

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061418\
 Data File : BG035147.D
 Acq On : 14 Jun 2018 21:07
 Operator : SJ/JU
 Sample : J3467-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 15 02:04:43 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

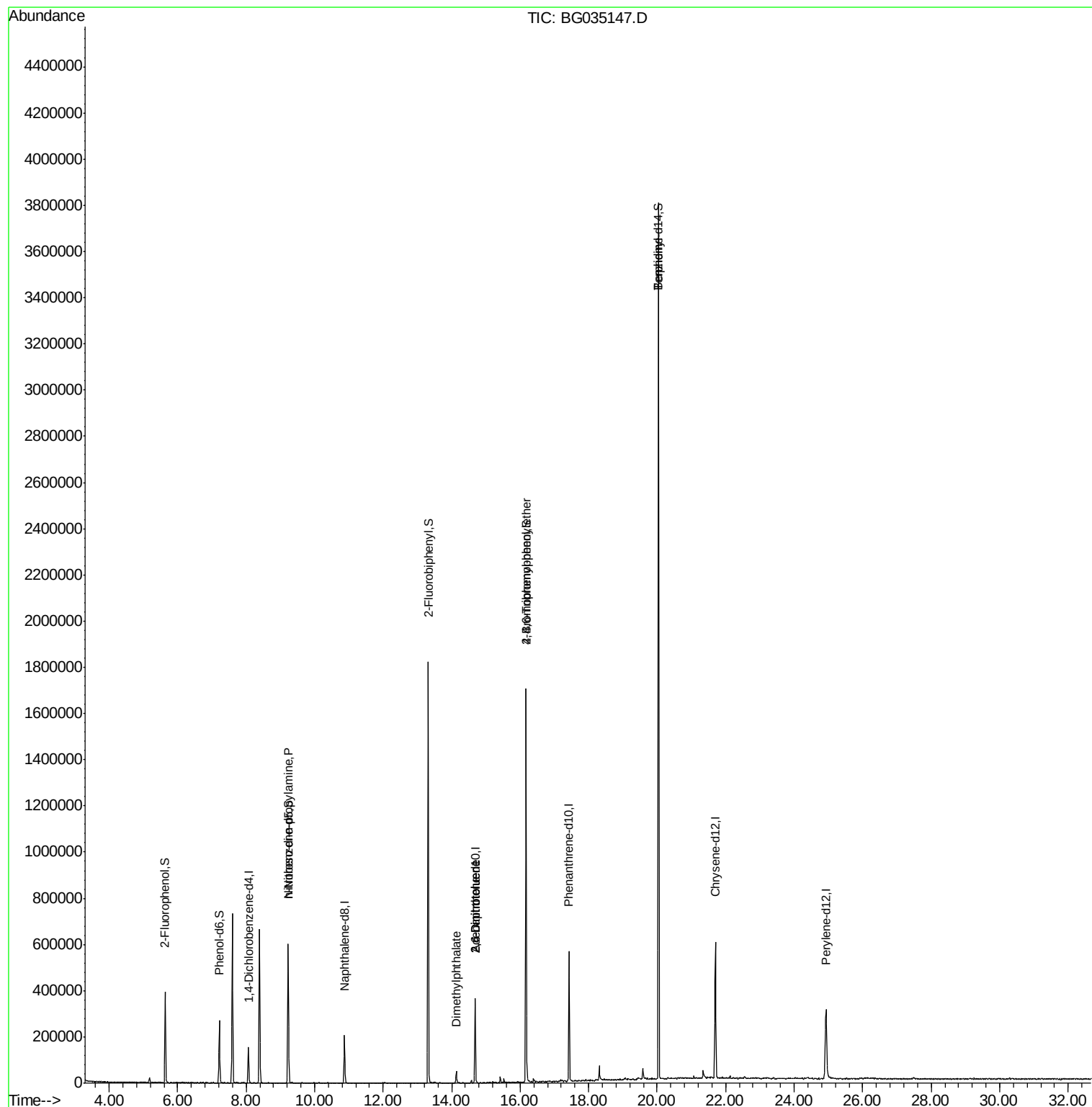
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	42579	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	176182	20.00	ng	-0.02
38) Acenaphthene-d10	14.69	164	131909	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	355832	20.00	ng	-0.01
75) Chrysene-d12	21.70	240	384729	20.00	ng	-0.02
86) Perylene-d12	24.93	264	366090	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	166390	65.95	ng	-0.01
7) Phenol-d6	7.21	99	160604	43.13	ng	-0.01
23) Nitrobenzene-d5	9.22	82	403996	109.00	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	308704	182.82	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	985607	97.13	ng	-0.02
78) Terphenyl-d14	20.04	244	1770013	96.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	55903	17.670	ng	# 69
49) Dimethylphthalate	14.13	163	33981	2.954	ng	# 99
50) 2,6-Dinitrotoluene	14.69	165	18346	8.742	ng	# 18
56) 2,4-Dinitrotoluene	14.69	165	18346	6.581	ng	# 16
66) 4-Bromophenyl-phenylether	16.17	248	25490	5.949	ng	# 1
76) Benzidine	20.04	184	32644	2.281	ng	# 93

