

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\
 Data File : BG035398.D
 Acq On : 26 Jun 2018 5:10
 Operator : JU/SJ
 Sample : J3684-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 26 06:44:10 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

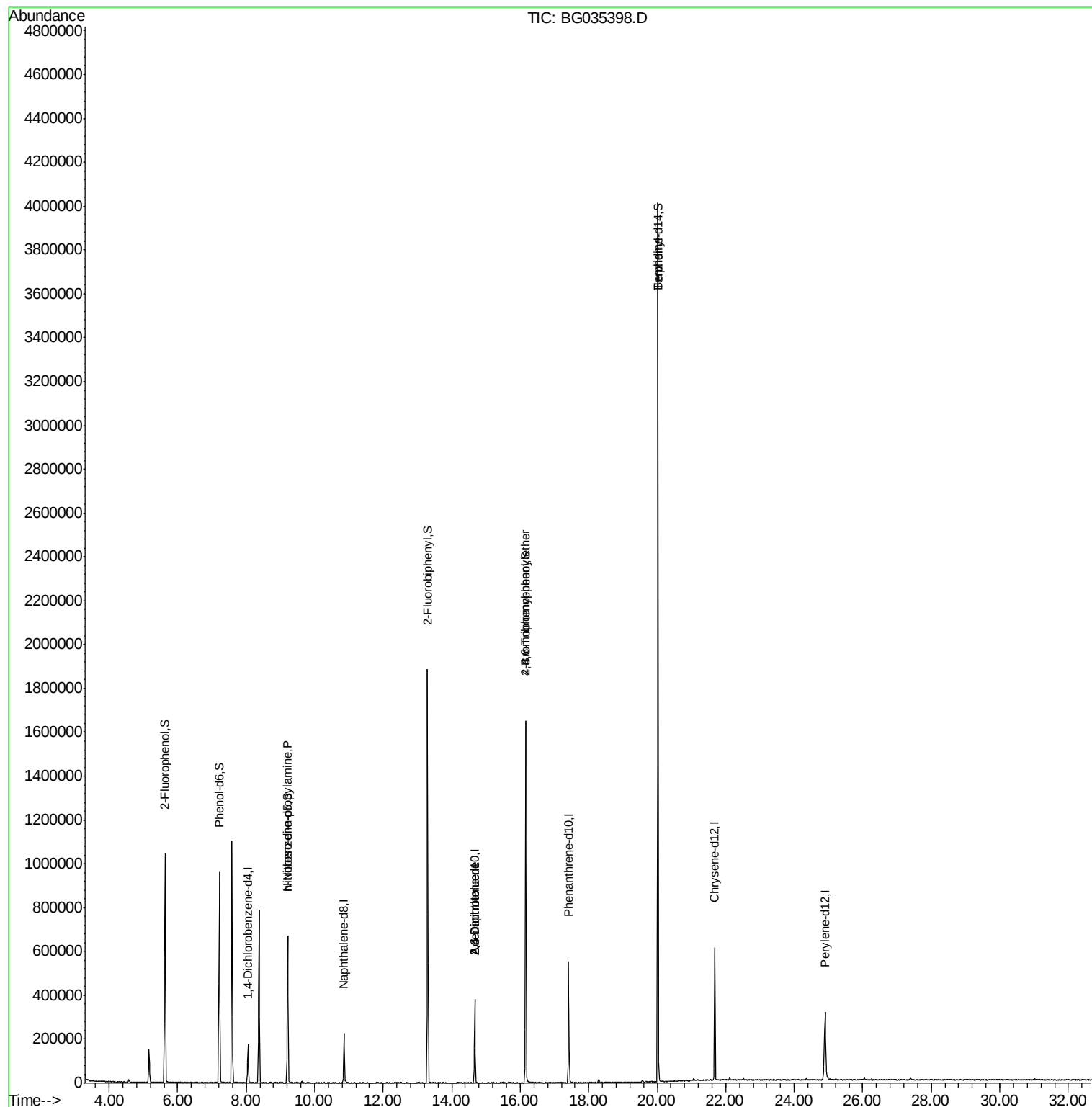
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	49828	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	187295	20.00	ng	-0.03
38) Acenaphthene-d10	14.67	164	134560	20.00	ng	-0.03
63) Phenanthrene-d10	17.41	188	362200	20.00	ng	-0.03
75) Chrysene-d12	21.68	240	398113	20.00	ng	-0.04
86) Perylene-d12	24.90	264	357963	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	438052	148.36	ng	-0.01
7) Phenol-d6	7.22	99	590757	135.56	ng	0.00
23) Nitrobenzene-d5	9.21	82	445204	112.99	ng	-0.03
41) 2,4,6-Tribromophenol	16.16	330	319609	185.55	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1006533	97.24	ng	-0.03
78) Terphenyl-d14	20.02	244	1874197	98.61	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.21	70	61629	16.646	ng	# 65
50) 2,6-Dinitrotoluene	14.66	165	17564	8.205	ng	# 18
56) 2,4-Dinitrotoluene	14.66	165	17564	6.177	ng	# 16
66) 4-Bromophenyl-phenylether	16.16	248	25003	5.732	ng	# 1
76) Benzidine	20.02	184	32657	2.205	ng	# 91

