

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG031918\
 Data File : BG033257.D
 Acq On : 20 Mar 2018 1:59
 Operator : SJ/JU
 Sample : J1953-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 20 03:41:40 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 16:48:53 2018
 Response via : Initial Calibration

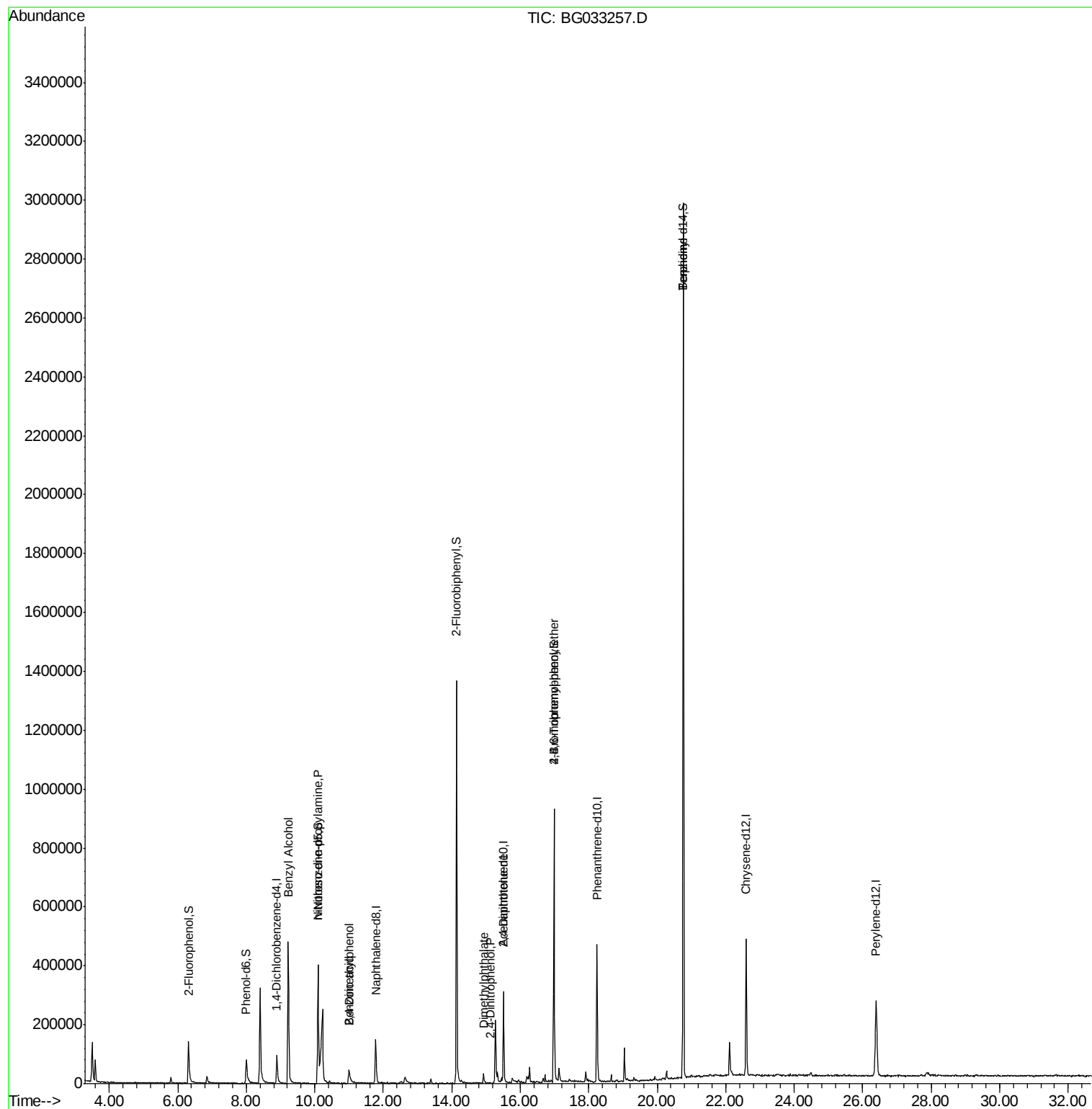
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	34895	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	149585	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	117447	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	326400	20.00	ng	0.00
75) Chrysene-d12	22.59	240	336525	20.00	ng	0.00
86) Perylene-d12	26.39	264	352774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	86065	46.25	ng	0.00
7) Phenol-d6	8.00	99	81677	25.54	ng	0.00
23) Nitrobenzene-d5	10.09	82	319649	98.18	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	195629	111.37	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	786608	96.69	ng	0.00
78) Terphenyl-d14	20.76	244	1483541	94.28	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.23	79	5248	2.085	ng	# 36
19) n-Nitroso-di-n-propylamine	10.09	70	43218	18.446	ng	# 72
27) 2,4-Dimethylphenol	11.00	122	27016	14.095	ng	# 1
32) Benzoic acid	11.00	122	27016	15.163	ng	# 87
49) Dimethylphthalate	14.93	163	21489	2.102	ng	# 97
53) 2,4-Dinitrophenol	15.12	184	56	7.690	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15571	5.060	ng	# 19
66) 4-Bromophenyl-phenylether	16.98	248	14407	3.758	ng	# 1
76) Benzidine	20.76	184	24717	2.708	ng	# 83

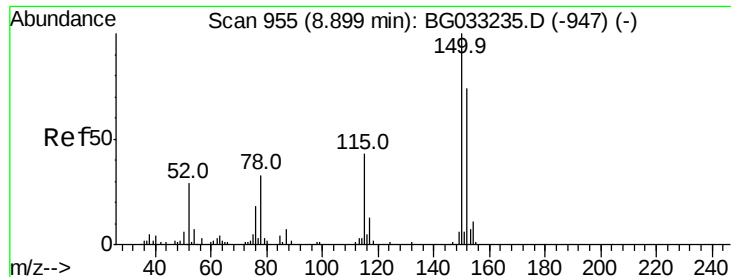
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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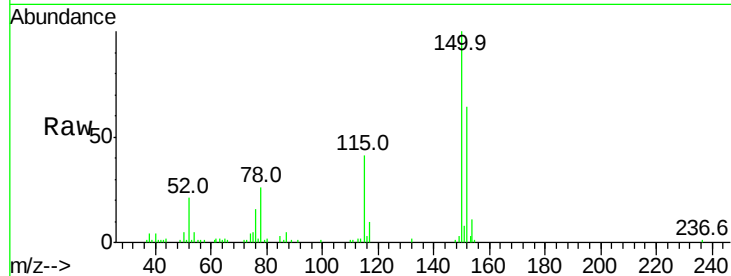


#1

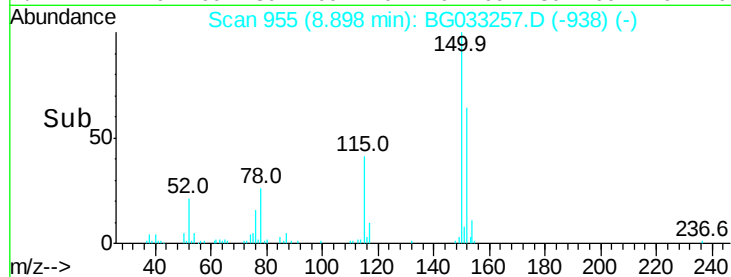
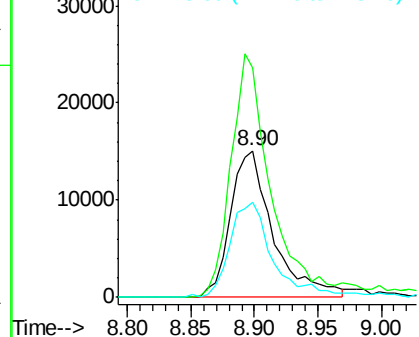
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.00 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 34895
Ion Ratio Lower Upper
152 100
150 157.2 126.6 189.8
115 65.0 53.0 79.4



