

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021419\
 Data File : BG039519.D
 Acq On : 14 Feb 2019 23:15
 Operator : JU/SJ
 Sample : K1480-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATOR-3

Quant Time: Feb 15 03:13:06 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	45894	20.00	ng	-0.01
21) Naphthalene-d8	11.00	136	219121	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	144282	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	346349	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	373207	20.00	ng	-0.02
87) Perylene-d12	25.21	264	383260	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.72	112	393643	146.80	ng	0.00
7) Phenol-d6	7.32	99	516613	130.88	ng	0.00
23) Nitrobenzene-d5	9.35	82	381993	108.91	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	220825	142.13	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	928531	92.32	ng	-0.01
79) Terphenyl-d14	20.13	244	1493211	84.69	ng	-0.02

Target Compounds

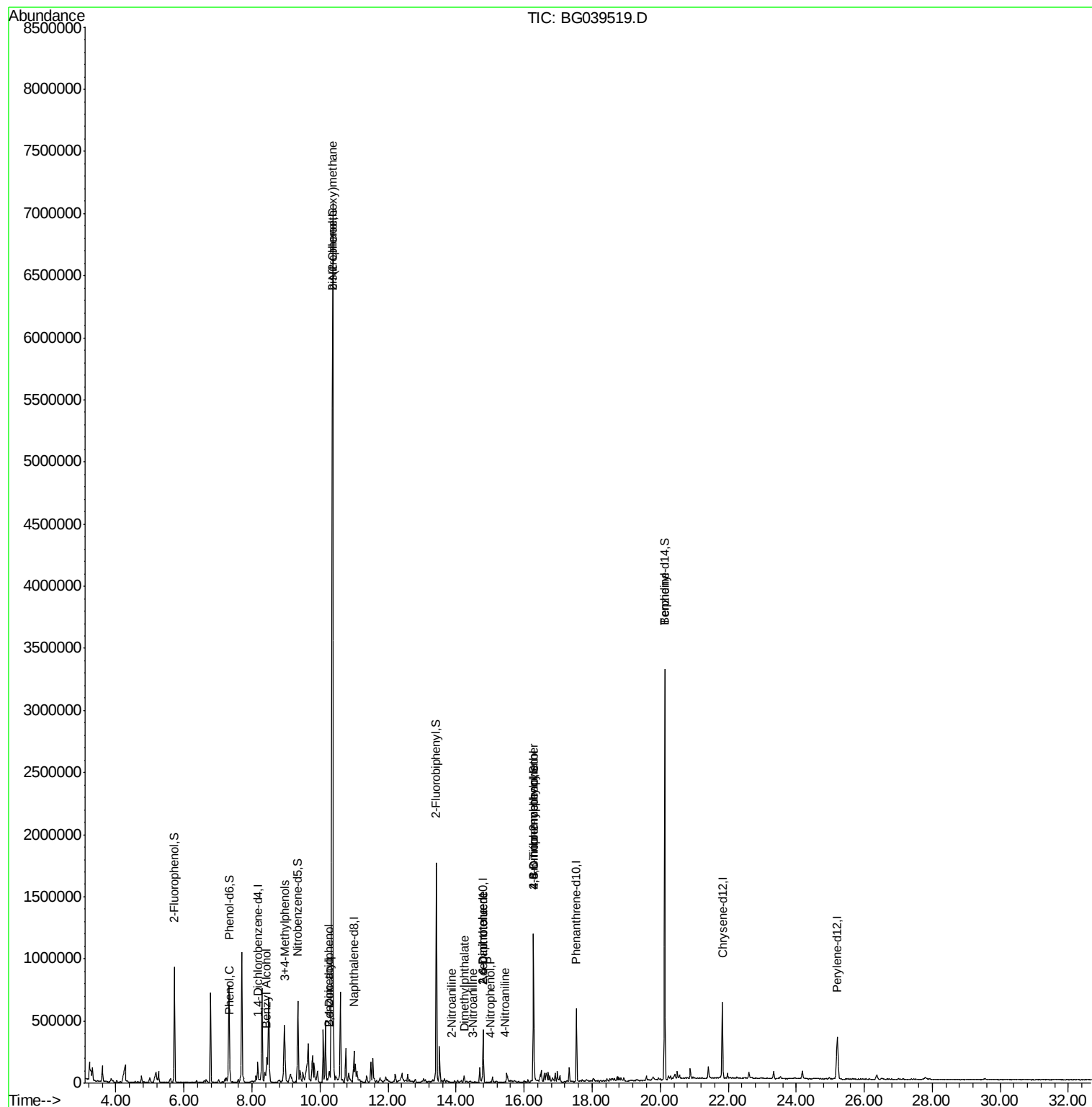
						Qvalue
9) Benzaldehyde	7.31	77	1958	Below Cal	#	44
10) Phenol	7.35	94	11011	2.676 ng		83
15) Benzyl Alcohol	8.41	79	9408	3.036 ng		94
20) 3+4-Methylphenols	8.95	107	135824	37.044 ng		91
26) 2-Nitrophenol	10.37	139	9450	11.274 ng	#	1
27) 2,4-Dimethylphenol	10.27	122	33179	10.552 ng	#	4
28) bis(2-Chloroethoxy)methane	10.37	93	44300	9.253 ng	#	1
32) Benzoic acid	10.27	122	33179	22.107 ng		99
48) 2-Nitroaniline	13.86	65	109	8.331 ng	#	10
50) Dimethylphthalate	14.24	163	28460	2.442 ng		99
51) 2,6-Dinitrotoluene	14.80	165	19467	14.276 ng	#	23
53) 3-Nitroaniline	14.48	138	83	5.824 ng	#	1
56) 4-Nitrophenol	15.00	139	80	5.829 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	19467	13.666 ng	#	19
62) 4-Nitroaniline	15.44	138	56	4.223 ng	#	1
65) 4,6-Dinitro-2-methylphenol	16.28	198	894	5.003 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	16196	4.215 ng	#	1
77) Benzidine	20.13	184	26313	2.150 ng		98

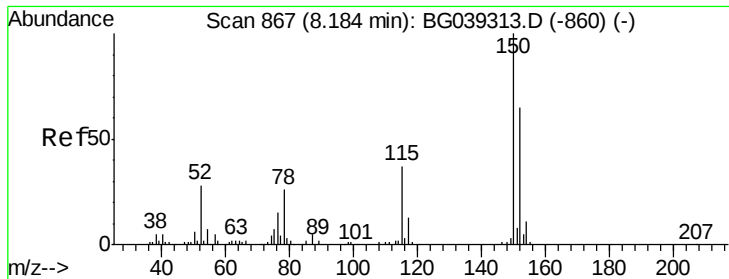
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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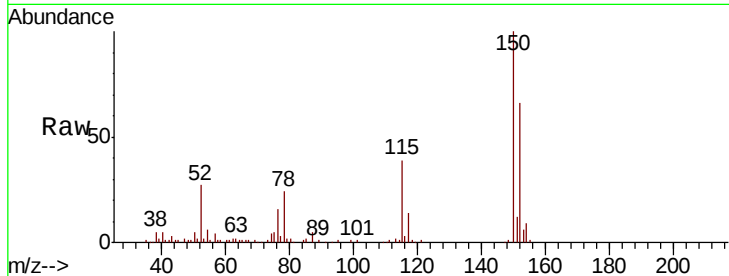


#1

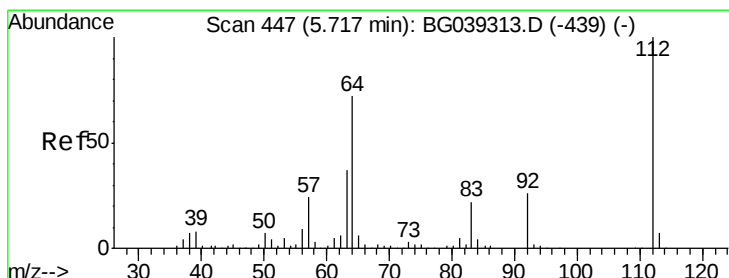
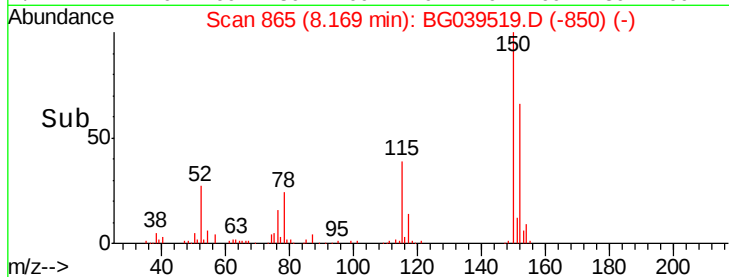
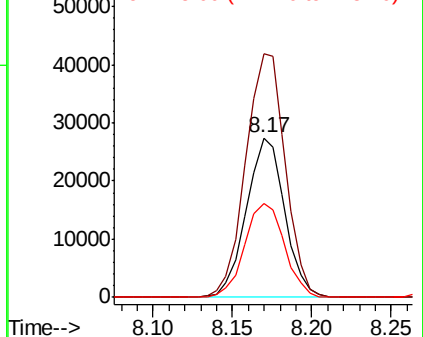
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR-3

Tgt Ion:152 Resp: 45894
Ion Ratio Lower Upper
152 100
150 152.5 123.7 185.5
115 58.8 45.9 68.9



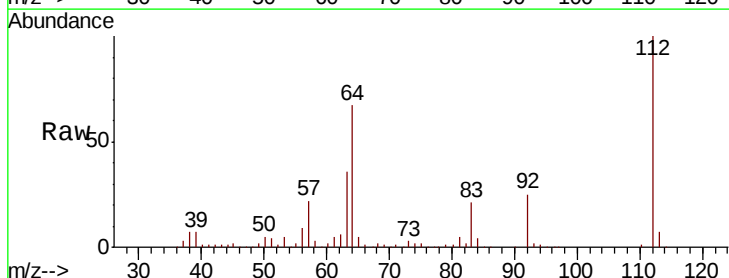
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



