

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022619\
 Data File : BG039607.D
 Acq On : 26 Feb 2019 19:20
 Operator : JU/SJ
 Sample : K1610-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WV-C

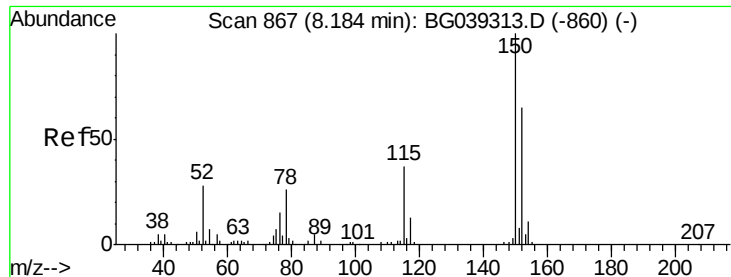
Quant Time: Feb 27 00:00:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	60853	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	261076	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	180587	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	438924	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	434008	20.00	ng	-0.03
87) Perylene-d12	25.20	264	441993	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	505517	142.18	ng	0.00
7) Phenol-d6	7.32	99	732478	139.96	ng	0.00
23) Nitrobenzene-d5	9.34	82	437576	104.71	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	298792	153.65	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	973429	77.33	ng	-0.02
79) Terphenyl-d14	20.12	244	1424784	69.49	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.32	77	1564	Below Cal		# 4
10) Phenol	7.34	94	24941	4.572	ng	# 96
19) n-Nitroso-di-n-propylamine	9.34	70	57862	15.577	ng	# 65
26) 2-Nitrophenol	9.65	139	65	4.048	ng	# 31
48) 2-Nitroaniline	14.00	65	54	8.310	ng	# 10
50) Dimethylphthalate	14.23	163	72028	4.939	ng	# 100
51) 2,6-Dinitrotoluene	14.79	165	22768	13.770	ng	# 24
53) 3-Nitroaniline	14.23	138	55	5.809	ng	# 1
56) 4-Nitrophenol	15.18	139	646	6.021	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22768	13.283	ng	# 19
62) 4-Nitroaniline	16.26	138	62	4.221	ng	# 1
65) 4,6-Dinitro-2-methylphenol	16.28	198	1026	4.924	ng	# 22
67) 4-Bromophenyl-phenylether	16.28	248	23114	4.747	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.67	149	82415	5.069	ng	# 99

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

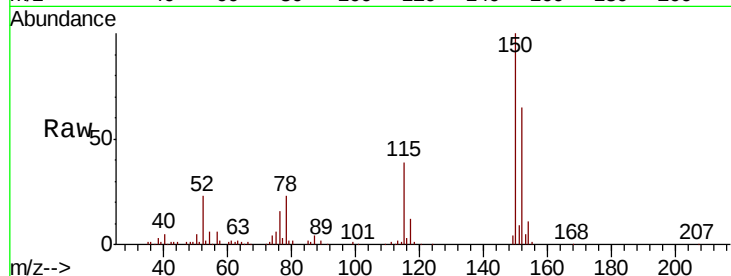


#1

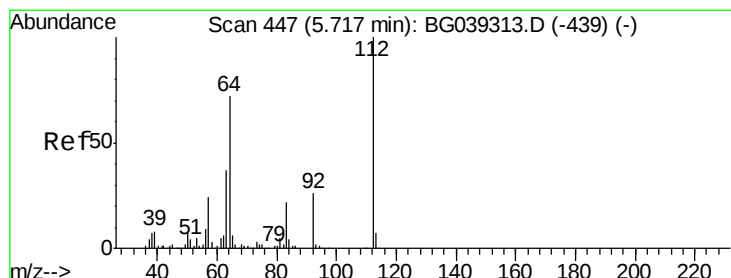
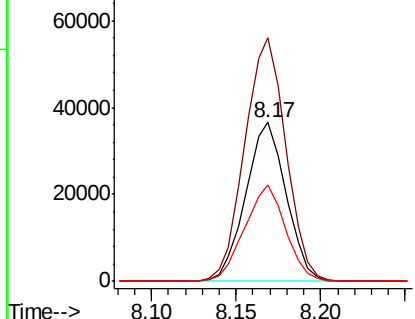
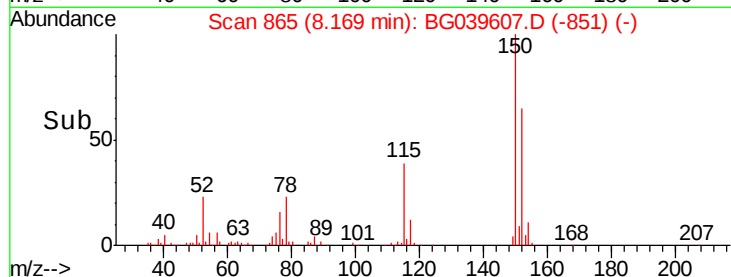
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039607.D
Acq: 26 Feb 2019 19:20

Instrument :
BNA_G
ClientSampleId :
WV-C

Tgt Ion:152 Resp: 60853
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 60.4 45.9 68.9



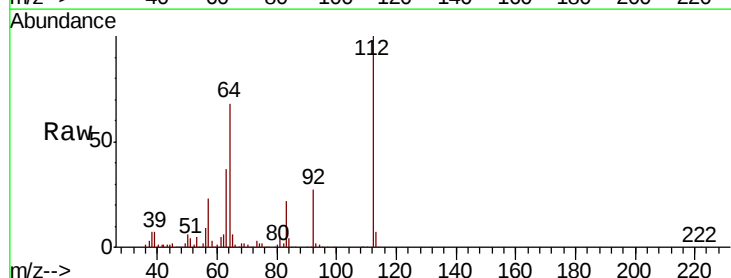
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



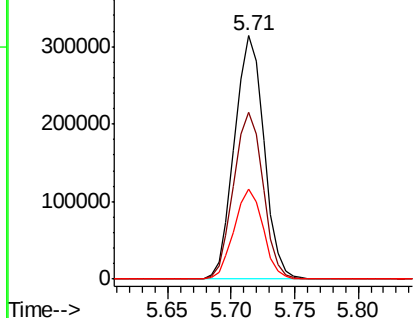
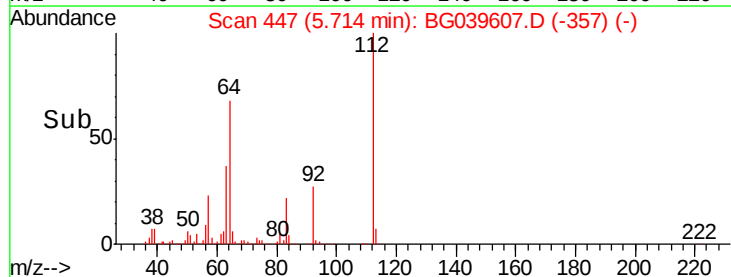
#5

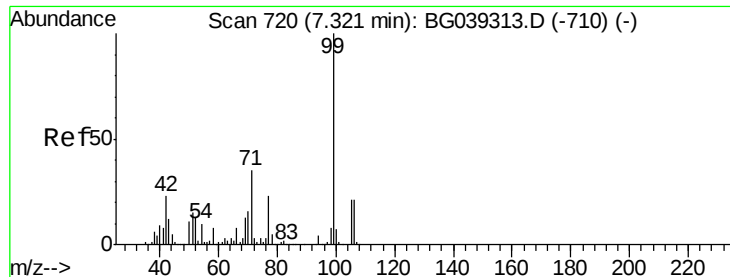
2-Fluorophenol
Concen: 142.178 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039607.D
Acq: 26 Feb 2019 19:20

Tgt Ion:112 Resp: 505517
Ion Ratio Lower Upper
112 100
64 68.4 57.8 86.8
63 37.1 29.8 44.6



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





#7

Phenol-d6

Concen: 139.956 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampled :

WV-C

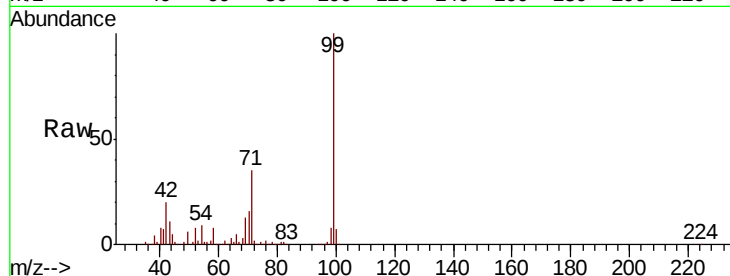
Tgt Ion: 99 Resp: 732478

Ion Ratio Lower Upper

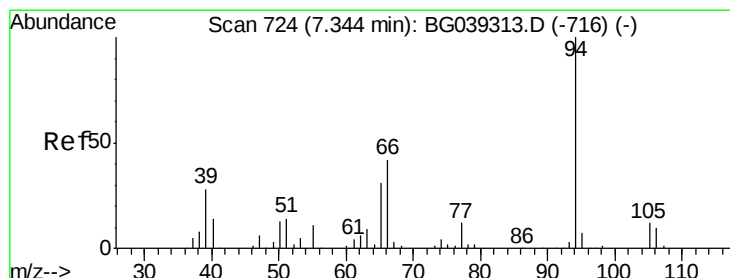
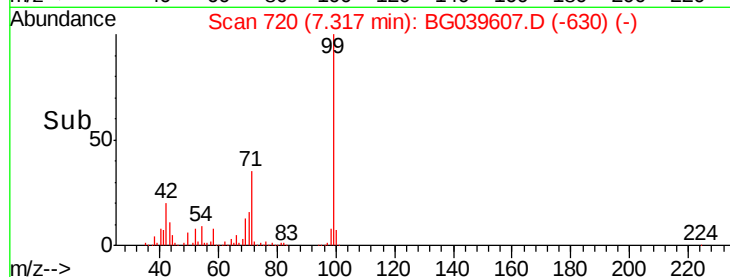
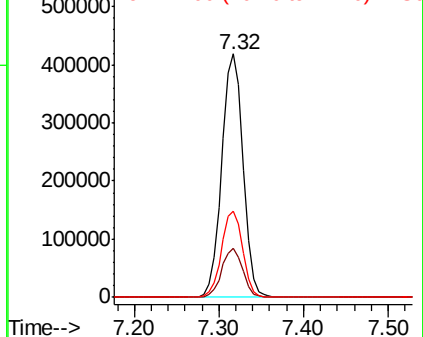
99 100

42 20.1 18.2 27.2

71 35.3 28.0 42.0



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



#10

Phenol

Concen: 4.572 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

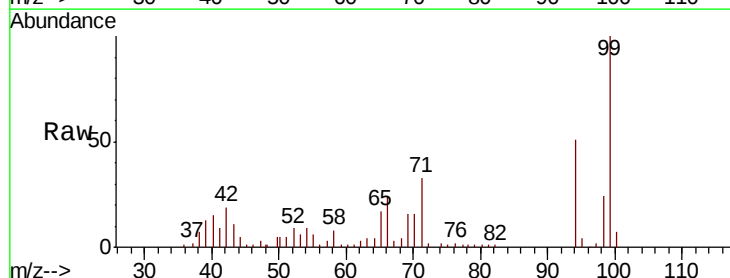
Tgt Ion: 94 Resp: 24941

Ion Ratio Lower Upper

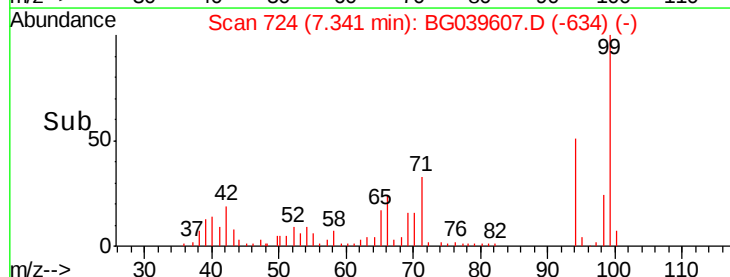
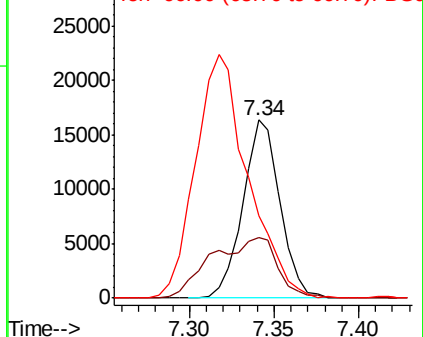
94 100

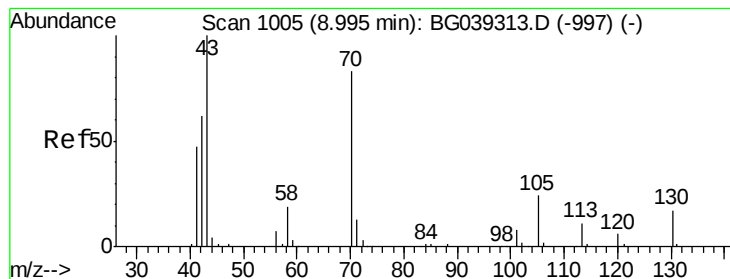
65 33.9 11.7 51.7

66 46.1 23.7 63.7



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 15.577 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

Tgt Ion: 70 Resp: 57862

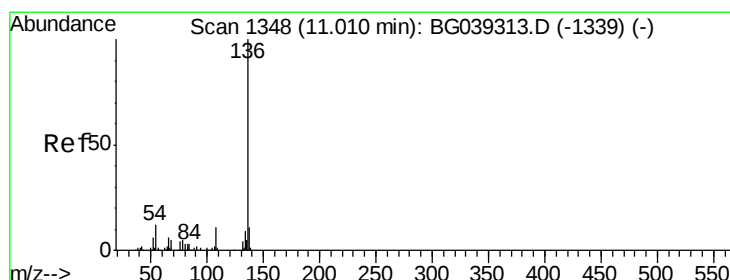
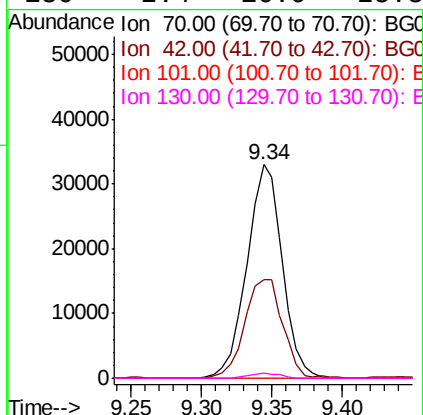
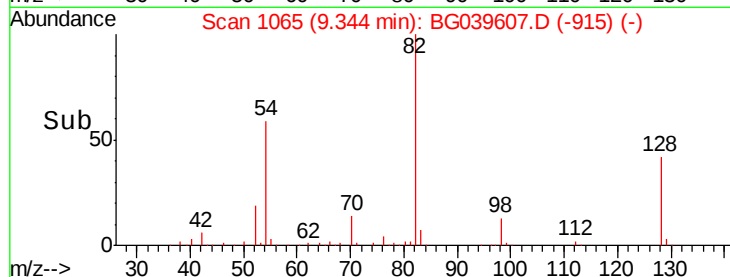
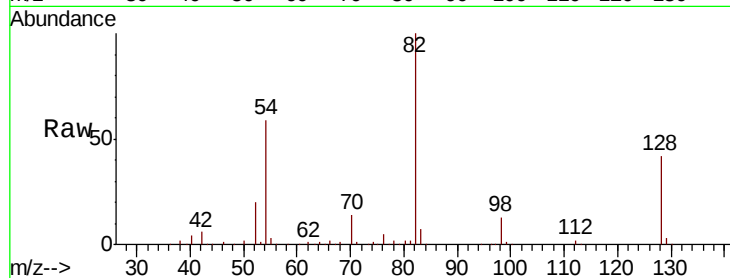
Ion Ratio Lower Upper

70 100

42 46.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Tgt Ion: 136 Resp: 261076

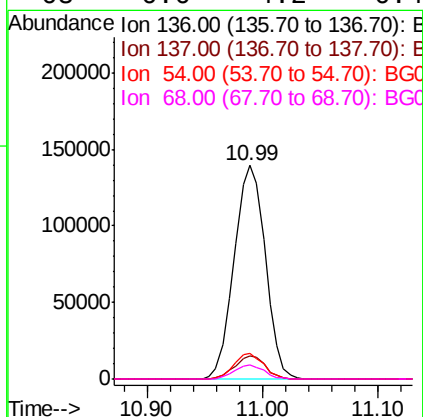
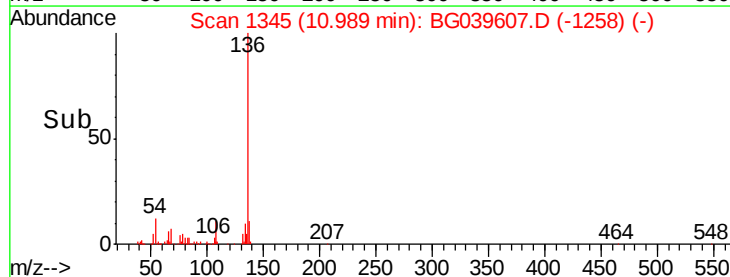
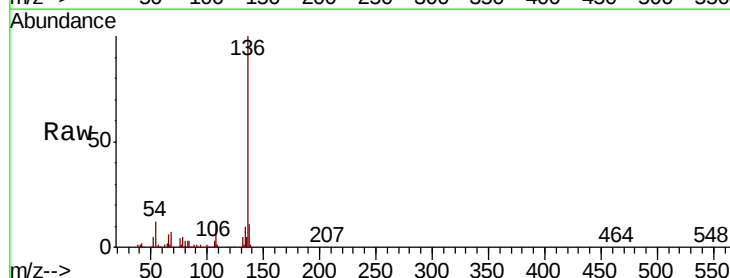
Ion Ratio Lower Upper

