

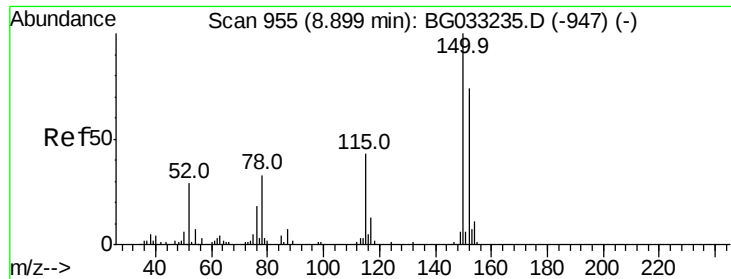
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG031918\
 Data File : BG033259.D
 Acq On : 20 Mar 2018 3:15
 Operator : SJ/JU
 Sample : J1953-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 20 04:36:25 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	37465	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	156801	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	118745	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	321514	20.00	ng	0.00
75) Chrysene-d12	22.59	240	333704	20.00	ng	0.00
86) Perylene-d12	26.38	264	344976	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	94484	47.29	ng	0.00
7) Phenol-d6	8.00	99	88649	25.82	ng	0.00
23) Nitrobenzene-d5	10.09	82	310682	91.03	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	174384	98.19	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	748697	91.02	ng	0.00
78) Terphenyl-d14	20.76	244	1398350	89.62	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.09	70	41783	16.610	ng	Qvalue # 75
49) Dimethylphthalate	14.93	163	28540	2.762	ng	# 99
50) 2,6-Dinitrotoluene	15.51	165	15635	7.399	ng	# 20
53) 2,4-Dinitrophenol	15.14	184	57	7.690	ng	# 1
56) 2,4-Dinitrotoluene	15.51	165	15700	5.046	ng	# 18
66) 4-Bromophenyl-phenylether	16.98	248	13177	3.490	ng	# 1
76) Benzidine	20.76	184	23731	2.622	ng	# 92

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

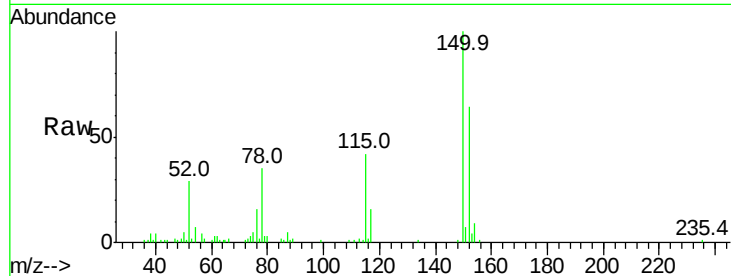


#1

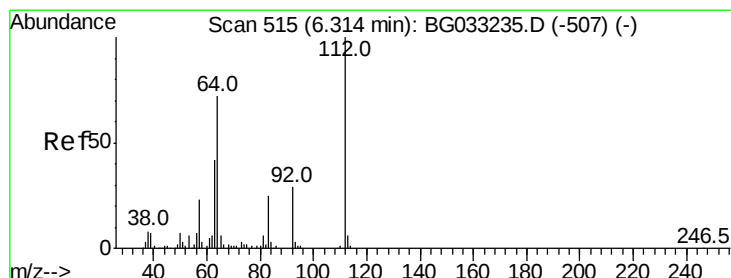
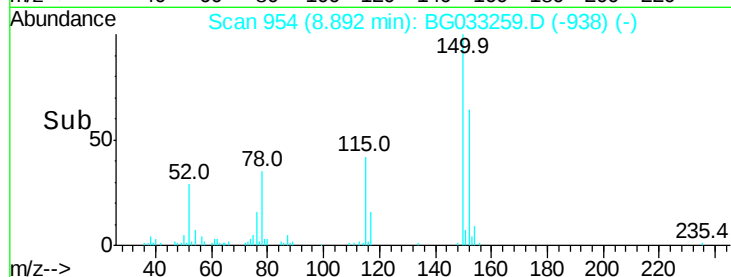
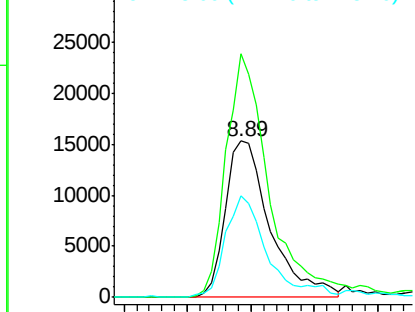
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.01 min
Lab File: BG033259.D
Acq: 20 Mar 2018 3:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 37465
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 64.8 53.0 79.4



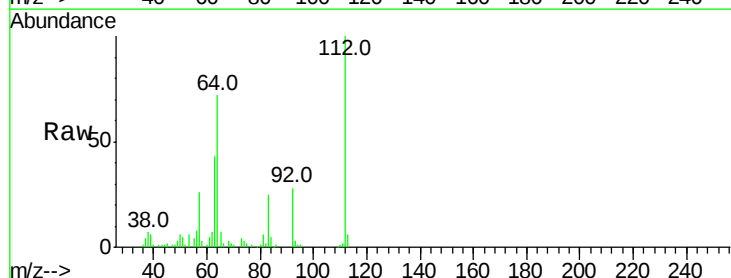
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



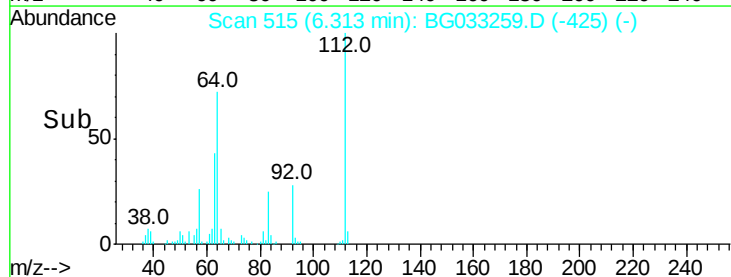
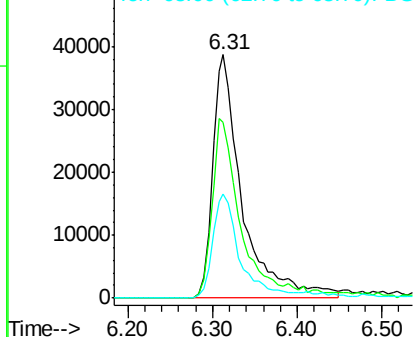
#5

