

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG031918\
 Data File : BG033261.D
 Acq On : 20 Mar 2018 4:30
 Operator : SJ/JU
 Sample : J1954-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 20 05:42:49 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	8.89	152	35818	20.00	ng	0.00
21) Naphthalene-d8	11.77	136	153429	20.00	ng	-0.01
38) Acenaphthene-d10	15.51	164	117906	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	322999	20.00	ng	0.00
75) Chrysene-d12	22.60	240	322192	20.00	ng	0.00
86) Perylene-d12	26.39	264	333063	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	93667	49.04	ng	0.00
7) Phenol-d6	8.00	99	84102	25.62	ng	0.00
23) Nitrobenzene-d5	10.09	82	333358	99.82	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	194414	110.25	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	813832	99.65	ng	0.00
78) Terphenyl-d14	20.76	244	1473506	97.81	ng	0.00

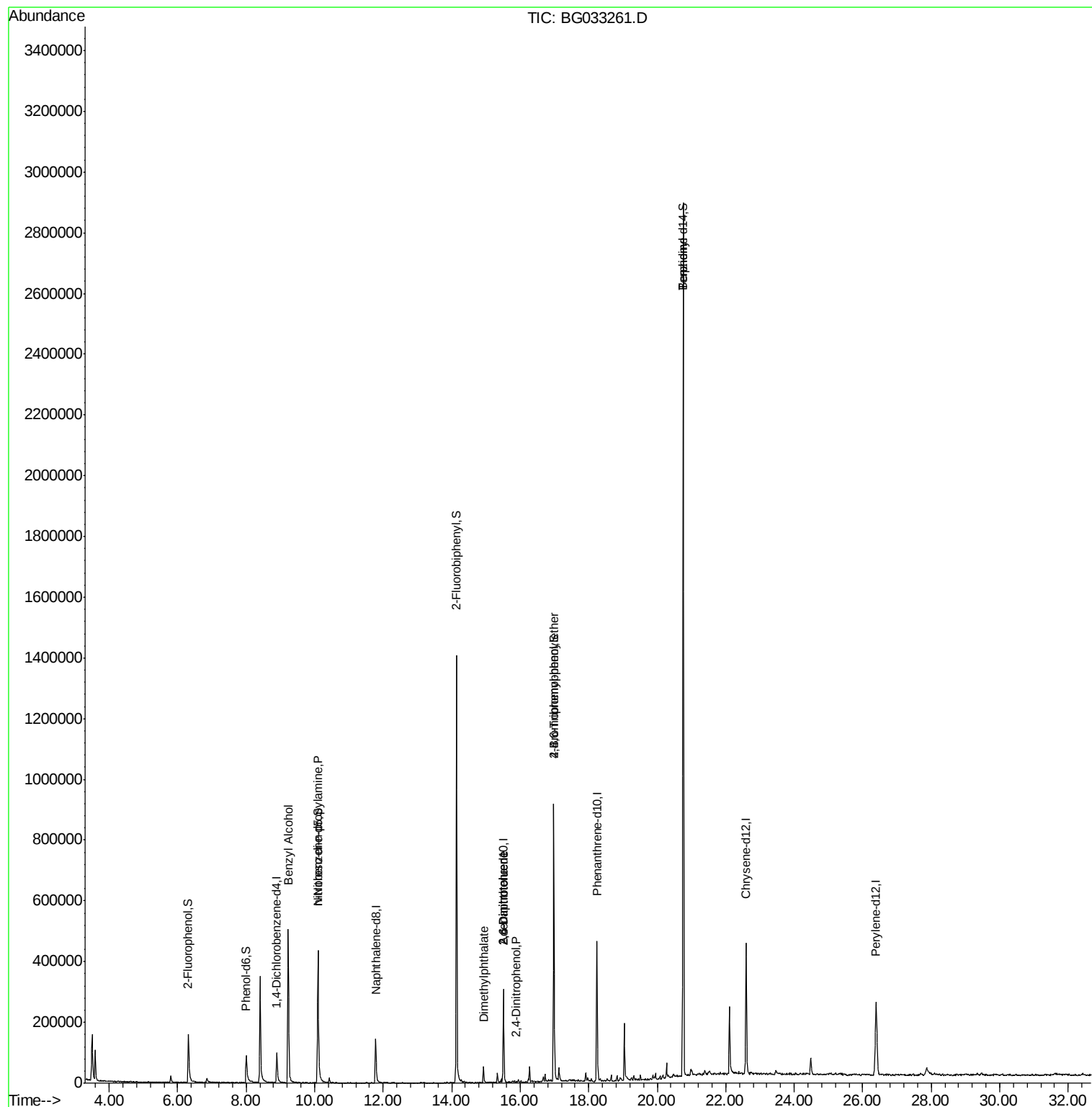
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.22	79	5763	2.230	ng	# 55
19) n-Nitroso-di-n-propylamine	10.09	70	43119	17.929	ng	# 75
49) Dimethylphthalate	14.93	163	35913	3.500	ng	# 98
50) 2,6-Dinitrotoluene	15.51	165	15426	7.352	ng	# 20
53) 2,4-Dinitrophenol	15.86	184	57	7.690	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15426	4.993	ng	# 17
66) 4-Bromophenyl-phenylether	16.98	248	14844	3.913	ng	# 1
76) Benzidine	20.76	184	24837	2.843	ng	# 91

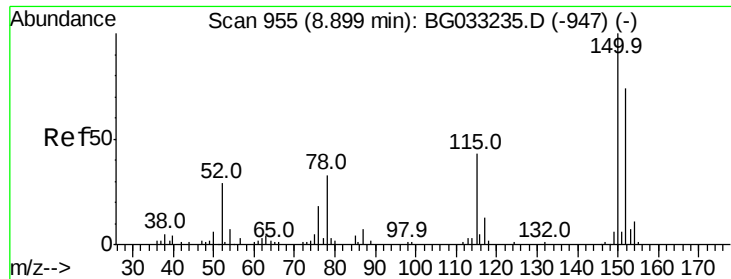
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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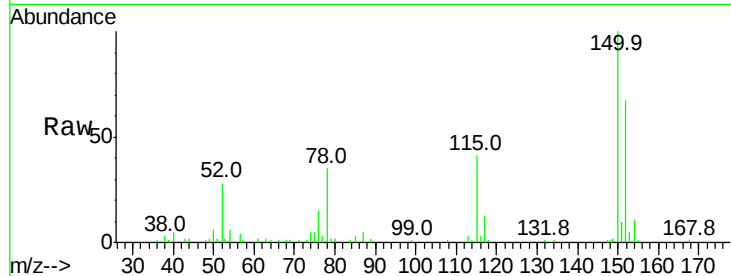


