

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061818\
 Data File : BG035234.D
 Acq On : 19 Jun 2018 2:19
 Operator : SJ/JU
 Sample : J3508-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 19 07:19:41 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

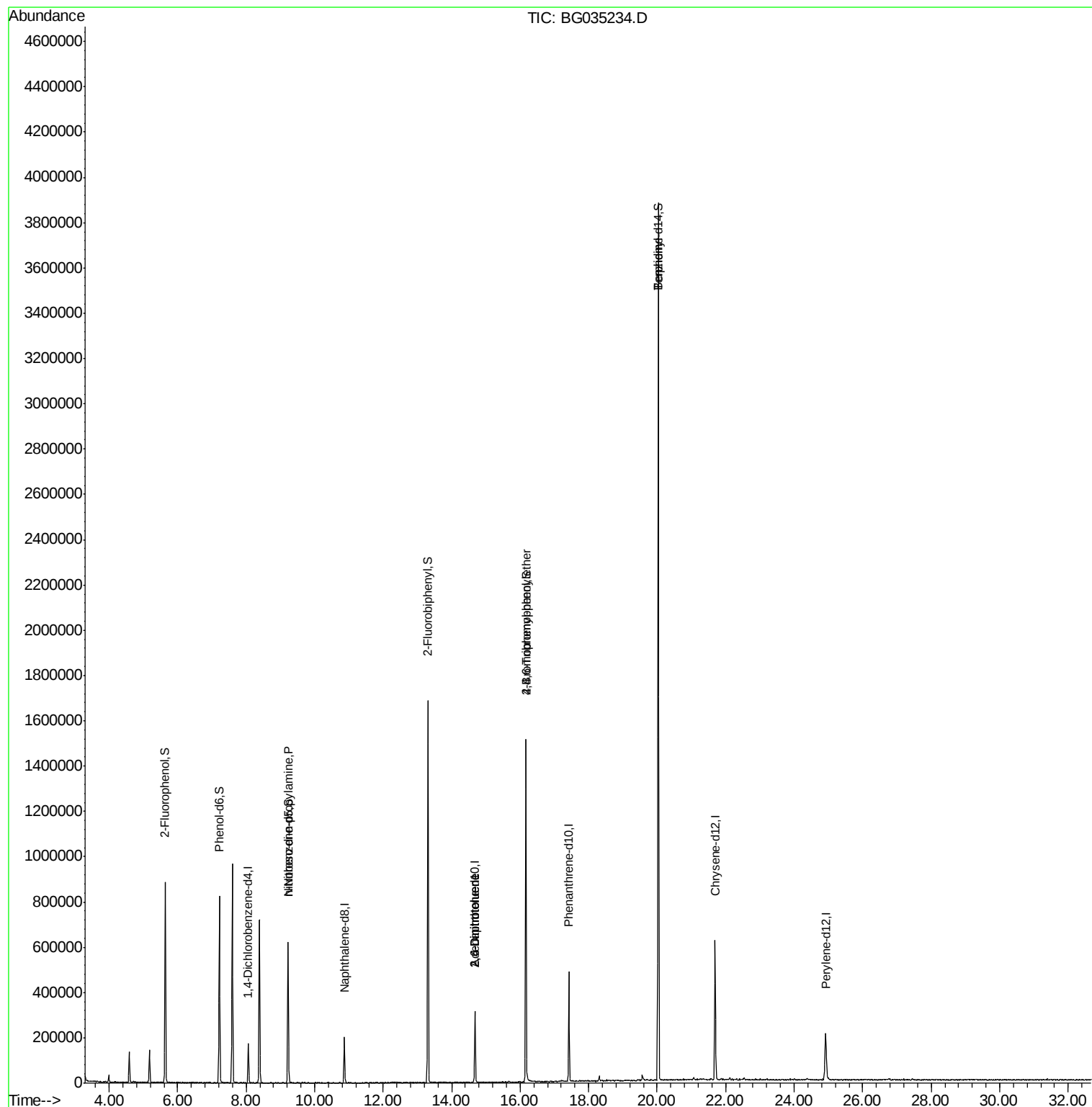
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	50199	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	172343	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	105537	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	301969	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	386443	20.00	ng	-0.02
86) Perylene-d12	24.92	264	180692	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	389367	130.90	ng	0.00
7) Phenol-d6	7.22	99	499301	113.73	ng	0.00
23) Nitrobenzene-d5	9.22	82	416957	115.00	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	278015	205.78	ng	-0.02
44) 2-Fluorobiphenyl	13.31	172	909053	111.98	ng	-0.02
78) Terphenyl-d14	20.03	244	1820509	98.68	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	57840	15.507	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	15381	9.161	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	15381	6.896	ng	# 19
66) 4-Bromophenyl-phenylether	16.17	248	21245	5.842	ng	# 1
76) Benzidine	20.03	184	34110	2.373	ng	# 95