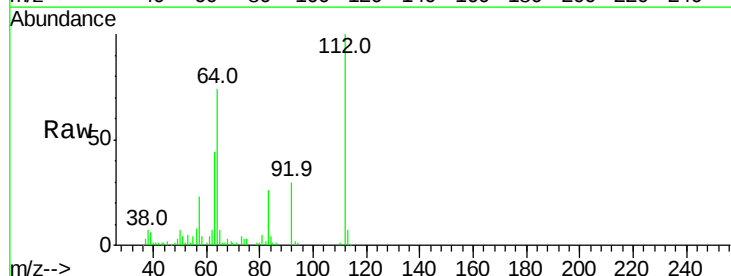
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



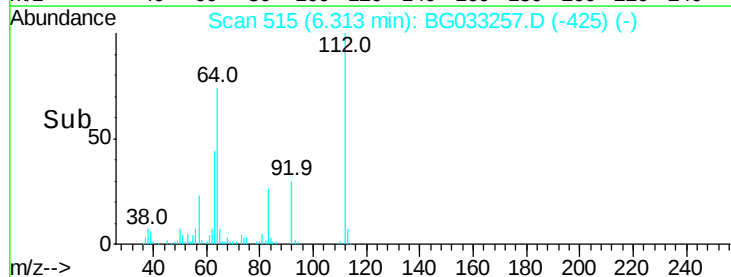
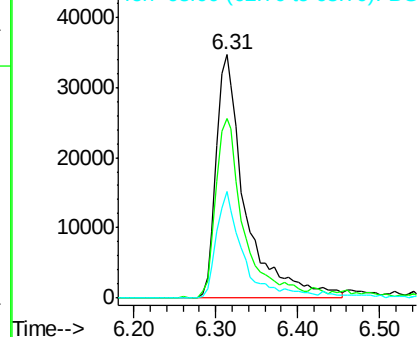
#5

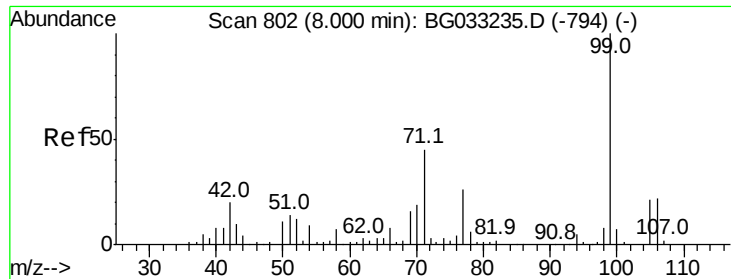
2-Fluorophenol
Concen: 46.248 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

Tgt Ion:112 Resp: 86065
Ion Ratio Lower Upper
112 100
64 73.6 56.3 84.5
63 43.6 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: 25.544 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

Instrument :

BNA_G

ClientSampleId :

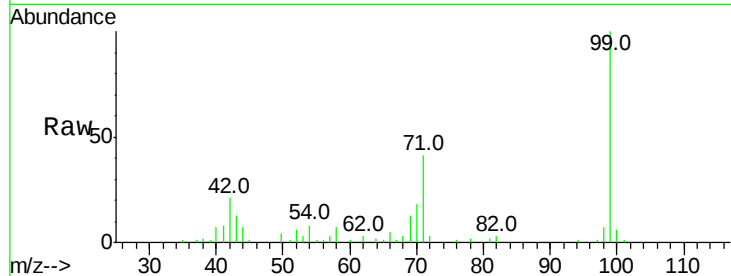
Tot Ion: 99 Resp: 81677

Ion Ratio Lower Upper

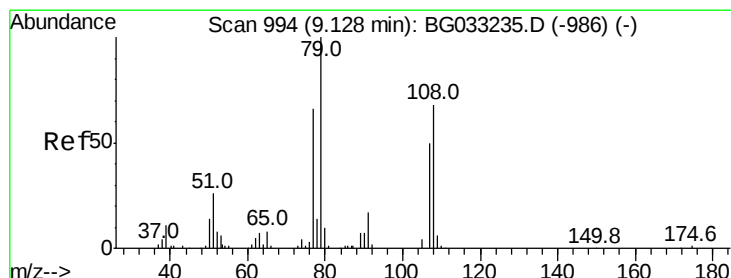
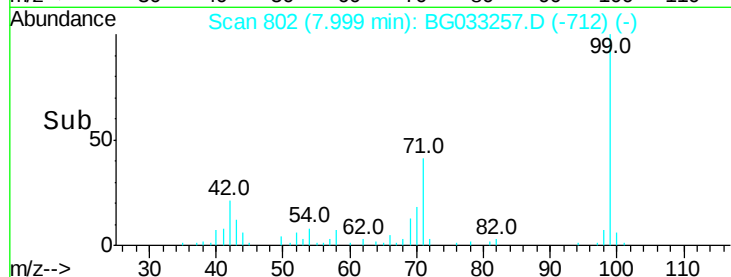
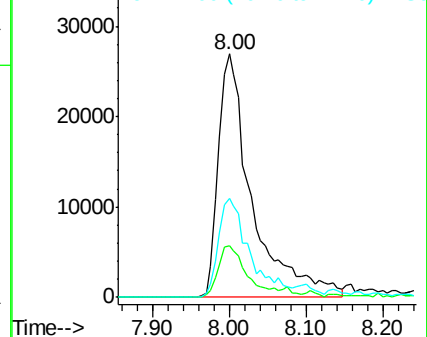
99 100

42 21.2 14.1 21.1#

71 40.7 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



#15

Benzyl Alcohol

Concen: 2.085 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.10 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

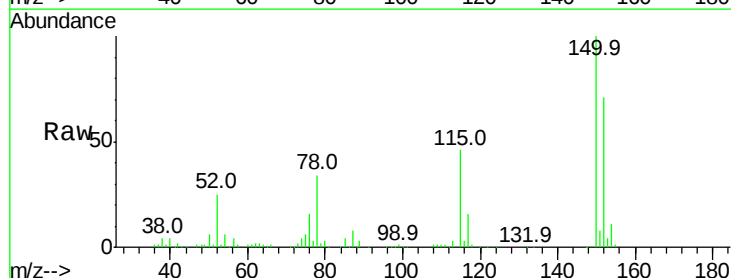
Tgt Ion: 79 Resp: 5248

Ion Ratio Lower Upper

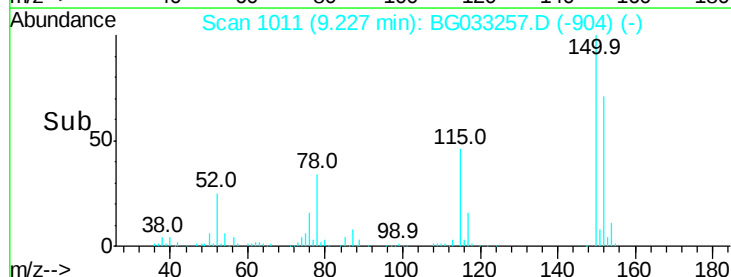
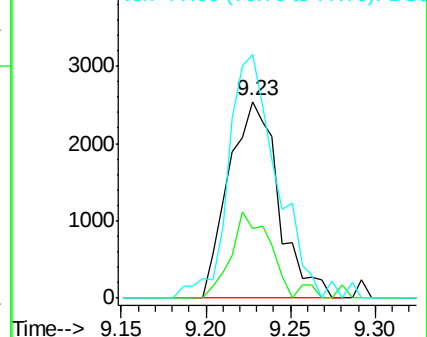
79 100