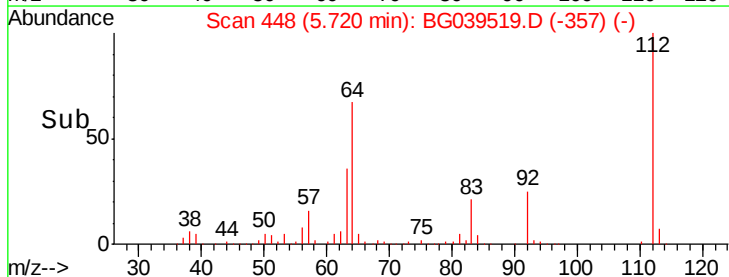
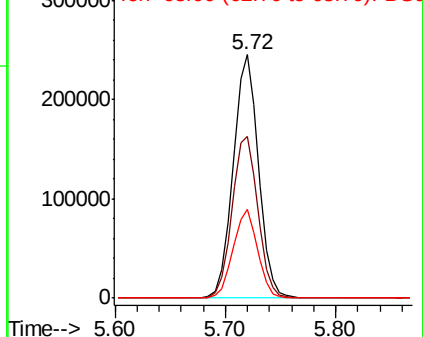
#5

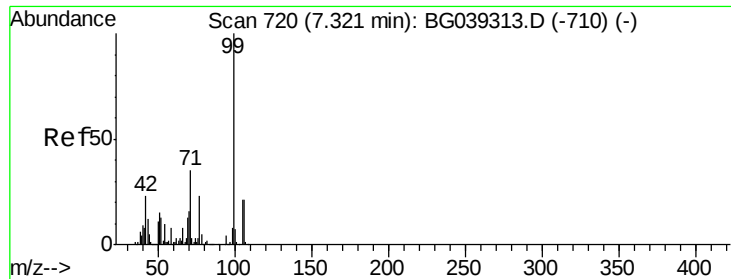
2-Fluorophenol
Concen: 146.800 ng
RT: 5.72 min Scan# 448
Delta R.T. 0.00 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion:112 Resp: 393643
Ion Ratio Lower Upper
112 100
64 66.6 57.8 86.8
63 36.2 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: 130.885 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-3

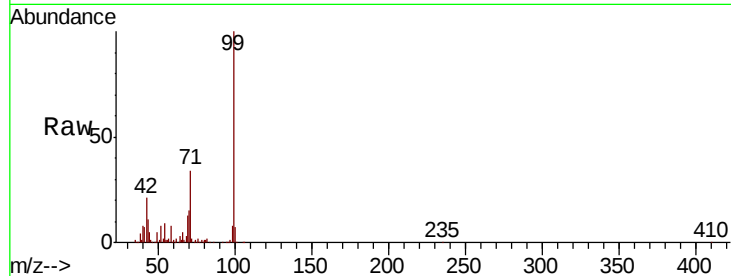
Tgt Ion: 99 Resp: 516613

Ion Ratio Lower Upper

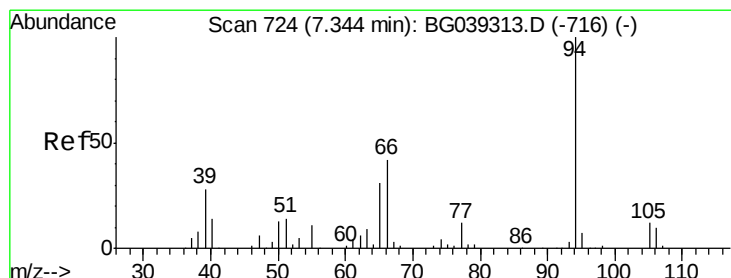
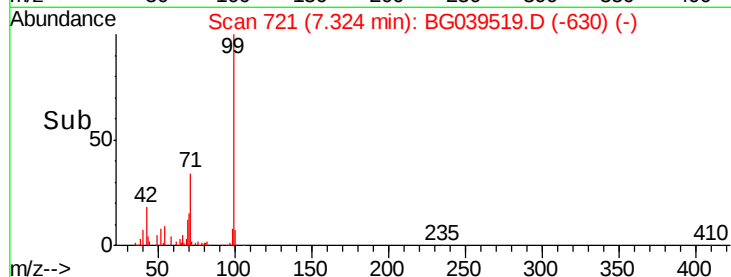
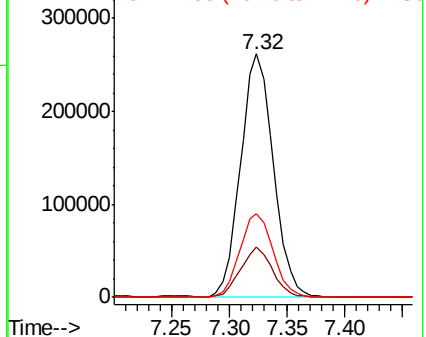
99 100

42 20.9 18.2 27.2

71 34.4 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: 2.676 ng

RT: 7.35 min Scan# 726

Delta R.T. 0.01 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

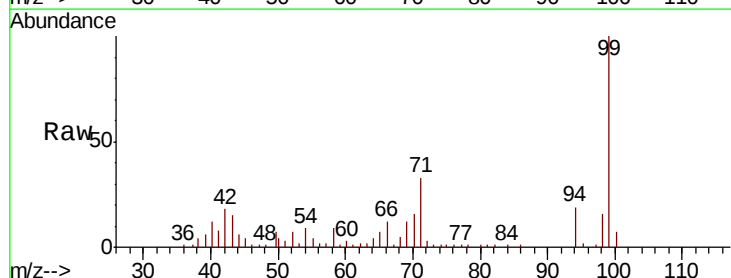
Tgt Ion: 94 Resp: 11011

Ion Ratio Lower Upper

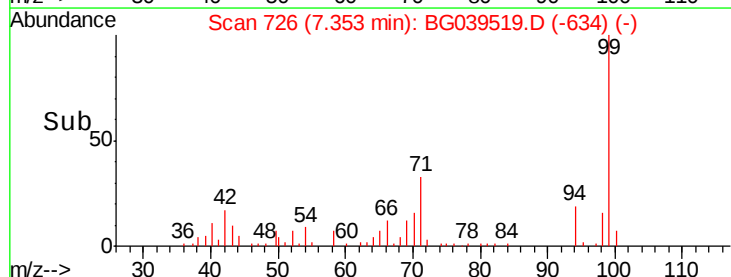
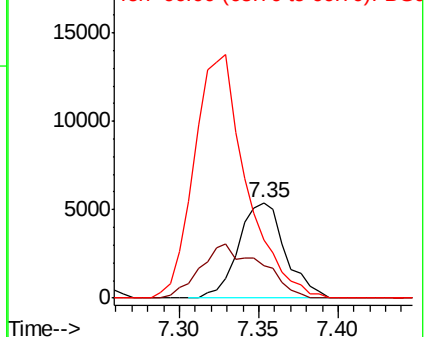
94 100

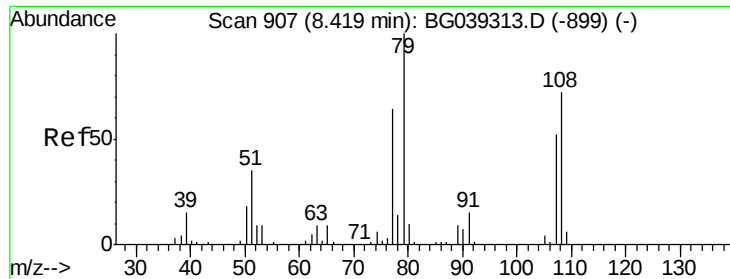
65 34.5 11.7 51.7

66 60.0 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





#15

Benzyl Alcohol

Concen: 3.036 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

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OIL-WATER-SEPARATOR-3

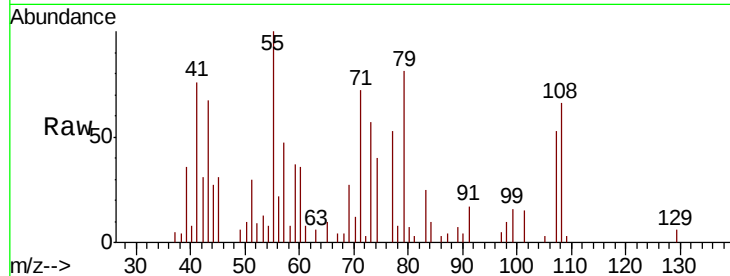
Tgt Ion: 79 Resp: 9408

Ion Ratio Lower Upper

79 100

108 80.8 57.8 86.6

77 65.0 51.1 76.7

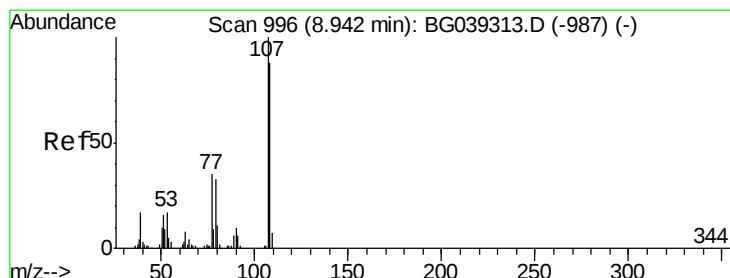
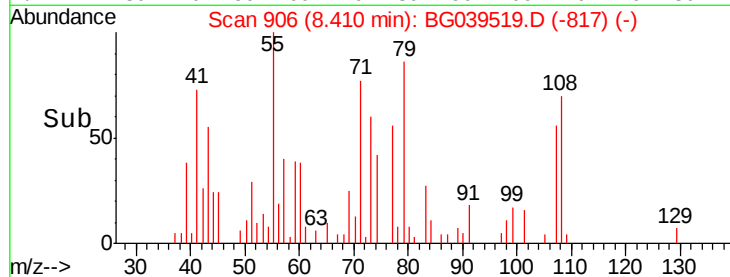
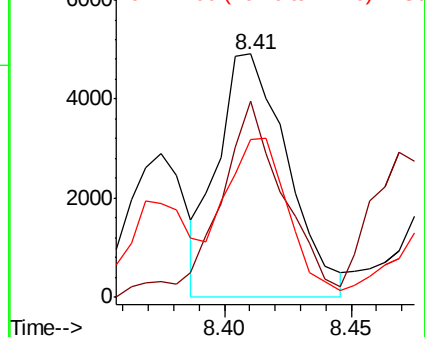


Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#20

3+4-Methylphenols

Concen: 37.044 ng

RT: 8.95 min Scan# 998

Delta R.T. 0.01 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Tgt Ion: 107 Resp: 135824

