

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035209.D
 Acq On : 16 Jun 2018 15:39
 Operator : SJ/JU
 Sample : J3504-04
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:21:01 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

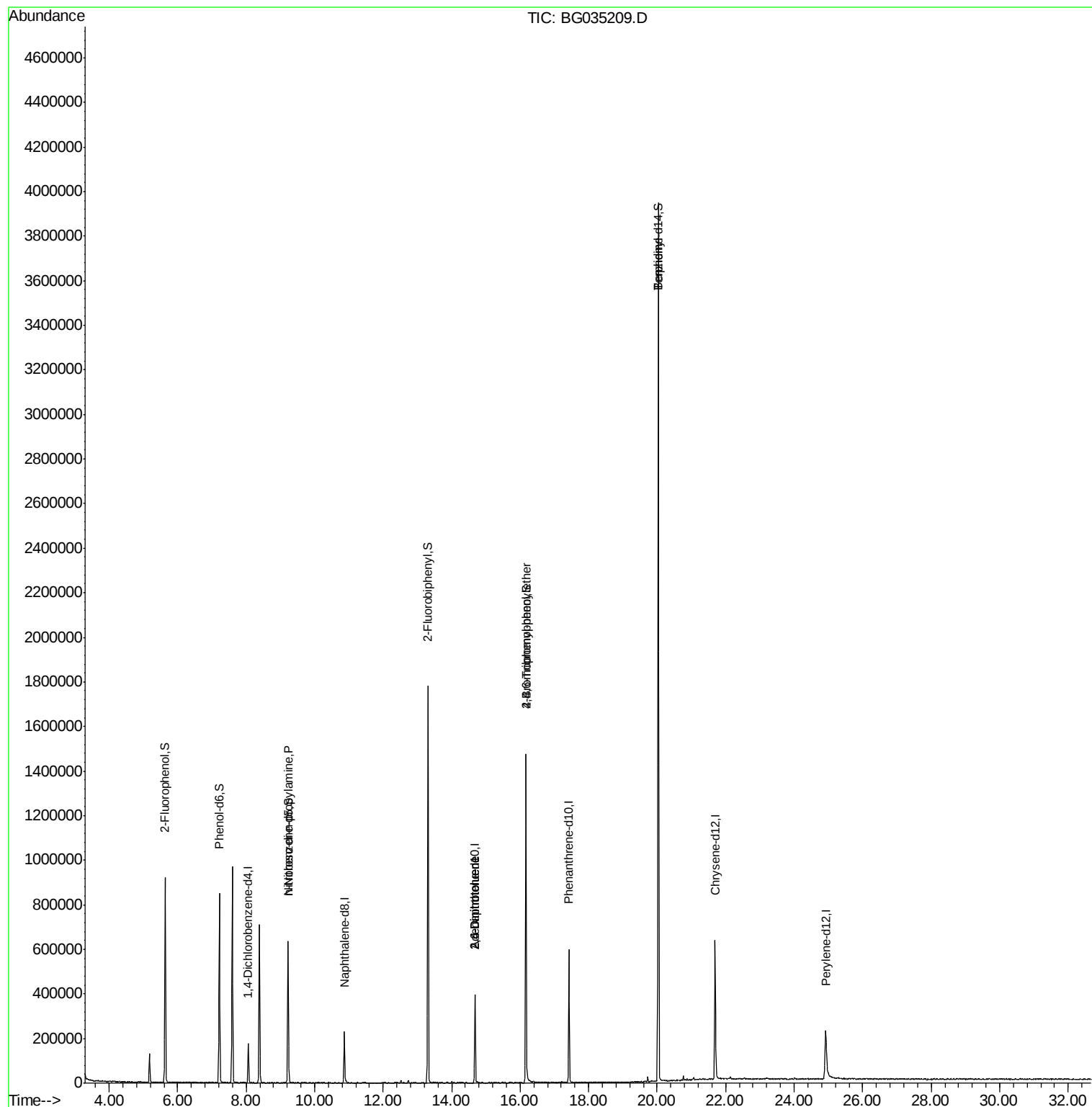
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	49897	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	187546	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	141706	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	390166	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	413496	20.00	ng	-0.02
86) Perylene-d12	24.93	264	316877	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	392012	132.59	ng	-0.01
7) Phenol-d6	7.22	99	520921	119.37	ng	0.00
23) Nitrobenzene-d5	9.22	82	421473	106.82	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	288542	159.06	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	989247	90.75	ng	-0.02
78) Terphenyl-d14	20.03	244	1927207	97.63	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	58605	15.807	ng	# 63
50) 2,6-Dinitrotoluene	14.68	165	18560	8.233	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	18560	6.198	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	21795	4.639	ng	# 1
76) Benzidine	20.03	184	32382	2.105	ng	# 91

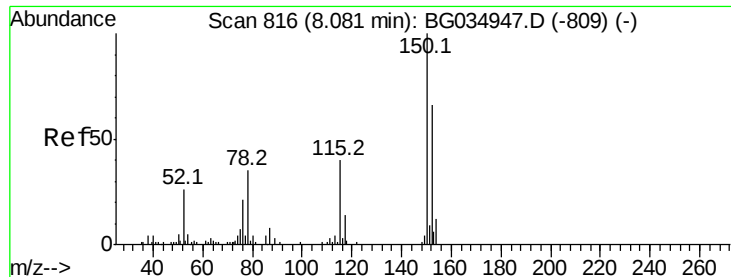
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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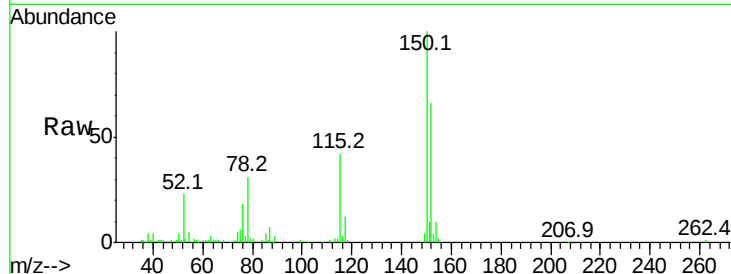


