

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
 Data File : BG041211.D
 Acq On : 12 Jun 2019 18:12
 Operator : HP/JU
 Sample : SOIL-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Quant Time: Jun 13 05:36:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	35266	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	148982	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	114462	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	282321	20.00	ng	0.00
76) Chrysene-d12	21.76	240	283188	20.00	ng	0.00
87) Perylene-d12	25.08	264	293811	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	274254	140.23	ng	0.00
7) Phenol-d6	7.25	99	410889	136.04	ng	0.00
23) Nitrobenzene-d5	9.28	82	280732	83.65	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	227663	133.98	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	681435	85.73	ng	0.00
79) Terphenyl-d14	20.07	244	1219831	91.42	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	27574	31.070	ng	89
3) Pyridine	3.91	79	80334	30.592	ng	98
4) n-Nitrosodimethylamine	3.83	42	47391	38.885	ng	# 94
6) Aniline	7.43	93	55738	13.825	ng	99
8) 2-Chlorophenol	7.67	128	103839	44.536	ng	95
9) Benzaldehyde	7.24	77	30072	16.690	ng	83
10) Phenol	7.28	94	140150	43.276	ng	97
11) bis(2-Chloroethyl)ether	7.52	93	86896	36.987	ng	97
12) 1,3-Dichlorobenzene	7.99	146	108499	38.961	ng	99
13) 1,4-Dichlorobenzene	8.14	146	114412	40.589	ng	96
14) 1,2-Dichlorobenzene	8.46	146	106434	38.888	ng	98
15) Benzyl Alcohol	8.34	79	112716	40.342	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.62	45	138630	36.111	ng	98
17) 2-Methylphenol	8.54	107	99397	42.390	ng	98
18) Hexachloroethane	9.19	117	42932	39.517	ng	98
19) n-Nitroso-di-n-propylamine	8.91	70	87692	37.727	ng	94
20) 3+4-Methylphenols	8.87	107	135908	41.843	ng	96
22) Acetophenone	8.93	105	170415	40.777	ng	97
24) Nitrobenzene	9.33	77	142599	41.696	ng	100
25) Isophorone	9.84	82	253587	39.706	ng	99
26) 2-Nitrophenol	10.03	139	64461	45.721	ng	94
27) 2,4-Dimethylphenol	10.08	122	110397	47.411	ng	94
28) bis(2-Chloroethoxy)methane	10.32	93	132131	38.332	ng	99
29) 2,4-Dichlorophenol	10.57	162	128298	43.389	ng	97
30) 1,2,4-Trichlorobenzene	10.78	180	139466	41.461	ng	94
31) Naphthalene	10.97	128	337531	42.197	ng	100
32) Benzoic acid	10.22	122	65123	38.006	ng	96
33) 4-Chloroaniline	11.09	127	41542	11.193	ng	99
34) Hexachlorobutadiene	11.24	225	100092	38.889	ng	96
35) Caprolactam	11.88	113	39908	40.870	ng	98
36) 4-Chloro-3-methylphenol	12.20	107	146221	43.299	ng	92
37) 2-Methylnaphthalene	12.57	142	258891	42.023	ng	96
38) 1-Methylnaphthalene	12.79	142	248142	42.743	ng	# 98
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	193772	42.002	ng	99

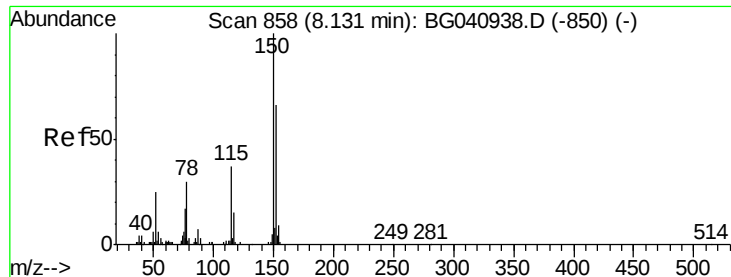
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	216755	86.641	ng	97
43) 2,4,6-Trichlorophenol	13.17	196	126119	42.258	ng	97
44) 2,4,5-Trichlorophenol	13.25	196	136869	43.484	ng	99
46) 1,1'-Biphenyl	13.57	154	357669	42.214	ng	98
47) 2-Chloronaphthalene	13.62	162	296758	40.799	ng	99
48) 2-Nitroaniline	13.83	65	104645	40.103	ng	96
49) Acenaphthylene	14.46	152	468884	42.831	ng	99
50) Dimethylphthalate	14.19	163	388191	40.064	ng	99
51) 2,6-Dinitrotoluene	14.32	165	88086	42.165	ng	98
52) Acenaphthene	14.80	154	274648	41.414	ng	98
53) 3-Nitroaniline	14.65	138	42918	20.545	ng	# 90
54) 2,4-Dinitrophenol	14.86	184	80784	75.937	ng	95
55) Dibenzofuran	15.13	168	480365	43.047	ng	99
56) 4-Nitrophenol	14.95	139	122546	85.525	ng	97
57) 2,4-Dinitrotoluene	15.10	165	126341	42.813	ng	# 98
58) Fluorene	15.78	166	382915	43.088	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.35	232	137670	44.507	ng	99
60) Diethylphthalate	15.53	149	399380	40.390	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	237100	41.047	ng	96
62) 4-Nitroaniline	15.81	138	84659	38.280	ng	94
63) Azobenzene	16.06	77	371560	41.343	ng	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	69112	46.098	ng	97
66) n-Nitrosodiphenylamine	15.98	169	343088	43.230	ng	99
67) 4-Bromophenyl-phenylether	16.66	248	154672	40.596	ng	97
68) Hexachlorobenzene	16.77	284	165630	40.825	ng	99
69) Atrazine	16.93	200	145099	47.382	ng	99
70) Pentachlorophenol	17.12	266	182514	83.765	ng	97
71) Phenanthrene	17.52	178	646729	43.978	ng	99
72) Anthracene	17.61	178	658230	45.383	ng	99
73) Carbazole	17.89	167	559091	44.926	ng	99
74) Di-n-butylphthalate	18.42	149	664722	42.976	ng	100
75) Fluoranthene	19.53	202	838087	46.140	ng	99
77) Benzidine	19.71	184	145056	21.472	ng	99
78) Pyrene	19.89	202	833837	45.295	ng	99
80) Butylbenzylphthalate	20.75	149	308633	43.081	ng	96
81) Benzo(a)anthracene	21.74	228	806544	42.786	ng	98
82) 3,3'-Dichlorobenzidine	21.65	252	136776	20.629	ng	94
83) Chrysene	21.80	228	784762	43.503	ng	99
84) Bis(2-ethylhexyl)phthalate	21.60	149	433867	43.021	ng	98
85) Di-n-octyl phthalate	22.84	149	731951	43.579	ng	100
86) Indeno(1,2,3-cd)pyrene	28.89	276	729086	32.993	ng	# 98
88) Benzo(b)fluoranthene	24.02	252	781183	43.836	ng	98
89) Benzo(k)fluoranthene	24.09	252	816115	46.279	ng	98
90) Benzo(a)pyrene	24.93	252	775204	45.594	ng	# 97
91) Dibenzo(a,h)anthracene	28.98	278	587567	34.586	ng	97
92) Benzo(g,h,i)perylene	30.11	276	534806	32.403	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041211.D

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SOIL-01

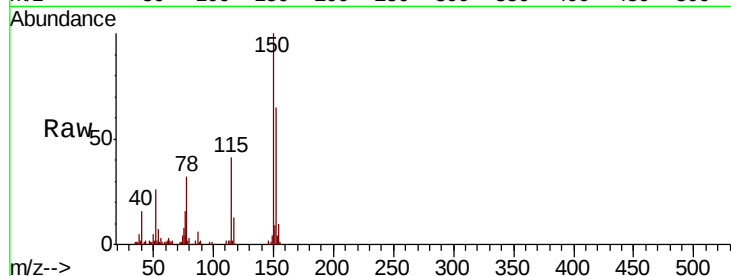
Tgt Ion:152 Resp: 35266

Ion Ratio Lower Upper

152 100

150 154.0 120.6 180.8

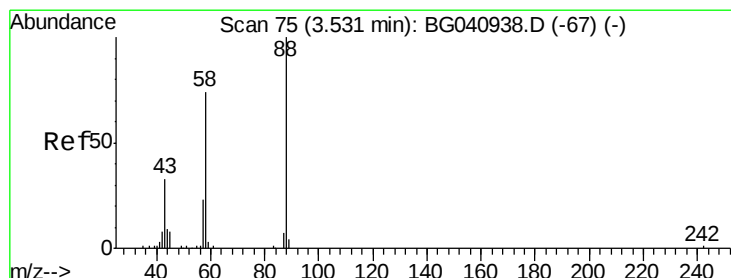
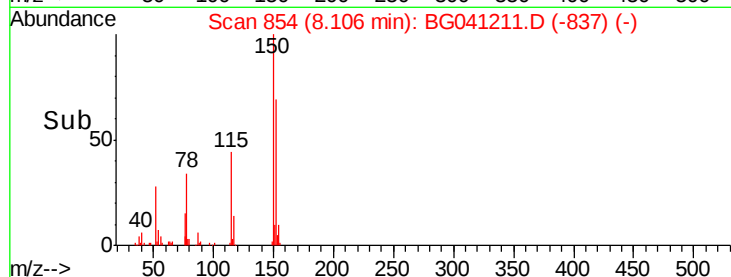
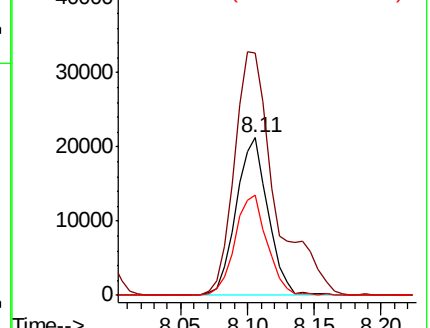
115 63.3 45.1 67.7



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



#2

1,4-Dioxane

Concen: 31.070 ng

RT: 3.50 min Scan# 70

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

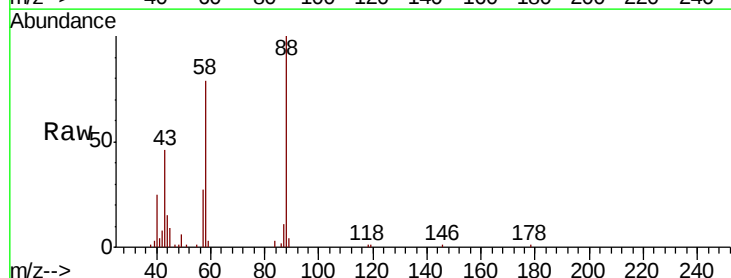
Tgt Ion: 88 Resp: 27574

Ion Ratio Lower Upper

88 100

58 83.4 59.0 88.6

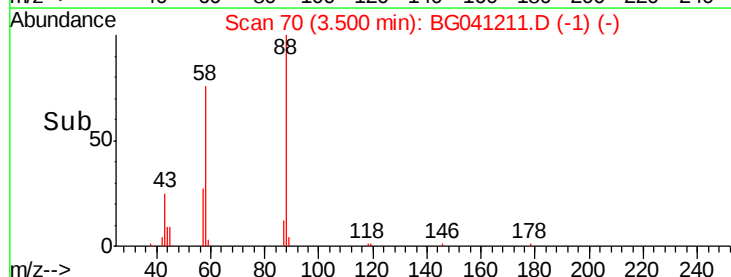
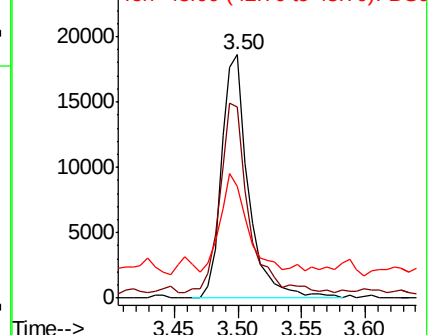
43 40.7 27.2 40.8



Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 30.592 ng

RT: 3.91 min Scan# 139

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

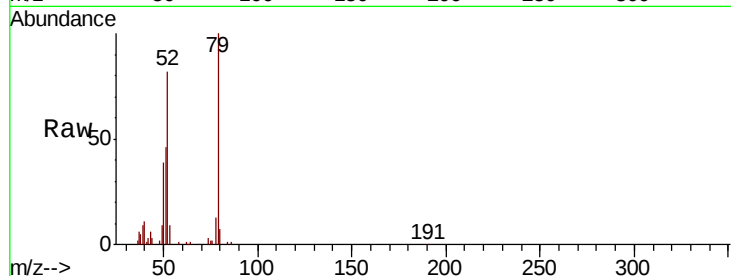
Tgt Ion: 79 Resp: 80334

Ion Ratio Lower Upper

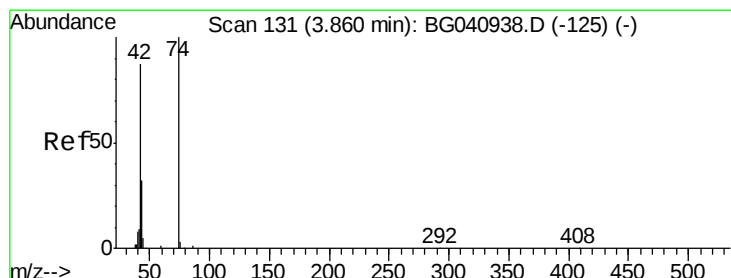
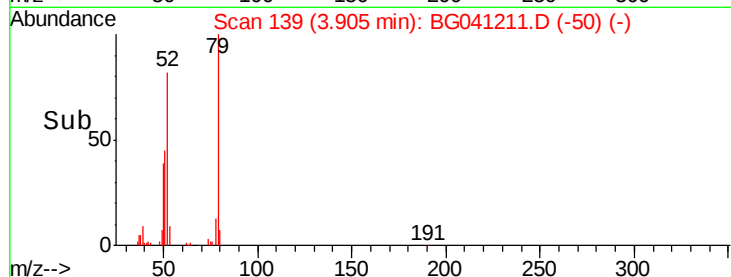
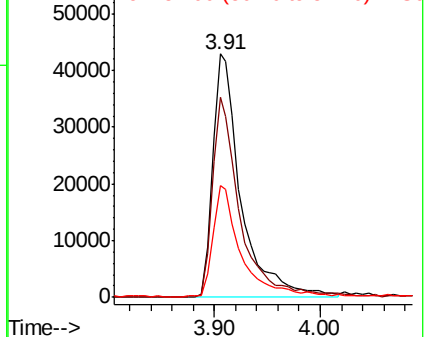
79 100

