

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071318\
 Data File : BG035641.D
 Acq On : 13 Jul 2018 22:40
 Operator : JU/SJ
 Sample : PB111092BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB111092BL

Quant Time: Jul 14 00:14:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

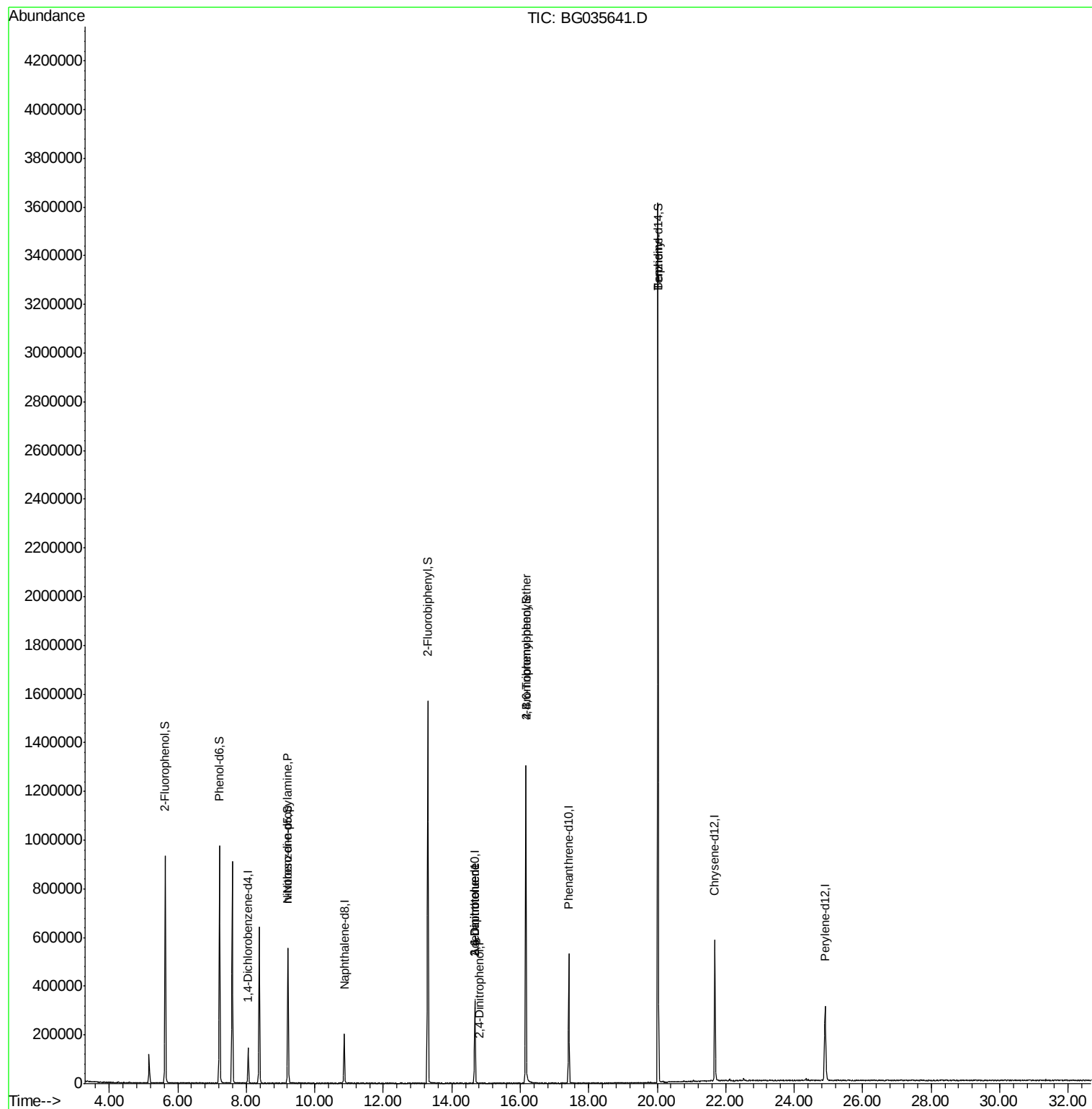
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	42593	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	164708	20.00	ng	0.00
38) Acenaphthene-d10	14.67	164	122623	20.00	ng	0.00
63) Phenanthrene-d10	17.42	188	349523	20.00	ng	0.00
75) Chrysene-d12	21.68	240	375854	20.00	ng	0.00
86) Perylene-d12	24.91	264	349955	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	391292	152.52	ng	0.00
7) Phenol-d6	7.22	99	580755	151.73	ng	0.00
23) Nitrobenzene-d5	9.22	82	373229	94.66	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	249173	154.17	ng	0.00
44) 2-Fluorobiphenyl	13.30	172	867162	94.74	ng	0.00
78) Terphenyl-d14	20.02	244	1655565	97.10	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	50742	15.743	ng	# 69
50) 2,6-Dinitrotoluene	14.67	165	16544	7.562	ng	# 21
53) 2,4-Dinitrophenol	14.80	184	65	6.635	ng	# 1
56) 2,4-Dinitrotoluene	14.67	165	16544	5.271	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	20717	5.109	ng	# 1
76) Benzidine	20.02	184	29936	3.030	ng	# 88

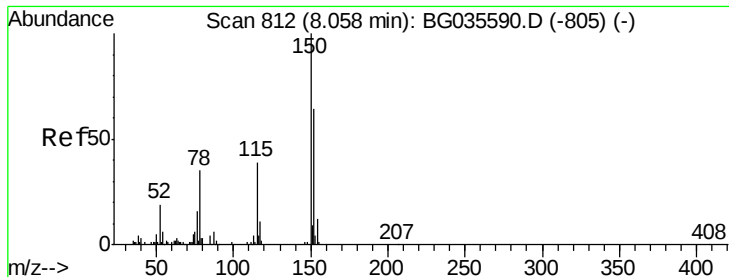
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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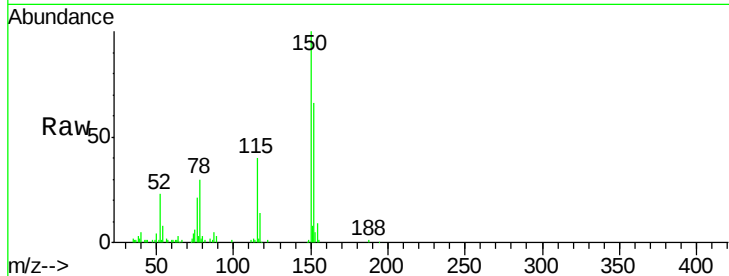


