

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039481.D
 Acq On : 13 Feb 2019 2:31
 Operator : JU/SJ
 Sample : K1457-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Quant Time: Feb 13 06:58:08 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	47816	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	208551	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	146640	20.00	ng	-0.02
64) Phenanthrene-d10	17.54	188	354052	20.00	ng	0.00
76) Chrysene-d12	21.83	240	373284	20.00	ng	-0.02
87) Perylene-d12	25.22	264	368901	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	435445	155.86	ng	0.00
7) Phenol-d6	7.31	99	590698	143.64	ng	0.00
23) Nitrobenzene-d5	9.35	82	412456	123.55	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	270785	171.48	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	983754	96.24	ng	-0.02
79) Terphenyl-d14	20.13	244	1645752	93.32	ng	-0.02

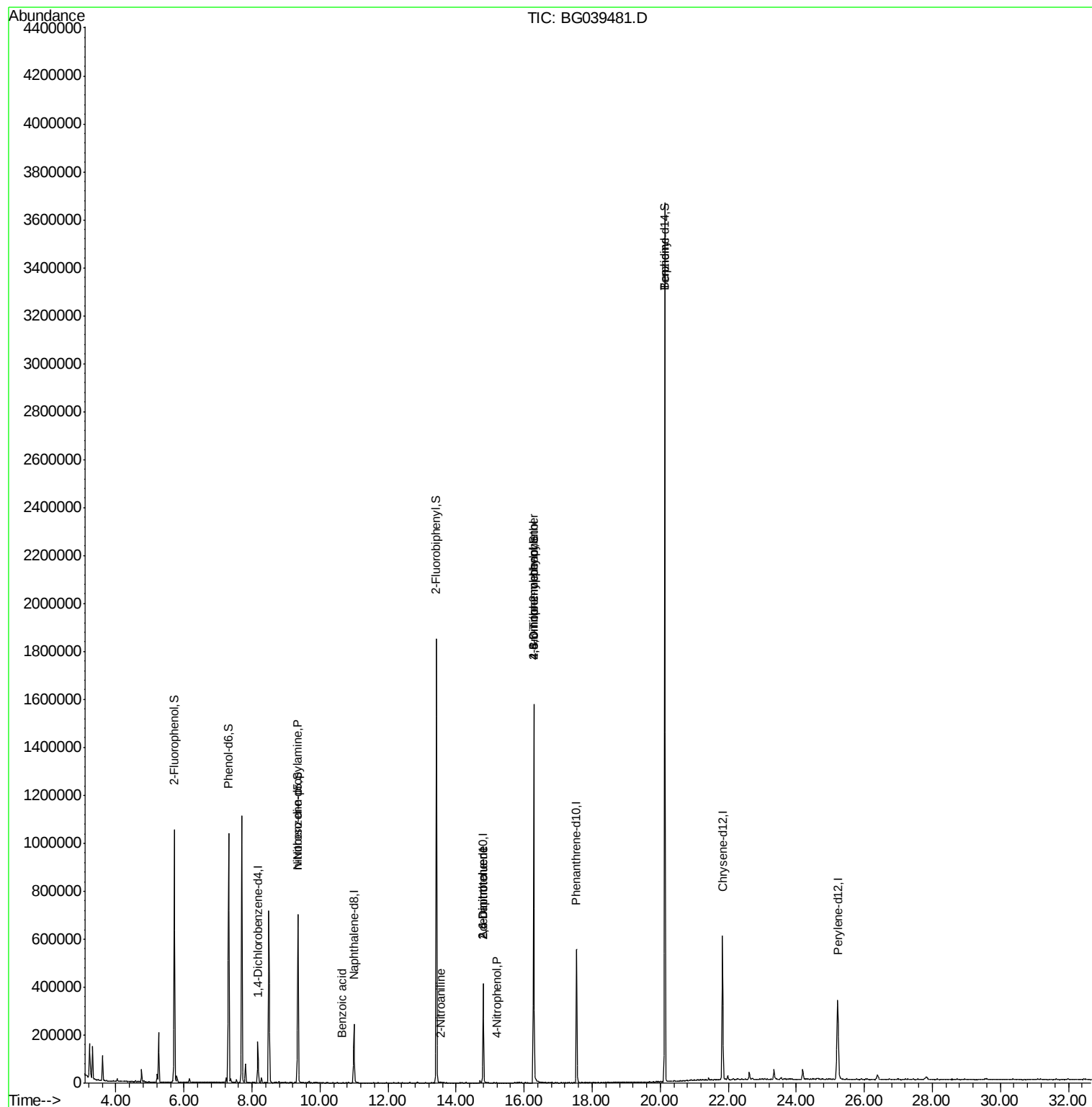
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.30	77	1787	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	9.35	70	53959	18.487	ng	# 68
32) Benzoic acid	10.65	122	55	9.044	ng	# 1
48) 2-Nitroaniline	13.55	65	61	8.315	ng	# 10
51) 2,6-Dinitrotoluene	14.79	165	17923	13.550	ng	# 23
56) 4-Nitrophenol	15.19	139	208	5.884	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	17923	13.116	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.28	198	912	5.001	ng	# 1
67) 4-Bromophenyl-phenylether	16.28	248	21142	5.383	ng	# 1
77) Benzidine	20.13	184	29433	2.405	ng	# 92

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

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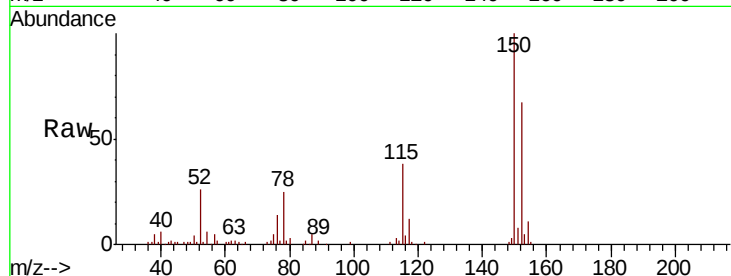


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.17 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.7	123.7	185.5
115	57.0	45.9	68.9

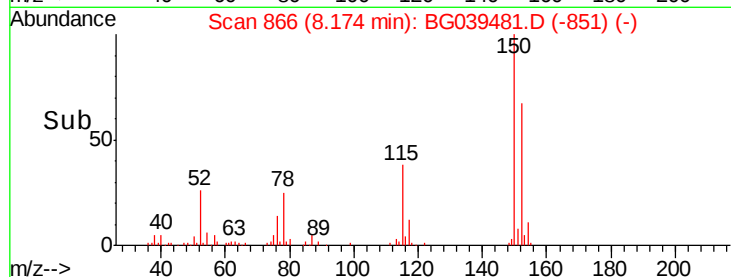
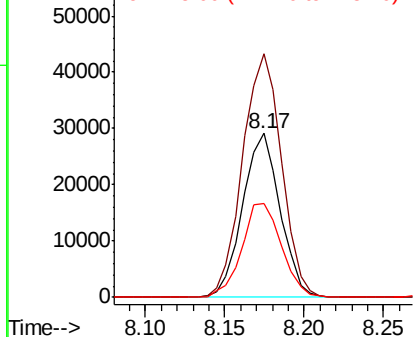


