

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039658.D
 Acq On : 28 Feb 2019 7:10
 Operator : JU/SJ
 Sample : K1610-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WV-A

Quant Time: Feb 28 08:01:38 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

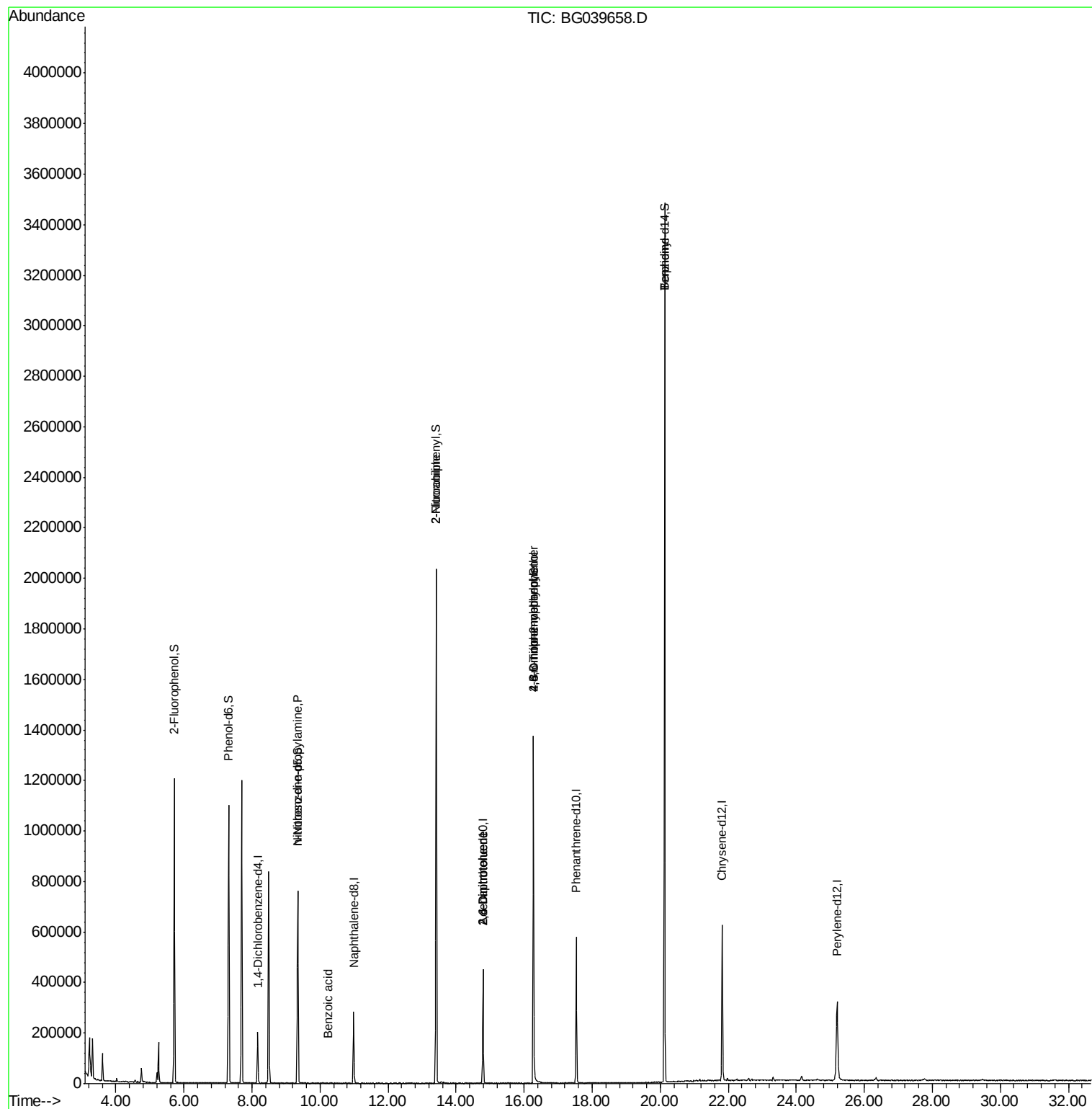
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	58172	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	240301	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	151535	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	361010	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	394480	20.00	ng	-0.03
87) Perylene-d12	25.20	264	390618	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	497657	146.42	ng	0.00
7) Phenol-d6	7.32	99	653811	130.68	ng	0.00
23) Nitrobenzene-d5	9.34	82	450854	117.21	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	248377	152.21	ng	-0.02
45) 2-Fluorobiphenyl	13.41	172	1052829	99.67	ng	-0.02
79) Terphenyl-d14	20.13	244	1614054	86.61	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1190	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propylamine	9.34	70	61212	17.238 ng	#	69
32) Benzoic acid	10.24	122	54	9.040 ng	#	1
48) 2-Nitroaniline	13.41	65	1511	8.755 ng	#	1
51) 2,6-Dinitrotoluene	14.79	165	19198	13.805 ng	#	23
57) 2,4-Dinitrotoluene	14.79	165	19198	13.309 ng	#	18
65) 4,6-Dinitro-2-methylphenol	16.28	198	858	4.937 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19868	4.961 ng	#	1
77) Benzidine	20.13	184	28893	2.234 ng	#	93

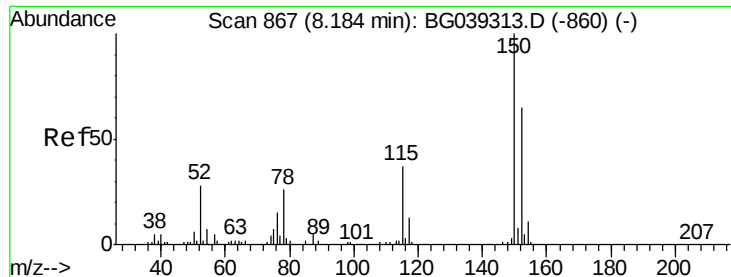
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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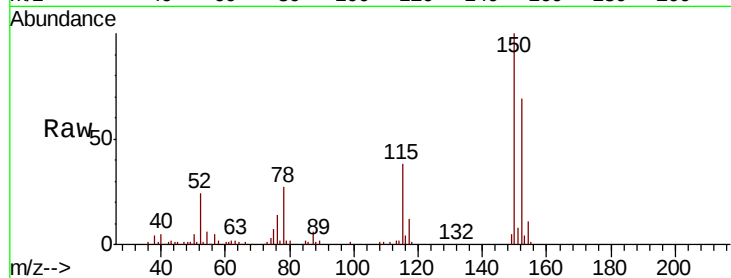


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.02 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

Instrument :
BNA_G
ClientSampleId :
WV-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.0	123.7	185.5
115	54.3	45.9	68.9

