

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061418\
 Data File : BG035161.D
 Acq On : 15 Jun 2018 6:49
 Operator : SJ/JU
 Sample : J3459-02
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-RO-341

Quant Time: Jun 15 08:56:54 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

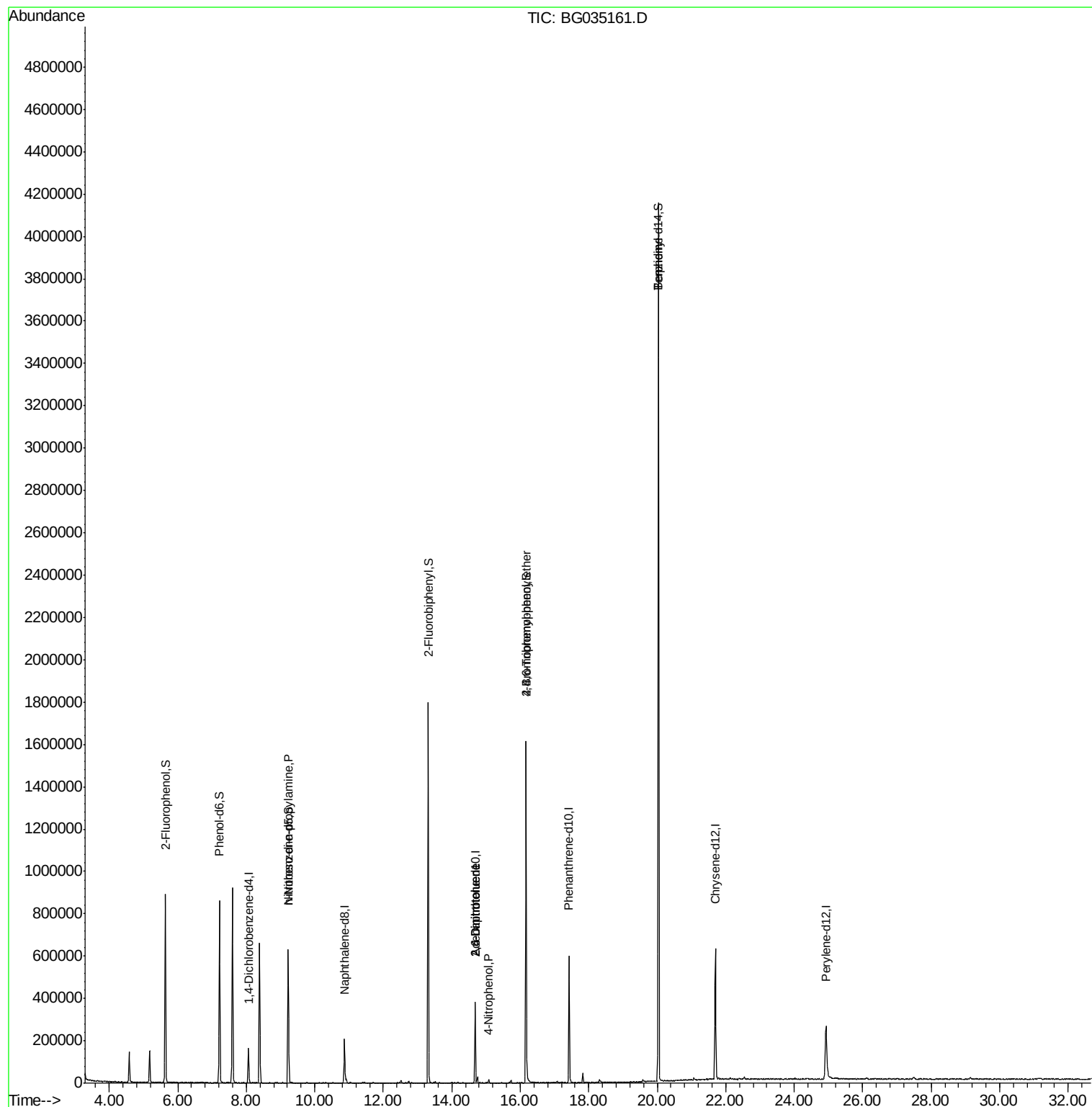
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	45445	20.00	ng	-0.01
21) Naphthalene-d8	10.87	136	170629	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	131171	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	367951	20.00	ng	-0.01
75) Chrysene-d12	21.70	240	406067	20.00	ng	-0.02
86) Perylene-d12	24.93	264	344753	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	377527	140.20	ng	0.00
7) Phenol-d6	7.22	99	522344	131.42	ng	0.00
23) Nitrobenzene-d5	9.23	82	419349	116.82	ng	-0.01
41) 2,4,6-Tribromophenol	16.17	330	294325	175.28	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	950430	94.19	ng	-0.02
78) Terphenyl-d14	20.04	244	1941995	100.18	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	56793	16.819	ng	# 69
50) 2,6-Dinitrotoluene	14.68	165	16663	7.985	ng	# 18
55) 4-Nitrophenol	15.08	139	4555	2.636	ng	# 1
56) 2,4-Dinitrotoluene	14.68	165	16663	6.011	ng	# 16
66) 4-Bromophenyl-phenylether	16.17	248	24134	5.447	ng	# 1
76) Benzidine	20.04	184	33161	2.195	ng	# 87

