

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061818\
 Data File : BG035233.D
 Acq On : 19 Jun 2018 1:40
 Operator : SJ/JU
 Sample : J3508-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 07:19:33 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

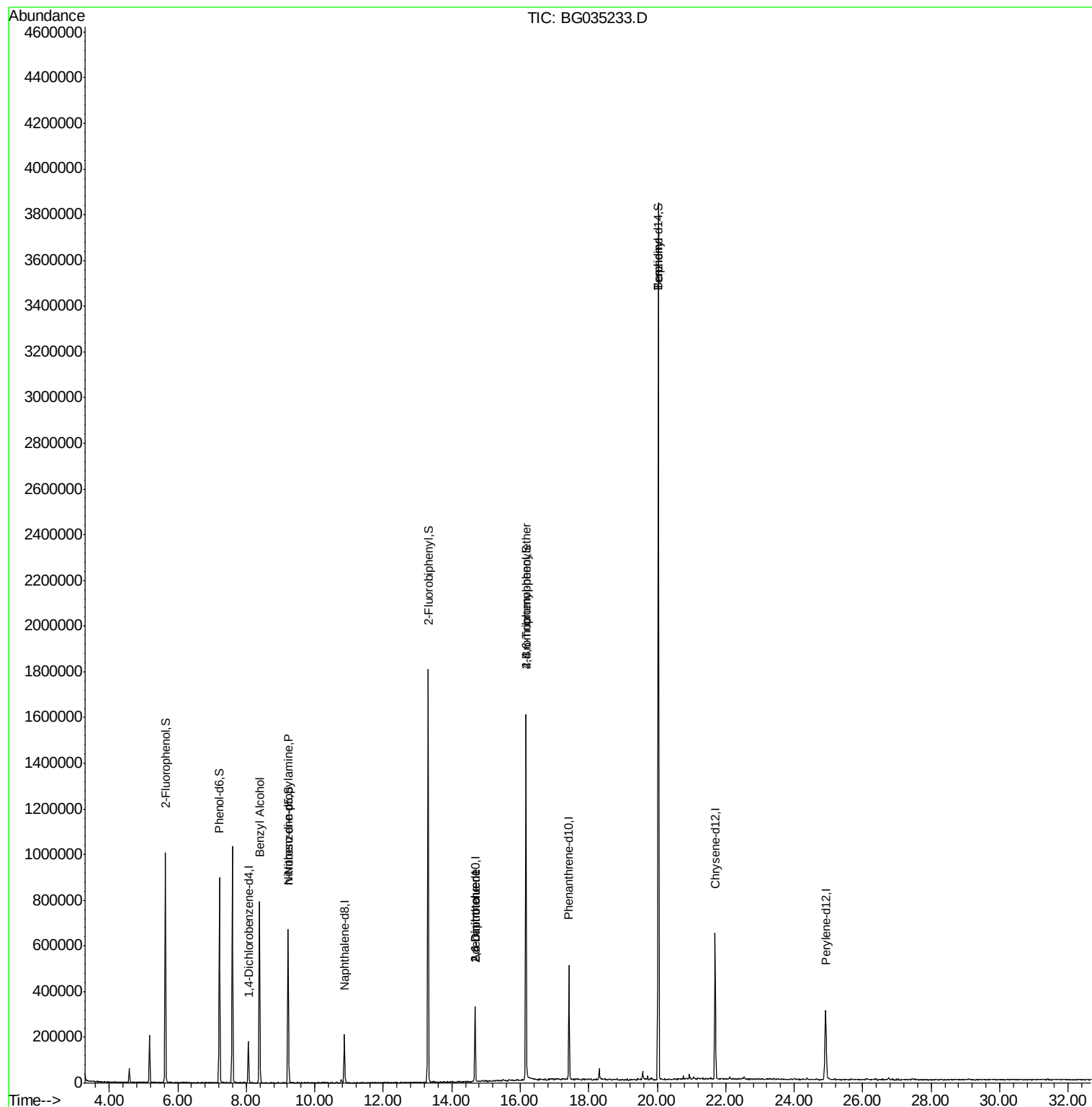
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50745	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	178676	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	118834	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	318101	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	395013	20.00	ng	-0.02
86) Perylene-d12	24.92	264	345179	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	423257	140.76	ng	0.00
7) Phenol-d6	7.22	99	542114	122.15	ng	0.00
23) Nitrobenzene-d5	9.22	82	442018	117.59	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	301972	198.51	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	984039	107.65	ng	-0.02
78) Terphenyl-d14	20.04	244	1896108	100.55	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.38	79	8540	2.031	ng	# 57
19) n-Nitroso-di-n-propylamine	9.22	70	61505	16.312	ng	# 65
50) 2,6-Dinitrotoluene	14.68	165	16699	8.833	ng	# 20
56) 2,4-Dinitrotoluene	14.68	165	16699	6.649	ng	# 18
66) 4-Bromophenyl-phenylether	16.17	248	24588	6.419	ng	# 1
76) Benzidine	20.03	184	35405	2.409	ng	# 92

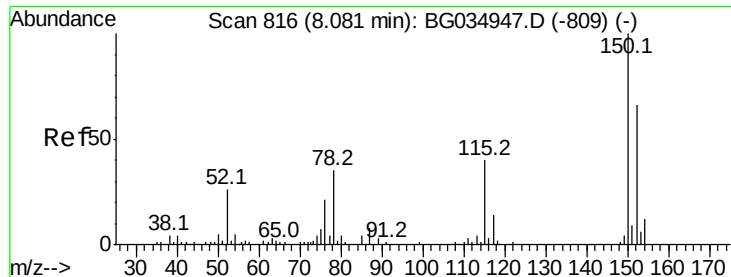
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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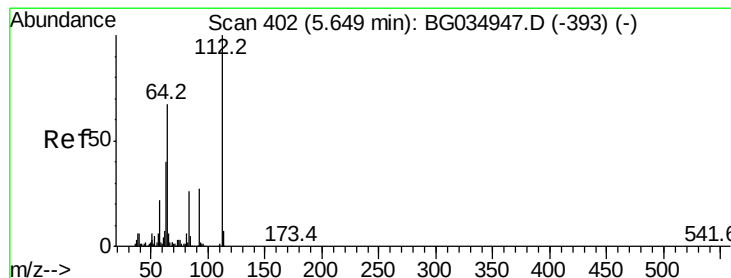
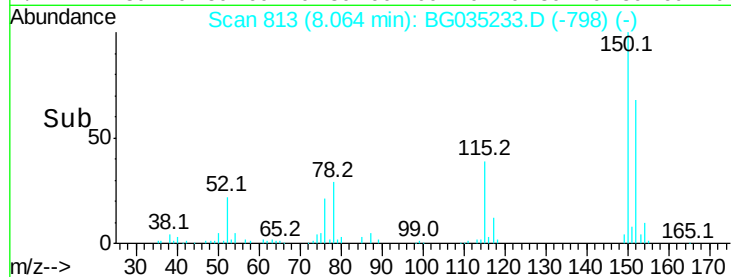
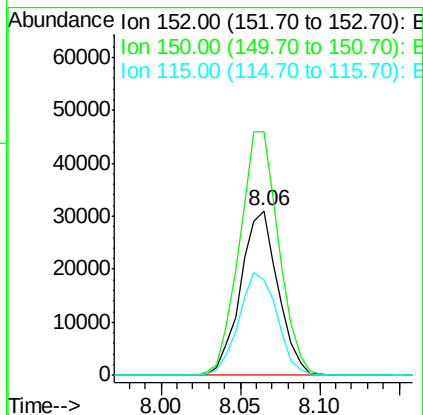
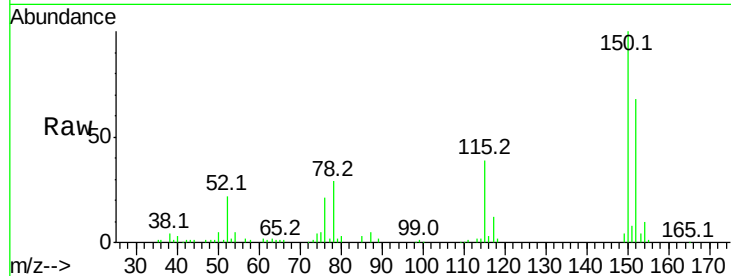