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

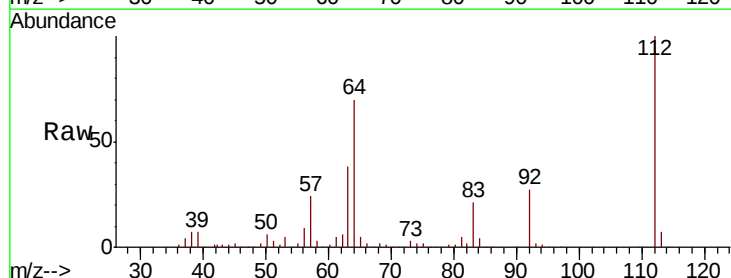
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 155.862 ng
 RT: 5.71 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	57.8	86.8
63	38.3	29.8	44.6

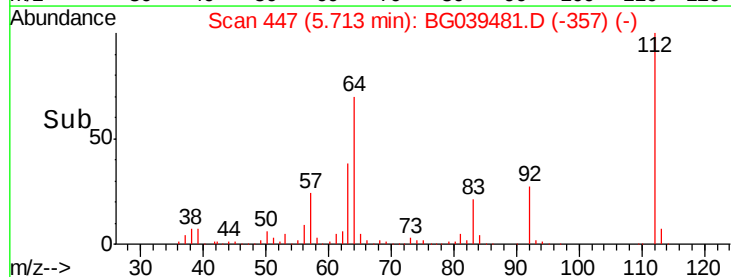
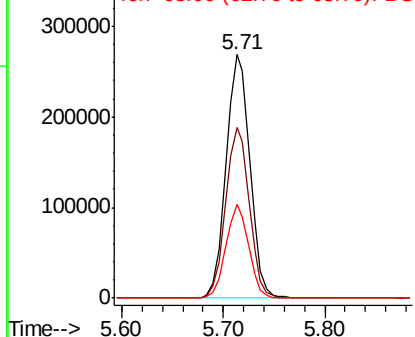


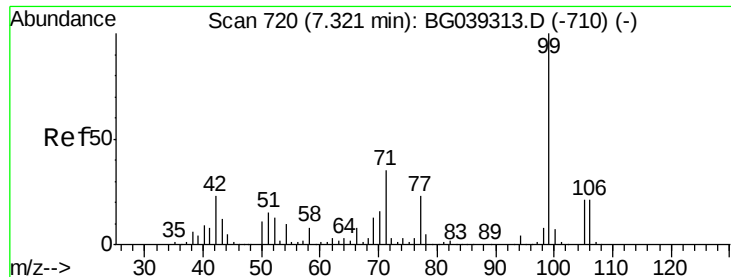
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 143.639 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-03

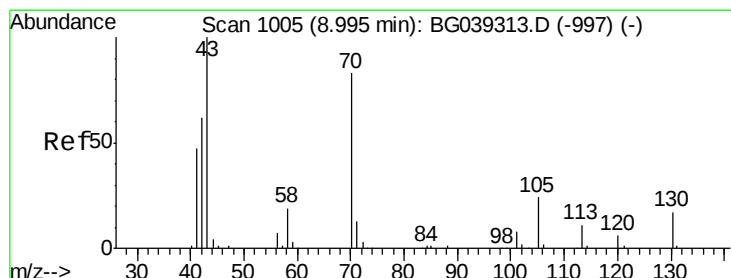
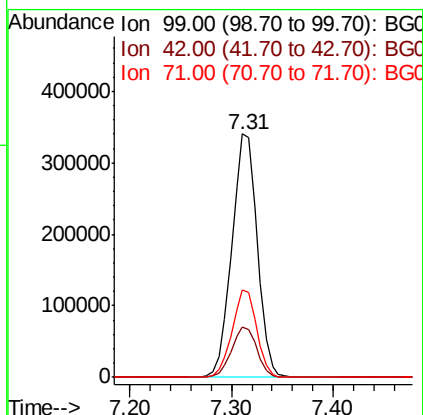
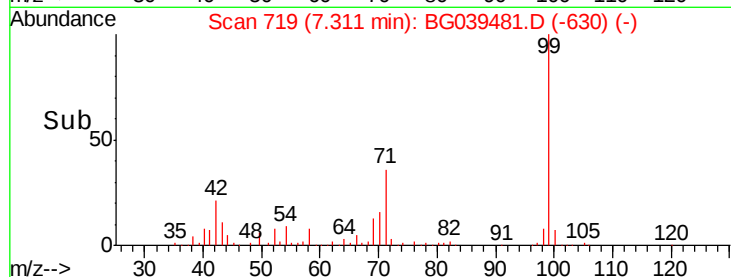
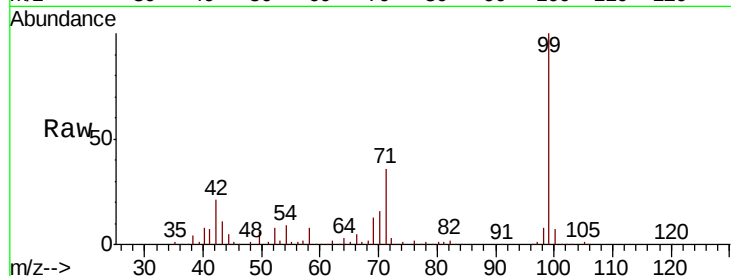
Tgt Ion: 99 Resp: 590698

Ion Ratio Lower Upper

99 100

42 20.6 18.2 27.2

71 35.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.487 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.35 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Tgt Ion: 70 Resp: 53959

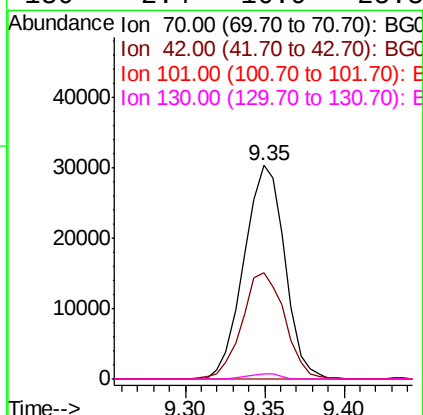
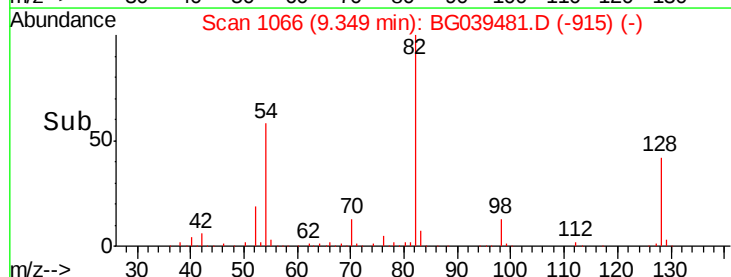
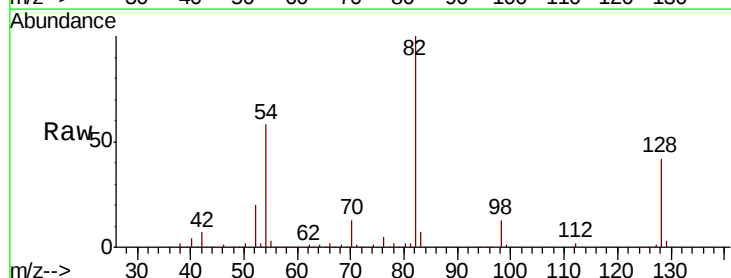
Ion Ratio Lower Upper