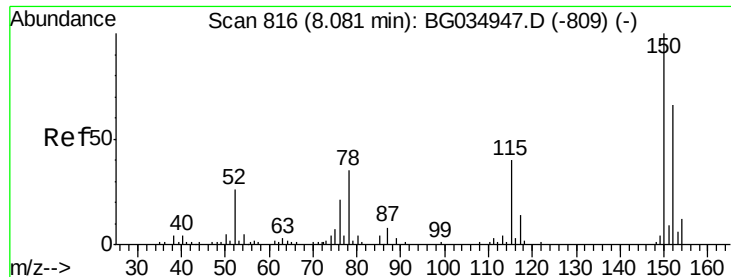
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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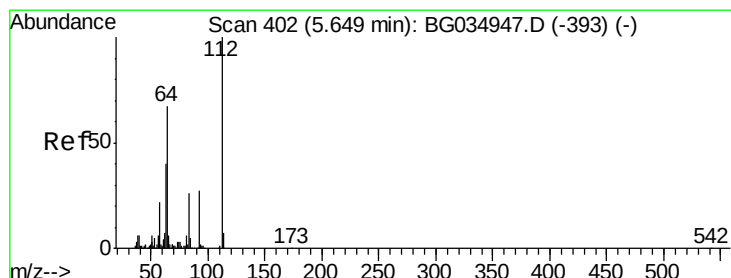
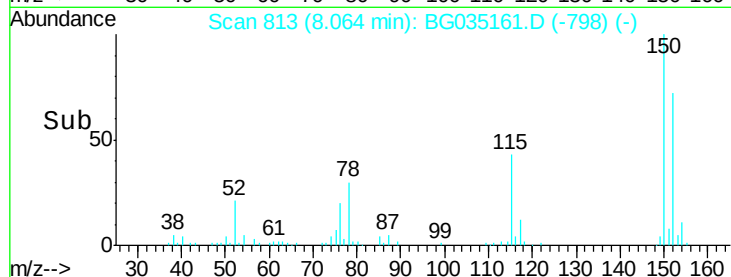
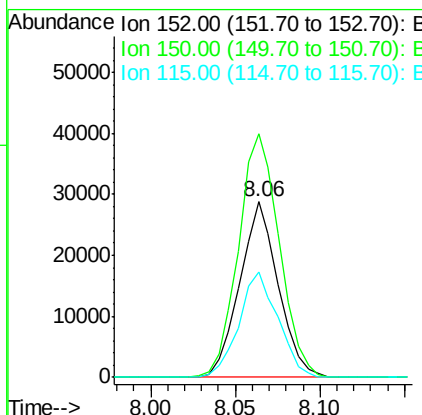
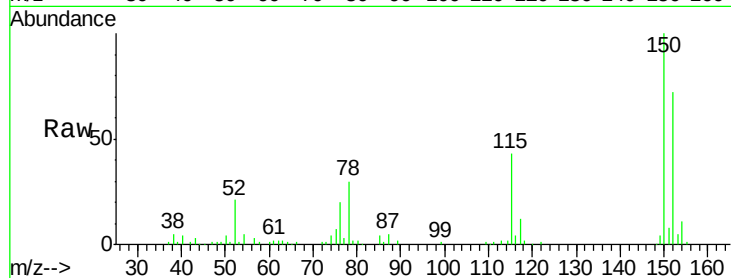




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BG035161.D
 Acq: 15 Jun 2018 6:49

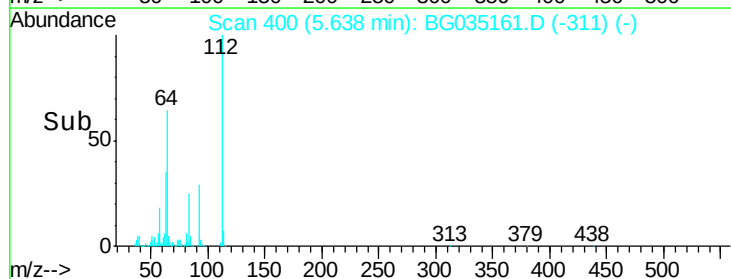
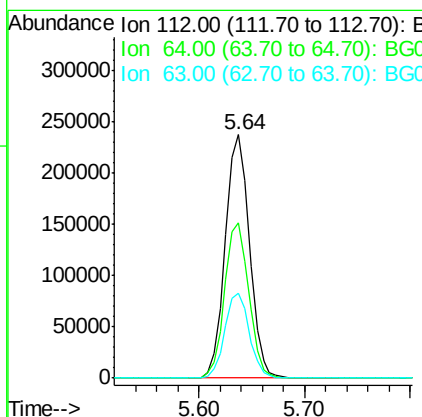
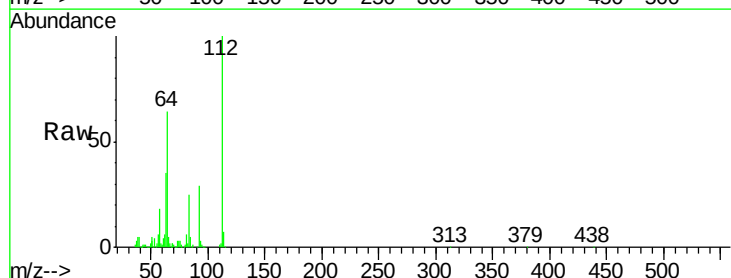
Instrument :
 BNA_G
 ClientSampleId :
 MH-RO-341

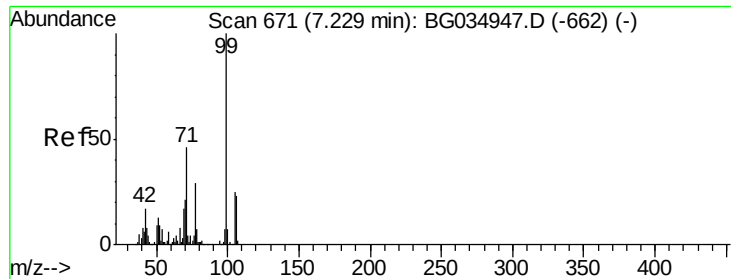
Tgt Ion:152 Resp: 45445
 Ion Ratio Lower Upper
 152 100
 150 138.6 126.6 189.8
 115 60.1 53.0 79.4



#5
 2-Fluorophenol
 Concen: 140.195 ng
 RT: 5.64 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: BG035161.D
 Acq: 15 Jun 2018 6:49

Tgt Ion:112 Resp: 377527
 Ion Ratio Lower Upper
 112 100
 64 63.6 56.3 84.5
 63 34.9 30.1 45.1





#7

Phenol-d6

Concen: 131.424 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

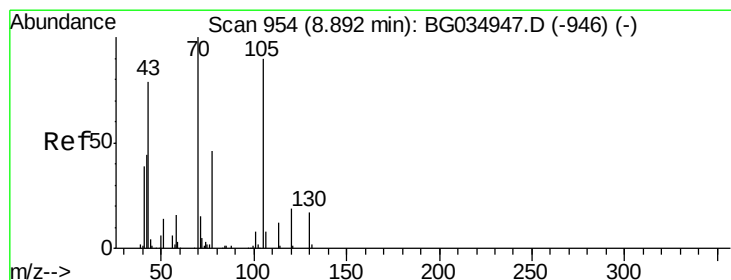
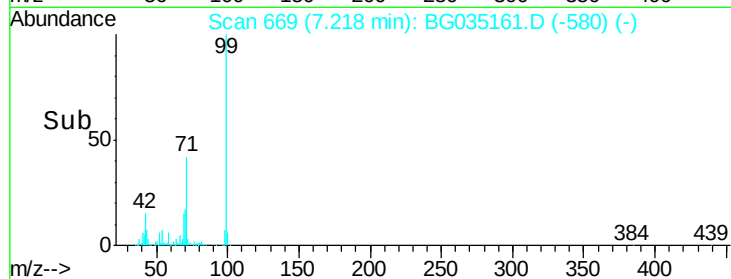
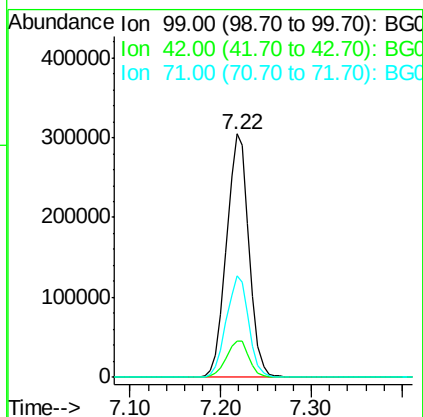
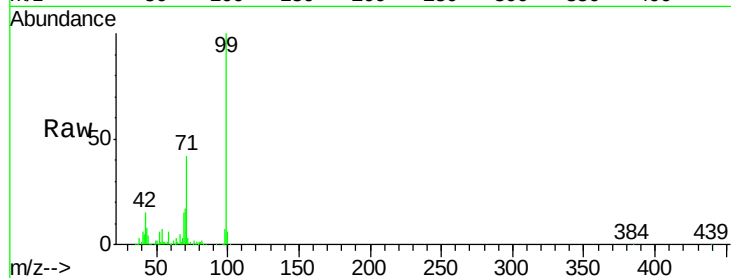
Tgt Ion: 99 Resp: 522344

