

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033106.D
 Acq On : 13 Mar 2018 2:14
 Operator : SJ/JU
 Sample : J1867-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 03:49:25 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

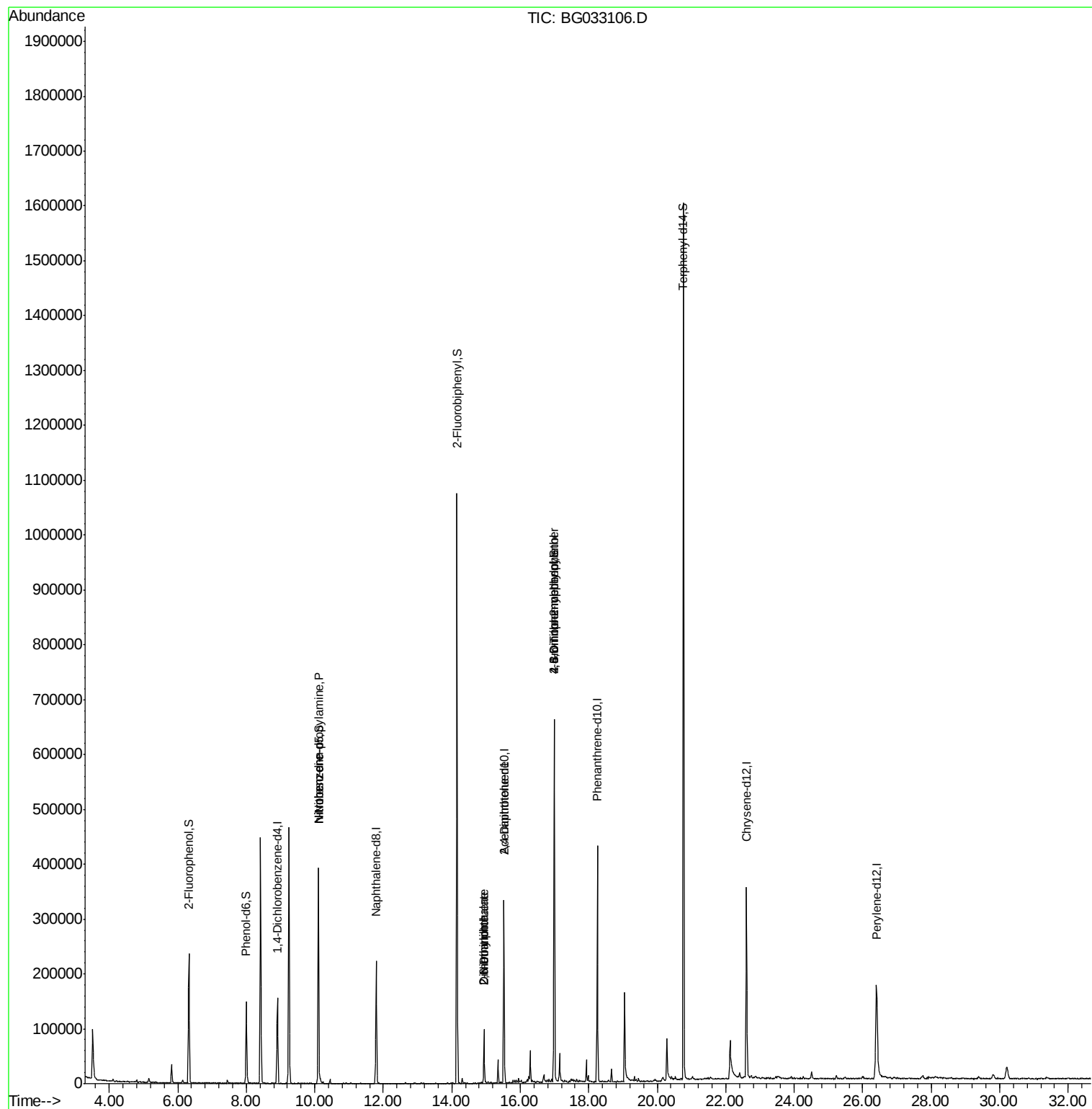
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	46319	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	197919	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	112386	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	253490	20.00	ng	0.00
75) Chrysene-d12	22.60	240	237097	20.00	ng	0.00
86) Perylene-d12	26.40	264	233822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	111387	38.47	ng	0.00
7) Phenol-d6	8.00	99	92151	22.84	ng	0.00
23) Nitrobenzene-d5	10.11	82	246423	86.24	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	121726	103.01	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	543157	69.70	ng	0.00
78) Terphenyl-d14	20.76	244	768189	72.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	32164	11.290	ng	# 87
24) Nitrobenzene	10.11	77	613	6.549	ng	# 36
47) 2-Nitroaniline	14.94	65	529	10.063	ng	# 1
49) Dimethylphthalate	14.94	163	60334	6.323	ng	# 99
50) 2,6-Dinitrotoluene	14.94	165	453	9.132	ng	# 14
56) 2,4-Dinitrotoluene	15.52	165	14699	14.678	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.99	198	148	5.196	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	8496	3.170	ng	# 1

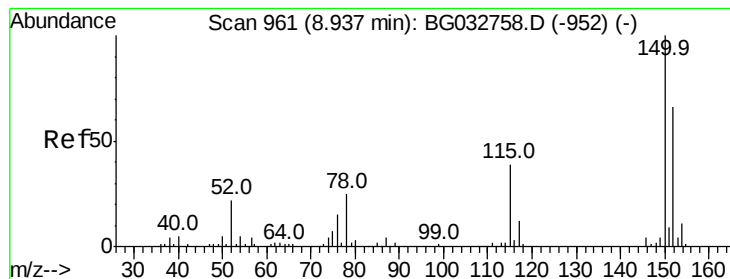
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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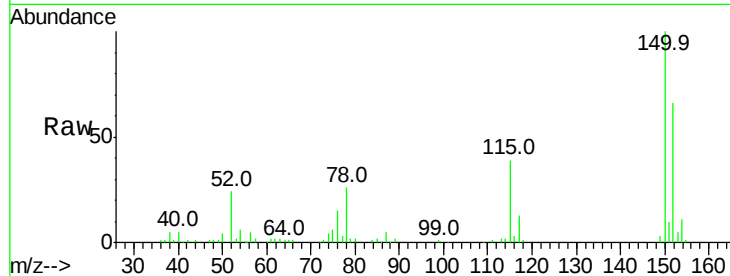