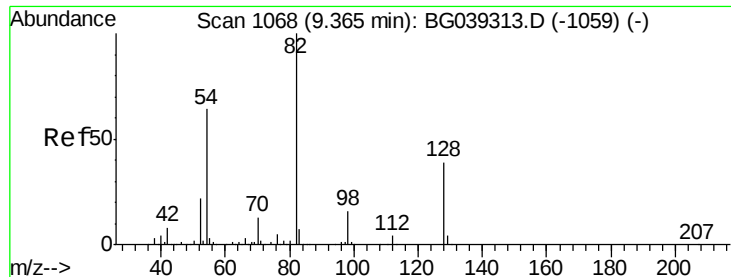
136 100

137 10.6 9.1 13.7

54 11.9 9.4 14.2

68 6.6 4.2 6.4#

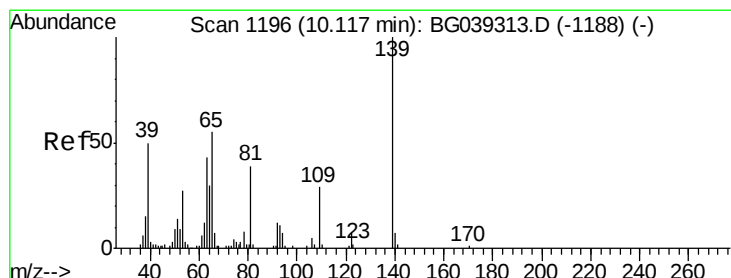
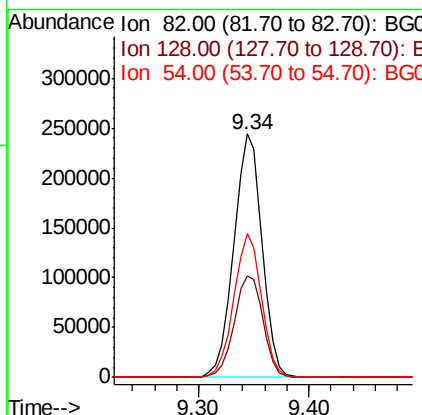
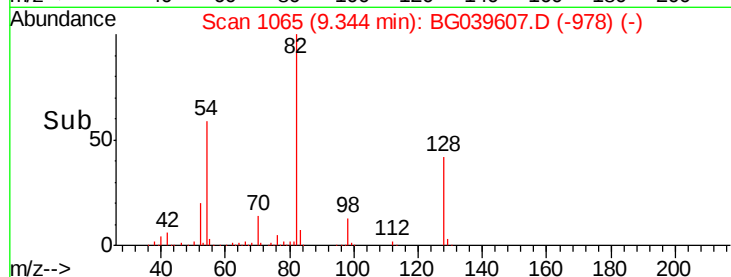
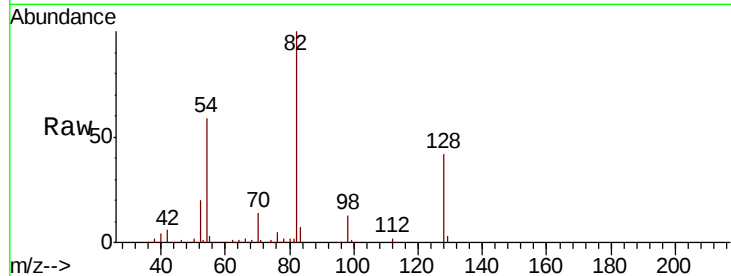




#23
Nitrobenzene-d5
Concen: 104.705 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039607.D
Acq: 26 Feb 2019 19:20

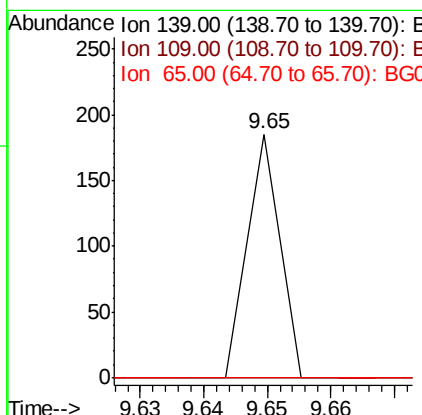
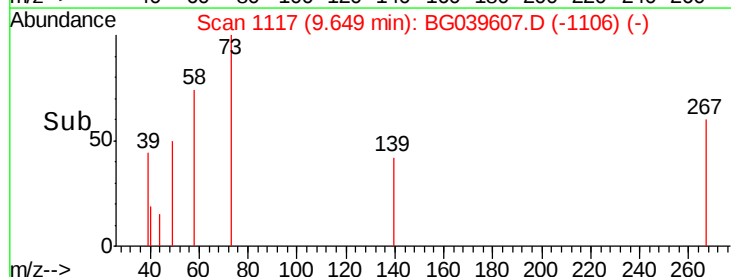
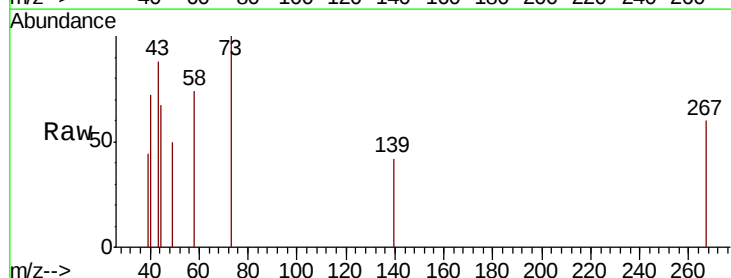
Instrument :
BNA_G
ClientSampleId :
WV-C

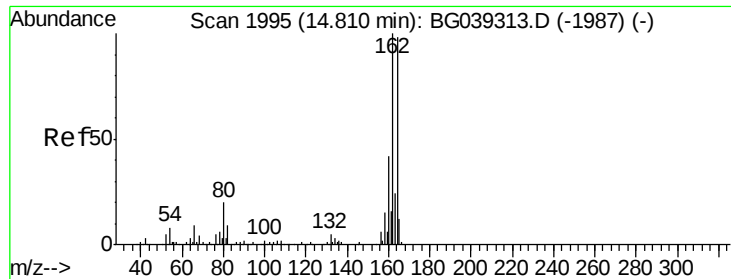
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	31.3	46.9
54	59.1	50.9	76.3



#26
2-Nitrophenol
Concen: 4.048 ng
RT: 9.65 min Scan# 1117
Delta R.T. -0.47 min
Lab File: BG039607.D
Acq: 26 Feb 2019 19:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.4	35.0#
65	0.0	44.3	66.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

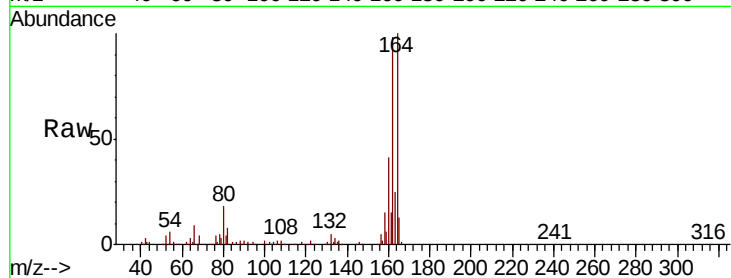
Tgt Ion:164 Resp: 180587

Ion Ratio Lower Upper

164 100

162 98.2 81.6 122.4

160 41.4 34.2 51.2

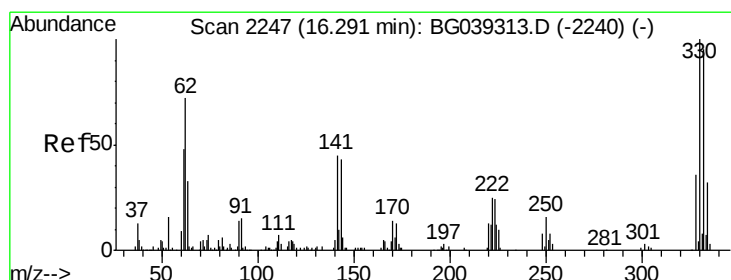
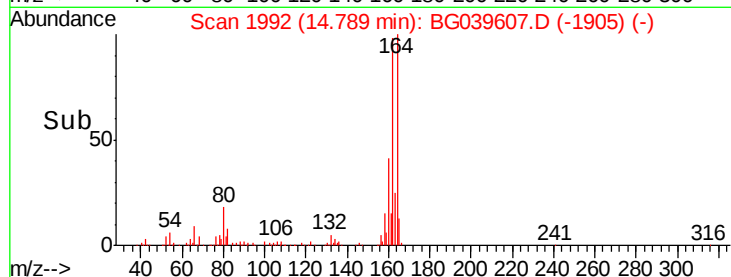
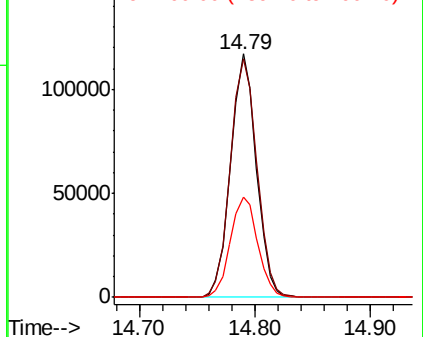