#1

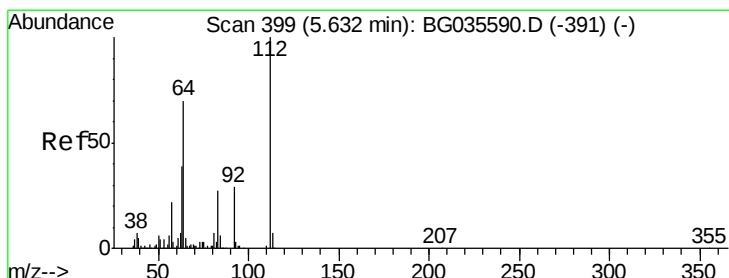
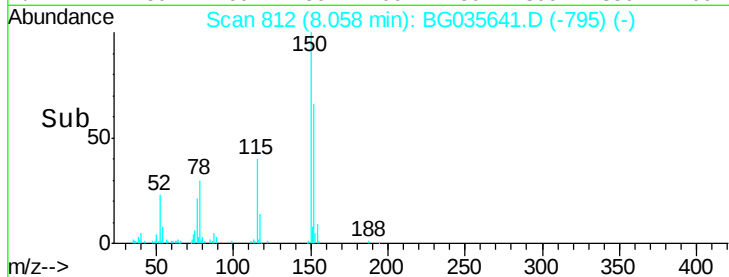
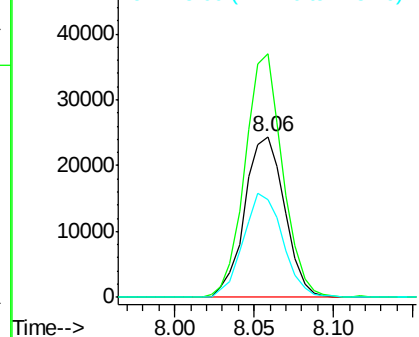
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.00 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

Instrument :
BNA_G
ClientSampleId :
PB111092BL

Tgt Ion:152 Resp: 42593
Ion Ratio Lower Upper
152 100
150 151.7 126.6 189.8
115 60.5 53.0 79.4



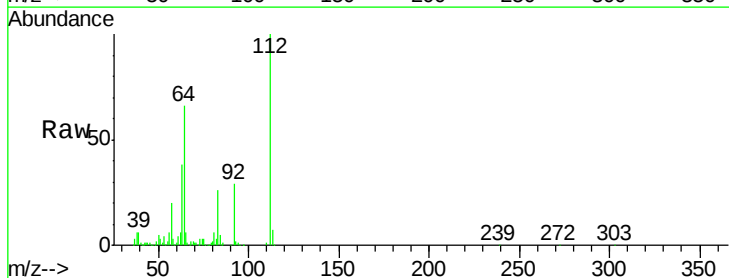
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



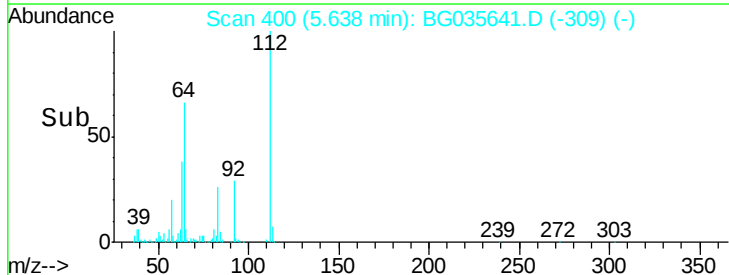
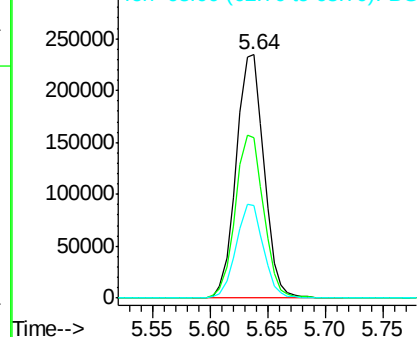
#5

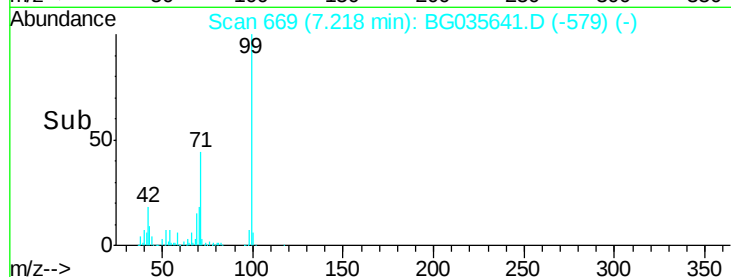
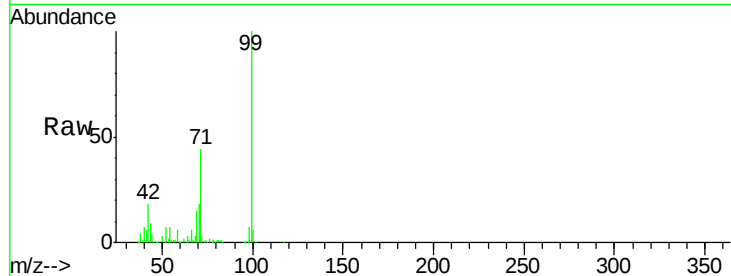
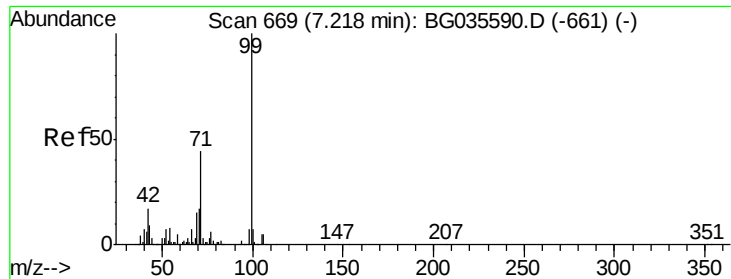
2-Fluorophenol
Concen: 152.522 ng
RT: 5.64 min Scan# 400
Delta R.T. 0.01 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

Tgt Ion:112 Resp: 391292
Ion Ratio Lower Upper
112 100
64 65.6 56.3 84.5
63 37.8 30.1 45.1