#1

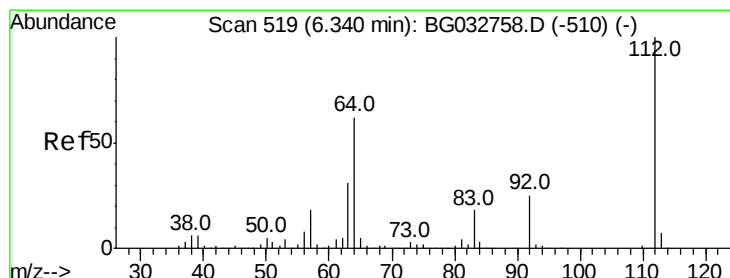
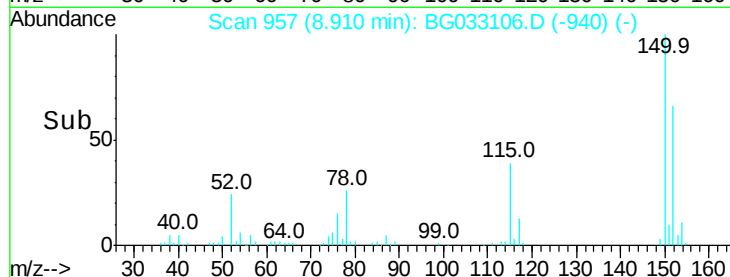
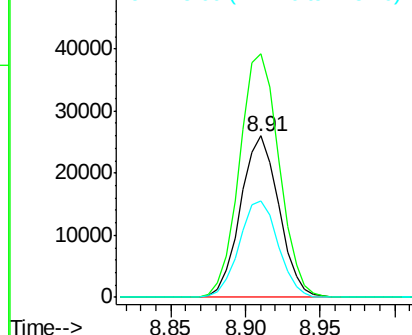
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 46319
Ion Ratio Lower Upper
152 100
150 151.0 126.6 189.8
115 59.6 53.0 79.4



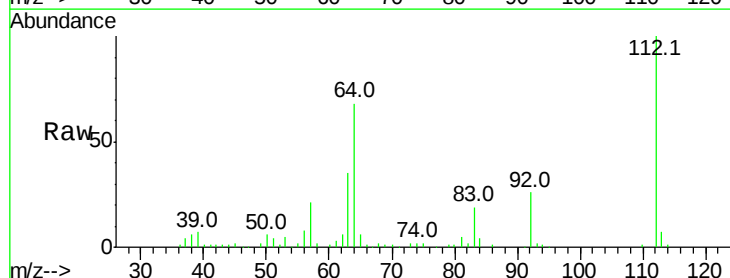
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



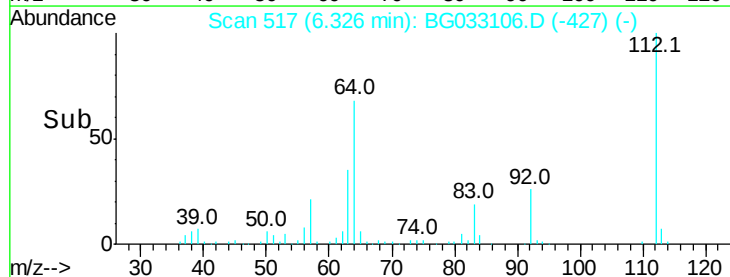
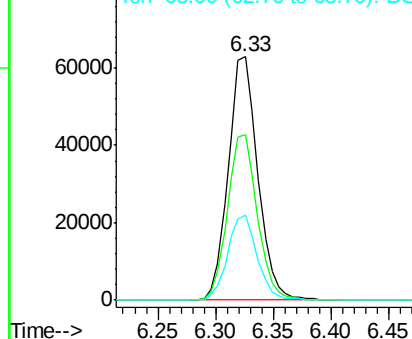
#5

2-Fluorophenol
Concen: 38.473 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Tgt Ion:112 Resp: 111387
Ion Ratio Lower Upper
112 100
64 67.8 56.3 84.5
63 35.0 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: 22.835 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

Instrument :

BNA_G

ClientSampleId :

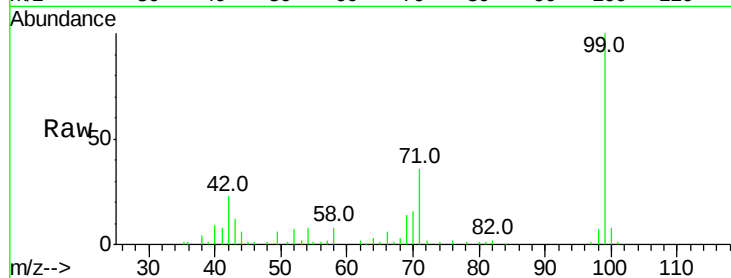
Tot Ion: 99 Resp: 92151

Ion Ratio Lower Upper

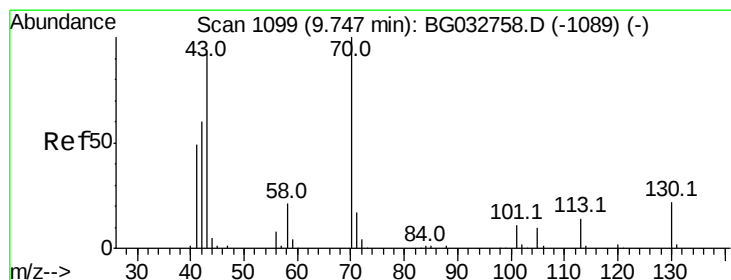
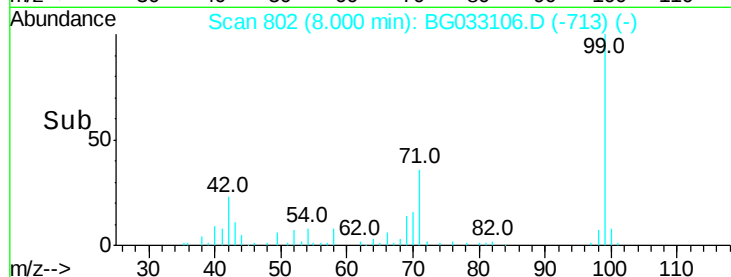
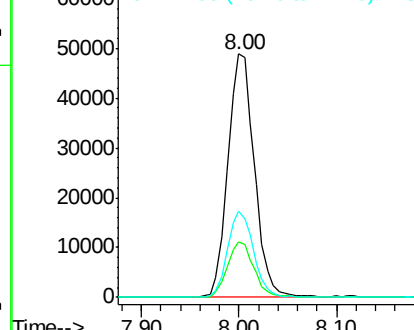
99 100

