

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039480.D
 Acq On : 13 Feb 2019 1:51
 Operator : JU/SJ
 Sample : K1457-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 IDW-SOIL-02

Quant Time: Feb 13 06:57:57 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

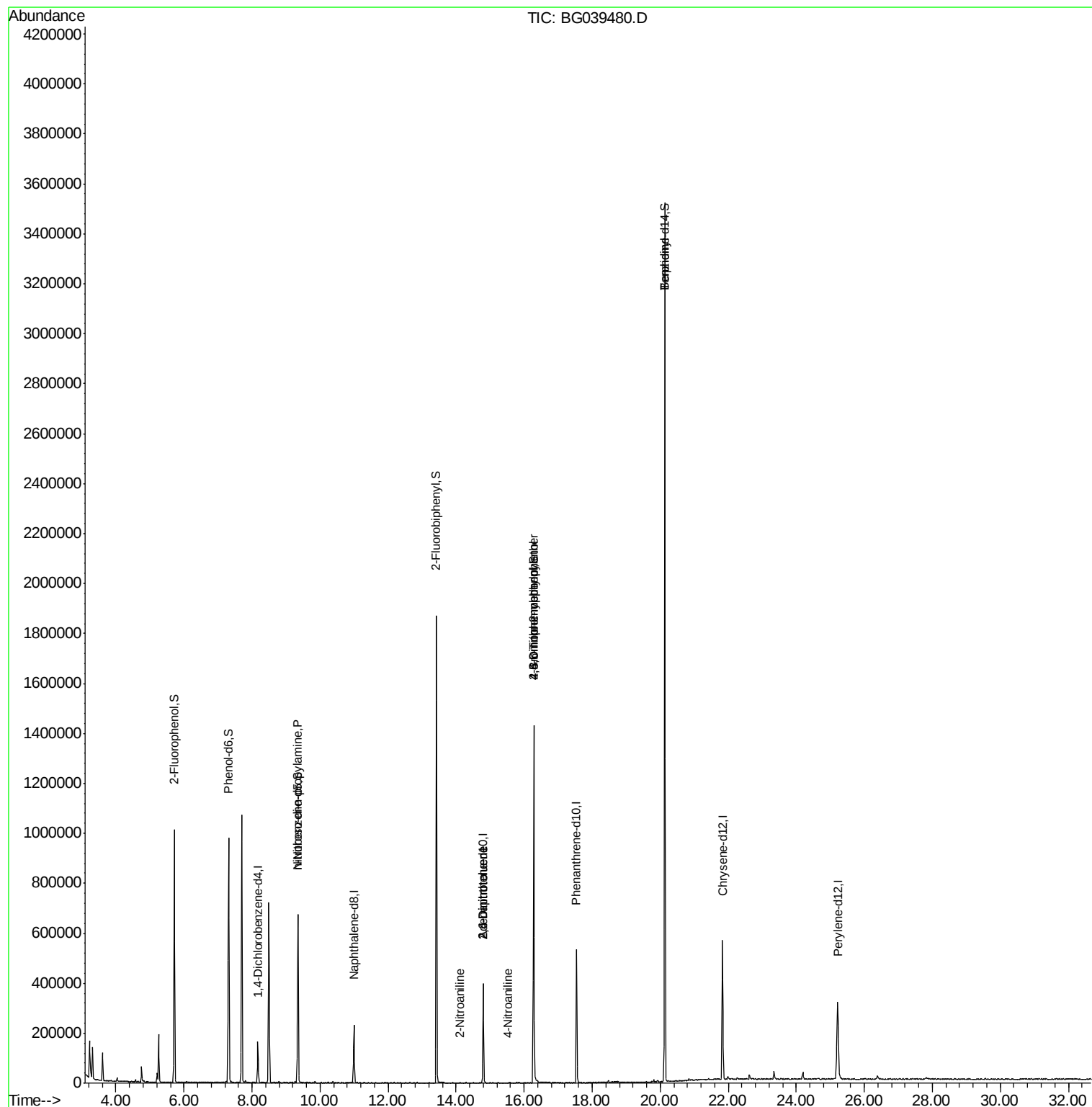
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	46855	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	196782	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	138763	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	344980	20.00	ng	-0.02
76) Chrysene-d12	21.83	240	357802	20.00	ng	-0.02
87) Perylene-d12	25.22	264	353650	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	413459	151.03	ng	0.00
7) Phenol-d6	7.31	99	560796	139.16	ng	0.00
23) Nitrobenzene-d5	9.35	82	397861	126.31	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	260115	174.08	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	964545	99.72	ng	-0.02
79) Terphenyl-d14	20.13	244	1592921	94.23	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.31	77	1074	Below Cal		Qvalue # 61
19) n-Nitroso-di-n-propylamine	9.36	70	52288	18.282 ng	#	65
48) 2-Nitroaniline	14.12	65	76	8.321 ng	#	10
51) 2,6-Dinitrotoluene	14.79	165	17972	13.967 ng	#	22
57) 2,4-Dinitrotoluene	14.79	165	17972	13.432 ng	#	17
62) 4-Nitroaniline	15.52	138	65	4.228 ng	#	10
65) 4,6-Dinitro-2-methylphenol	16.28	198	985	5.090 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	19631	5.129 ng	#	1
77) Benzidine	20.13	184	28879	2.462 ng	#	94

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

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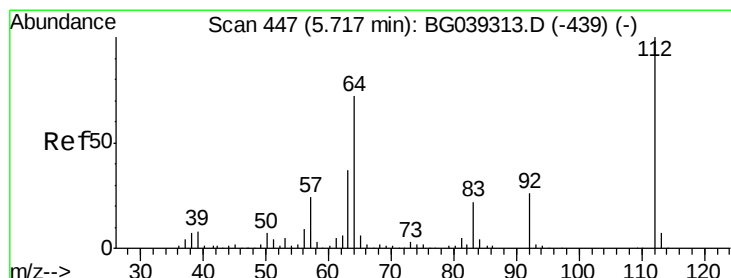
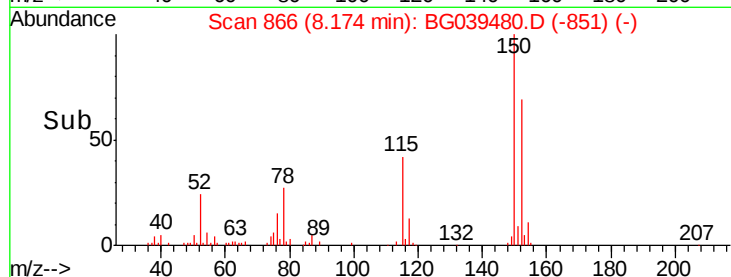
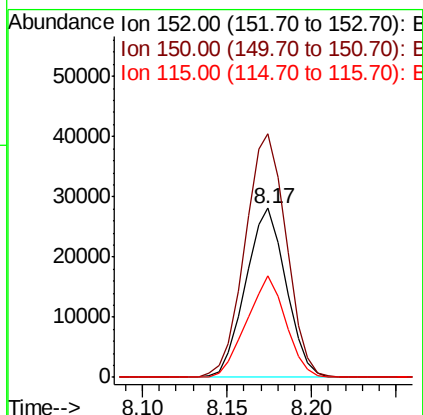
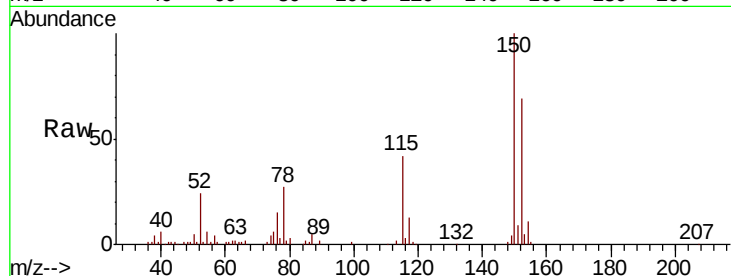