#1

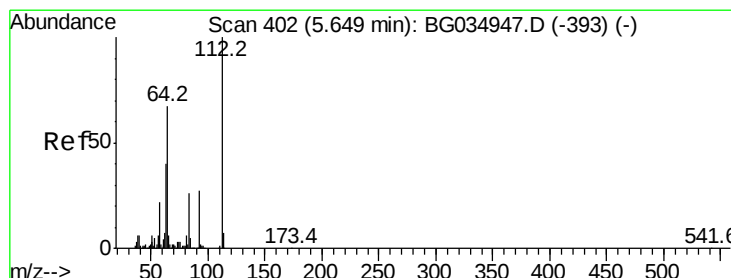
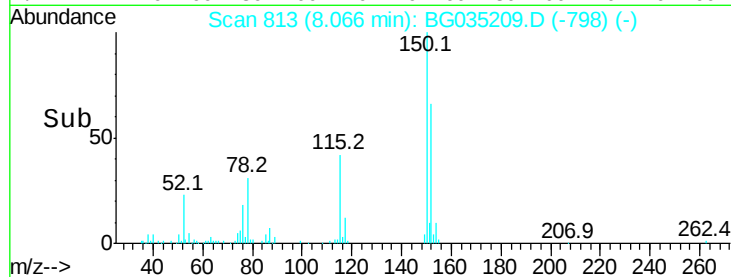
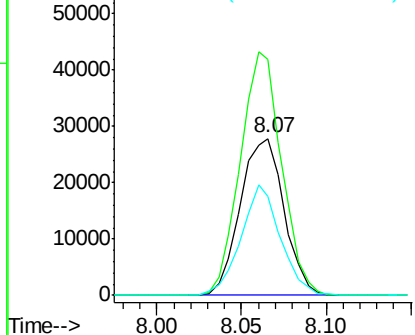
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	126.6	189.8
115	62.7	53.0	79.4



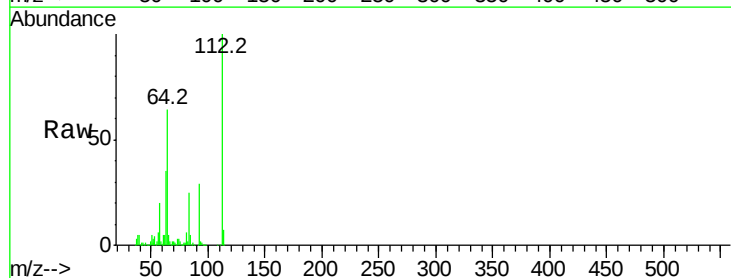
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



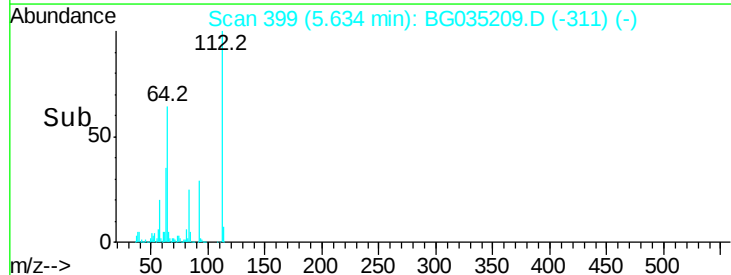
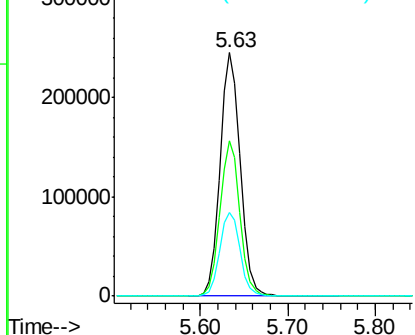
#5

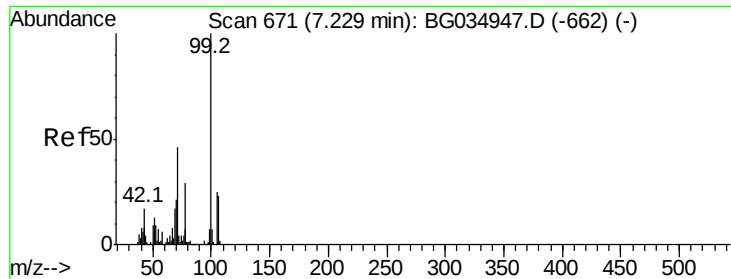
2-Fluorophenol
Concen: 132.586 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	56.3	84.5
63	34.5	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGO
Ion 63.00 (62.70 to 63.70): BGO





#7

Phenol-d6

Concen: 119.371 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

Instrument :

BNA_G

ClientSampleId :

