

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039518.D
 Acq On : 14 Feb 2019 22:36
 Operator : JU/SJ
 Sample : K1479-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATOR

Quant Time: Feb 15 03:12:52 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	45346	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	209042	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	148198	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	347477	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	373651	20.00	ng	-0.02
87) Perylene-d12	25.21	264	382373	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	406631	153.48	ng	0.00
7) Phenol-d6	7.32	99	560554	143.73	ng	0.00
23) Nitrobenzene-d5	9.35	82	384854	115.01	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	271466	170.11	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	951660	92.12	ng	-0.02
79) Terphenyl-d14	20.13	244	1447236	81.98	ng	-0.02

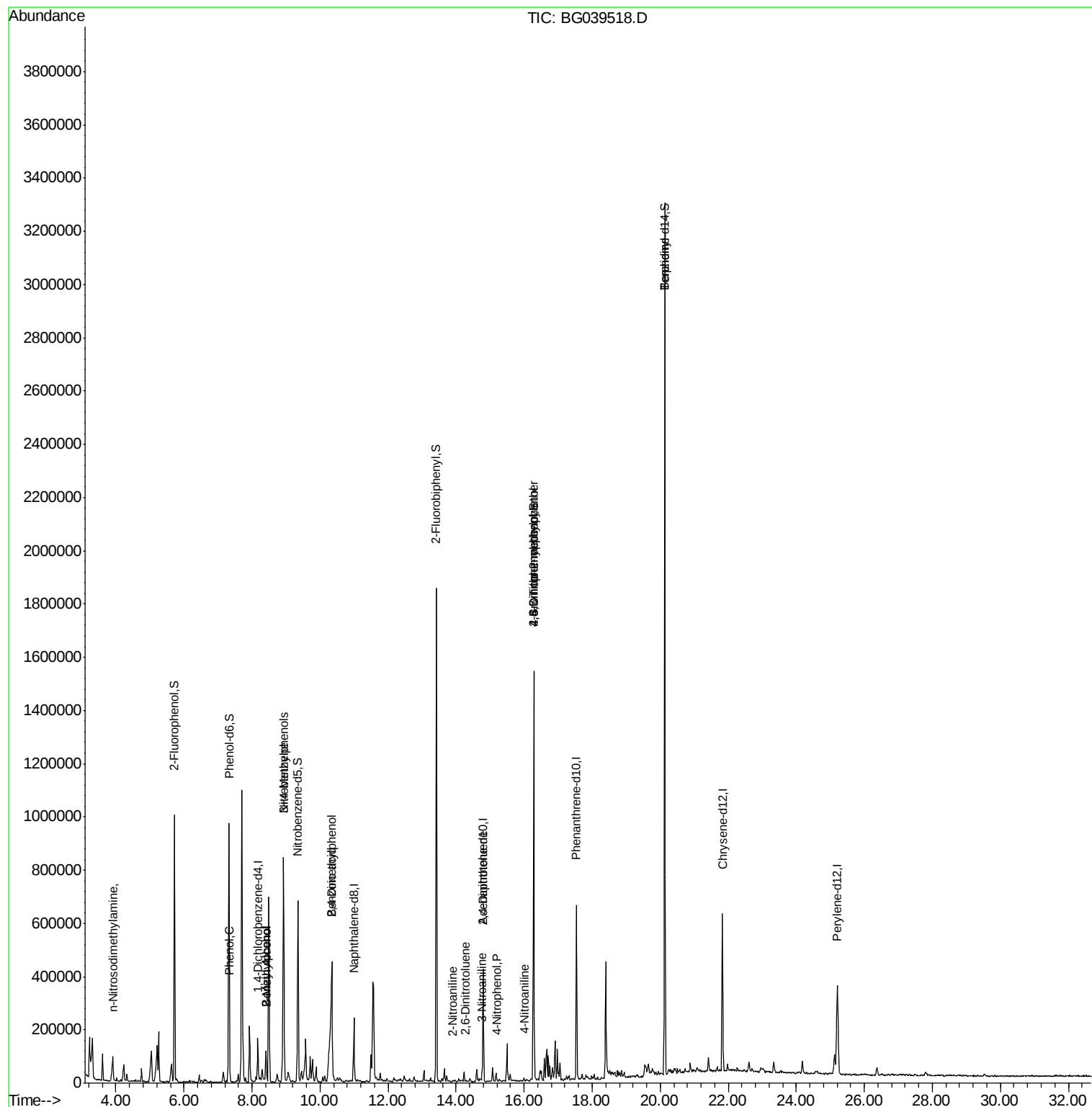
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.90	42	10907	7.108	ng	# 6
9) Benzaldehyde	7.31	77	3183	Below Cal		# 88
10) Phenol	7.35	94	11651	2.866	ng	85
15) Benzyl Alcohol	8.41	79	44367	14.491	ng	97
17) 2-Methylphenol	8.41	107	23867	9.072	ng	# 27
20) 3+4-Methylphenols	8.93	107	383295	105.800	ng	89
24) Nitrobenzene	8.93	77	122681	33.937	ng	# 48
27) 2,4-Dimethylphenol	10.35	122	262682	87.572	ng	# 4
32) Benzoic acid	10.35	122	262682	117.621	ng	97
48) 2-Nitroaniline	13.89	65	96	8.326	ng	# 43
51) 2,6-Dinitrotoluene	14.29	165	671	6.818	ng	# 22
53) 3-Nitroaniline	14.77	138	57	5.814	ng	# 67
56) 4-Nitrophenol	15.21	139	65	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19680	13.574	ng	# 19
62) 4-Nitroaniline	16.00	138	57	4.223	ng	# 2
65) 4,6-Dinitro-2-methylphenol	16.29	198	1132	5.219	ng	# 21
67) 4-Bromophenyl-phenylether	16.28	248	21548	5.590	ng	# 1
77) Benzidine	20.13	184	27527	2.247	ng	# 94

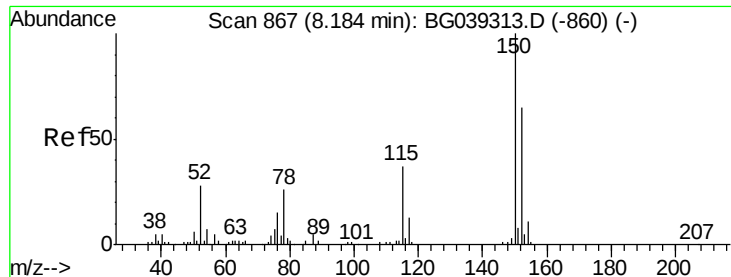
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

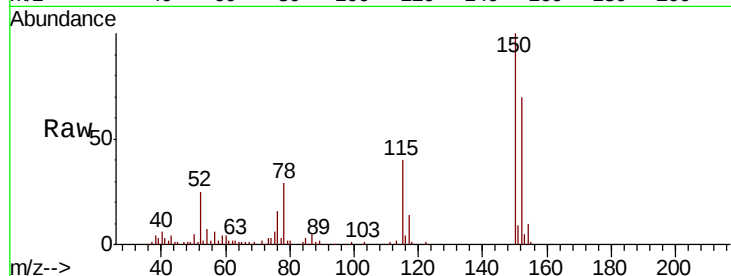
Tgt Ion:152 Resp: 45346

Ion Ratio Lower Upper

152 100

150 143.5 123.7 185.5

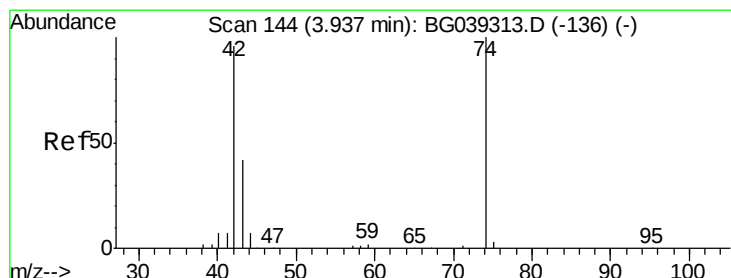
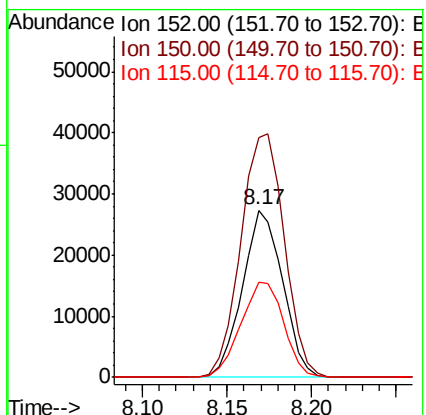
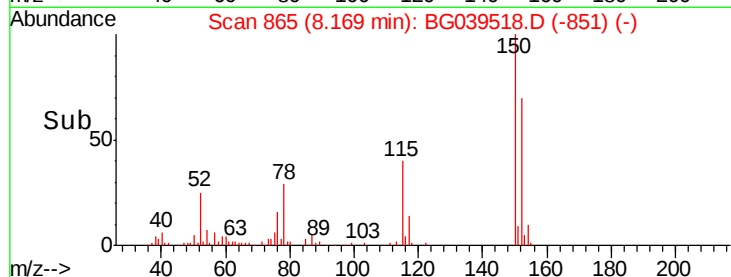
115 56.8 45.9 68.9



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



#4

n-Nitrosodimethylamine

Concen: 7.108 ng

RT: 3.90 min Scan# 139

Delta R.T. -0.03 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

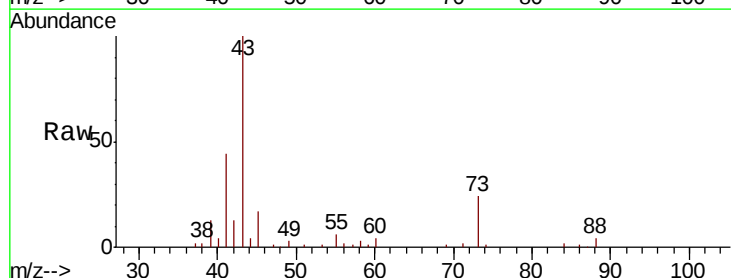
Tgt Ion: 42 Resp: 10907

Ion Ratio Lower Upper

42 100

74 5.5 83.6 125.4#

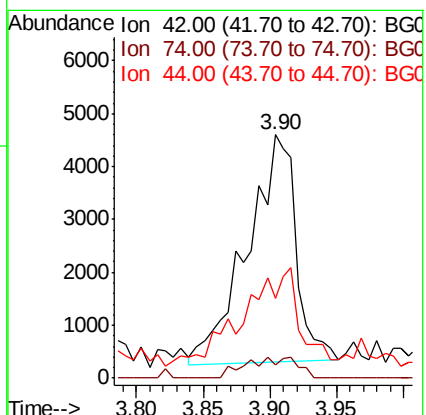
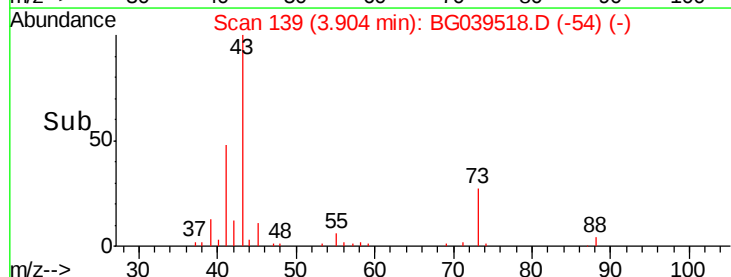
44 32.7 6.9 10.3#