Ion Ratio Lower Upper

99 100

42 14.8 14.1 21.1

71 41.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 16.819 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Tgt Ion: 70 Resp: 56793

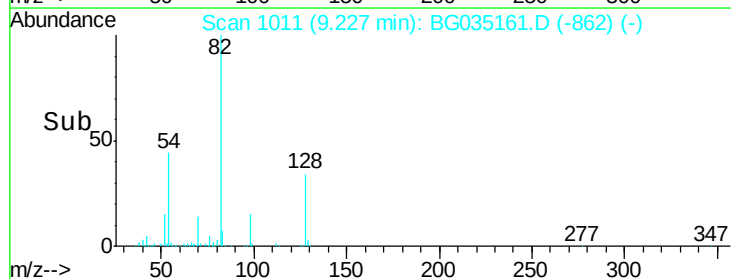
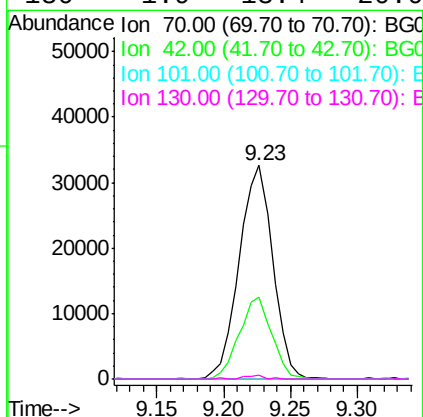
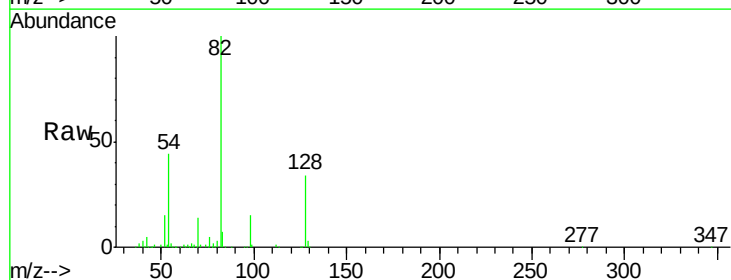
Ion Ratio Lower Upper

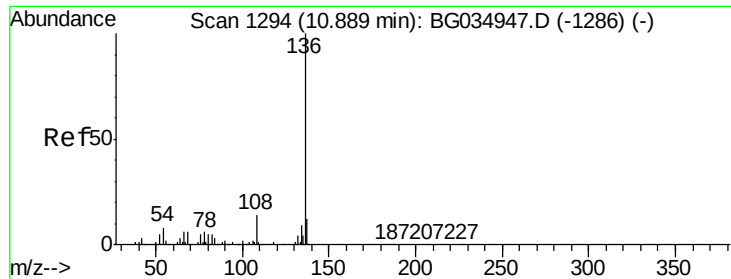
70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.9 13.4 20.0#

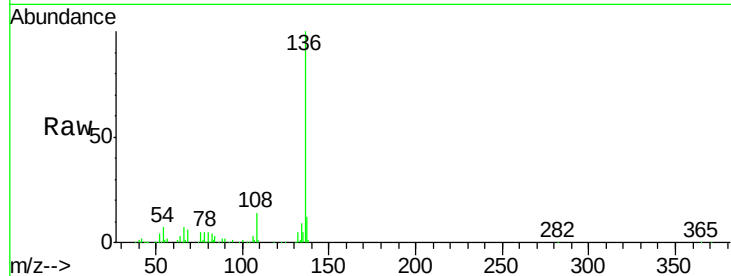




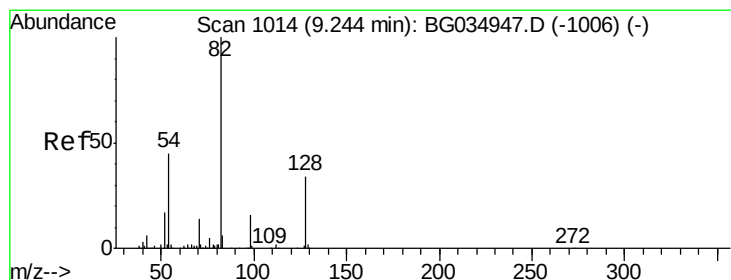
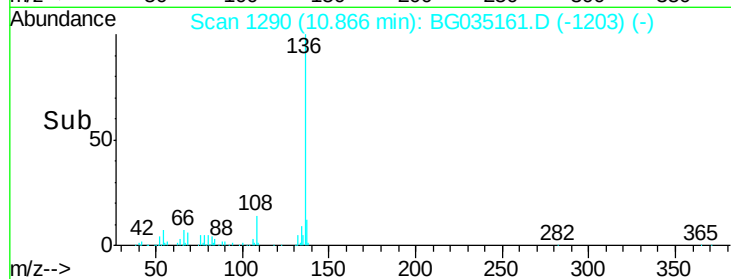
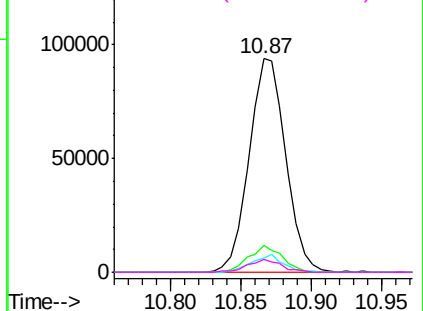
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035161.D
Acq: 15 Jun 2018 6:49

Instrument :
BNA_G
ClientSampleId :
MH-RO-341

Tgt Ion:	136	Resp:	170629
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.2	13.8
54	6.8	10.3	15.5
68	5.8	4.5	6.7