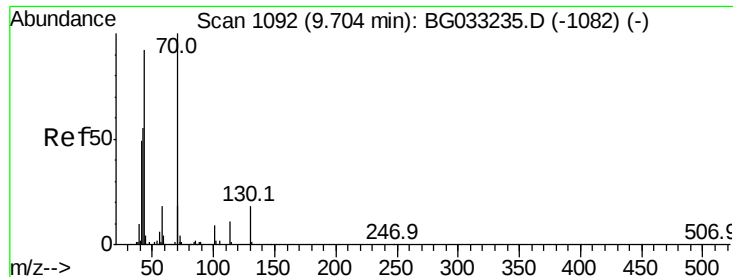
108 35.3 57.2 85.8#

77 123.8 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

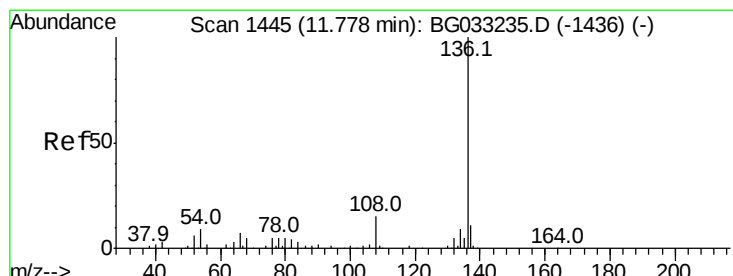
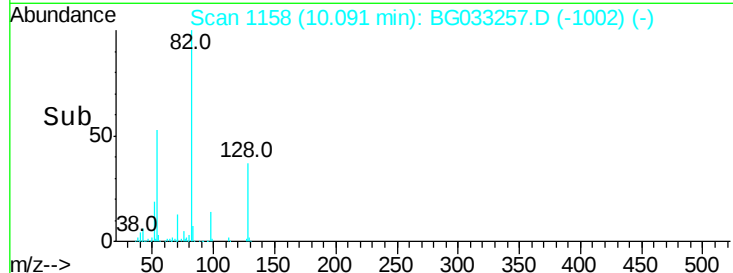
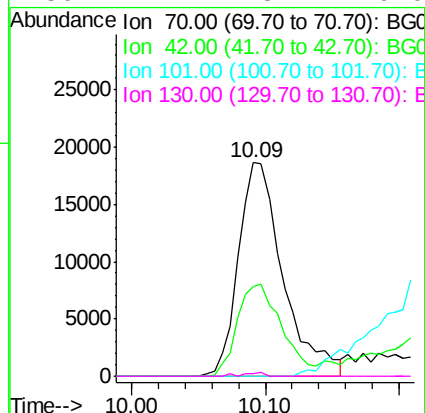
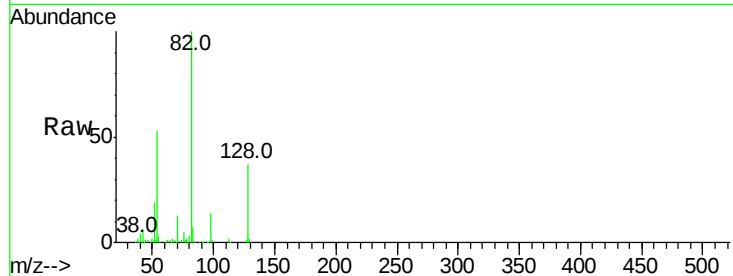




#19
n-Nitroso-di-n-propylamine
Concen: 18.446 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.39 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

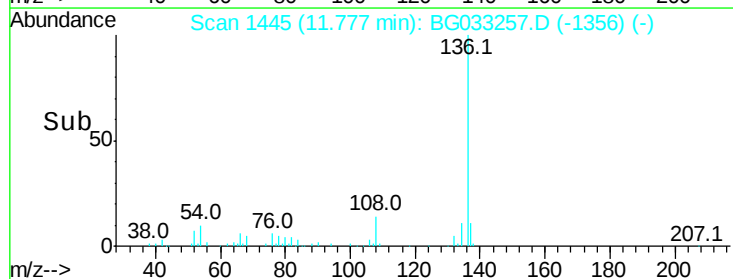
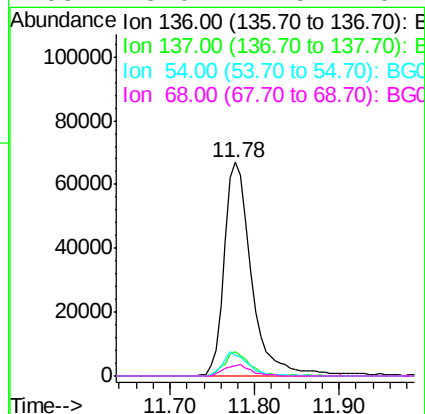
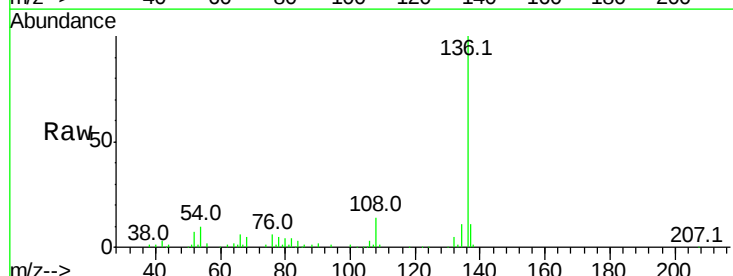
Instrument :
BNA_G
ClientSampleId :

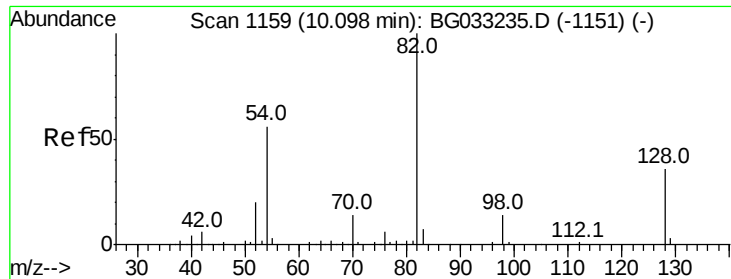
Tot Ion: 70 Resp: 43218
Ion Ratio Lower Upper
70 100
42 41.8 49.1 73.7#
101 0.0 8.5 12.7#
130 1.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

Tgt Ion: 136 Resp: 149585
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 9.7 10.3 15.5#
68 5.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 98.178 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

Instrument :

BNA_G

ClientSampled :

