

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039473.D
 Acq On : 12 Feb 2019 21:13
 Operator : JU/SJ
 Sample : K1457-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01

Quant Time: Feb 13 00:36:08 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

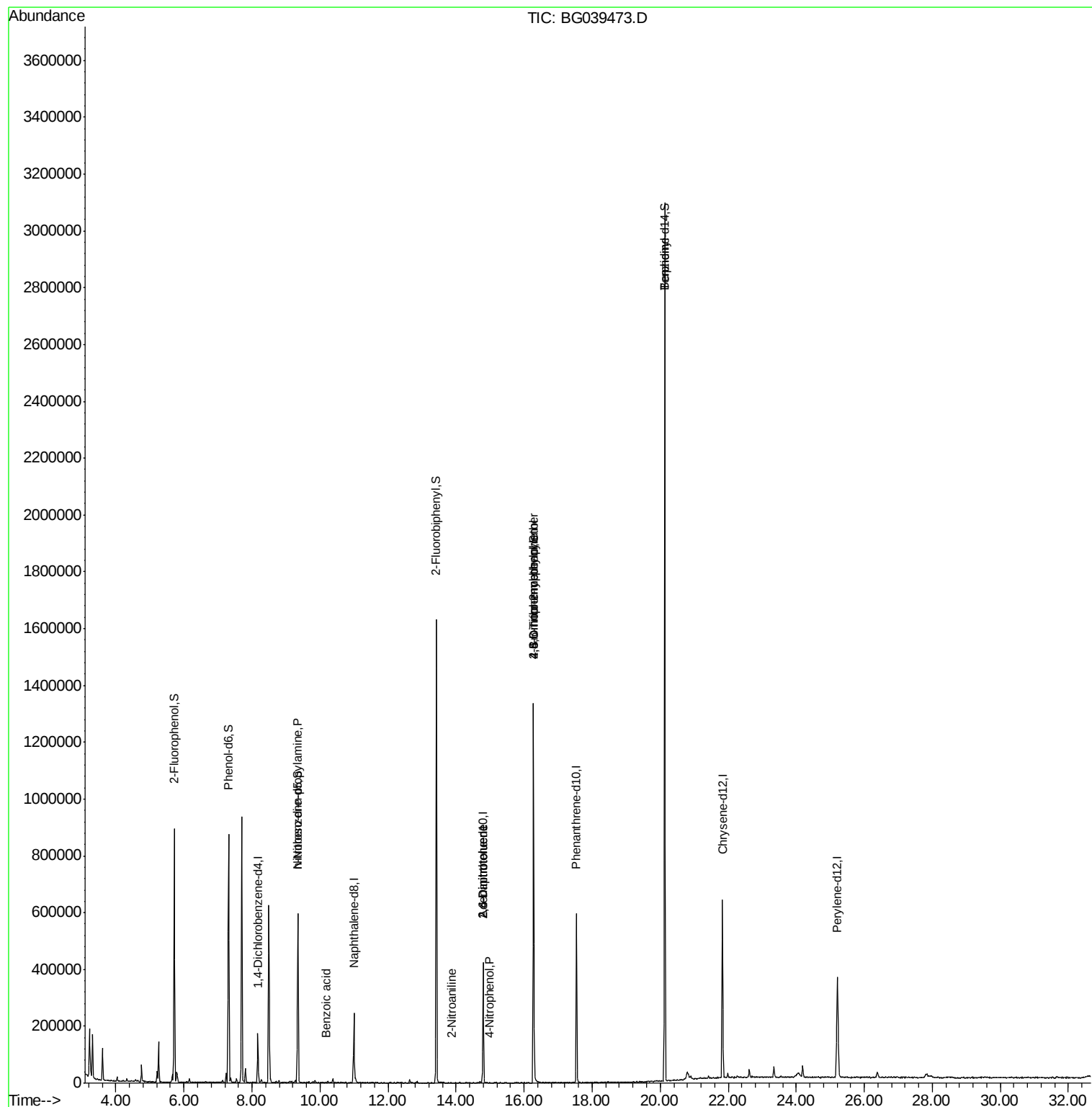
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	49367	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	212890	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	149611	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	374399	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	385435	20.00	ng	-0.02
87) Perylene-d12	25.21	264	379328	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	370429	128.42	ng	0.00
7) Phenol-d6	7.31	99	504759	118.88	ng	0.00
23) Nitrobenzene-d5	9.35	82	350549	102.87	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	248585	154.30	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	857816	82.25	ng	-0.01
79) Terphenyl-d14	20.14	244	1470436	80.75	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.31	77	1831	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	9.35	70	46896	15.562 ng	#	1
32) Benzoic acid	10.17	122	56	9.044 ng	#	1
48) 2-Nitroaniline	13.87	65	65	8.316 ng	#	10
51) 2,6-Dinitrotoluene	14.80	165	19340	13.953 ng	#	24
56) 4-Nitrophenol	14.99	139	106	5.839 ng	#	1
57) 2,4-Dinitrotoluene	14.80	165	19340	13.421 ng	#	19
65) 4,6-Dinitro-2-methylphenol	16.28	198	621	4.706 ng	#	1
67) 4-Bromophenyl-phenylether	16.28	248	18739	4.512 ng	#	1
77) Benzidine	20.13	184	25848	2.045 ng	#	95

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

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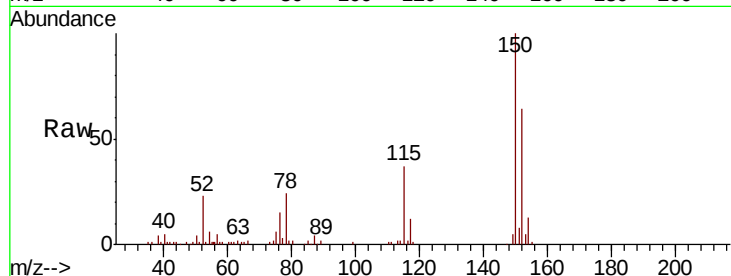


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.7	185.5
115	57.1	45.9	68.9

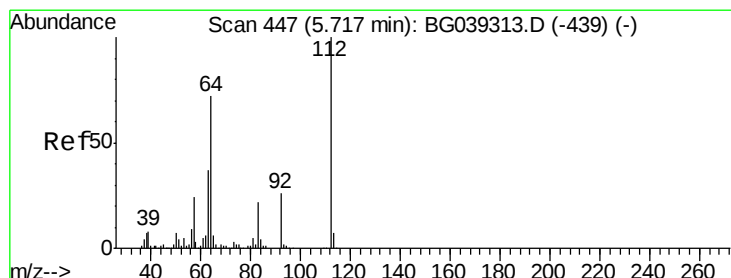
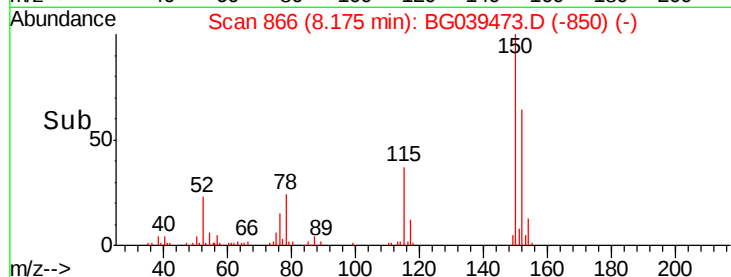
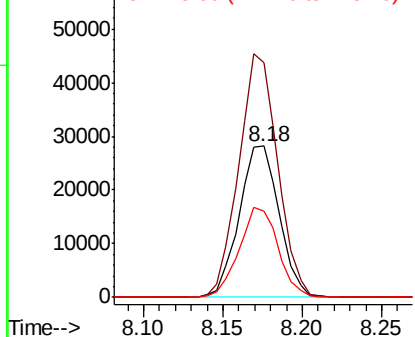


