

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061118\
 Data File : BG035052.D
 Acq On : 12 Jun 2018 4:34
 Operator : SJ/JU
 Sample : J3401-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 12 05:59:40 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

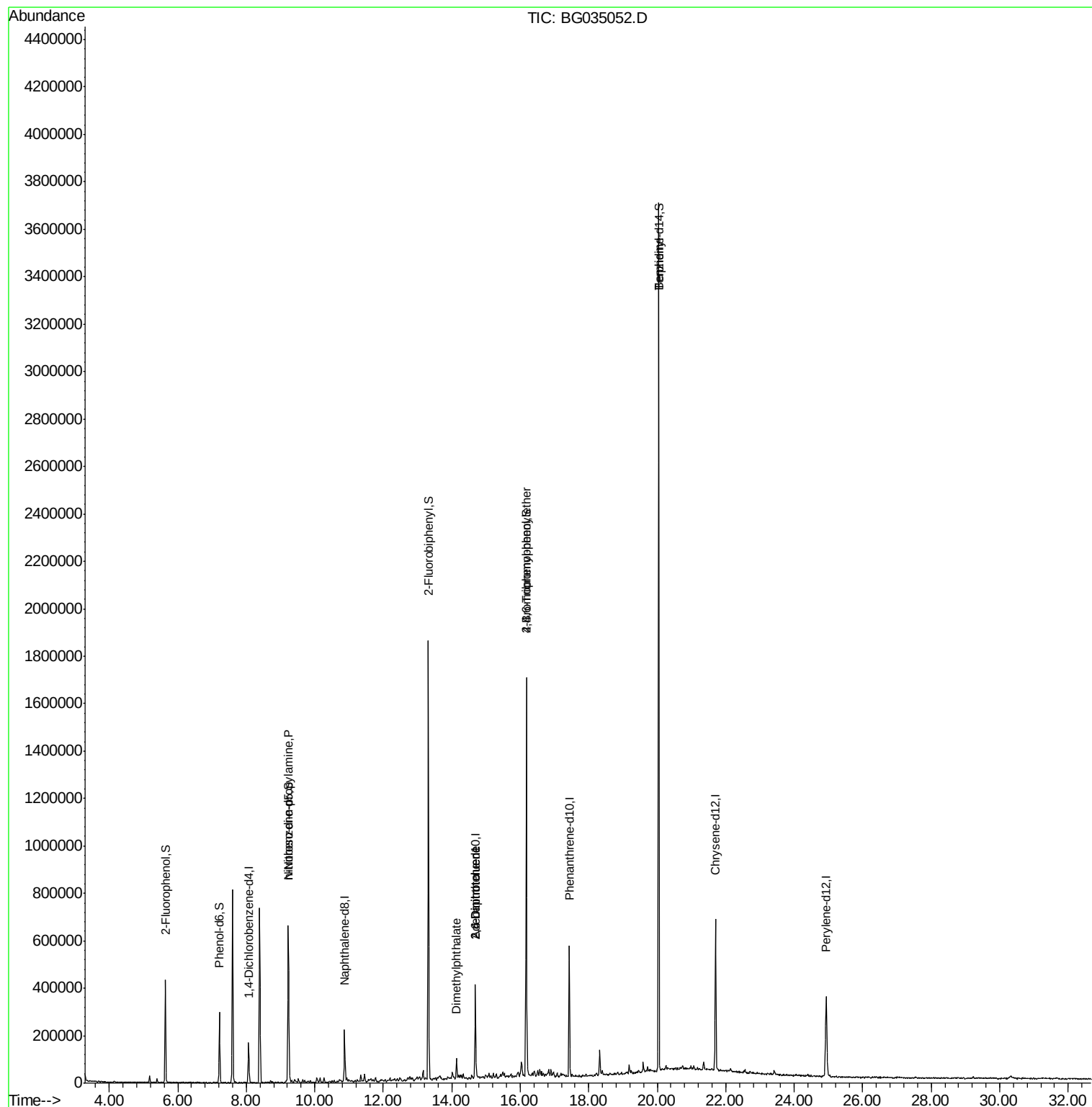
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46188	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	178999	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	130027	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	346707	20.00	ng	0.00
75) Chrysene-d12	21.70	240	381681	20.00	ng	-0.01
86) Perylene-d12	24.94	264	380687	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	184775	67.51	ng	0.00
7) Phenol-d6	7.22	99	172691	42.75	ng	0.00
23) Nitrobenzene-d5	9.23	82	440562	116.99	ng	-0.01
41) 2,4,6-Tribromophenol	16.18	330	304368	182.86	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	999342	99.91	ng	-0.01
78) Terphenyl-d14	20.04	244	1761934	96.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	60423	17.606	ng	# 70
49) Dimethylphthalate	14.14	163	52804	4.657	ng	# 98
50) 2,6-Dinitrotoluene	14.69	165	19081	9.224	ng	# 23
56) 2,4-Dinitrotoluene	14.69	165	19081	6.944	ng	# 21
66) 4-Bromophenyl-phenylether	16.18	248	24867	5.956	ng	# 1
76) Benzidine	20.04	184	32836	2.312	ng	# 92