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-02

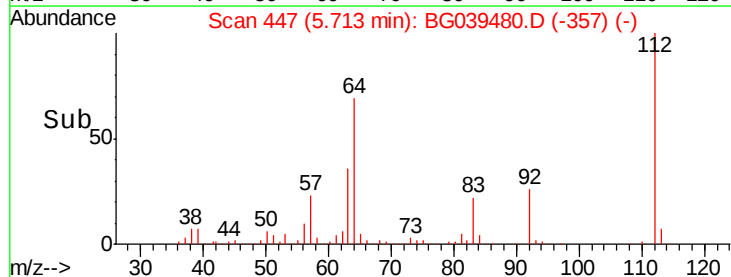
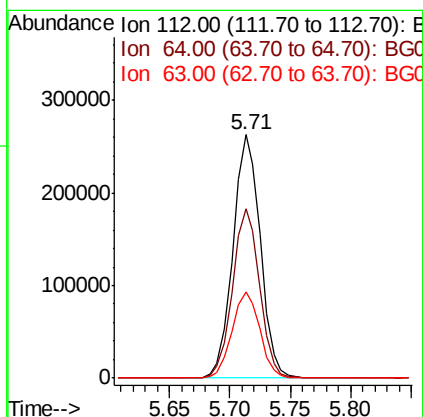
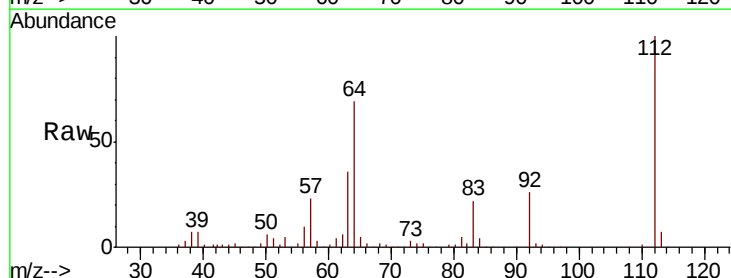
Tgt Ion:152 Resp: 46855
Ion Ratio Lower Upper
152 100
150 144.0 123.7 185.5
115 60.0 45.9 68.9

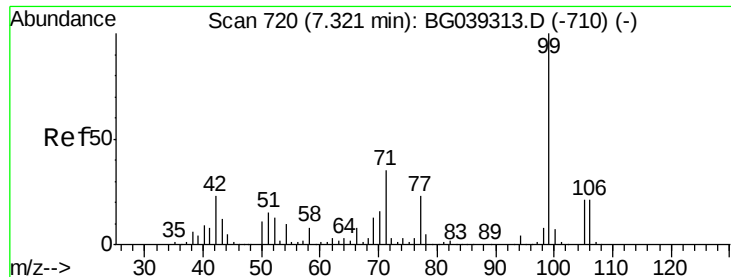


#5

2-Fluorophenol
Concen: 151.027 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Tgt Ion:112 Resp: 413459
Ion Ratio Lower Upper
112 100
64 69.4 57.8 86.8
63 35.6 29.8 44.6





#7

Phenol-d6

Concen: 139.165 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

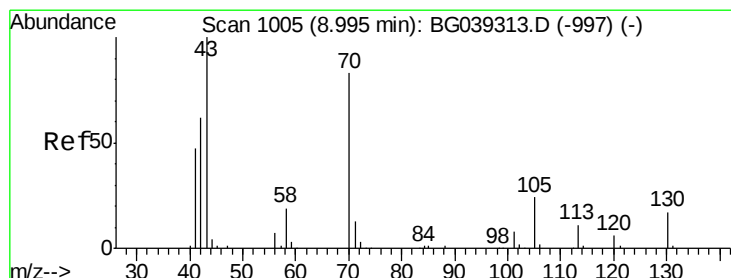
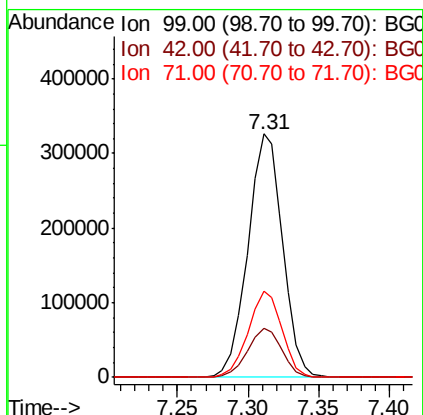
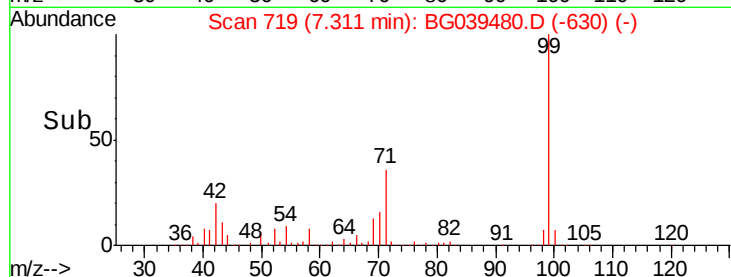
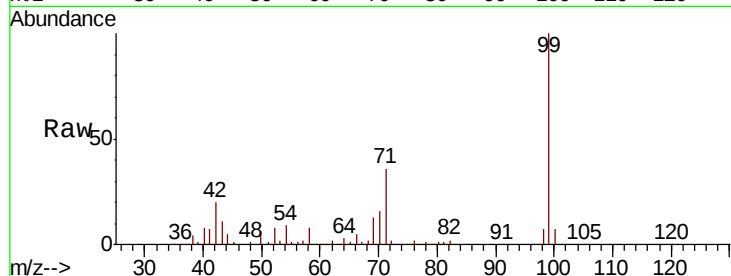
Tgt Ion: 99 Resp: 560796

Ion Ratio Lower Upper

99 100

42 20.2 18.2 27.2

71 35.6 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.282 ng

RT: 9.36 min Scan# 1067

Delta R.T. 0.36 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Tgt Ion: 70 Resp: 52288

