

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061518\
 Data File : BG035201.D
 Acq On : 16 Jun 2018 10:31
 Operator : SJ/JU
 Sample : J3498-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 18 01:18:55 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

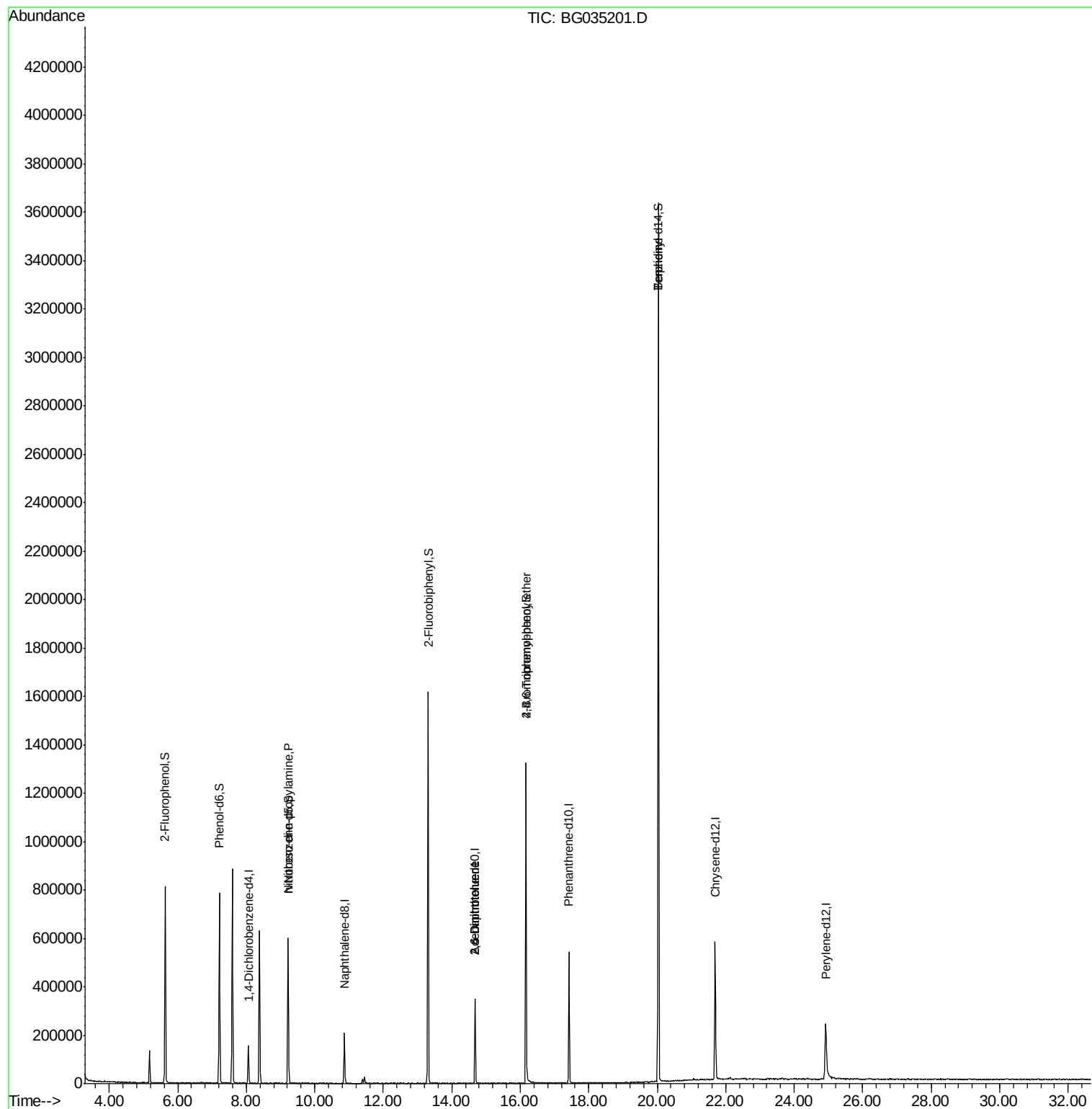
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	45947	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	169279	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	122716	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	350628	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	380236	20.00	ng	-0.02
86) Perylene-d12	24.92	264	307721	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	352537	129.48	ng	-0.01
7) Phenol-d6	7.22	99	469273	116.78	ng	0.00
23) Nitrobenzene-d5	9.22	82	386898	108.64	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	253081	161.10	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	872554	92.43	ng	-0.02
78) Terphenyl-d14	20.03	244	1764093	97.18	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	52874	15.488	ng	# 64
50) 2,6-Dinitrotoluene	14.68	165	17341	8.883	ng	# 19
56) 2,4-Dinitrotoluene	14.68	165	17341	6.687	ng	# 17
66) 4-Bromophenyl-phenylether	16.17	248	19580	4.637	ng	# 1
76) Benzidine	20.03	184	31401	2.220	ng	96

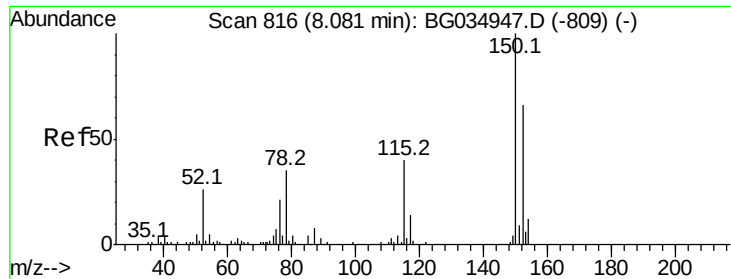
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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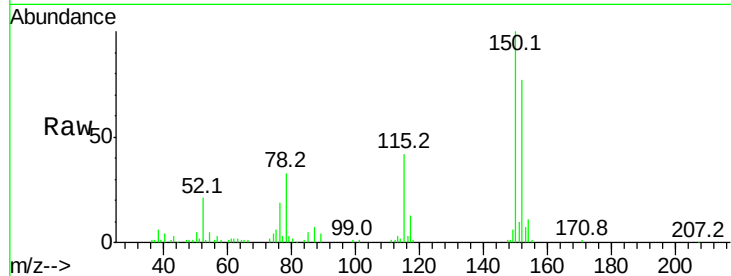


