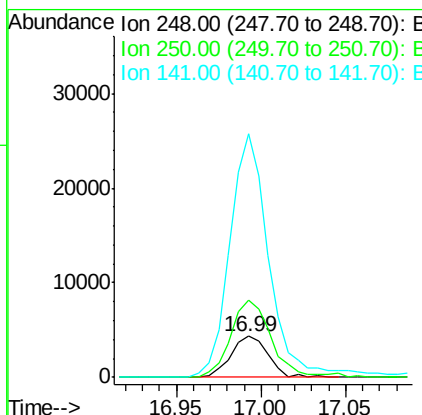
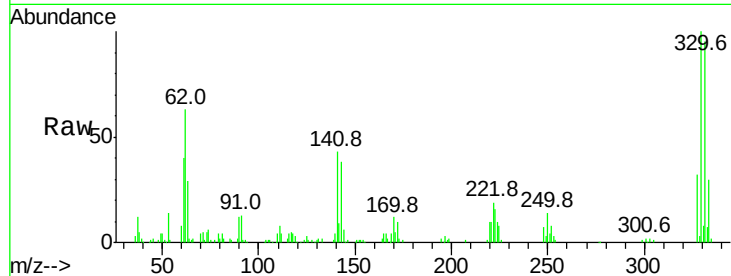




#66
 4-Bromophenyl-phenylether
 Concen: 2.138 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033081.D
 Acq: 9 Mar 2018 20:38

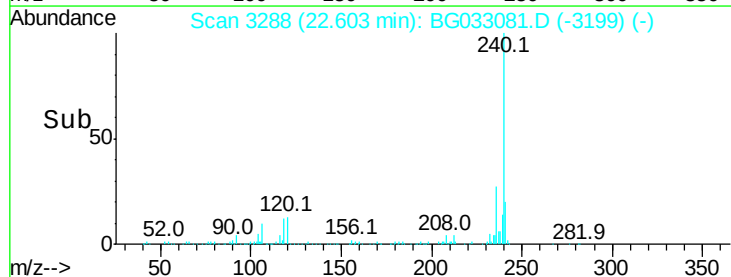
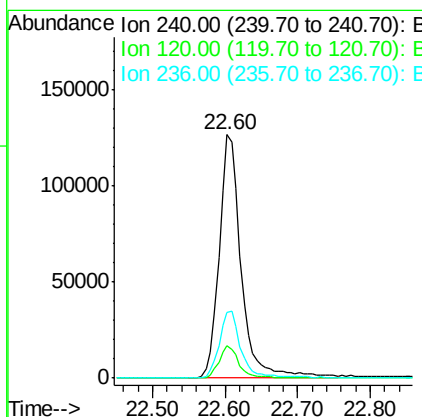
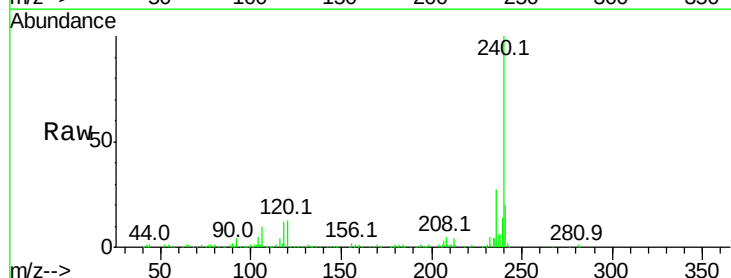
Instrument :
 BNA_G
 ClientSampleId :

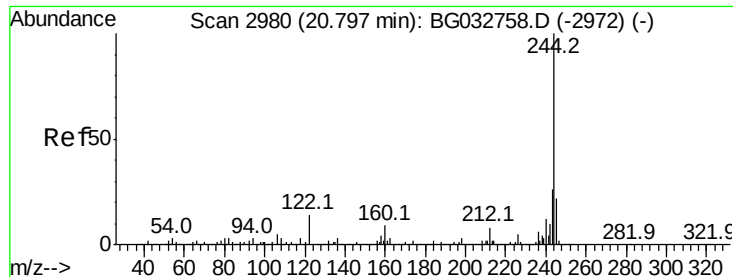
Tot Ion:248 Resp: 6598
 Ion Ratio Lower Upper
 248 100
 250 187.2 77.1 115.7#
 141 589.5 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BG033081.D
 Acq: 9 Mar 2018 20:38