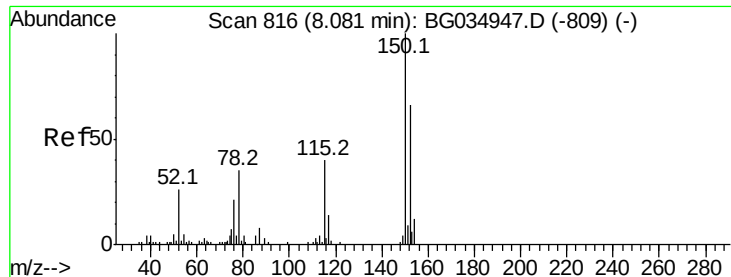
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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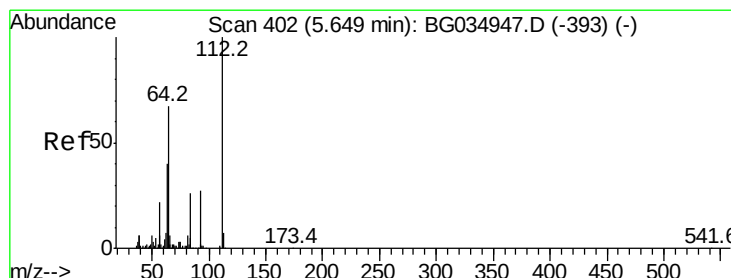
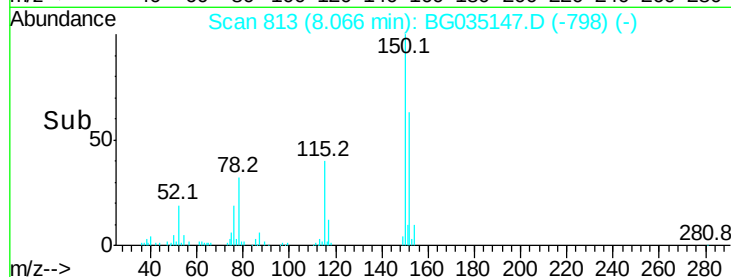
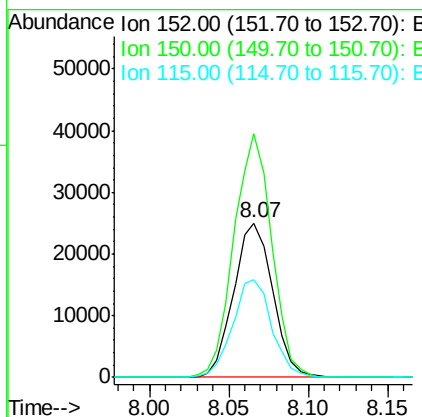
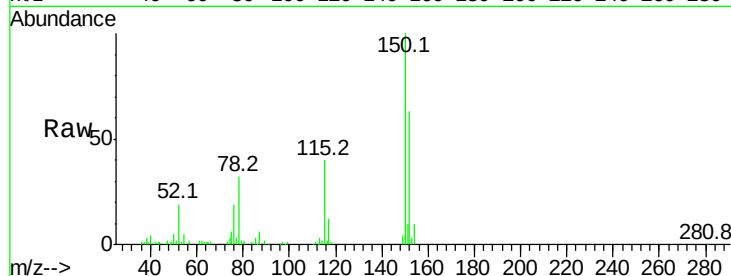


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035147.D
Acq: 14 Jun 2018 21:07

Instrument :
BNA_G
ClientSampleId :

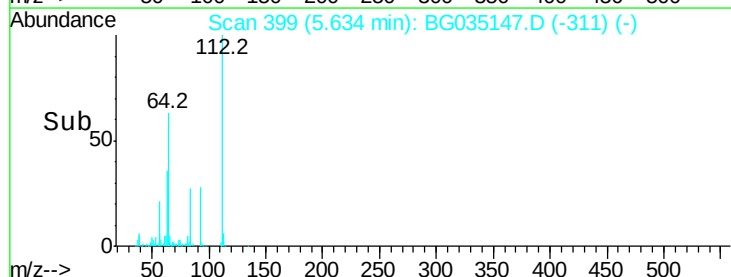
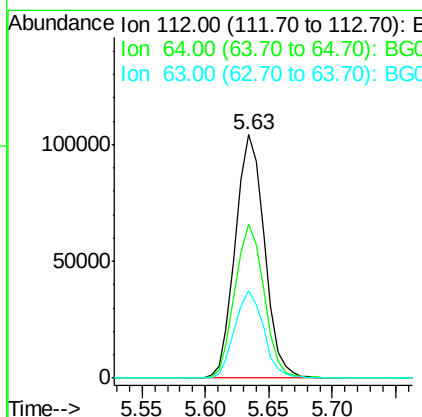
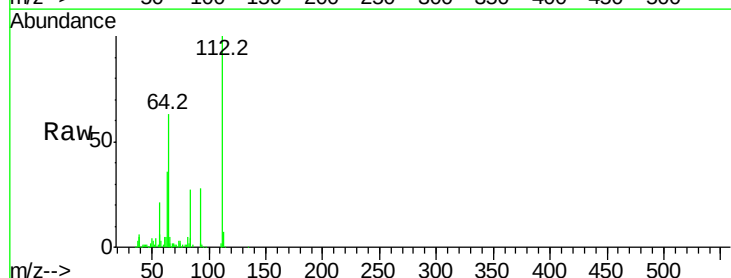
Tot Ion:152 Resp: 42579
Ion Ratio Lower Upper
152 100
150 157.8 126.6 189.8
115 63.3 53.0 79.4

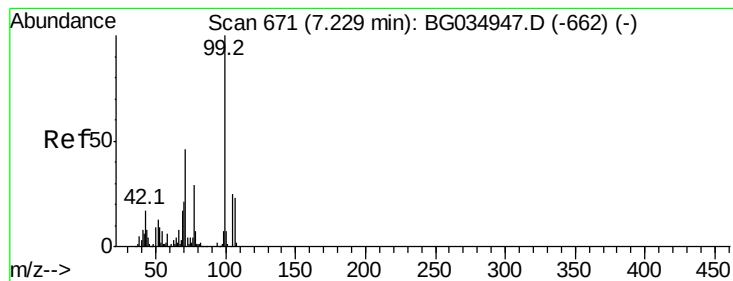


#5

2-Fluorophenol
Concen: 65.948 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035147.D
Acq: 14 Jun 2018 21:07

Tgt Ion:112 Resp: 166390
Ion Ratio Lower Upper
112 100
64 63.4 56.3 84.5
63 36.0 30.1 45.1





#7

Phenol-d6

Concen: 43.128 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Instrument :

BNA_G

ClientSampleId :

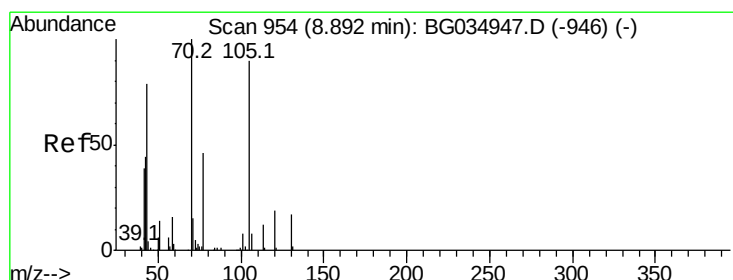
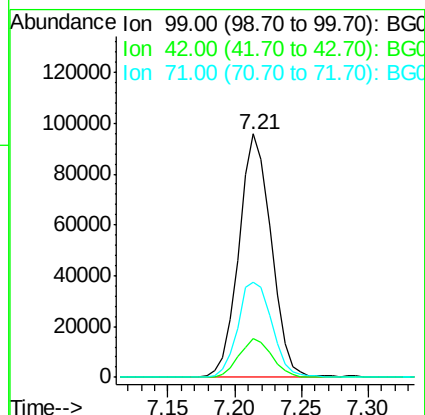
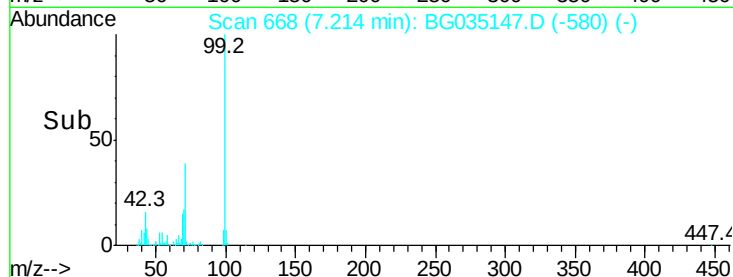
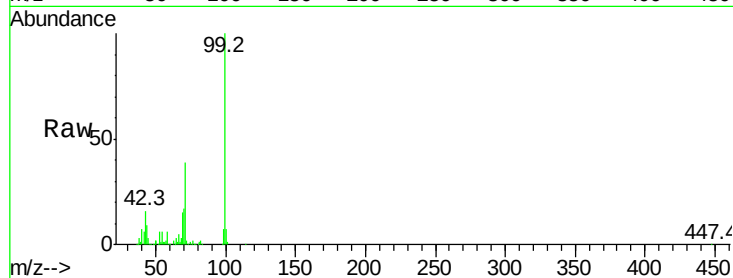
Tot Ion: 99 Resp: 160604