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG035233.D
 Acq: 19 Jun 2018 1:40

Instrument :
 BNA_G
 ClientSampled :

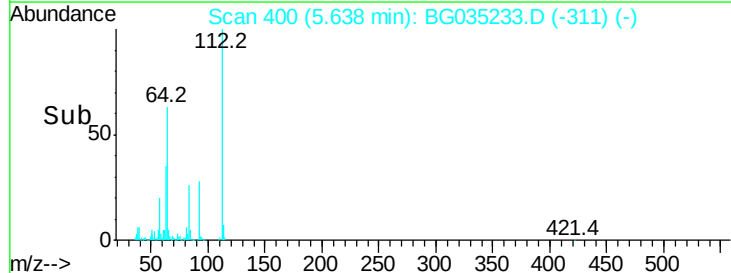
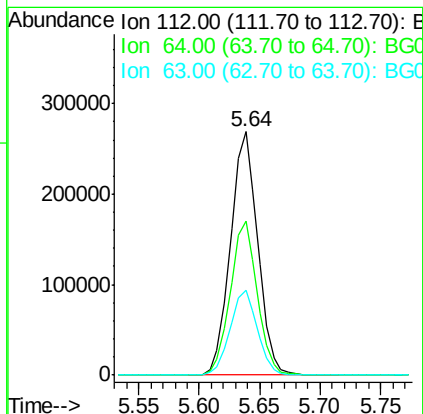
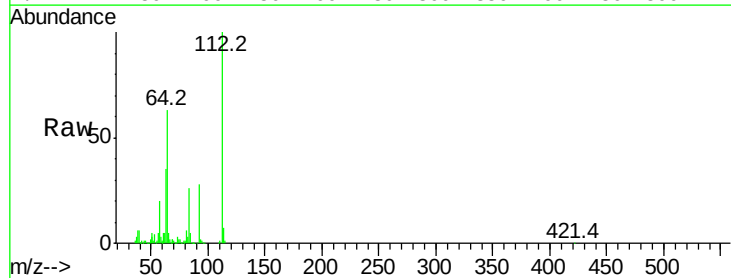
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	126.6	189.8
115	57.8	53.0	79.4

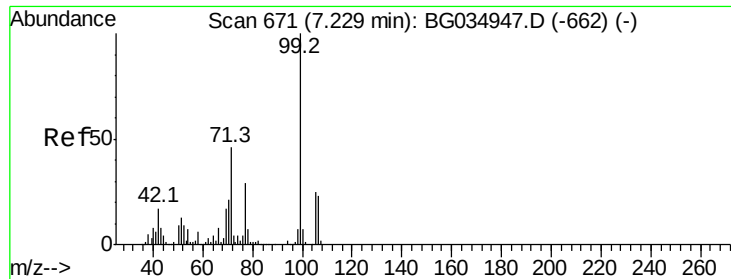


#5

2-Fluorophenol
 Concen: 140.761 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG035233.D
 Acq: 19 Jun 2018 1:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	56.3	84.5
63	35.1	30.1	45.1





#7

Phenol-d6

Concen: 122.152 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

Instrument :

BNA_G

ClientSampleId :

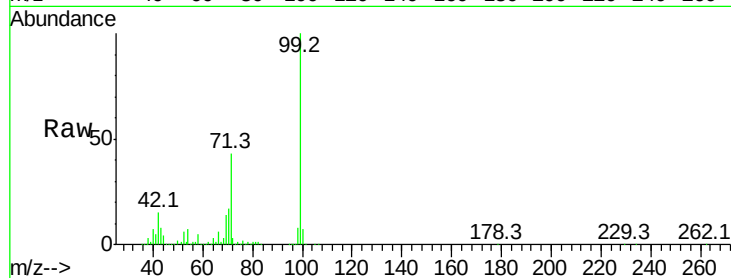
Tot Ion: 99 Resp: 542114

Ion Ratio Lower Upper

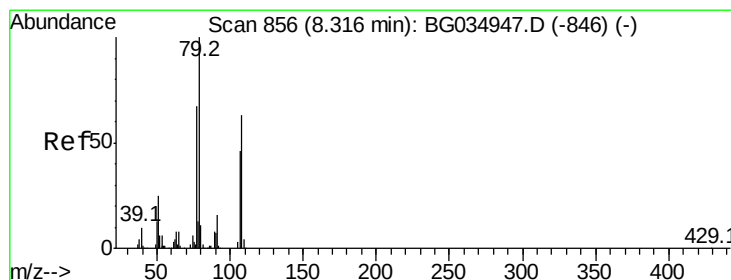
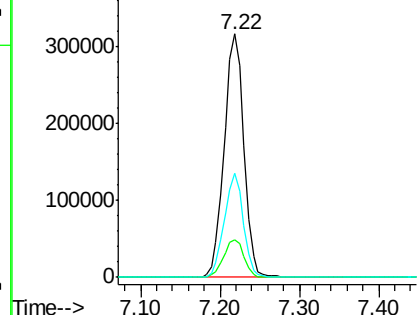
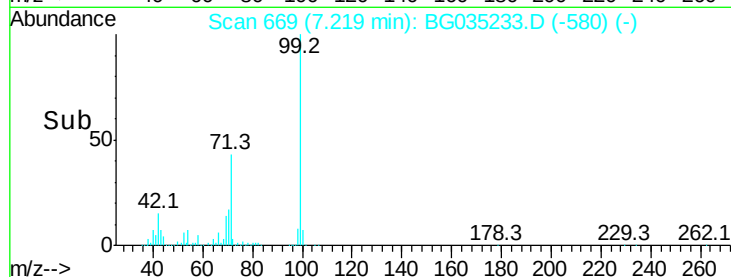
99 100