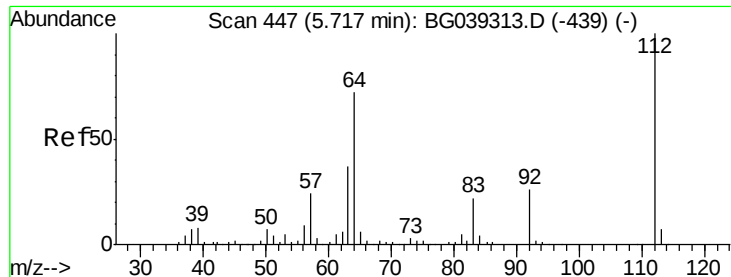


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 153.476 ng

RT: 5.72 min Scan# 448

Delta R.T. 0.00 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

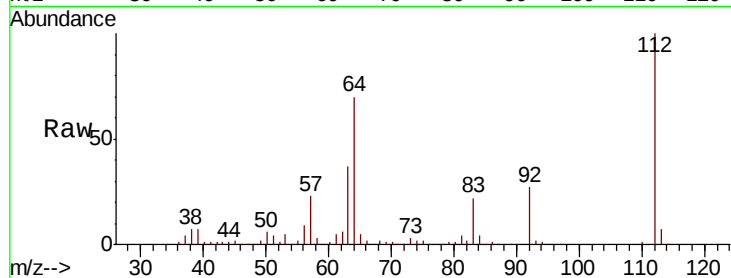
Tgt Ion: 112 Resp: 406631

Ion Ratio Lower Upper

112 100

64 69.9 57.8 86.8

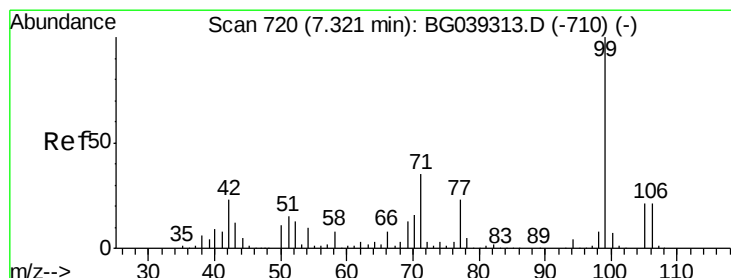
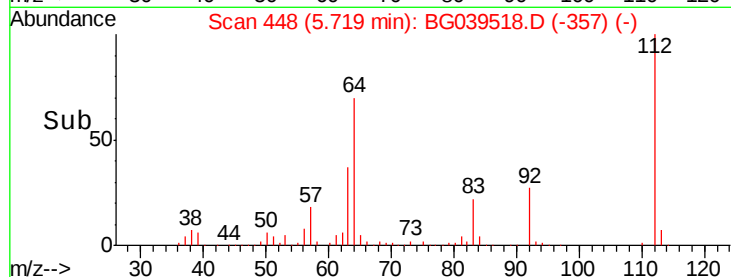
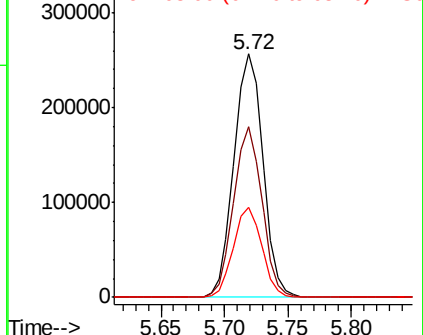
63 37.0 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 143.734 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

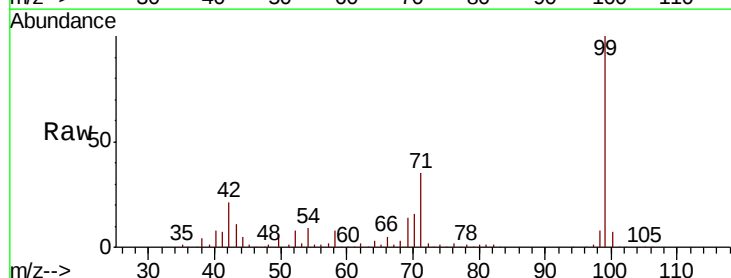
Tgt Ion: 99 Resp: 560554

Ion Ratio Lower Upper

99 100

42 20.8 18.2 27.2

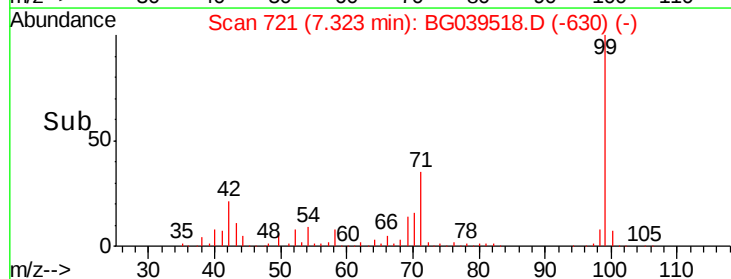
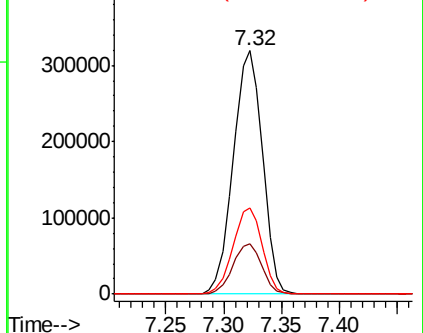
71 35.4 28.0 42.0

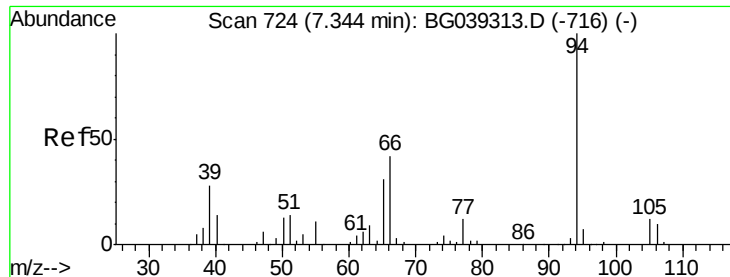


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 2.866 ng

RT: 7.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

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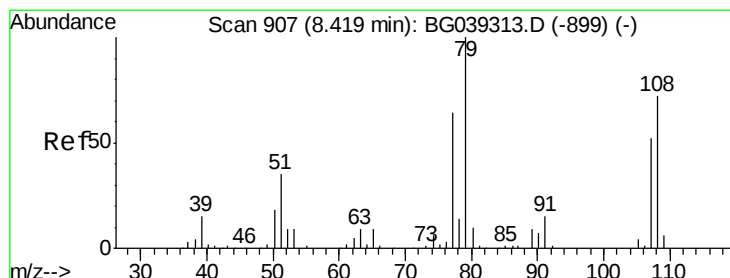
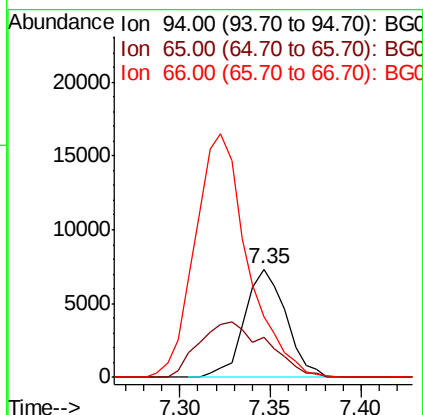
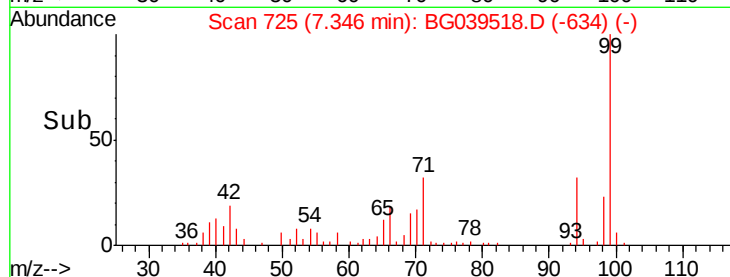
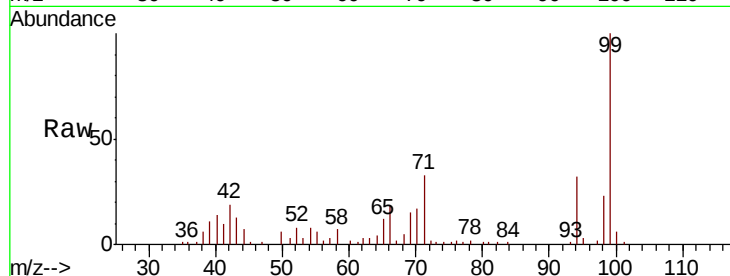
Tgt Ion: 94 Resp: 11651