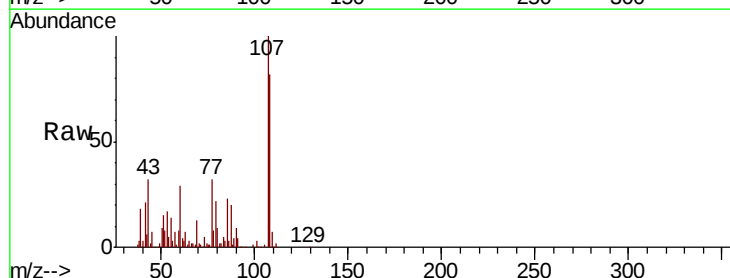
Ion Ratio Lower Upper

107 100

108 82.4 67.9 107.9

77 32.3 15.4 55.4

79 22.5 13.7 53.7



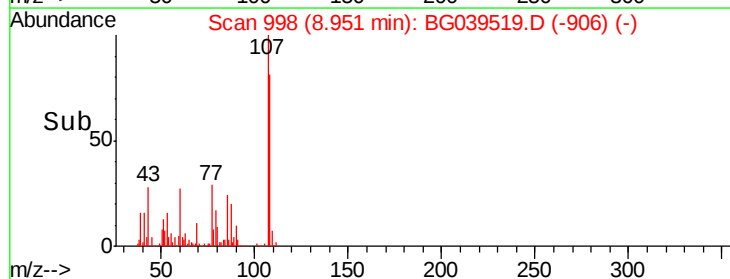
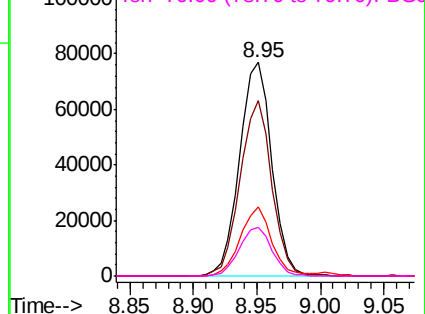
Abundance

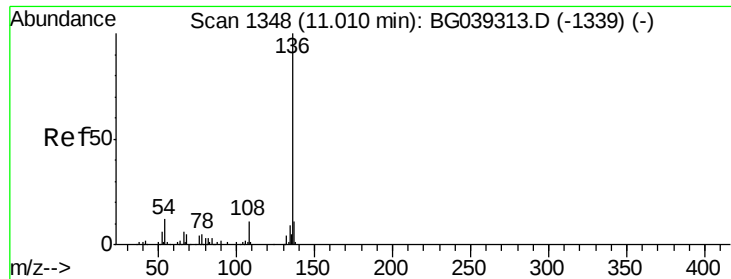
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

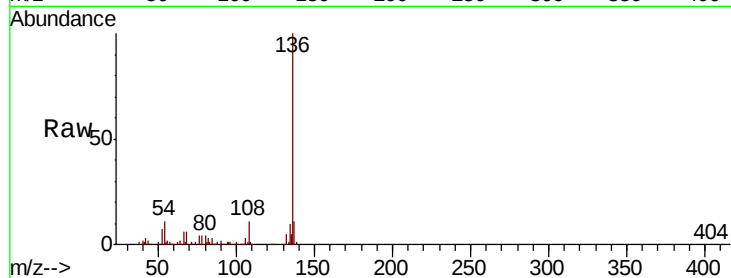




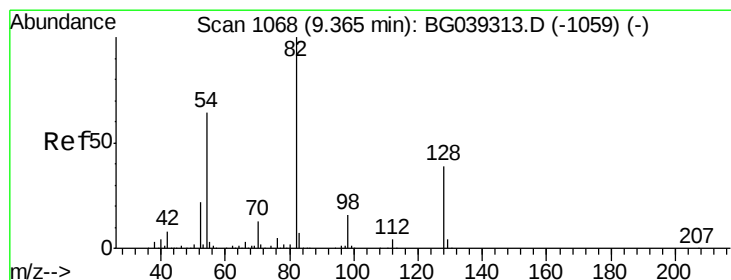
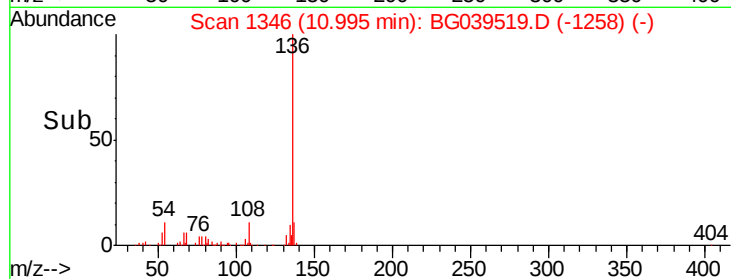
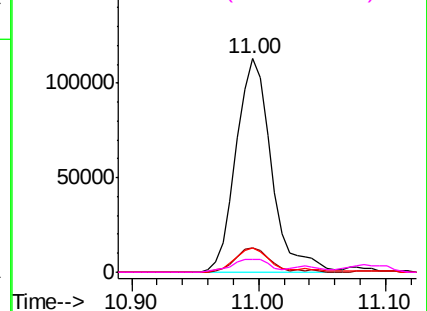
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATOR-3

Tgt Ion:	136	Resp:	219121
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	11.3	9.4	14.2
68	6.0	4.2	6.4

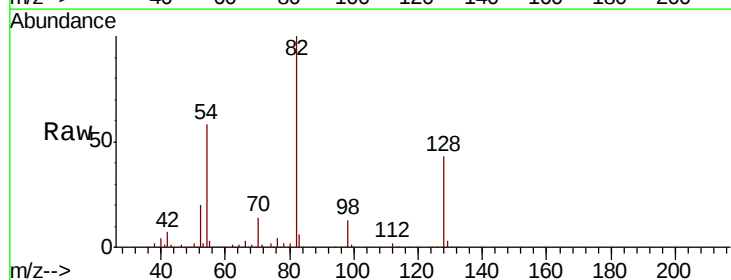


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BGO
Ion 68.00 (67.70 to 68.70): BGO

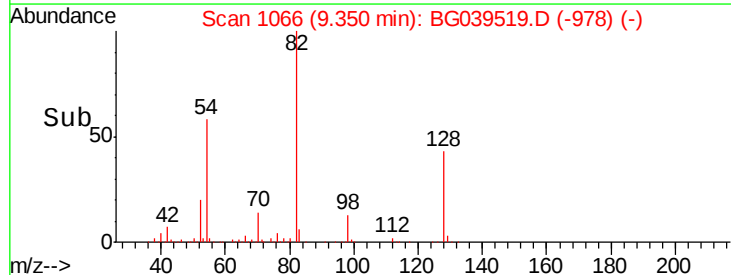
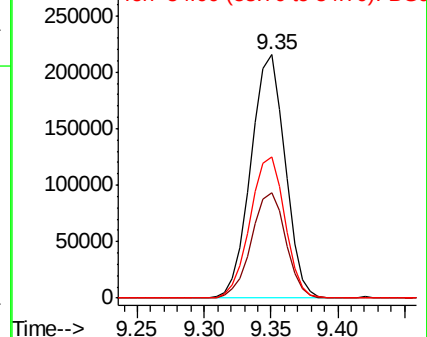


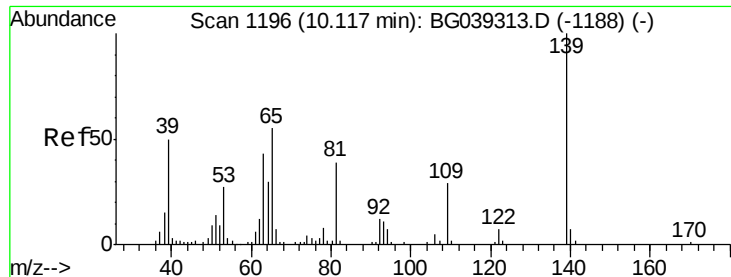
#23
Nitrobenzene-d5
Concen: 108.907 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion:	82	Resp:	381993
Ion	Ratio	Lower	Upper
82	100		
128	43.1	31.3	46.9
54	58.2	50.9	76.3



Abundance Ion 82.00 (81.70 to 82.70): BGO
Ion 128.00 (127.70 to 128.70): BGO
Ion 54.00 (53.70 to 54.70): BGO

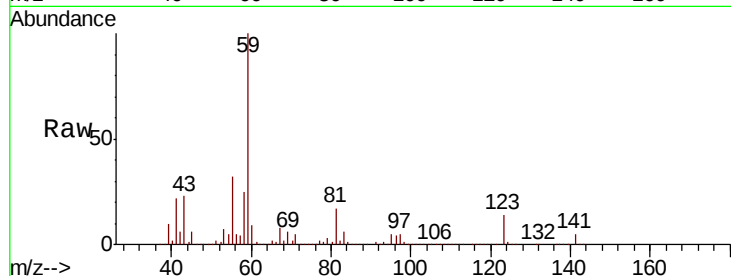




#26
 2-Nitrophenol
 Concen: 11.274 ng
 RT: 10.37 min Scan# 1240
 Delta R.T. 0.26 min
 Lab File: BG039519.D
 Acq: 14 Feb 2019 23:15

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPARATOR-3

Tgt Ion	Ratio	Lower	Upper
139	100		
109	138.8	23.4	35.0#
65	860.9	44.3	66.5#

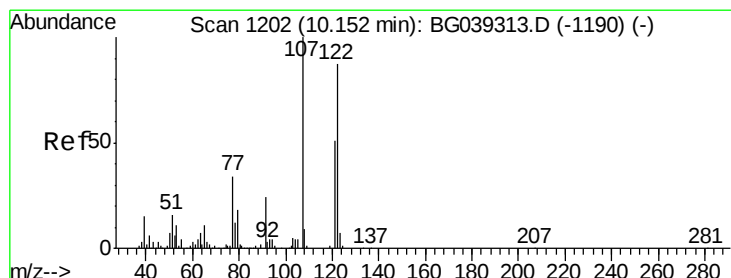
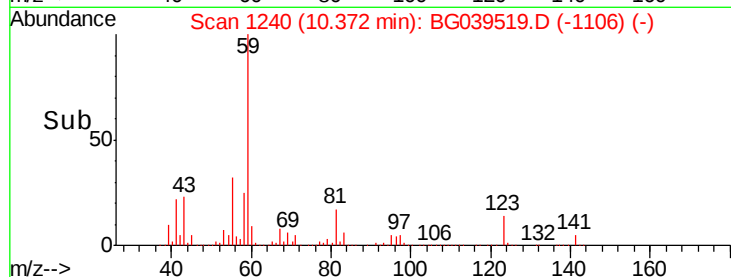
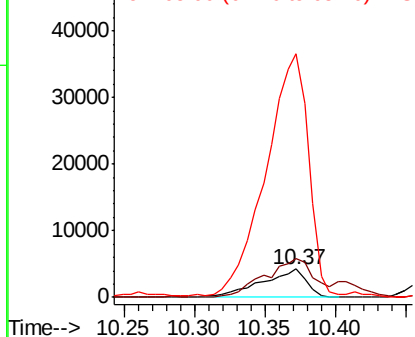