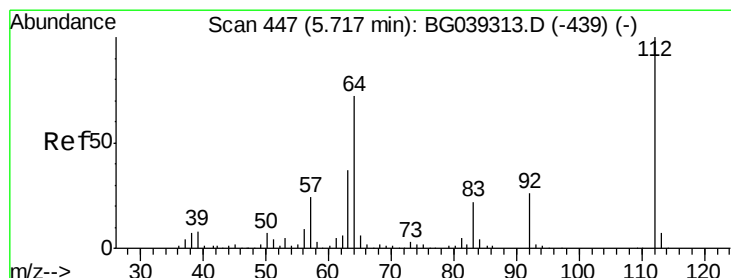
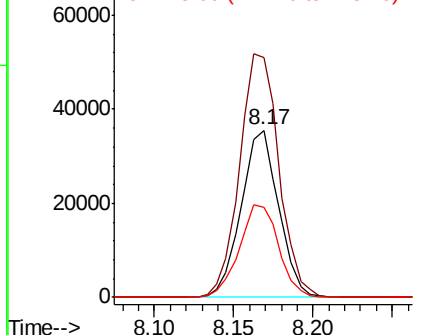
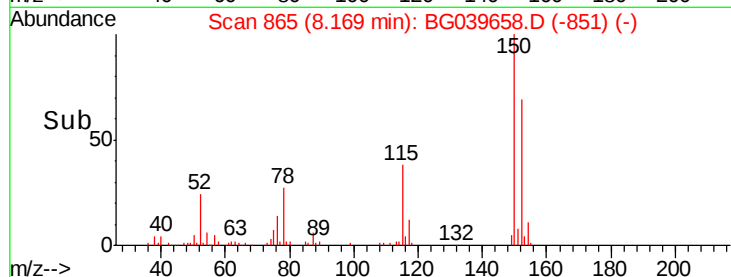


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

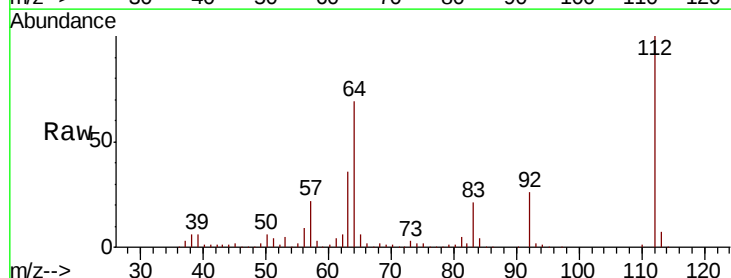
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.418 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	57.8	86.8
63	35.7	29.8	44.6

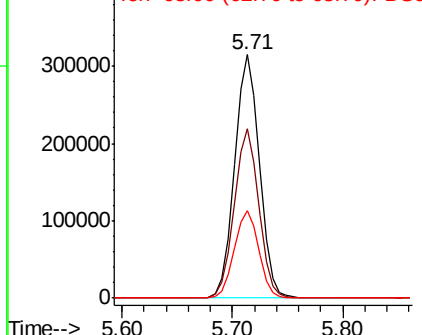
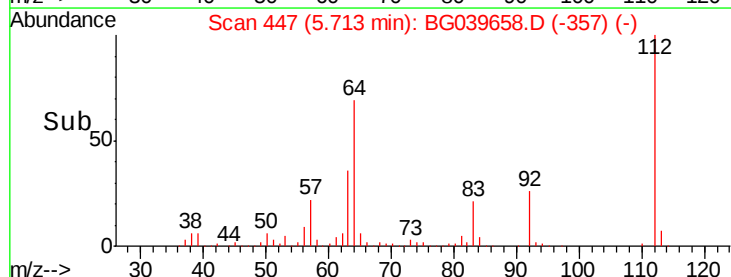


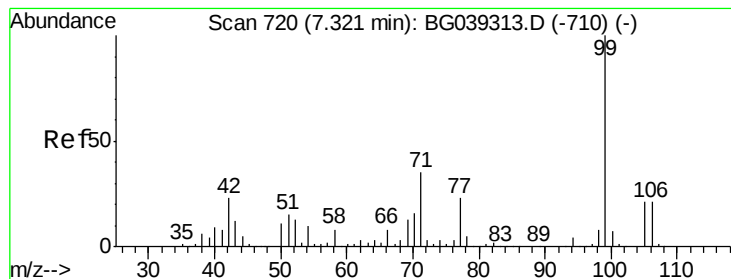
Abundance

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: 130.683 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

Instrument :

BNA_G

ClientSampleId :

WV-A

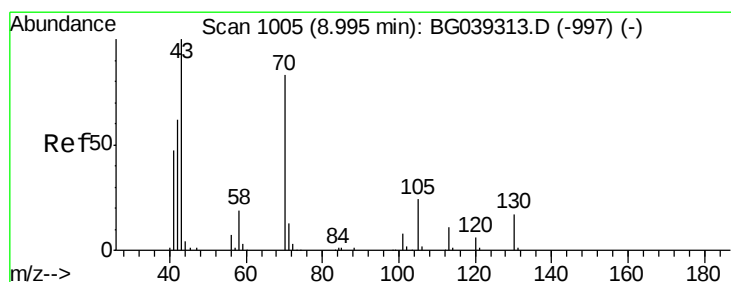
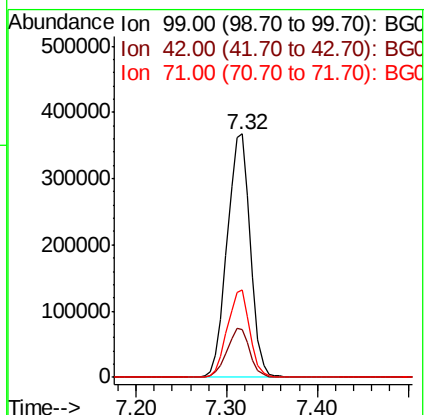
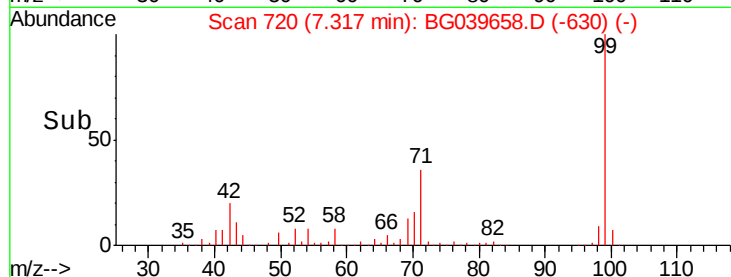
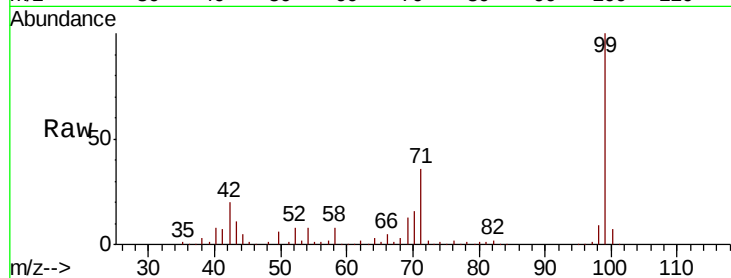
Tgt Ion: 99 Resp: 653811

Ion Ratio Lower Upper

99 100

42 19.6 18.2 27.2

71 35.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 17.238 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