52 82.0 64.8 97.2

51 45.8 35.3 52.9



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 38.885 ng

RT: 3.83 min Scan# 126

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

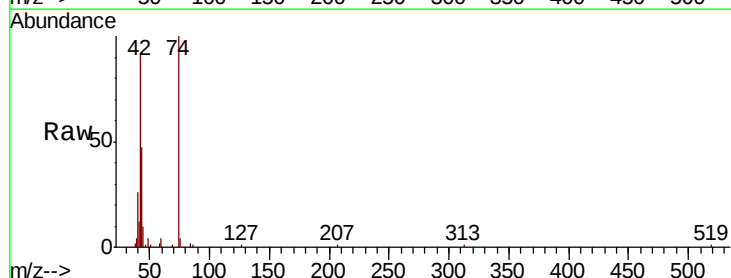
Tgt Ion: 42 Resp: 47391

Ion Ratio Lower Upper

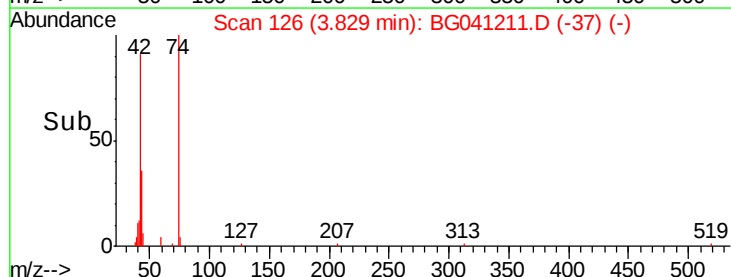
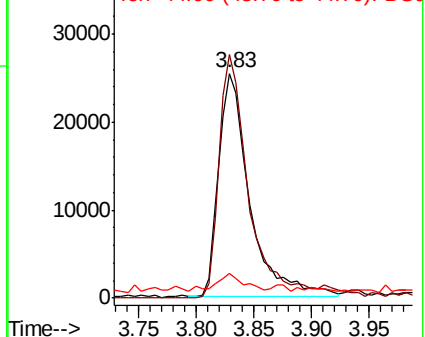
42 100

74 108.4 91.8 137.6

44 11.0 6.0 9.0#



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: 140.231 ng

RT: 5.64 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

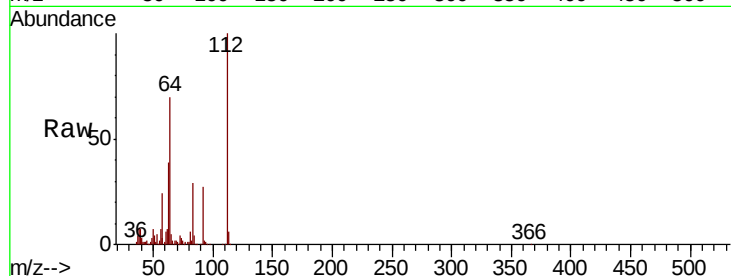
Tgt Ion: 112 Resp: 274254

Ion Ratio Lower Upper

112 100

64 69.8 56.2 84.2

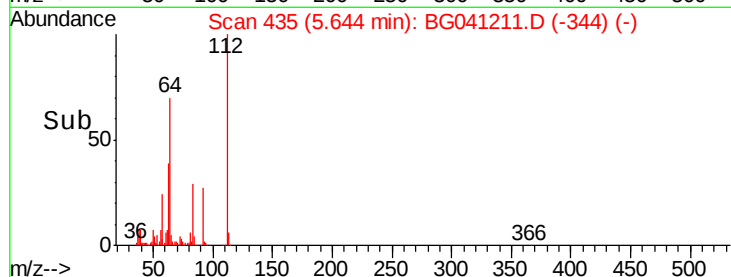
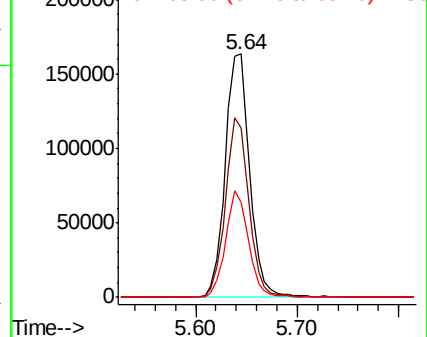
63 39.3 32.8 49.2



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



#6

Aniline

Concen: 13.825 ng

RT: 7.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

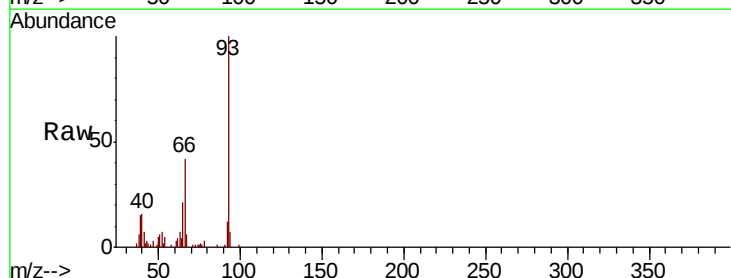
Tgt Ion: 93 Resp: 55738

Ion Ratio Lower Upper

93 100

66 42.2 33.8 50.8

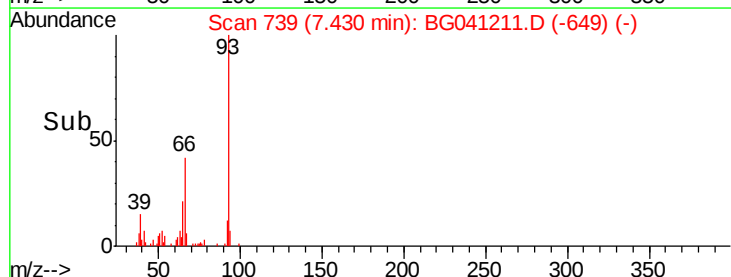
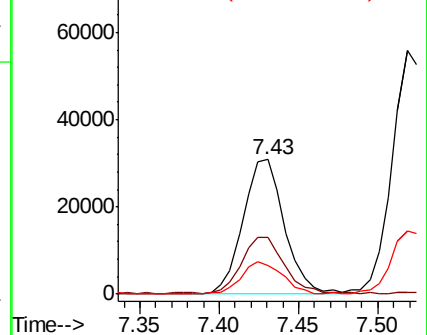
65 21.1 18.3 27.5

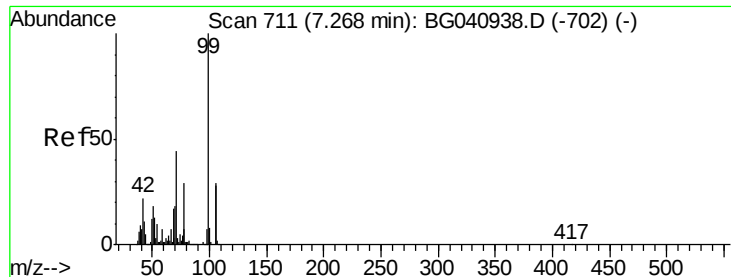


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 136.037 ng

RT: 7.25 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041211.D

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SOIL-01

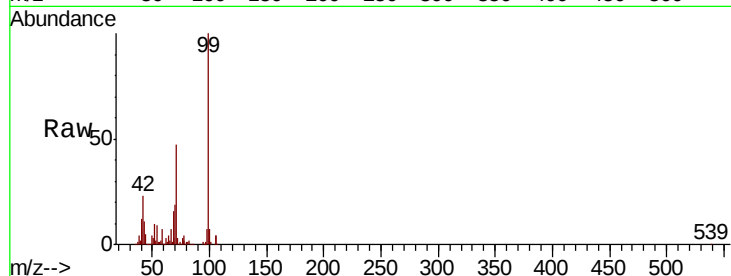
Tgt Ion: 99 Resp: 410889

Ion Ratio Lower Upper

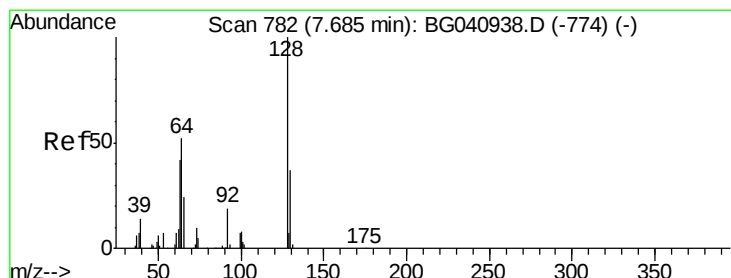
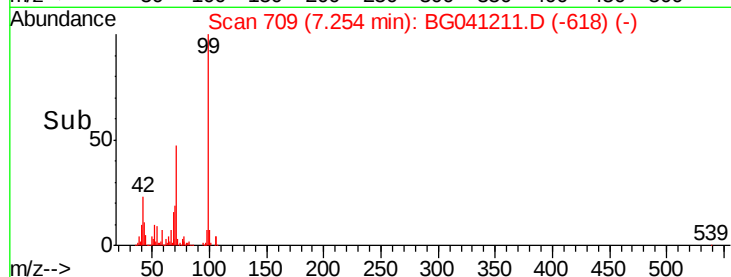
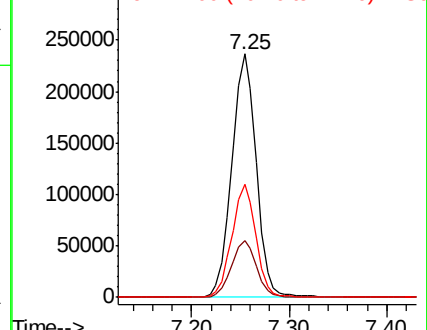
99 100

42 23.2 17.9 26.9

71 46.5 35.4 53.0



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



#8

2-Chlorophenol

Concen: 44.536 ng

RT: 7.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

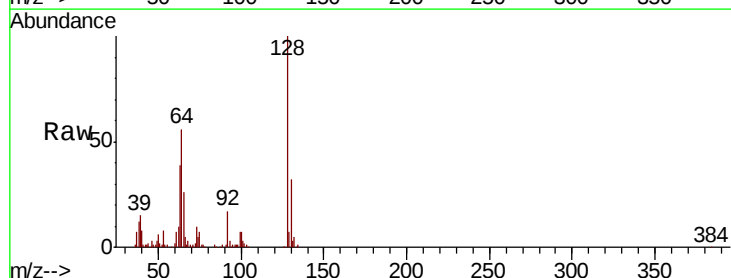
Tgt Ion: 128 Resp: 103839

Ion Ratio Lower Upper

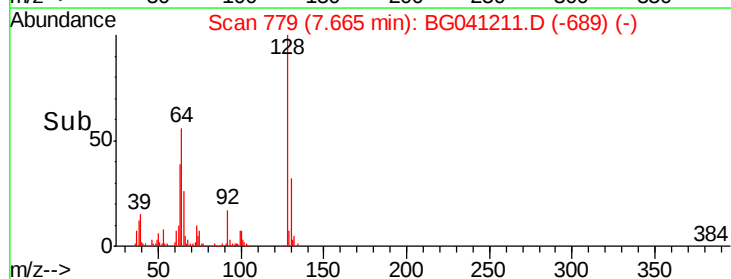
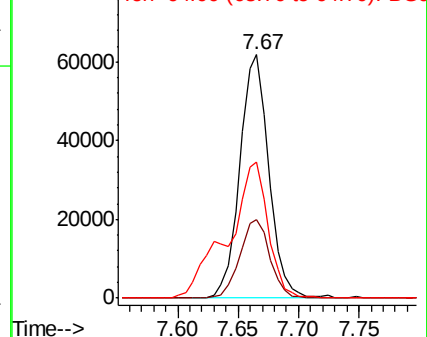
128 100

130 32.1 16.6 56.6

64 55.9 37.8 77.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 16.690 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

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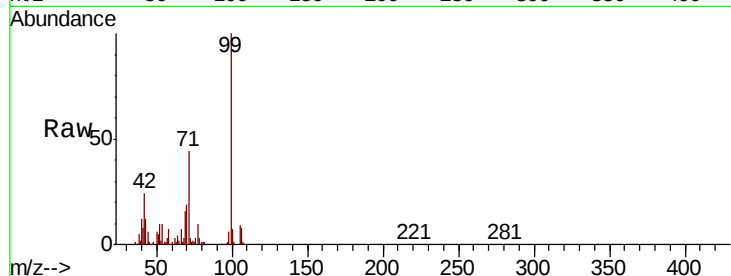
Tgt Ion: 77 Resp: 30072

