

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021119\
 Data File : BG039438.D
 Acq On : 11 Feb 2019 17:33
 Operator : JU/SJ
 Sample : K1453-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 M-9-D

Quant Time: Feb 12 00:15:32 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	49386	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	230493	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	164993	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	403891	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	402462	20.00	ng	-0.02
87) Perylene-d12	25.21	264	409736	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	473994	164.27	ng	0.00
7) Phenol-d6	7.31	99	696705	164.03	ng	-0.01
23) Nitrobenzene-d5	9.35	82	401400	108.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	297660	167.54	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1032963	89.81	ng	-0.01
79) Terphenyl-d14	20.13	244	1533697	80.66	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1872	Below Cal		# 4
10) Phenol	7.34	94	22184	5.010	ng	# 92
19) n-Nitroso-di-n-propylamine	9.35	70	53832	17.857	ng	# 68
48) 2-Nitroaniline	14.24	65	542	8.447	ng	# 1
50) Dimethylphthalate	14.23	163	60195	4.517	ng	# 98
51) 2,6-Dinitrotoluene	14.24	165	863	6.858	ng	# 39
53) 3-Nitroaniline	14.63	138	60	5.812	ng	# 1
56) 4-Nitrophenol	15.39	139	58	5.816	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	21959	13.586	ng	# 19
62) 4-Nitroaniline	16.14	138	59	4.222	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	1070	5.024	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	23258	5.191	ng	# 1
77) Benzidine	20.13	184	28071	2.127	ng	# 93

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

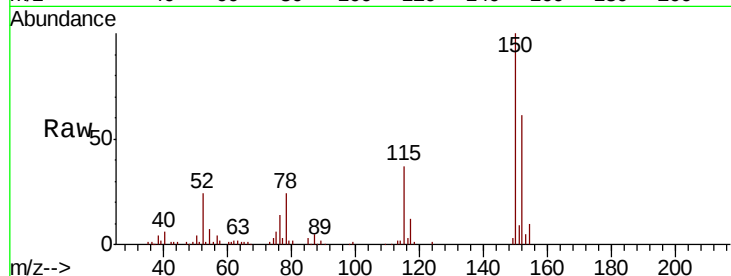


#1

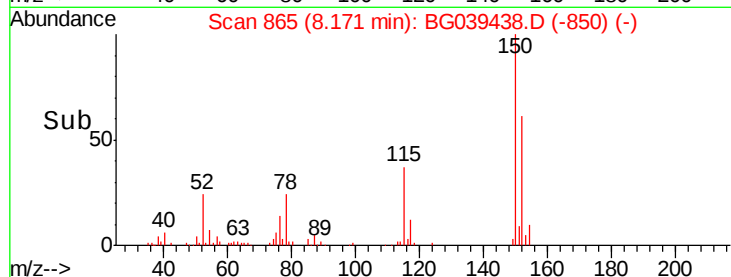
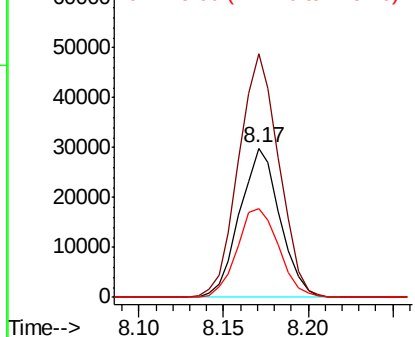
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

Instrument :
BNA_G
ClientSampleId :
M-9-D

Tgt Ion:152 Resp: 49386
Ion Ratio Lower Upper
152 100
150 162.9 123.7 185.5
115 59.8 45.9 68.9



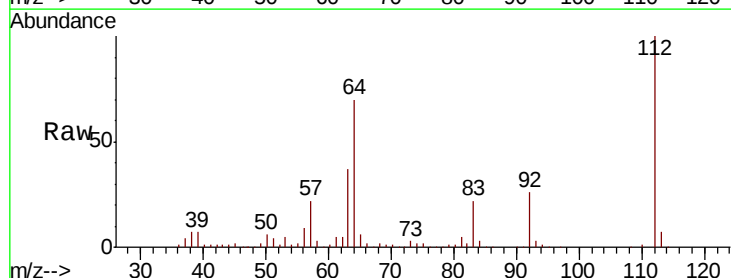
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



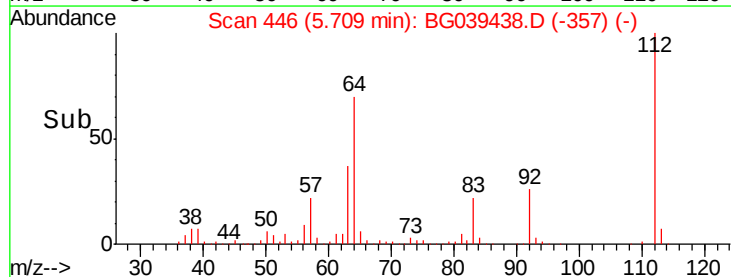
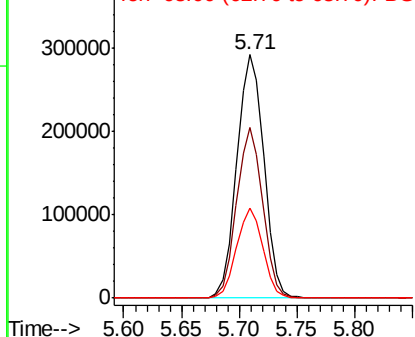
#5

2-Fluorophenol
Concen: 164.266 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

Tgt Ion:112 Resp: 473994
Ion Ratio Lower Upper
112 100
64 70.1 57.8 86.8
63 36.8 29.8 44.6



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: 164.030 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

Instrument :

BNA_G

ClientSampleId :

M-9-D

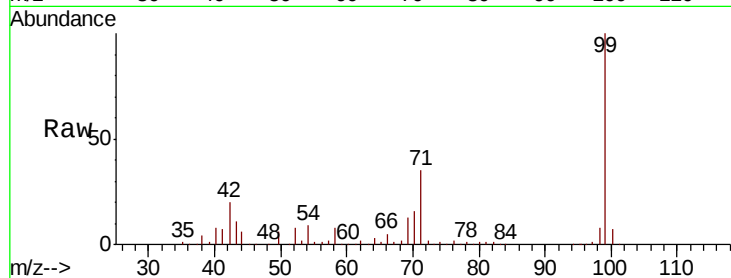
Tgt Ion: 99 Resp: 696705

Ion Ratio Lower Upper

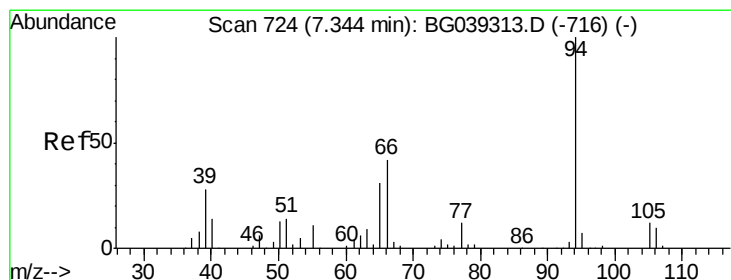
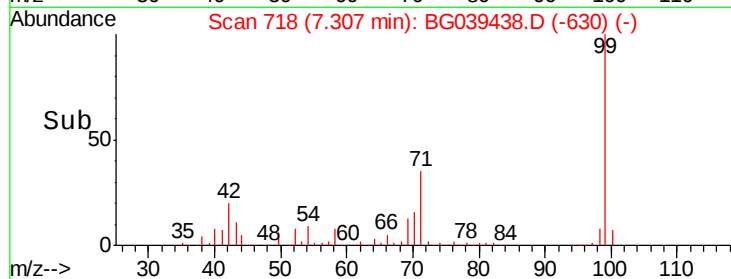
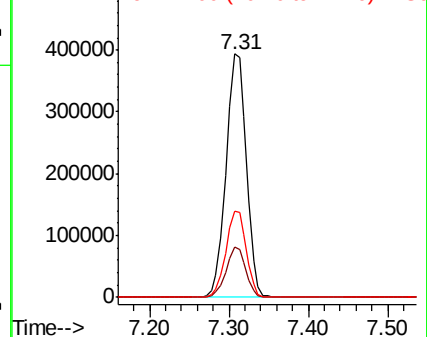
99 100