Tgt Ion: 70 Resp: 61212

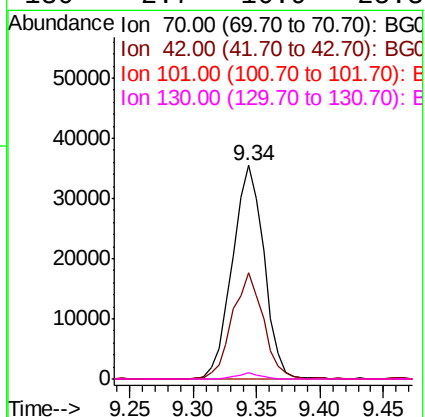
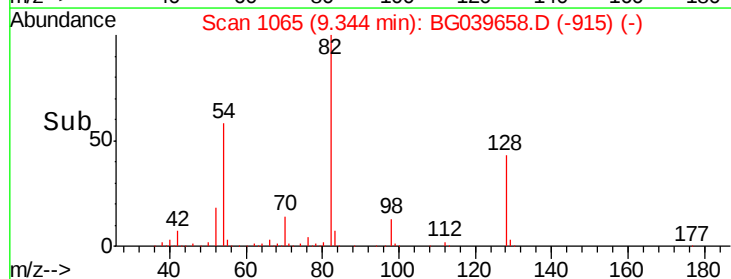
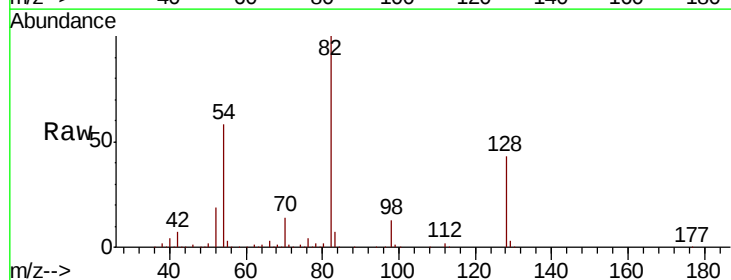
Ion Ratio Lower Upper

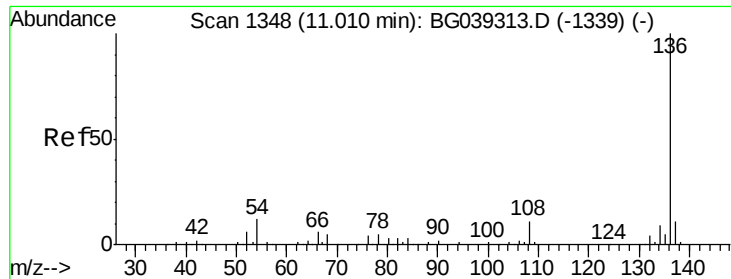
70 100

42 49.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.7 16.9 25.3#

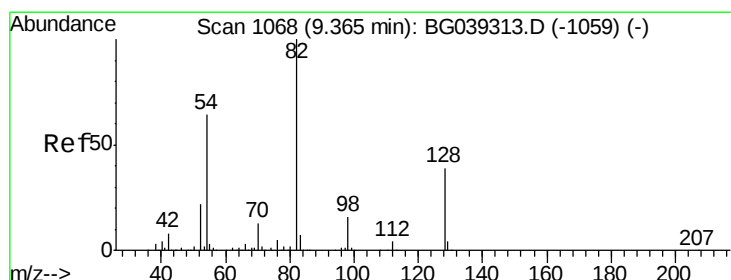
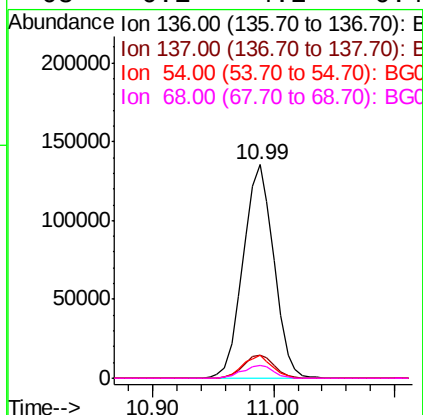
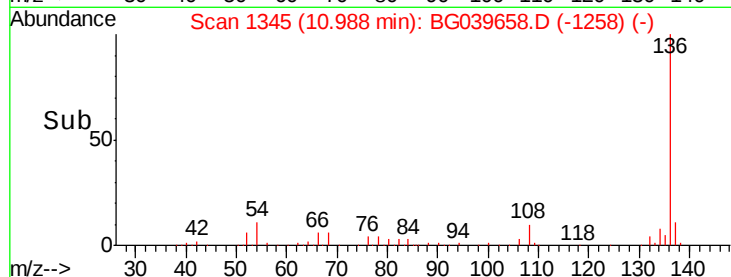
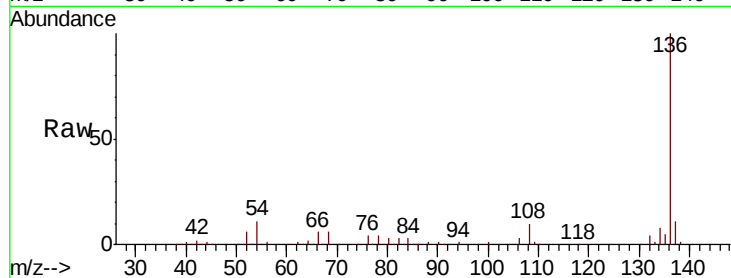




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

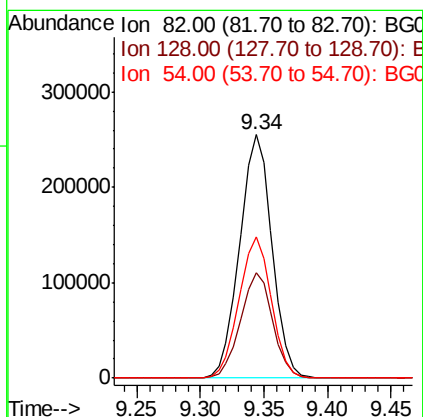
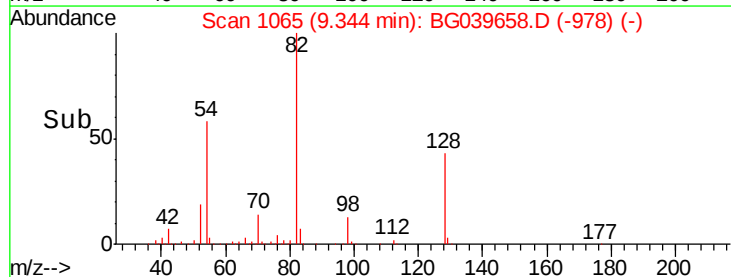
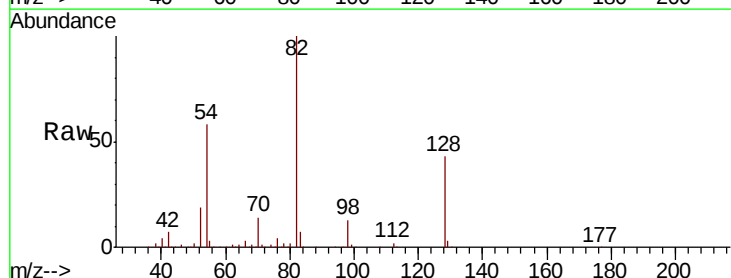
Instrument :
BNA_G
ClientSampleId :
WV-A

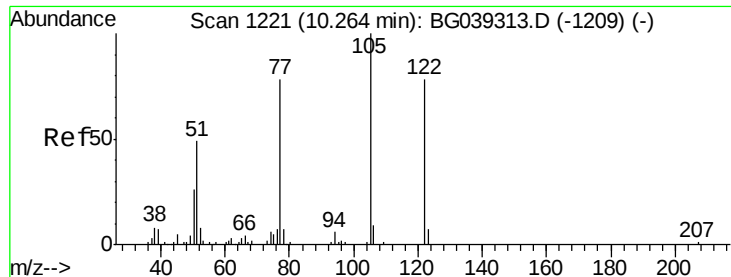
Tgt Ion:	136	Resp:	240301
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.5	9.4	14.2
68	6.1	4.2	6.4