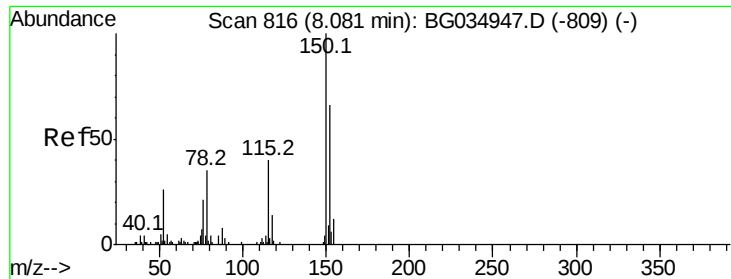
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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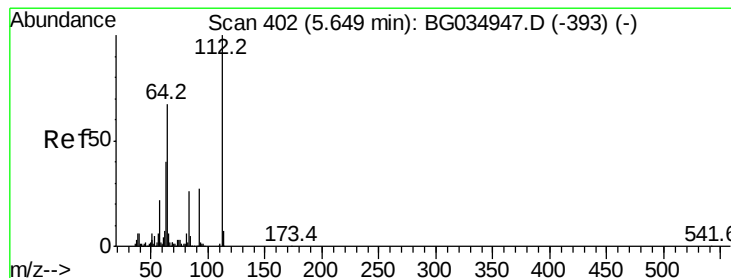
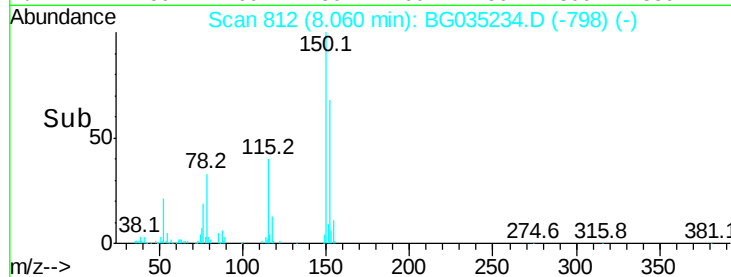
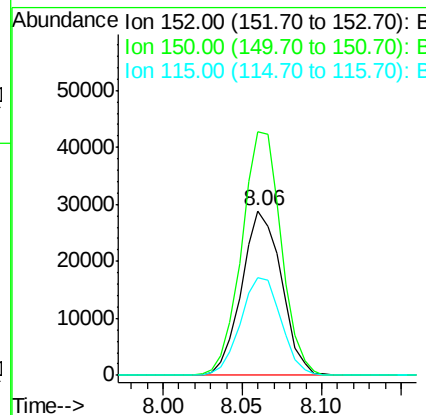
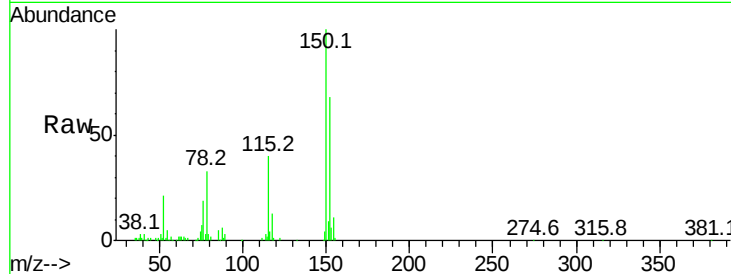


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BG035234.D
 Acq: 19 Jun 2018 2:19

Instrument :
 BNA_G
 ClientSampled :

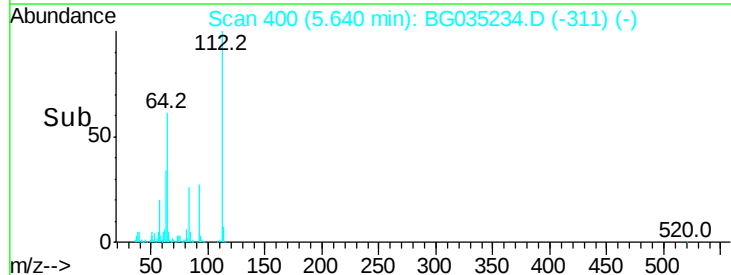
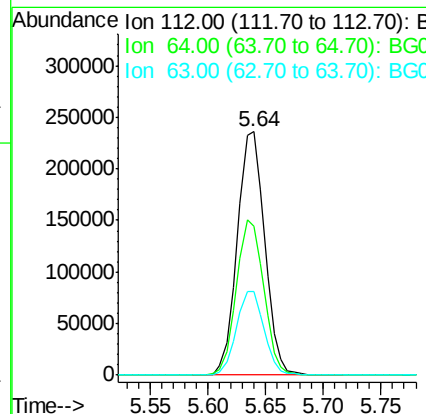
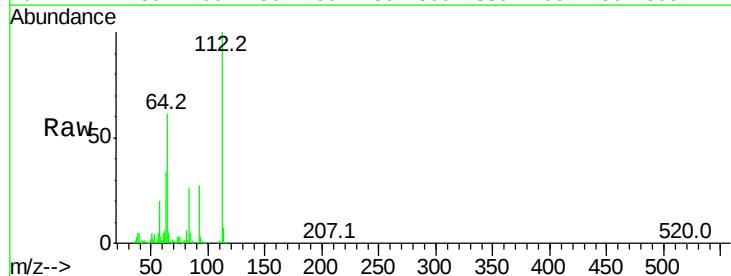
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	126.6	189.8
115	59.5	53.0	79.4

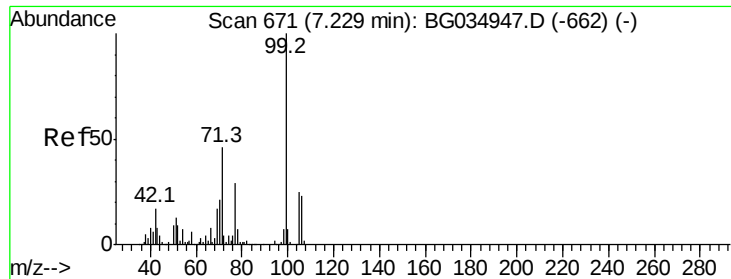


#5

2-Fluorophenol
 Concen: 130.899 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: BG035234.D
 Acq: 19 Jun 2018 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	56.3	84.5
63	34.5	30.1	45.1





#7

Phenol-d6

Concen: 113.729 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

Instrument :

BNA_G

ClientSampleId :