#1

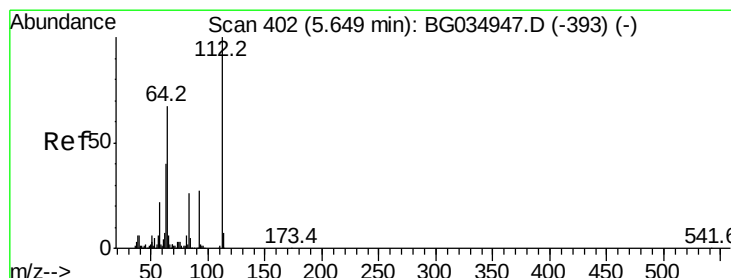
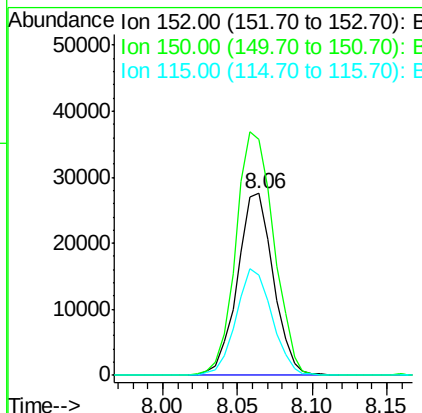
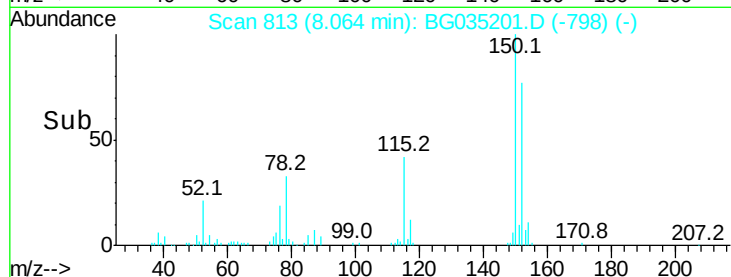
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.0	126.6	189.8
115	55.2	53.0	79.4



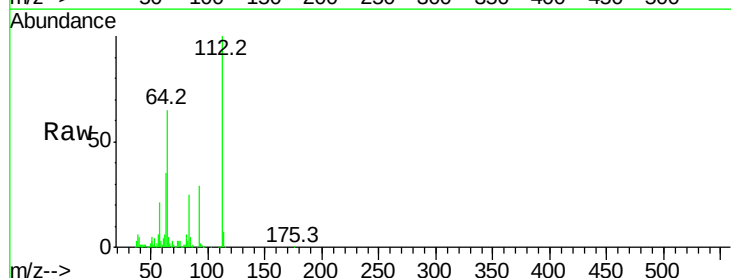
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



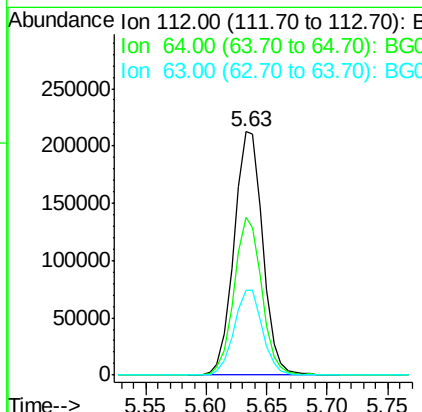
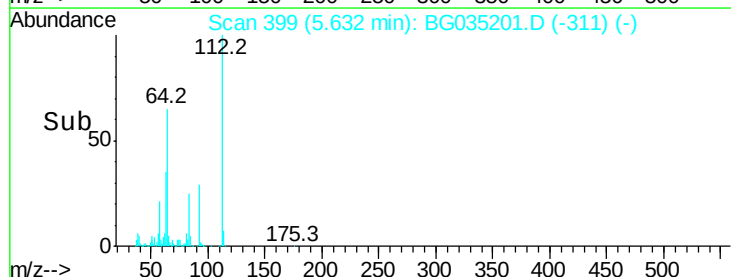
#5

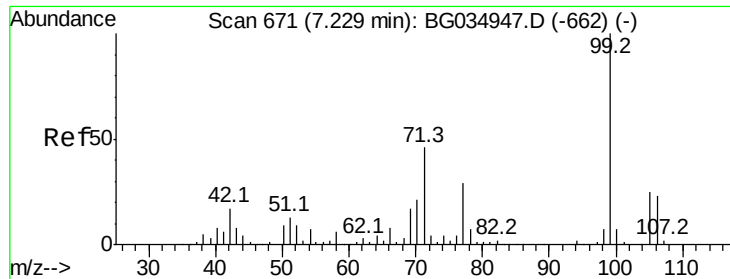
2-Fluorophenol
Concen: 129.485 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	56.3	84.5
63	34.9	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 116.781 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

Instrument :

BNA_G

ClientSampleId :

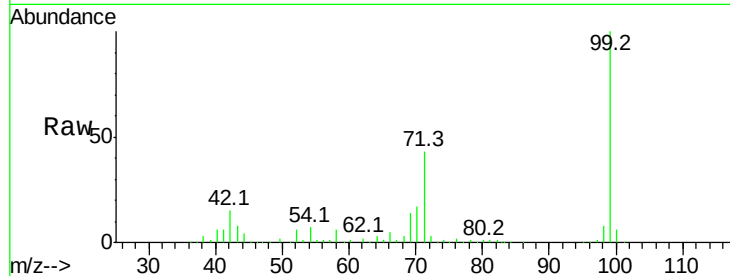
Tot Ion: 99 Resp: 469273

Ion Ratio Lower Upper

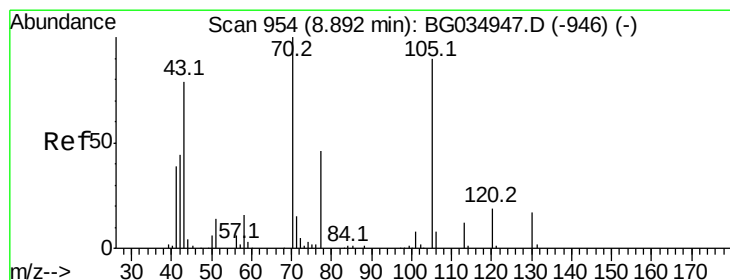
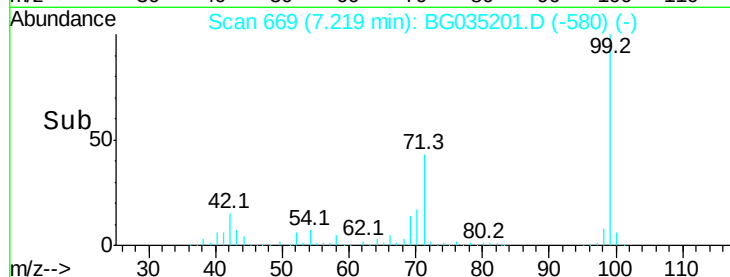
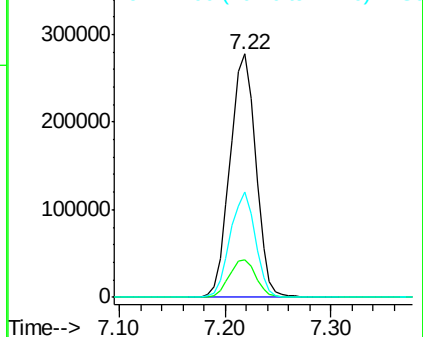
99 100