Tgt Ion:240 Resp: 268158
 Ion Ratio Lower Upper
 240 100
 120 13.2 6.8 10.2#
 236 27.1 20.9 31.3





#78

Terphenyl-d14

Concen: 74.216 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

Instrument :

BNA_G

ClientSampleId :

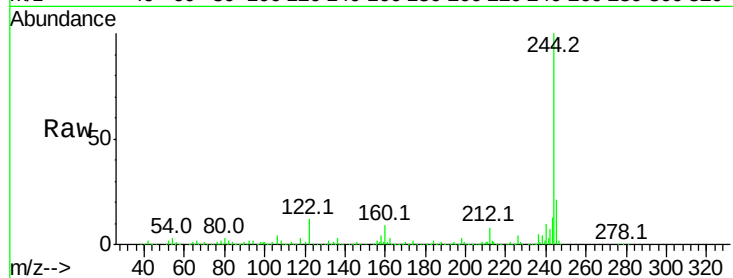
Tot Ion:244 Resp: 885799

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

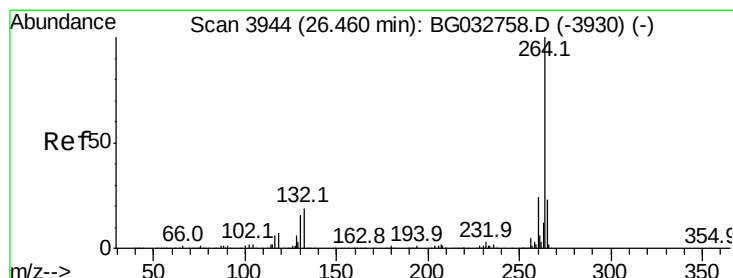
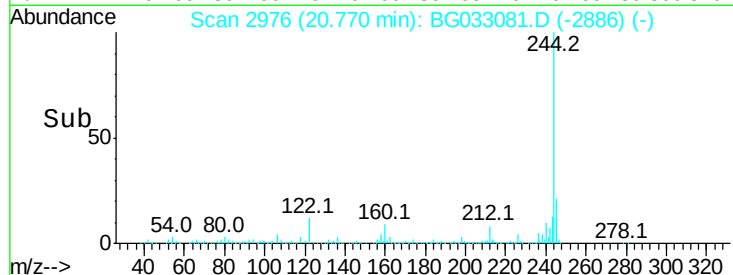
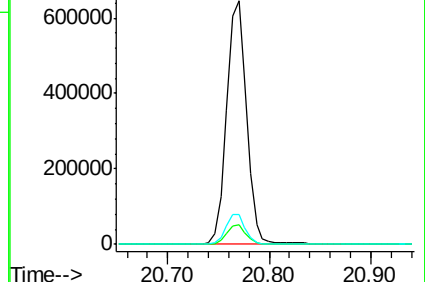
122 12.0 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033081.D

Acq: 9 Mar 2018 20:38

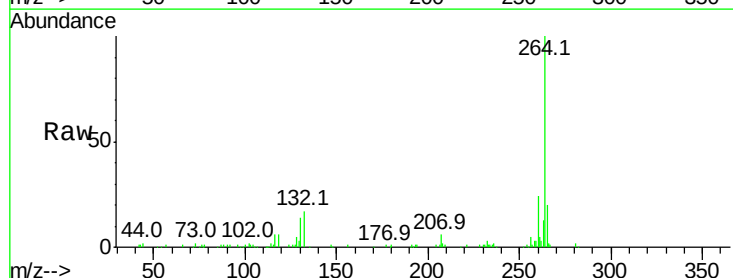
Tgt Ion:264 Resp: 222140

Ion Ratio Lower Upper

264 100

260 24.1 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