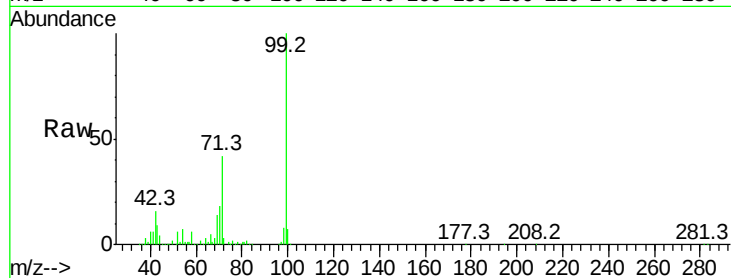
Tot Ion: 99 Resp: 499301

Ion Ratio Lower Upper

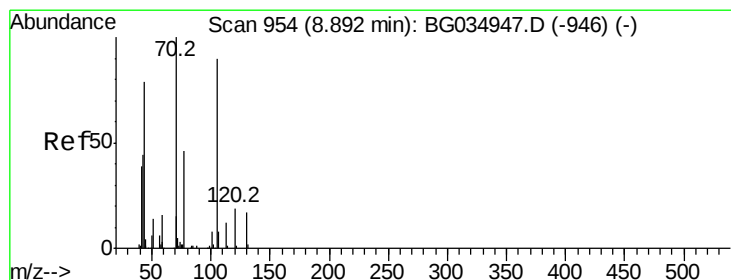
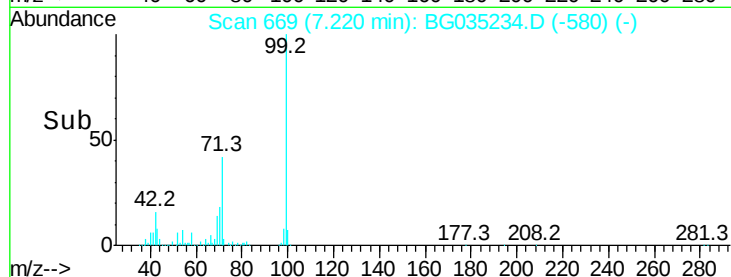
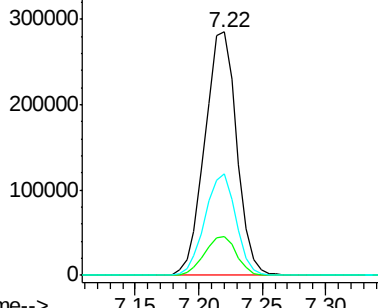
99 100

42 16.0 14.1 21.1

71 41.5 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: 15.507 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

Tgt Ion: 70 Resp: 57840

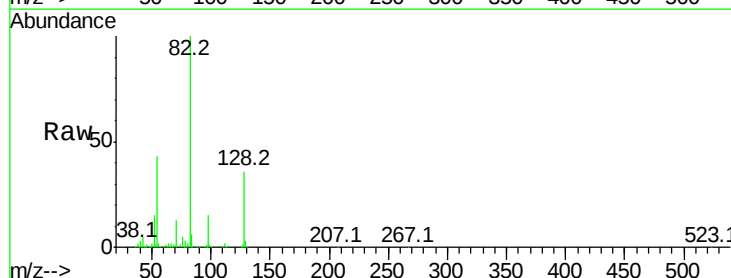
Ion Ratio Lower Upper

70 100

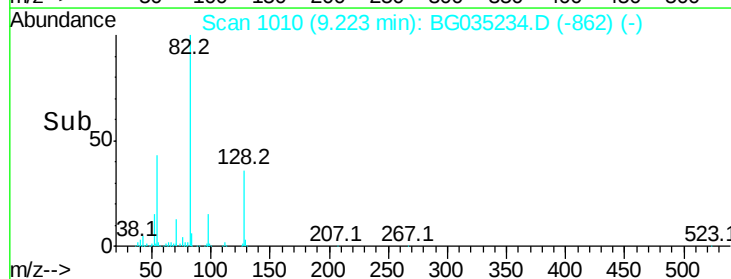
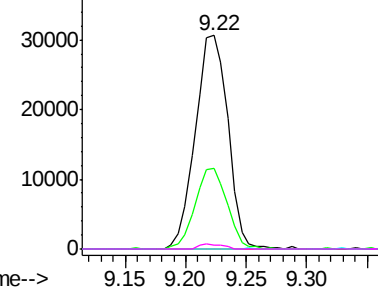
42 37.7 49.1 73.7#

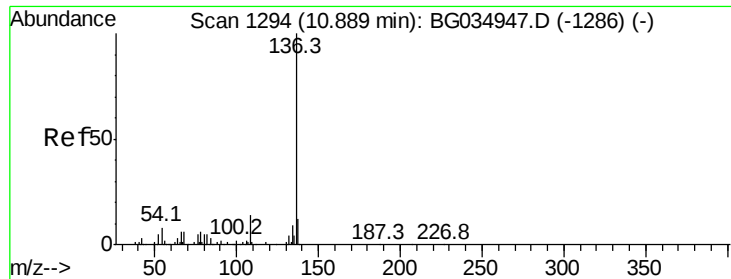
101 0.0 8.5 12.7#

130 2.0 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

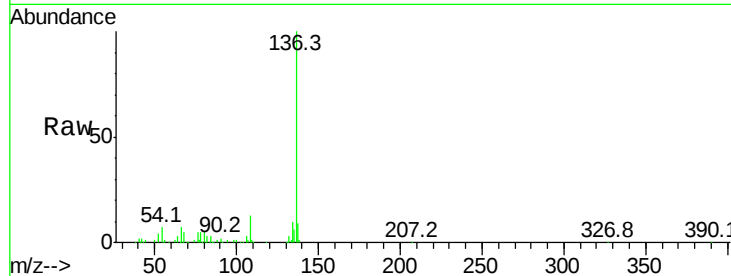




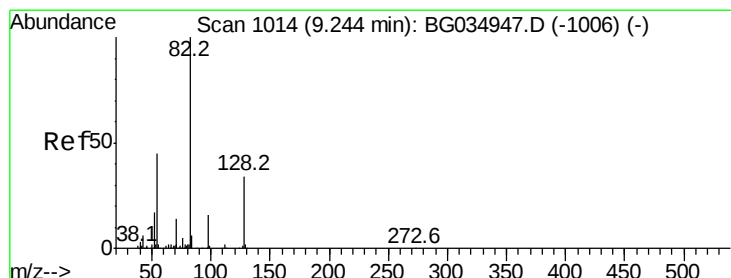
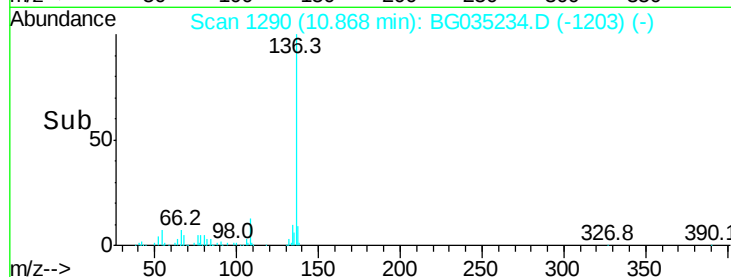
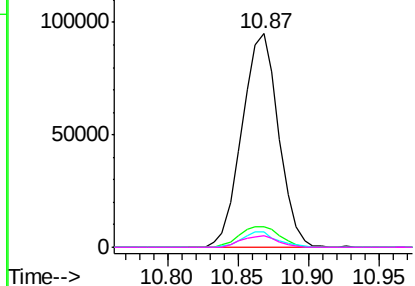
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035234.D
Acq: 19 Jun 2018 2:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	172343
Ion	Ratio	Lower	Upper
136	100		
137	9.5	9.2	13.8
54	7.4	10.3	15.5#
68	5.3	4.5	6.7