42 15.4 14.1 21.1

71 43.0 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: 15.488 ng

RT: 9.22 min Scan# 1010

Delta R.T. 0.34 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

Tgt Ion: 70 Resp: 52874

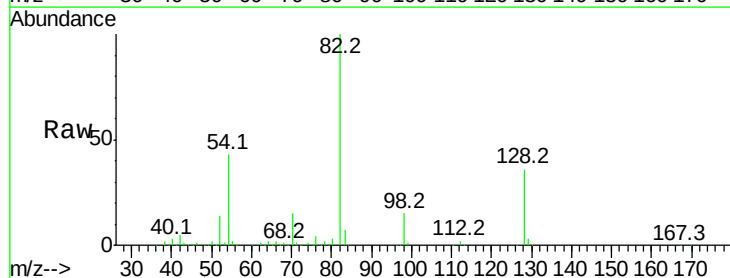
Ion Ratio Lower Upper

70 100

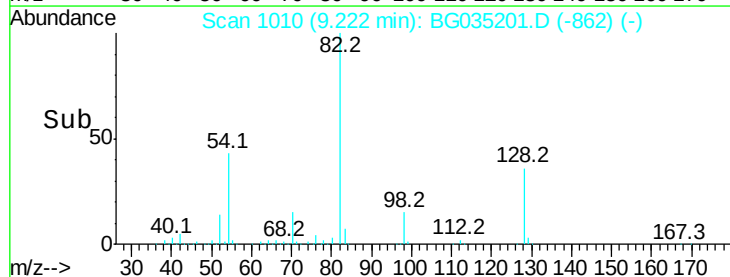
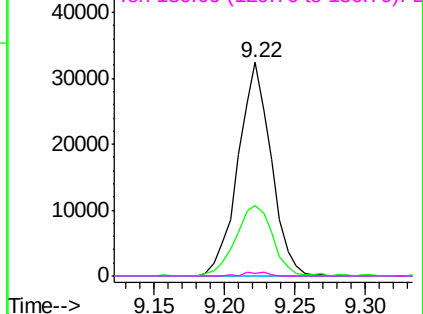
42 32.9 49.1 73.7#

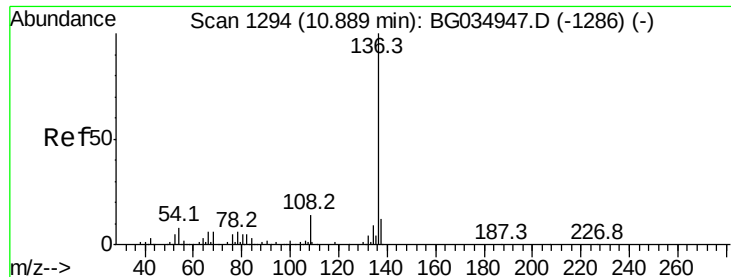
101 0.0 8.5 12.7#

130 1.2 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: BG035201.D

Acq: 16 Jun 2018 10:31

Instrument :

BNA_G

ClientSampled :

Tot Ion:136 Resp: 169279

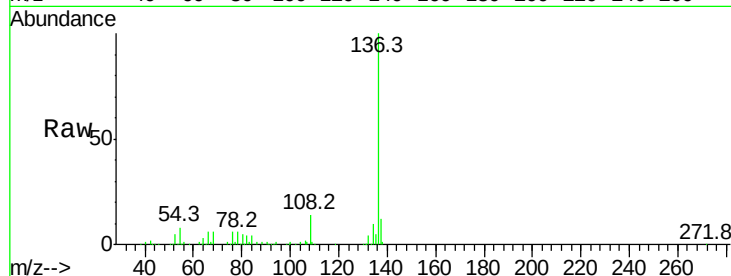
Ion Ratio Lower Upper

136 100

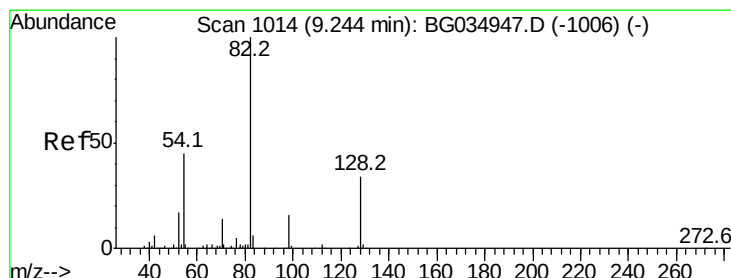
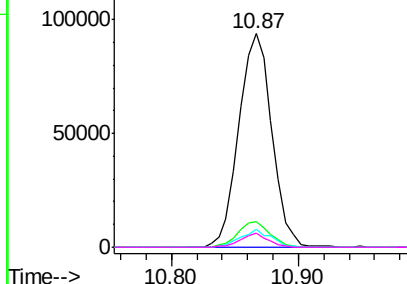
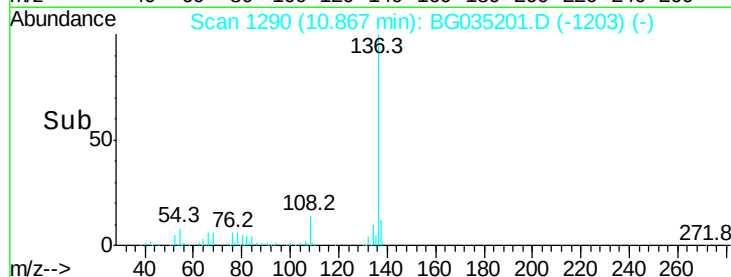
137 11.7 9.2 13.8