70 100

42 49.8 60.4 90.6#

101 0.0 7.5 11.3#

130 2.4 16.9 25.3#

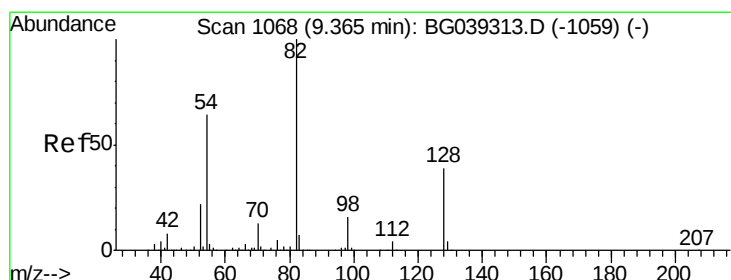
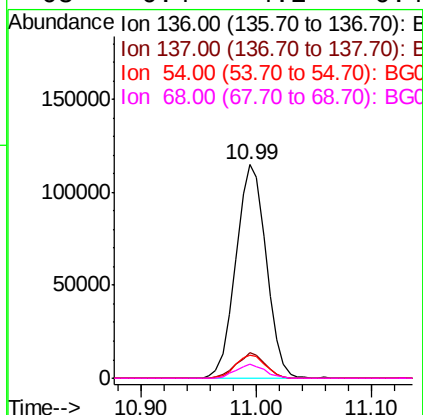
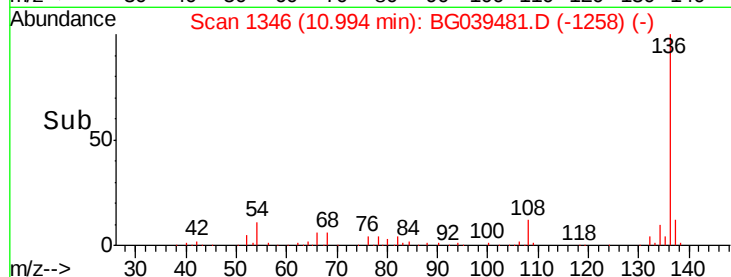
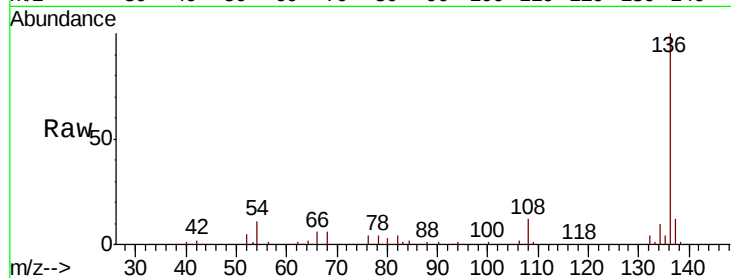




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

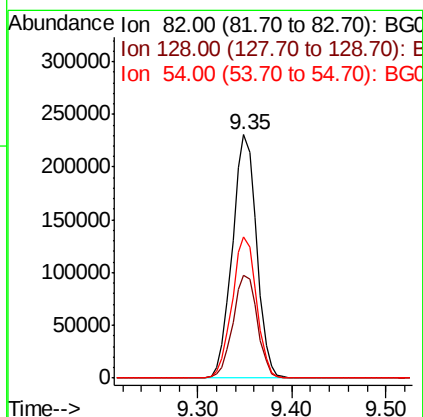
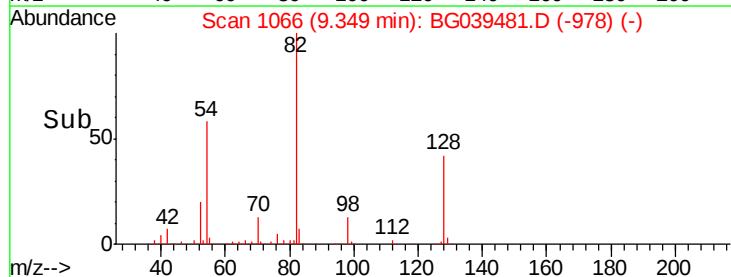
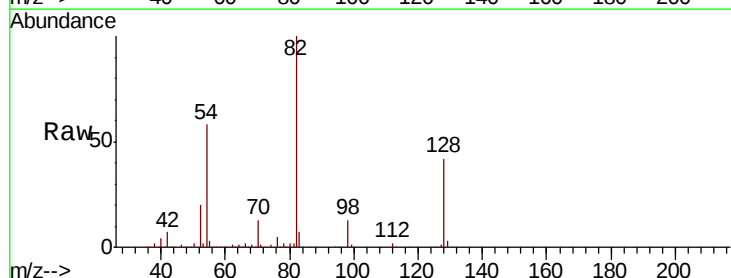
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

Tgt Ion:	136	Resp:	208551
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.1	13.7
54	10.8	9.4	14.2
68	6.4	4.2	6.4#



#23
Nitrobenzene-d5
Concen: 123.551 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion:	82	Resp:	412456
Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	58.1	50.9	76.3

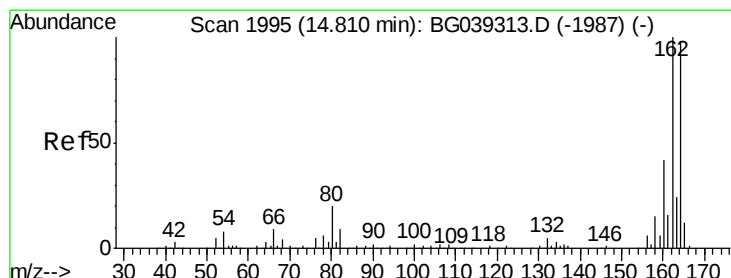
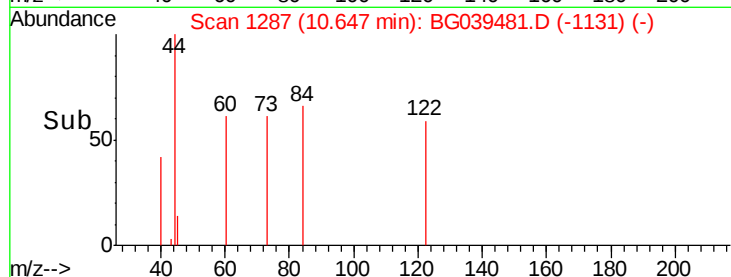
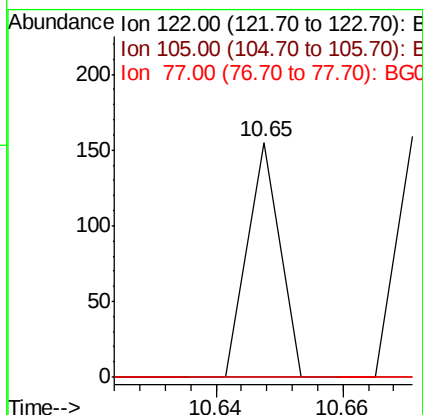
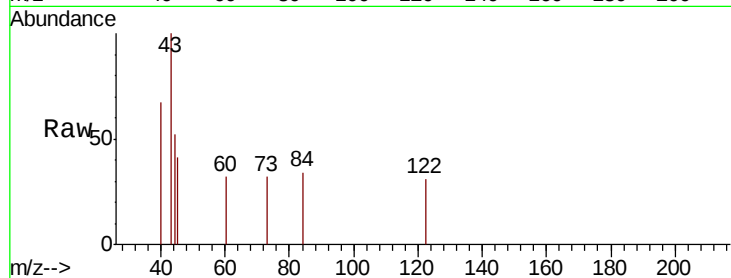