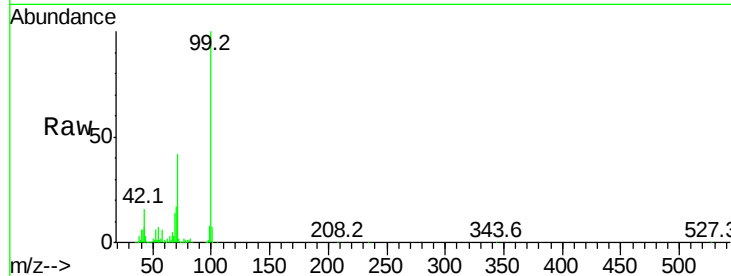
Tot Ion: 99 Resp: 520921

Ion Ratio Lower Upper

99 100

42 15.8 14.1 21.1

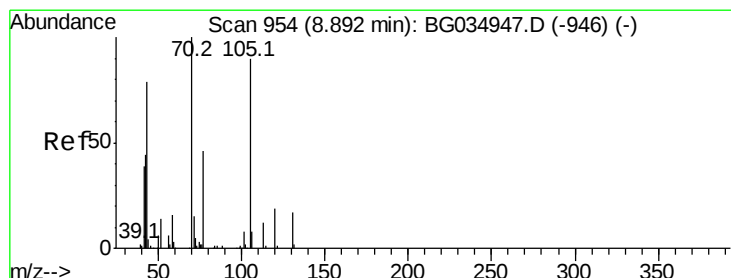
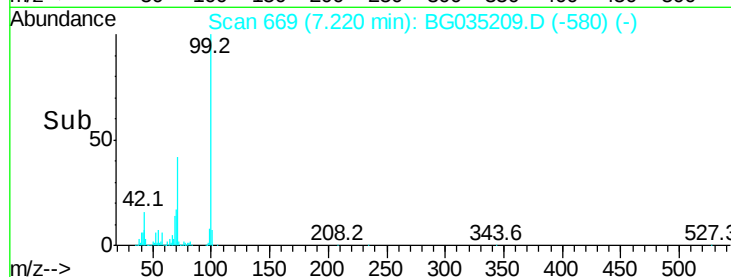
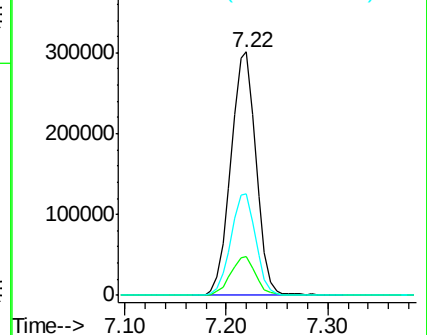
71 41.7 26.1 39.1#



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: 15.807 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

Tgt Ion: 70 Resp: 58605

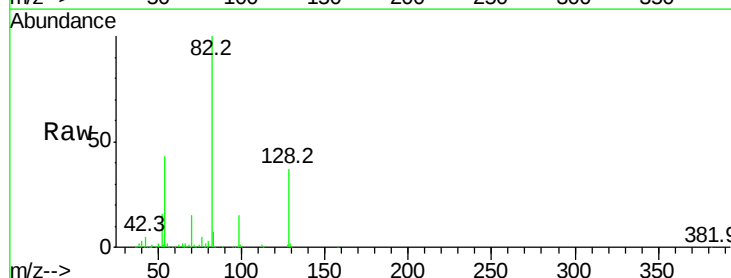
Ion Ratio Lower Upper

70 100

42 30.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

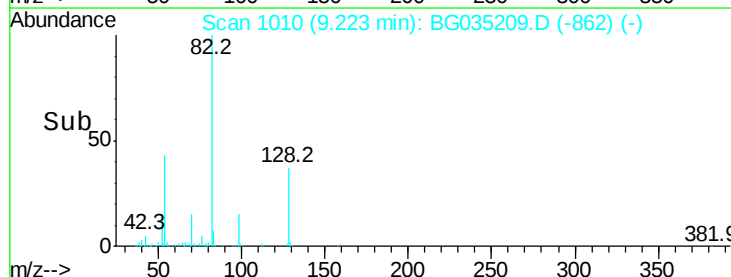
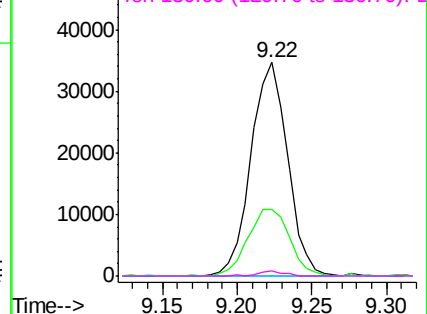


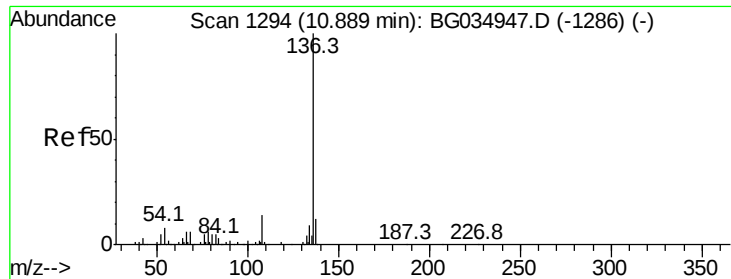
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

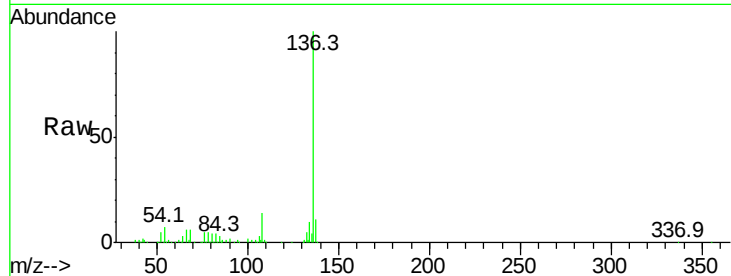




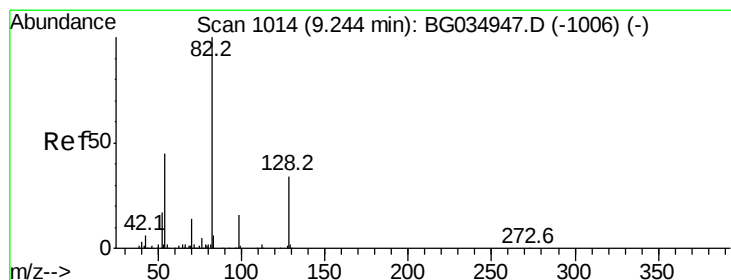
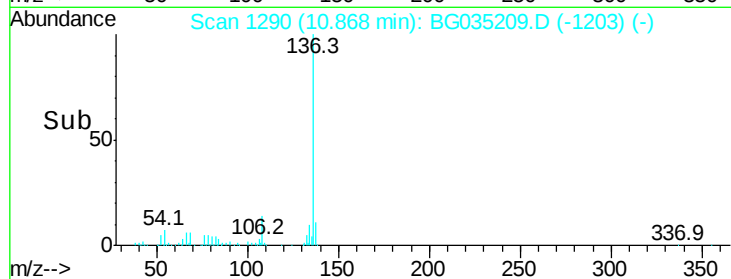
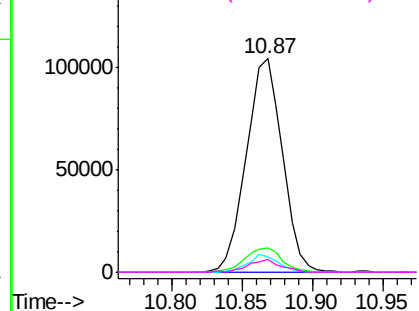
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	187546
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	7.1	10.3	15.5#
68	5.9	4.5	6.7