54 8.4 10.3 15.5#

68 6.3 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: 108.643 ng

RT: 9.22 min Scan# 1010

Delta R.T. -0.02 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

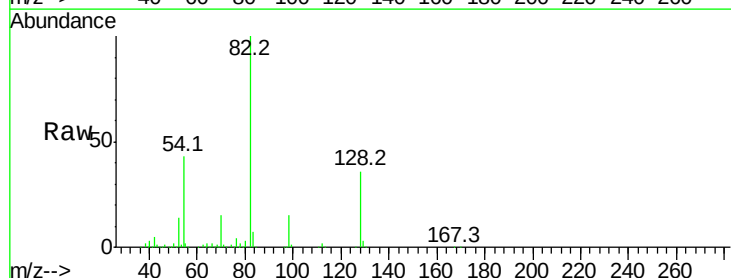
Tgt Ion: 82 Resp: 386898

Ion Ratio Lower Upper

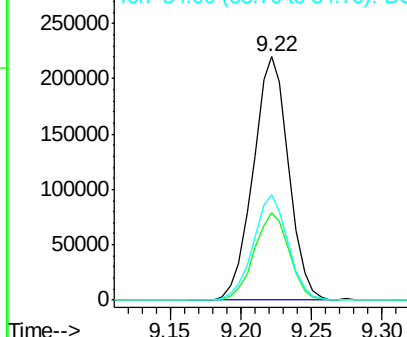
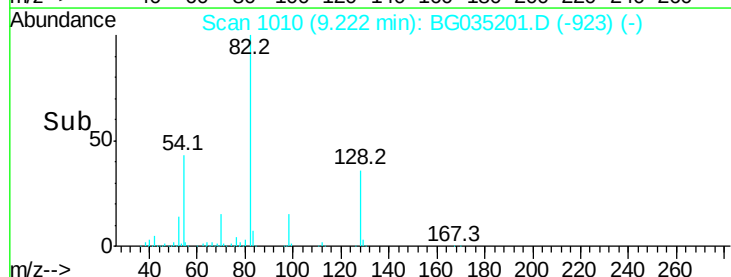
82 100

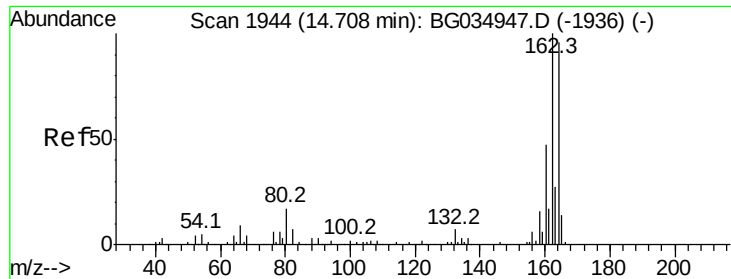
128 35.9 29.7 44.5

54 43.1 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: BG035201.D

Acq: 16 Jun 2018 10:31

Instrument :

BNA_G

ClientSampleId :

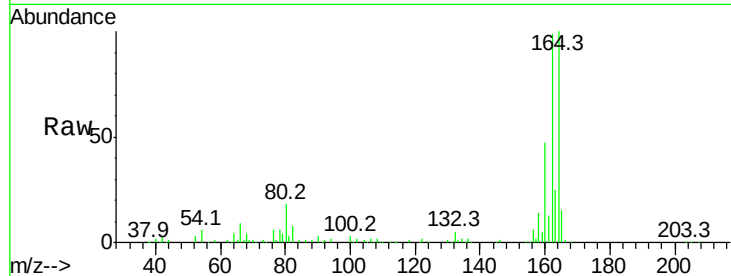
Tot Ion:164 Resp: 122716

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

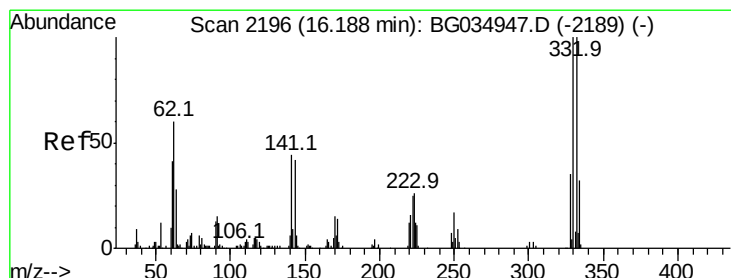
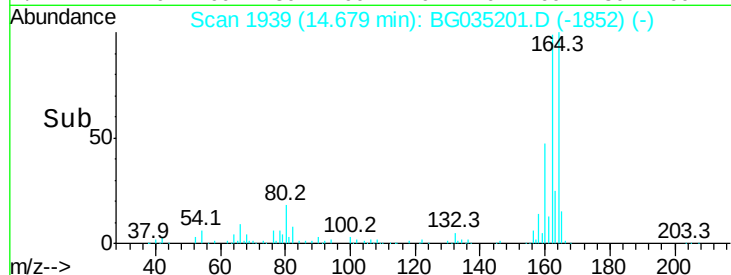
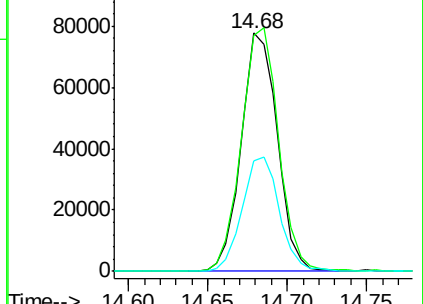
160 46.6 35.4 53.0



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: 161.104 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