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





#7

Phenol-d6

Concen: 151.726 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

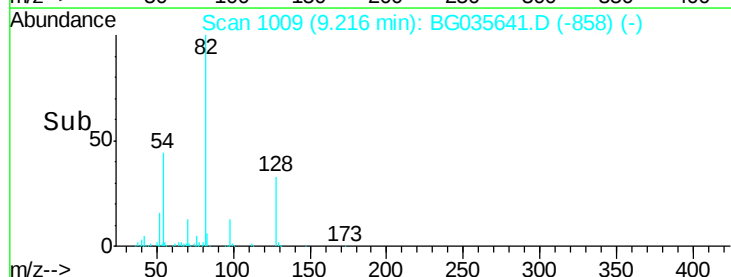
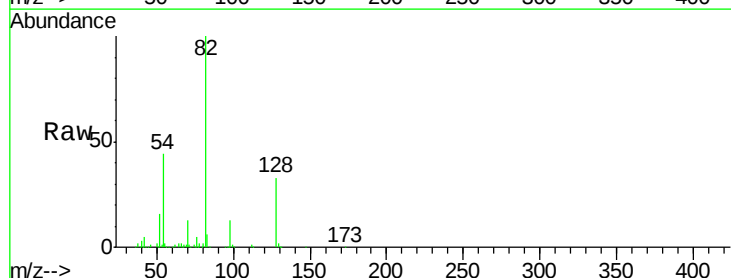
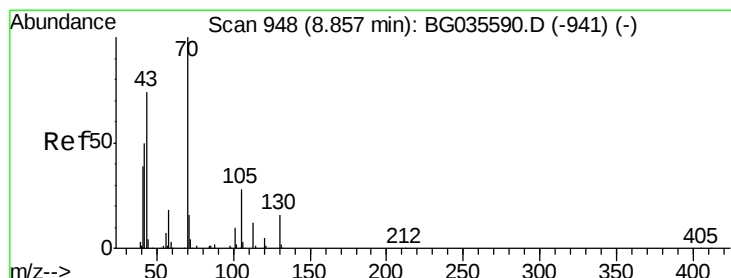
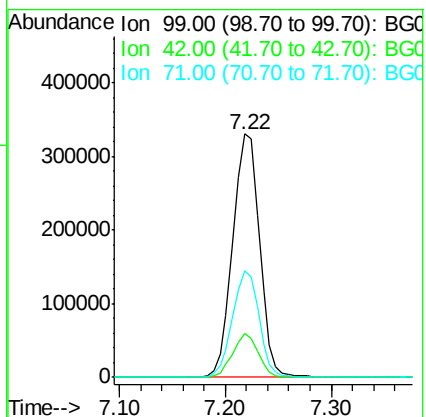
Tgt Ion: 99 Resp: 580755

Ion Ratio Lower Upper

99 100

42 17.9 14.1 21.1

71 43.9 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.743 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.36 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Tgt Ion: 70 Resp: 50742

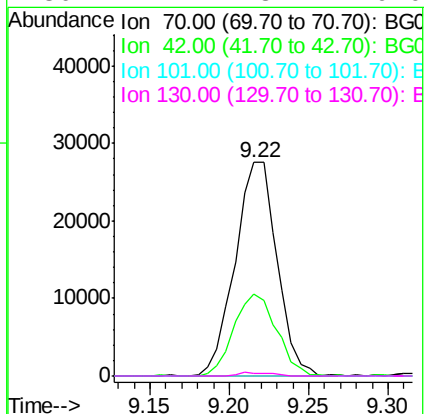
Ion Ratio Lower Upper

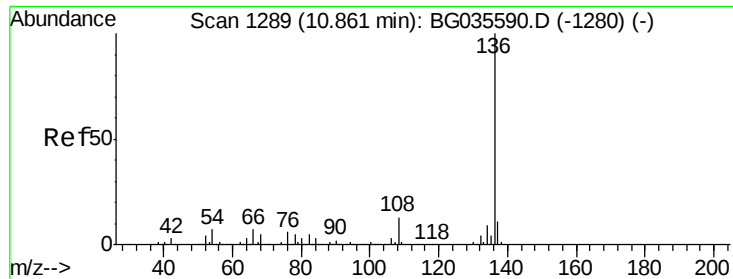
70 100

42 38.3 49.1 73.7#

101 0.0 8.5 12.7#

130 1.2 13.4 20.0#

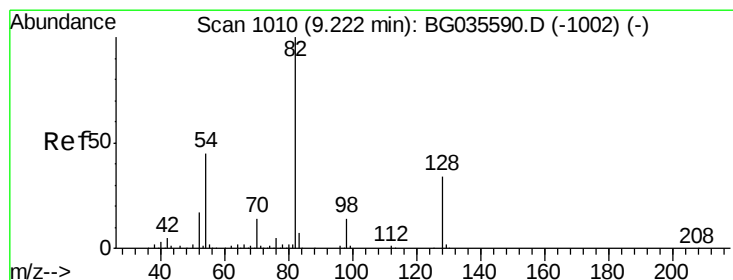
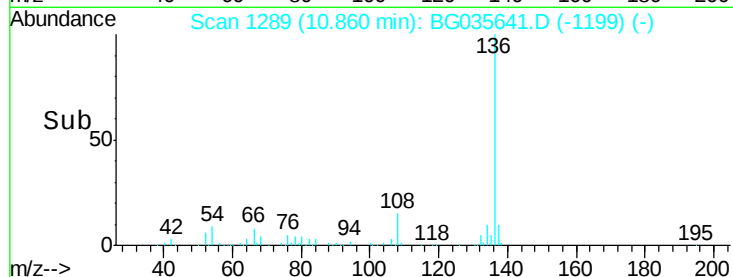
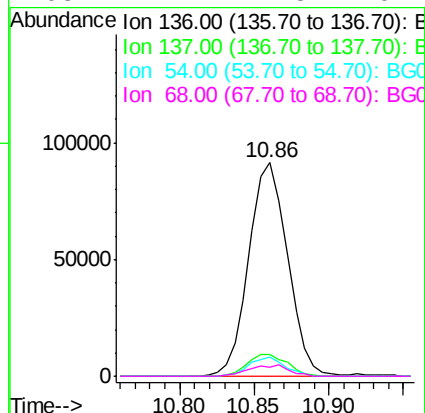
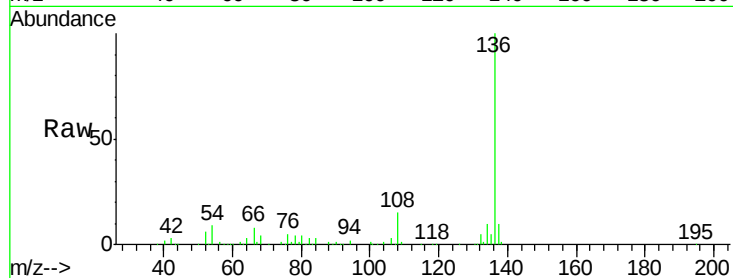




