

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080218\
 Data File : BG036064.D
 Acq On : 2 Aug 2018 17:28
 Operator : JU/SJ
 Sample : J4262-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-01

Quant Time: Aug 02 18:39:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 12:30:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	29363	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	115031	20.00	ng	0.00
38) Acenaphthene-d10	14.64	164	83270	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	234000	20.00	ng	0.00
75) Chrysene-d12	21.65	240	262971	20.00	ng	0.00
86) Perylene-d12	24.84	264	258920	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	95867	54.20	ng	0.00
7) Phenol-d6	7.19	99	83593	31.68	ng	0.00
23) Nitrobenzene-d5	9.18	82	218024	79.18	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	161967	147.57	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	534598	86.01	ng	0.00
78) Terphenyl-d14	19.99	244	1076883	90.27	ng	0.00

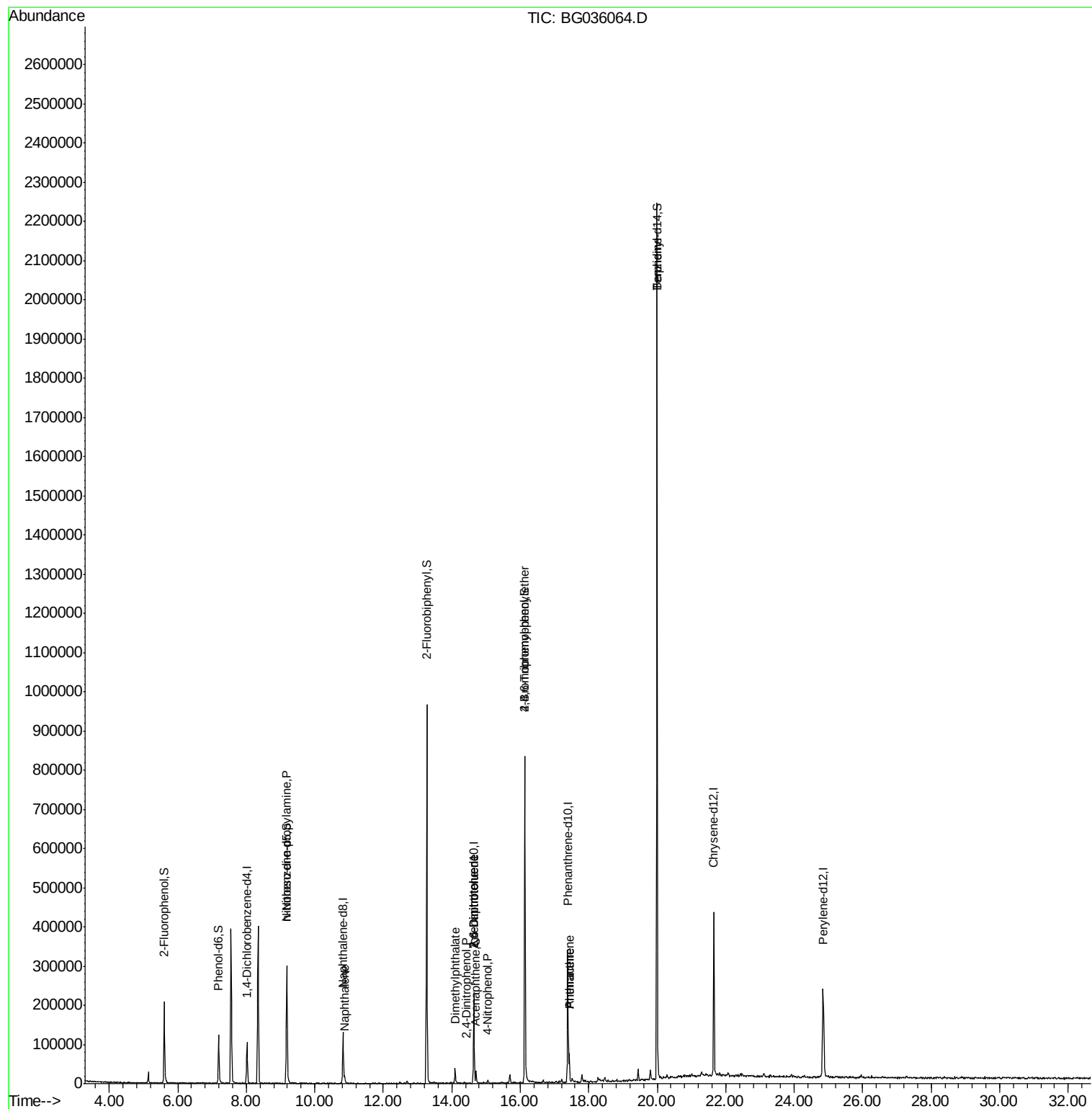
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.18	70	31291	14.082	ng	# 70
31) Naphthalene	10.88	128	14108	2.354	ng	# 93
49) Dimethylphthalate	14.10	163	30637	4.199	ng	# 95
50) 2,6-Dinitrotoluene	14.65	165	11225	7.555	ng	# 22
51) Acenaphthene	14.71	154	11702	2.233	ng	# 83
53) 2,4-Dinitrophenol	14.44	184	85	6.684	ng	# 1
55) 4-Nitrophenol	15.05	139	2555	2.363	ng	# 1
56) 2,4-Dinitrotoluene	14.65	165	11225	5.266	ng	# 20
66) 4-Bromophenyl-phenylether	16.13	248	13549	4.991	ng	# 1
70) Phenanthrene	17.43	178	47473	4.066	ng	97
71) Anthracene	17.43	178	47473	4.083	ng	97
76) Benzydine	19.99	184	18899	2.734	ng	# 89

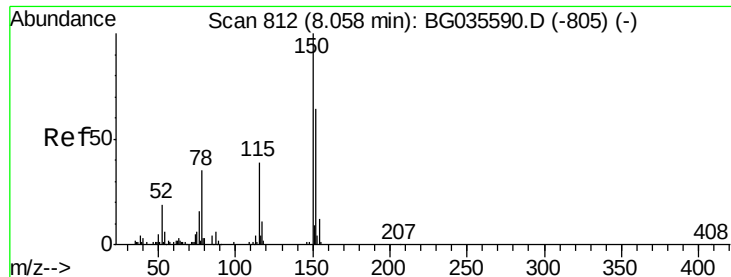
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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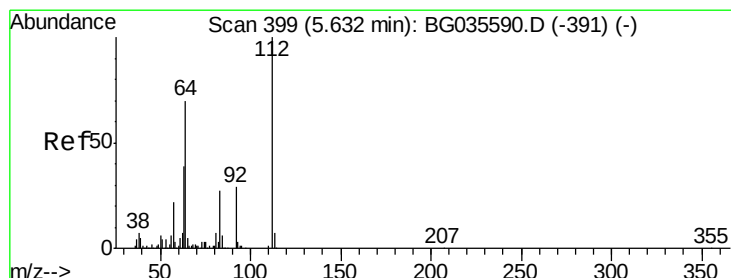
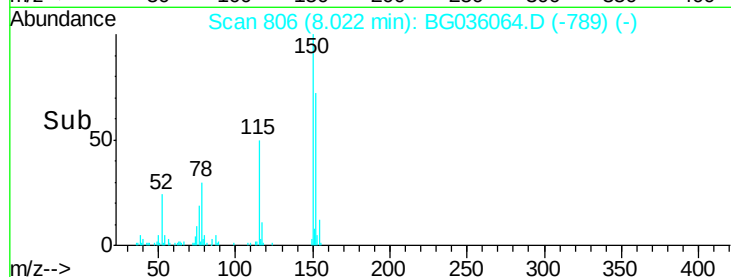
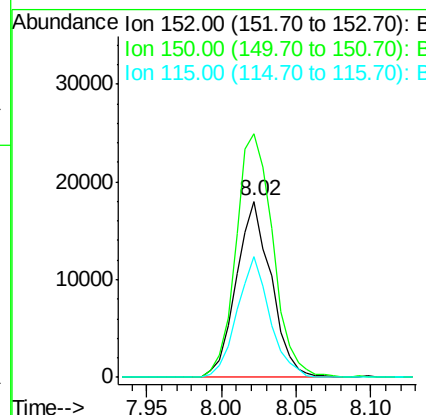
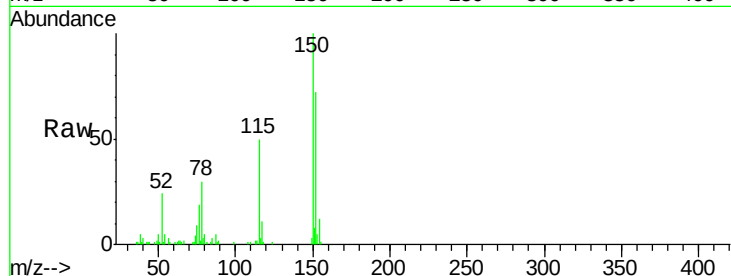