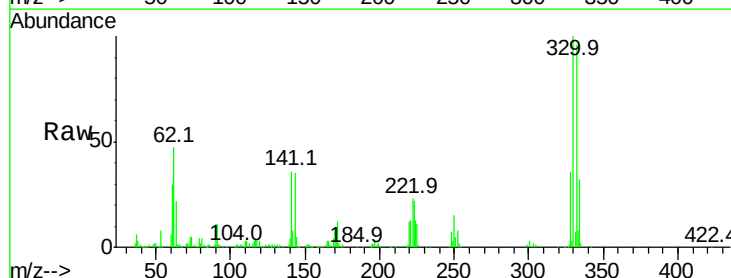
Tgt Ion:330 Resp: 253081

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

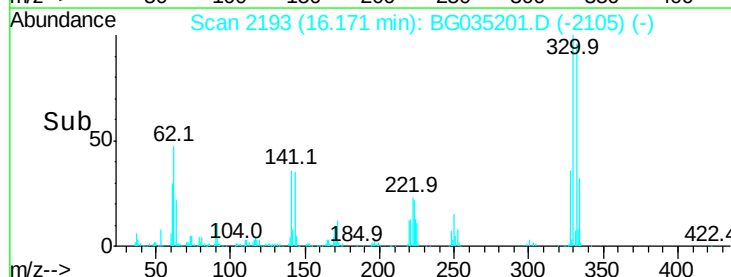
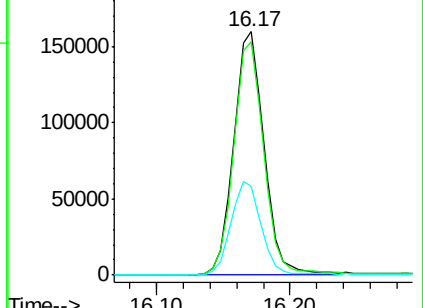
141 38.7 25.2 37.8#

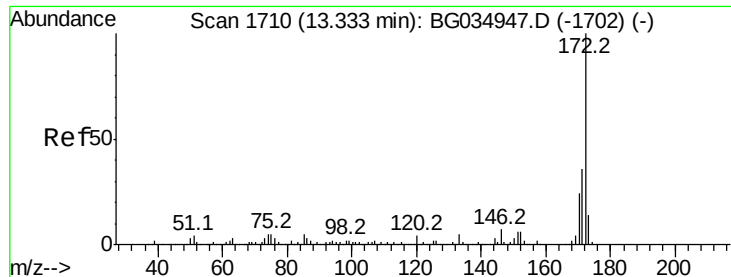


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

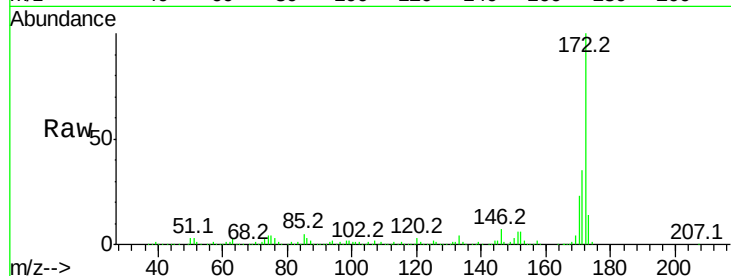




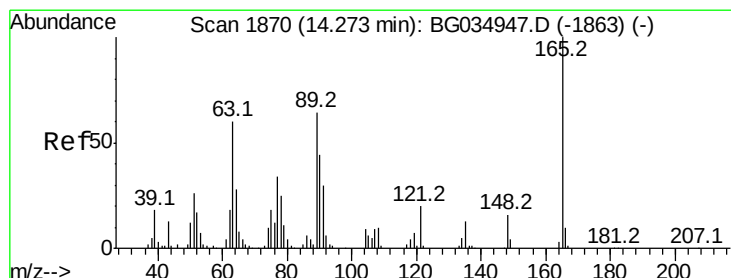
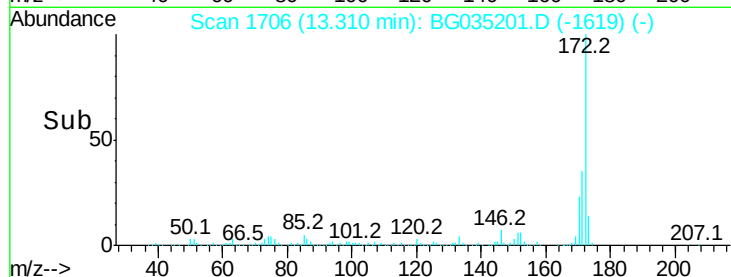
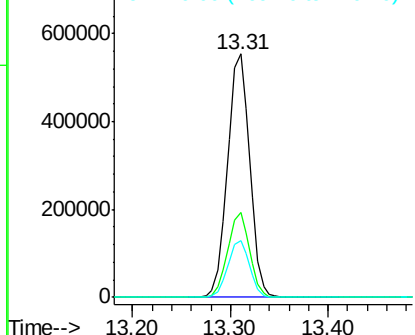
#44
2-Fluorobiphenyl
Concen: 92.434 ng
RT: 13.31 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 872554
Ion Ratio Lower Upper
172 100
171 35.0 30.0 45.0
170 23.1 19.5 29.3

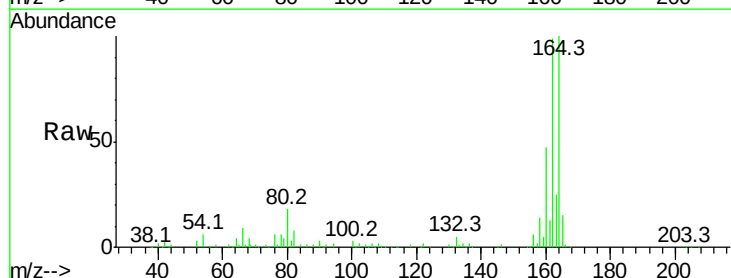


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

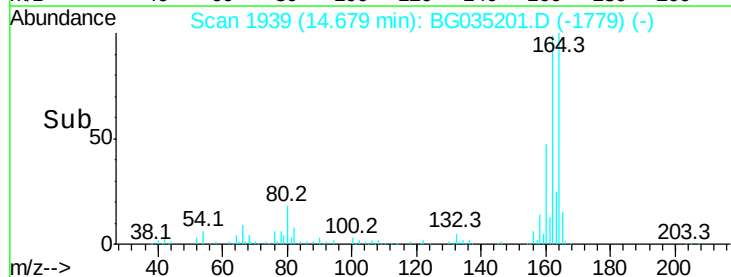
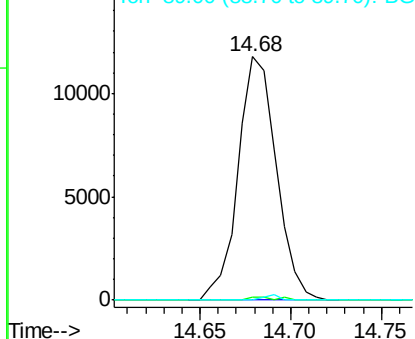