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

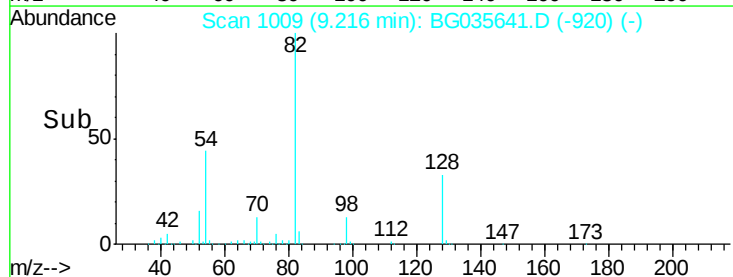
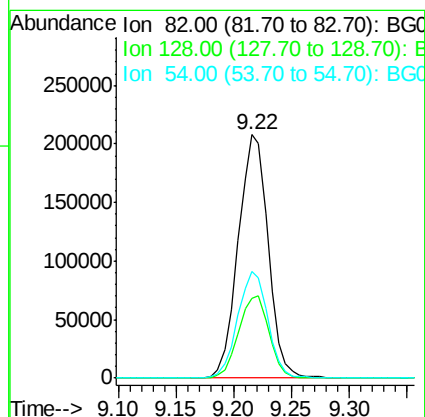
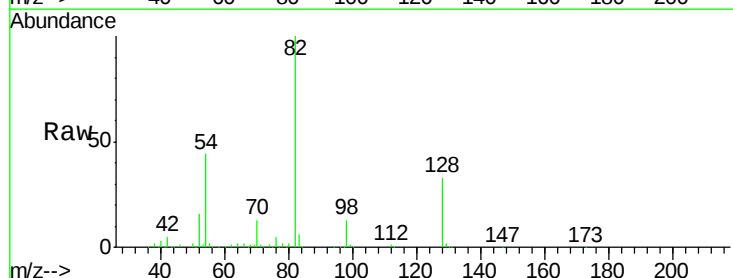
Instrument :
BNA_G
ClientSampleId :
PB111092BL

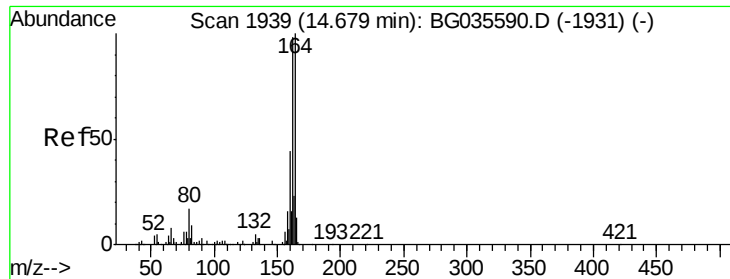
Tgt Ion:	136	Resp:	164708
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	8.9	10.3	15.5#
68	4.2	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 94.662 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

Tgt Ion:	82	Resp:	373229
Ion	Ratio	Lower	Upper
82	100		
128	32.7	29.7	44.5
54	43.6	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

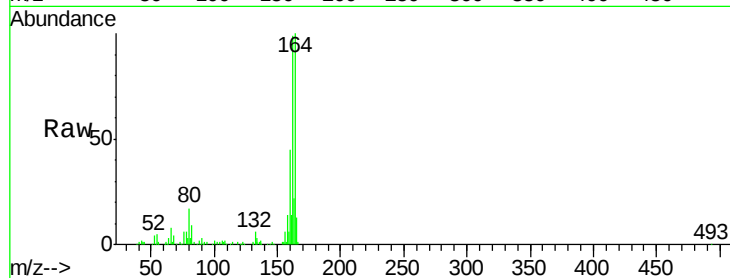
Tgt Ion:164 Resp: 122623

Ion Ratio Lower Upper

164 100

162 99.1 78.8 118.2

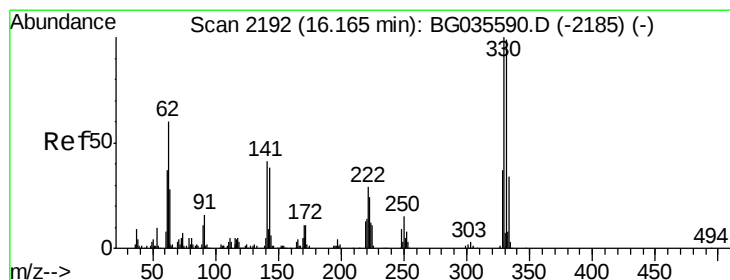
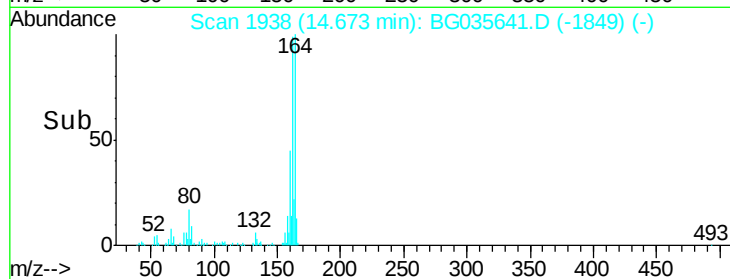
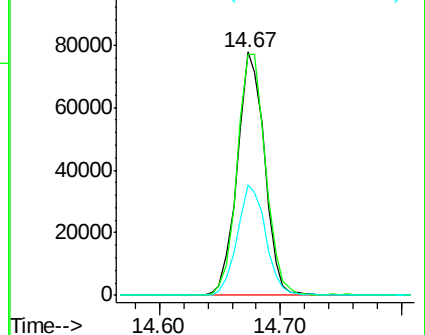
160 45.3 35.4 53.0



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: 154.167 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

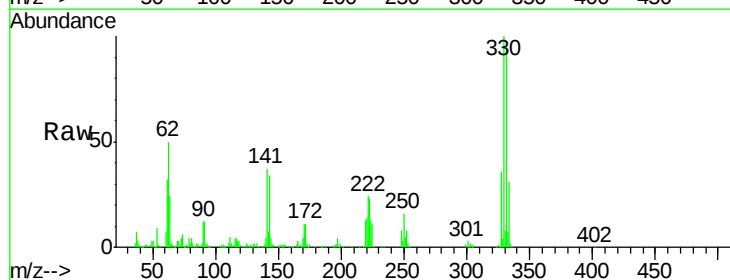
Tgt Ion:330 Resp: 249173

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

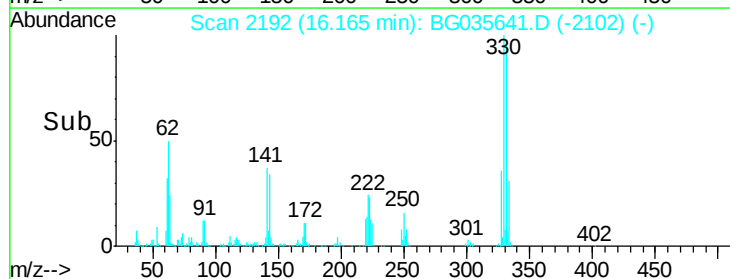
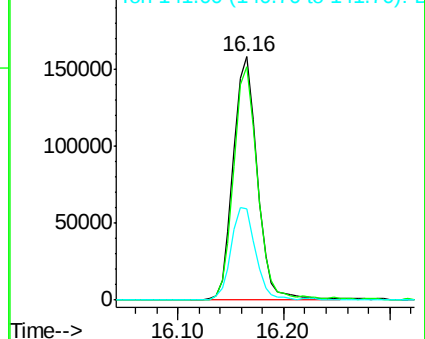
141 38.4 25.2 37.8#

