

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035198.D
 Acq On : 16 Jun 2018 8:36
 Operator : SJ/JU
 Sample : J3241-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:25 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

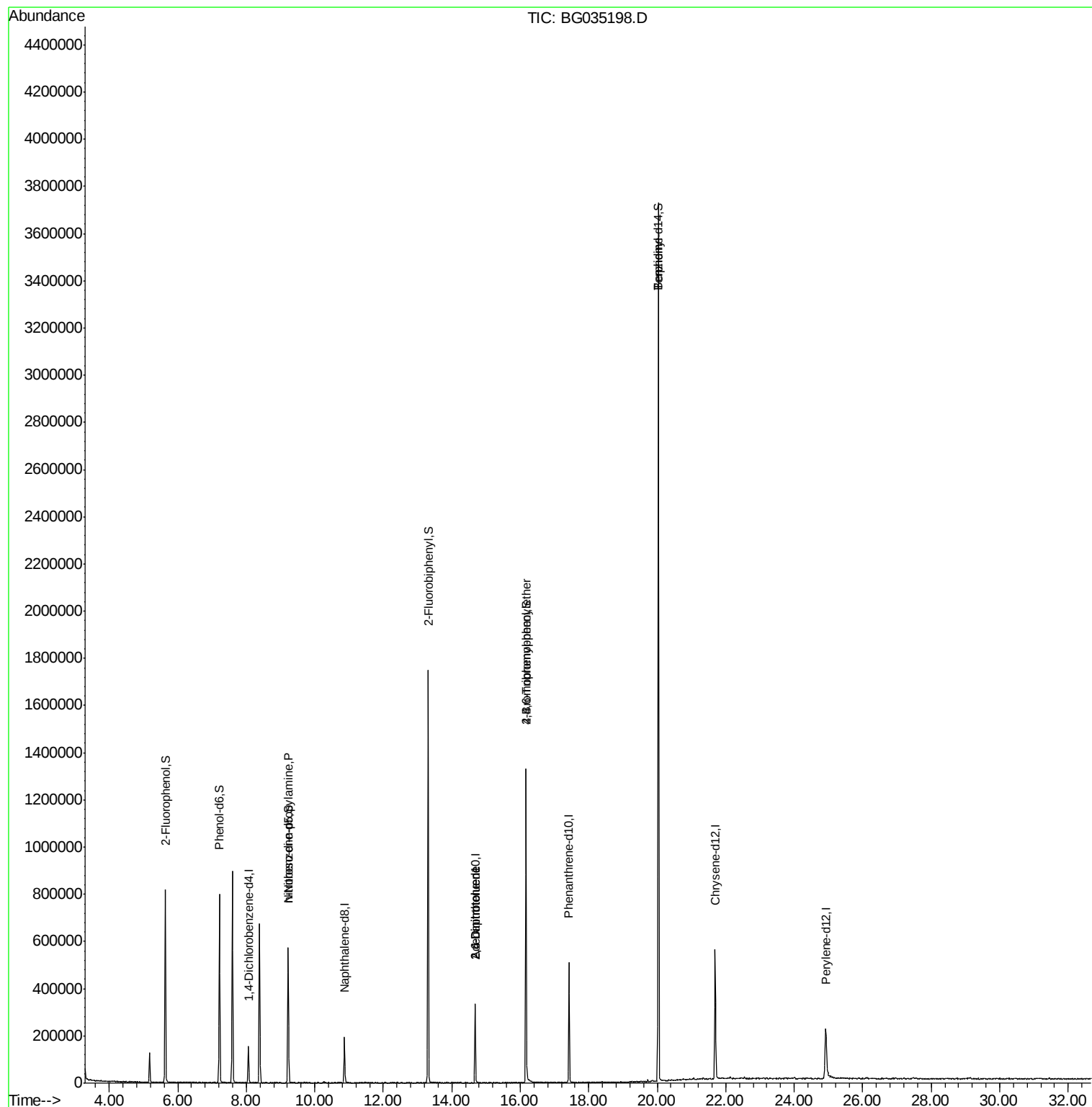
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	42024	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	161533	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	119838	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	330822	20.00	ng	-0.01
75) Chrysene-d12	21.69	240	362432	20.00	ng	-0.02
86) Perylene-d12	24.92	264	307413	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	355563	142.79	ng	-0.01
7) Phenol-d6	7.22	99	473644	128.87	ng	0.00
23) Nitrobenzene-d5	9.22	82	388827	114.42	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	251945	164.23	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	911411	98.87	ng	-0.02
78) Terphenyl-d14	20.04	244	1763674	101.93	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	52626	16.854	ng	# 68
50) 2,6-Dinitrotoluene	14.68	165	16575	8.694	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	16575	6.545	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	20261	5.086	ng	# 1
76) Benzidine	20.04	184	32028	2.375	ng	# 95

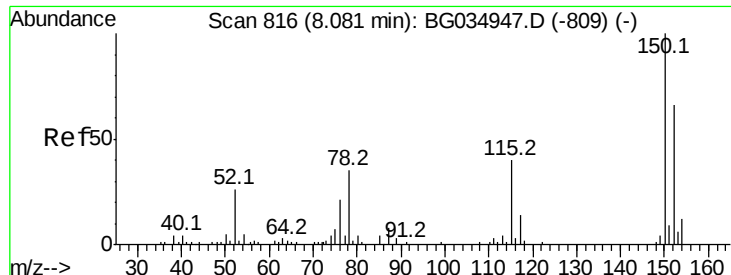
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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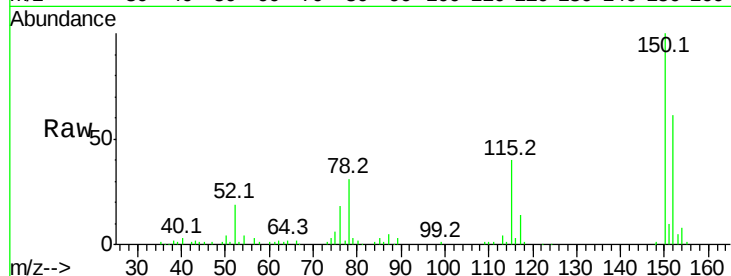