Abundance

Ion 139.00 (138.70 to 139.70): E

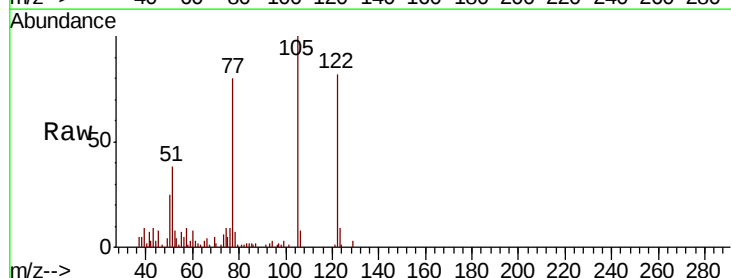
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#27
 2,4-Dimethylphenol
 Concen: 10.552 ng
 RT: 10.27 min Scan# 1223
 Delta R.T. 0.12 min
 Lab File: BG039519.D
 Acq: 14 Feb 2019 23:15

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	91.7	137.5#
121	1.1	46.4	69.6#

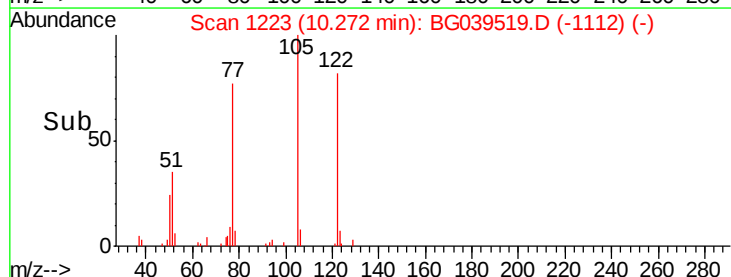
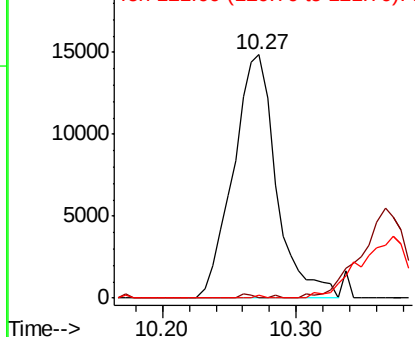


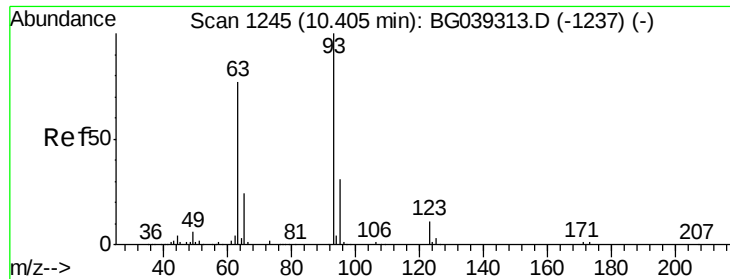
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

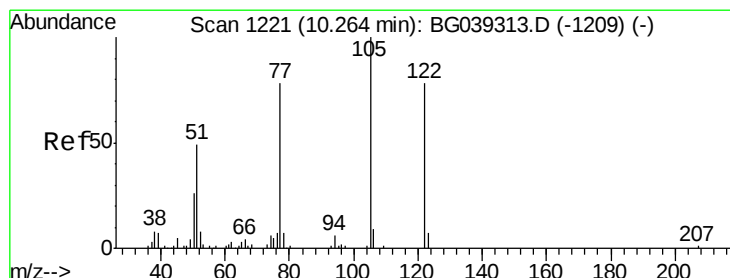
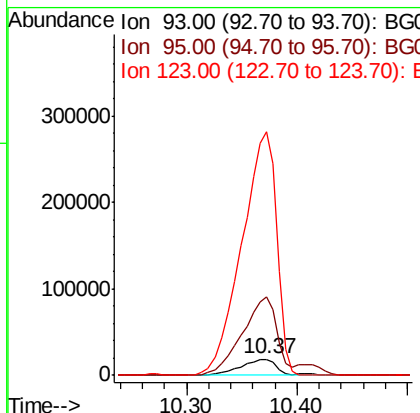
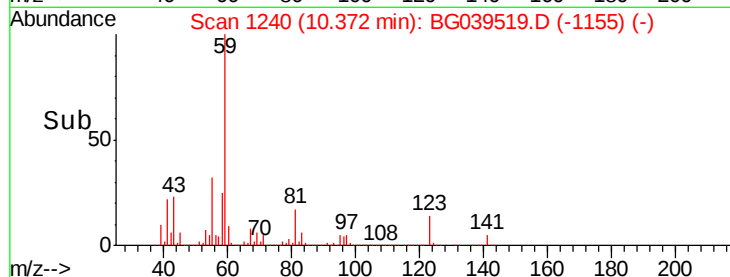
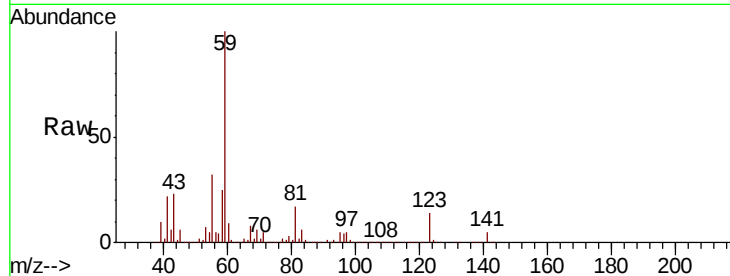




#28
bis(2-Chloroethoxy)methane
Concen: 9.253 ng
RT: 10.37 min Scan# 1240
Delta R.T. -0.03 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

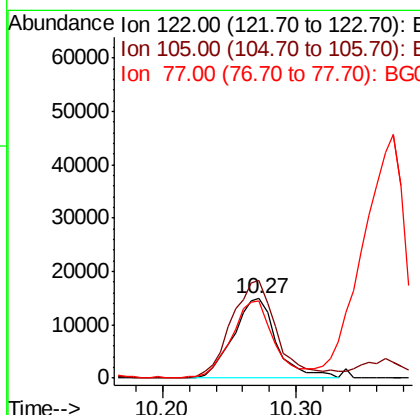
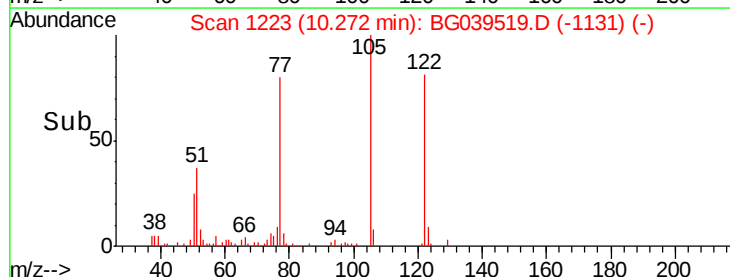
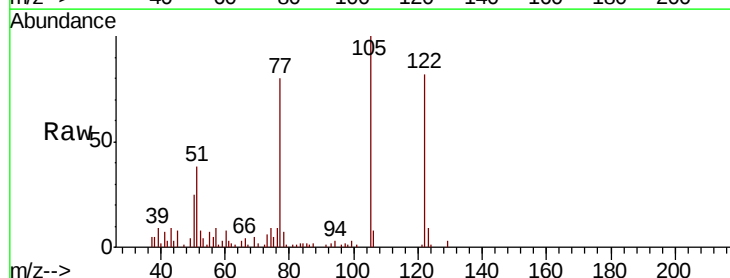
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR-3

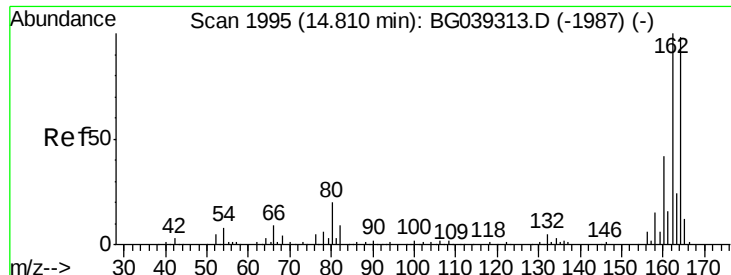
Tgt Ion: 93 Resp: 44300
Ion Ratio Lower Upper
93 100
95 477.6 25.0 37.4#
123 1492.5 8.6 12.8#



#32
Benzoic acid
Concen: 22.107 ng
RT: 10.27 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion: 122 Resp: 33179
Ion Ratio Lower Upper
122 100
105 122.5 101.8 141.8
77 97.8 76.3 116.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATOR-3