Ion Ratio Lower Upper

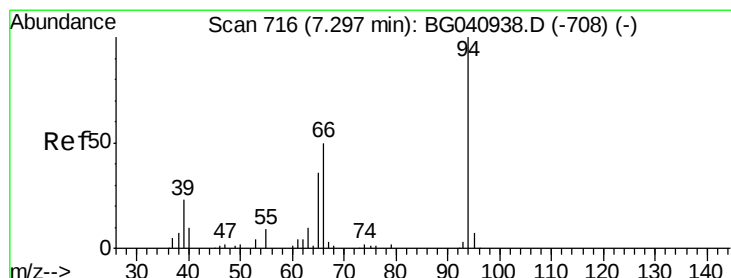
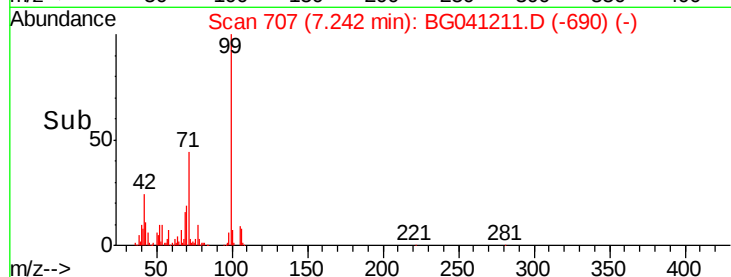
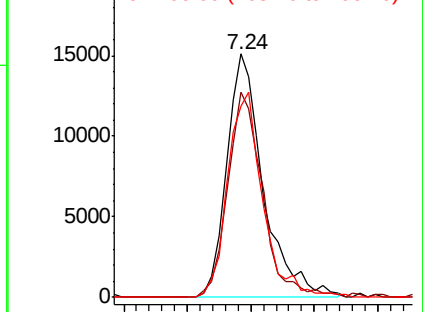
77 100

105 84.1 78.9 118.9

106 78.6 76.7 116.7



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.276 ng

RT: 7.28 min Scan# 713

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

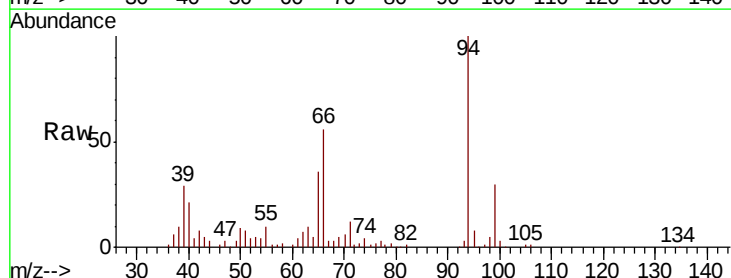
Tgt Ion: 94 Resp: 140150

Ion Ratio Lower Upper

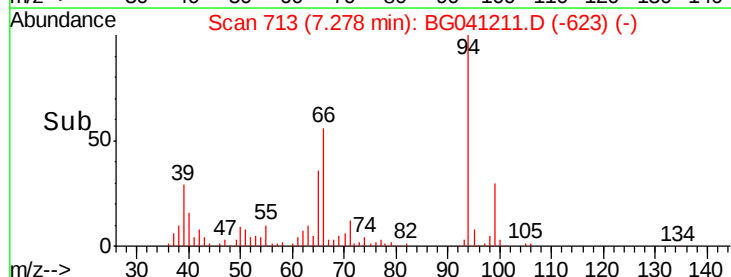
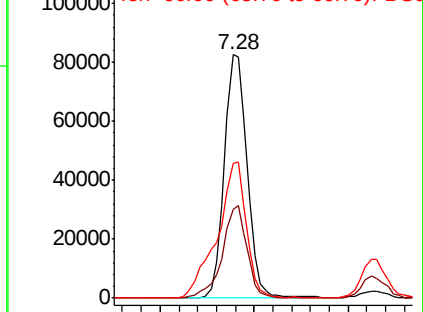
94 100

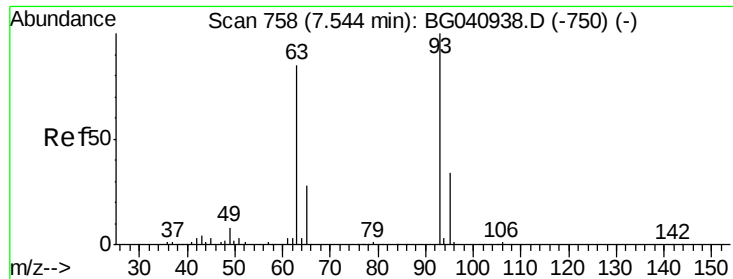
65 36.4 17.0 57.0

66 55.5 32.4 72.4



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

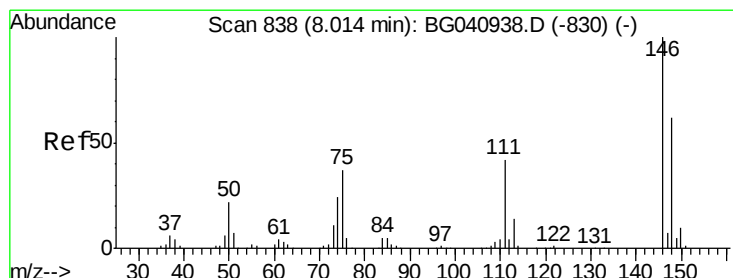
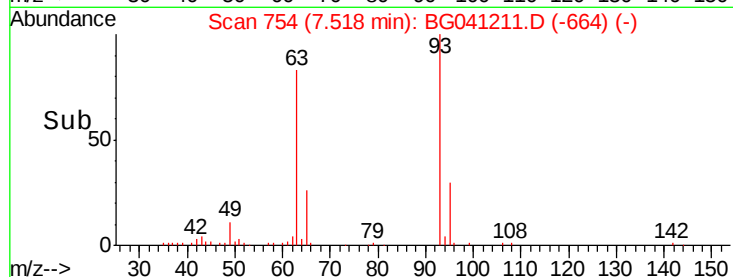
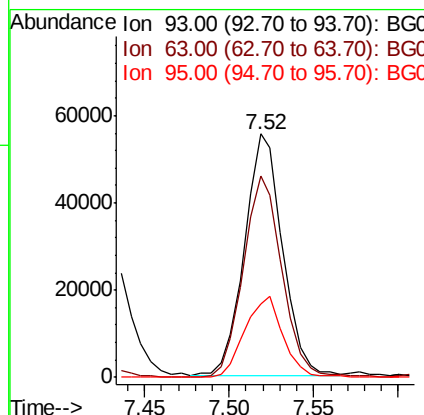
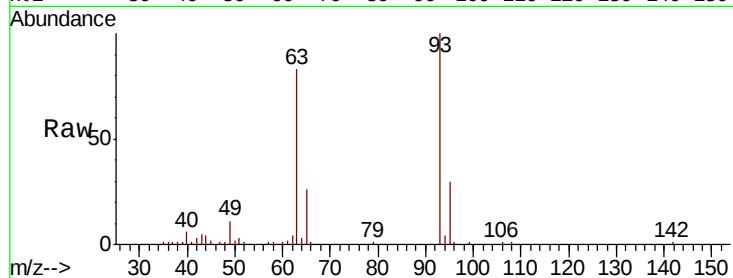




#11
bis(2-Chloroethyl)ether
Concen: 36.987 ng
RT: 7.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

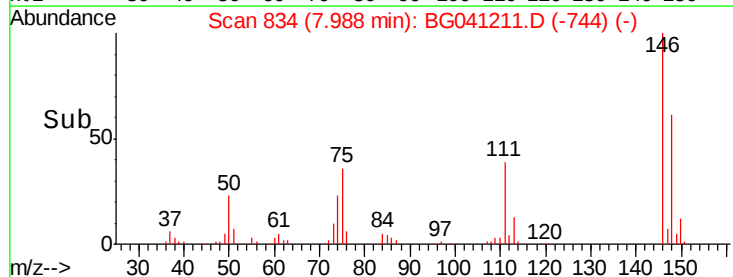
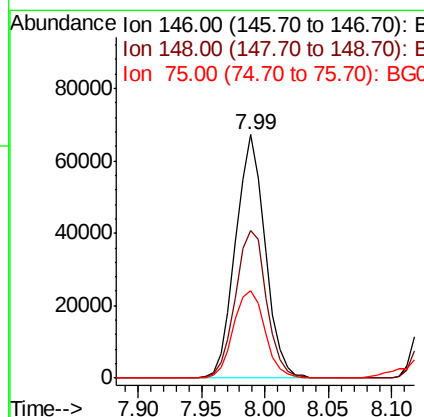
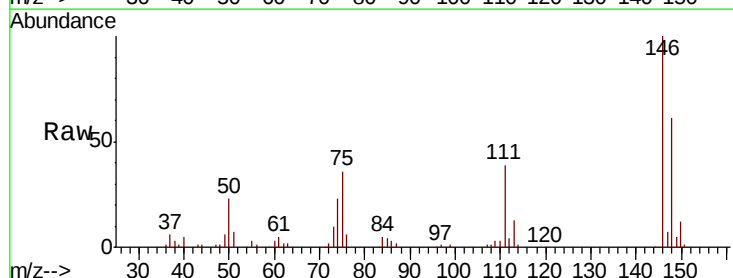
Instrument :
BNA_G
ClientSampleId :
SOIL-01

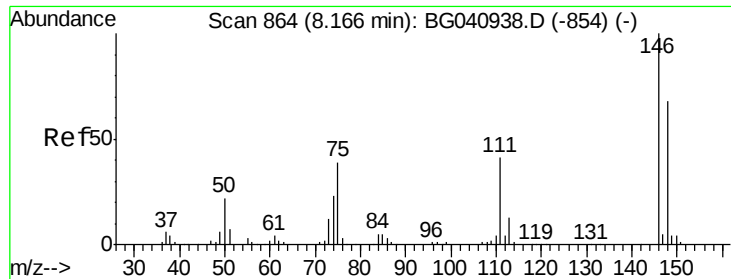
Tgt Ion	Ratio	Lower	Upper
93	100		
63	82.8	64.5	104.5
95	29.9	13.3	53.3



#12
1,3-Dichlorobenzene
Concen: 38.961 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.6	49.2	73.8
75	36.1	29.4	44.0

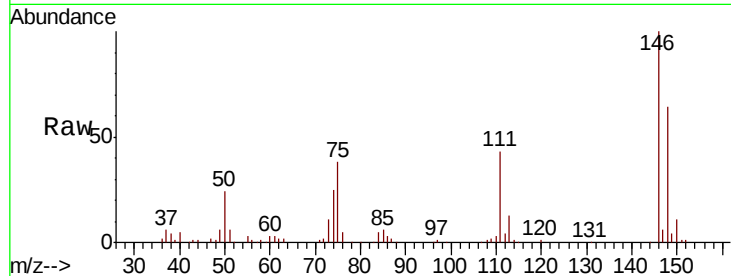




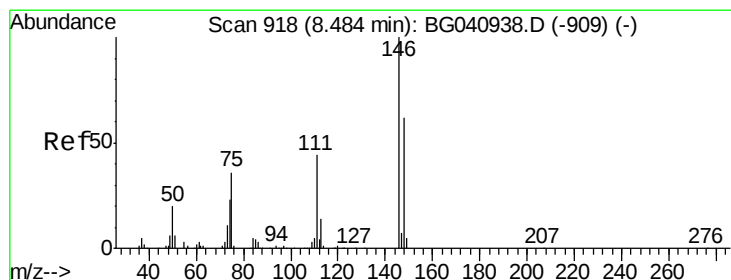
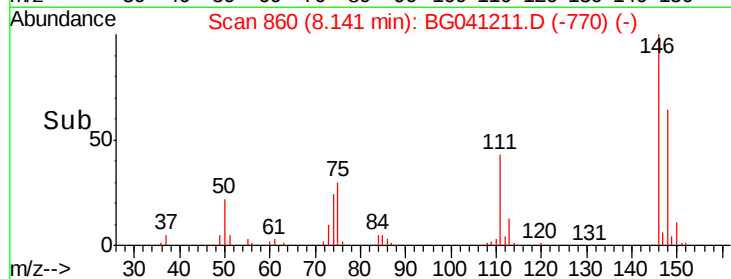
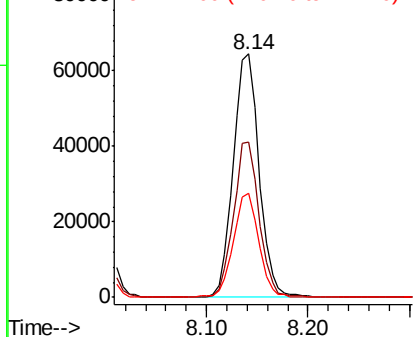
#13
 1,4-Dichlorobenzene
 Concen: 40.589 ng
 RT: 8.14 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tgt Ion:146 Resp: 114412
 Ion Ratio Lower Upper
 146 100
 148 63.7 54.2 81.4
 111 42.7 32.9 49.3