Ion Ratio Lower Upper

94 100

65 36.7 11.7 51.7

66 56.0 23.7 63.7



#15

Benzyl Alcohol

Concen: 14.491 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

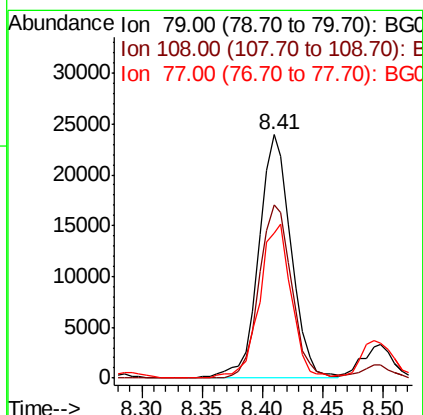
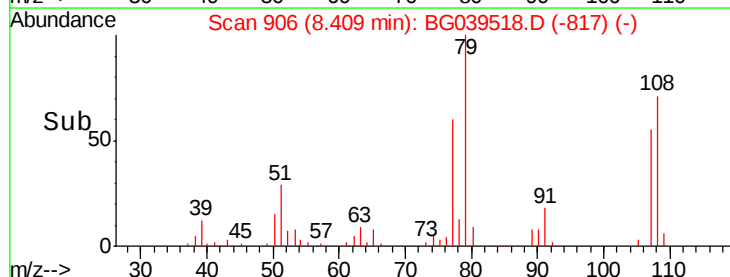
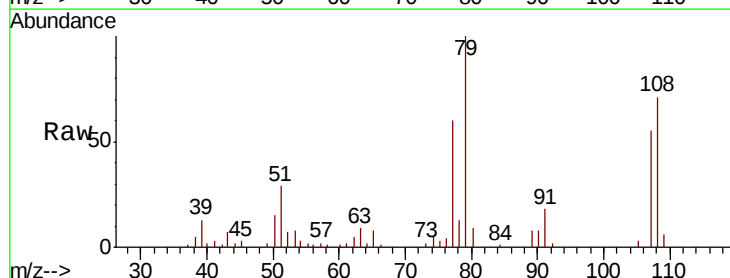
Tgt Ion: 79 Resp: 44367

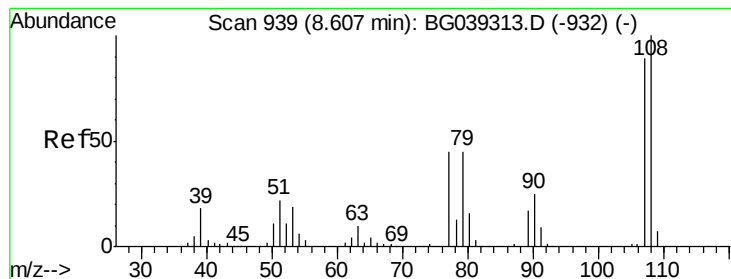
Ion Ratio Lower Upper

79 100

108 71.2 57.8 86.6

77 59.6 51.1 76.7





#17

2-Methylphenol

Concen: 9.072 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.20 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

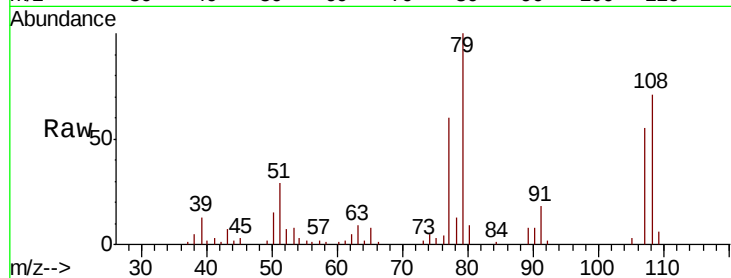
Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

Tgt Ion:	107	Resp:	23867
Ion	Ratio	Lower	Upper
107	100		
108	130.1	90.8	136.2
77	109.0	40.7	61.1#
79	182.8	40.6	60.8#



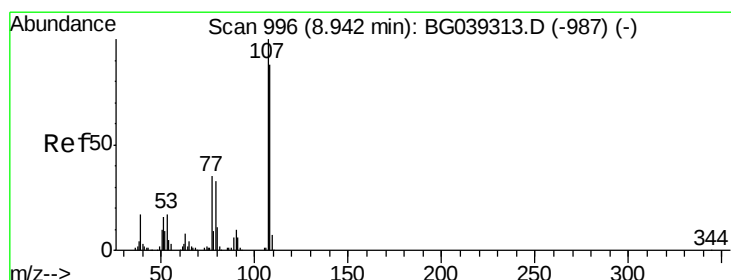
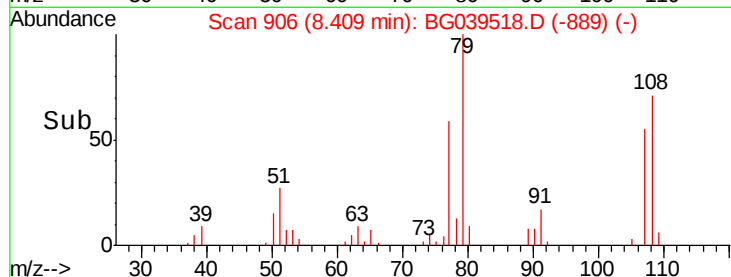
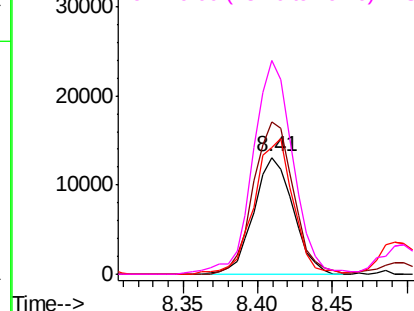
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20

3+4-Methylphenols

Concen: 105.800 ng

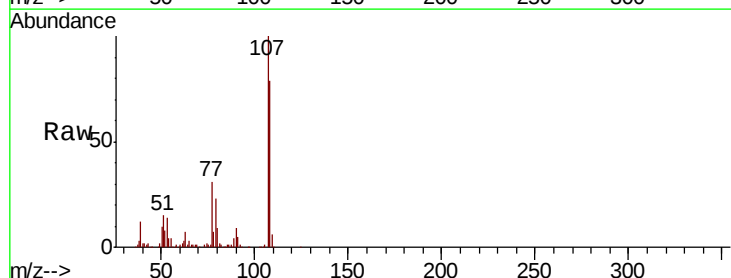
RT: 8.93 min Scan# 995

Delta R.T. -0.01 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Tgt Ion:	107	Resp:	383295
Ion	Ratio	Lower	Upper
107	100		
108	78.9	67.9	107.9
77	31.2	15.4	55.4
79	22.6	13.7	53.7



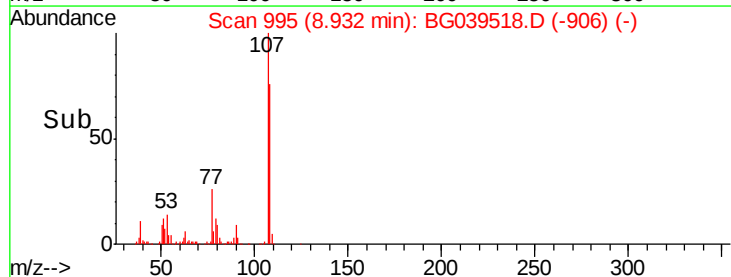
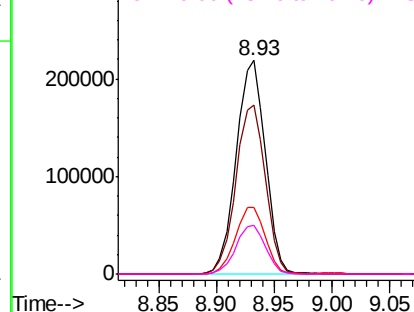
Abundance

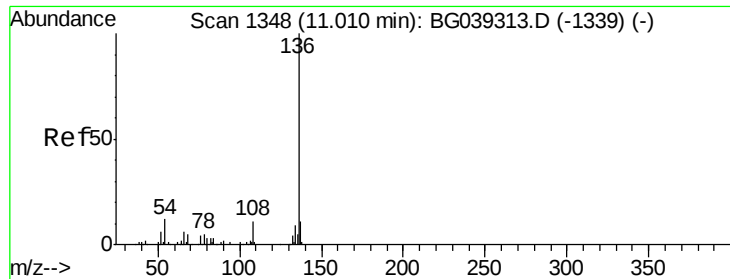
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

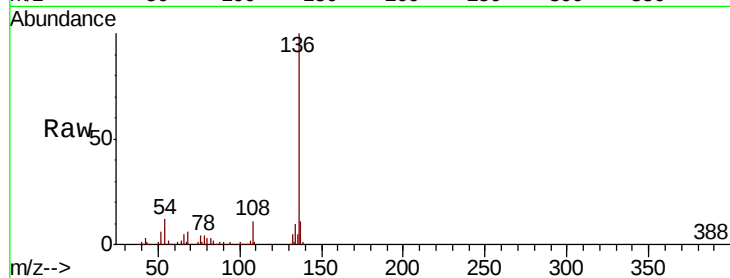




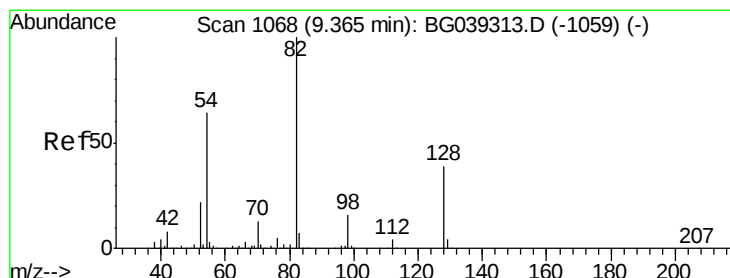
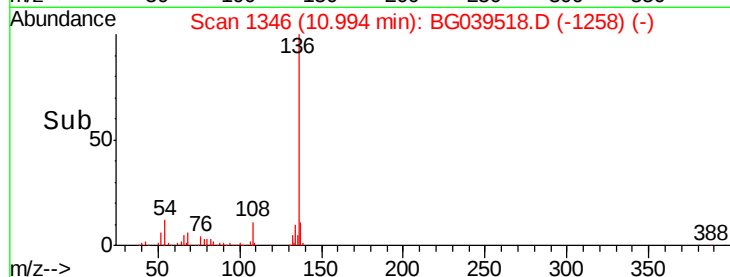
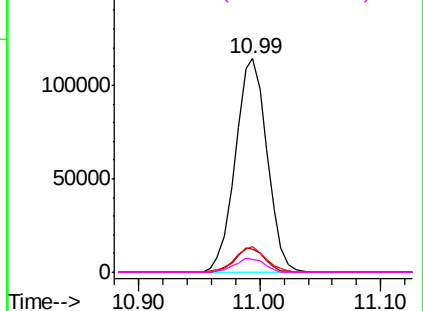
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

Instrument :
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Tgt Ion:	136	Resp:	209042
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	11.7	9.4	14.2
68	6.2	4.2	6.4