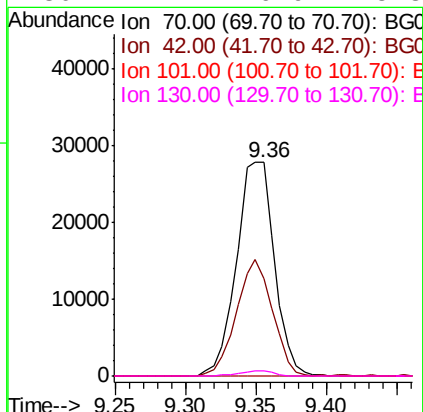
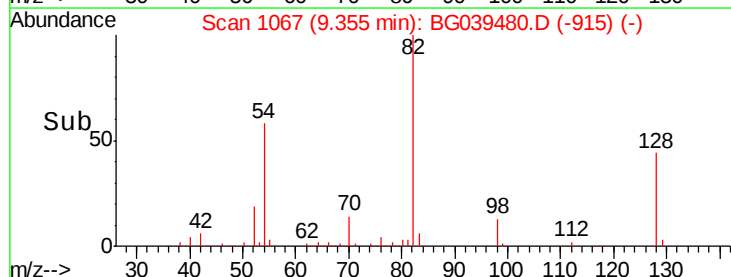
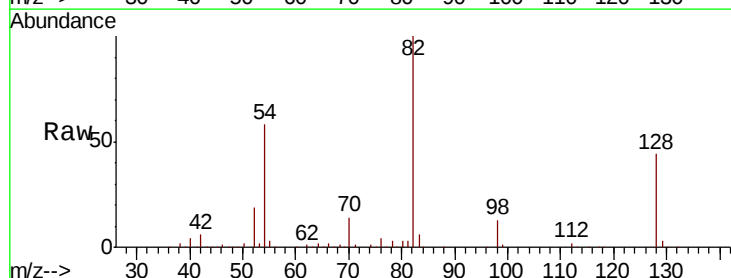
Ion Ratio Lower Upper

70 100

42 45.3 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

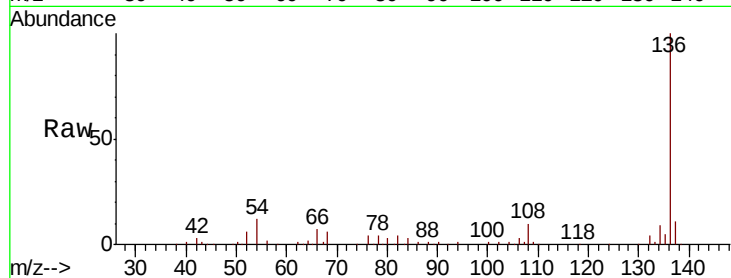




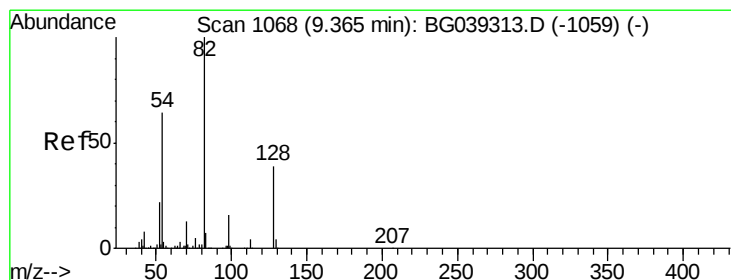
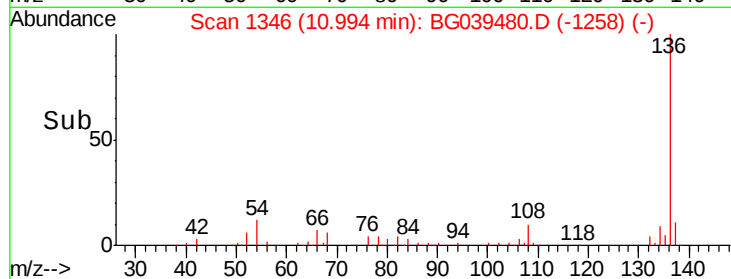
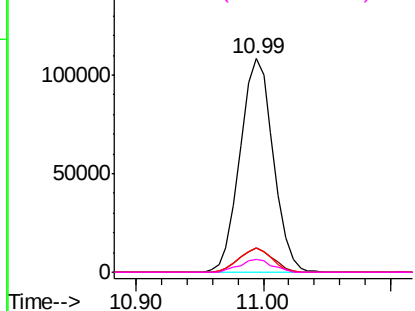
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-02

Tgt Ion:	136	Resp:	196782
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	11.5	9.4	14.2
68	5.8	4.2	6.4

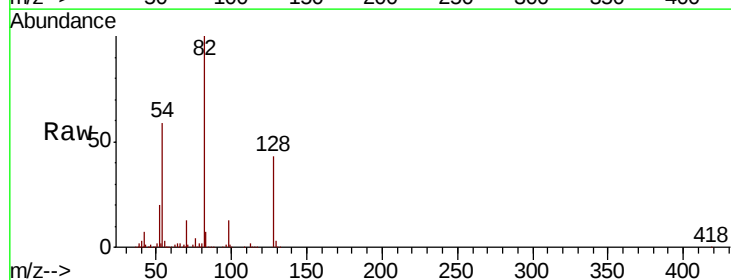


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

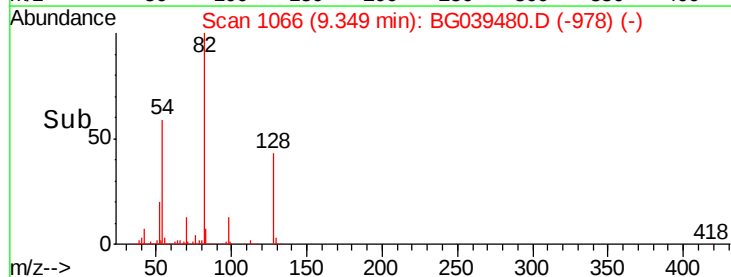
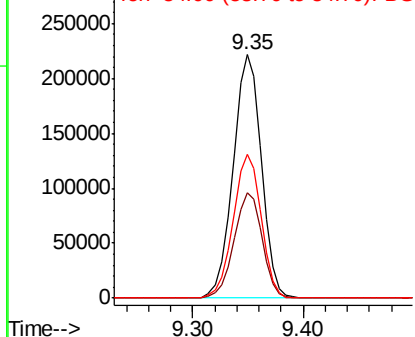


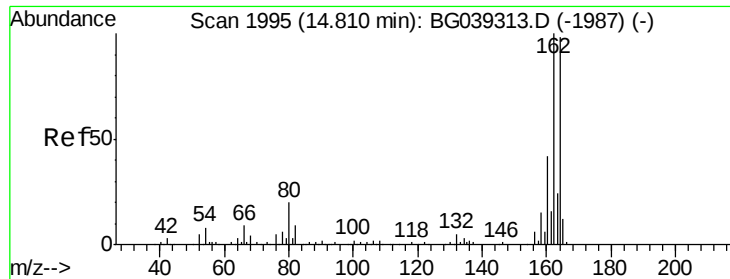
#23
Nitrobenzene-d5
Concen: 126.307 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Tgt Ion:	82	Resp:	397861
Ion	Ratio	Lower	Upper
82	100		
128	43.4	31.3	46.9
54	58.8	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