#1

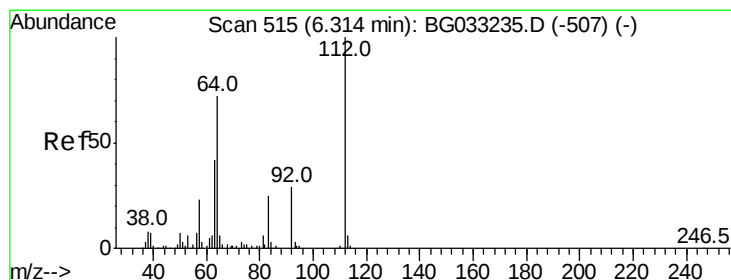
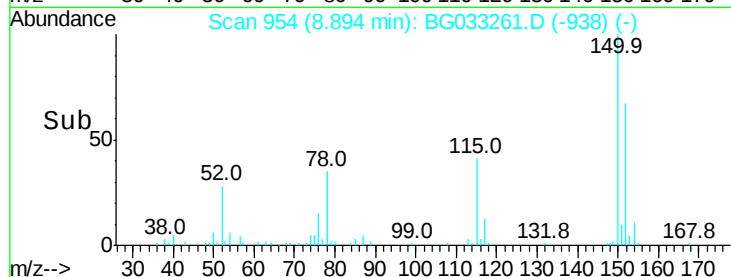
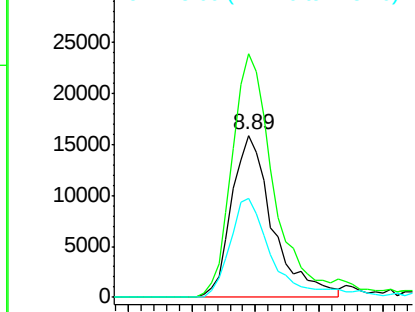
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033261.D
Acq: 20 Mar 2018 4:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 35818
Ion Ratio Lower Upper
152 100
150 150.2 126.6 189.8
115 61.2 53.0 79.4



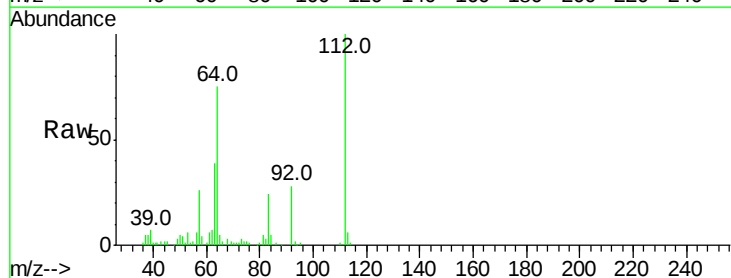
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



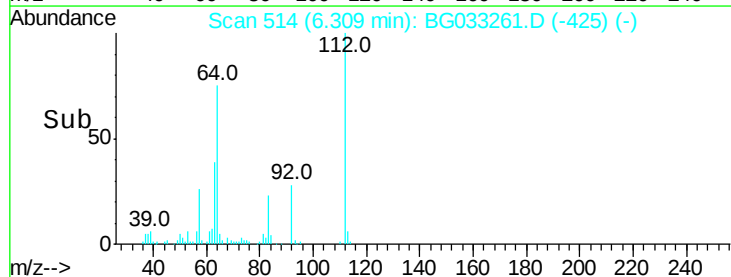
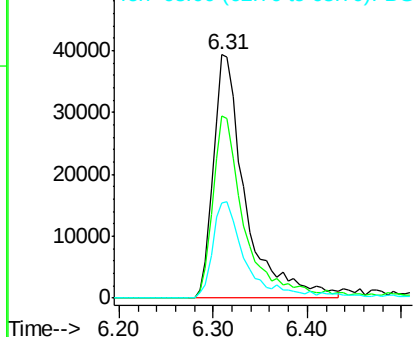
#5

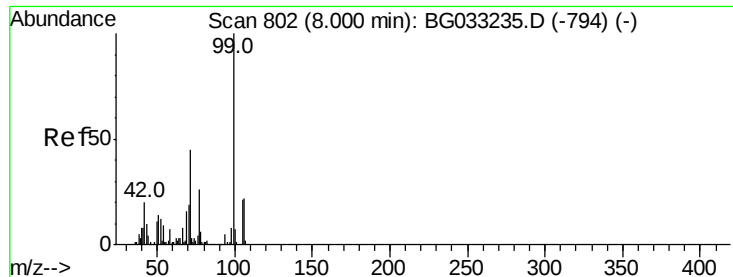
2-Fluorophenol
Concen: 49.036 ng
RT: 6.31 min Scan# 514
Delta R.T. -0.00 min
Lab File: BG033261.D
Acq: 20 Mar 2018 4:30

Tgt Ion:112 Resp: 93667
Ion Ratio Lower Upper
112 100
64 75.0 56.3 84.5
63 39.2 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: 25.625 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

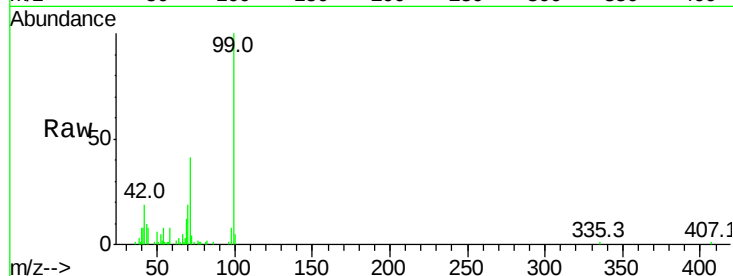
Tot Ion: 99 Resp: 84102

Ion Ratio Lower Upper

99 100

42 19.0 14.1 21.1

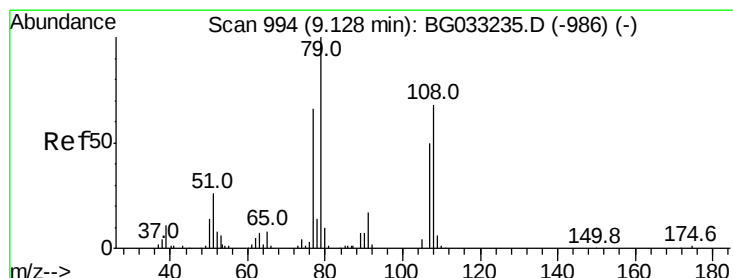
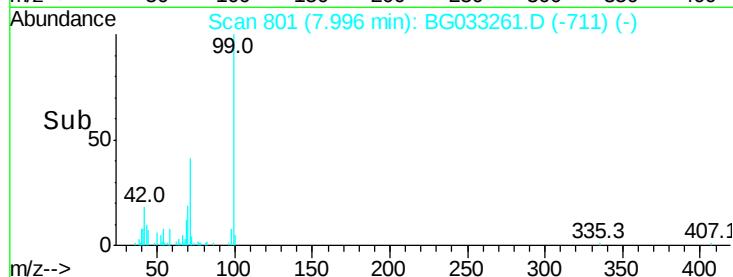
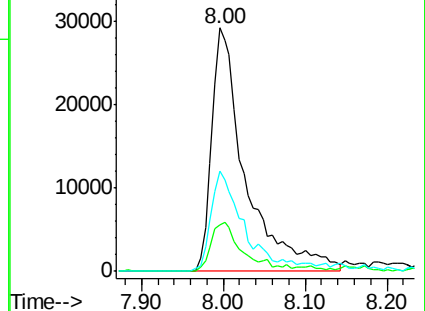
71 41.1 26.1 39.1#



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: 2.230 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.10 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