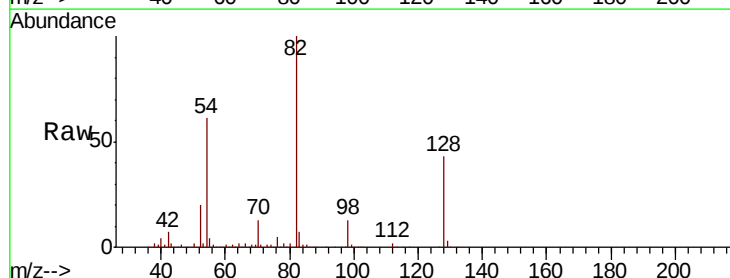


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

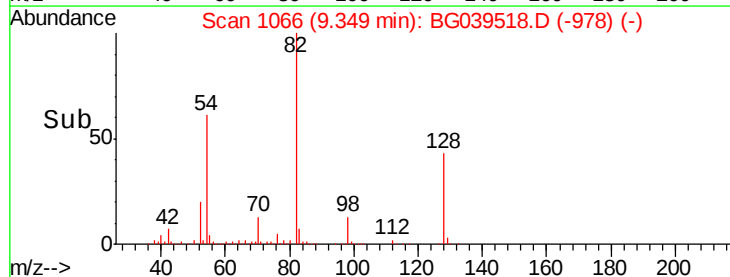
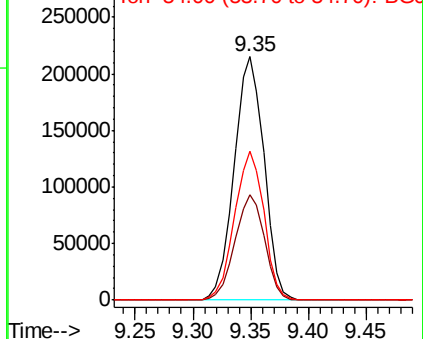


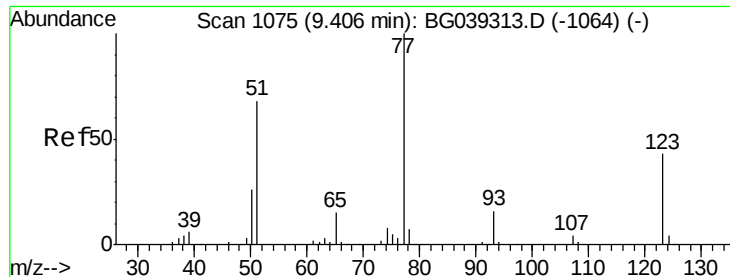
#23
Nitrobenzene-d5
Concen: 115.012 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

Tgt Ion:	82	Resp:	384854
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	61.1	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





#24

Nitrobenzene

Concen: 33.937 ng

RT: 8.93 min Scan# 995

Delta R.T. -0.47 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

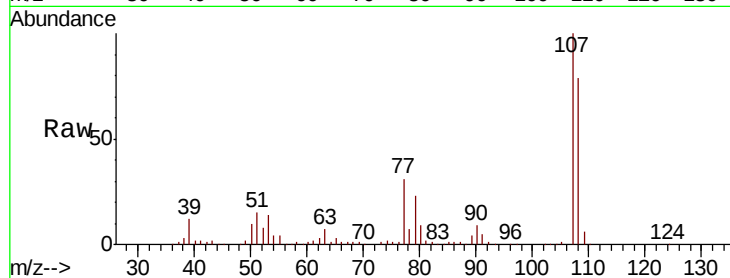
Tgt Ion: 77 Resp: 122681

Ion Ratio Lower Upper

77 100

123 0.0 34.1 51.1#

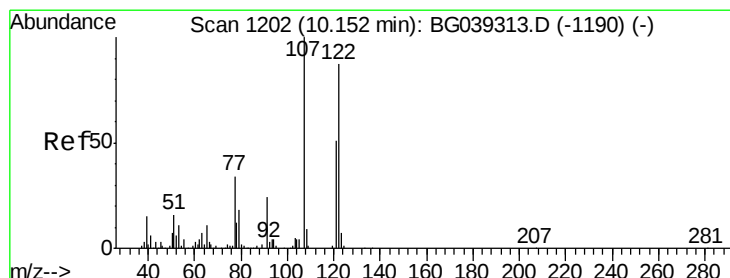
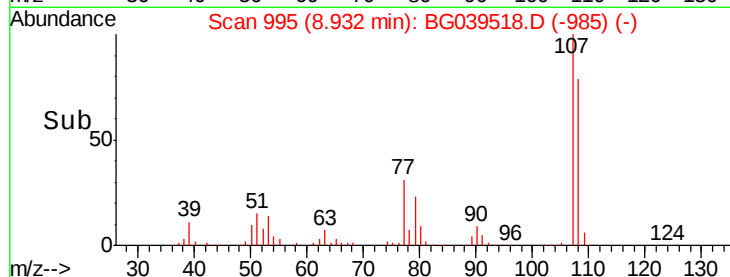
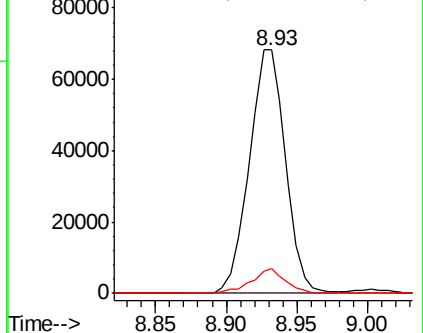
65 10.3 12.3 18.5#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#27

2,4-Dimethylphenol

Concen: 87.572 ng

RT: 10.35 min Scan# 1236

Delta R.T. 0.20 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

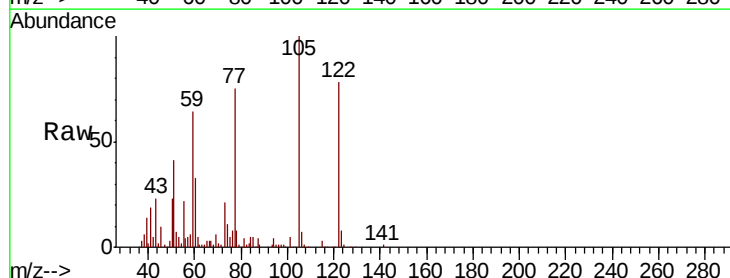
Tgt Ion: 122 Resp: 262682

Ion Ratio Lower Upper

122 100

107 1.0 91.7 137.5#

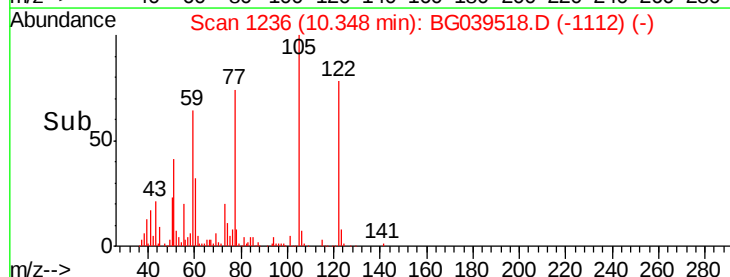
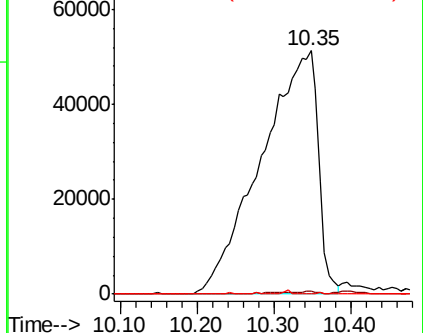
121 0.0 46.4 69.6#

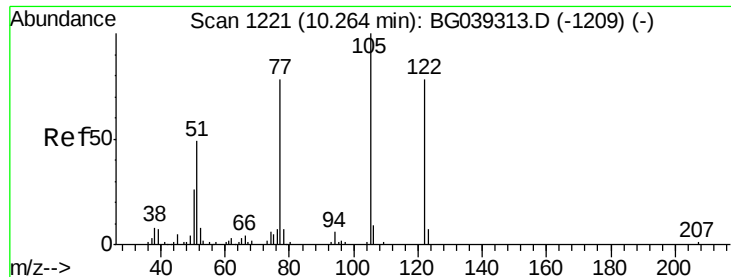


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 107.00 (106.70 to 107.70): BGC

Ion 121.00 (120.70 to 121.70): BGC





#32

Benzoic acid

Concen: 117.621 ng

RT: 10.35 min Scan# 1236

Delta R.T. 0.08 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

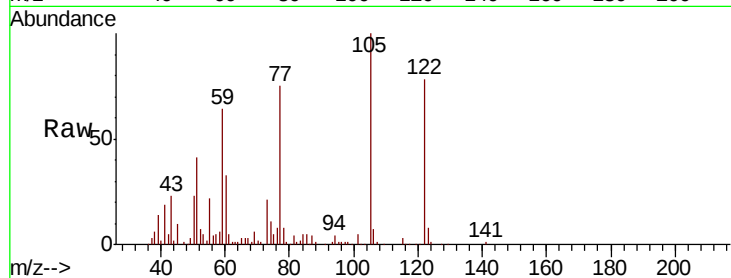
Tgt Ion:122 Resp: 262682

Ion Ratio Lower Upper

122 100

105 128.4 101.8 141.8

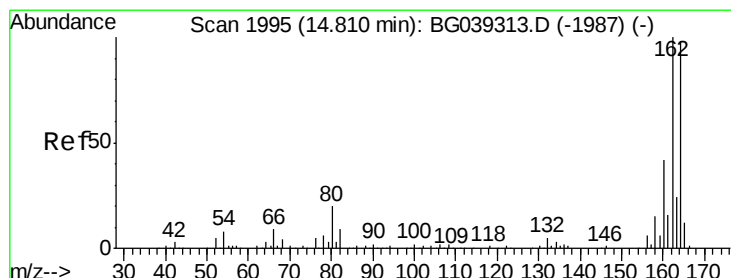
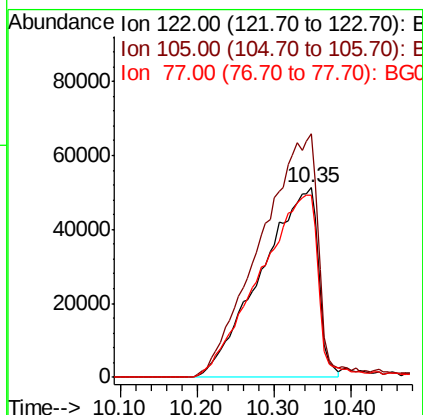
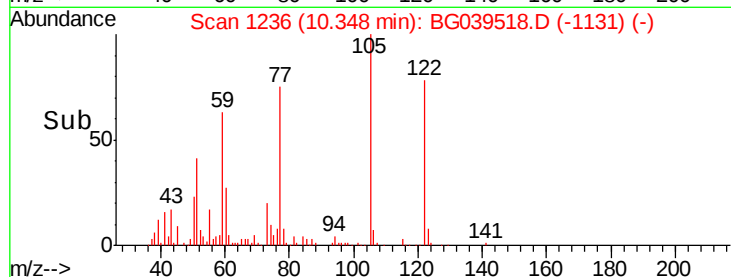
77 95.9 76.3 116.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