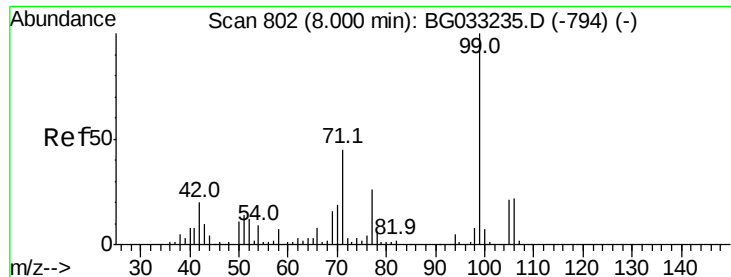
2-Fluorophenol
Concen: 47.289 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033259.D
Acq: 20 Mar 2018 3:15

Tgt Ion:112 Resp: 94484
Ion Ratio Lower Upper
112 100
64 72.2 56.3 84.5
63 42.8 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: 25.823 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Instrument :

BNA_G

ClientSampleId :

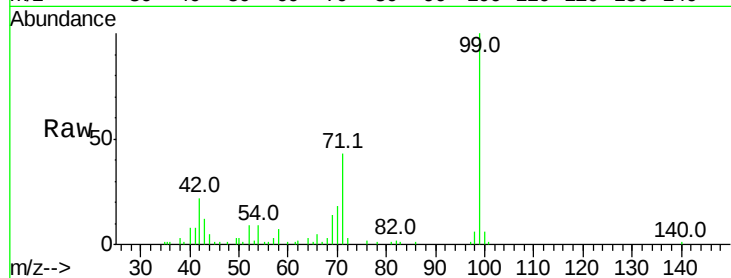
Tot Ion: 99 Resp: 88649

Ion Ratio Lower Upper

99 100

42 22.5 14.1 21.1#

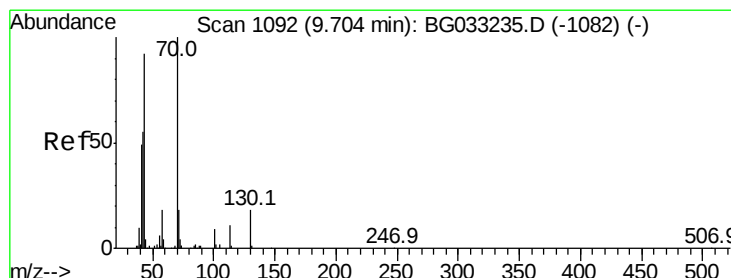
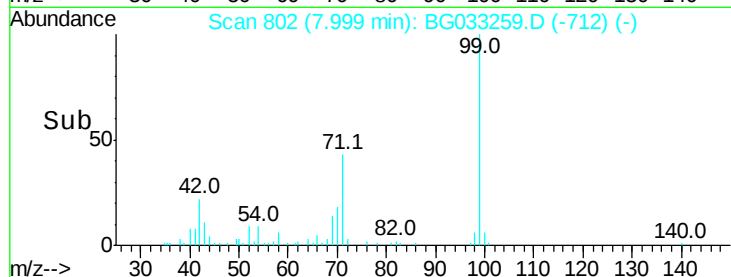
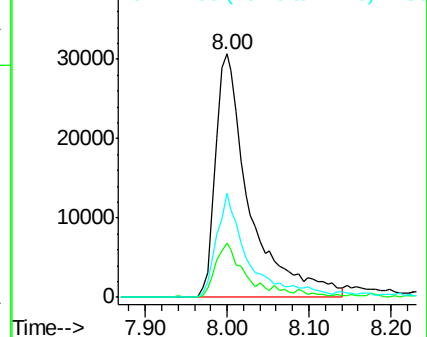
71 42.7 26.1 39.1#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.610 ng

RT: 10.09 min Scan# 1158

Delta R.T. 0.39 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Tgt Ion: 70 Resp: 41783

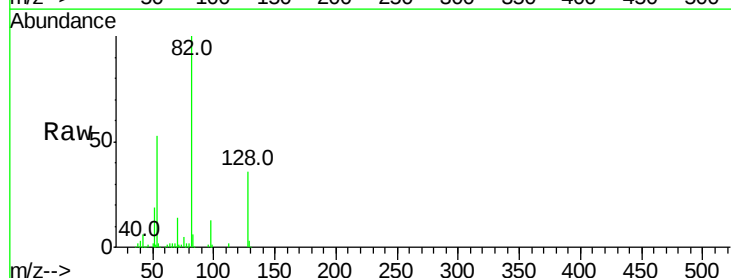
Ion Ratio Lower Upper

70 100

42 44.1 49.1 73.7#

101 0.0 8.5 12.7#

130 2.3 13.4 20.0#

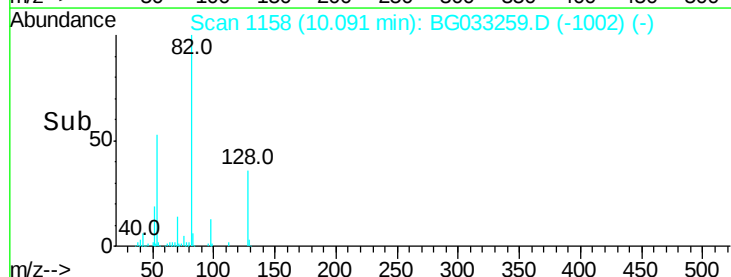
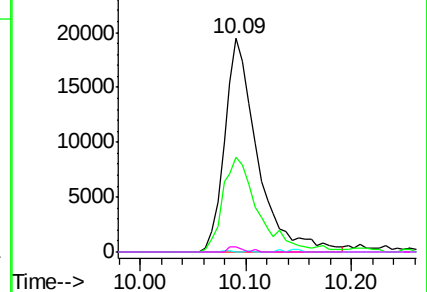


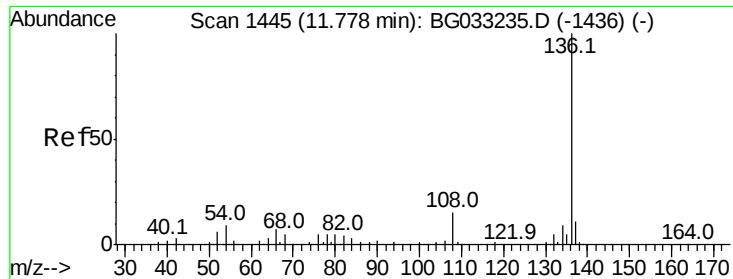
Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 156801