#32
Benzoic acid
Concen: 9.044 ng
RT: 10.65 min Scan# 1287
Delta R.T. 0.38 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

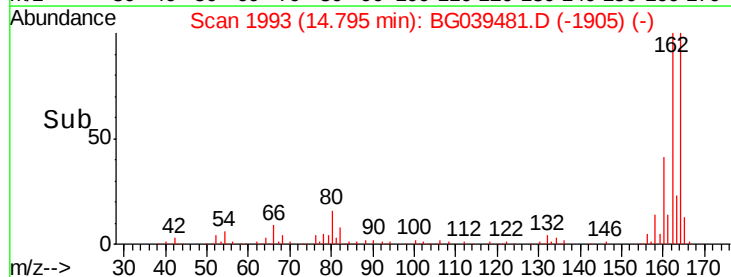
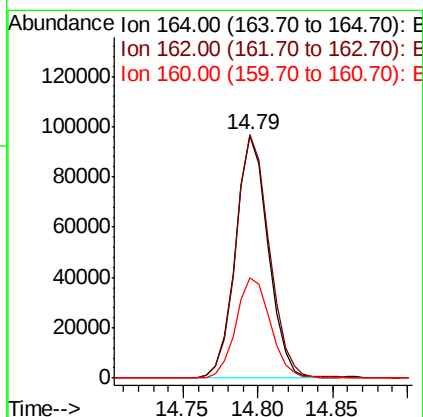
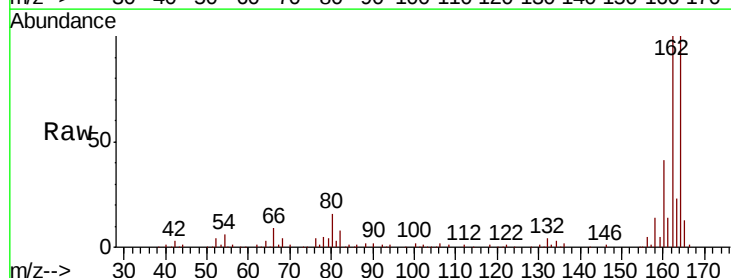
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

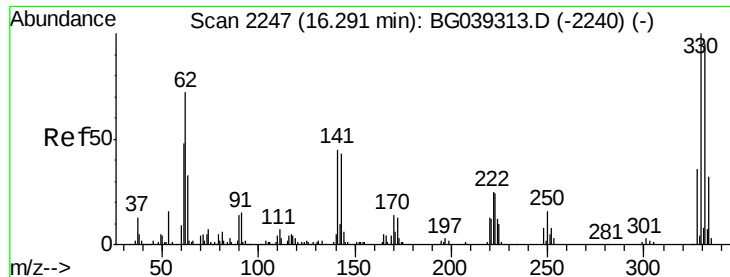
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.8	141.8#
77	0.0	76.3	116.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	41.4	34.2	51.2

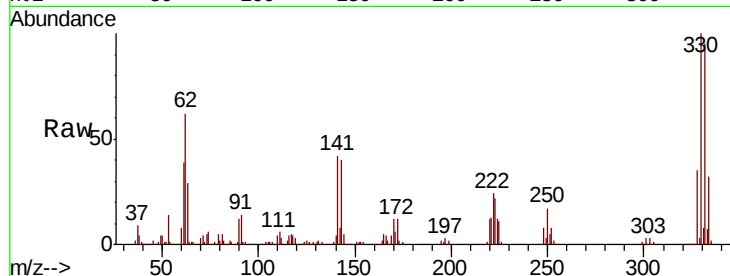




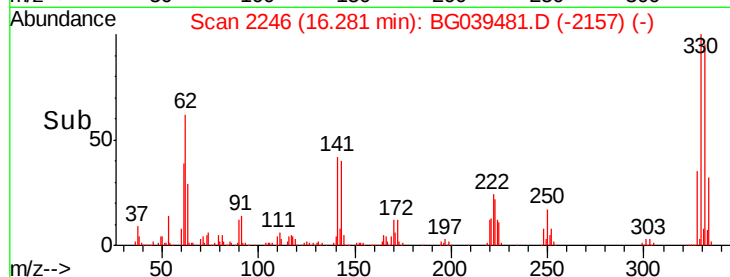
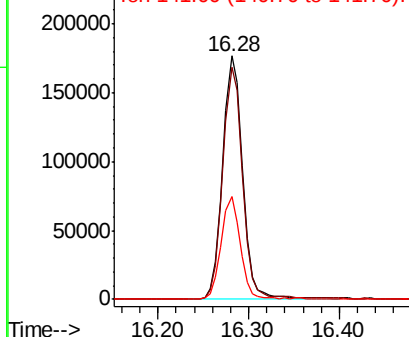
#42
 2,4,6-Tribromophenol
 Concen: 171.485 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Tgt Ion: 330 Resp: 270785
 Ion Ratio Lower Upper
 330 100
 332 94.5 75.7 113.5
 141 40.2 35.6 53.4

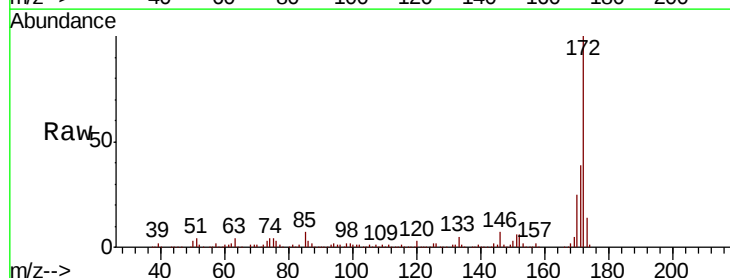


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

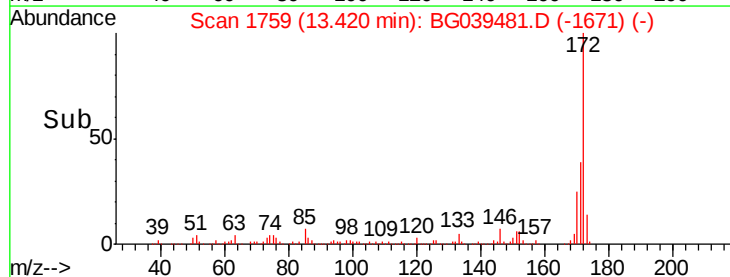
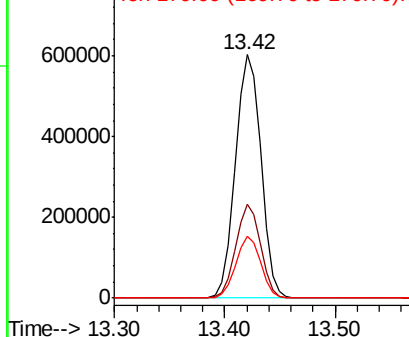