42 20.4 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: 5.010 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

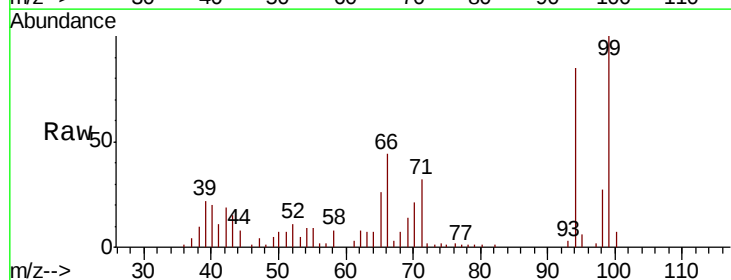
Tgt Ion: 94 Resp: 22184

Ion Ratio Lower Upper

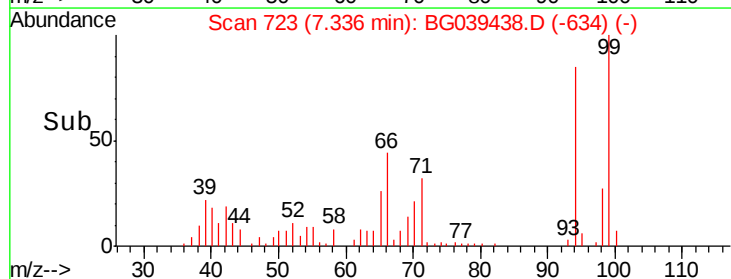
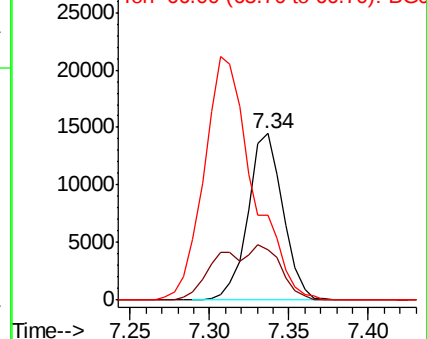
94 100

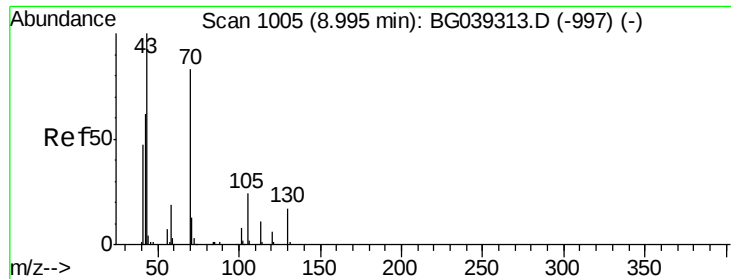
65 30.5 11.7 51.7

66 51.4 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

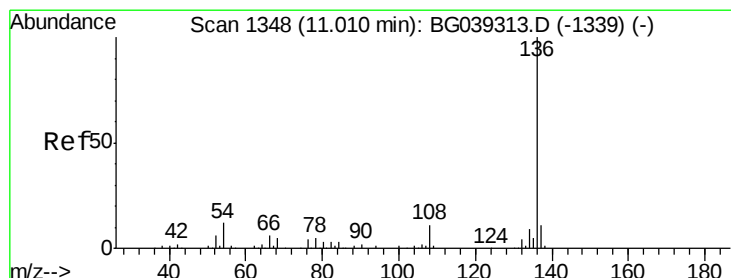
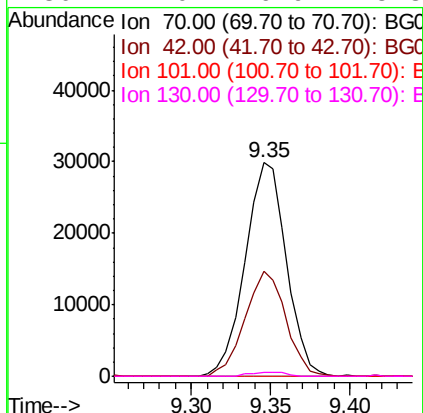
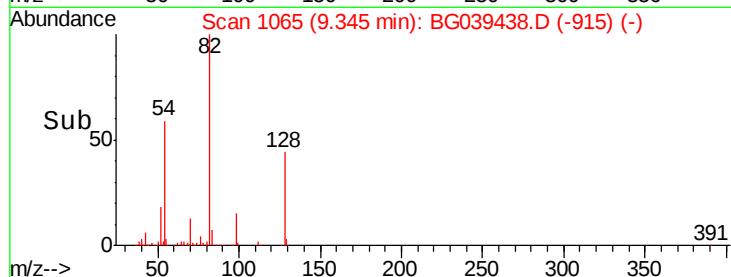
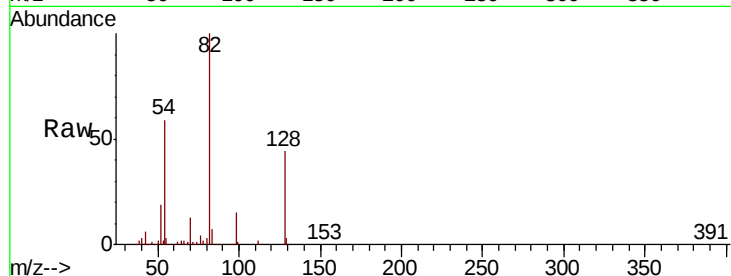




#19
n-Nitroso-di-n-propylamine
Concen: 17.857 ng
RT: 9.35 min Scan# 1065
Delta R.T. 0.35 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

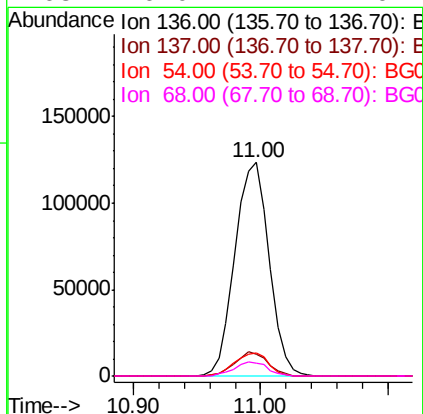
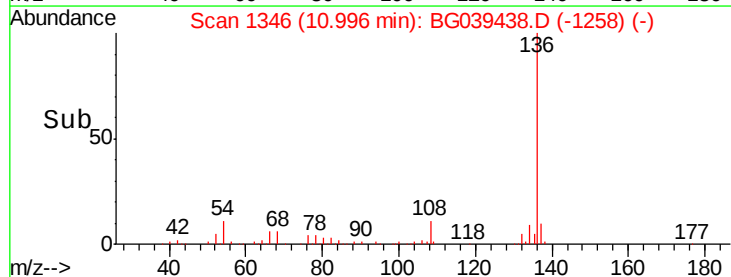
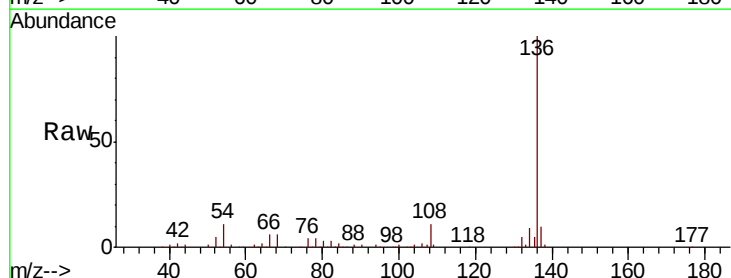
Instrument :
BNA_G
ClientSampleId :
M-9-D