Ion Ratio Lower Upper

99 100

42 16.1 14.1 21.1

71 39.1 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 17.670 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Tgt Ion: 70 Resp: 55903

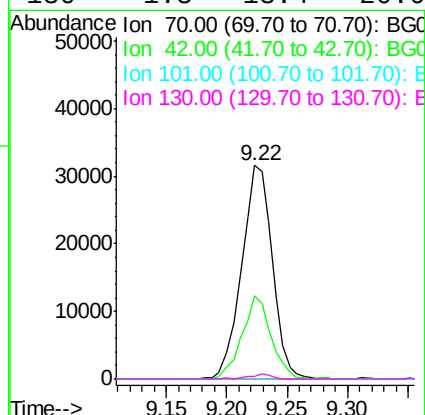
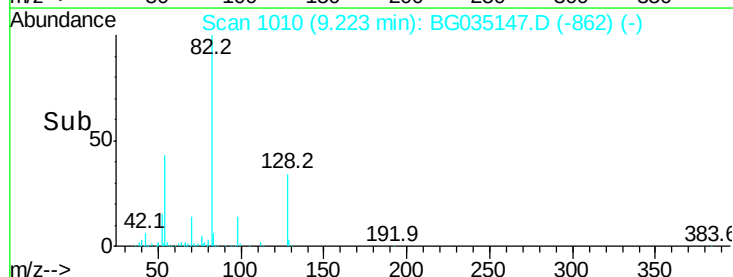
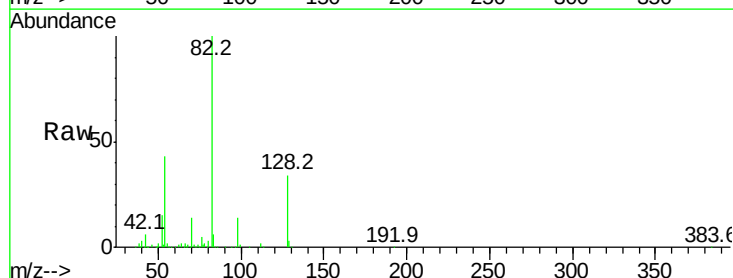
Ion Ratio Lower Upper

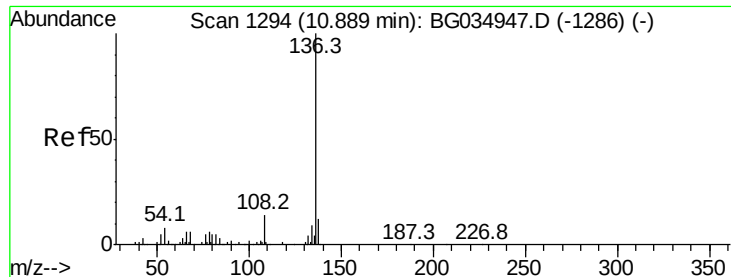
70 100

42 38.7 49.1 73.7#

101 0.0 8.5 12.7#

130 1.3 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: BG035147.D

Acq: 14 Jun 2018 21:07

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 176182

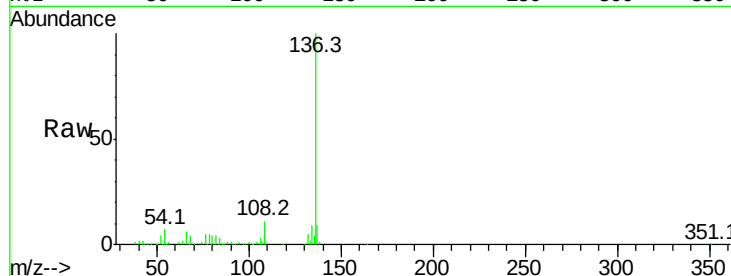
Ion	Ratio	Lower	Upper
136	100		
137	8.8	9.2	13.8#
54	7.4	10.3	15.5#
68	4.4	4.5	6.7#

136 100

137 8.8 9.2 13.8#

54 7.4 10.3 15.5#

68 4.4 4.5 6.7#

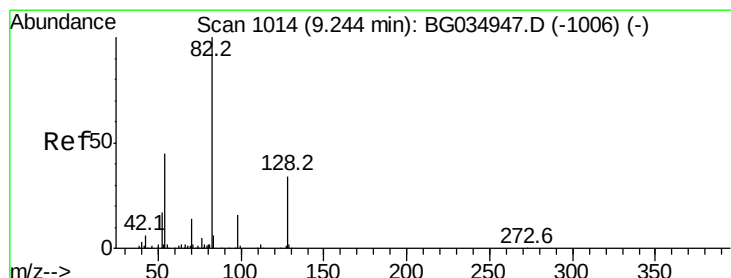
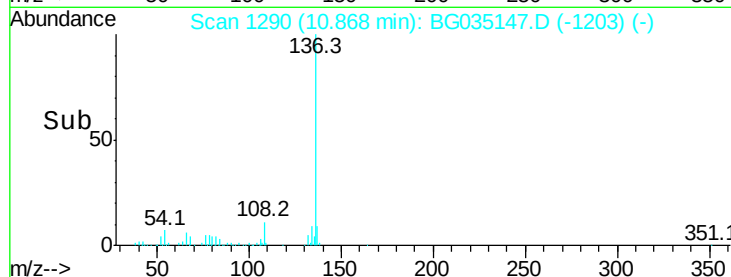
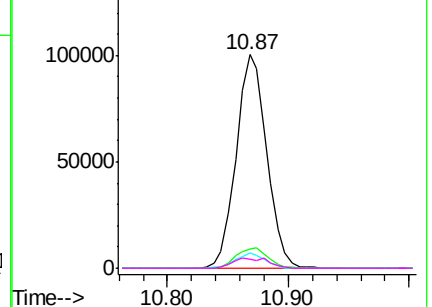