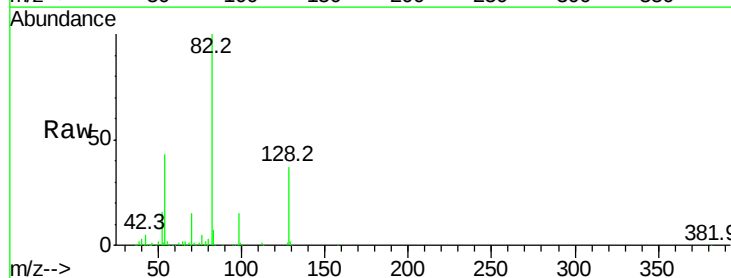


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

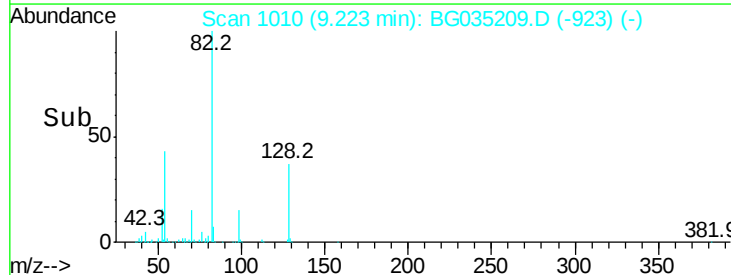
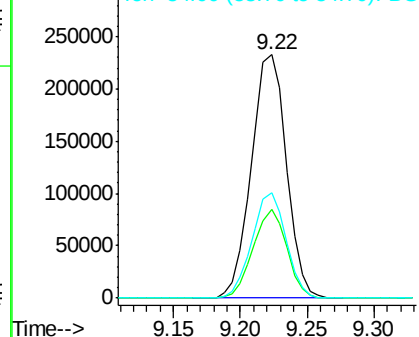


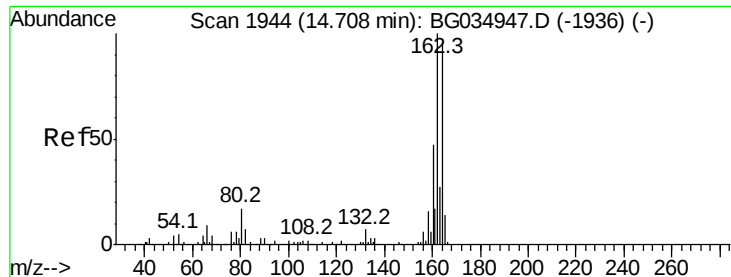
#23
Nitrobenzene-d5
Concen: 106.824 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Tgt Ion:	82	Resp:	421473
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.7	44.5
54	43.2	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: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

Instrument :

BNA_G

ClientSampleId :

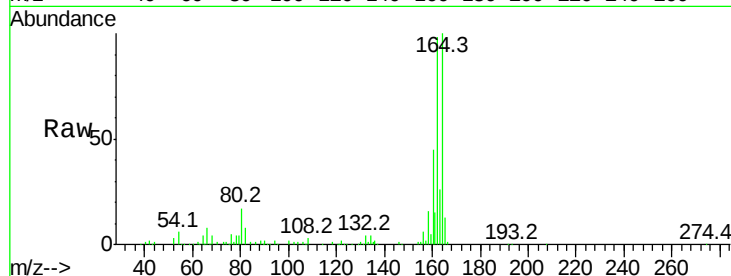
Tot Ion:164 Resp: 141706

Ion Ratio Lower Upper

164 100

162 98.4 78.8 118.2

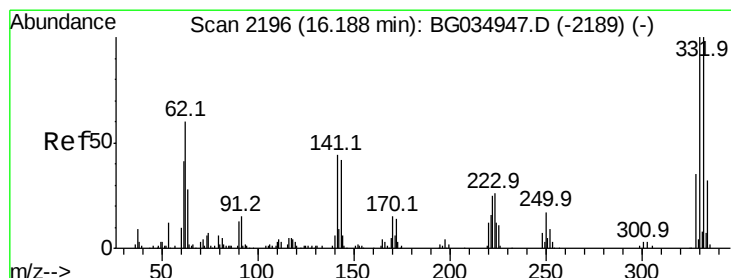
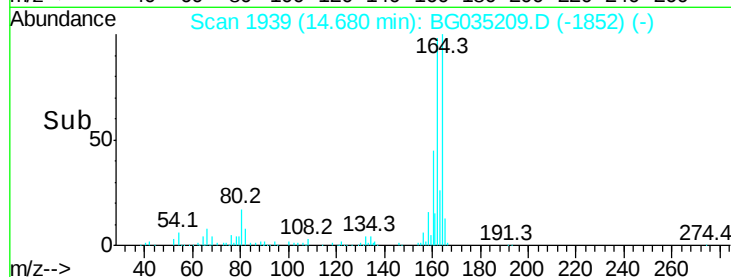
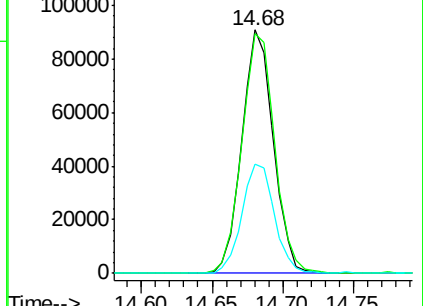
160 44.8 35.4 53.0



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: 159.062 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

