

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032618\
 Data File : BG033359.D
 Acq On : 27 Mar 2018 9:39
 Operator : SJ/JU
 Sample : J2050-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 27 10:52:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

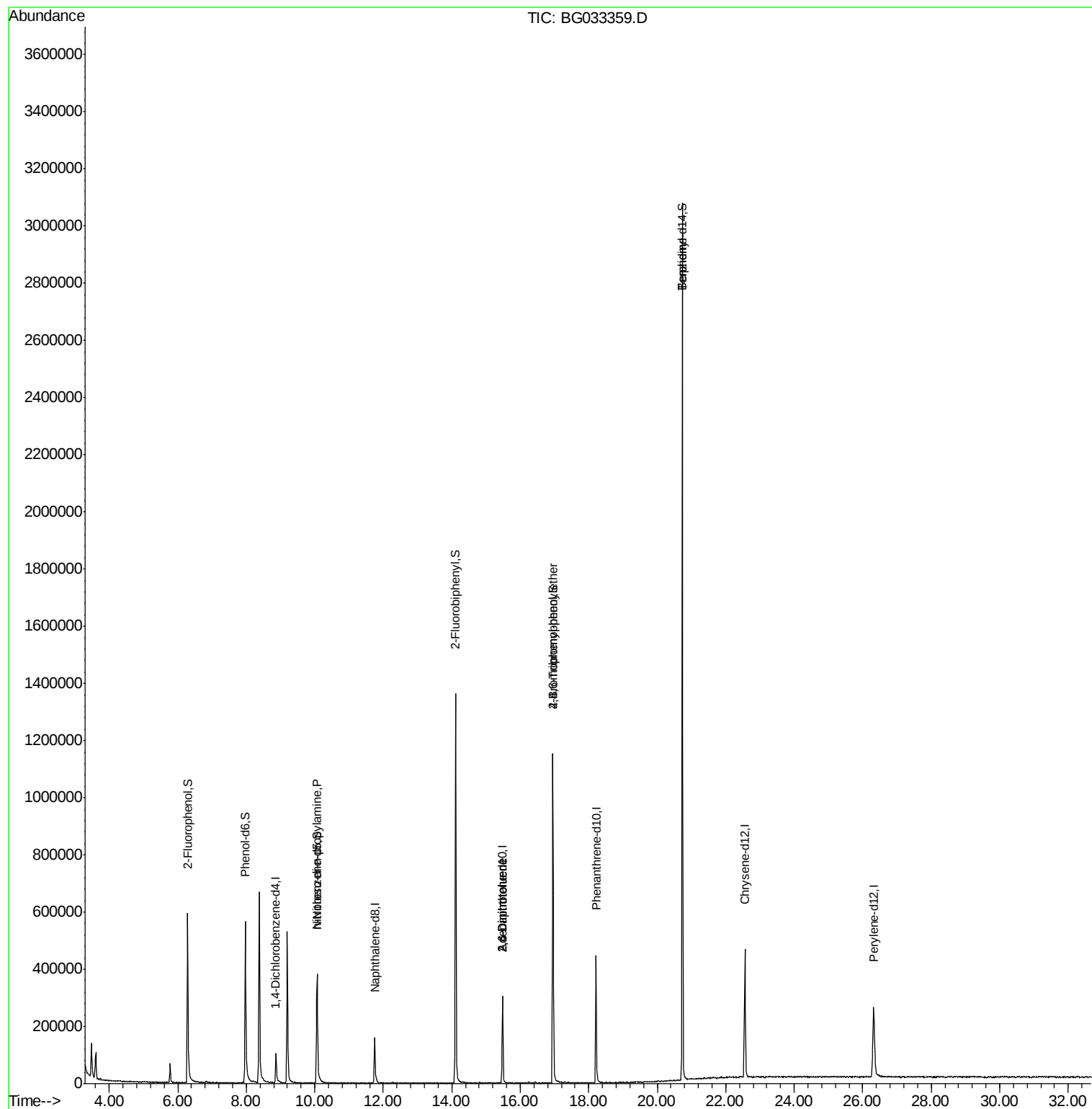
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	41445	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	158766	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	121014	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	320348	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	343554	20.00	ng	-0.04
86) Perylene-d12	26.32	264	366677	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	295688	133.78	ng	-0.02
7) Phenol-d6	7.97	99	397101	104.56	ng	-0.03
23) Nitrobenzene-d5	10.06	82	309412	89.54	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	243634	134.61	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	782876	93.39	ng	-0.03
78) Terphenyl-d14	20.73	244	1490206	92.76	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	40113	14.415	ng	# 81
50) 2,6-Dinitrotoluene	15.48	165	15607	7.248	ng	# 19
56) 2,4-Dinitrotoluene	15.48	165	15607	4.922	ng	# 17
66) 4-Bromophenyl-phenylether	16.95	248	18655	4.959	ng	# 1
76) Benzidine	20.73	184	24268	2.605	ng	# 92

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

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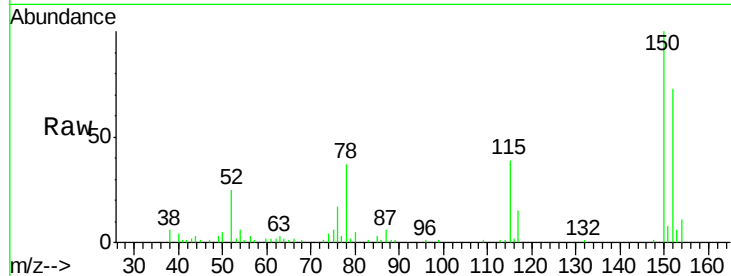