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. -0.00 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_G
ClientSampleId :
GW-01

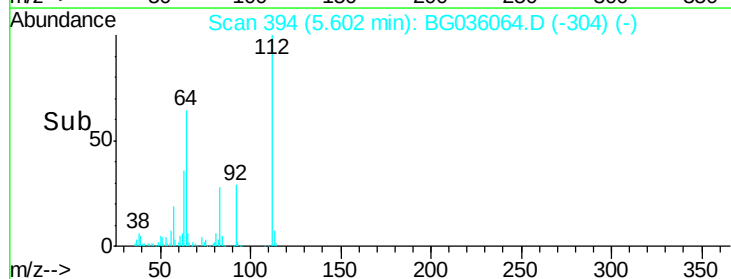
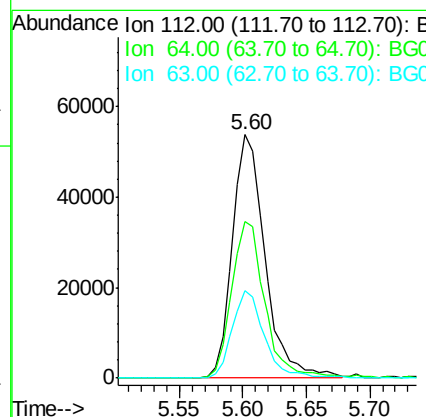
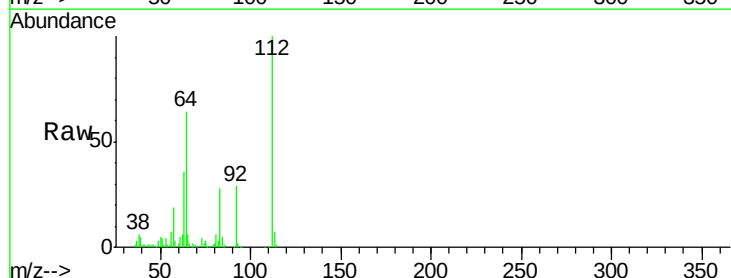
Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.3	126.6	189.8
115	68.5	53.0	79.4

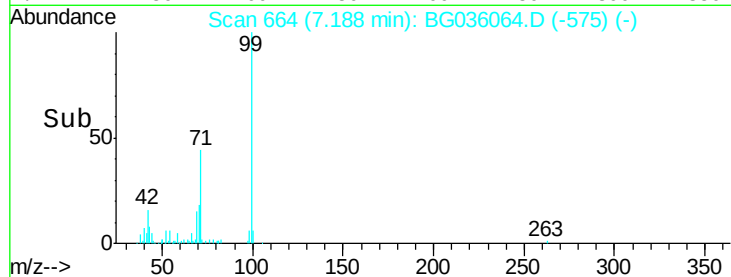
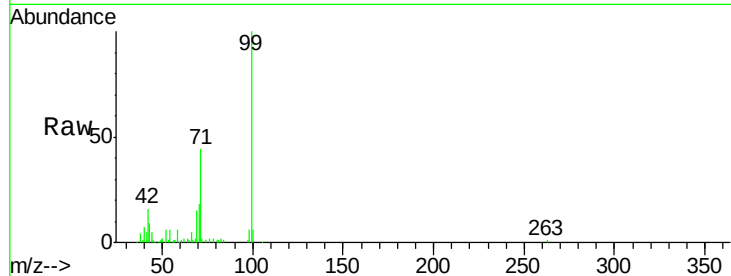
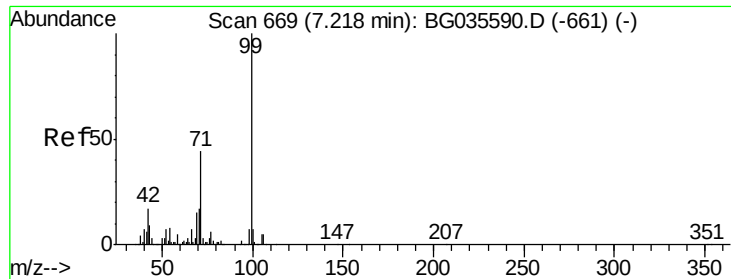


#5

2-Fluorophenol
Concen: 54.205 ng
RT: 5.60 min Scan# 394
Delta R.T. -0.00 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	56.3	84.5
63	36.1	30.1	45.1





#7

Phenol-d6

Concen: 31.679 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

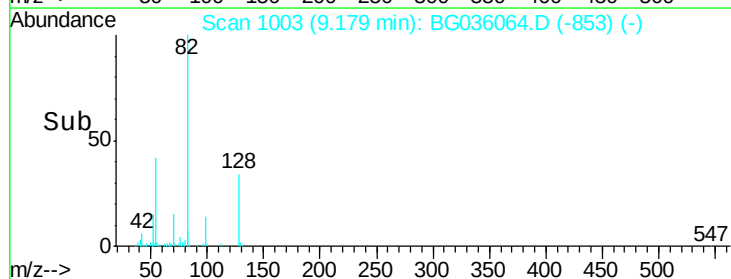
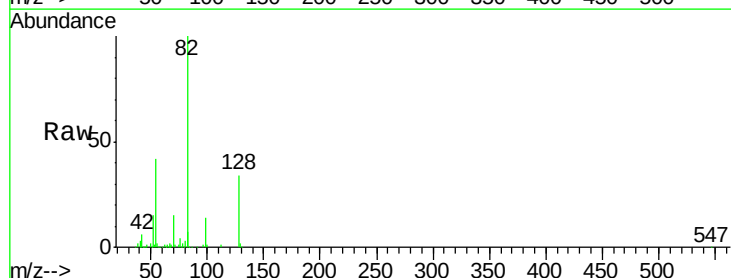
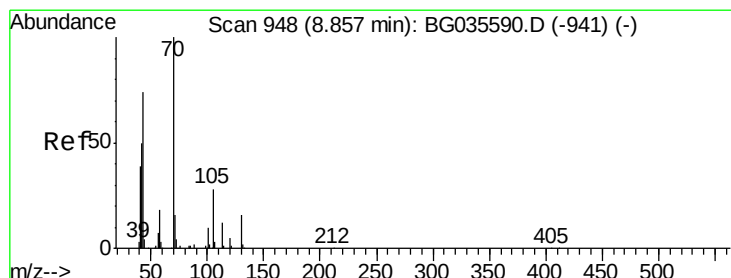
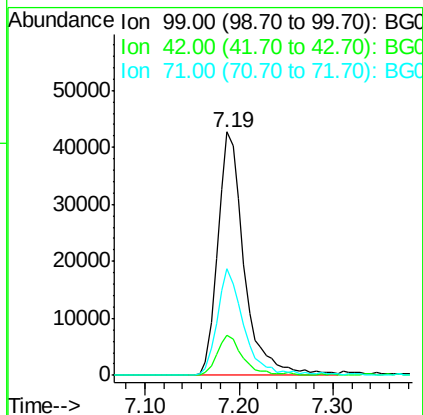
Tgt Ion: 99 Resp: 83593

Ion Ratio Lower Upper

99 100

42 16.5 14.1 21.1

71 43.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.082 ng

RT: 9.18 min Scan# 1003

Delta R.T. 0.35 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Tgt Ion: 70 Resp: 31291