42 22.5 14.1 21.1#

71 35.6 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: 11.290 ng

RT: 10.11 min Scan# 1161

Delta R.T. 0.39 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

Tgt Ion: 70 Resp: 32164

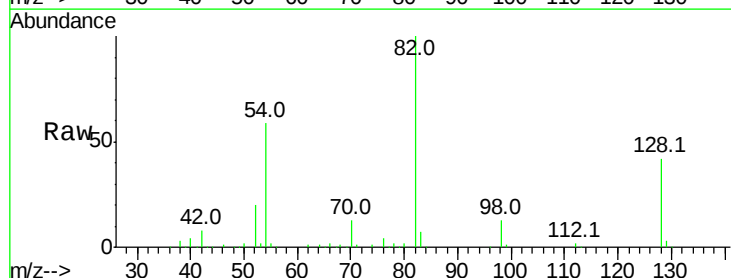
Ion Ratio Lower Upper

70 100

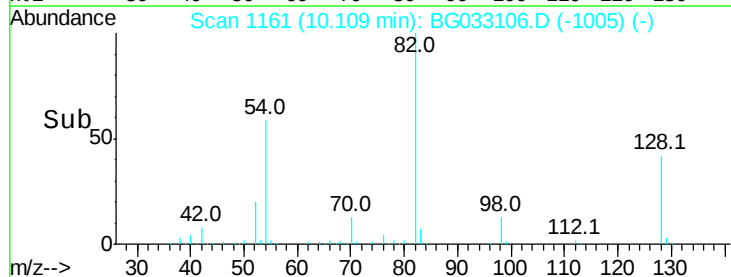
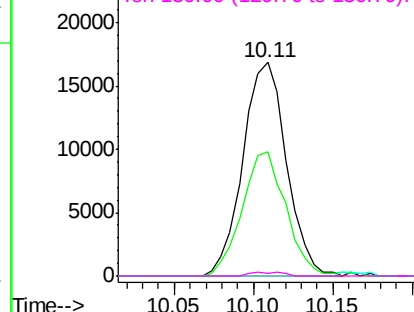
42 58.0 49.1 73.7

101 0.0 8.5 12.7#

130 1.5 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

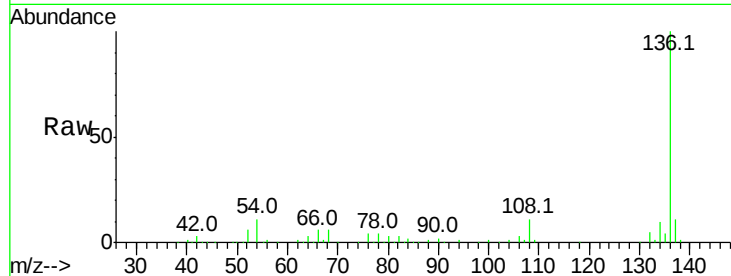




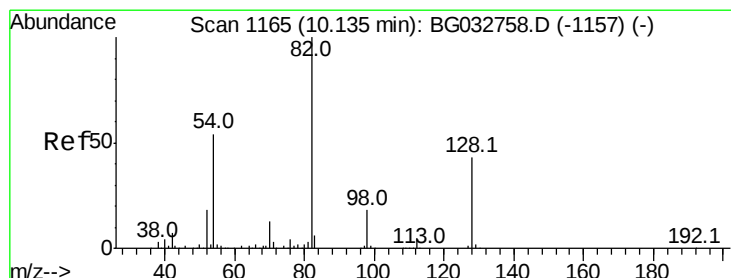
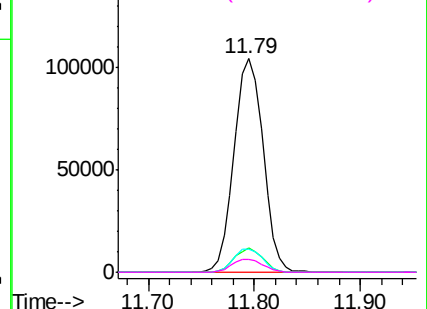
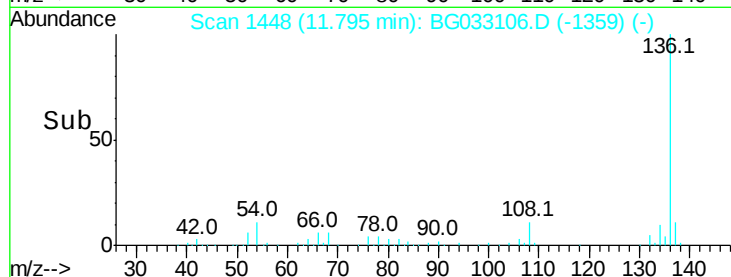
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	197919
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	10.9	10.3	15.5
68	6.0	4.5	6.7

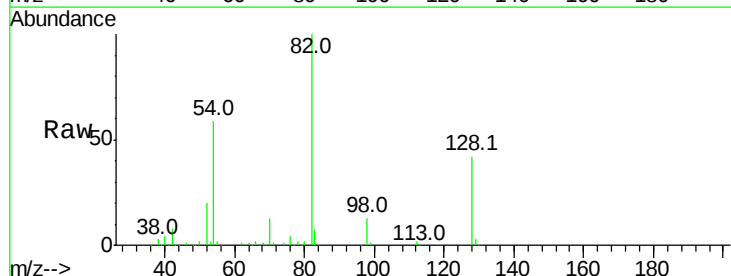


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

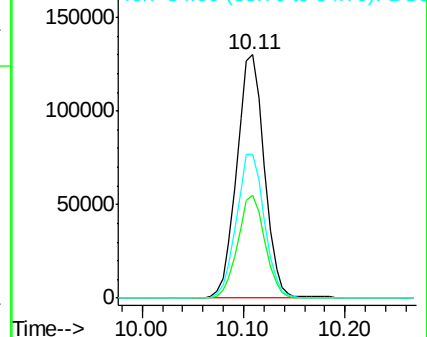
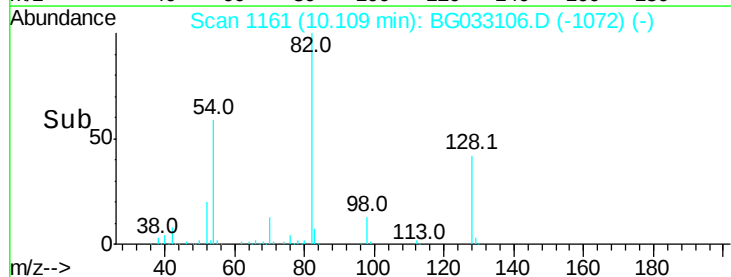


#23
Nitrobenzene-d5
Concen: 86.238 ng
RT: 10.11 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Tgt Ion:	82	Resp:	246423
Ion	Ratio	Lower	Upper
82	100		
128	42.1	29.7	44.5
54	59.1	43.1	64.7



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





#24

Nitrobenzene

Concen: 6.549 ng

RT: 10.11 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

Instrument :

BNA_G

ClientSampled :

