

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061418\
 Data File : BG035144.D
 Acq On : 14 Jun 2018 19:11
 Operator : SJ/JU
 Sample : J3467-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 15 02:04:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

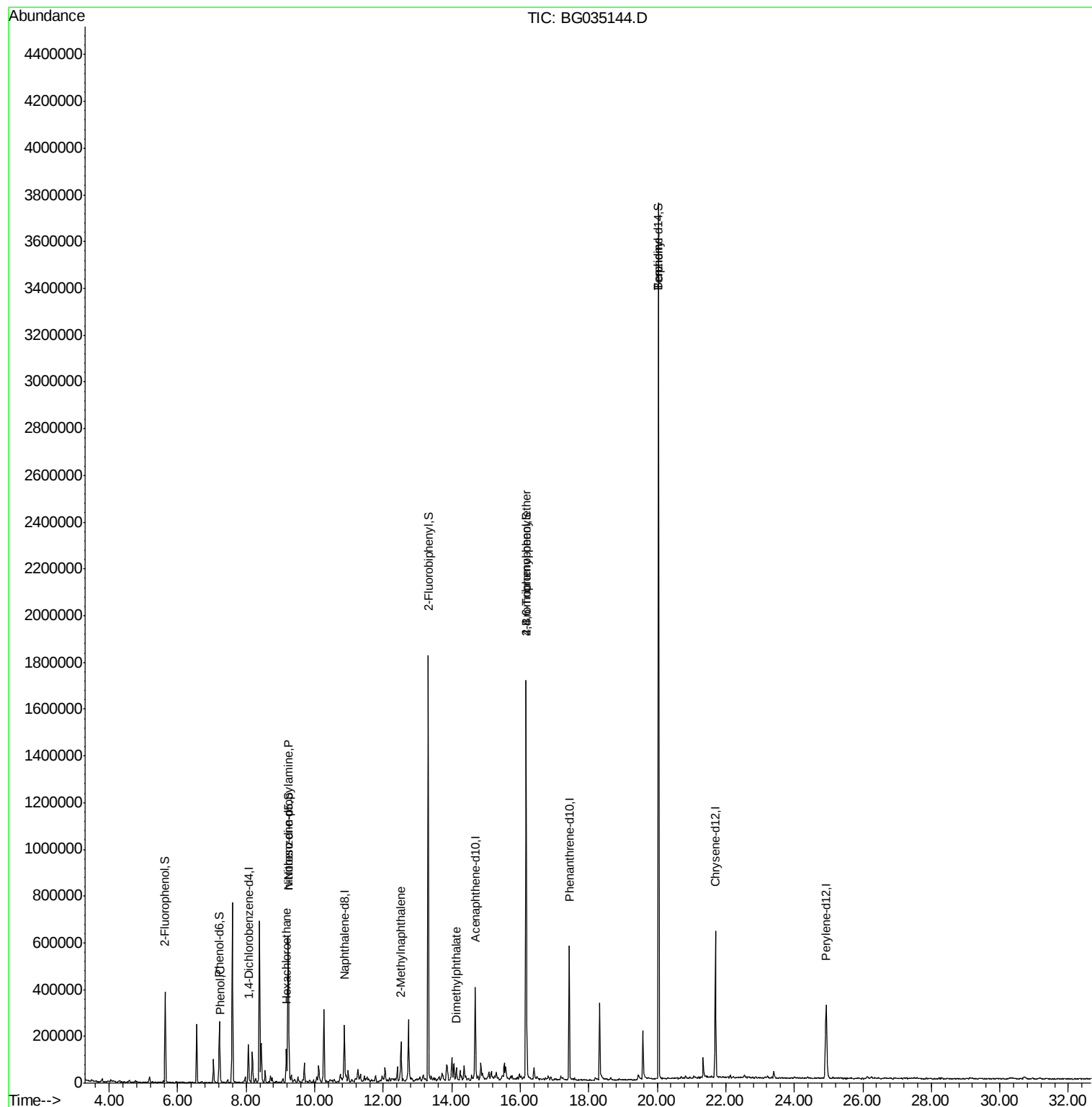
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46943	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	184579	20.00	ng	-0.02
38) Acenaphthene-d10	14.69	164	140652	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	354849	20.00	ng	0.00
75) Chrysene-d12	21.70	240	400131	20.00	ng	-0.02
86) Perylene-d12	24.93	264	384846	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	164821	59.25	ng	0.00
7) Phenol-d6	7.21	99	152524	37.15	ng	0.00
23) Nitrobenzene-d5	9.22	82	420714	108.35	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	303950	168.81	ng	0.00
44) 2-Fluorobiphenyl	13.31	172	970010	89.65	ng	-0.02
78) Terphenyl-d14	20.04	244	1749684	91.60	ng	0.00
Target Compounds						
10) Phenol	7.24	94	10364	2.439	ng	94
18) Hexachloroethane	9.18	117	23695	18.430	ng	# 1
19) n-Nitroso-di-n-propylamine	9.22	70	57988	16.625	ng	# 71
37) 2-Methylnaphthalene	12.52	142	78242	10.763	ng	98
49) Dimethylphthalate	14.14	163	29293	2.388	ng	# 95
66) 4-Bromophenyl-phenylether	16.17	248	25320	5.925	ng	# 1
76) Benizidine	20.04	184	31913	2.144	ng	# 87

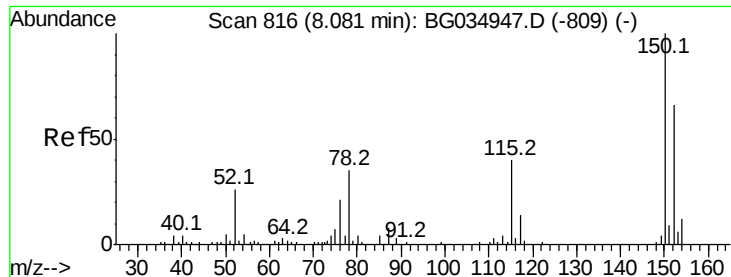
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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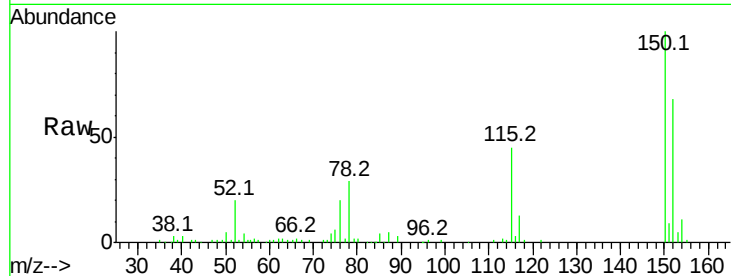