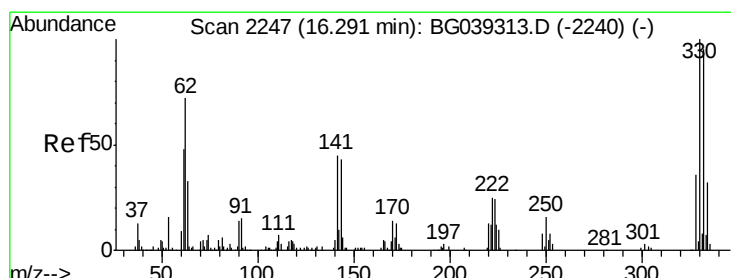
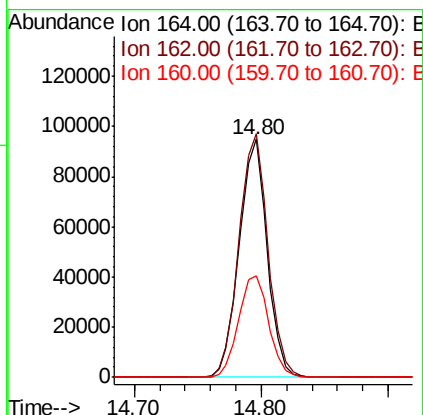
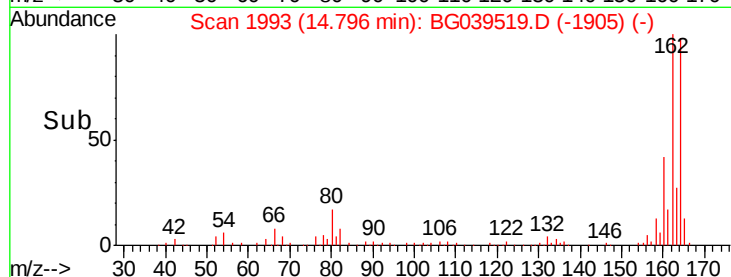
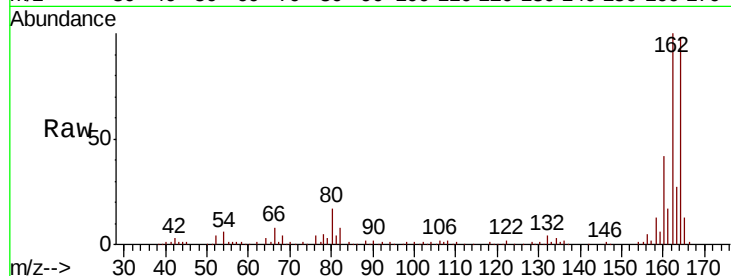
Tgt Ion:164 Resp: 144282

Ion Ratio Lower Upper

164 100

162 102.3 81.6 122.4

160 42.8 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 142.131 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

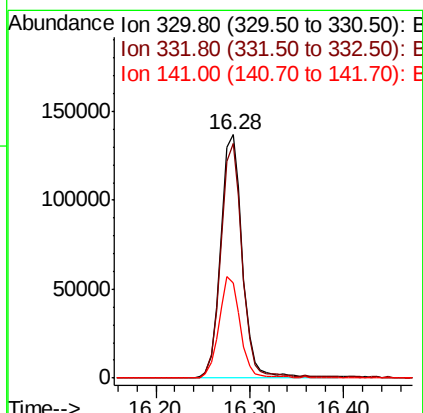
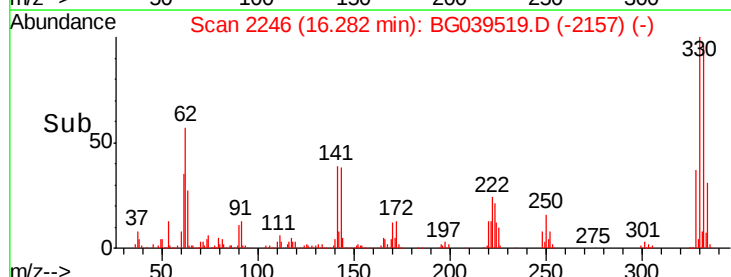
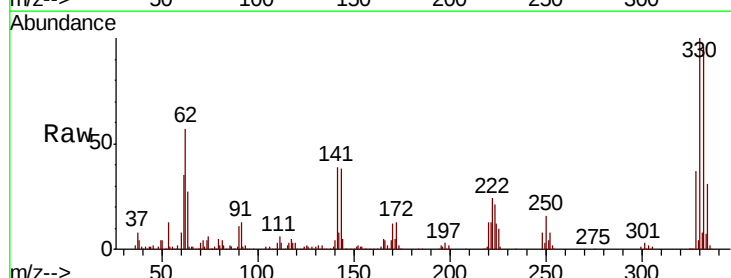
Tgt Ion:330 Resp: 220825

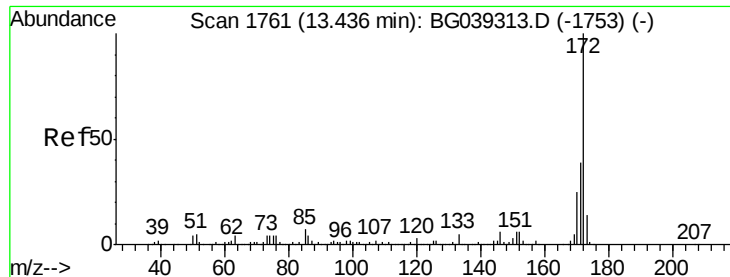
Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

141 40.6 35.6 53.4

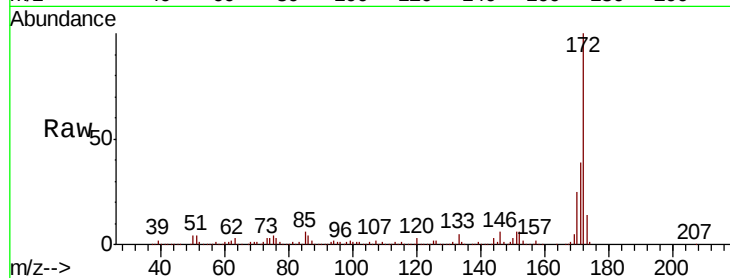




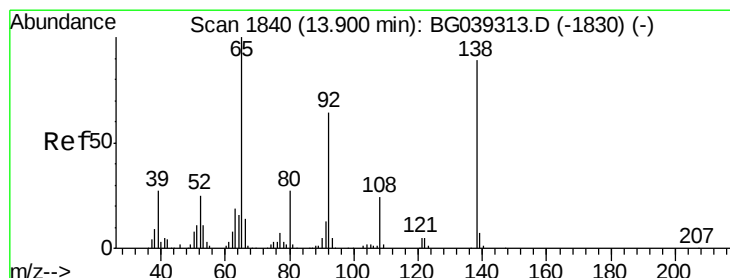
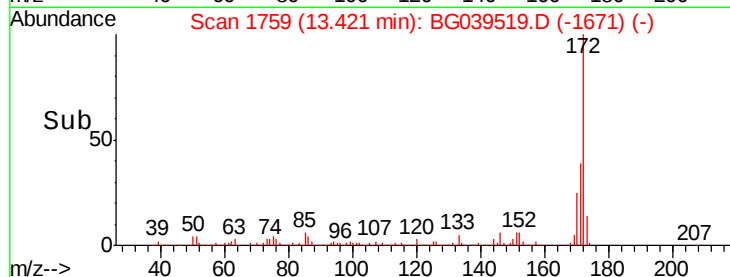
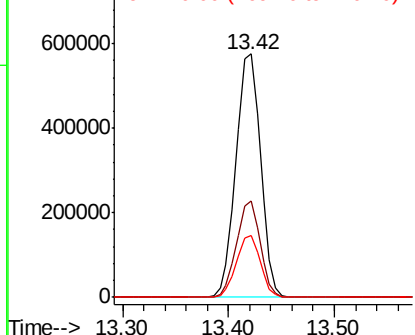
#45
2-Fluorobiphenyl
Concen: 92.321 ng
RT: 13.42 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATOR-3

Tgt Ion: 172 Resp: 928531
Ion Ratio Lower Upper
172 100
171 39.4 30.8 46.2
170 25.5 20.2 30.4

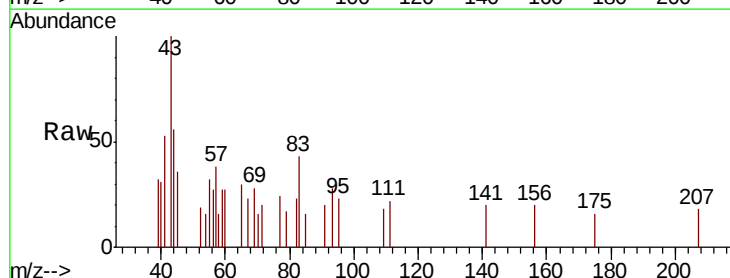


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

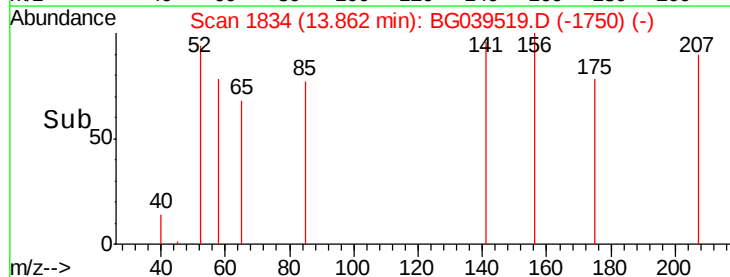
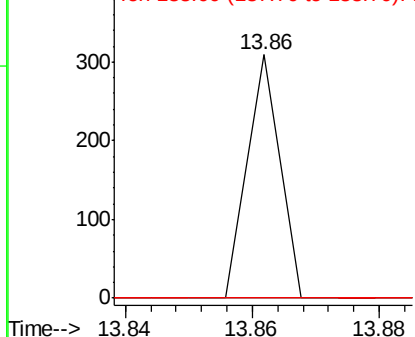


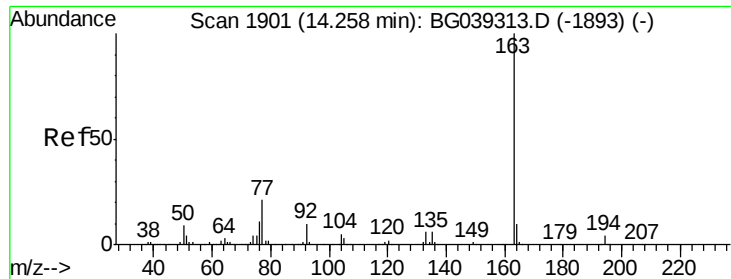
#48
2-Nitroaniline
Concen: 8.331 ng
RT: 13.86 min Scan# 1834
Delta R.T. -0.04 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion: 65 Resp: 109
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 2.442 ng