#1

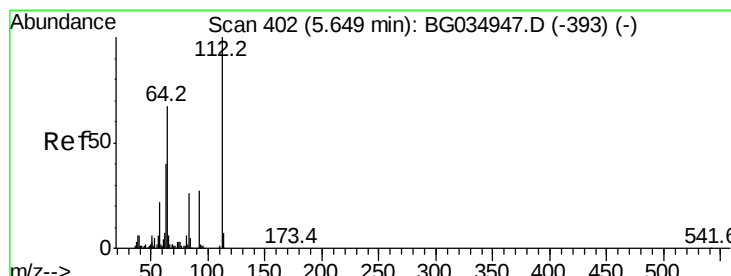
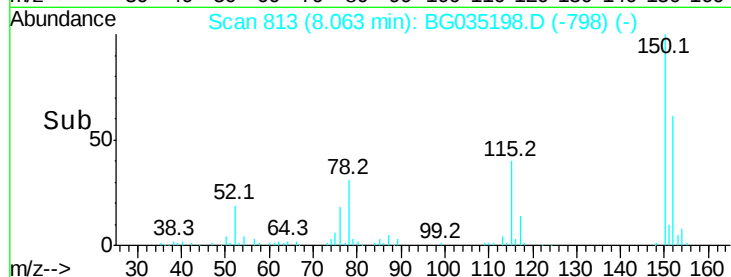
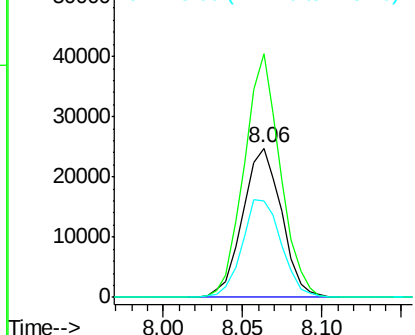
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 42024
Ion Ratio Lower Upper
152 100
150 163.3 126.6 189.8
115 64.7 53.0 79.4



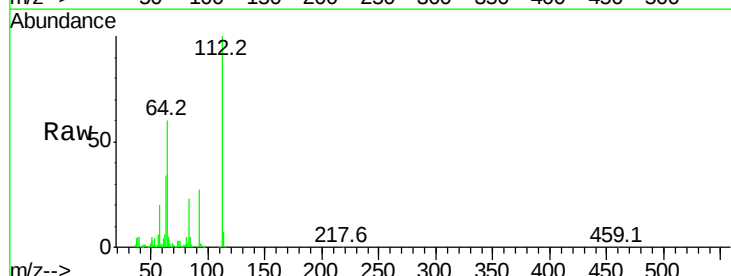
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



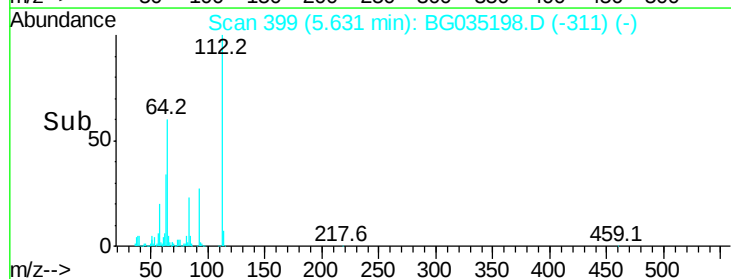
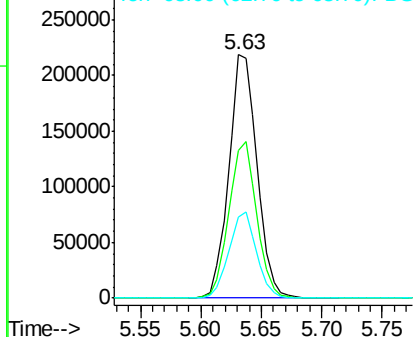
#5

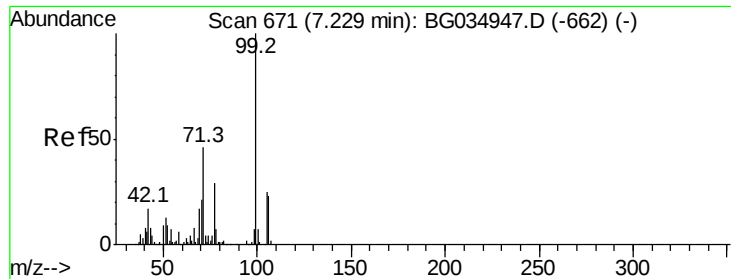
2-Fluorophenol
Concen: 142.788 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:112 Resp: 355563
Ion Ratio Lower Upper
112 100
64 60.5 56.3 84.5
63 33.5 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: 128.872 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035198.D

Acq: 16 Jun 2018 8:36

Instrument :

BNA_G

ClientSampleId :

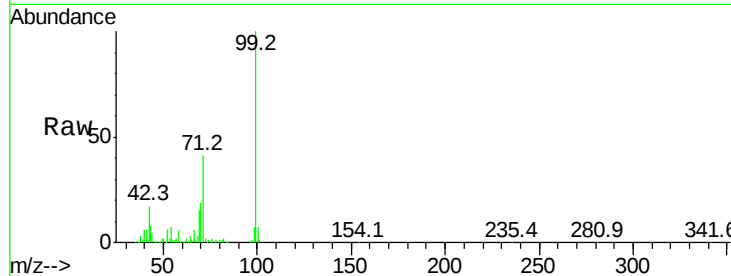
Tot Ion: 99 Resp: 473644

Ion Ratio Lower Upper

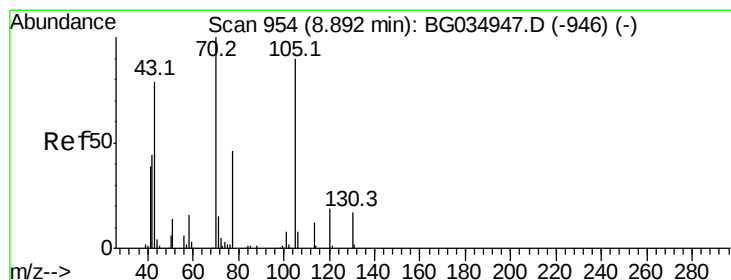
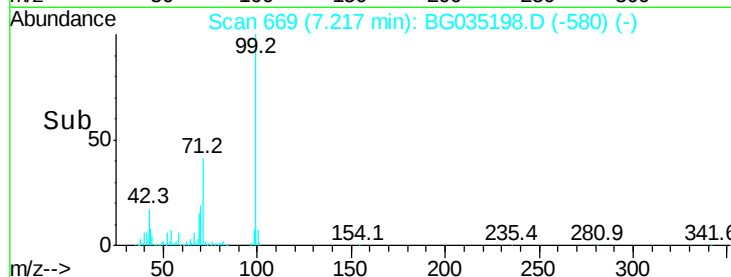
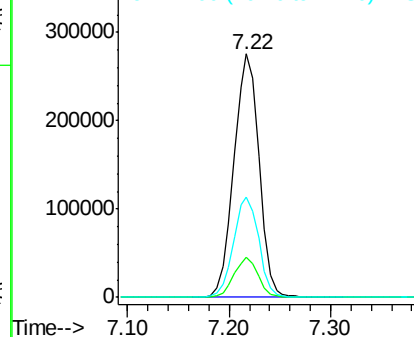
99 100