42 15.4 14.1 21.1

71 42.6 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



#15

Benzyl Alcohol

Concen: 2.031 ng

RT: 8.38 min Scan# 867

Delta R.T. 0.07 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

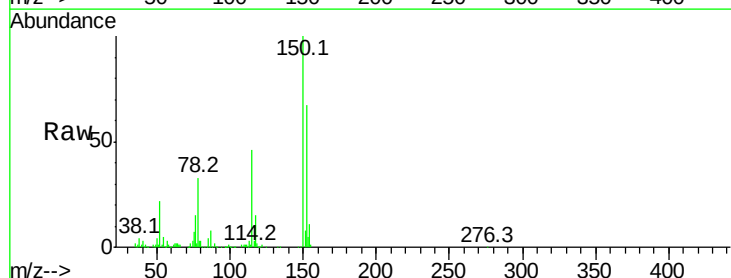
Tgt Ion: 79 Resp: 8540

Ion Ratio Lower Upper

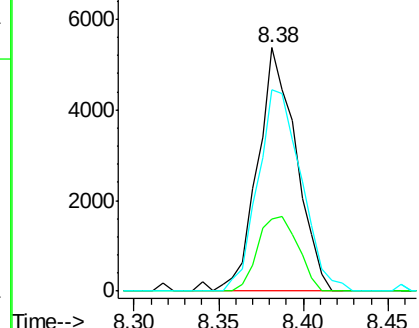
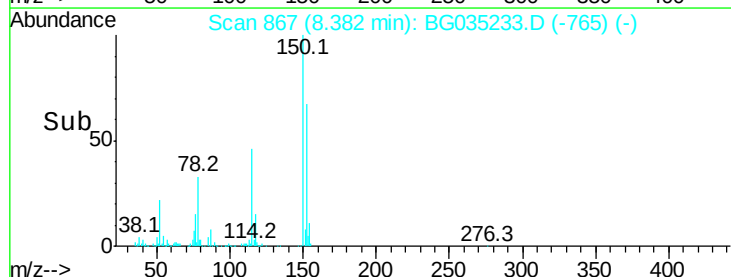
79 100

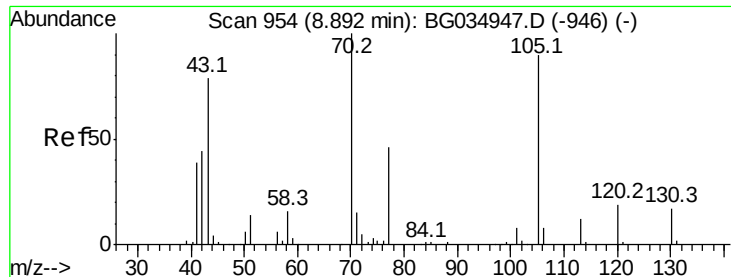
108 29.4 57.2 85.8#

77 82.9 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

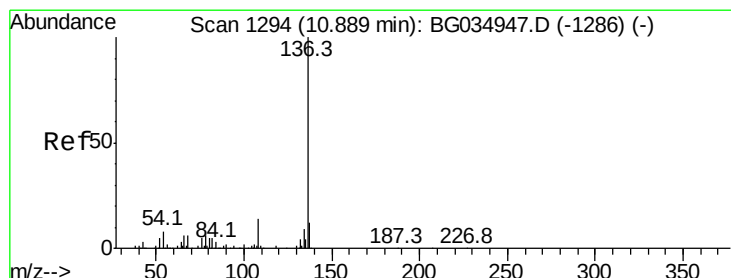
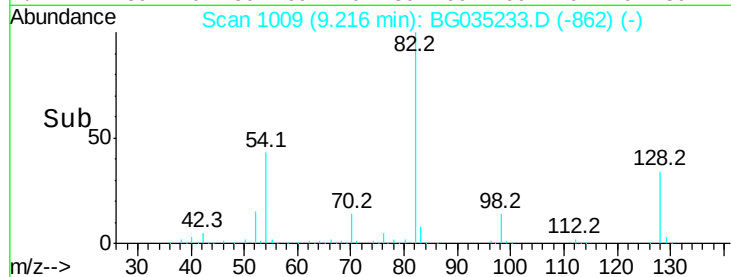
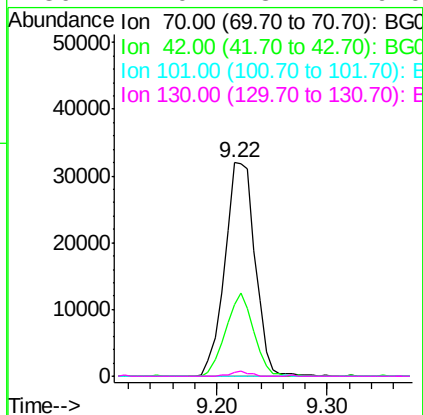
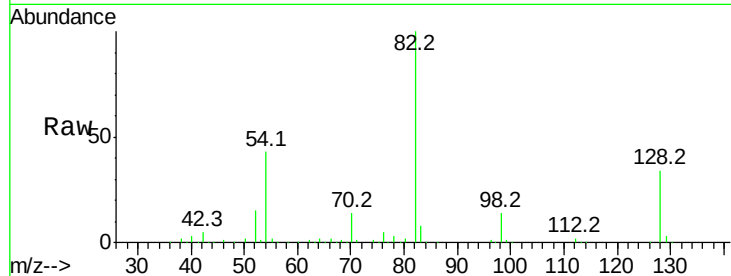




#19
n-Nitroso-di-n-propylamine
Concen: 16.312 ng
RT: 9.22 min Scan# 1009
Delta R.T. 0.33 min
Lab File: BG035233.D
Acq: 19 Jun 2018 1:40