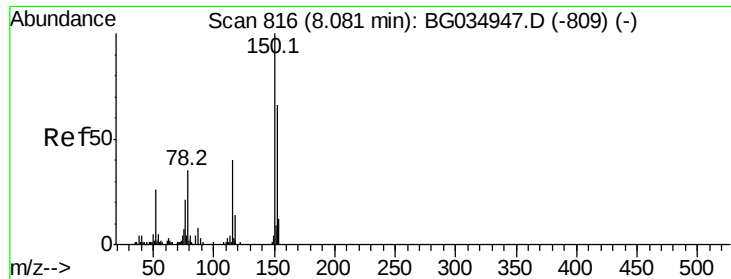
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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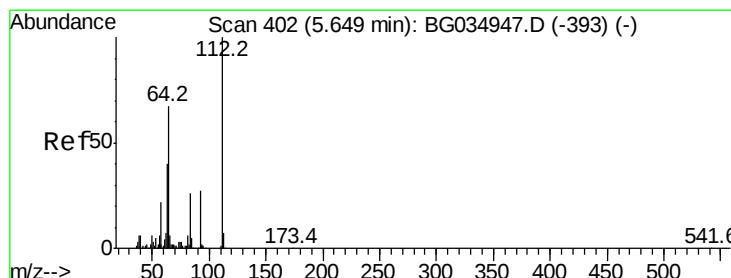
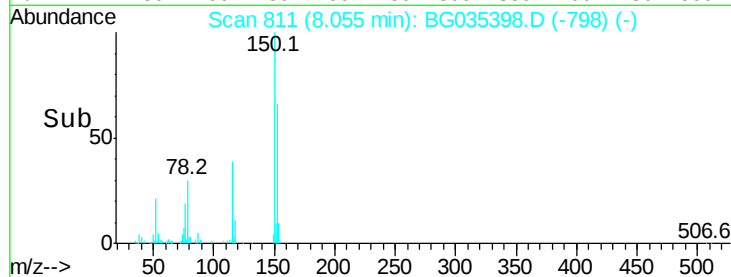
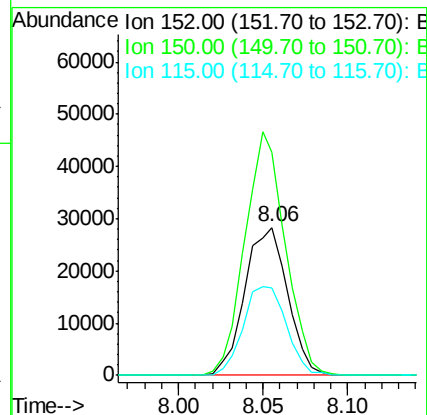
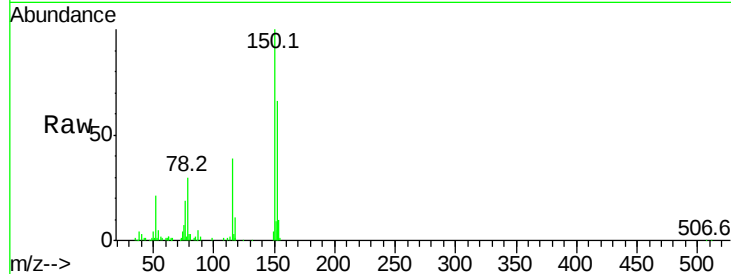


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 811
Delta R.T. -0.02 min
Lab File: BG035398.D
Acq: 26 Jun 2018 5:10

Instrument :
BNA_G
ClientSampleId :

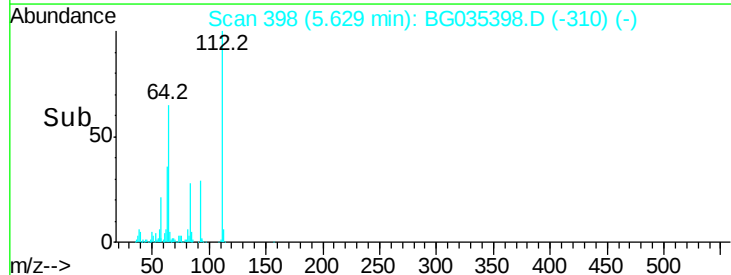
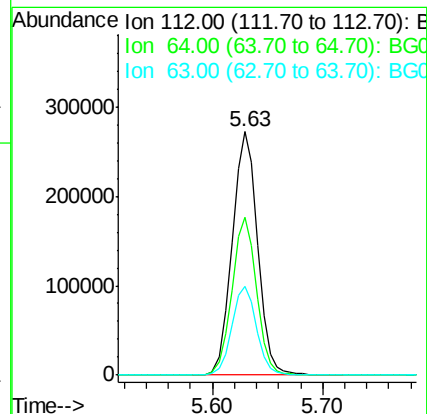
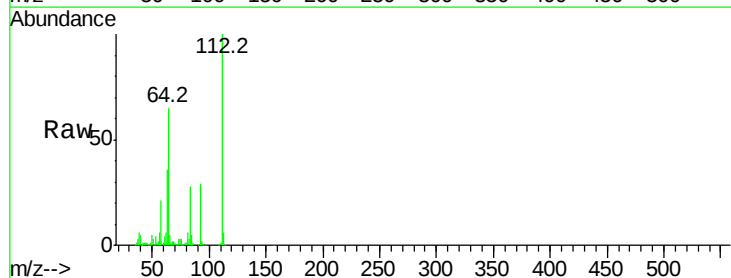
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.6	189.8
115	58.9	53.0	79.4

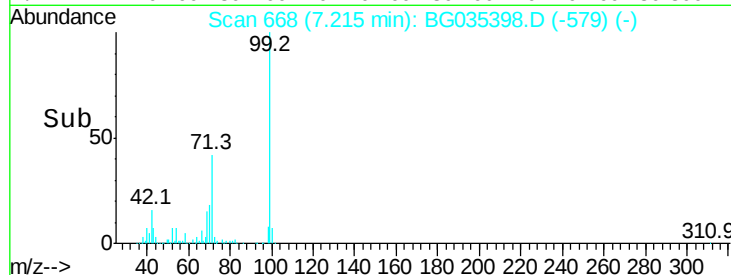
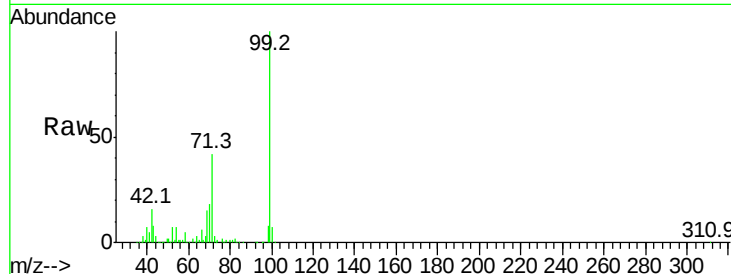
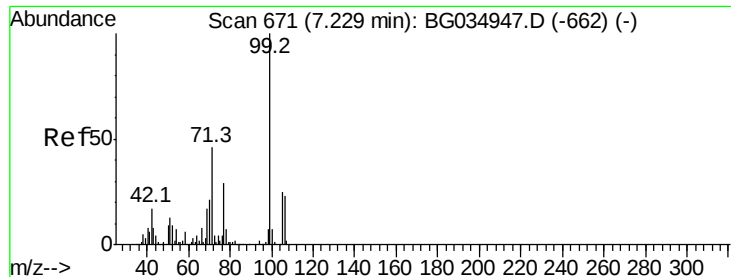


#5

2-Fluorophenol
Concen: 148.362 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.01 min
Lab File: BG035398.D
Acq: 26 Jun 2018 5:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	56.3	84.5
63	36.5	30.1	45.1





