

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039390.D
 Acq On : 7 Feb 2019 20:18
 Operator : JU/SJ
 Sample : K1392-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-8

Quant Time: Feb 08 09:14:13 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	8.18	152	56118	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	243922	20.00	ng	0.00
39) Acenaphthene-d10	14.80	164	159955	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	381621	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	395977	20.00	ng	-0.02
87) Perylene-d12	25.21	264	401974	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	239793	73.13	ng	0.00
7) Phenol-d6	7.31	99	216914	44.94	ng	-0.01
23) Nitrobenzene-d5	9.35	82	463573	118.73	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	291020	168.96	ng	0.00
45) 2-Fluorobiphenyl	13.43	172	1099371	98.60	ng	0.00
79) Terphenyl-d14	20.14	244	1660183	88.74	ng	-0.01

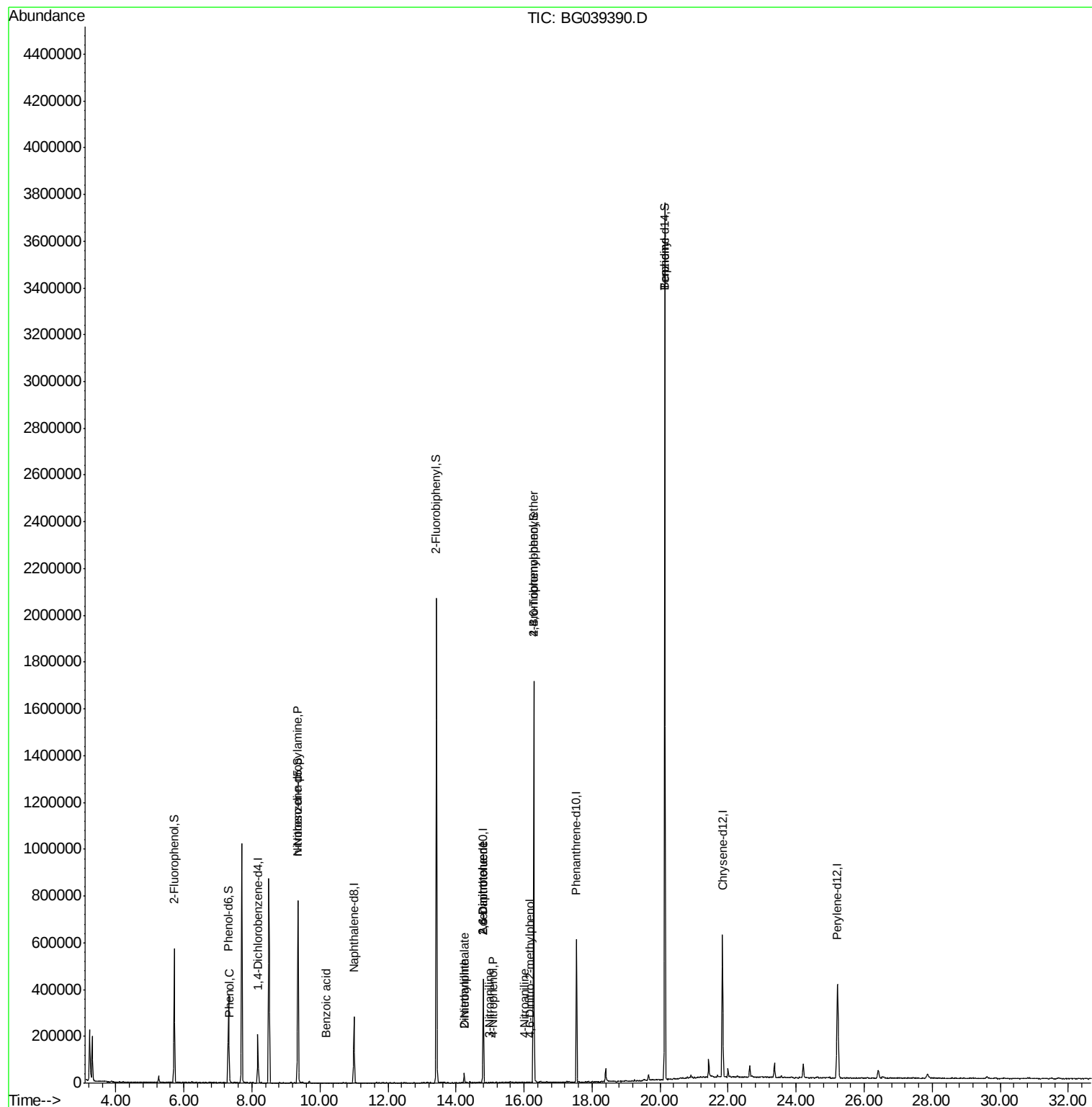
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.33	77	75	Below Cal	#	4
10) Phenol	7.34	94	15074	3.00	ng	91
19) n-Nitroso-di-n-propylamine	9.35	70	59725	17.43	ng	69
32) Benzoic acid	10.20	122	54	9.04	ng	1
48) 2-Nitroaniline	14.25	65	254	8.37	ng	1
50) Dimethylphthalate	14.25	163	28102	2.18	ng	96
51) 2,6-Dinitrotoluene	14.80	165	20823	14.00	ng	23
53) 3-Nitroaniline	15.00	138	58	5.81	ng	1
56) 4-Nitrophenol	15.09	139	68	5.82	ng	50
57) 2,4-Dinitrotoluene	14.80	165	20823	13.46	ng	18
62) 4-Nitroaniline	16.01	138	54	4.22	ng	10
65) 4,6-Dinitro-2-methylphenol	16.17	198	87	4.24	ng	32
67) 4-Bromophenyl-phenylether	16.28	248	23424	5.53	ng	1
77) Benzidine	20.14	184	30969	2.39	ng	94

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

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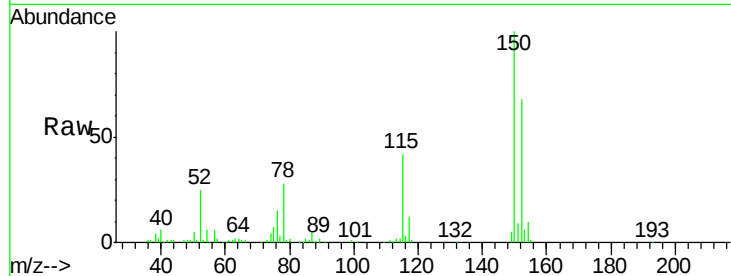


#1

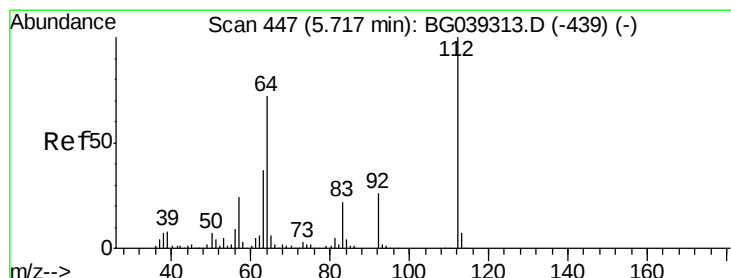
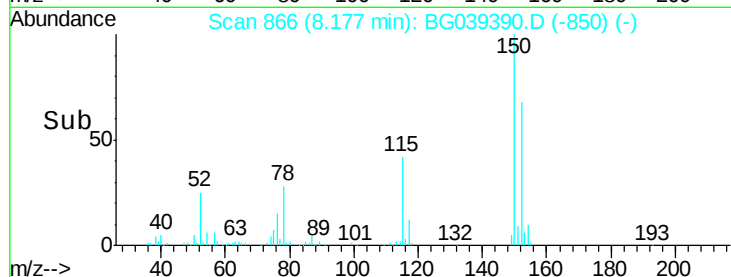
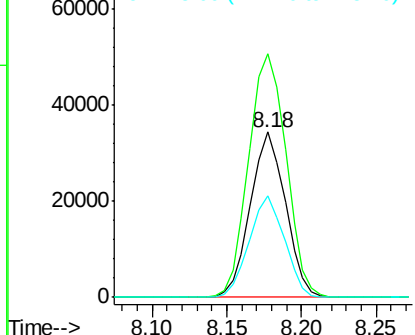
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Instrument :
BNA_G
ClientSampleId :
MW-8

Tot Ion:152 Resp: 56118
Ion Ratio Lower Upper
152 100
150 147.3 123.7 185.5
115 61.7 45.9 68.9



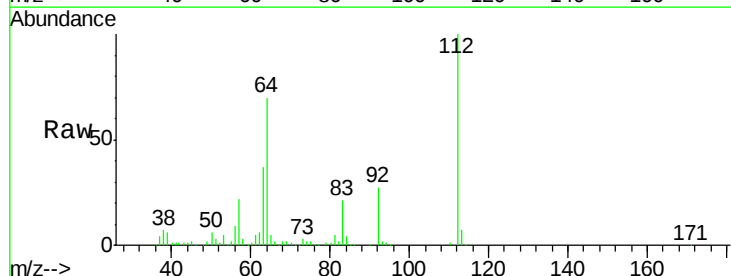
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