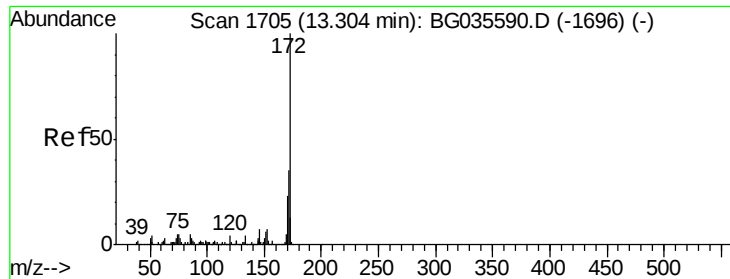


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 94.743 ng

RT: 13.30 min Scan# 1704

Delta R.T. -0.01 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

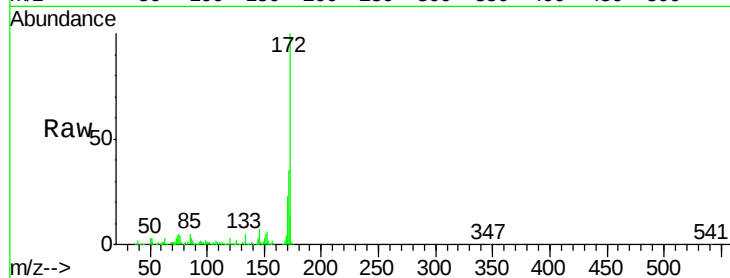
Tgt Ion:172 Resp: 867162

Ion Ratio Lower Upper

172 100

171 34.5 30.0 45.0

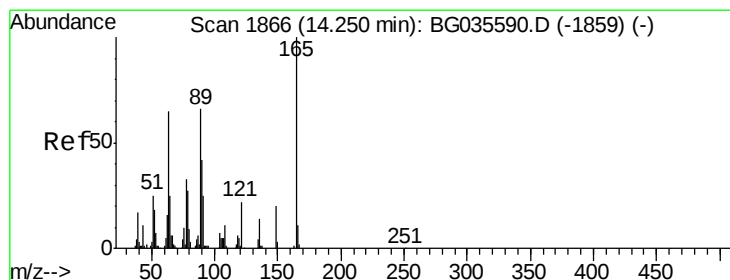
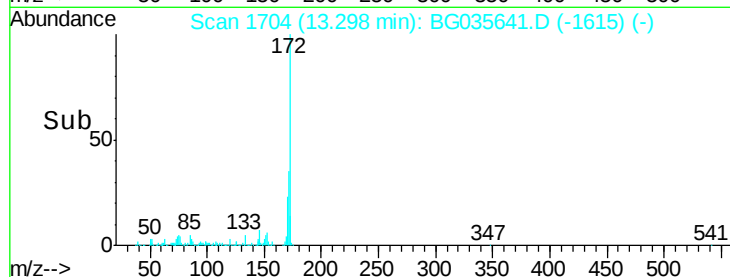
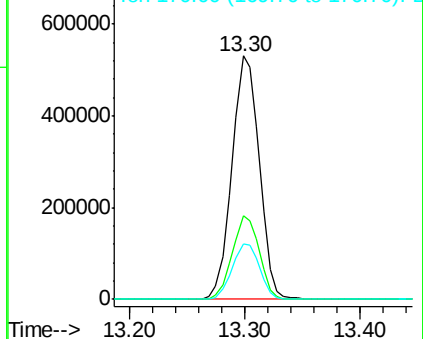
170 22.9 19.5 29.3



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: 7.562 ng

RT: 14.67 min Scan# 1938

Delta R.T. 0.42 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

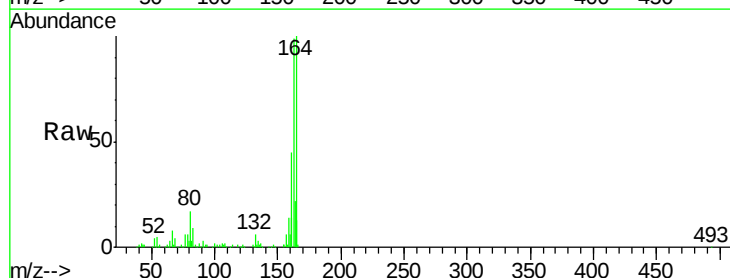
Tgt Ion:165 Resp: 16544

Ion Ratio Lower Upper

165 100

63 2.8 52.7 79.1#

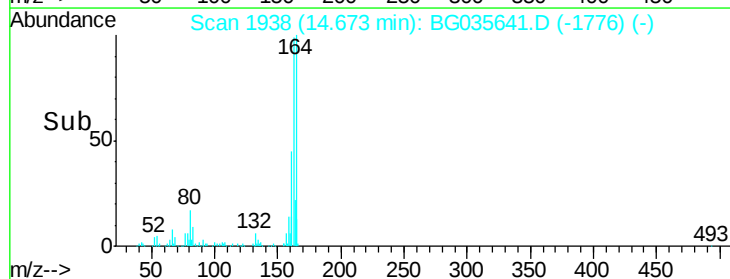
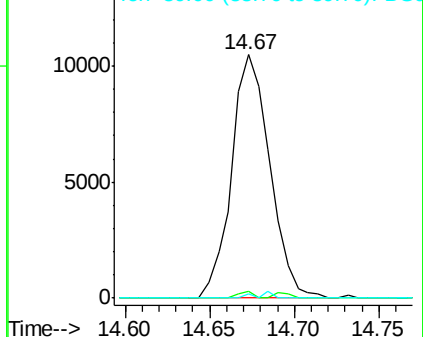
89 1.8 49.2 73.8#