#1

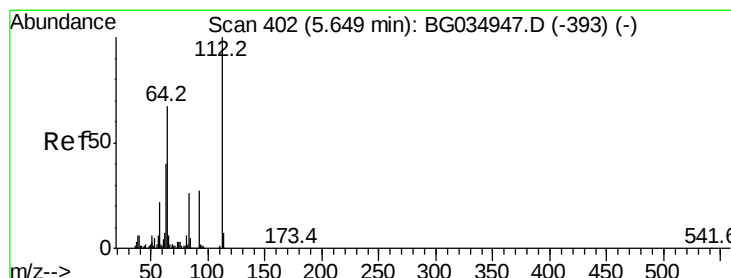
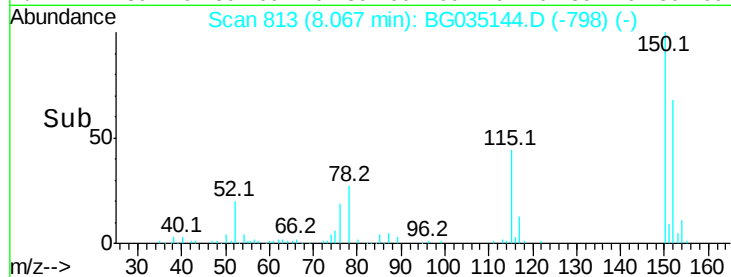
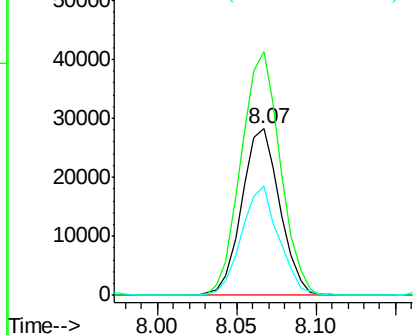
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.07 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.1	126.6	189.8
115	65.7	53.0	79.4



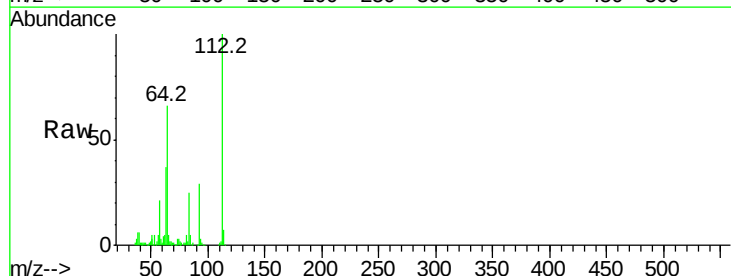
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



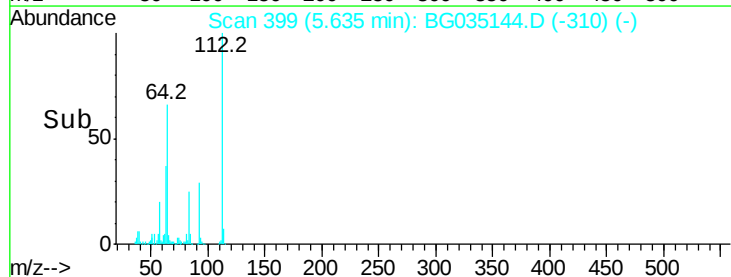
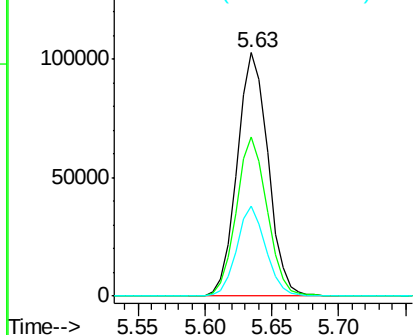
#5

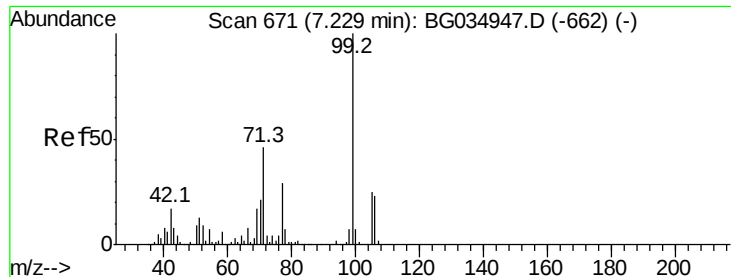
2-Fluorophenol
 Concen: 59.253 ng
 RT: 5.63 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	56.3	84.5
63	36.9	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: 37.151 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampled :

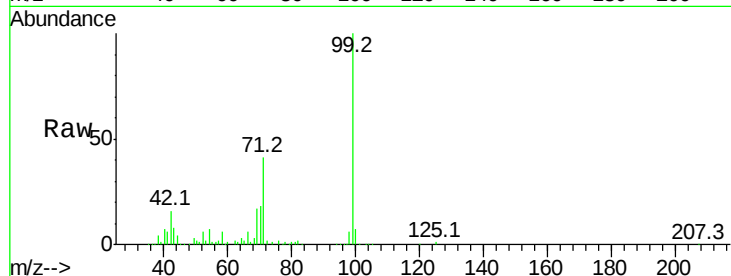
Tot Ion: 99 Resp: 152524

Ion Ratio Lower Upper

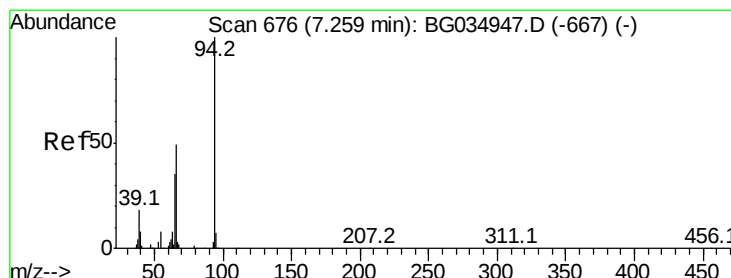
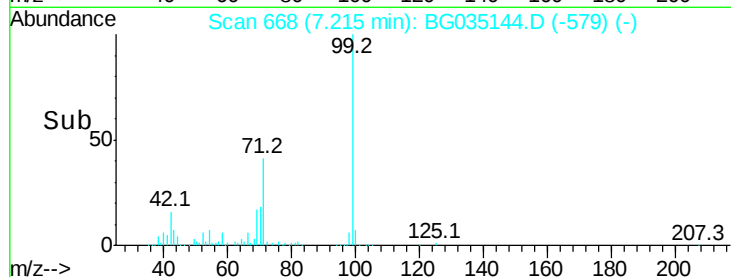
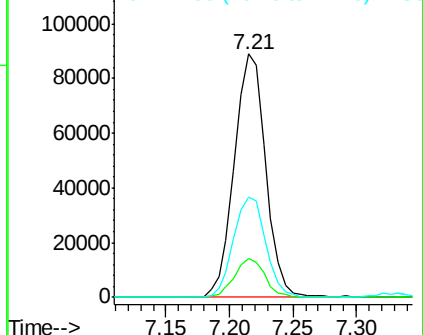
99 100

42 15.9 14.1 21.1

71 41.2 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



#10

Phenol

Concen: 2.439 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.02 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