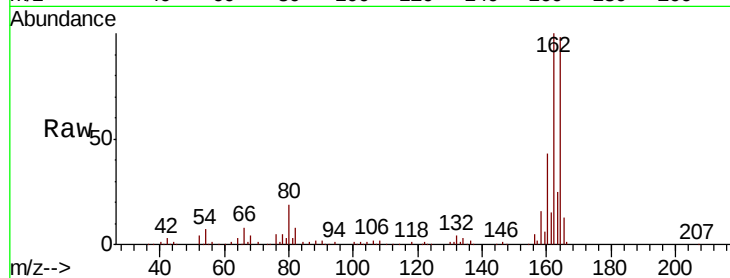
Tgt Ion:164 Resp: 138763

Ion Ratio Lower Upper

164 100

162 102.5 81.6 122.4

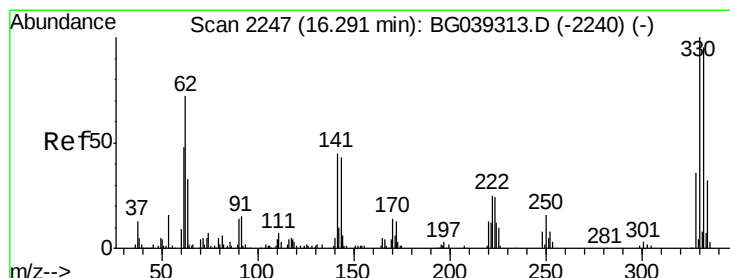
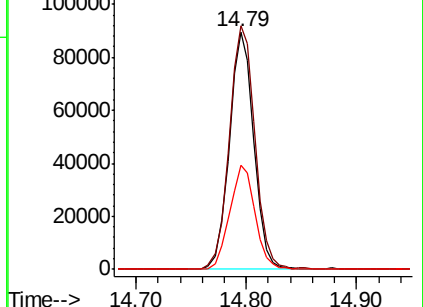
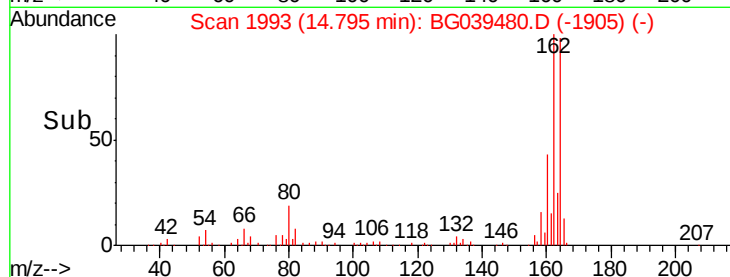
160 43.9 34.2 51.2



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: 174.078 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

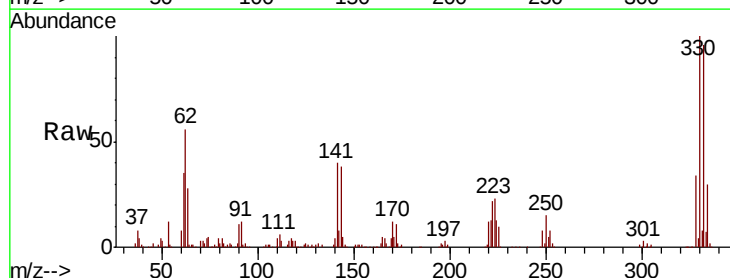
Tgt Ion:330 Resp: 260115

Ion Ratio Lower Upper

330 100

332 95.4 75.7 113.5

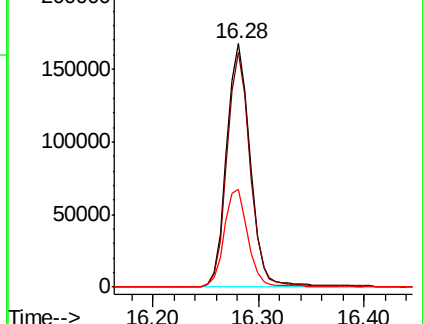
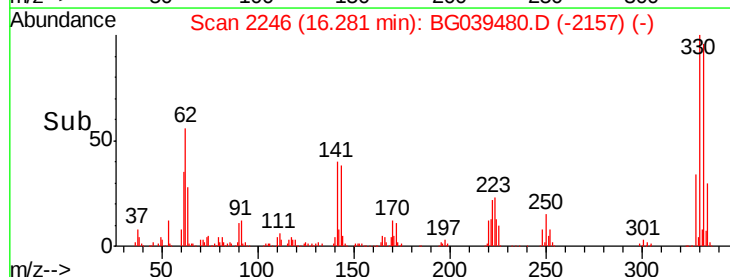
141 40.7 35.6 53.4

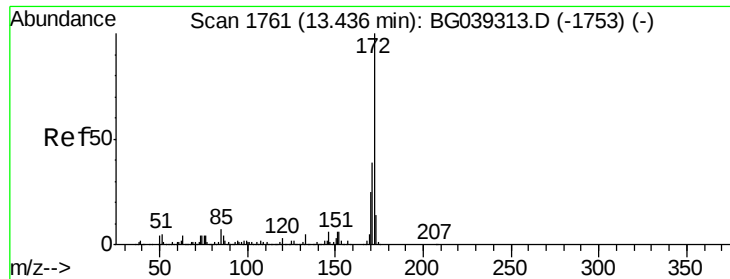


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

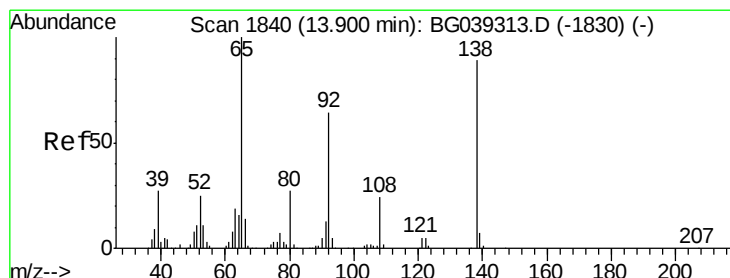
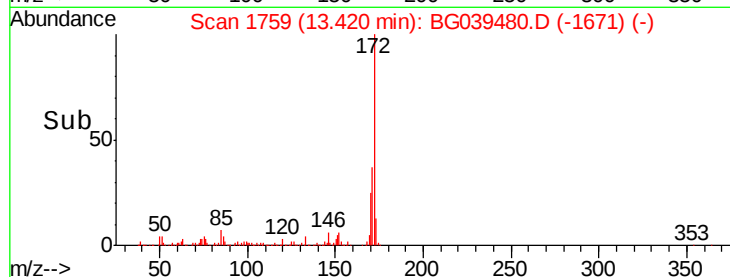
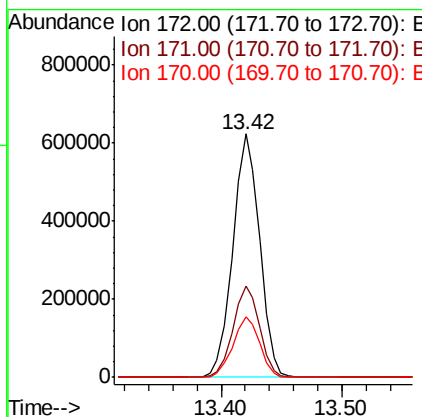
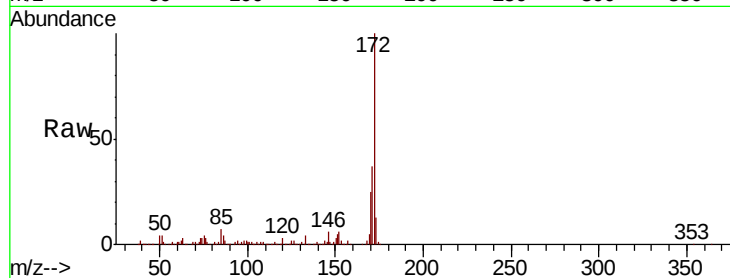