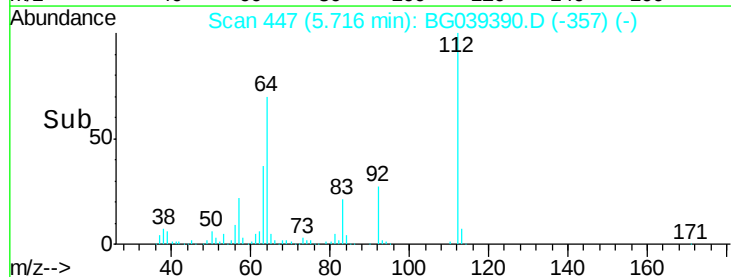
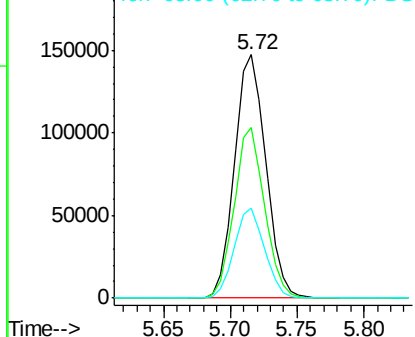
#5

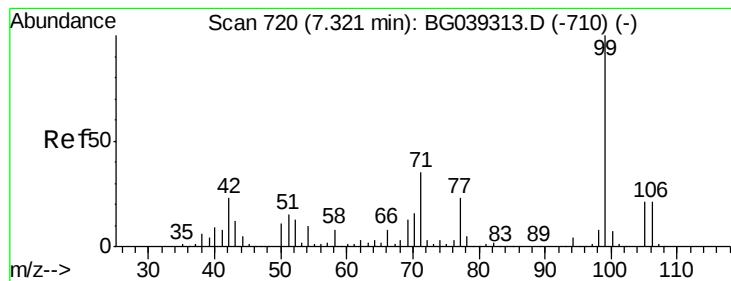
2-Fluorophenol
Concen: 73.13 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Tgt Ion:112 Resp: 239793
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: 44.94 ng

RT: 7.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

BNA_G

ClientSampleId :

MW-8

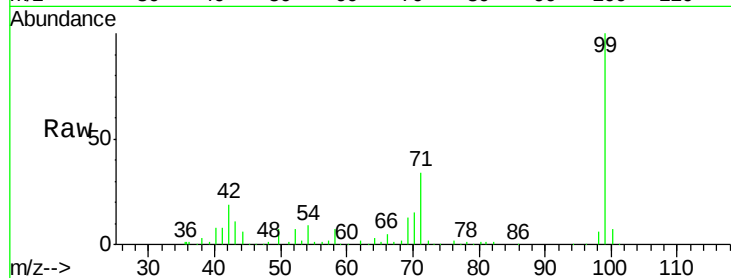
Tot Ion: 99 Resp: 216914

Ion Ratio Lower Upper

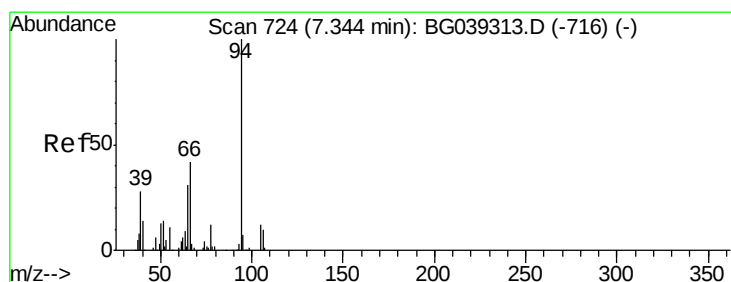
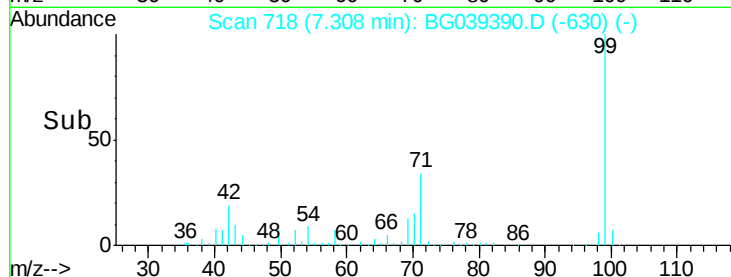
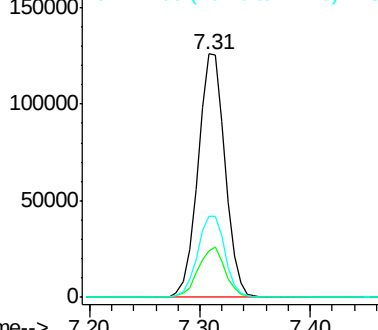
99 100

42 18.9 18.2 27.2

71 33.5 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: 3.00 ng

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

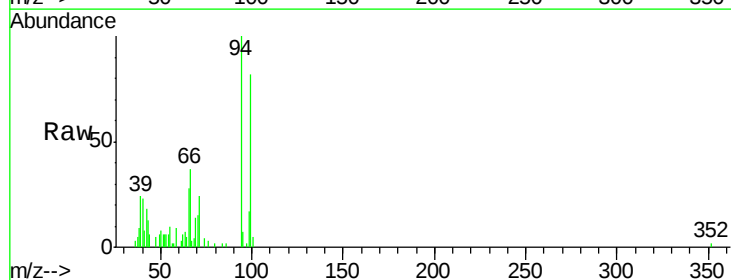
Tgt Ion: 94 Resp: 15074

Ion Ratio Lower Upper

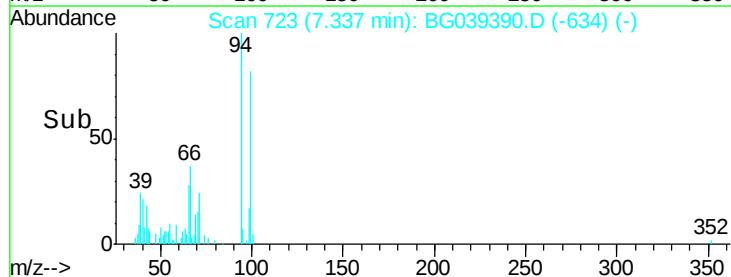
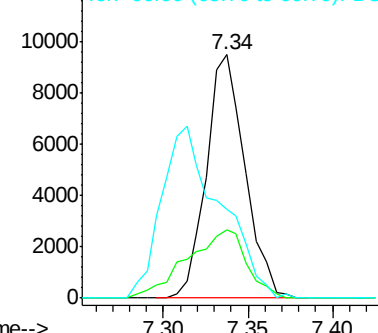
94 100

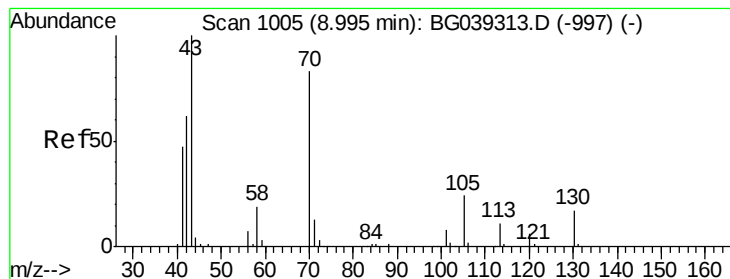
65 28.3 11.7 51.7

66 36.5 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: 17.43 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

BNA_G

ClientSampleId :

MW-8

Tot Ion: 70 Resp: 59725

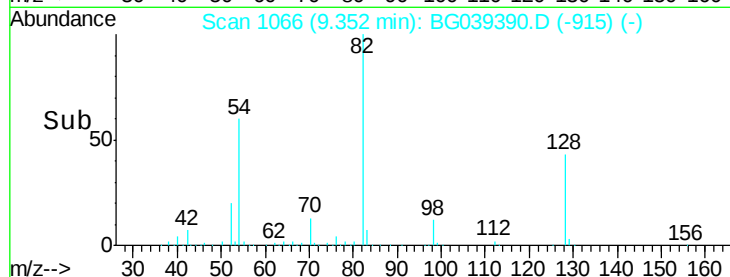
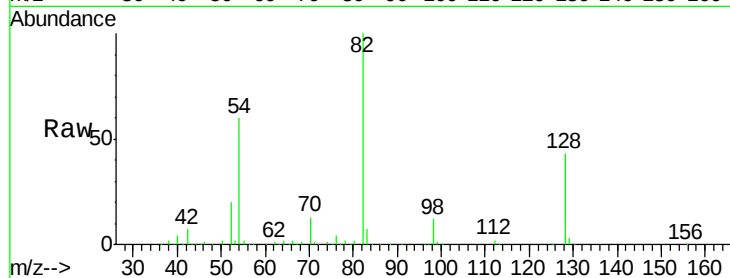
Ion Ratio Lower Upper