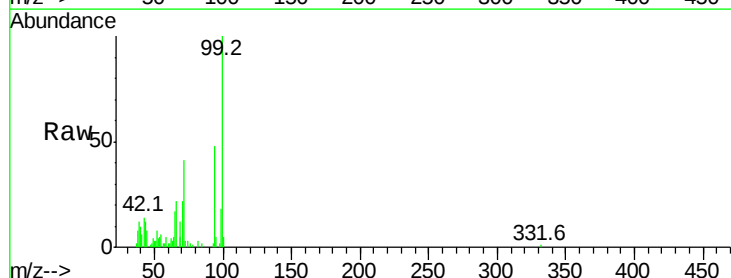
Tgt Ion: 94 Resp: 10364

Ion Ratio Lower Upper

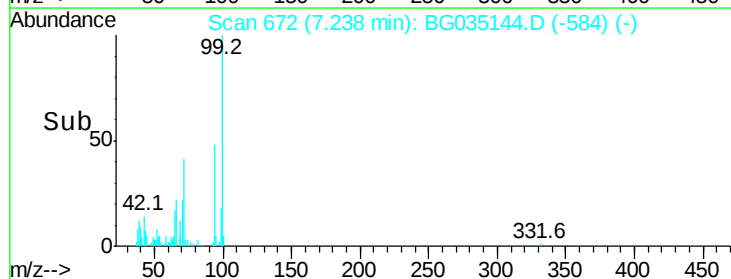
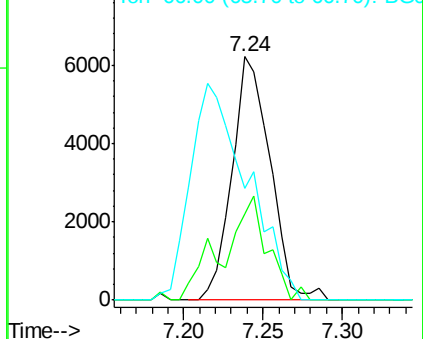
94 100

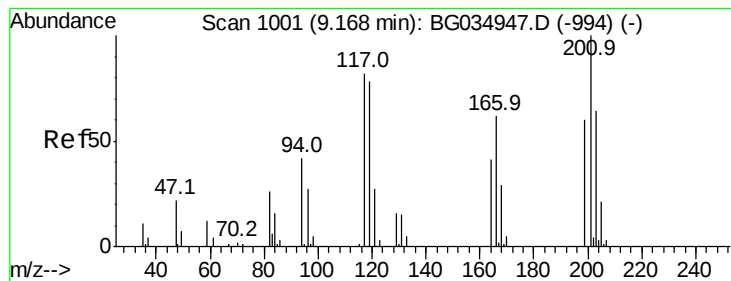
65 35.6 11.9 51.9

66 46.0 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#18

Hexachloroethane

Concen: 18.430 ng

RT: 9.18 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampled :

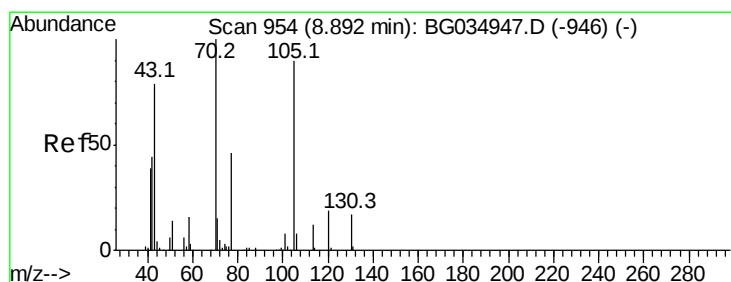
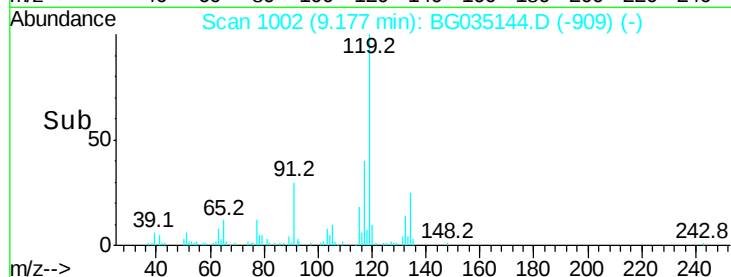
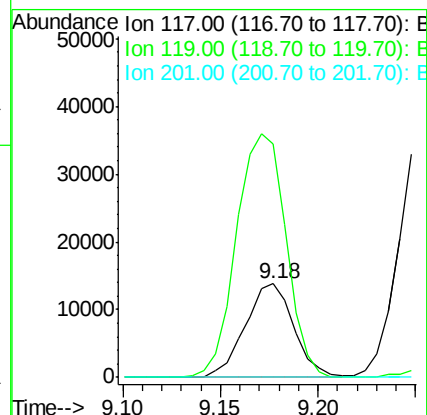
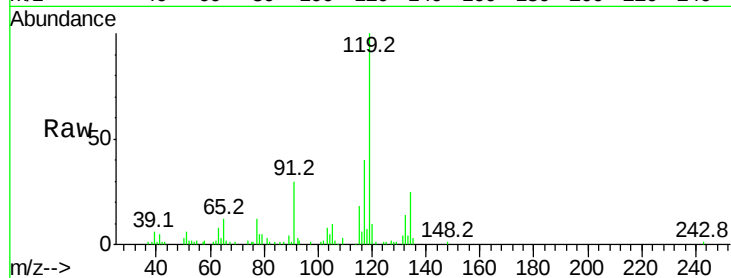
Tot Ion:117 Resp: 23695

Ion Ratio Lower Upper

117 100

119 250.1 76.7 115.1#

201 0.0 95.7 143.5#



#19

n-Nitroso-di-n-propylamine

Concen: 16.625 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Tgt Ion: 70 Resp: 57988

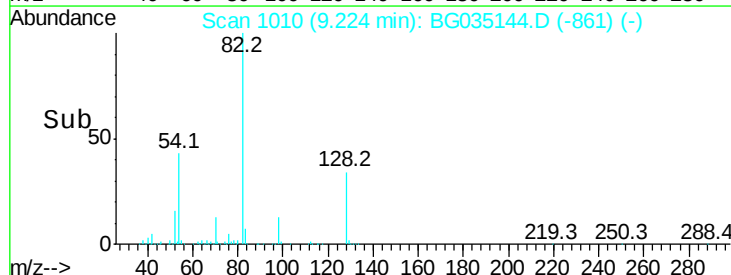
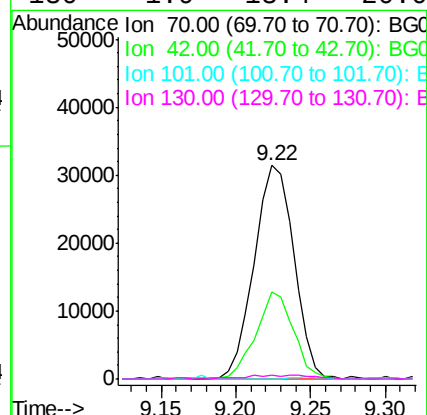
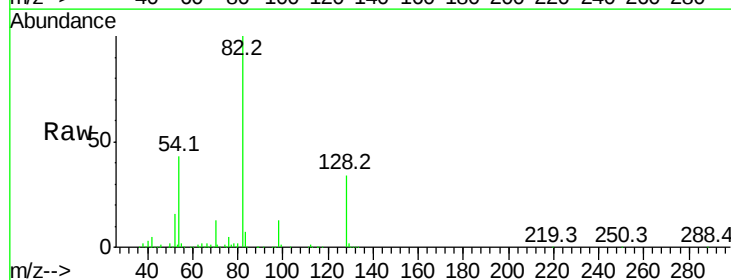
Ion Ratio Lower Upper