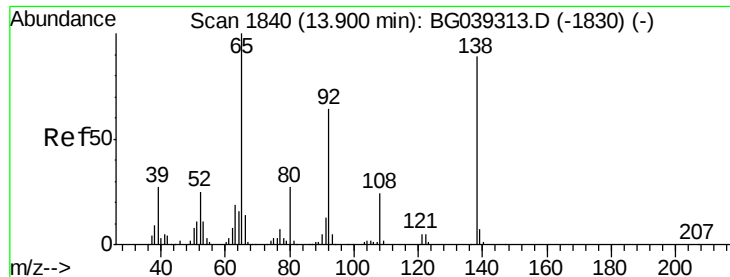
#45
 2-Fluorobiphenyl
 Concen: 96.239 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Tgt Ion: 172 Resp: 983754
 Ion Ratio Lower Upper
 172 100
 171 38.7 30.8 46.2
 170 25.2 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

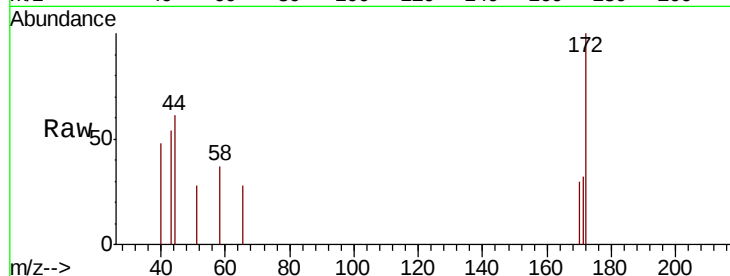




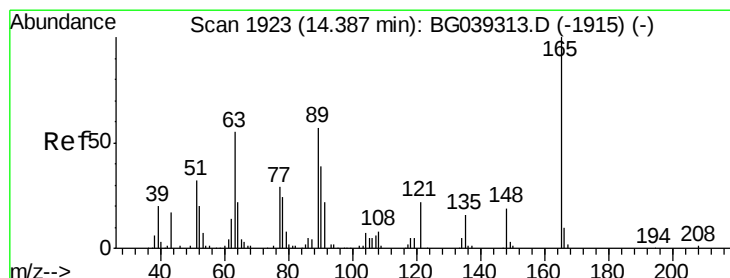
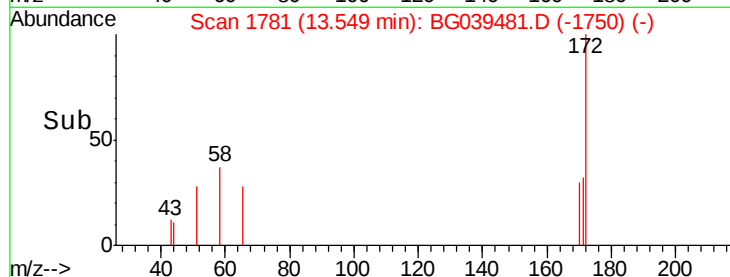
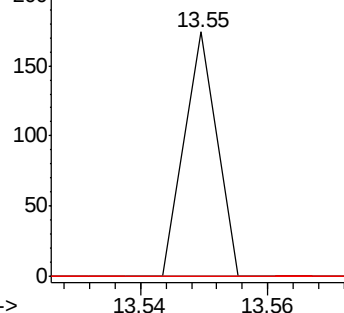
#48
2-Nitroaniline
Concen: 8.315 ng
RT: 13.55 min Scan# 1781
Delta R.T. -0.35 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 65 Resp: 61
Ion Ratio Lower Upper
65 100
92 0.0 51.4 77.2#
138 0.0 71.4 107.2#

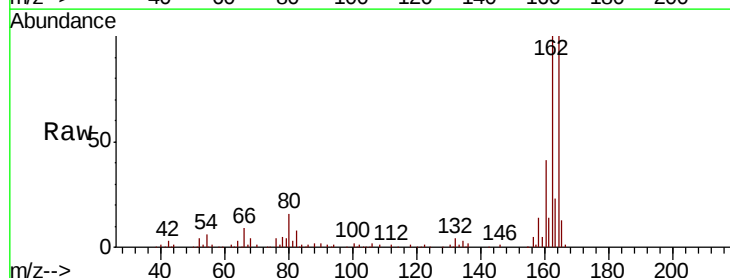


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

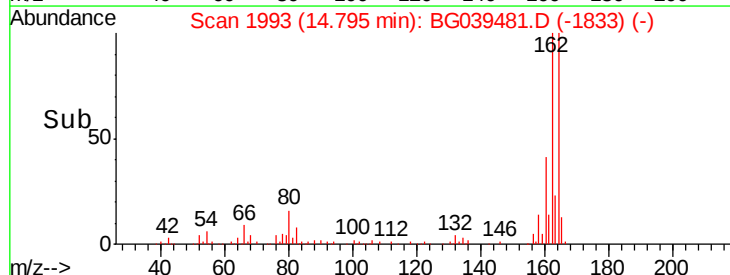
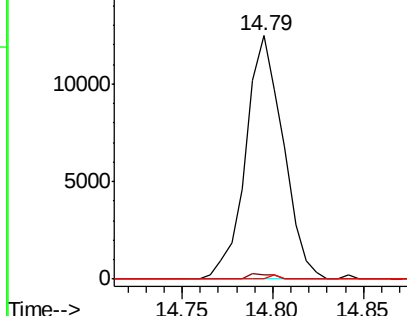


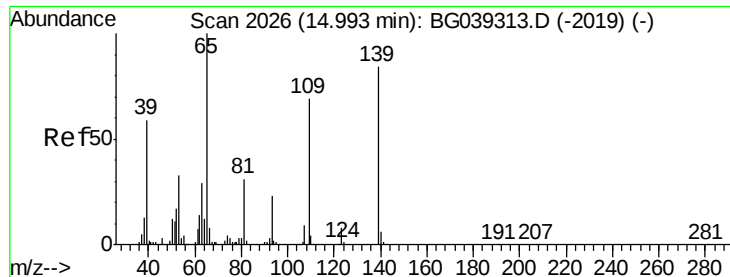
#51
2,6-Dinitrotoluene
Concen: 13.550 ng
RT: 14.79 min Scan# 1993
Delta R.T. 0.41 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion: 165 Resp: 17923
Ion Ratio Lower Upper
165 100
63 2.0 47.0 70.6#
89 0.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