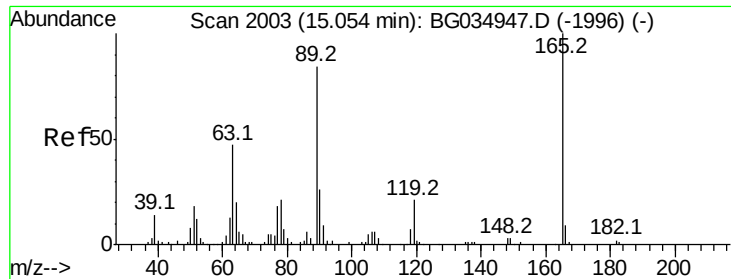
#50
2,6-Dinitrotoluene
Concen: 8.883 ng
RT: 14.68 min Scan# 1939
Delta R.T. 0.41 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Tgt Ion:165 Resp: 17341
Ion Ratio Lower Upper
165 100
63 1.3 52.7 79.1#
89 0.0 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

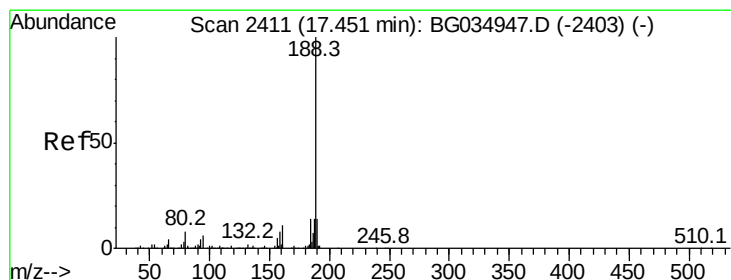
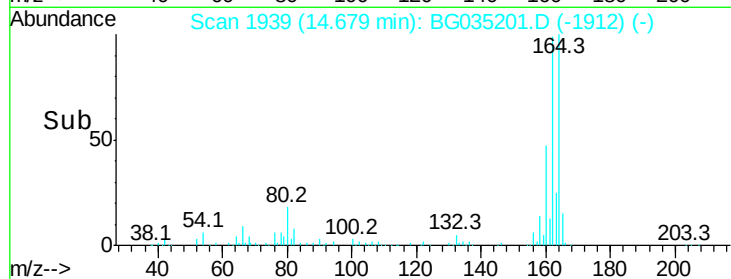
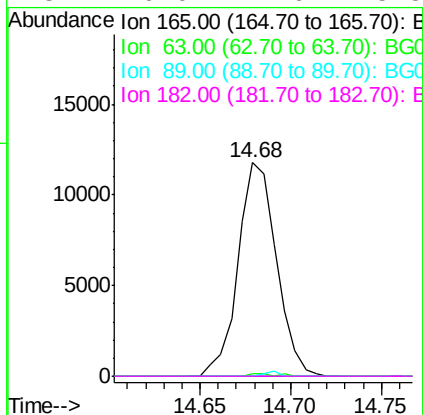
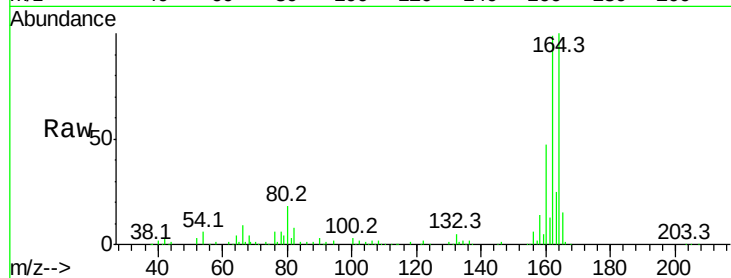




#56
 2,4-Dinitrotoluene
 Concen: 6.687 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035201.D
 Acq: 16 Jun 2018 10:31

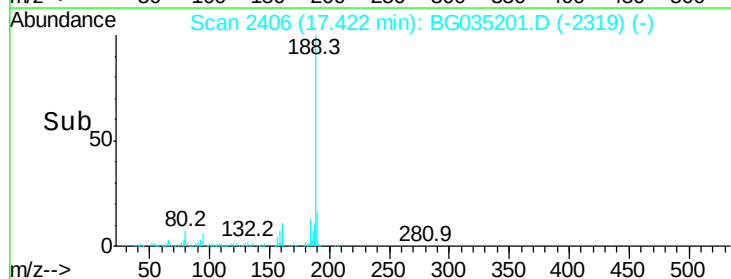
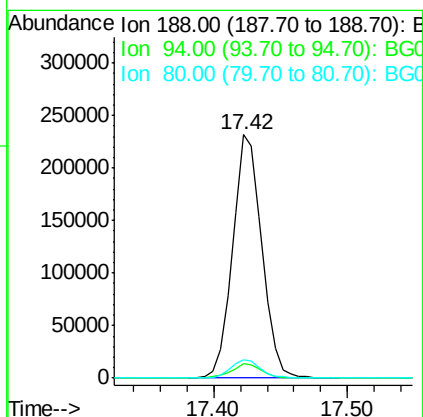
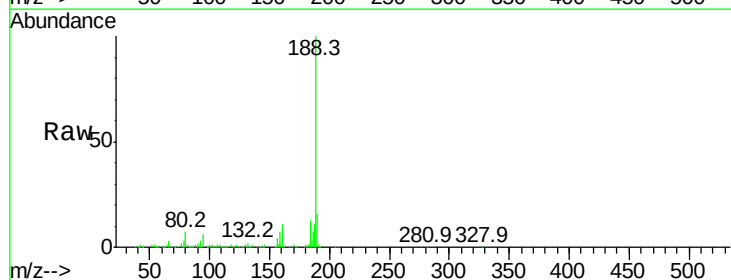
Instrument :
 BNA_G
 ClientSampleId :

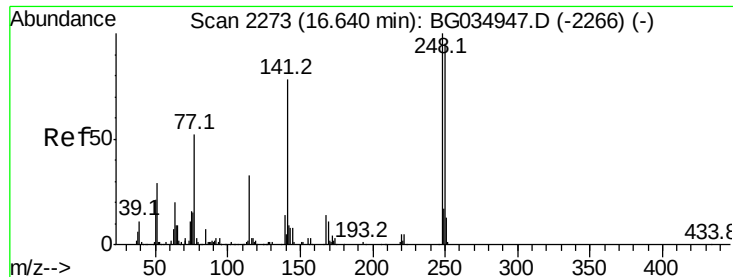
Tot Ion:	165	Resp:	17341
Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035201.D
 Acq: 16 Jun 2018 10:31