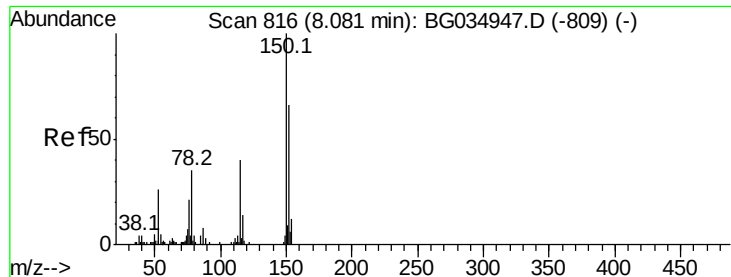
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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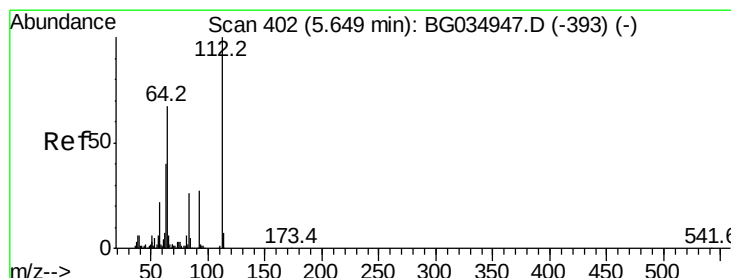
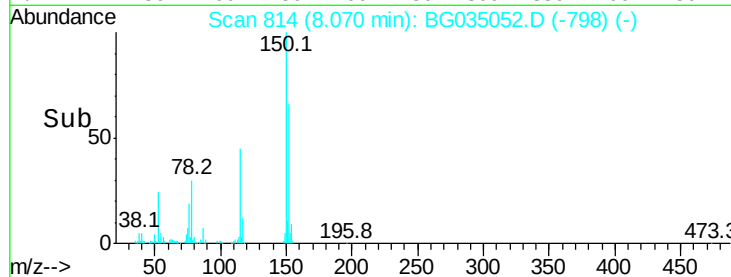
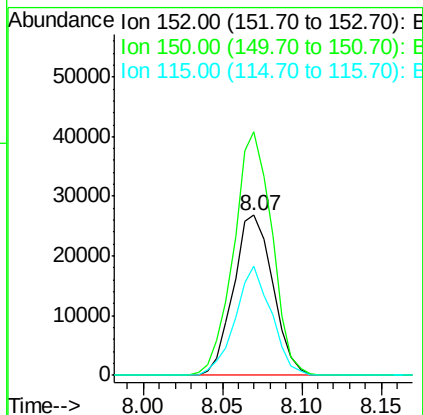
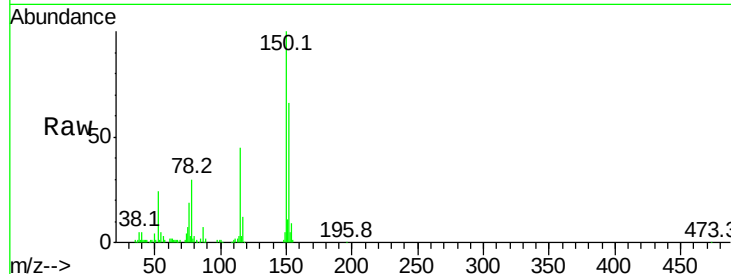


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

Instrument :
BNA_M
ClientSampleId :

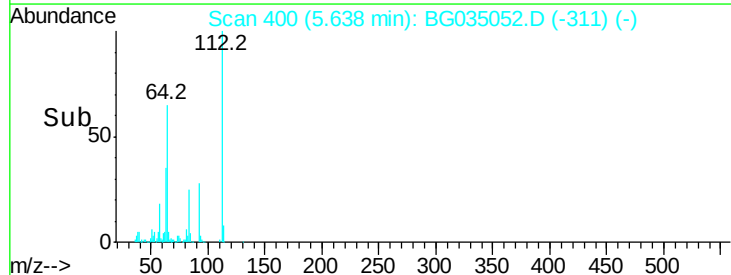
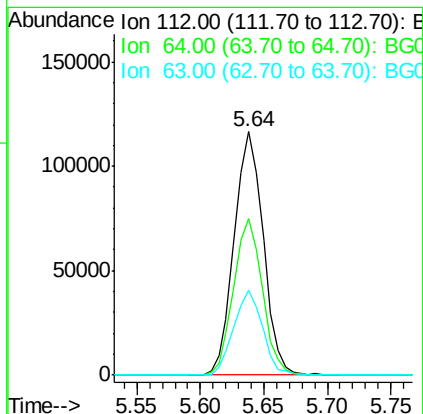
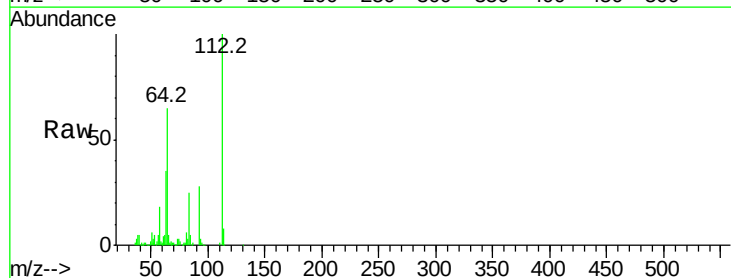
Tot Ion:152 Resp: 46188
Ion Ratio Lower Upper
152 100
150 152.3 126.6 189.8
115 68.3 53.0 79.4

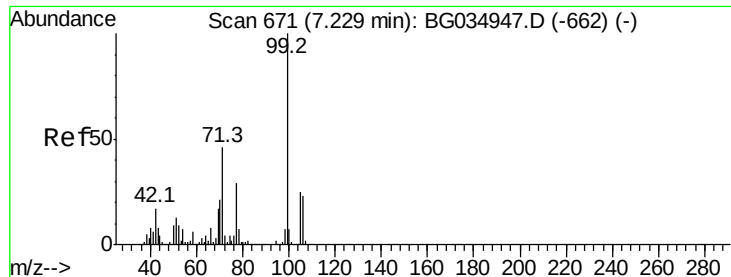


#5

2-Fluorophenol
Concen: 67.513 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

Tgt Ion:112 Resp: 184775
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 34.8 30.1 45.1





#7

Phenol-d6

Concen: 42.751 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

Instrument :

BNA_M

ClientSampled :

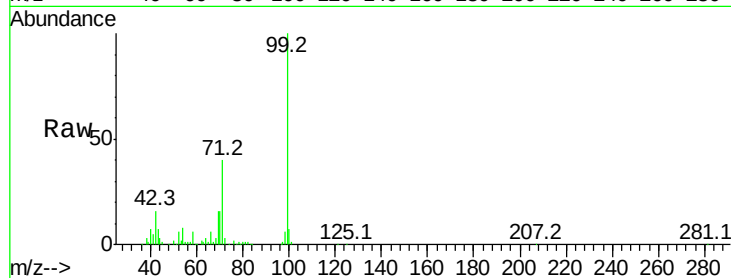
Tot Ion: 99 Resp: 172691

Ion Ratio Lower Upper

99 100

42 15.7 14.1 21.1

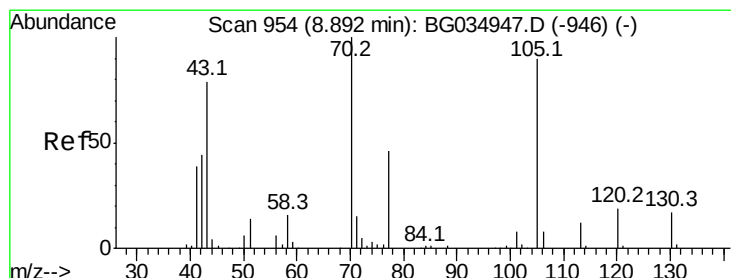
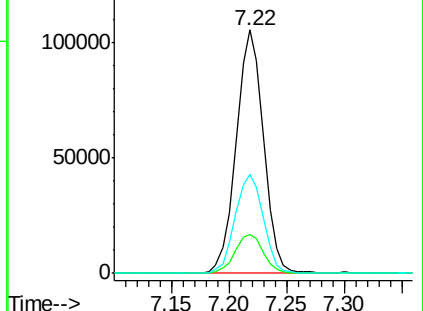
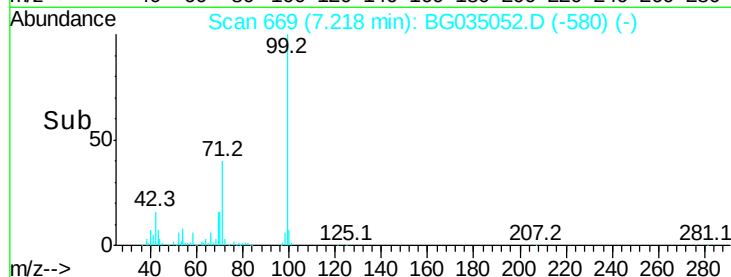
71 40.5 26.1 39.1#