70 100

42 50.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.0 16.9 25.3#

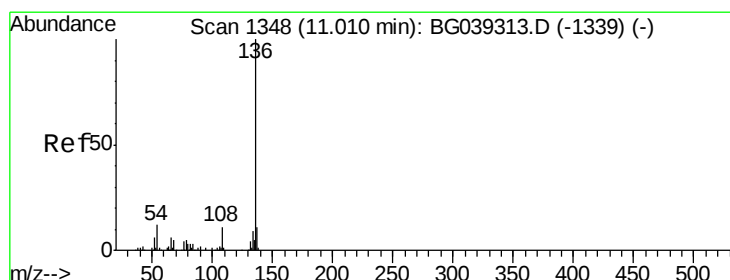
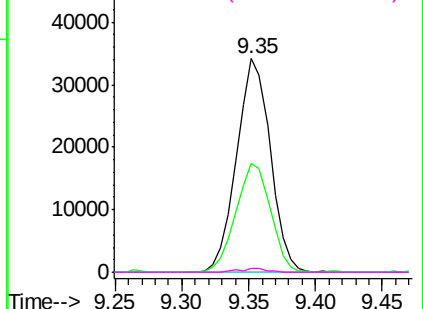


Abundance Ion 70.00 (69.70 to 70.70): BG0

Ion 42.00 (41.70 to 42.70): BG0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.00 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Tgt Ion:136 Resp: 243922

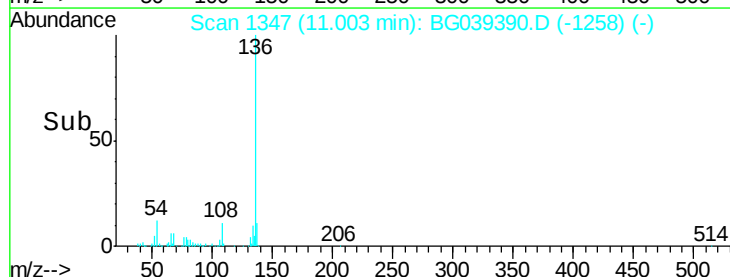
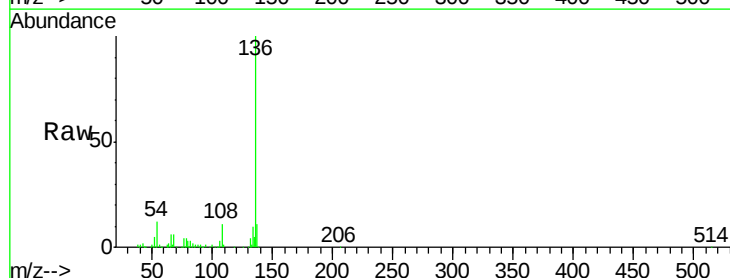
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 11.7 9.4 14.2

68 5.5 4.2 6.4

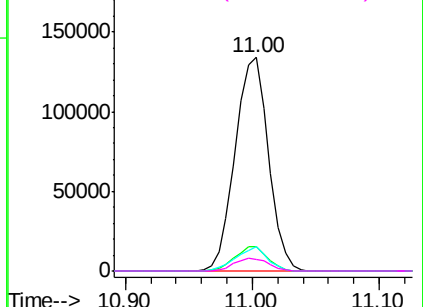


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG0

Ion 68.00 (67.70 to 68.70): BG0





#23

Nitrobenzene-d5

Concen: 118.73 ng

RT: 9.35 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

BNA_G

ClientSampleId :

MW-8

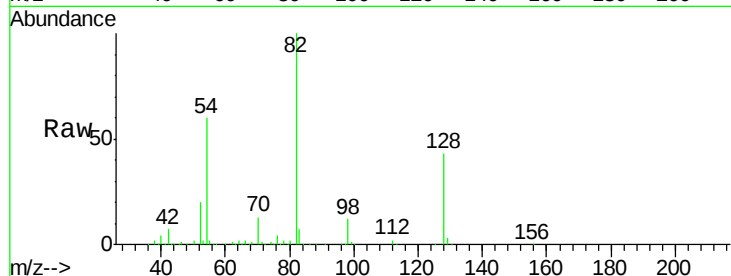
Tot Ion: 82 Resp: 463573

Ion Ratio Lower Upper

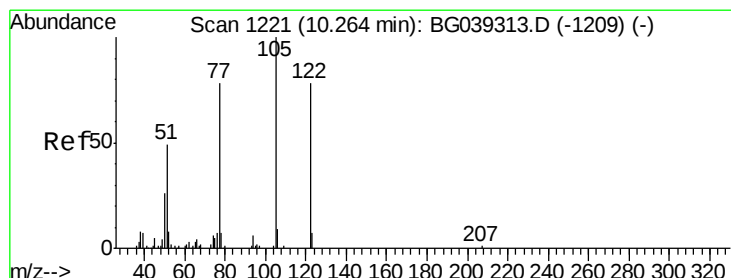
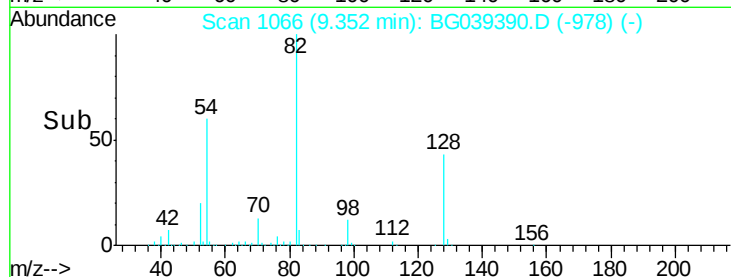
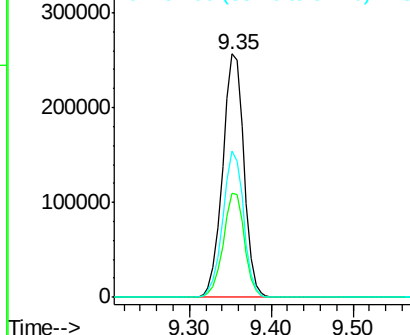
82 100

128 42.8 31.3 46.9

54 60.2 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



#32

Benzoic acid

Concen: 9.04 ng

RT: 10.20 min Scan# 1210

Delta R.T. -0.06 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

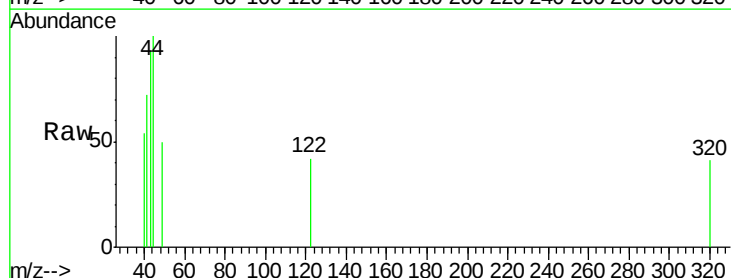
Tgt Ion: 122 Resp: 54

Ion Ratio Lower Upper

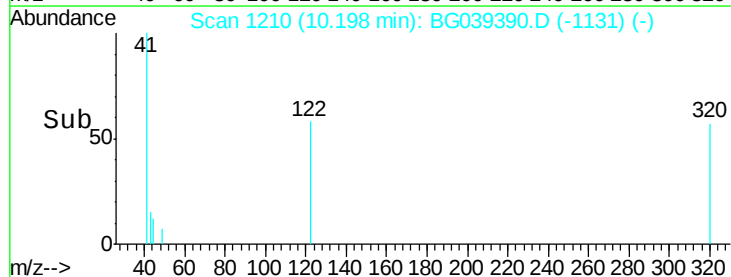
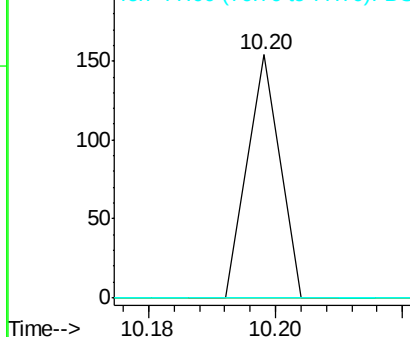
122 100

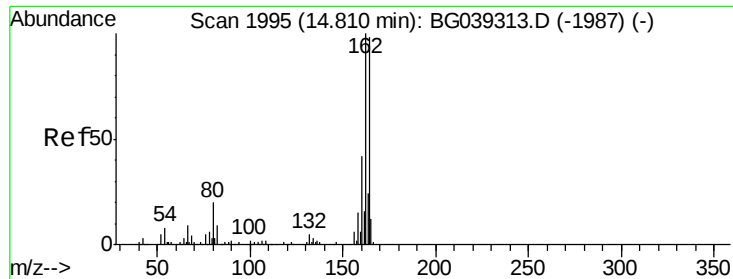
105 0.0 101.8 141.8#

77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

BNA_G

ClientSampleId :