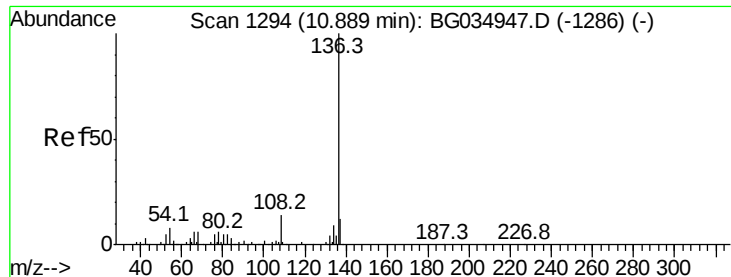
70 100

42 40.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 184579

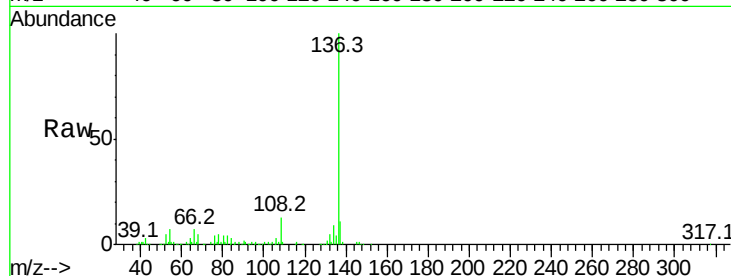
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 7.0 10.3 15.5#

68 5.4 4.5 6.7

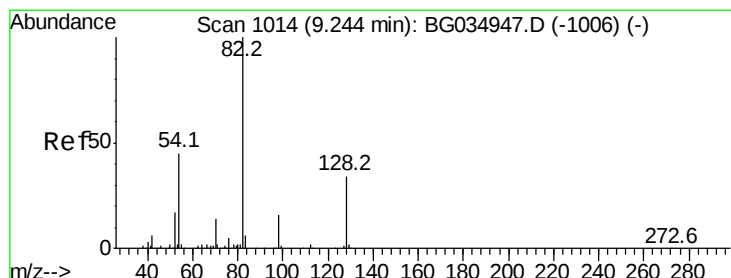
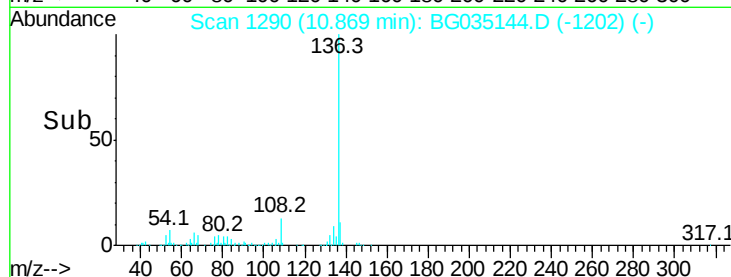
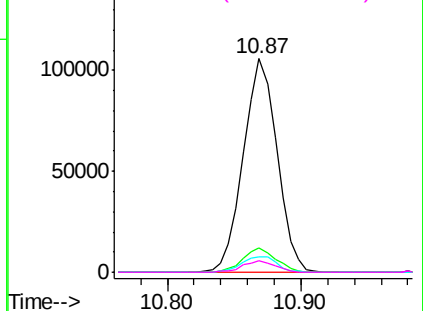


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.346 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

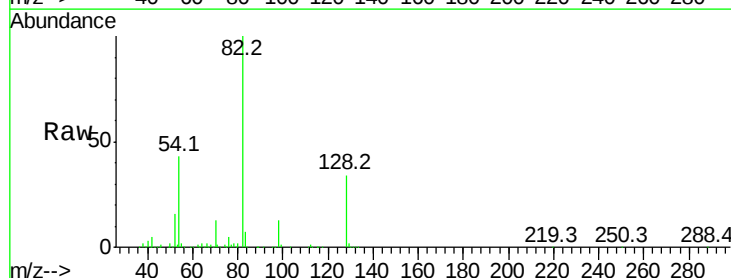
Tgt Ion: 82 Resp: 420714

Ion Ratio Lower Upper

82 100

128 34.5 29.7 44.5

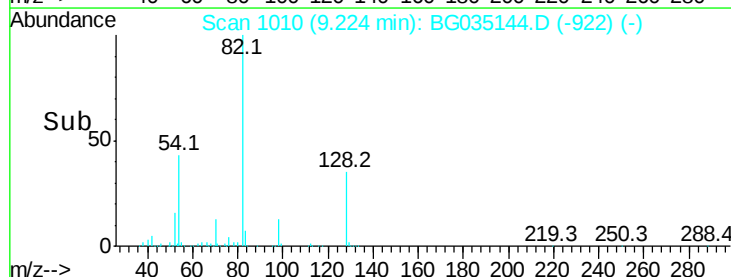
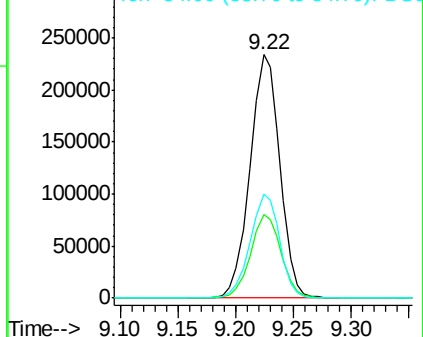
54 42.6 43.1 64.7#

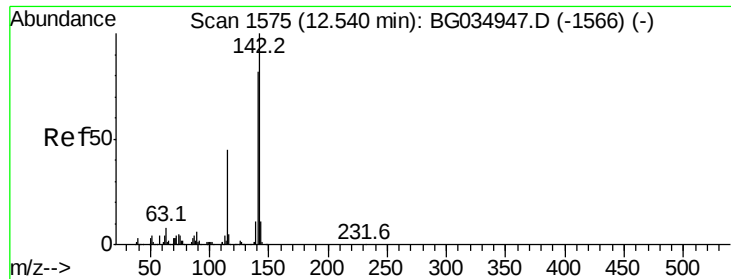


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#37

2-Methylnaphthalene

Concen: 10.763 ng

RT: 12.52 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampleId :

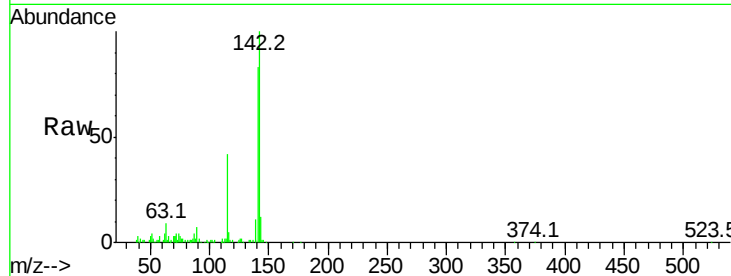
Tot Ion:142 Resp: 78242

Ion Ratio Lower Upper

142 100

141 83.5 67.1 100.7

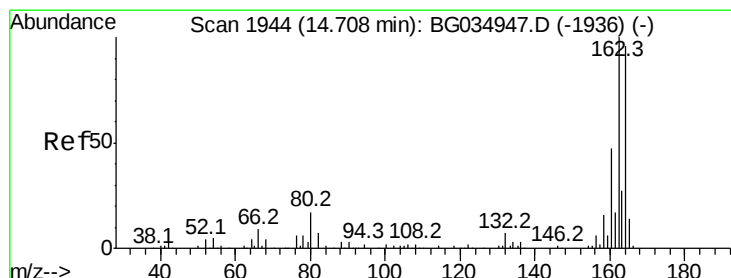
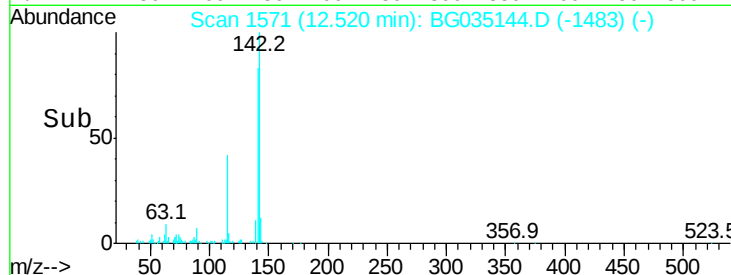
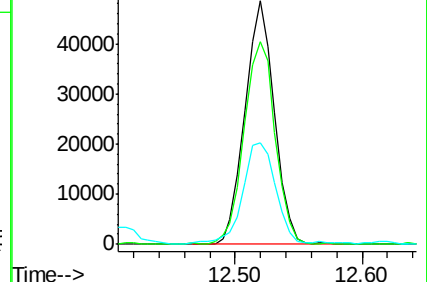
115 41.8 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

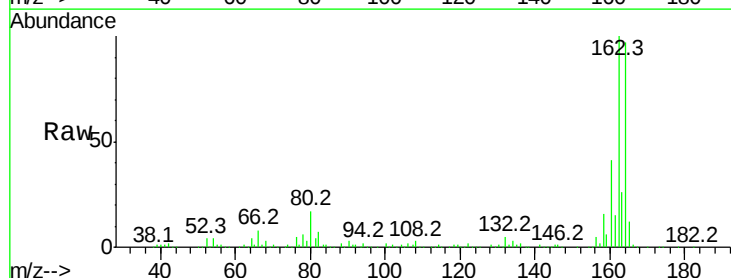
Tgt Ion:164 Resp: 140652

Ion Ratio Lower Upper

164 100

162 102.9 78.8 118.2

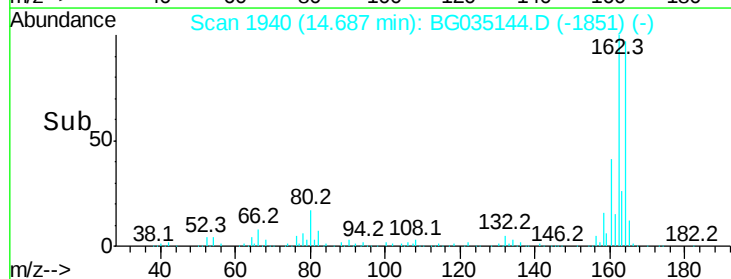
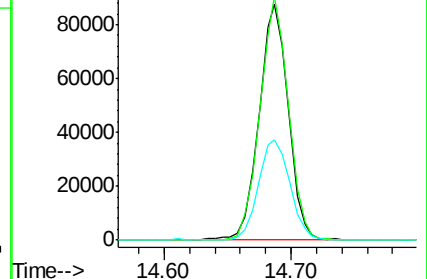
160 42.3 35.4 53.0

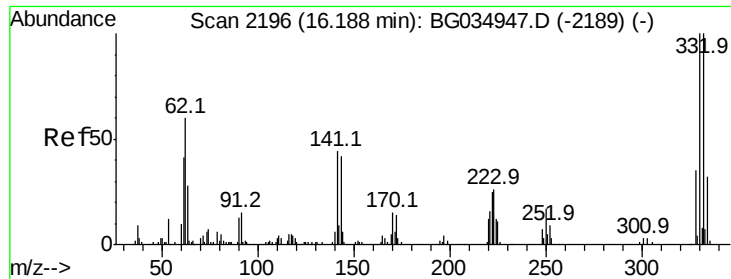


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

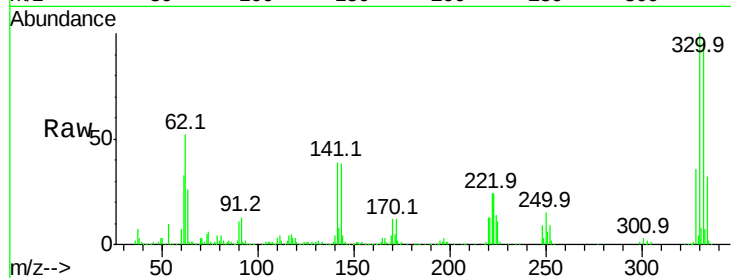




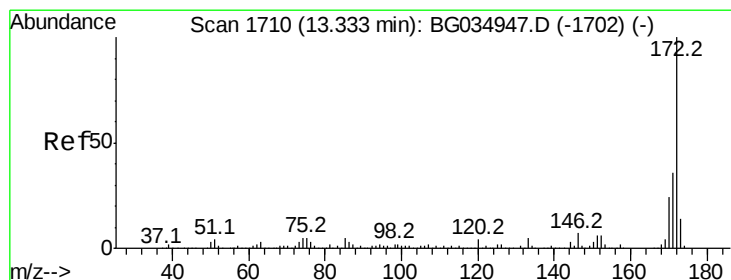
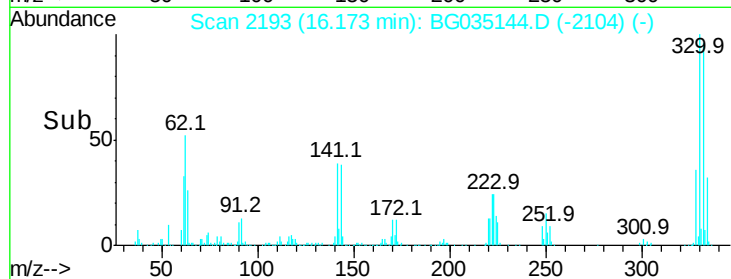
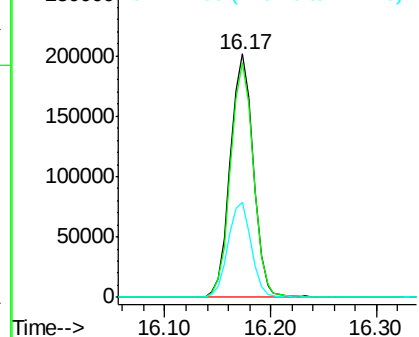
#41
 2,4,6-Tribromophenol
 Concen: 168.812 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	39.6	25.2	37.8#