#45
 2-Fluorobiphenyl
 Concen: 99.716 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

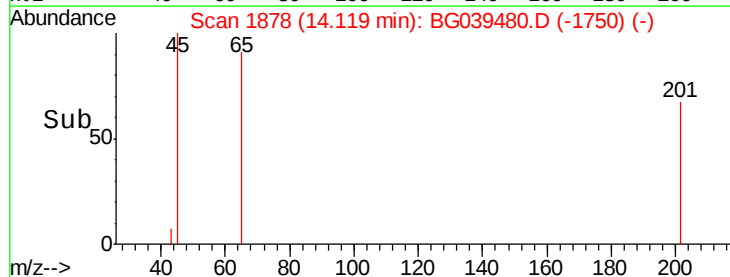
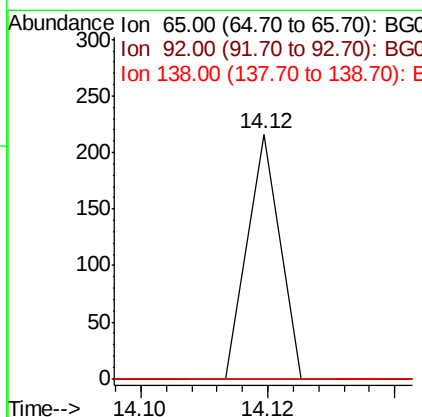
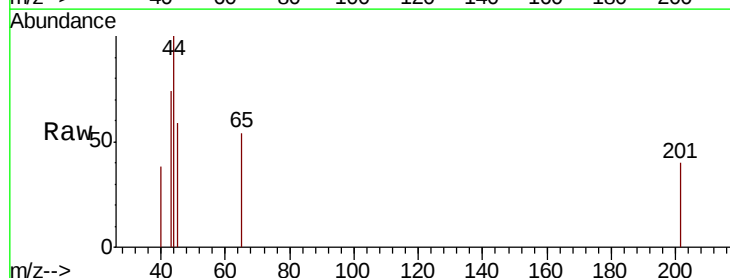
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-02

Tgt Ion: 172 Resp: 964545
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.8 46.2
 170 24.8 20.2 30.4



#48
 2-Nitroaniline
 Concen: 8.321 ng
 RT: 14.12 min Scan# 1878
 Delta R.T. 0.22 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Tgt Ion: 65 Resp: 76
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.4 77.2#
 138 0.0 71.4 107.2#





#51

2,6-Dinitrotoluene

Concen: 13.967 ng

RT: 14.79 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

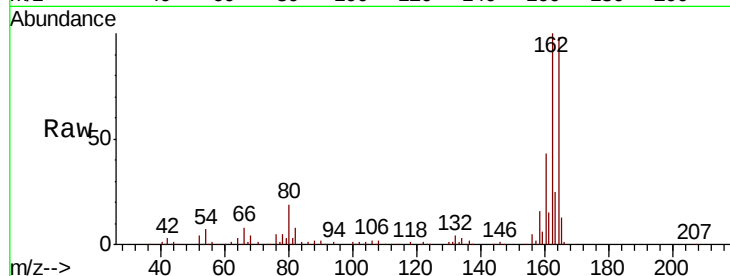
Tgt Ion:165 Resp: 17972

Ion Ratio Lower Upper

165 100

63 0.0 47.0 70.6#

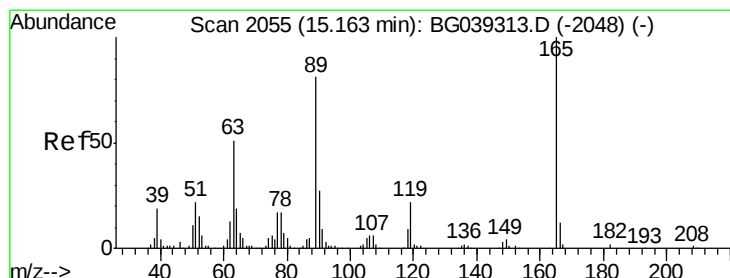
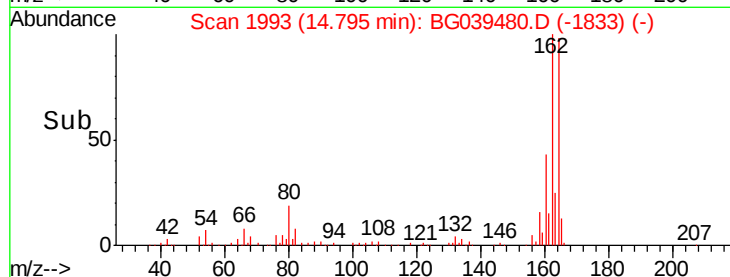
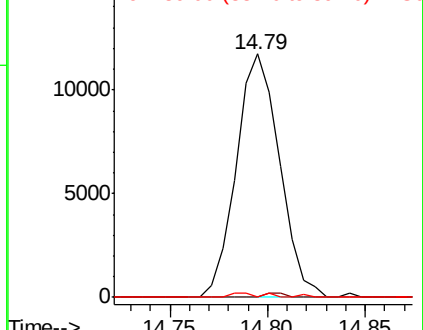
89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#57

2,4-Dinitrotoluene

Concen: 13.432 ng

RT: 14.79 min Scan# 1993

Delta R.T. -0.37 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Tgt Ion:165 Resp: 17972