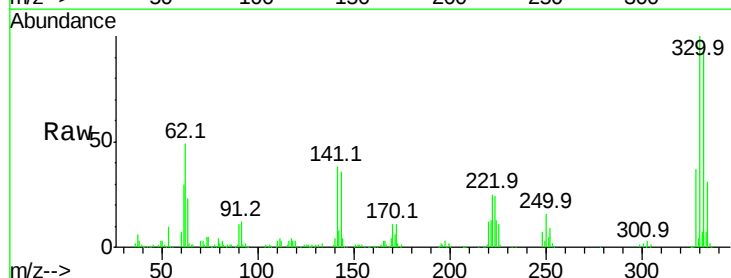
Tgt Ion:330 Resp: 288542

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

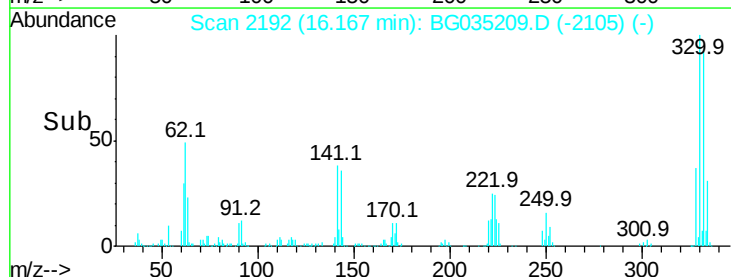
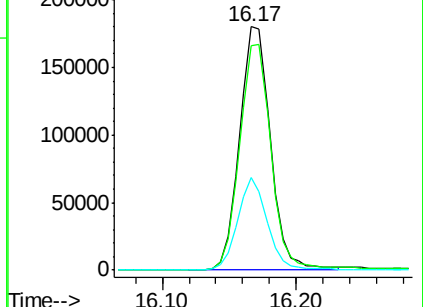
141 36.8 25.2 37.8

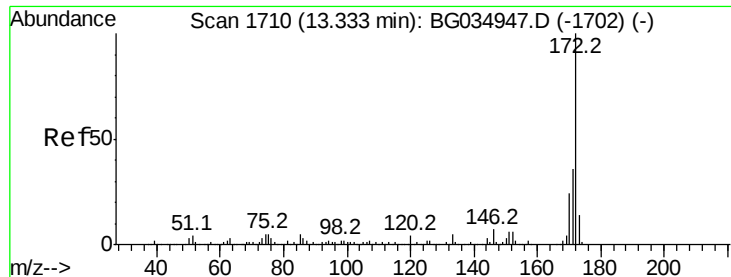


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 90.753 ng

RT: 13.31 min Scan# 1705

Delta R.T. -0.02 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

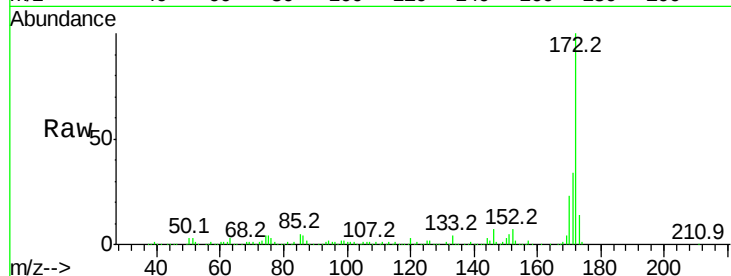
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 989247

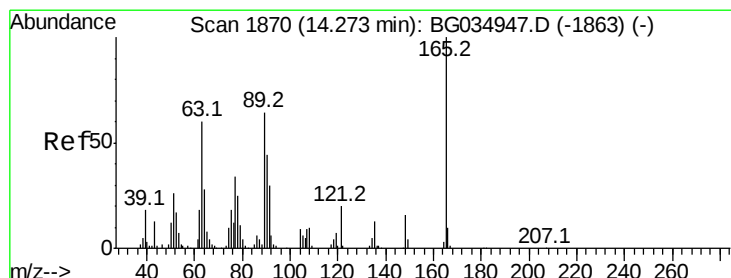
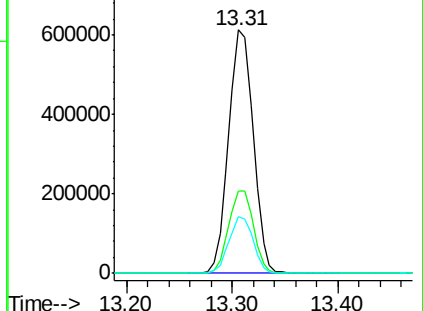
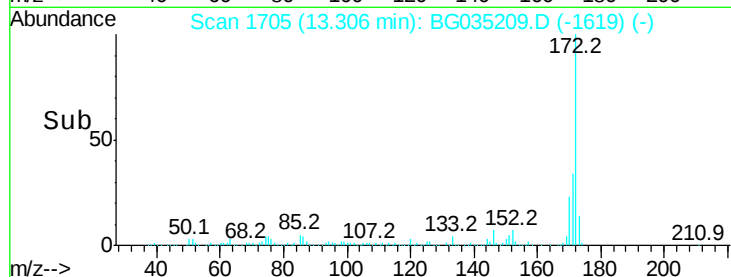
Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.0	45.0
170	23.3	19.5	29.3



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



#50

2,6-Dinitrotoluene

Concen: 8.233 ng

RT: 14.68 min Scan# 1939

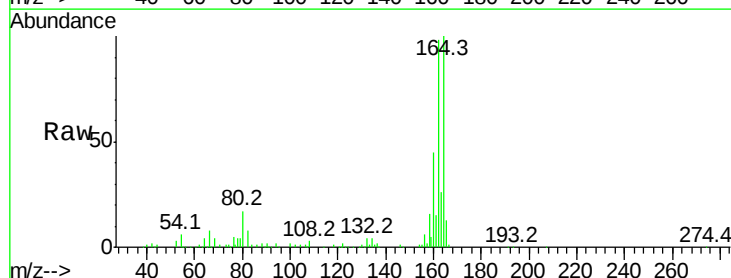
Delta R.T. 0.41 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