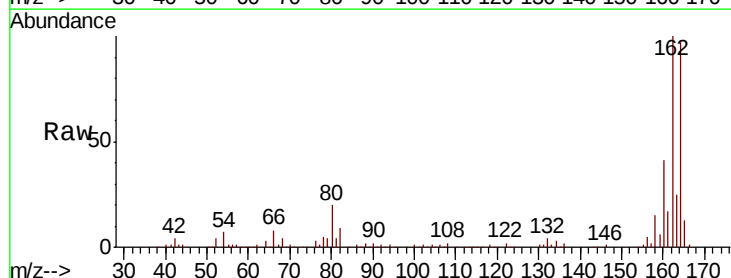
Tgt Ion:164 Resp: 148198

Ion Ratio Lower Upper

164 100

162 103.2 81.6 122.4

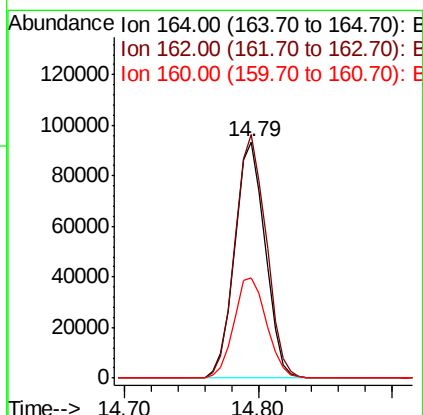
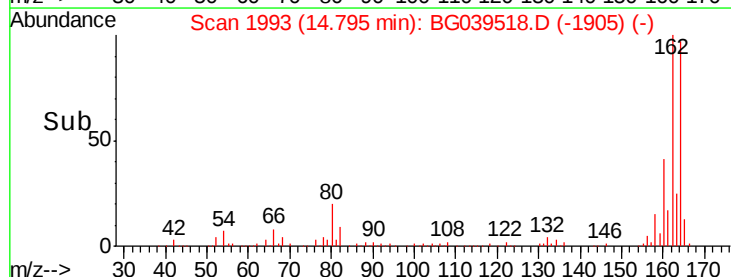
160 42.6 34.2 51.2

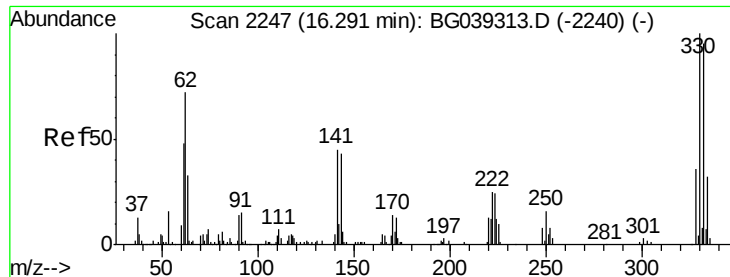


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 170.109 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

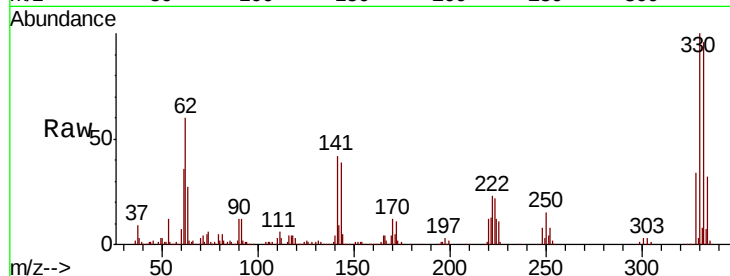
Tgt Ion:330 Resp: 271466

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

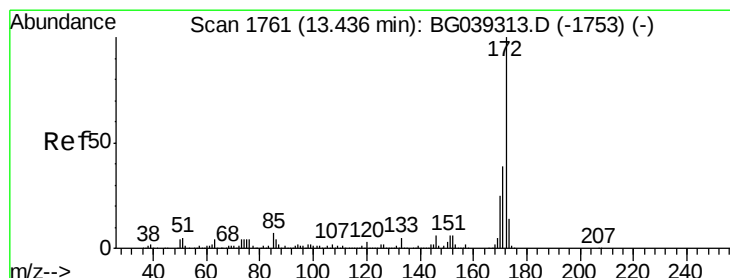
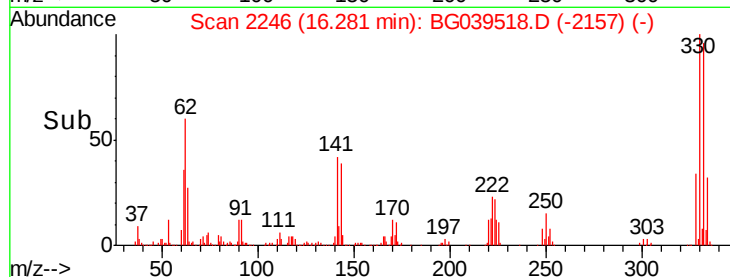
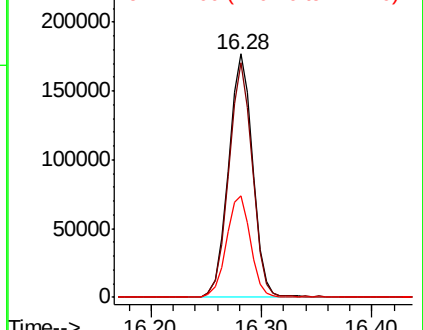
141 41.6 35.6 53.4



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: 92.120 ng

RT: 13.42 min Scan# 1759

Delta R.T. -0.02 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

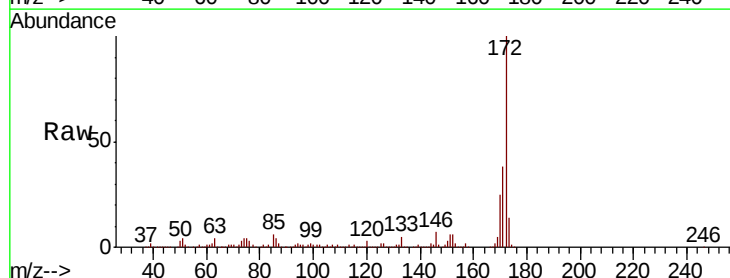
Tgt Ion:172 Resp: 951660

Ion Ratio Lower Upper

172 100

171 37.7 30.8 46.2

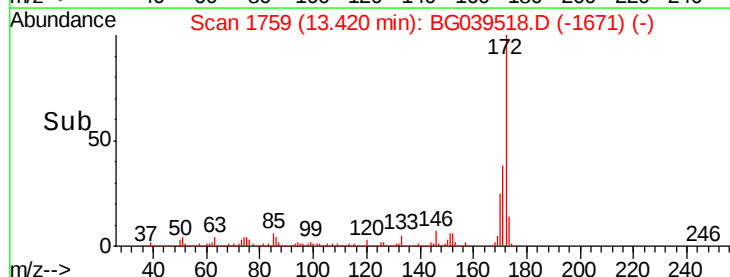
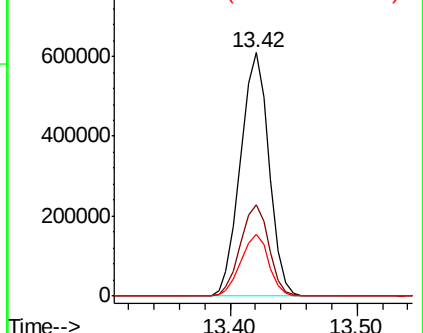
170 25.3 20.2 30.4

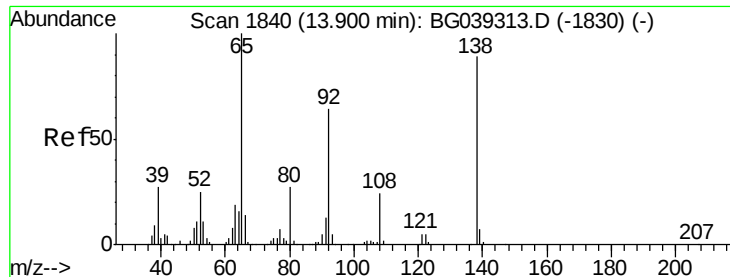


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.326 ng

RT: 13.89 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

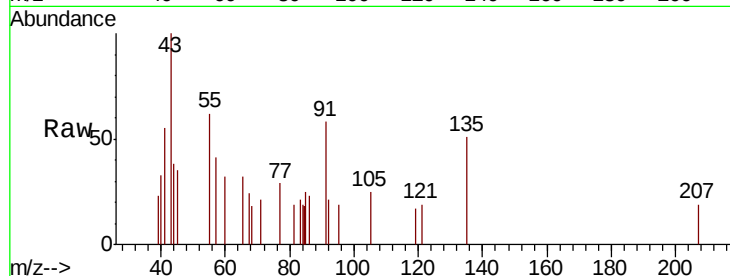
Tgt Ion: 65 Resp: 96

Ion Ratio Lower Upper

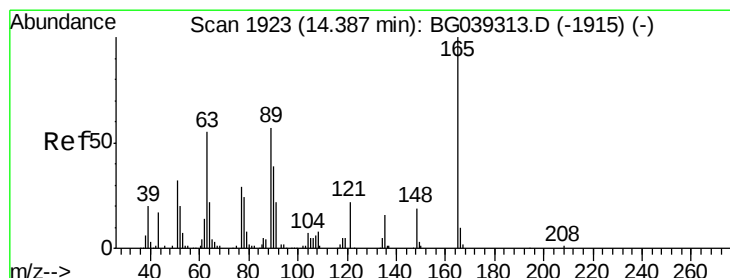
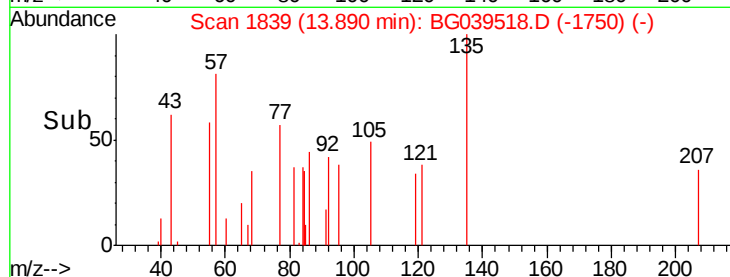
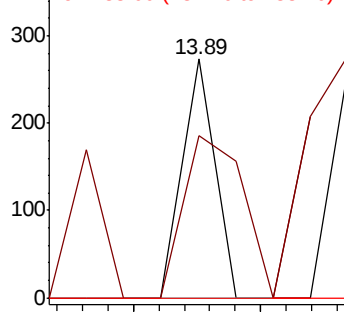
65 100