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

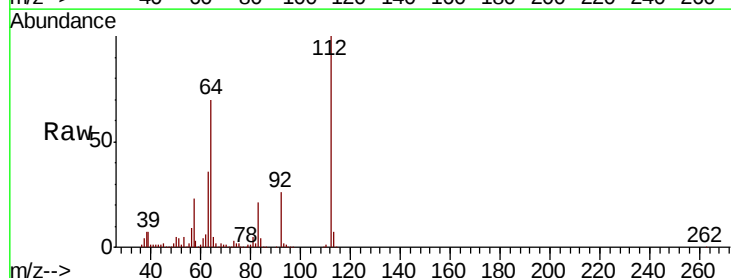
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 128.424 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	57.8	86.8
63	35.7	29.8	44.6

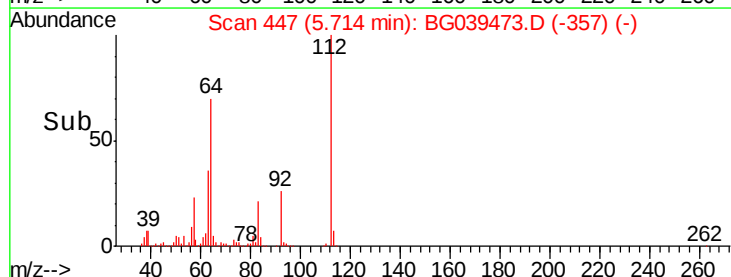
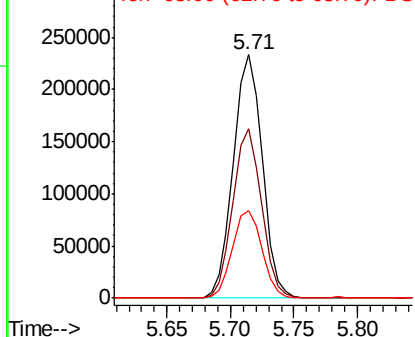


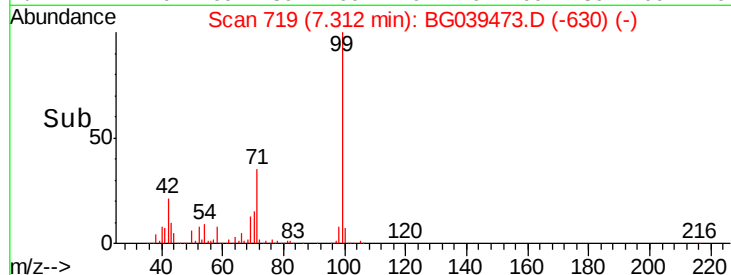
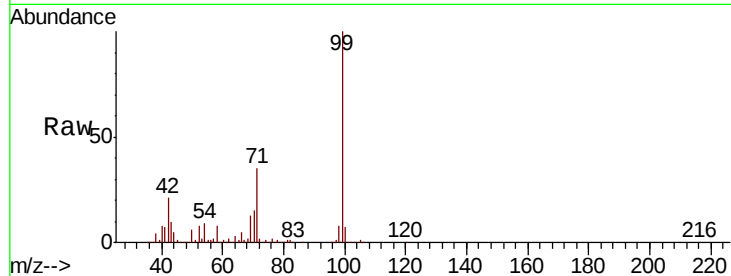
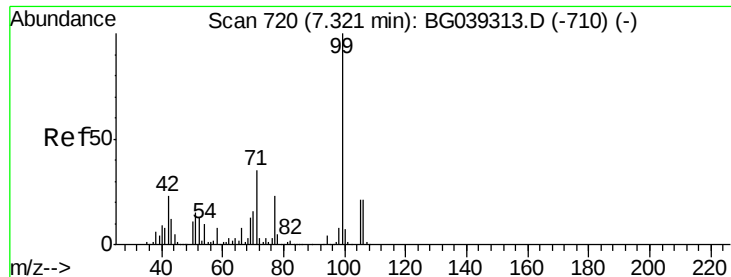
Abundance

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: 118.885 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

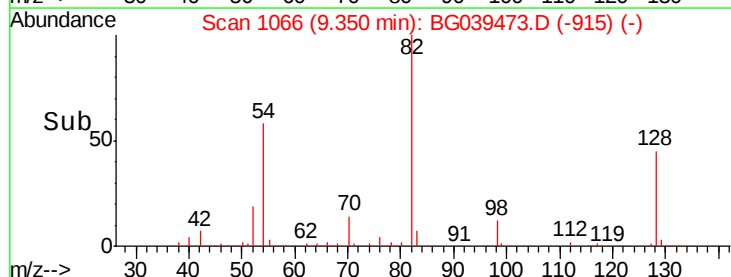
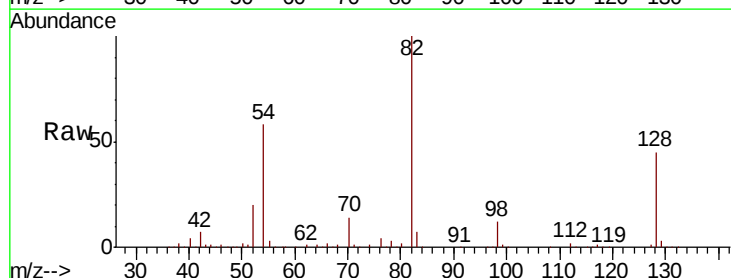
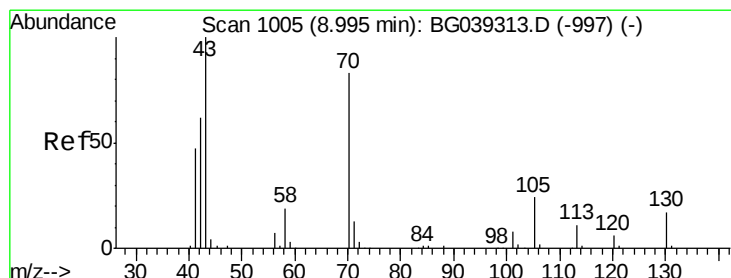
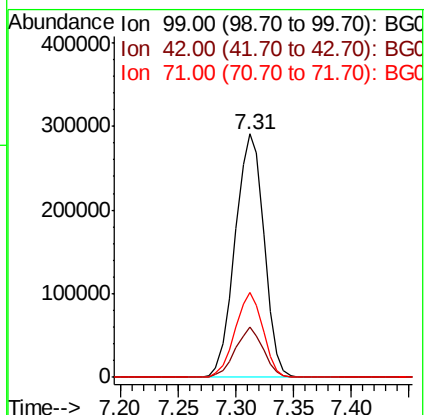
Tgt Ion: 99 Resp: 504759