42 16.7 14.1 21.1

71 41.1 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: 16.854 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG035198.D

Acq: 16 Jun 2018 8:36

Tgt Ion: 70 Resp: 52626

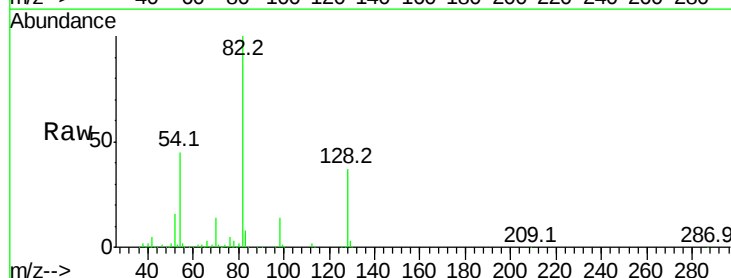
Ion Ratio Lower Upper

70 100

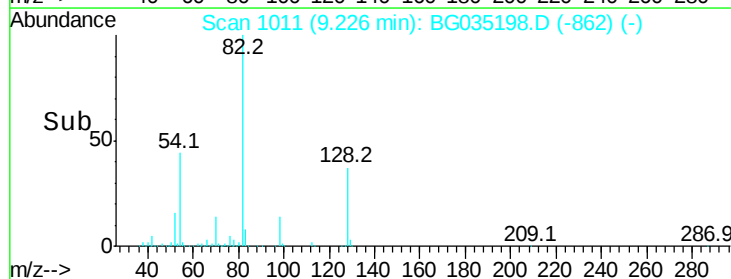
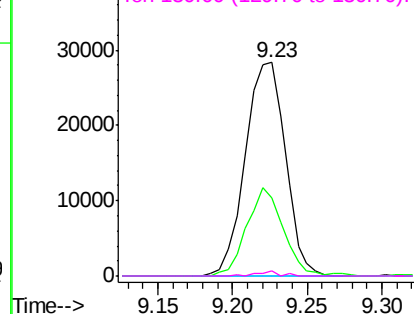
42 36.9 49.1 73.7#

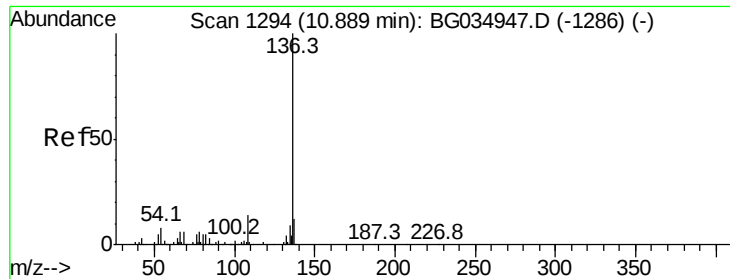
101 0.0 8.5 12.7#

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

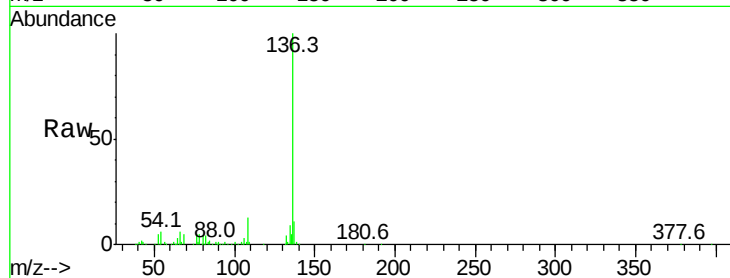




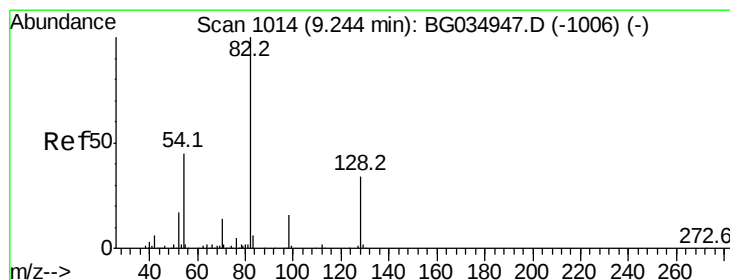
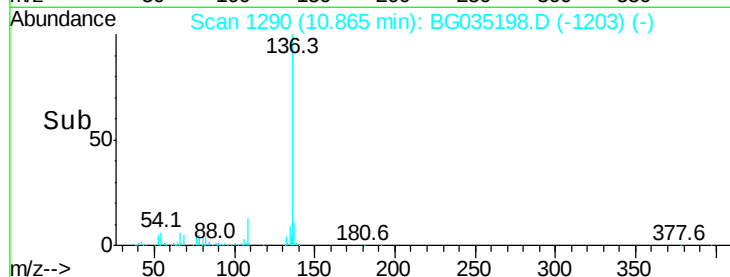
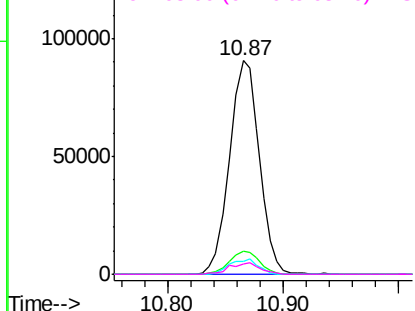
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	161533
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	5.9	10.3	15.5
68	4.7	4.5	6.7