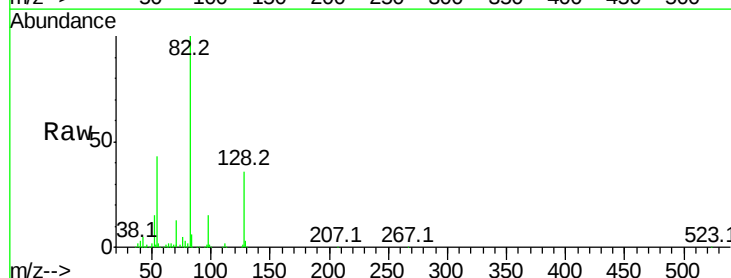


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

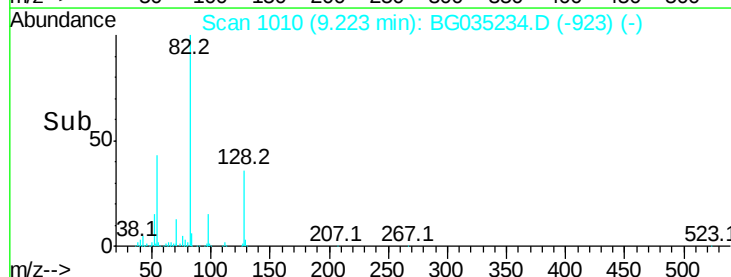
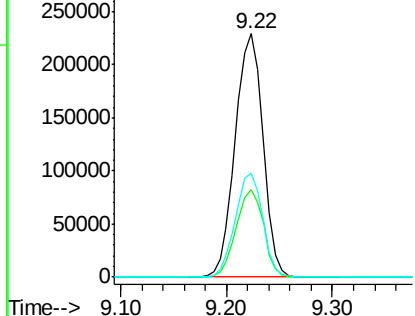


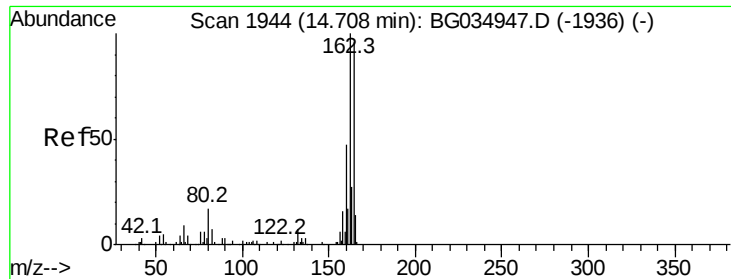
#23
Nitrobenzene-d5
Concen: 115.002 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG035234.D
Acq: 19 Jun 2018 2:19

Tgt Ion:	82	Resp:	416957
Ion	Ratio	Lower	Upper
82	100		
128	35.8	29.7	44.5
54	42.7	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# 1939

Delta R.T. -0.02 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

Instrument :

BNA_G

ClientSampleId :

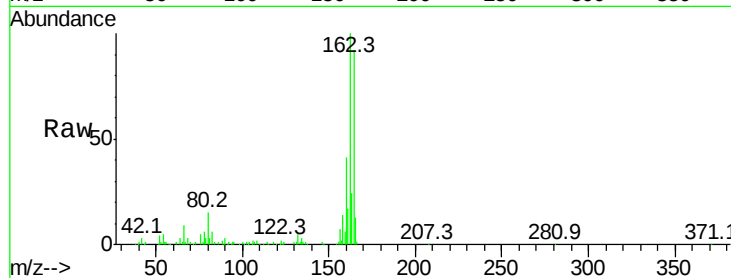
Tot Ion:164 Resp: 105537

Ion Ratio Lower Upper

164 100

162 109.1 78.8 118.2

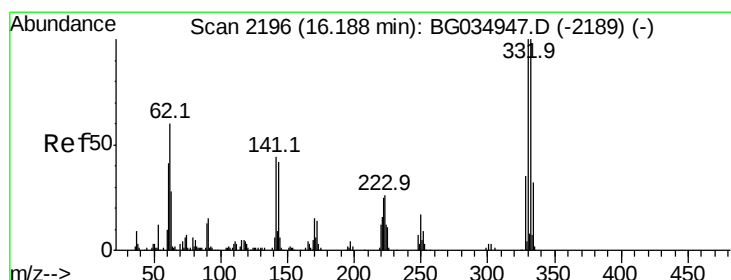
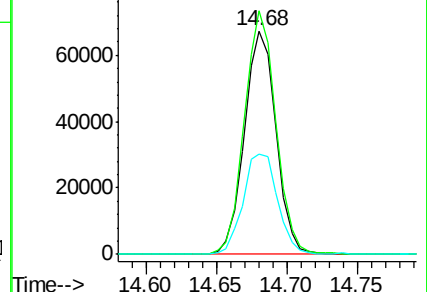
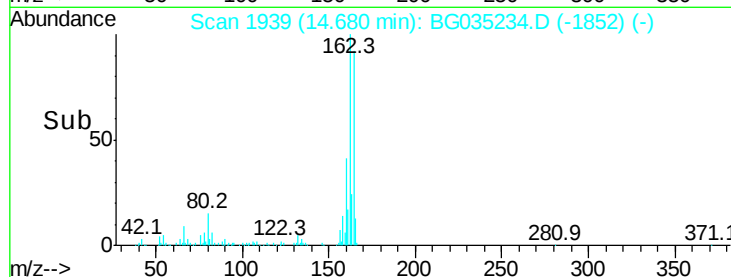
160 45.2 35.4 53.0