#23
Nitrobenzene-d5
Concen: 117.210 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

Tgt Ion:	82	Resp:	450854
Ion	Ratio	Lower	Upper
82	100		
128	43.5	31.3	46.9
54	58.0	50.9	76.3





#32

Benzoic acid

Concen: 9.040 ng

RT: 10.24 min Scan# 1218

Delta R.T. -0.02 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

Instrument :

BNA_G

ClientSampleId :

WV-A

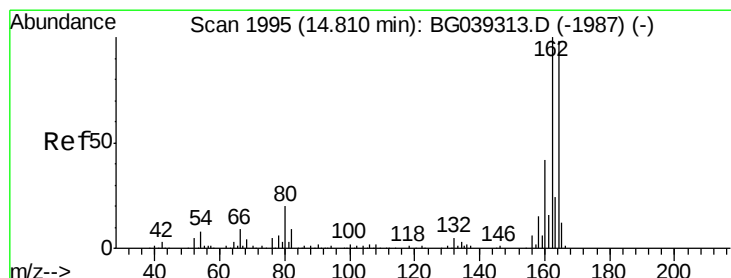
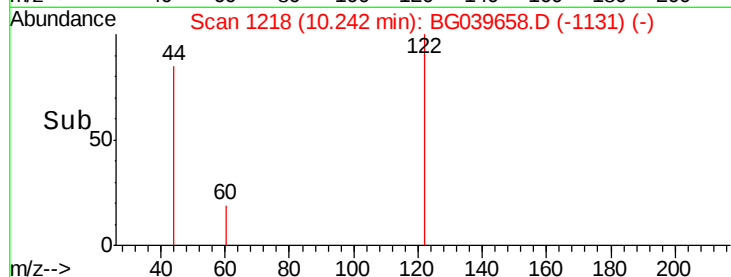
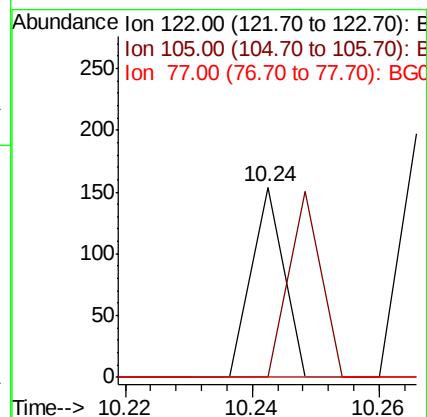
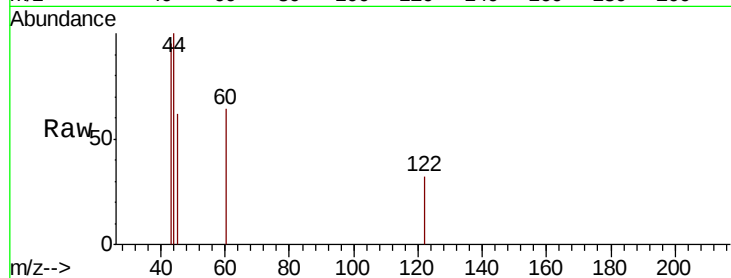
Tgt Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

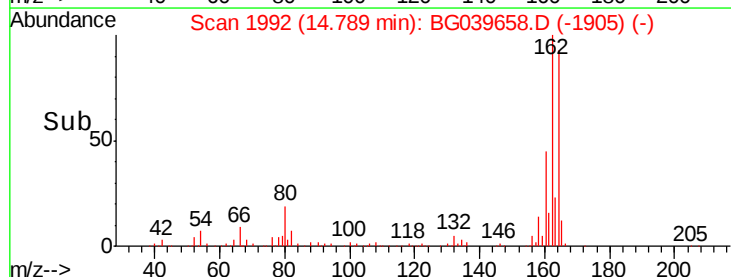
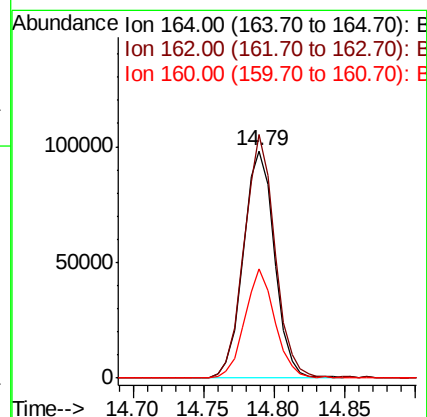
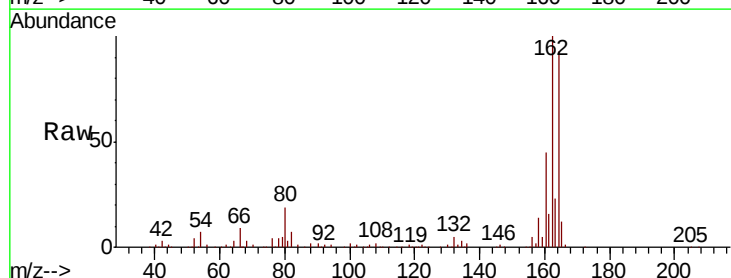
Tgt Ion:164 Resp: 151535

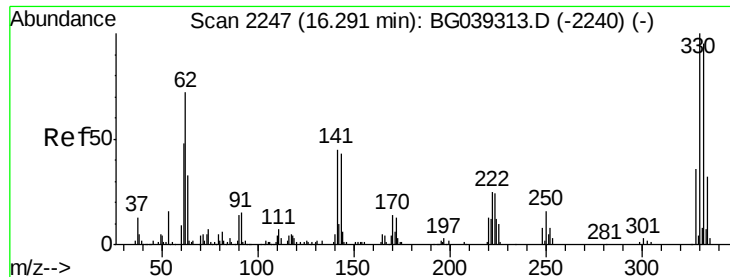
Ion Ratio Lower Upper

164 100

162 107.0 81.6 122.4

160 47.8 34.2 51.2

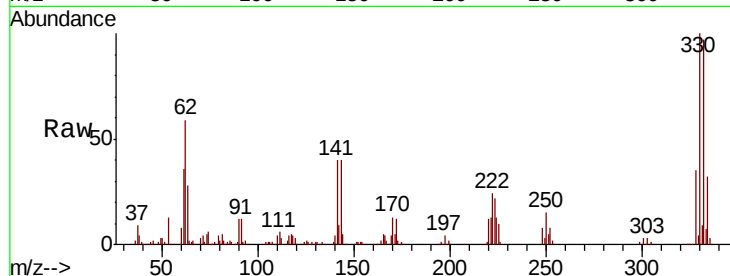




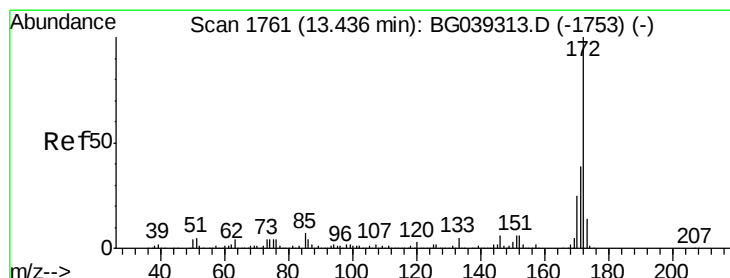
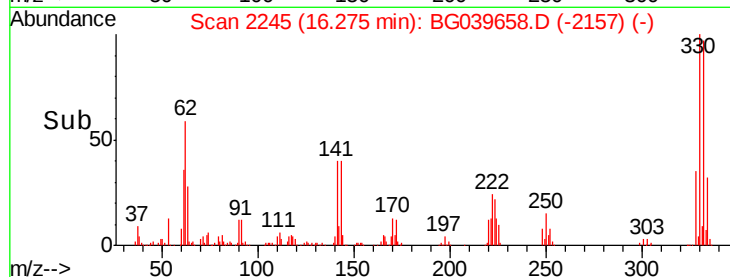
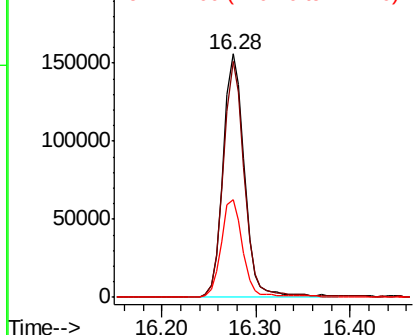
#42
 2,4,6-Tribromophenol
 Concen: 152.213 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Instrument :
 BNA_G
 ClientSampleId :
 WV-A