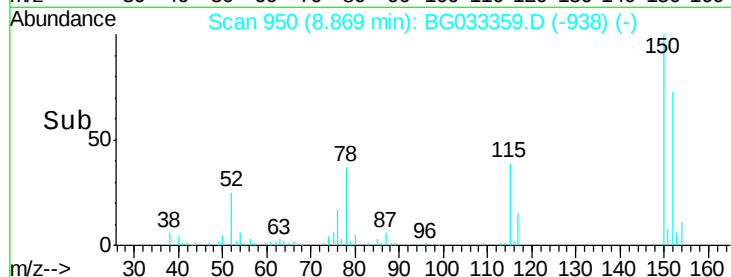
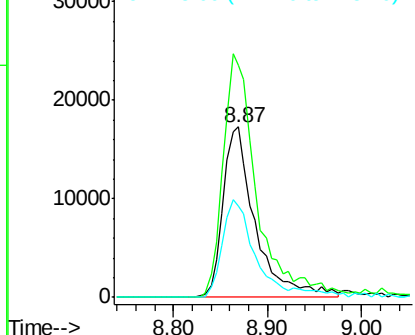
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.87 min Scan# 950
 Delta R.T. -0.03 min
 Lab File: BG033359.D
 Acq: 27 Mar 2018 9:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.3	126.6	189.8
115	53.6	53.0	79.4

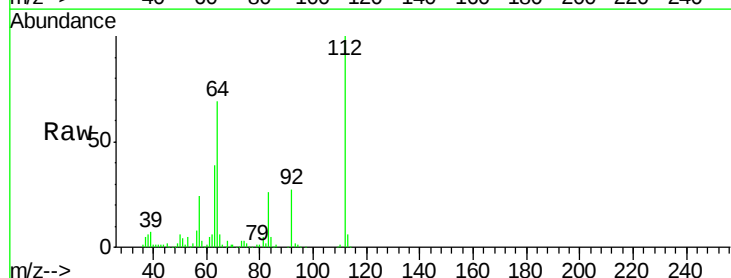


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

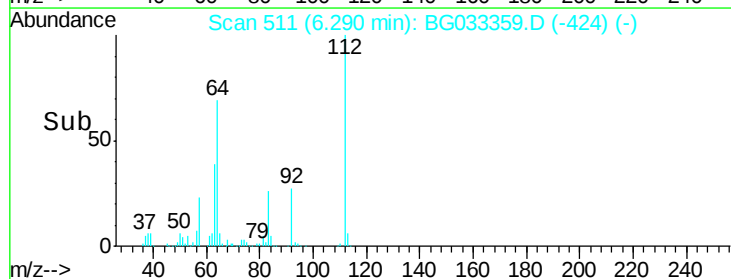
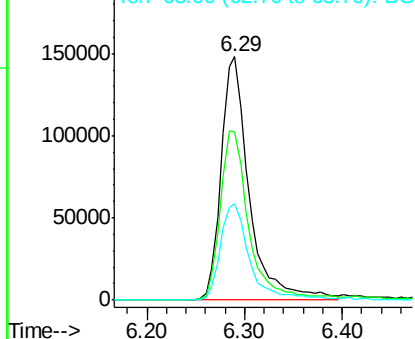


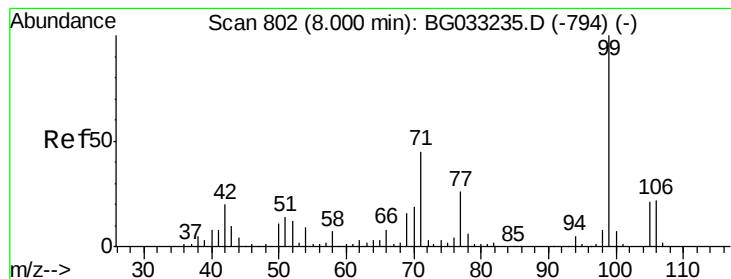
#5
 2-Fluorophenol
 Concen: 133.780 ng
 RT: 6.29 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: BG033359.D
 Acq: 27 Mar 2018 9:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	56.3	84.5
63	39.4	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: 104.564 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

Instrument :

BNA_G

ClientSampleId :

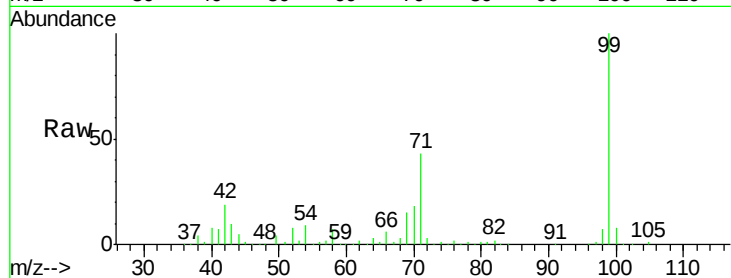
Tot Ion: 99 Resp: 397101

Ion Ratio Lower Upper

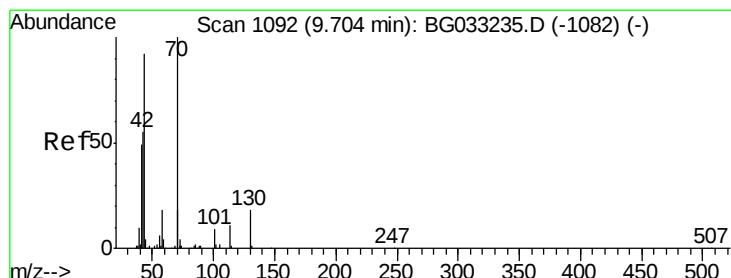
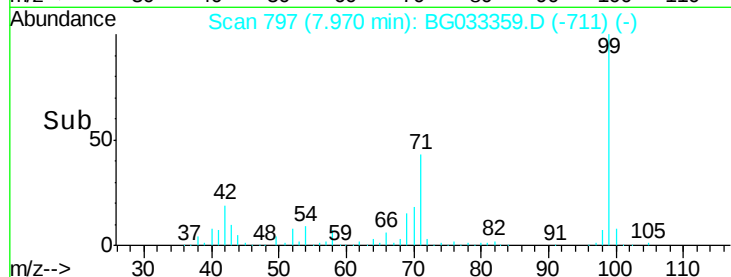
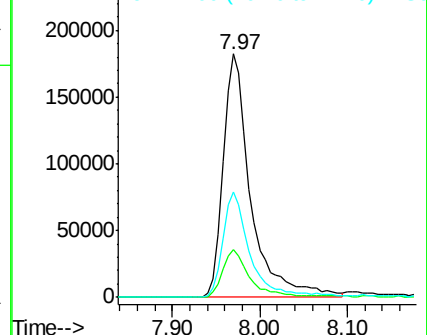
99 100