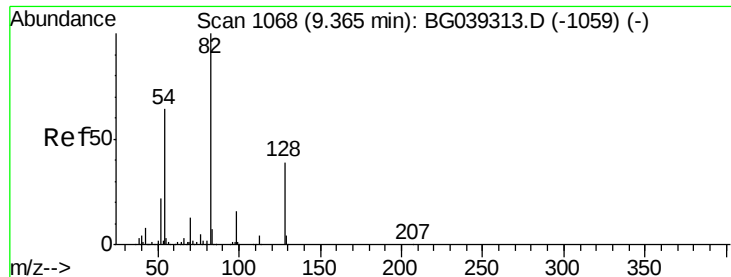
Tgt Ion: 70 Resp: 53832
Ion Ratio Lower Upper
70 100
42 49.1 60.4 90.6#
101 0.0 7.5 11.3#
130 2.0 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

Tgt Ion: 136 Resp: 230493
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 10.7 9.4 14.2
68 6.0 4.2 6.4

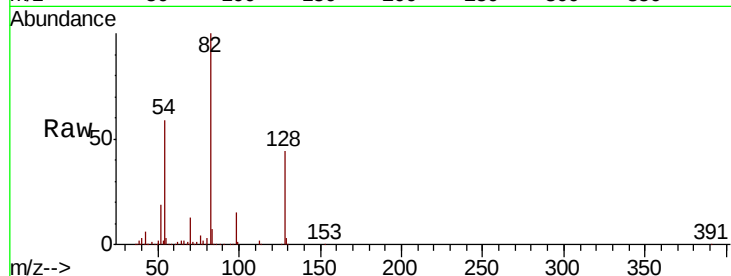




#23
 Nitrobenzene-d5
 Concen: 108.793 ng
 RT: 9.35 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Instrument :
 BNA_G
 ClientSampleId :
 M-9-D

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	31.3	46.9
54	58.8	50.9	76.3

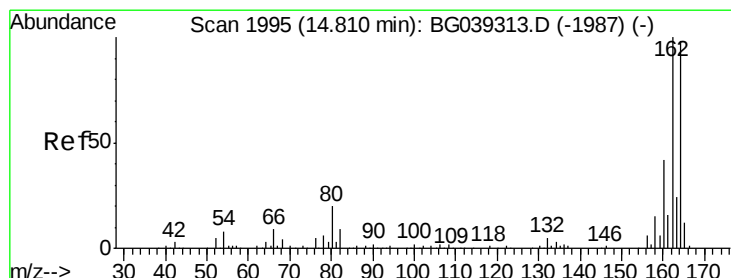
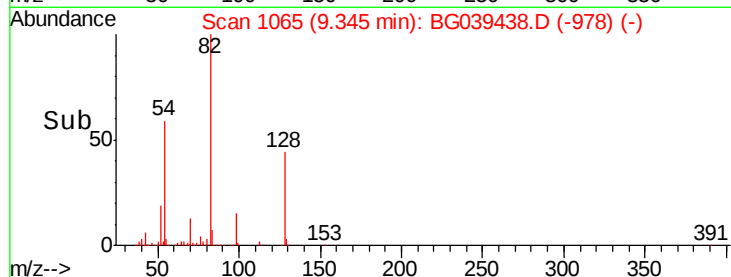
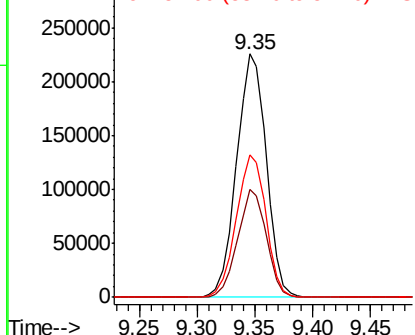


Abundance

Ion 82.00 (81.70 to 82.70): BGC

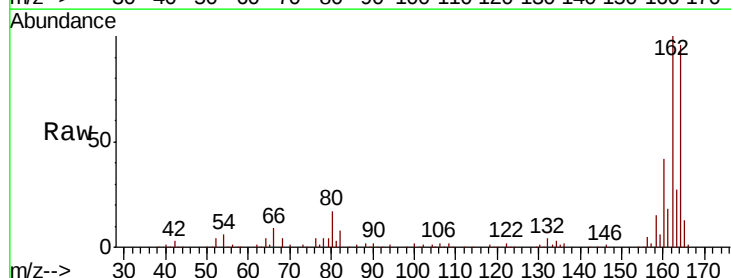
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.6	122.4
160	44.3	34.2	51.2

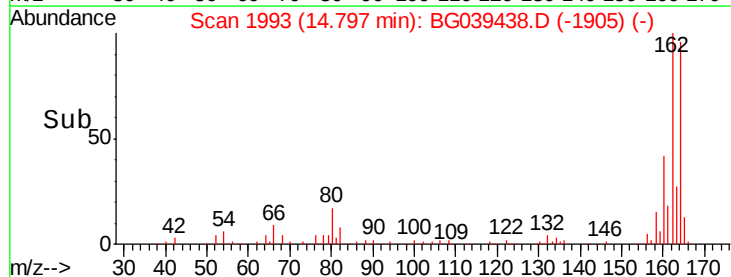
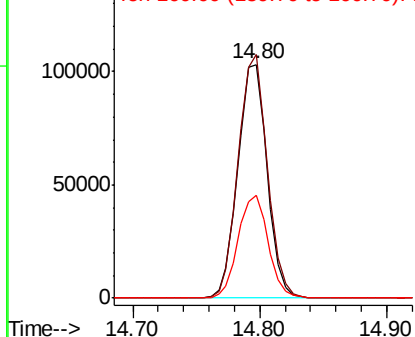


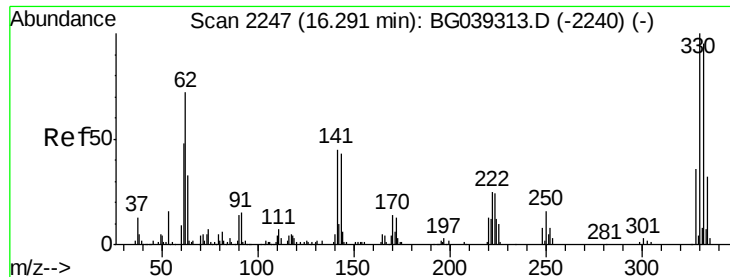
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

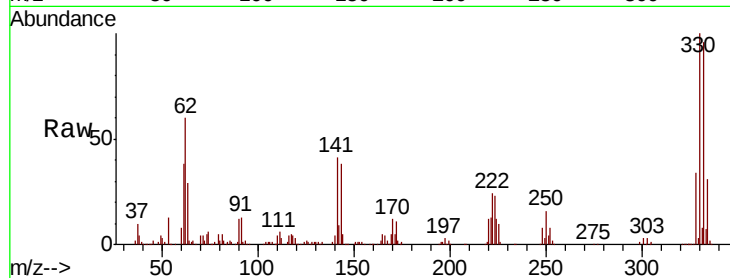




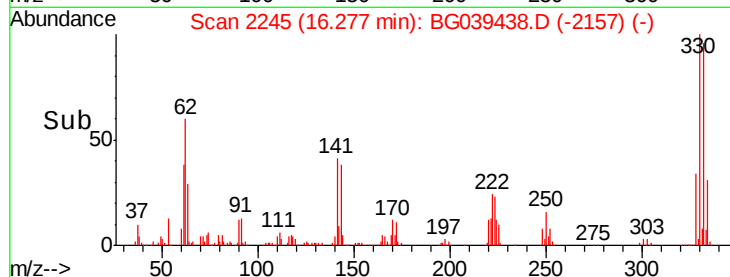
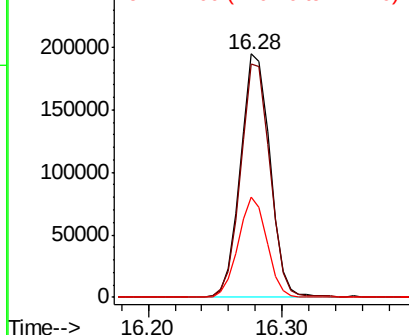
#42
 2,4,6-Tribromophenol
 Concen: 167.536 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Instrument :
 BNA_G
 ClientSampled :
 M-9-D