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: 17.606 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

Tgt Ion: 70 Resp: 60423

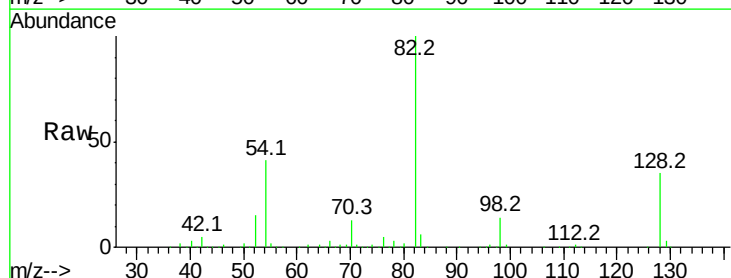
Ion Ratio Lower Upper

70 100

42 38.8 49.1 73.7#

101 0.0 8.5 12.7#

130 1.8 13.4 20.0#

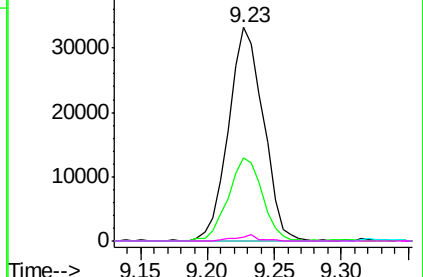
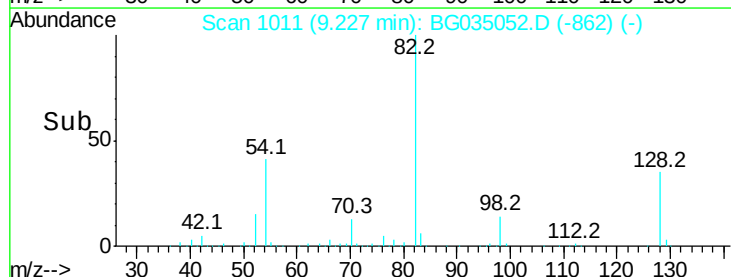


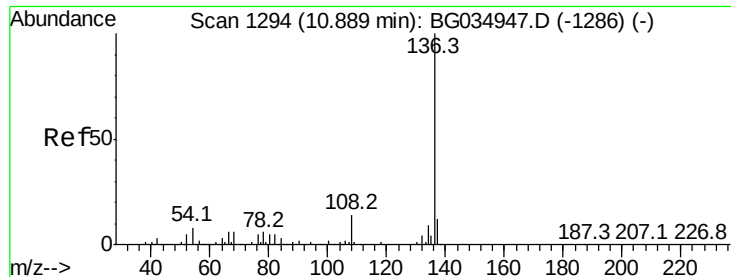
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

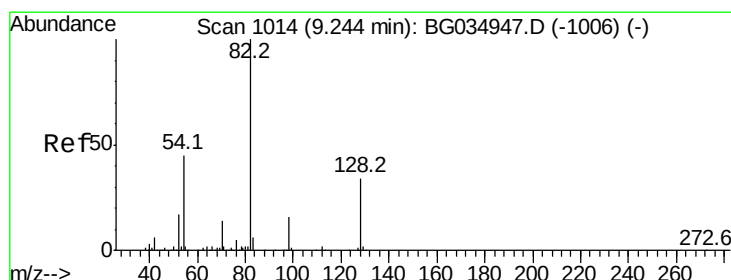
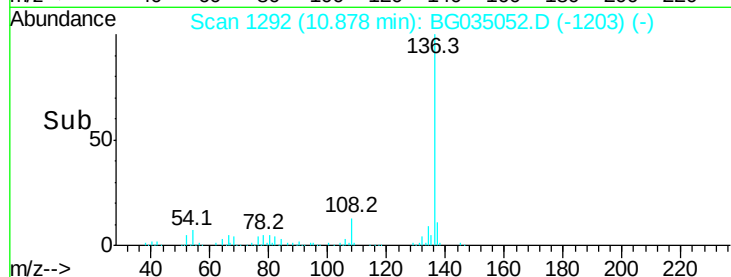
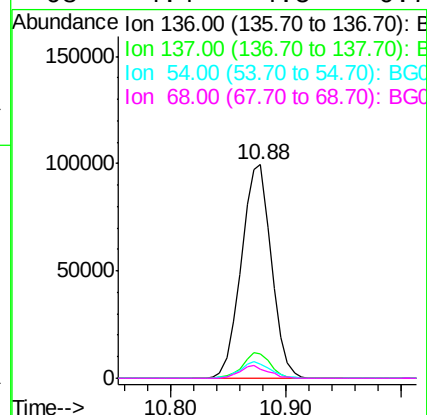
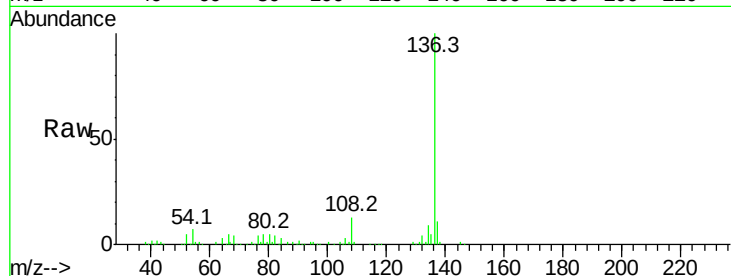