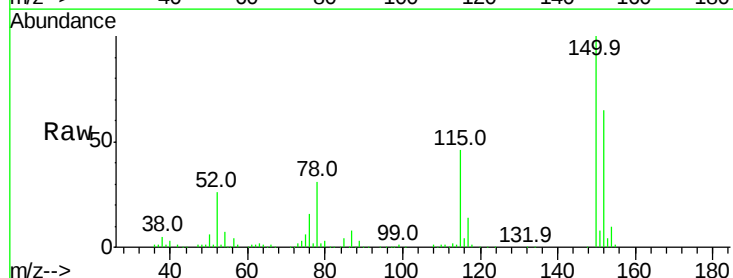
Tgt Ion: 79 Resp: 5763

Ion Ratio Lower Upper

79 100

108 36.5 57.2 85.8#

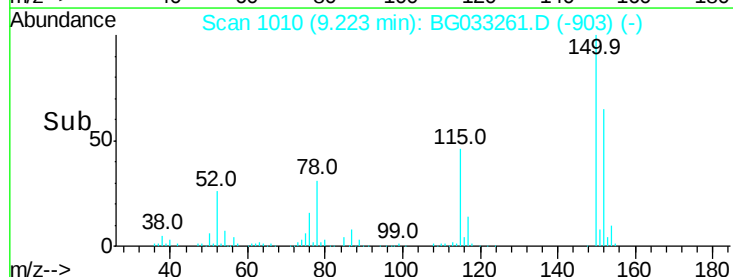
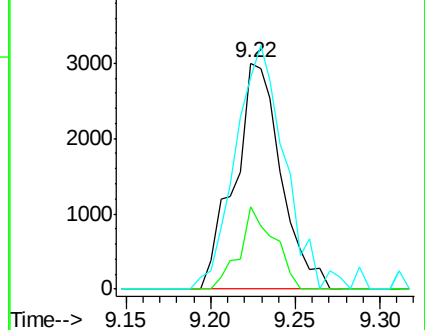
77 93.8 46.1 69.1#

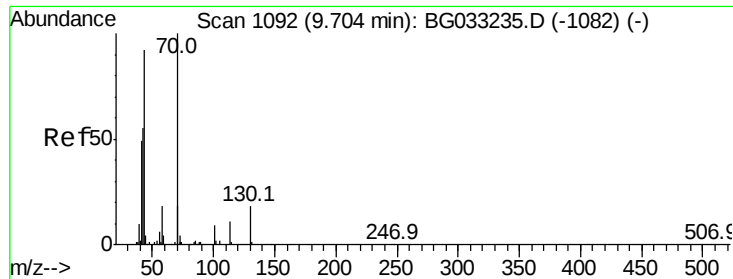


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

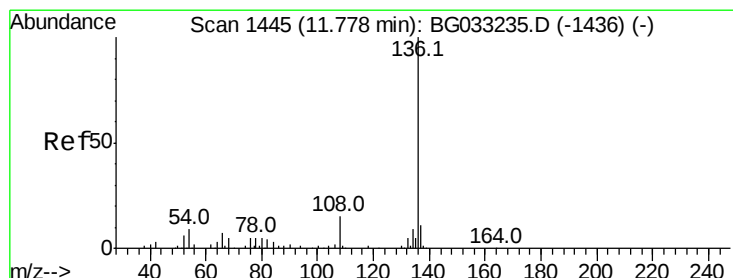
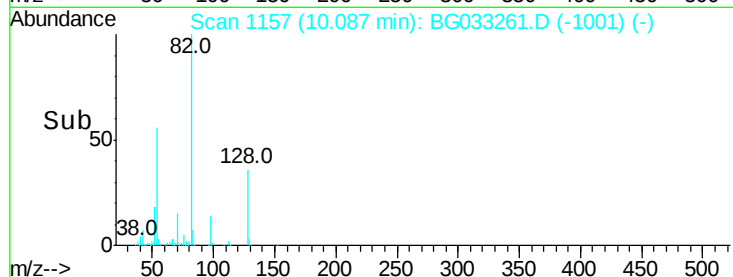
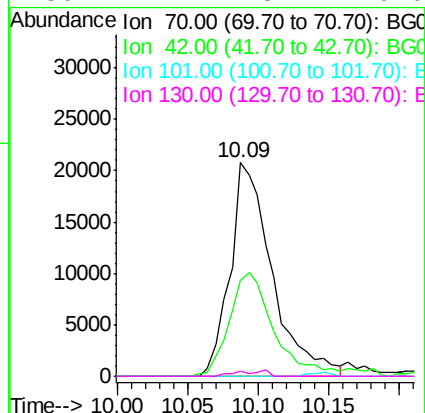
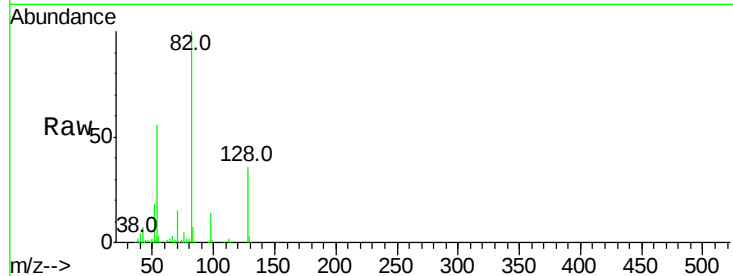




#19
n-Nitroso-di-n-propylamine
Concen: 17.929 ng
RT: 10.09 min Scan# 1157
Delta R.T. 0.38 min
Lab File: BG033261.D
Acq: 20 Mar 2018 4:30

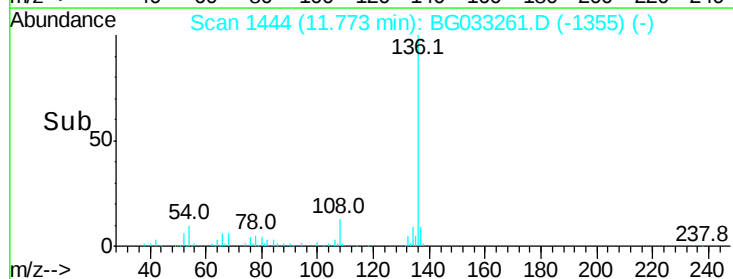
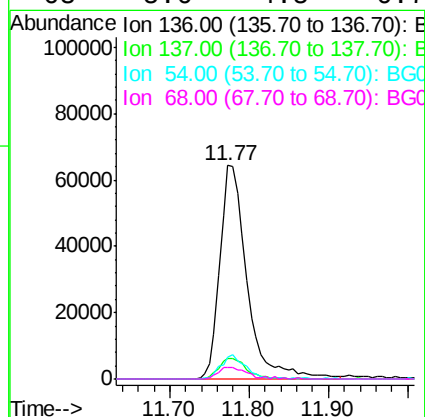
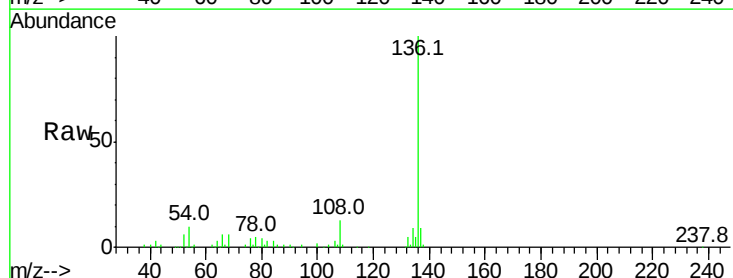
Instrument :
BNA_G
ClientSampleId :