#7

Phenol-d6

Concen: 135.562 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA_G

ClientSampleId :

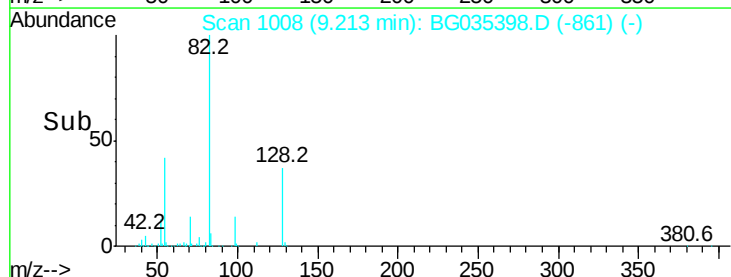
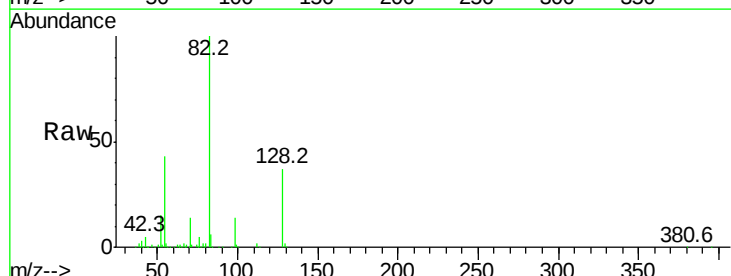
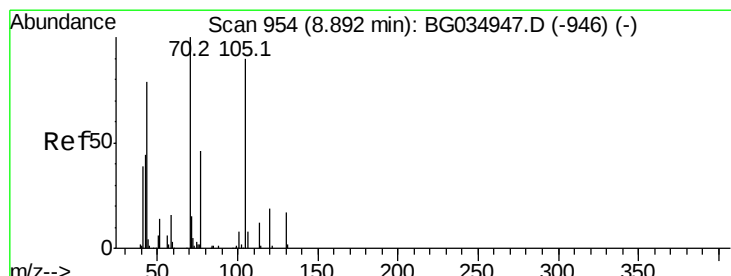
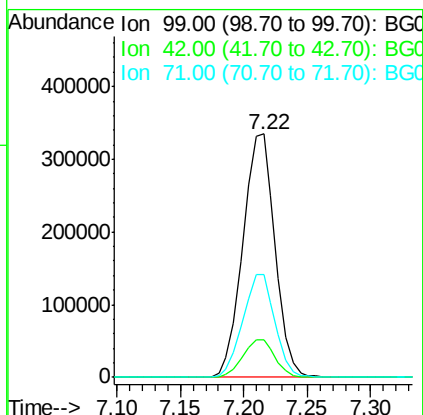
Tot Ion: 99 Resp: 590757

Ion Ratio Lower Upper

99 100

42 15.6 14.1 21.1

71 42.3 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.646 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.33 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Tgt Ion: 70 Resp: 61629

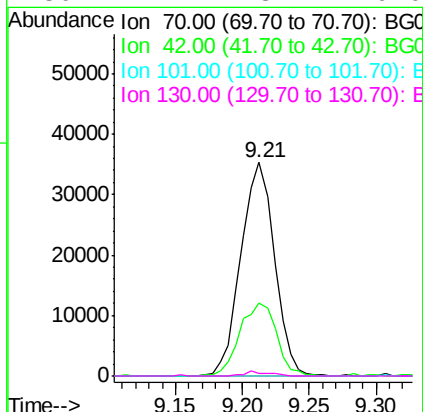
Ion Ratio Lower Upper

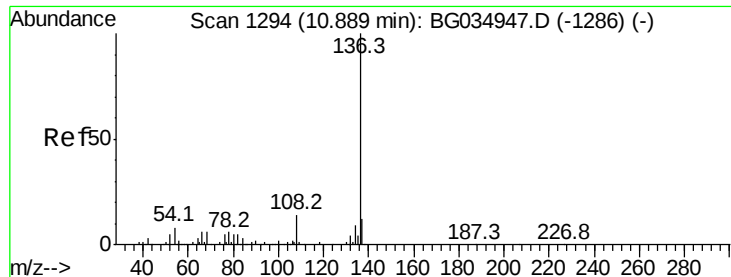
70 100

42 34.4 49.1 73.7#

101 0.0 8.5 12.7#

130 1.1 13.4 20.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 187295

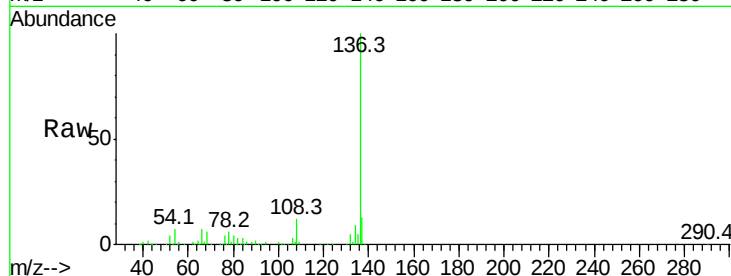
Ion Ratio Lower Upper

136 100

137 12.7 9.2 13.8

54 6.8 10.3 15.5#

68 5.5 4.5 6.7

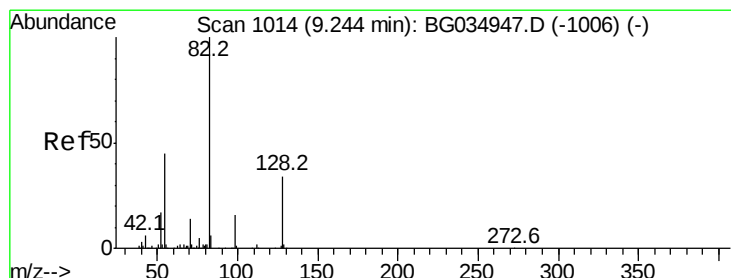
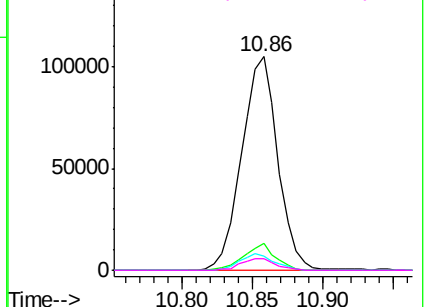
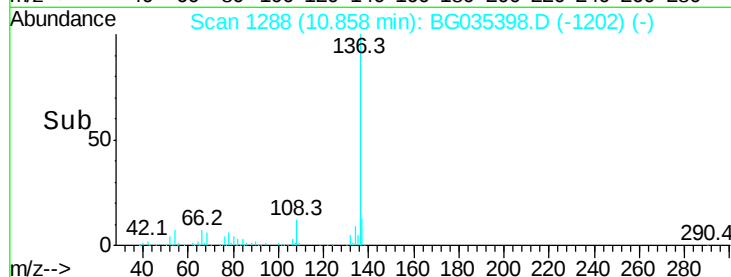