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: 205.783 ng

RT: 16.17 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

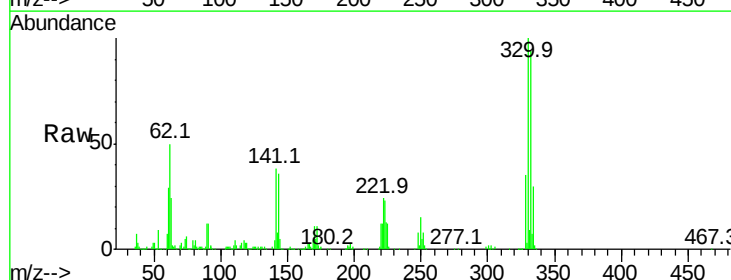
Tgt Ion:330 Resp: 278015

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

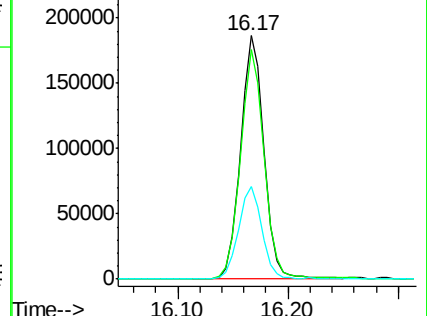
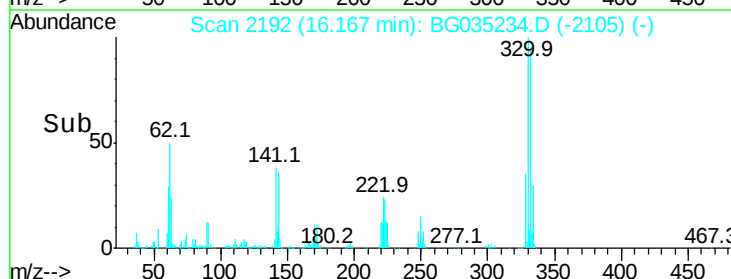
141 37.9 25.2 37.8#

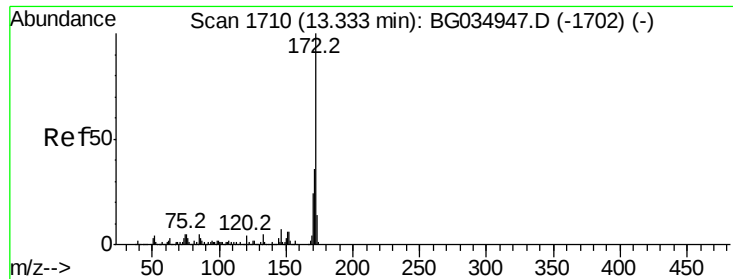


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

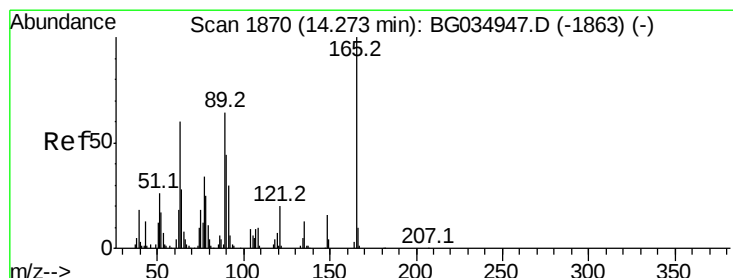
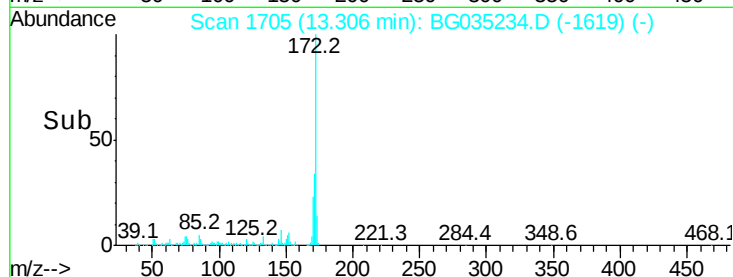
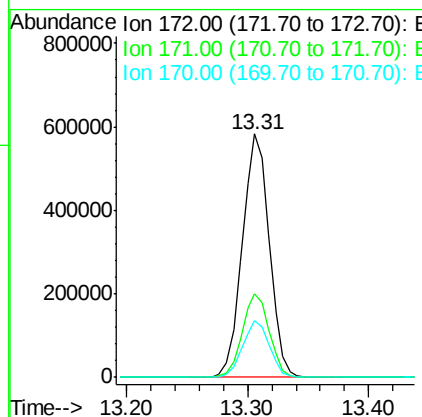
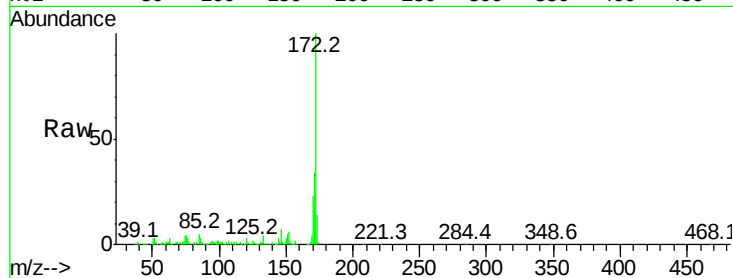




#44
2-Fluorobiphenyl
Concen: 111.976 ng
RT: 13.31 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BG035234.D
Acq: 19 Jun 2018 2:19

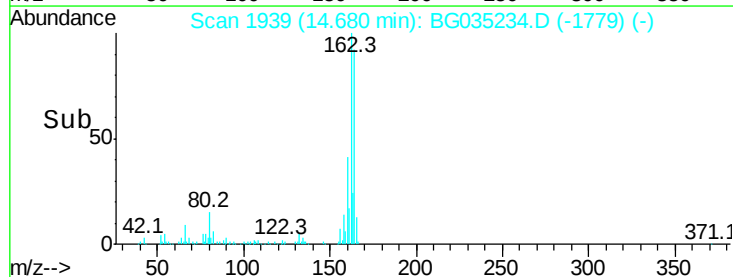
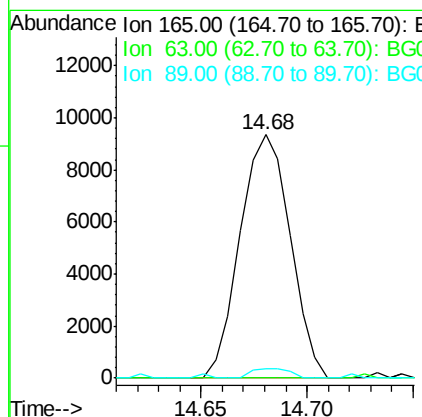
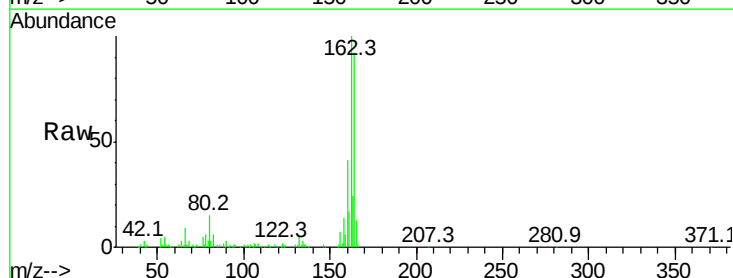
Instrument :
BNA_G
ClientSampleId :

