

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021519\
 Data File : BG039525.D
 Acq On : 15 Feb 2019 16:04
 Operator : JU/SJ
 Sample : K1479-01DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATORDL

Quant Time: Feb 16 03:17:05 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	50931	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	224740	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	159728	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	393143	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	419064	20.00	ng	-0.02
87) Perylene-d12	25.21	264	428671	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	194977	65.52	ng	0.00
7) Phenol-d6	7.32	99	270967	61.86	ng	0.00
23) Nitrobenzene-d5	9.35	82	185499	51.56	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	129678	75.39	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	482528	43.34	ng	-0.02
79) Terphenyl-d14	20.13	244	814288	41.13	ng	-0.02

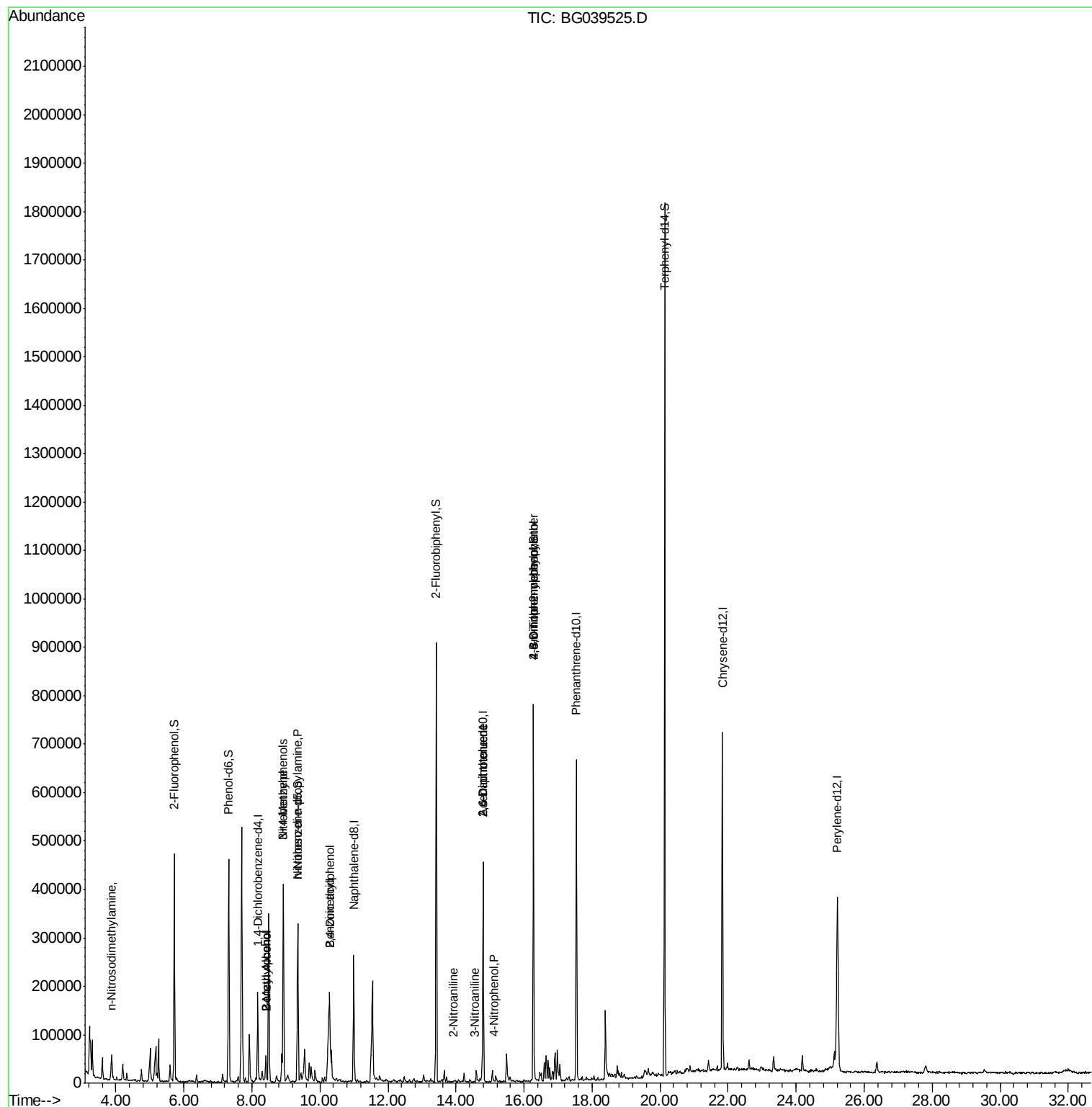
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.88	42	5569	3.231	ng	# 14
9) Benzaldehyde	7.31	77	1504	Below Cal		# 67
15) Benzyl Alcohol	8.41	79	19914	5.791	ng	# 96
17) 2-Methylphenol	8.41	107	10903	3.690	ng	# 32
19) n-Nitroso-di-n-propylamine	9.35	70	25458	8.189	ng	# 73
20) 3+4-Methylphenols	8.93	107	187374	46.049	ng	# 88
24) Nitrobenzene	8.92	77	58469	15.044	ng	# 47
27) 2,4-Dimethylphenol	10.29	122	123783	38.384	ng	# 4
32) Benzoic acid	10.29	122	123783	56.622	ng	# 97
48) 2-Nitroaniline	13.91	65	57	8.313	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	20343	13.844	ng	# 25
53) 3-Nitroaniline	14.54	138	56	5.812	ng	# 72
56) 4-Nitrophenol	15.12	139	62	5.818	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	20343	13.338	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.27	198	452	4.542	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	9847	2.258	ng	# 1

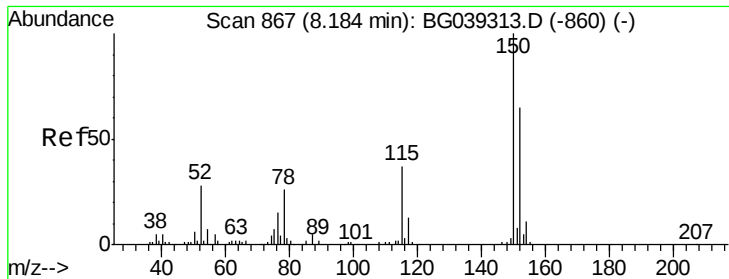
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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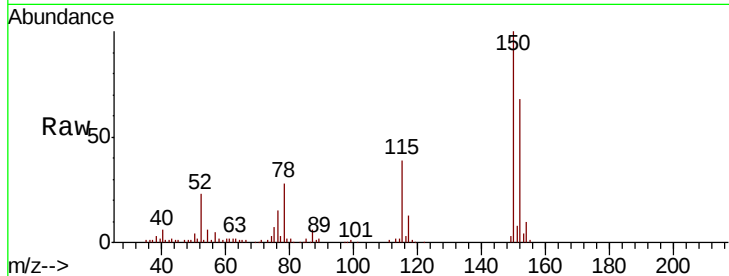


#1

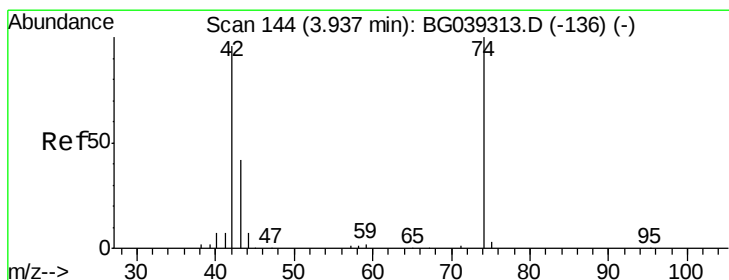
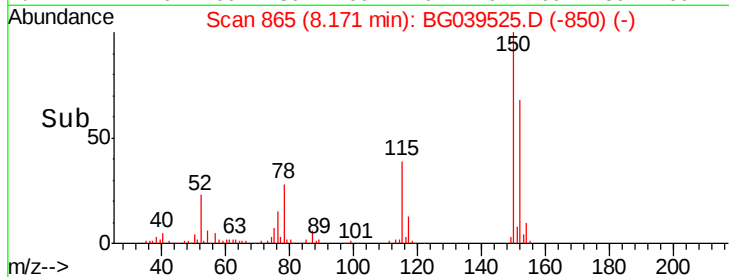
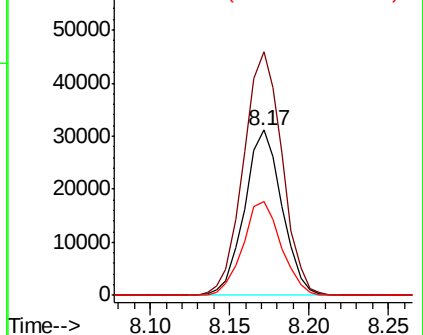
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 865
Delta R.T. -0.01 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATORDL

Tgt Ion:152 Resp: 50931
Ion Ratio Lower Upper
152 100
150 147.3 123.7 185.5
115 57.0 45.9 68.9



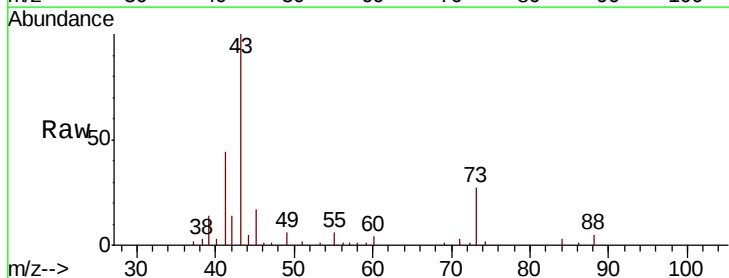
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