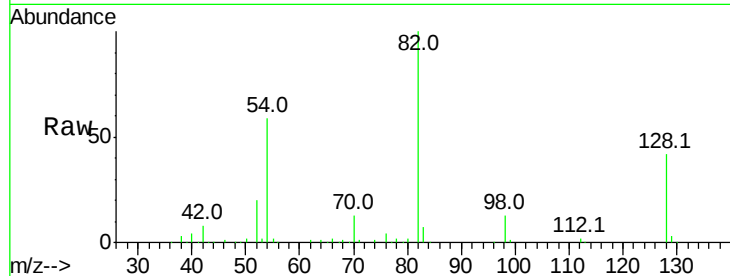
Tot Ion: 77 Resp: 613

Ion Ratio Lower Upper

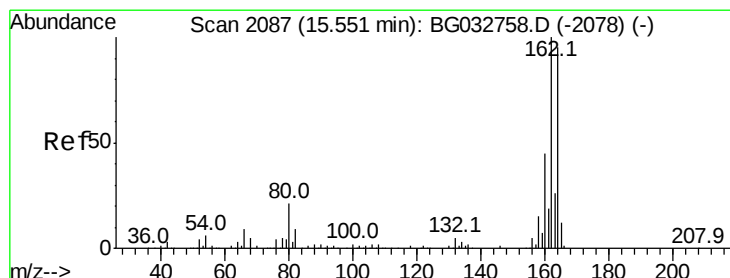
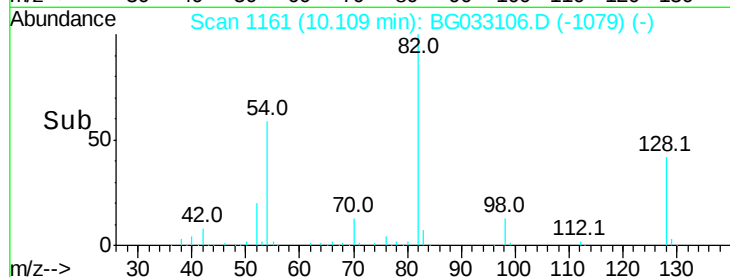
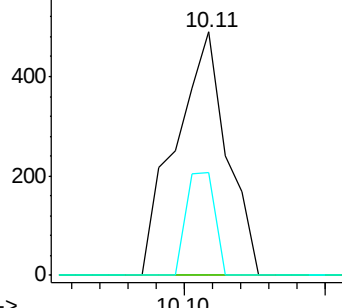
77 100

123 0.0 33.0 49.6#

65 42.0 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. -0.00 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

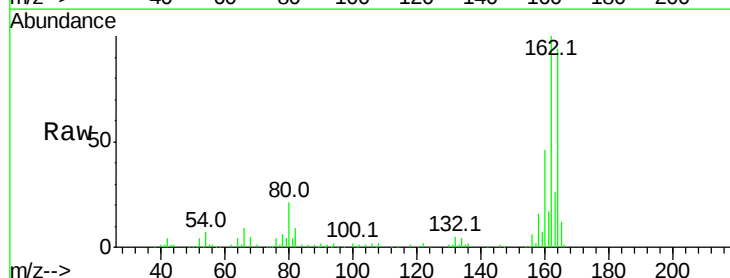
Tgt Ion: 164 Resp: 112386

Ion Ratio Lower Upper

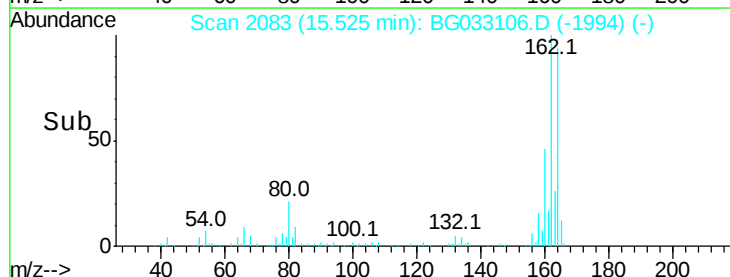
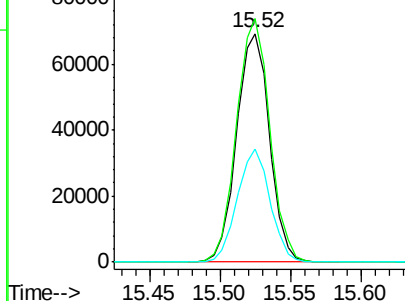
164 100

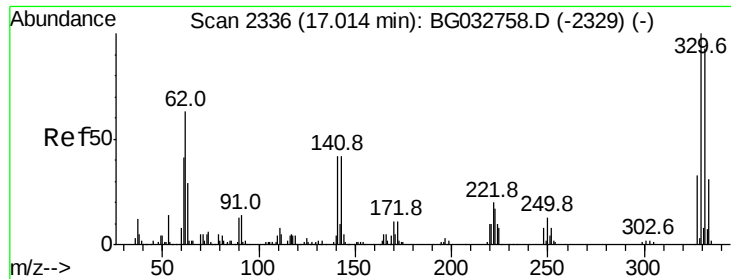
162 106.7 78.8 118.2

160 49.5 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

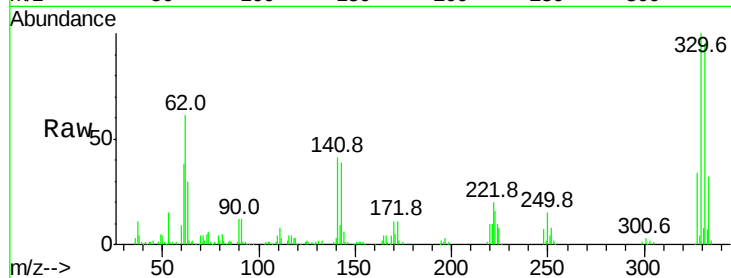




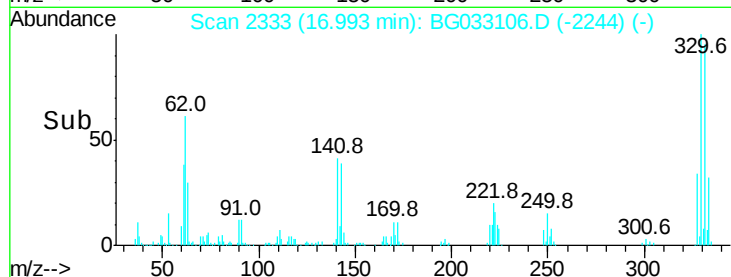
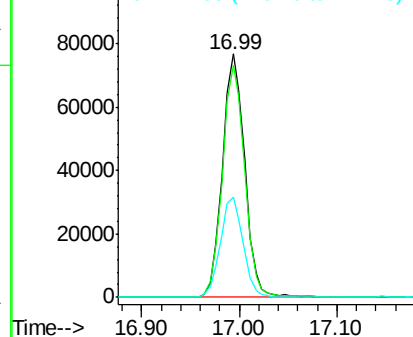
#41
 2,4,6-Tribromophenol
 Concen: 103.009 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: BG033106.D
 Acq: 13 Mar 2018 2:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 121726
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 42.0 25.2 37.8#