42 19.4 14.1 21.1

71 43.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.415 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

Tgt Ion: 70 Resp: 40113

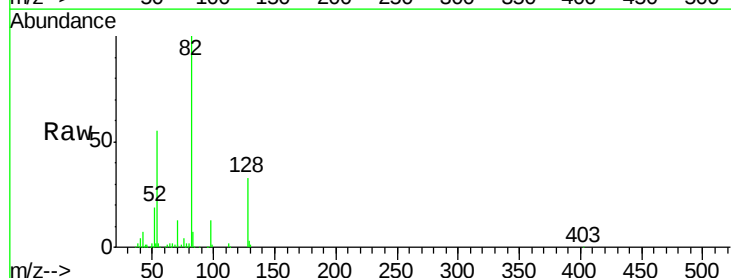
Ion Ratio Lower Upper

70 100

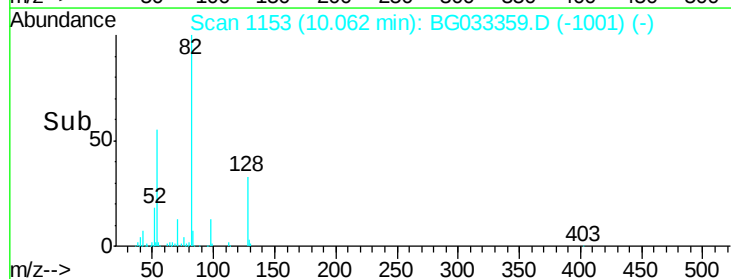
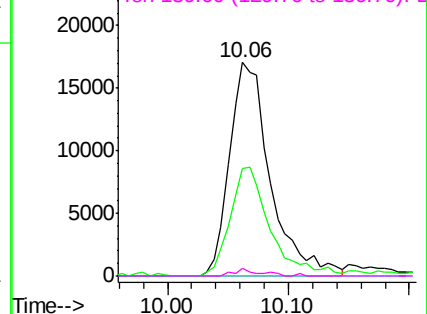
42 50.4 49.1 73.7

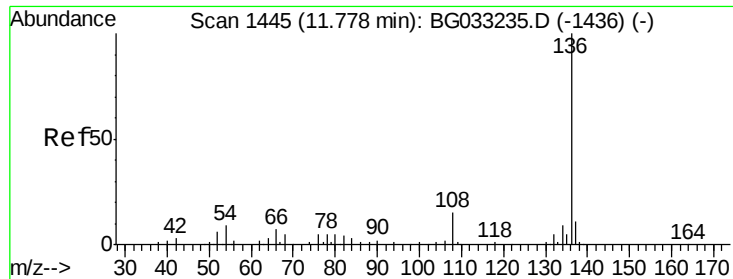
101 0.0 8.5 12.7#

130 3.9 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: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 158766

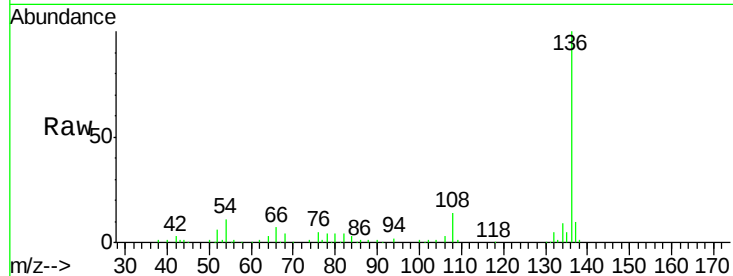
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 11.5 10.3 15.5

68 4.3 4.5 6.7#

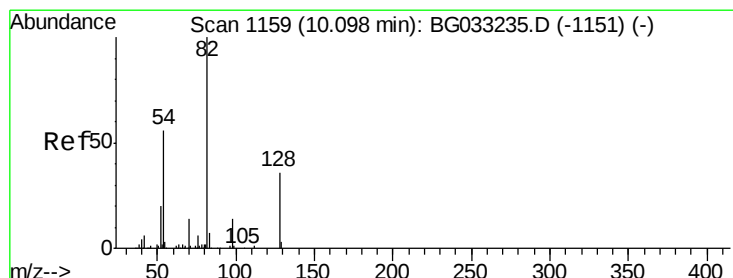
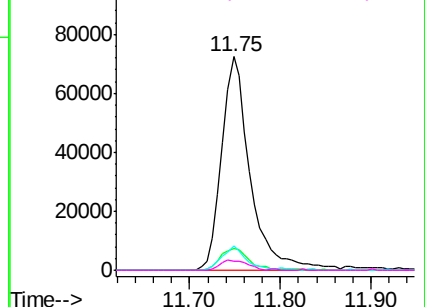
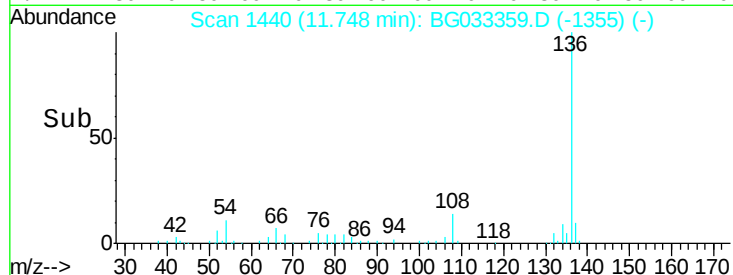