Abundance Ion 136.00 (135.70 to 136.70): E

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: 108.999 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

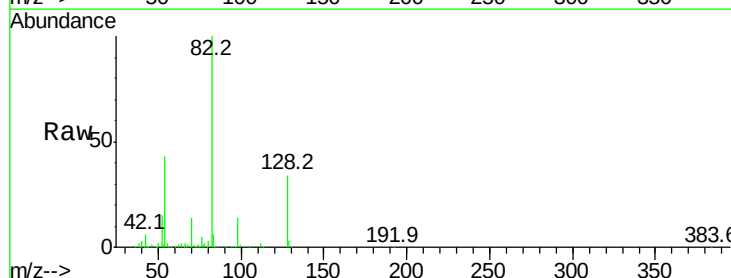
Tgt Ion: 82 Resp: 403996

Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	42.9	43.1	64.7#

82 100

128 34.4 29.7 44.5

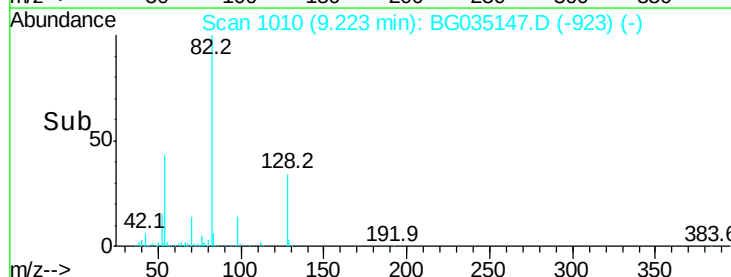
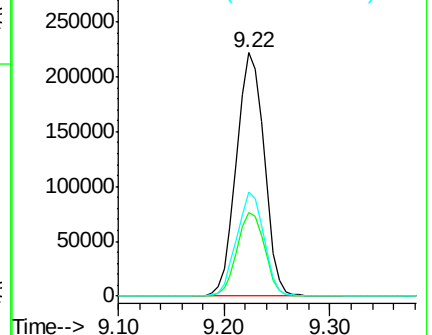
54 42.9 43.1 64.7#

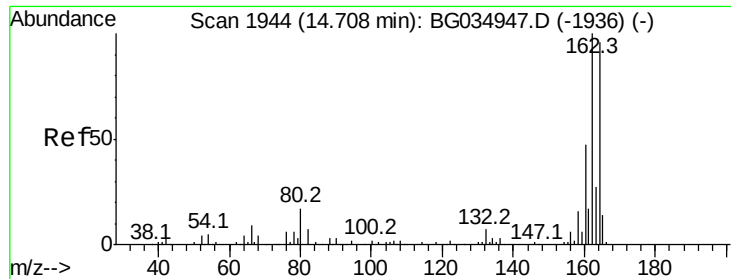


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.69 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

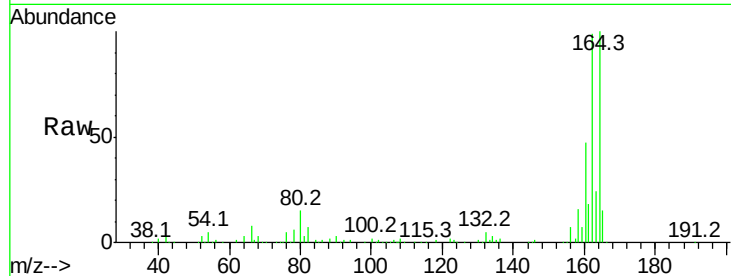
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 131909

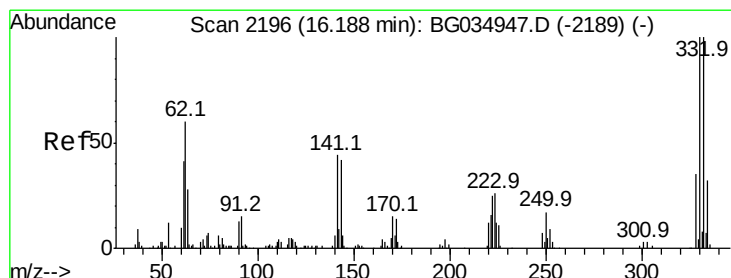
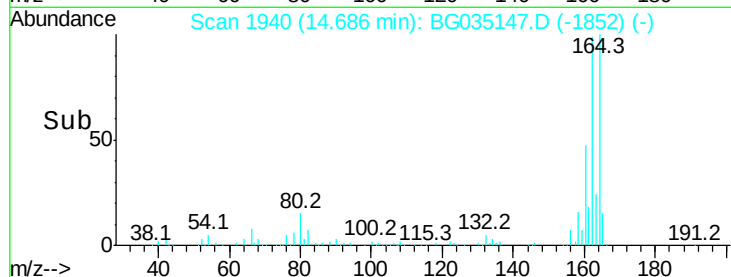
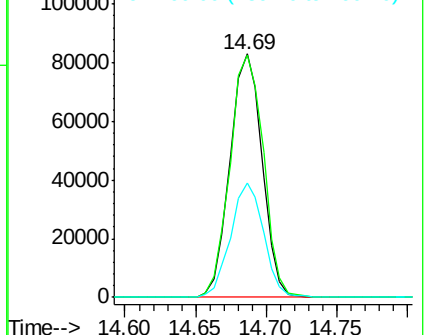
Ion	Ratio	Lower	Upper
164	100		
162	99.5	78.8	118.2
160	46.9	35.4	53.0



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: 182.816 ng

RT: 16.17 min Scan# 2193

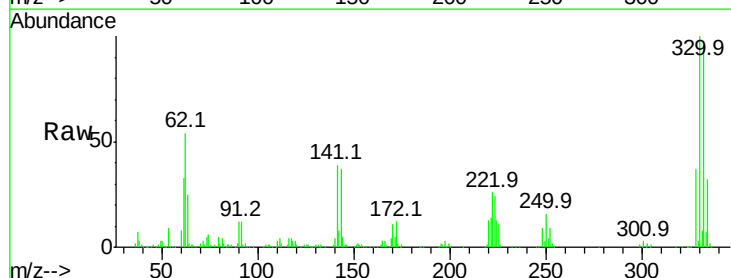
Delta R.T. -0.01 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Tgt Ion:330 Resp: 308704