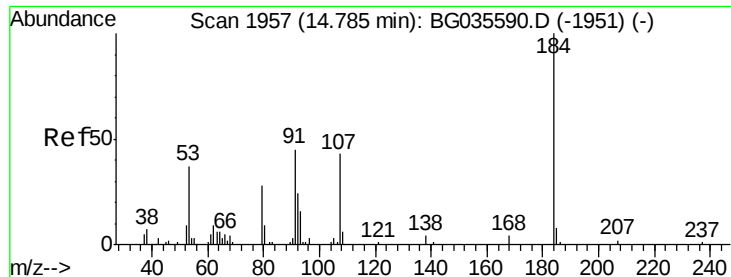


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

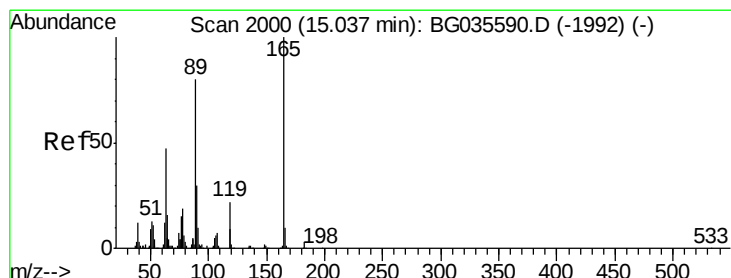
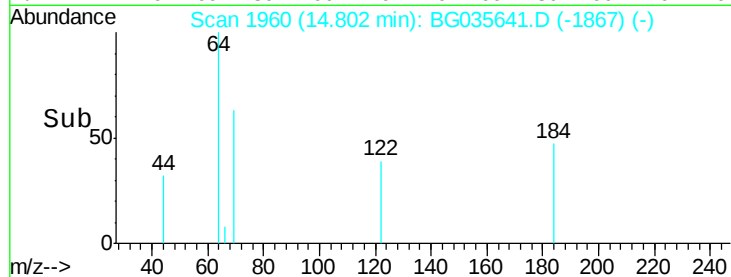
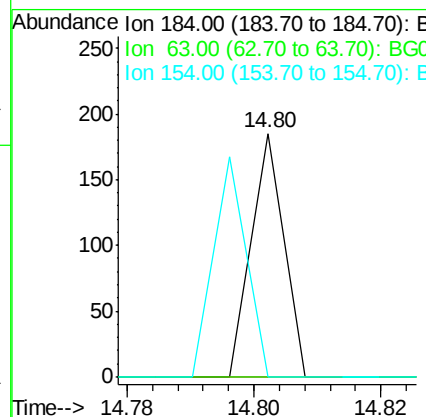
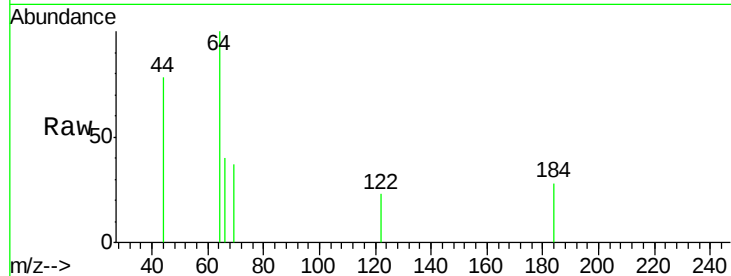




#53
2,4-Dinitrophenol
Concen: 6.635 ng
RT: 14.80 min Scan# 1960
Delta R.T. 0.02 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

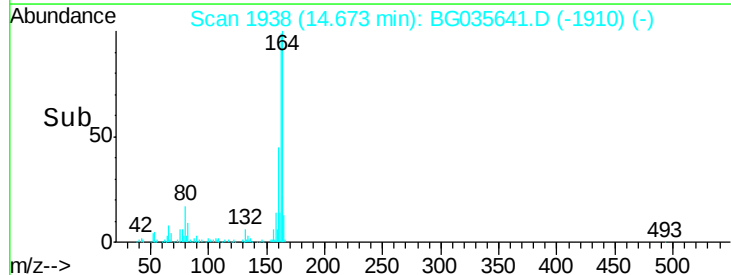
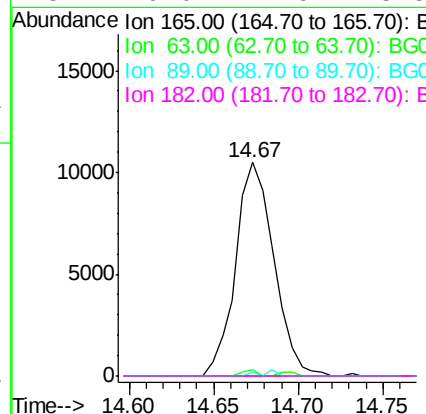
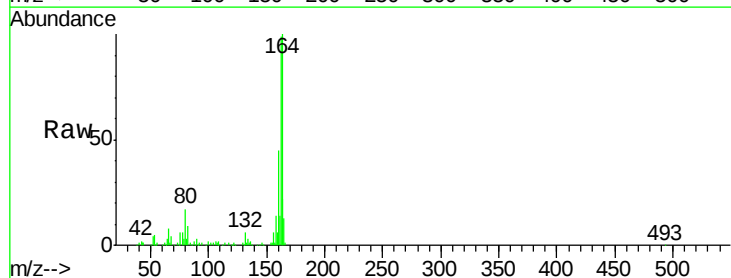
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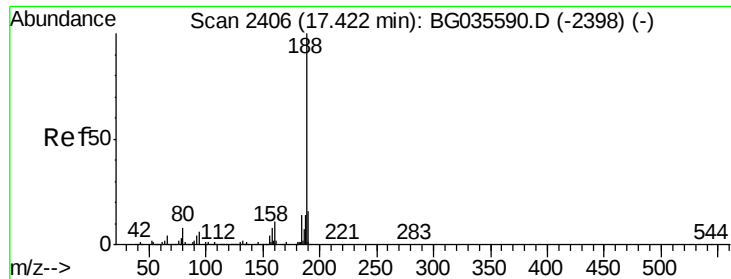
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



#56
2,4-Dinitrotoluene
Concen: 5.271 ng
RT: 14.67 min Scan# 1938
Delta R.T. -0.36 min
Lab File: BG035641.D
Acq: 13 Jul 2018 22:40

Tgt Ion:165 Resp: 16544
Ion Ratio Lower Upper
165 100
63 2.8 42.0 63.0#
89 1.8 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