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.538 ng

RT: 10.06 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

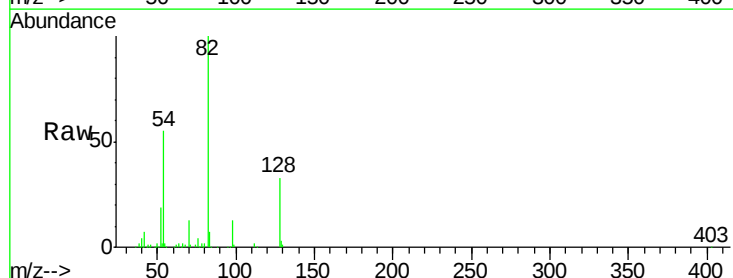
Tgt Ion: 82 Resp: 309412

Ion Ratio Lower Upper

82 100

128 32.9 29.7 44.5

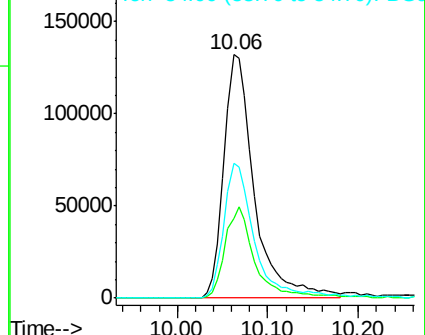
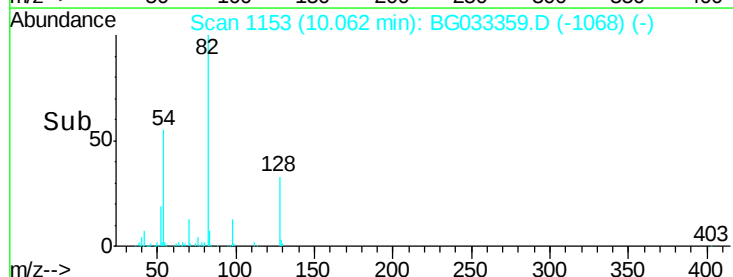
54 55.4 43.1 64.7

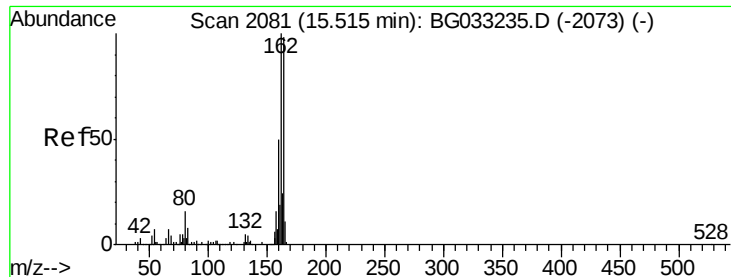


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

Instrument :

BNA_G

ClientSampleId :

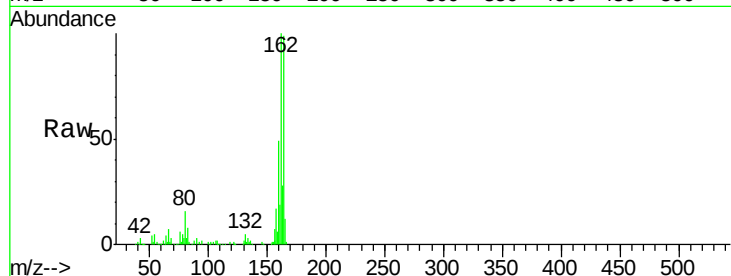
Tot Ion:164 Resp: 121014

Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

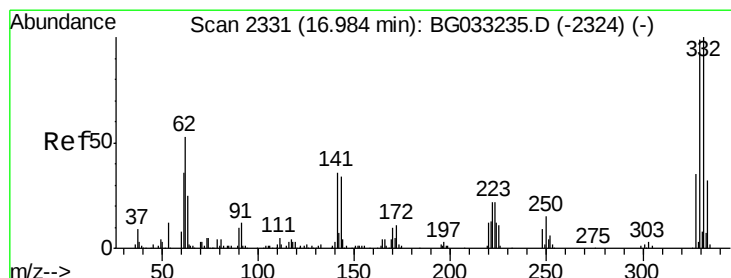
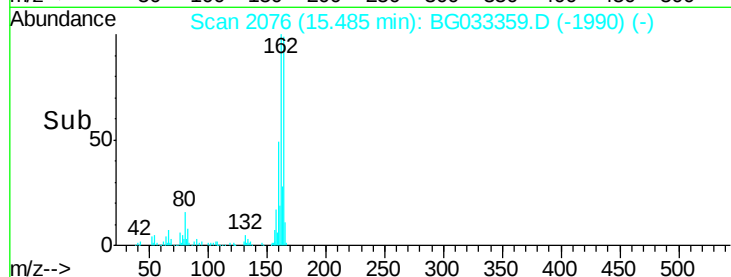
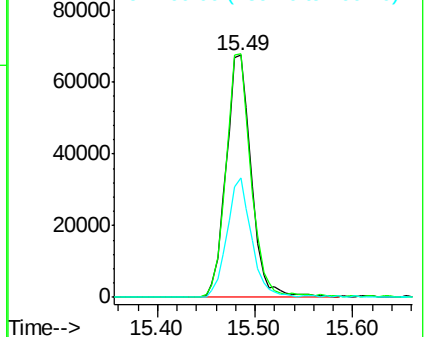
160 49.2 35.4 53.0