Ion Ratio Lower Upper

99 100

42 20.7 18.2 27.2

71 34.7 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.562 ng

RT: 9.35 min Scan# 1066

Delta R.T. 0.36 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Tgt Ion: 70 Resp: 46896

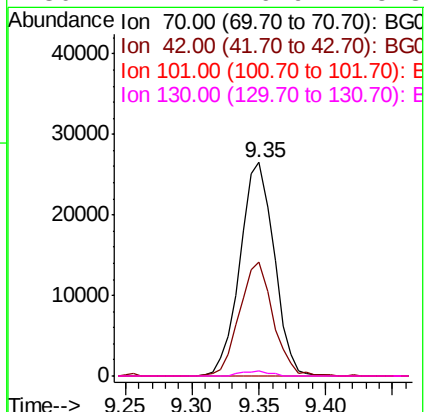
Ion Ratio Lower Upper

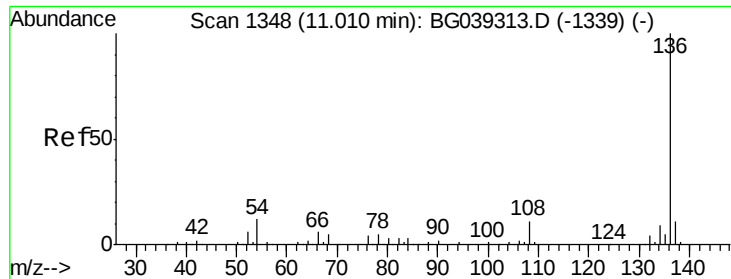
70 100

42 53.2 60.4 90.6#

101 0.0 7.5 11.3#

130 2.2 16.9 25.3#

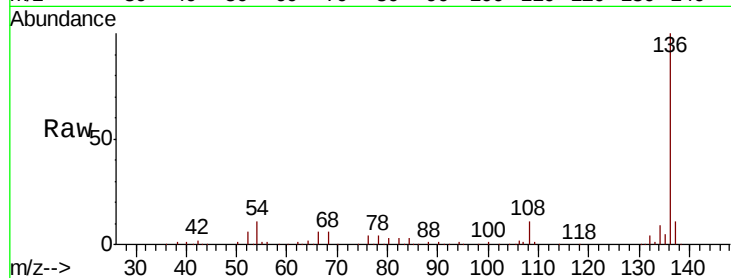




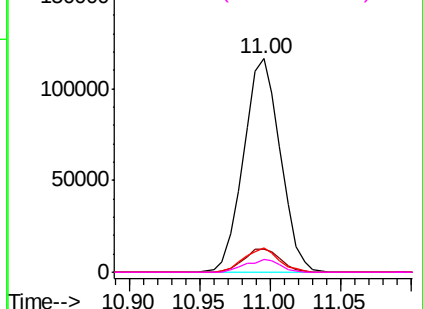
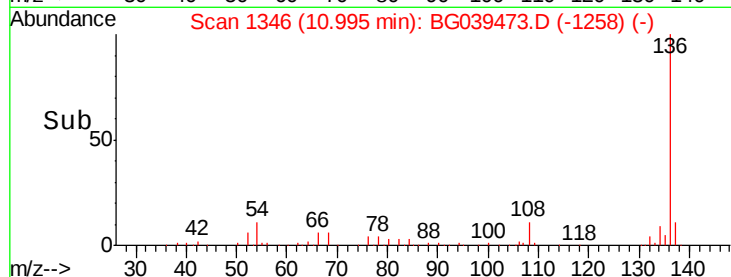
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

Tgt Ion:	136	Resp:	212890
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	11.5	9.4	14.2
68	6.1	4.2	6.4

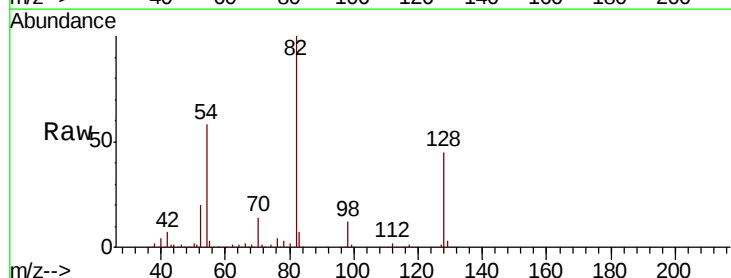


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

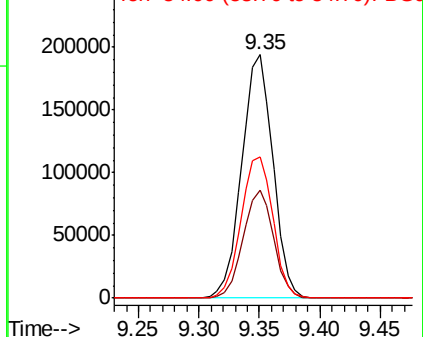
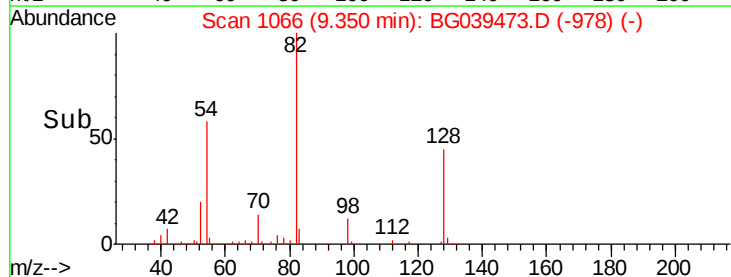


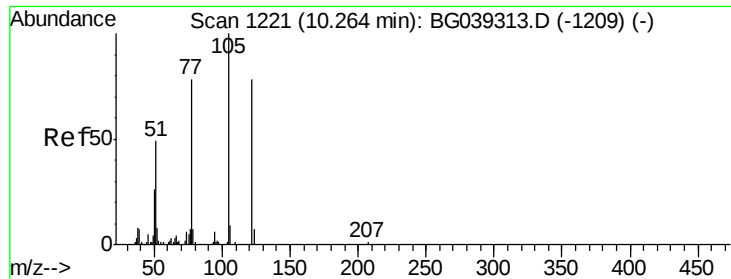
#23
Nitrobenzene-d5
Concen: 102.867 ng
RT: 9.35 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Tgt Ion:	82	Resp:	350549
Ion	Ratio	Lower	Upper
82	100		
128	44.5	31.3	46.9
54	58.2	50.9	76.3