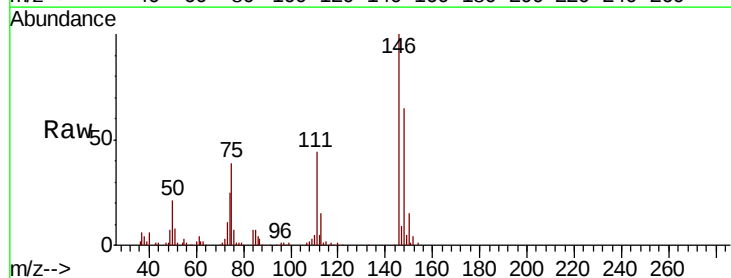


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

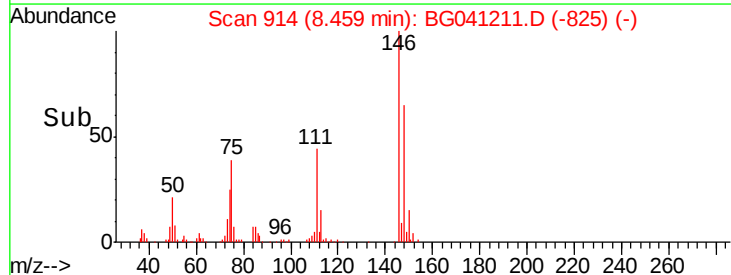
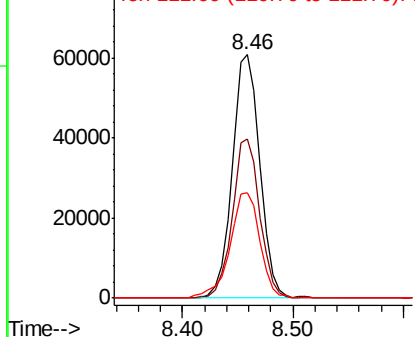


#14
 1,2-Dichlorobenzene
 Concen: 38.888 ng
 RT: 8.46 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion:146 Resp: 106434
 Ion Ratio Lower Upper
 146 100
 148 65.3 49.8 74.6
 111 43.5 35.0 52.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.342 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

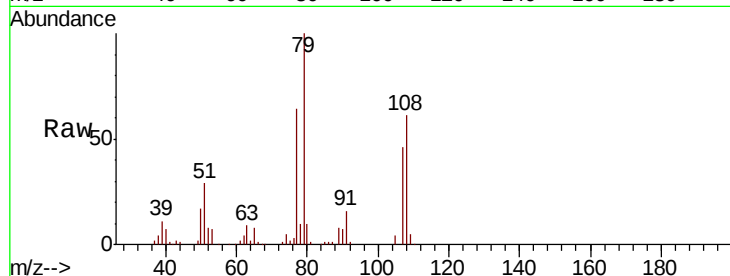
Tgt Ion: 79 Resp: 112716

Ion Ratio Lower Upper

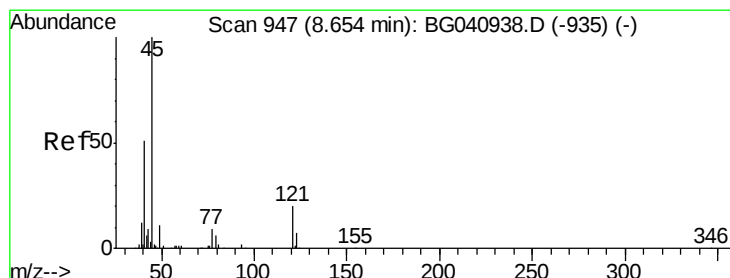
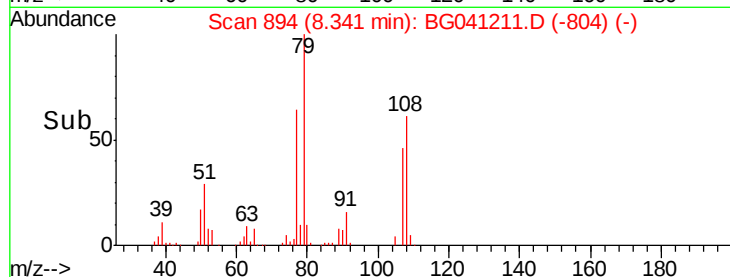
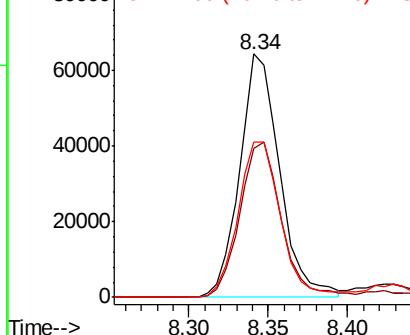
79 100

108 61.0 48.3 72.5

77 63.7 52.3 78.5



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.111 ng

RT: 8.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

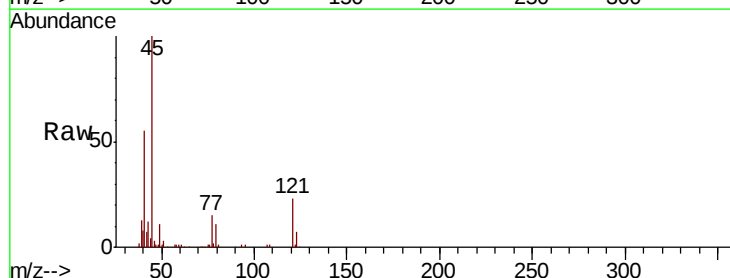
Tgt Ion: 45 Resp: 138630

Ion Ratio Lower Upper

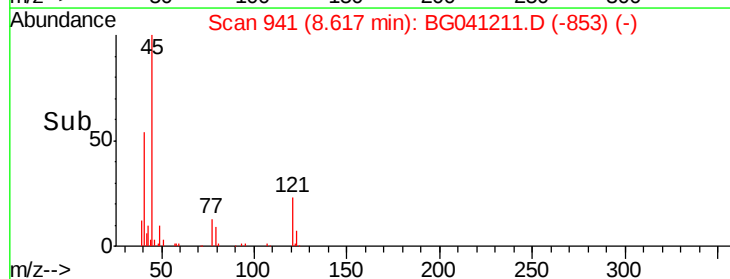
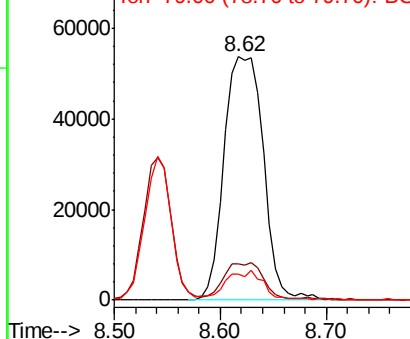
45 100

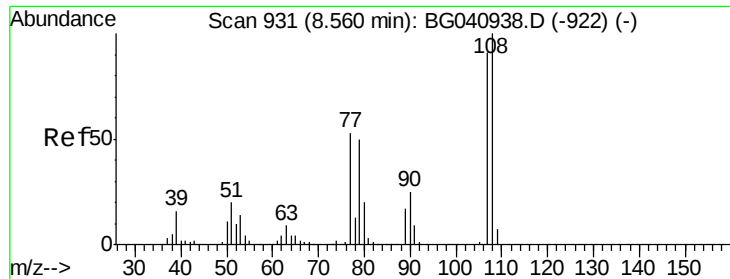
77 14.8 0.0 33.7

79 10.9 0.0 30.2



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

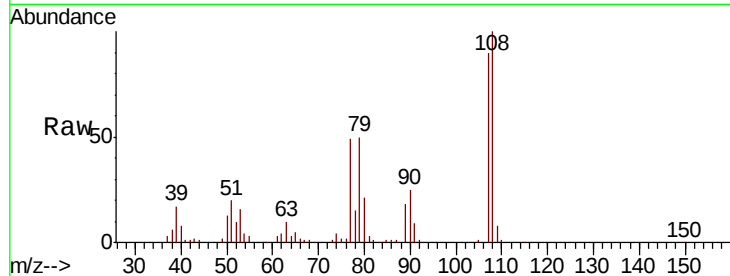




#17
2-Methylphenol
Concen: 42.390 ng
RT: 8.54 min Scan# 928
Delta R.T. 0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleID :
SOIL-01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.5	87.7	131.5
77	54.2	46.6	70.0
79	54.7	44.6	66.8



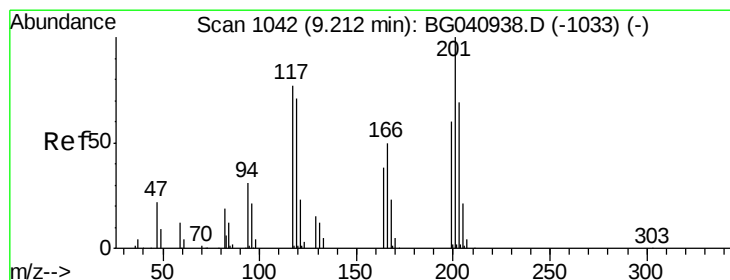
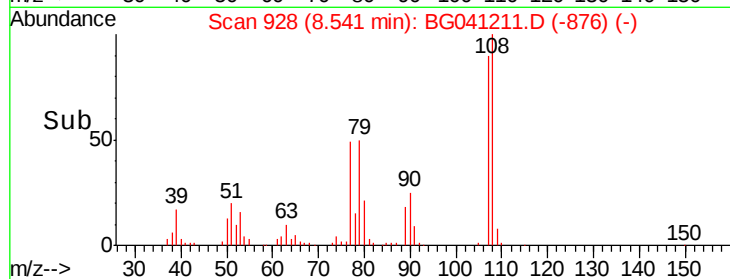
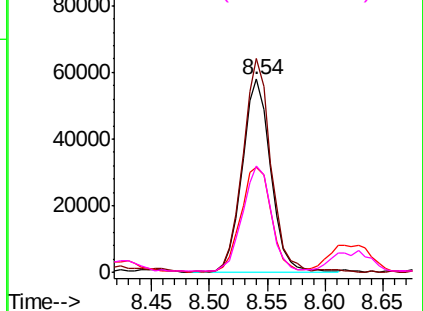
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

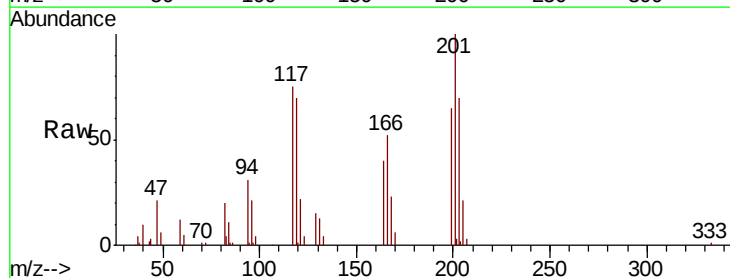
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18
Hexachloroethane
Concen: 39.517 ng
RT: 9.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.0	112.6
201	133.7	103.5	155.3

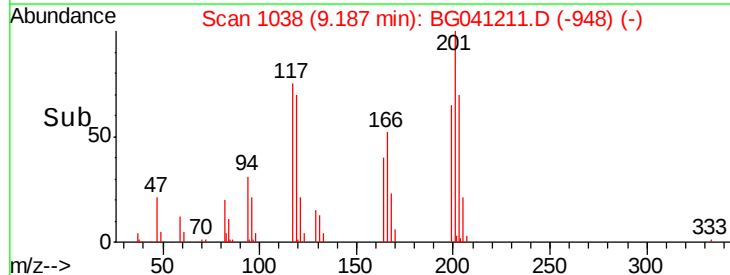
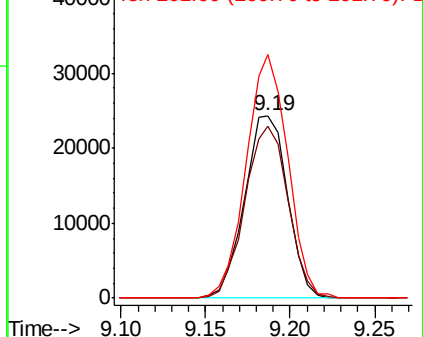


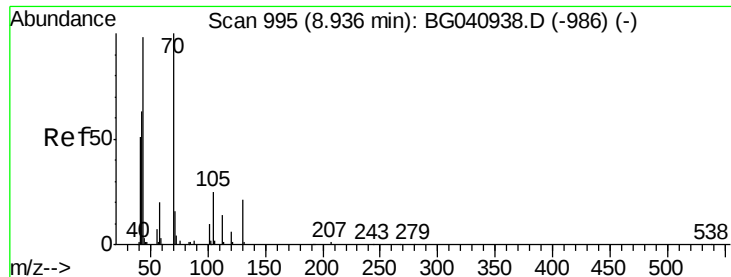
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

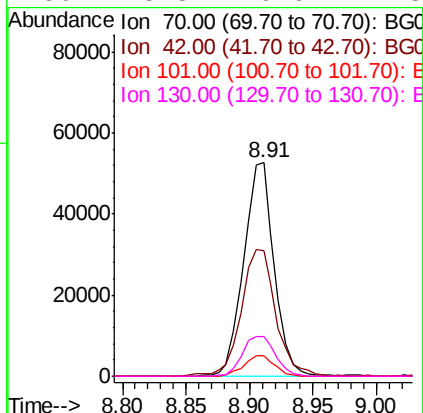
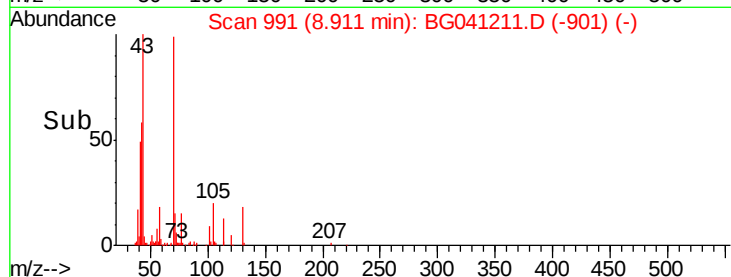
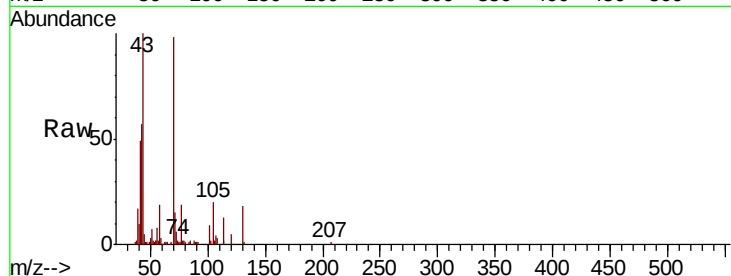