Tgt Ion:330 Resp: 248377
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.7 113.5
 141 40.8 35.6 53.4

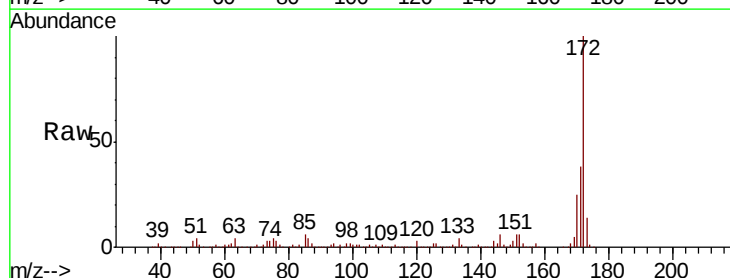


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

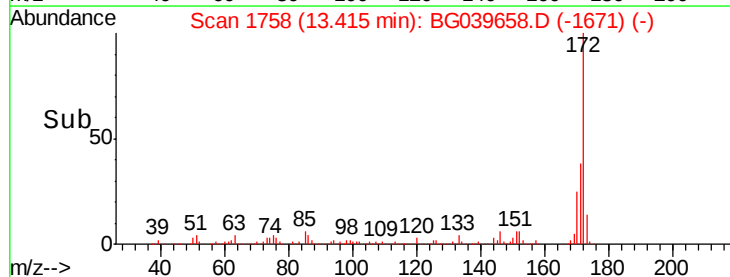
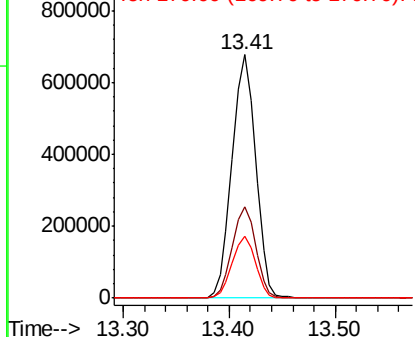


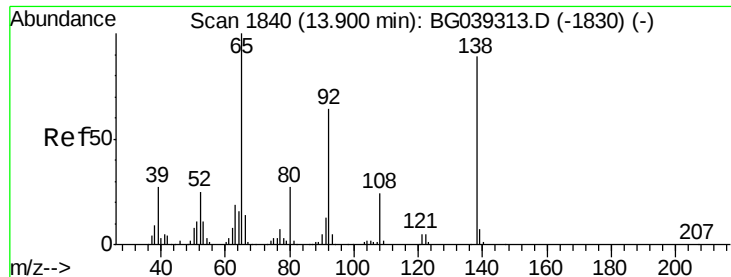
#45
 2-Fluorobiphenyl
 Concen: 99.669 ng
 RT: 13.41 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Tgt Ion:172 Resp: 1052829
 Ion Ratio Lower Upper
 172 100
 171 37.6 30.8 46.2
 170 25.3 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: 8.755 ng

RT: 13.41 min Scan# 1758

Delta R.T. -0.48 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

Instrument :

BNA_G

ClientSampleId :

WV-A

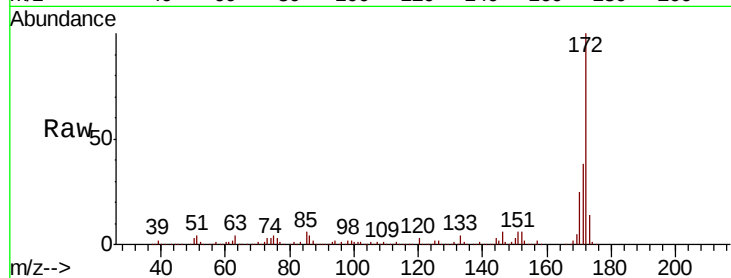
Tgt Ion: 65 Resp: 1511

Ion Ratio Lower Upper

65 100

92 269.0 51.4 77.2#

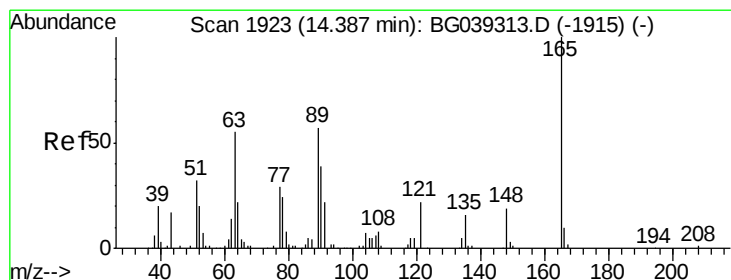
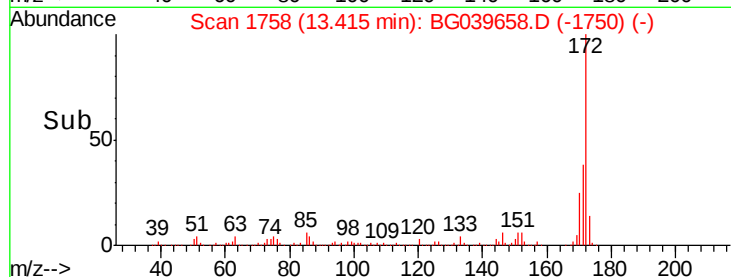
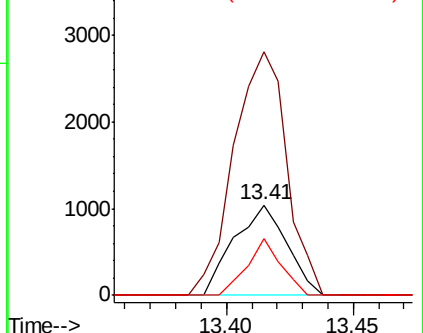
138 62.1 71.4 107.2#



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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.805 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