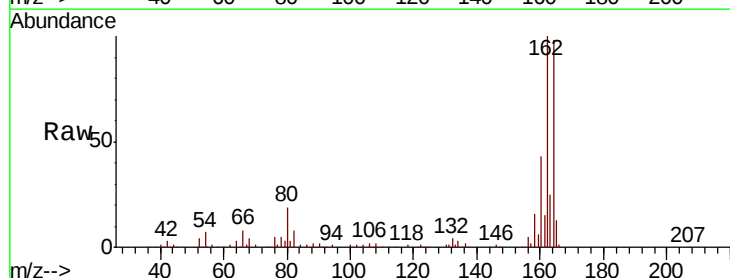
Ion Ratio Lower Upper

165 100

63 0.0 41.0 61.6#

89 0.0 64.6 96.8#

182 0.0 2.0 3.0#

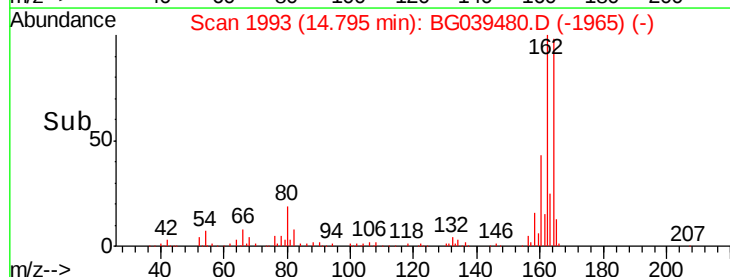
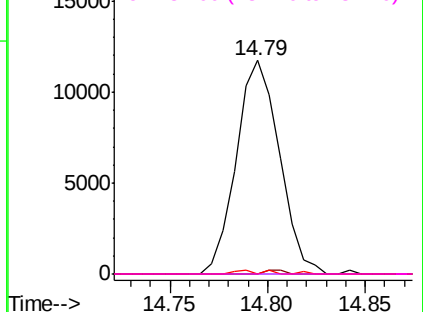


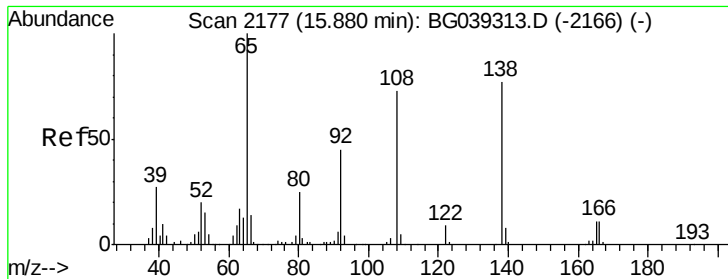
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#62

4-Nitroaniline

Concen: 4.228 ng

RT: 15.52 min Scan# 2116

Delta R.T. -0.36 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

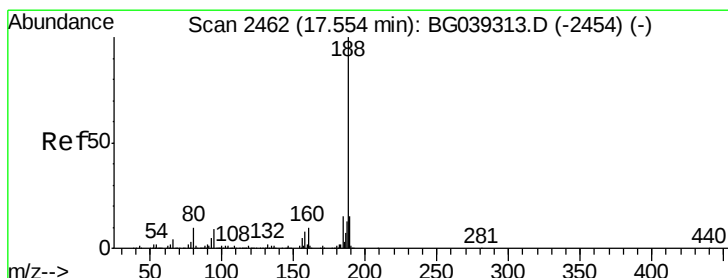
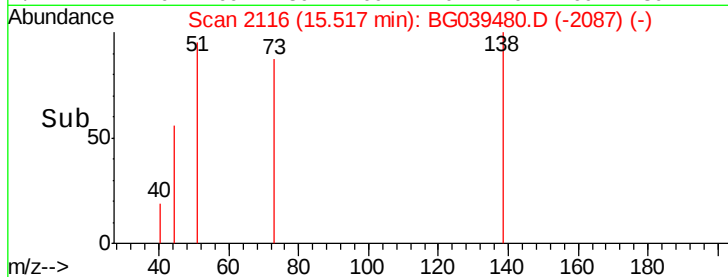
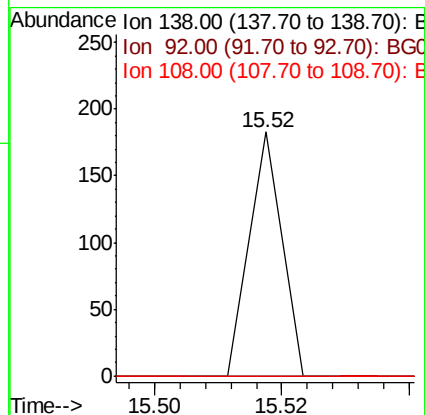
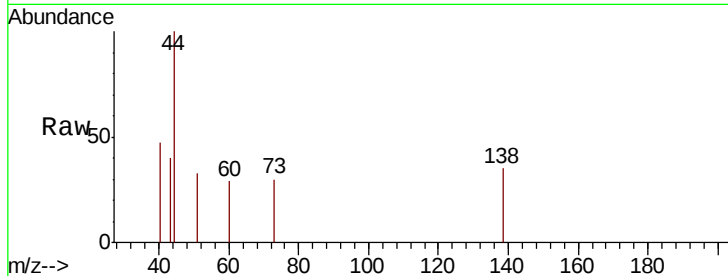
BNA_G

ClientSampleId :

IDW-SOIL-02

Tgt Ion:138 Resp: 65

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

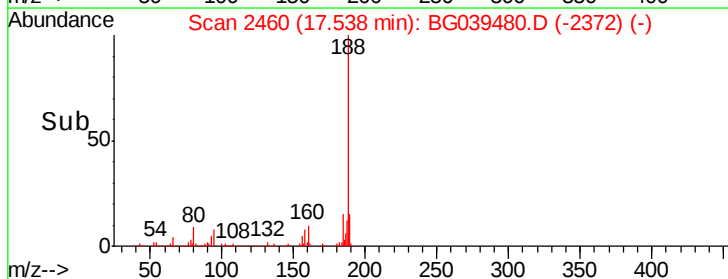
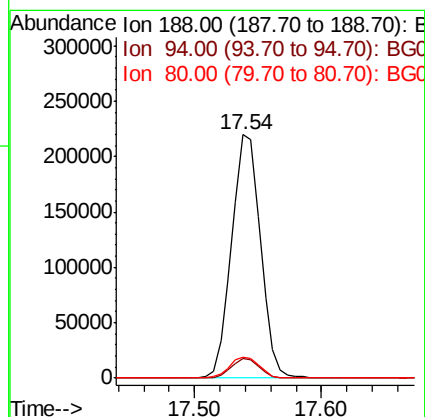
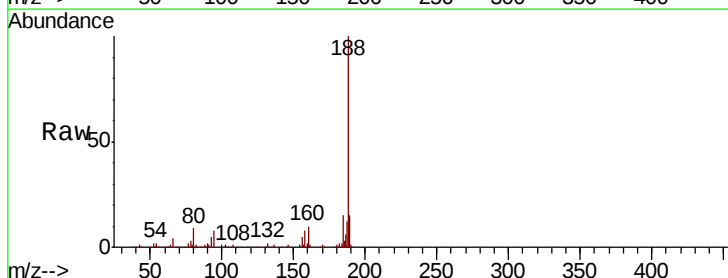
Delta R.T. -0.02 min

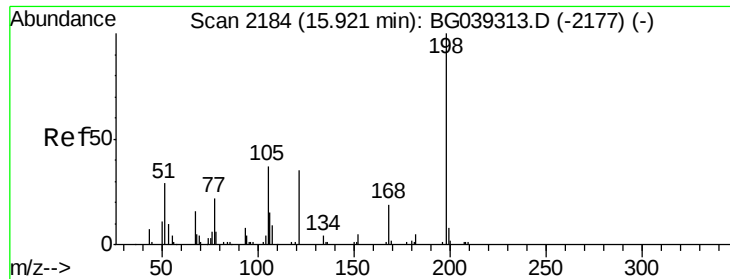
Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Tgt Ion:188 Resp: 344980