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

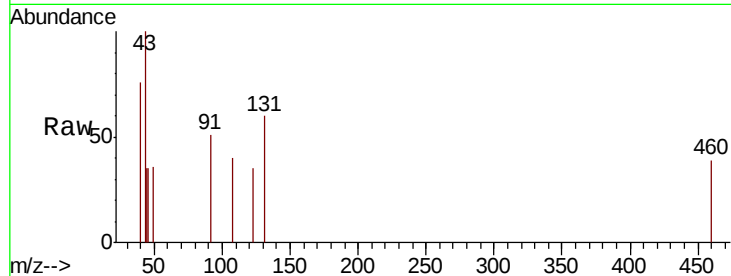




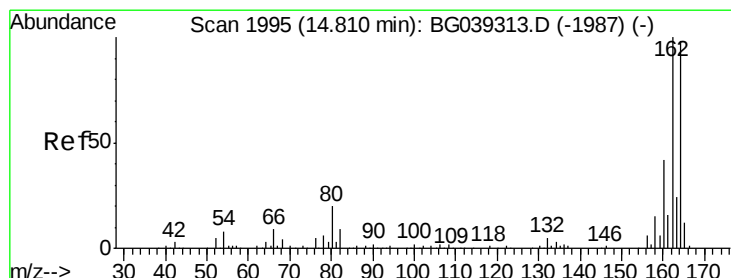
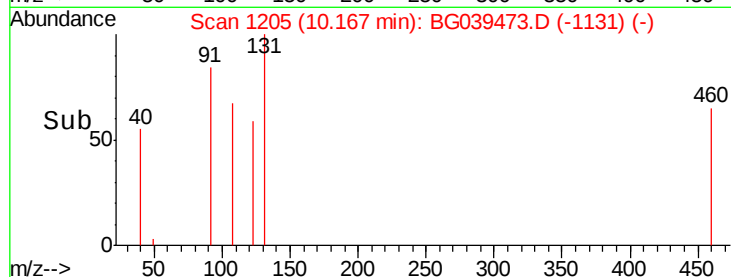
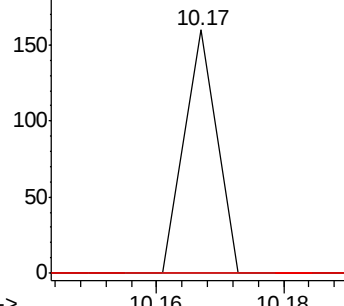
#32
Benzoic acid
Concen: 9.044 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.10 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

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

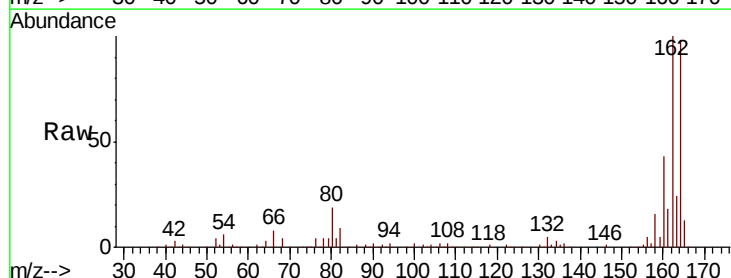


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

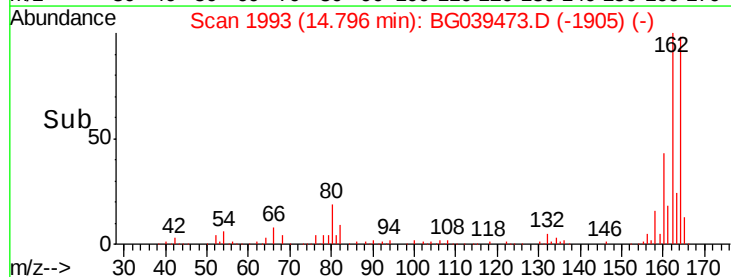
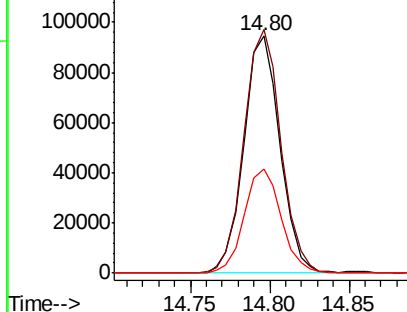


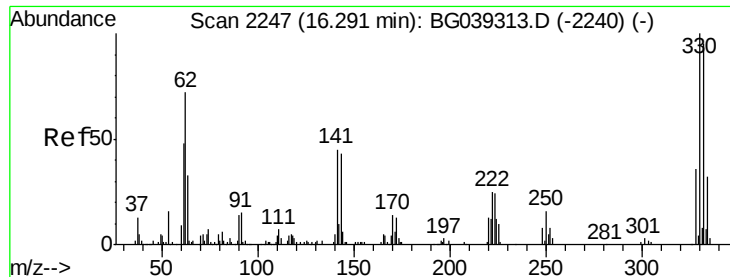
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.6	122.4
160	44.0	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

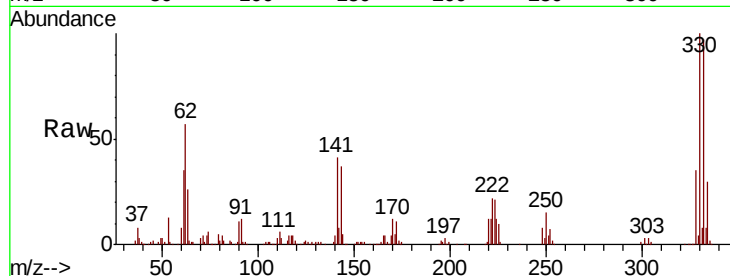




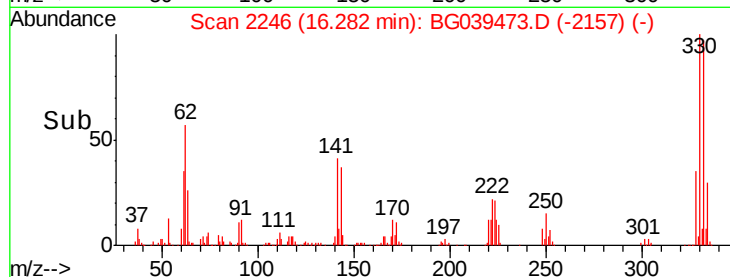
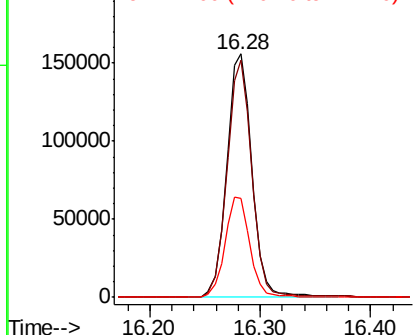
#42
 2,4,6-Tribromophenol
 Concen: 154.300 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.01 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01

Tgt Ion:330 Resp: 248585
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 40.9 35.6 53.4

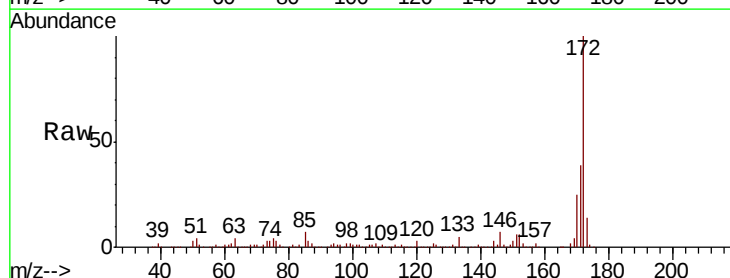


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

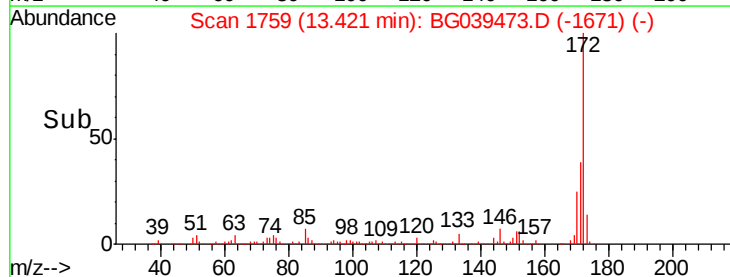
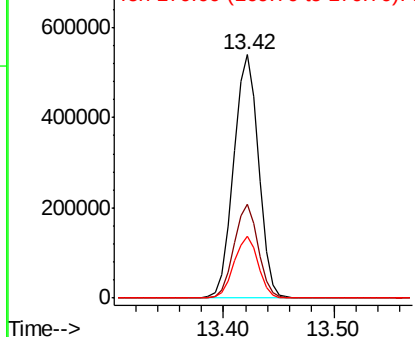