Abundance

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



#42

2,4,6-Tribromophenol

Concen: 153.651 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

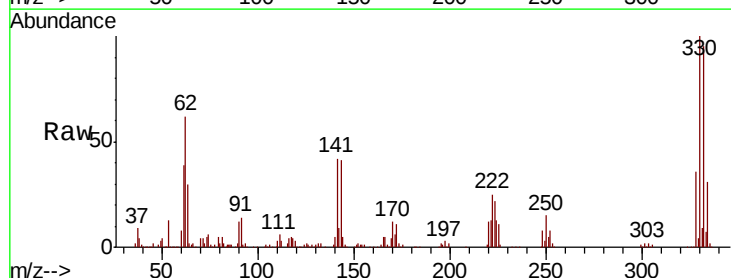
Tgt Ion:330 Resp: 298792

Ion Ratio Lower Upper

330 100

332 95.5 75.7 113.5

141 41.2 35.6 53.4

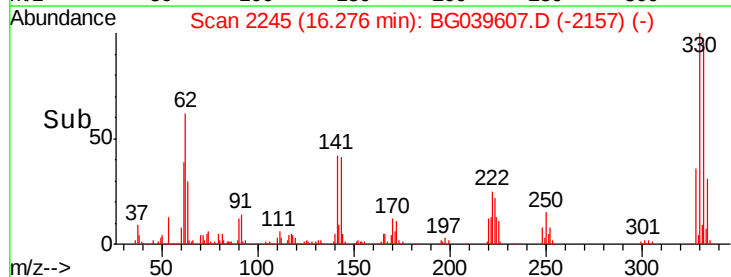
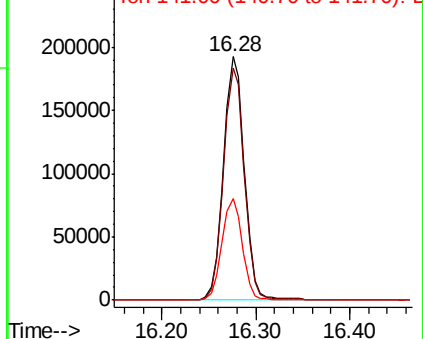


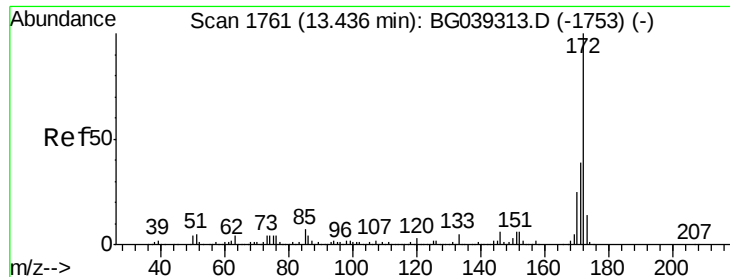
Abundance

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





#45

2-Fluorobiphenyl

Concen: 77.327 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

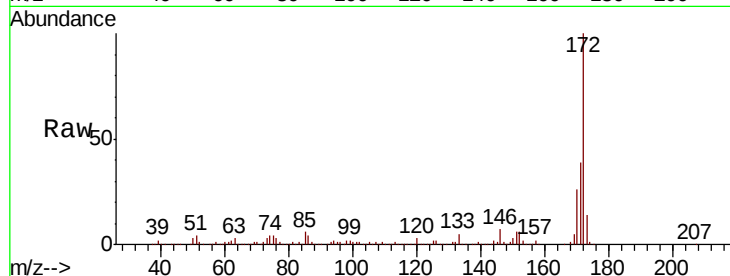
Tgt Ion:172 Resp: 973429

Ion Ratio Lower Upper

172 100

171 39.2 30.8 46.2

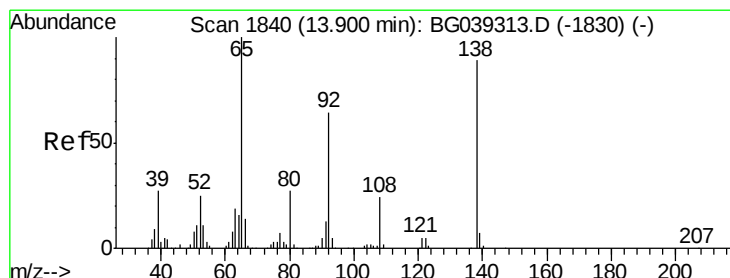
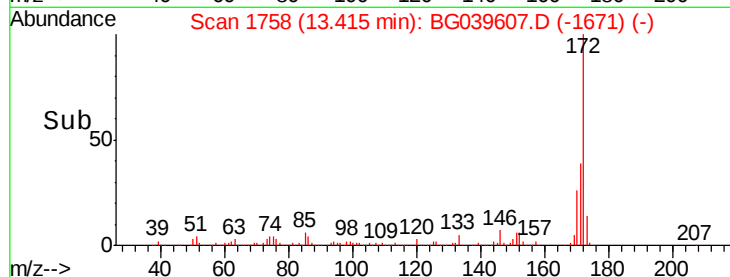
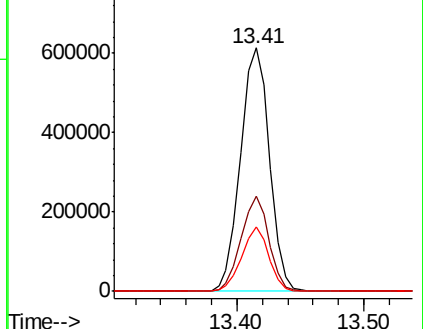
170 26.5 20.2 30.4



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



#48

2-Nitroaniline

Concen: 8.310 ng

RT: 14.00 min Scan# 1857

Delta R.T. 0.10 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

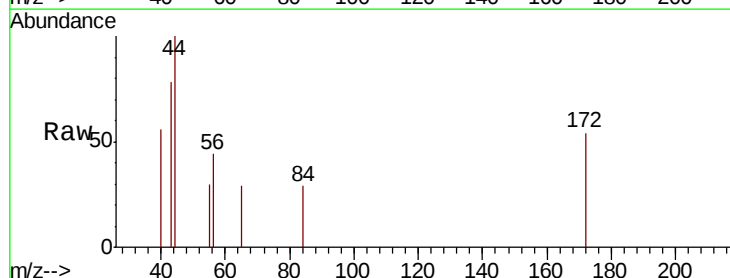
Tgt Ion: 65 Resp: 54

Ion Ratio Lower Upper

65 100

92 0.0 51.4 77.2#

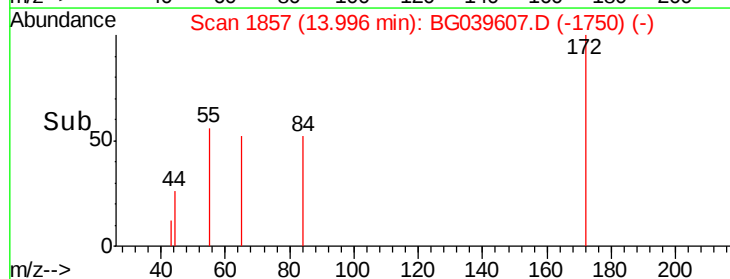
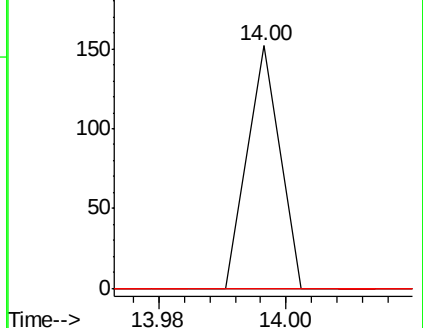
138 0.0 71.4 107.2#