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	8.8	8.1	12.1

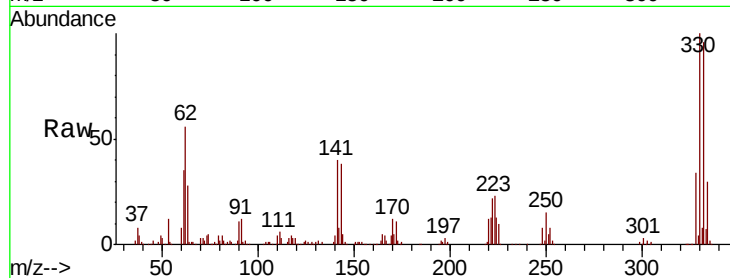




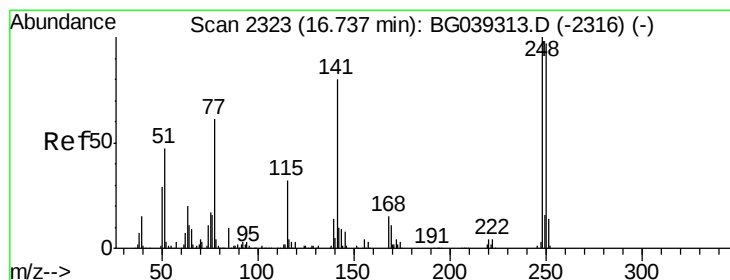
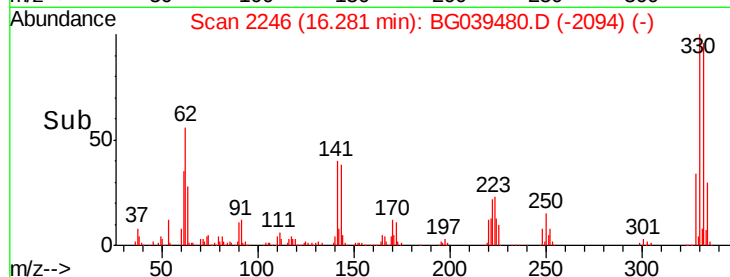
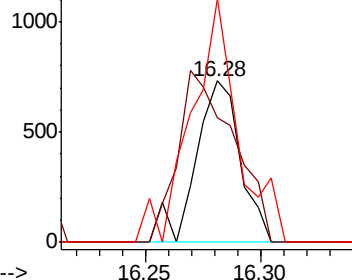
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.090 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. 0.36 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-02

Tgt Ion:198 Resp: 985
 Ion Ratio Lower Upper
 198 100
 51 77.0 27.4 67.4#
 105 150.7 19.7 59.7#

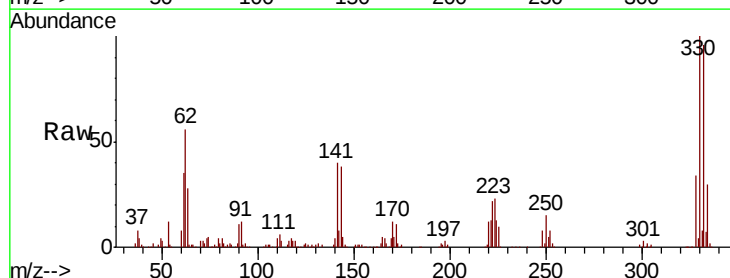


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

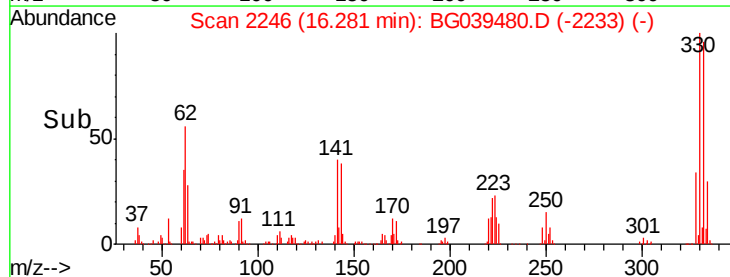
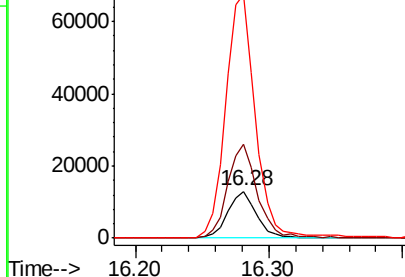


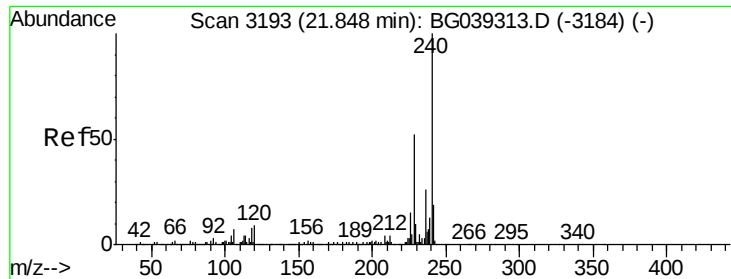
#67
 4-Bromophenyl-phenylether
 Concen: 5.129 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039480.D
 Acq: 13 Feb 2019 1:51

Tgt Ion:248 Resp: 19631
 Ion Ratio Lower Upper
 248 100
 250 199.1 77.6 116.4#
 141 518.6 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

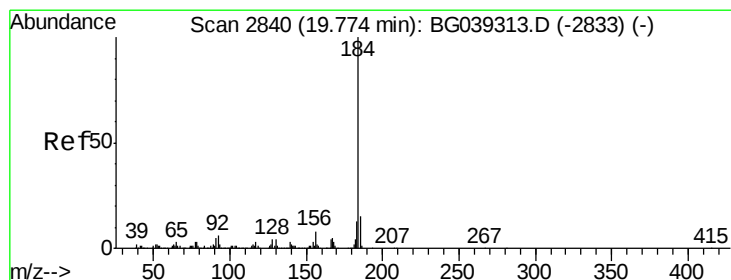
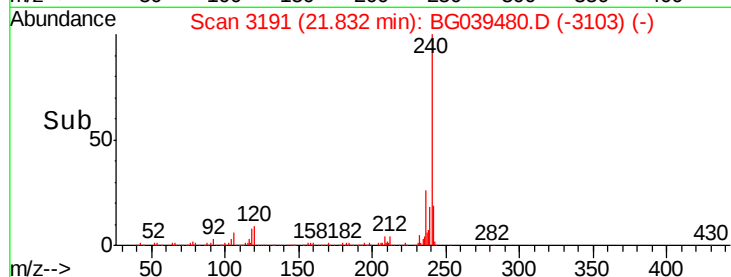
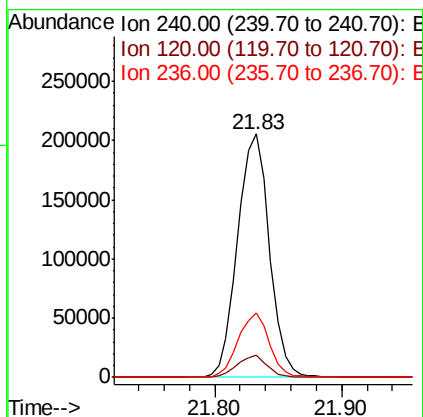
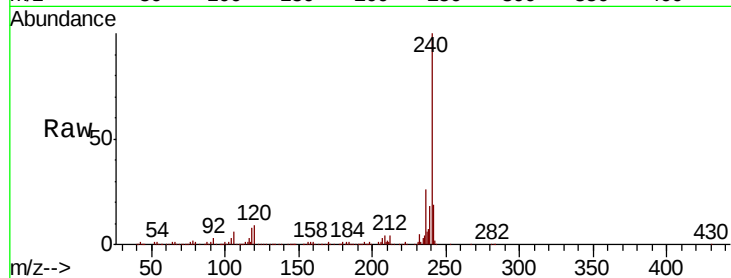