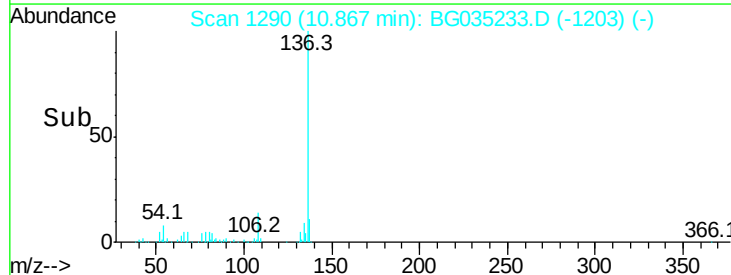
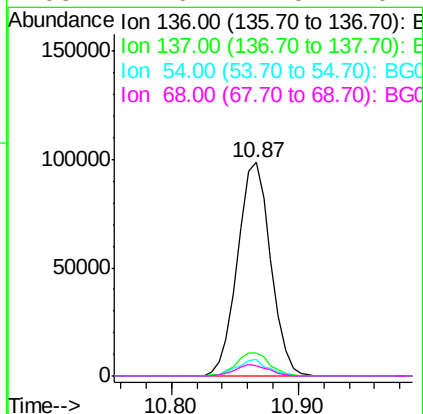
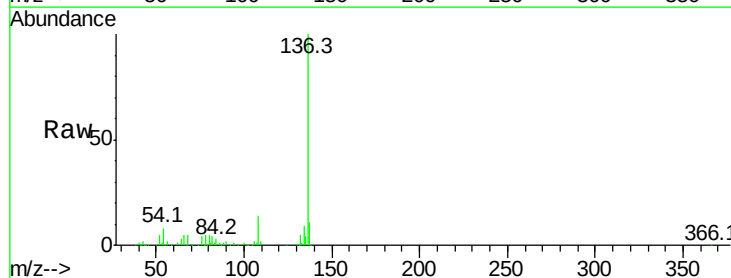
Instrument :
BNA_G
ClientSampleId :

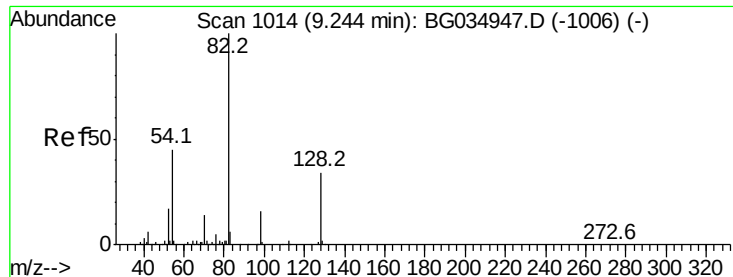
Tot Ion: 70 Resp: 61505
Ion Ratio Lower Upper
70 100
42 33.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035233.D
Acq: 19 Jun 2018 1:40

Tgt Ion: 136 Resp: 178676
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 7.9 10.3 15.5#
68 4.6 4.5 6.7

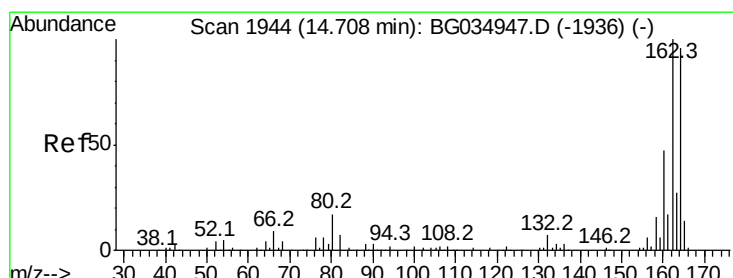
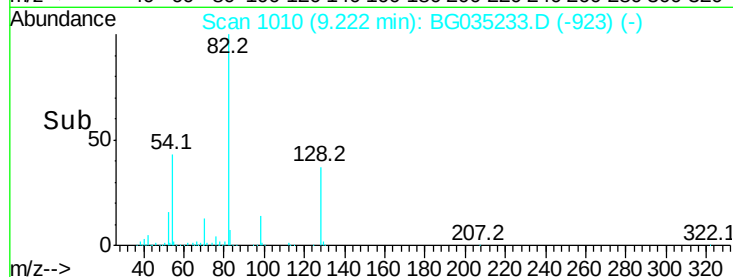
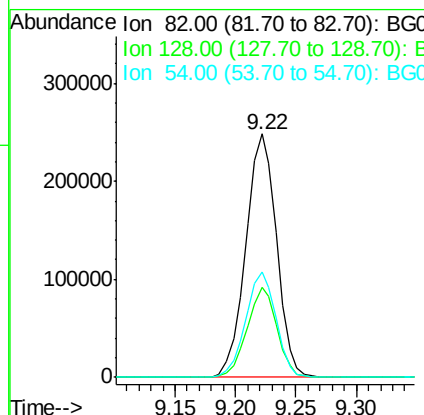
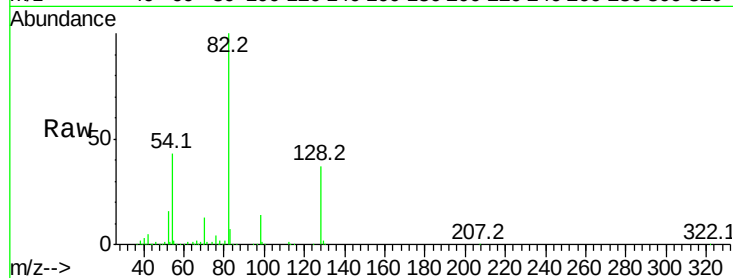




#23
Nitrobenzene-d5
Concen: 117.593 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035233.D
Acq: 19 Jun 2018 1:40

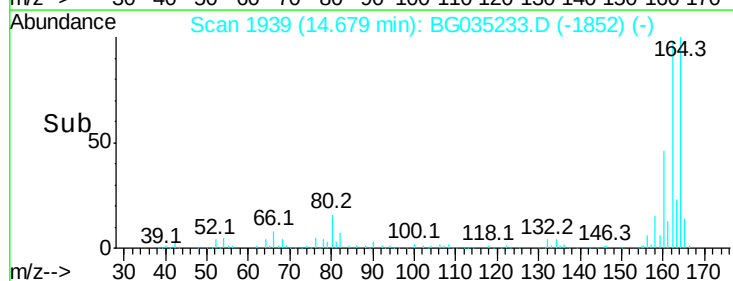
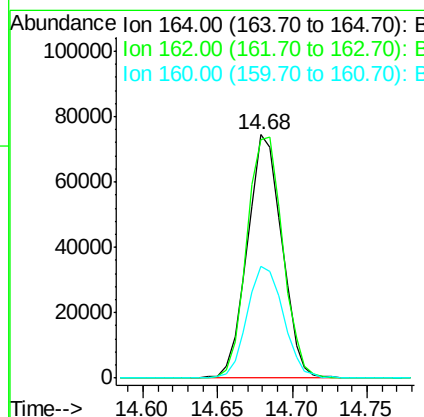
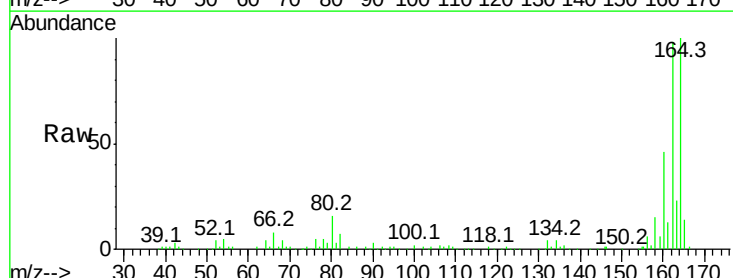
Instrument :
BNA_G
ClientSampleId :