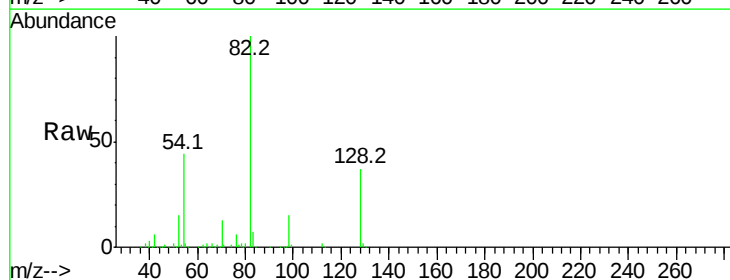


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

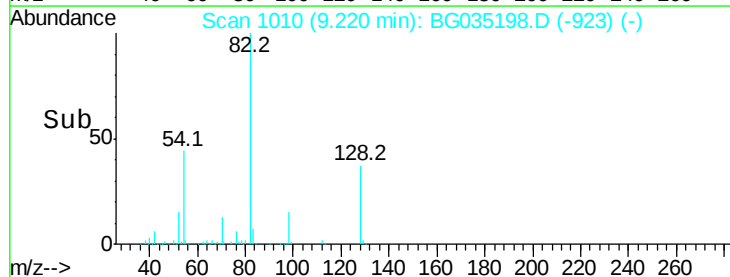
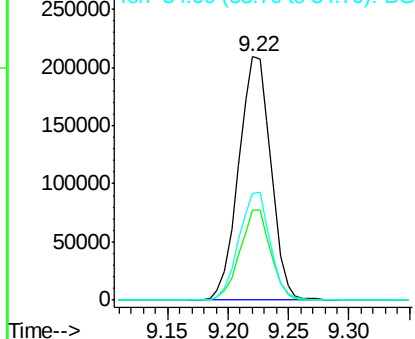


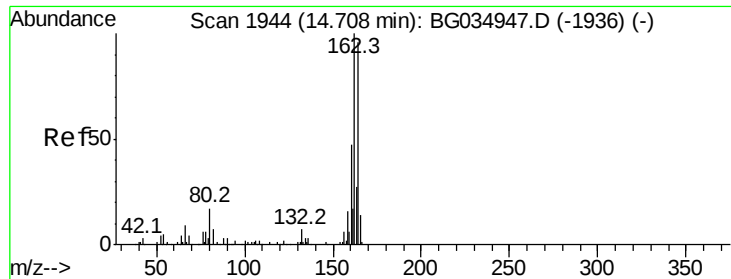
#23
Nitrobenzene-d5
Concen: 114.420 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:	82	Resp:	388827
Ion	Ratio	Lower	Upper
82	100		
128	37.2	29.7	44.5
54	43.7	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

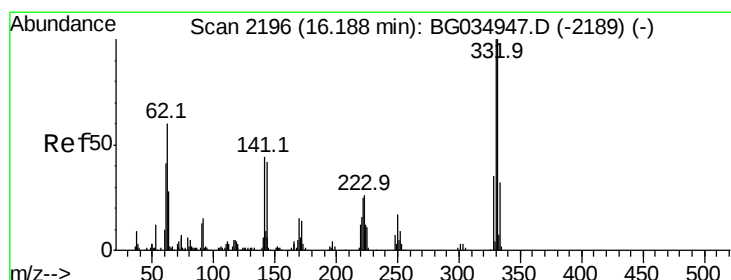
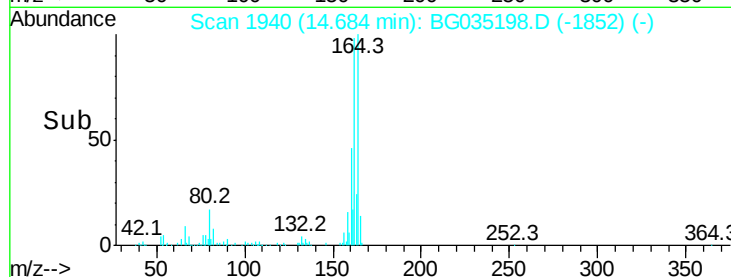
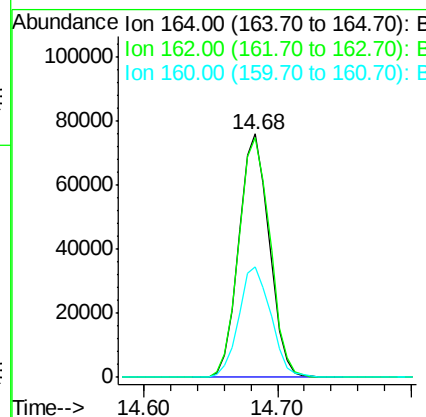
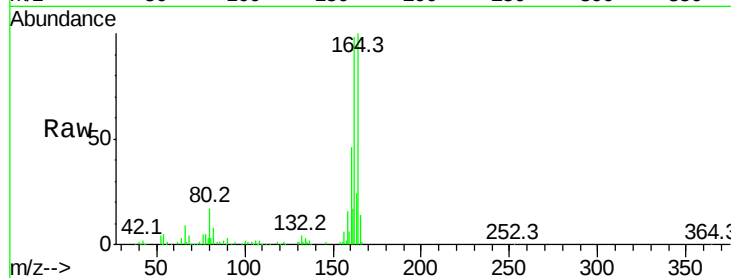




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

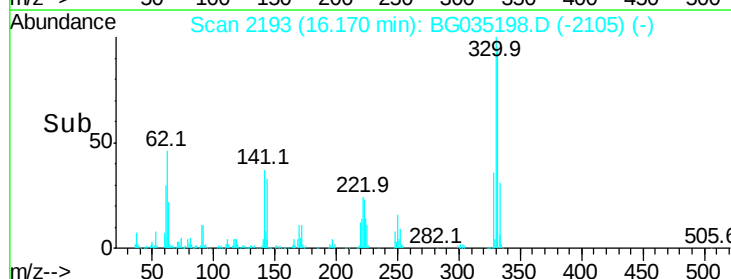
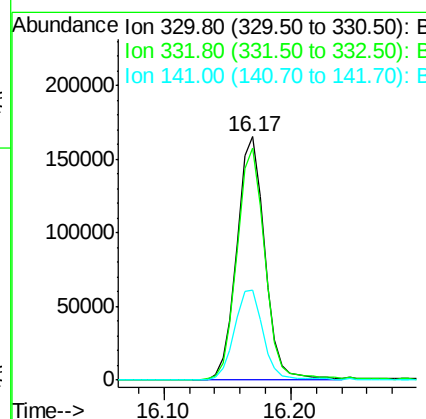
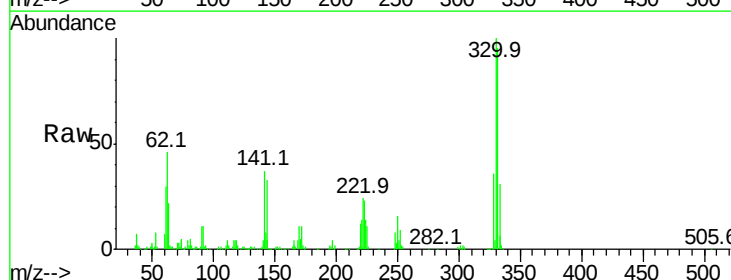
Instrument :
BNA_G
ClientSampleId :