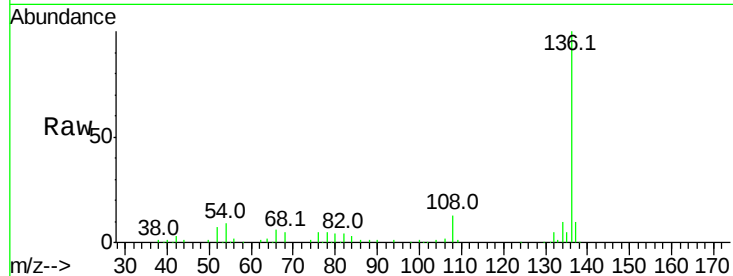
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 9.0 10.3 15.5#

68 5.0 4.5 6.7

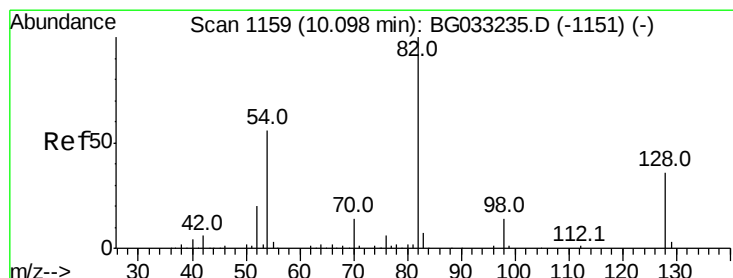
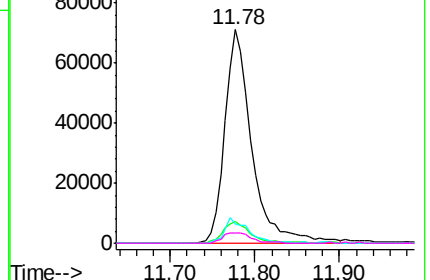
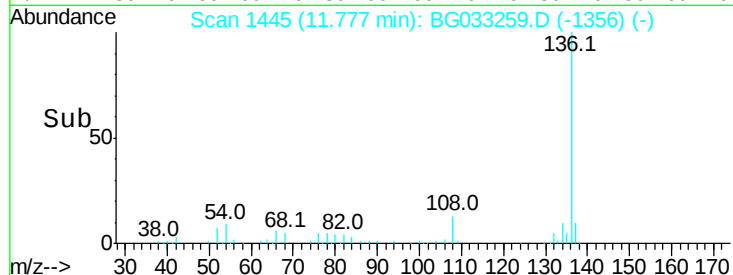


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): B

Ion 68.00 (67.70 to 68.70): B



#23

Nitrobenzene-d5

Concen: 91.033 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

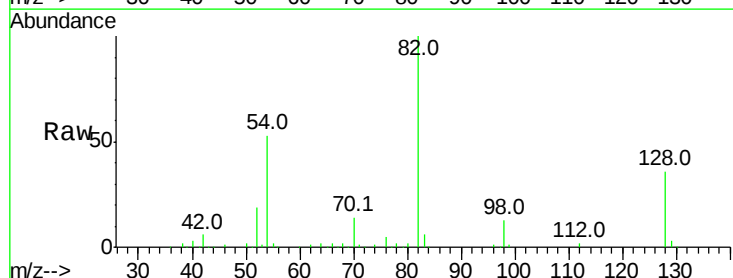
Tgt Ion: 82 Resp: 310682

Ion Ratio Lower Upper

82 100

128 36.5 29.7 44.5

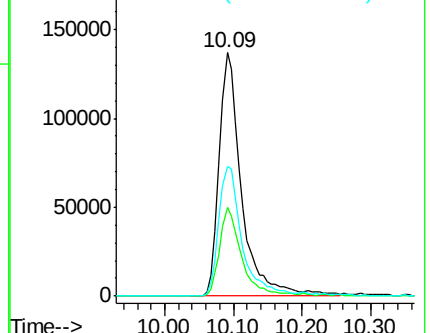
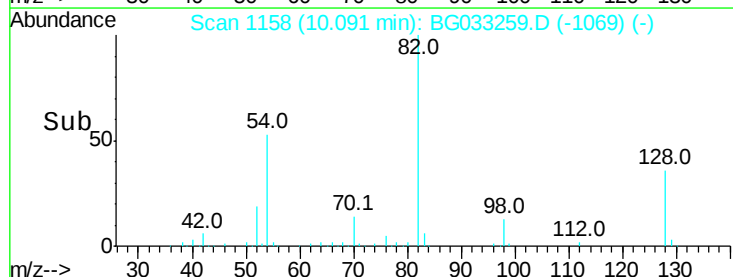
54 53.1 43.1 64.7

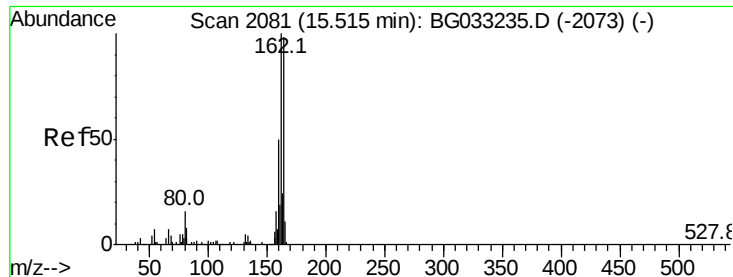


Abundance Ion 82.00 (81.70 to 82.70): B

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Instrument :

BNA_G

ClientSampleId :