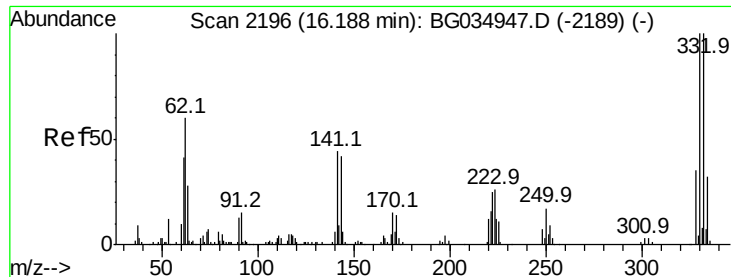
Tot Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.7	44.5
54	43.3	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1939
Delta R.T. -0.02 min
Lab File: BG035233.D
Acq: 19 Jun 2018 1:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.8	118.2
160	45.9	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 198.506 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

Instrument :

BNA_G

ClientSampleId :

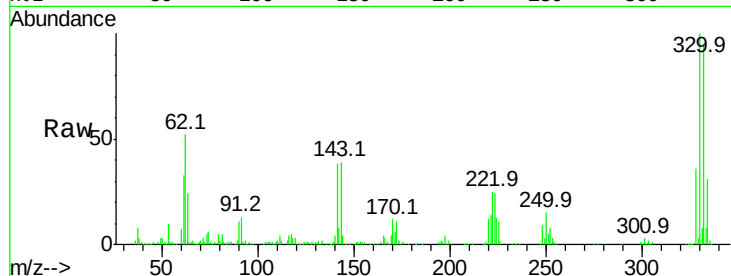
Tot Ion:330 Resp: 301972

Ion Ratio Lower Upper

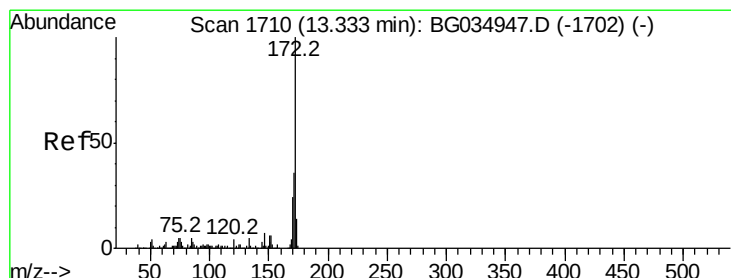
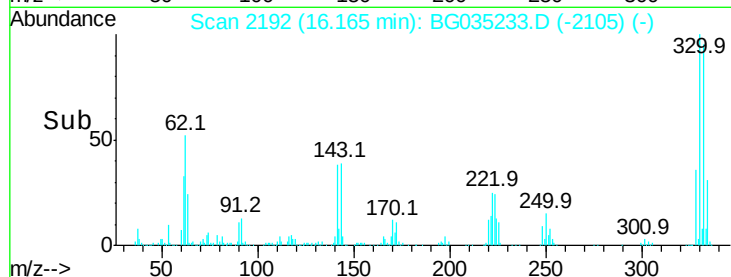
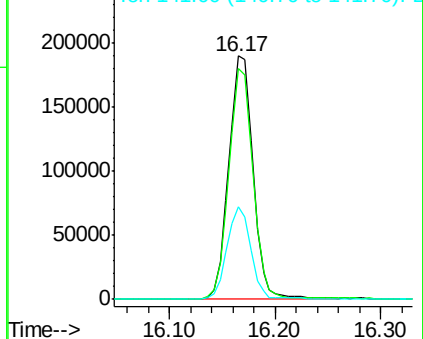
330 100

332 94.8 77.0 115.6

141 37.8 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: 107.650 ng

RT: 13.31 min Scan# 1706

Delta R.T. -0.02 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

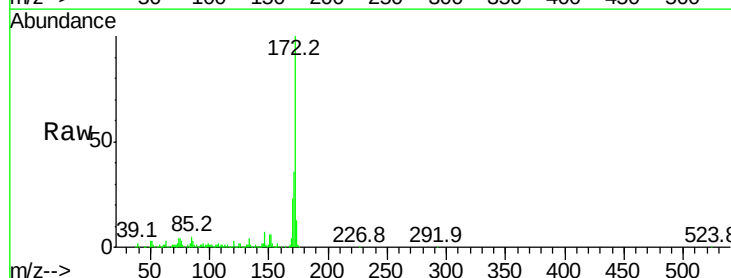
Tgt Ion:172 Resp: 984039

Ion Ratio Lower Upper

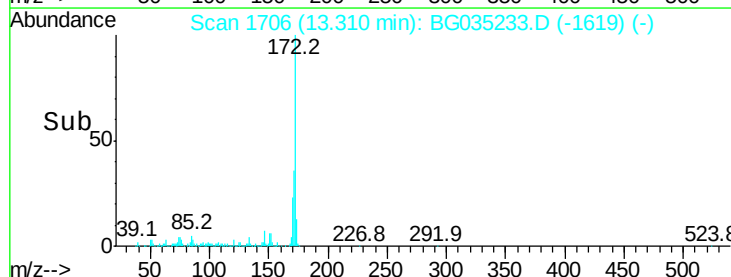
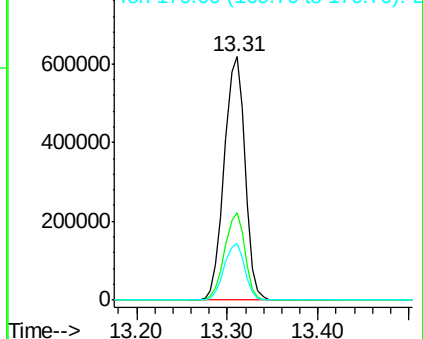
172 100