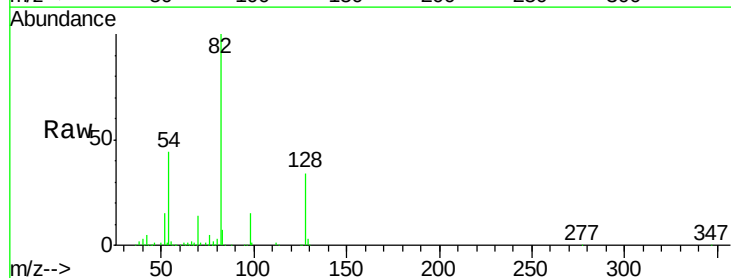


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

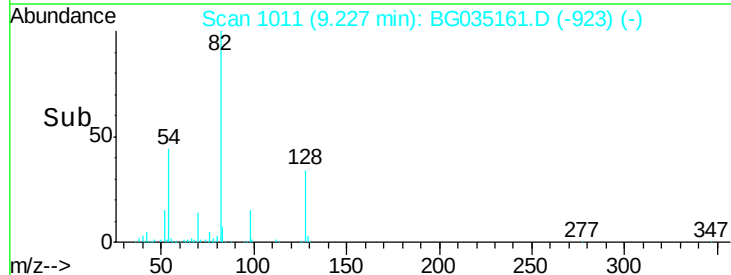
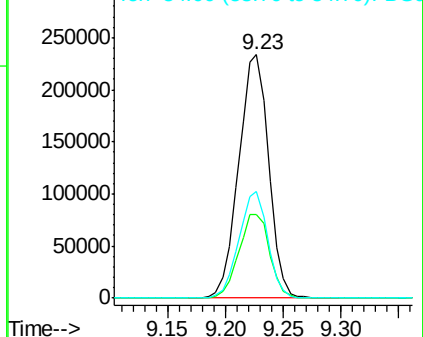


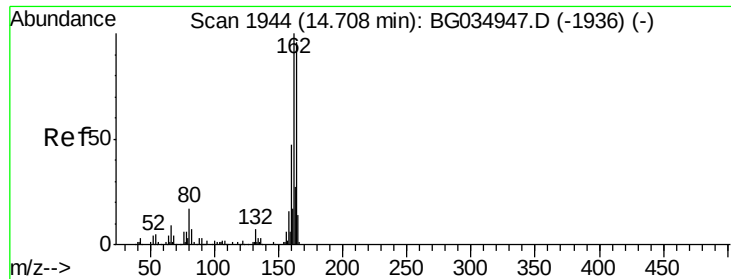
#23
Nitrobenzene-d5
Concen: 116.824 ng
RT: 9.23 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BG035161.D
Acq: 15 Jun 2018 6:49

Tgt Ion:	82	Resp:	419349
Ion	Ratio	Lower	Upper
82	100		
128	34.4	29.7	44.5
54	43.9	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: 14.68 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

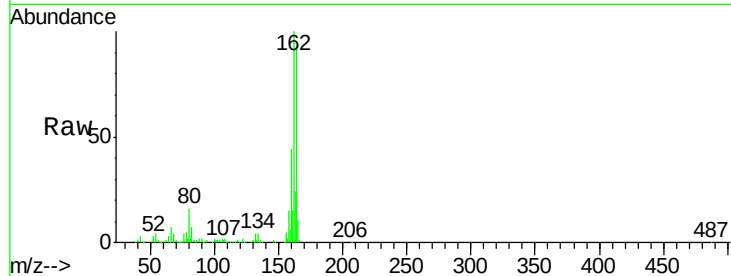
Tgt Ion:164 Resp: 131171

Ion Ratio Lower Upper

164 100

162 107.0 78.8 118.2

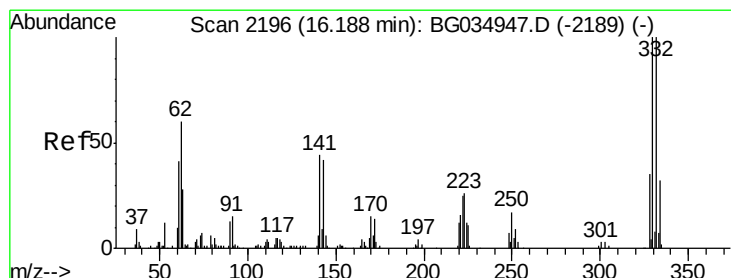
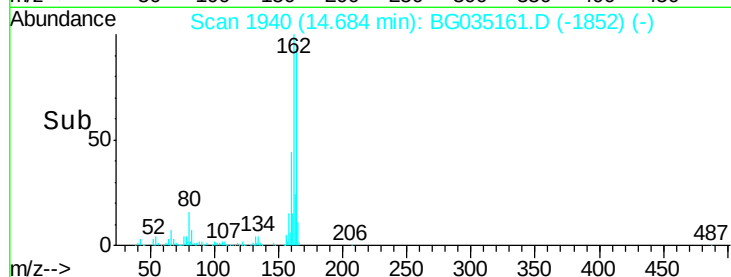
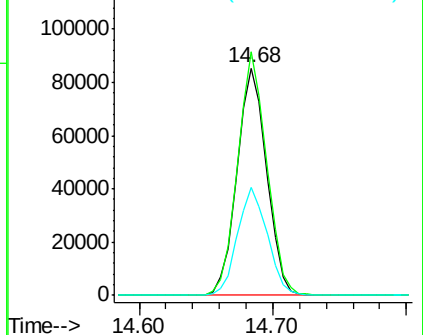
160 47.2 35.4 53.0



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: 175.282 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

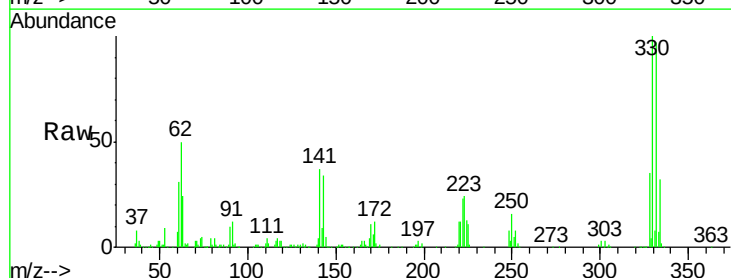
Tgt Ion:330 Resp: 294325

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

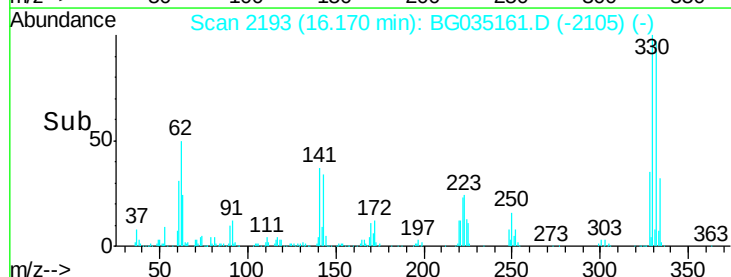
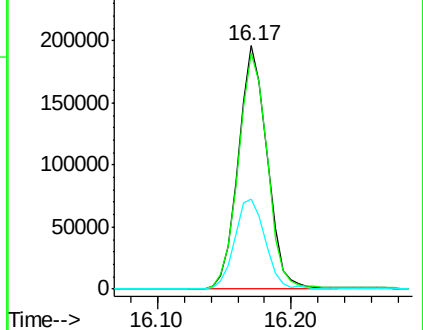
141 39.3 25.2 37.8#