Tgt Ion:165 Resp: 18560

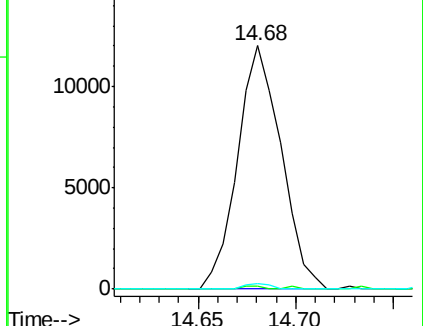
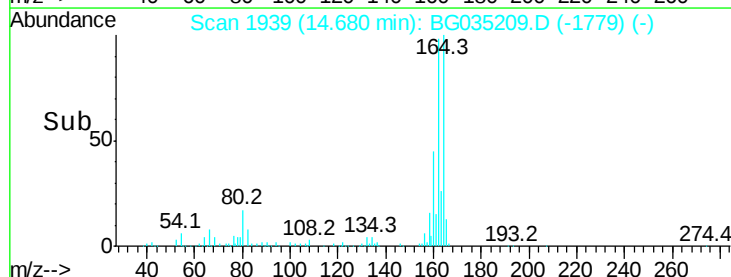
Ion	Ratio	Lower	Upper
165	100		
63	1.4	52.7	79.1#
89	2.2	49.2	73.8#

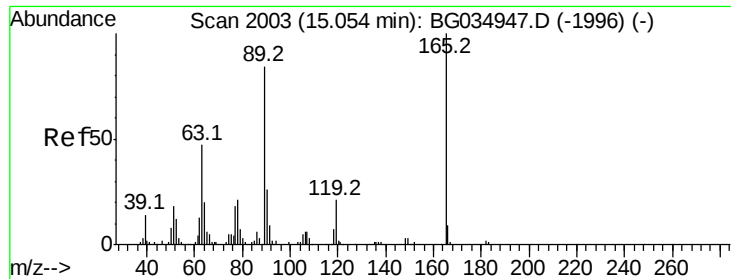


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

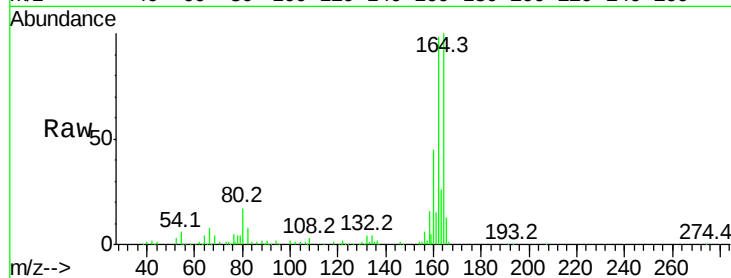




#56
2,4-Dinitrotoluene
Concen: 6.198 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.37 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.0	63.0#
89	2.2	66.9	100.3#
182	0.0	2.6	3.8#

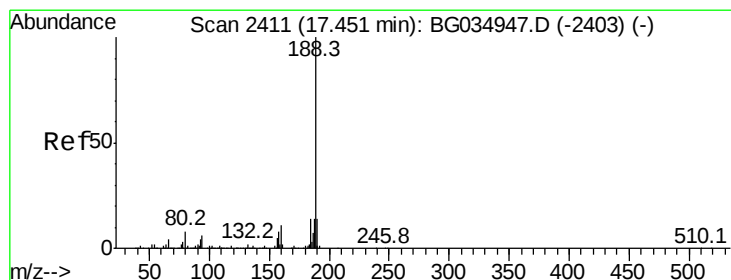
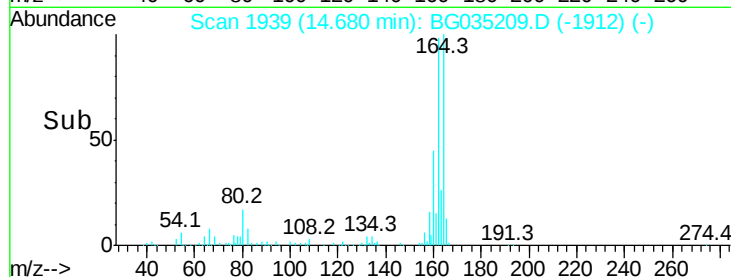
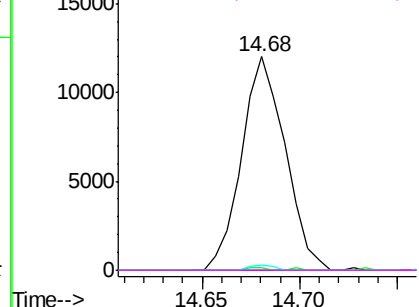


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

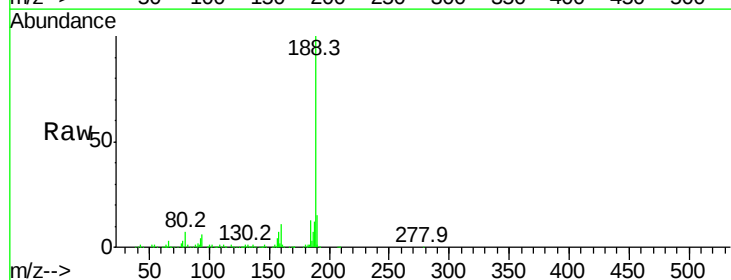
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

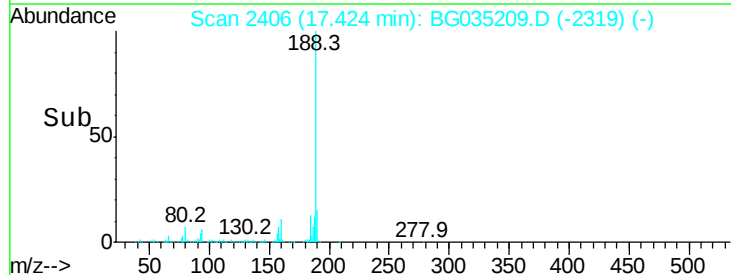
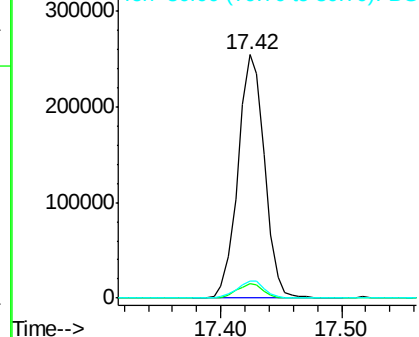
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	6.9	10.3#
80	7.0	7.7	11.5#