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: 134.611 ng

RT: 16.95 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

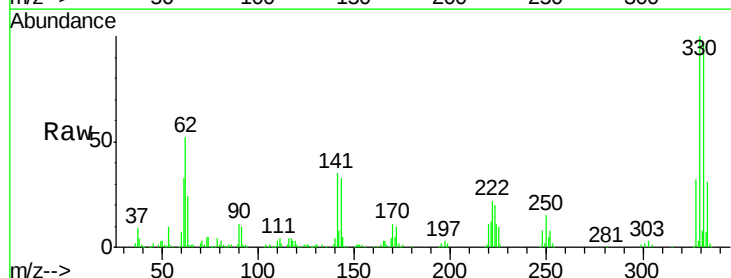
Tgt Ion:330 Resp: 243634

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

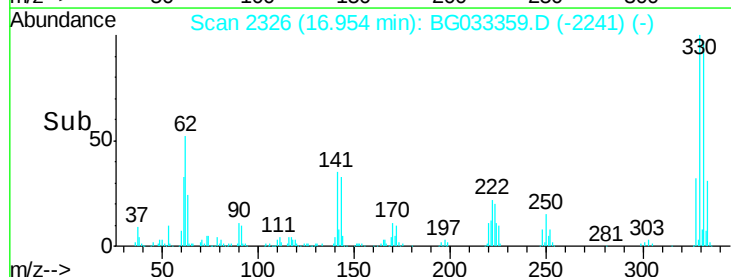
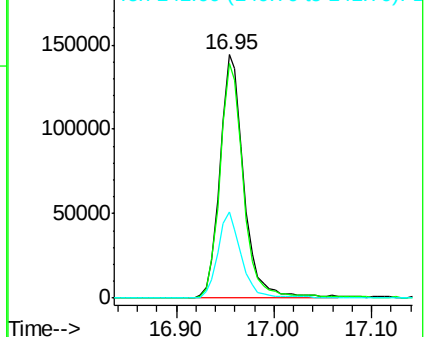
141 34.8 25.2 37.8



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

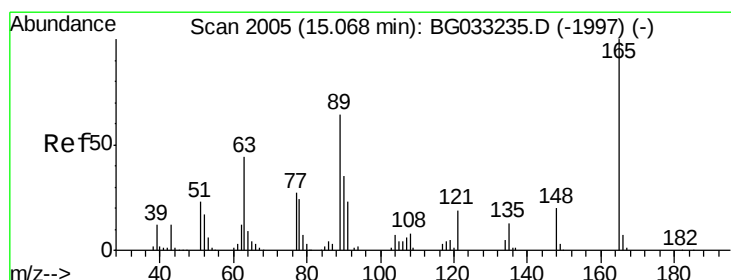
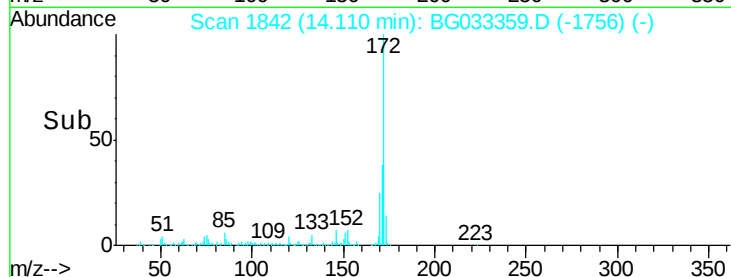
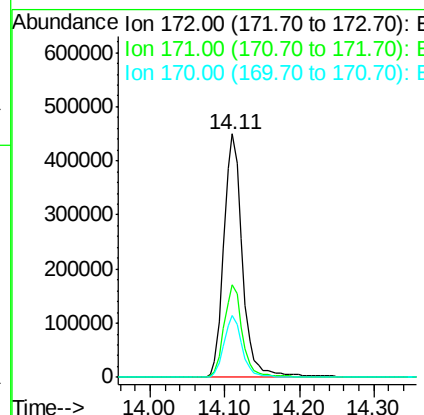
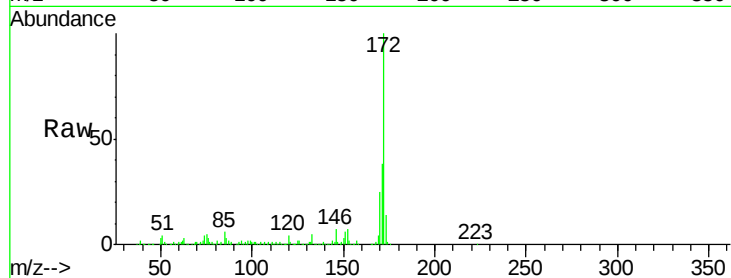




#44
2-Fluorobiphenyl
Concen: 93.393 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.03 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

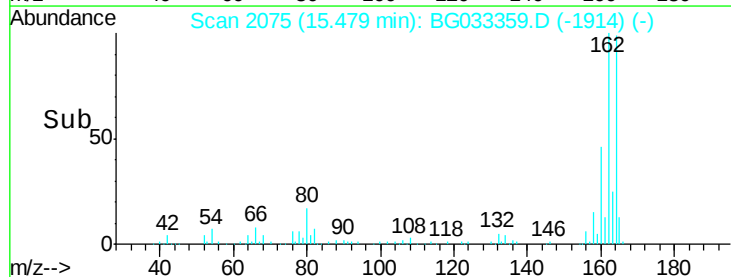
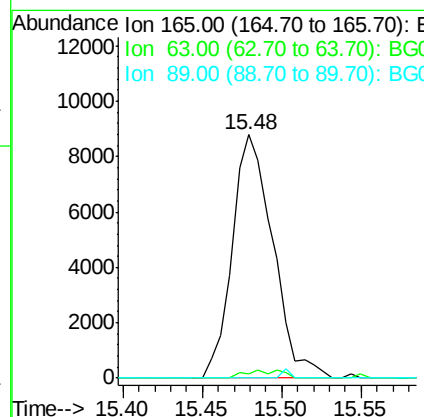
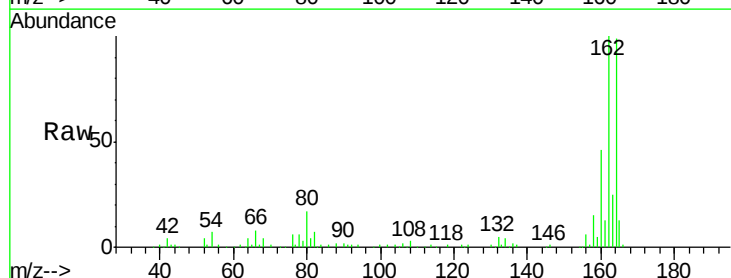
Instrument :
BNA_G
ClientSampleId :