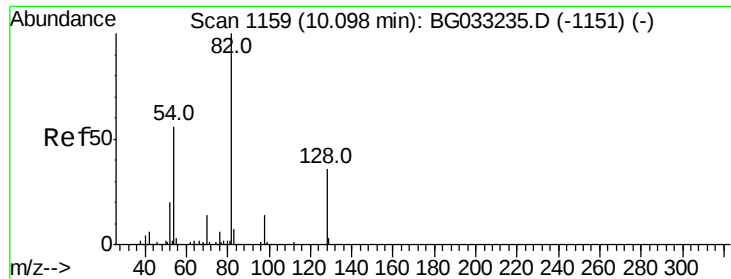
Tot Ion: 70 Resp: 43119
Ion Ratio Lower Upper
70 100
42 44.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.77 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BG033261.D
Acq: 20 Mar 2018 4:30

Tgt Ion: 136 Resp: 153429
Ion Ratio Lower Upper
136 100
137 9.5 9.2 13.8
54 10.2 10.3 15.5#
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 99.824 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

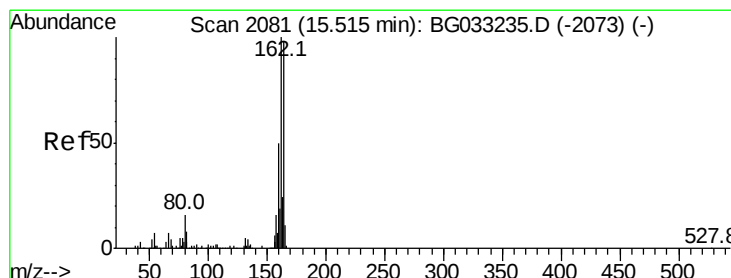
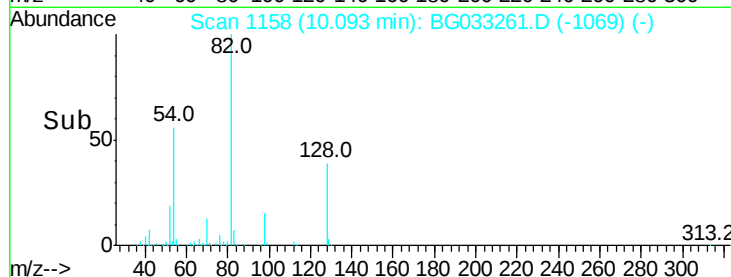
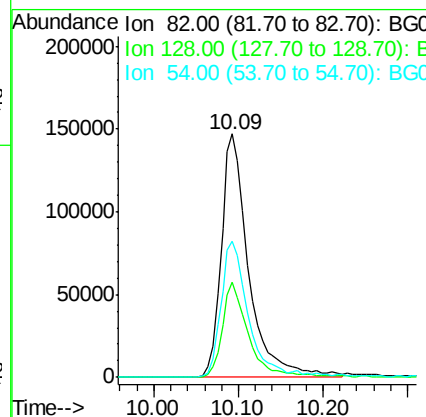
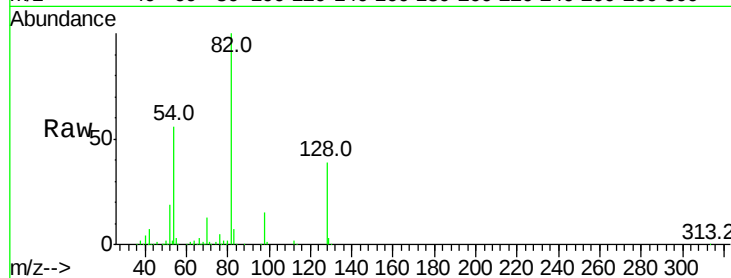
Tot Ion: 82 Resp: 333358

Ion Ratio Lower Upper

82 100

128 38.8 29.7 44.5

54 55.7 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

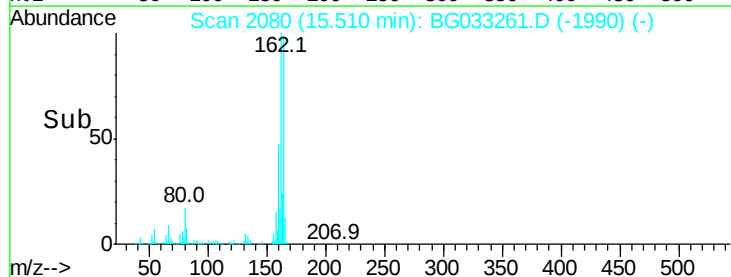
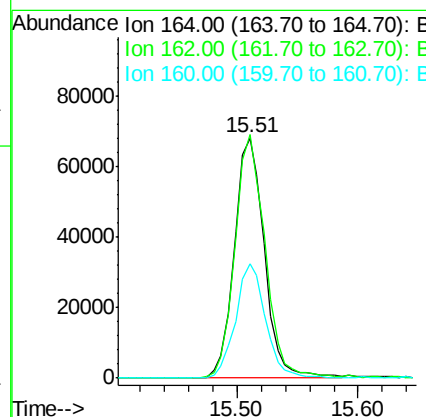
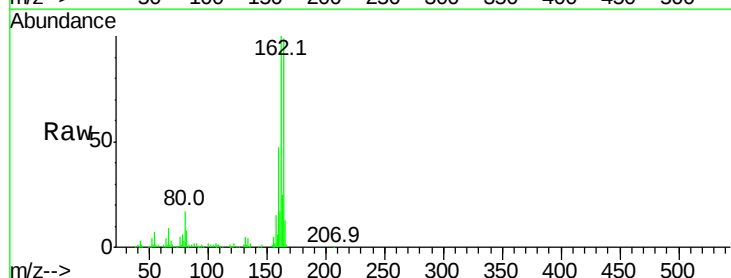
Tgt Ion: 164 Resp: 117906