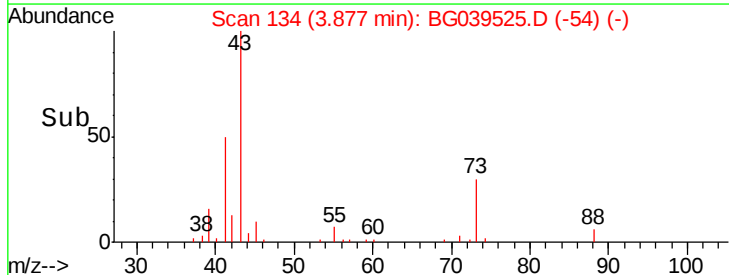
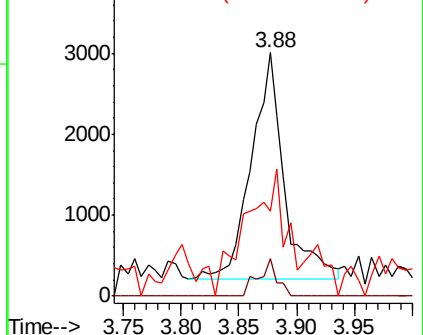
#4

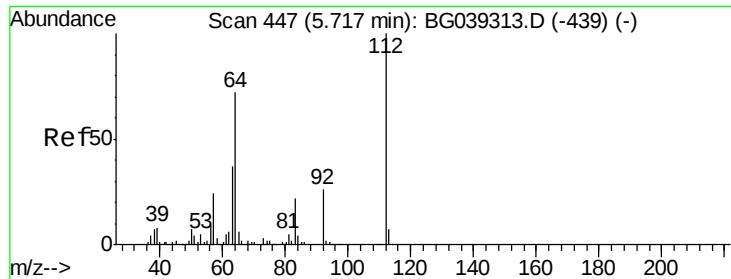
n-Nitrosodimethylamine
Concen: 3.231 ng
RT: 3.88 min Scan# 134
Delta R.T. -0.06 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Tgt Ion: 42 Resp: 5569
Ion Ratio Lower Upper
42 100
74 15.3 83.6 125.4#
44 34.9 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: 65.521 ng

RT: 5.72 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

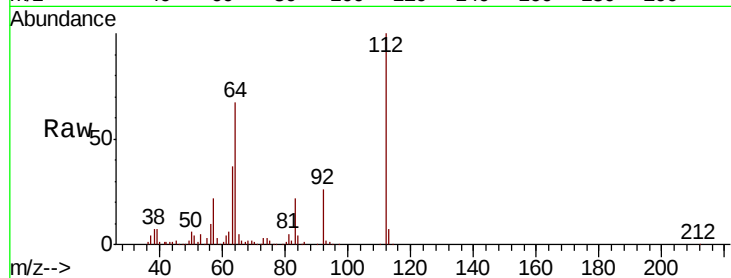
Tgt Ion: 112 Resp: 194977

Ion Ratio Lower Upper

112 100

64 66.8 57.8 86.8

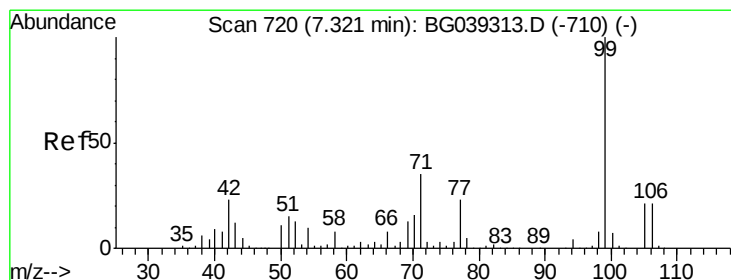
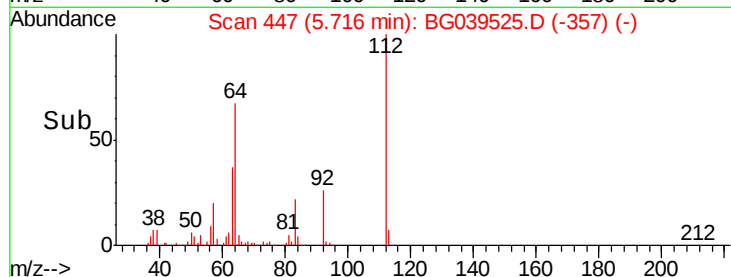
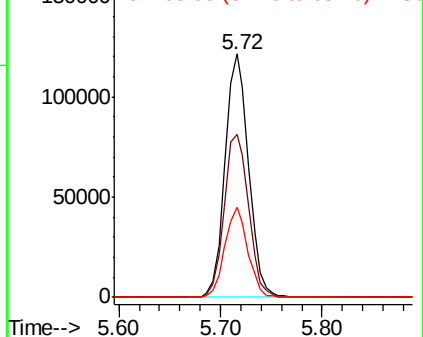
63 37.1 29.8 44.6



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: 61.861 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

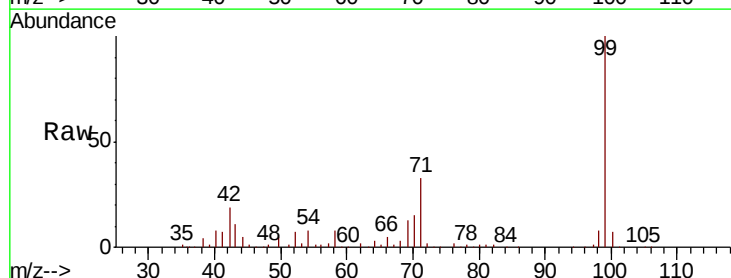
Tgt Ion: 99 Resp: 270967

Ion Ratio Lower Upper

99 100

42 19.0 18.2 27.2

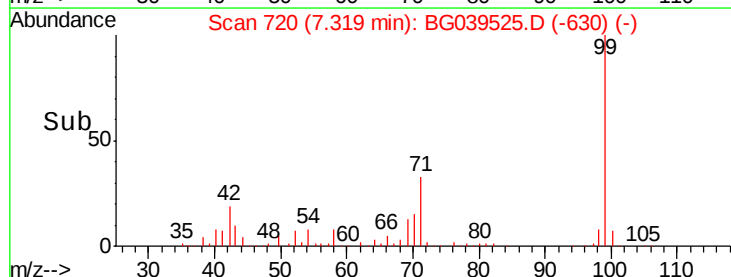
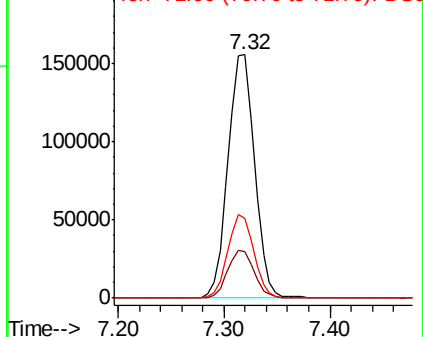
71 32.9 28.0 42.0

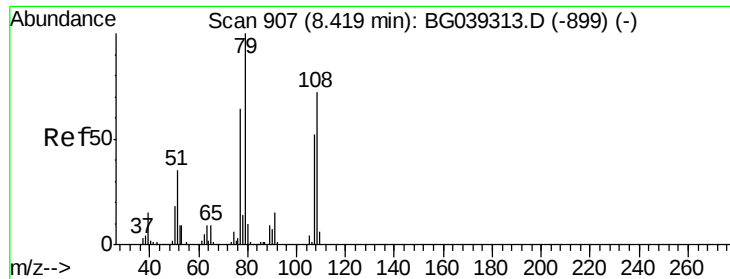


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 5.791 ng

RT: 8.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

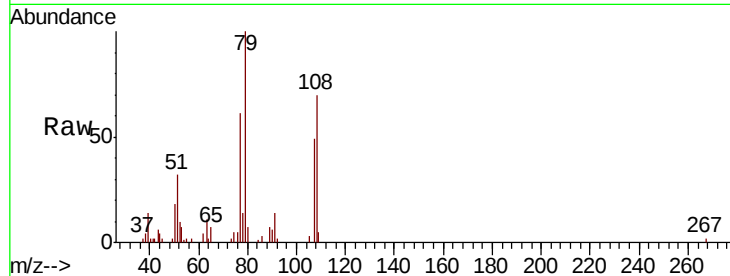
Tgt Ion: 79 Resp: 19914

Ion Ratio Lower Upper

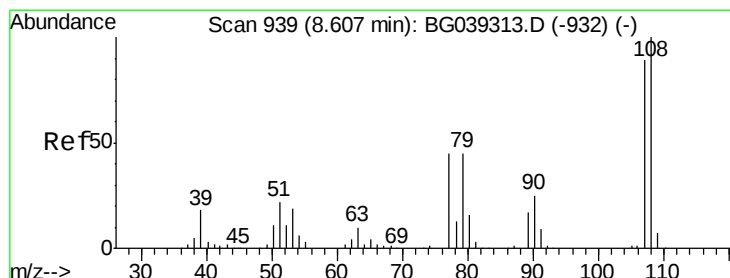
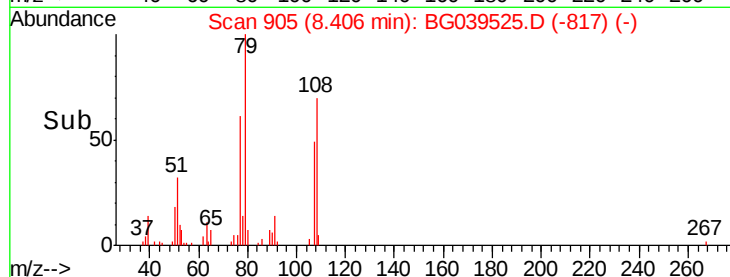
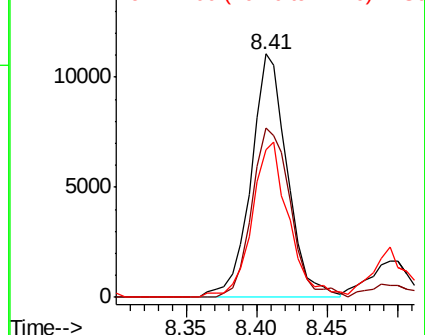
79 100