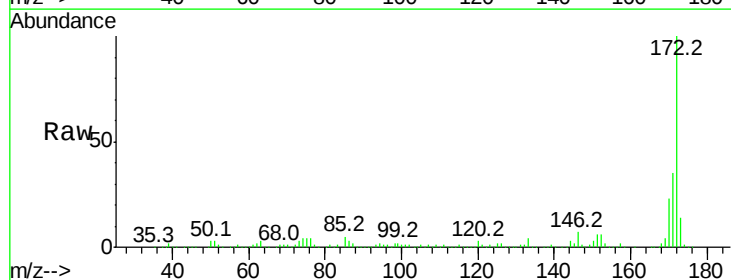


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

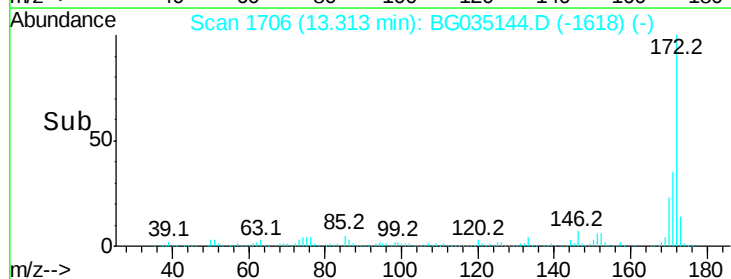
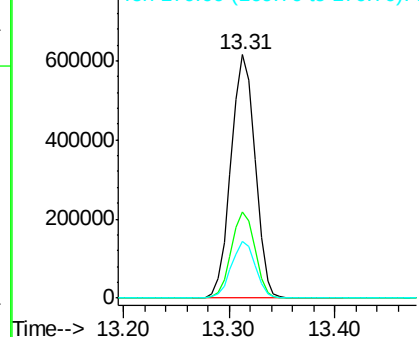


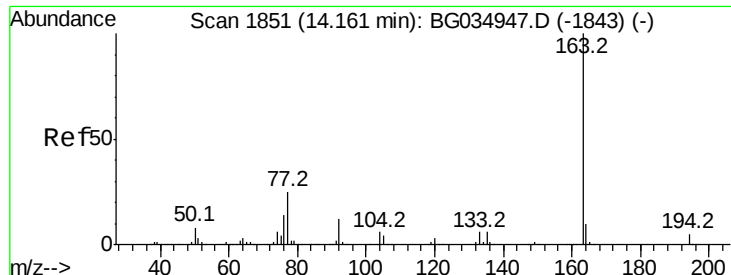
#44
 2-Fluorobiphenyl
 Concen: 89.655 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.0	45.0
170	23.2	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: 2.388 ng

RT: 14.14 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampleId :

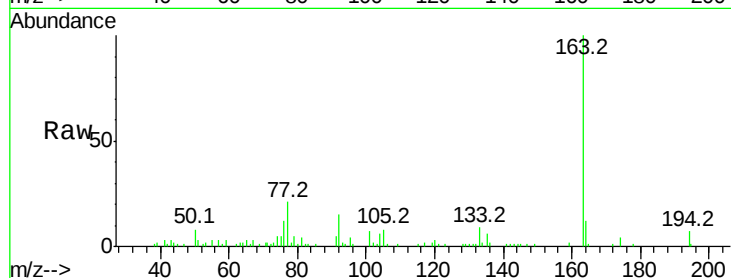
Tot Ion:163 Resp: 29293

Ion Ratio Lower Upper

163 100

194 7.4 3.4 5.2#

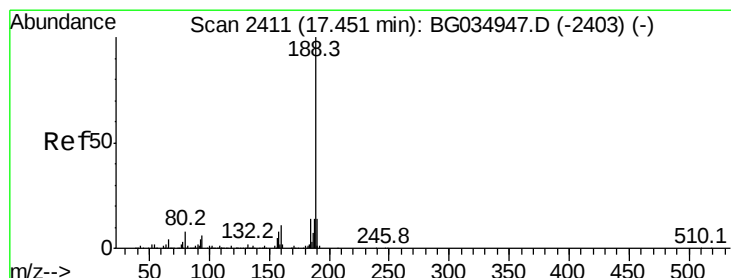
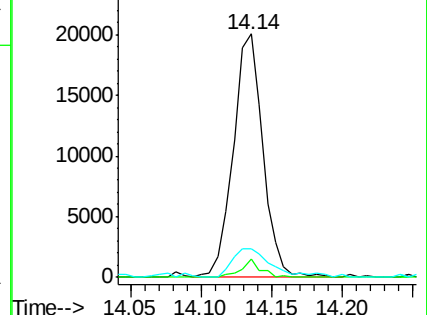
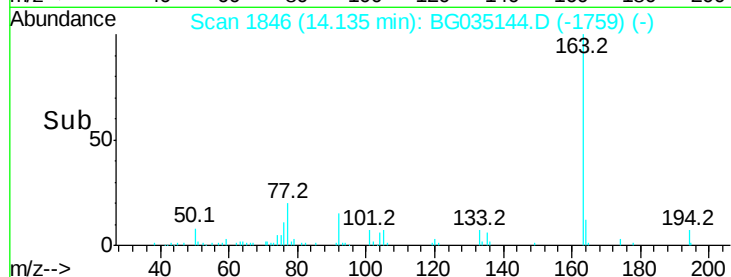
164 11.7 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