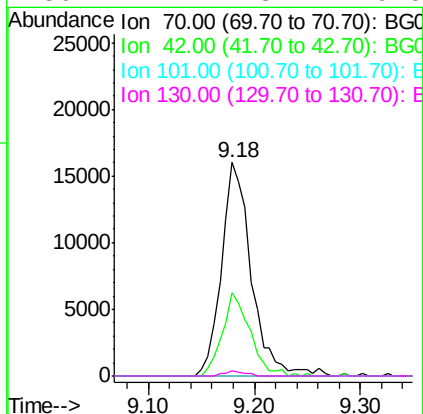
Ion Ratio Lower Upper

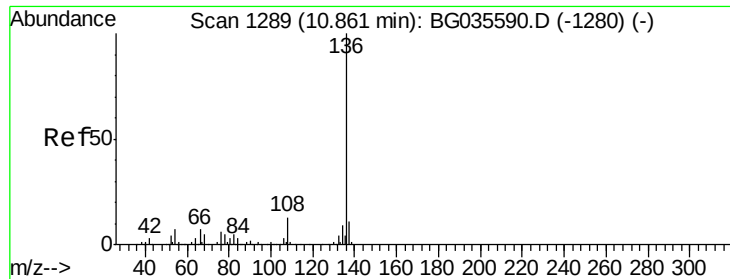
70 100

42 38.8 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

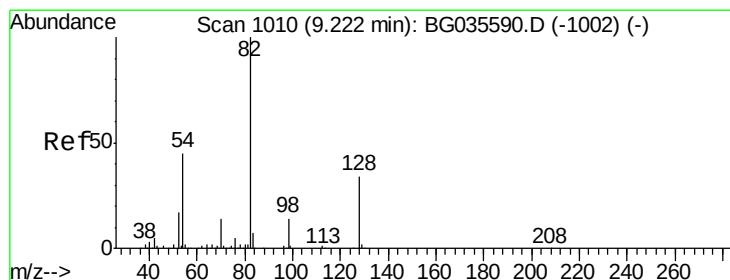
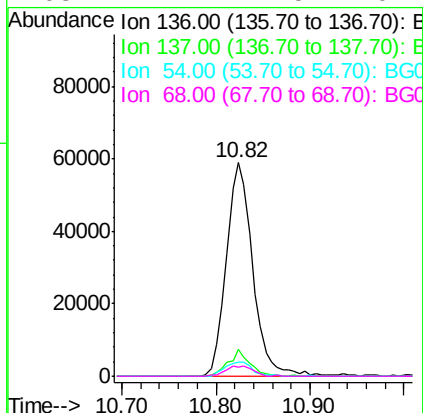
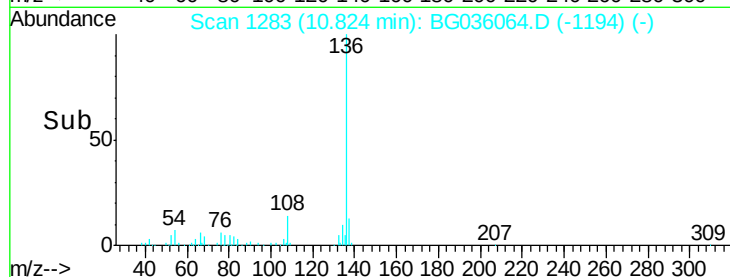
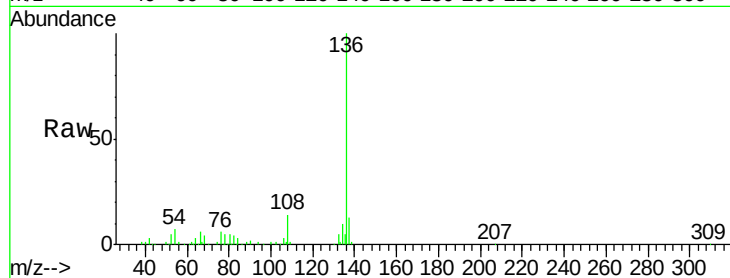




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

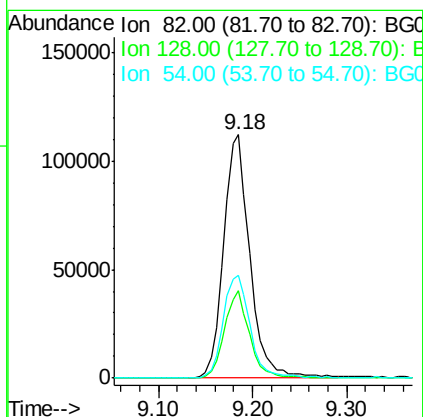
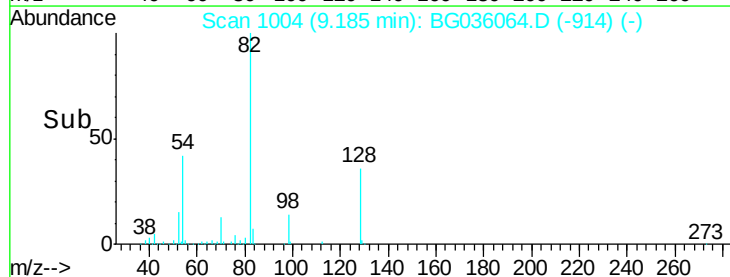
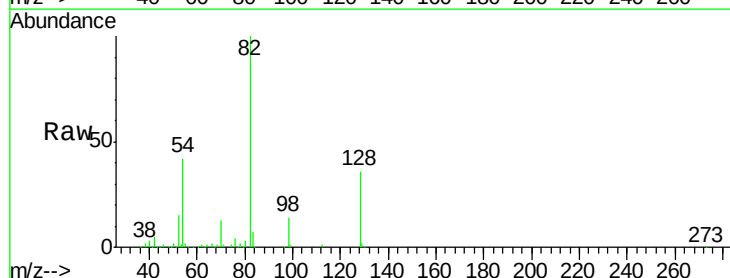
Instrument :
BNA_G
ClientSampled :
GW-01

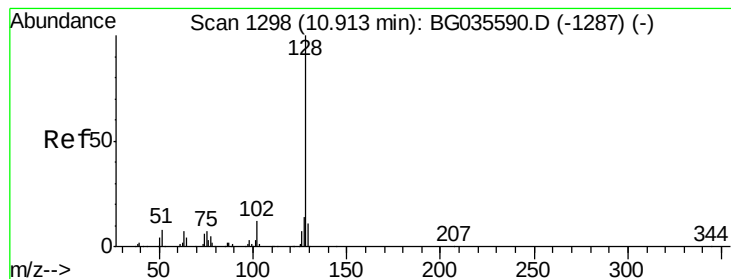
Tgt Ion:	136	Resp:	115031
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	6.8	10.3	15.5#
68	4.4	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 79.178 ng
RT: 9.18 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

Tgt Ion:	82	Resp:	218024
Ion	Ratio	Lower	Upper
82	100		
128	35.9	29.7	44.5
54	42.2	43.1	64.7#





#31

Naphthalene

Concen: 2.354 ng

RT: 10.88 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

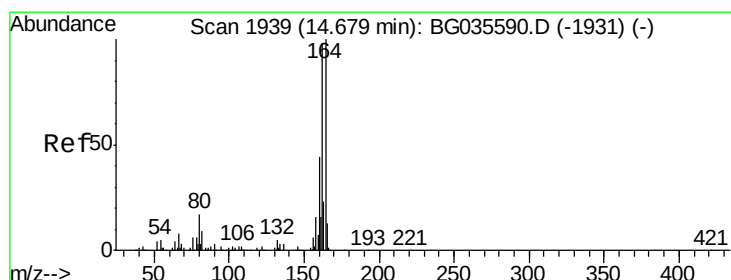
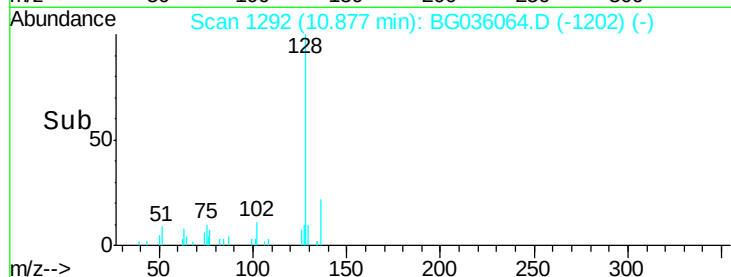
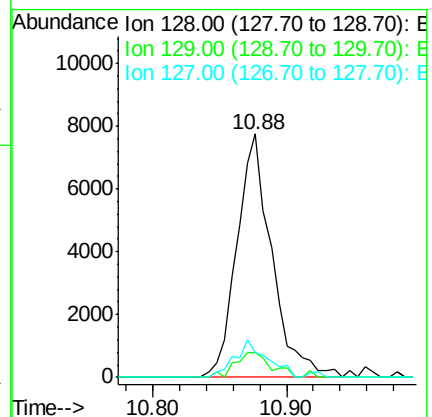
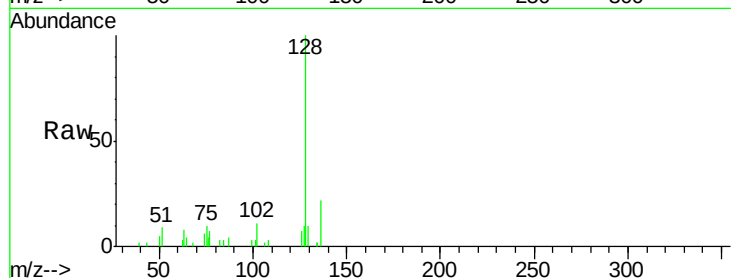
Tgt Ion:128 Resp: 14108