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

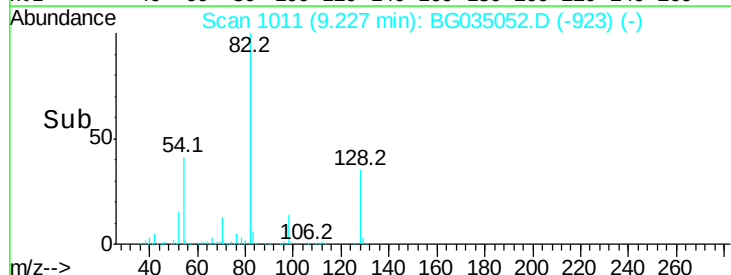
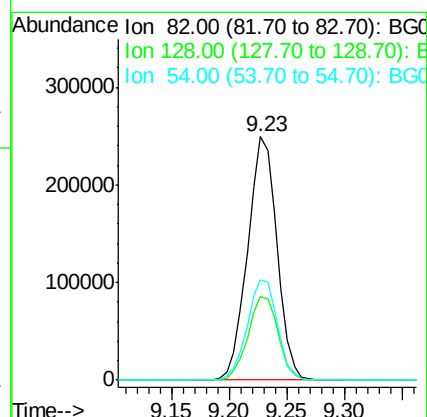
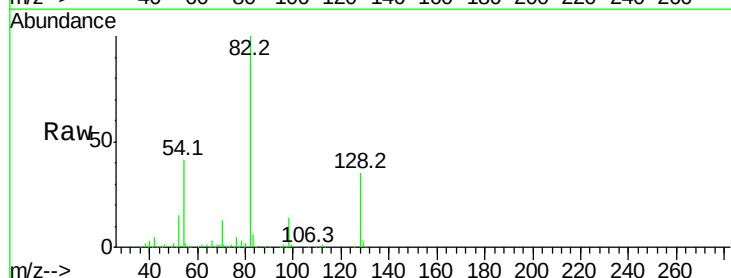
Instrument :
BNA_M
ClientSampleId :

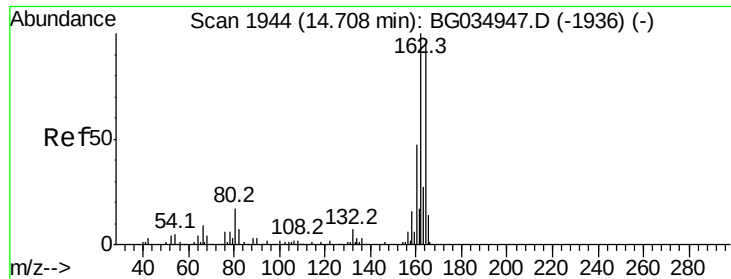
Tot Ion:136	Resp:	178999
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	6.8	10.3 15.5#
68	4.4	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 116.994 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

Tgt Ion: 82	Resp:	440562
Ion Ratio	Lower	Upper
82	100	
128	34.6	29.7 44.5
54	41.0	43.1 64.7#

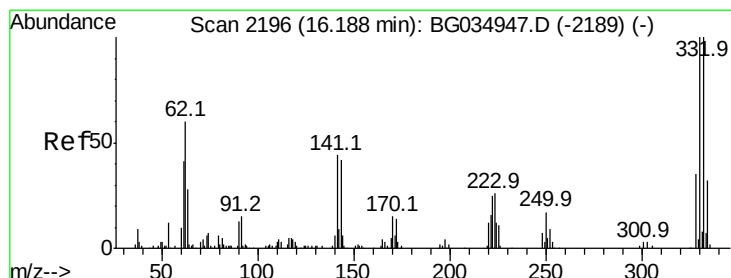
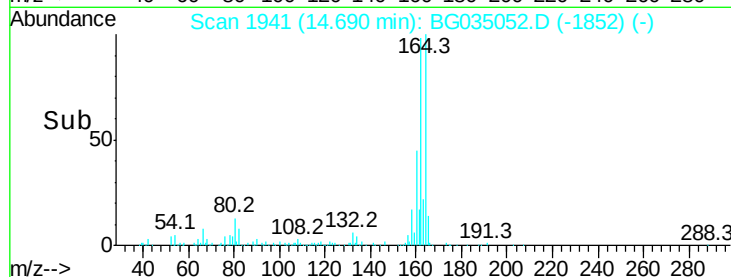
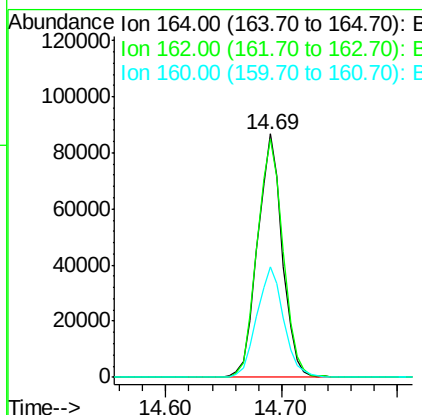
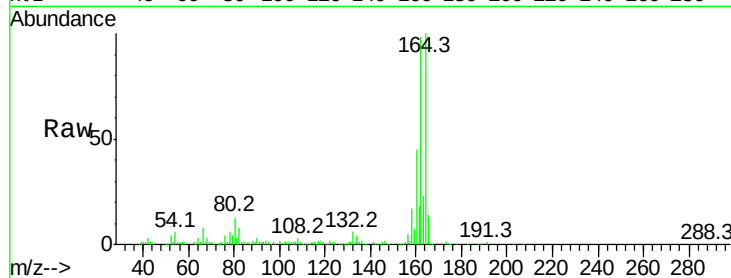




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

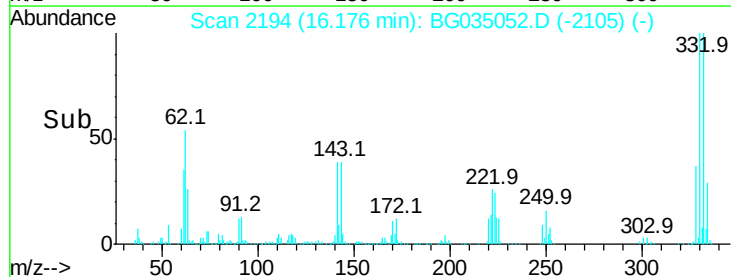
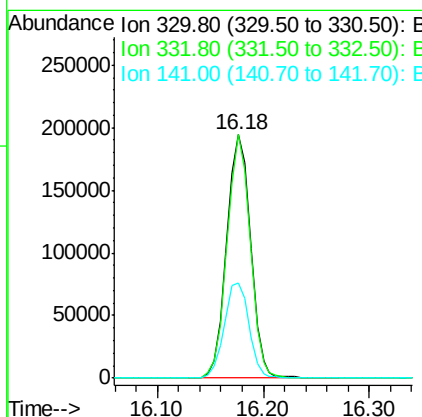
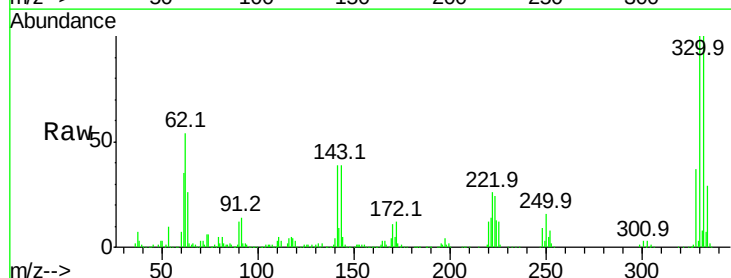
Instrument :
BNA_M
ClientSampleId :