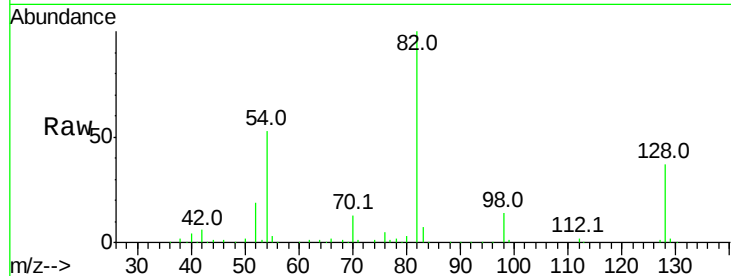
Tot Ion: 82 Resp: 319649

Ion Ratio Lower Upper

82 100

128 37.1 29.7 44.5

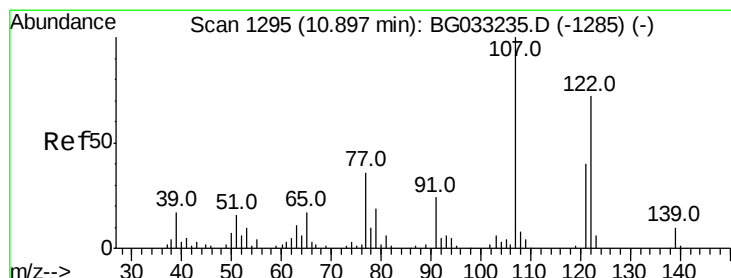
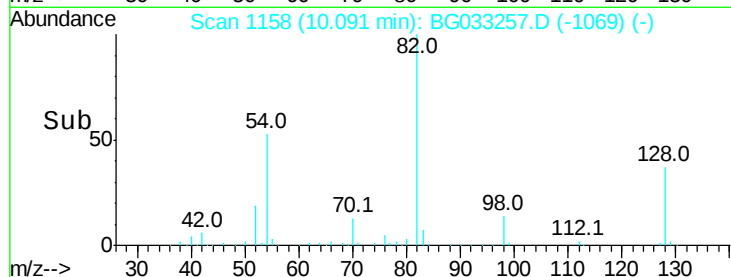
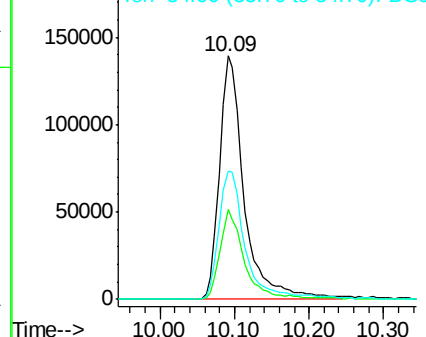
54 53.0 43.1 64.7



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



#27

2,4-Dimethylphenol

Concen: 14.095 ng

RT: 11.00 min Scan# 1312

Delta R.T. 0.10 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

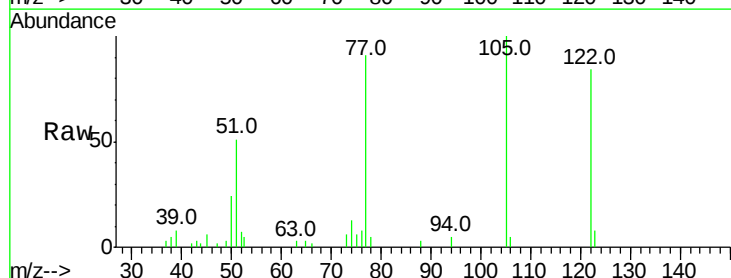
Tgt Ion: 122 Resp: 27016

Ion Ratio Lower Upper

122 100

107 0.0 100.2 150.2#

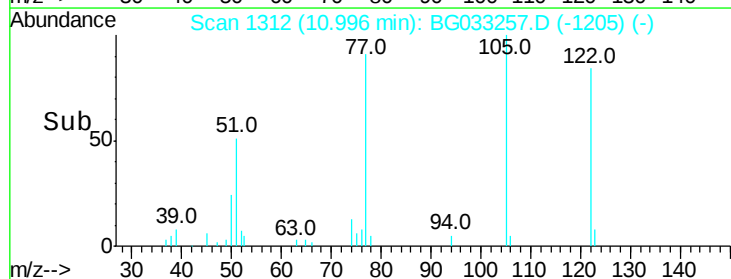
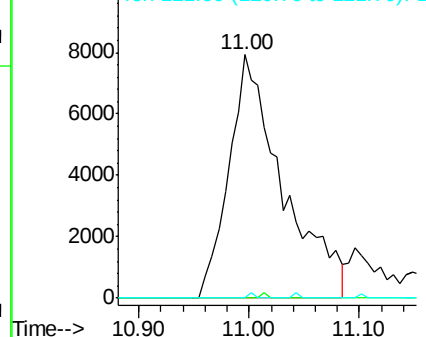
121 0.0 44.4 66.6#

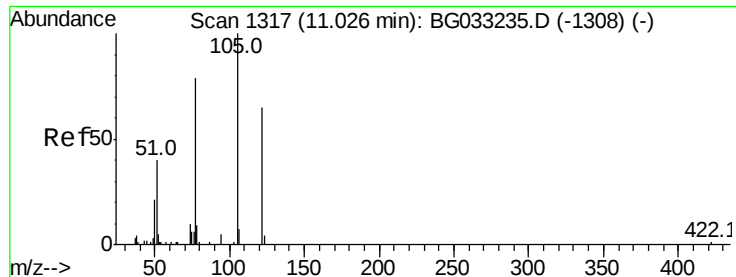


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 15.163 ng

RT: 11.00 min Scan# 1312

Delta R.T. -0.04 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

Instrument :

BNA_G

ClientSampleId :

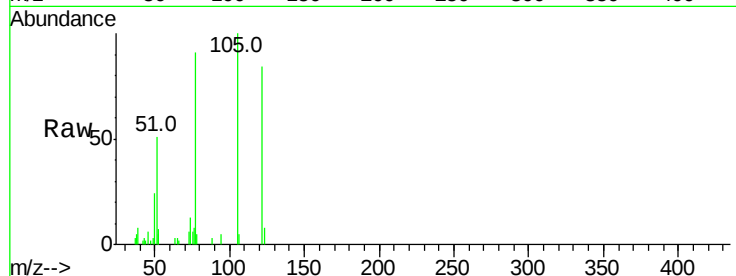
Tot Ion:122 Resp: 27016

Ion Ratio Lower Upper

122 100

105 118.6 123.5 163.5#

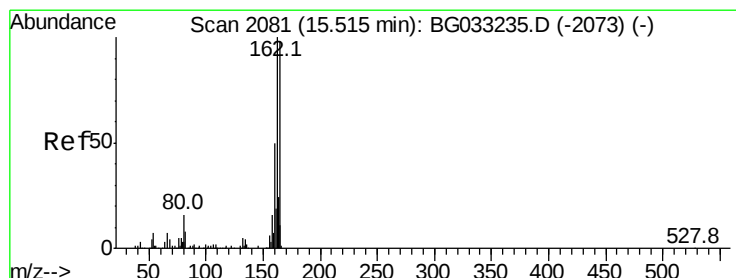
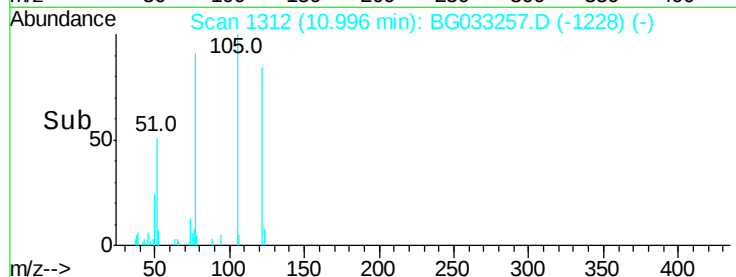
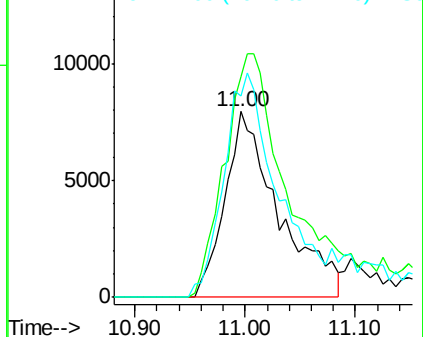
77 108.4 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