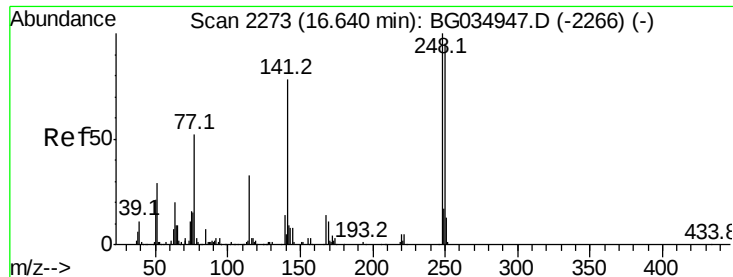


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

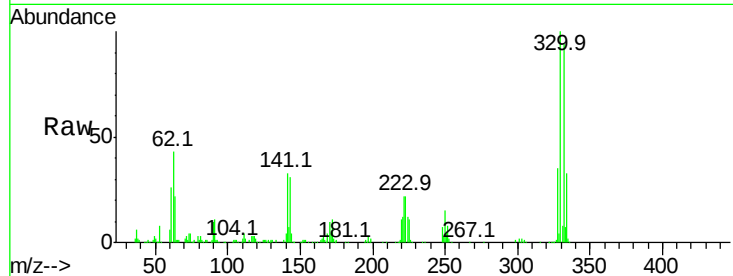




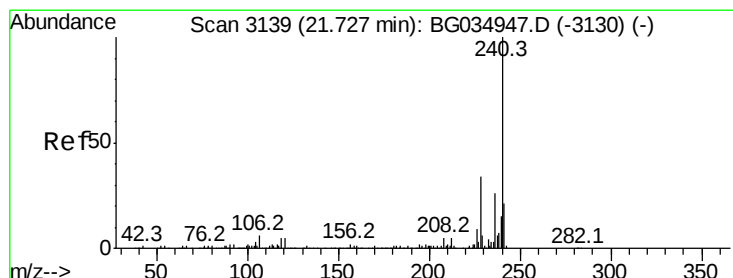
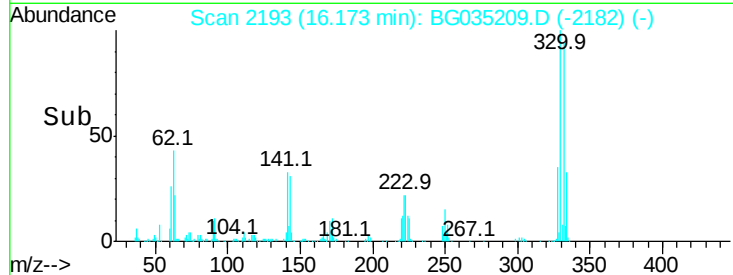
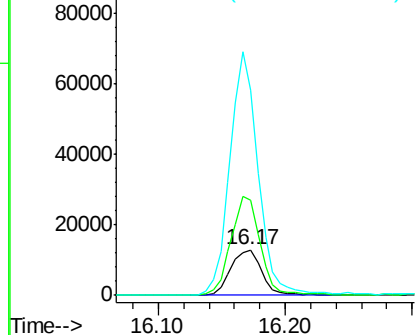
#66
4-Bromophenyl-phenylether
Concen: 4.639 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.46 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 21795
Ion Ratio Lower Upper
248 100
250 208.8 77.1 115.7#
141 448.5 50.8 76.2#

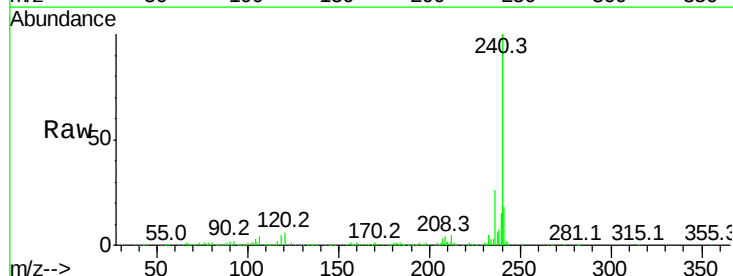


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

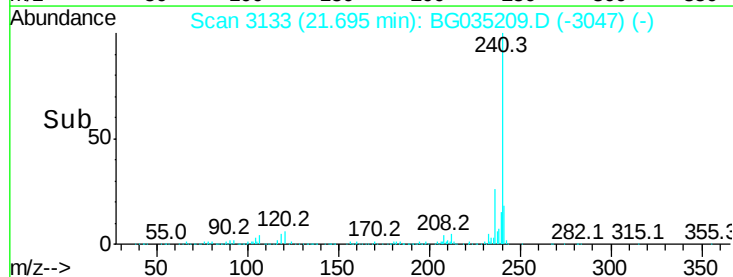
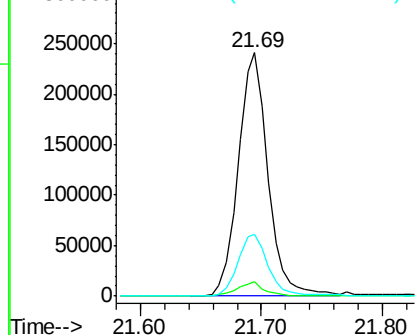


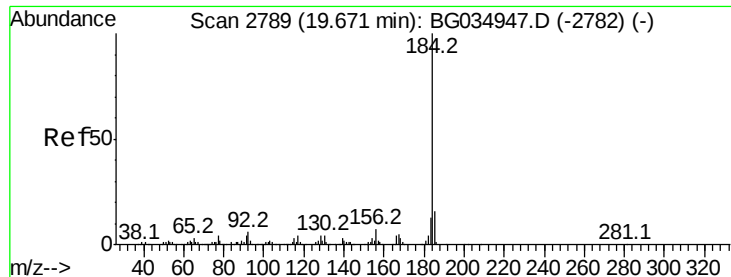
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Tgt Ion:240 Resp: 413496
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 25.5 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: 2.105 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