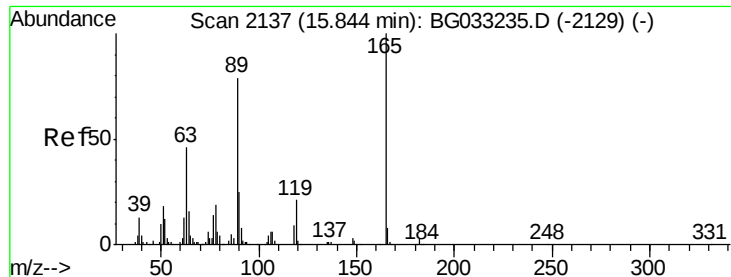
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.0	45.0
170	25.3	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 7.248 ng
RT: 15.48 min Scan# 2075
Delta R.T. 0.41 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	52.7	79.1#
89	0.0	49.2	73.8#

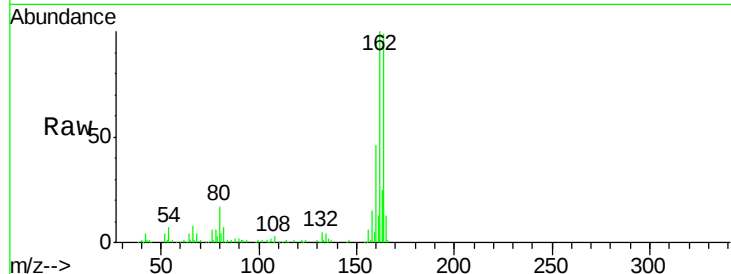




#56
2,4-Dinitrotoluene
Concen: 4.922 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.37 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

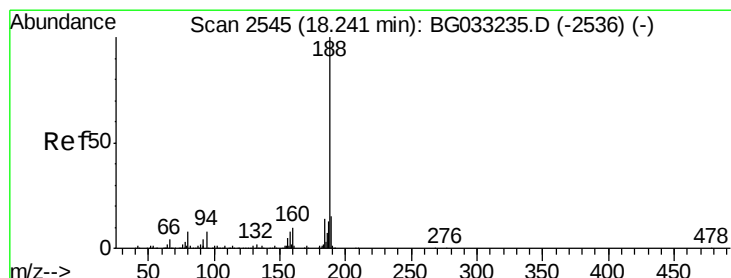
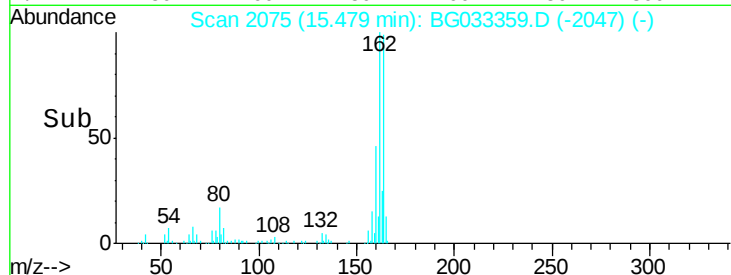
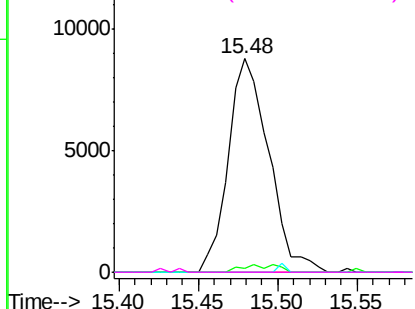


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

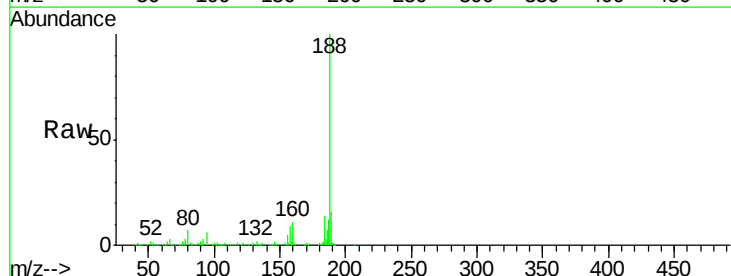
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

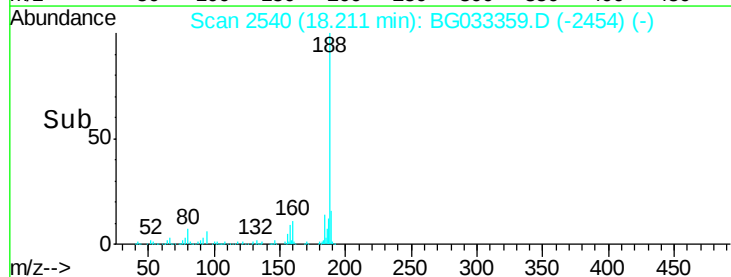
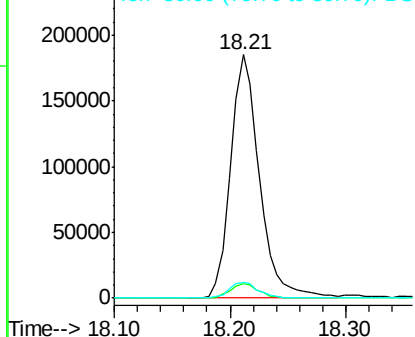
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	6.6	7.7	11.5#