108 69.8 57.8 86.6

77 60.6 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



#17

2-Methylphenol

Concen: 3.690 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.19 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Tgt Ion: 107 Resp: 10903

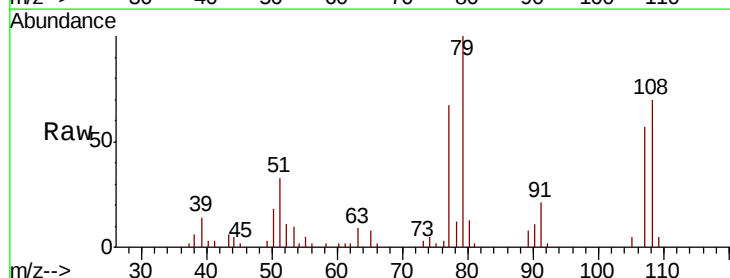
Ion Ratio Lower Upper

107 100

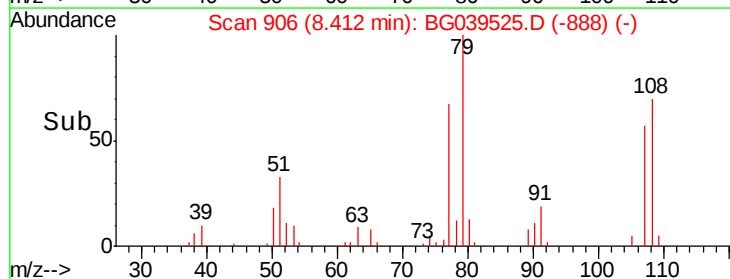
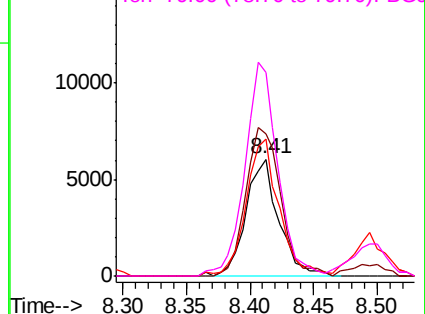
108 121.5 90.8 136.2

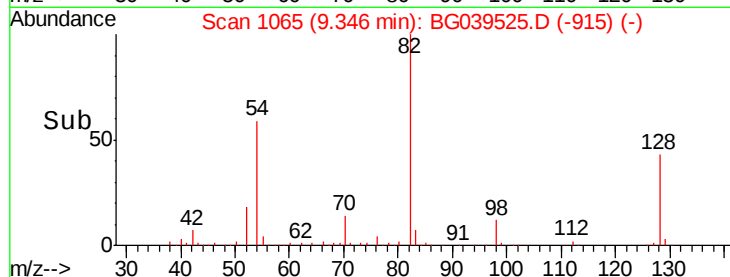
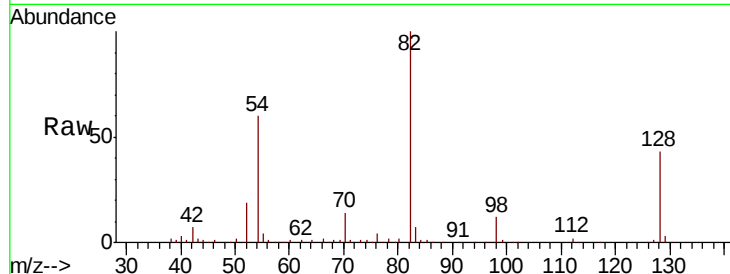
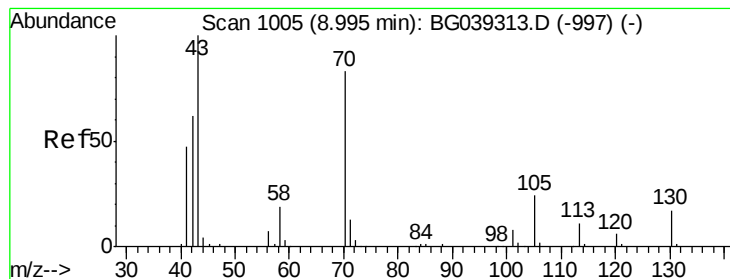
77 116.8 40.7 61.1#

79 174.1 40.6 60.8#



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





#19

n-Nitroso-di-n-propylamine

Concen: 8.189 ng

RT: 9.35 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

Tgt Ion: 70 Resp: 25458

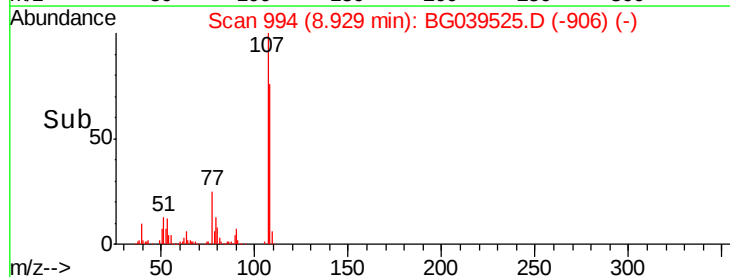
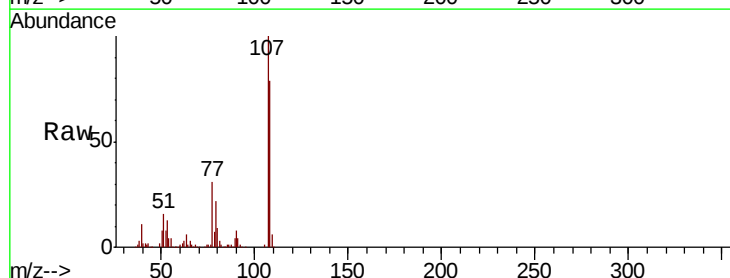
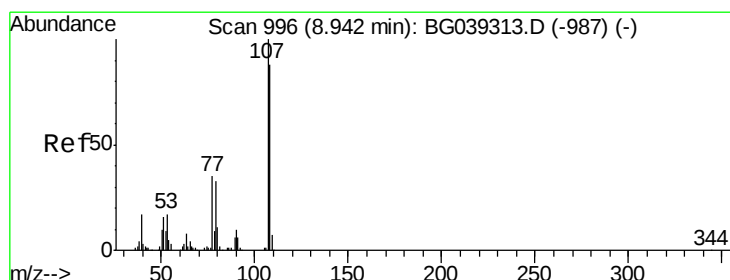
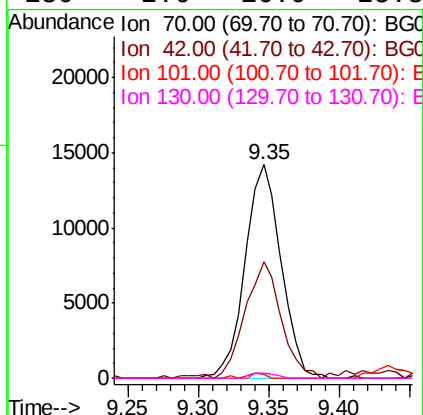
Ion Ratio Lower Upper

70 100

42 54.5 60.4 90.6#

101 1.7 7.5 11.3#

130 2.6 16.9 25.3#



#20

3+4-Methylphenols

Concen: 46.049 ng

RT: 8.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Tgt Ion:107 Resp: 187374