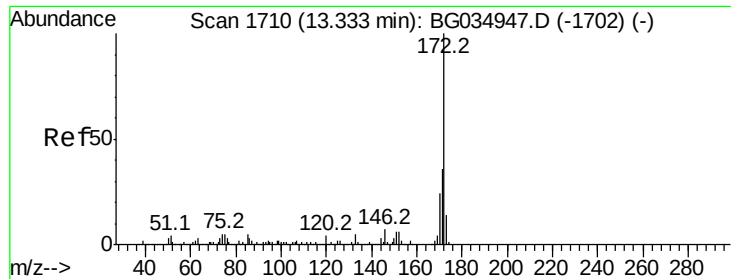
Tot Ion:164 Resp: 130027
Ion Ratio Lower Upper
164 100
162 97.8 78.8 118.2
160 45.3 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 182.857 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

Tgt Ion:330 Resp: 304368
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 40.5 25.2 37.8#

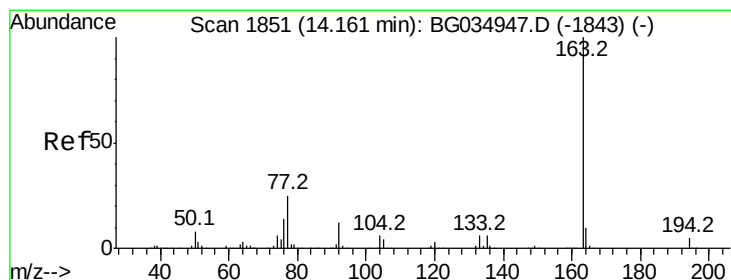
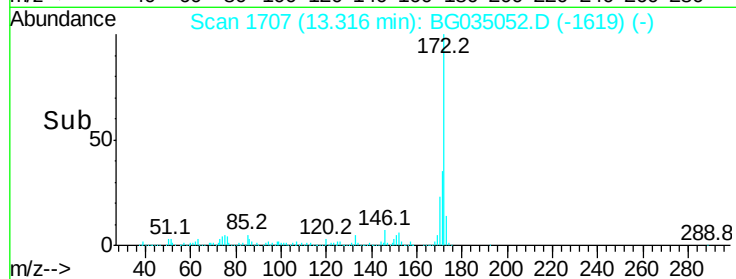
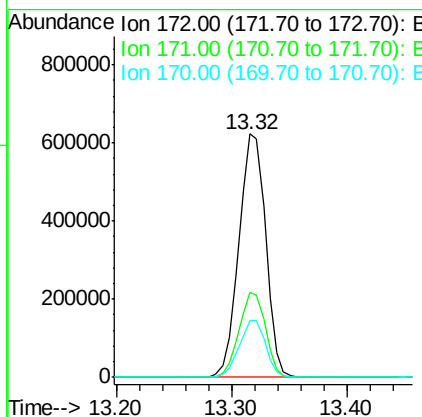
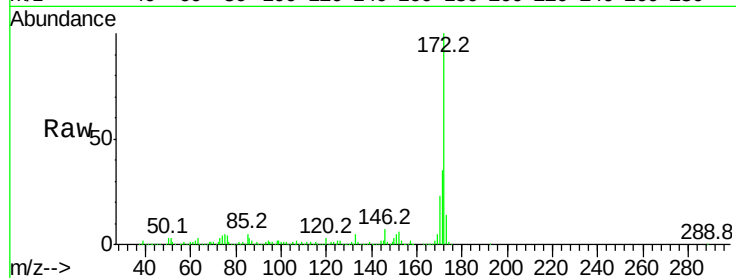




#44
2-Fluorobiphenyl
Concen: 99.913 ng
RT: 13.32 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

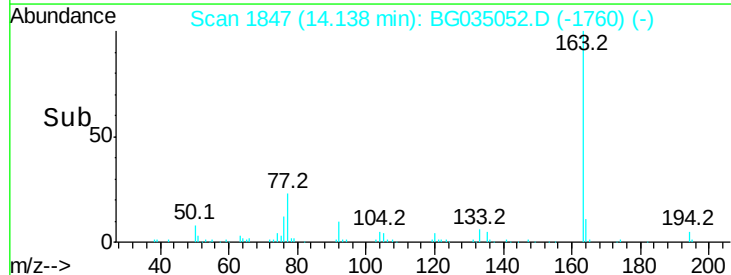
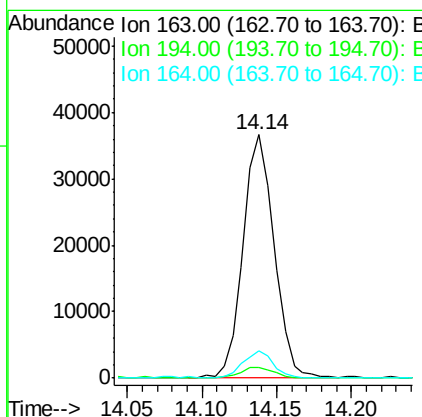
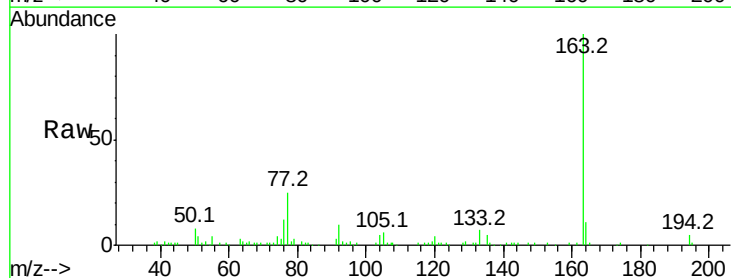
Instrument :
BNA_M
ClientSampled :

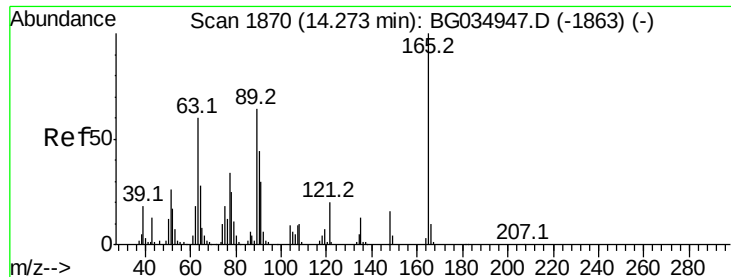
Tot Ion:172 Resp: 999342
Ion Ratio Lower Upper
172 100
171 34.8 30.0 45.0
170 23.4 19.5 29.3