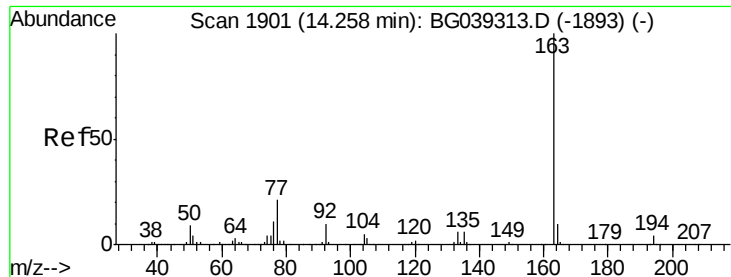


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 4.939 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

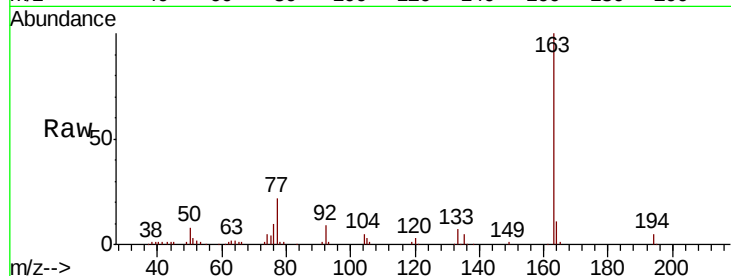
Tgt Ion:163 Resp: 72028

Ion Ratio Lower Upper

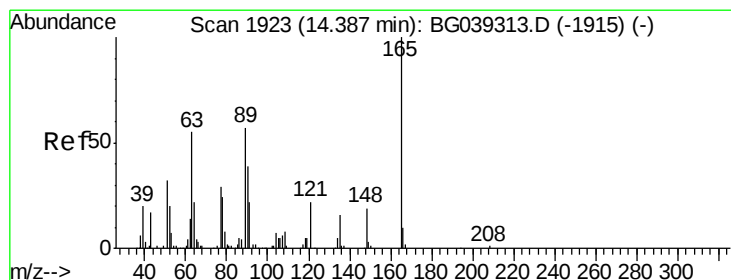
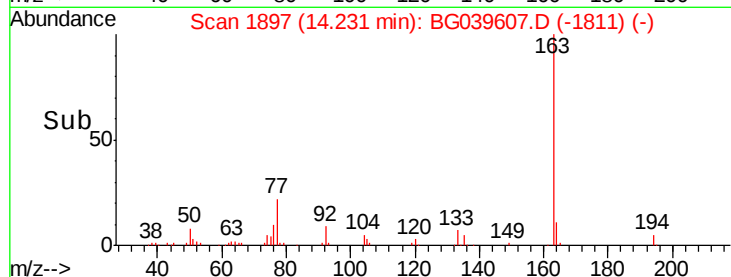
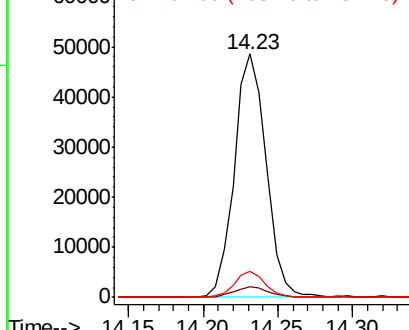
163 100

194 4.5 3.6 5.4

164 10.7 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 13.770 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

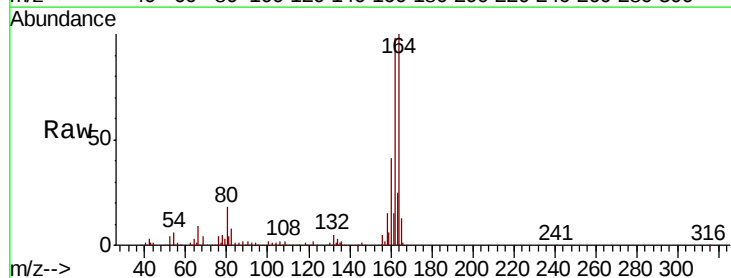
Tgt Ion:165 Resp: 22768

Ion Ratio Lower Upper

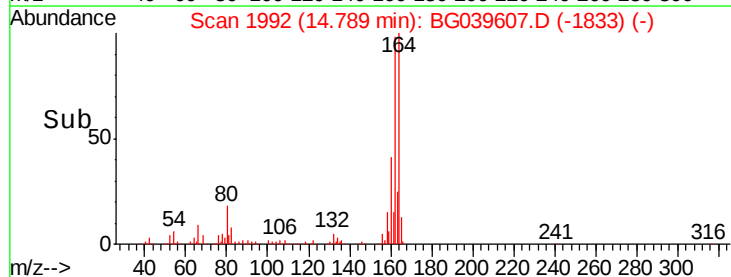
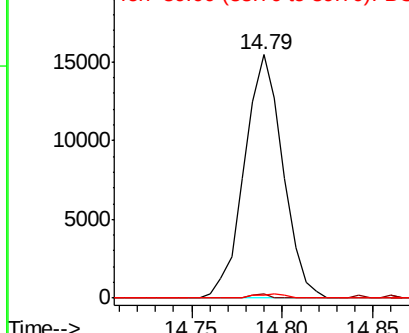
165 100

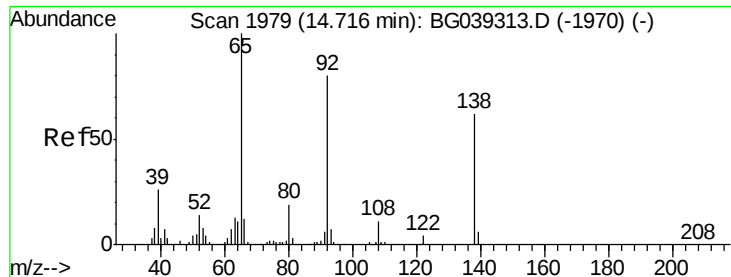
63 1.9 47.0 70.6#

89 1.0 45.8 68.8#



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





#53

3-Nitroaniline

Concen: 5.809 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.48 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

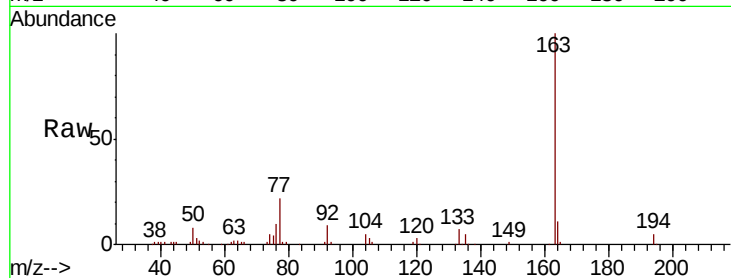
Tgt Ion:138 Resp: 55

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

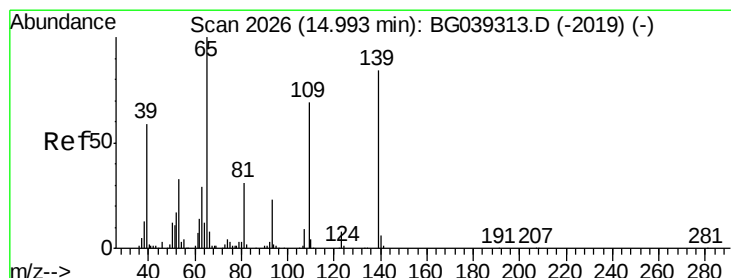
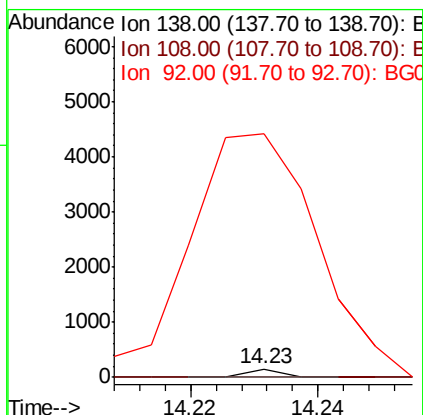
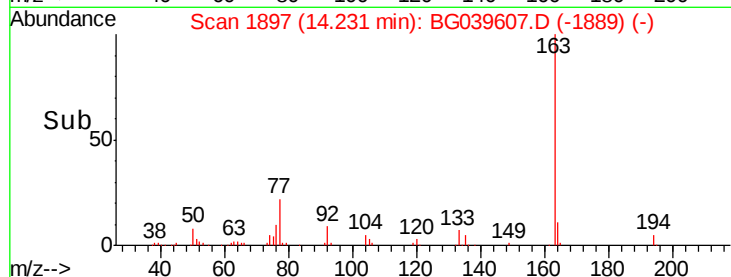
92 2832.1 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 6.021 ng