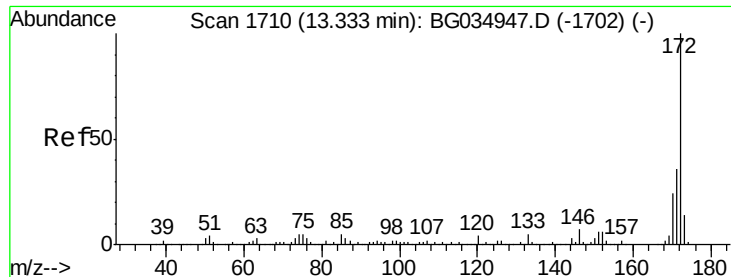


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

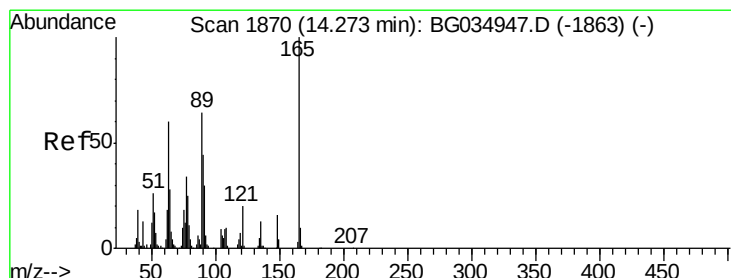
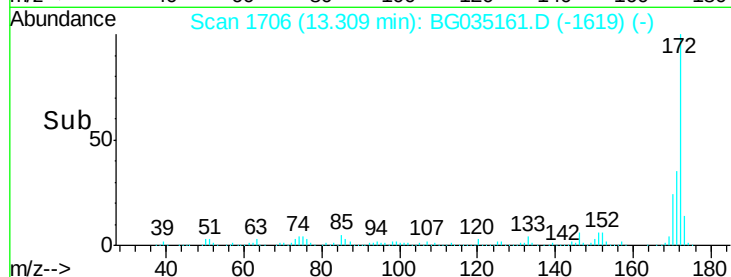
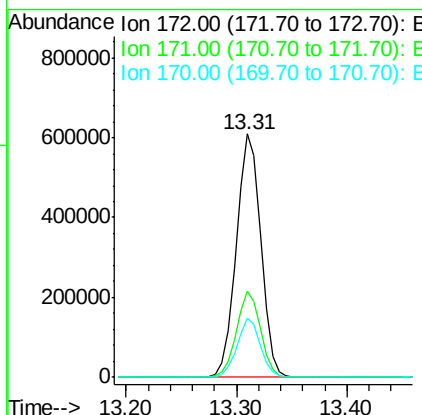
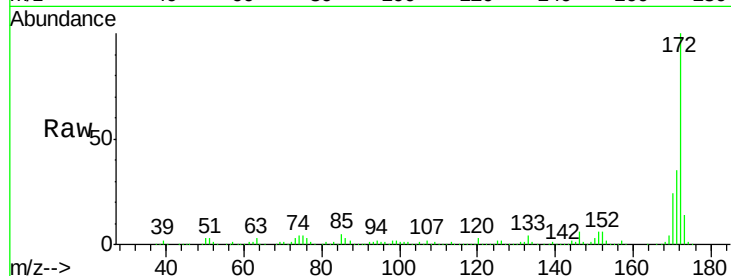




#44
 2-Fluorobiphenyl
 Concen: 94.194 ng
 RT: 13.31 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BG035161.D
 Acq: 15 Jun 2018 6:49

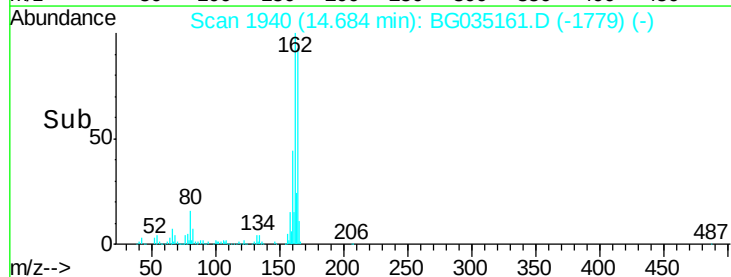
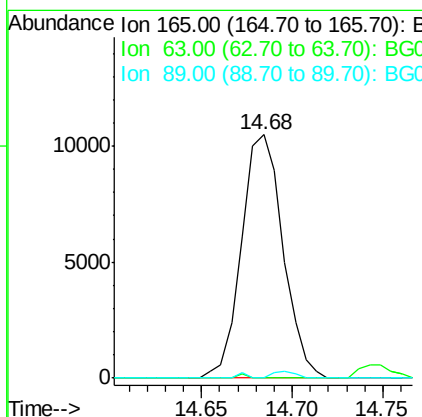
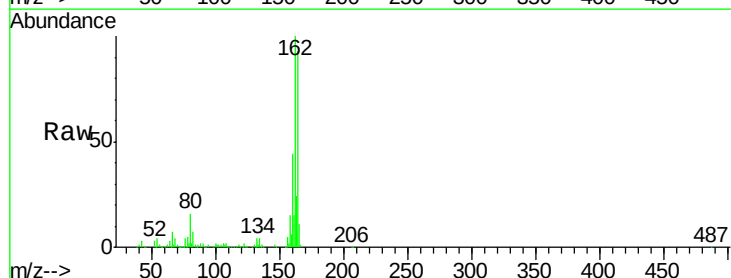
Instrument :
 BNA_G
 ClientSampleId :
 MH-RO-341

