

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033100.D
 Acq On : 12 Mar 2018 21:50
 Operator : SJ/JU
 Sample : PB107243BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:47:00 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

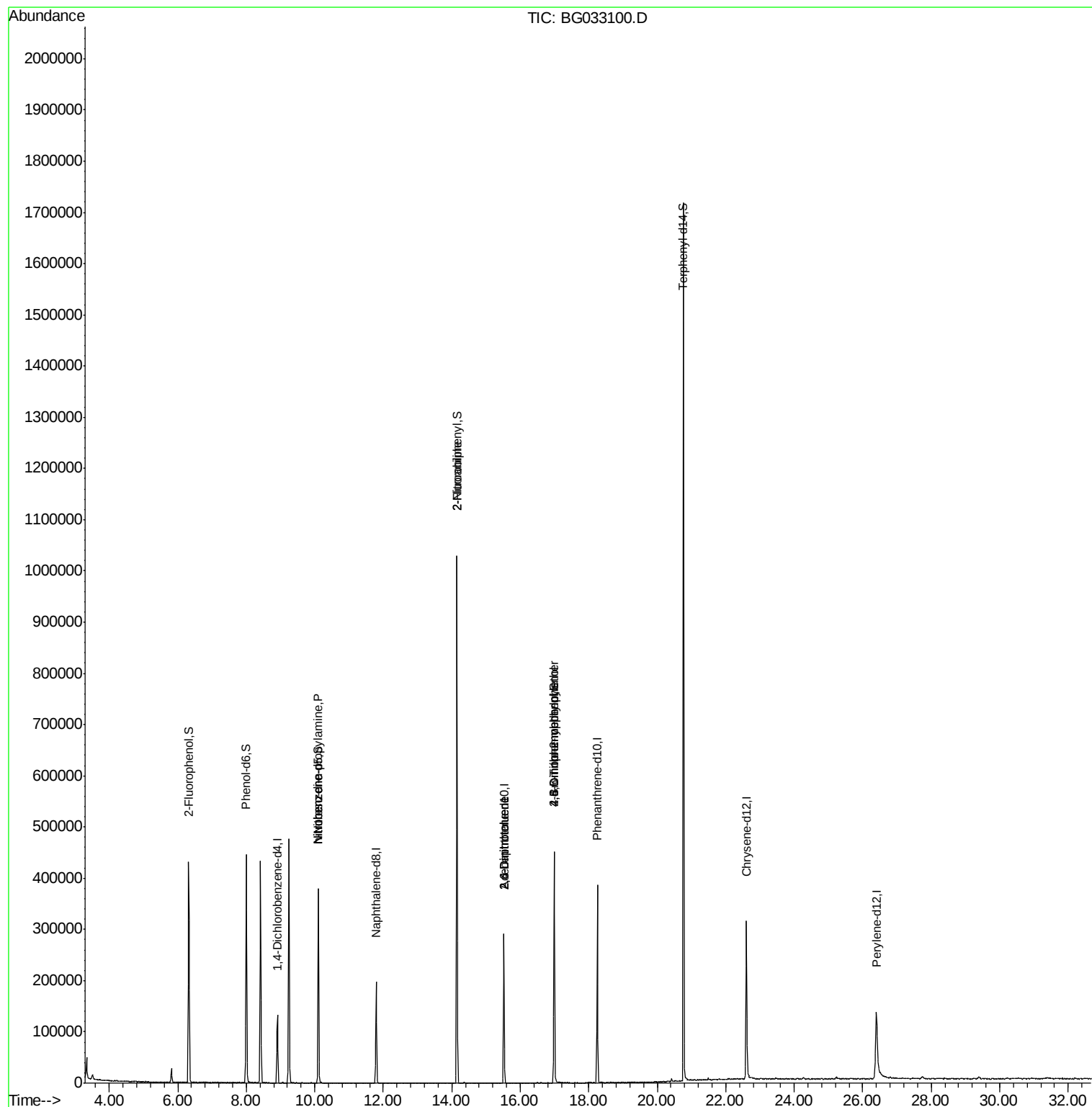
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	40012	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	174630	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	100147	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	238807	20.00	ng	0.00
75) Chrysene-d12	22.60	240	235548	20.00	ng	0.00
86) Perylene-d12	26.40	264	208051	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	201408	80.53	ng	0.00
7) Phenol-d6	8.00	99	271867	77.99	ng	0.00
23) Nitrobenzene-d5	10.11	82	237042	93.12	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	83411	79.21	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	533023	76.76	ng	0.00
78) Terphenyl-d14	20.76	244	809110	77.18	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.10	70	30090	12.227	ng	# 81
24) Nitrobenzene	10.10	77	582	6.562	ng	# 42
47) 2-Nitroaniline	14.15	65	878	10.259	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	12967	16.403	ng	# 18
56) 2,4-Dinitrotoluene	15.52	165	12967	14.601	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	193	5.292	ng	# 7
66) 4-Bromophenyl-phenylether	16.99	248	5539	2.194	ng	# 1

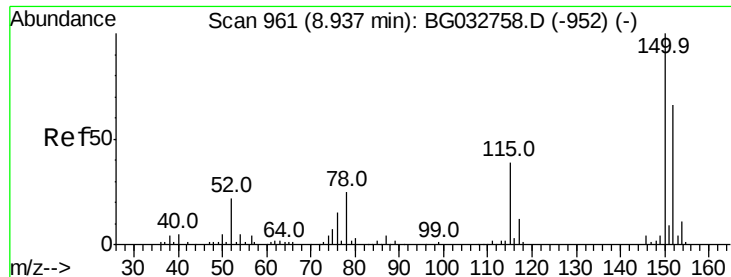
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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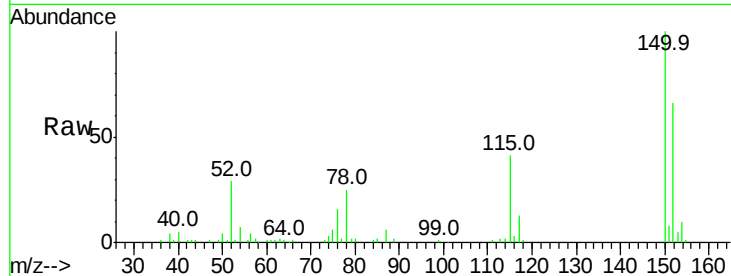