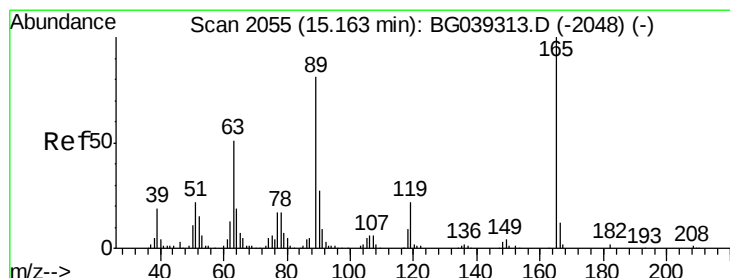
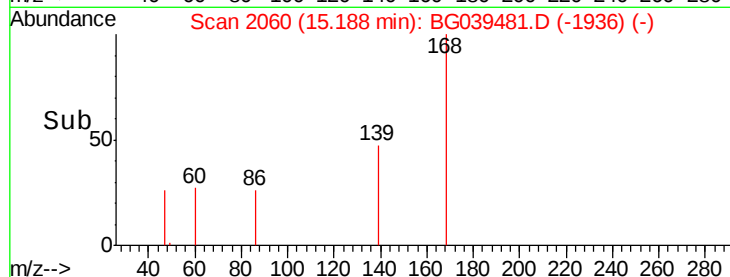
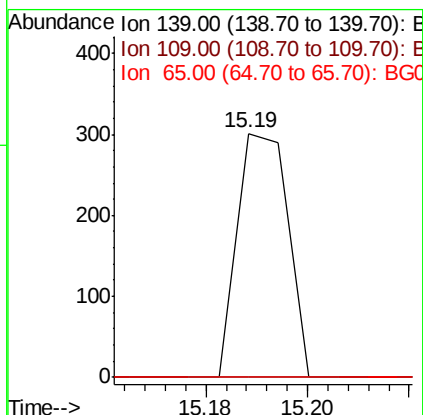
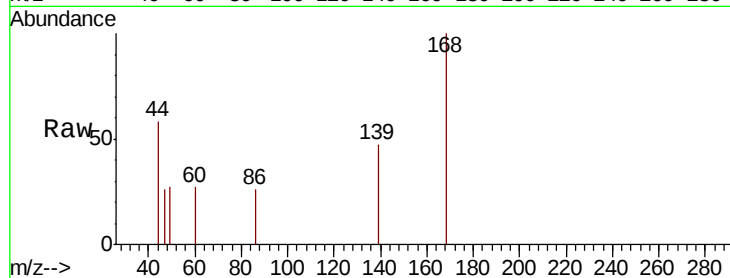




#56
4-Nitrophenol
Concen: 5.884 ng
RT: 15.19 min Scan# 2060
Delta R.T. 0.20 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

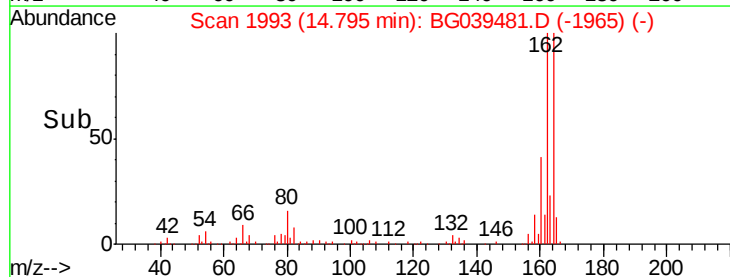
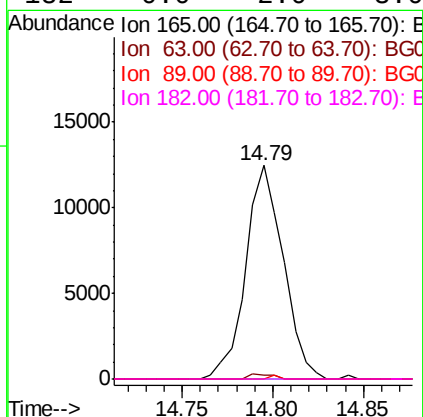
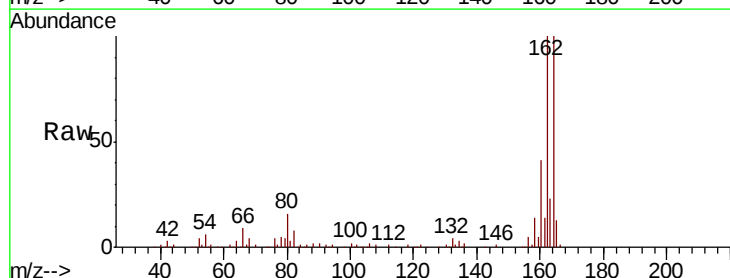
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

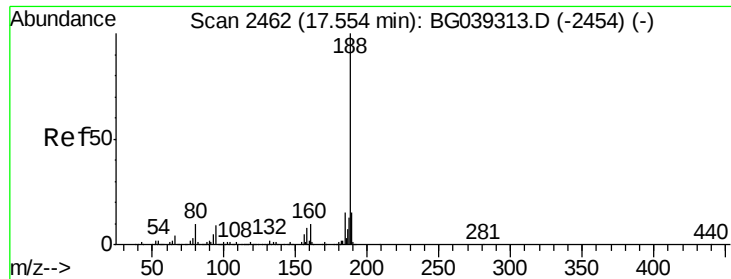
Tgt Ion:139 Resp: 208
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 0.0 99.1 139.1#



#57
2,4-Dinitrotoluene
Concen: 13.116 ng
RT: 14.79 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion:165 Resp: 17923
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.6#
89 0.0 64.6 96.8#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2461

Delta R.T. -0.01 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-03

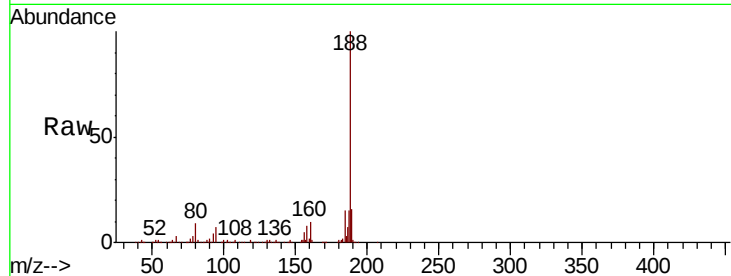
Tgt Ion:188 Resp: 354052

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

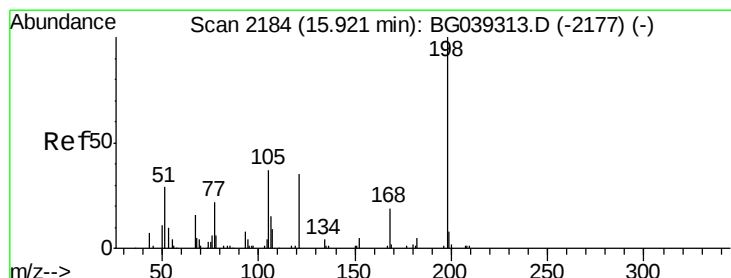
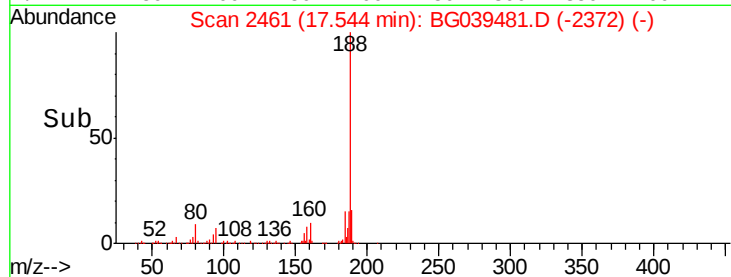
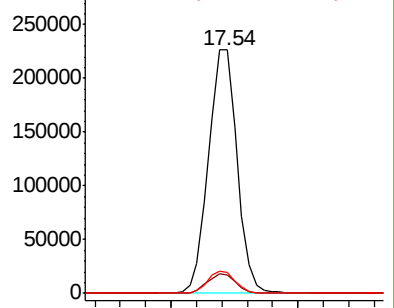
80 8.8 8.1 12.1