MW-8

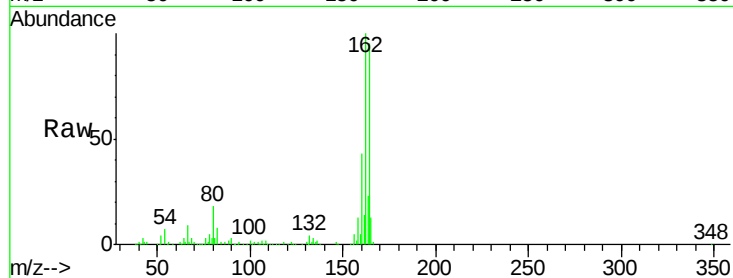
Tot Ion:164 Resp: 159955

Ion Ratio Lower Upper

164 100

162 104.9 81.6 122.4

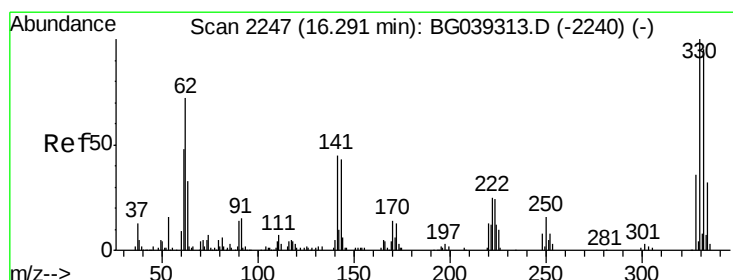
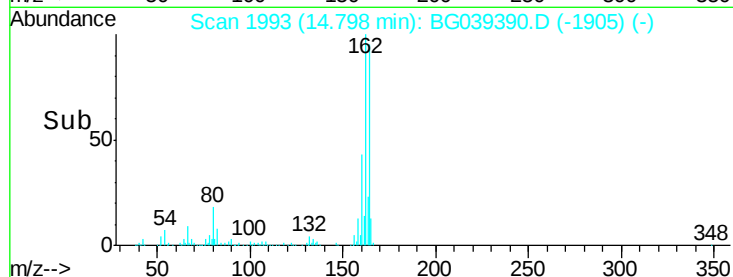
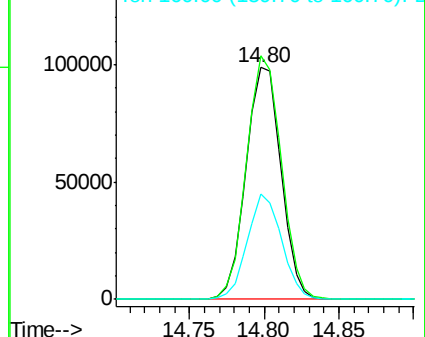
160 45.3 34.2 51.2



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: 168.96 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

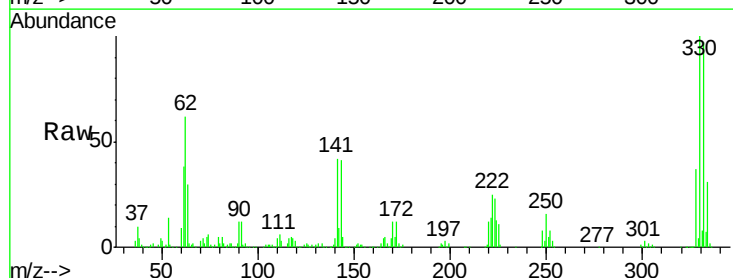
Tgt Ion:330 Resp: 291020

Ion Ratio Lower Upper

330 100

332 97.9 75.7 113.5

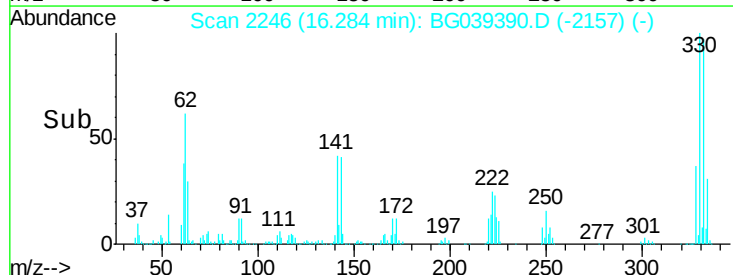
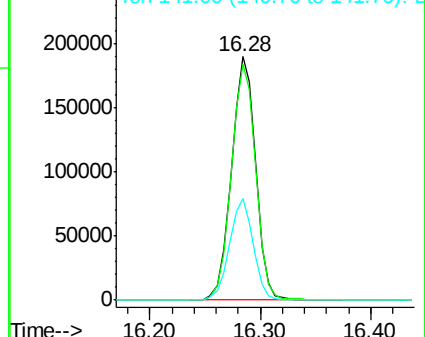
141 41.1 35.6 53.4

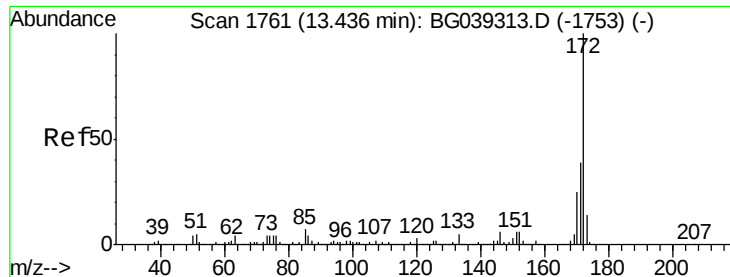


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

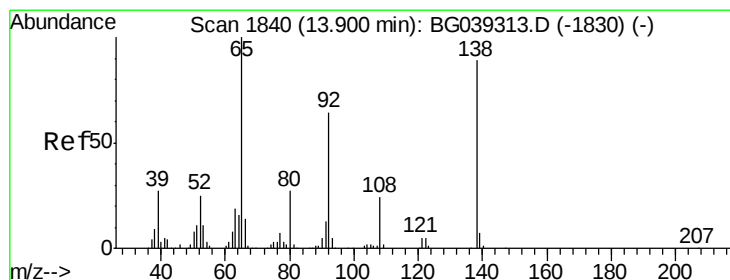
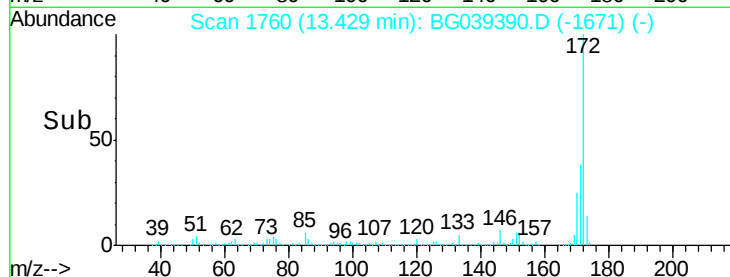
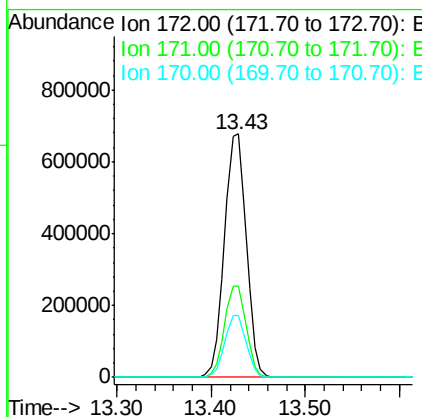
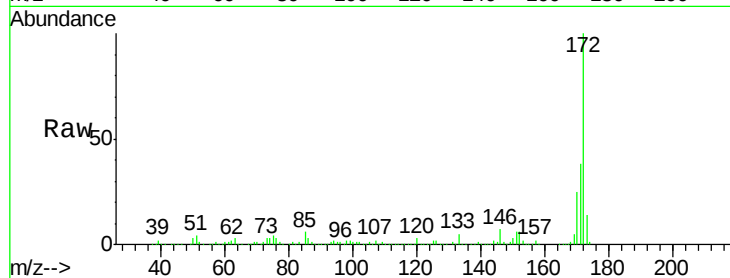




#45
2-Fluorobiphenyl
Concen: 98.60 ng
RT: 13.43 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