#1

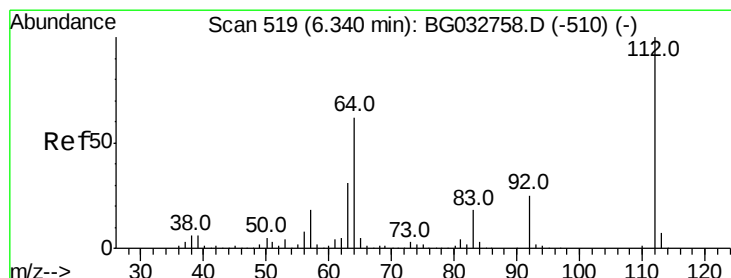
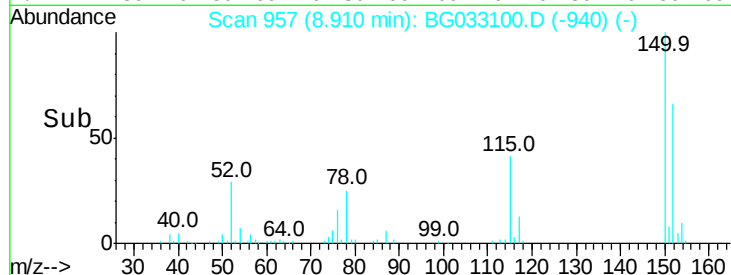
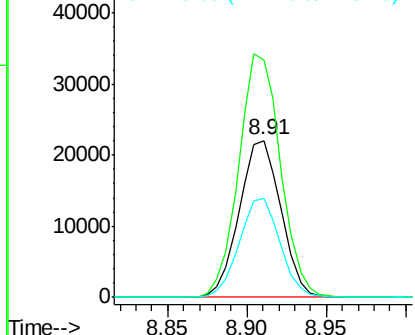
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033100.D
Acq: 12 Mar 2018 21:50

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 40012
Ion Ratio Lower Upper
152 100
150 151.3 126.6 189.8
115 62.7 53.0 79.4



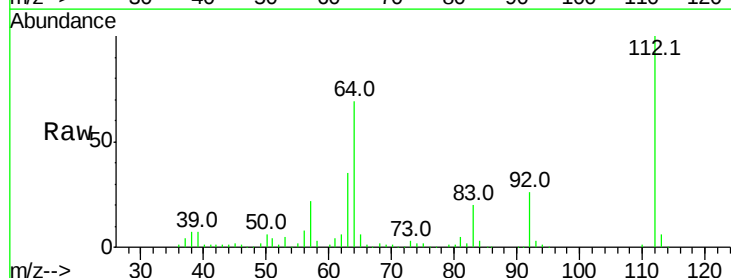
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



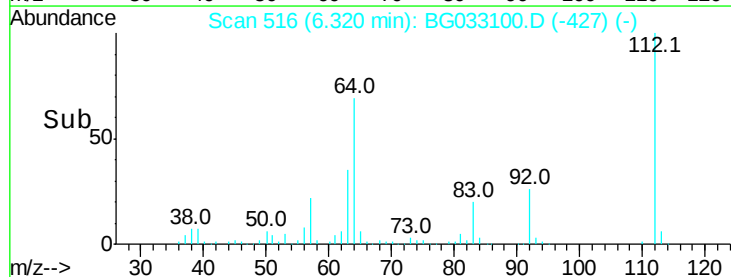
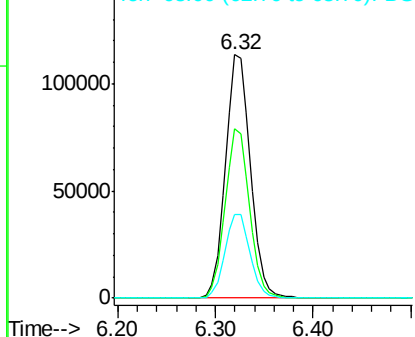
#5

2-Fluorophenol
Concen: 80.532 ng
RT: 6.32 min Scan# 516
Delta R.T. -0.00 min
Lab File: BG033100.D
Acq: 12 Mar 2018 21:50

Tgt Ion:112 Resp: 201408
Ion Ratio Lower Upper
112 100
64 69.5 56.3 84.5
63 34.6 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: 77.988 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

Instrument :

BNA_G

ClientSampleId :

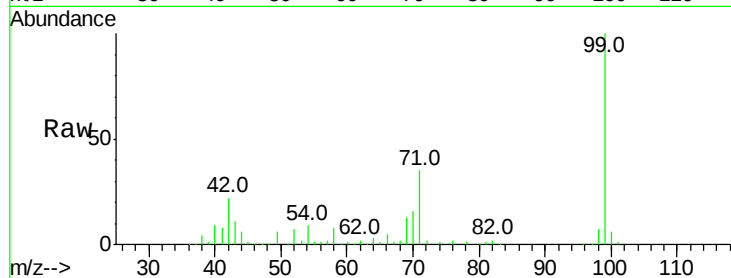
Tot Ion: 99 Resp: 271867

Ion Ratio Lower Upper

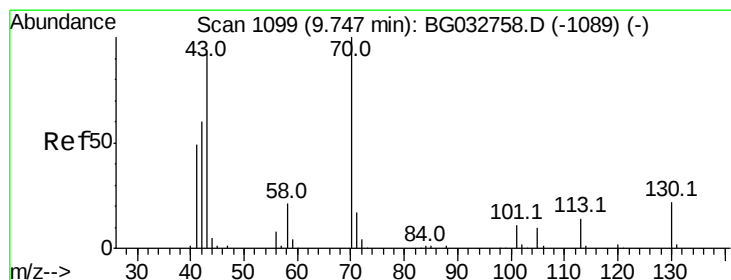
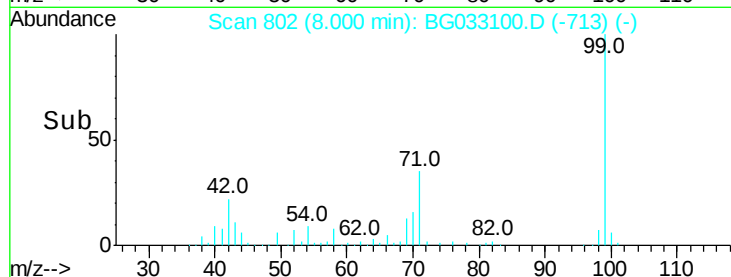
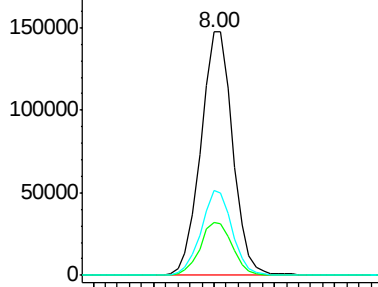
99 100