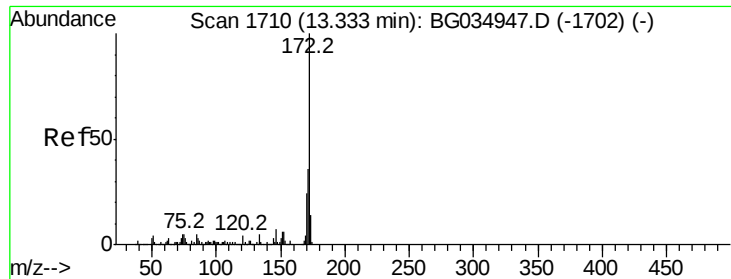
Tot Ion:164 Resp: 119838
Ion Ratio Lower Upper
164 100
162 98.3 78.8 118.2
160 45.6 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 164.232 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:330 Resp: 251945
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 38.3 25.2 37.8#





#44

2-Fluorobiphenyl

Concen: 98.869 ng

RT: 13.31 min Scan# 1706

Delta R.T. -0.02 min

Lab File: BG035198.D

Acq: 16 Jun 2018 8:36

Instrument :

BNA_G

ClientSampleId :

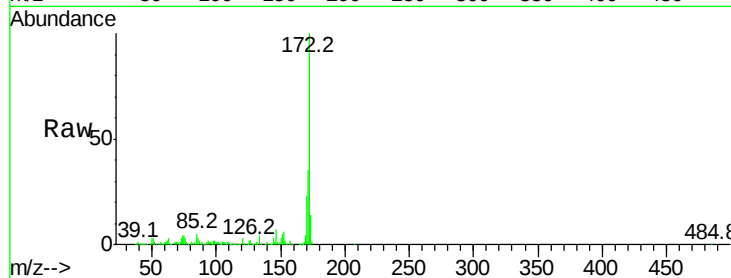
Tot Ion:172 Resp: 911411

Ion Ratio Lower Upper

172 100

171 35.3 30.0 45.0

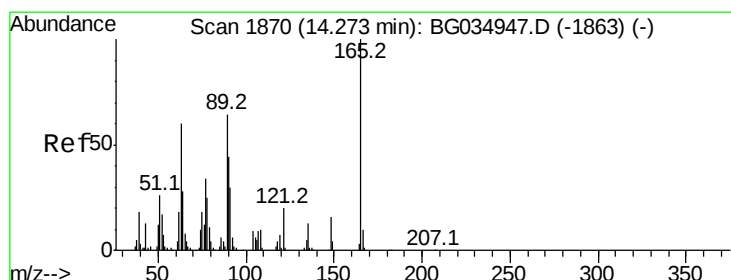
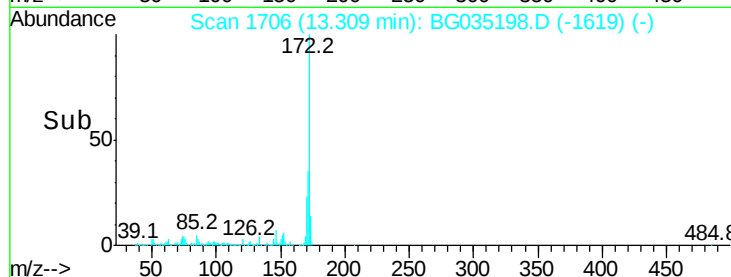
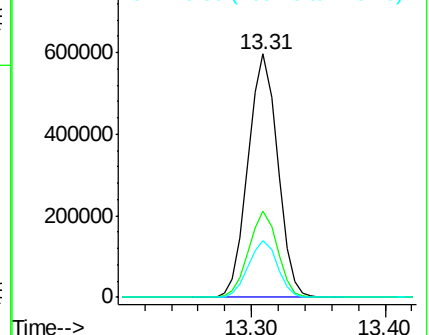
170 23.4 19.5 29.3



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: 8.694 ng

RT: 14.68 min Scan# 1940

Delta R.T. 0.42 min

Lab File: BG035198.D

Acq: 16 Jun 2018 8:36

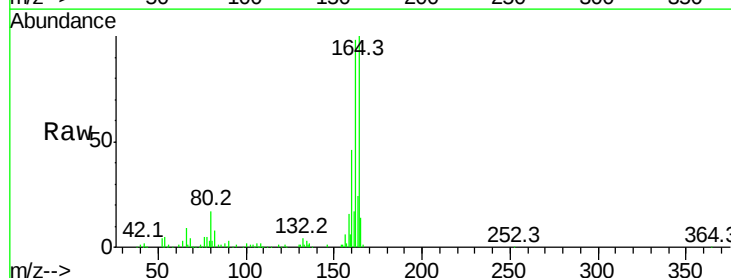
Tgt Ion:165 Resp: 16575

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

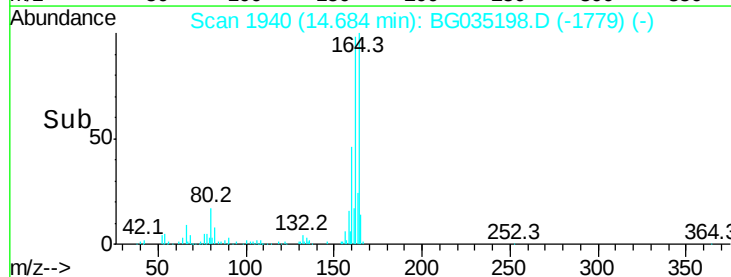
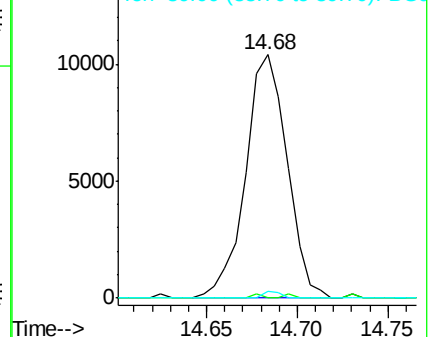
89 2.9 49.2 73.8#