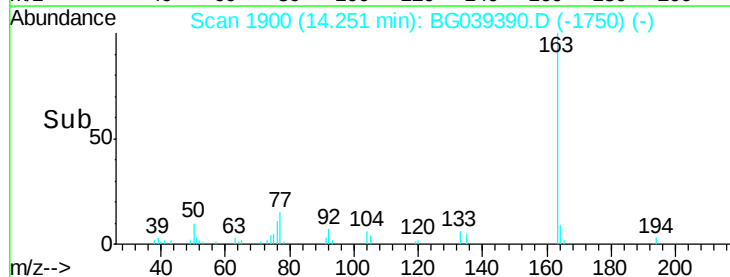
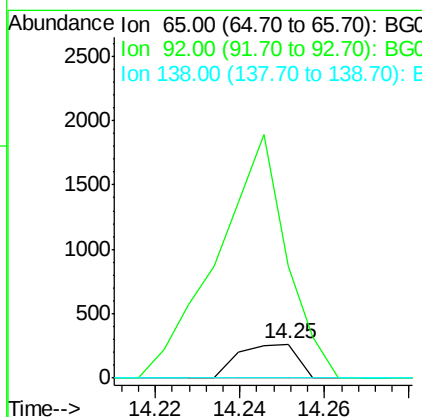
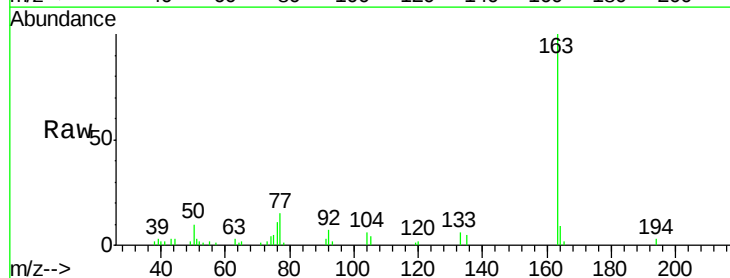
Instrument :
BNA_G
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MW-8

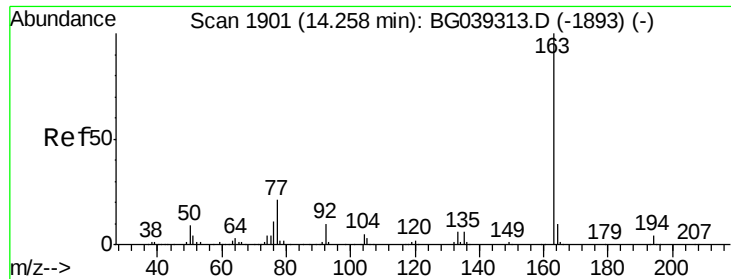
Tot Ion:172 Resp: 1099371
Ion Ratio Lower Upper
172 100
171 37.5 30.8 46.2
170 25.3 20.2 30.4



#48
2-Nitroaniline
Concen: 8.37 ng
RT: 14.25 min Scan# 1900
Delta R.T. 0.35 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Tgt Ion: 65 Resp: 254
Ion Ratio Lower Upper
65 100
92 329.2 51.4 77.2#
138 0.0 71.4 107.2#

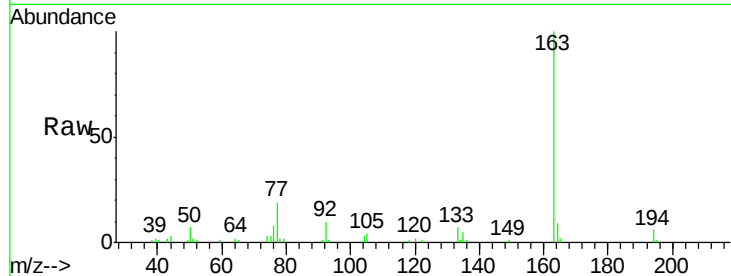




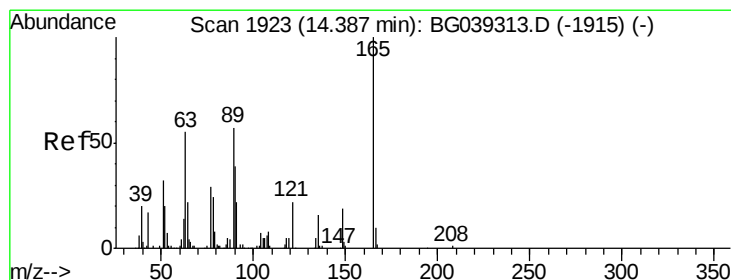
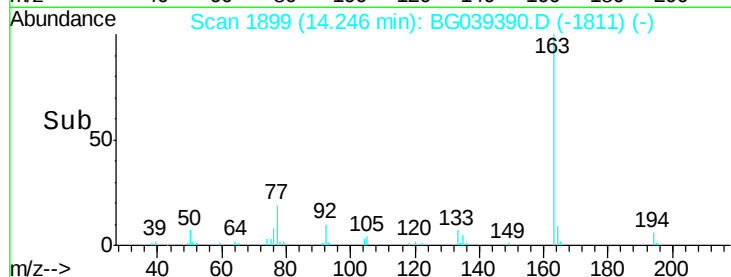
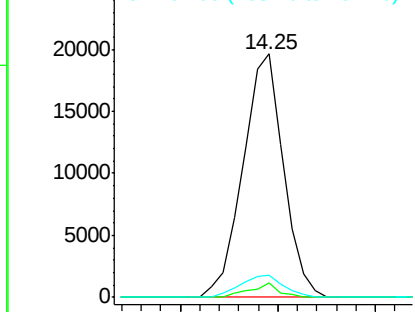
#50
Dimethylphthalate
Concen: 2.18 ng
RT: 14.25 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Instrument :
BNA_G
ClientSampled :
MW-8

Tot Ion:163 Resp: 28102
Ion Ratio Lower Upper
163 100
194 5.9 3.6 5.4#
164 8.9 8.4 12.6

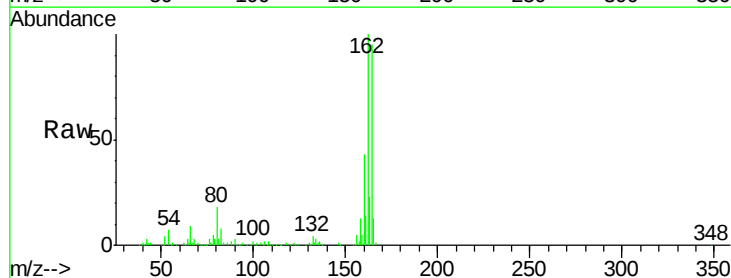


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

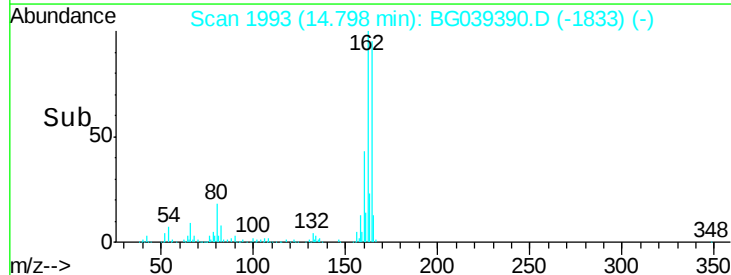
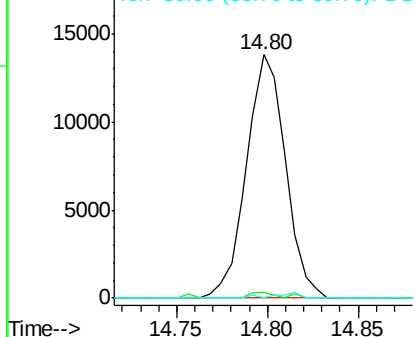


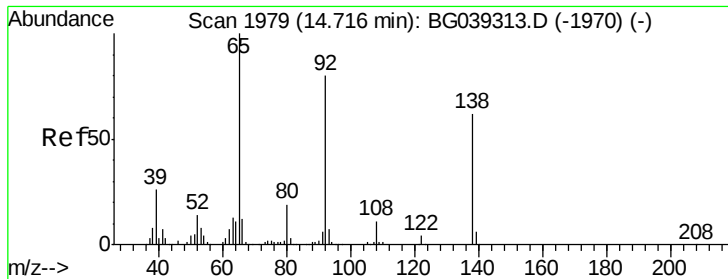
#51
2,6-Dinitrotoluene
Concen: 14.00 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Tgt Ion:165 Resp: 20823
Ion Ratio Lower Upper
165 100
63 2.0 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