42 21.8 14.1 21.1#

71 35.0 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: 12.227 ng

RT: 10.10 min Scan# 1160

Delta R.T. 0.38 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

Tgt Ion: 70 Resp: 30090

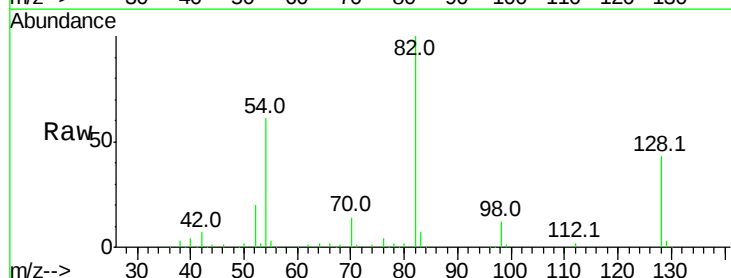
Ion Ratio Lower Upper

70 100

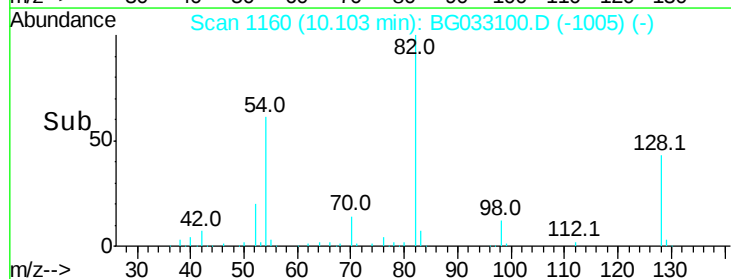
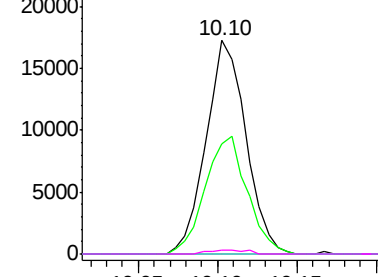
42 51.5 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 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

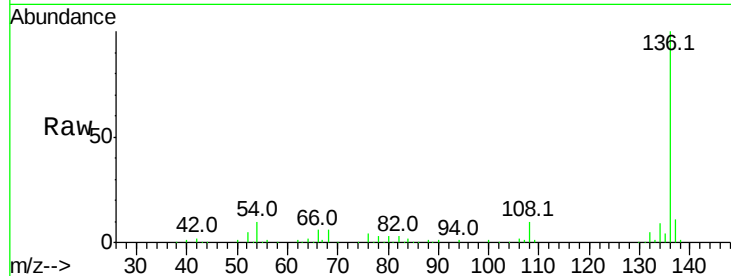




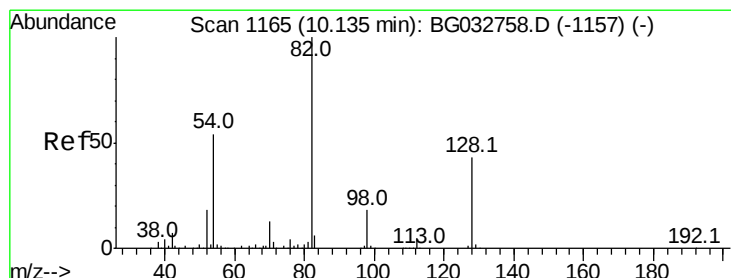
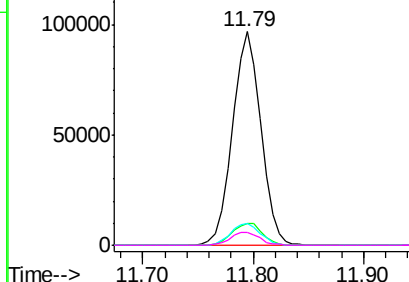
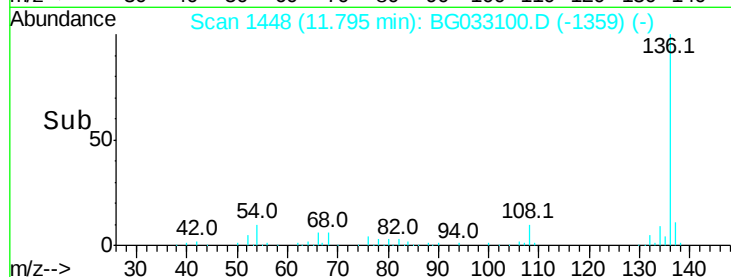
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033100.D
Acq: 12 Mar 2018 21:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	10.1	10.3	15.5
68	6.0	4.5	6.7

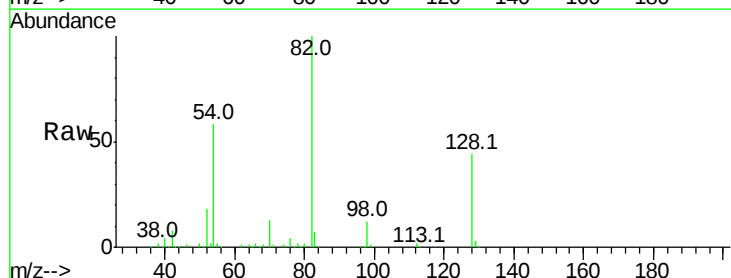


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

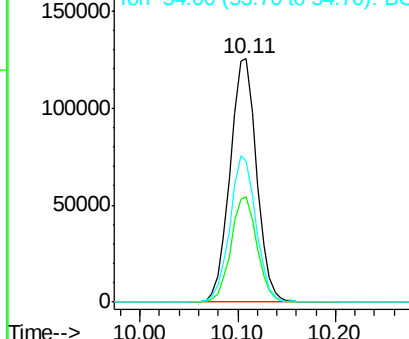
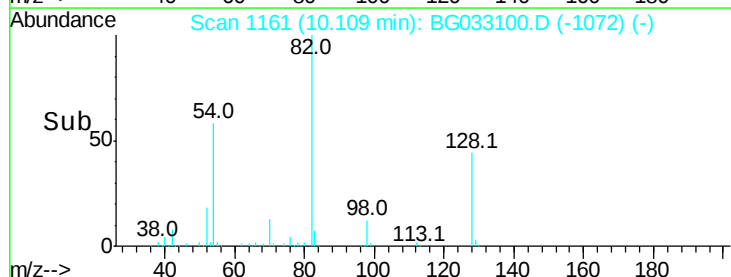