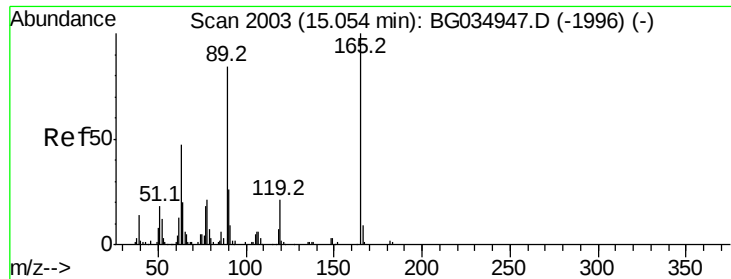


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

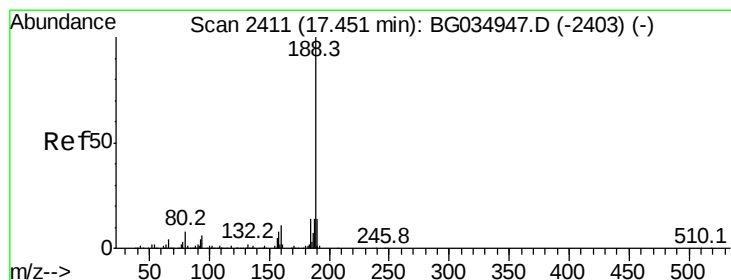
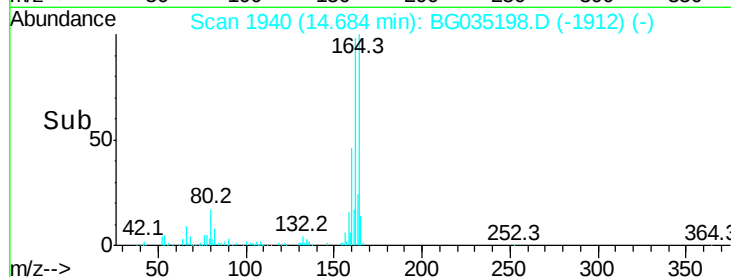
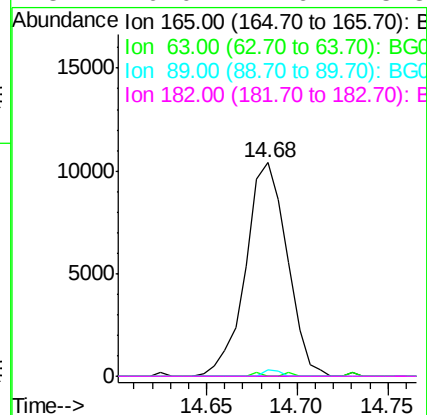
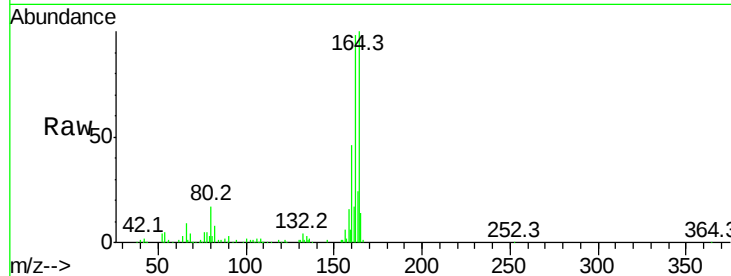




#56
2,4-Dinitrotoluene
Concen: 6.545 ng
RT: 14.68 min Scan# 1940
Delta R.T. -0.37 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

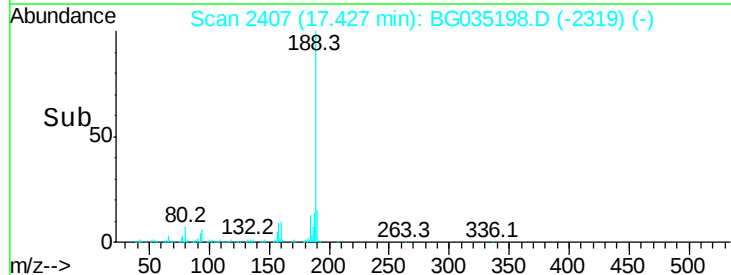
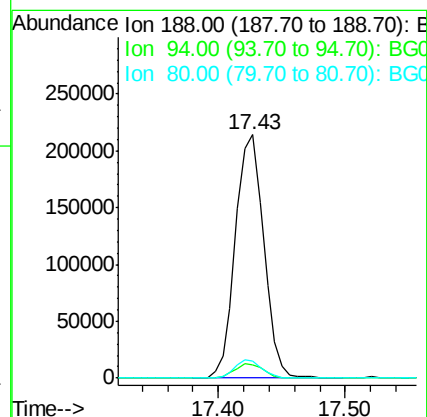
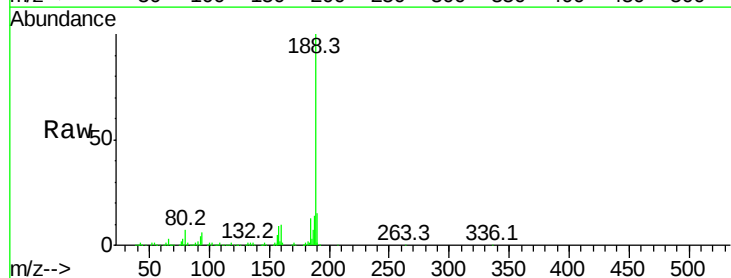
Instrument :
BNA_G
ClientSampleId :

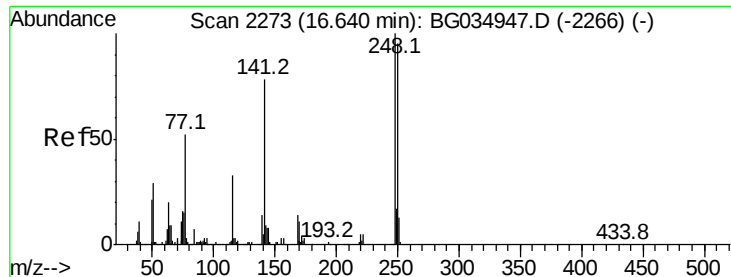
Tot Ion:165 Resp: 16575
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 2.9 66.9 100.3#
182 0.0 2.6 3.8#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:188 Resp: 330822
Ion Ratio Lower Upper
188 100
94 5.6 6.9 10.3#
80 6.8 7.7 11.5#