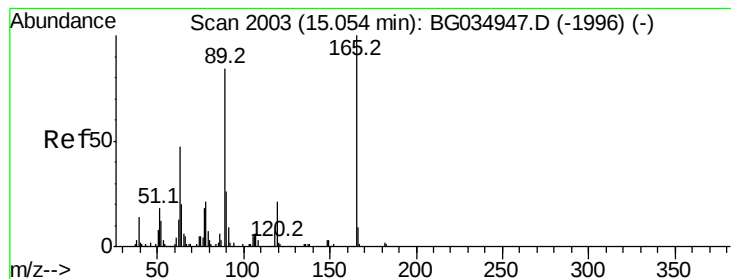
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.0	45.0
170	23.2	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 9.161 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035234.D
Acq: 19 Jun 2018 2:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.6	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 6.896 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.37 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 15381

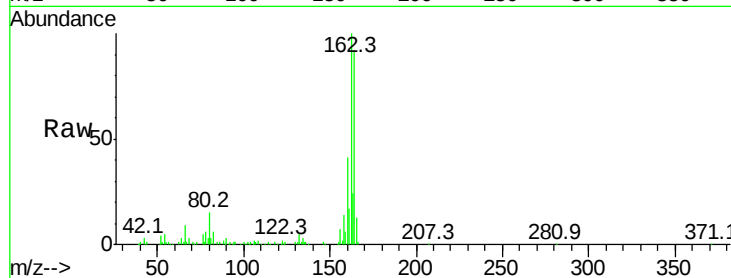
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 3.6 66.9 100.3#

182 0.0 2.6 3.8#

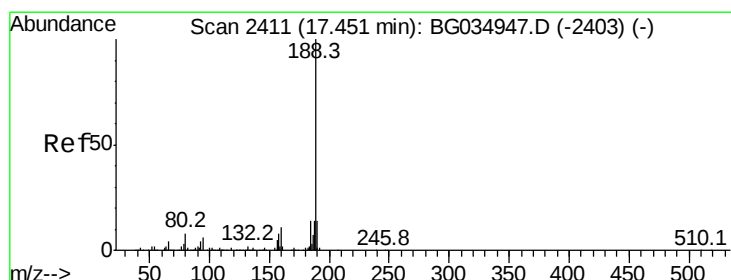
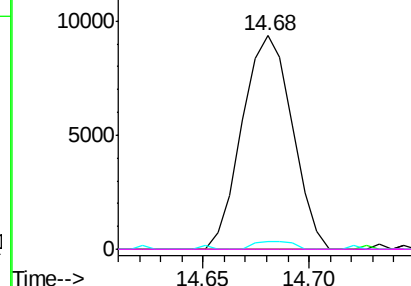
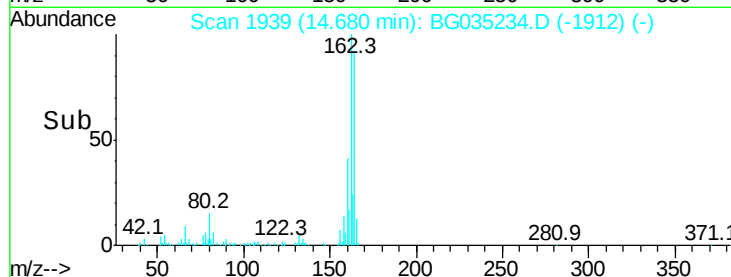


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG035234.D

Acq: 19 Jun 2018 2:19

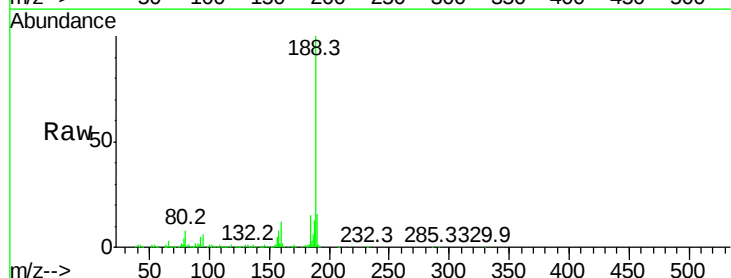
Tgt Ion:188 Resp: 301969

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

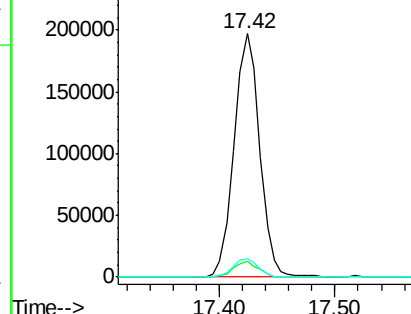
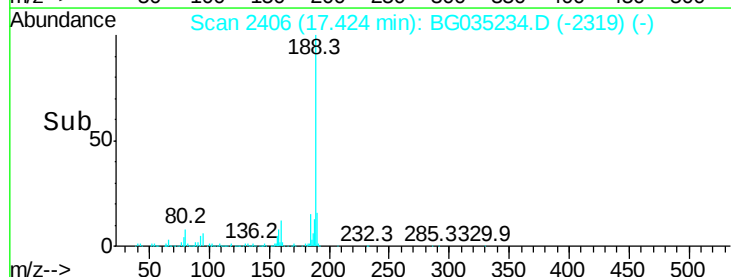
80 7.7 7.7 11.5