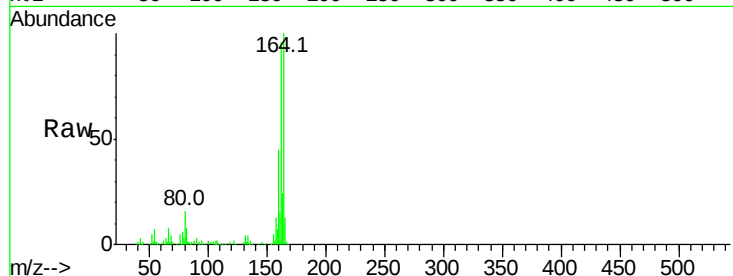
Tot Ion:164 Resp: 118745

Ion Ratio Lower Upper

164 100

162 96.0 78.8 118.2

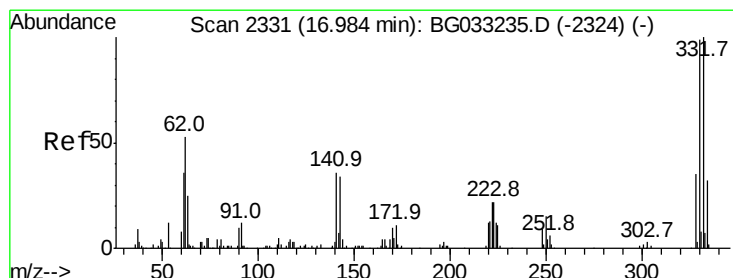
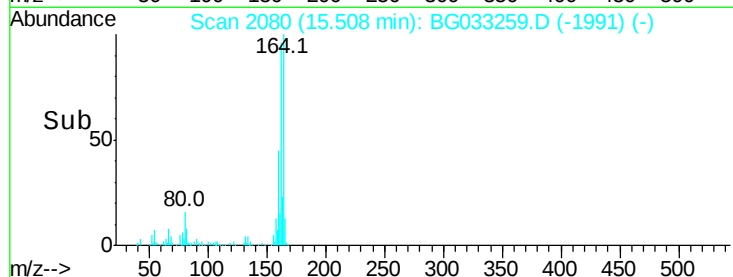
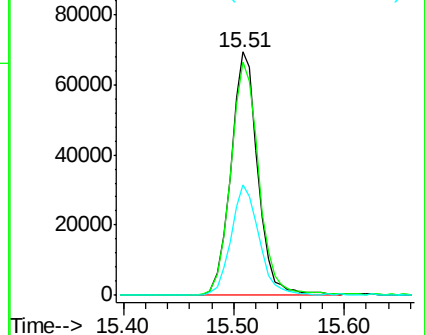
160 45.3 35.4 53.0



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: 98.191 ng

RT: 16.98 min Scan# 2331

Delta R.T. -0.00 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

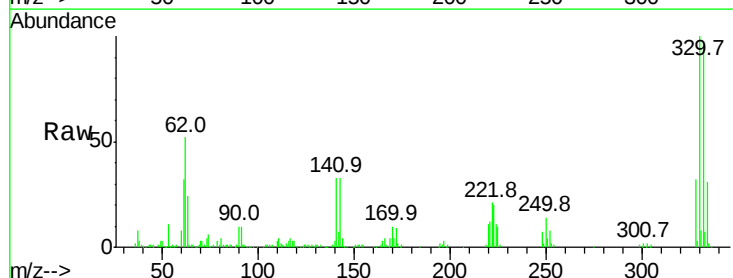
Tgt Ion:330 Resp: 174384

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

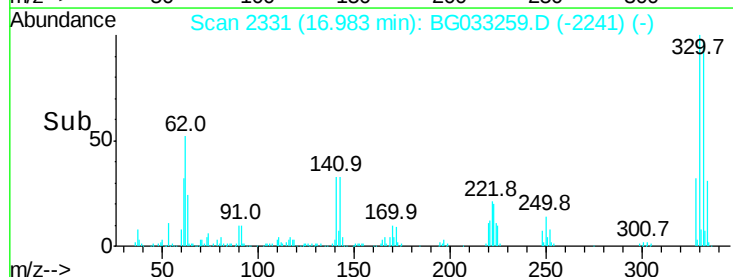
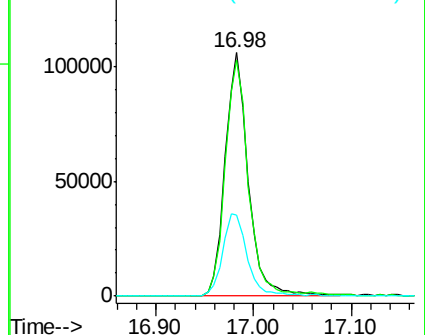
141 35.6 25.2 37.8

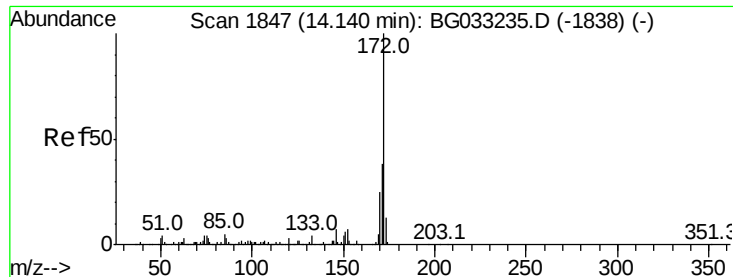


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

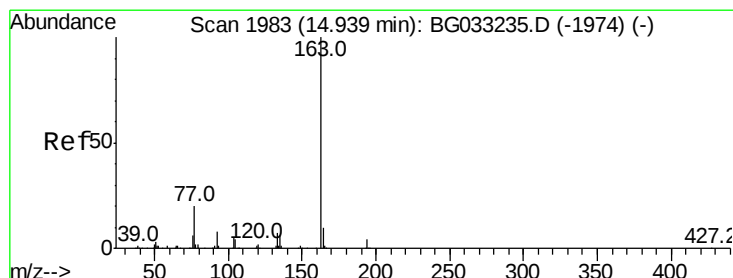
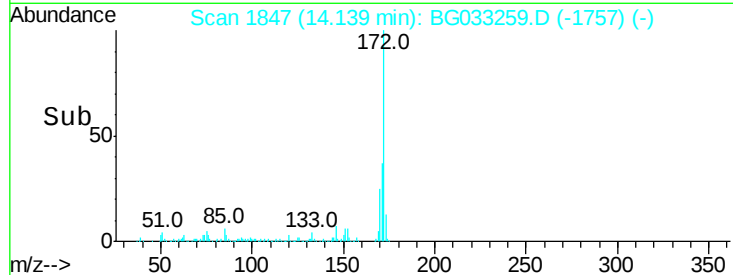
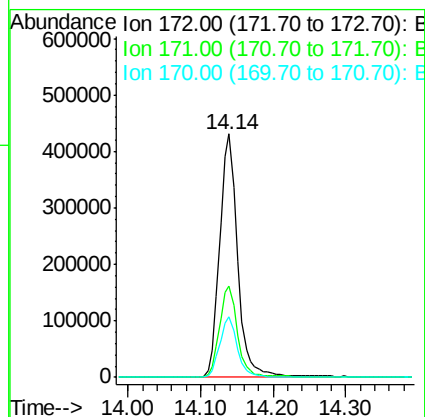
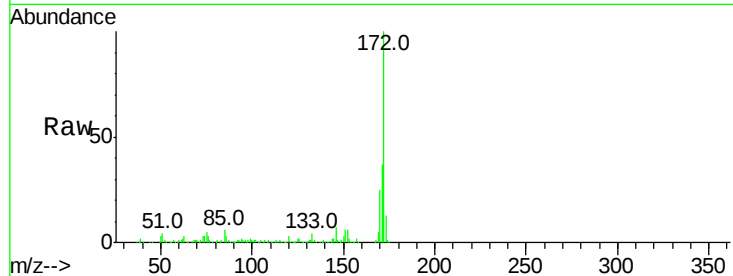