Abundance Ion 136.00 (135.70 to 136.70): E

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: 112.990 ng

RT: 9.21 min Scan# 1008

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

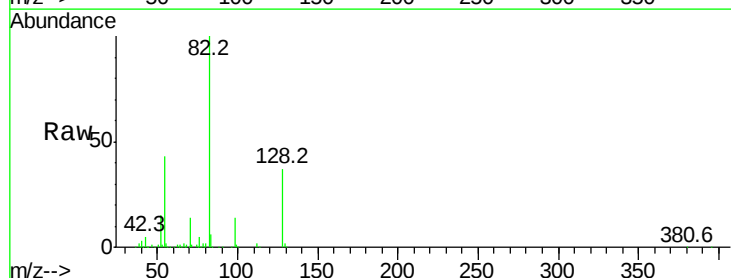
Tgt Ion: 82 Resp: 445204

Ion Ratio Lower Upper

82 100

128 36.7 29.7 44.5

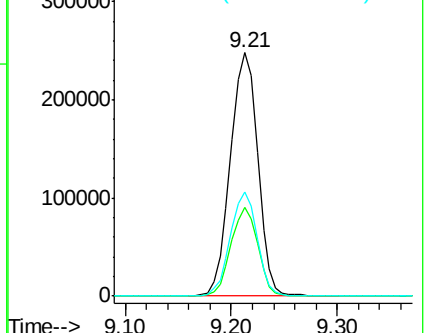
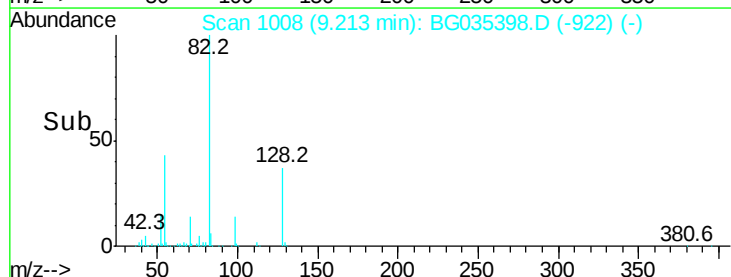
54 42.8 43.1 64.7#

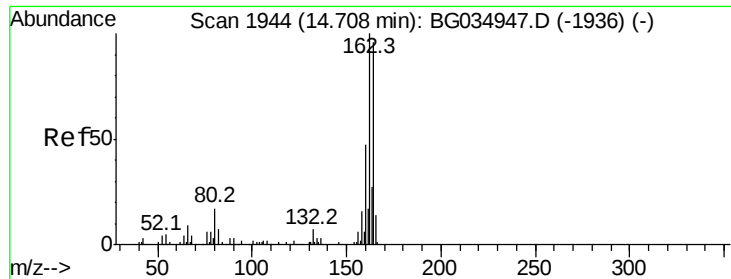


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 14.67 min Scan# 1937

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

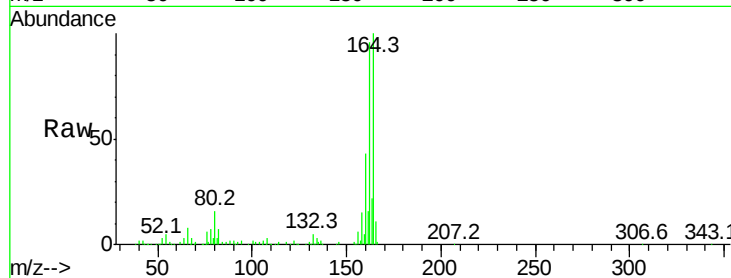
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 134560

Ion	Ratio	Lower	Upper
164	100		
162	95.5	78.8	118.2
160	42.9	35.4	53.0

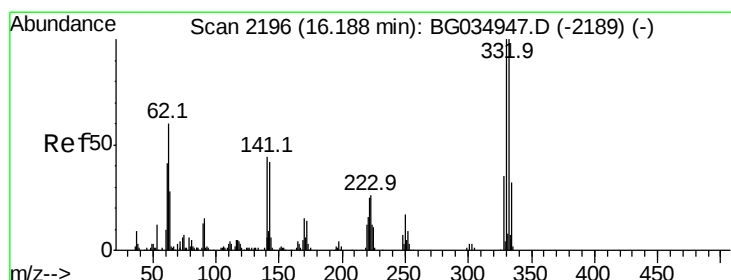
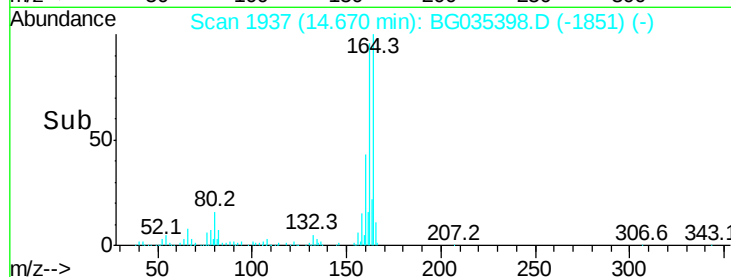
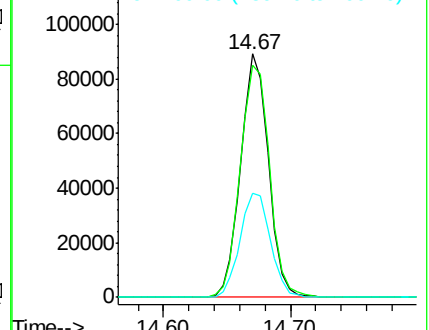