#23
Nitrobenzene-d5
Concen: 93.124 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033100.D
Acq: 12 Mar 2018 21:50

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.5	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: 6.562 ng

RT: 10.10 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

Instrument :

BNA_G

ClientSampled :

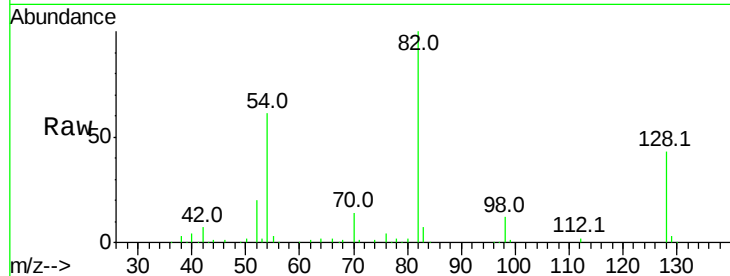
Tot Ion: 77 Resp: 582

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#

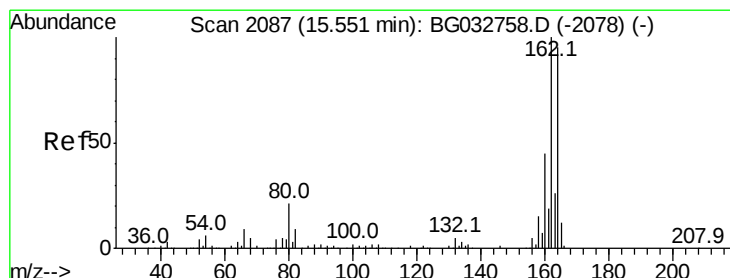
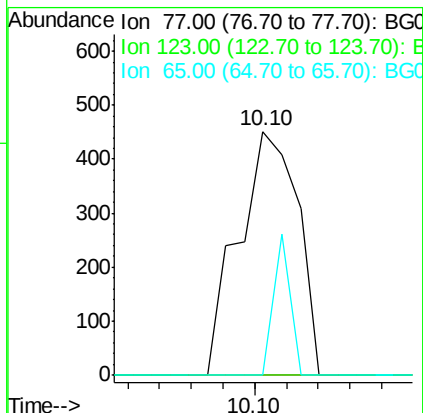
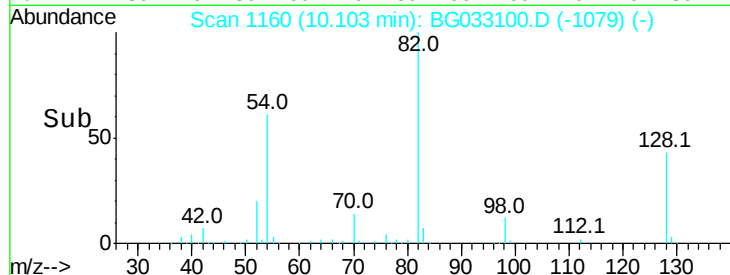


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

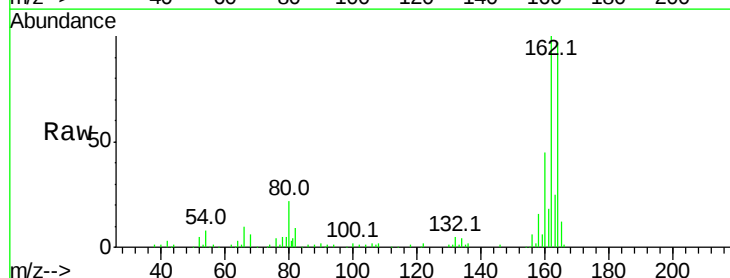
Tgt Ion:164 Resp: 100147

Ion Ratio Lower Upper

164 100

162 102.7 78.8 118.2

160 46.1 35.4 53.0

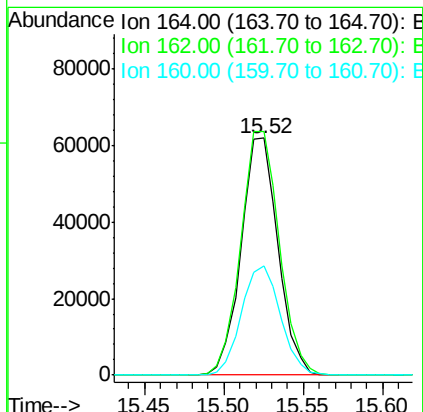
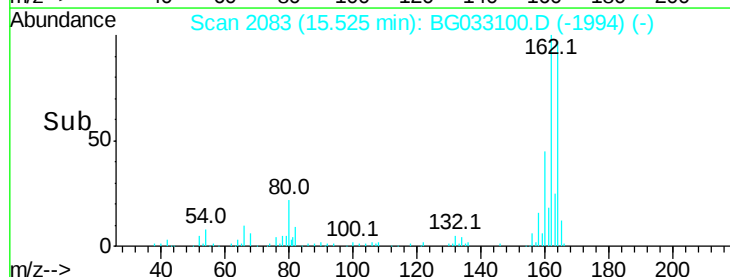


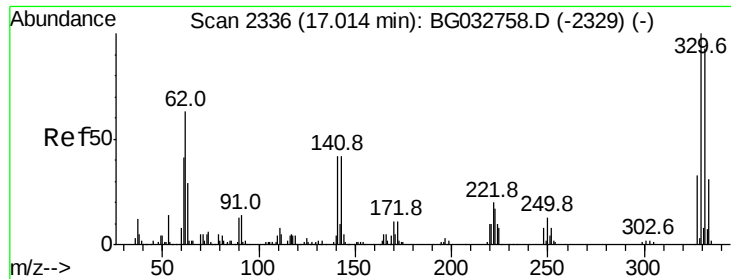
Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