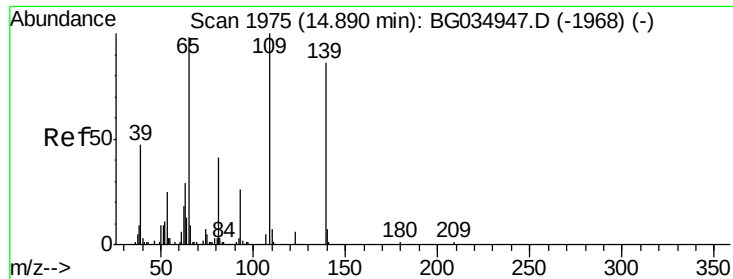
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.0	45.0
170	24.4	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.985 ng
 RT: 14.68 min Scan# 1940
 Delta R.T. 0.42 min
 Lab File: BG035161.D
 Acq: 15 Jun 2018 6:49

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





#55

4-Nitrophenol

Concen: 2.636 ng

RT: 15.08 min Scan# 2007

Delta R.T. 0.19 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

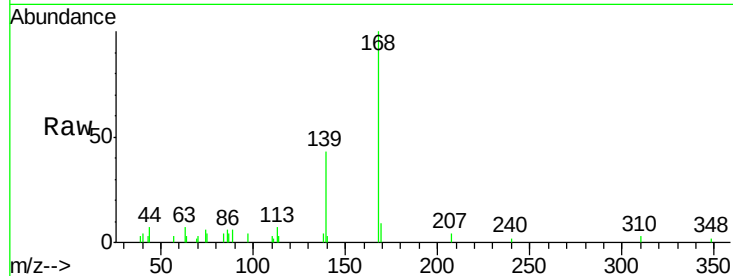
Tgt Ion:139 Resp: 4555

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

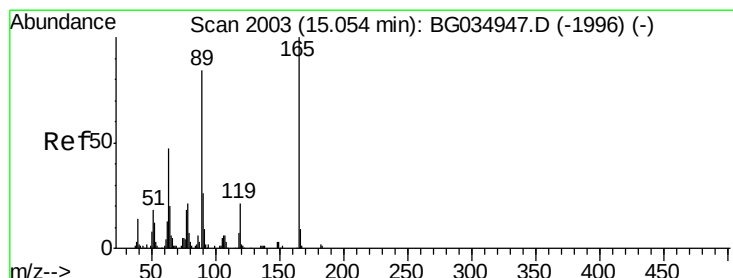
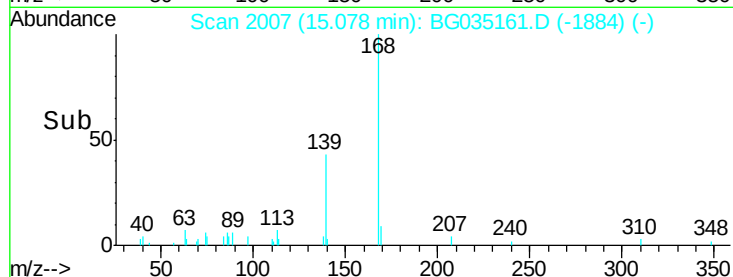
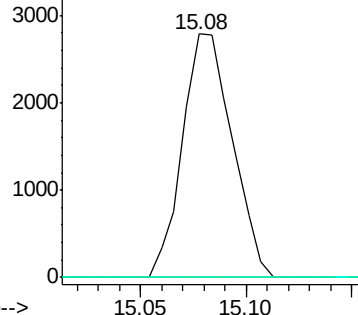
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 6.011 ng

RT: 14.68 min Scan# 1940

Delta R.T. -0.36 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Tgt Ion:165 Resp: 16663

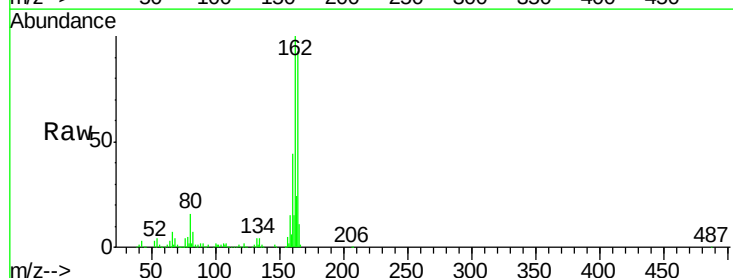
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

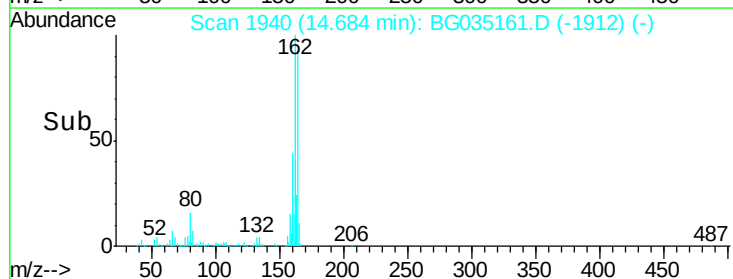
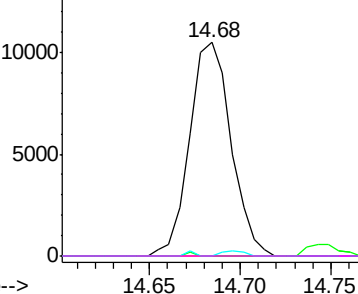


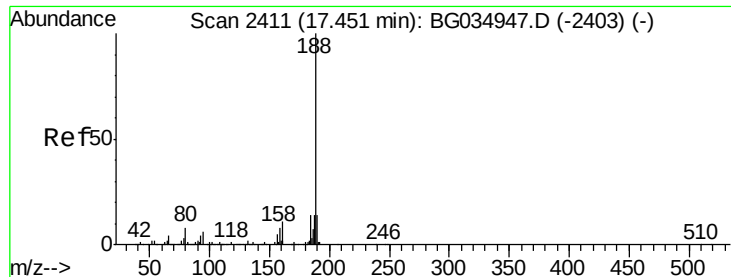
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.43 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