Ion Ratio Lower Upper

164 100

162 101.4 78.8 118.2

160 47.5 35.4 53.0

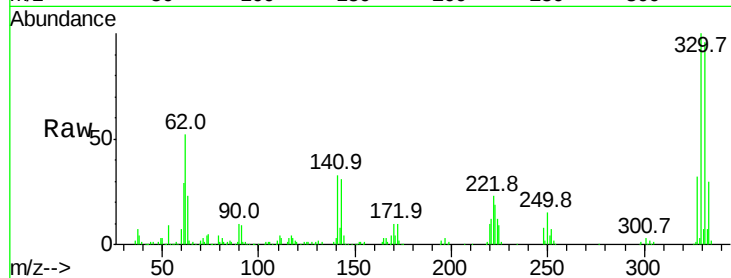




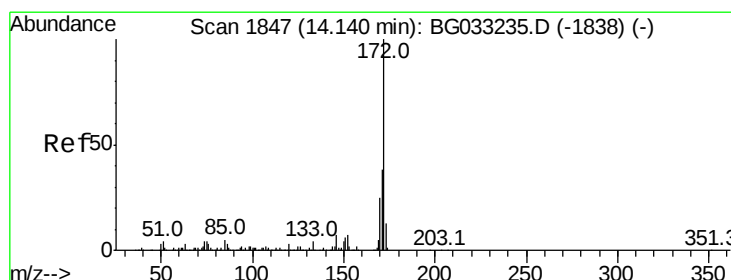
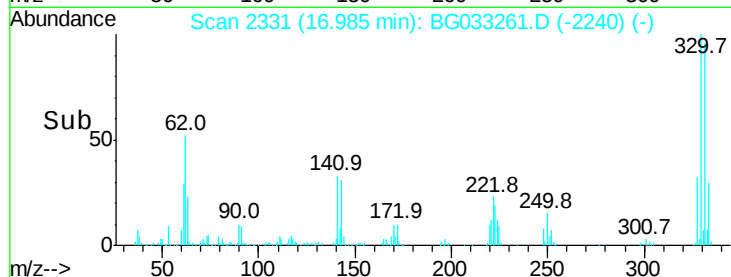
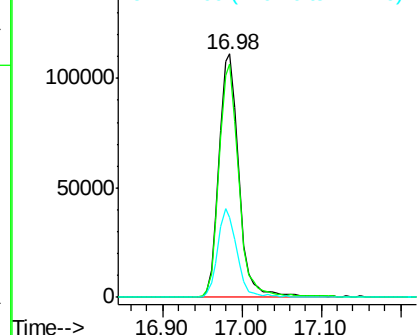
#41
 2,4,6-Tribromophenol
 Concen: 110.248 ng
 RT: 16.98 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: BG033261.D
 Acq: 20 Mar 2018 4:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 194414
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 35.3 25.2 37.8

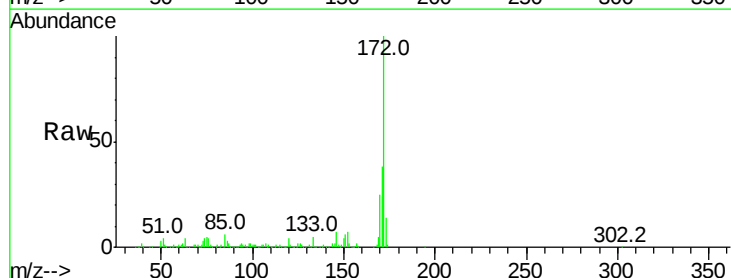


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

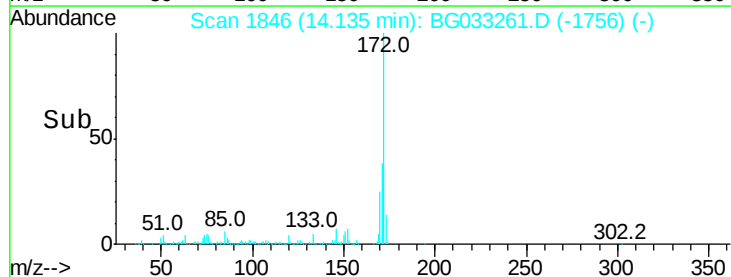
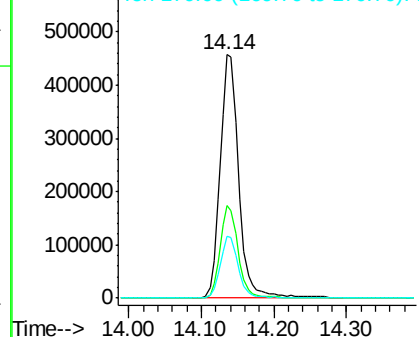


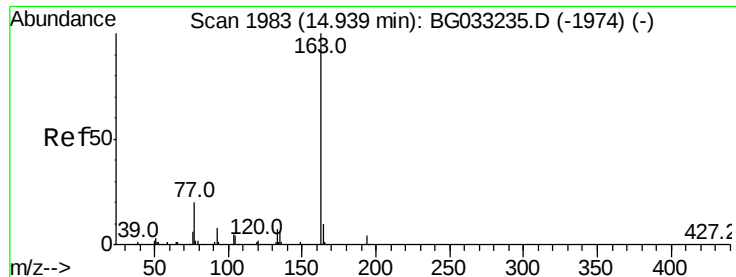
#44
 2-Fluorobiphenyl
 Concen: 99.645 ng
 RT: 14.14 min Scan# 1846
 Delta R.T. -0.00 min
 Lab File: BG033261.D
 Acq: 20 Mar 2018 4:30

Tgt Ion:172 Resp: 813832
 Ion Ratio Lower Upper
 172 100
 171 37.8 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





#49

Dimethylphthalate

Concen: 3.500 ng

RT: 14.93 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

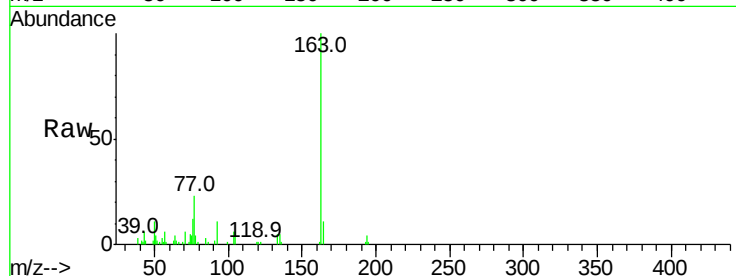
Tot Ion:163 Resp: 35913

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

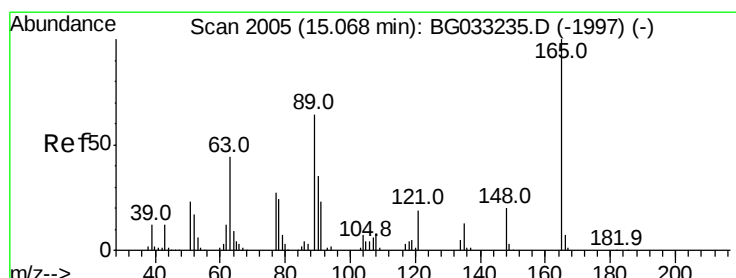
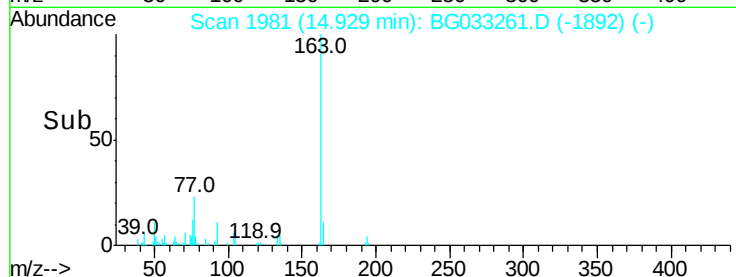
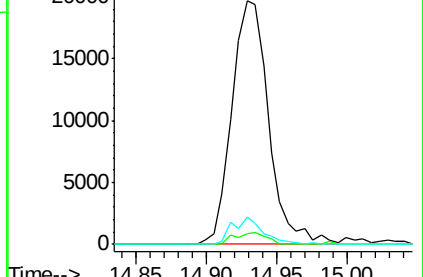
164 11.4 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 7.352 ng