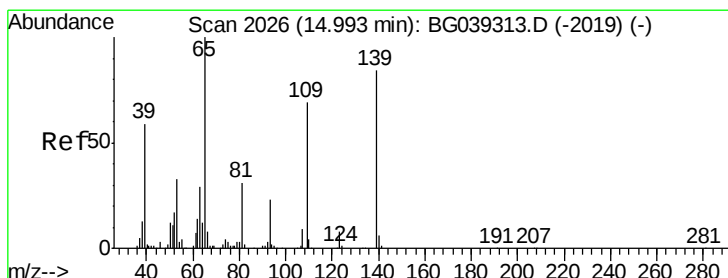
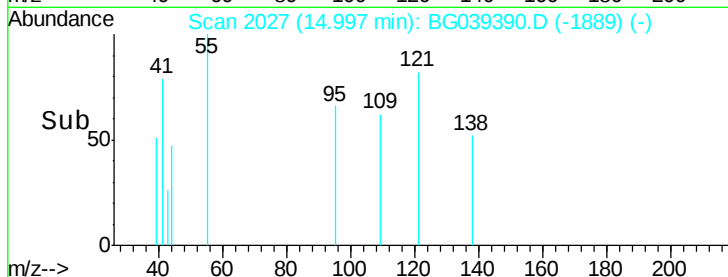
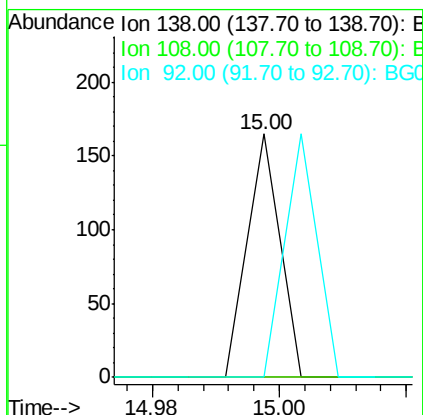
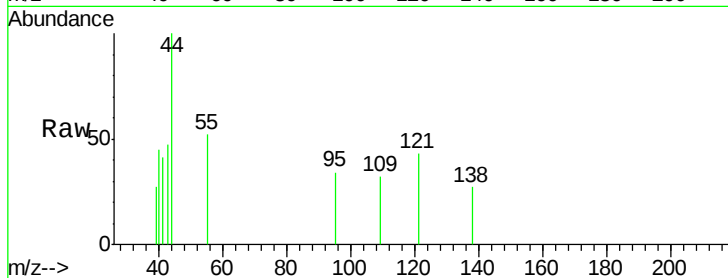




#53
3-Nitroaniline
Concen: 5.81 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.28 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

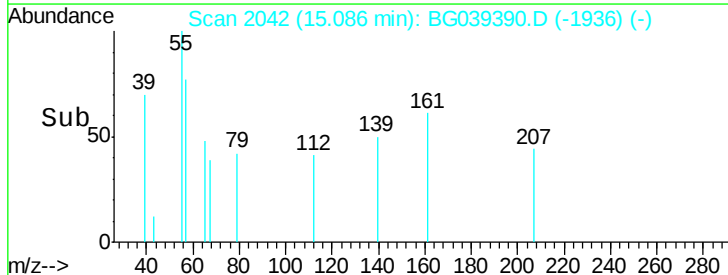
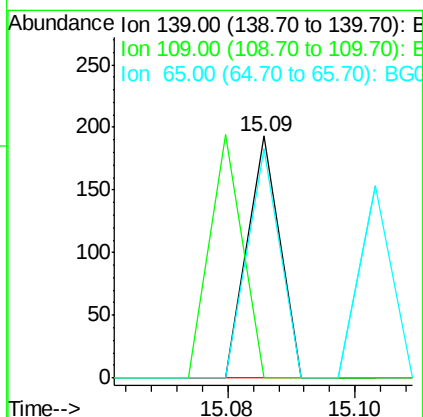
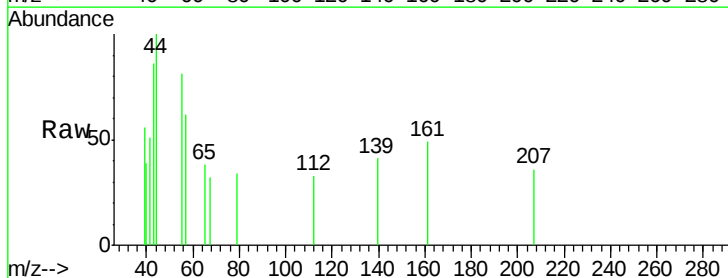
Instrument :
BNA_G
ClientSampleId :
MW-8

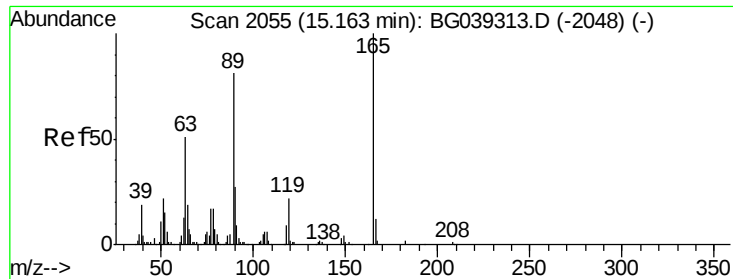
Tot Ion:138 Resp: 58
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.82 ng
RT: 15.09 min Scan# 2042
Delta R.T. 0.09 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Tgt Ion:139 Resp: 68
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 94.8 99.1 139.1#

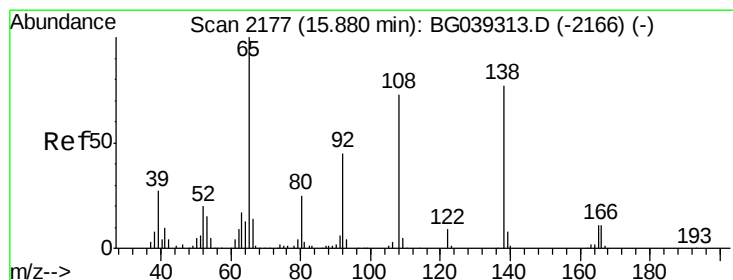
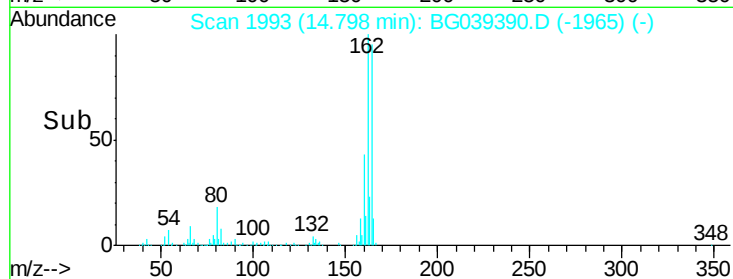
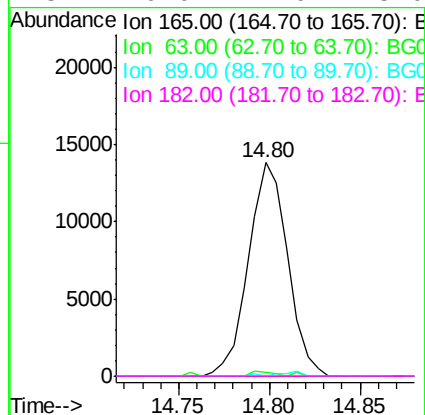
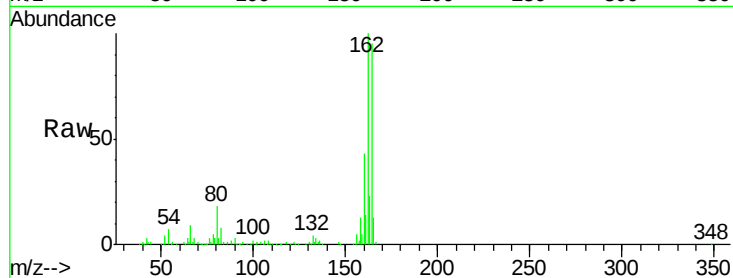




#57
 2,4-Dinitrotoluene
 Concen: 13.46 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.36 min
 Lab File: BG039390.D
 Acq: 7 Feb 2019 20:18

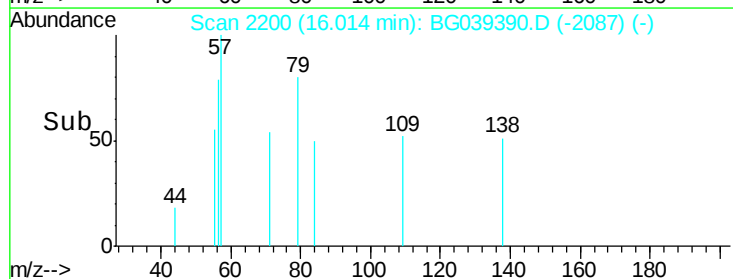
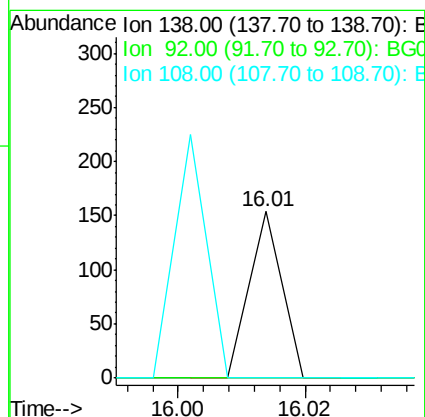
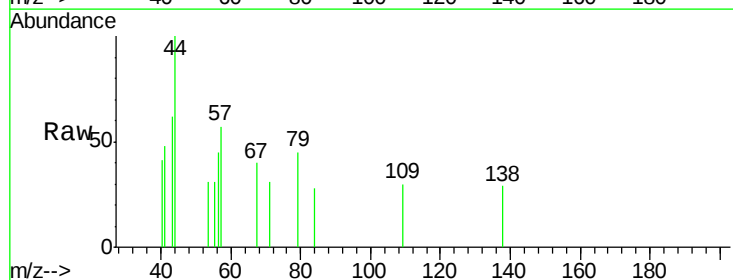
Instrument :
 BNA_G
 ClientSampleId :
 MW-8