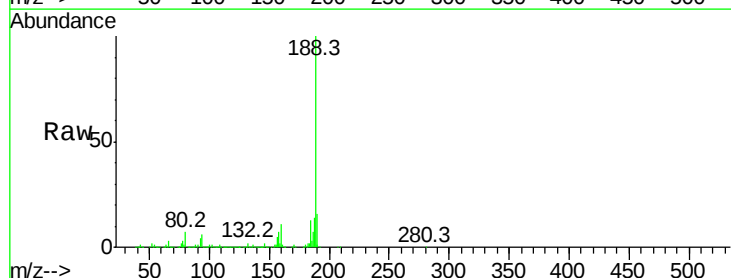
Tgt Ion:188 Resp: 354849

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

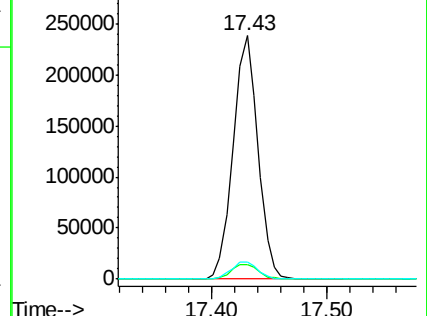
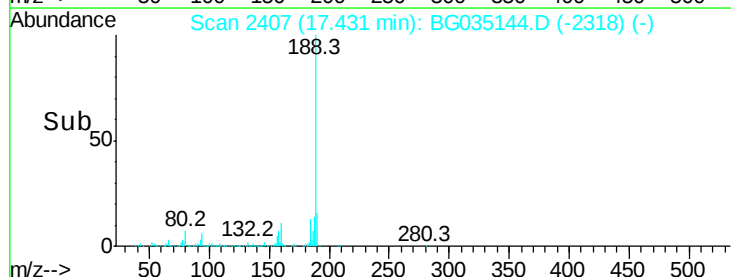
80 7.2 7.7 11.5#

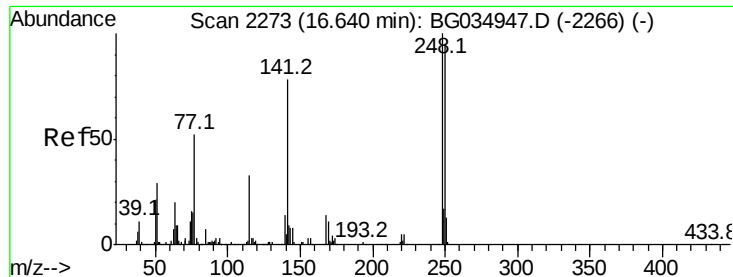


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

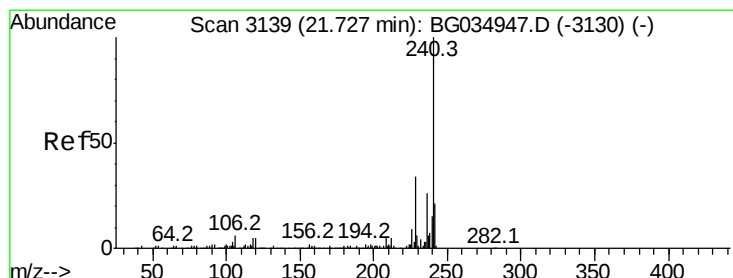
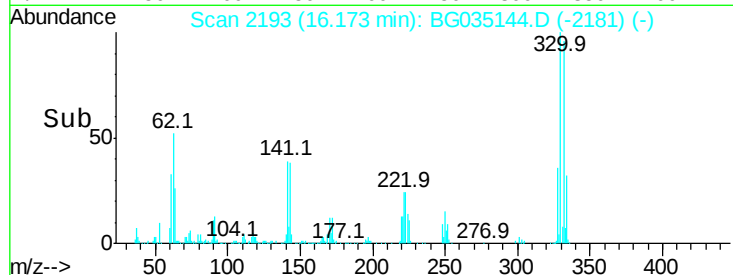
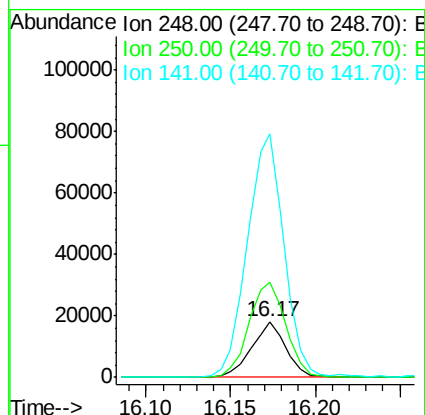
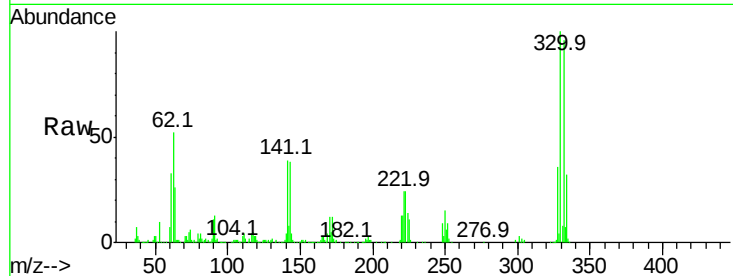




#66
 4-Bromophenyl-phenylether
 Concen: 5.925 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.46 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

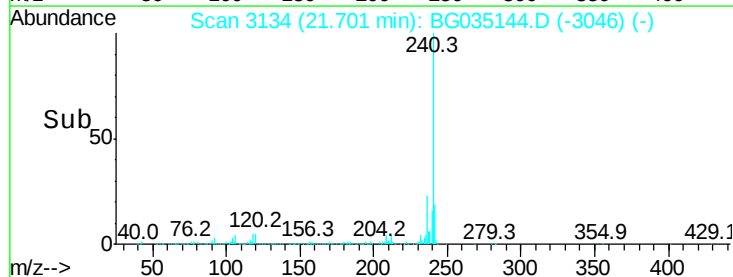
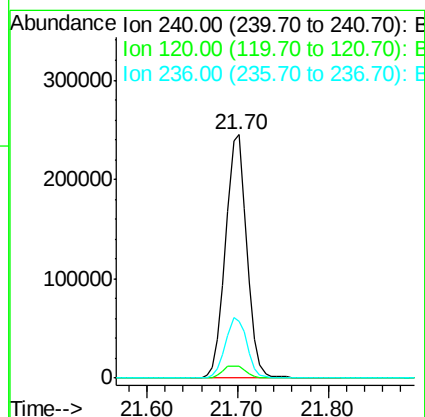
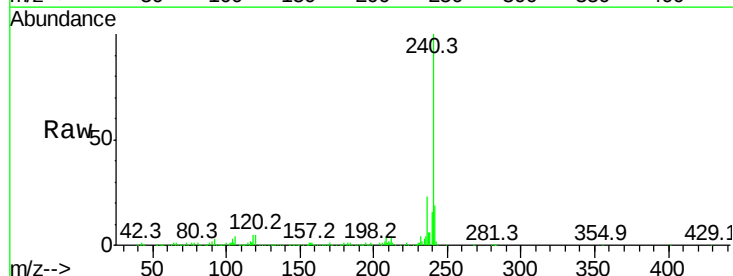
Instrument :
 BNA_G
 ClientSampleId :

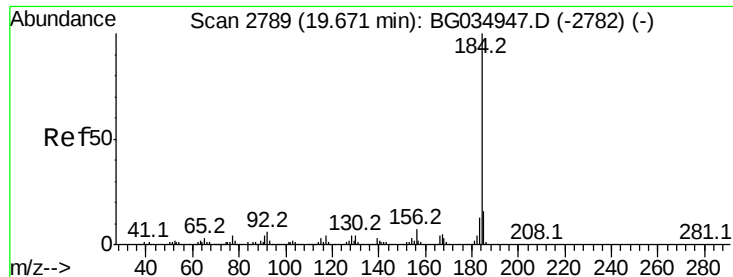
Tot Ion:248 Resp: 25320
 Ion Ratio Lower Upper
 248 100
 250 169.1 77.1 115.7#
 141 435.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.70 min Scan# 3134
 Delta R.T. -0.02 min
 Lab File: BG035144.D
 Acq: 14 Jun 2018 19:11