92 68.1 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): BGC



#51

2,6-Dinitrotoluene

Concen: 6.818 ng

RT: 14.29 min Scan# 1907

Delta R.T. -0.10 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

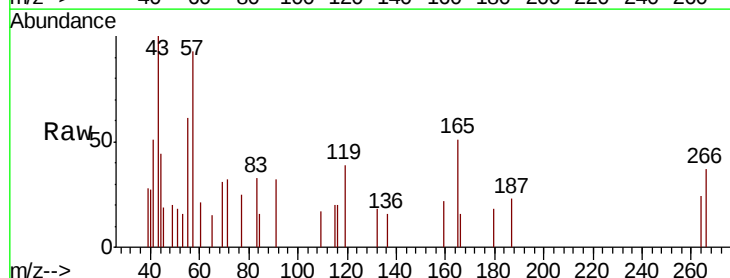
Tgt Ion: 165 Resp: 671

Ion Ratio Lower Upper

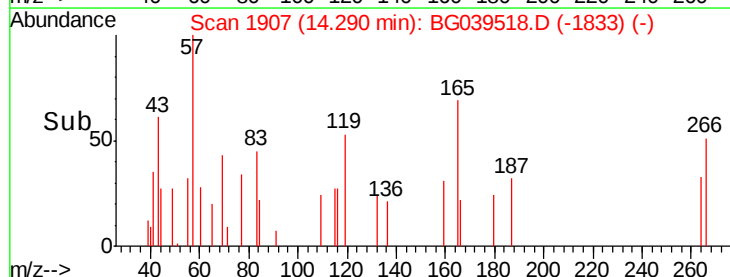
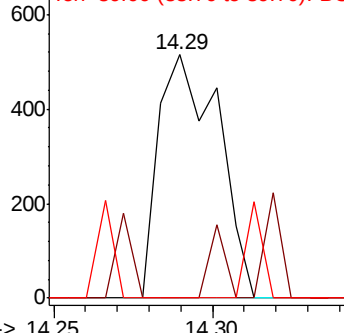
165 100

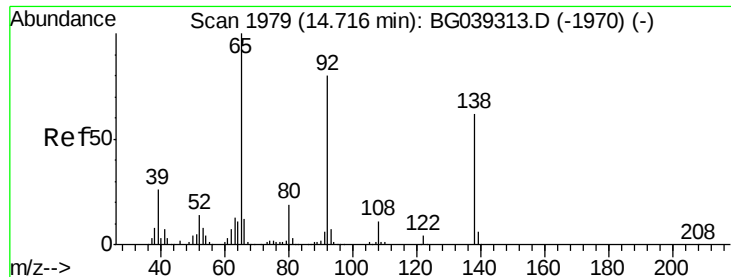
63 0.0 47.0 70.6#

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

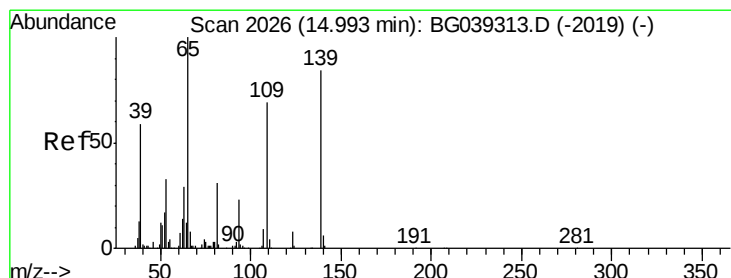
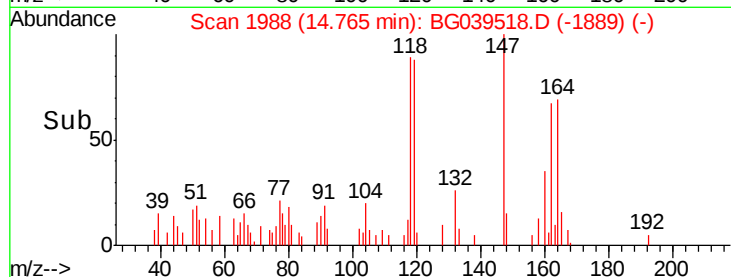
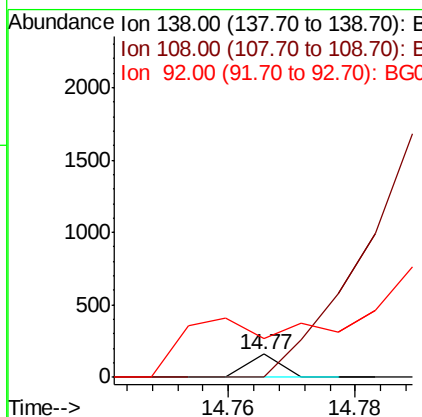
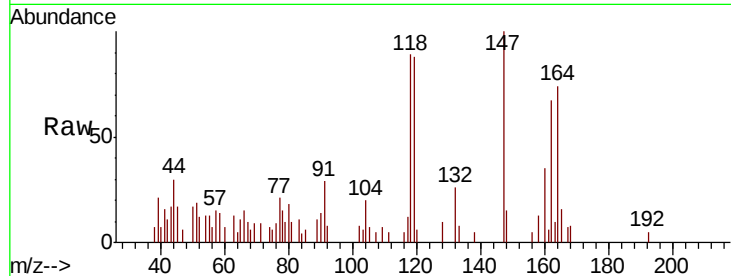




#53
3-Nitroaniline
Concen: 5.814 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.05 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

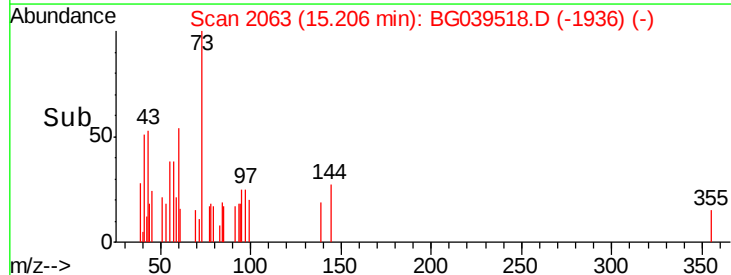
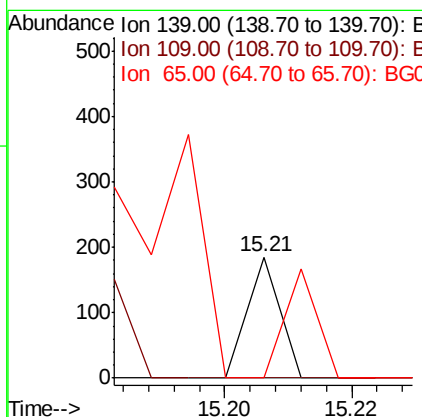
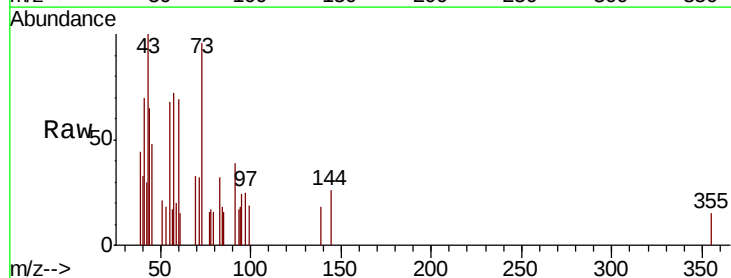
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR

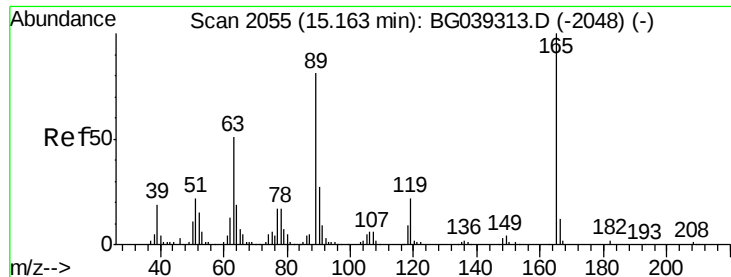
Tgt Ion:138 Resp: 57
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 167.3 103.7 155.5#



#56
4-Nitrophenol
Concen: 5.822 ng
RT: 15.21 min Scan# 2063
Delta R.T. 0.21 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

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

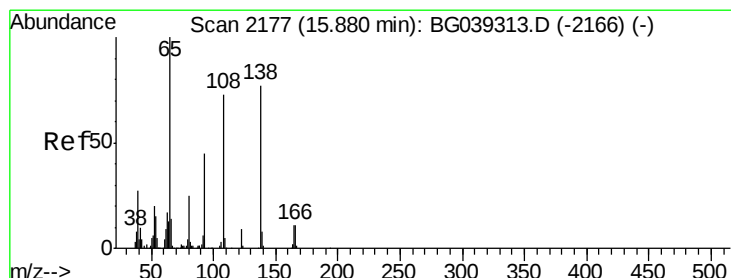
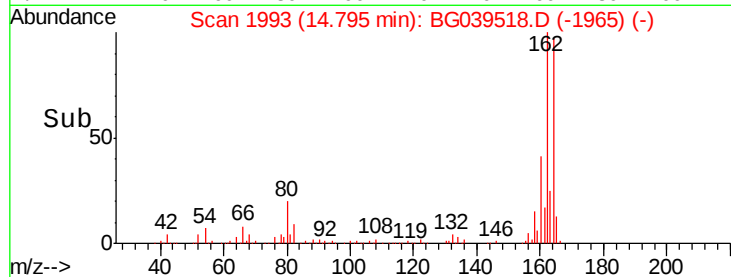
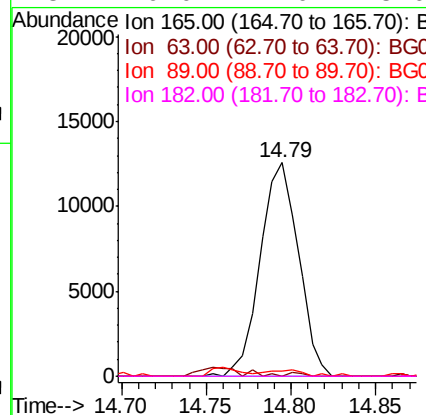
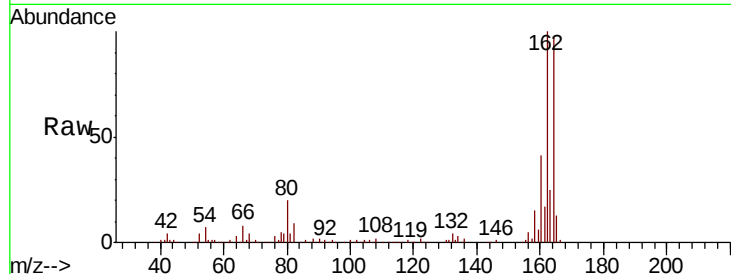