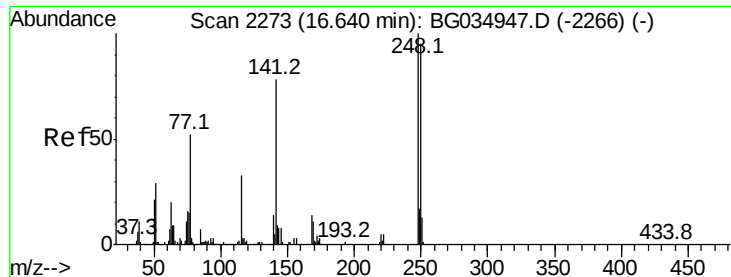


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

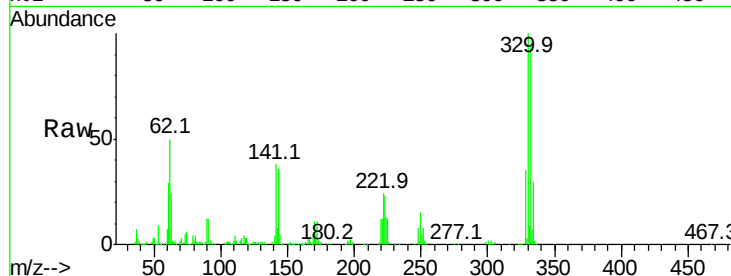




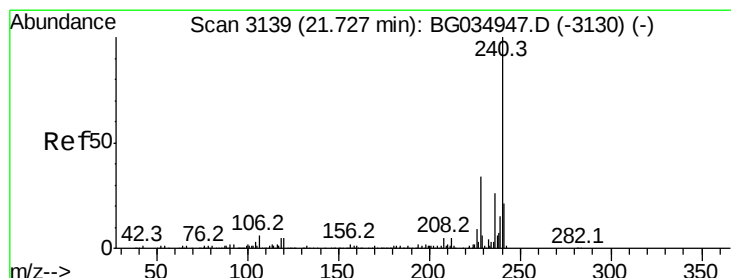
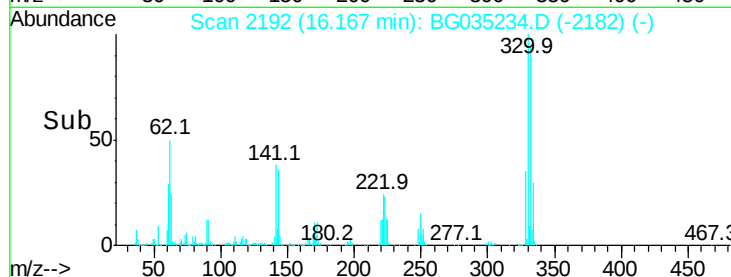
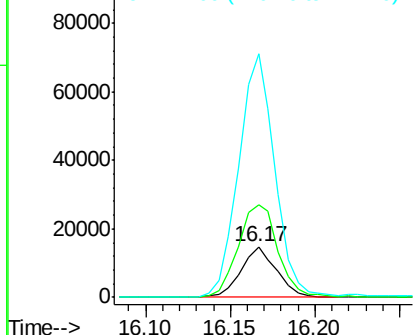
#66
 4-Bromophenyl-phenylether
 Concen: 5.842 ng
 RT: 16.17 min Scan# 2192
 Delta R.T. -0.47 min
 Lab File: BG035234.D
 Acq: 19 Jun 2018 2:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 21245
 Ion Ratio Lower Upper
 248 100
 250 183.9 77.1 115.7#
 141 481.3 50.8 76.2#

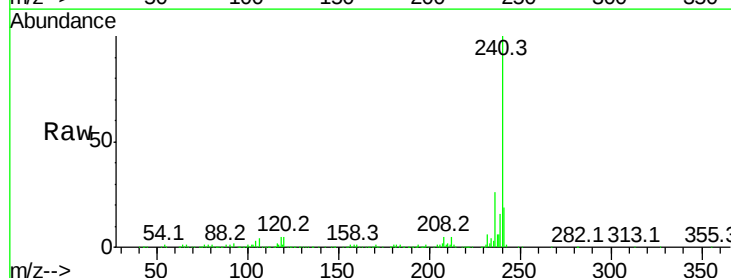


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

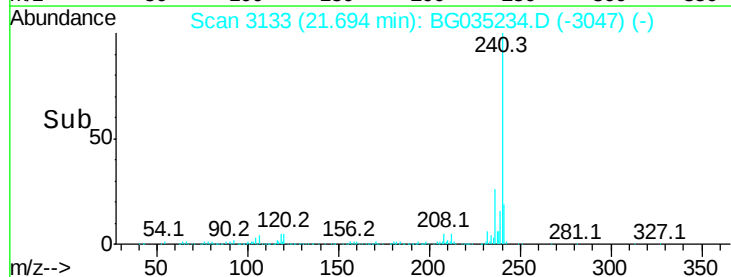
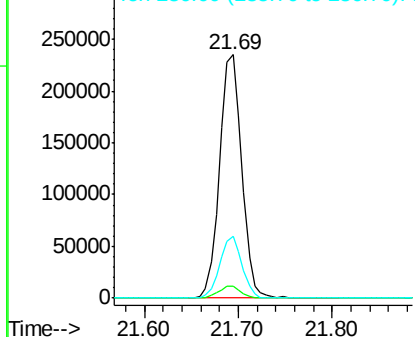


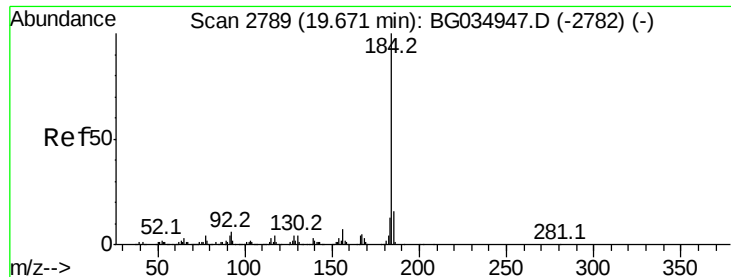
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3133
 Delta R.T. -0.02 min
 Lab File: BG035234.D
 Acq: 19 Jun 2018 2:19

Tgt Ion:240 Resp: 386443
 Ion Ratio Lower Upper
 240 100
 120 4.7 6.8 10.2#
 236 25.7 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: 2.373 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.37 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

Instrument :