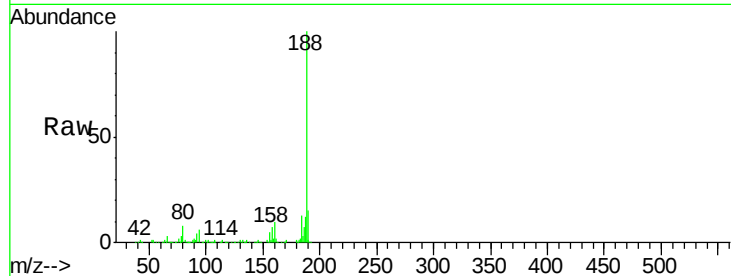
Tgt Ion:188 Resp: 349523

Ion Ratio Lower Upper

188 100

94 6.4 6.9 10.3#

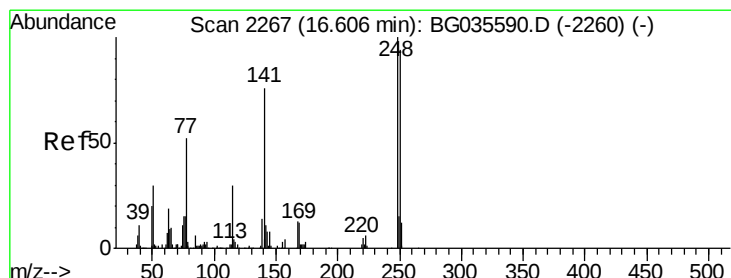
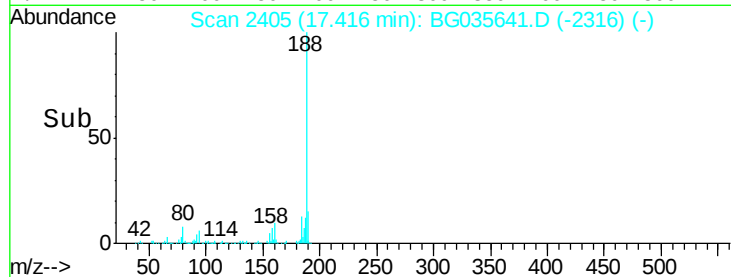
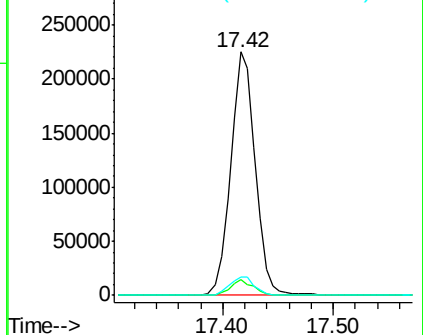
80 7.7 7.7 11.5



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: 5.109 ng

RT: 16.16 min Scan# 2191

Delta R.T. -0.45 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

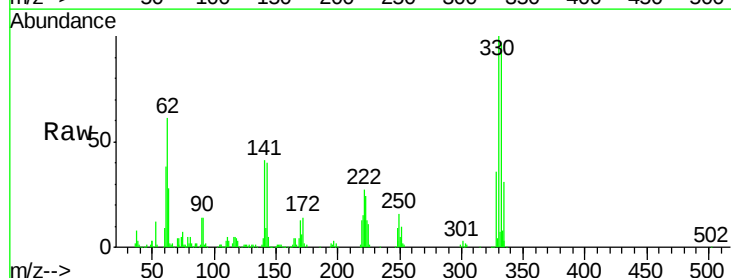
Tgt Ion:248 Resp: 20717

Ion Ratio Lower Upper

248 100

250 178.6 77.1 115.7#

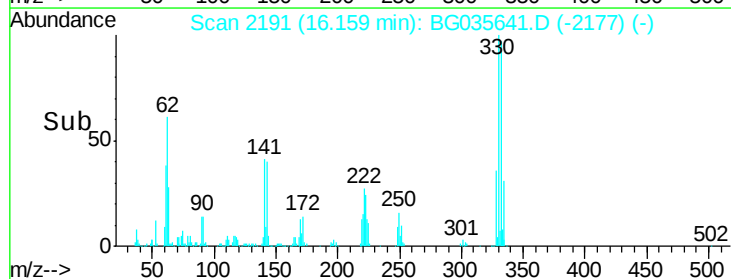
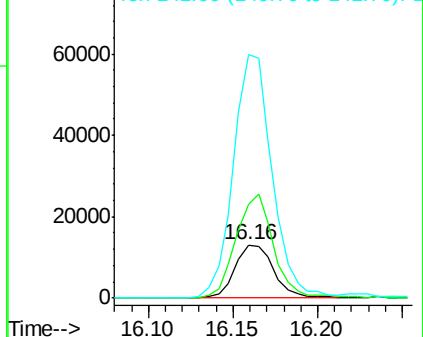
141 460.5 50.8 76.2#

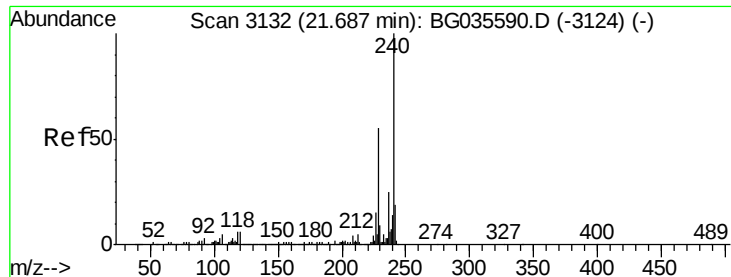


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.68 min Scan# 3131

Delta R.T. -0.01 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

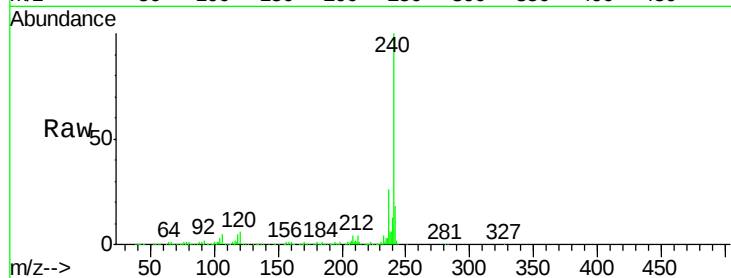
Tgt Ion:240 Resp: 375854

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

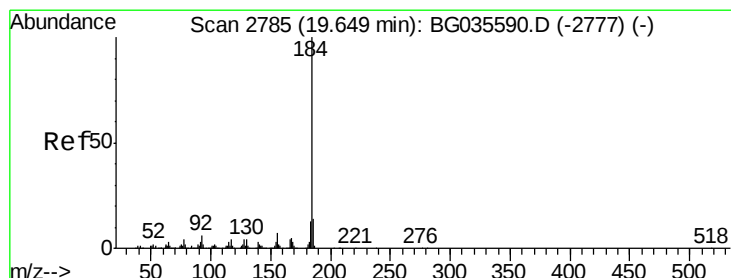
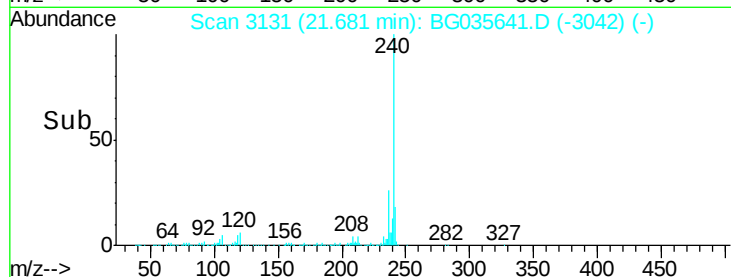
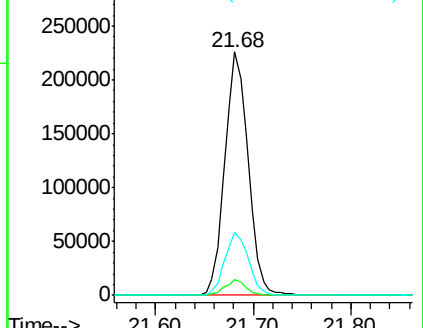
236 25.8 20.9 31.3