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: 5.001 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039481.D

Acq: 13 Feb 2019 2:31

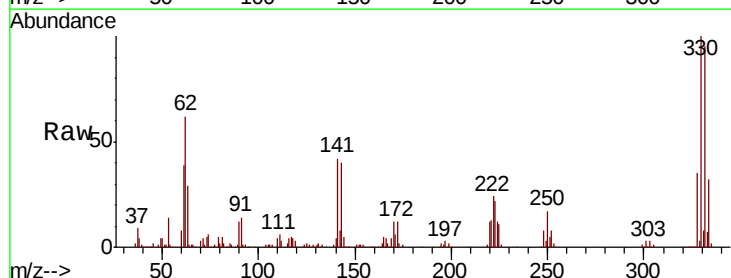
Tgt Ion:198 Resp: 912

Ion Ratio Lower Upper

198 100

51 121.9 27.4 67.4#

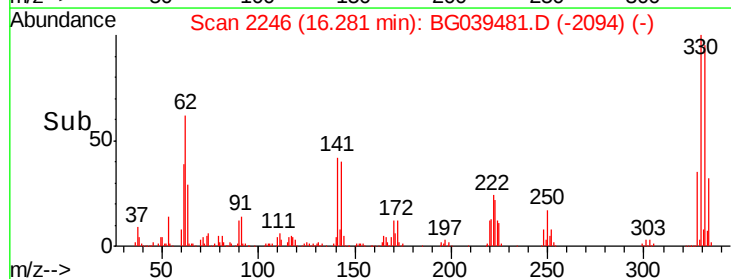
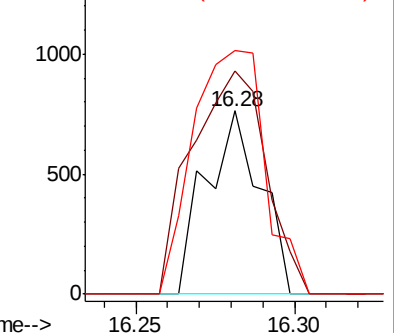
105 133.1 19.7 59.7#

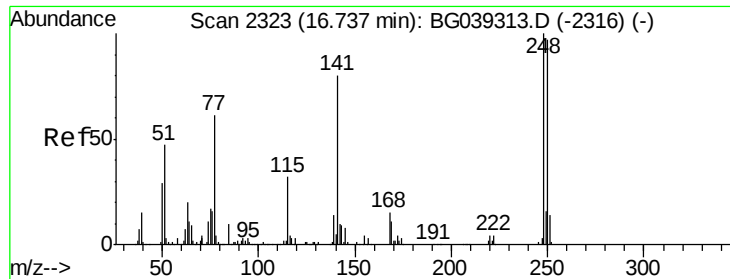


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

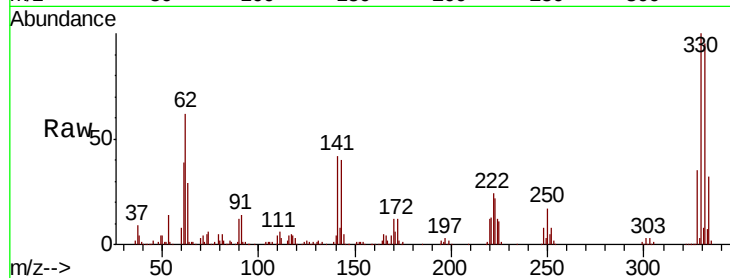




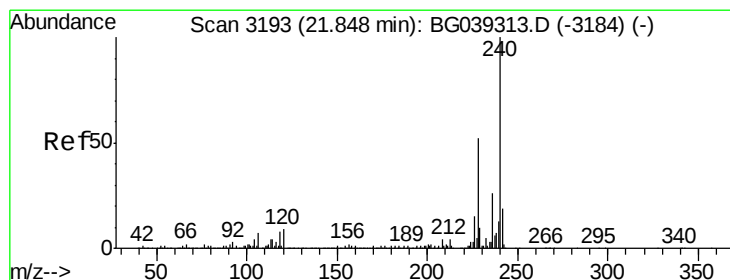
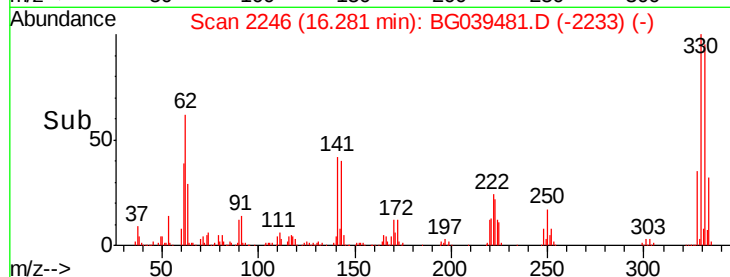
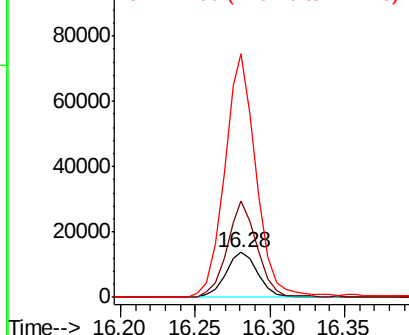
#67
 4-Bromophenyl-phenylether
 Concen: 5.383 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-03

Tgt Ion:248 Resp: 21142
 Ion Ratio Lower Upper
 248 100
 250 214.6 77.6 116.4#
 141 541.6 63.9 95.9#

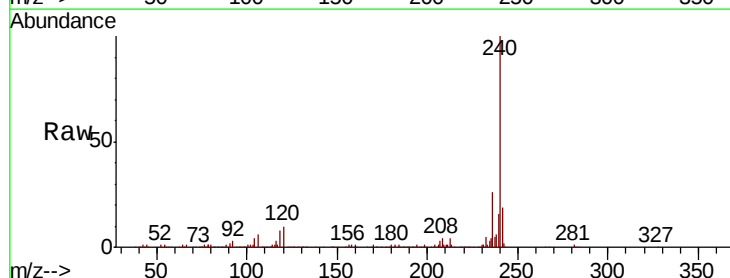


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

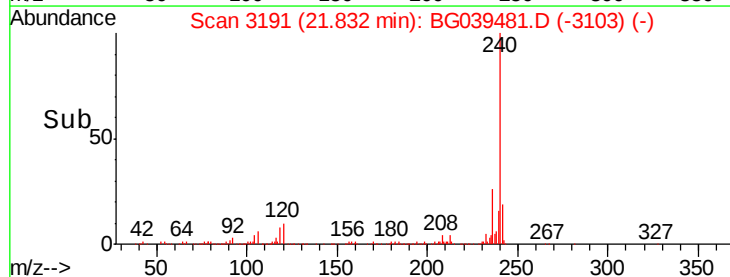
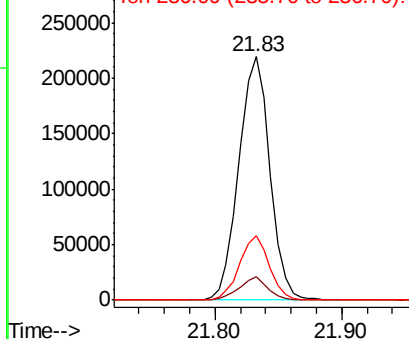