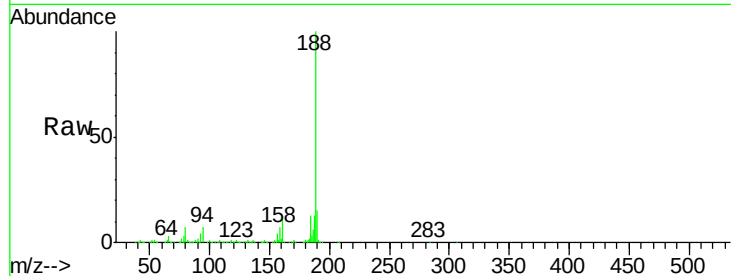
Tgt Ion:188 Resp: 367951

Ion Ratio Lower Upper

188 100

94 6.6 6.9 10.3#

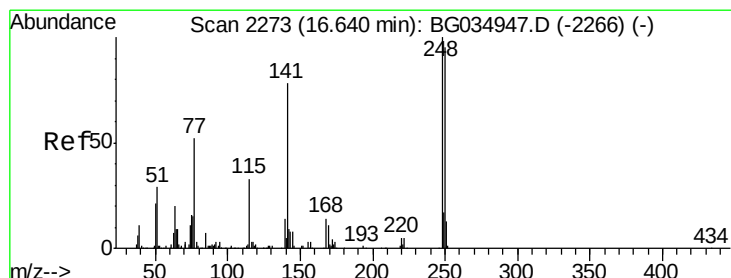
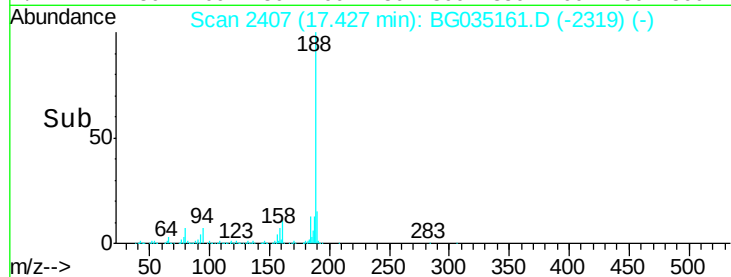
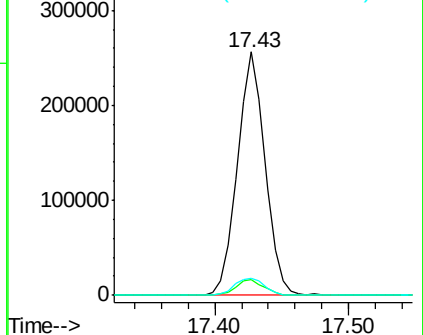
80 7.1 7.7 11.5#



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: 5.447 ng

RT: 16.17 min Scan# 2193

Delta R.T. -0.46 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

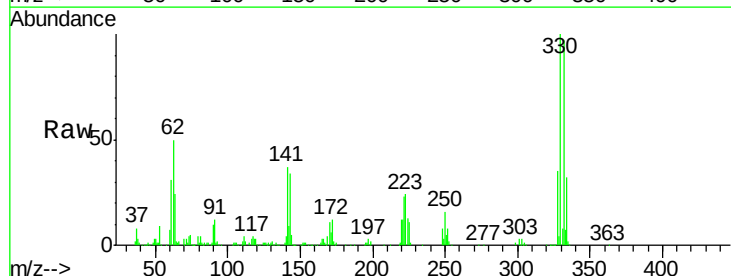
Tgt Ion:248 Resp: 24134

Ion Ratio Lower Upper

248 100

250 196.3 77.1 115.7#

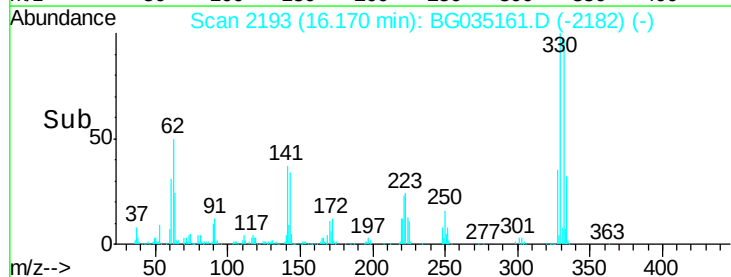
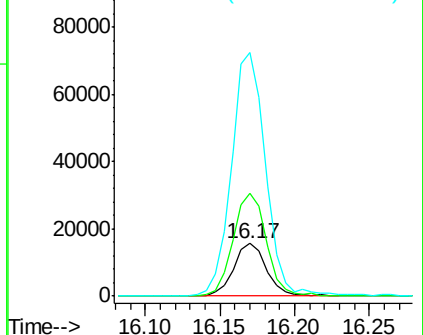
141 464.1 50.8 76.2#

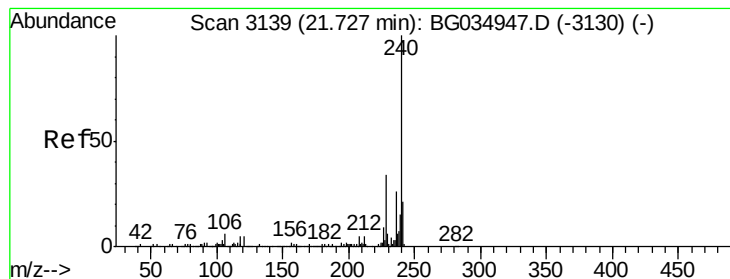


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.70 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

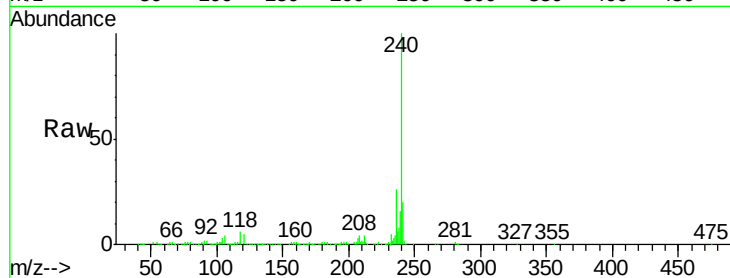
Tgt Ion:240 Resp: 406067

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

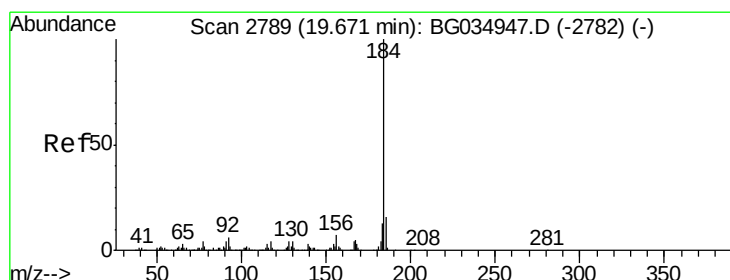
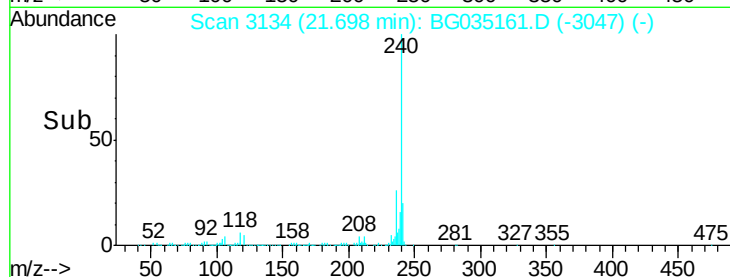
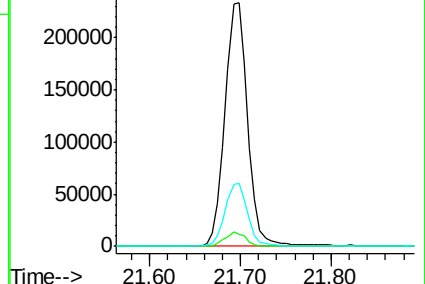
236 26.0 20.9 31.3