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: 3.030 ng

RT: 20.02 min Scan# 2849

Delta R.T. 0.38 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

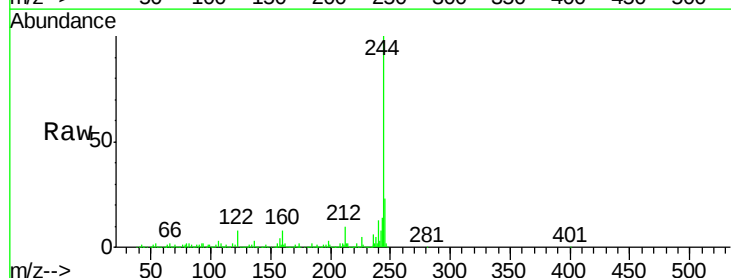
Tgt Ion:184 Resp: 29936

Ion Ratio Lower Upper

184 100

185 21.2 11.1 16.7#

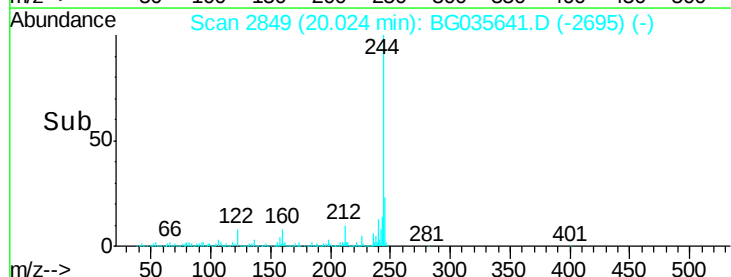
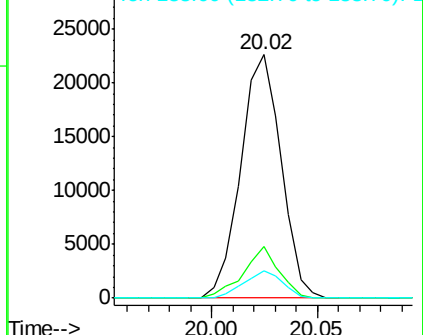
183 11.3 10.6 16.0

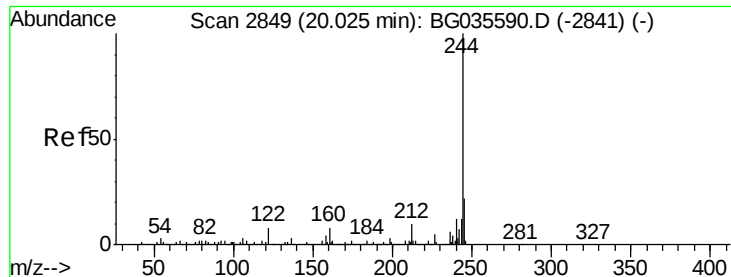


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.095 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.00 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

Instrument :

BNA_G

ClientSampleId :

PB111092BL

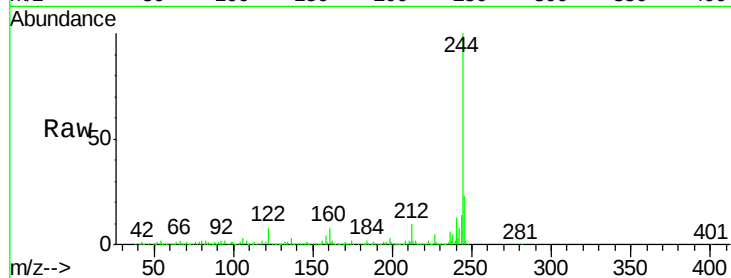
Tgt Ion:244 Resp: 1655565

Ion Ratio Lower Upper

244 100

212 9.8 5.8 8.8#

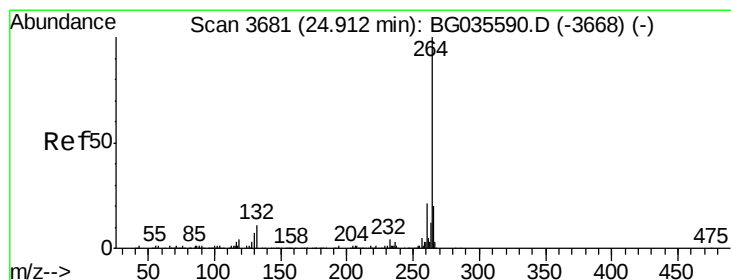
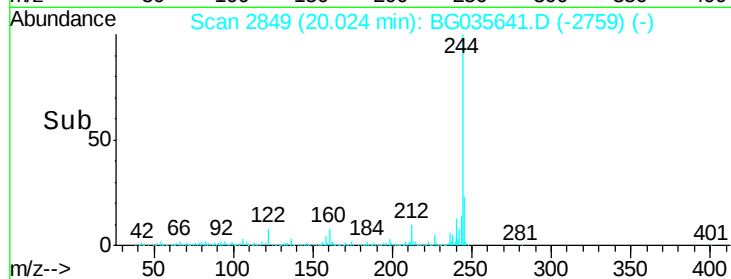
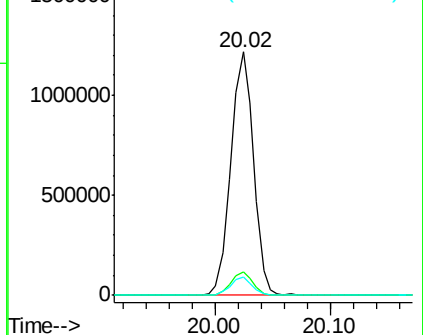
122 7.6 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG035641.D

Acq: 13 Jul 2018 22:40

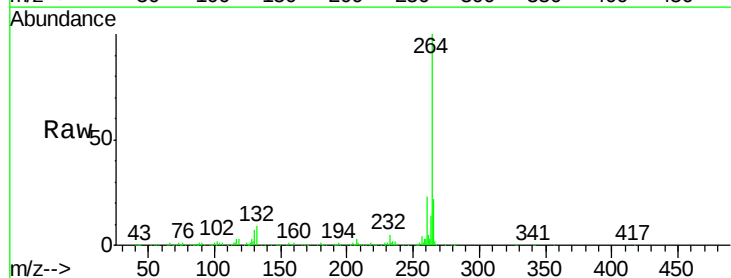
Tgt Ion:264 Resp: 349955

Ion Ratio Lower Upper

264 100

260 22.5 17.4 26.0

265 21.5 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