Tgt Ion:240 Resp: 400131
 Ion Ratio Lower Upper
 240 100
 120 5.0 6.8 10.2#
 236 23.2 20.9 31.3





#76

Benzidine

Concen: 2.144 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

Instrument :

BNA_G

ClientSampleId :

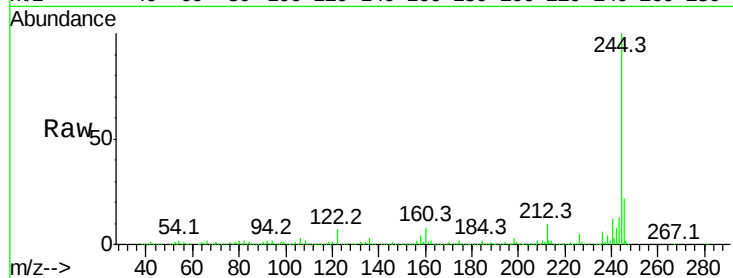
Tot Ion:184 Resp: 31913

Ion Ratio Lower Upper

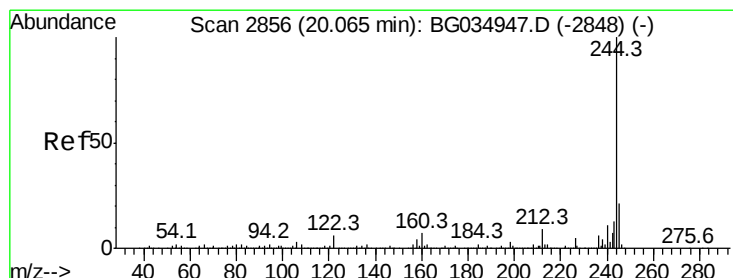
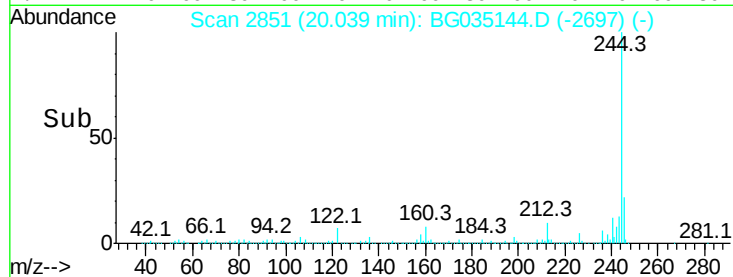
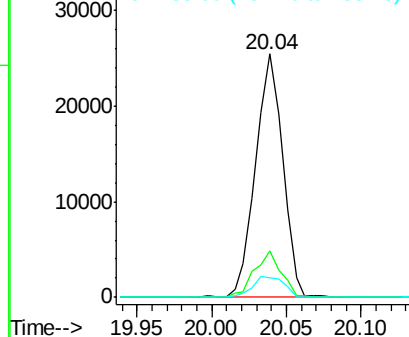
184 100

185 19.1 11.1 16.7#

183 8.2 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: 91.595 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035144.D

Acq: 14 Jun 2018 19:11

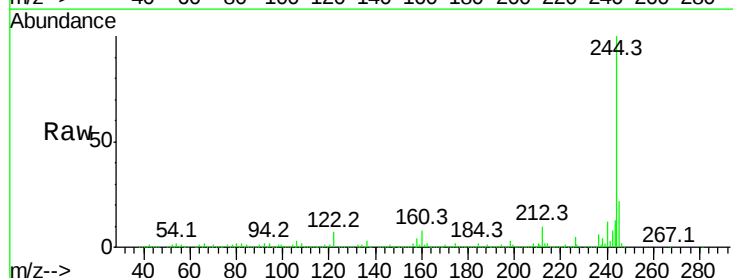
Tgt Ion:244 Resp: 1749684

Ion Ratio Lower Upper

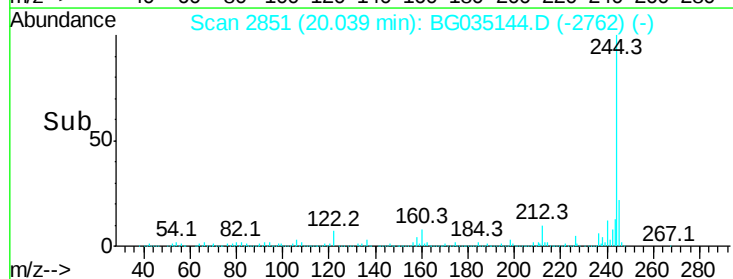
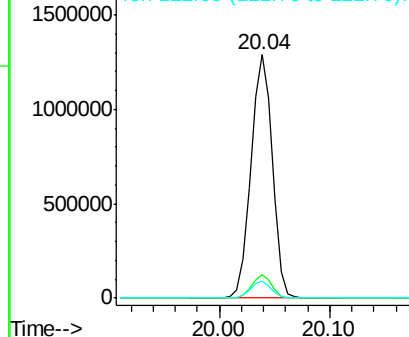
244 100

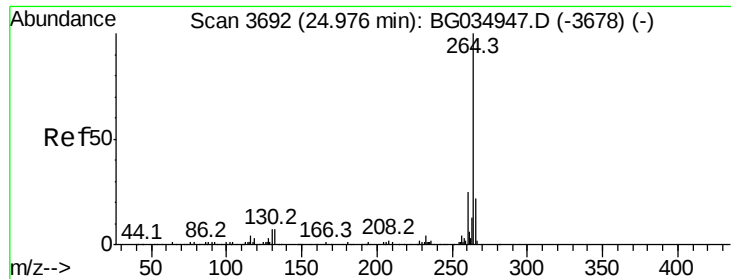
212 9.8 5.8 8.8#

122 6.9 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

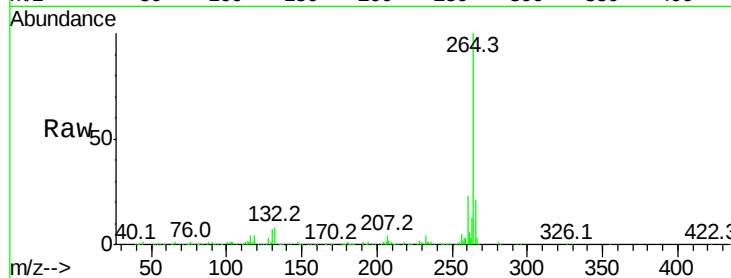




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3684
Delta R.T. -0.02 min
Lab File: BG035144.D
Acq: 14 Jun 2018 19:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.0
265	20.6	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