Tgt Ion:	188	Resp:	350628
Ion	Ratio	Lower	Upper
188	100		
94	5.9	6.9	10.3#
80	7.3	7.7	11.5#

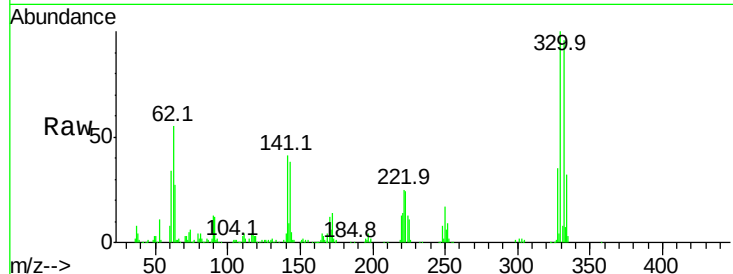




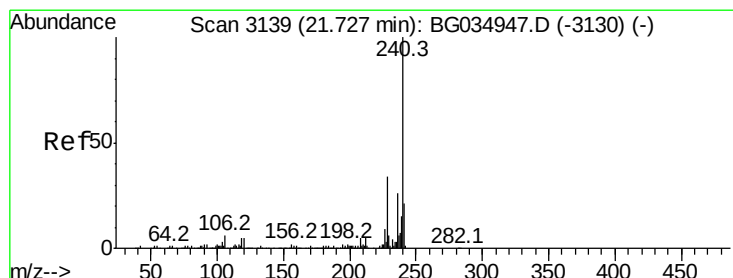
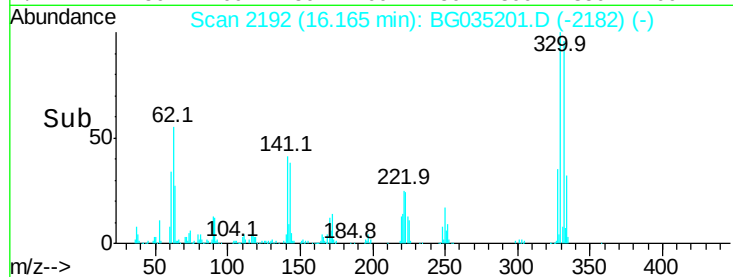
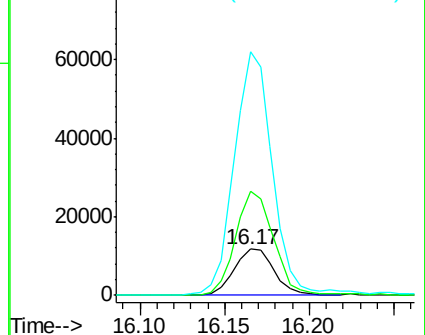
#66
4-Bromophenyl-phenylether
Concen: 4.637 ng
RT: 16.17 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 19580
Ion Ratio Lower Upper
248 100
250 224.6 77.1 115.7#
141 526.7 50.8 76.2#

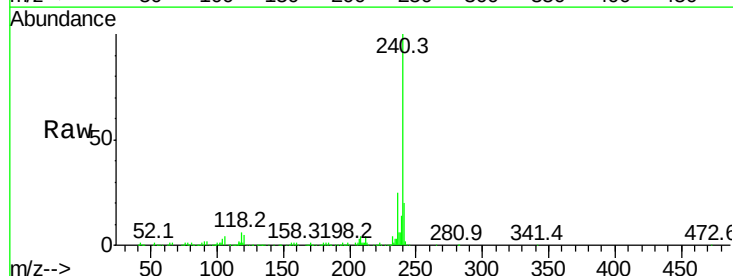


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

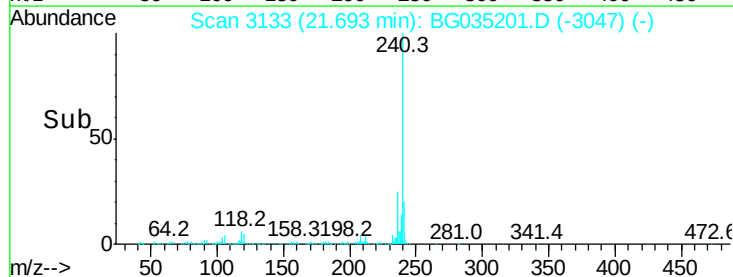
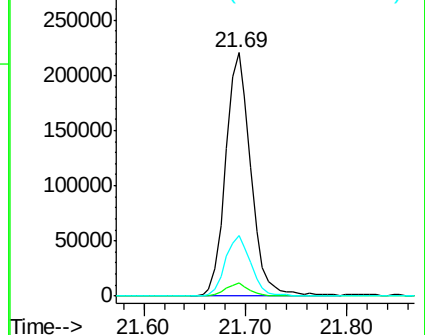


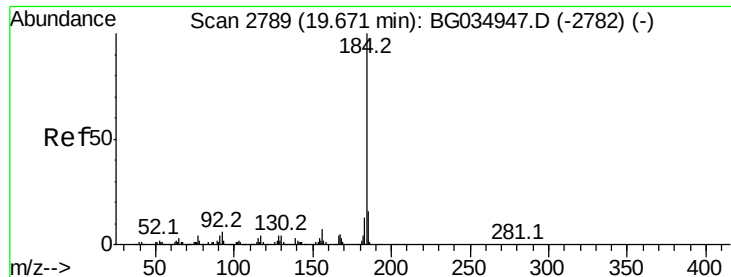
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3133
Delta R.T. -0.02 min
Lab File: BG035201.D
Acq: 16 Jun 2018 10:31

Tgt Ion:240 Resp: 380236
Ion Ratio Lower Upper
240 100
120 5.4 6.8 10.2#
236 25.0 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: 2.220 ng

RT: 20.03 min Scan# 2850

Delta R.T. 0.36 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

Instrument :

BNA_G

ClientSampleId :