BNA_G

ClientSampleId :

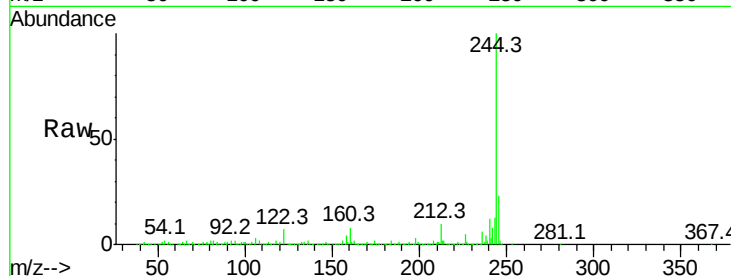
Tot Ion:184 Resp: 34110

Ion Ratio Lower Upper

184 100

185 13.5 11.1 16.7

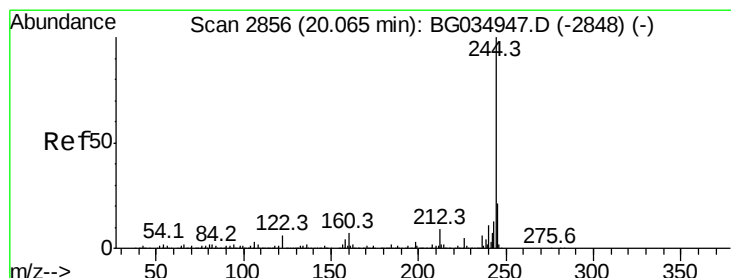
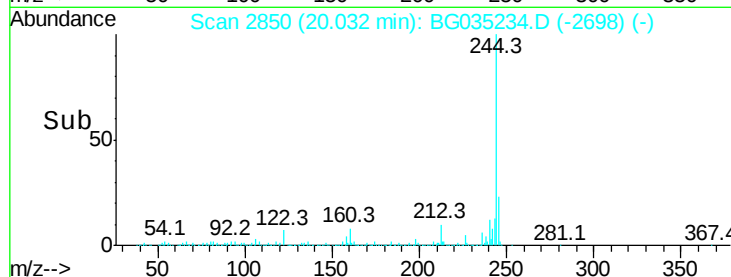
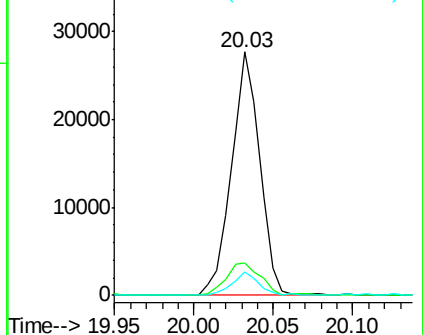
183 9.4 10.6 16.0#



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: 98.679 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035234.D

Acq: 19 Jun 2018 2:19

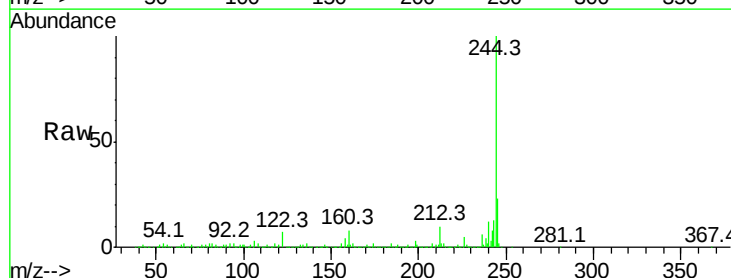
Tgt Ion:244 Resp: 1820509

Ion Ratio Lower Upper

244 100

212 10.1 5.8 8.8#

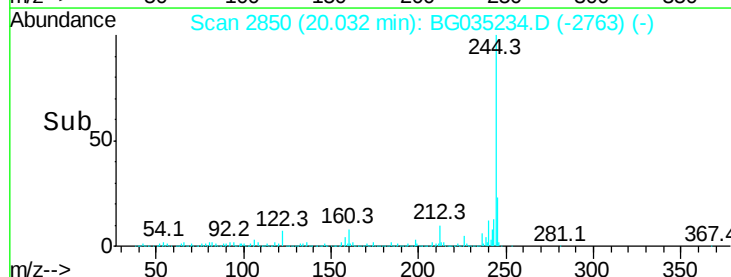
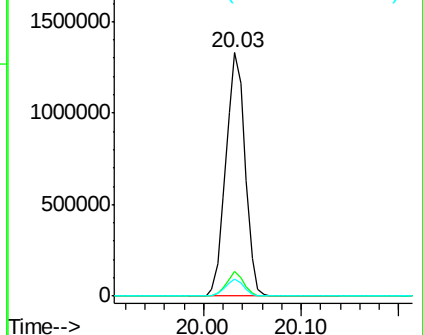
122 7.0 7.0 10.4

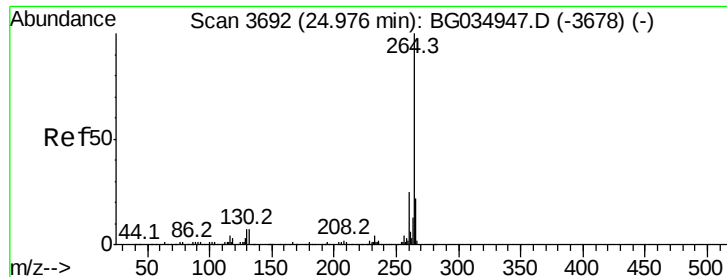


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

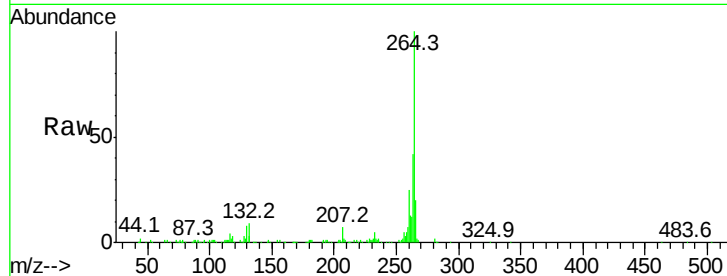




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3682
Delta R.T. -0.03 min
Lab File: BG035234.D
Acq: 19 Jun 2018 2:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.4	26.0
265	20.1	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