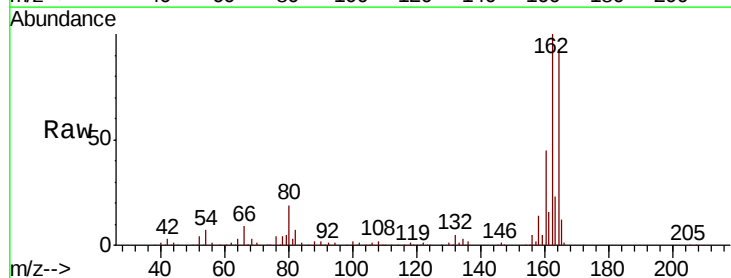
Tgt Ion: 165 Resp: 19198

Ion Ratio Lower Upper

165 100

63 2.3 47.0 70.6#

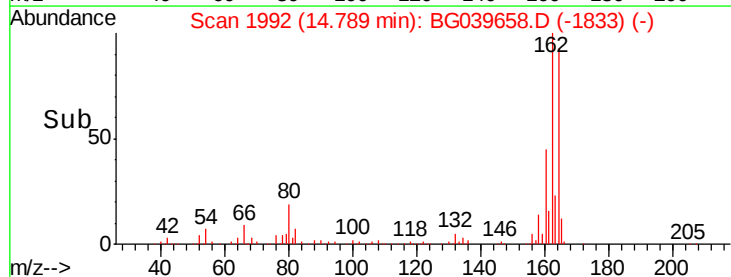
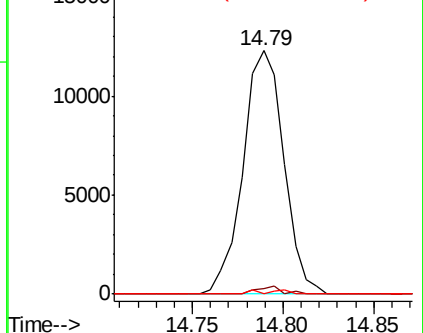
89 0.0 45.8 68.8#

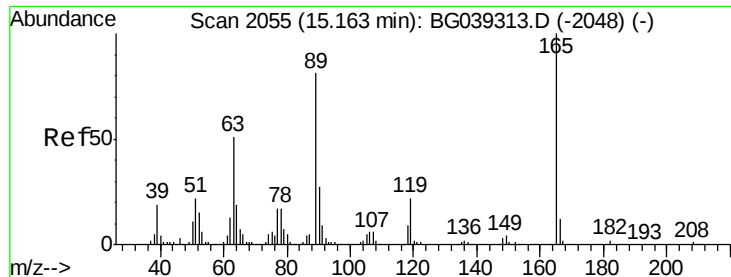


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

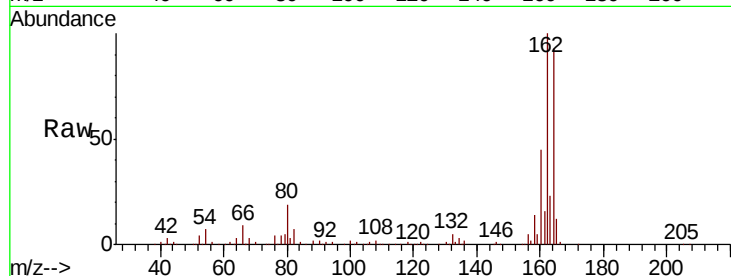




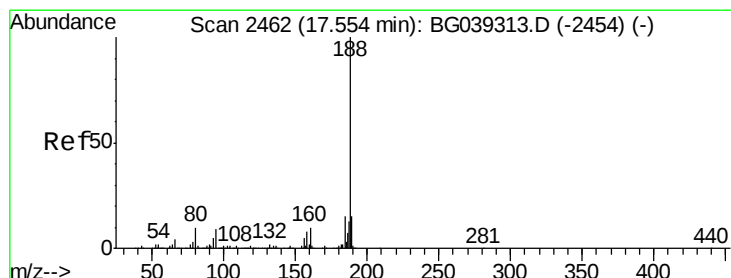
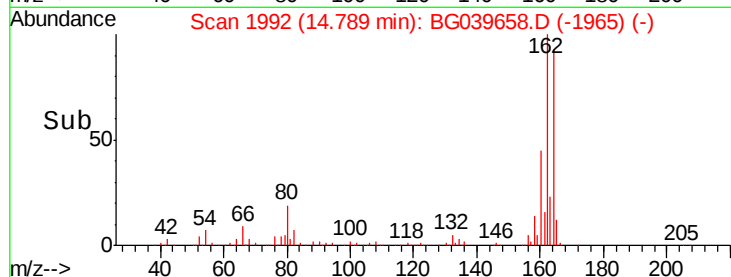
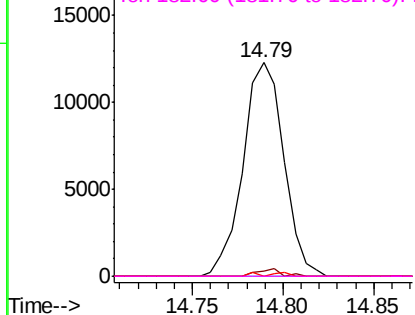
#57
 2,4-Dinitrotoluene
 Concen: 13.309 ng
 RT: 14.79 min Scan# 1992
 Delta R.T. -0.37 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Instrument :
 BNA_G
 ClientSampleId :
 WV-A

Tgt Ion:	165	Resp:	19198
Ion	Ratio	Lower	Upper
165	100		
63	2.3	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#

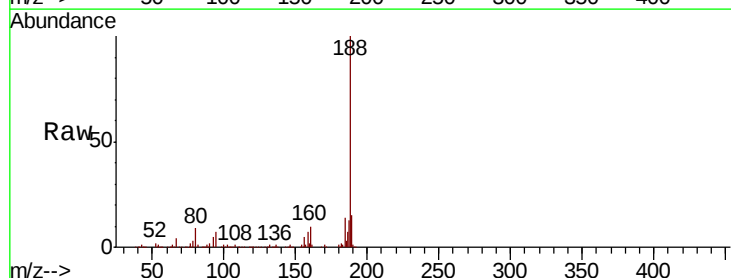


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

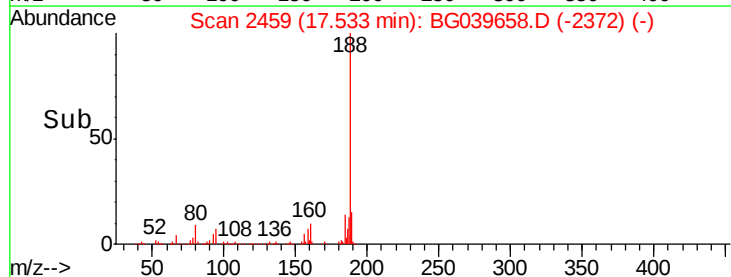
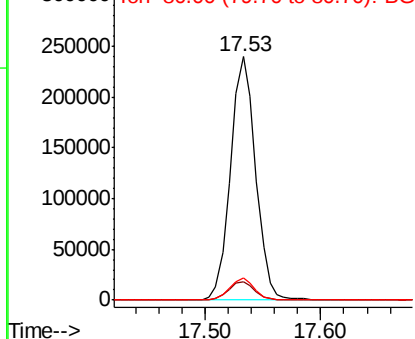


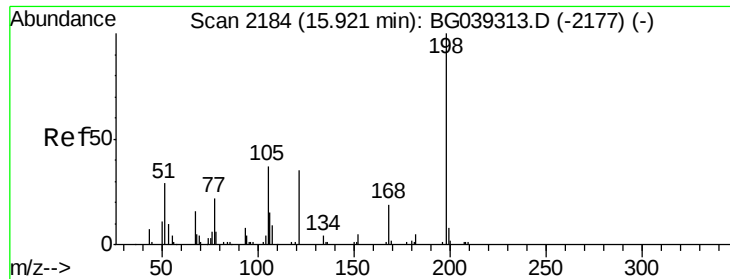
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2459
 Delta R.T. -0.02 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Tgt Ion:	188	Resp:	361010
Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.9	10.3
80	9.2	8.1	12.1