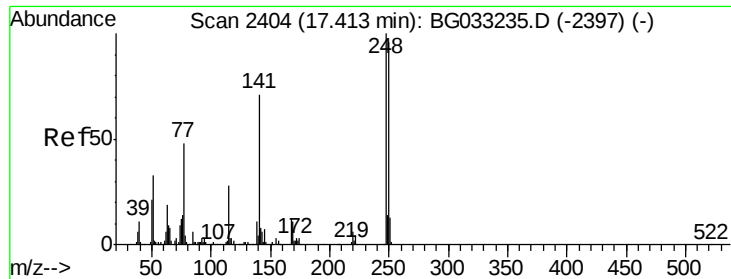


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

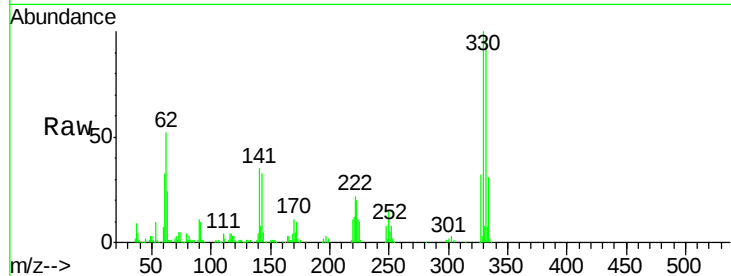




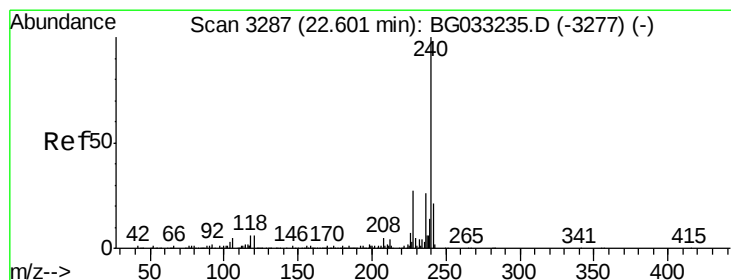
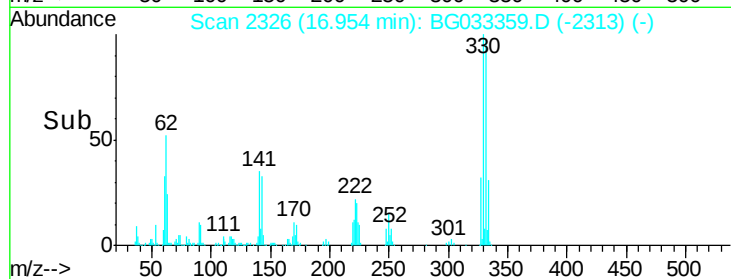
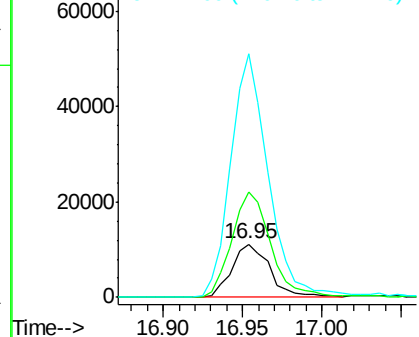
#66
4-Bromophenyl-phenylether
Concen: 4.959 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 18655
Ion Ratio Lower Upper
248 100
250 197.8 77.1 115.7#
141 459.5 50.8 76.2#

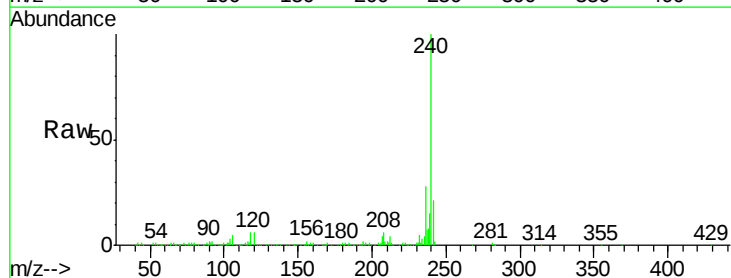


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

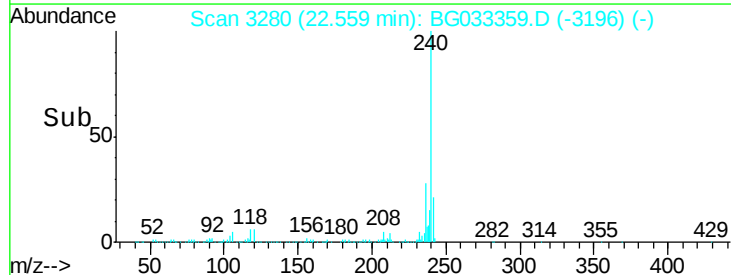
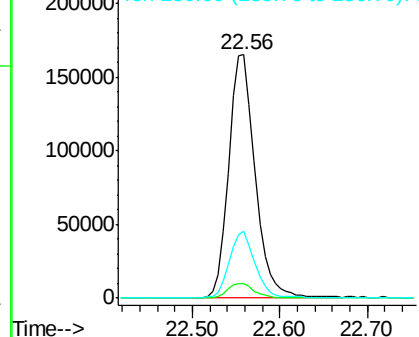


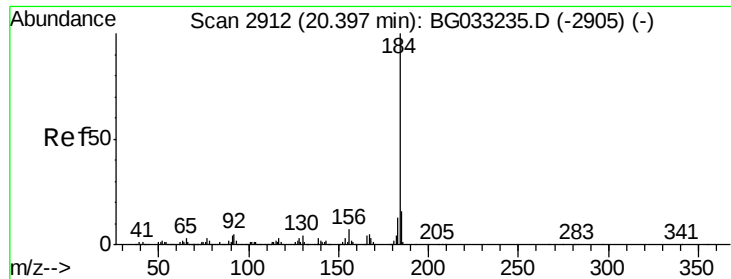
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3280
Delta R.T. -0.04 min
Lab File: BG033359.D
Acq: 27 Mar 2018 9:39

Tgt Ion:240 Resp: 343554
Ion Ratio Lower Upper
240 100
120 5.7 6.8 10.2#
236 27.6 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: 2.605 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

Instrument :

BNA_G

ClientSampleId :