Ion Ratio Lower Upper

128 100

129 10.1 8.6 12.8

127 10.1 11.6 17.4#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

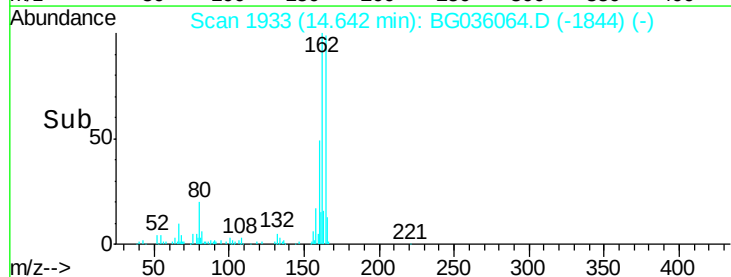
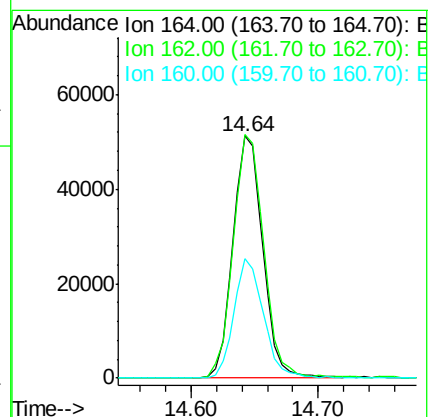
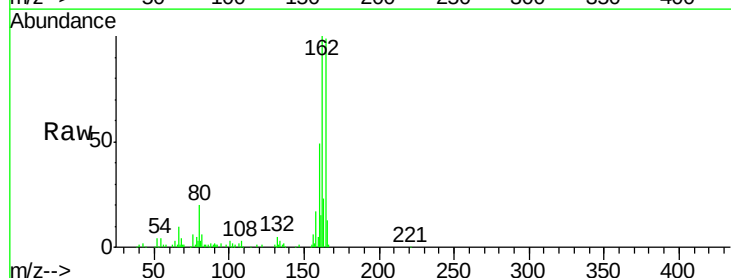
Tgt Ion:164 Resp: 83270

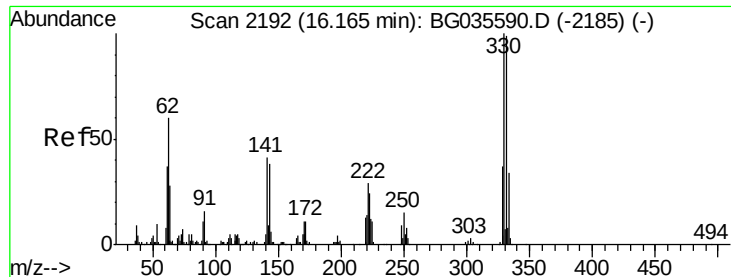
Ion Ratio Lower Upper

164 100

162 100.6 78.8 118.2

160 49.3 35.4 53.0

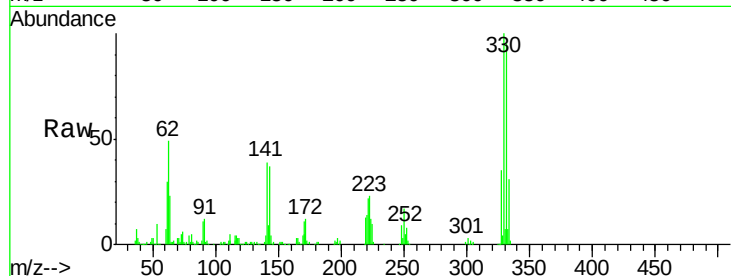




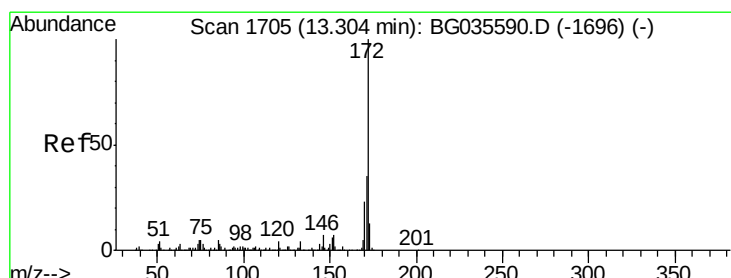
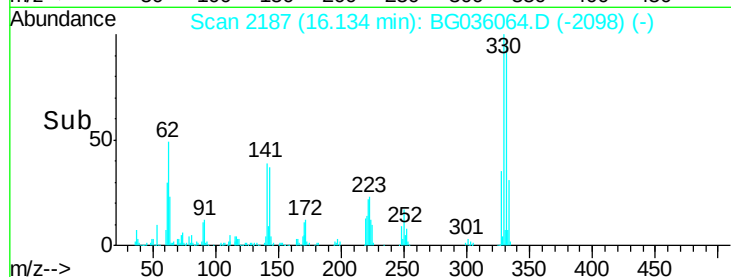
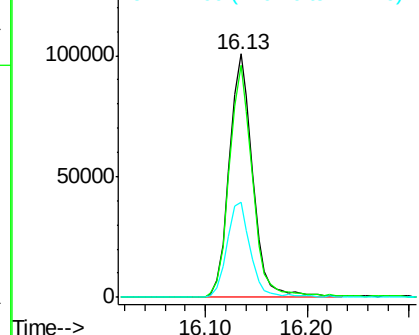
#41
 2,4,6-Tribromophenol
 Concen: 147.571 ng
 RT: 16.13 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BG036064.D
 Acq: 2 Aug 2018 17:28

Instrument :
 BNA_G
 ClientSampleId :
 GW-01

Tgt Ion:330 Resp: 161967
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 39.9 25.2 37.8#

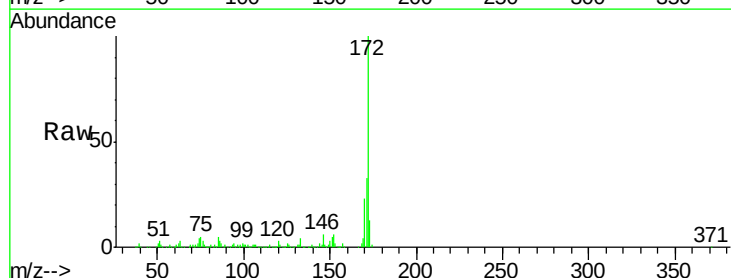


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

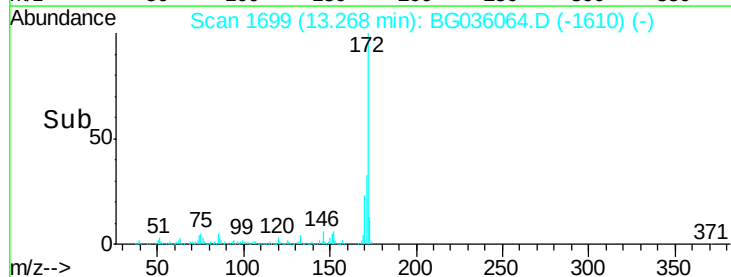
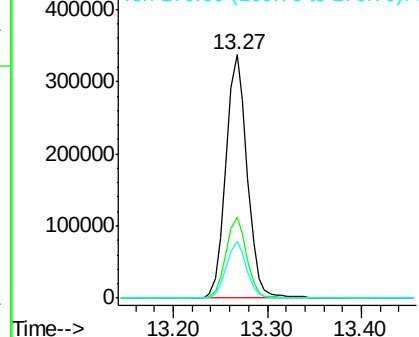


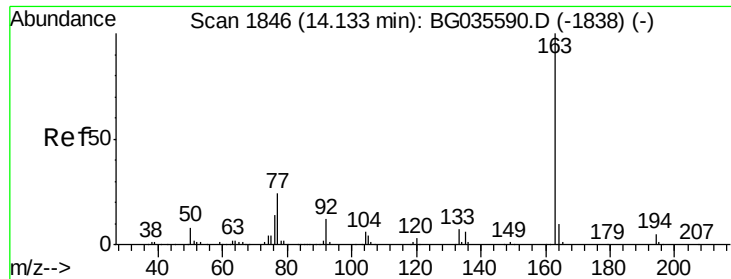
#44
 2-Fluorobiphenyl
 Concen: 86.012 ng
 RT: 13.27 min Scan# 1699
 Delta R.T. -0.01 min
 Lab File: BG036064.D
 Acq: 2 Aug 2018 17:28

Tgt Ion:172 Resp: 534598
 Ion Ratio Lower Upper
 172 100
 171 33.3 30.0 45.0
 170 23.4 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