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

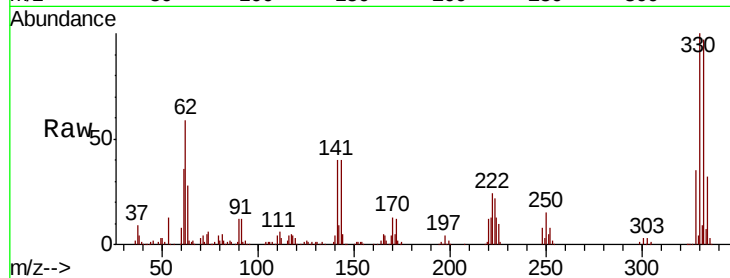




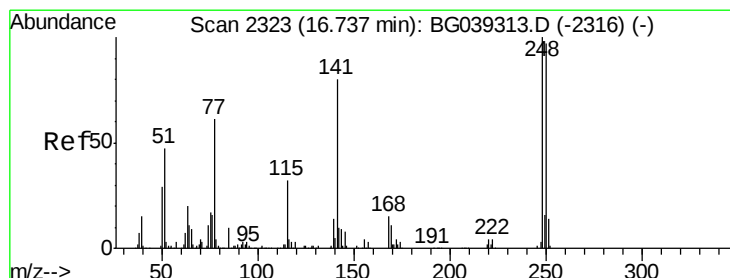
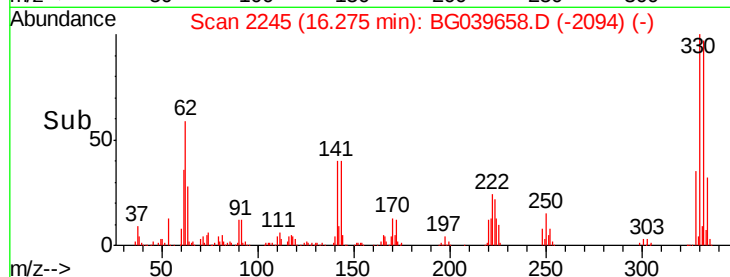
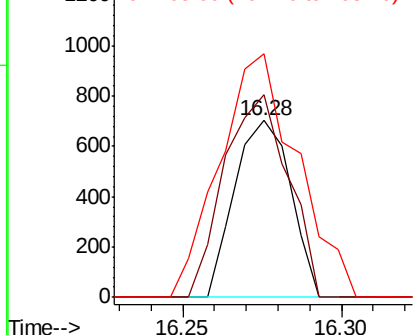
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.937 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. 0.36 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Instrument :
 BNA_G
 ClientSampleId :
 WV-A

Tgt Ion:198 Resp: 858
 Ion Ratio Lower Upper
 198 100
 51 114.5 27.4 67.4#
 105 137.9 19.7 59.7#

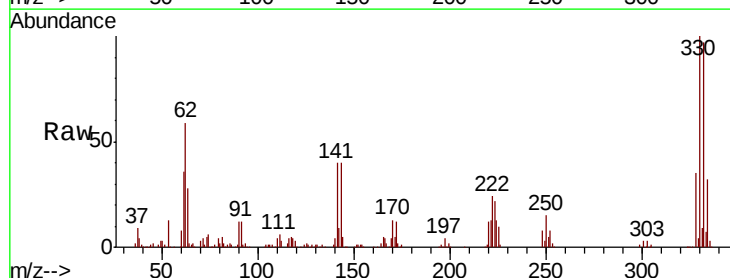


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

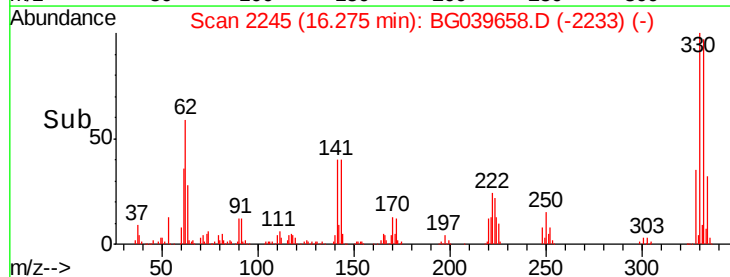
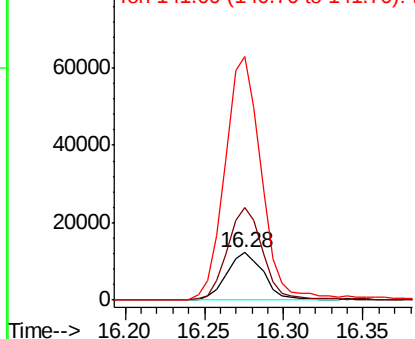


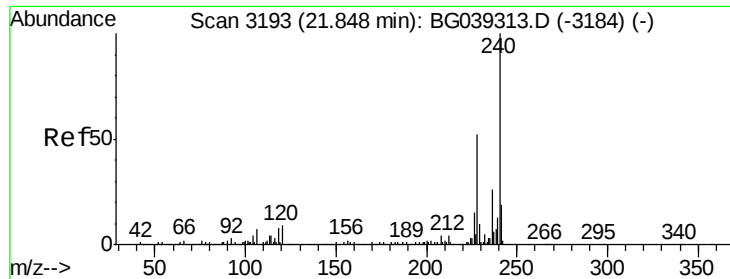
#67
 4-Bromophenyl-phenylether
 Concen: 4.961 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039658.D
 Acq: 28 Feb 2019 7:10

Tgt Ion:248 Resp: 19868
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.6 116.4#
 141 510.3 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

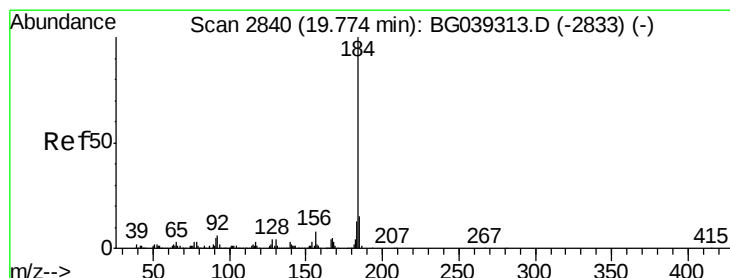
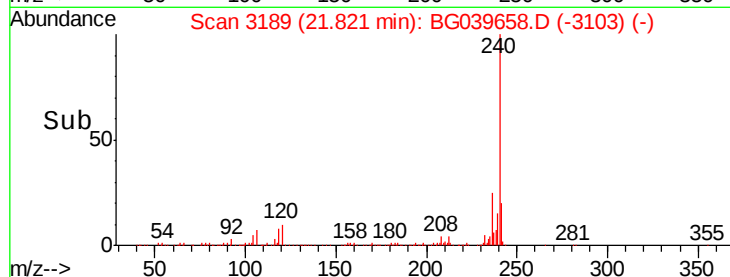
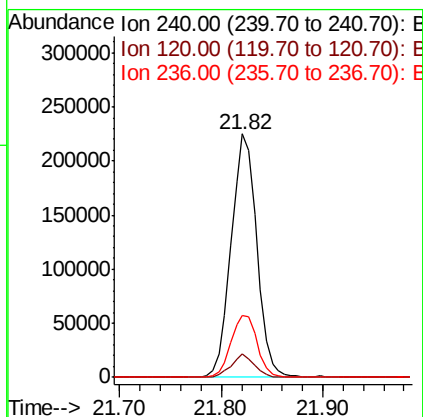
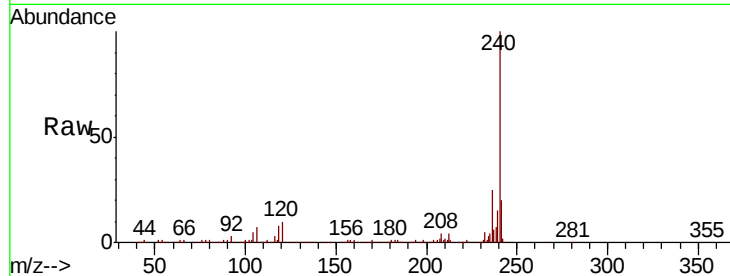