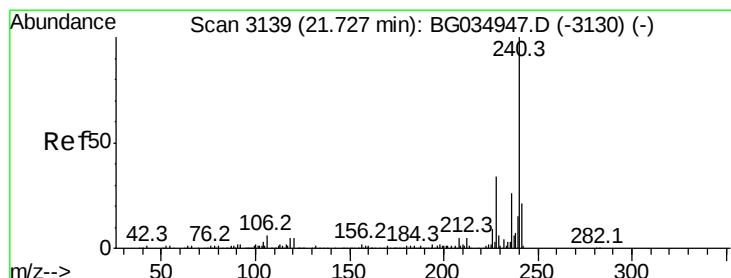
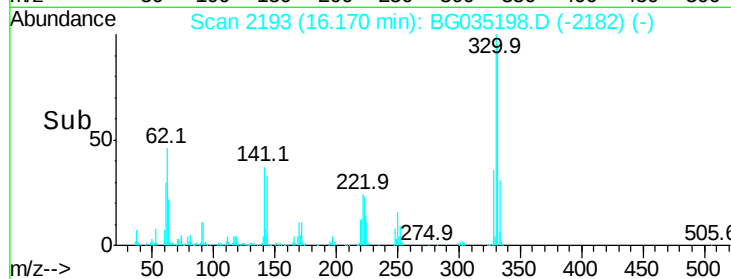
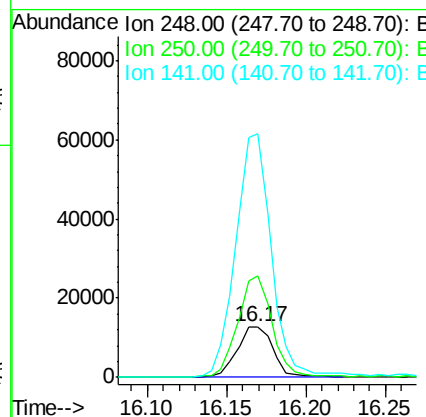
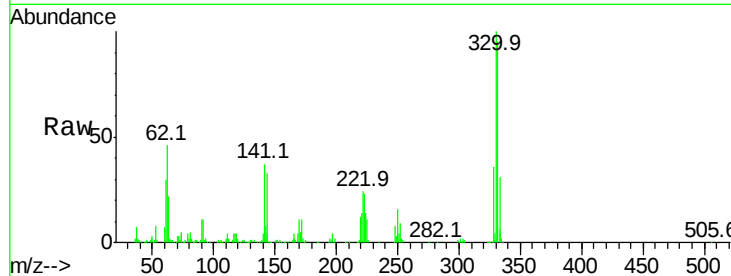




#66
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 16.17 min Scan# 2193
Delta R.T. -0.47 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

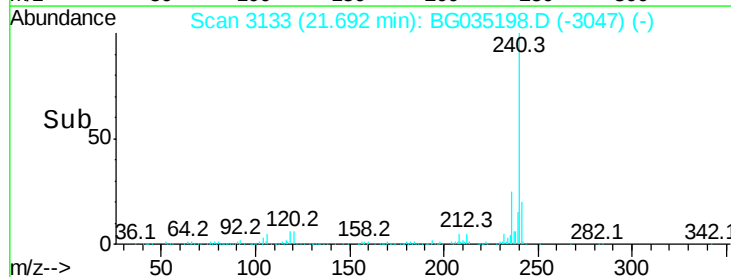
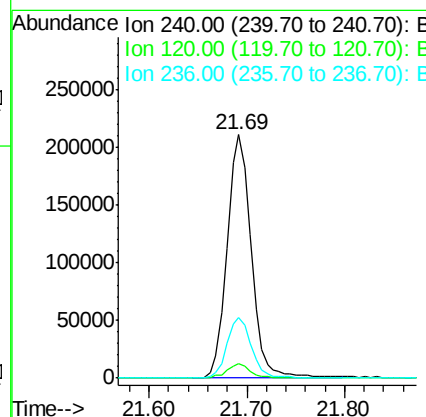
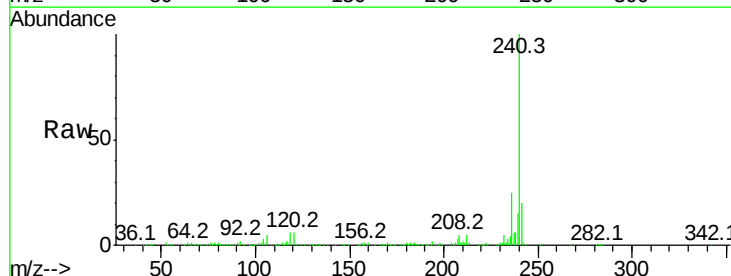
Instrument :
BNA_G
ClientSampleId :

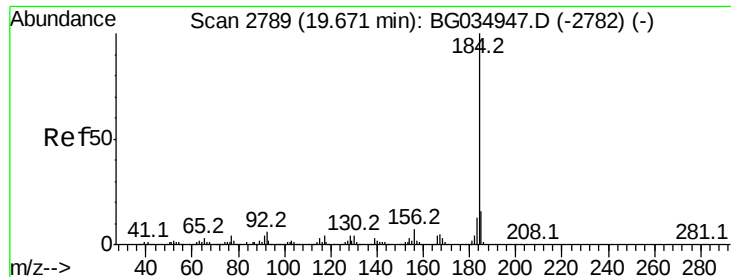
Tot Ion:248 Resp: 20261
Ion Ratio Lower Upper
248 100
250 201.0 77.1 115.7#
141 479.6 50.8 76.2#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:240 Resp: 362432
Ion Ratio Lower Upper
240 100
120 6.0 6.8 10.2#
236 25.0 20.9 31.3