Abundance

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: 185.545 ng

RT: 16.16 min Scan# 2191

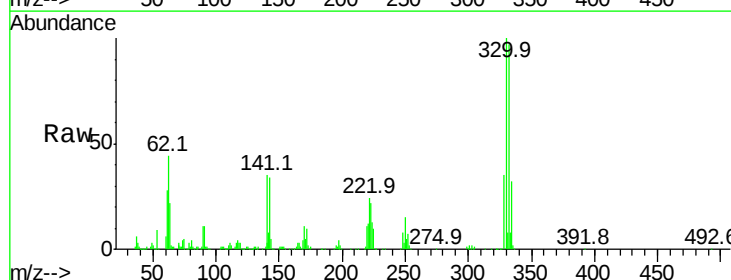
Delta R.T. -0.02 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Tgt Ion:330 Resp: 319609

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	37.2	25.2	37.8

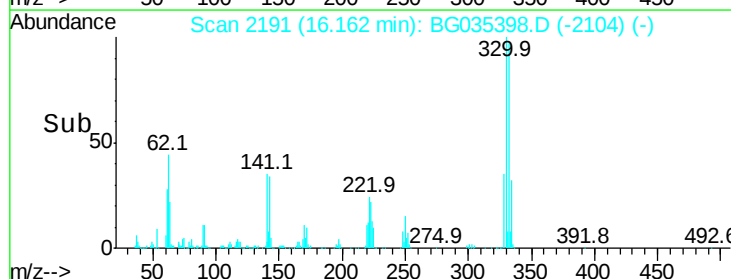
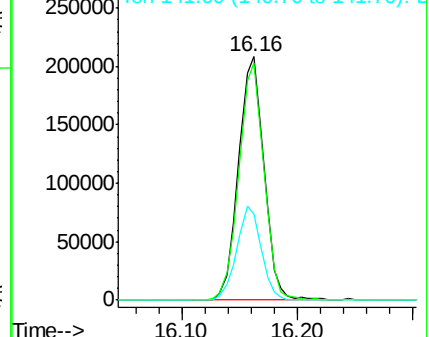


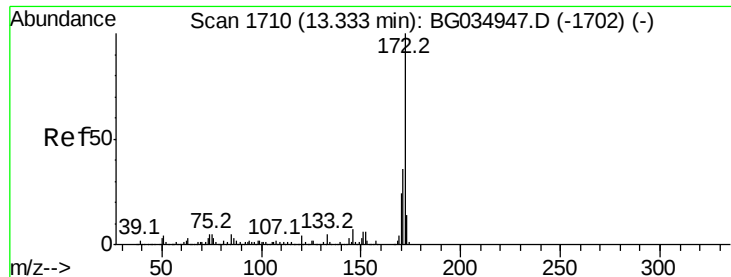
Abundance

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

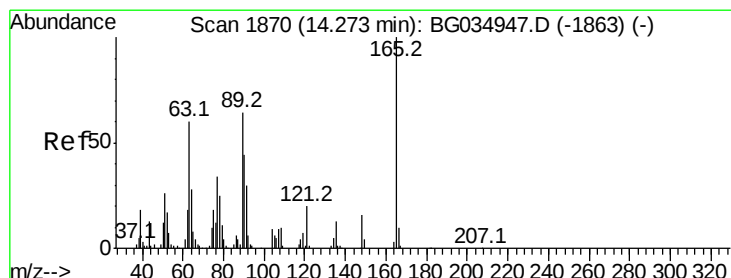
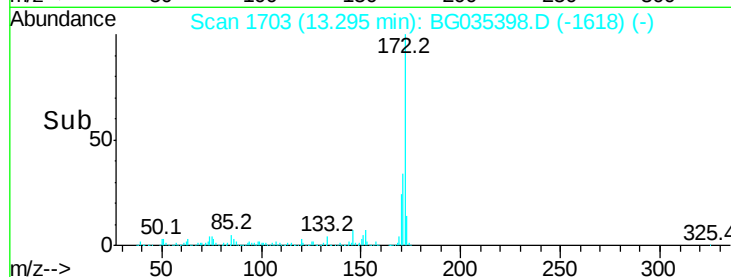
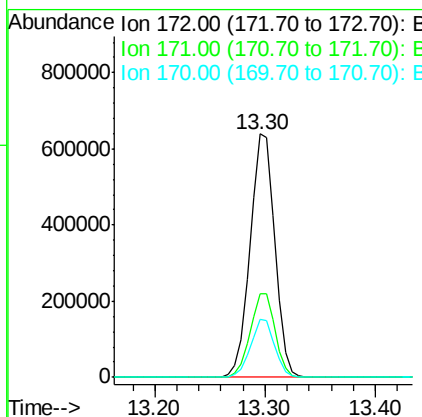
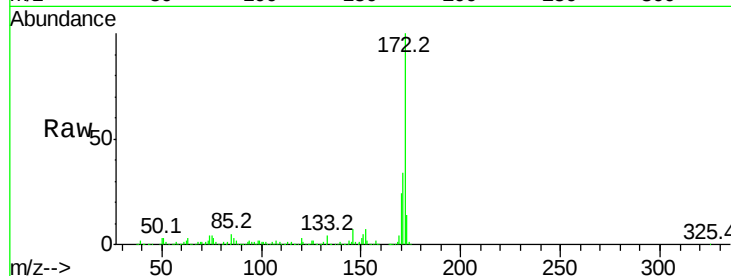




#44
2-Fluorobiphenyl
Concen: 97.242 ng
RT: 13.30 min Scan# 1703
Delta R.T. -0.03 min
Lab File: BG035398.D
Acq: 26 Jun 2018 5:10

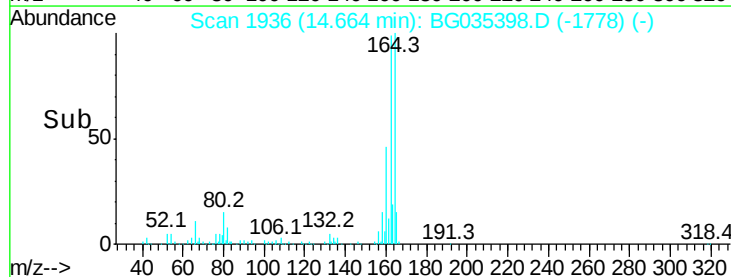
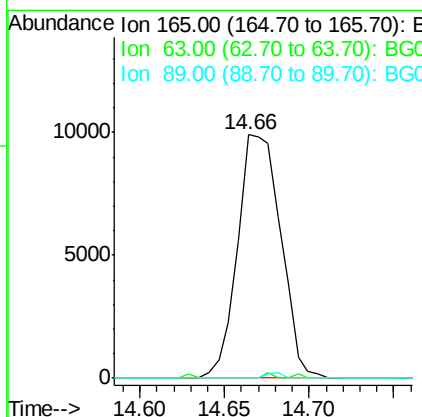
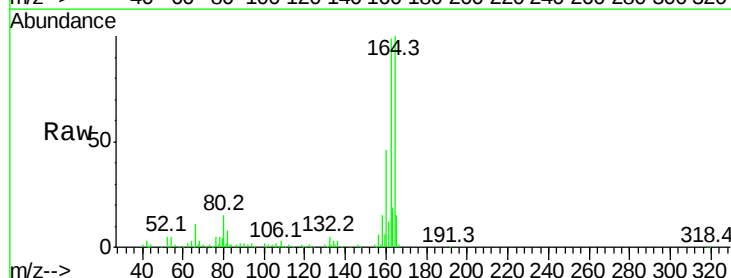
Instrument :
BNA_G
ClientSampleId :