Time-->

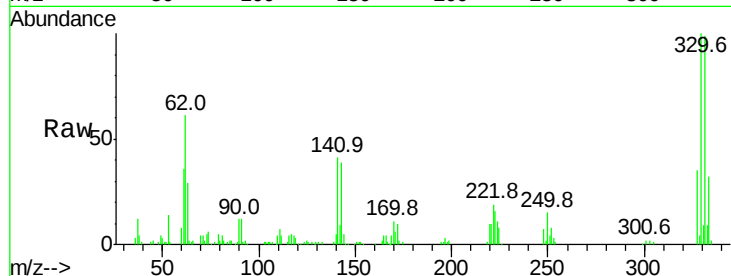




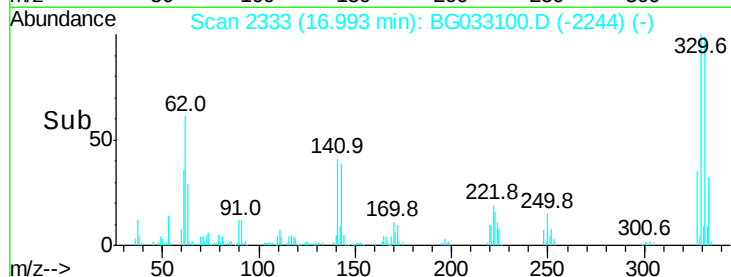
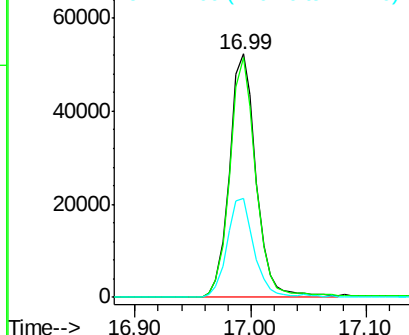
#41
 2,4,6-Tribromophenol
 Concen: 79.212 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 83411
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 40.7 25.2 37.8#

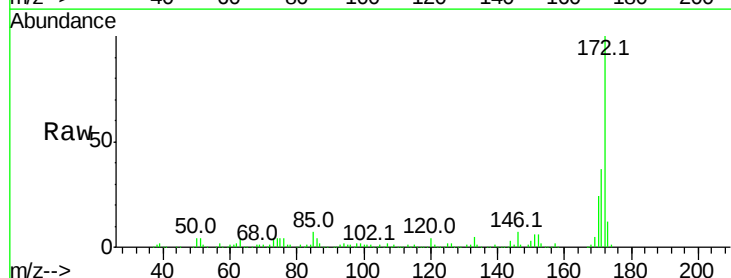


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

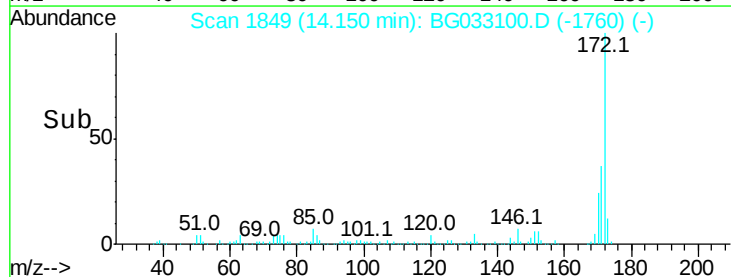
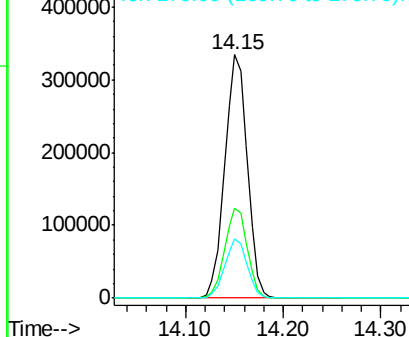


#44
 2-Fluorobiphenyl
 Concen: 76.763 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

Tgt Ion:172 Resp: 533023
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.2 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

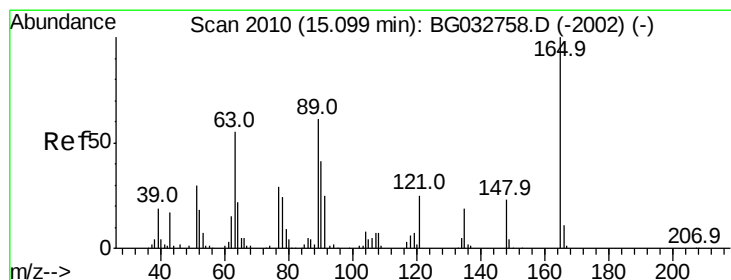
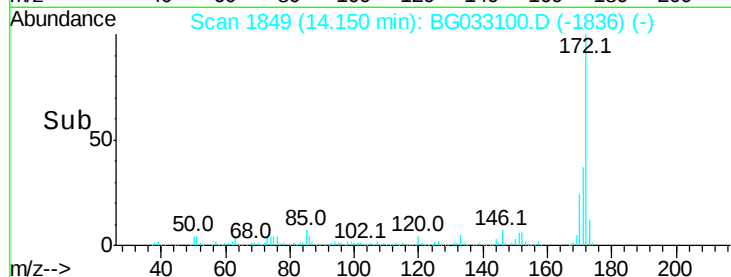
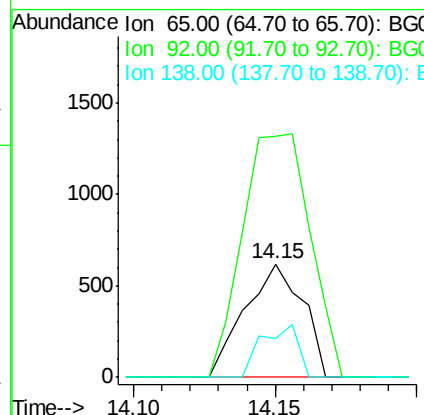
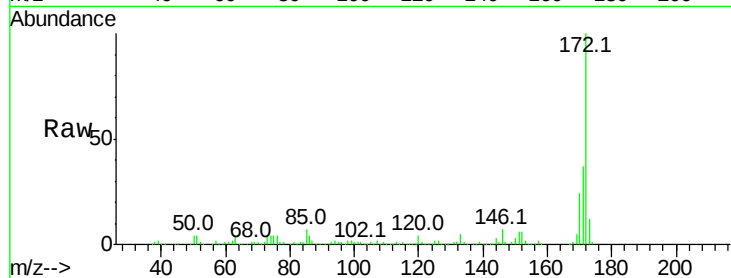




#47
 2-Nitroaniline
 Concen: 10.259 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.45 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