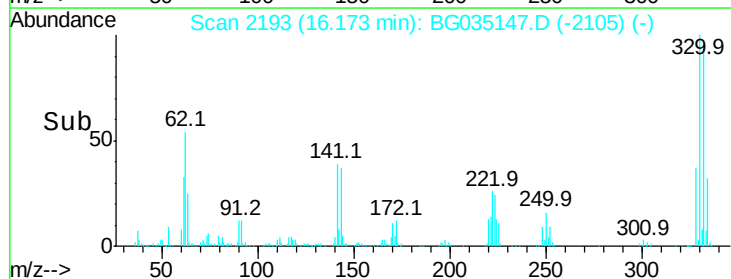
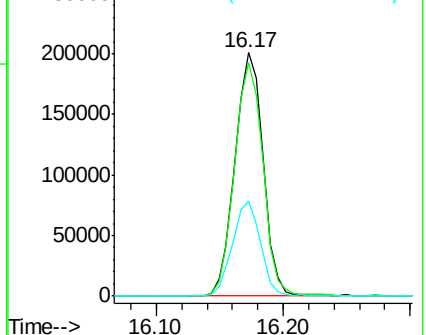
Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	38.6	25.2	37.8

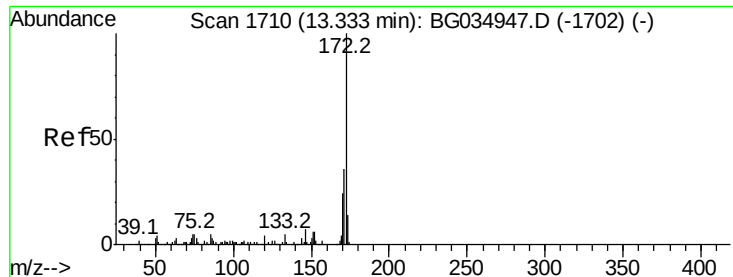


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

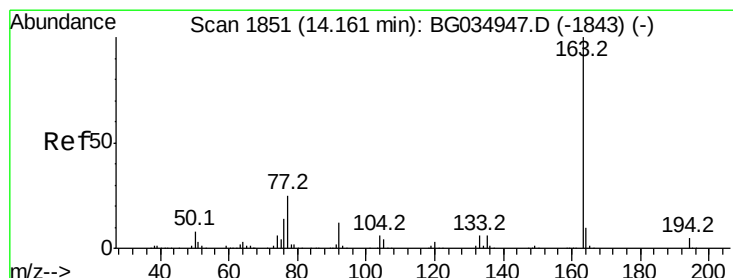
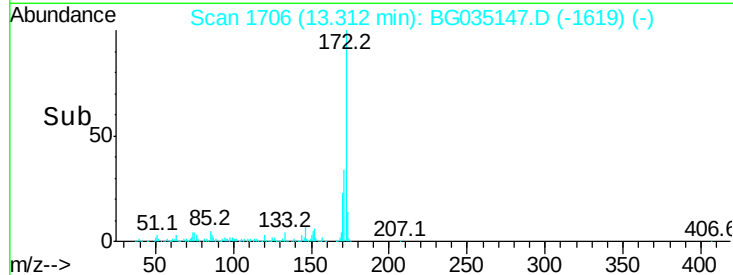
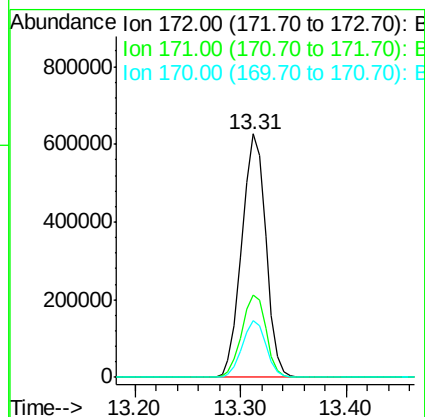
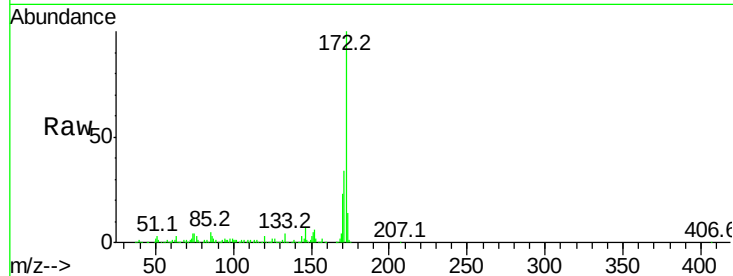




#44
2-Fluorobiphenyl
Concen: 97.134 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035147.D
Acq: 14 Jun 2018 21:07

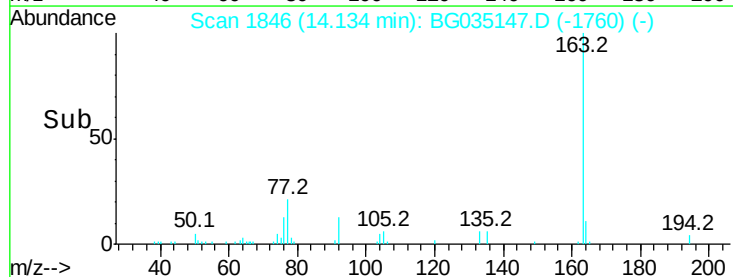
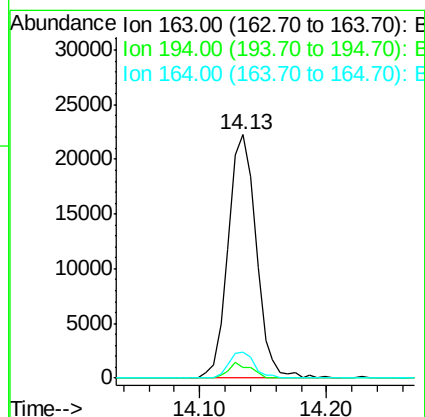
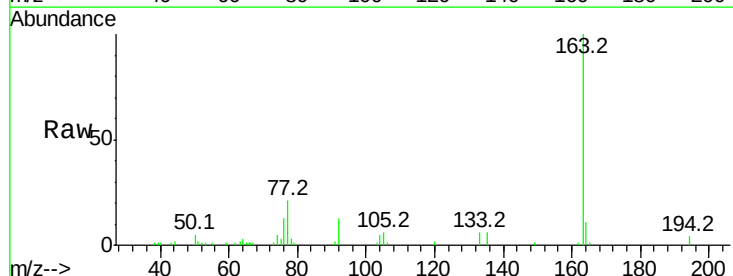
Instrument :
BNA_G
ClientSampleId :

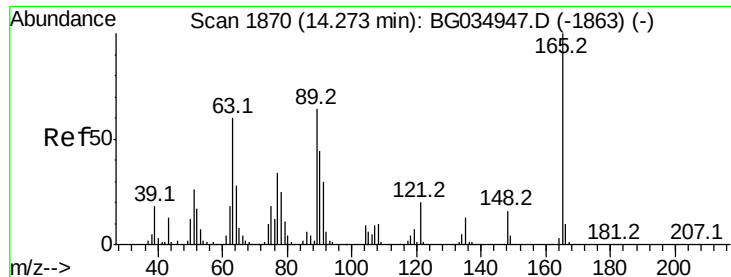
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.0	45.0
170	23.2	19.5	29.3