RT: 15.18 min Scan# 2059

Delta R.T. 0.19 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

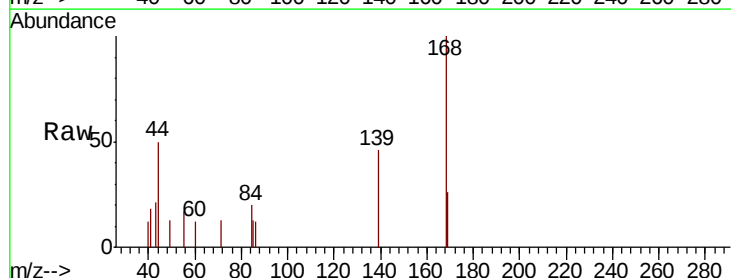
Tgt Ion:139 Resp: 646

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

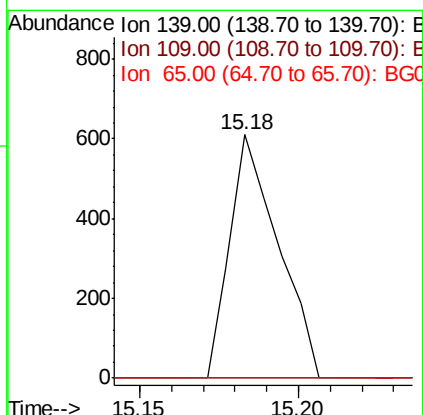
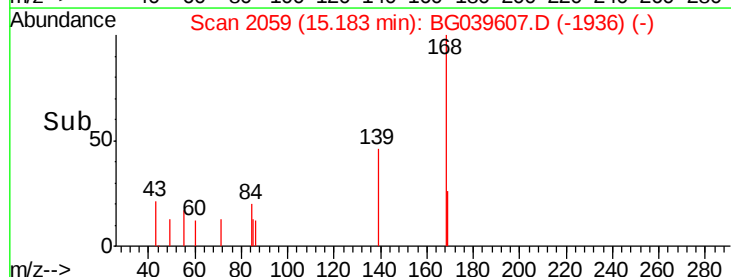
65 0.0 99.1 139.1#

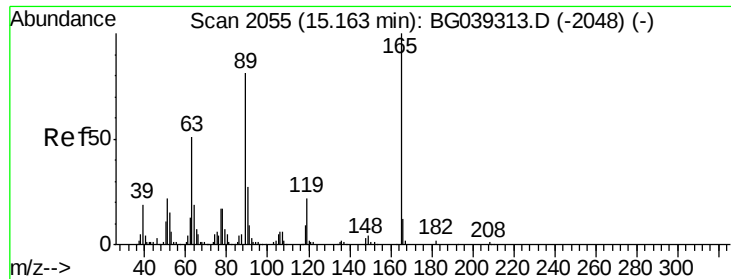


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

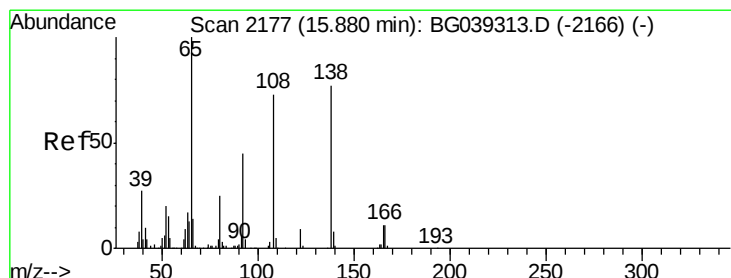
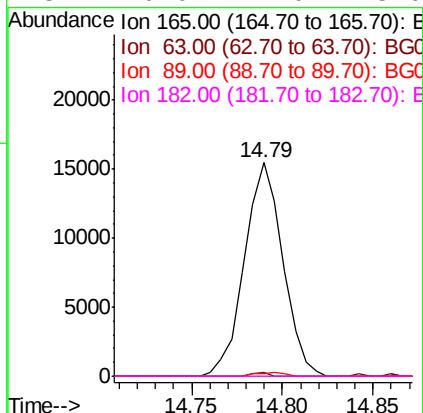
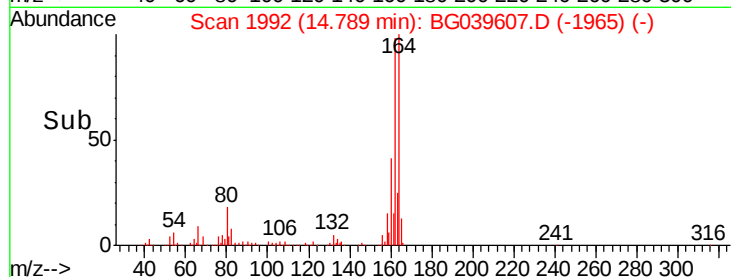
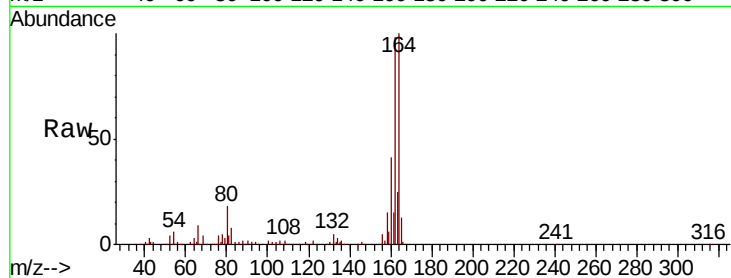




#57
 2,4-Dinitrotoluene
 Concen: 13.283 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039607.D
 Acq: 26 Feb 2019 19:20

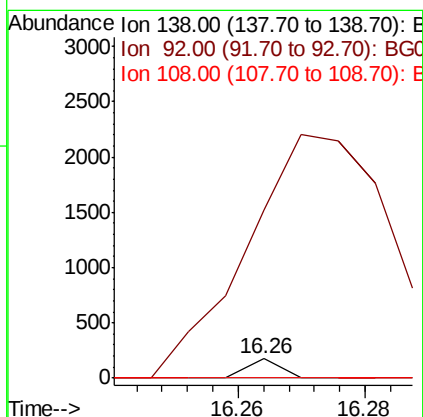
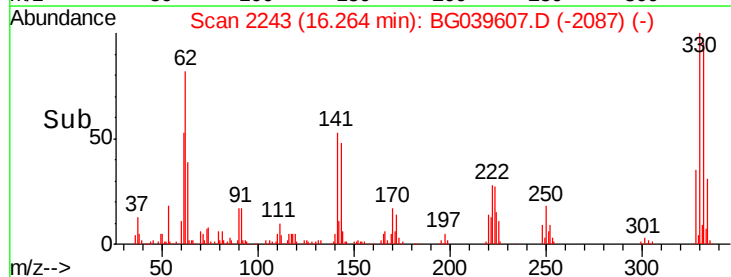
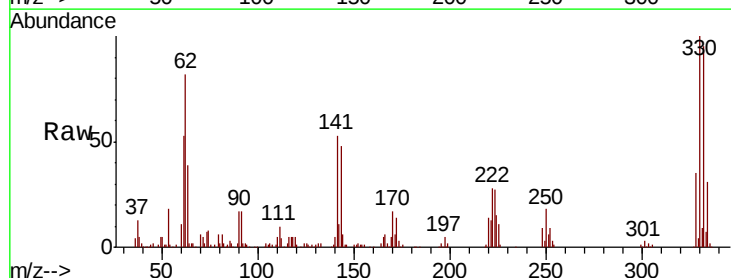
Instrument :
 BNA_G
 ClientSampleId :
 WV-C

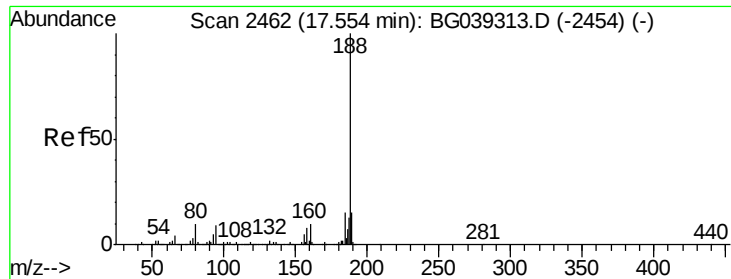
Tgt Ion:165 Resp: 22768
 Ion Ratio Lower Upper
 165 100
 63 1.9 41.0 61.6#
 89 1.0 64.6 96.8#
 182 0.0 2.0 3.0#