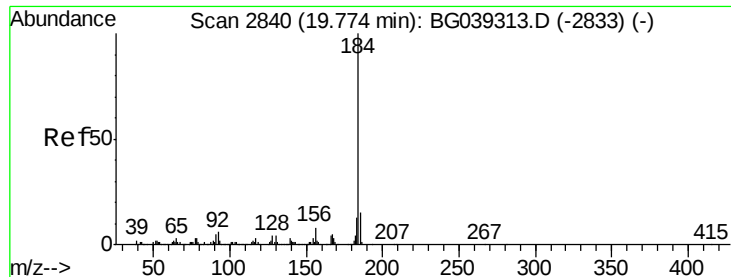
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3191
 Delta R.T. -0.02 min
 Lab File: BG039481.D
 Acq: 13 Feb 2019 2:31

Tgt Ion:240 Resp: 373284
 Ion Ratio Lower Upper
 240 100
 120 9.6 7.0 10.6
 236 26.3 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

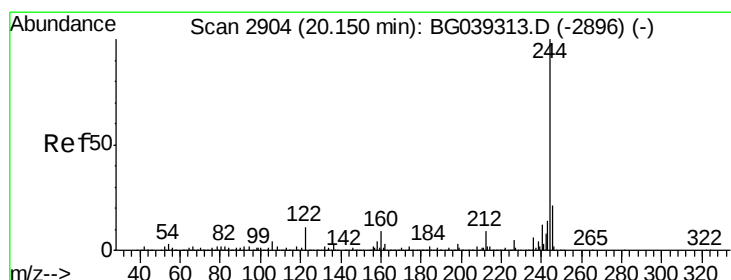
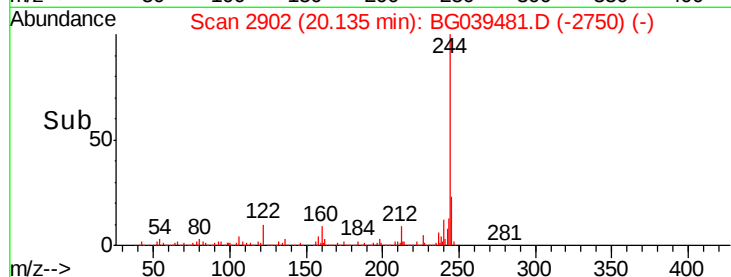
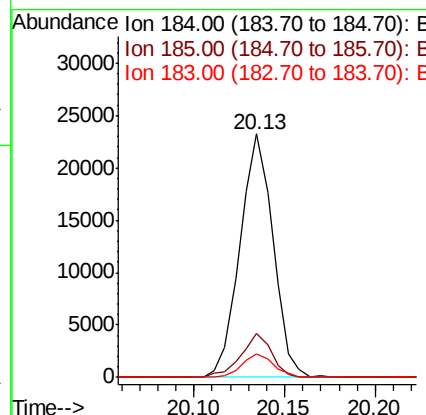
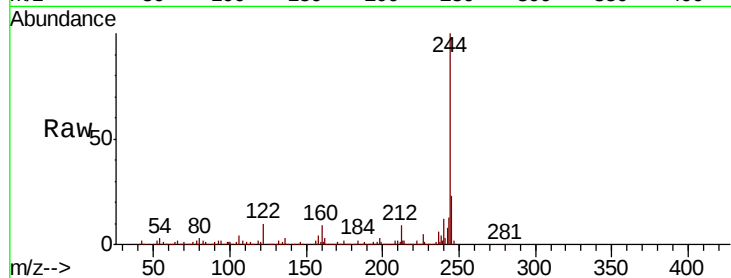




#77
Benzidine
Concen: 2.405 ng
RT: 20.13 min Scan# 2902
Delta R.T. 0.36 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

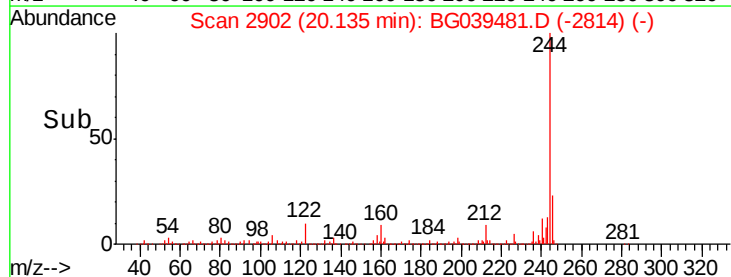
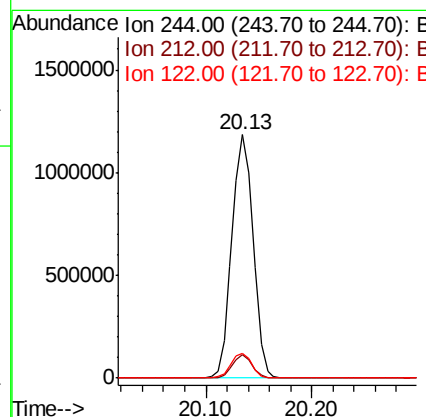
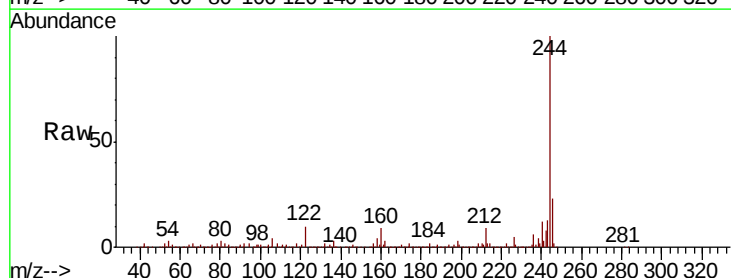
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

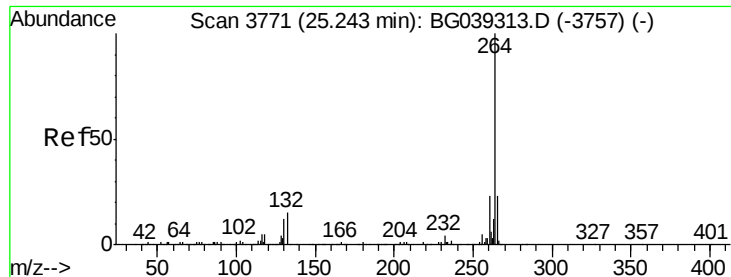
Tgt Ion	Ratio	Lower	Upper
184	100		
185	18.0	12.2	18.2
183	9.6	10.6	15.8#



#79
Terphenyl-d14
Concen: 93.322 ng
RT: 20.13 min Scan# 2902
Delta R.T. -0.02 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	7.3	10.9
122	10.2	8.4	12.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3768
Delta R.T. -0.02 min
Lab File: BG039481.D
Acq: 13 Feb 2019 2:31

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-03

Tgt Ion:	264	Resp:	368901
Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	20.7	18.5	27.7