#49
Dimethylphthalate
Concen: 2.954 ng
RT: 14.13 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BG035147.D
Acq: 14 Jun 2018 21:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.5	8.2	12.4

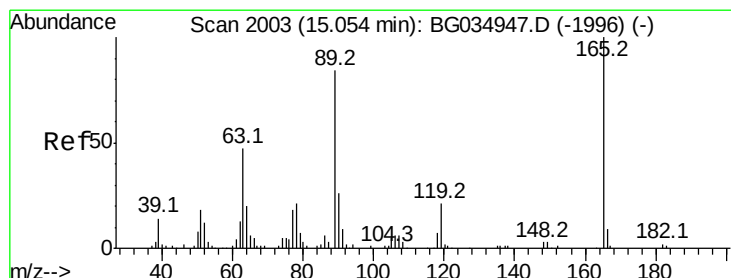
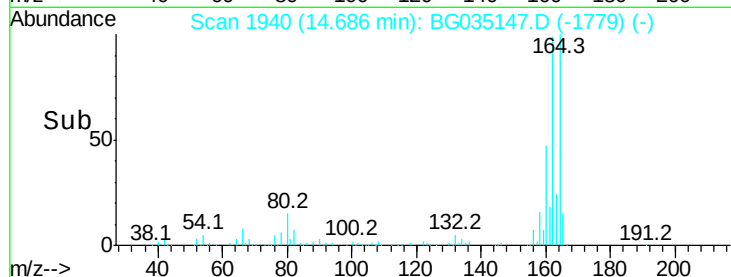
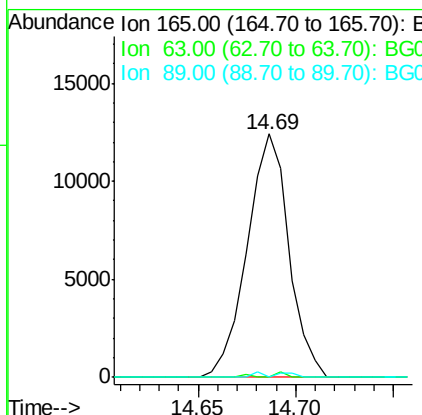
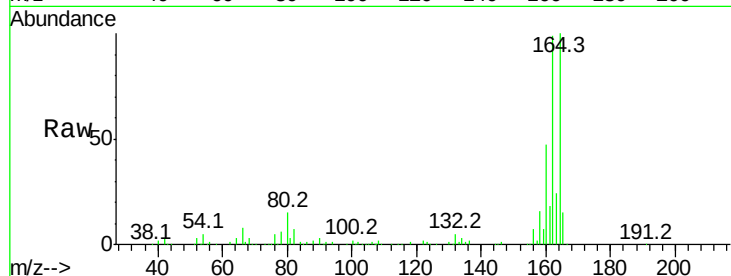




#50
 2,6-Dinitrotoluene
 Concen: 8.742 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG035147.D
 Acq: 14 Jun 2018 21:07

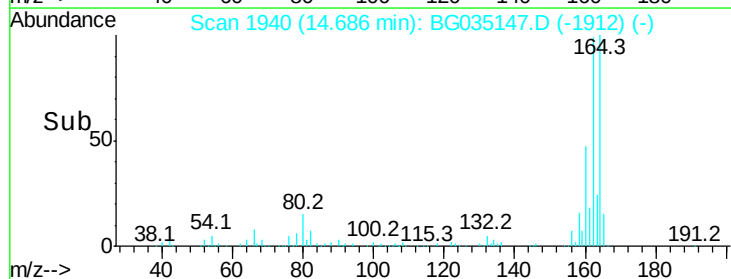
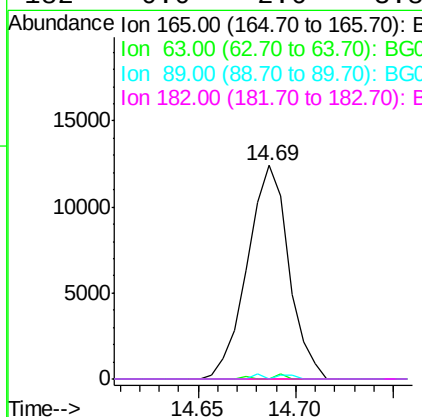
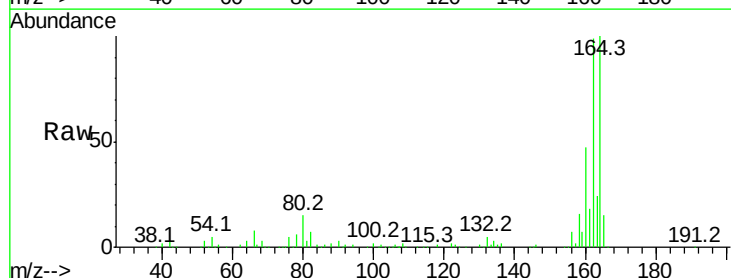
Instrument :
 BNA_G
 ClientSampleId :

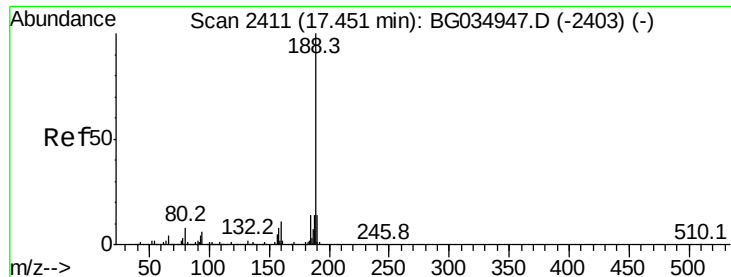
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.581 ng
 RT: 14.69 min Scan# 1940
 Delta R.T. -0.36 min
 Lab File: BG035147.D
 Acq: 14 Jun 2018 21:07

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Instrument :

BNA_G

ClientSampleId :