RT: 15.51 min Scan# 2080

Delta R.T. 0.44 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

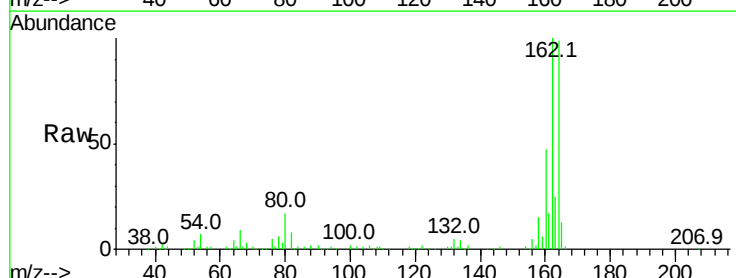
Tgt Ion:165 Resp: 15426

Ion Ratio Lower Upper

165 100

63 1.8 52.7 79.1#

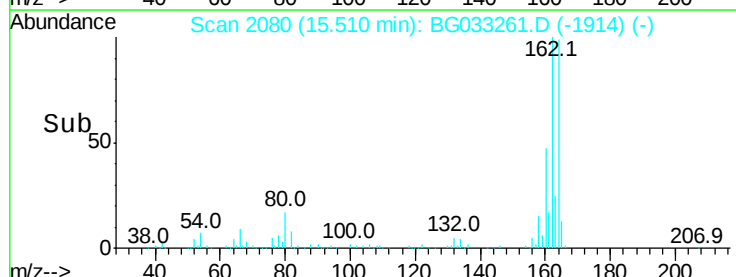
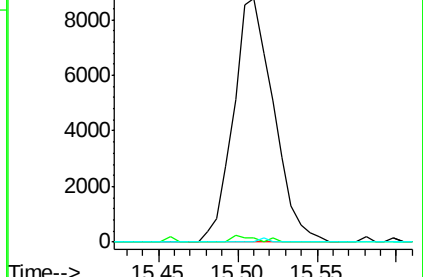
89 0.0 49.2 73.8#

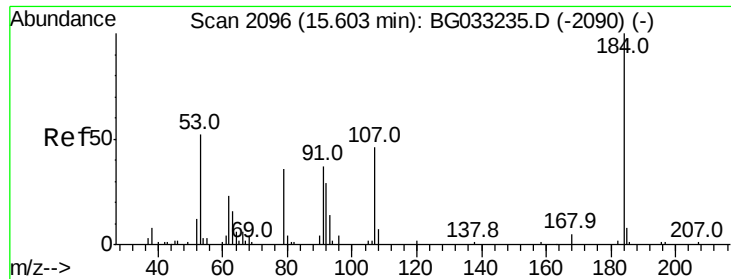


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

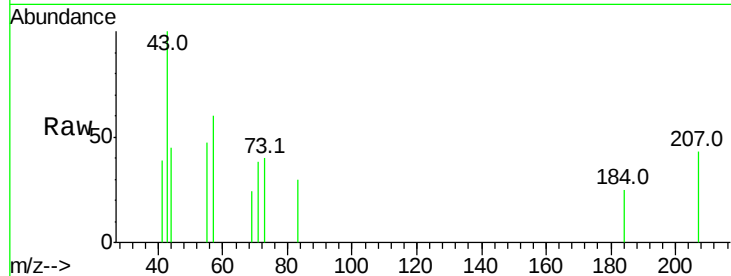




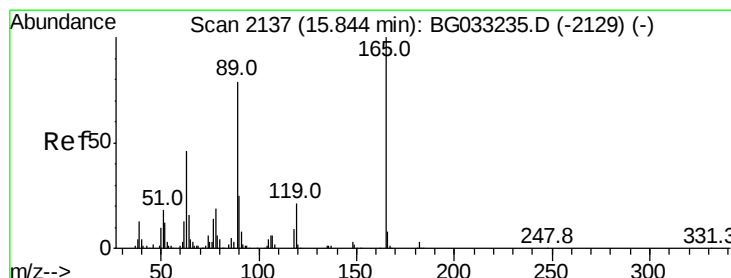
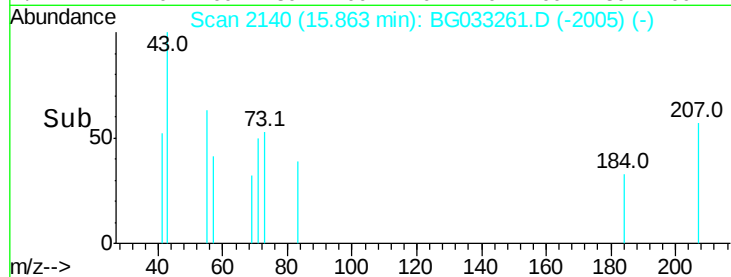
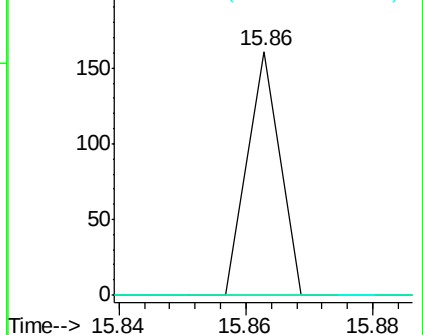
#53
 2,4-Dinitrophenol
 Concen: 7.690 ng
 RT: 15.86 min Scan# 2140
 Delta R.T. 0.26 min
 Lab File: BG033261.D
 Acq: 20 Mar 2018 4:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

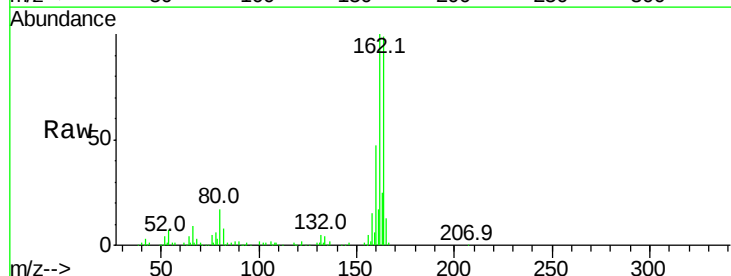


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

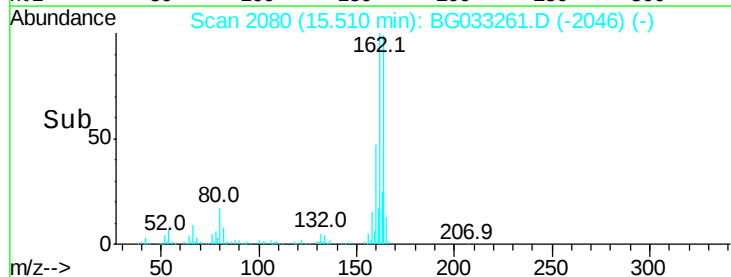
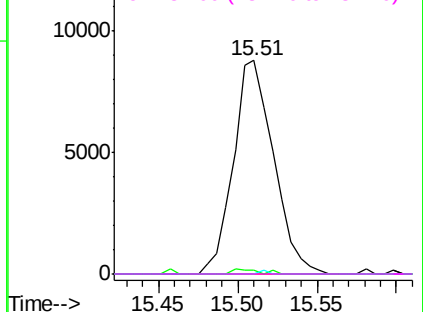


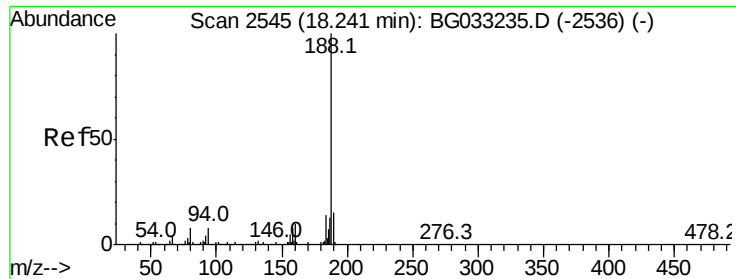
#56
 2,4-Dinitrotoluene
 Concen: 4.993 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. -0.33 min
 Lab File: BG033261.D
 Acq: 20 Mar 2018 4:30