Tgt Ion:330 Resp: 297660
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.7 113.5
 141 40.0 35.6 53.4

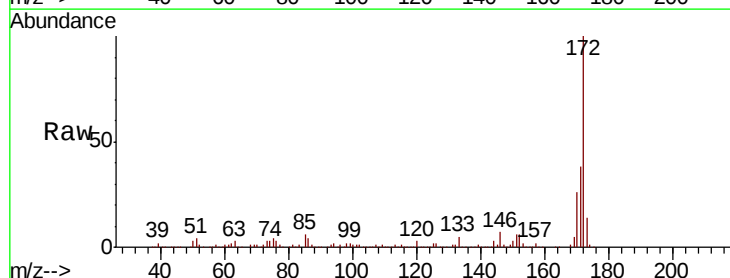


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

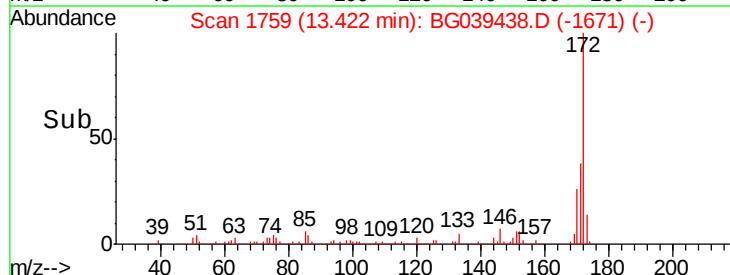
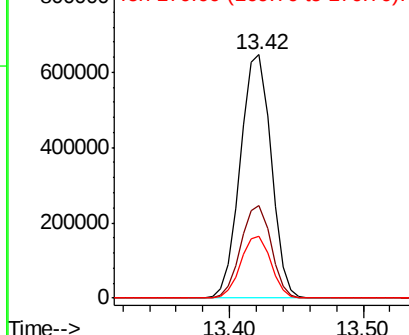


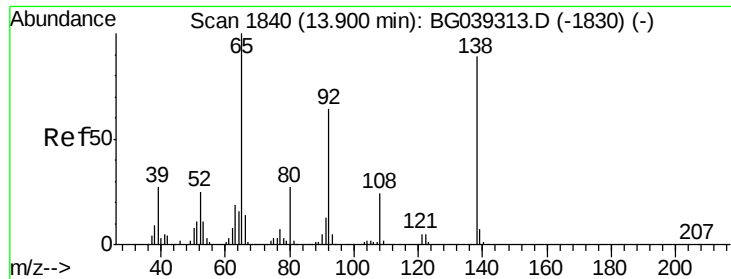
#45
 2-Fluorobiphenyl
 Concen: 89.812 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Tgt Ion:172 Resp: 1032963
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.8 46.2
 170 25.6 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: 8.447 ng

RT: 14.24 min Scan# 1898

Delta R.T. 0.34 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

Instrument :

BNA_G

ClientSampleId :

M-9-D

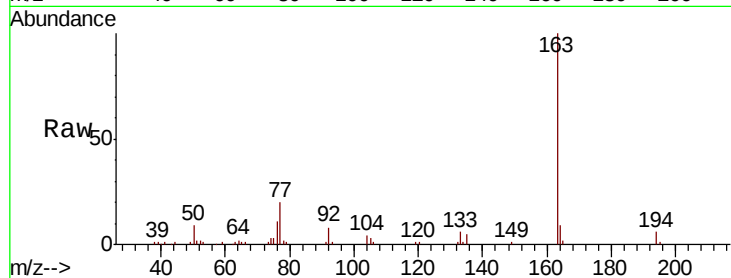
Tgt Ion: 65 Resp: 542

Ion Ratio Lower Upper

65 100

92 587.1 51.4 77.2#

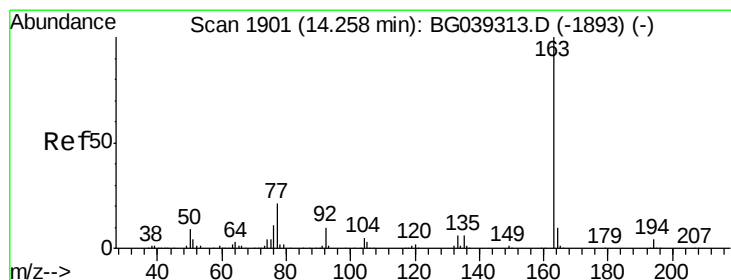
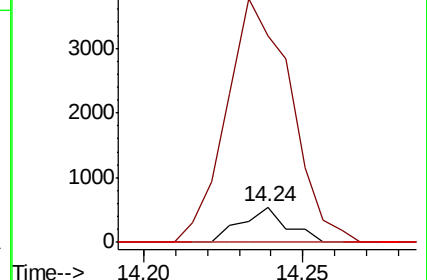
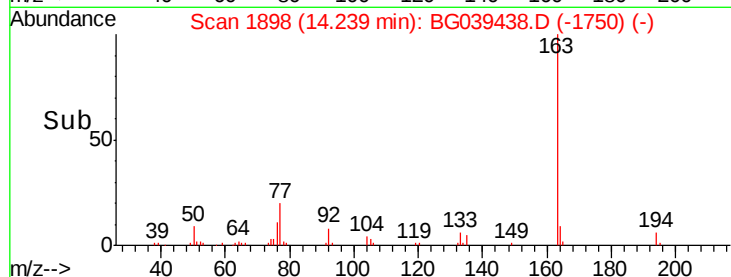
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BG039438.D (-1750) (-)

Ion 92.00 (91.70 to 92.70): BG039438.D (-1750) (-)

Ion 138.00 (137.70 to 138.70): BG039438.D (-1750) (-)



#50

Dimethylphthalate

Concen: 4.517 ng

RT: 14.23 min Scan# 1897

Delta R.T. -0.03 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

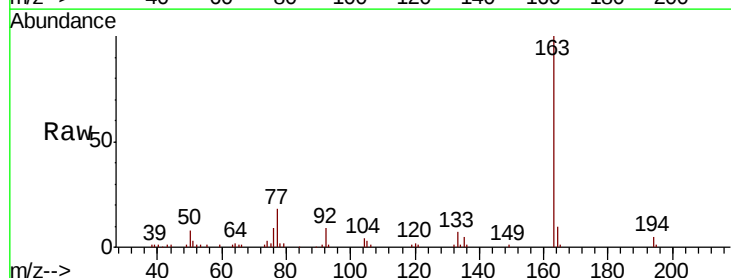
Tgt Ion: 163 Resp: 60195

Ion Ratio Lower Upper

163 100

194 5.2 3.6 5.4

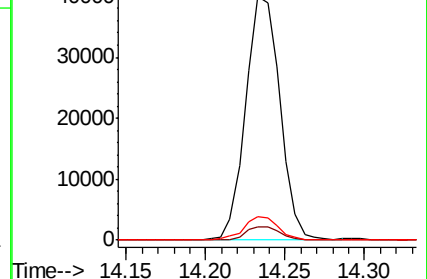
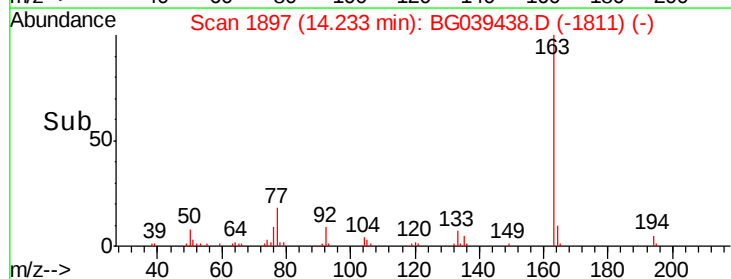
164 9.7 8.4 12.6