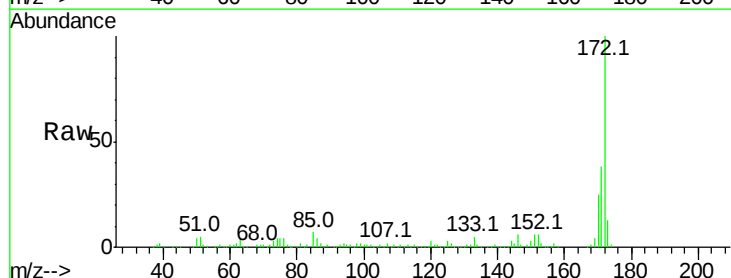


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

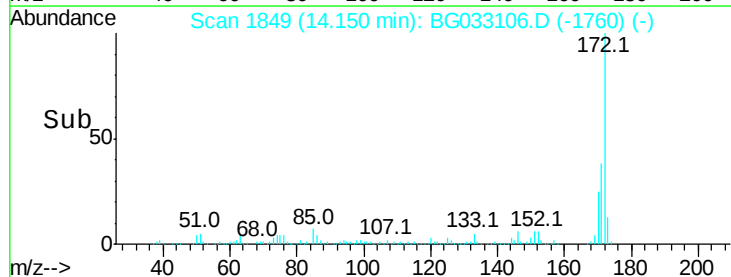
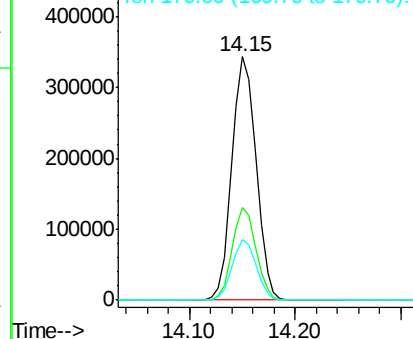


#44
 2-Fluorobiphenyl
 Concen: 69.703 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: BG033106.D
 Acq: 13 Mar 2018 2:14

Tgt Ion:172 Resp: 543157
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 25.0 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

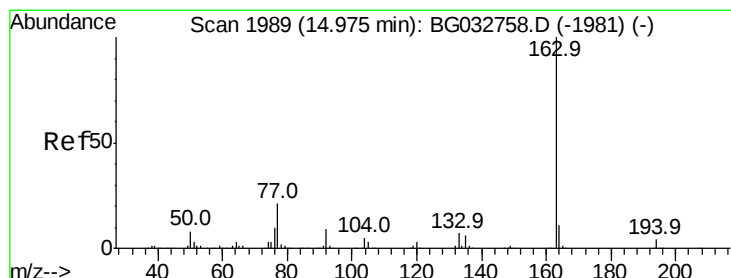
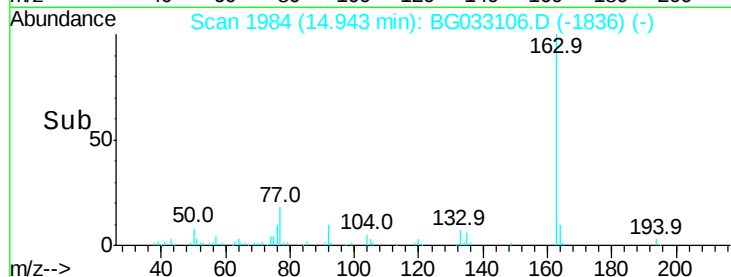
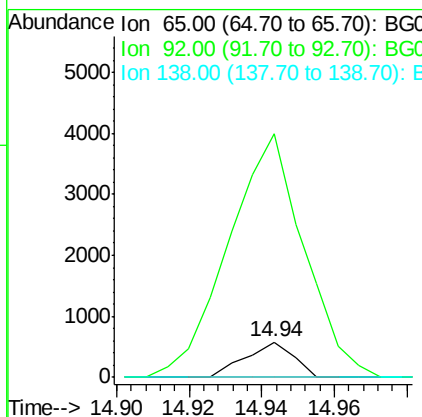
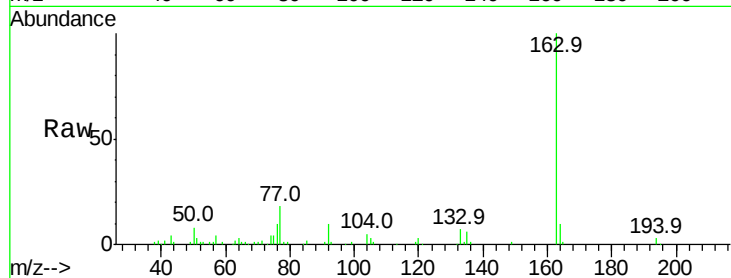




#47
2-Nitroaniline
Concen: 10.063 ng
RT: 14.94 min Scan# 1984
Delta R.T. 0.34 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

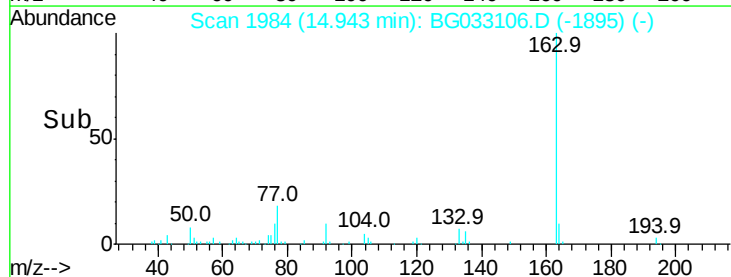
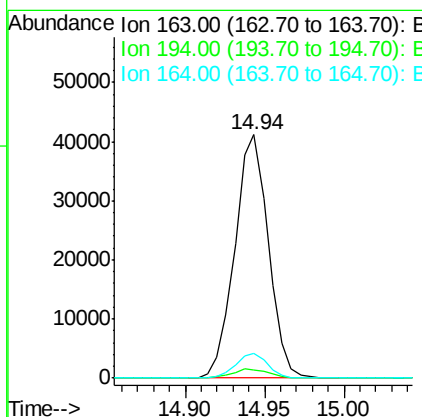
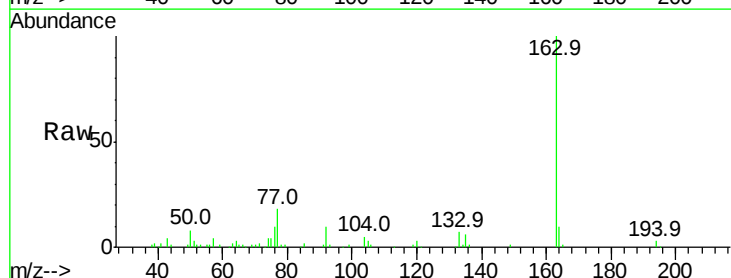
Instrument :
BNA_G
ClientSampled :

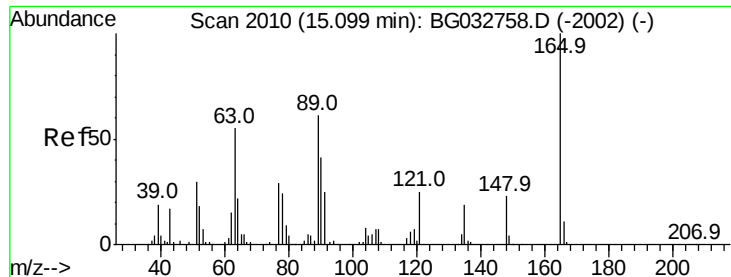
Tot Ion: 65 Resp: 529
Ion Ratio Lower Upper
65 100
92 691.9 54.6 82.0#
138 0.0 72.9 109.3#