#62
 4-Nitroaniline
 Concen: 4.221 ng
 RT: 16.26 min Scan# 2243
 Delta R.T. 0.38 min
 Lab File: BG039607.D
 Acq: 26 Feb 2019 19:20

Tgt Ion:138 Resp: 62
 Ion Ratio Lower Upper
 138 100
 92 871.4 38.7 78.7#
 108 0.0 74.6 114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

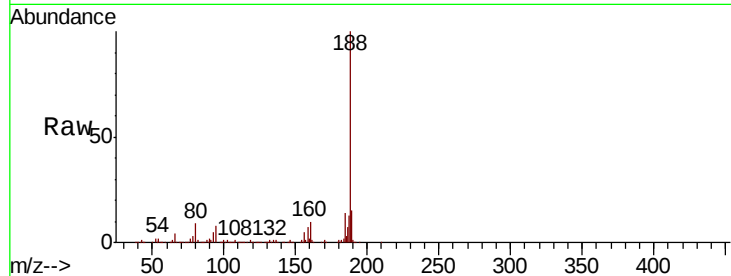
Tgt Ion:188 Resp: 438924

Ion Ratio Lower Upper

188 100

94 8.3 6.9 10.3

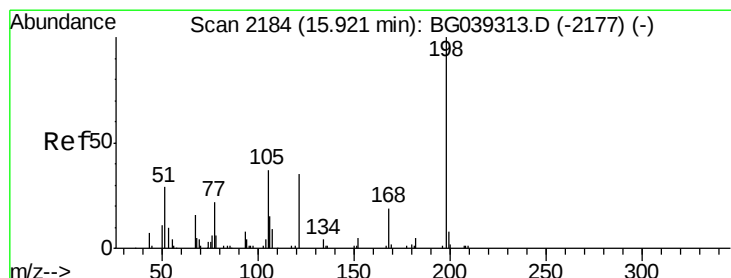
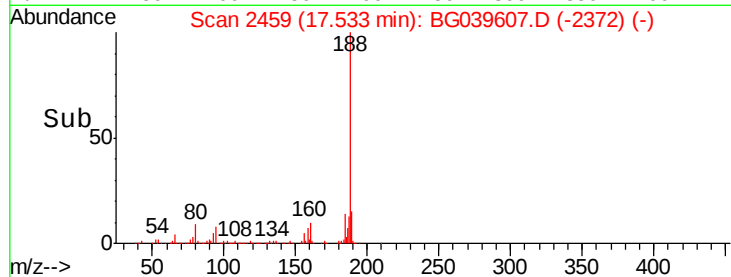
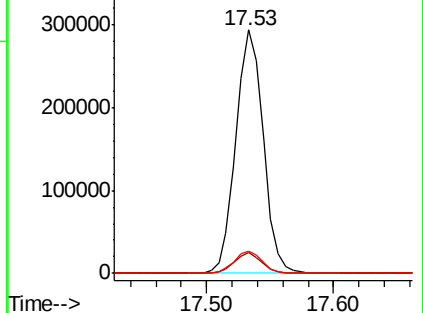
80 9.0 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.924 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

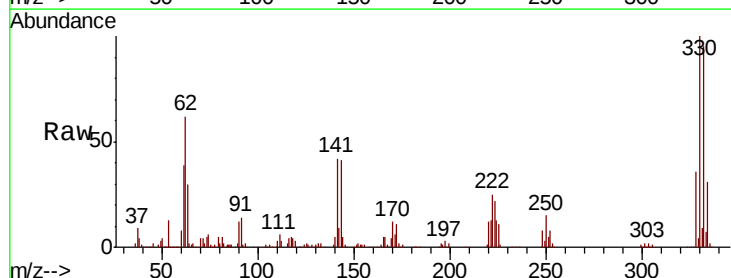
Tgt Ion:198 Resp: 1026

Ion Ratio Lower Upper

198 100

51 92.5 27.4 67.4#

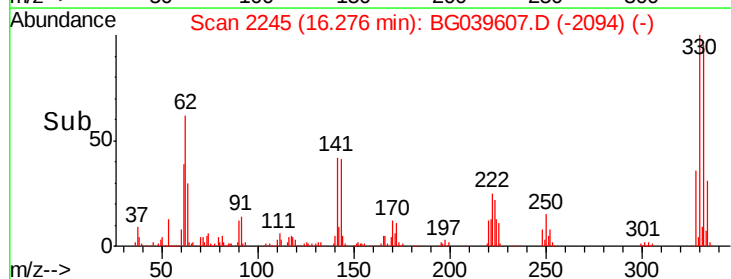
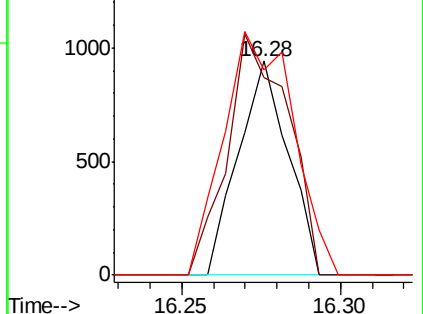
105 95.8 19.7 59.7#

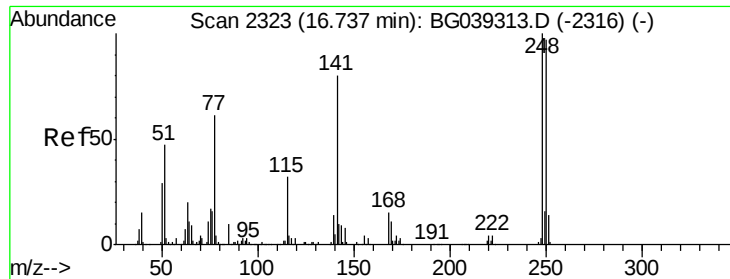


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

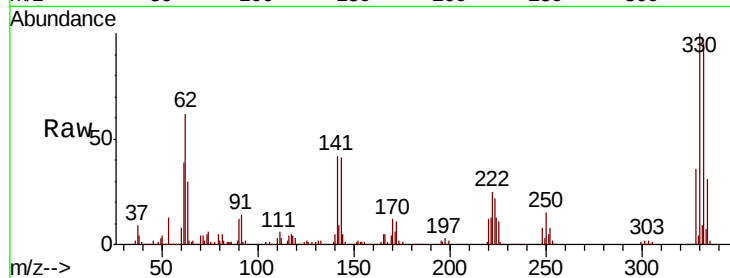




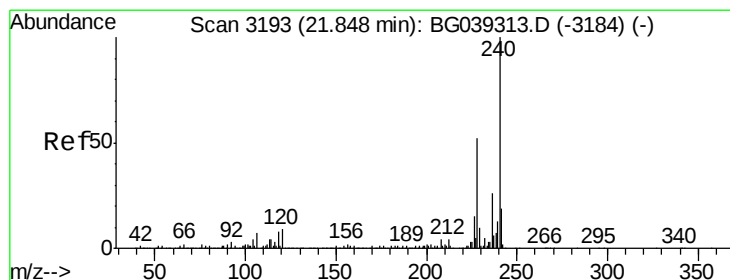
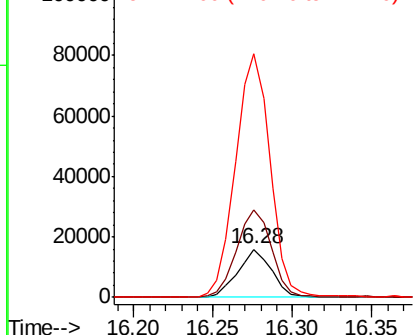
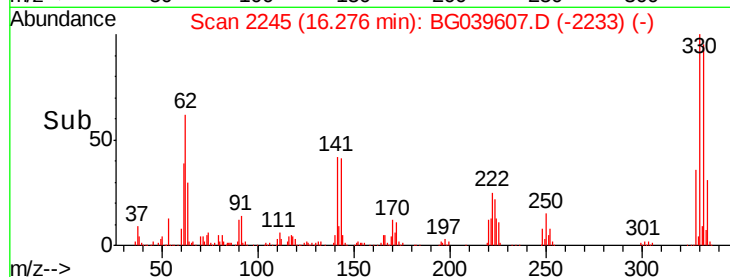
#67
 4-Bromophenyl-phenylether
 Concen: 4.747 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039607.D
 Acq: 26 Feb 2019 19:20

Instrument :
 BNA_G
 ClientSampleId :
 WV-C

Tgt Ion:248 Resp: 23114
 Ion Ratio Lower Upper
 248 100
 250 182.9 77.6 116.4#
 141 506.6 63.9 95.9#