#44
2-Fluorobiphenyl
Concen: 91.022 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BG033259.D
Acq: 20 Mar 2018 3:15

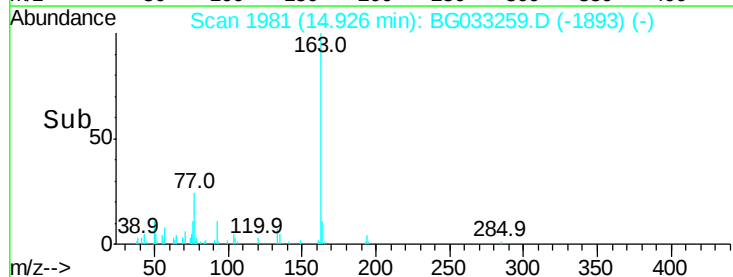
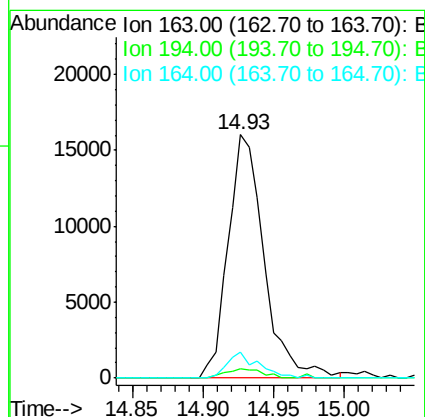
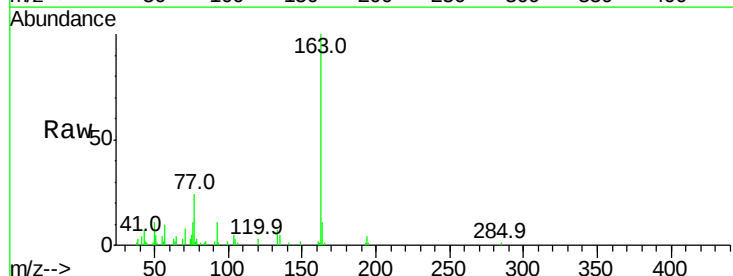
Instrument :
BNA_G
ClientSampled :

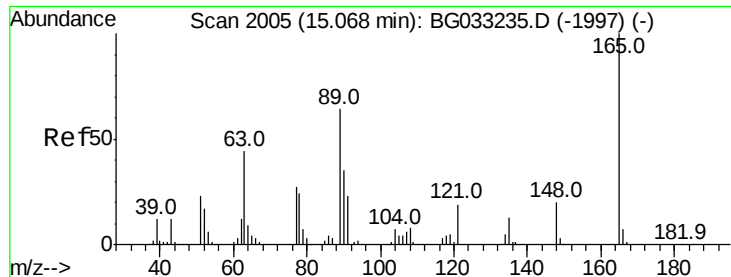
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.0	45.0
170	25.0	19.5	29.3



#49
Dimethylphthalate
Concen: 2.762 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG033259.D
Acq: 20 Mar 2018 3:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	10.7	8.2	12.4

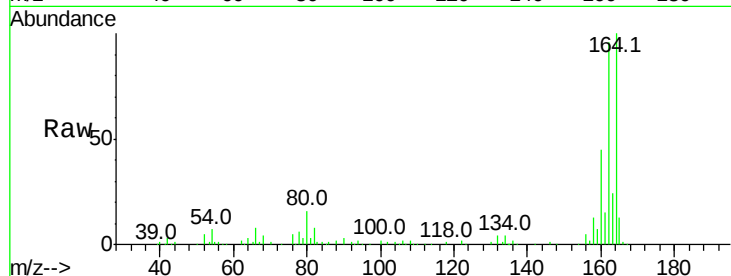




#50
 2,6-Dinitrotoluene
 Concen: 7.399 ng
 RT: 15.51 min Scan# 2080
 Delta R.T. 0.44 min
 Lab File: BG033259.D
 Acq: 20 Mar 2018 3:15

Instrument :
 BNA_G
 ClientSampleId :

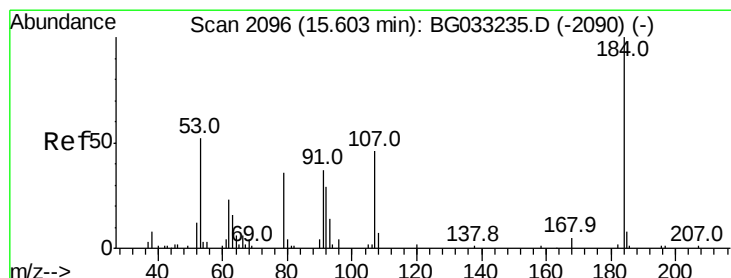
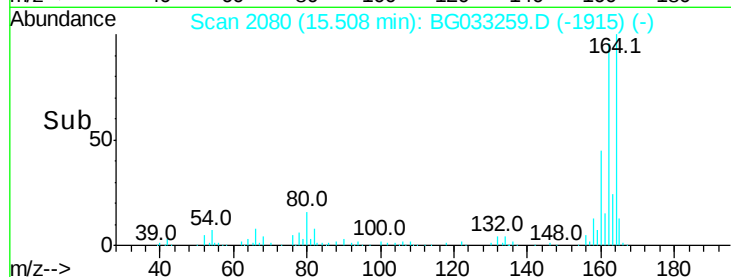
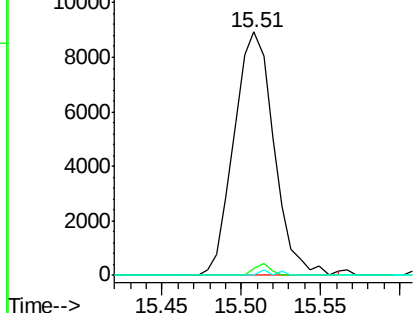
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