#19
n-Nitroso-di-n-propylamine
Concen: 37.727 ng
RT: 8.91 min Scan# 991
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

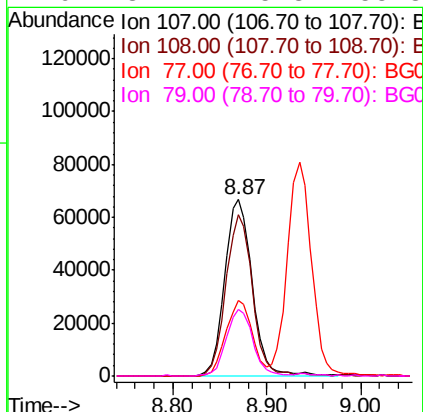
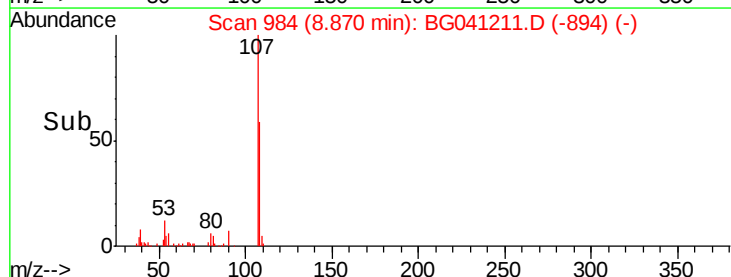
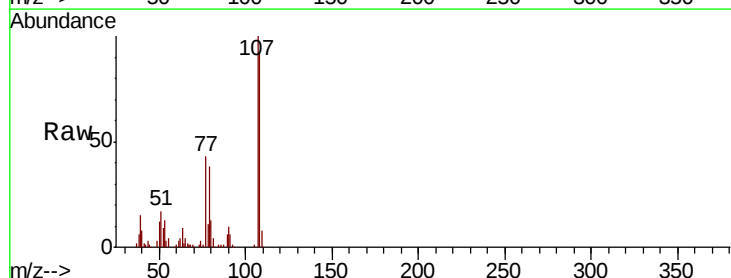
Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion:	70	Resp:	87692
Ion	Ratio	Lower	Upper
70	100		
42	58.4	51.5	77.3
101	9.6	8.1	12.1
130	18.8	16.6	24.8



#20
3+4-Methylphenols
Concen: 41.843 ng
RT: 8.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:	107	Resp:	135908
Ion	Ratio	Lower	Upper
107	100		
108	91.5	66.8	106.8
77	42.9	20.5	60.5
79	37.7	15.8	55.8

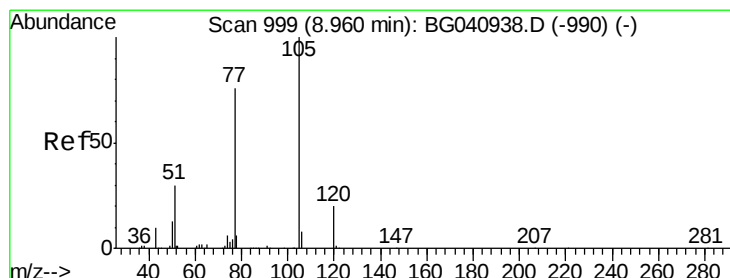
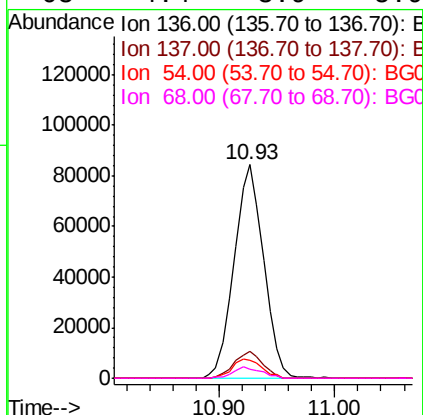
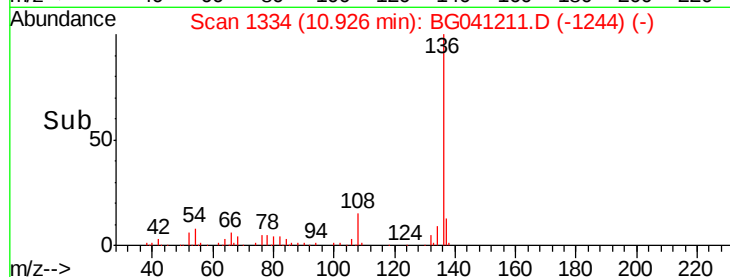
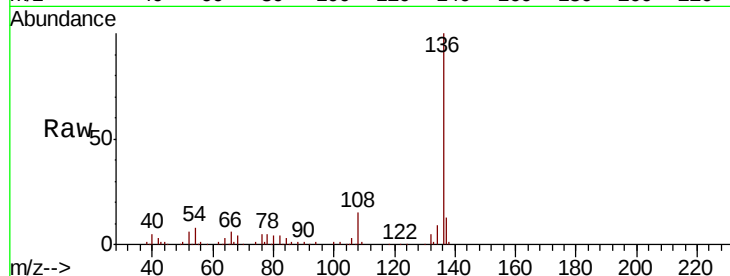




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

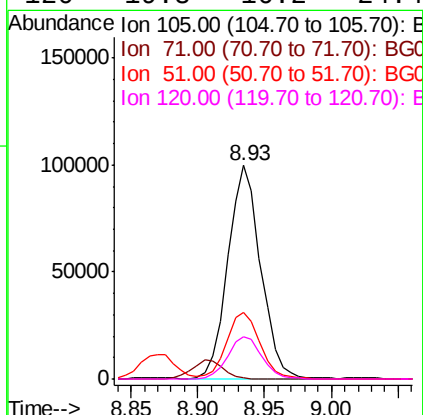
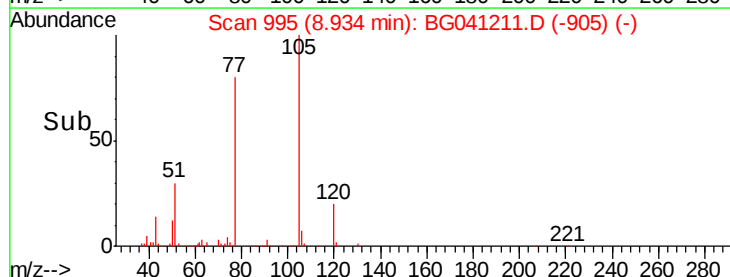
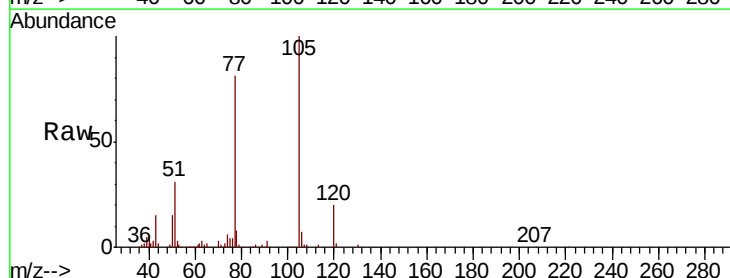
Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion:	136	Resp:	148982
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	8.5	7.6	11.4
68	4.4	3.9	5.9



#22
Acetophenone
Concen: 40.777 ng
RT: 8.93 min Scan# 995
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:	105	Resp:	170415
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.4	0.6
51	31.2	27.0	40.6
120	19.8	16.2	24.4

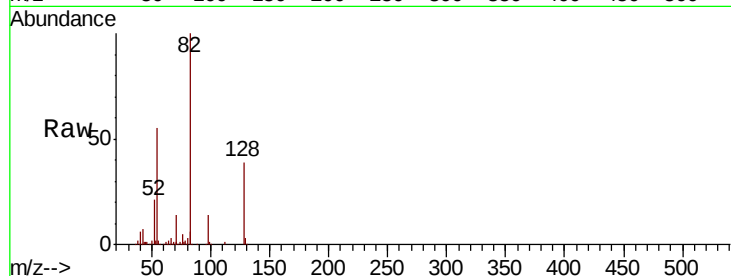




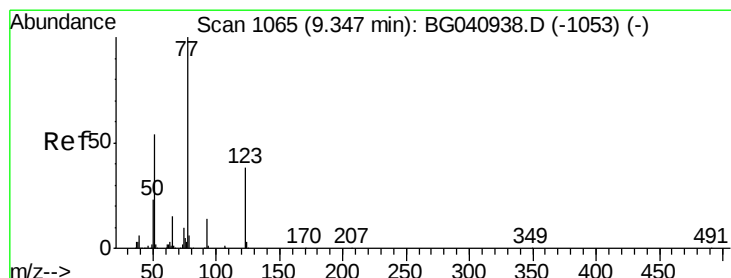
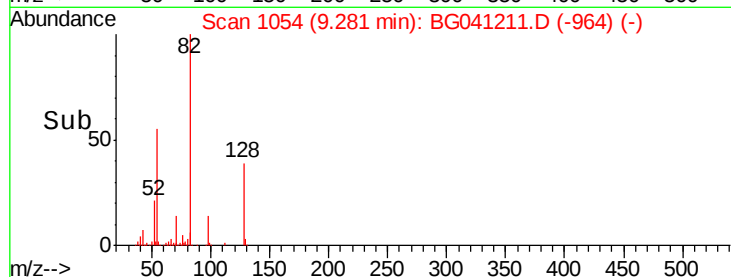
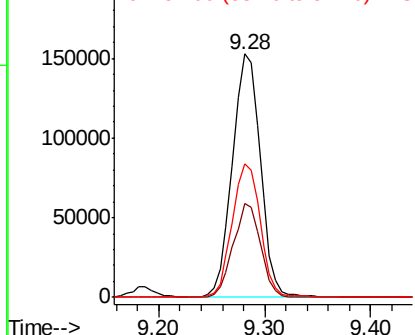
#23
 Nitrobenzene-d5
 Concen: 83.652 ng
 RT: 9.28 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tgt Ion: 82 Resp: 280732
 Ion Ratio Lower Upper
 82 100
 128 38.7 30.5 45.7
 54 55.1 44.6 66.8

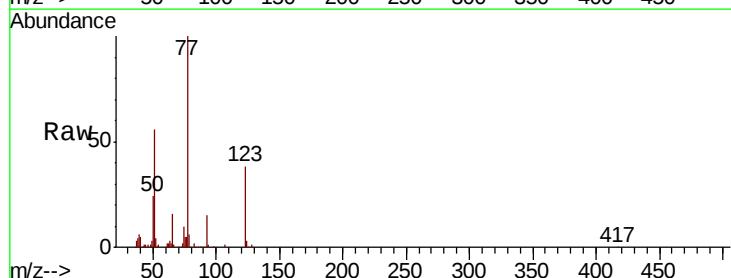


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

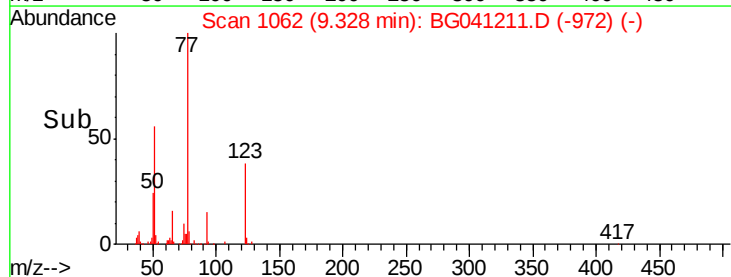
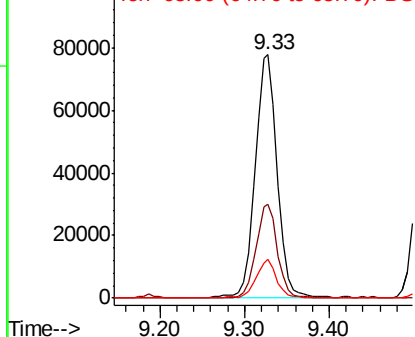


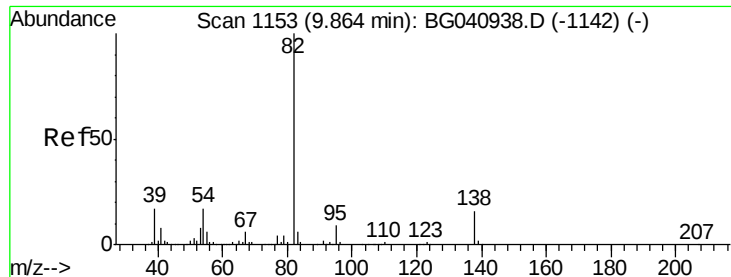
#24
 Nitrobenzene
 Concen: 41.696 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion: 77 Resp: 142599
 Ion Ratio Lower Upper
 77 100
 123 38.5 30.6 46.0
 65 15.8 12.3 18.5