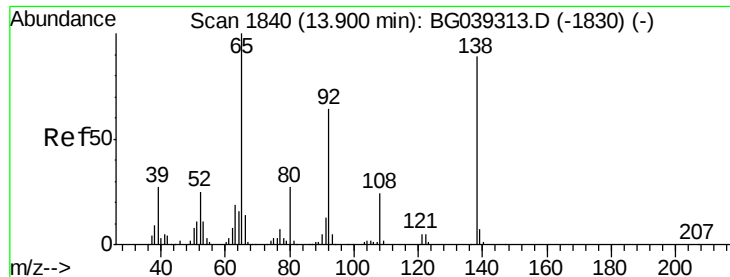
#45
 2-Fluorobiphenyl
 Concen: 82.252 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Tgt Ion:172 Resp: 857816
 Ion Ratio Lower Upper
 172 100
 171 38.6 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: 8.316 ng

RT: 13.87 min Scan# 1836

Delta R.T. -0.03 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

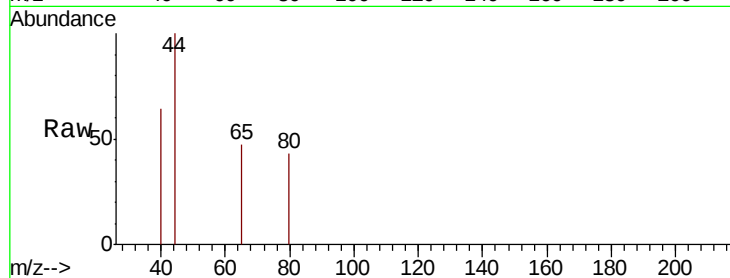
Tgt Ion: 65 Resp: 65

Ion Ratio Lower Upper

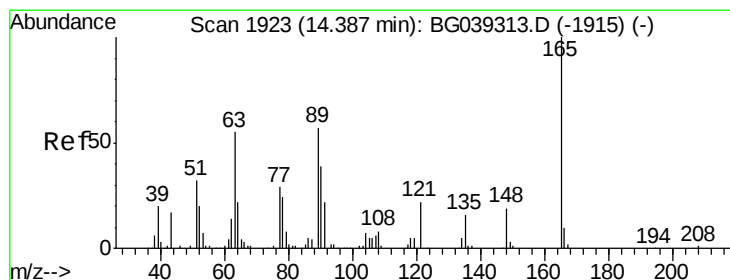
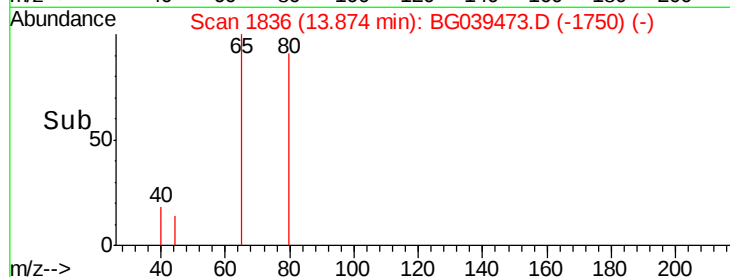
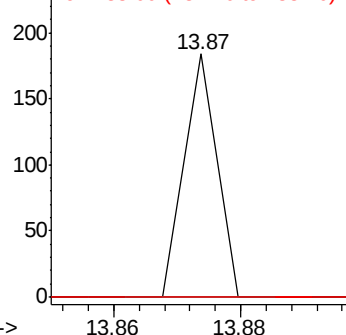
65 100

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: 13.953 ng

RT: 14.80 min Scan# 1993

Delta R.T. 0.41 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

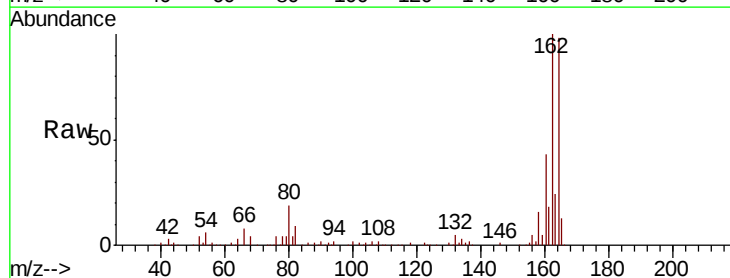
Tgt Ion: 165 Resp: 19340

Ion Ratio Lower Upper

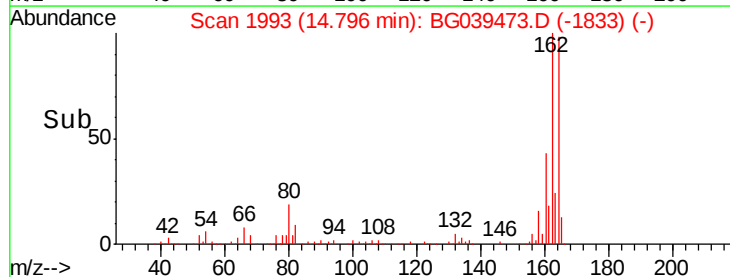
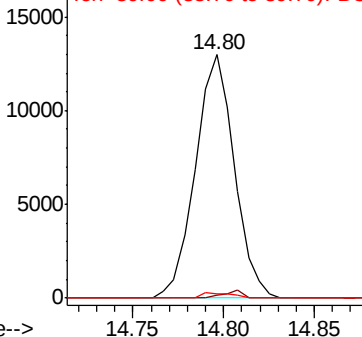
165 100