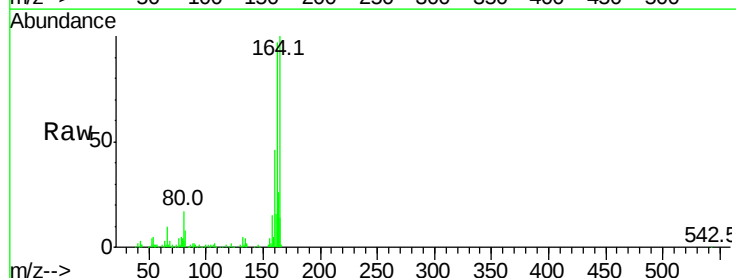
Tgt Ion:164 Resp: 117447

Ion Ratio Lower Upper

164 100

162 96.6 78.8 118.2

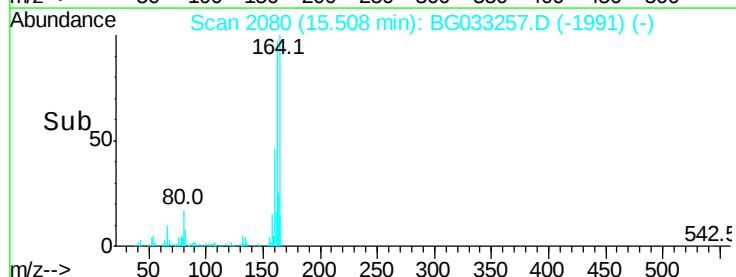
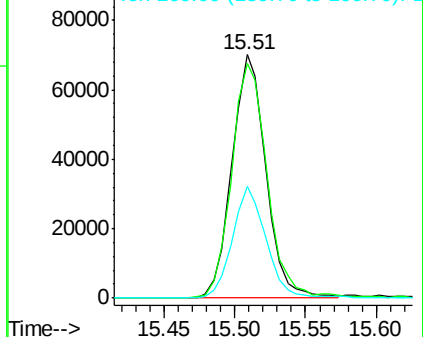
160 46.0 35.4 53.0

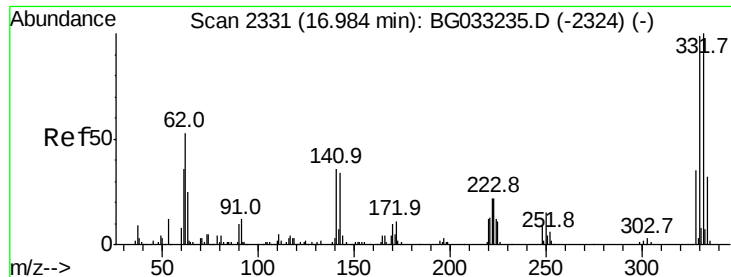


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

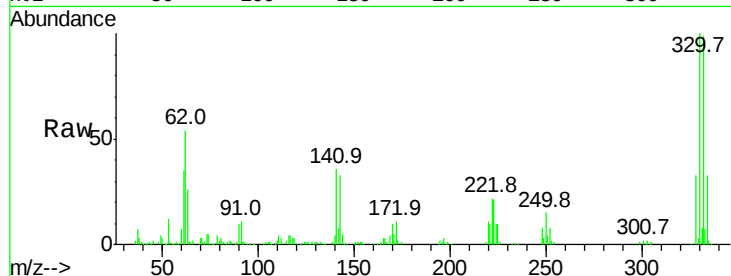




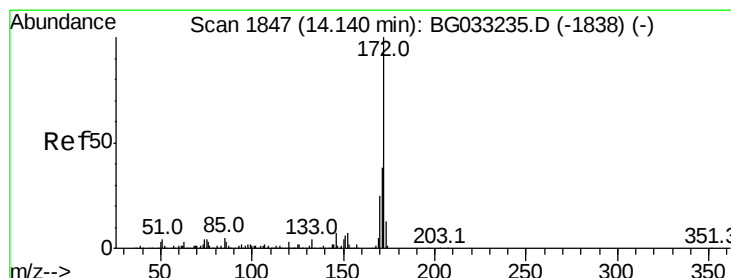
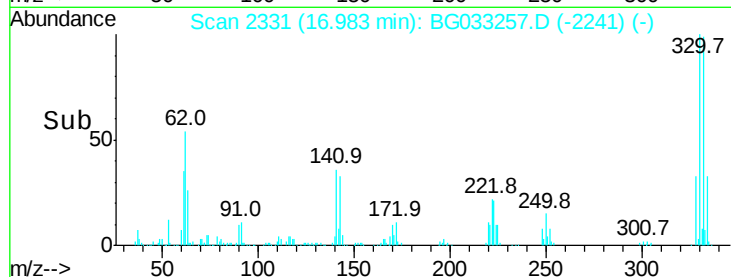
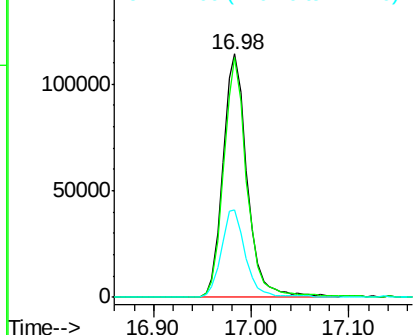
#41
 2,4,6-Tribromophenol
 Concen: 111.371 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: BG033257.D
 Acq: 20 Mar 2018 1:59

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 195629
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 36.3 25.2 37.8

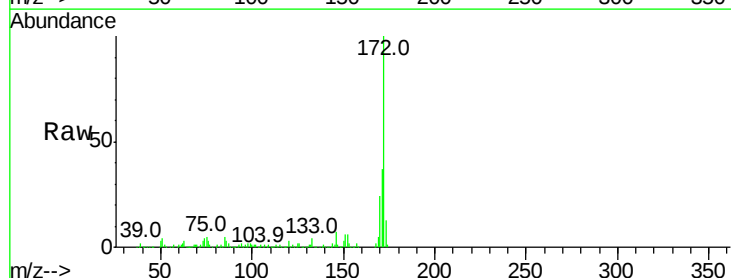


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

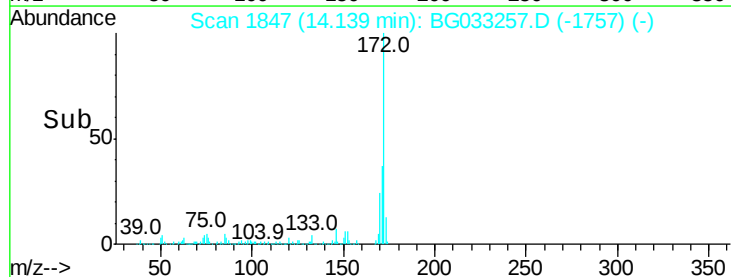
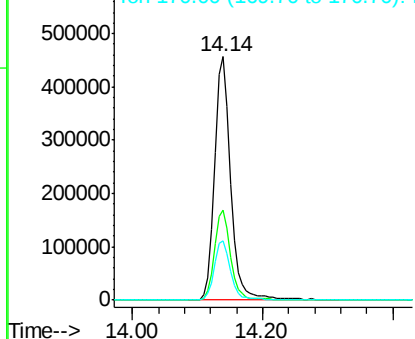


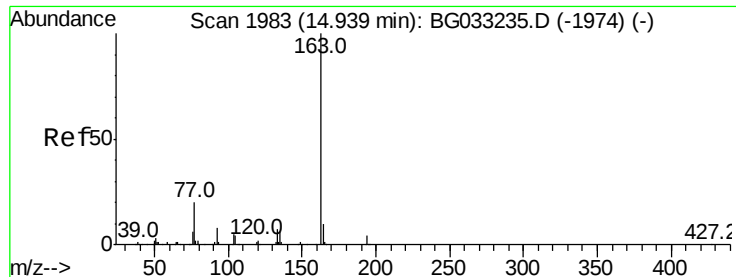
#44
 2-Fluorobiphenyl
 Concen: 96.688 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033257.D
 Acq: 20 Mar 2018 1:59