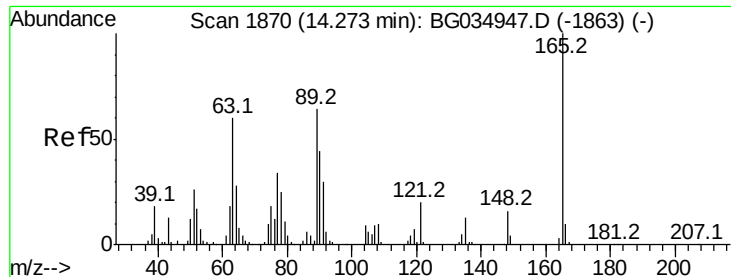
171 36.1 30.0 45.0

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

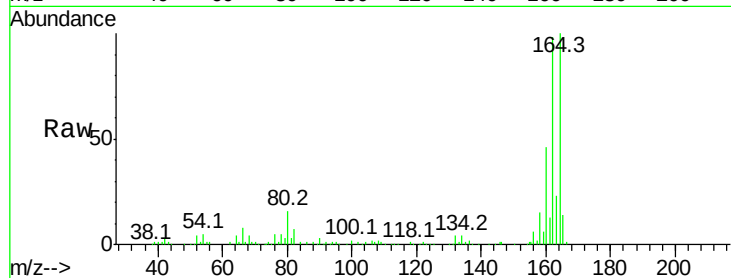




#50
 2,6-Dinitrotoluene
 Concen: 8.833 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035233.D
 Acq: 19 Jun 2018 1:40

Instrument :
 BNA_G
 ClientSampleId :

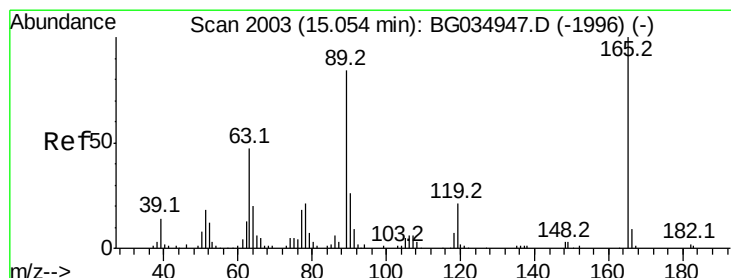
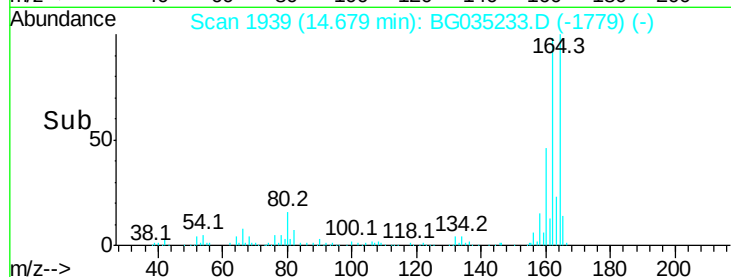
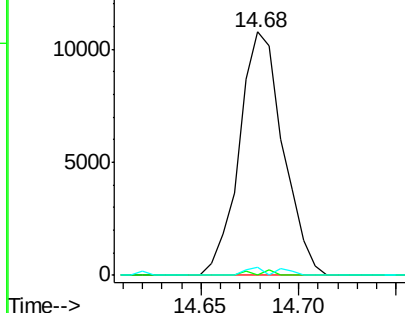
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.3	49.2	73.8#



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: 6.649 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035233.D
 Acq: 19 Jun 2018 1:40

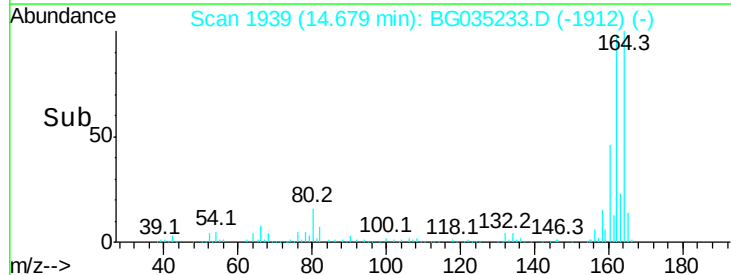
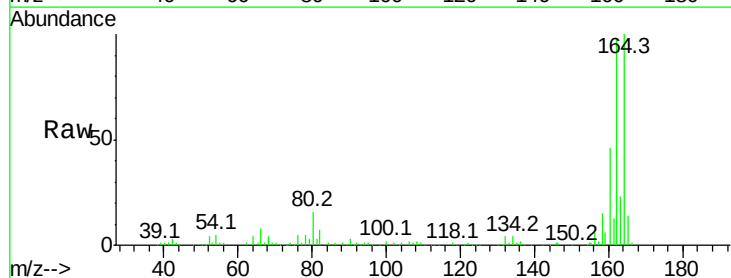
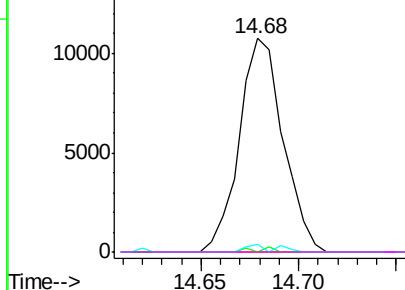
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.3	66.9	100.3#
182	0.0	2.6	3.8#

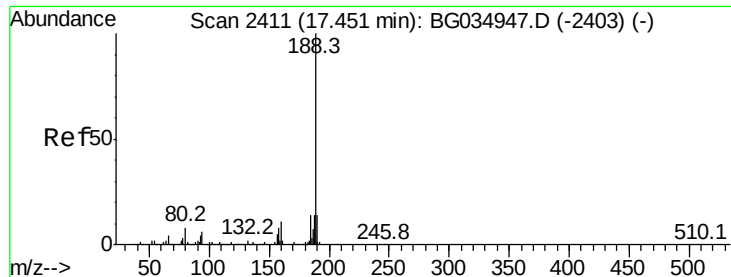
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035233.D

Acq: 19 Jun 2018 1:40

Instrument :

BNA_G

ClientSampled :