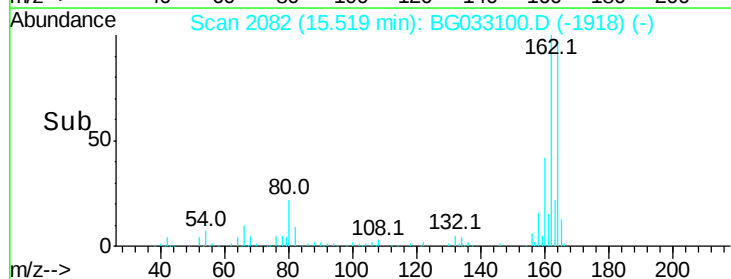
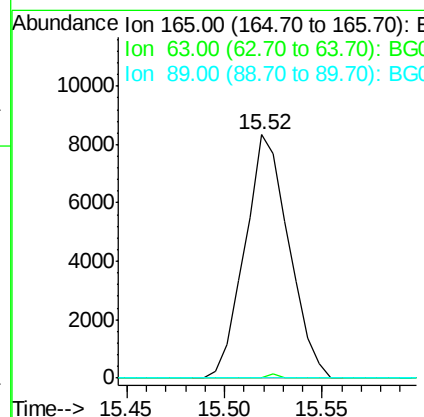
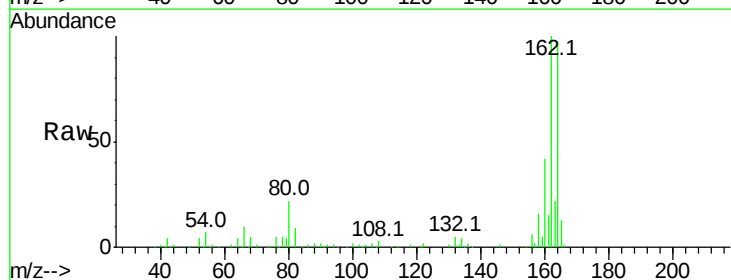
Instrument :
 BNA_G
 ClientSampleId :

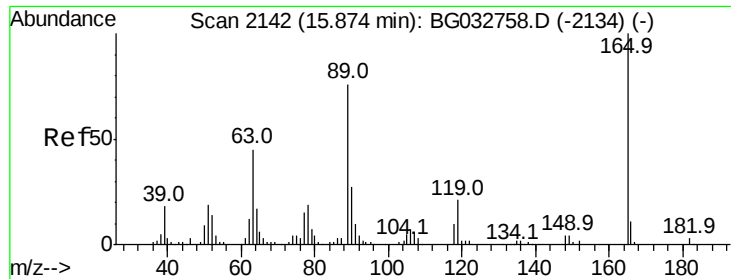
Tot Ion: 65 Resp: 878
 Ion Ratio Lower Upper
 65 100
 92 212.9 54.6 82.0#
 138 34.2 72.9 109.3#



#50
 2,6-Dinitrotoluene
 Concen: 16.403 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. 0.44 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

Tgt Ion:165 Resp: 12967
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

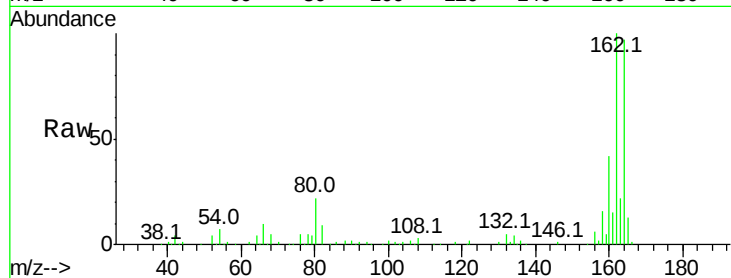




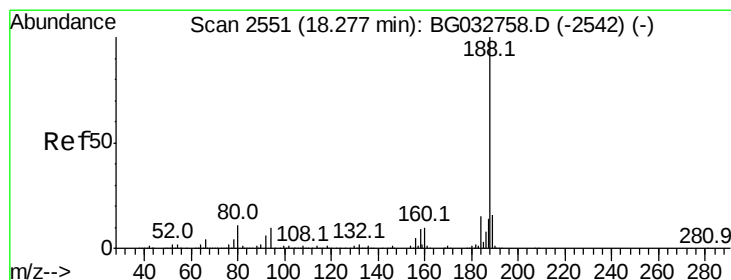
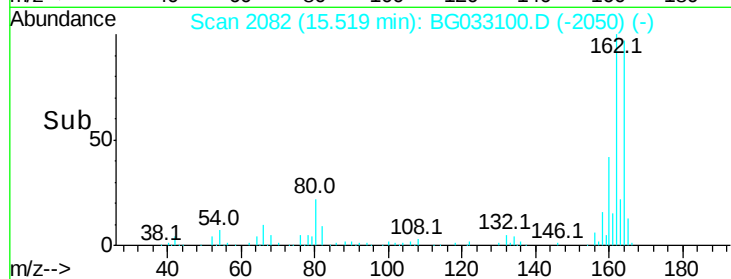
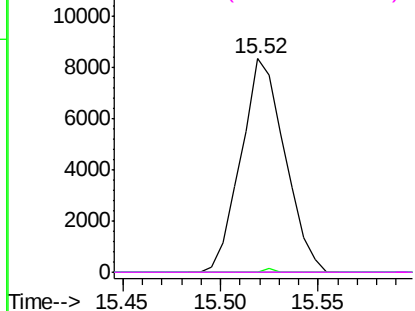
#56
 2,4-Dinitrotoluene
 Concen: 14.601 ng
 RT: 15.52 min Scan# 2082
 Delta R.T. -0.34 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 12967
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

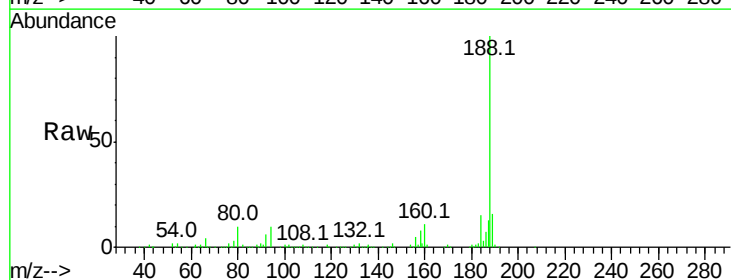


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

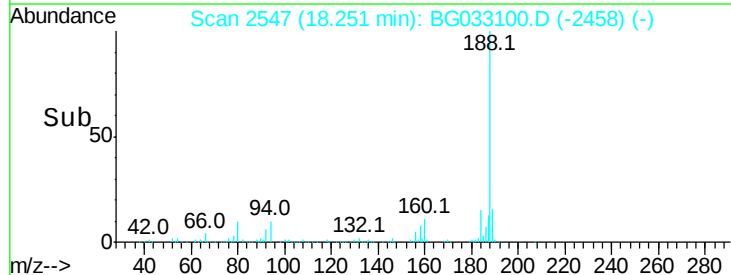
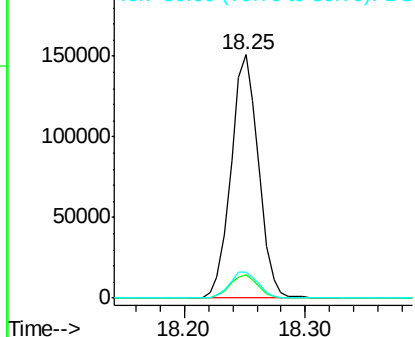