Tgt Ion:172 Resp: 786608
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.4 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





#49

Dimethylphthalate

Concen: 2.102 ng

RT: 14.93 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

Instrument :

BNA_G

ClientSampleId :

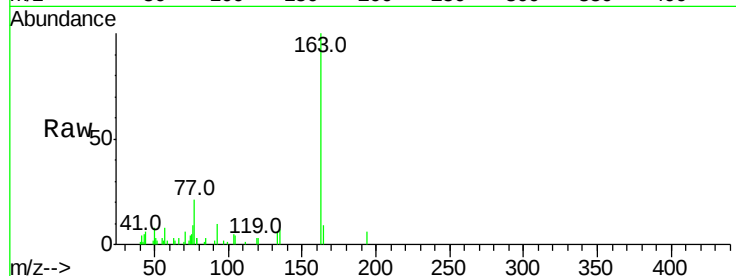
Tot Ion:163 Resp: 21489

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.2#

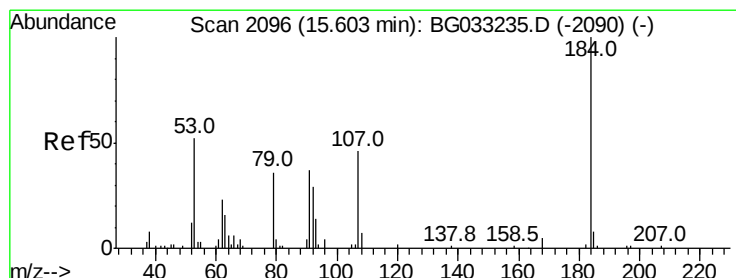
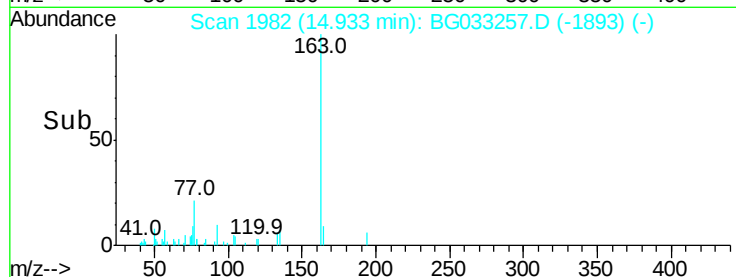
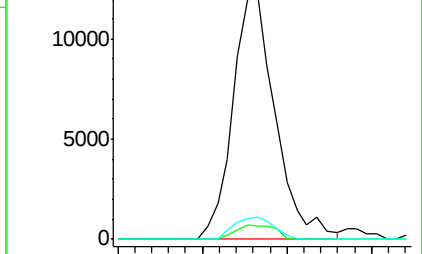
164 9.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 7.690 ng

RT: 15.12 min Scan# 2014

Delta R.T. -0.48 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

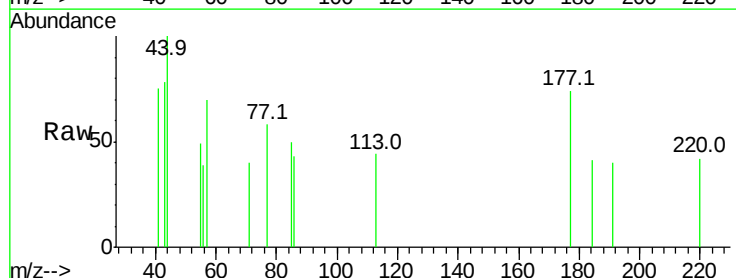
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

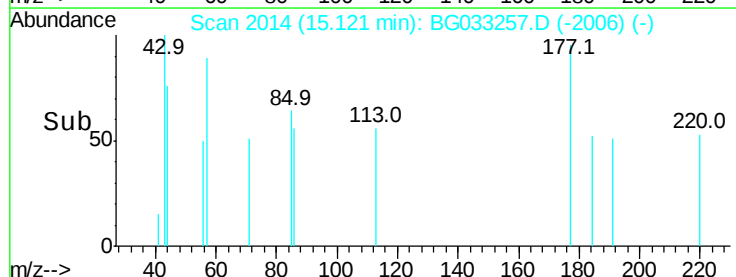
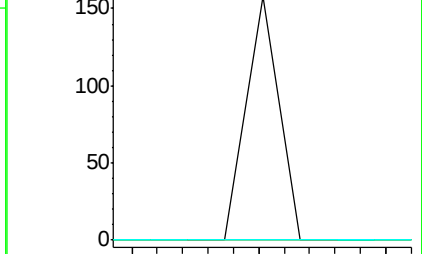
154 0.0 101.8 152.8#

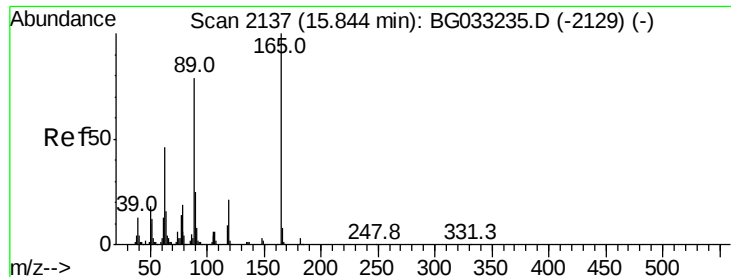


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

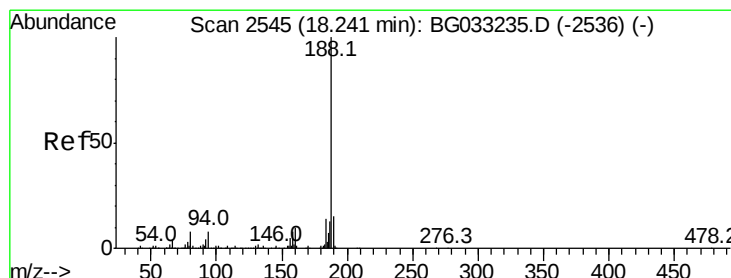
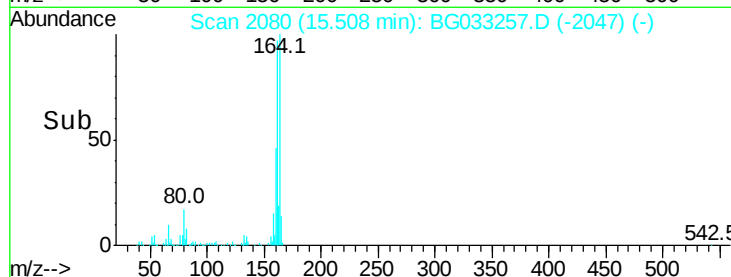
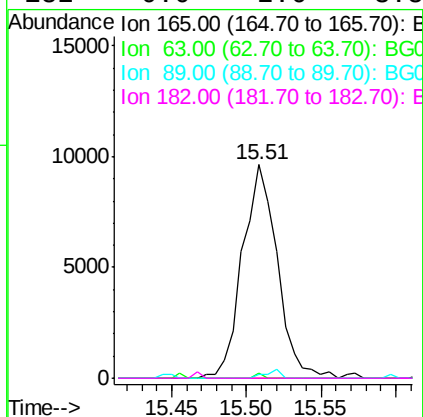
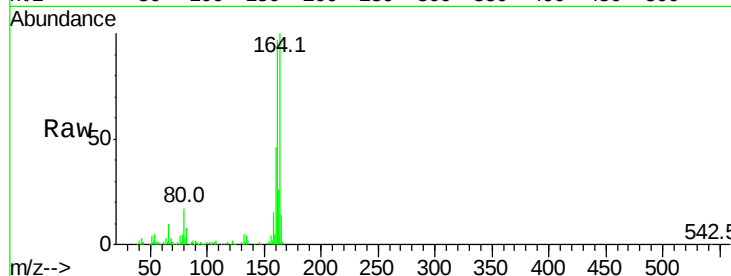