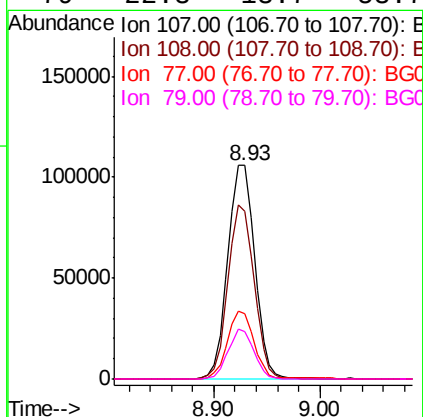
Ion Ratio Lower Upper

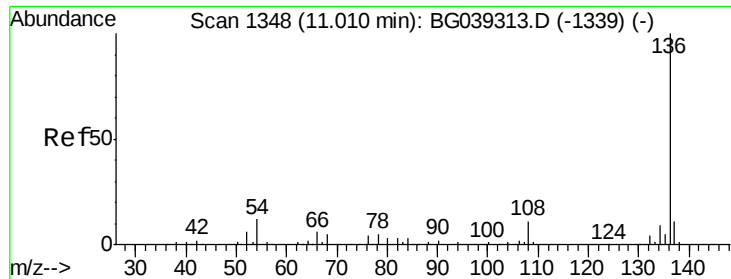
107 100

108 78.6 67.9 107.9

77 30.5 15.4 55.4

79 22.3 13.7 53.7

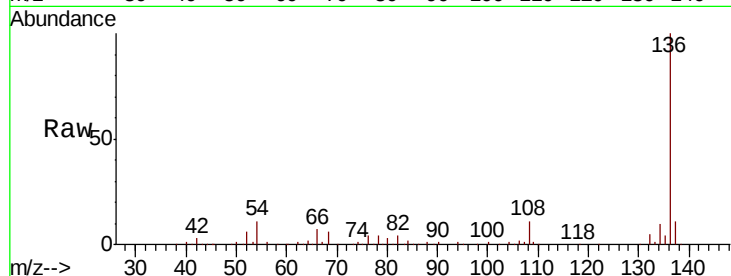




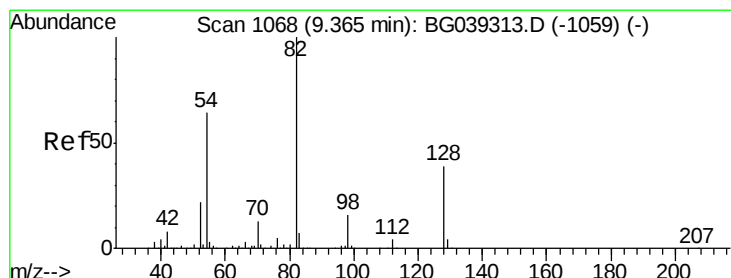
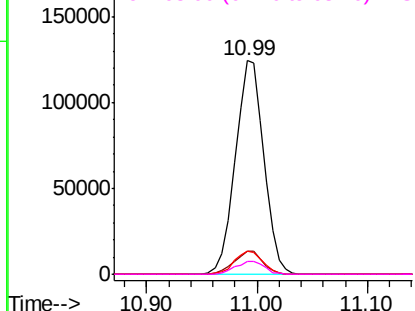
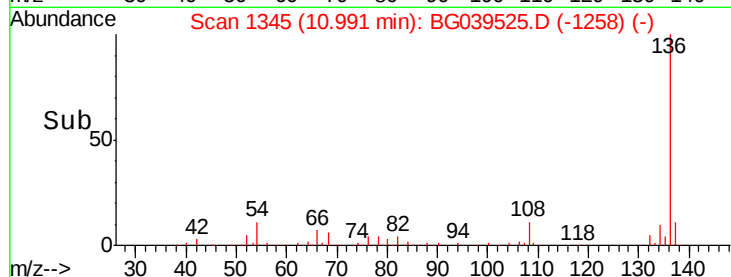
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATORDL

Tgt Ion:	136	Resp:	224740
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	10.6	9.4	14.2
68	5.9	4.2	6.4

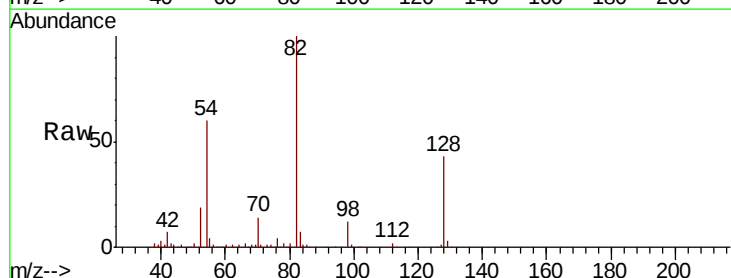


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

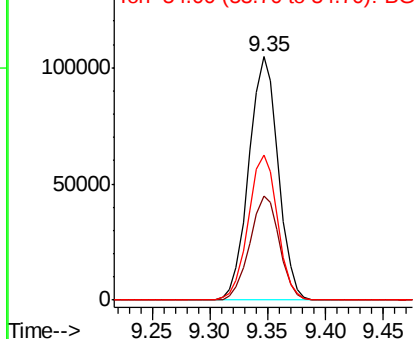
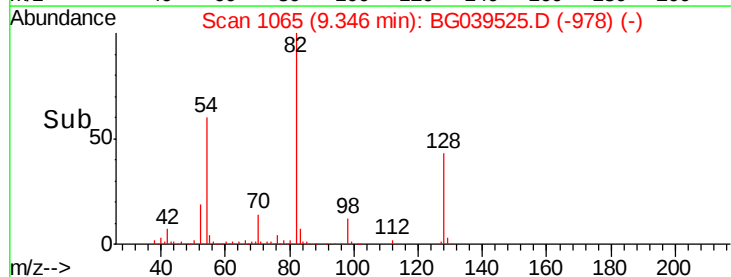


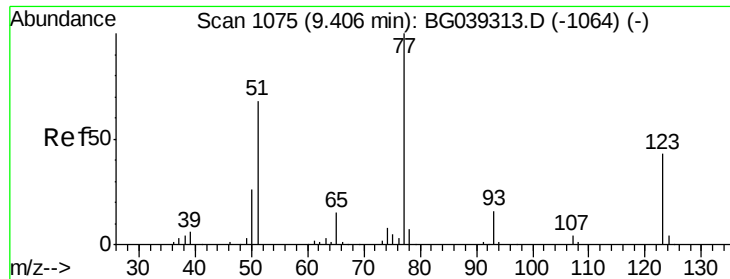
#23
Nitrobenzene-d5
Concen: 51.564 ng
RT: 9.35 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Tgt Ion:	82	Resp:	185499
Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.3	46.9
54	59.7	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

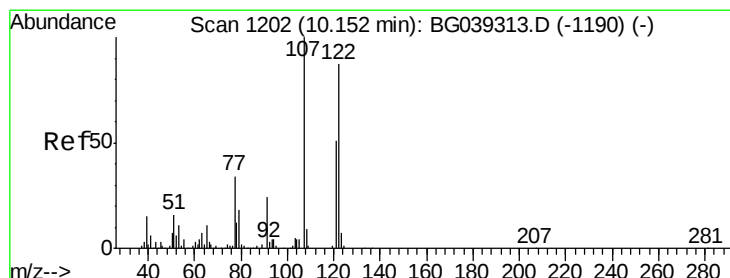
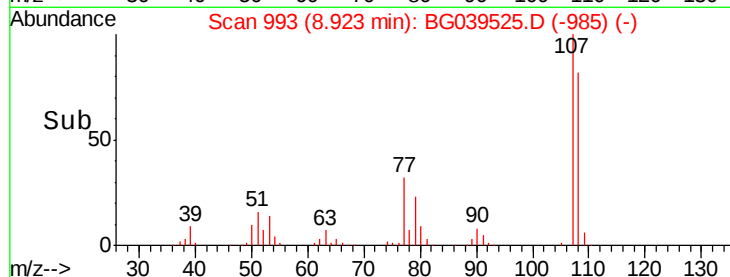
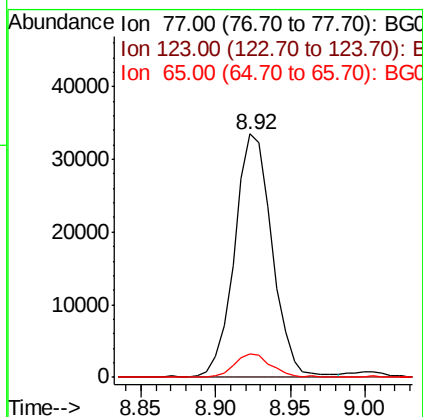
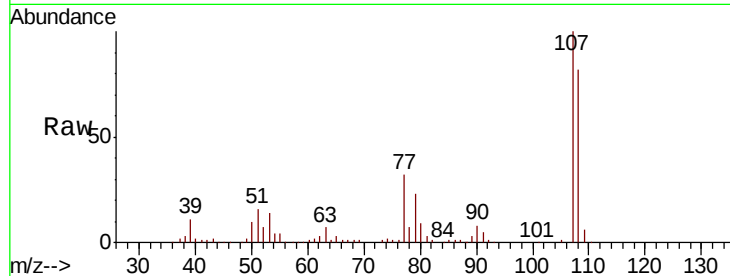




#24
 Nitrobenzene
 Concen: 15.044 ng
 RT: 8.92 min Scan# 993
 Delta R.T. -0.48 min
 Lab File: BG039525.D
 Acq: 15 Feb 2019 16:04

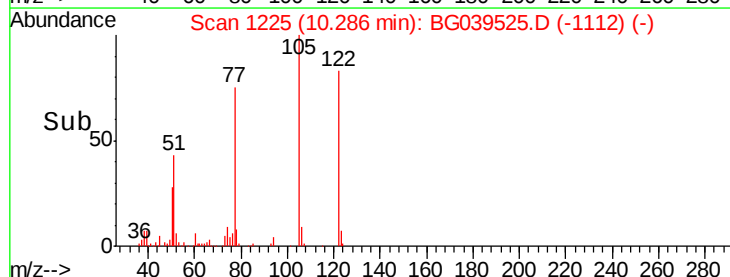
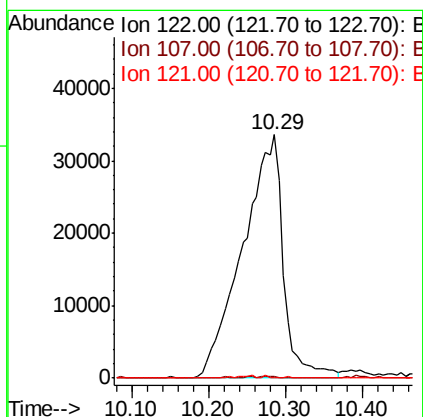
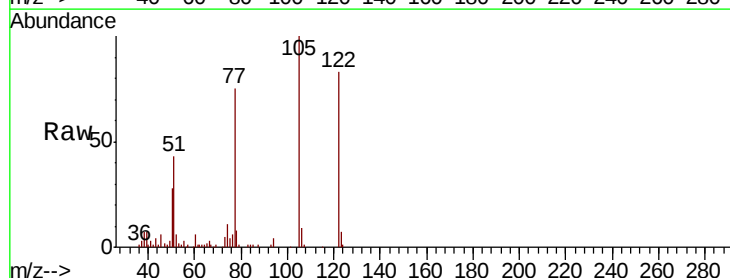
Instrument :
 BNA_G
 ClientSampleId :
 OIL-WATER-SEPERATORDL