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

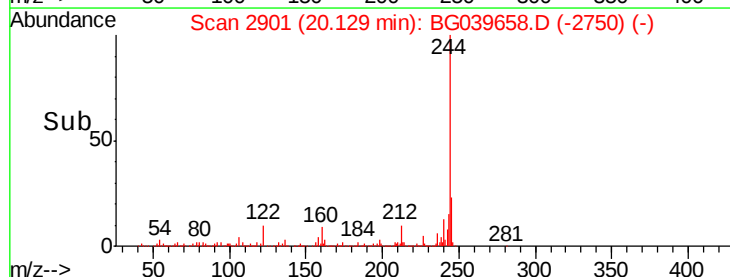
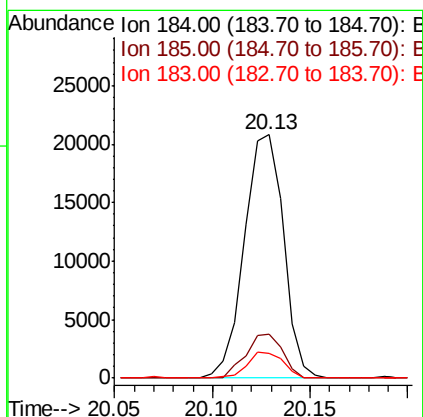
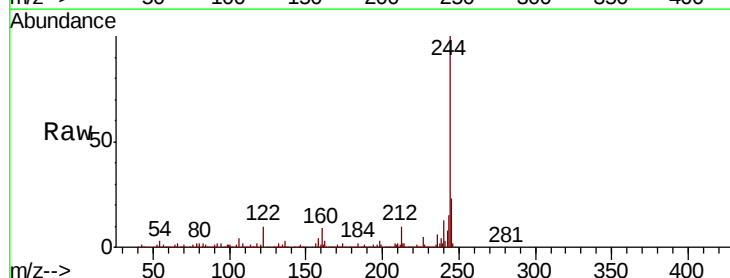
Instrument :
BNA_G
ClientSampleId :
WV-A

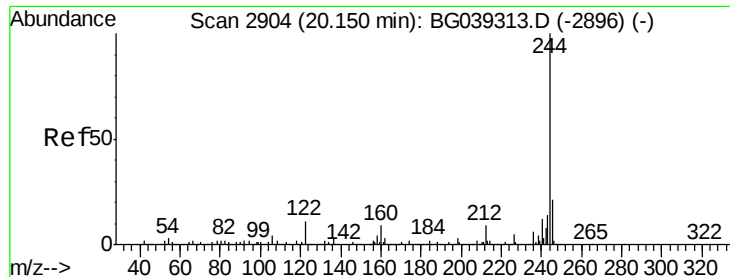
Tgt Ion: 240 Resp: 394480
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 25.2 21.0 31.4



#77
Benzidine
Concen: 2.234 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.35 min
Lab File: BG039658.D
Acq: 28 Feb 2019 7:10

Tgt Ion: 184 Resp: 28893
Ion Ratio Lower Upper
184 100
185 18.1 12.2 18.2
183 10.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 86.606 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

Instrument :

BNA_G

ClientSampleId :

WV-A

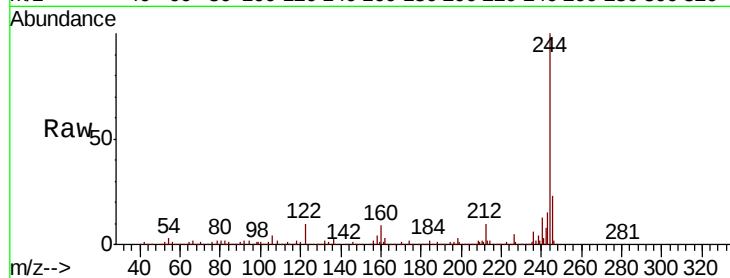
Tgt Ion:244 Resp: 1614054

Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

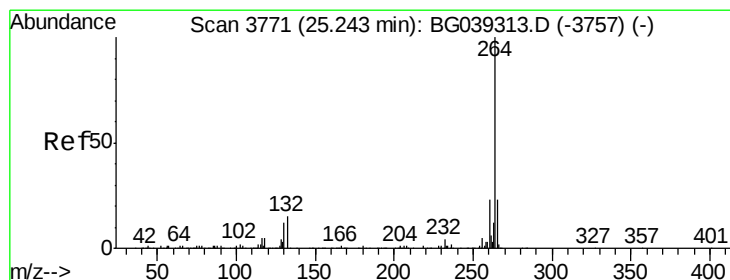
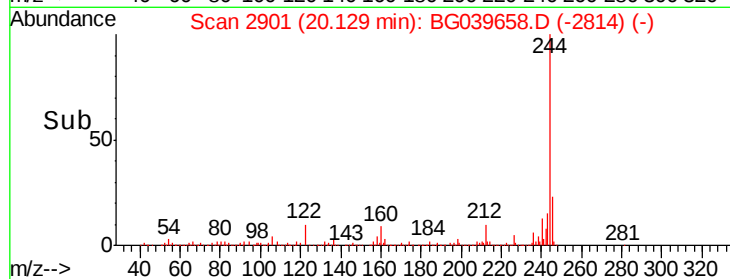
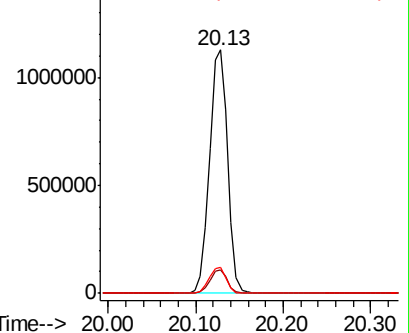
122 10.5 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039658.D

Acq: 28 Feb 2019 7:10

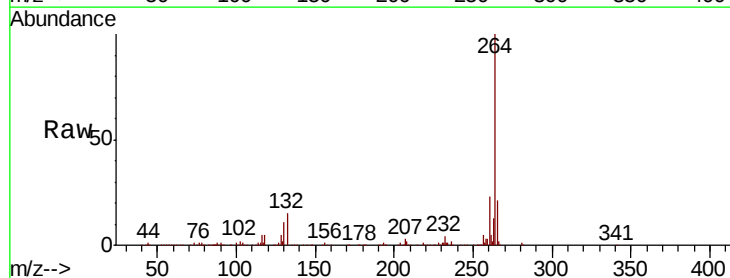
Tgt Ion:264 Resp: 390618

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.2 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