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 39.706 ng

RT: 9.84 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

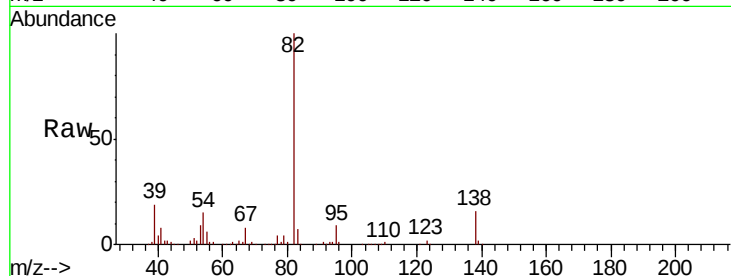
Tgt Ion: 82 Resp: 253587

Ion Ratio Lower Upper

82 100

95 8.8 7.0 10.4

138 16.2 12.6 19.0



Abundance Ion 82.00 (81.70 to 82.70): BG040938.D (-1142) (-)

Ion 95.00 (94.70 to 95.70): BG040938.D (-1142) (-)

Ion 138.00 (137.70 to 138.70): BG040938.D (-1142) (-)

9.84

150000

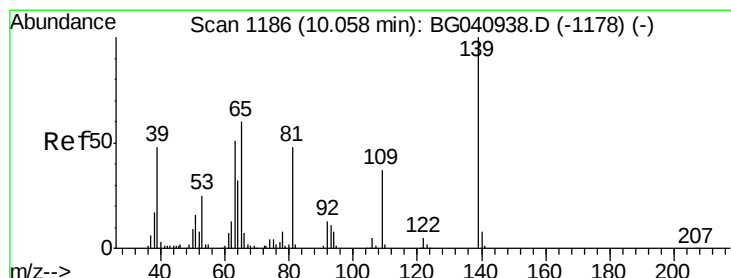
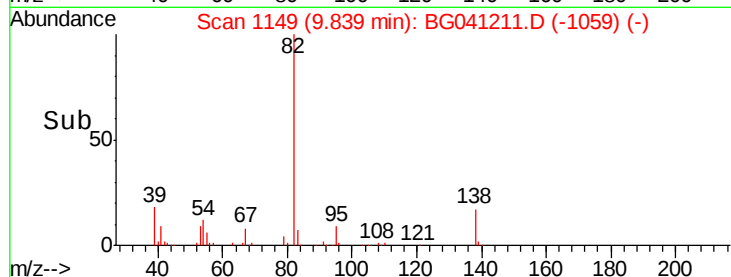
100000

50000

0

9.80 9.90 10.00

Time-->



#26

2-Nitrophenol

Concen: 45.721 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

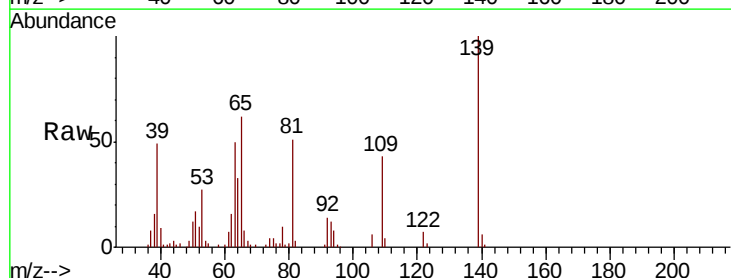
Tgt Ion: 139 Resp: 64461

Ion Ratio Lower Upper

139 100

109 43.3 29.8 44.6

65 62.3 47.8 71.6



Abundance Ion 139.00 (138.70 to 139.70): BG040938.D (-1178) (-)

Ion 109.00 (108.70 to 109.70): BG040938.D (-1178) (-)

Ion 65.00 (64.70 to 65.70): BG040938.D (-1178) (-)

10.03

50000

40000

30000

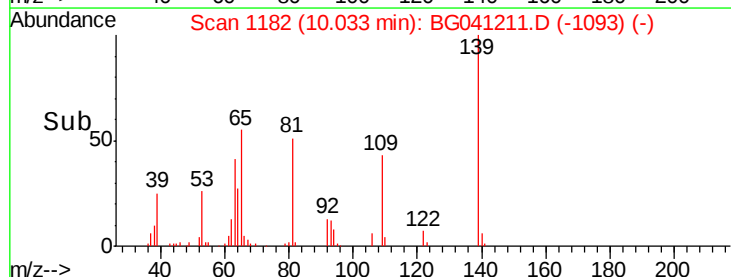
20000

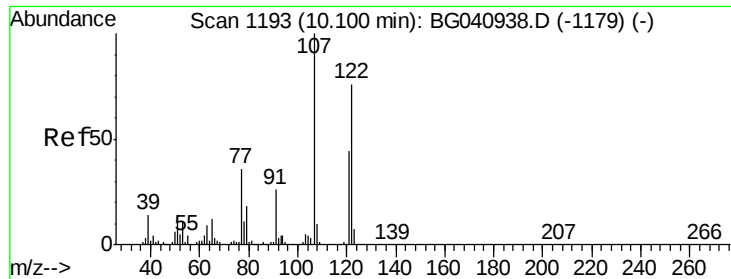
10000

0

10.00 10.10

Time-->

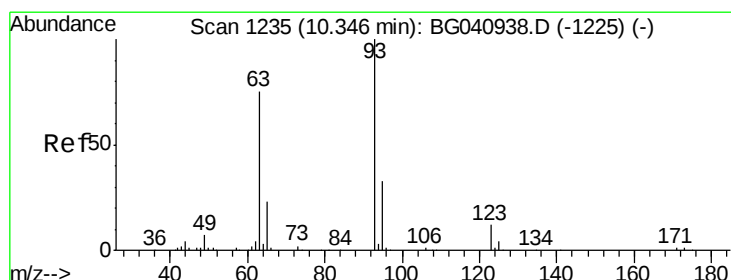
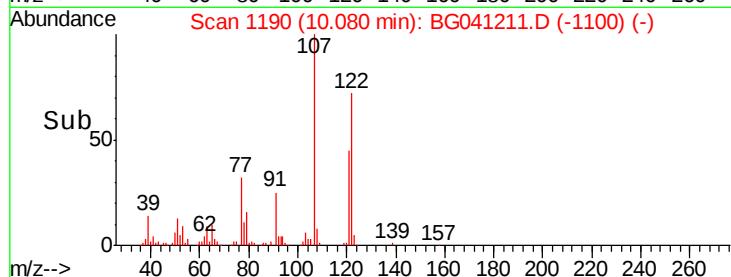
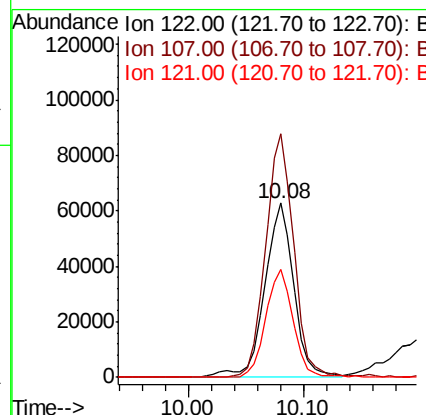
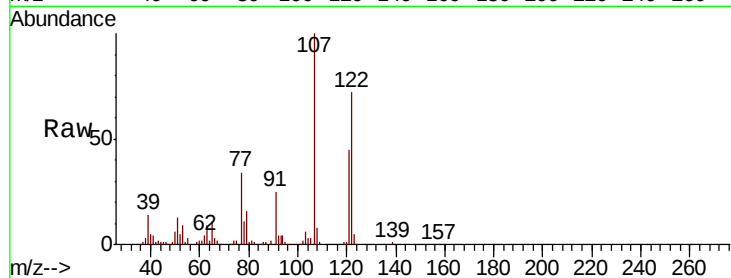




#27
 2,4-Dimethylphenol
 Concen: 47.411 ng
 RT: 10.08 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

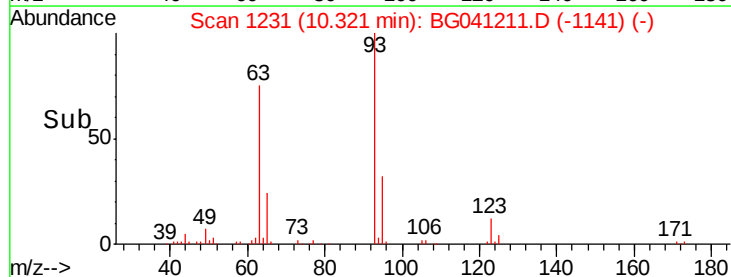
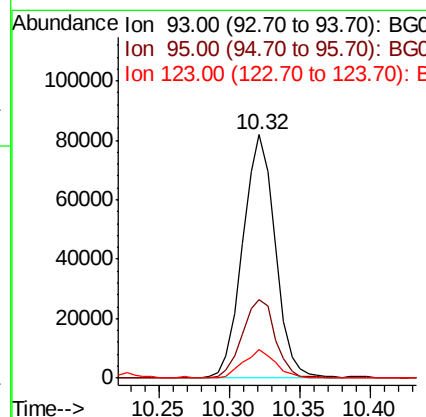
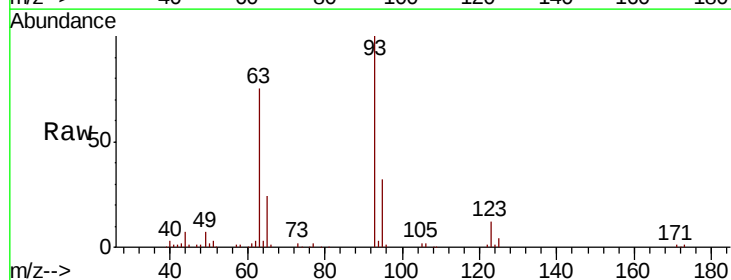
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

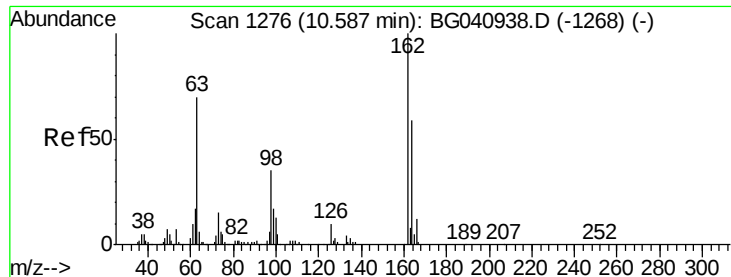
Tgt Ion	Ratio	Lower	Upper
122	100		
107	139.7	105.9	158.9
121	62.3	46.2	69.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 38.332 ng
 RT: 10.32 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.2
123	11.8	9.5	14.3

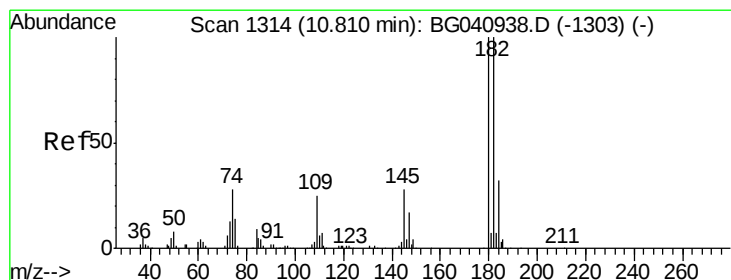
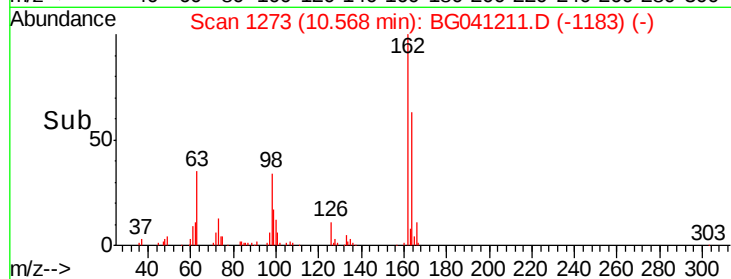
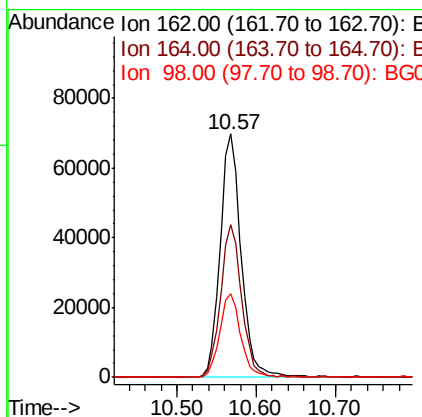
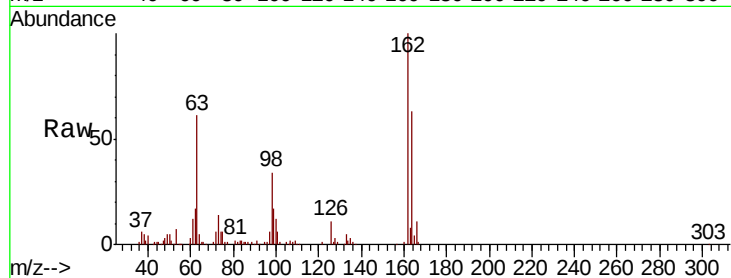




#29
 2,4-Dichlorophenol
 Concen: 43.389 ng
 RT: 10.57 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