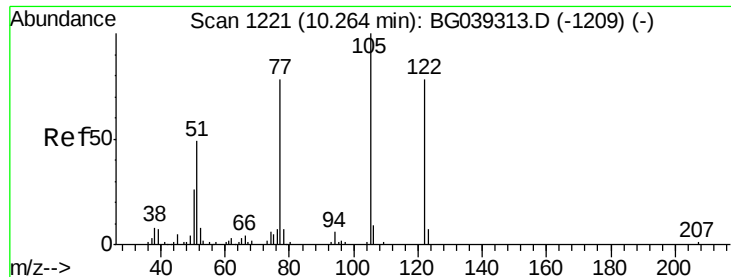
Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	34.1	51.1#
65	9.4	12.3	18.5#



#27
 2,4-Dimethylphenol
 Concen: 38.384 ng
 RT: 10.29 min Scan# 1225
 Delta R.T. 0.13 min
 Lab File: BG039525.D
 Acq: 15 Feb 2019 16:04

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.8	91.7	137.5#
121	0.0	46.4	69.6#





#32

Benzoic acid

Concen: 56.622 ng

RT: 10.29 min Scan# 1225

Delta R.T. 0.02 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATOR.DL

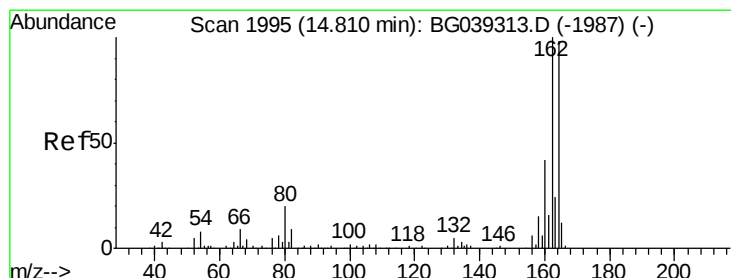
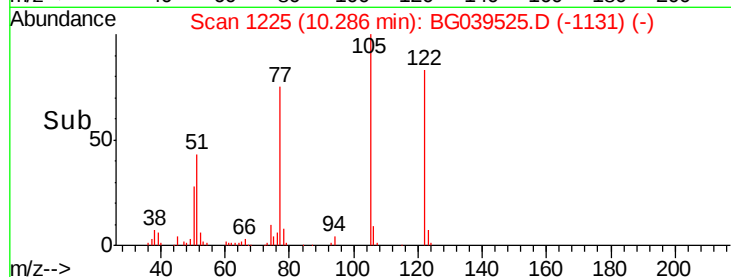
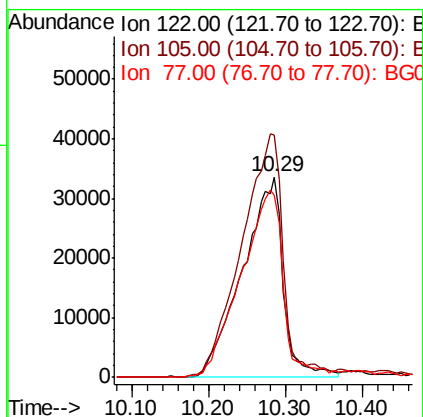
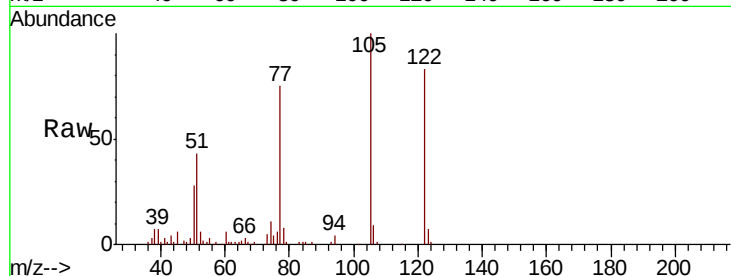
Tgt Ion:122 Resp: 123783

Ion Ratio Lower Upper

122 100

105 120.8 101.8 141.8

77 91.1 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: BG039525.D

Acq: 15 Feb 2019 16:04

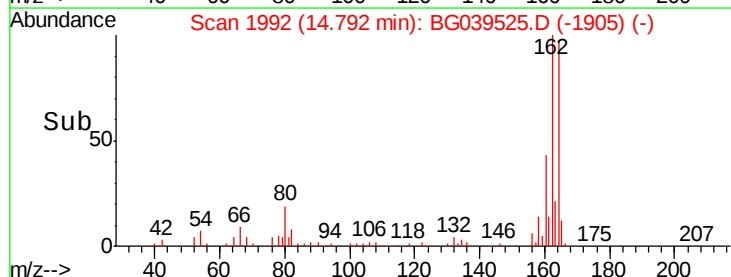
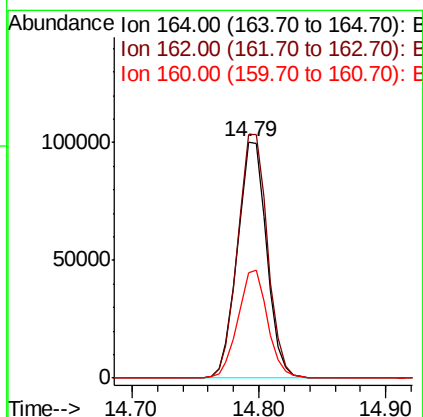
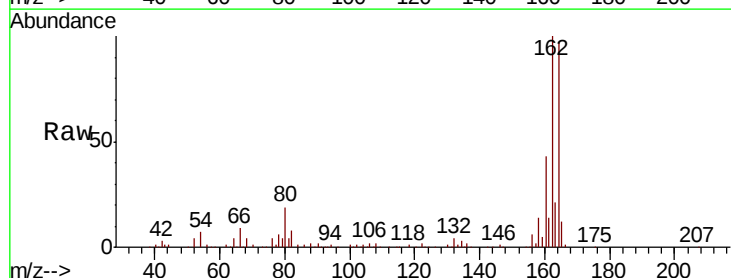
Tgt Ion:164 Resp: 159728

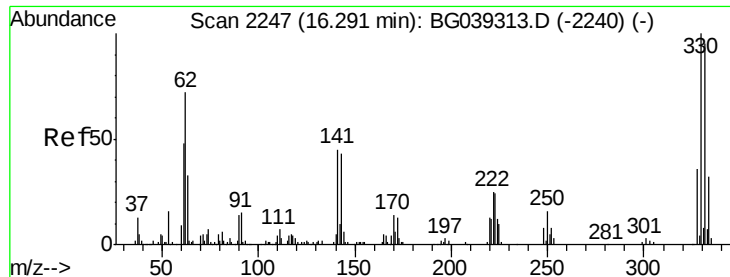
Ion Ratio Lower Upper

164 100

162 103.0 81.6 122.4

160 44.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 75.394 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

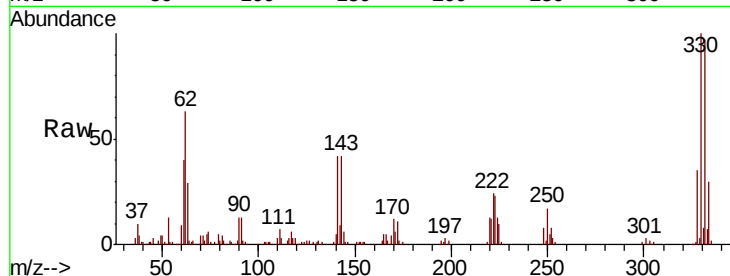
Tgt Ion:330 Resp: 129678

Ion Ratio Lower Upper

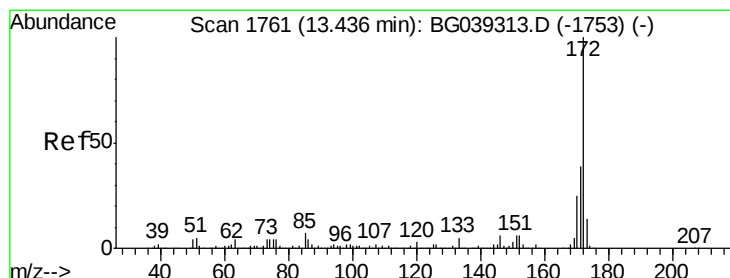
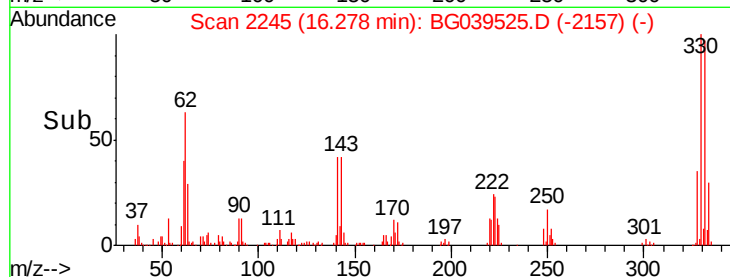
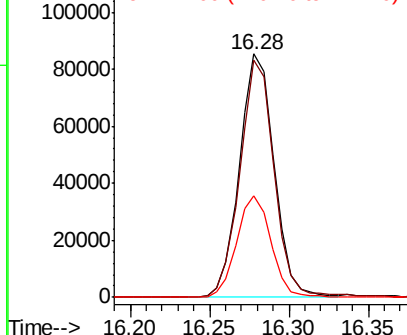
330 100

332 96.1 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: 43.337 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