#56
 2,4-Dinitrotoluene
 Concen: 5.060 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.34 min
 Lab File: BG033257.D
 Acq: 20 Mar 2018 1:59

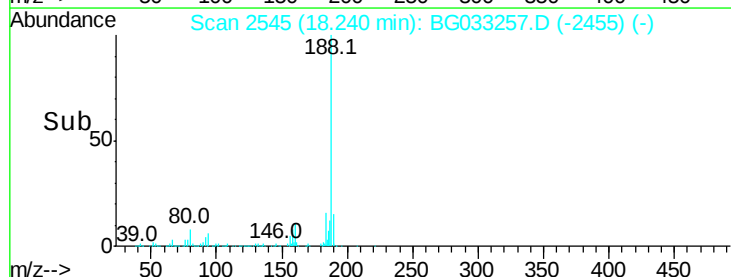
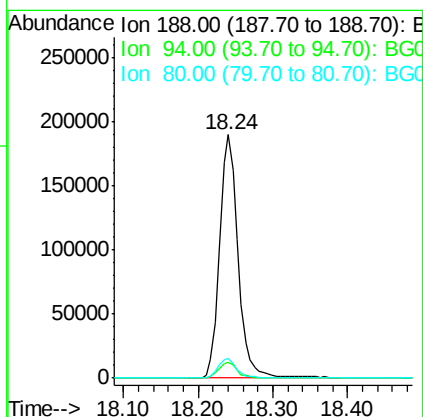
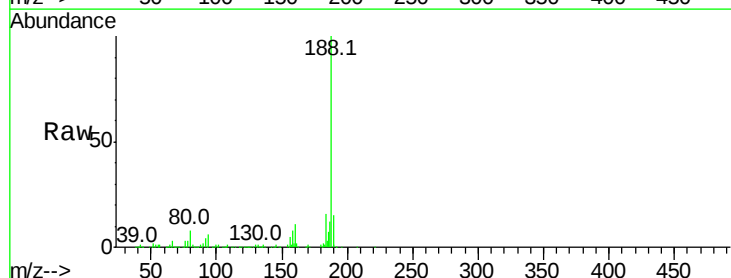
Instrument :
 BNA_G
 ClientSampleId :

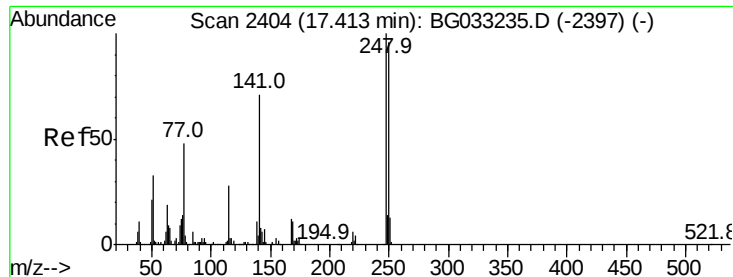
Tot Ion:165 Resp: 15571
 Ion Ratio Lower Upper
 165 100
 63 2.4 42.0 63.0#
 89 1.9 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.24 min Scan# 2545
 Delta R.T. -0.00 min
 Lab File: BG033257.D
 Acq: 20 Mar 2018 1:59

Tgt Ion:188 Resp: 326400
 Ion Ratio Lower Upper
 188 100
 94 6.4 6.9 10.3#
 80 8.0 7.7 11.5

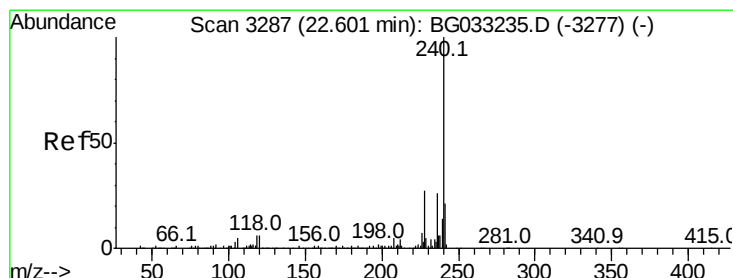
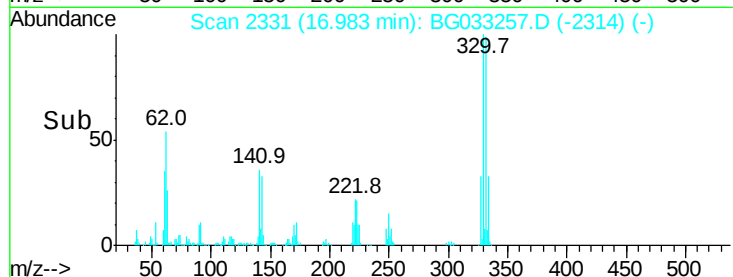
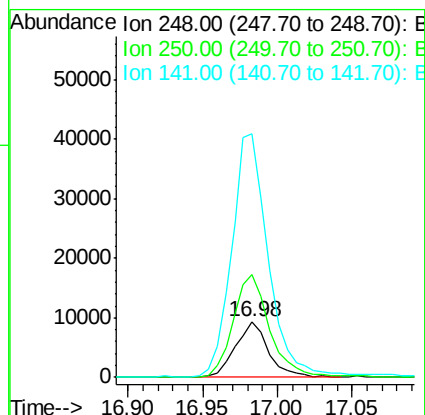
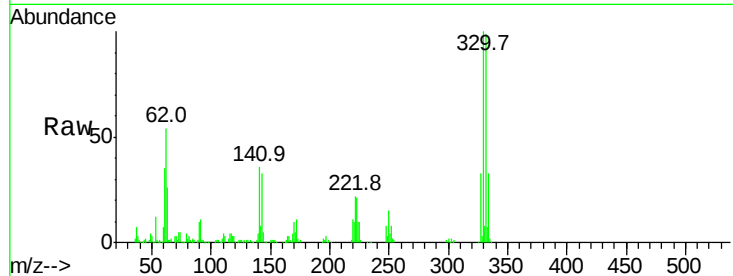




#66
4-Bromophenyl-phenylether
Concen: 3.758 ng
RT: 16.98 min Scan# 2331
Delta R.T. -0.43 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