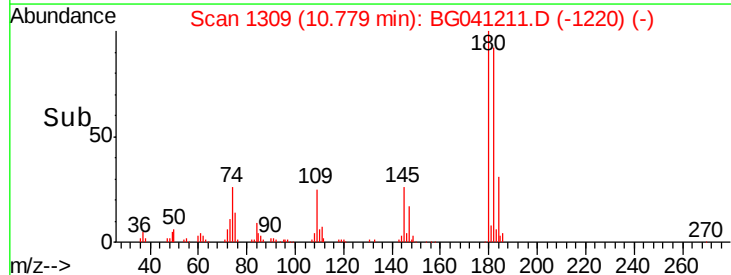
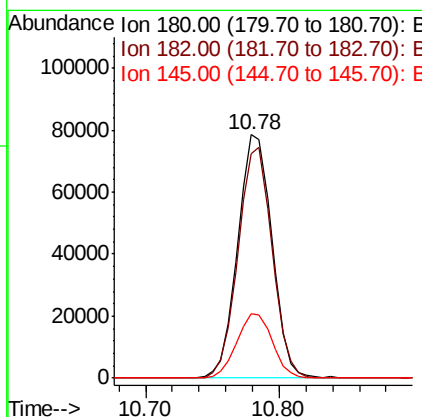
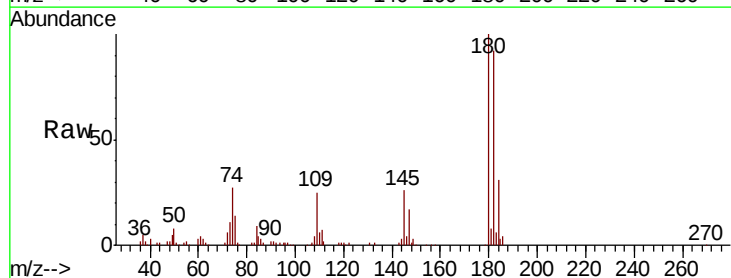
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.8	39.4	79.4
98	34.5	15.3	55.3



#30
 1,2,4-Trichlorobenzene
 Concen: 41.461 ng
 RT: 10.78 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	79.7	119.5
145	26.3	22.6	34.0

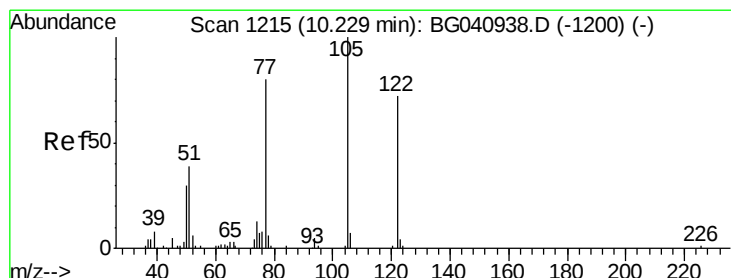
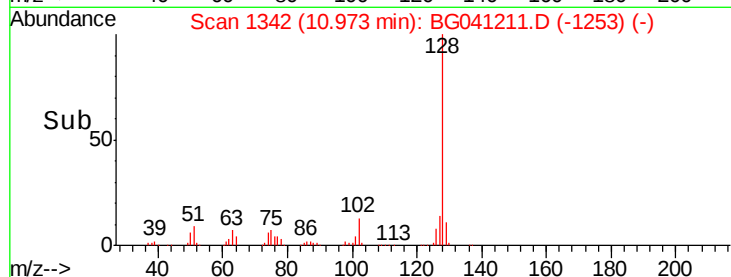
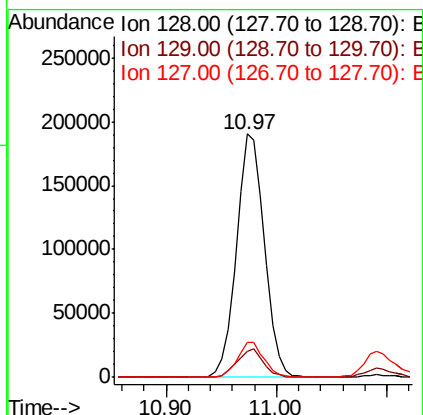
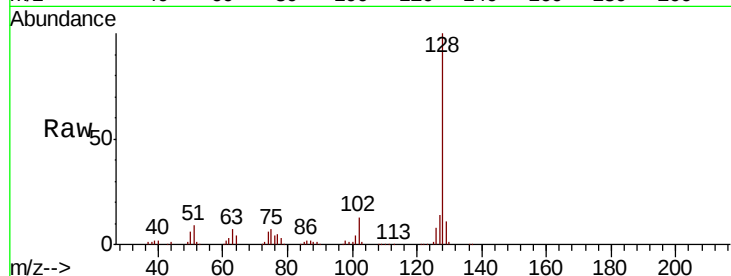




#31
Naphthalene
Concen: 42.197 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

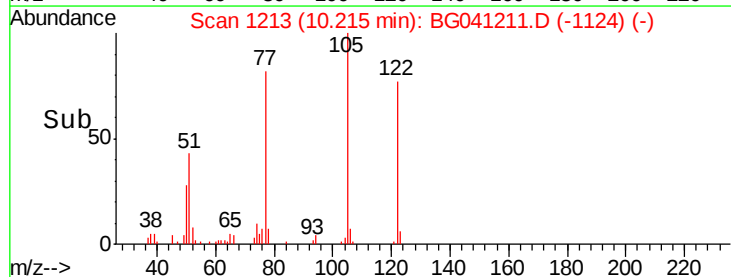
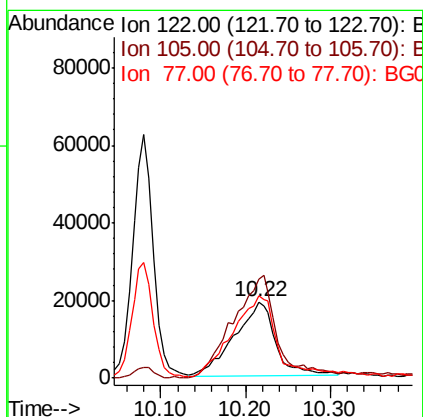
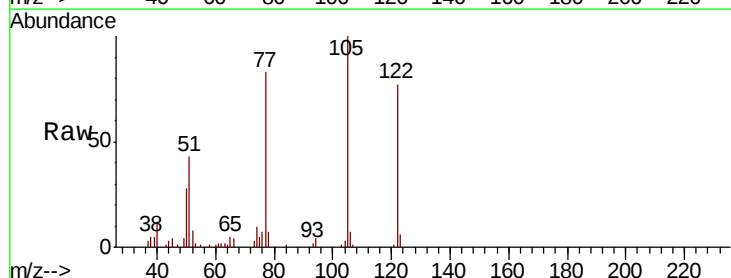
Instrument :
BNA_G
ClientSampleId :
SOIL-01

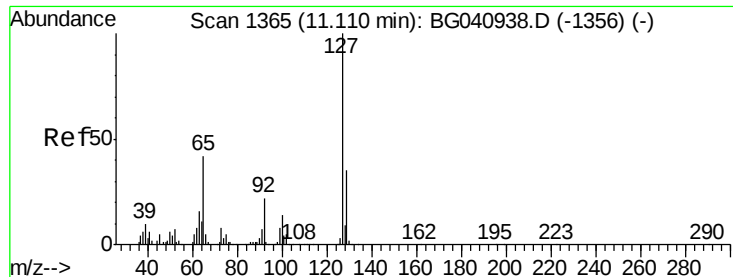
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.5	12.7
127	14.4	11.4	17.2



#32
Benzoic acid
Concen: 38.006 ng
RT: 10.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.5	114.8	154.8
77	107.3	89.9	129.9

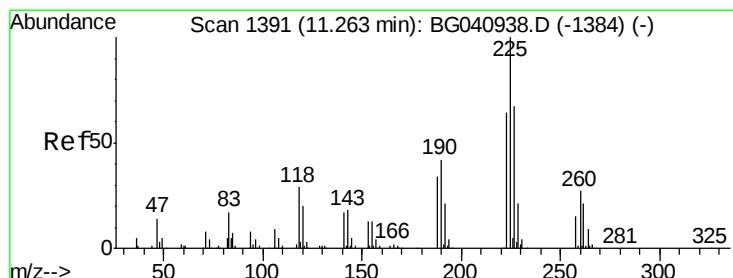
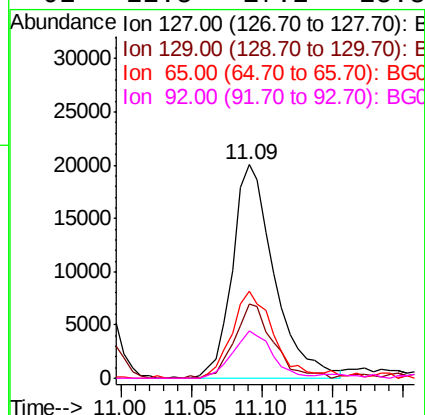
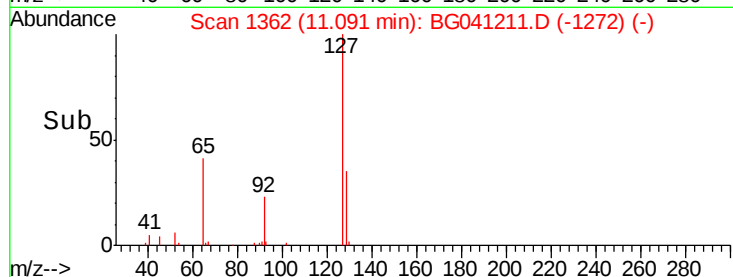
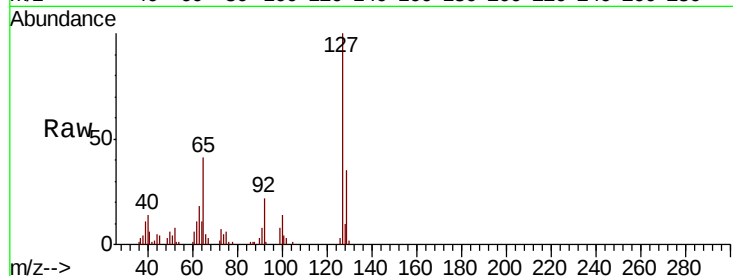




#33
4-Chloroaniline
Concen: 11.193 ng
RT: 11.09 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

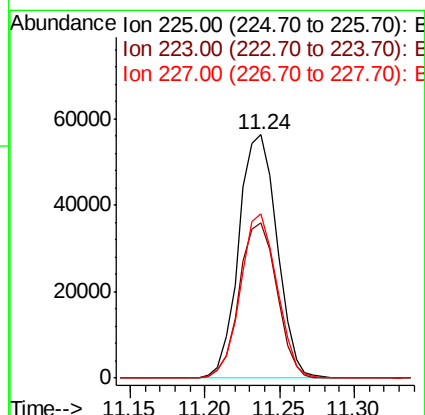
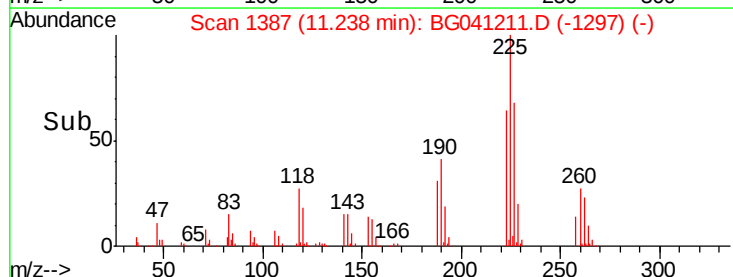
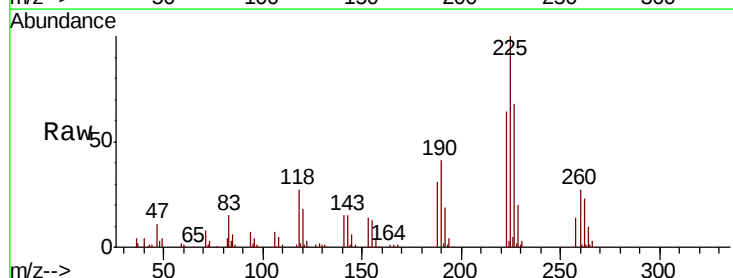
Instrument :
BNA_G
ClientSampleId :
SOIL-01

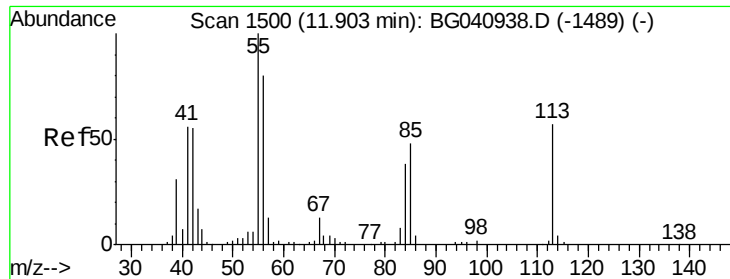
Tgt Ion:	127	Resp:	41542
Ion	Ratio	Lower	Upper
127	100		
129	34.6	27.7	41.5
65	41.0	33.2	49.8
92	22.5	17.2	25.8



#34
Hexachlorobutadiene
Concen: 38.889 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:	225	Resp:	100092
Ion	Ratio	Lower	Upper
225	100		
223	64.0	48.8	73.2
227	67.5	51.4	77.0