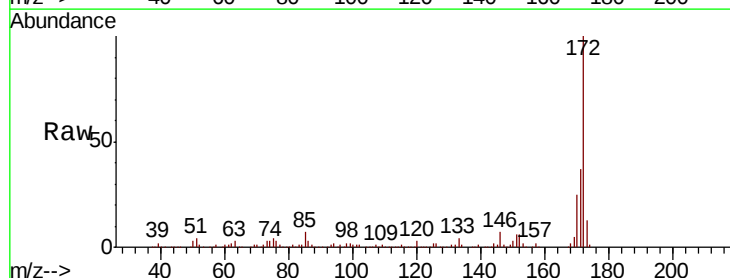
Tgt Ion:172 Resp: 482528

Ion Ratio Lower Upper

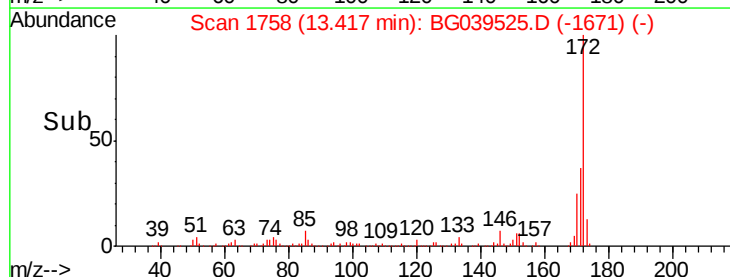
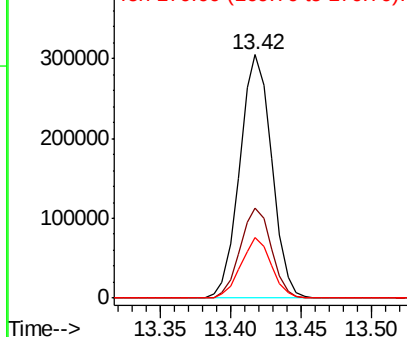
172 100

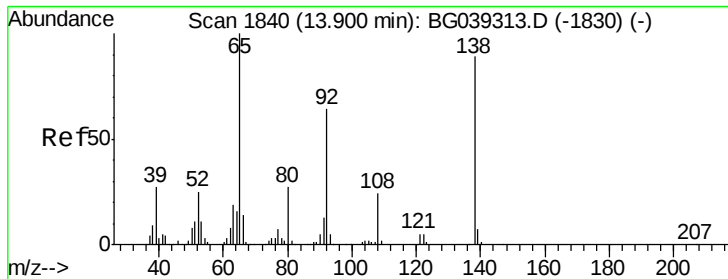
171 37.1 30.8 46.2

170 25.0 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: 8.313 ng

RT: 13.91 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

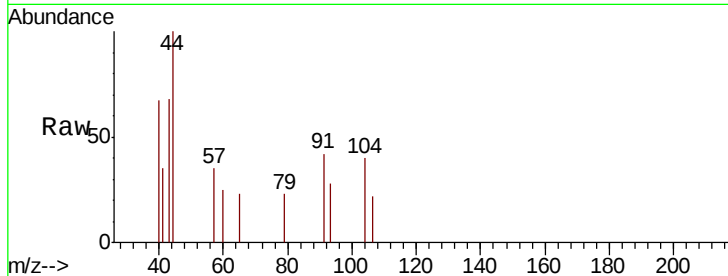
Tgt Ion: 65 Resp: 57

Ion Ratio Lower Upper

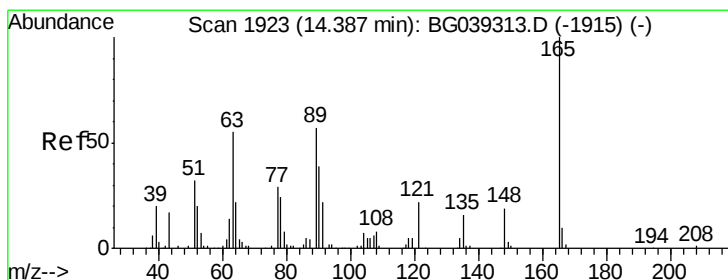
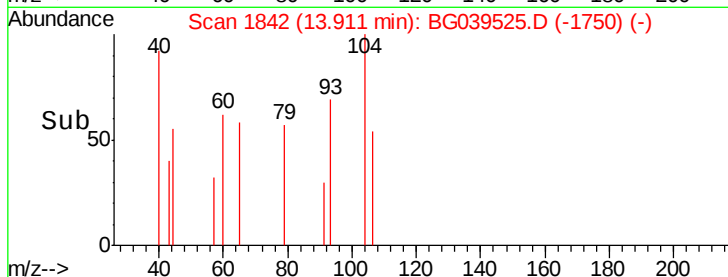
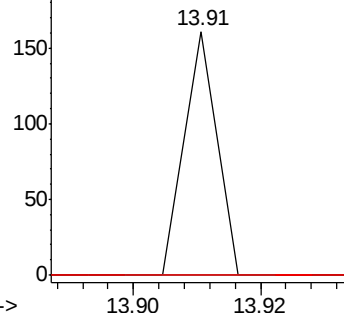
65 100

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): BGC



#51

2,6-Dinitrotoluene

Concen: 13.844 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

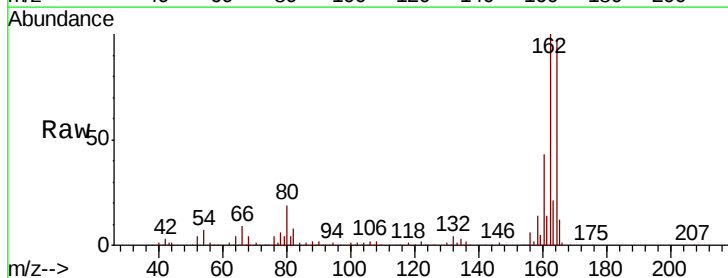
Tgt Ion: 165 Resp: 20343

Ion Ratio Lower Upper

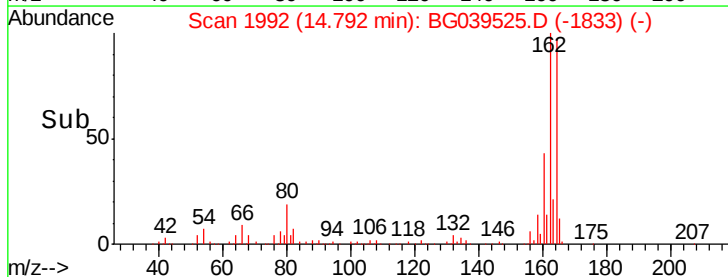
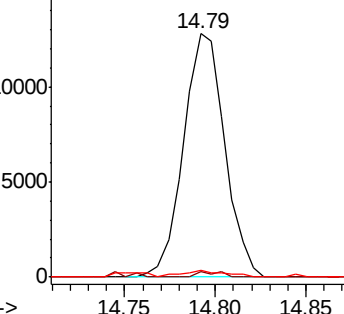
165 100

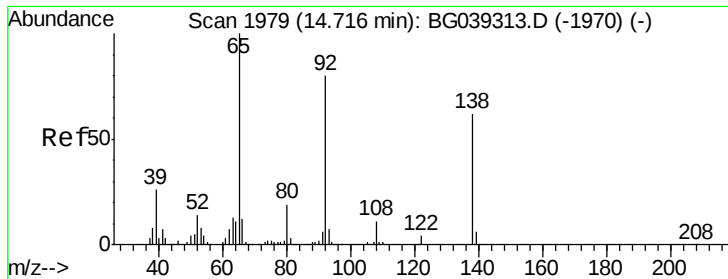
63 2.4 47.0 70.6#

89 2.7 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

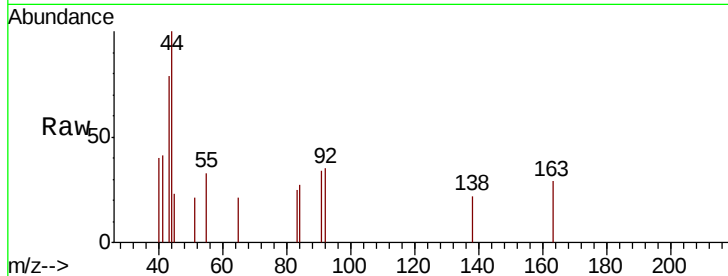




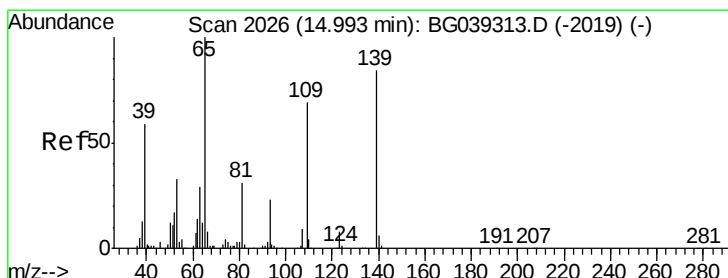
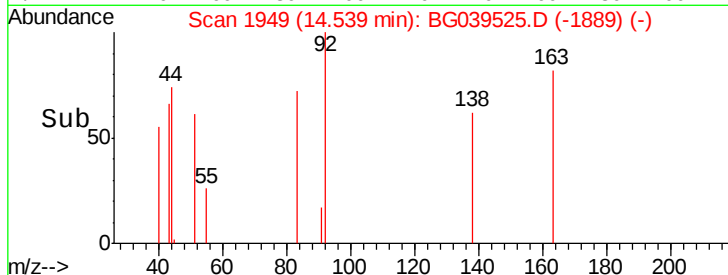
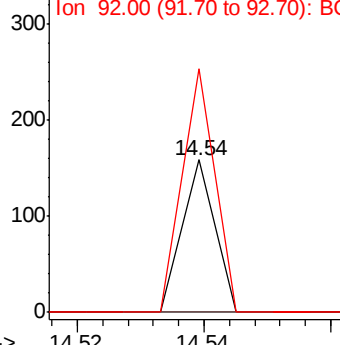
#53
3-Nitroaniline
Concen: 5.812 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.18 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATORDL

Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 13.8 20.8#
92 160.1 103.7 155.5#