Instrument :

BNA_G

ClientSampleId :

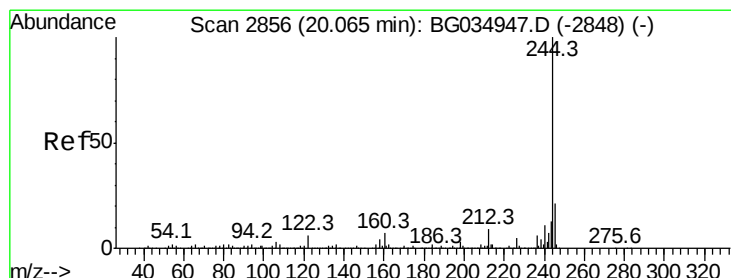
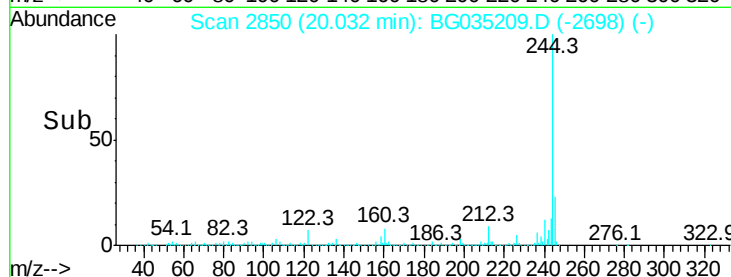
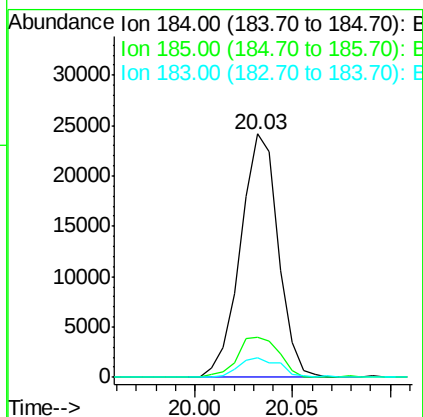
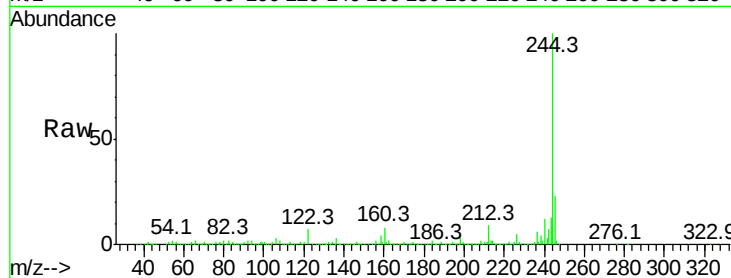
Tot Ion:184 Resp: 32382

Ion Ratio Lower Upper

184 100

185 16.3 11.1 16.7

183 8.2 10.6 16.0#



#78

Terphenyl-d14

Concen: 97.628 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035209.D

Acq: 16 Jun 2018 15:39

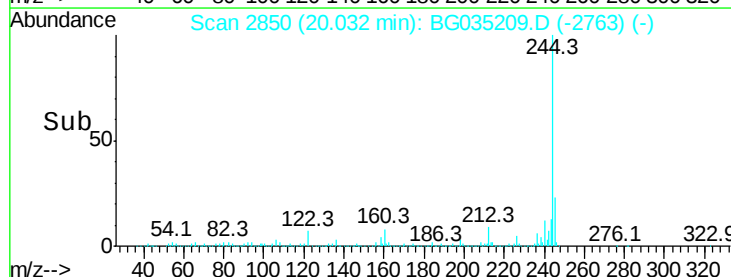
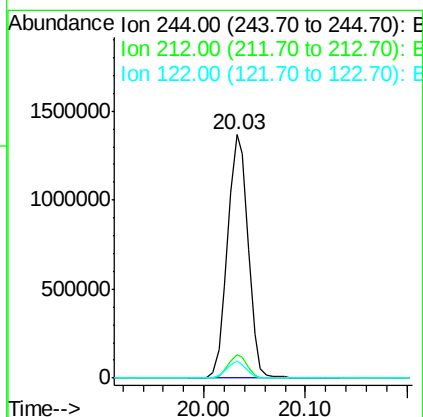
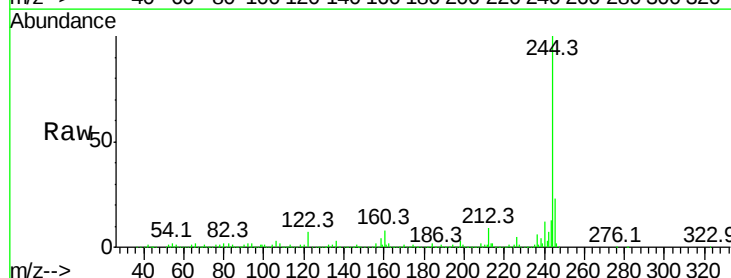
Tgt Ion:244 Resp: 1927207

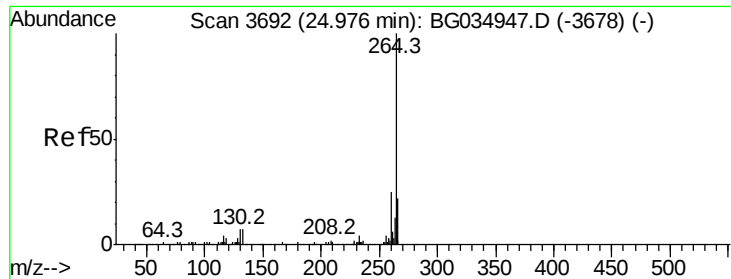
Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

122 7.2 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.93 min Scan# 3683
Delta R.T. -0.03 min
Lab File: BG035209.D
Acq: 16 Jun 2018 15:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	24.4	17.7	26.5