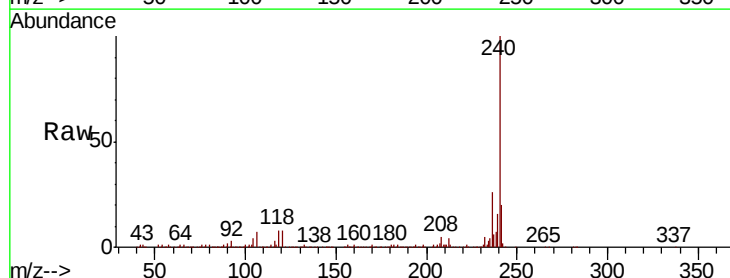


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

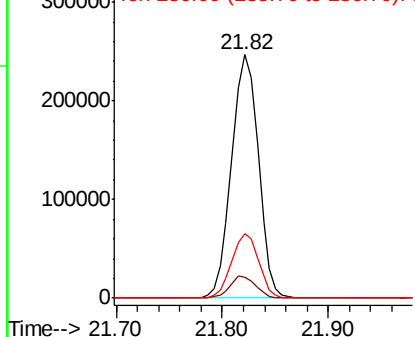
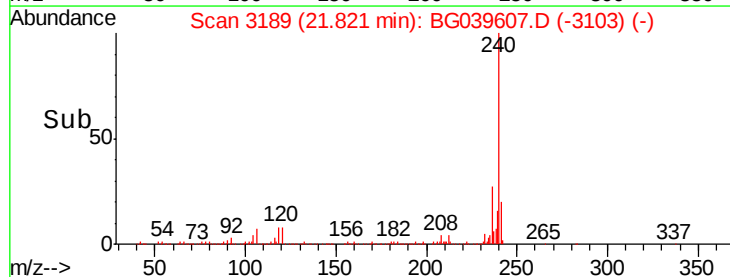


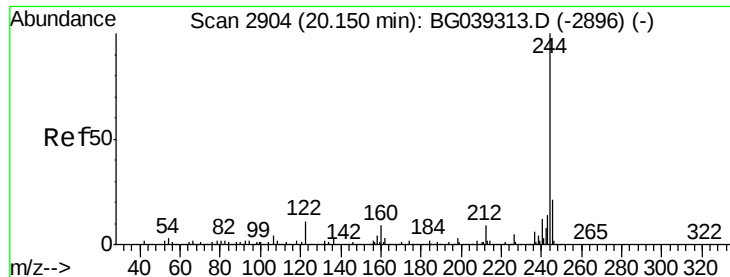
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.82 min Scan# 3189
 Delta R.T. -0.03 min
 Lab File: BG039607.D
 Acq: 26 Feb 2019 19:20

Tgt Ion:240 Resp: 434008
 Ion Ratio Lower Upper
 240 100
 120 8.5 7.0 10.6
 236 26.5 21.0 31.4



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





#79

Terphenyl-d14

Concen: 69.488 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

Instrument :

BNA_G

ClientSampleId :

WV-C

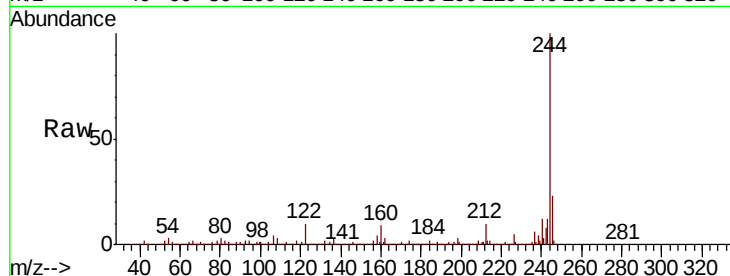
Tgt Ion:244 Resp: 1424784

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

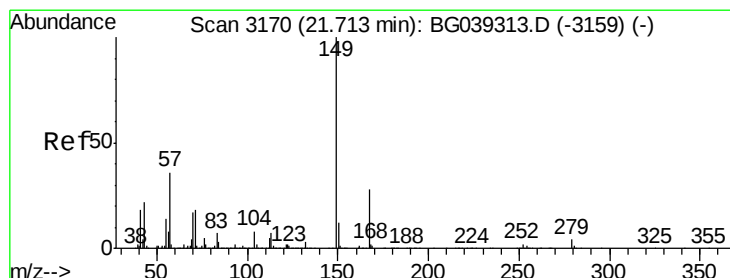
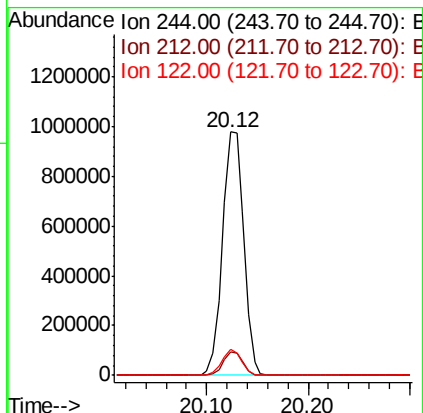
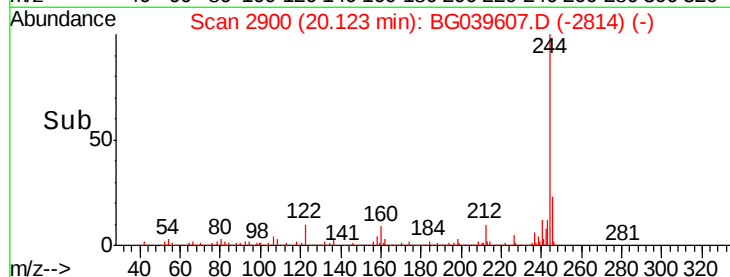
122 10.4 8.4 12.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.069 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.04 min

Lab File: BG039607.D

Acq: 26 Feb 2019 19:20

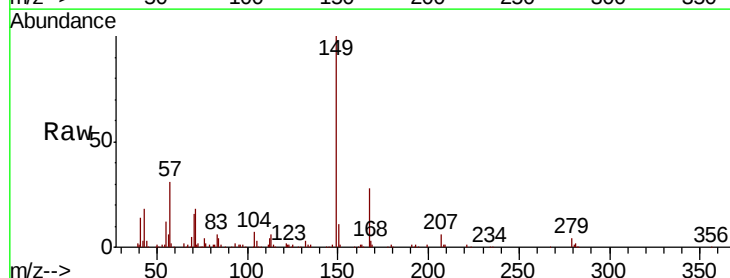
Tgt Ion:149 Resp: 82415

Ion Ratio Lower Upper

149 100

167 27.6 22.6 34.0

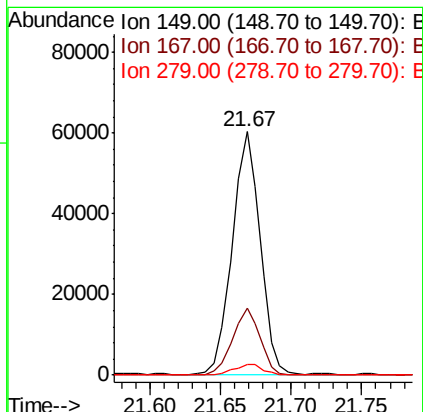
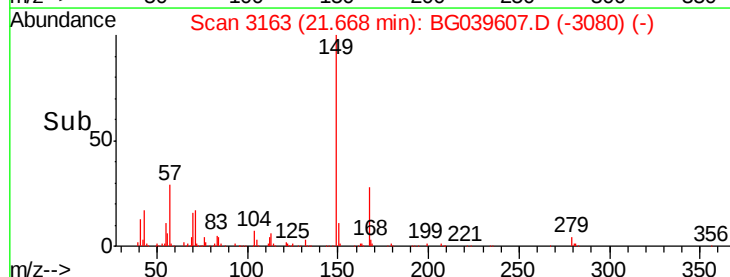
279 4.3 3.5 5.3

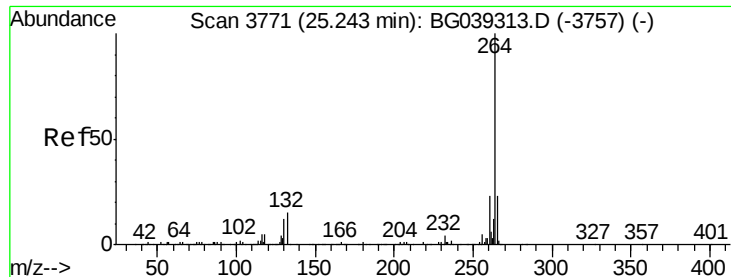


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.20 min Scan# 3764
Delta R.T. -0.04 min
Lab File: BG039607.D
Acq: 26 Feb 2019 19:20

Instrument :
BNA_G
ClientSampleId :
WV-C

Tgt Ion:	264	Resp:	441993
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	20.9	18.5	27.7