#49
Dimethylphthalate
Concen: 6.323 ng
RT: 14.94 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Tgt Ion:163 Resp: 60334
Ion Ratio Lower Upper
163 100
194 3.1 3.4 5.2#
164 10.2 8.2 12.4

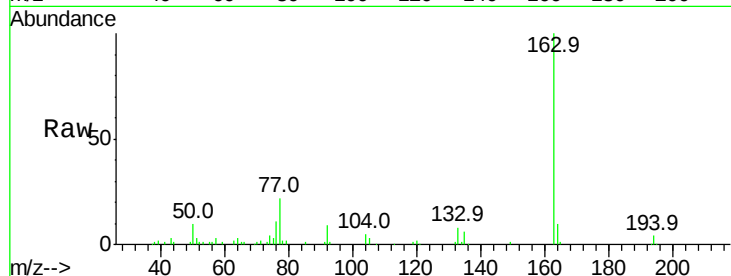




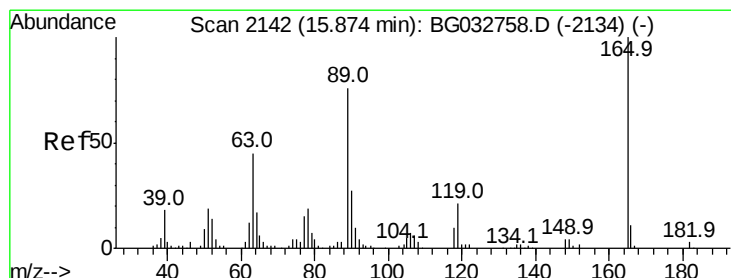
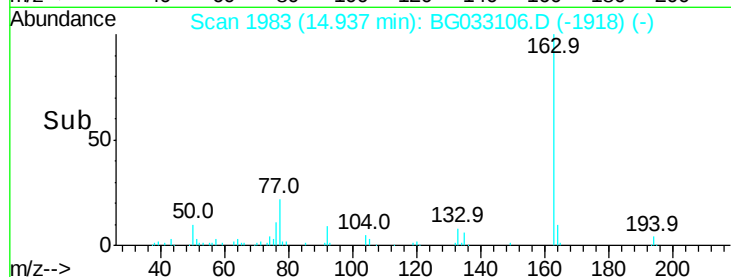
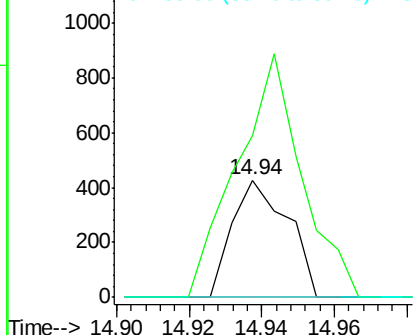
#50
2,6-Dinitrotoluene
Concen: 9.132 ng
RT: 14.94 min Scan# 1983
Delta R.T. -0.15 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Instrument :
BNA_G
ClientSampled :

Tot Ion:165 Resp: 453
Ion Ratio Lower Upper
165 100
63 138.0 52.7 79.1#
89 0.0 49.2 73.8#

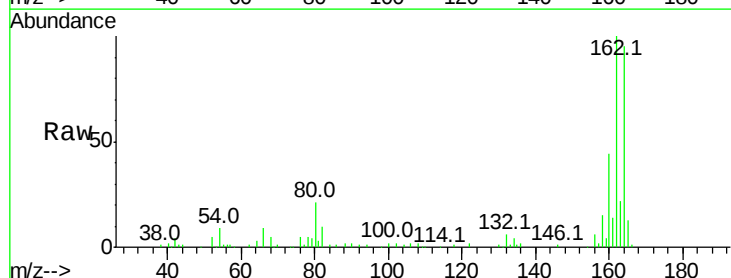


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

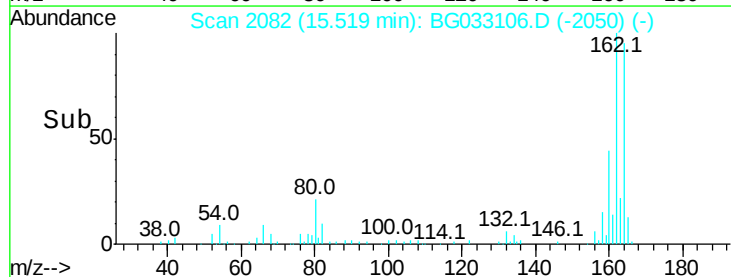
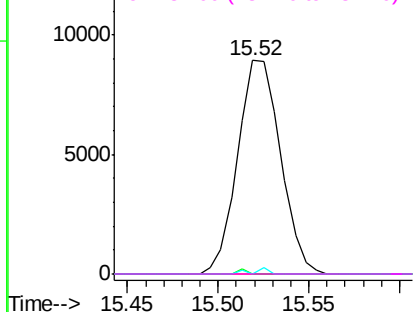


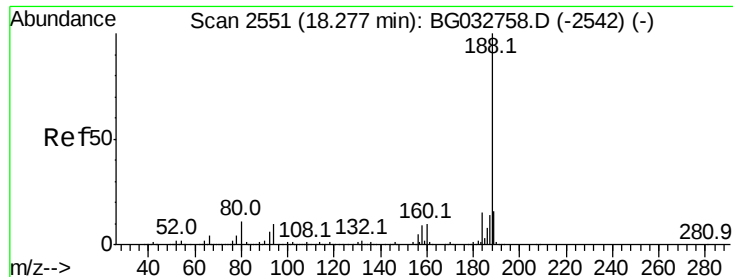
#56
2,4-Dinitrotoluene
Concen: 14.678 ng
RT: 15.52 min Scan# 2082
Delta R.T. -0.34 min
Lab File: BG033106.D
Acq: 13 Mar 2018 2:14

Tgt Ion:165 Resp: 14699
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: BG033106.D

Acq: 13 Mar 2018 2:14

Instrument :

BNA_G

ClientSampleId :