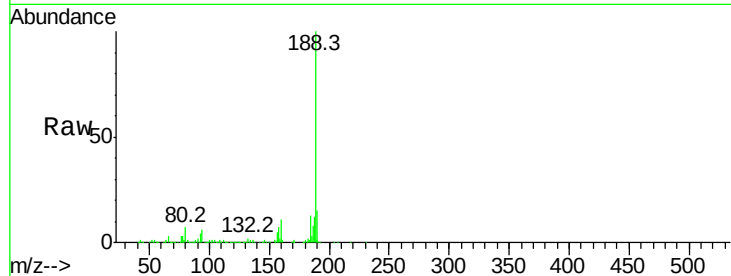
Tot Ion:188 Resp: 355832

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

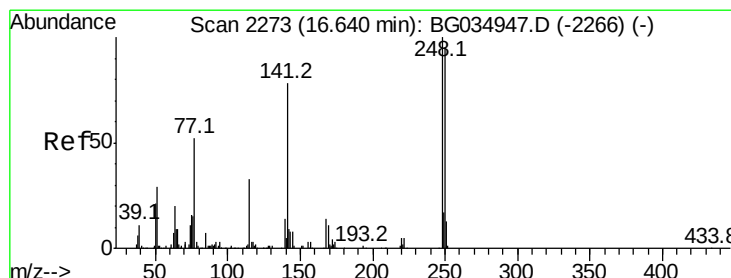
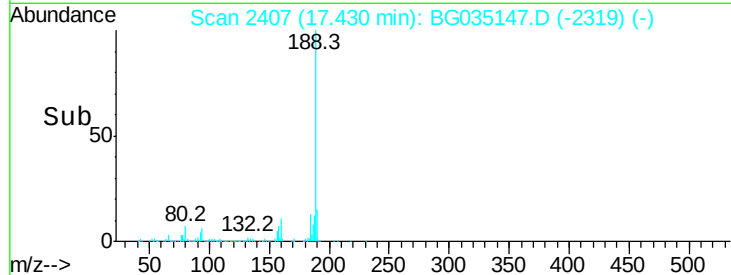
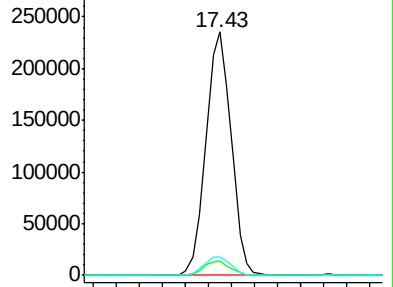
80 7.4 7.7 11.5#



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: 5.949 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

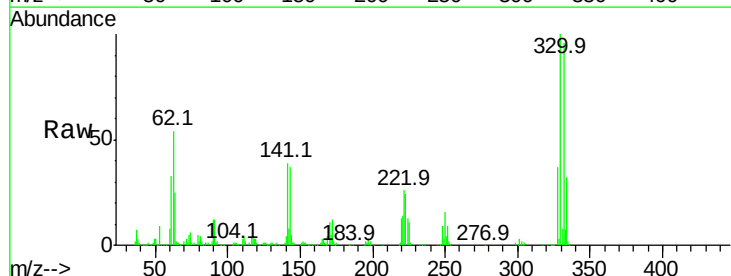
Tgt Ion:248 Resp: 25490

Ion Ratio Lower Upper

248 100

250 181.0 77.1 115.7#

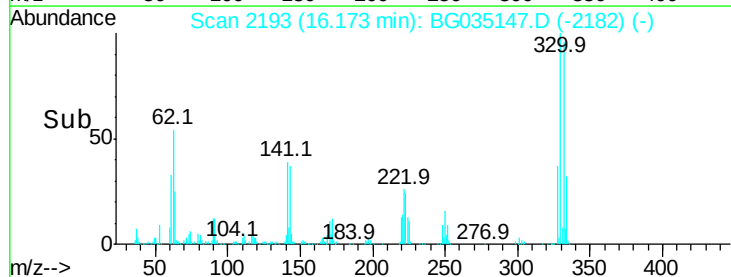
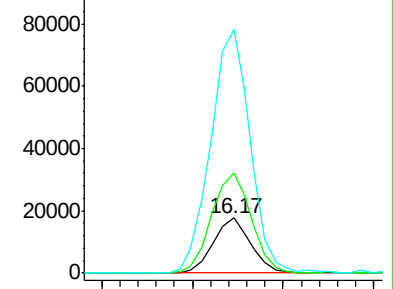
141 439.6 50.8 76.2#

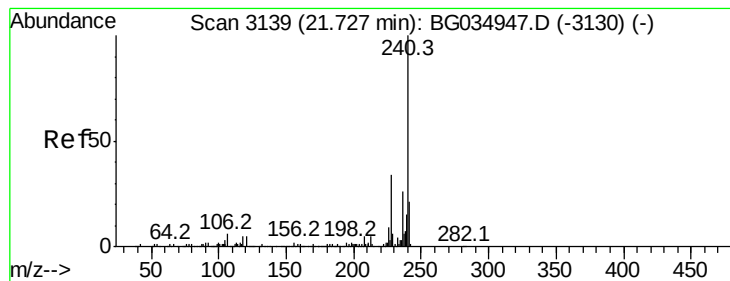


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Instrument :

BNA_G

ClientSampleId :

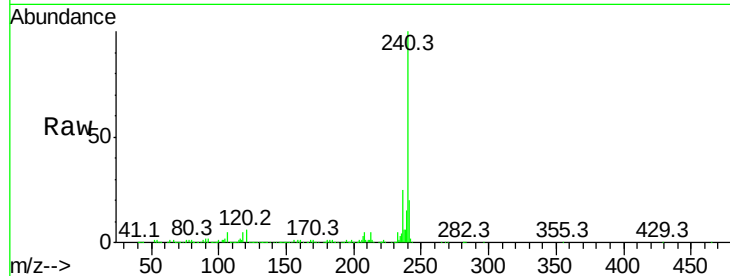
Tot Ion:240 Resp: 384729

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

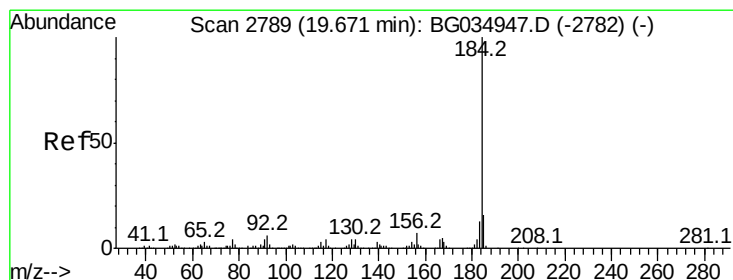
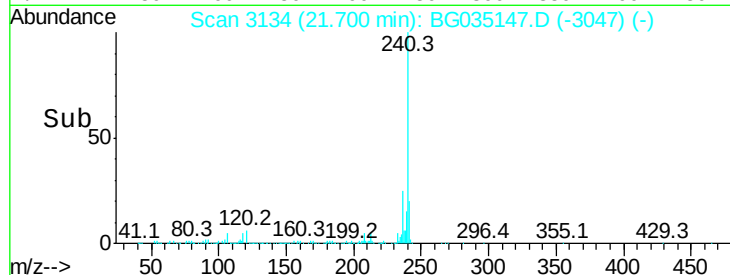
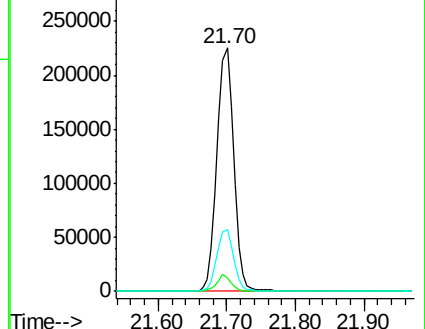
236 25.2 20.9 31.3