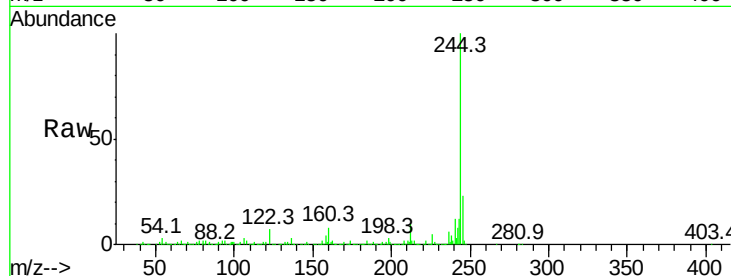
Tot Ion:184 Resp: 31401

Ion Ratio Lower Upper

184 100

185 12.8 11.1 16.7

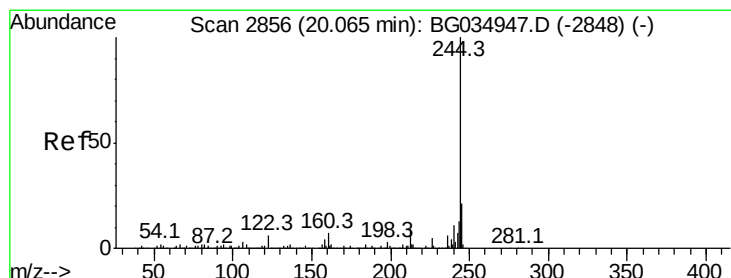
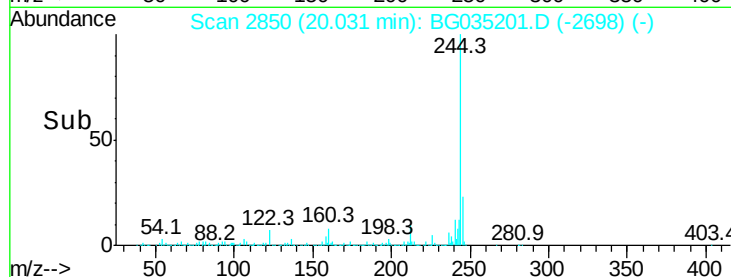
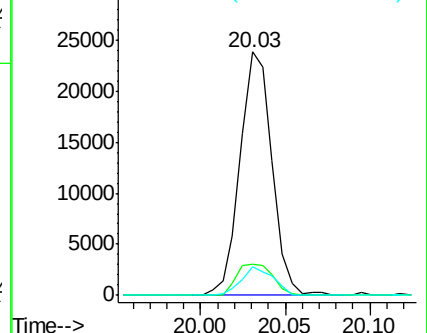
183 11.5 10.6 16.0



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: 97.182 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035201.D

Acq: 16 Jun 2018 10:31

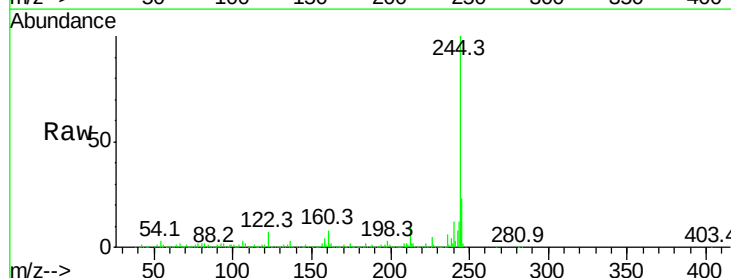
Tgt Ion:244 Resp: 1764093

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

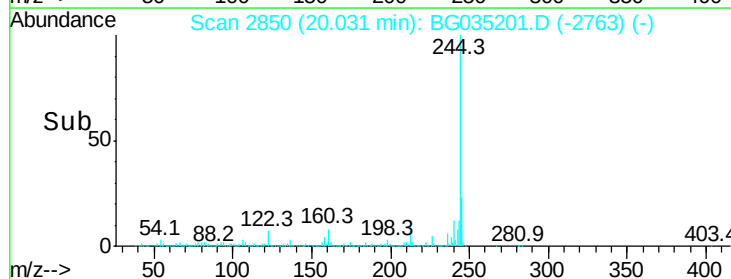
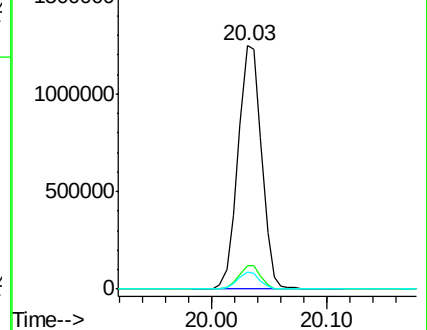
122 7.3 7.0 10.4

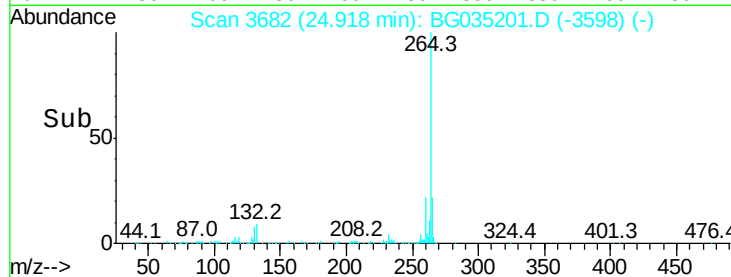
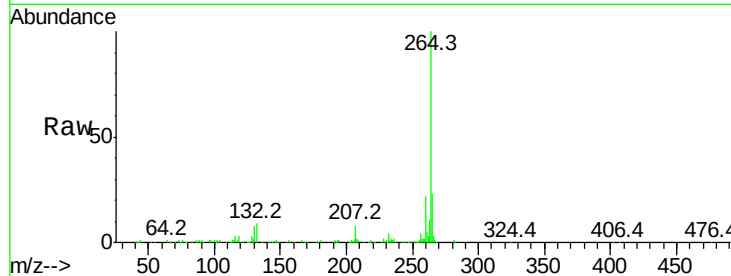
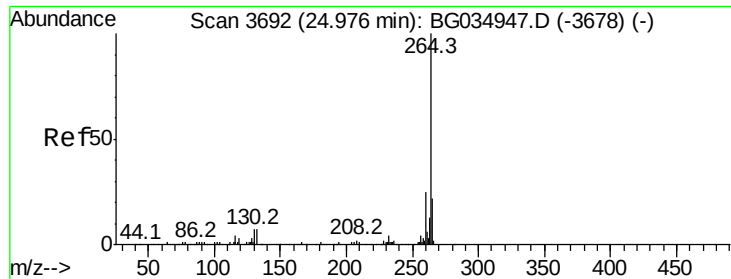


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.04 min
 Lab File: BG035201.D
 Acq: 16 Jun 2018 10:31

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	17.4	26.0
265	22.6	17.7	26.5