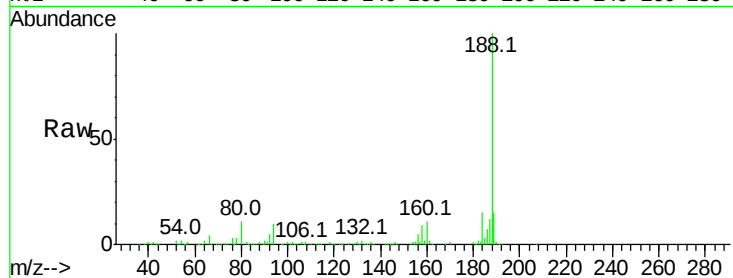
Tot Ion:188 Resp: 253490

Ion Ratio Lower Upper

188 100

94 9.8 6.9 10.3

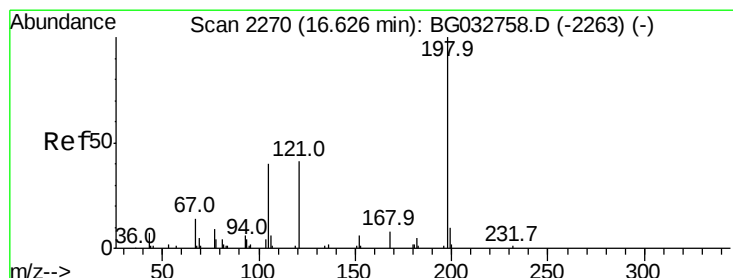
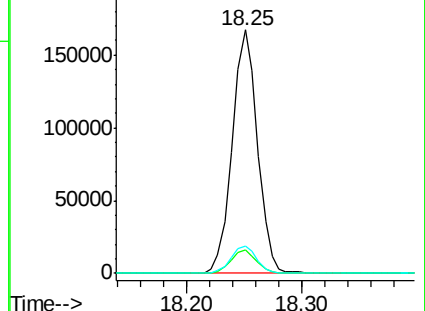
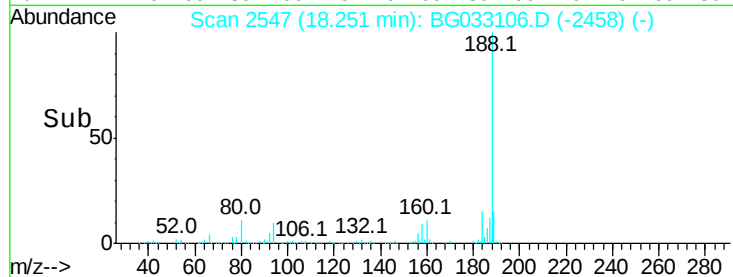
80 11.2 7.7 11.5



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: 5.196 ng

RT: 16.99 min Scan# 2332

Delta R.T. 0.38 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

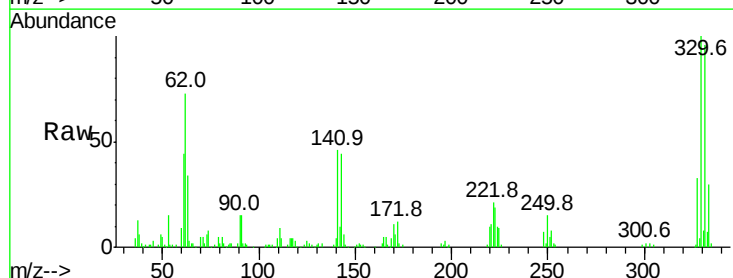
Tgt Ion:198 Resp: 148

Ion Ratio Lower Upper

198 100

51 162.1 30.6 70.6#

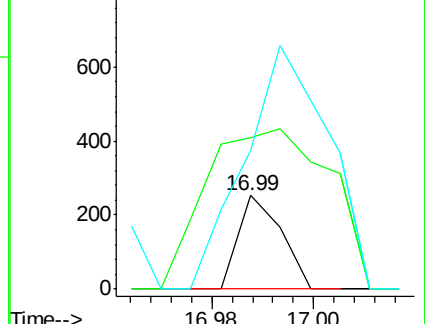
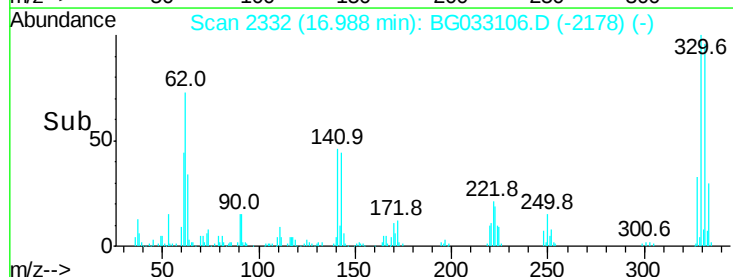
105 147.4 23.8 63.8#

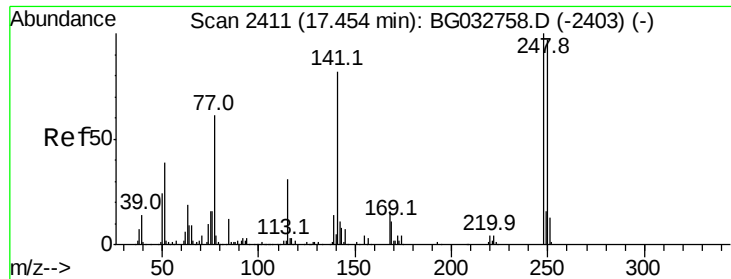


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

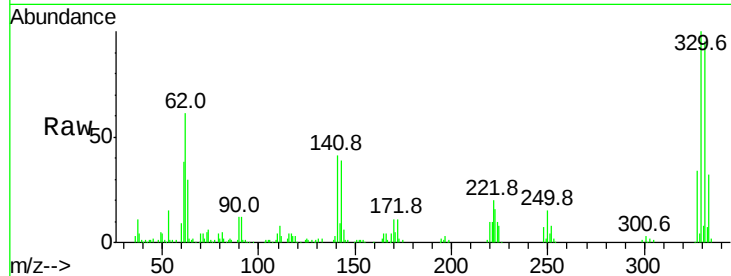




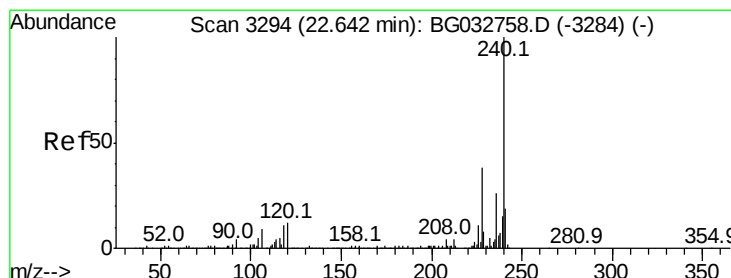
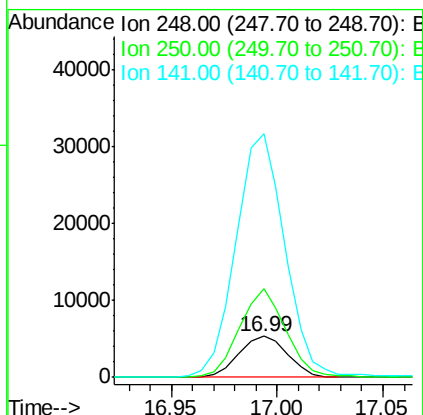
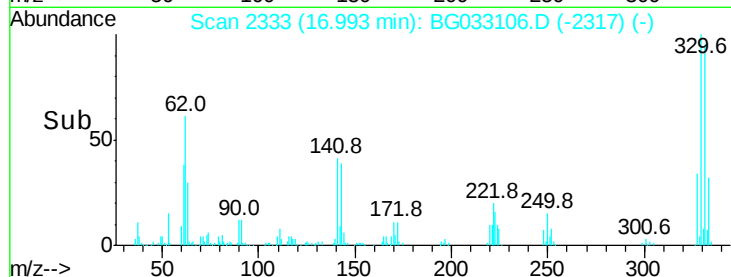
#66
 4-Bromophenyl-phenylether
 Concen: 3.170 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. -0.43 min
 Lab File: BG033106.D
 Acq: 13 Mar 2018 2:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 8496
 Ion Ratio Lower Upper
 248 100
 250 215.7 77.1 115.7#
 141 589.5 50.8 76.2#