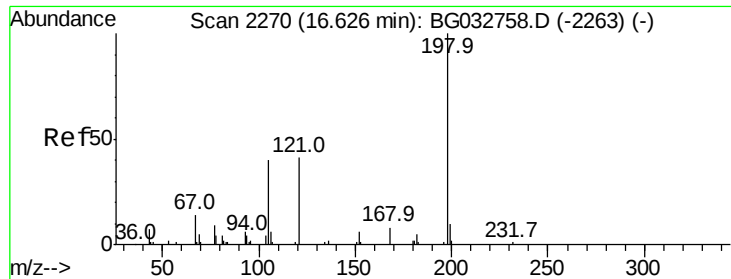
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.00 min
 Lab File: BG033100.D
 Acq: 12 Mar 2018 21:50

Tgt Ion:188 Resp: 238807
 Ion Ratio Lower Upper
 188 100
 94 9.6 6.9 10.3
 80 10.5 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: 5.292 ng

RT: 16.99 min Scan# 2333

Delta R.T. 0.38 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

Instrument :

BNA_G

ClientSampleId :

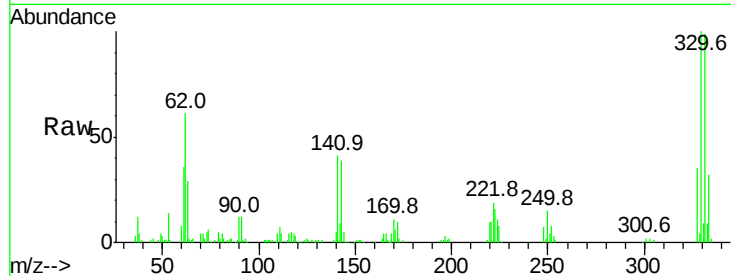
Tot Ion:198 Resp: 193

Ion Ratio Lower Upper

198 100

51 102.5 30.6 70.6#

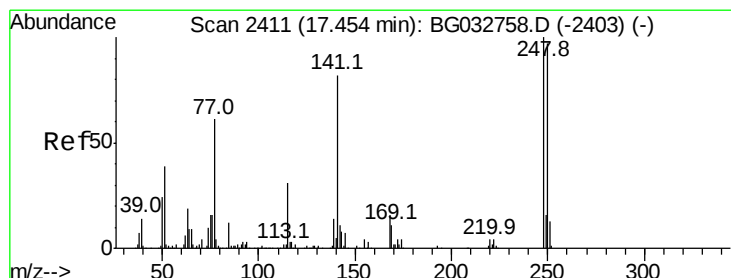
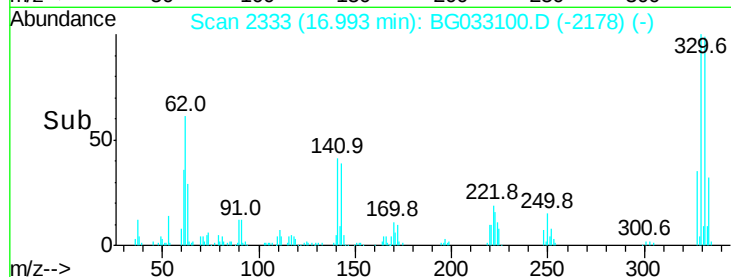
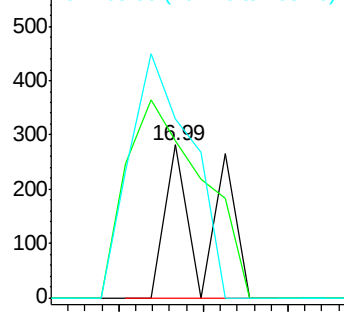
105 116.7 23.8 63.8#



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: 2.194 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.43 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

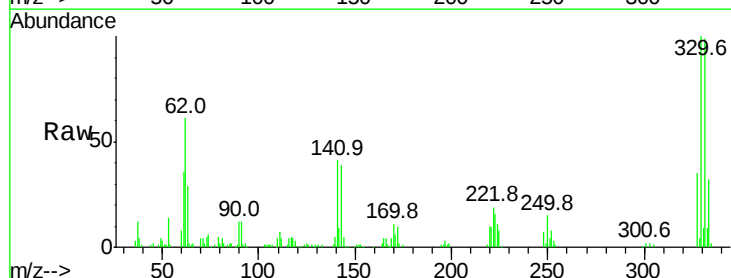
Tgt Ion:248 Resp: 5539

Ion Ratio Lower Upper

248 100

250 196.5 77.1 115.7#

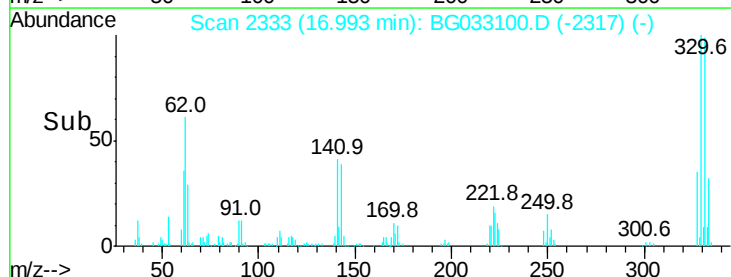
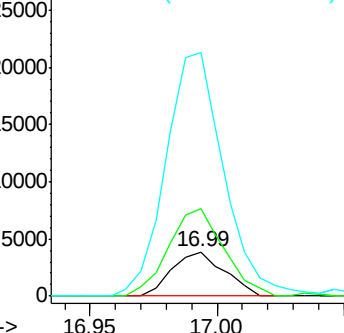
141 549.4 50.8 76.2#