RT: 14.24 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-3

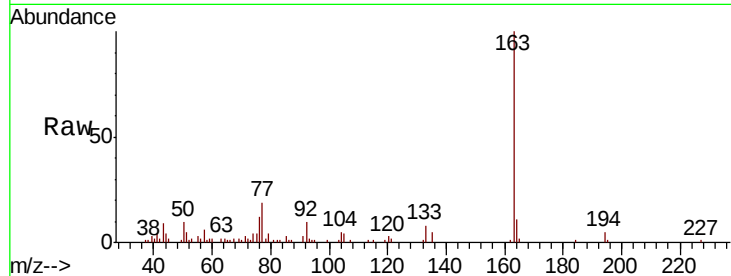
Tgt Ion:163 Resp: 28460

Ion Ratio Lower Upper

163 100

194 5.0 3.6 5.4

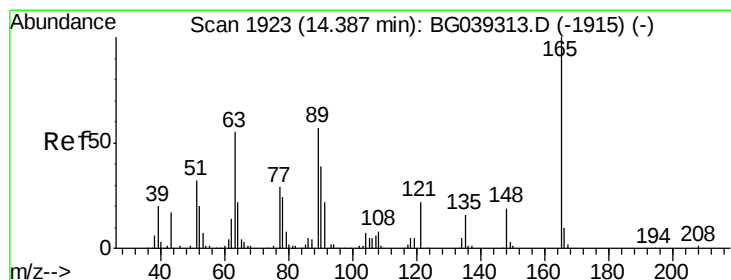
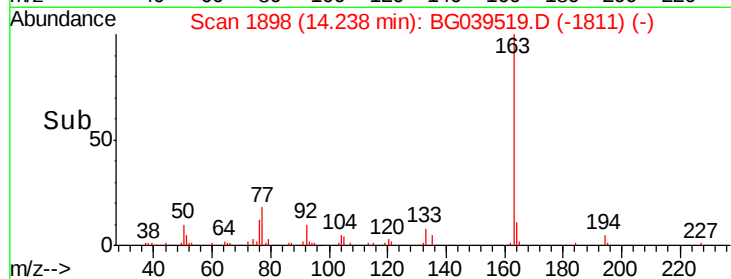
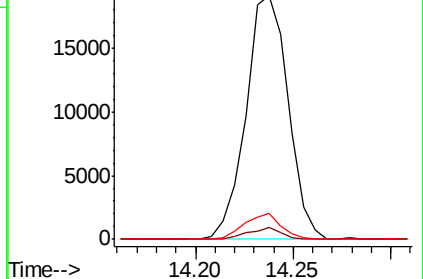
164 10.9 8.4 12.6



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: 14.276 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

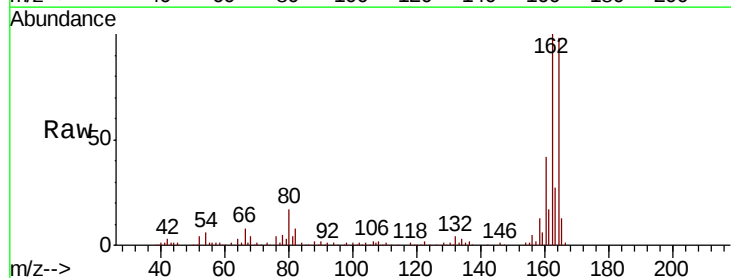
Tgt Ion:165 Resp: 19467

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

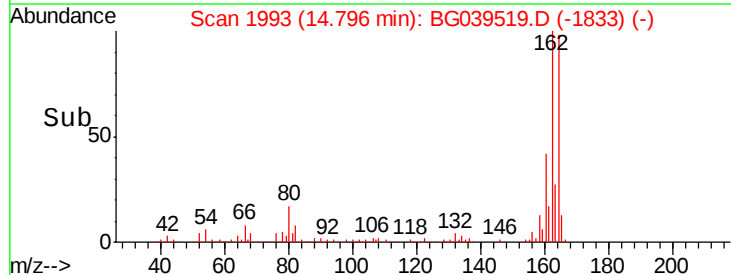
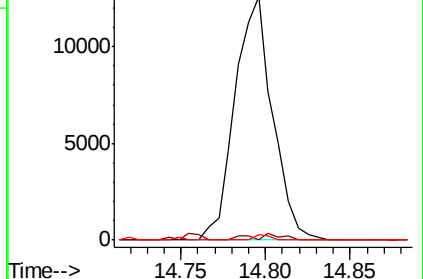
89 2.3 45.8 68.8#

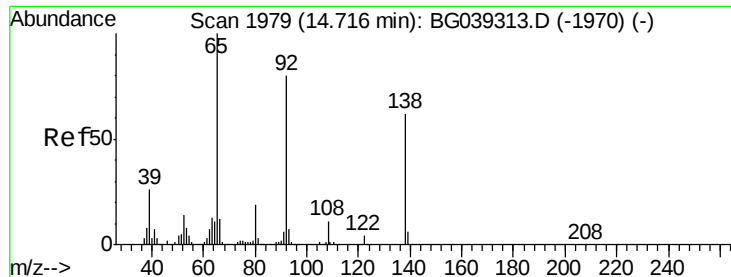


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

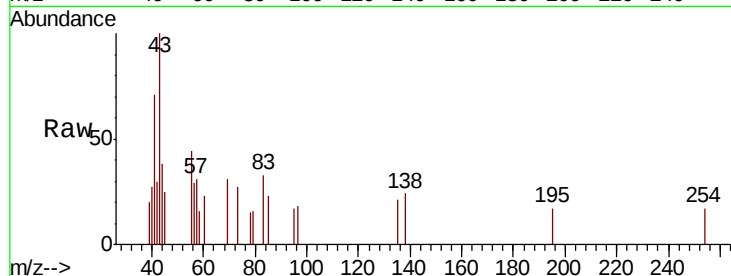




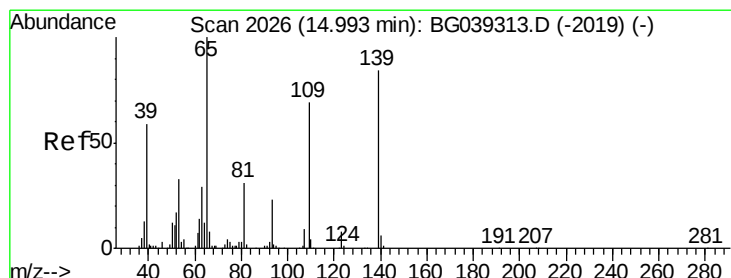
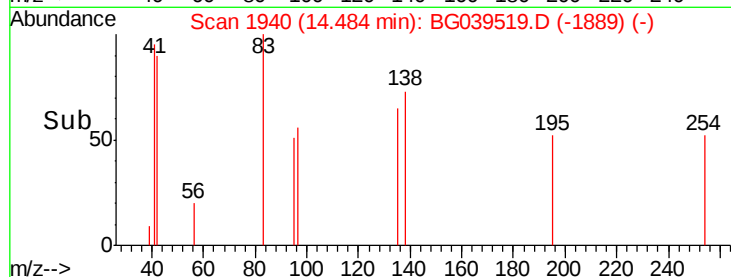
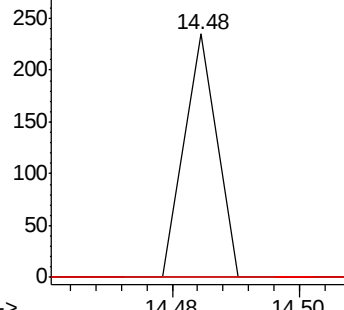
#53
3-Nitroaniline
Concen: 5.824 ng
RT: 14.48 min Scan# 1940
Delta R.T. -0.23 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPARATOR-3

Tgt Ion:138 Resp: 83
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 0.0 103.7 155.5#

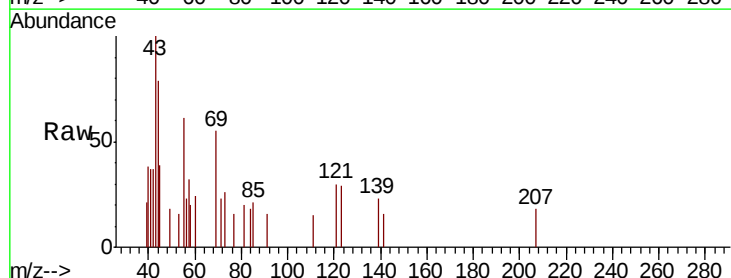


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

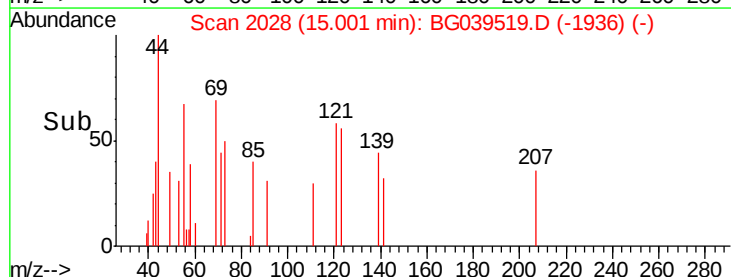
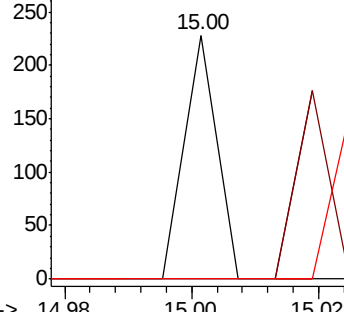


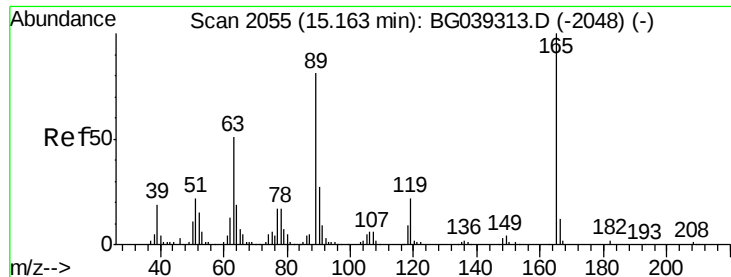
#56
4-Nitrophenol
Concen: 5.829 ng
RT: 15.00 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion:139 Resp: 80
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.666 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

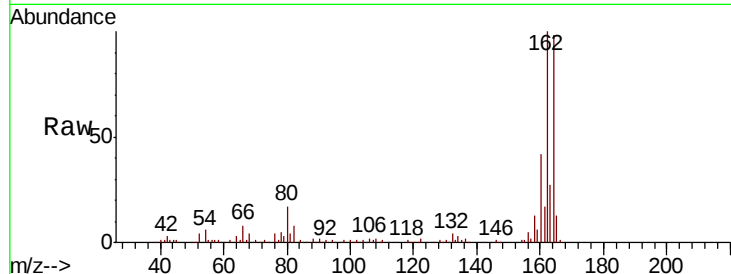
Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-3