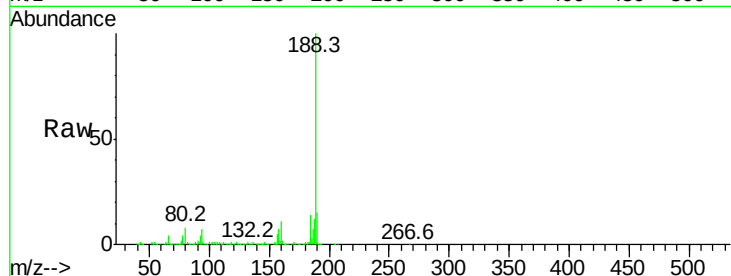
Tot Ion:188 Resp: 318101

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

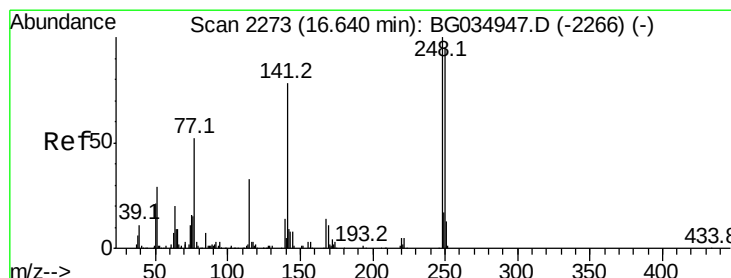
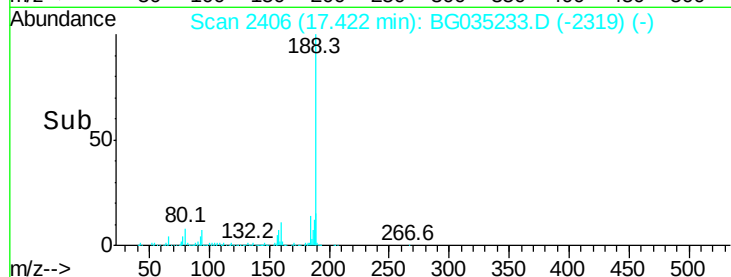
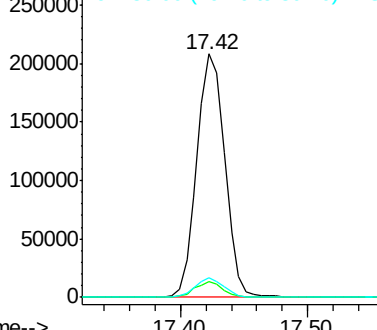
80 7.8 7.7 11.5



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: 6.419 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.47 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

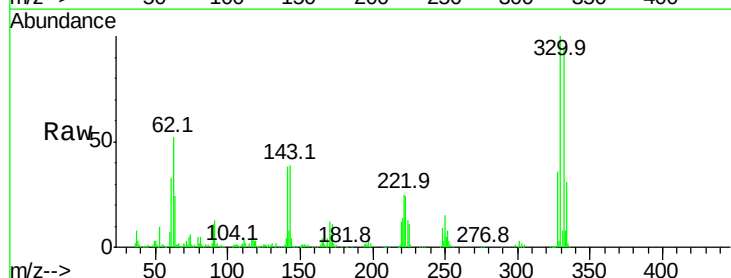
Tgt Ion:248 Resp: 24588

Ion Ratio Lower Upper

248 100

250 169.5 77.1 115.7#

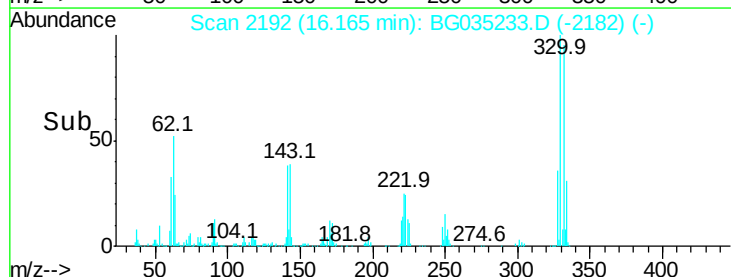
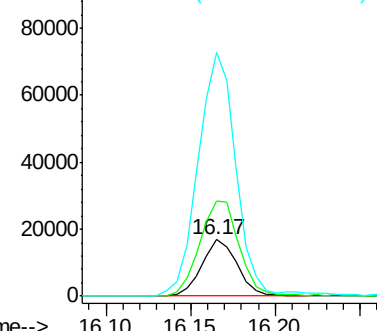
141 432.7 50.8 76.2#

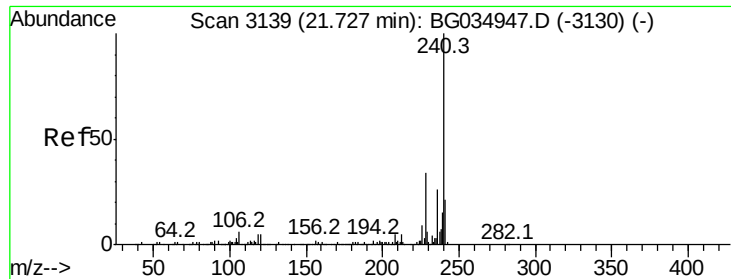


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG035233.D

Acq: 19 Jun 2018 1:40

Instrument :

BNA_G

ClientSampleId :

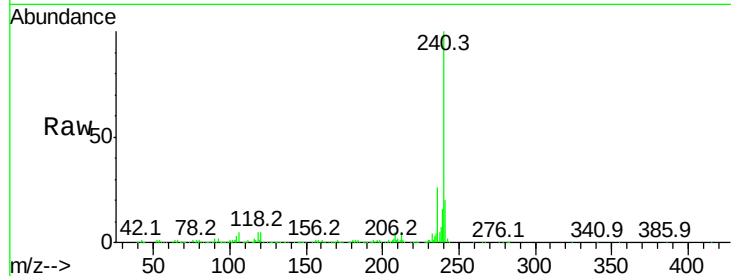
Tot Ion:240 Resp: 395013

Ion Ratio Lower Upper

240 100

120 5.4 6.8 10.2#

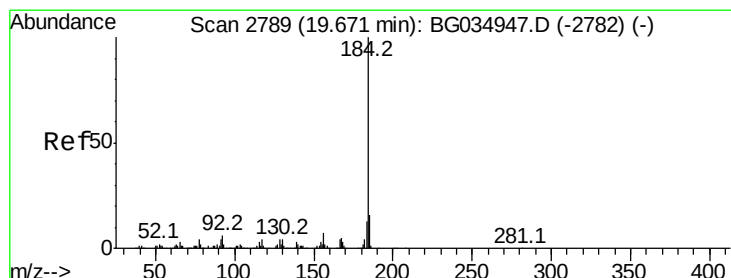
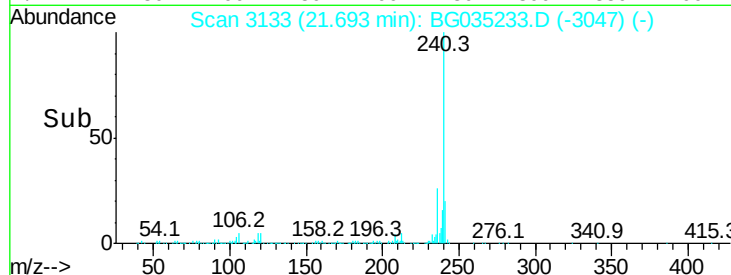
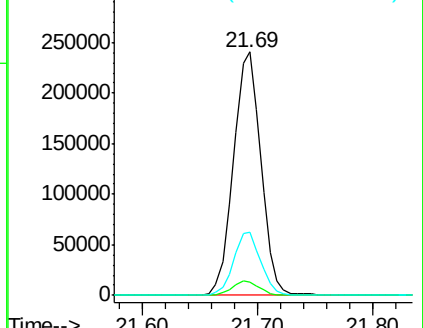
236 26.0 20.9 31.3