#49
Dimethylphthalate
Concen: 4.657 ng
RT: 14.14 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BG035052.D
Acq: 12 Jun 2018 4:34

Tgt Ion:163 Resp: 52804
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 11.5 8.2 12.4

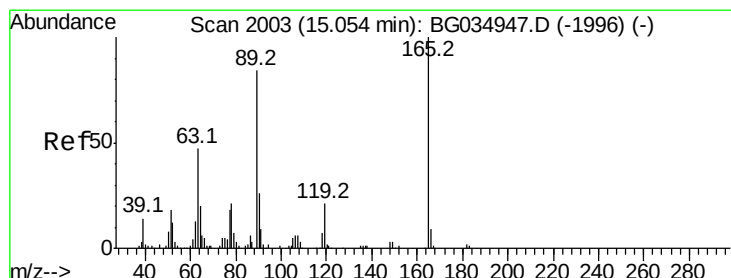
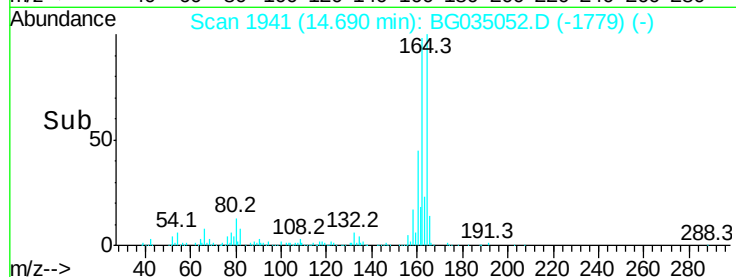
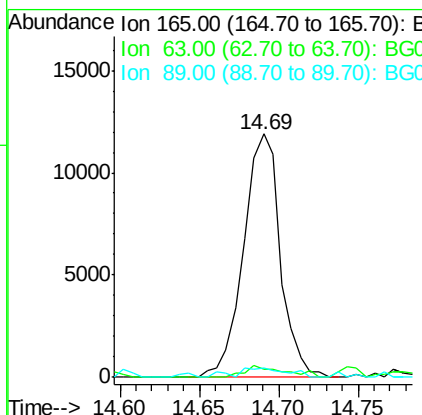
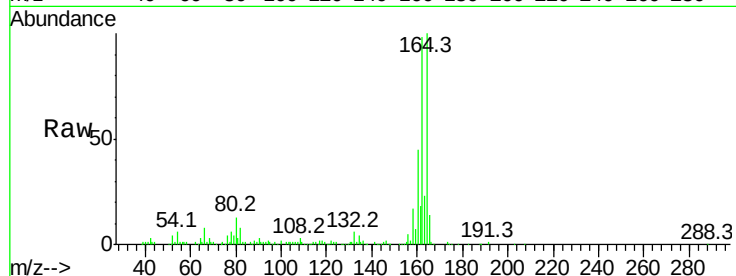




#50
 2,6-Dinitrotoluene
 Concen: 9.224 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. 0.42 min
 Lab File: BG035052.D
 Acq: 12 Jun 2018 4:34

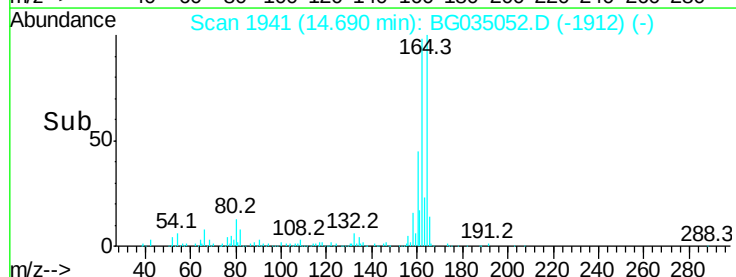
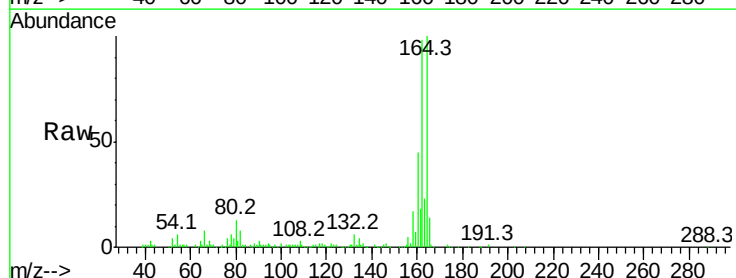
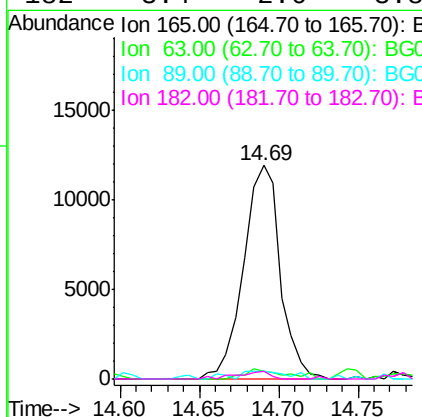
Instrument :
 BNA_M
 ClientSampleId :

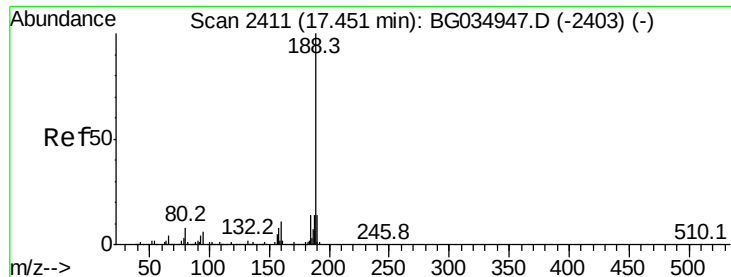
Tot Ion	Ratio	Lower	Upper
165	100		
63	3.5	52.7	79.1#
89	3.9	49.2	73.8#



#56
 2,4-Dinitrotoluene
 Concen: 6.944 ng
 RT: 14.69 min Scan# 1941
 Delta R.T. -0.36 min
 Lab File: BG035052.D
 Acq: 12 Jun 2018 4:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.5	42.0	63.0#
89	3.9	66.9	100.3#
182	3.4	2.6	3.8





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

Instrument :

BNA_M

ClientSampleId :