Tgt Ion:	165	Resp:	19467
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#

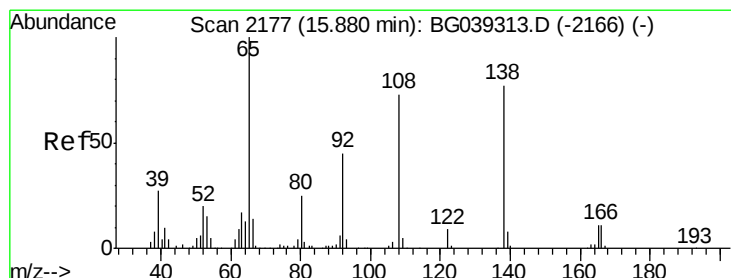
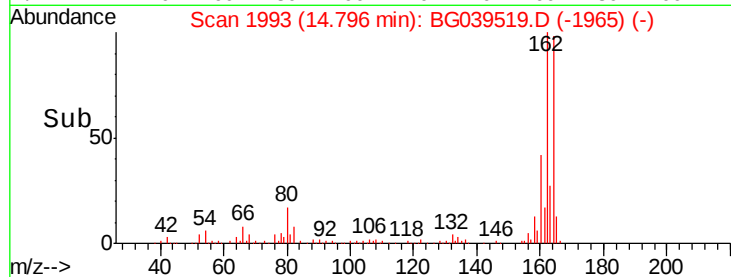
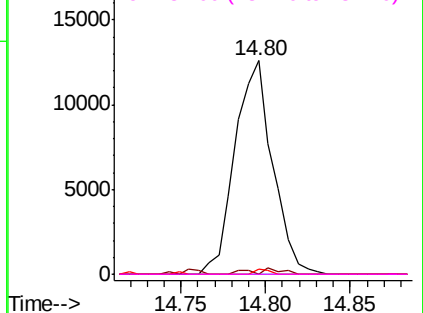


Abundance Ion 165.00 (164.70 to 165.70): E

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



#62

4-Nitroaniline

Concen: 4.223 ng

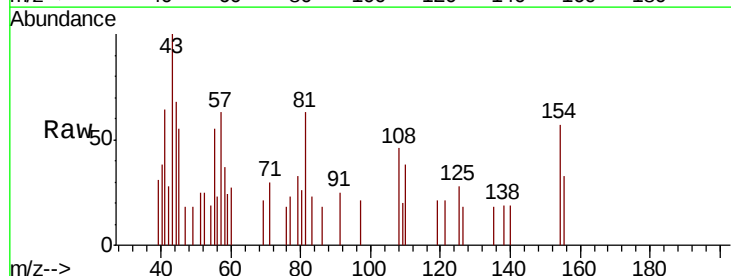
RT: 15.44 min Scan# 2102

Delta R.T. -0.44 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

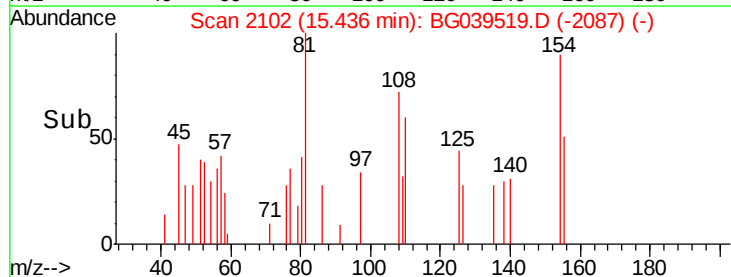
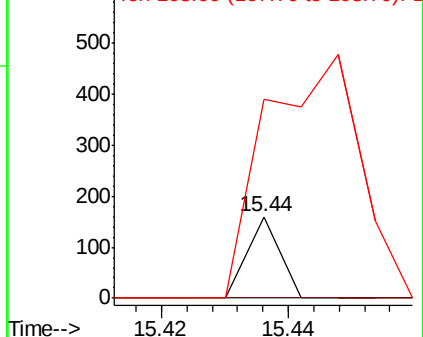
Tgt Ion:	138	Resp:	56
Ion Ratio	Lower	Upper	
138	100		
92	0.0	38.7	78.7#
108	243.8	74.6	114.6#

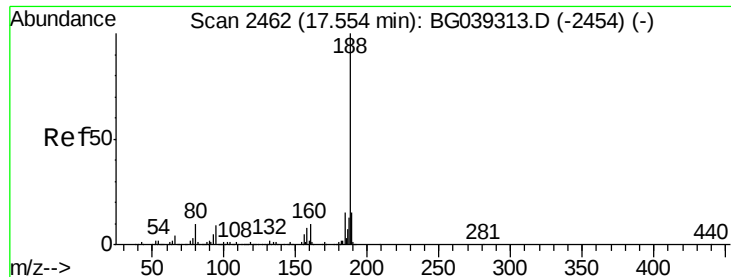


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

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: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-3

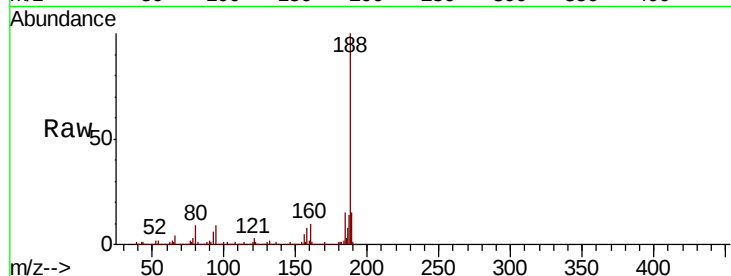
Tgt Ion:188 Resp: 346349

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

80 9.4 8.1 12.1

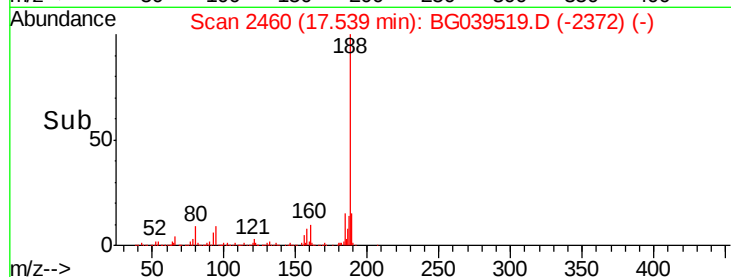


Abundance Ion 188.00 (187.70 to 188.70): E

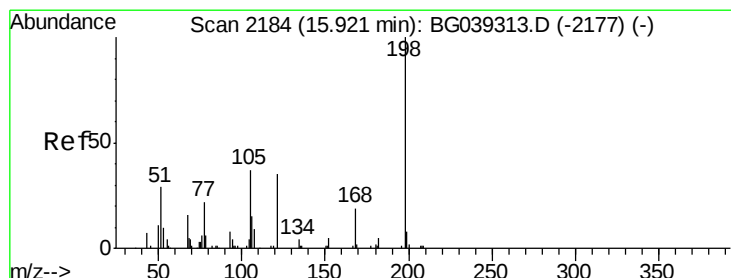
Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0

Time--> 17.45 17.50 17.55 17.60



Time--> 17.45 17.50 17.55 17.60



#65

4,6-Dinitro-2-methylphenol

Concen: 5.003 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

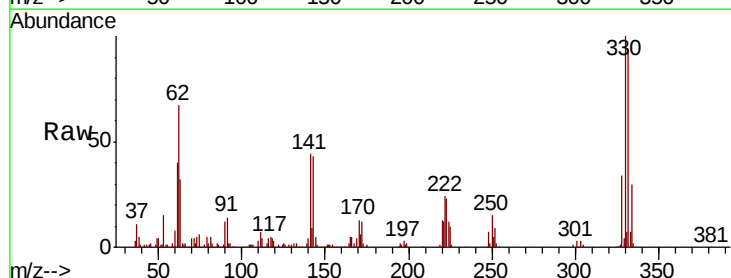
Tgt Ion:198 Resp: 894

Ion Ratio Lower Upper

198 100

51 133.0 27.4 67.4#

105 171.9 19.7 59.7#

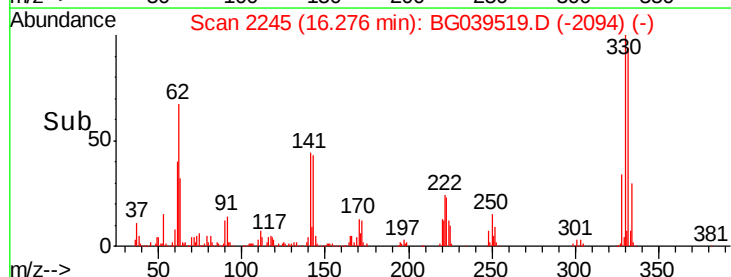


Abundance Ion 198.00 (197.70 to 198.70): E

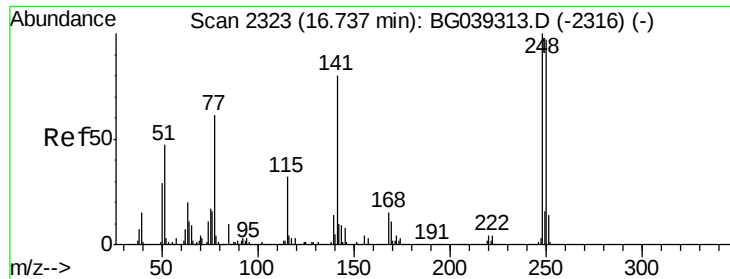
Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E