#49

Dimethylphthalate

Concen: 4.199 ng

RT: 14.10 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

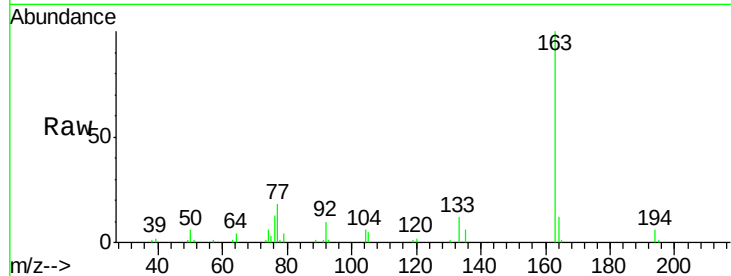
Tgt Ion:163 Resp: 30637

Ion Ratio Lower Upper

163 100

194 6.5 3.4 5.2#

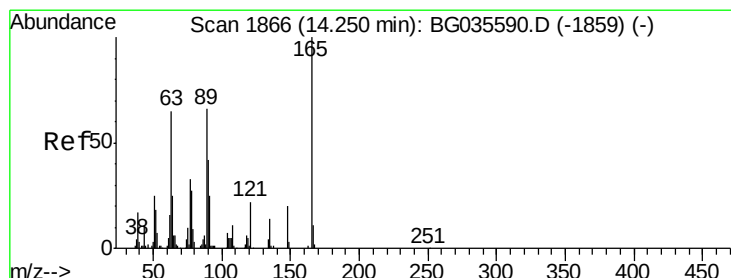
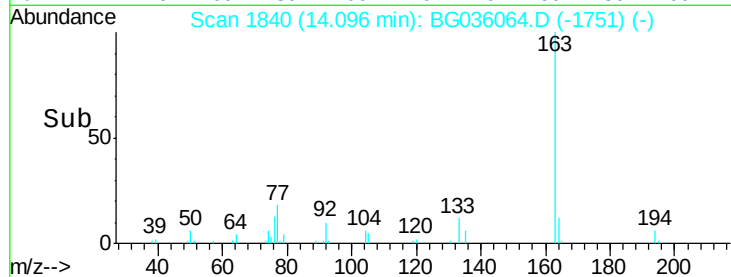
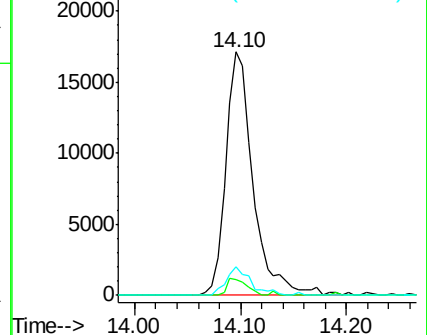
164 11.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 7.555 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.42 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

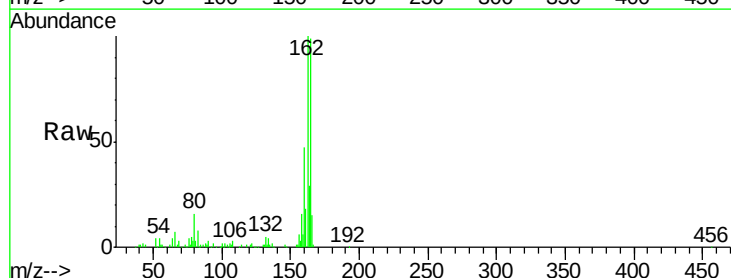
Tgt Ion:165 Resp: 11225

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

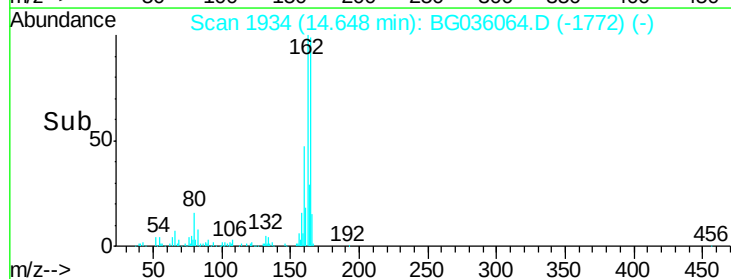
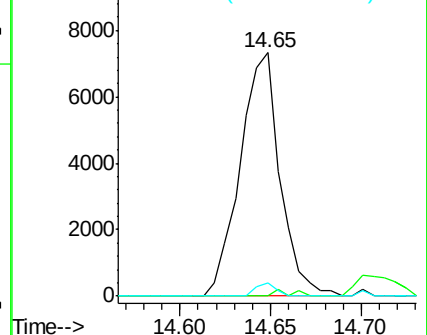
89 5.5 49.2 73.8#

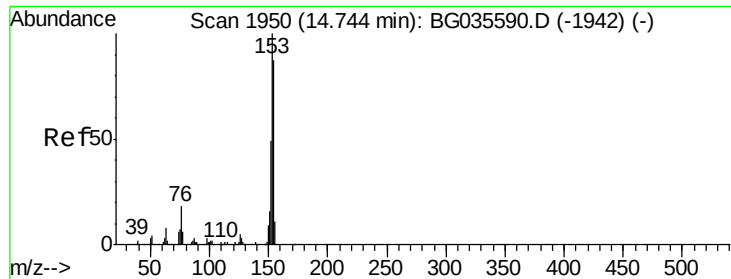


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 2.233 ng

RT: 14.71 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

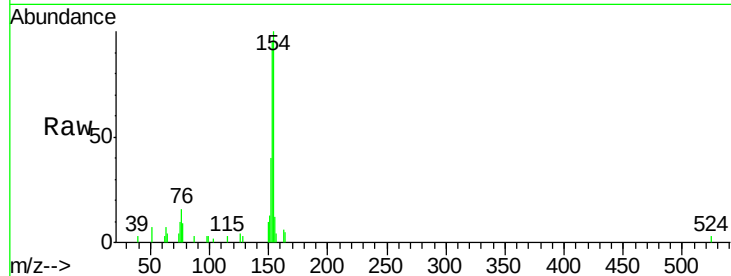
Tgt Ion:154 Resp: 11702

Ion Ratio Lower Upper

154 100

153 95.1 90.4 135.6

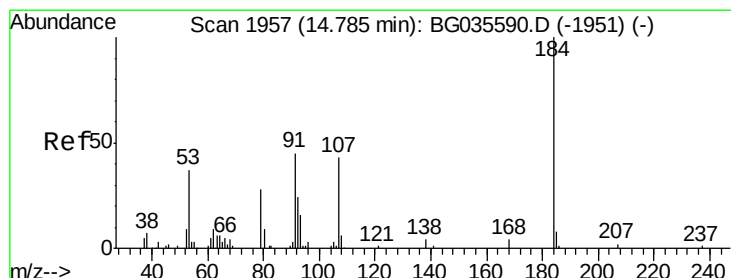
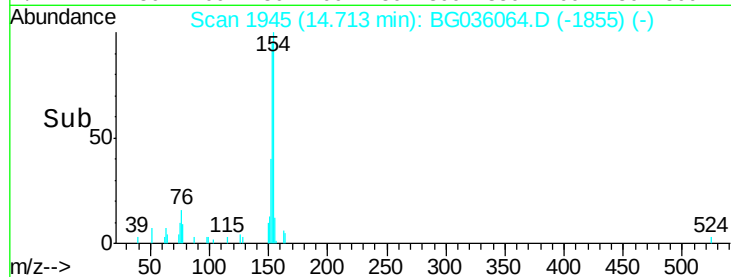
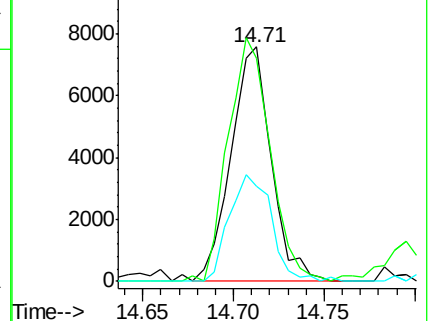
152 40.4 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 6.684 ng

RT: 14.44 min Scan# 1898

Delta R.T. -0.33 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

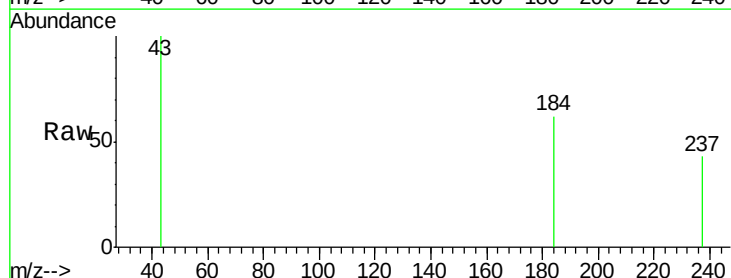
Tgt Ion:184 Resp: 85

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

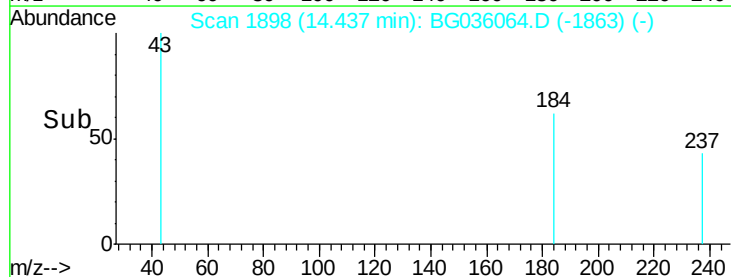
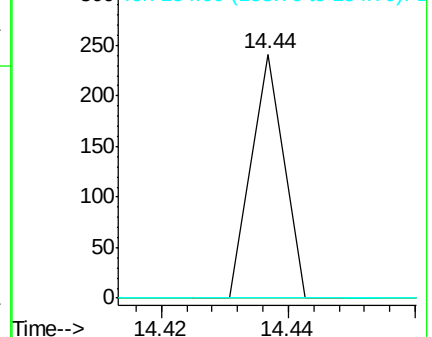
154 0.0 101.8 152.8#