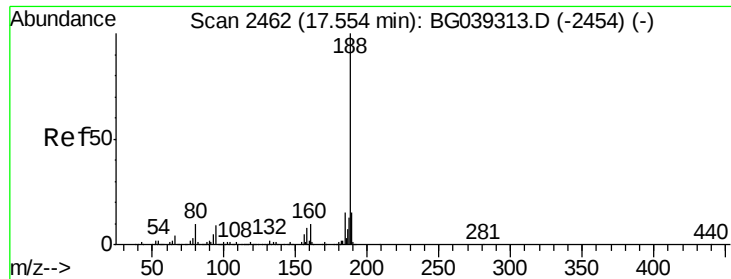
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.22 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. 0.13 min
 Lab File: BG039390.D
 Acq: 7 Feb 2019 20:18

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	38.7	78.7#
108	0.0	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

BNA_G

ClientSampleId :

MW-8

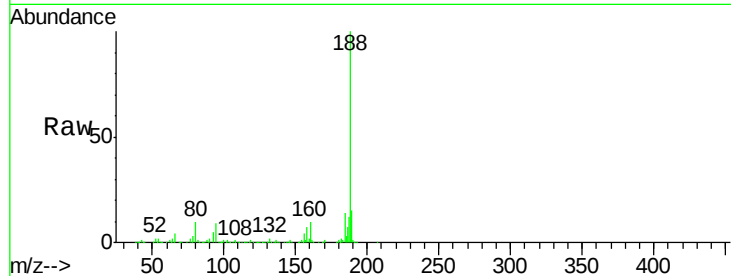
Tot Ion:188 Resp: 381621

Ion Ratio Lower Upper

188 100

94 8.8 6.9 10.3

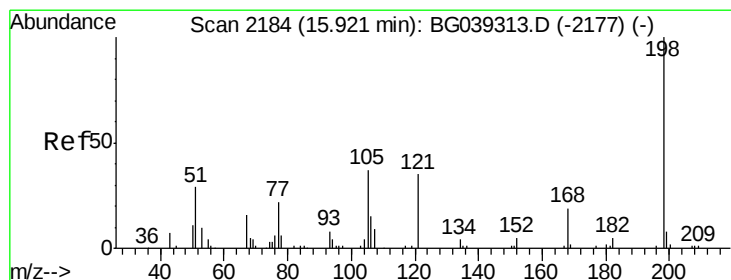
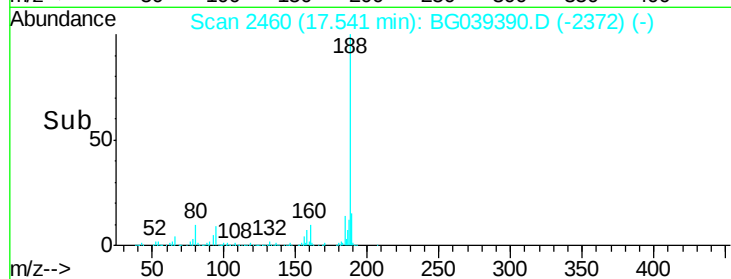
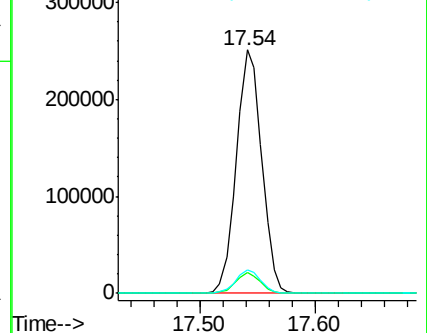
80 9.7 8.1 12.1



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: 4.24 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.25 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

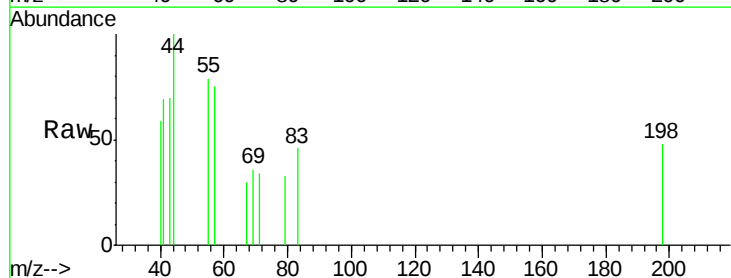
Tgt Ion:198 Resp: 87

Ion Ratio Lower Upper

198 100

51 0.0 27.4 67.4#

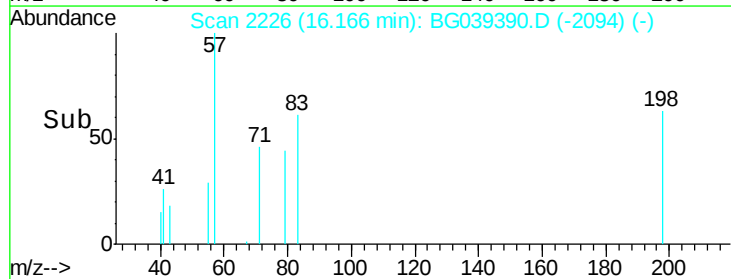
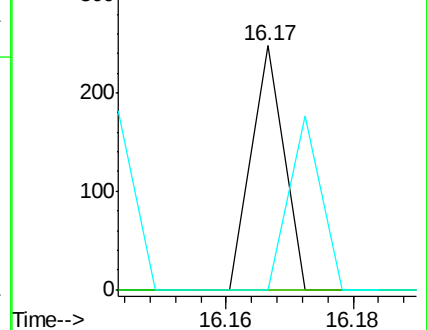
105 0.0 19.7 59.7#

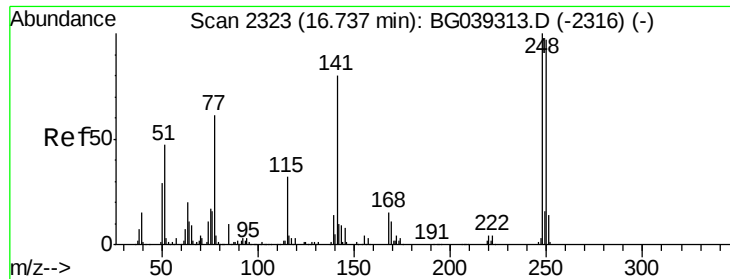


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

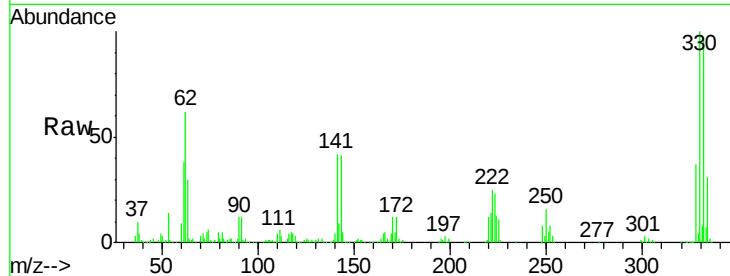




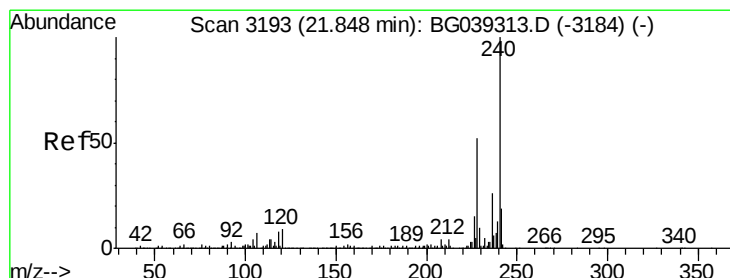
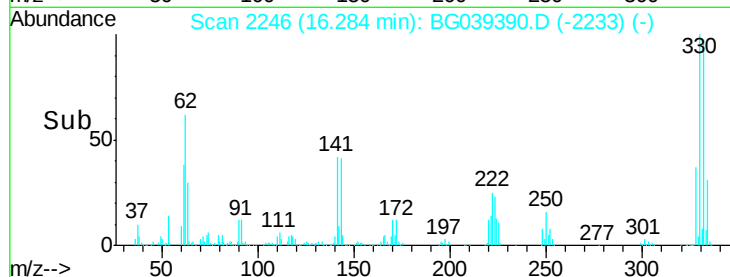
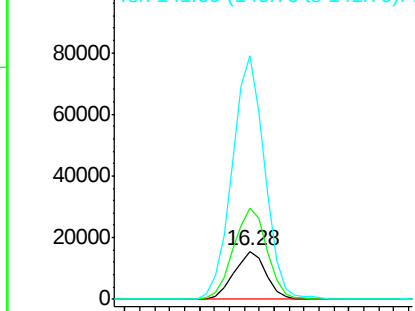
#67
4-Bromophenyl-phenylether
Concen: 5.53 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.45 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Instrument :
BNA_G
ClientSampled :
MW-8