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: 2.409 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

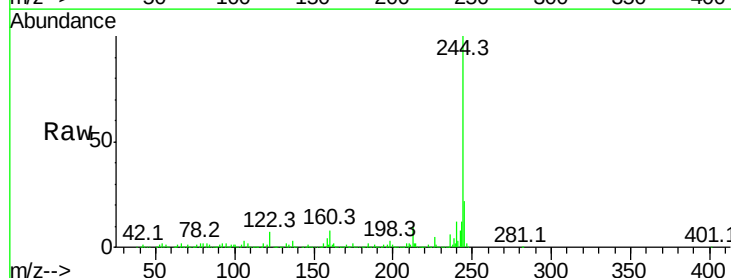
Tgt Ion:184 Resp: 35405

Ion Ratio Lower Upper

184 100

185 15.2 11.1 16.7

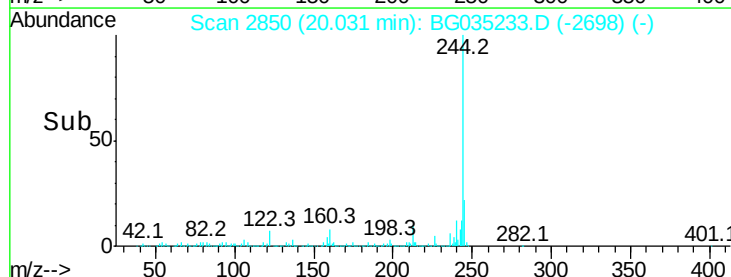
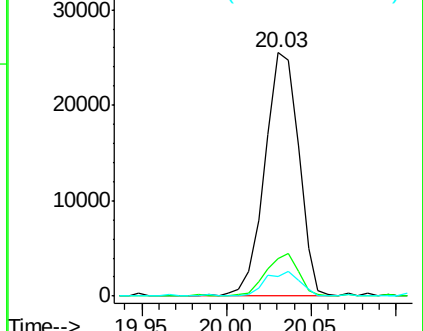
183 8.2 10.6 16.0#

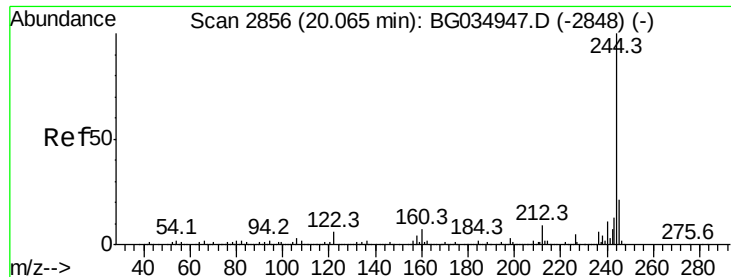


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.547 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

Instrument :

BNA_G

ClientSampleId :

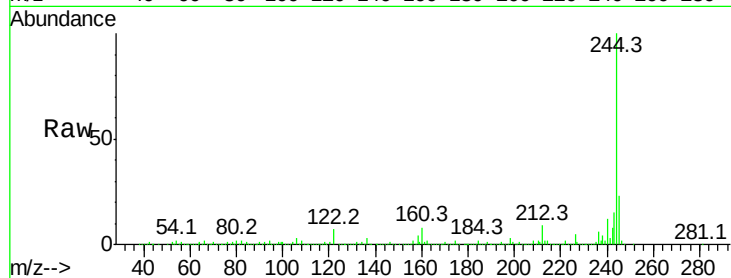
Tot Ion:244 Resp: 1896108

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

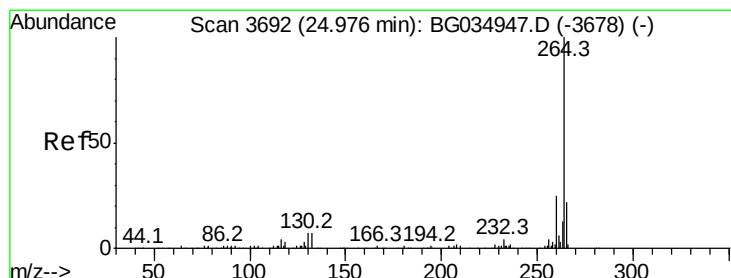
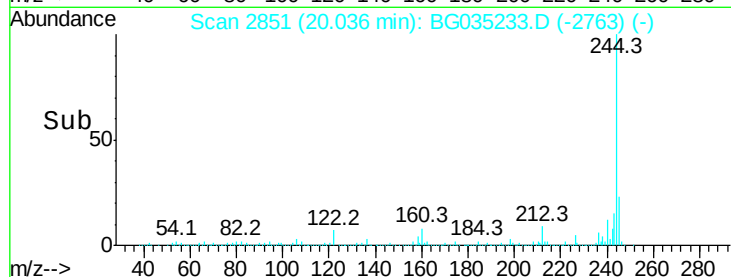
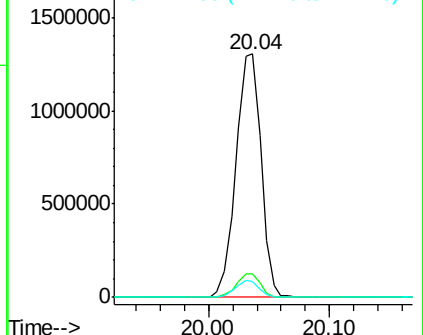
122 6.7 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3682

Delta R.T. -0.04 min

Lab File: BG035233.D

Acq: 19 Jun 2018 1:40

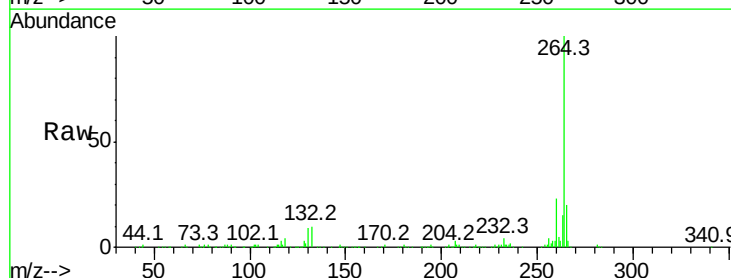
Tgt Ion:264 Resp: 345179

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 20.5 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