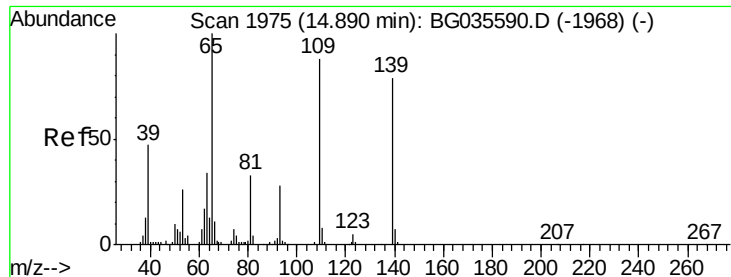


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 2.363 ng

RT: 15.05 min Scan# 2002

Delta R.T. 0.17 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

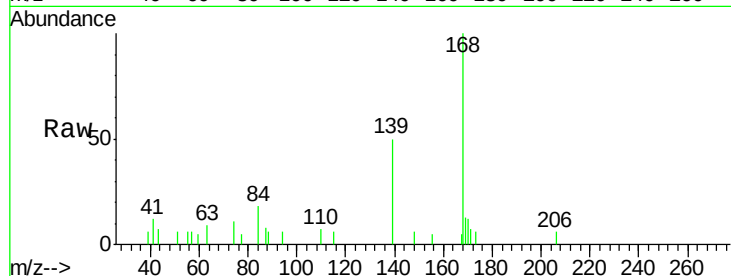
Tgt Ion:139 Resp: 2555

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

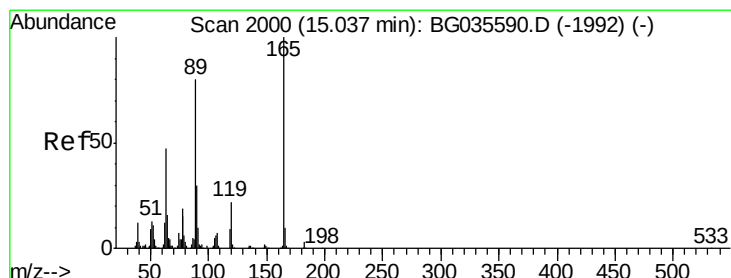
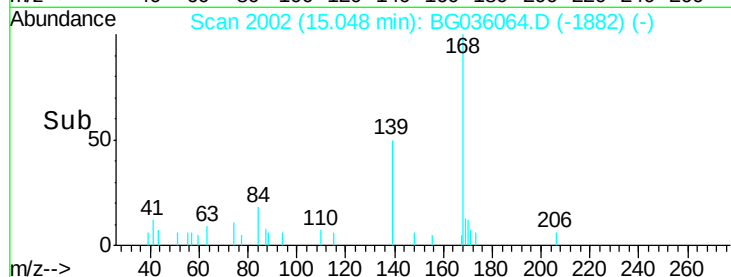
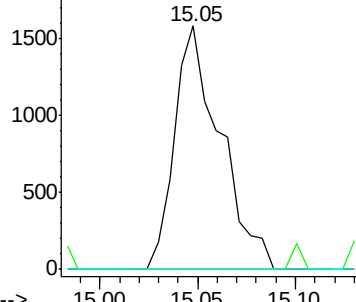
65 0.0 97.2 137.2#



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: 5.266 ng

RT: 14.65 min Scan# 1934

Delta R.T. -0.37 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Tgt Ion:165 Resp: 11225

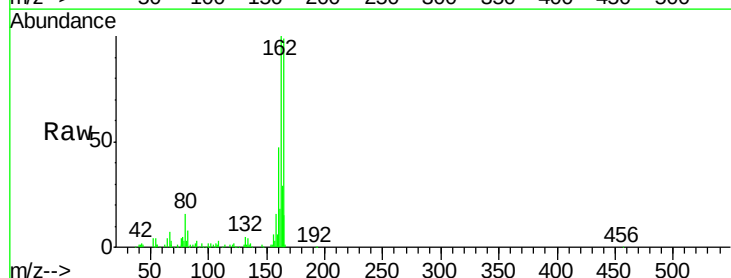
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 5.5 66.9 100.3#

182 0.0 2.6 3.8#

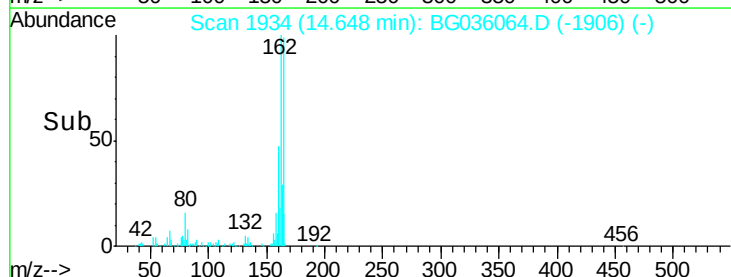
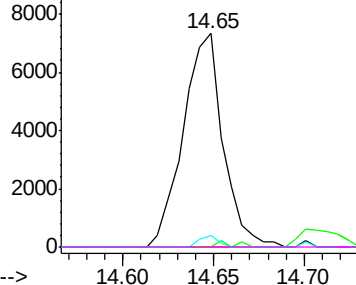


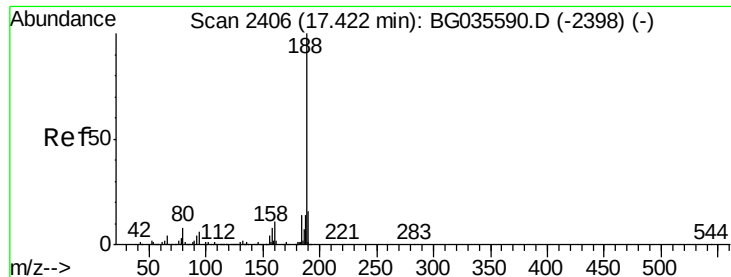
Abundance Ion 165.00 (164.70 to 165.70): E

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

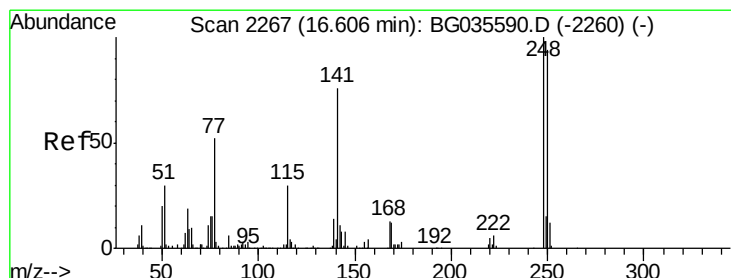
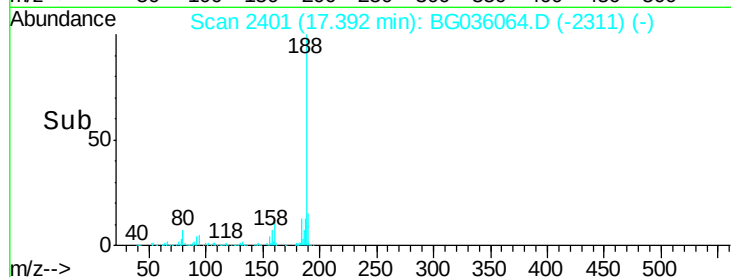
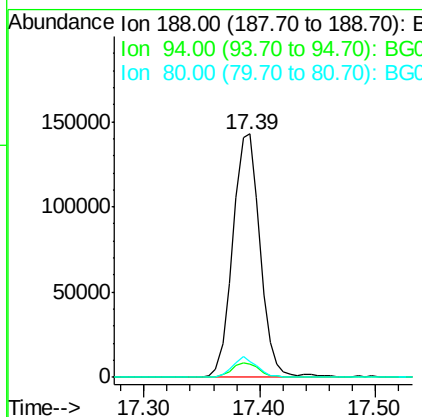
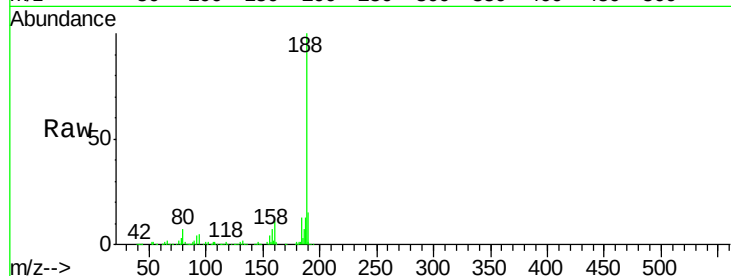