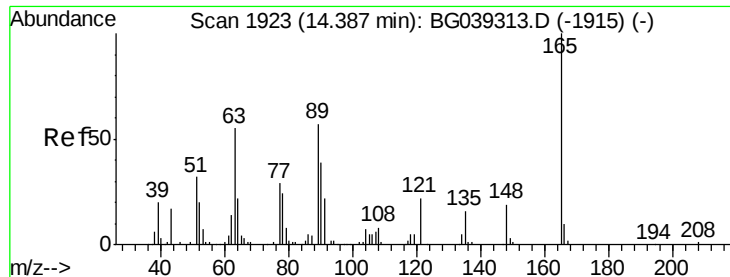


Abundance Ion 163.00 (162.70 to 163.70): BG039438.D (-1811) (-)

Ion 194.00 (193.70 to 194.70): BG039438.D (-1811) (-)

Ion 164.00 (163.70 to 164.70): BG039438.D (-1811) (-)





#51

2,6-Dinitrotoluene

Concen: 6.858 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.15 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

Instrument :

BNA_G

ClientSampleId :

M-9-D

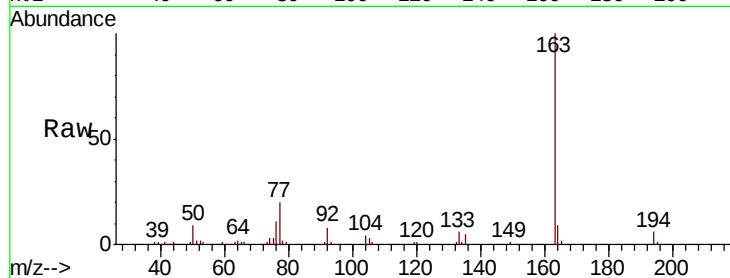
Tgt Ion:165 Resp: 863

Ion Ratio Lower Upper

165 100

63 92.4 47.0 70.6#

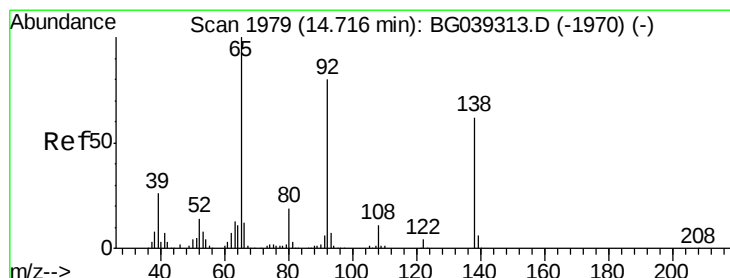
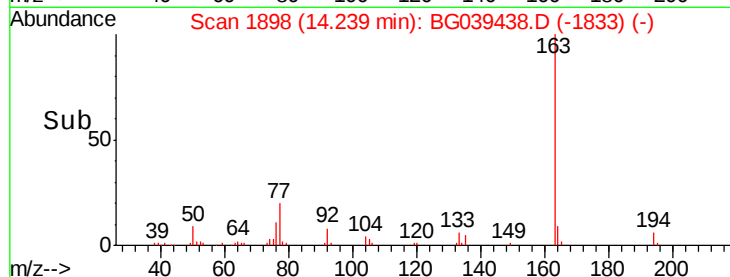
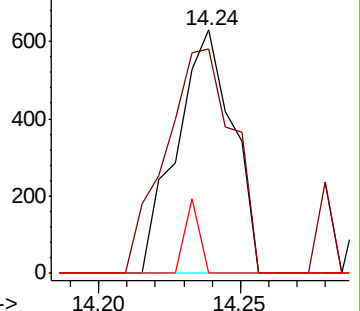
89 0.0 45.8 68.8#



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: 5.812 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.08 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

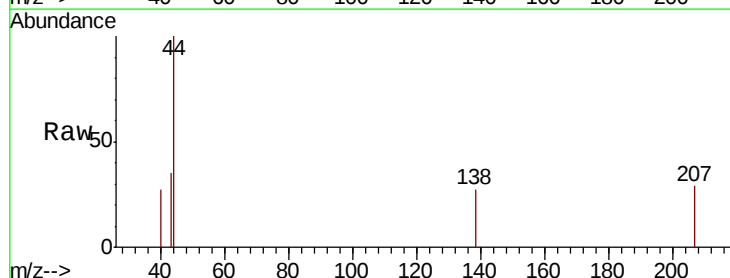
Tgt Ion:138 Resp: 60

Ion Ratio Lower Upper

138 100

108 0.0 13.8 20.8#

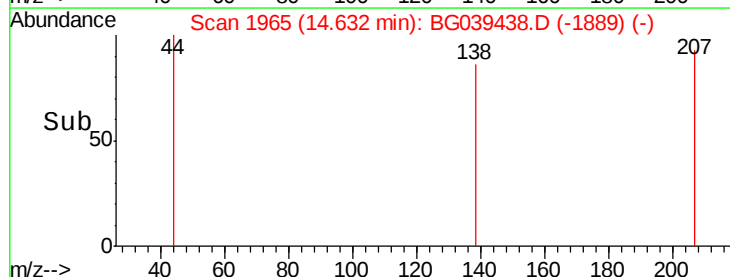
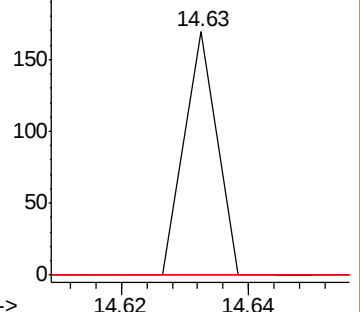
92 0.0 103.7 155.5#

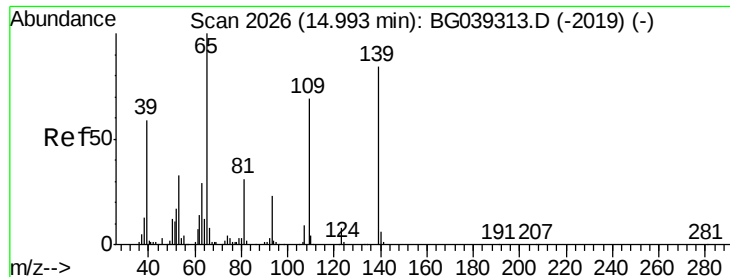


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

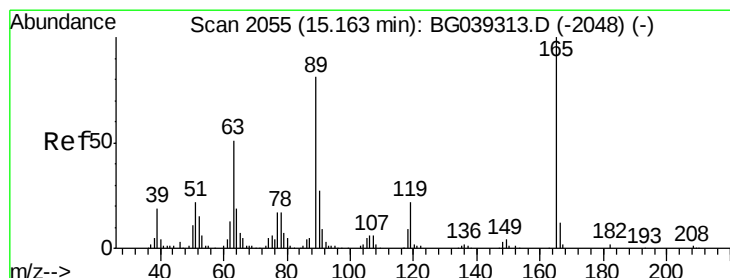
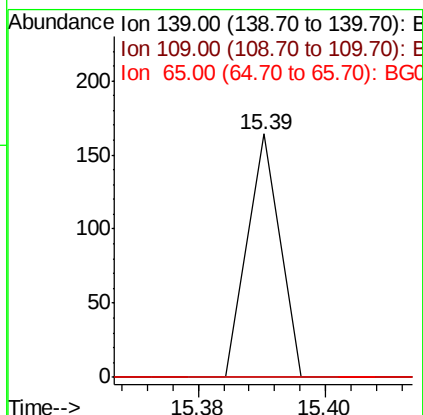
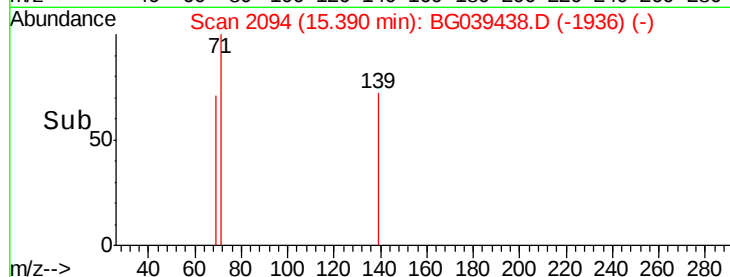
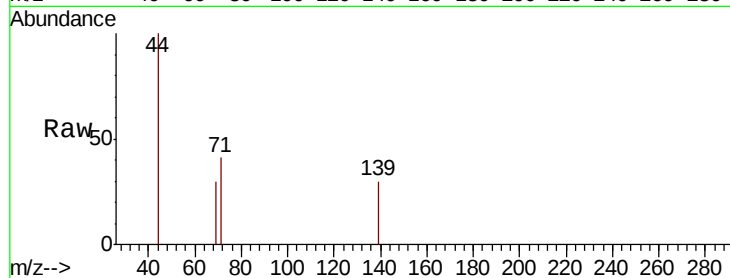