Time--> 16.25 16.30



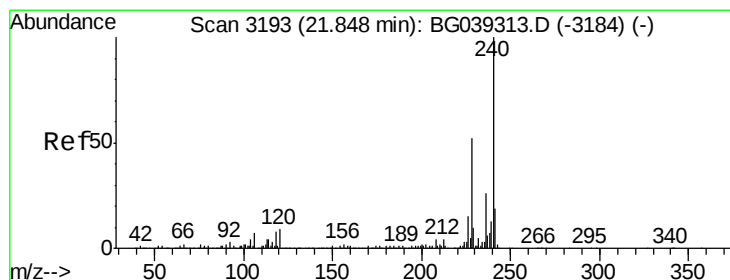
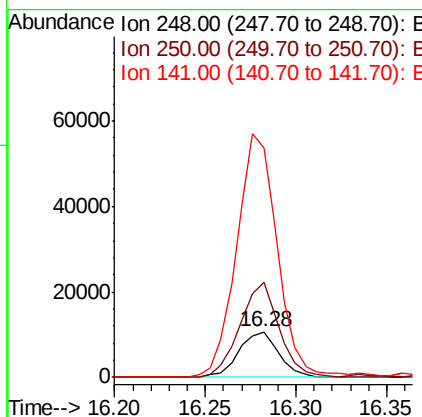
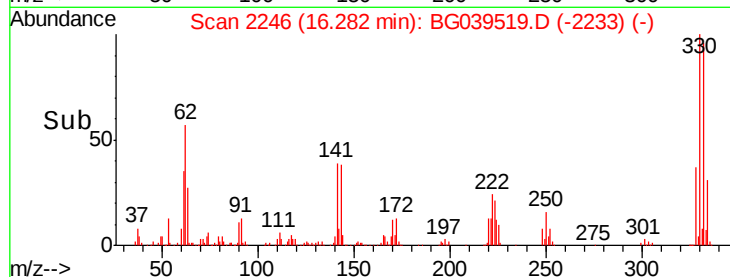
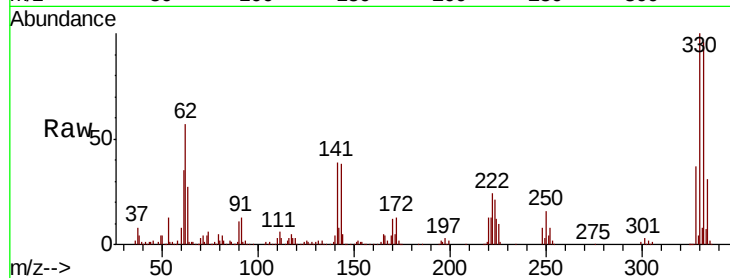
Time--> 16.25 16.30



#67
4-Bromophenyl-phenylether
Concen: 4.215 ng
RT: 16.28 min Scan# 2246
Delta R.T. -0.46 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

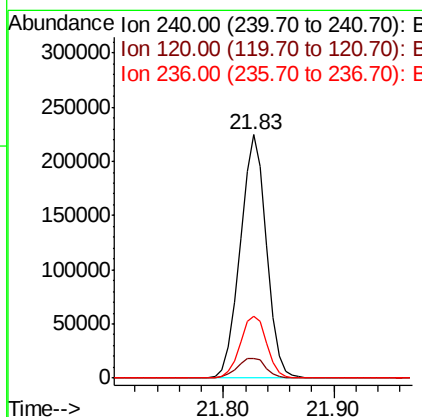
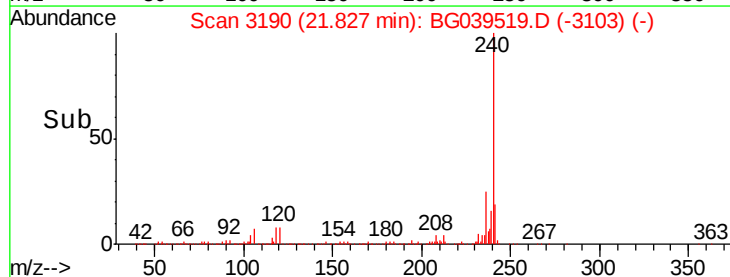
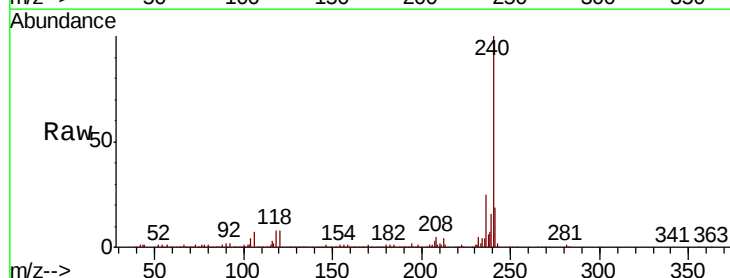
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATOR-3

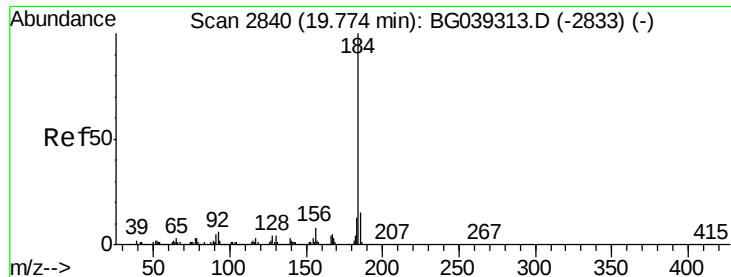
Tgt Ion:248 Resp: 16196
Ion Ratio Lower Upper
248 100
250 207.3 77.6 116.4#
141 502.0 63.9 95.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039519.D
Acq: 14 Feb 2019 23:15

Tgt Ion:240 Resp: 373207
Ion Ratio Lower Upper
240 100
120 8.2 7.0 10.6
236 25.4 21.0 31.4





#77

Benzidine

Concen: 2.150 ng

RT: 20.13 min Scan# 2901

Delta R.T. 0.36 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPARATOR-3

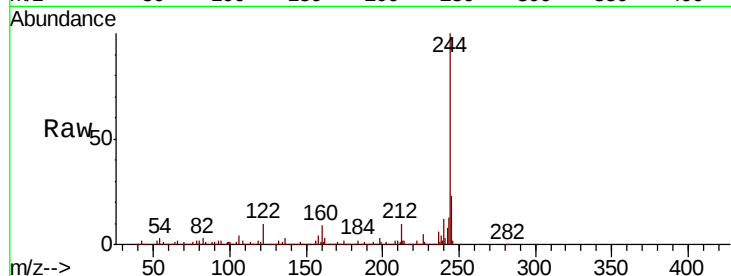
Tgt Ion:184 Resp: 26313

Ion Ratio Lower Upper

184 100

185 15.4 12.2 18.2

183 12.1 10.6 15.8

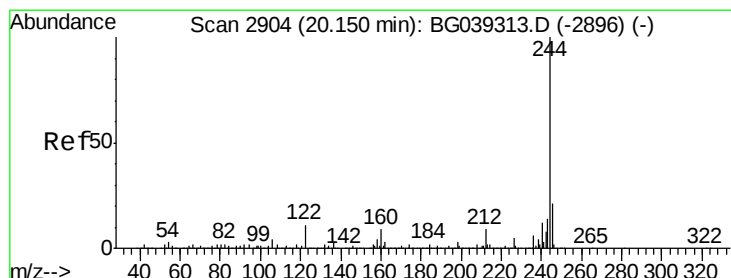
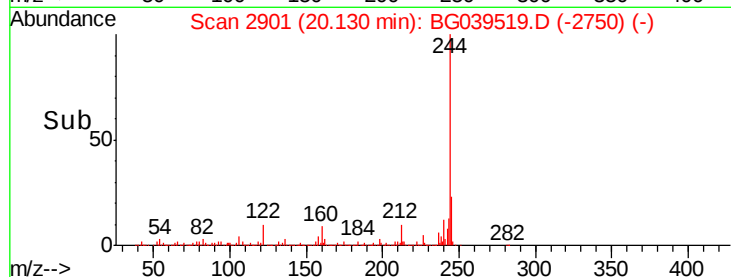
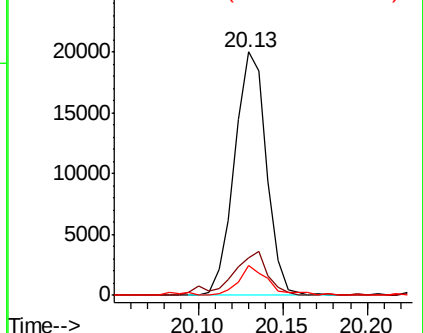


Abundance

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: 84.689 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039519.D

Acq: 14 Feb 2019 23:15

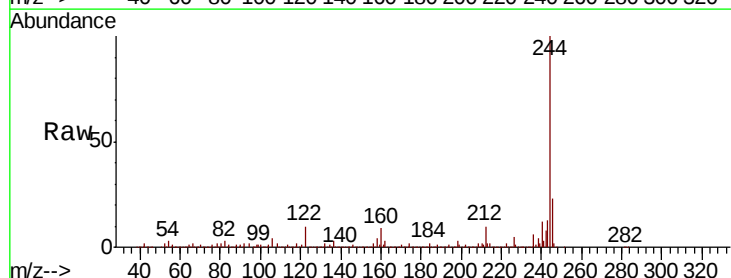
Tgt Ion:244 Resp: 1493211

Ion Ratio Lower Upper

244 100

212 9.6 7.3 10.9

122 10.0 8.4 12.6

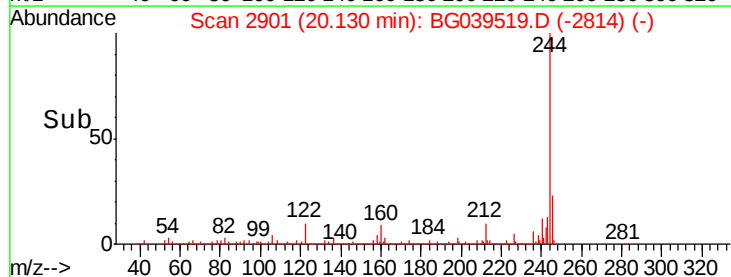
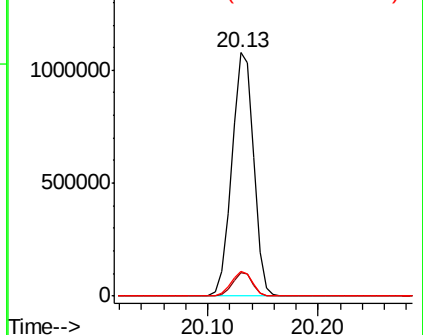


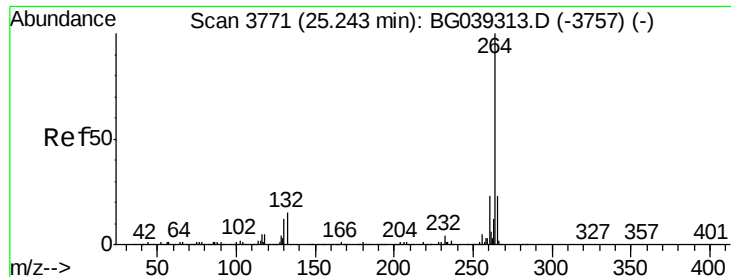
Abundance

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# 3766
 Delta R.T. -0.03 min
 Lab File: BG039519.D
 Acq: 14 Feb 2019 23:15

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATOR-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.2	27.4
265	22.1	18.5	27.7