Tot Ion:248 Resp: 23424
Ion Ratio Lower Upper
248 100
250 189.3 77.6 116.4#
141 505.3 63.9 95.9#

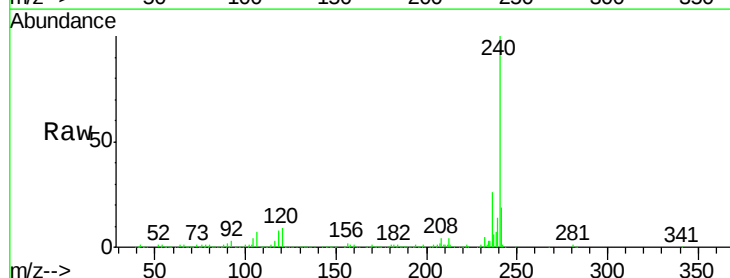


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

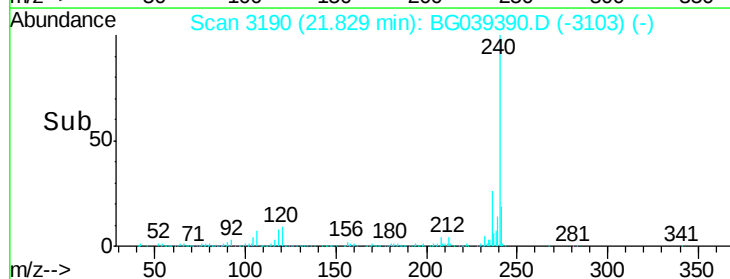
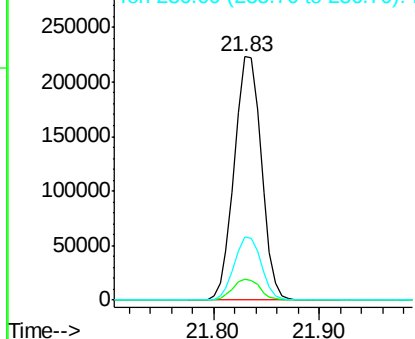


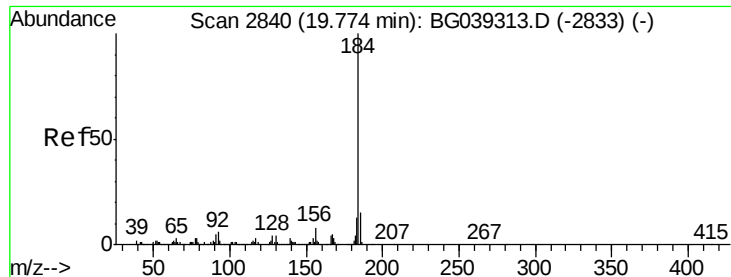
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Tgt Ion:240 Resp: 395977
Ion Ratio Lower Upper
240 100
120 8.6 7.0 10.6
236 26.0 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





#77

Benzidine

Concen: 2.39 ng

RT: 20.14 min Scan# 2902

Delta R.T. 0.36 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Instrument :

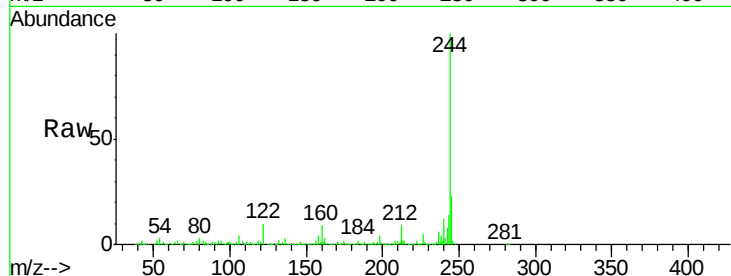
BNA_G

ClientSampleId :

MW-8

Tot Ion:184 Resp: 30969

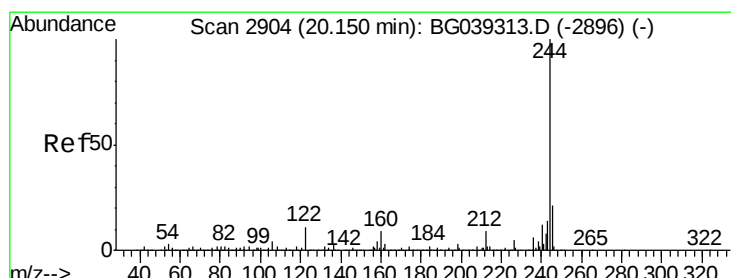
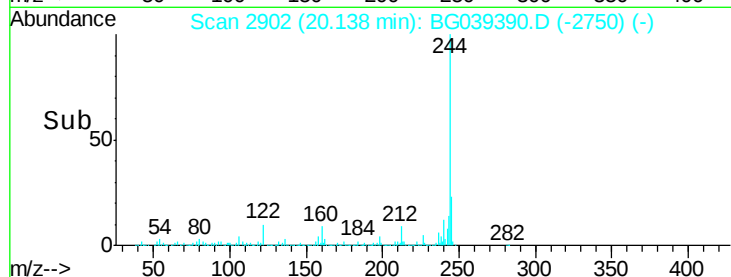
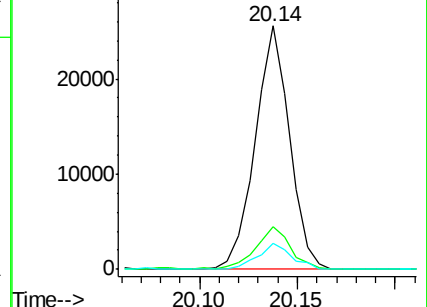
Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.2	18.2
183	10.9	10.6	15.8



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



#79

Terphenyl-d14

Concen: 88.74 ng

RT: 20.14 min Scan# 2902

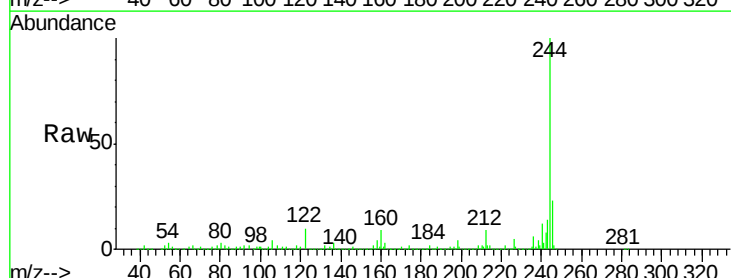
Delta R.T. -0.01 min

Lab File: BG039390.D

Acq: 7 Feb 2019 20:18

Tgt Ion:244 Resp: 1660183

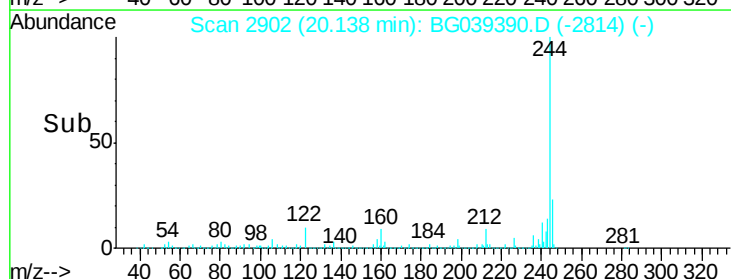
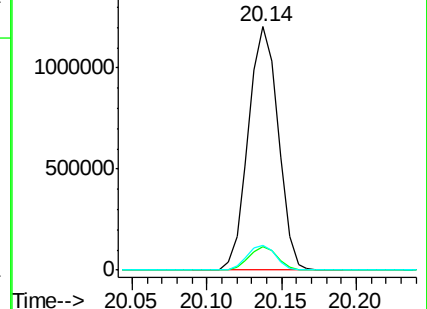
Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	10.1	8.4	12.6

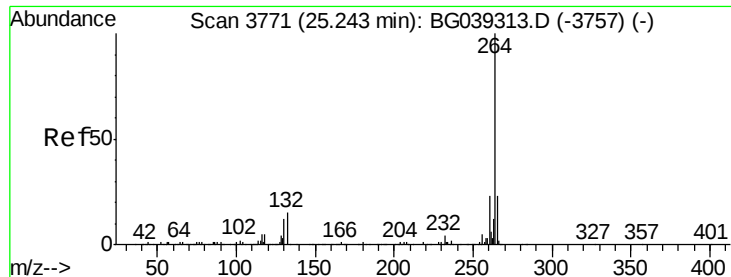


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.00 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039390.D
Acq: 7 Feb 2019 20:18

Instrument :
BNA_G
ClientSampleId :
MW-8

Tot Ion:	264	Resp:	401974
Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	20.8	18.5	27.7