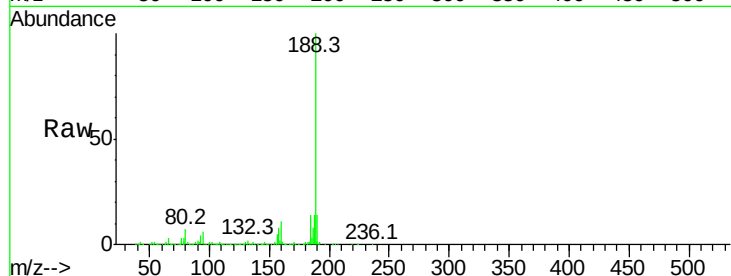
Tot Ion:188 Resp: 346707

Ion Ratio Lower Upper

188 100

94 6.3 6.9 10.3#

80 7.0 7.7 11.5#

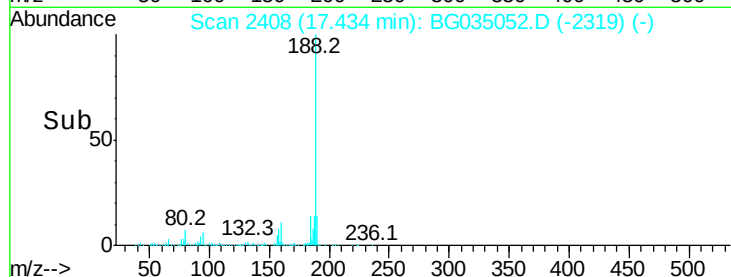


Abundance Ion 188.00 (187.70 to 188.70): E

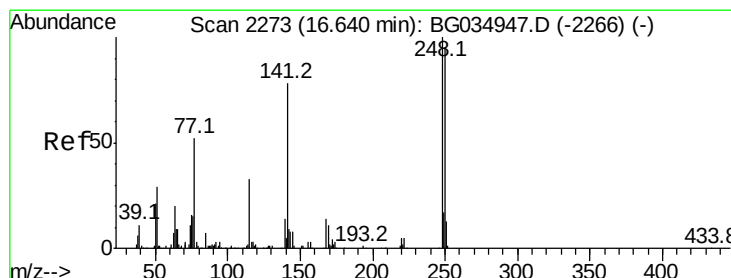
Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

17.43



Time-->



#66

4-Bromophenyl-phenylether

Concen: 5.956 ng

RT: 16.18 min Scan# 2194

Delta R.T. -0.46 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

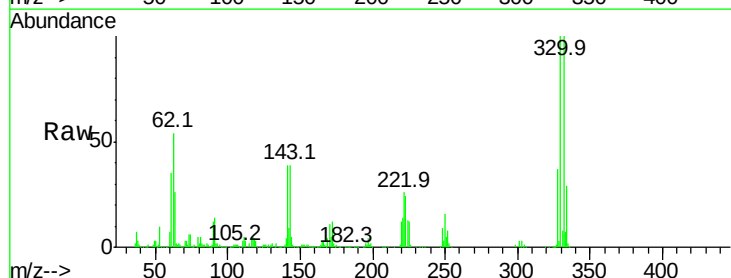
Tgt Ion:248 Resp: 24867

Ion Ratio Lower Upper

248 100

250 186.7 77.1 115.7#

141 447.3 50.8 76.2#

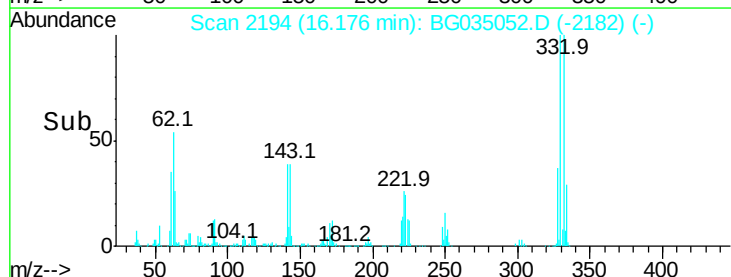


Abundance Ion 248.00 (247.70 to 248.70): E

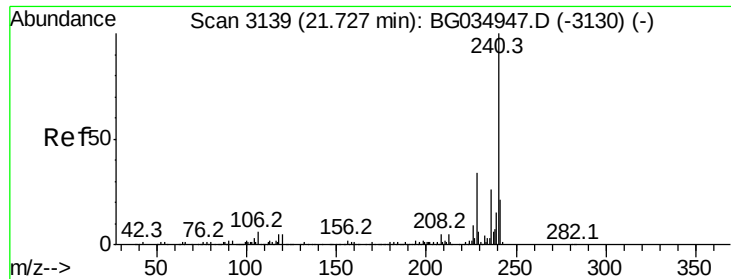
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.18



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

Instrument :

BNA_M

ClientSampleId :

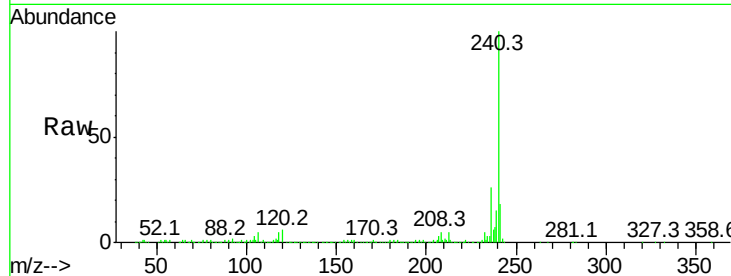
Tot Ion:240 Resp: 381681

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

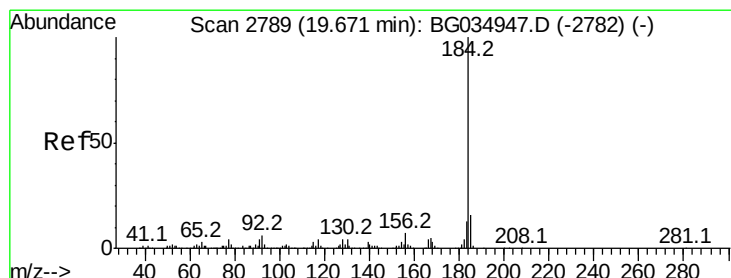
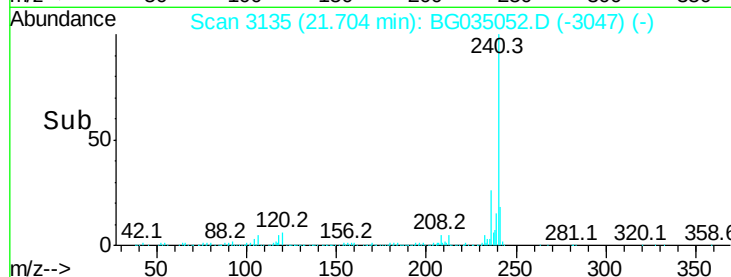
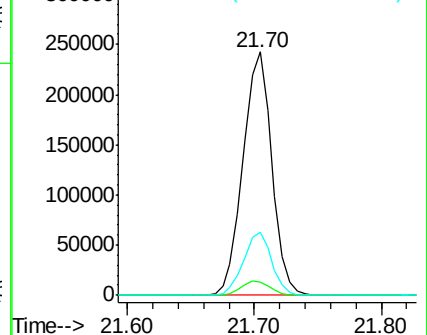
236 25.9 20.9 31.3