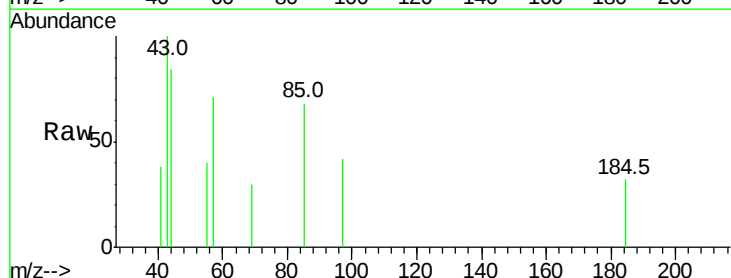
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#53
 2,4-Dinitrophenol
 Concen: 7.690 ng
 RT: 15.14 min Scan# 2017
 Delta R.T. -0.46 min
 Lab File: BG033259.D
 Acq: 20 Mar 2018 3:15

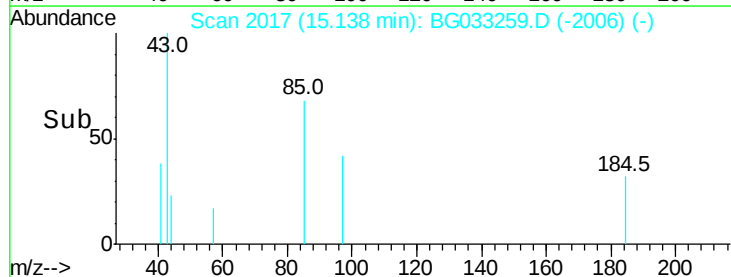
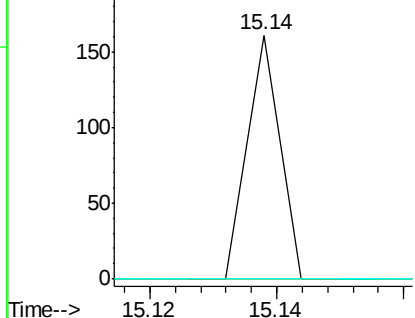
Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

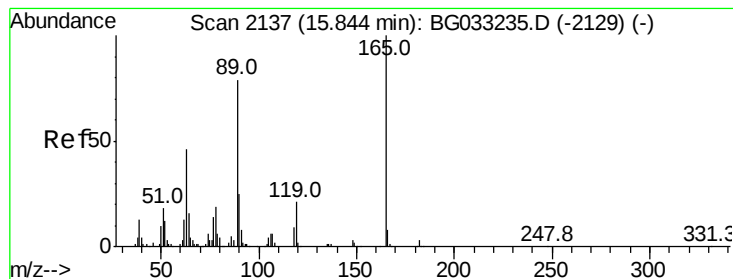


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#56

2,4-Dinitrotoluene

Concen: 5.046 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.34 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 15700

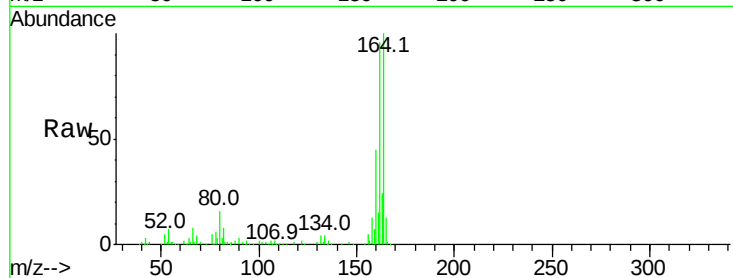
Ion Ratio Lower Upper

165 100

63 2.6 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

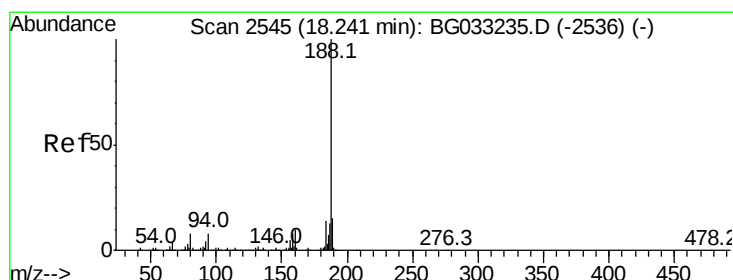
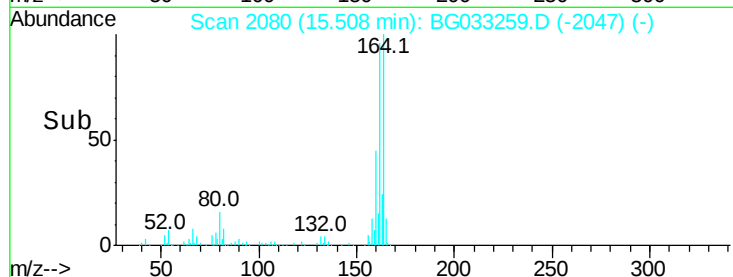
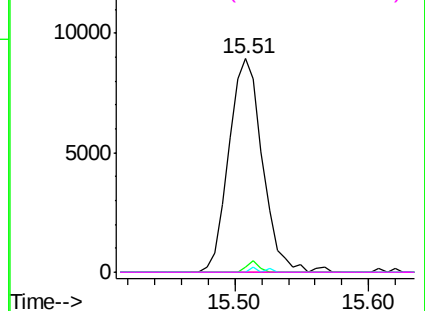


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033259.D

Acq: 20 Mar 2018 3:15

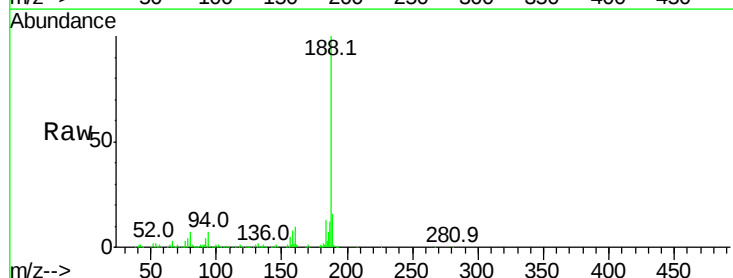
Tgt Ion:188 Resp: 321514

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

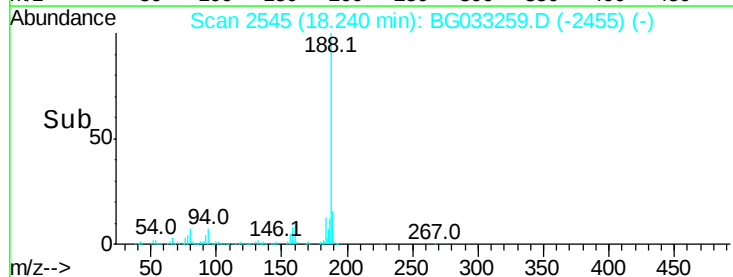
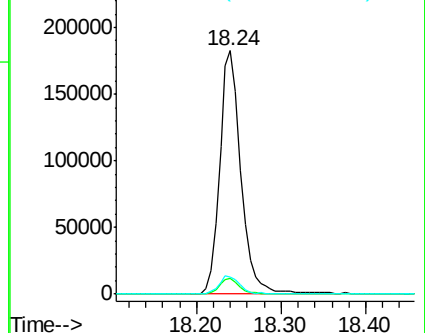
80 7.0 7.7 11.5#