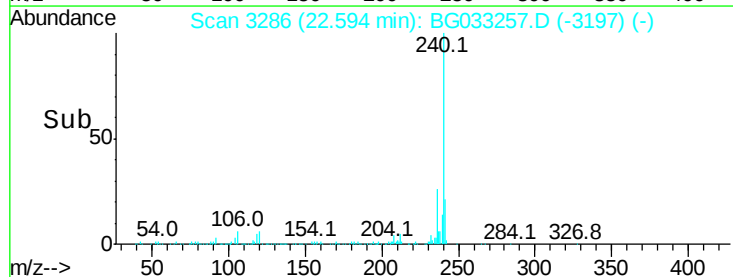
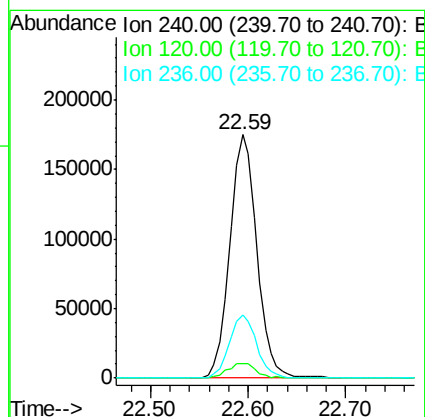
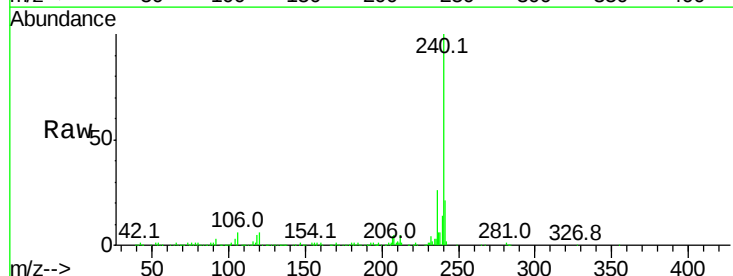
Instrument :
BNA_G
ClientSampled :

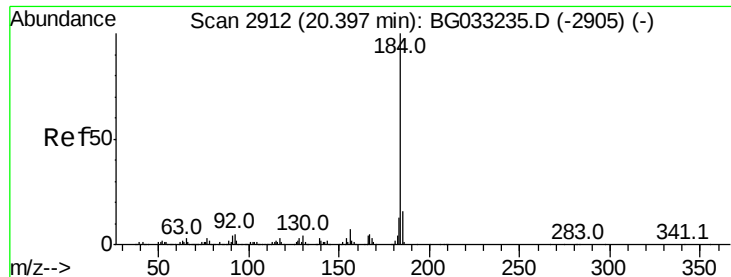
Tot Ion:248 Resp: 14407
Ion Ratio Lower Upper
248 100
250 184.8 77.1 115.7#
141 436.7 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.59 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

Tgt Ion:240 Resp: 336525
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.8 20.9 31.3





#76

Benzidine

Concen: 2.708 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

Instrument :

BNA_G

ClientSampleId :

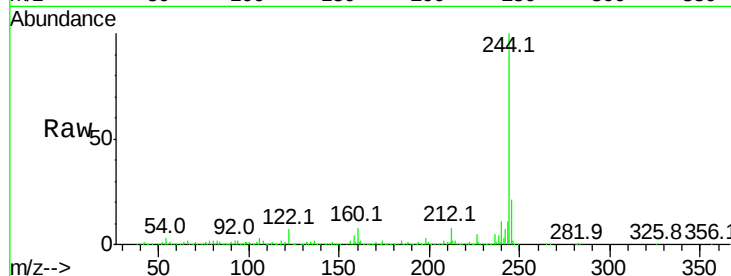
Tot Ion:184 Resp: 24717

Ion Ratio Lower Upper

184 100

185 14.3 11.1 16.7

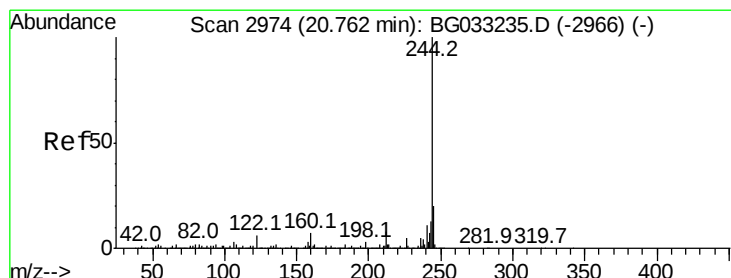
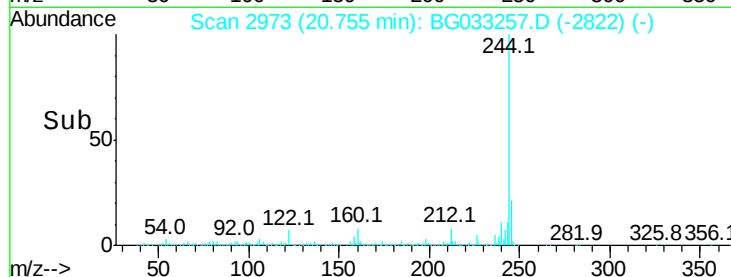
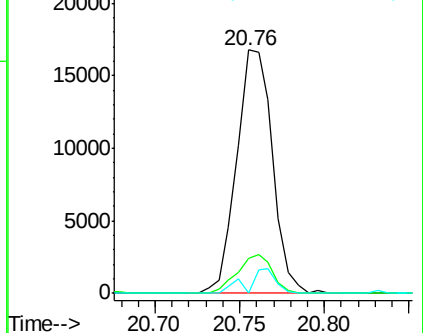
183 0.0 10.6 16.0#



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: 94.279 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033257.D

Acq: 20 Mar 2018 1:59

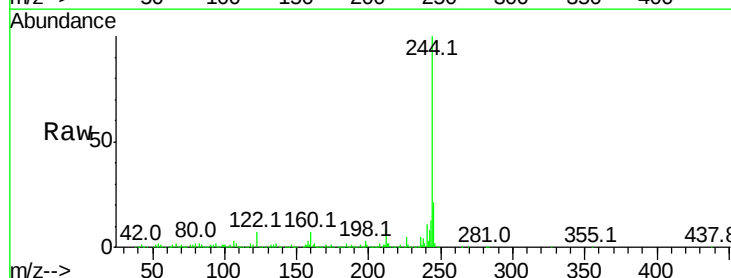
Tgt Ion:244 Resp: 1483541

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

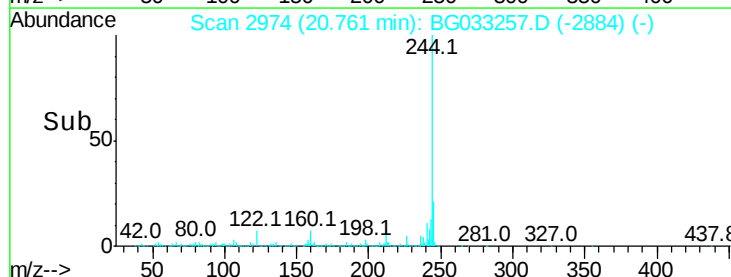
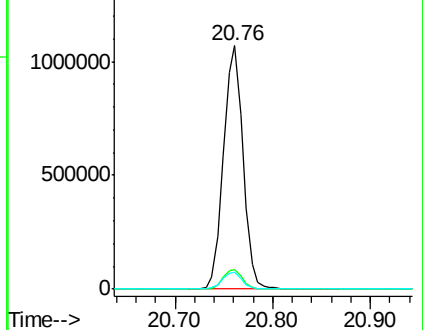
122 7.0 7.0 10.4#

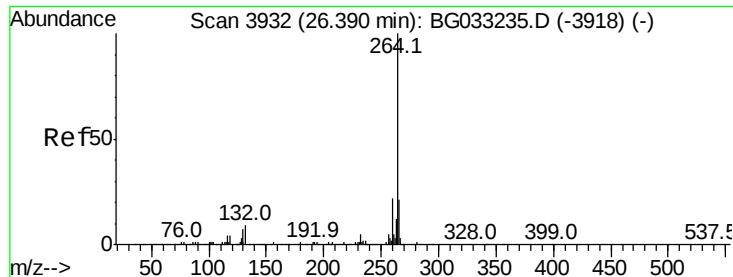


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.39 min Scan# 3932
Delta R.T. -0.01 min
Lab File: BG033257.D
Acq: 20 Mar 2018 1:59

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.4	26.0
265	20.5	17.7	26.5