Tgt Ion:165 Resp: 15426
 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
 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: 18.24 min Scan# 2545

Delta R.T. 0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

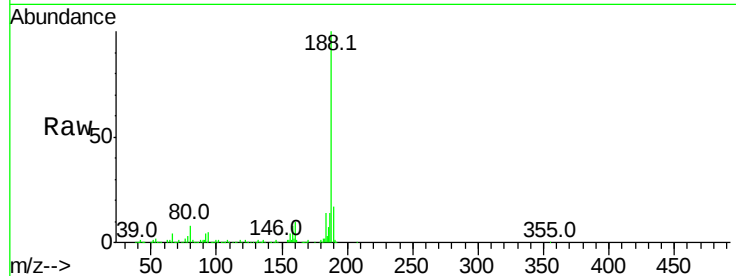
Tot Ion:188 Resp: 322999

Ion Ratio Lower Upper

188 100

94 5.1 6.9 10.3#

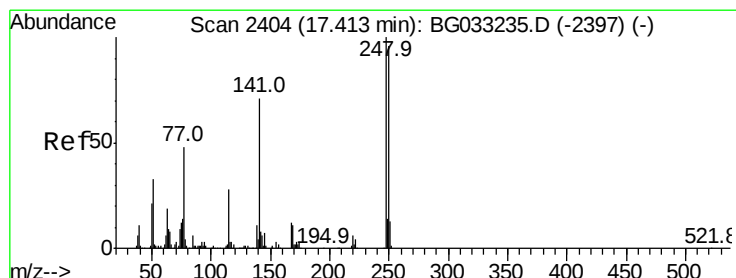
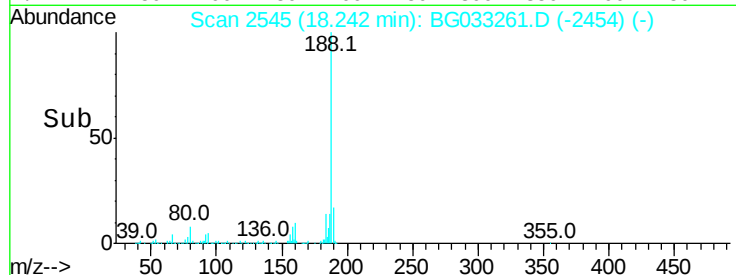
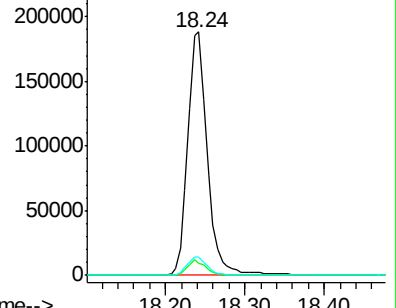
80 7.7 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 3.913 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.43 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

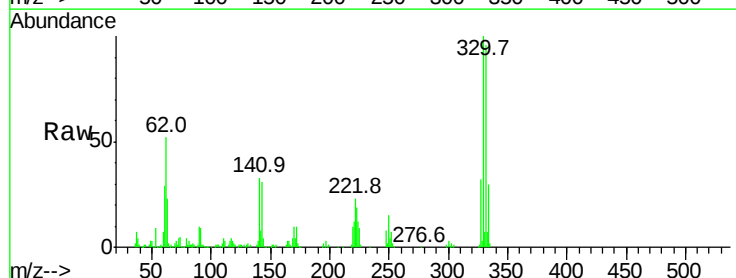
Tgt Ion:248 Resp: 14844

Ion Ratio Lower Upper

248 100

250 173.2 77.1 115.7#

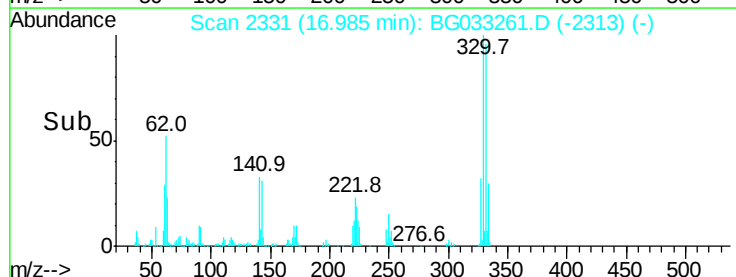
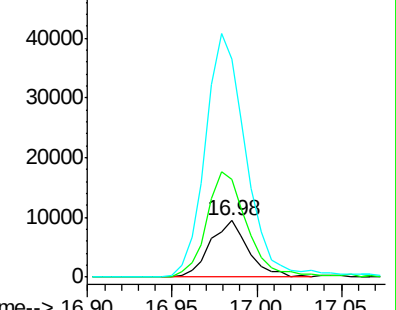
141 386.4 50.8 76.2#

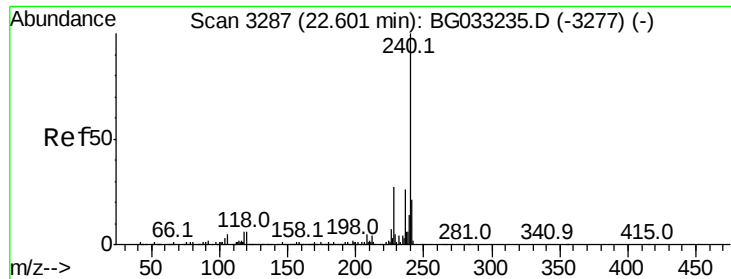


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3286

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

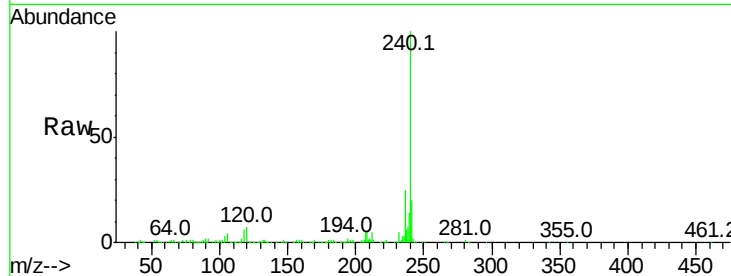
Tot Ion:240 Resp: 322192

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

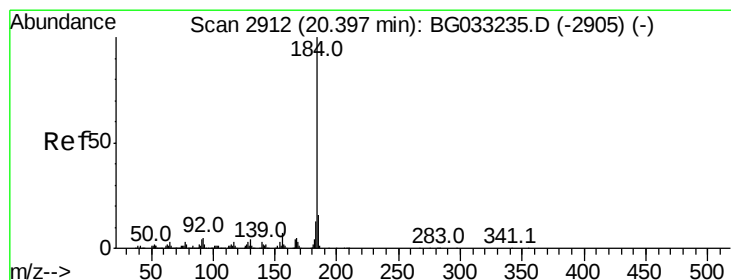
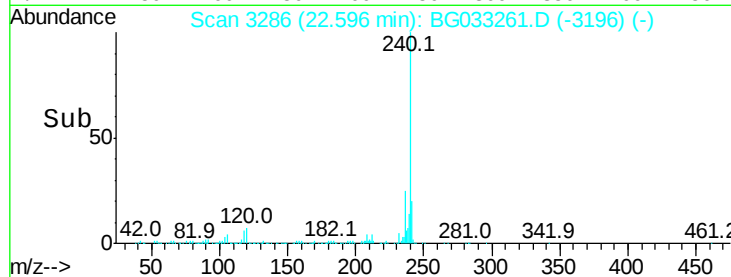
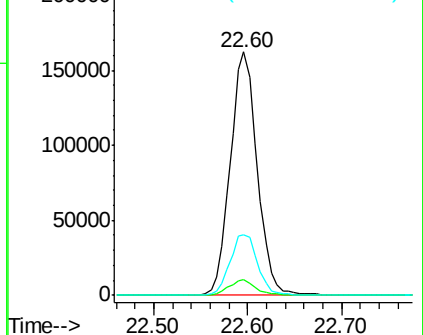
236 25.0 20.9 31.3