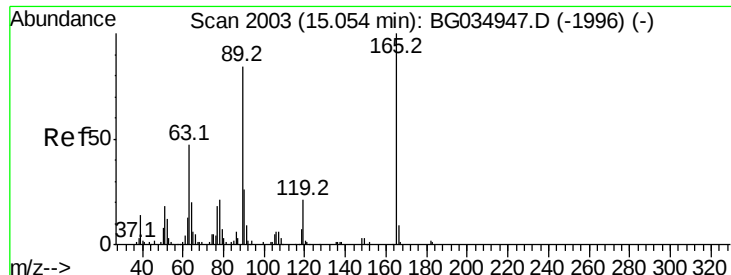
Tot Ion:172 Resp: 1006533
Ion Ratio Lower Upper
172 100
171 34.2 30.0 45.0
170 24.1 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 8.205 ng
RT: 14.66 min Scan# 1936
Delta R.T. 0.40 min
Lab File: BG035398.D
Acq: 26 Jun 2018 5:10

Tgt Ion:165 Resp: 17564
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: 6.177 ng

RT: 14.66 min Scan# 1936

Delta R.T. -0.38 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17564

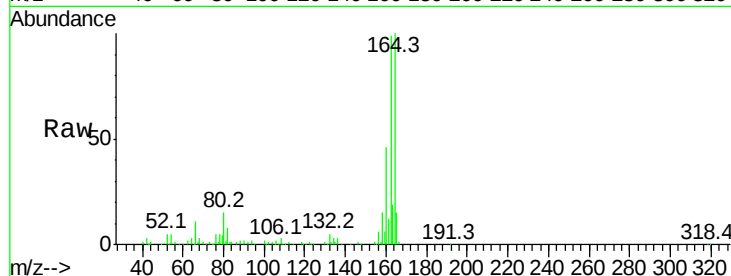
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

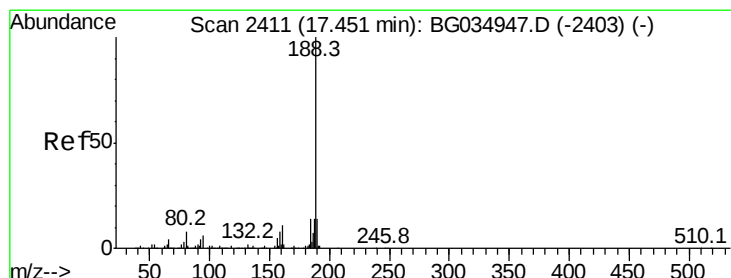
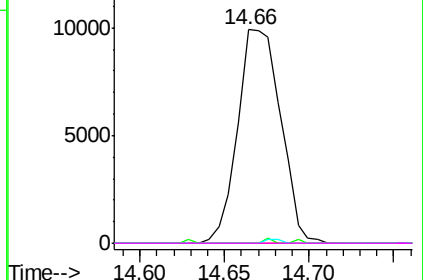
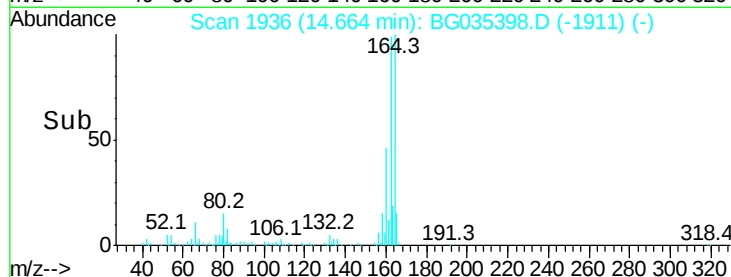


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.41 min Scan# 2404

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

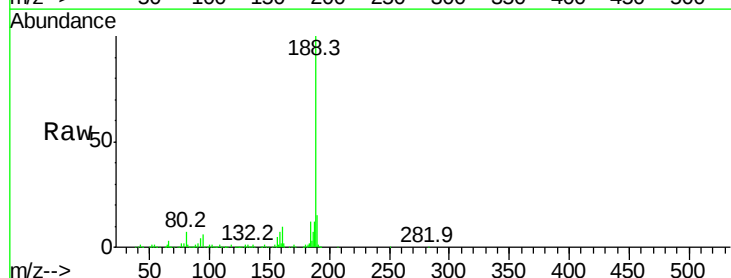
Tgt Ion:188 Resp: 362200

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

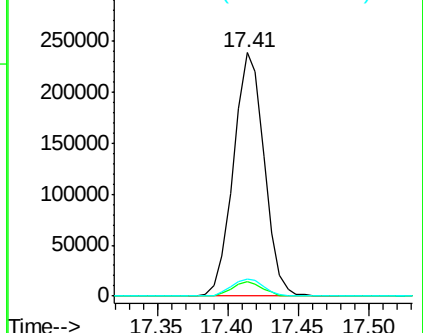
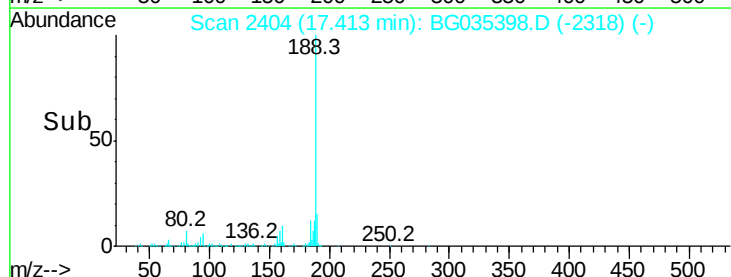
80 7.2 7.7 11.5#