#56
4-Nitrophenol
Concen: 5.816 ng
RT: 15.39 min Scan# 2094
Delta R.T. 0.40 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

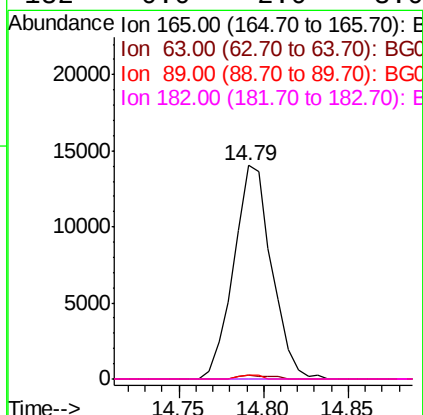
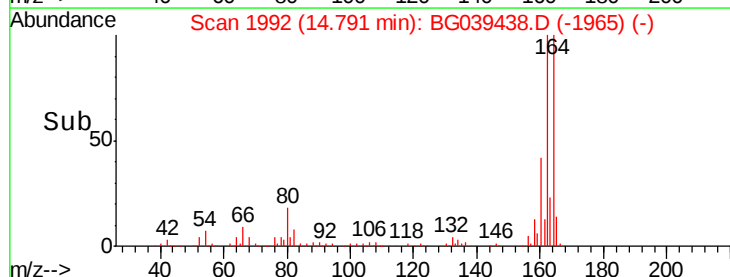
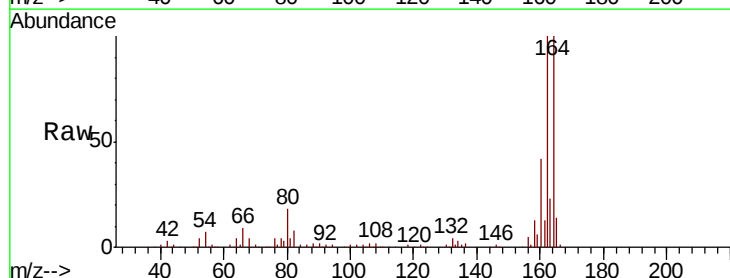
Instrument :
BNA_G
ClientSampleId :
M-9-D

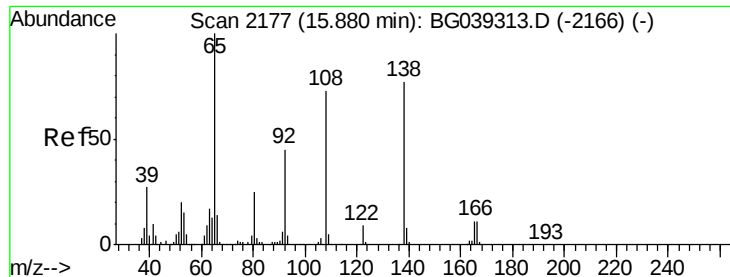
Tgt Ion:139 Resp: 58
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.586 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.37 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

Tgt Ion:165 Resp: 21959
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.6#
89 1.8 64.6 96.8#
182 0.0 2.0 3.0#





#62

4-Nitroaniline

Concen: 4.222 ng

RT: 16.14 min Scan# 2221

Delta R.T. 0.26 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

Instrument :

BNA_G

ClientSampleId :

M-9-D

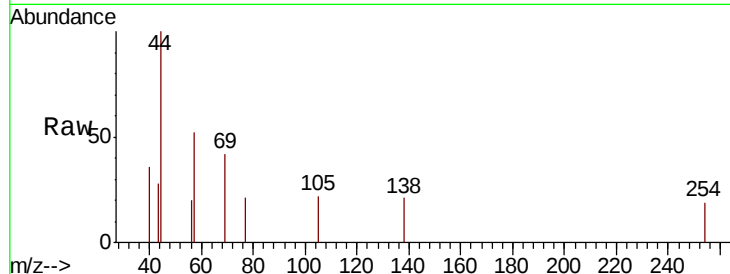
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

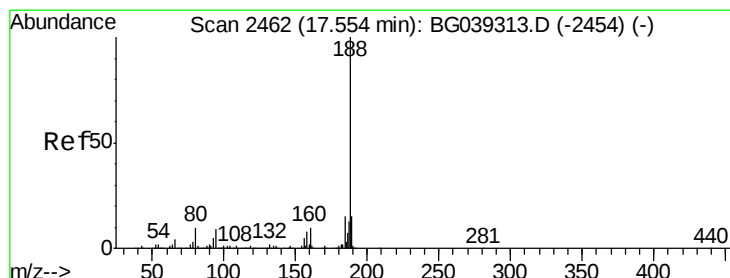
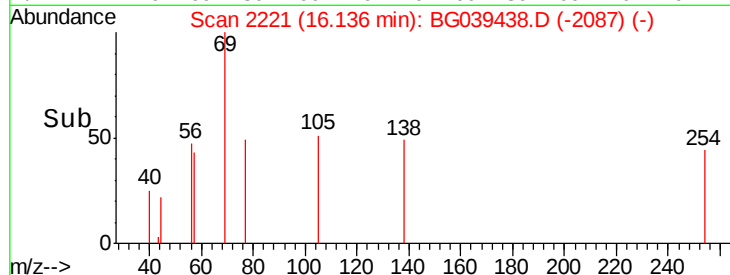
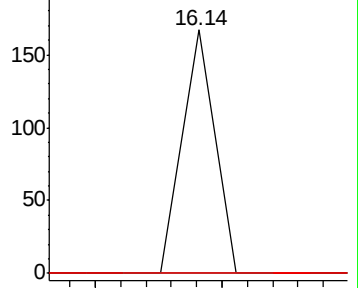
108 0.0 74.6 114.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

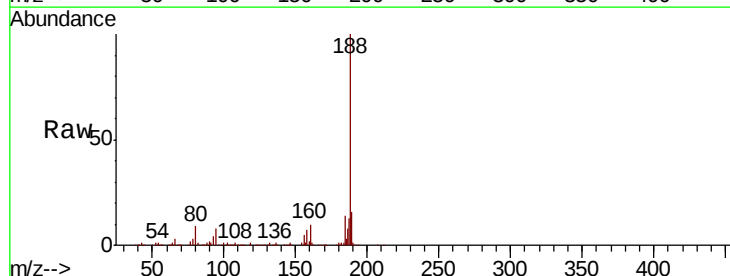
Tgt Ion:188 Resp: 403891

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

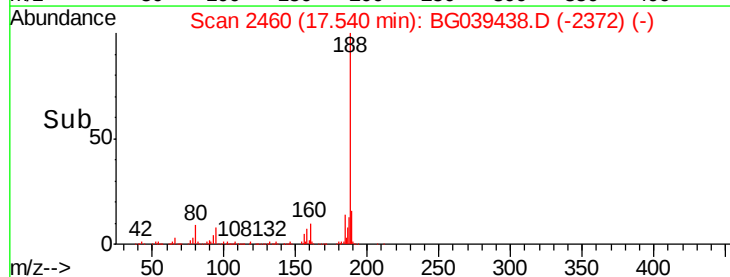
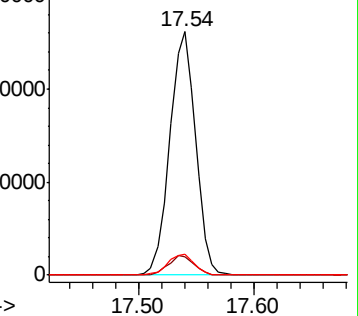
80 8.6 8.1 12.1