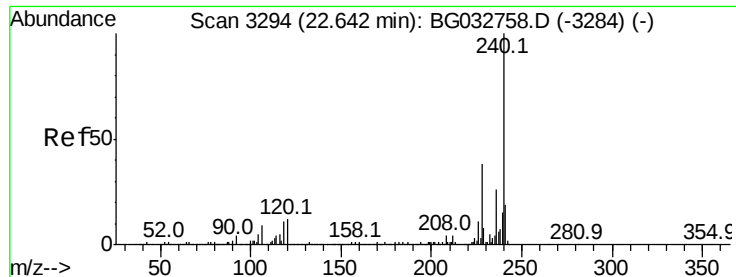


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

Instrument :

BNA_G

ClientSampled :

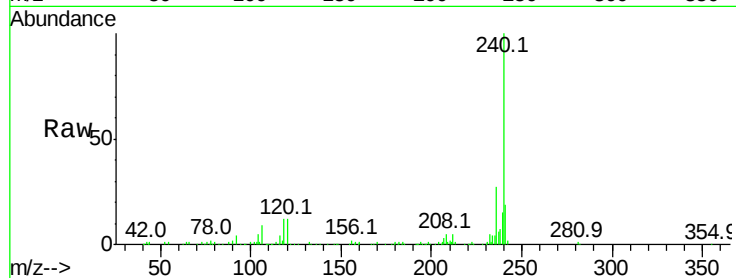
Tot Ion:240 Resp: 235548

Ion Ratio Lower Upper

240 100

120 11.6 6.8 10.2#

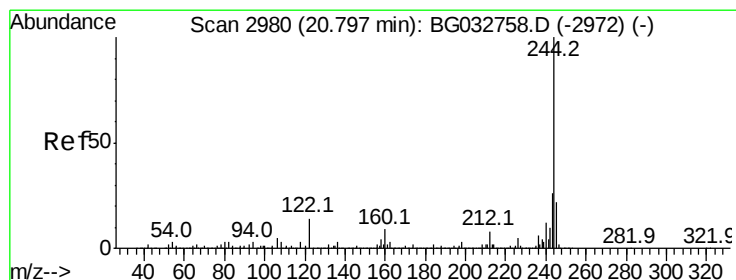
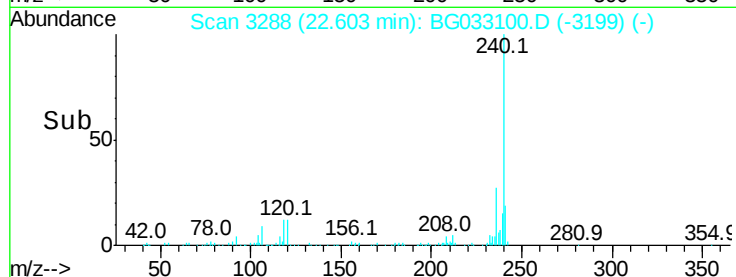
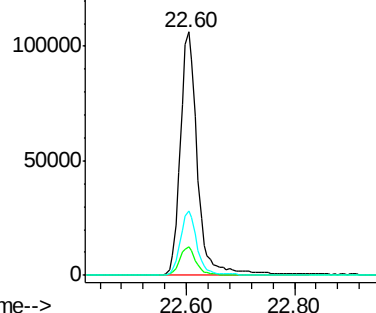
236 26.7 20.9 31.3



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



#78

Terphenyl-d14

Concen: 77.175 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033100.D

Acq: 12 Mar 2018 21:50

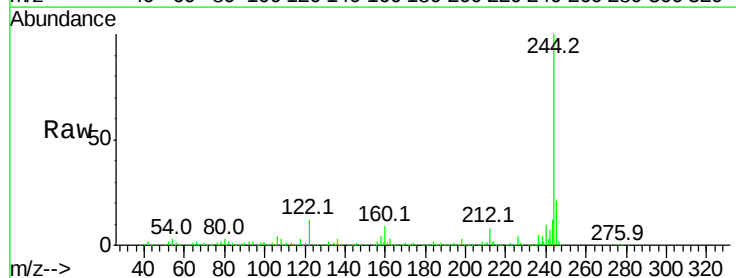
Tgt Ion:244 Resp: 809110

Ion Ratio Lower Upper

244 100

212 8.0 5.8 8.8

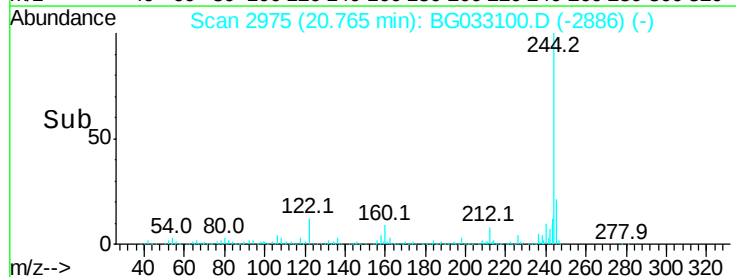
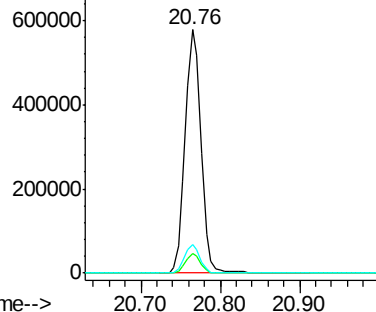
122 11.9 7.0 10.4#

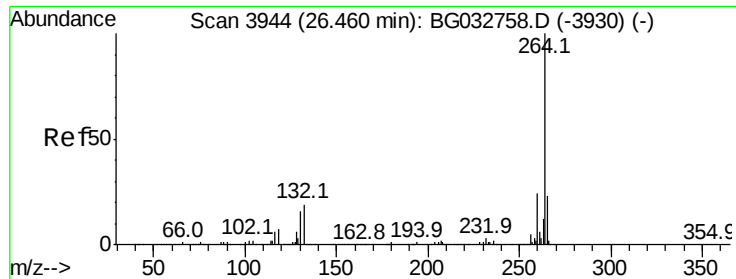


Abundance Ion 244.00 (243.70 to 244.70): E

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: 26.40 min Scan# 3934
Delta R.T. -0.01 min
Lab File: BG033100.D
Acq: 12 Mar 2018 21:50

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 208051

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	22.8	17.7	26.5