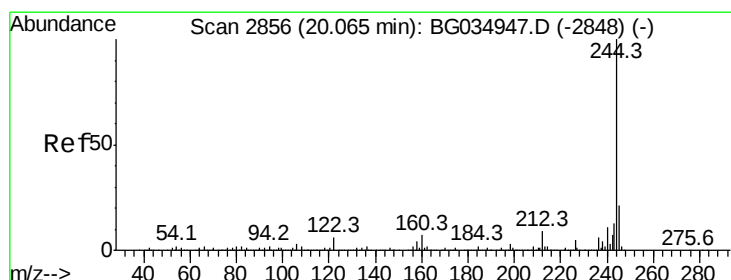
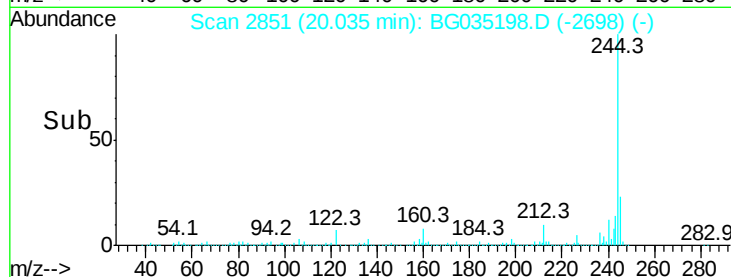
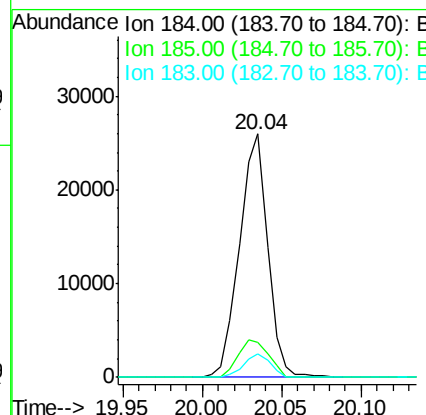
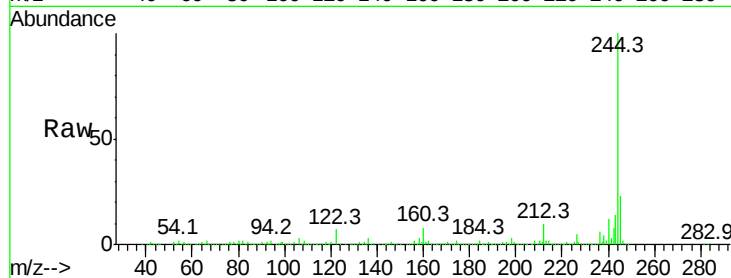




#76
Benzidine
Concen: 2.375 ng
RT: 20.04 min Scan# 2851
Delta R.T. 0.37 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

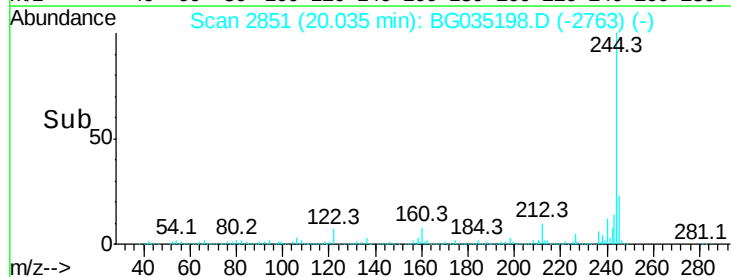
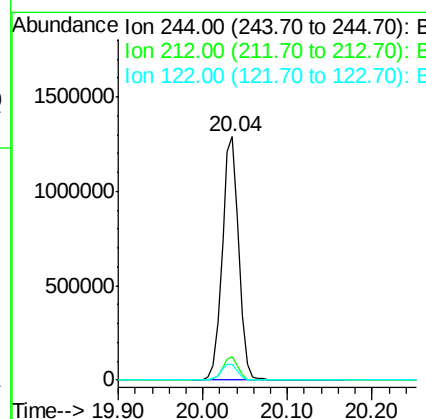
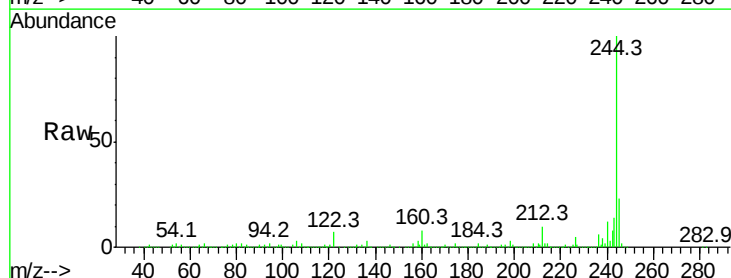
Instrument :
BNA_G
ClientSampleId :

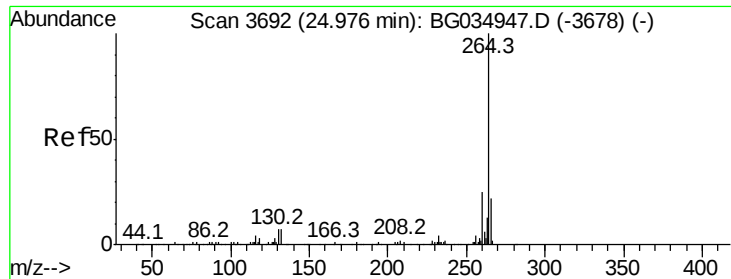
Tot Ion:184 Resp: 32028
Ion Ratio Lower Upper
184 100
185 14.1 11.1 16.7
183 9.6 10.6 16.0#



#78
Terphenyl-d14
Concen: 101.931 ng
RT: 20.04 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Tgt Ion:244 Resp: 1763674
Ion Ratio Lower Upper
244 100
212 9.7 5.8 8.8#
122 6.7 7.0 10.4#

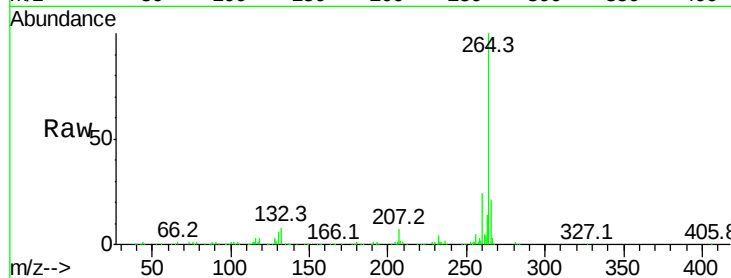




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3683
Delta R.T. -0.03 min
Lab File: BG035198.D
Acq: 16 Jun 2018 8:36

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	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