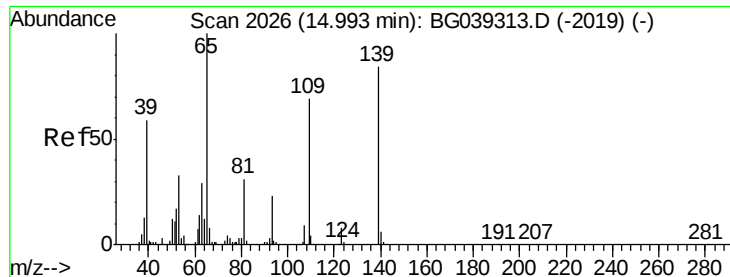
63 1.3 47.0 70.6#

89 1.5 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

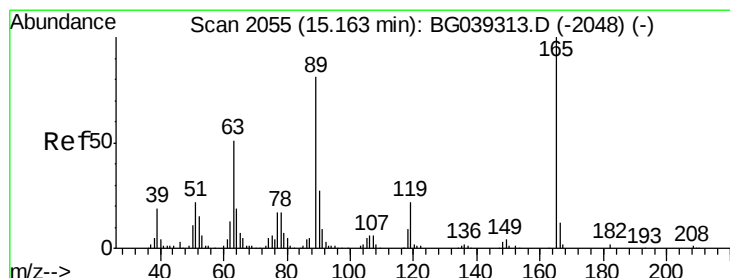
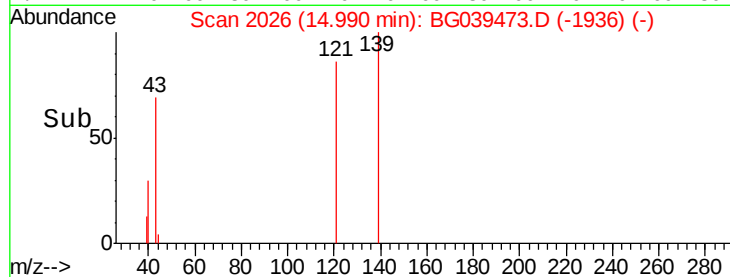
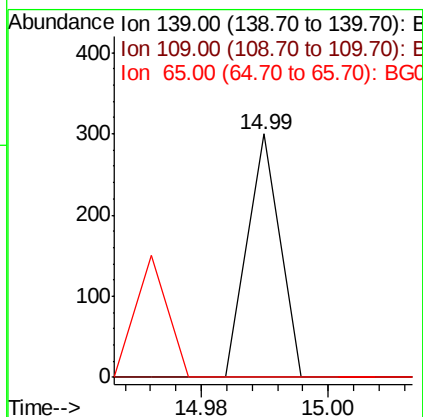
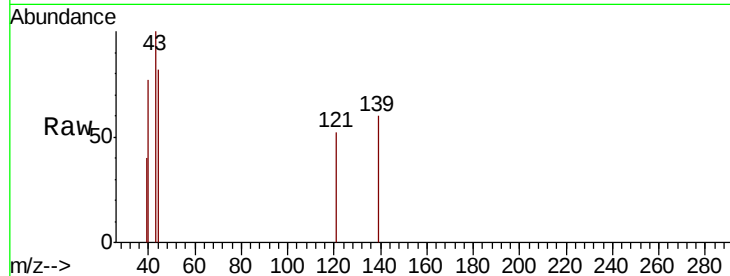




#56
4-Nitrophenol
Concen: 5.839 ng
RT: 14.99 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

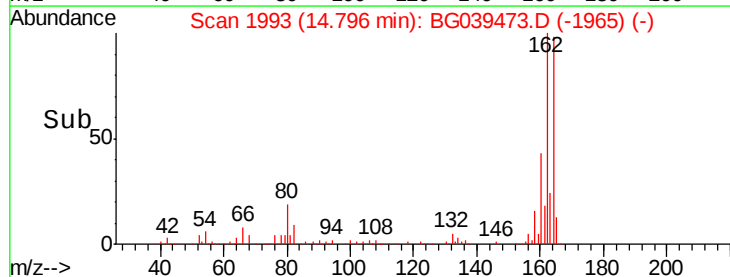
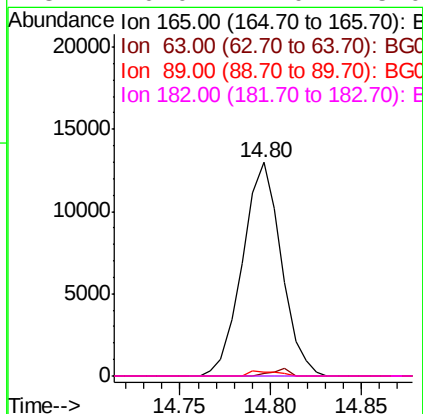
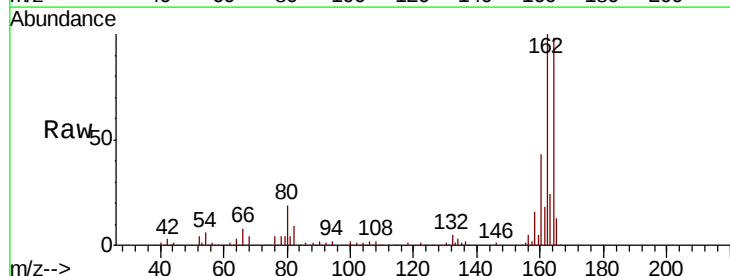
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

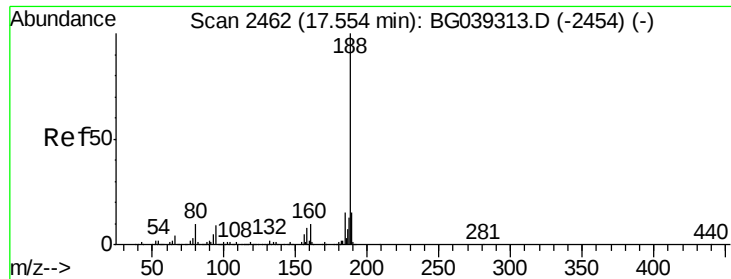
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.9	101.9#
65	0.0	99.1	139.1#



#57
2,4-Dinitrotoluene
Concen: 13.421 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.37 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.0	61.6#
89	1.5	64.6	96.8#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01

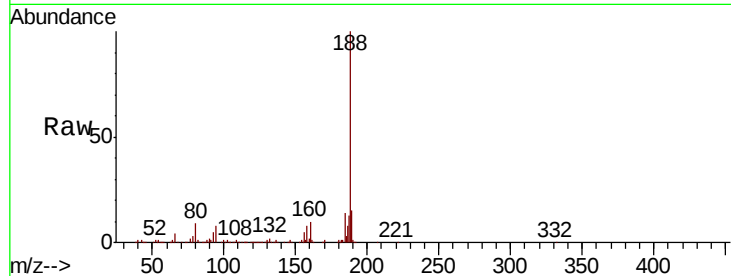
Tgt Ion:188 Resp: 374399

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

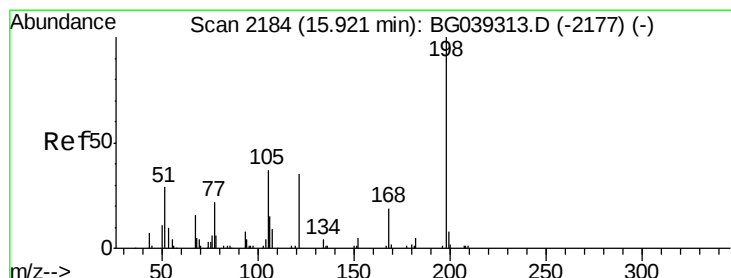
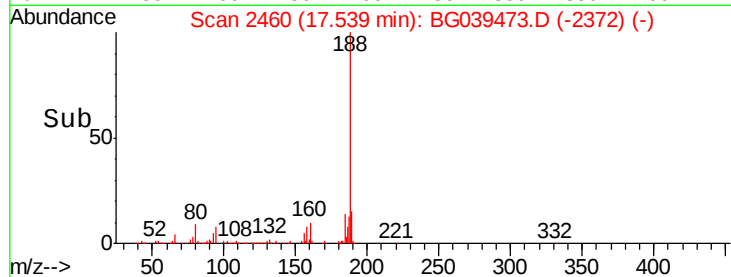
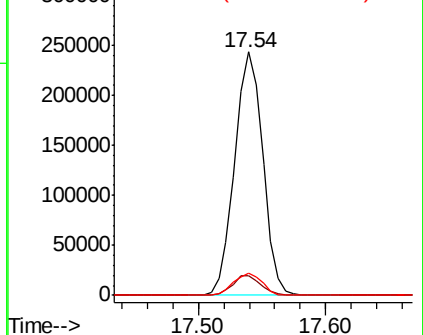
80 8.9 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.706 ng