#57
 2,4-Dinitrotoluene
 Concen: 13.574 ng
 RT: 14.79 min Scan# 1993
 Delta R.T. -0.37 min
 Lab File: BG039518.D
 Acq: 14 Feb 2019 22:36

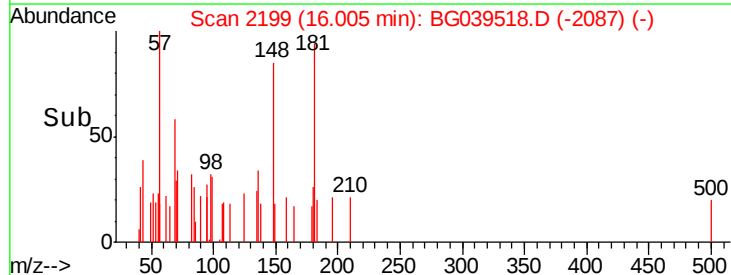
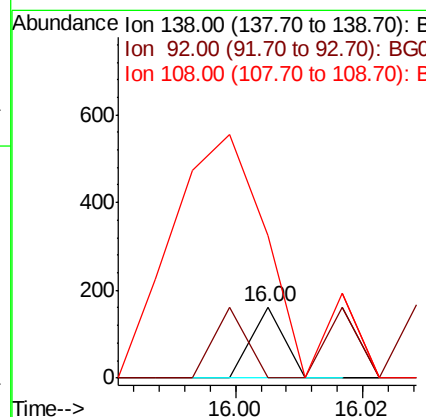
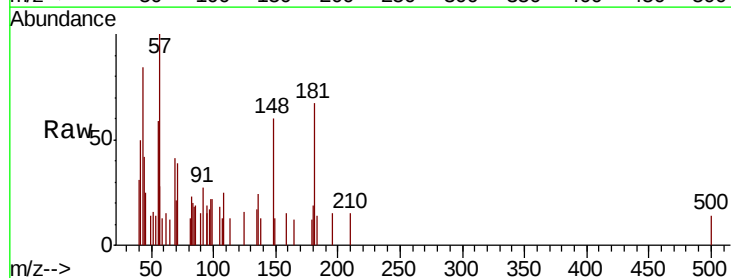
Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPARATOR

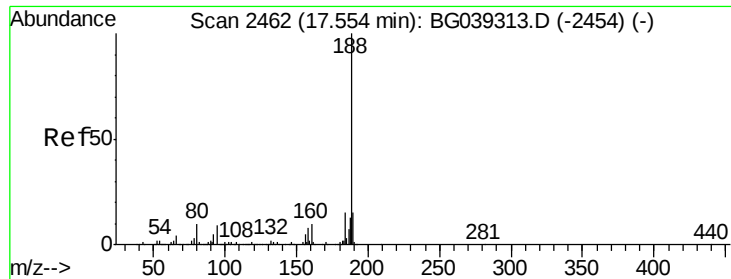
Tgt Ion:	165	Resp:	19680
Ion Ratio	Lower	Upper	
165	100		
63	0.0	41.0	61.6#
89	2.3	64.6	96.8#
182	0.0	2.0	3.0#



#62
 4-Nitroaniline
 Concen: 4.223 ng
 RT: 16.00 min Scan# 2199
 Delta R.T. 0.13 min
 Lab File: BG039518.D
 Acq: 14 Feb 2019 22:36

Tgt Ion:	138	Resp:	57
Ion Ratio	Lower	Upper	
138	100		
92	0.0	38.7	78.7#
108	201.2	74.6	114.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.02 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

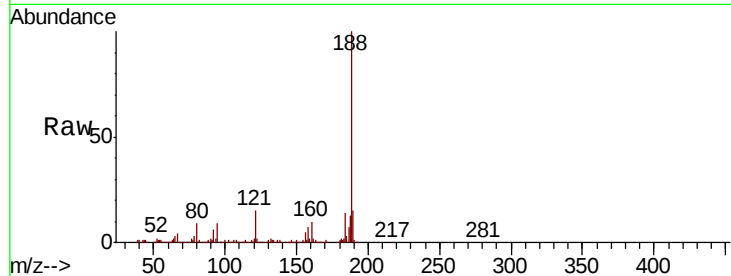
Tgt Ion:188 Resp: 347477

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

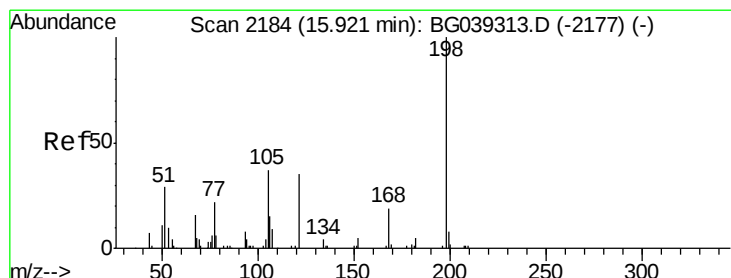
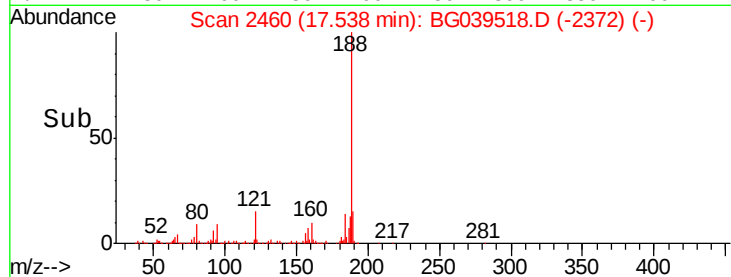
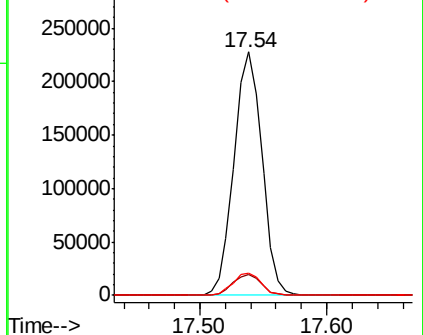
80 8.9 8.1 12.1



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: 5.219 ng

RT: 16.29 min Scan# 2247

Delta R.T. 0.37 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

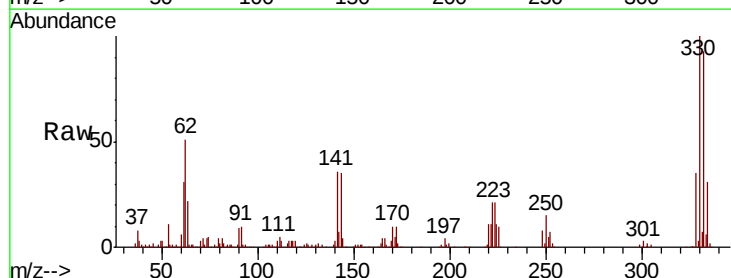
Tgt Ion:198 Resp: 1132

Ion Ratio Lower Upper

198 100

51 80.7 27.4 67.4#

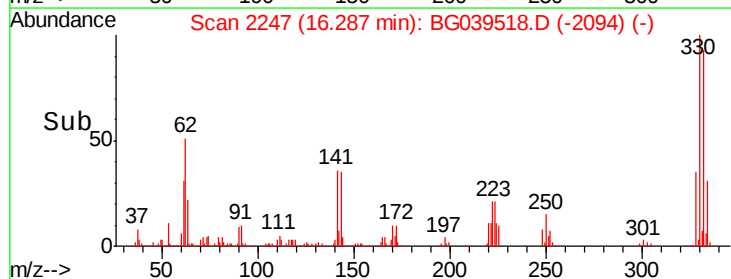
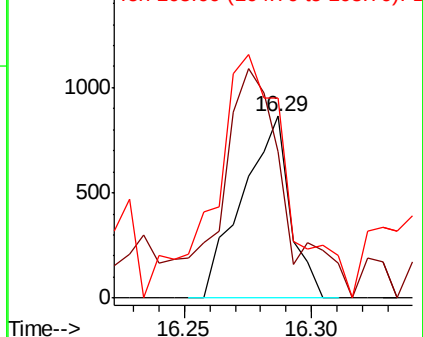
105 109.7 19.7 59.7#