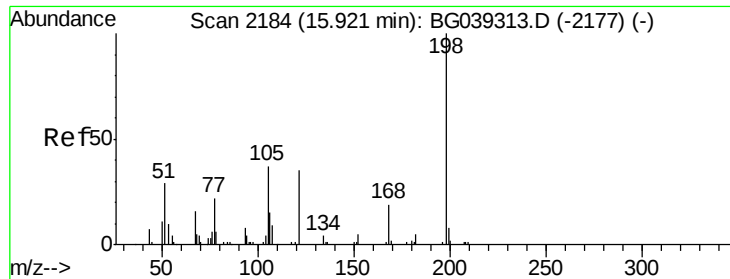


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

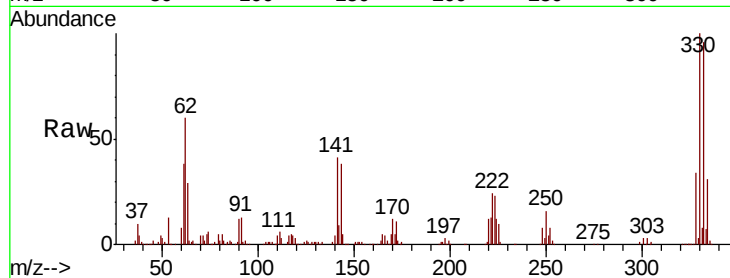




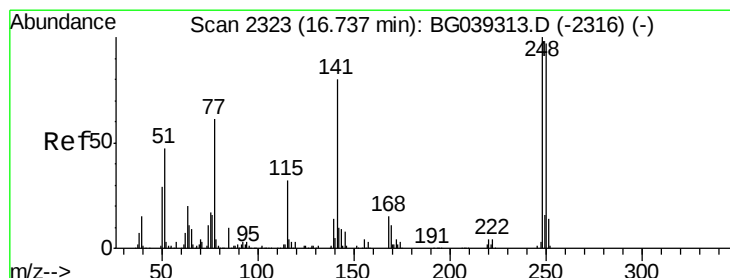
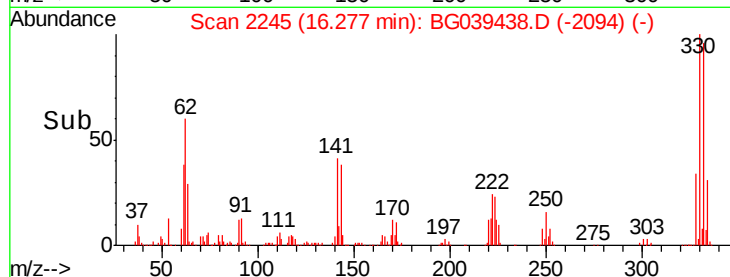
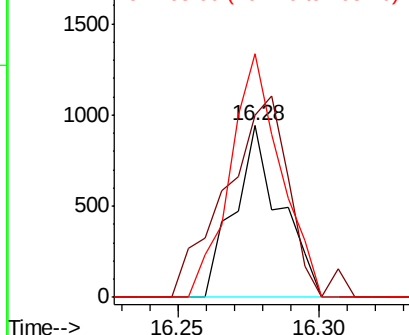
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.024 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Instrument :
 BNA_G
 ClientSampleId :
 M-9-D

Tgt Ion:198 Resp: 1070
 Ion Ratio Lower Upper
 198 100
 51 106.1 27.4 67.4#
 105 141.8 19.7 59.7#

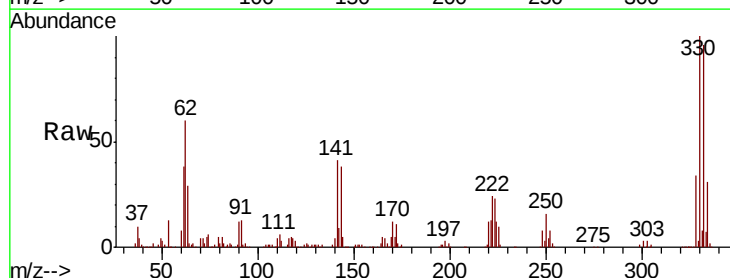


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

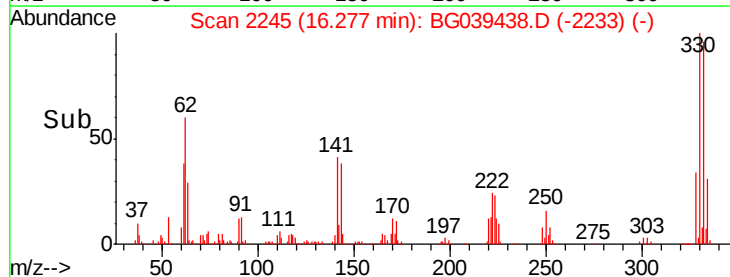
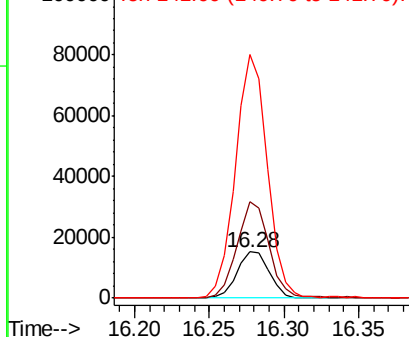


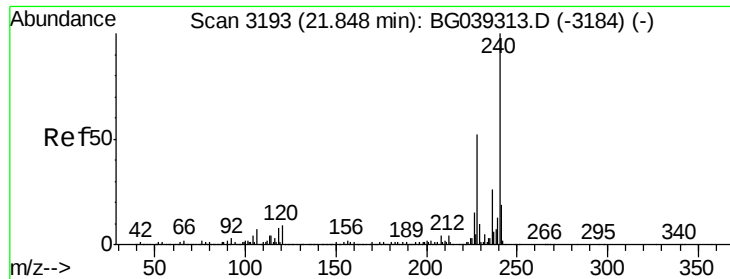
#67
 4-Bromophenyl-phenylether
 Concen: 5.191 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039438.D
 Acq: 11 Feb 2019 17:33

Tgt Ion:248 Resp: 23258
 Ion Ratio Lower Upper
 248 100
 250 209.2 77.6 116.4#
 141 526.4 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