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2401
Delta R.T. -0.00 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

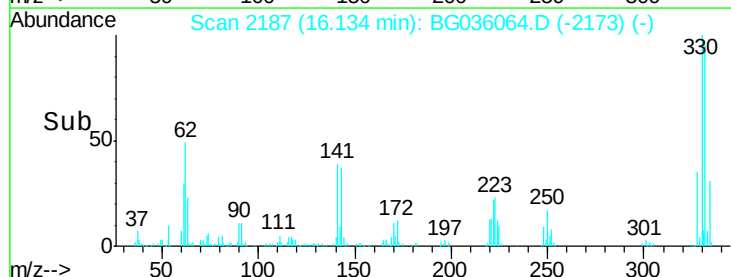
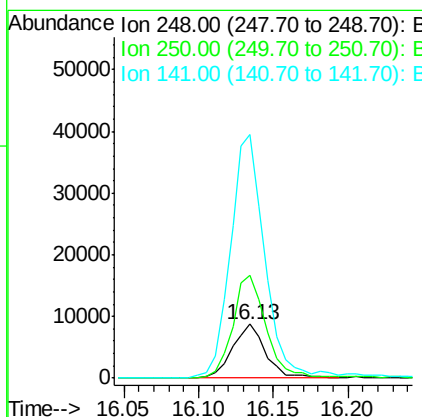
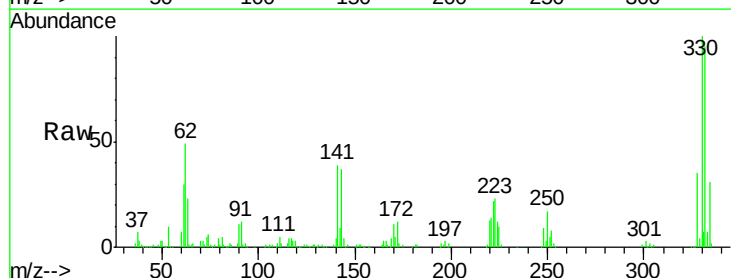
Instrument :
BNA_G
ClientSampleId :
GW-01

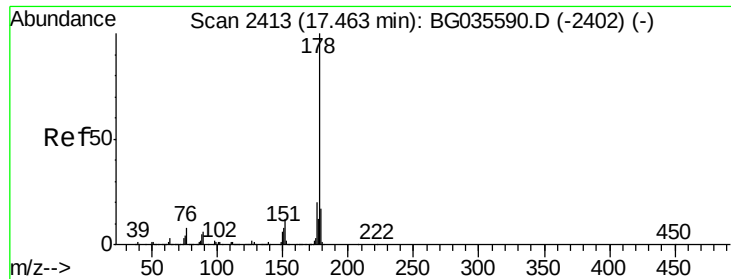
Tgt Ion:188 Resp: 234000
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 6.5 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 4.991 ng
RT: 16.13 min Scan# 2187
Delta R.T. -0.45 min
Lab File: BG036064.D
Acq: 2 Aug 2018 17:28

Tgt Ion:248 Resp: 13549
Ion Ratio Lower Upper
248 100
250 190.4 77.1 115.7#
141 450.0 50.8 76.2#





#70

Phenanthrene

Concen: 4.066 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

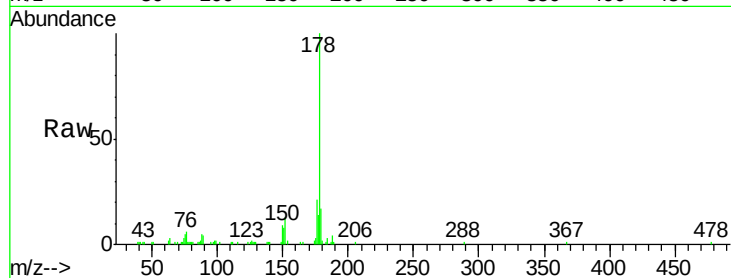
Tgt Ion:178 Resp: 47473

Ion Ratio Lower Upper

178 100

176 21.0 15.7 23.5

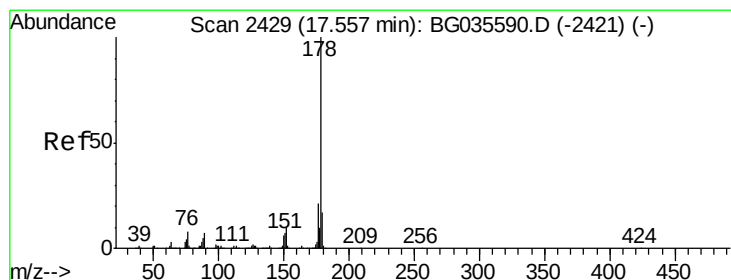
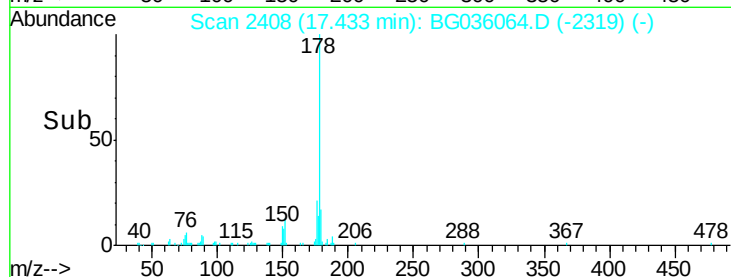
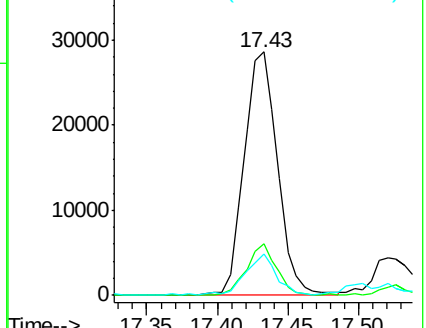
179 17.0 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.083 ng

RT: 17.43 min Scan# 2408

Delta R.T. -0.10 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

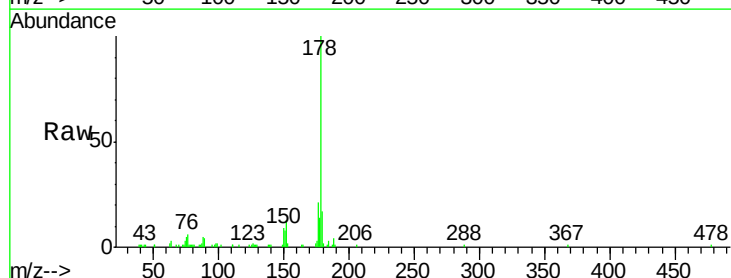
Tgt Ion:178 Resp: 47473

Ion Ratio Lower Upper

178 100

176 21.0 16.0 24.0

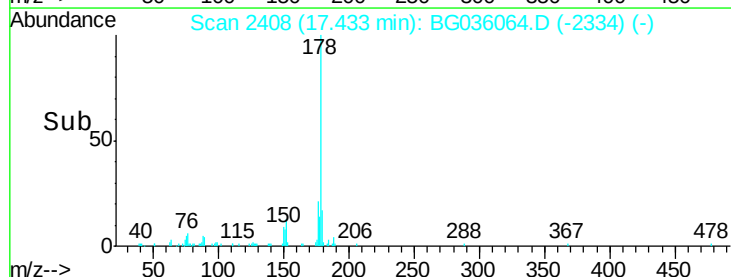
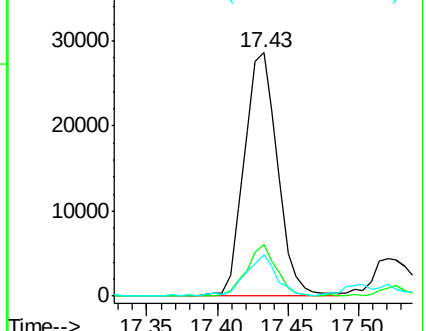
179 17.0 12.5 18.7

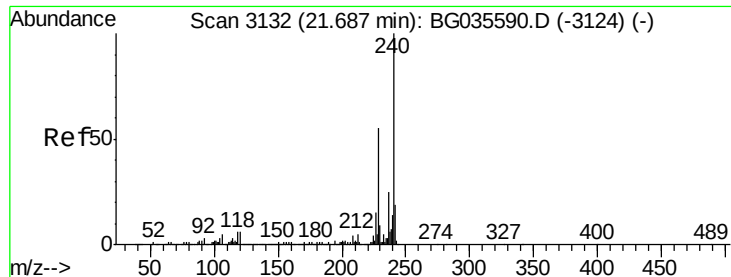


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampleId :

GW-01

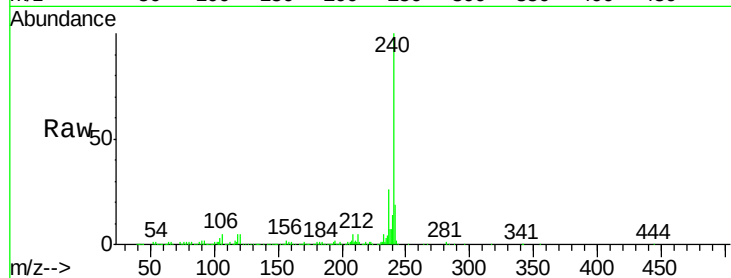
Tgt Ion:240 Resp: 262971

Ion Ratio Lower Upper

240 100

120 5.2 6.8 10.2#

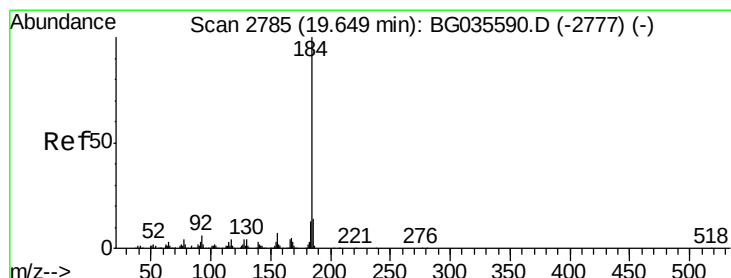
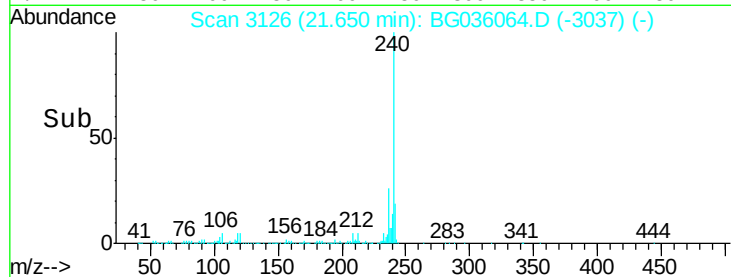
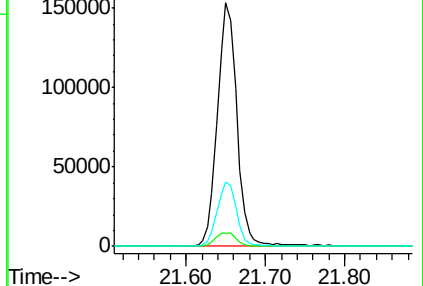
236 26.2 20.9 31.3



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: 2.734 ng

RT: 19.99 min Scan# 2844

Delta R.T. 0.37 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

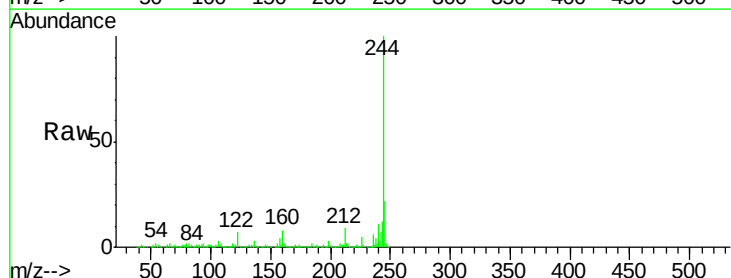
Tgt Ion:184 Resp: 18899

Ion Ratio Lower Upper

184 100

185 22.9 11.1 16.7#

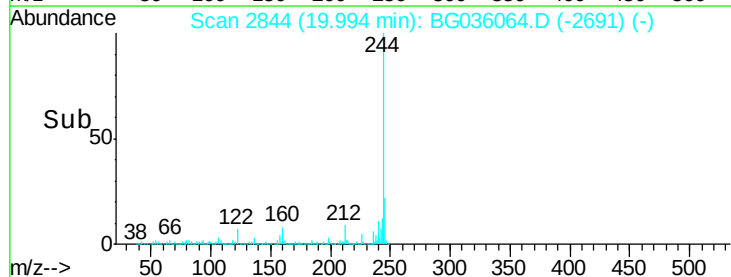
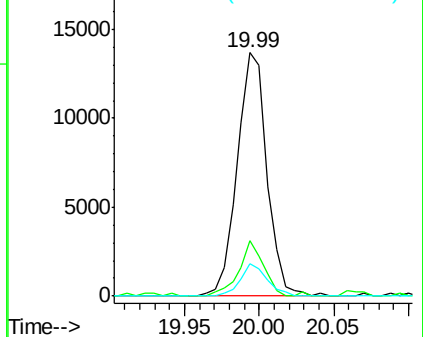
183 13.4 10.6 16.0

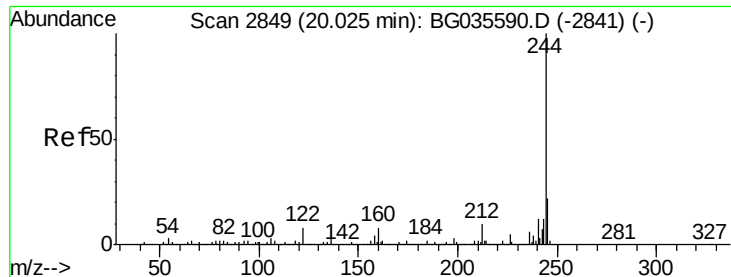


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 90.268 ng

RT: 19.99 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_G

ClientSampled :

GW-01

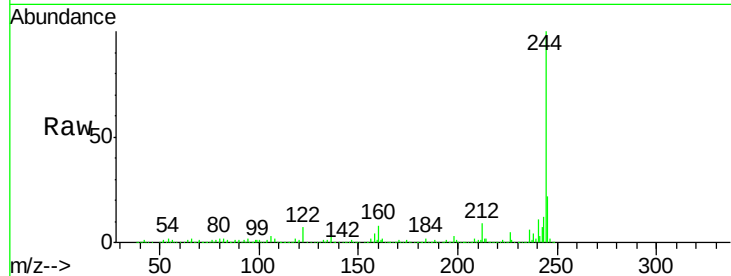
Tgt Ion:244 Resp: 1076883

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.8#

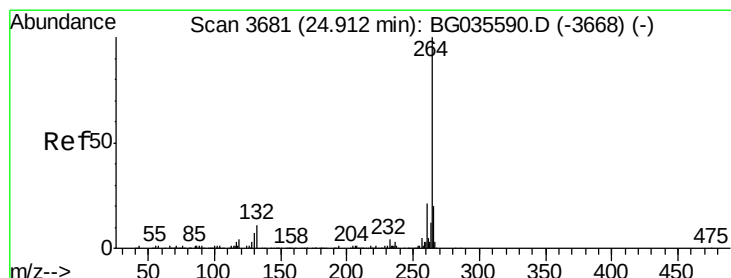
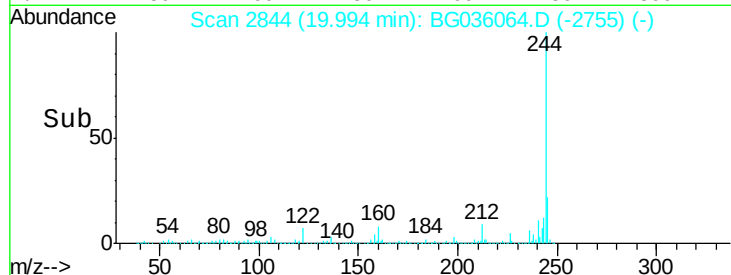
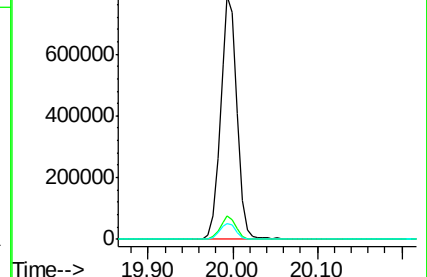
122 6.6 7.0 10.4#



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: 24.84 min Scan# 3669

Delta R.T. -0.02 min

Lab File: BG036064.D

Acq: 2 Aug 2018 17:28

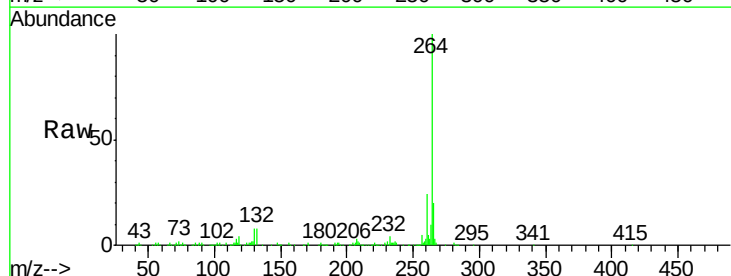
Tgt Ion:264 Resp: 258920

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 20.2 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