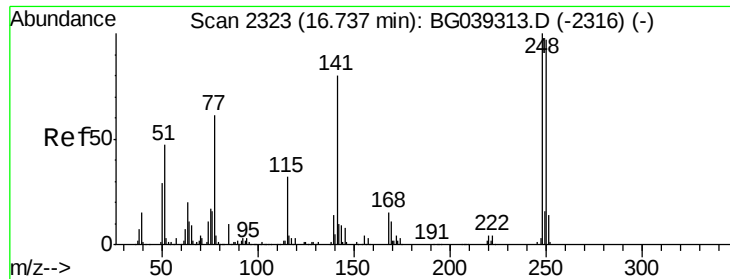


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

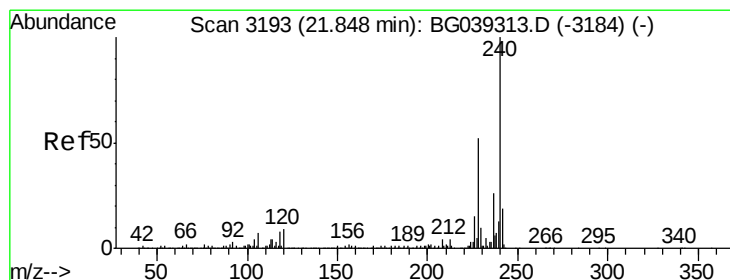
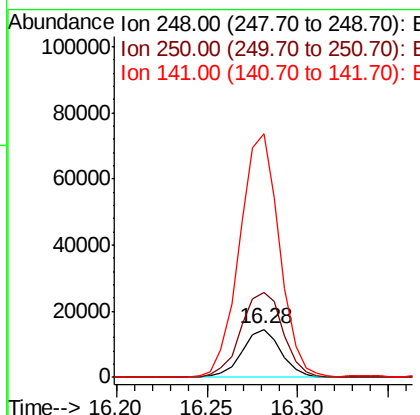
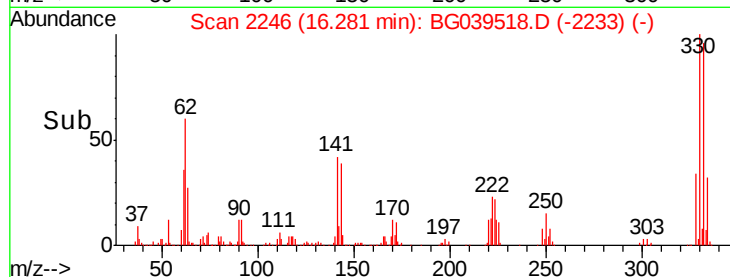
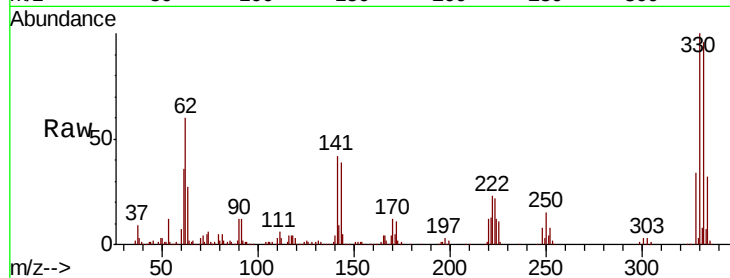




#67
4-Bromophenyl-phenylether
Concen: 5.590 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.46 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

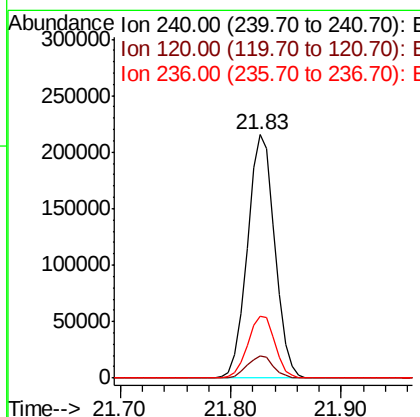
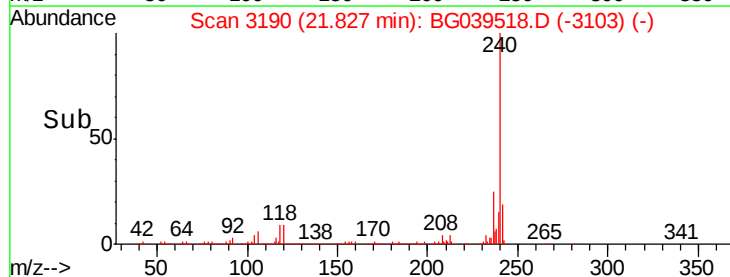
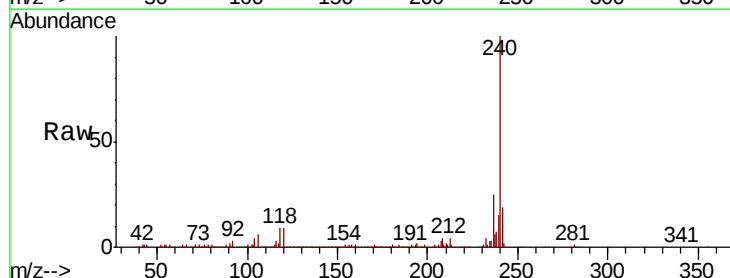
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR

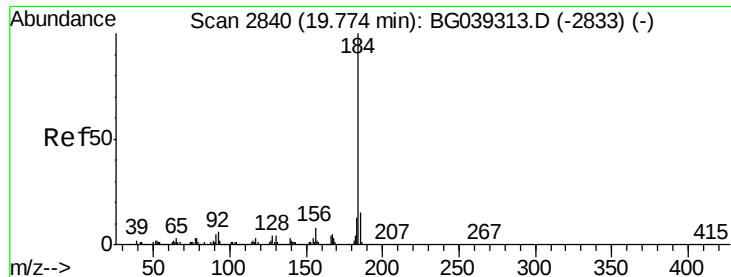
Tgt Ion:248 Resp: 21548
Ion Ratio Lower Upper
248 100
250 176.4 77.6 116.4#
141 505.6 63.9 95.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

Tgt Ion:240 Resp: 373651
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.2 21.0 31.4





#77

Benzidine

Concen: 2.247 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.35 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR

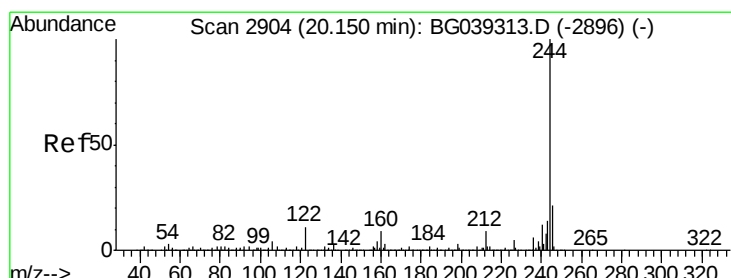
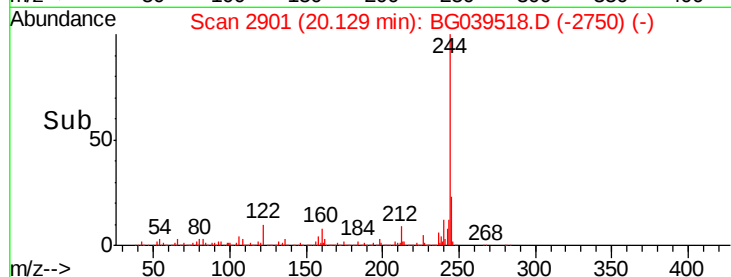
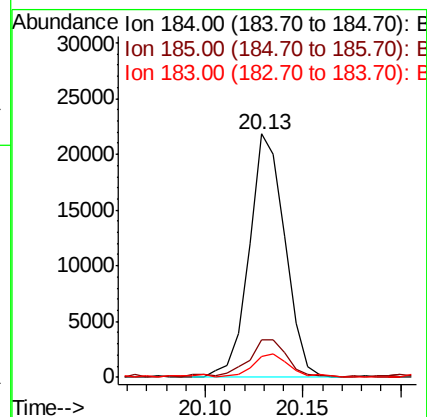
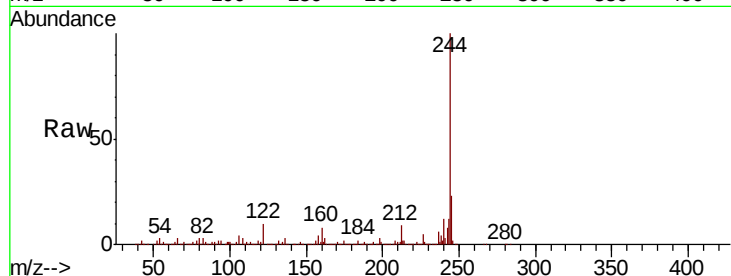
Tgt Ion:184 Resp: 27527

Ion Ratio Lower Upper

184 100

185 15.3 12.2 18.2

183 8.6 10.6 15.8#



#79

Terphenyl-d14

Concen: 81.984 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039518.D

Acq: 14 Feb 2019 22:36

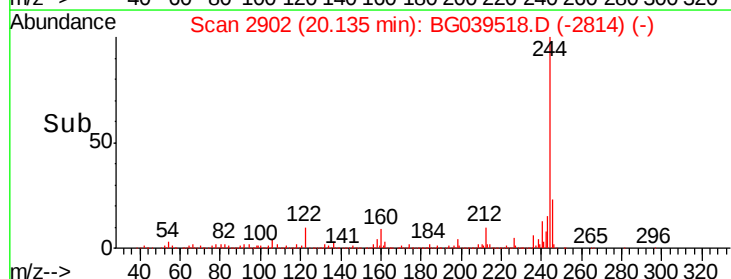
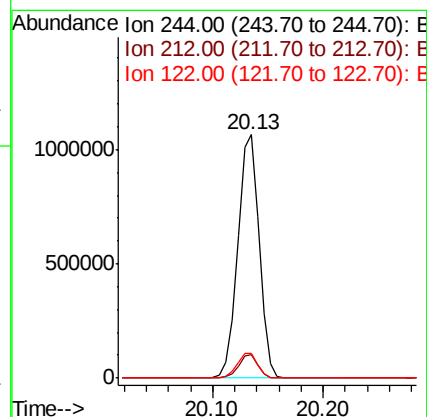
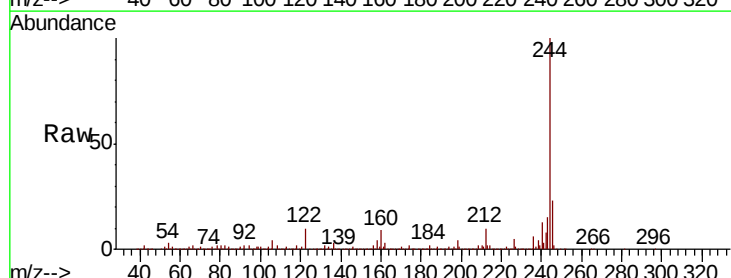
Tgt Ion:244 Resp: 1447236

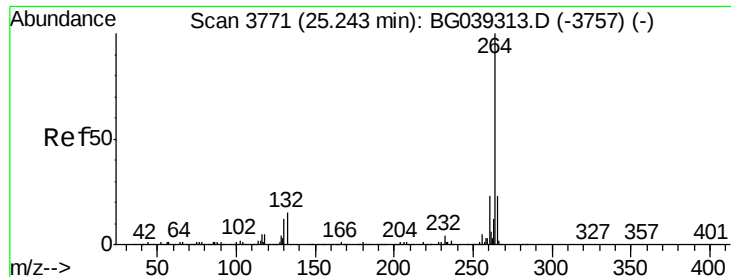
Ion Ratio Lower Upper

244 100

212 9.8 7.3 10.9

122 9.9 8.4 12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.21 min Scan# 3766
Delta R.T. -0.03 min
Lab File: BG039518.D
Acq: 14 Feb 2019 22:36

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATOR

Tgt Ion:	264	Resp:	382373
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.4
265	20.9	18.5	27.7