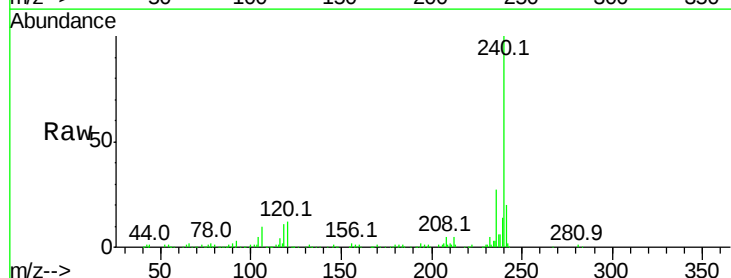


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

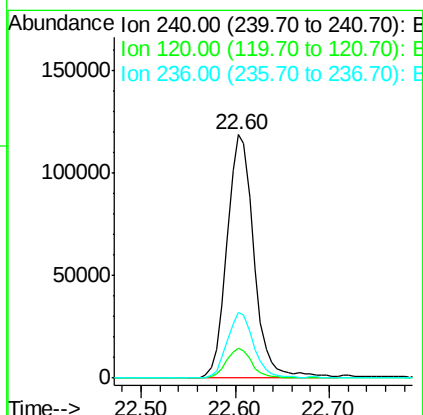
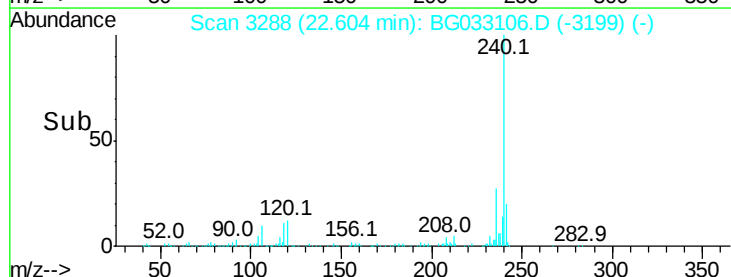


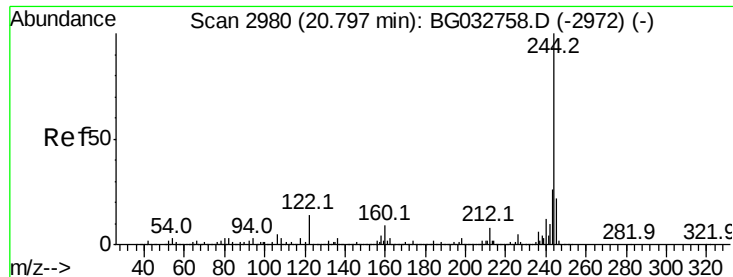
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033106.D
 Acq: 13 Mar 2018 2:14

Tgt Ion:240 Resp: 237097
 Ion Ratio Lower Upper
 240 100
 120 12.0 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: 72.794 ng

RT: 20.76 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

Instrument :

BNA_G

ClientSampleId :

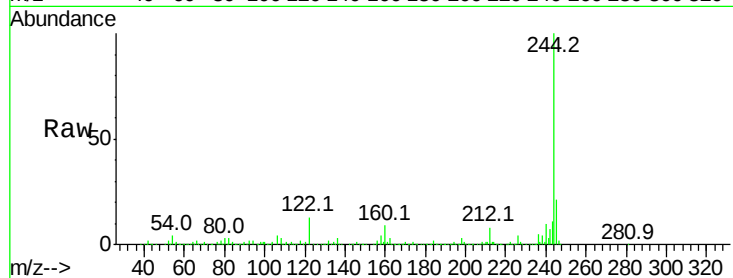
Tot Ion:244 Resp: 768189

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

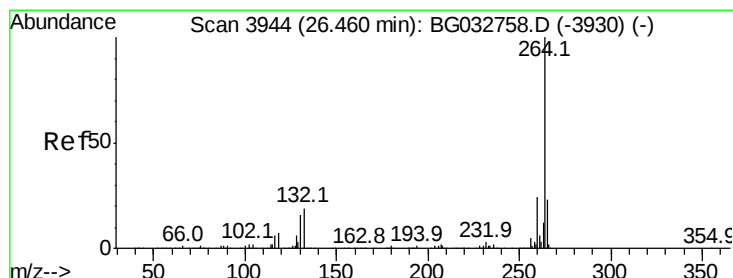
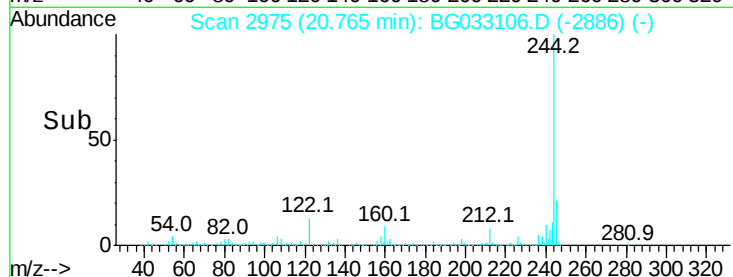
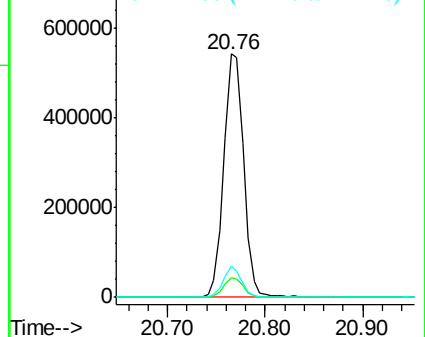
122 12.6 7.0 10.4#



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: 26.40 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033106.D

Acq: 13 Mar 2018 2:14

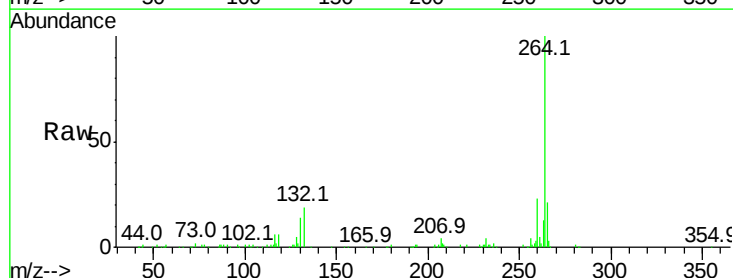
Tgt Ion:264 Resp: 233822

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.2 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