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

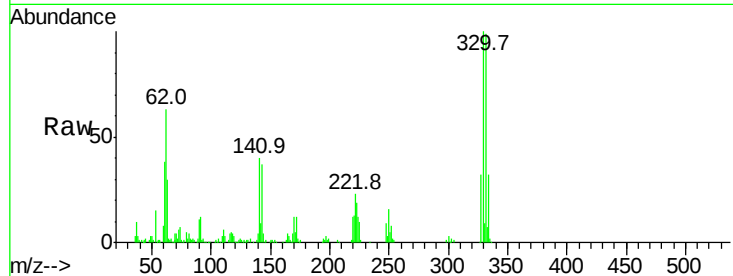




#66
 4-Bromophenyl-phenylether
 Concen: 3.490 ng
 RT: 16.98 min Scan# 2330
 Delta R.T. -0.44 min
 Lab File: BG033259.D
 Acq: 20 Mar 2018 3:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	225.3	77.1	115.7#
141	435.8	50.8	76.2#

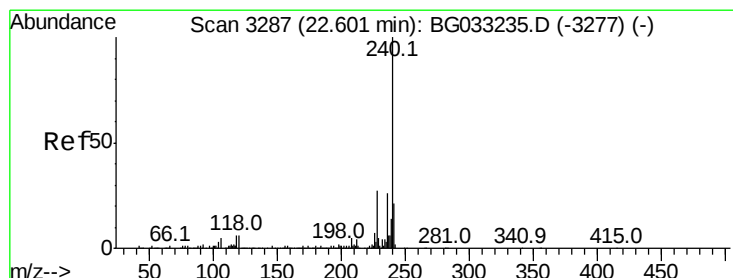
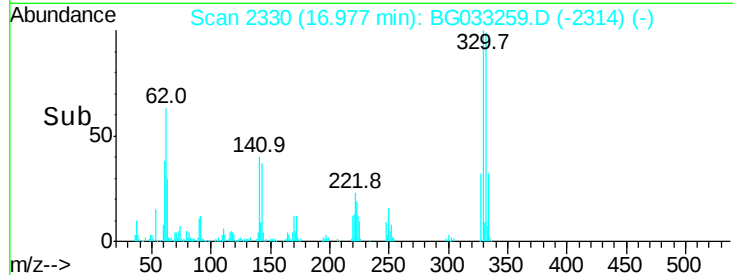
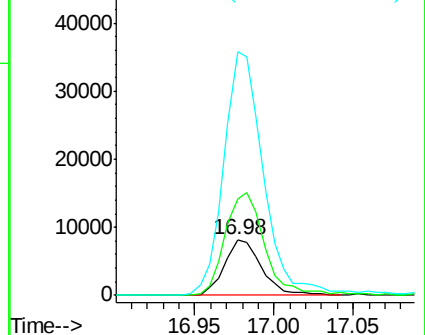


Abundance

Ion 248.00 (247.70 to 248.70): E

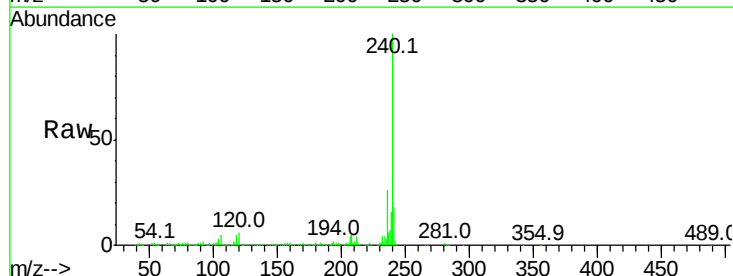
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.59 min Scan# 3286
 Delta R.T. -0.01 min
 Lab File: BG033259.D
 Acq: 20 Mar 2018 3:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.8	10.2#
236	25.8	20.9	31.3

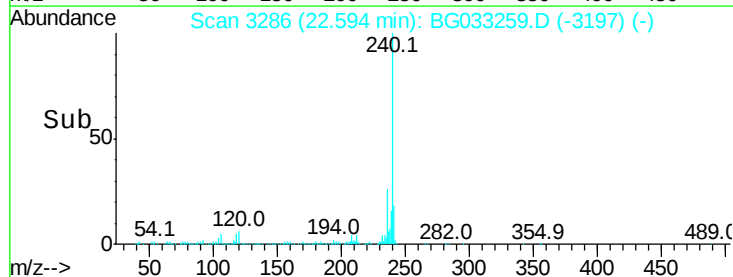
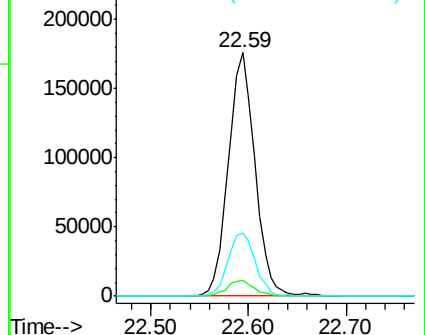


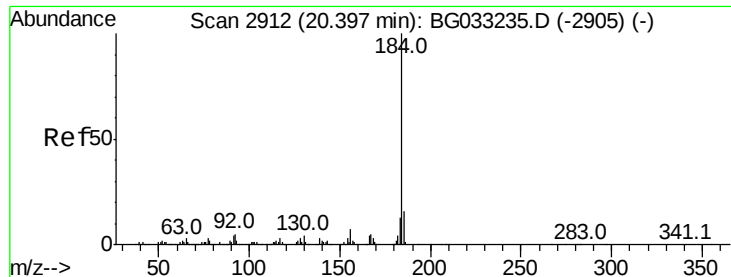
Abundance

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: 2.622 ng

RT: 20.76 min Scan# 2974

Delta R.T. 0.36 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

Instrument :