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3191
Delta R.T. -0.02 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

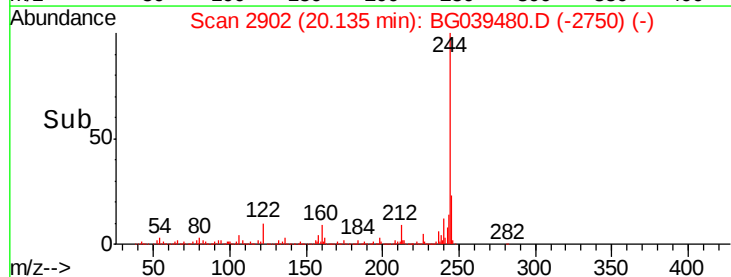
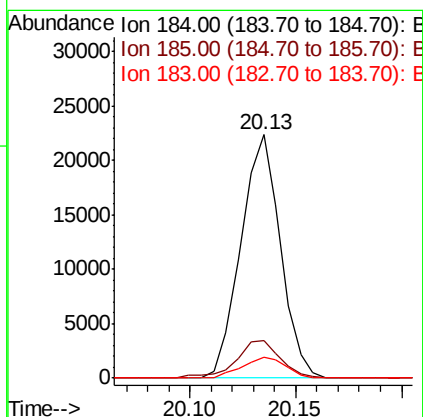
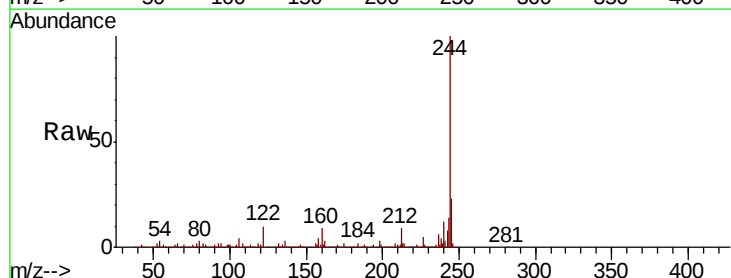
Instrument :
BNA_G
ClientSampled :
IDW-SOIL-02

Tgt Ion:240 Resp: 357802
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 26.4 21.0 31.4



#77
Benzidine
Concen: 2.462 ng
RT: 20.13 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039480.D
Acq: 13 Feb 2019 1:51

Tgt Ion:184 Resp: 28879
Ion Ratio Lower Upper
184 100
185 15.5 12.2 18.2
183 8.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 94.234 ng

RT: 20.13 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-02

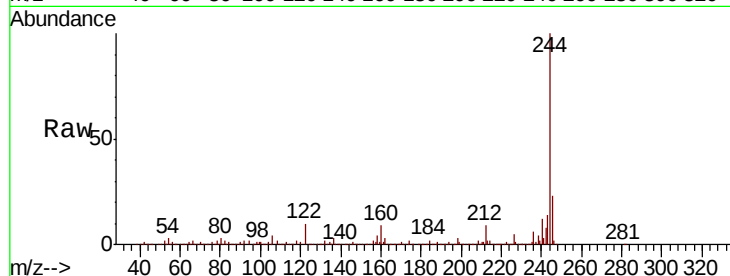
Tgt Ion:244 Resp: 1592921

Ion Ratio Lower Upper

244 100

212 9.4 7.3 10.9

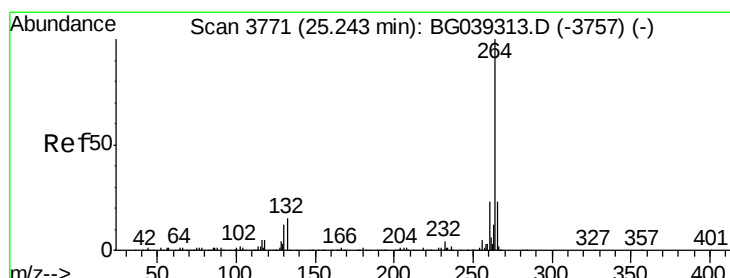
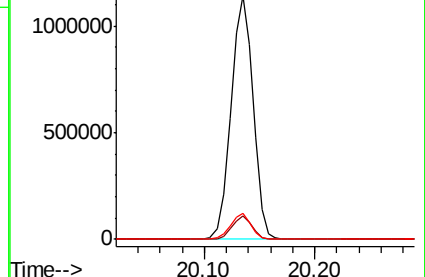
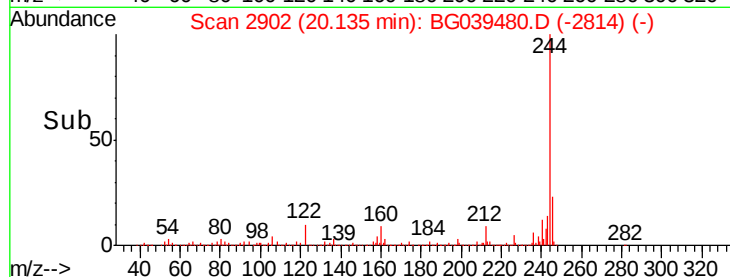
122 10.4 8.4 12.6



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: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039480.D

Acq: 13 Feb 2019 1:51

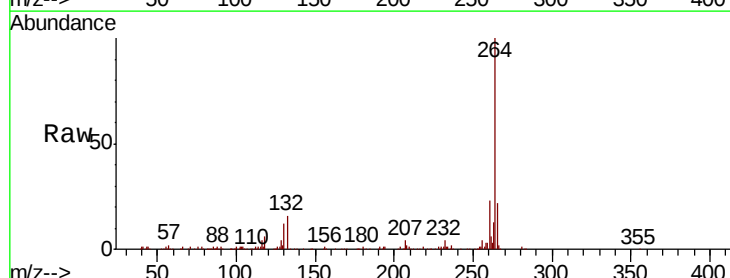
Tgt Ion:264 Resp: 353650

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.4

265 21.8 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