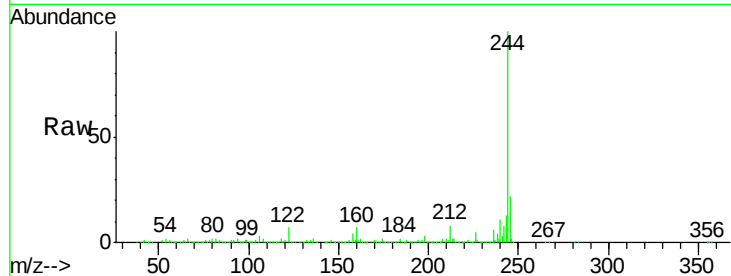
Tot Ion:184 Resp: 24268

Ion Ratio Lower Upper

184 100

185 15.3 11.1 16.7

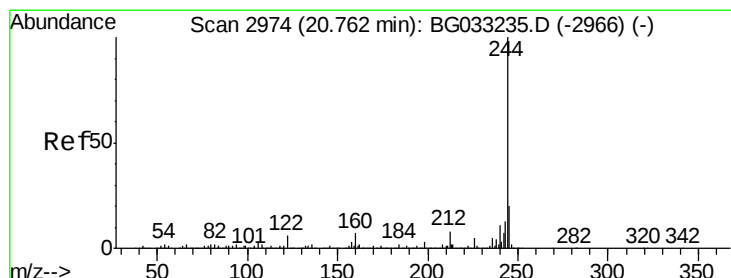
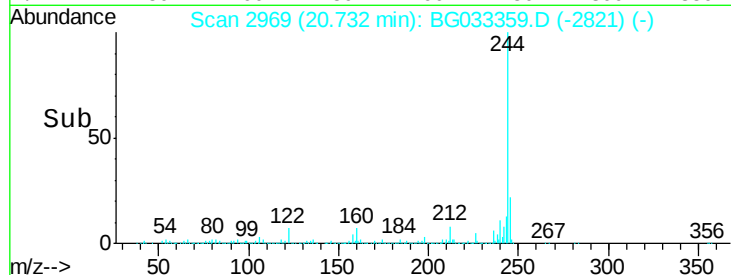
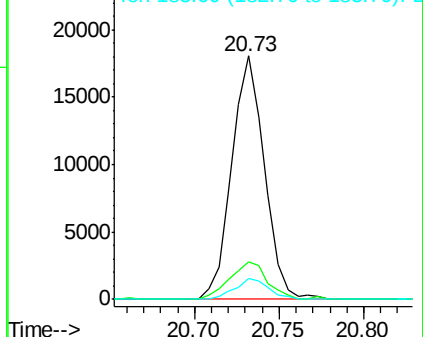
183 8.5 10.6 16.0#



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: 92.765 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033359.D

Acq: 27 Mar 2018 9:39

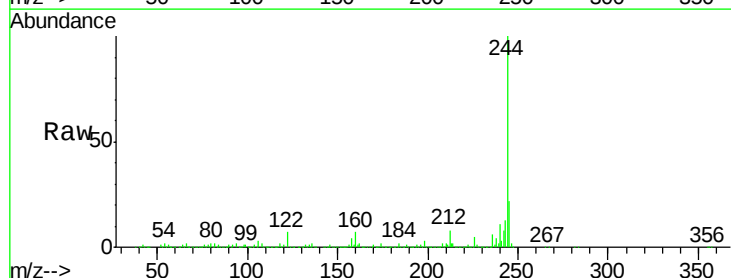
Tgt Ion:244 Resp: 1490206

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

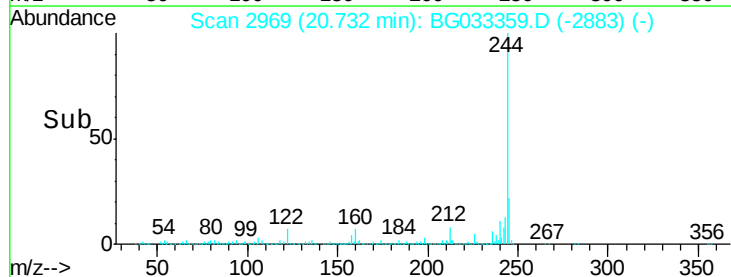
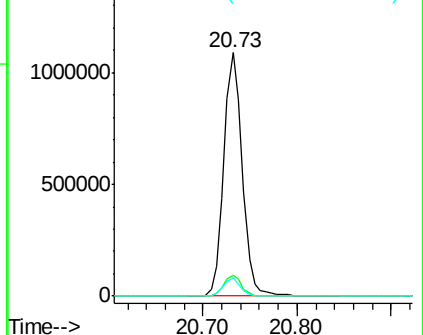
122 7.3 7.0 10.4

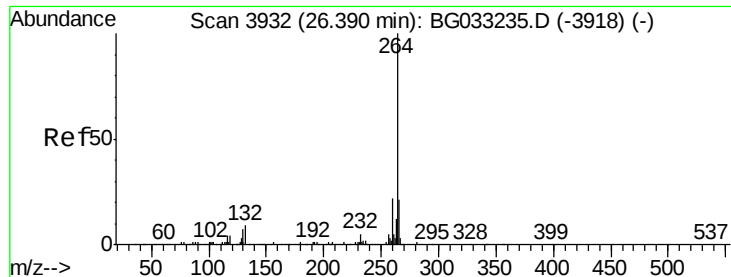


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

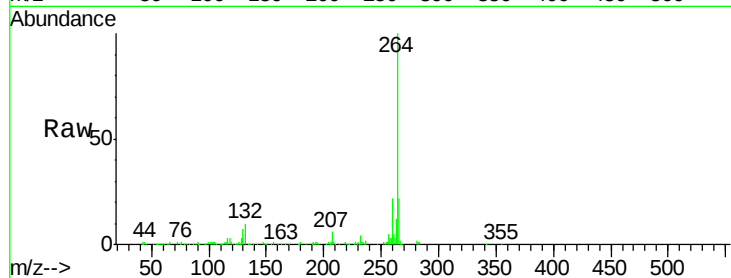




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.32 min Scan# 3920
 Delta R.T. -0.07 min
 Lab File: BG033359.D
 Acq: 27 Mar 2018 9:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	21.7	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