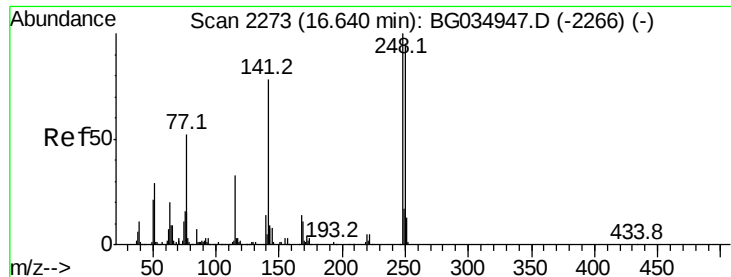


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

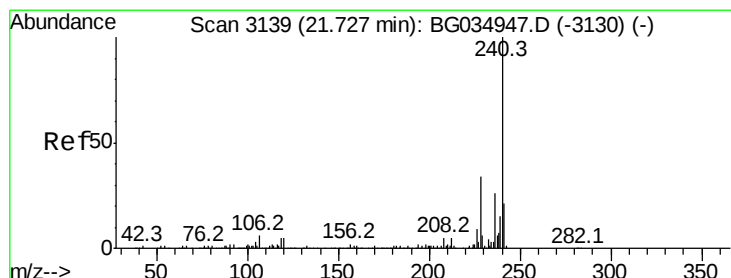
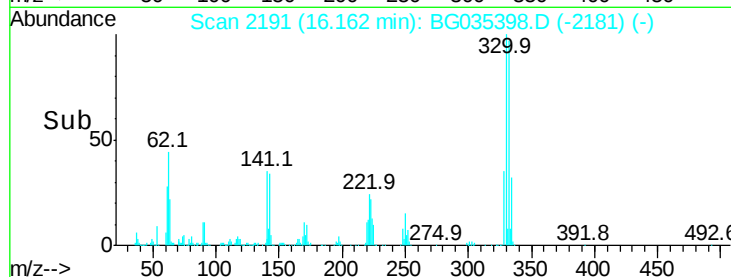
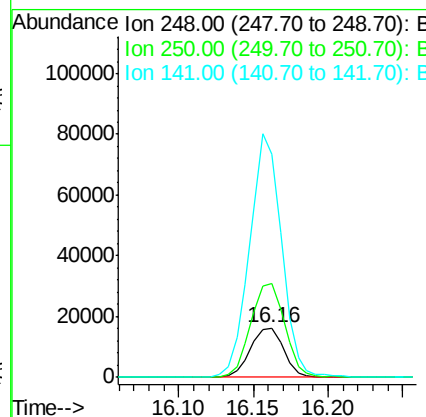
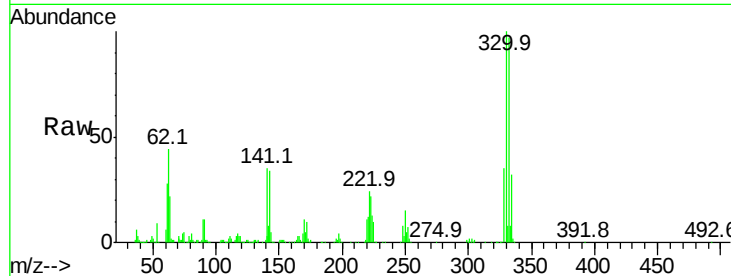




#66
 4-Bromophenyl-phenylether
 Concen: 5.732 ng
 RT: 16.16 min Scan# 2191
 Delta R.T. -0.47 min
 Lab File: BG035398.D
 Acq: 26 Jun 2018 5:10

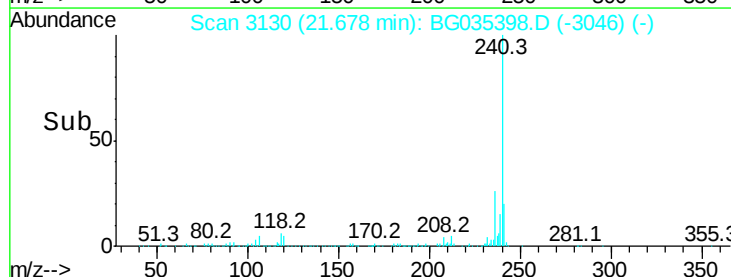
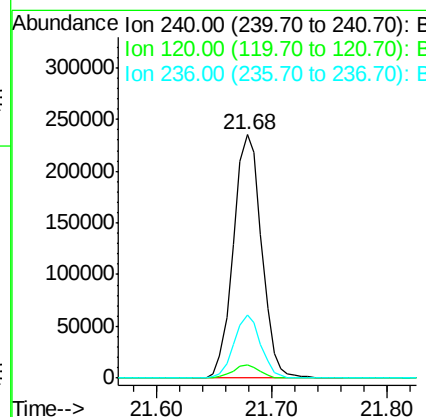
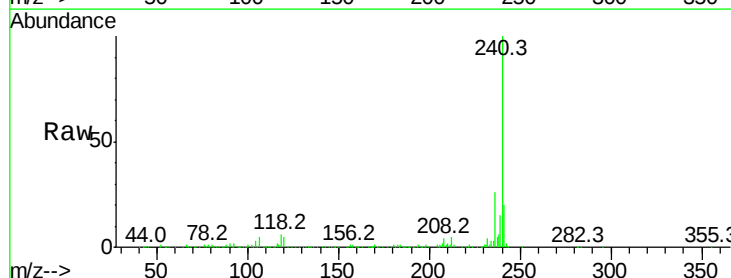
Instrument :
 BNA_G
 ClientSampleId :

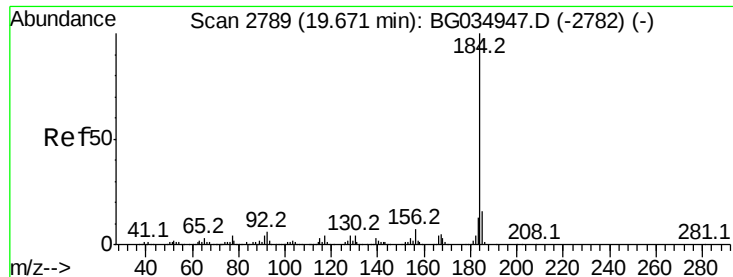
Tot Ion:248 Resp: 25003
 Ion Ratio Lower Upper
 248 100
 250 189.1 77.1 115.7#
 141 449.6 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3130
 Delta R.T. -0.04 min
 Lab File: BG035398.D
 Acq: 26 Jun 2018 5:10