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: 2.195 ng

RT: 20.04 min Scan# 2851

Delta R.T. 0.37 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

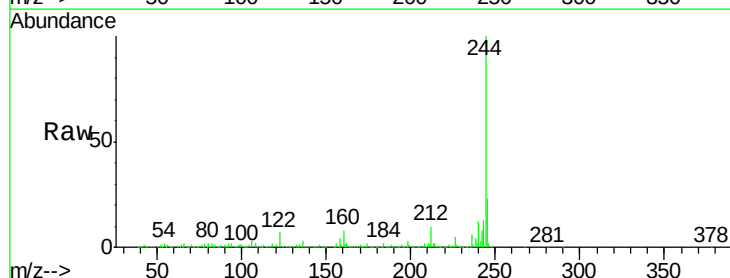
Tgt Ion:184 Resp: 33161

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

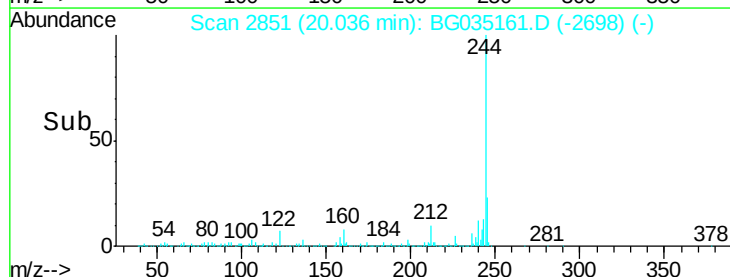
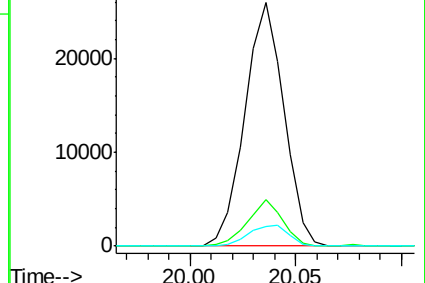
183 8.1 10.6 16.0#

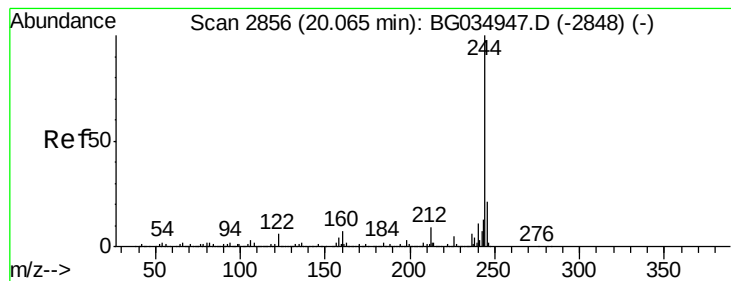


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.177 ng

RT: 20.04 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

Instrument :

BNA_G

ClientSampleId :

MH-RO-341

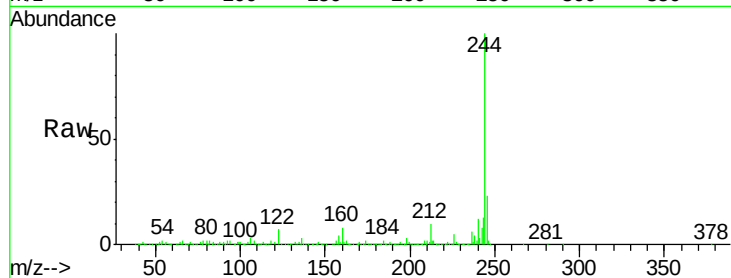
Tgt Ion:244 Resp: 1941995

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

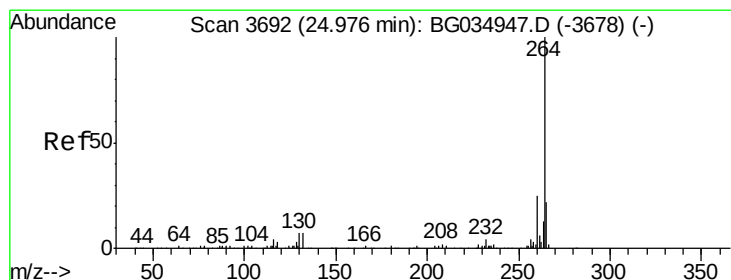
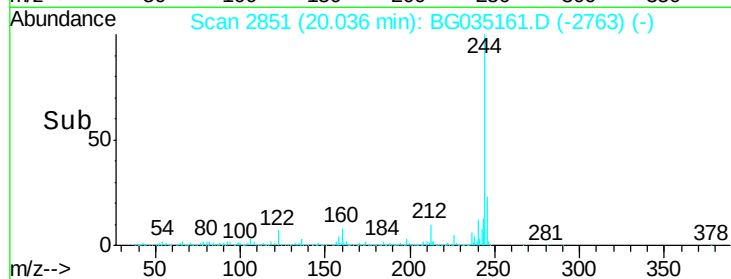
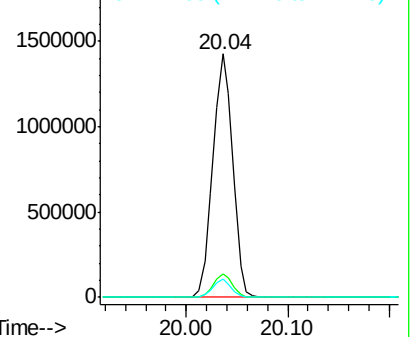
122 7.3 7.0 10.4



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: 24.93 min Scan# 3684

Delta R.T. -0.02 min

Lab File: BG035161.D

Acq: 15 Jun 2018 6:49

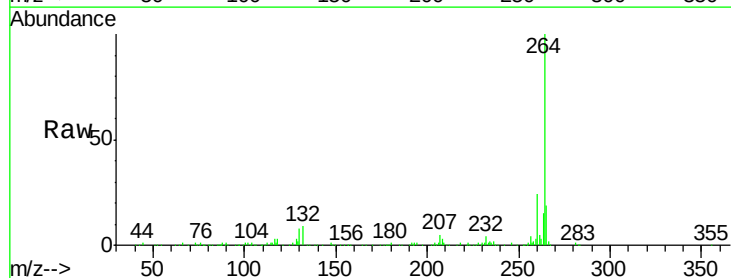
Tgt Ion:264 Resp: 344753

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 19.4 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