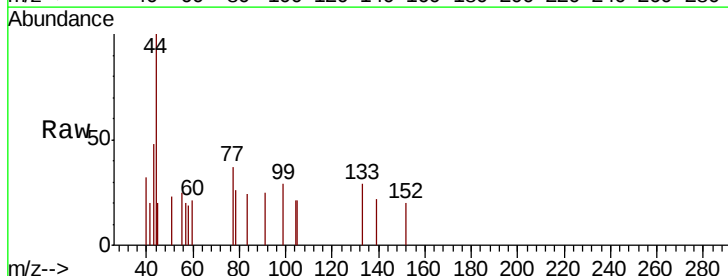


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

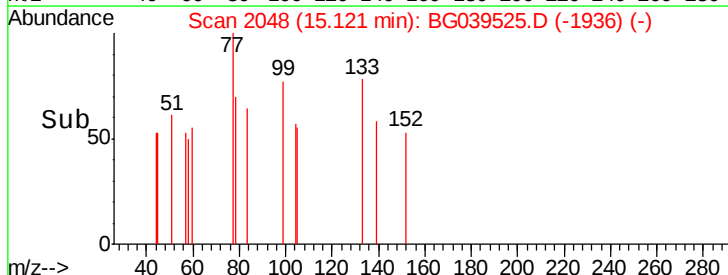
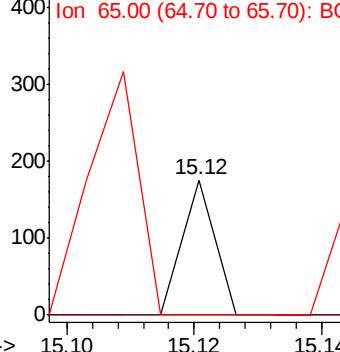


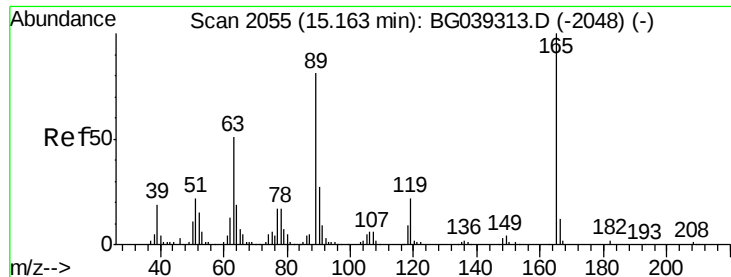
#56
4-Nitrophenol
Concen: 5.818 ng
RT: 15.12 min Scan# 2048
Delta R.T. 0.13 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Tgt Ion:139 Resp: 62
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: 13.338 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

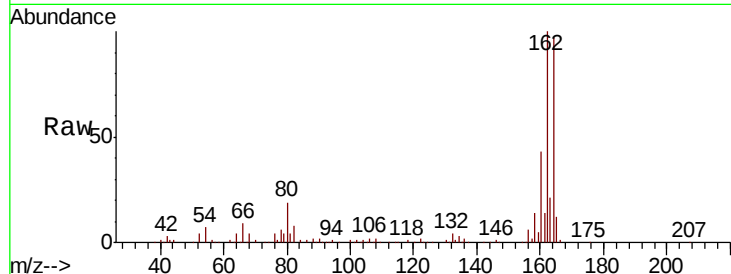
Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

Tgt Ion:	165	Resp:	20343
Ion Ratio	Lower	Upper	
165	100		
63	2.4	41.0	61.6#
89	2.7	64.6	96.8#
182	0.0	2.0	3.0#

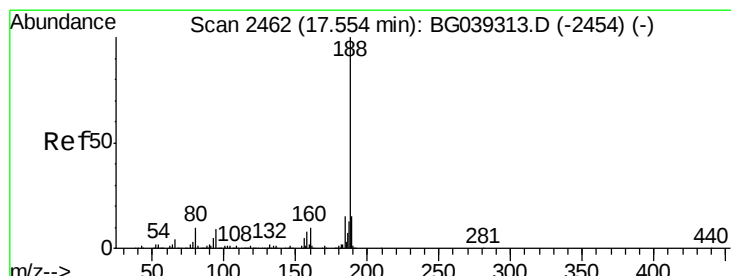
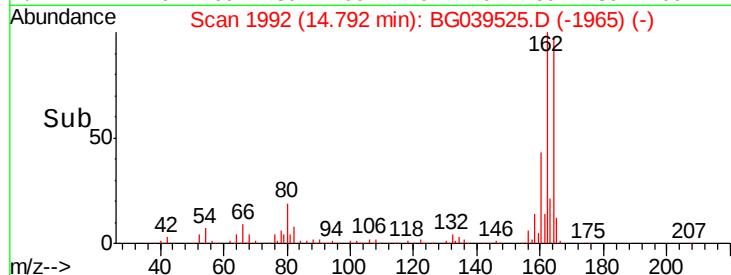
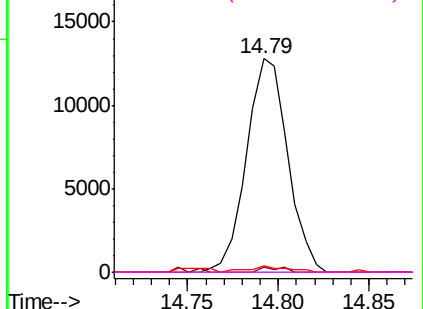


Abundance Ion 165.00 (164.70 to 165.70): E

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

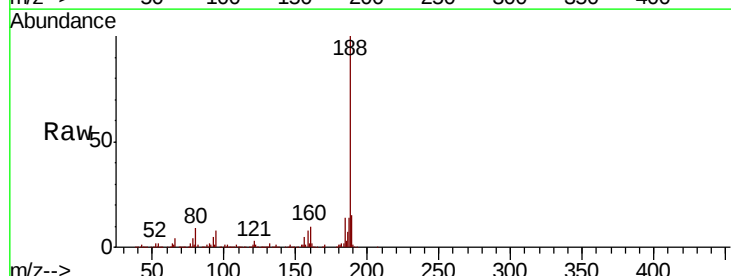
RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

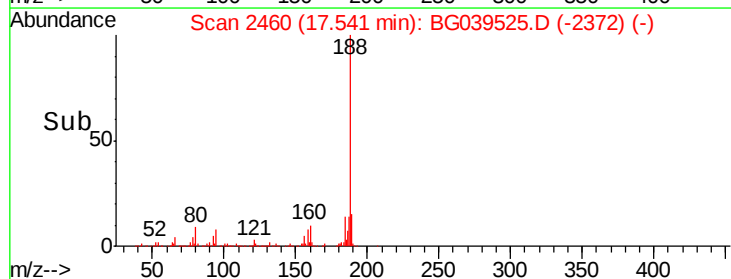
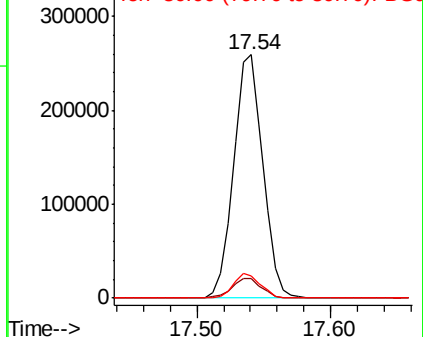
Tgt Ion:	188	Resp:	393143
Ion Ratio	Lower	Upper	
188	100		
94	8.0	6.9	10.3
80	9.0	8.1	12.1

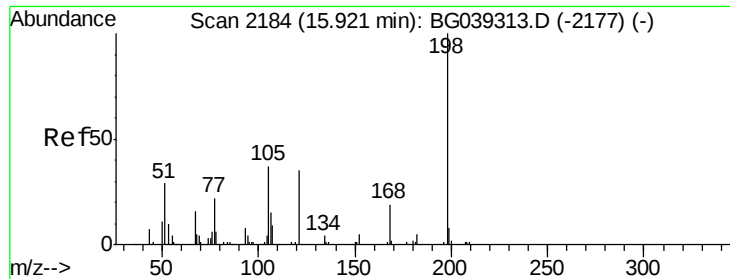


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.542 ng

RT: 16.27 min Scan# 2244

Delta R.T. 0.35 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

Instrument :

BNA_G

ClientSampleId :

OIL-WATER-SEPERATORDL

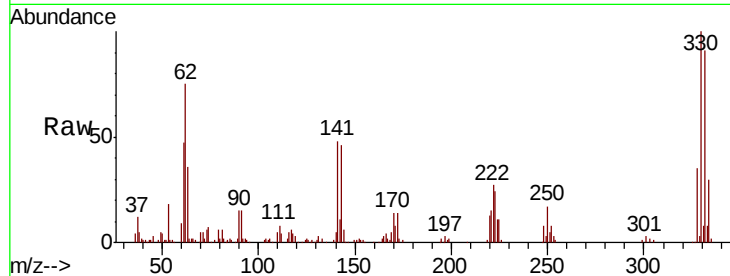
Tgt Ion:198 Resp: 452

Ion Ratio Lower Upper

198 100

51 162.9 27.4 67.4#

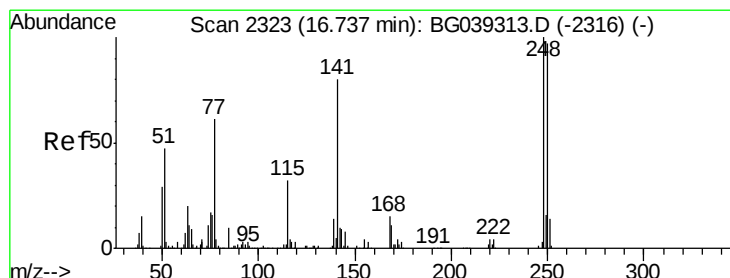
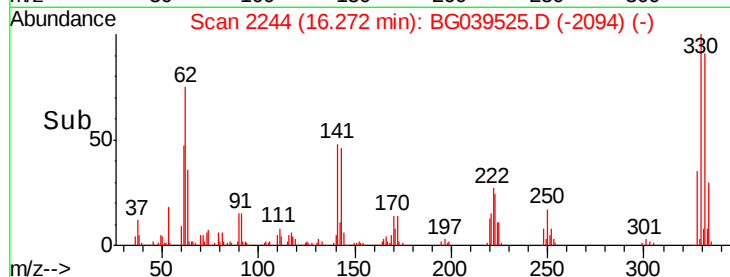
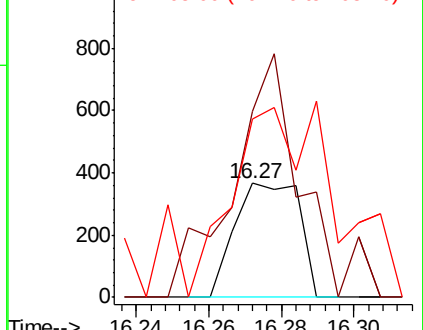
105 155.9 19.7 59.7#