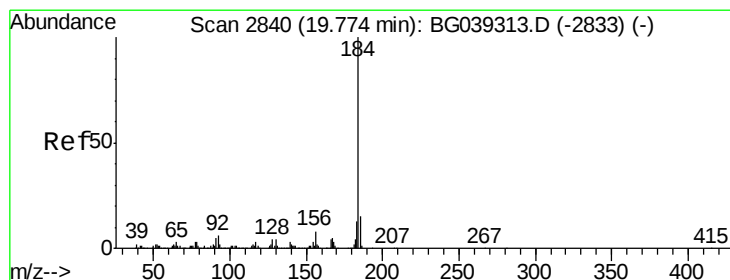
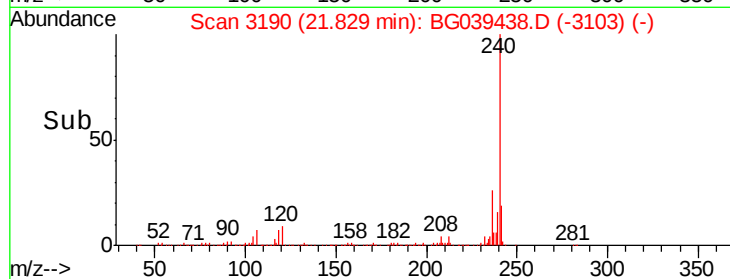
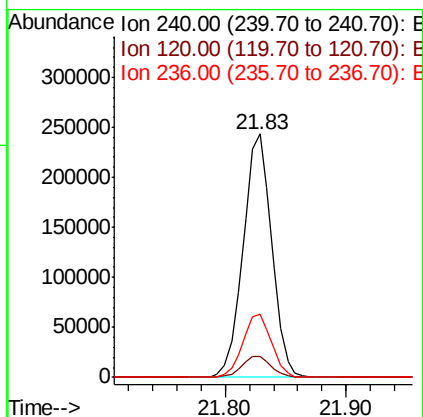
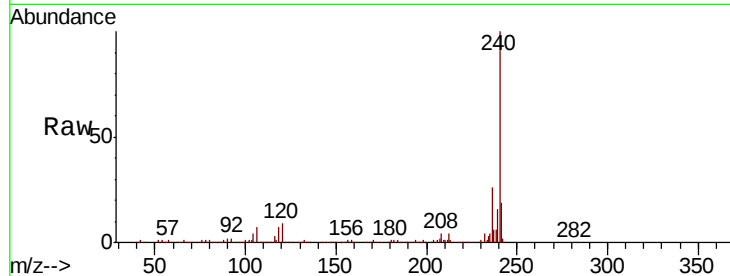




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

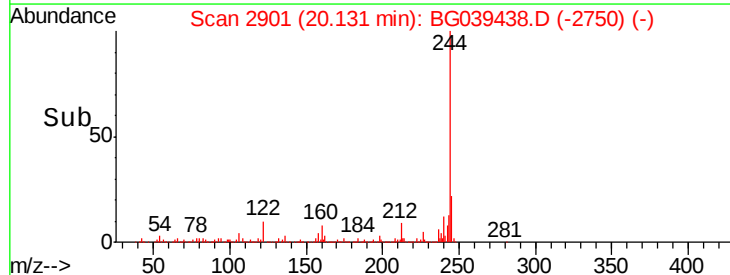
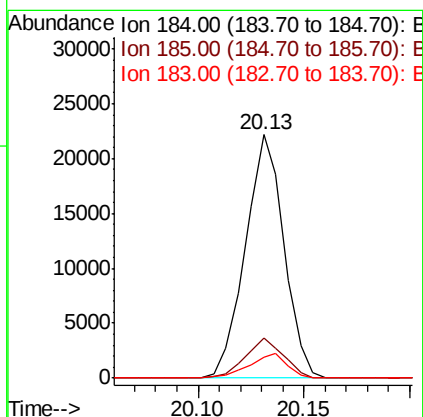
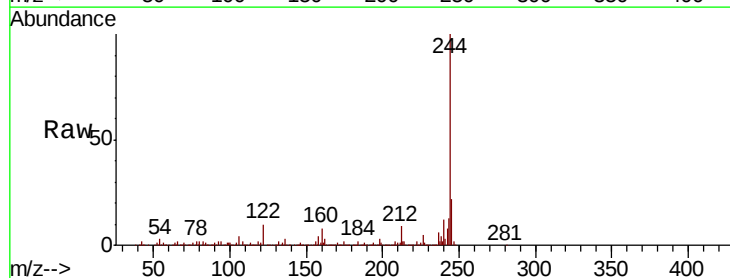
Instrument :
BNA_G
ClientSampleId :
M-9-D

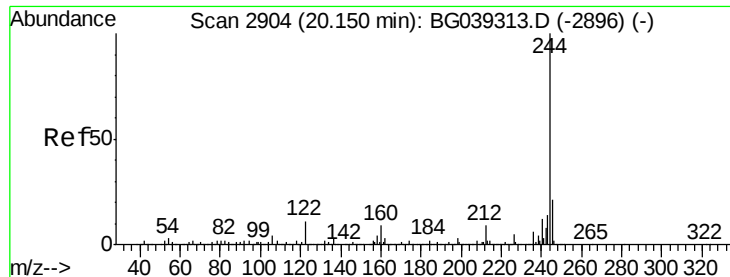
Tgt Ion:240 Resp: 402462
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 26.0 21.0 31.4



#77
Benzidine
Concen: 2.127 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039438.D
Acq: 11 Feb 2019 17:33

Tgt Ion:184 Resp: 28071
Ion Ratio Lower Upper
184 100
185 16.3 12.2 18.2
183 8.5 10.6 15.8#





#79

Terphenyl-d14

Concen: 80.662 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

Instrument :

BNA_G

ClientSampled :

M-9-D

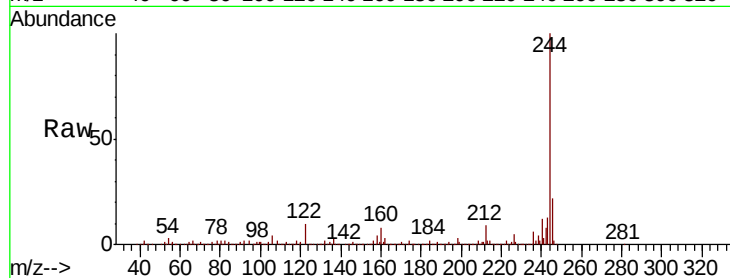
Tgt Ion:244 Resp: 1533697

Ion Ratio Lower Upper

244 100

212 9.5 7.3 10.9

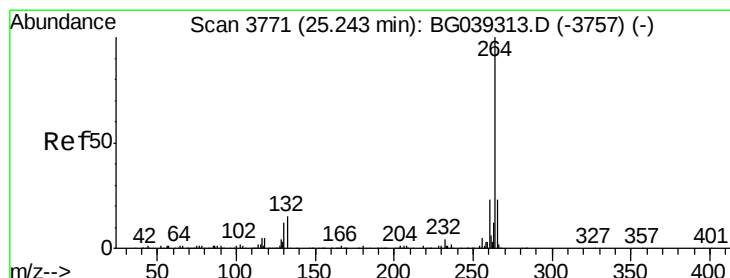
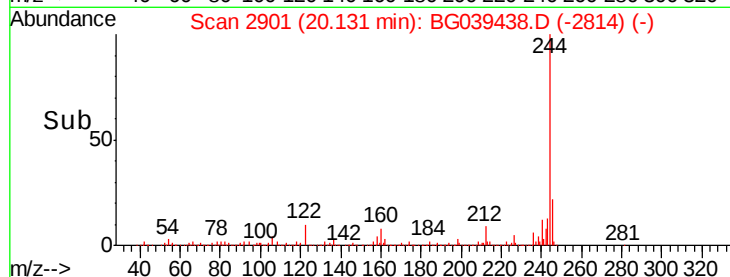
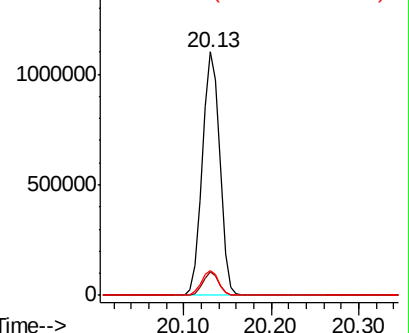
122 10.3 8.4 12.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.21 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039438.D

Acq: 11 Feb 2019 17:33

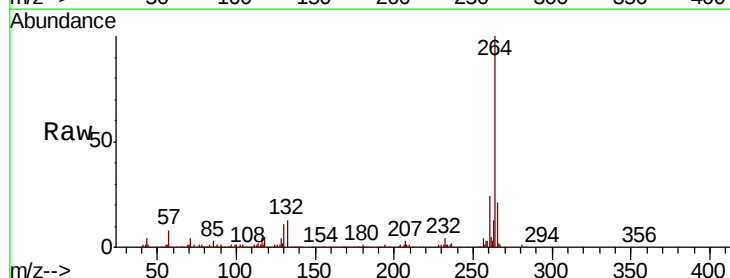
Tgt Ion:264 Resp: 409736

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.3 18.5 27.7



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