BNA_G

ClientSampleId :

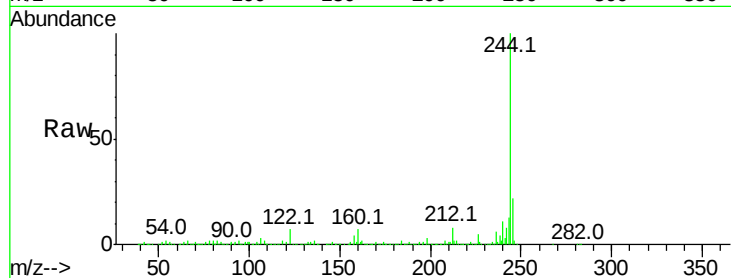
Tot Ion:184 Resp: 23731

Ion Ratio Lower Upper

184 100

185 16.9 11.1 16.7#

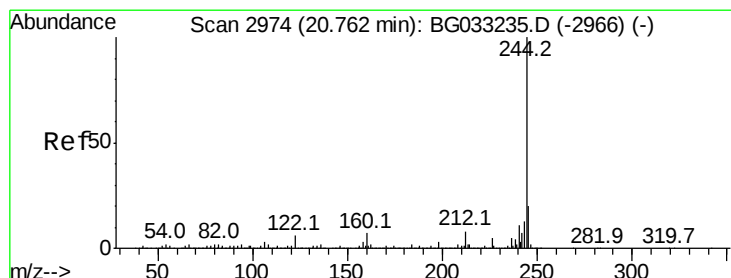
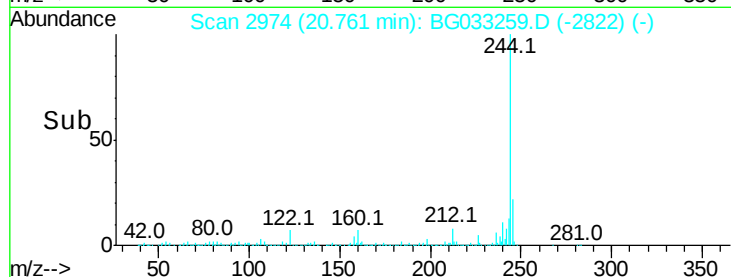
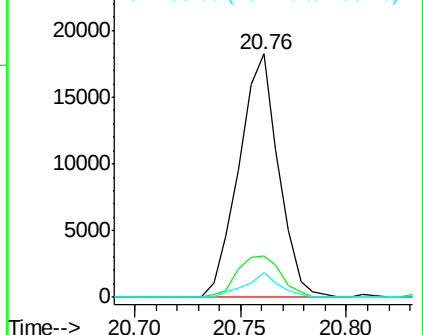
183 10.3 10.6 16.0#



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: 89.616 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033259.D

Acq: 20 Mar 2018 3:15

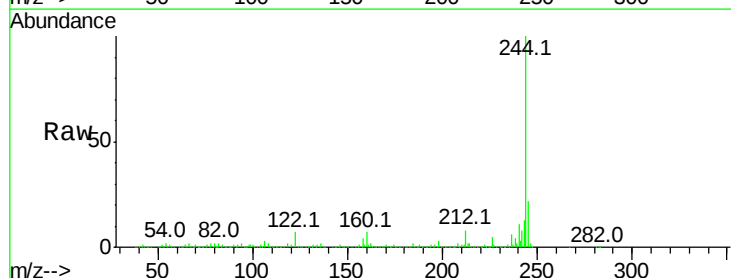
Tgt Ion:244 Resp: 1398350

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

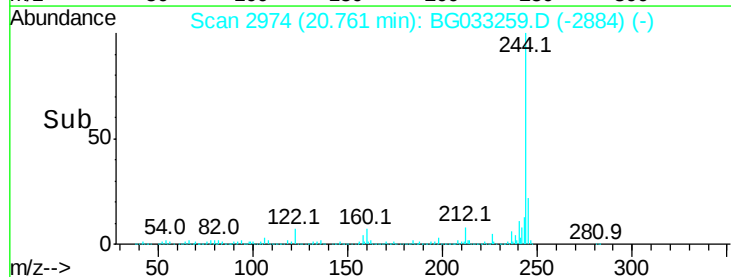
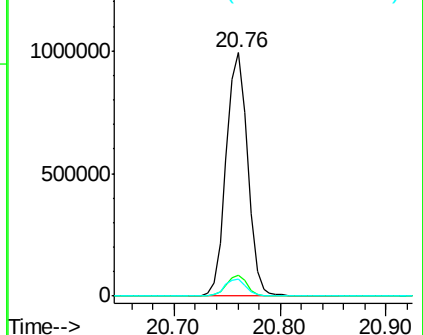
122 7.1 7.0 10.4

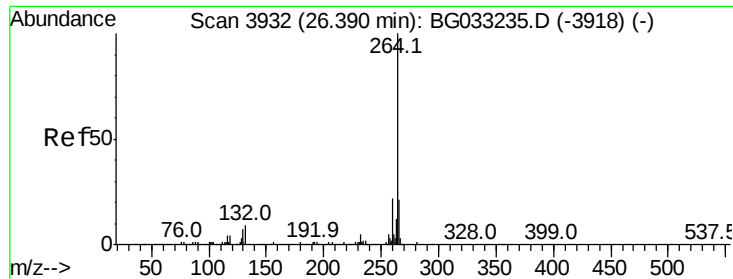


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

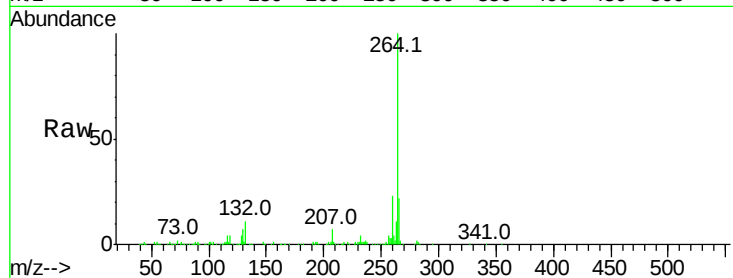




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.38 min Scan# 3931
 Delta R.T. -0.01 min
 Lab File: BG033259.D
 Acq: 20 Mar 2018 3:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	22.0	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