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: 2.843 ng

RT: 20.76 min Scan# 2973

Delta R.T. 0.36 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

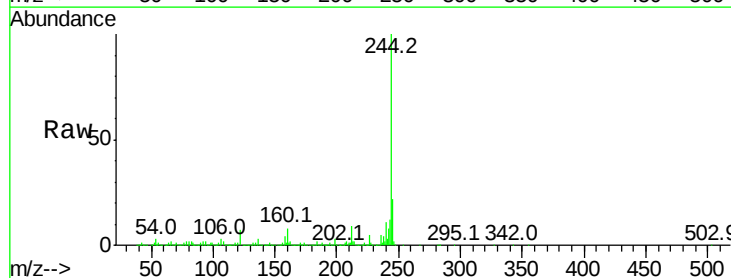
Tgt Ion:184 Resp: 24837

Ion Ratio Lower Upper

184 100

185 14.9 11.1 16.7

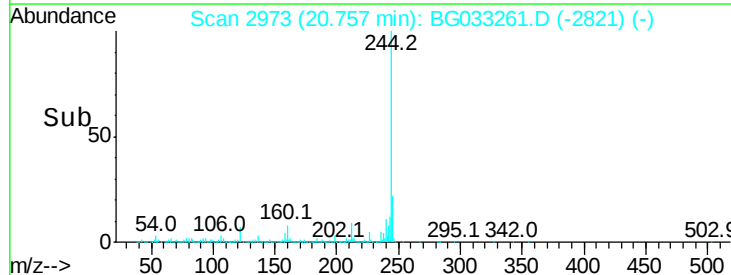
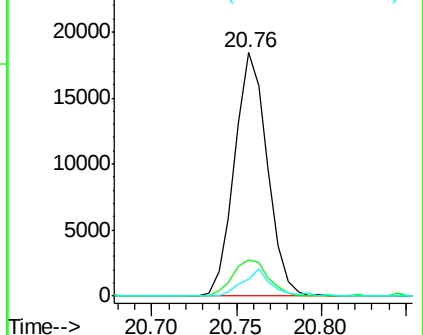
183 6.8 10.6 16.0#

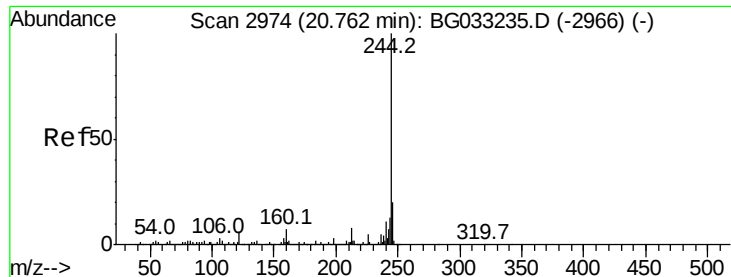


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.807 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

Instrument :

BNA_G

ClientSampleId :

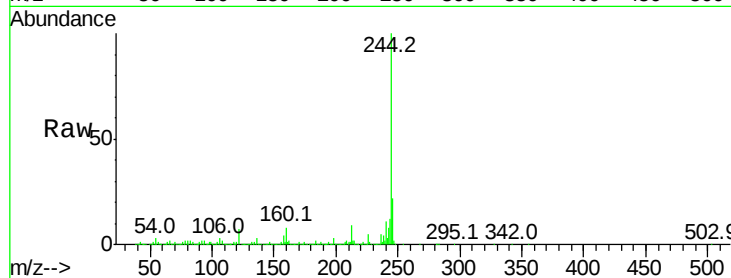
Tot Ion:244 Resp: 1473506

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

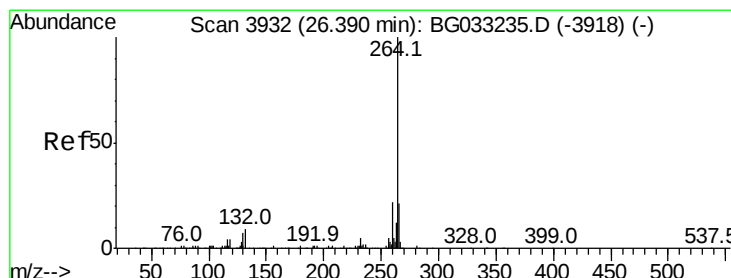
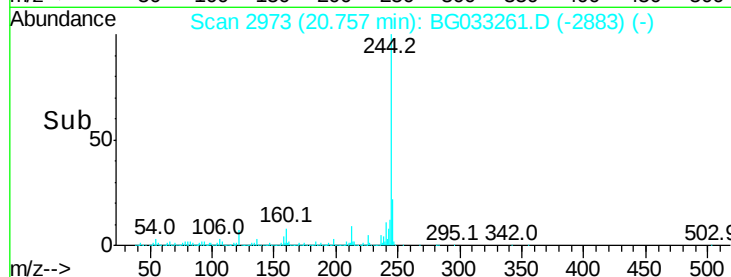
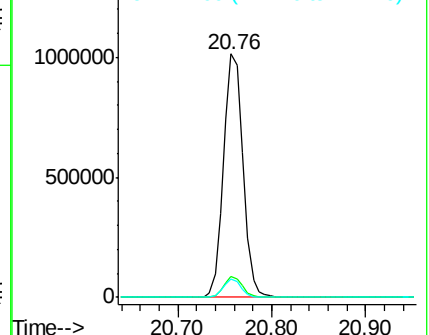
122 7.4 7.0 10.4



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: 26.39 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BG033261.D

Acq: 20 Mar 2018 4:30

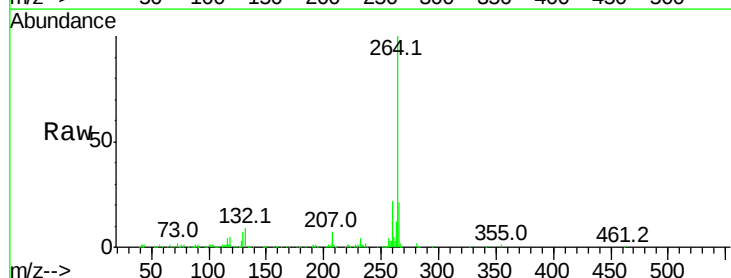
Tgt Ion:264 Resp: 333063

Ion Ratio Lower Upper

264 100

260 22.0 17.4 26.0

265 21.4 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