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: 2.312 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

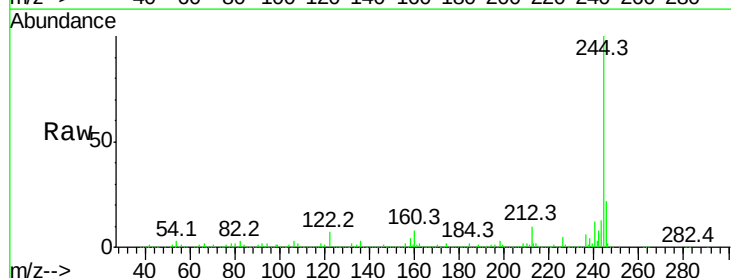
Tgt Ion:184 Resp: 32836

Ion Ratio Lower Upper

184 100

185 16.7 11.1 16.7

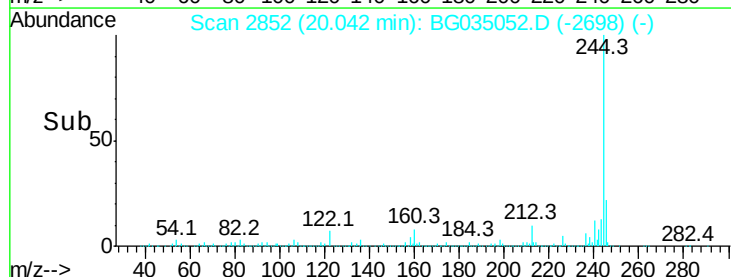
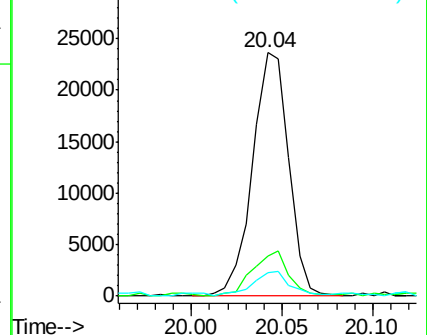
183 9.8 10.6 16.0#

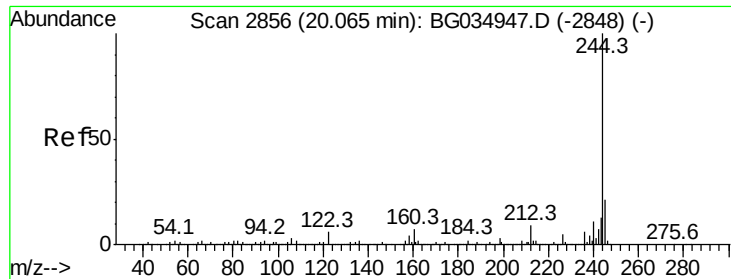


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.695 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

Instrument :

BNA_M

ClientSampleId :

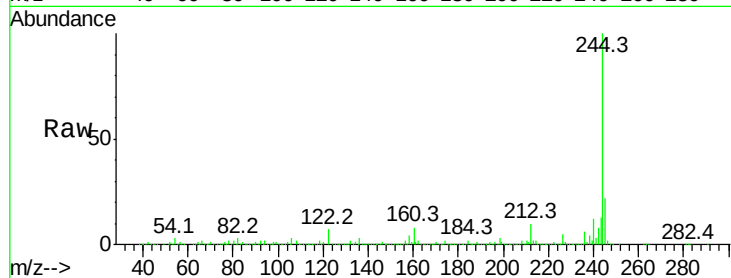
Tot Ion:244 Resp: 1761934

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

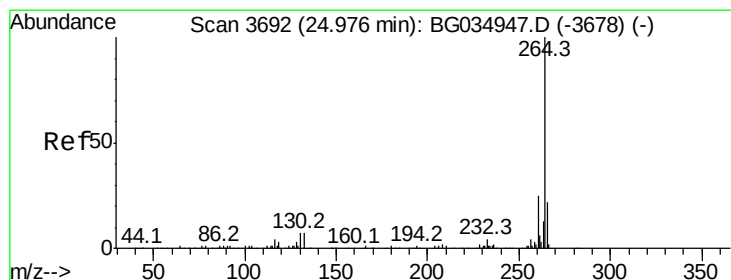
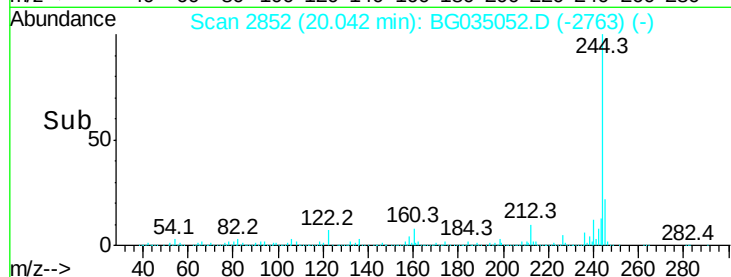
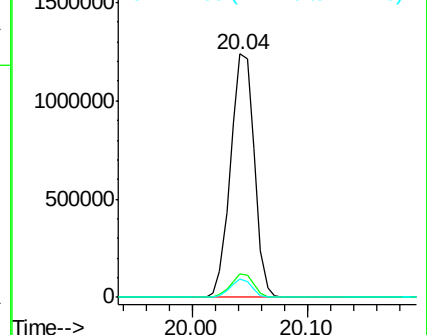
122 7.3 7.0 10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.02 min

Lab File: BG035052.D

Acq: 12 Jun 2018 4:34

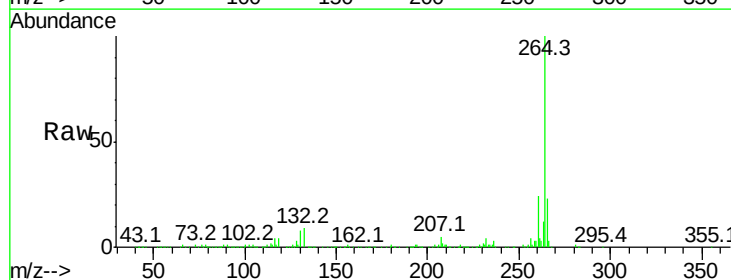
Tgt Ion:264 Resp: 380687

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 23.0 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