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: 2.281 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

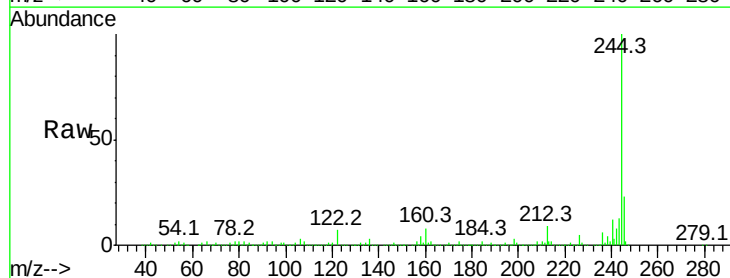
Tgt Ion:184 Resp: 32644

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

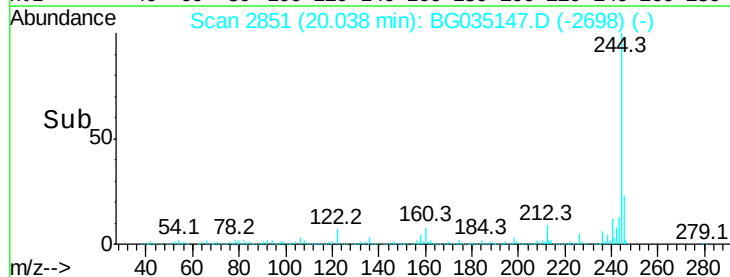
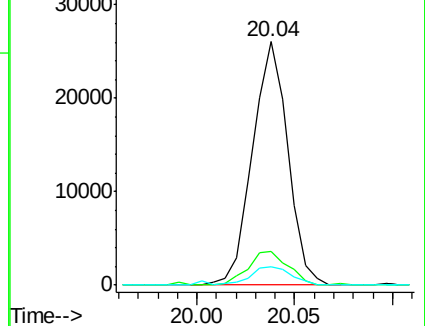
183 7.3 10.6 16.0#

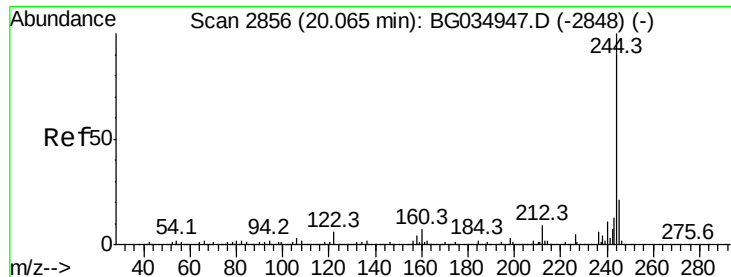


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.369 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

Instrument :

BNA_G

ClientSampleId :

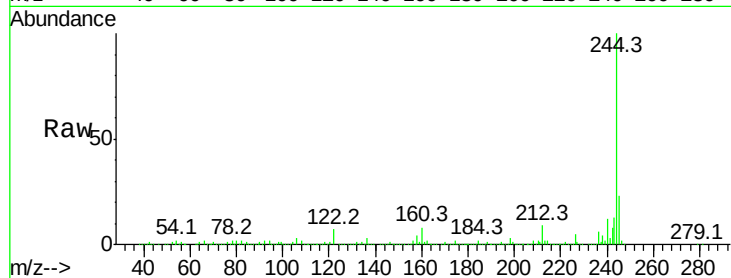
Tot Ion:244 Resp: 1770013

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

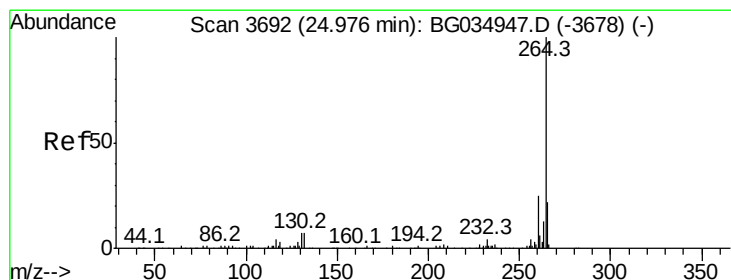
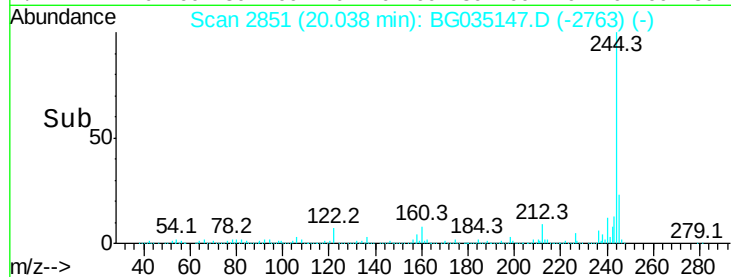
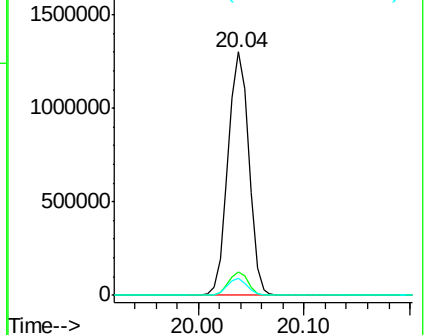
122 7.0 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3684

Delta R.T. -0.02 min

Lab File: BG035147.D

Acq: 14 Jun 2018 21:07

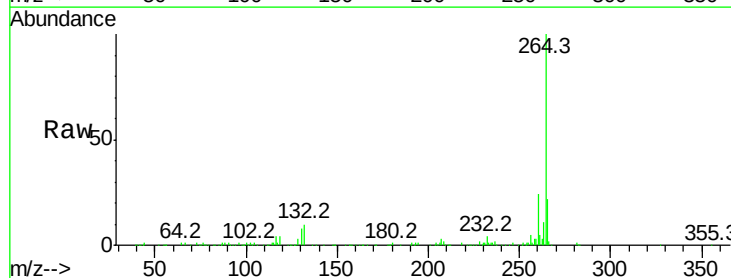
Tgt Ion:264 Resp: 366090

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.4 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