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: 2.258 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.46 min

Lab File: BG039525.D

Acq: 15 Feb 2019 16:04

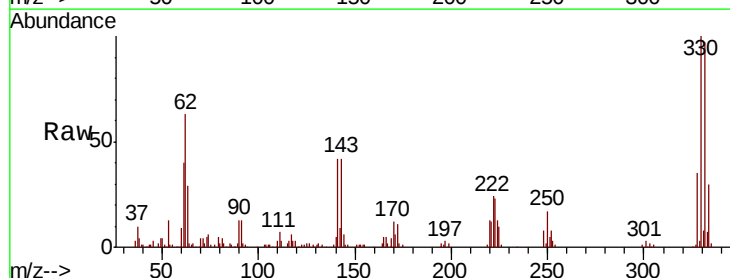
Tgt Ion:248 Resp: 9847

Ion Ratio Lower Upper

248 100

250 215.0 77.6 116.4#

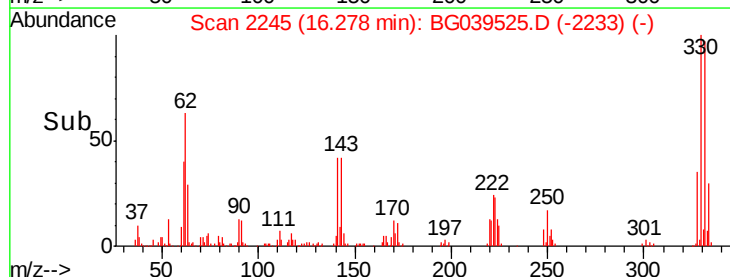
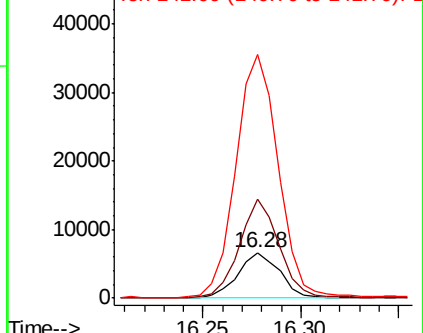
141 532.3 63.9 95.9#

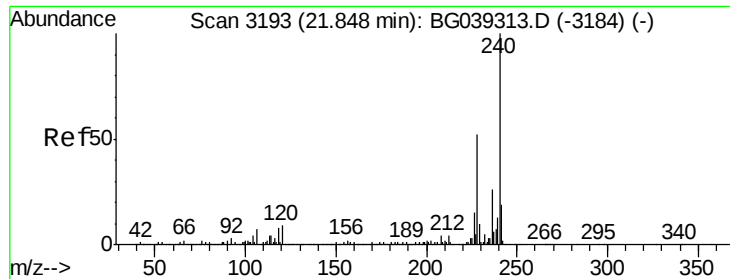


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

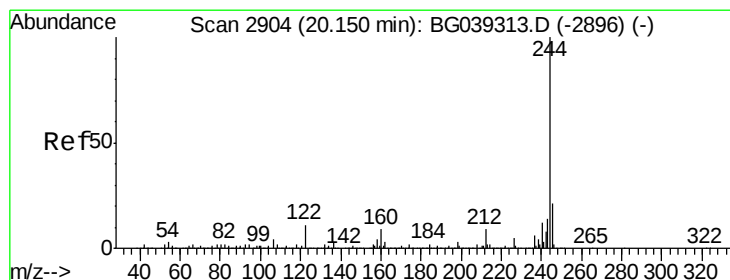
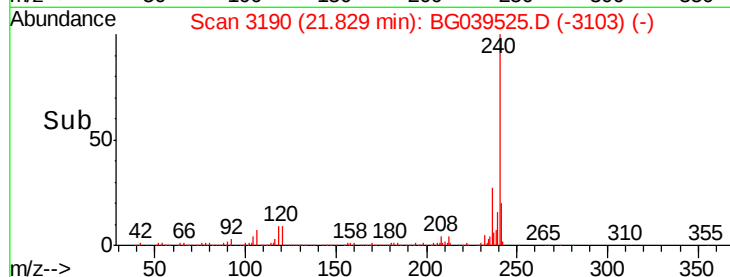
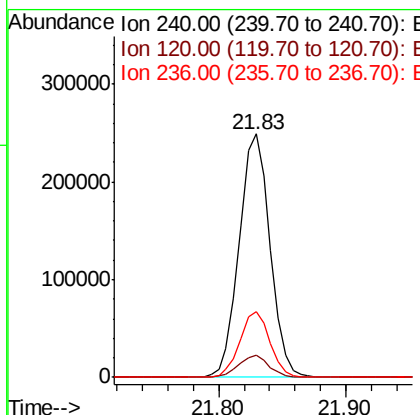
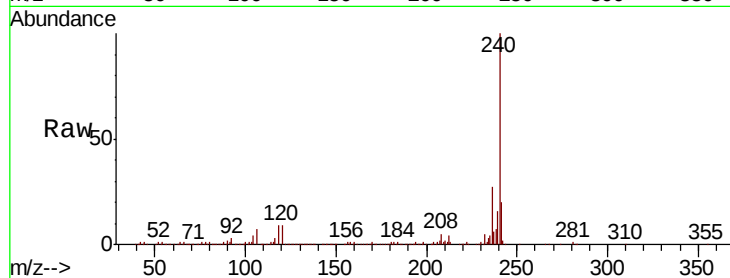




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3190
Delta R.T. -0.02 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

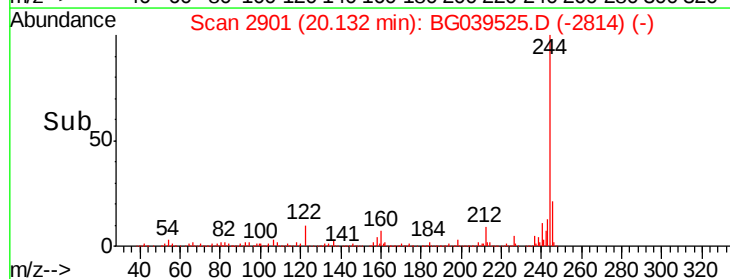
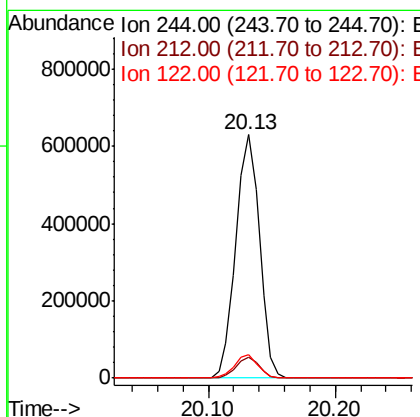
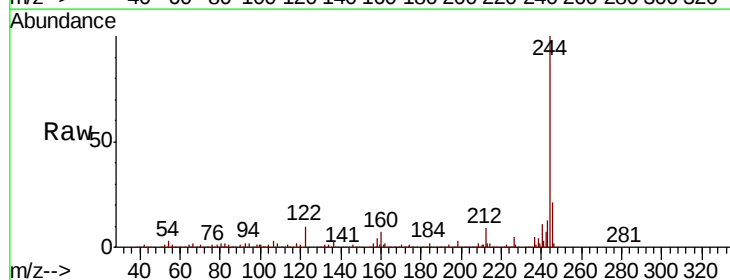
Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATORDL

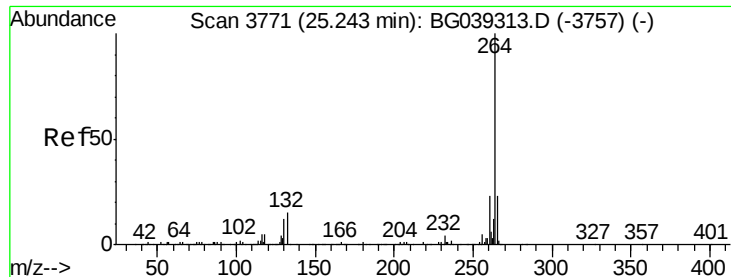
Tgt Ion:240 Resp: 419064
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.8 21.0 31.4



#79
Terphenyl-d14
Concen: 41.130 ng
RT: 20.13 min Scan# 2901
Delta R.T. -0.02 min
Lab File: BG039525.D
Acq: 15 Feb 2019 16:04

Tgt Ion:244 Resp: 814288
Ion Ratio Lower Upper
244 100
212 8.6 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: BG039525.D
Acq: 15 Feb 2019 16:04

Instrument :
BNA_G
ClientSampleId :
OIL-WATER-SEPERATORDL

Tgt Ion:	264	Resp:	428671
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.2	27.4
265	20.4	18.5	27.7