RT: 16.28 min Scan# 2246

Delta R.T. 0.36 min

Lab File: BG039473.D

Acq: 12 Feb 2019 21:13

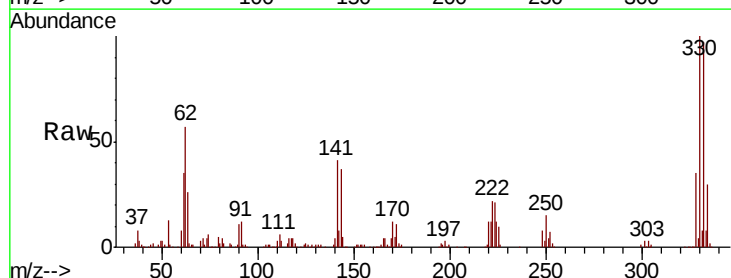
Tgt Ion:198 Resp: 621

Ion Ratio Lower Upper

198 100

51 209.3 27.4 67.4#

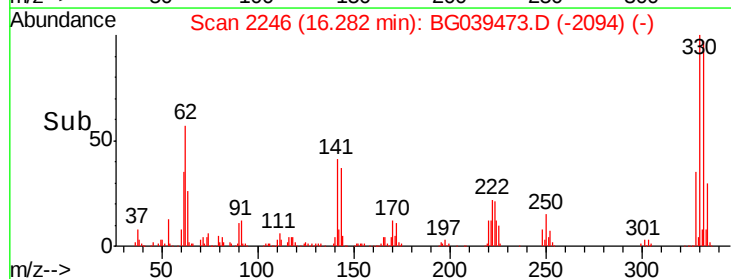
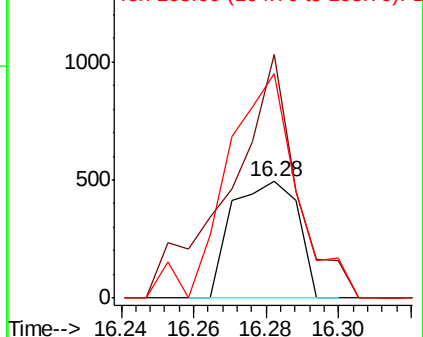
105 192.7 19.7 59.7#

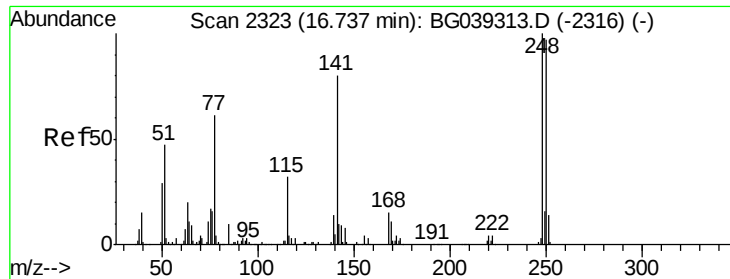


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

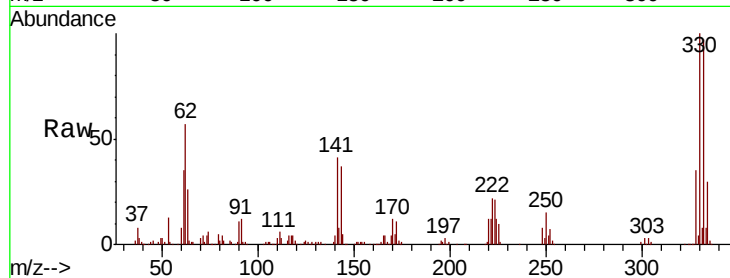




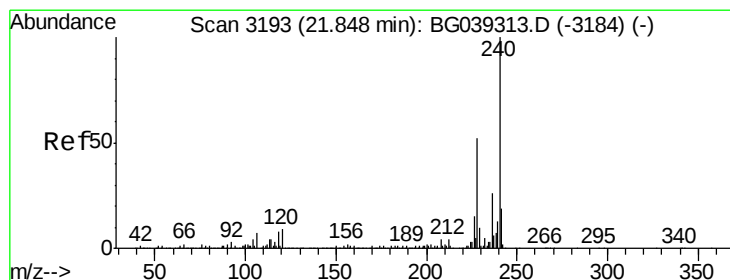
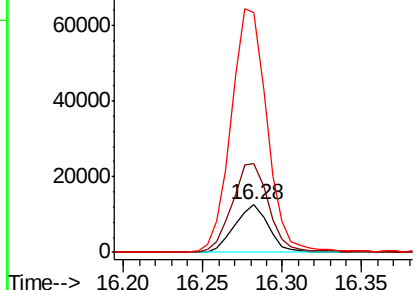
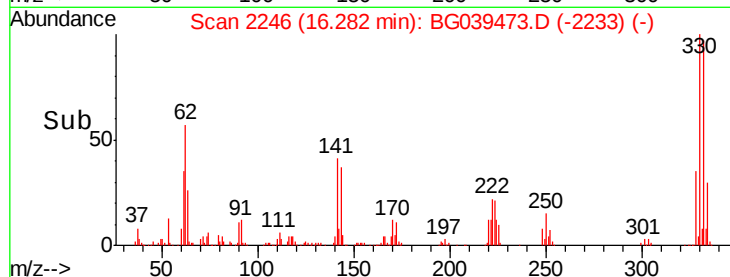
#67
 4-Bromophenyl-phenylether
 Concen: 4.512 ng
 RT: 16.28 min Scan# 2246
 Delta R.T. -0.46 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01

Tgt Ion:248 Resp: 18739
 Ion Ratio Lower Upper
 248 100
 250 188.3 77.6 116.4#
 141 506.7 63.9 95.9#

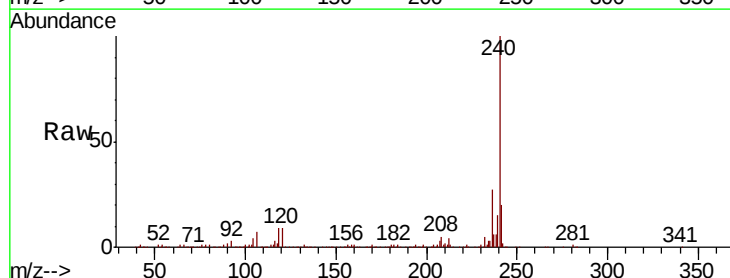


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

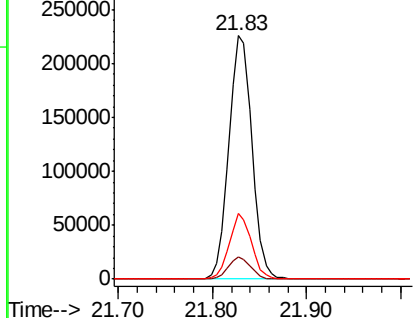
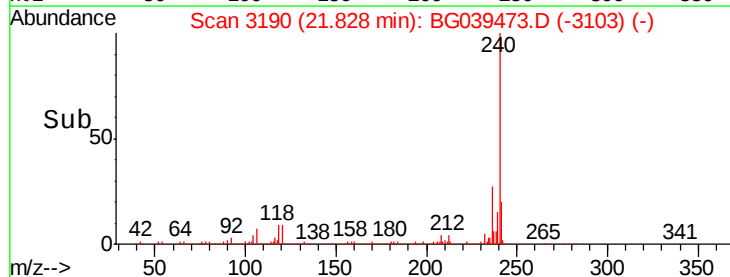