Tgt Ion:240 Resp: 398113
 Ion Ratio Lower Upper
 240 100
 120 5.3 6.8 10.2#
 236 26.0 20.9 31.3





#76

Benzidine

Concen: 2.205 ng

RT: 20.02 min Scan# 2848

Delta R.T. 0.36 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA_G

ClientSampleId :

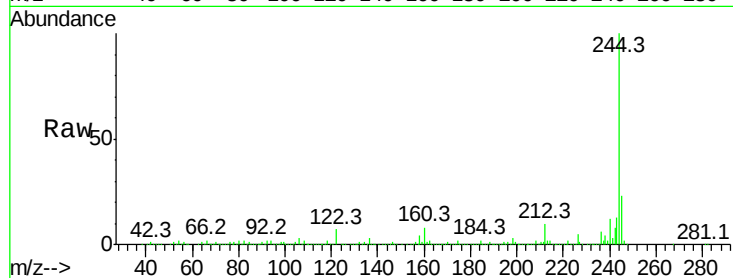
Tot Ion:184 Resp: 32657

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

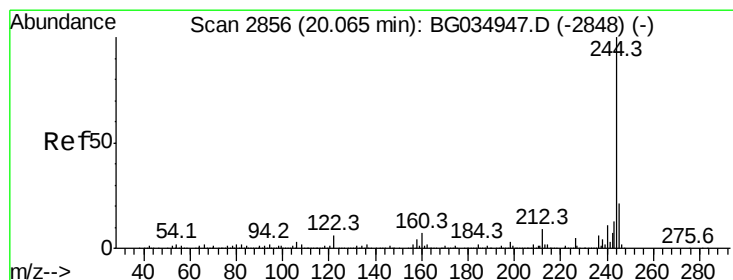
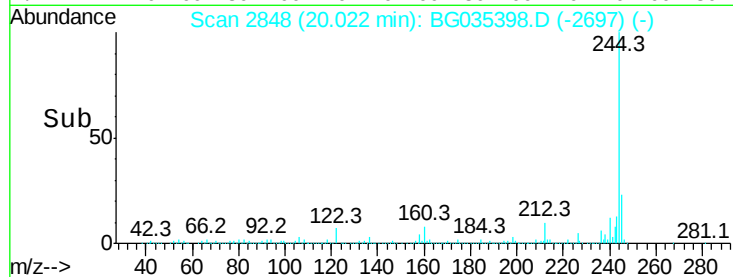
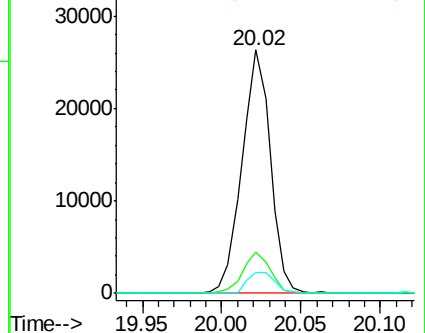
183 8.6 10.6 16.0#



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: 98.611 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

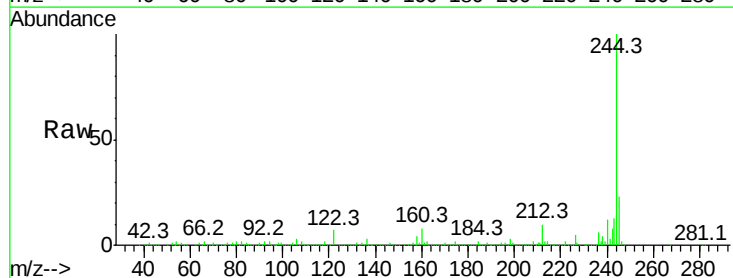
Tgt Ion:244 Resp: 1874197

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

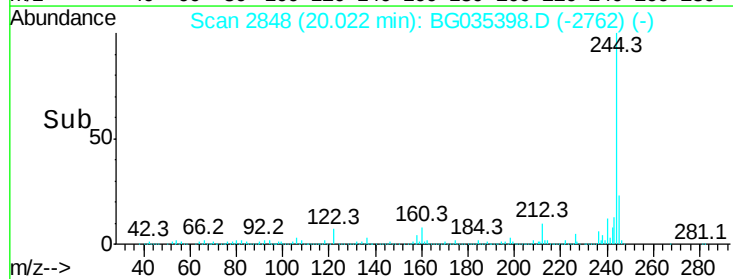
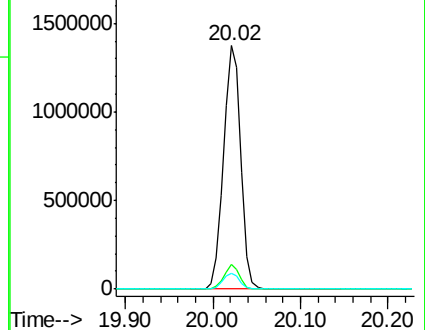
122 6.7 7.0 10.4#

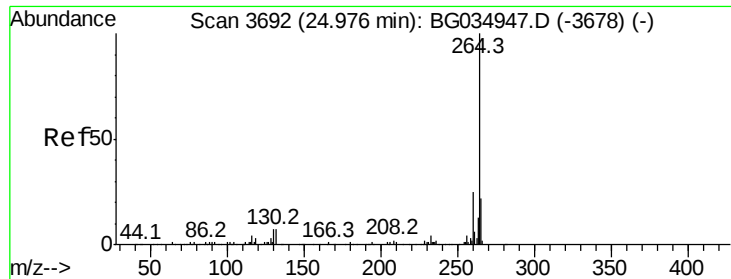


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

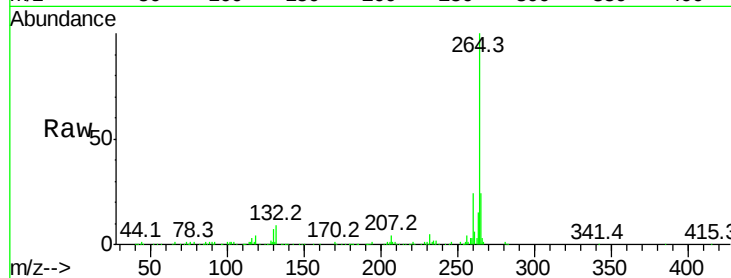




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3678
Delta R.T. -0.06 min
Lab File: BG035398.D
Acq: 26 Jun 2018 5:10

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	23.9	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