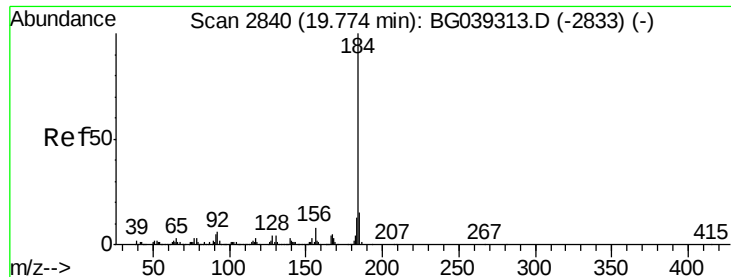
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.83 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BG039473.D
 Acq: 12 Feb 2019 21:13

Tgt Ion:240 Resp: 385435
 Ion Ratio Lower Upper
 240 100
 120 9.3 7.0 10.6
 236 26.8 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

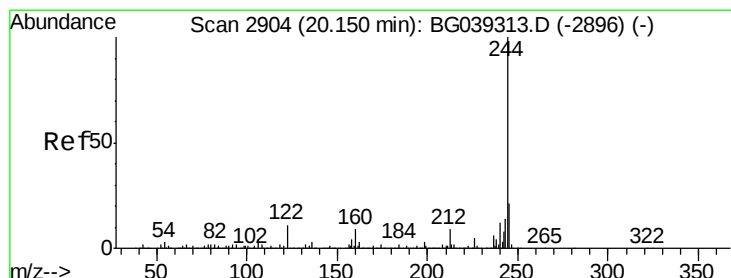
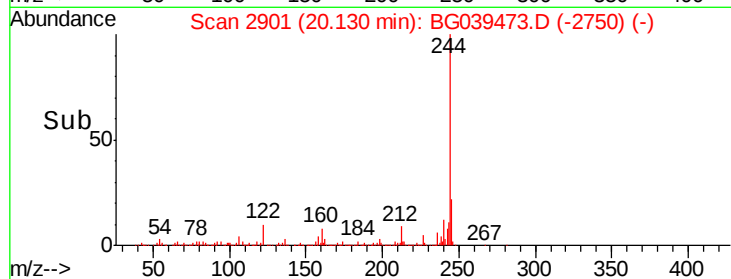
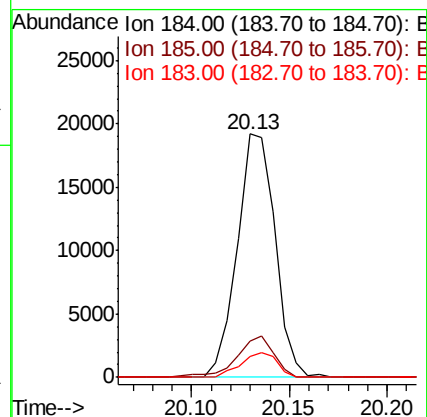
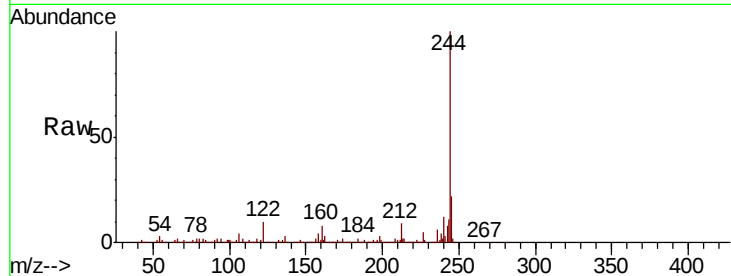




#77
Benzidine
Concen: 2.045 ng
RT: 20.13 min Scan# 2901
Delta R.T. 0.36 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

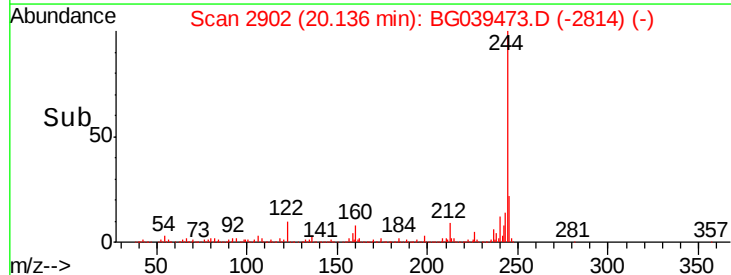
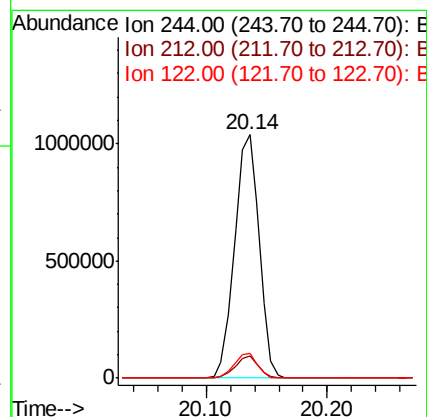
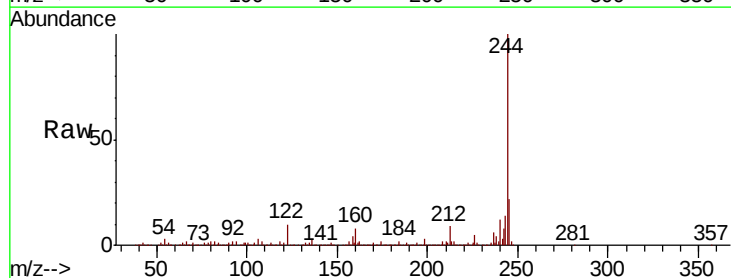
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

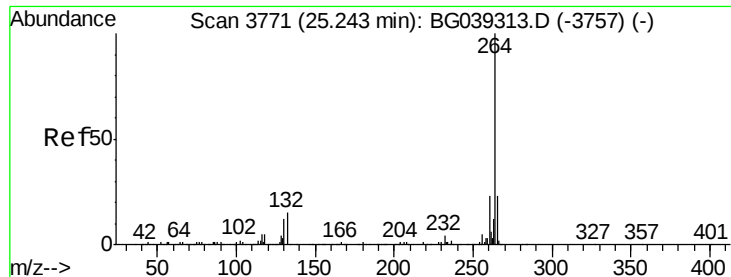
Tgt Ion:184 Resp: 25848
Ion Ratio Lower Upper
184 100
185 15.0 12.2 18.2
183 8.8 10.6 15.8#



#79
Terphenyl-d14
Concen: 80.752 ng
RT: 20.14 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG039473.D
Acq: 12 Feb 2019 21:13

Tgt Ion:244 Resp: 1470436
Ion Ratio Lower Upper
244 100
212 9.1 7.3 10.9
122 10.0 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: BG039473.D
Acq: 12 Feb 2019 21:13

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01

Tgt Ion:	264	Resp:	379328
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	21.9	18.5	27.7