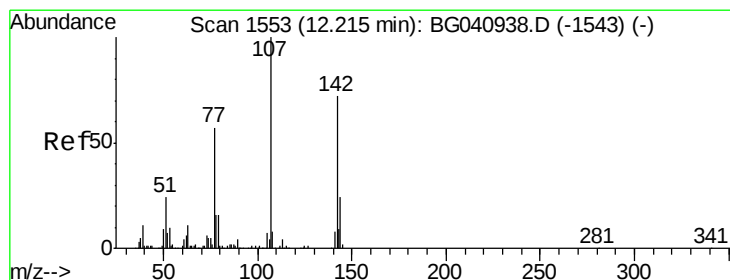
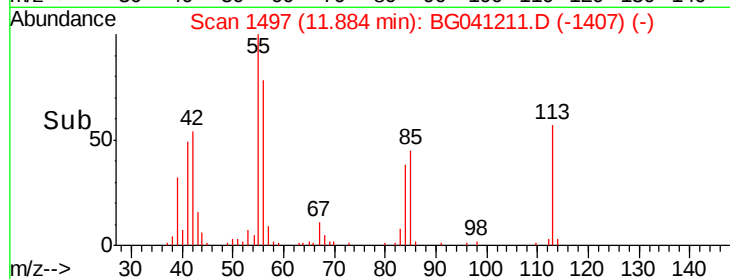
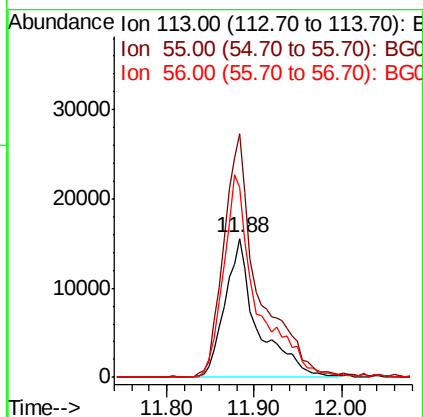
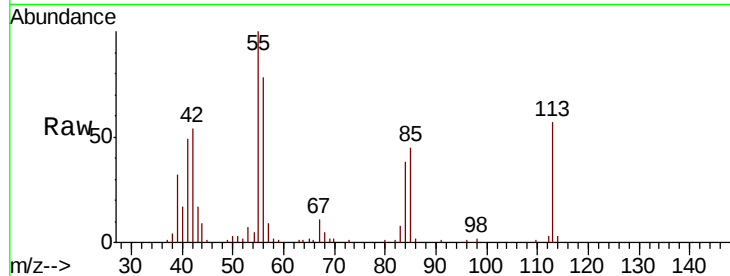




#35
 Caprolactam
 Concen: 40.870 ng
 RT: 11.88 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

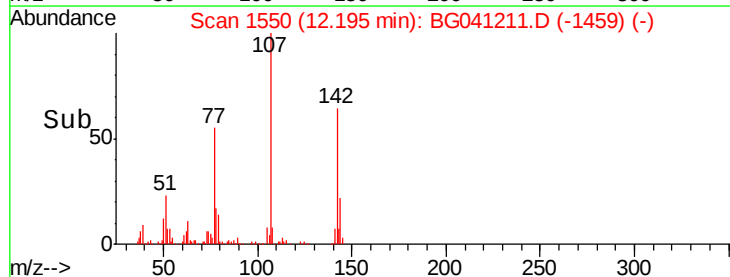
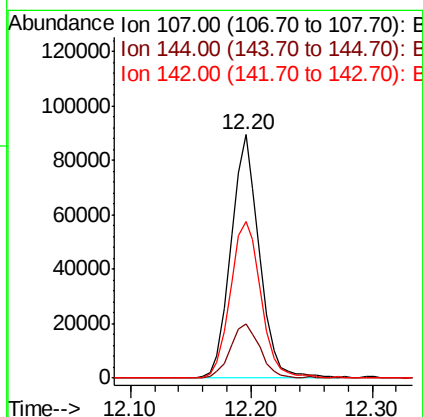
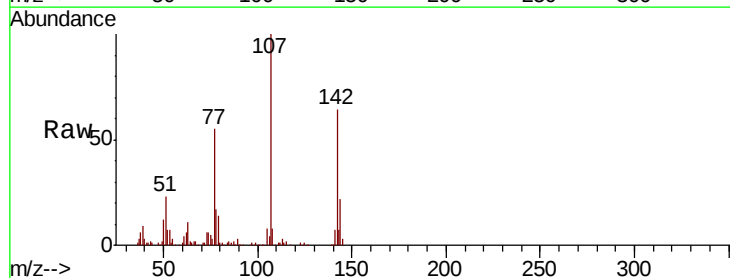
Instrument :
 BNA_G
 ClientSampleID :
 SOIL-01

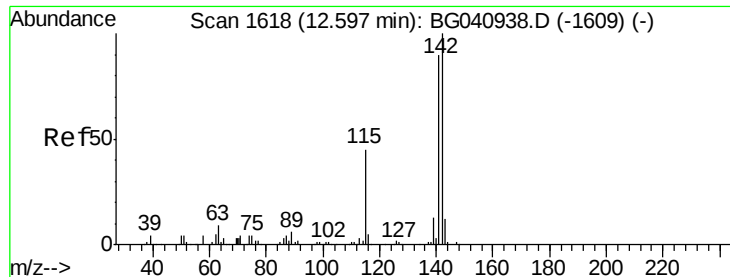
Tgt Ion:113 Resp: 39908
 Ion Ratio Lower Upper
 113 100
 55 175.1 155.9 195.9
 56 136.2 119.9 159.9



#36
 4-Chloro-3-methylphenol
 Concen: 43.299 ng
 RT: 12.20 min Scan# 1550
 Delta R.T. 0.01 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion:107 Resp: 146221
 Ion Ratio Lower Upper
 107 100
 144 22.2 19.4 29.0
 142 64.3 57.3 85.9

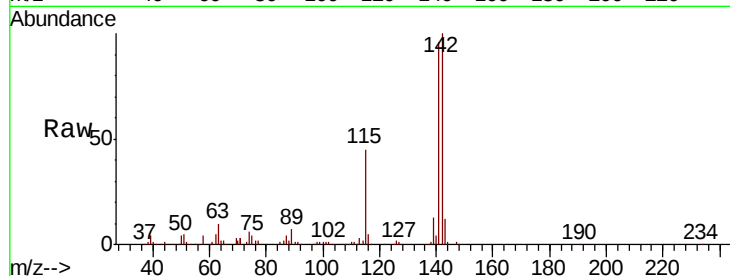




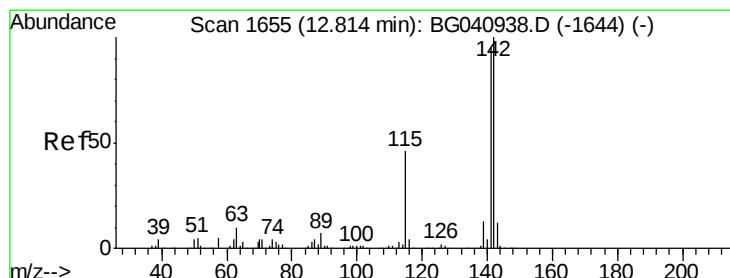
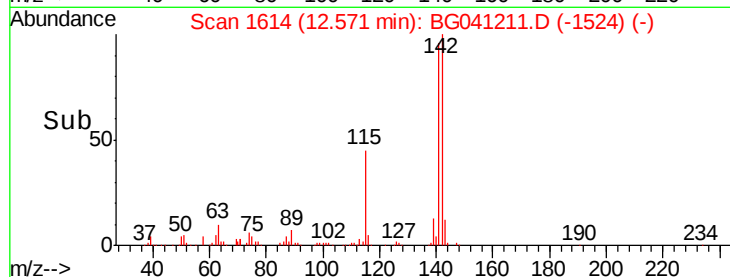
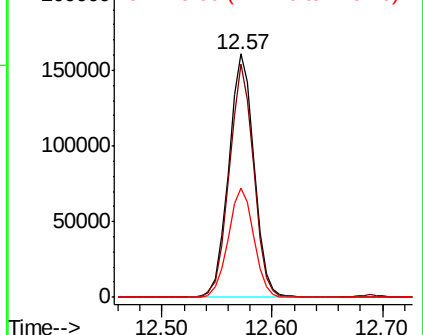
#37
2-Methylnaphthalene
Concen: 42.023 ng
RT: 12.57 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion:142 Resp: 258891
Ion Ratio Lower Upper
142 100
141 95.9 72.2 108.4
115 44.9 36.2 54.4

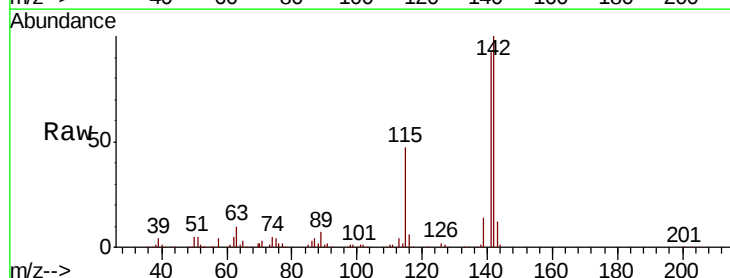


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

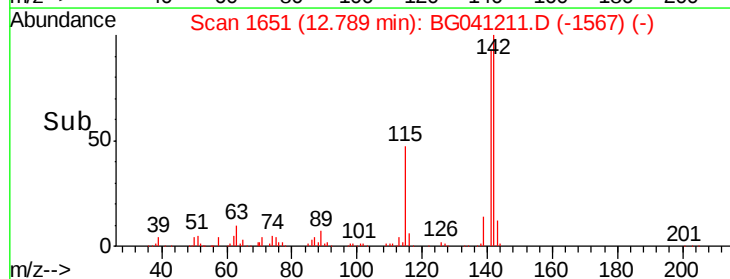
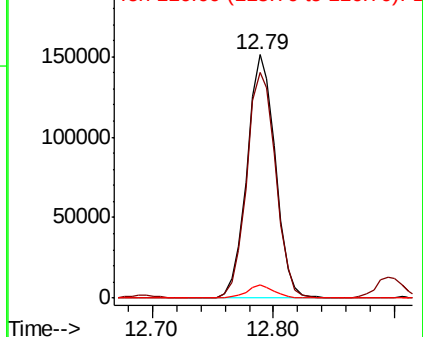


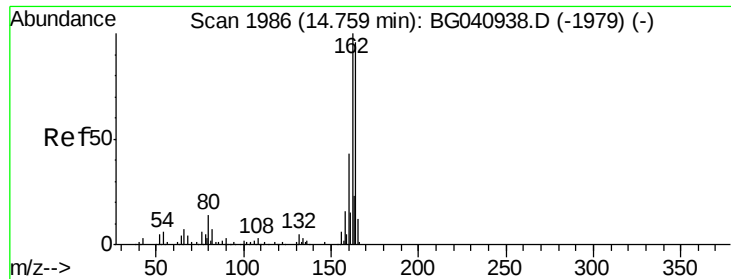
#38
1-Methylnaphthalene
Concen: 42.743 ng
RT: 12.79 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:142 Resp: 248142
Ion Ratio Lower Upper
142 100
141 92.9 75.7 113.5
116 5.5 3.4 5.2#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampled :

SOIL-01

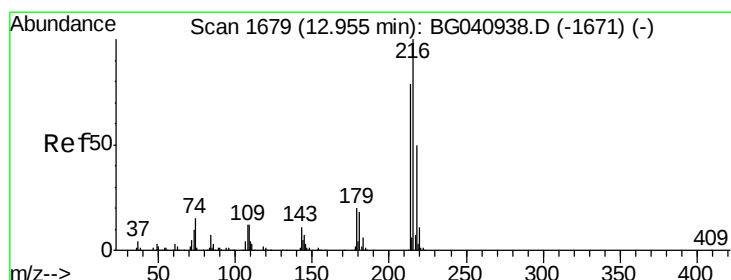
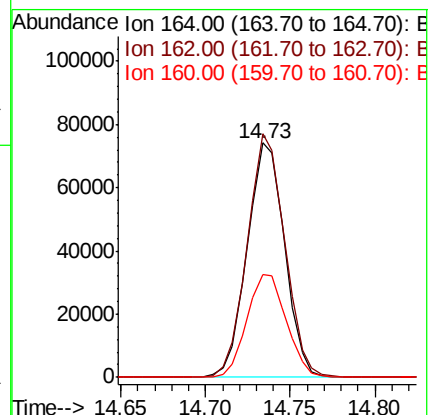
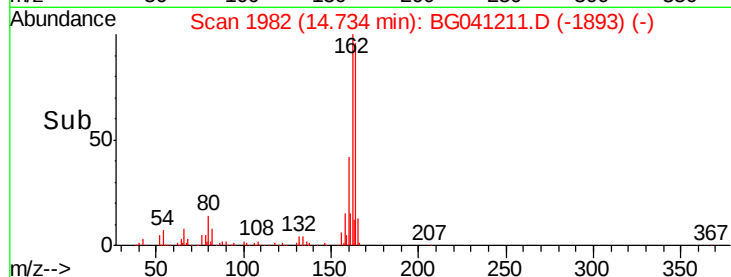
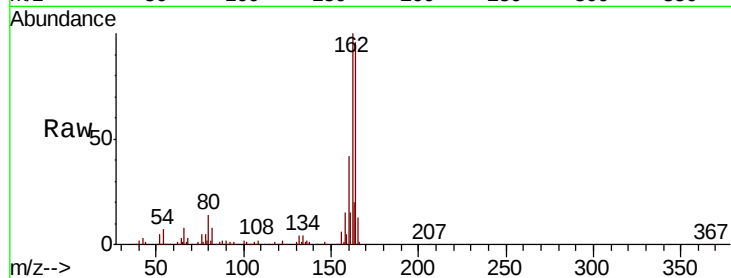
Tgt Ion:164 Resp: 114462

Ion Ratio Lower Upper

164 100

162 103.8 83.0 124.4

160 44.1 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.002 ng

RT: 12.94 min Scan# 1676

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Tgt Ion:216 Resp: 193772

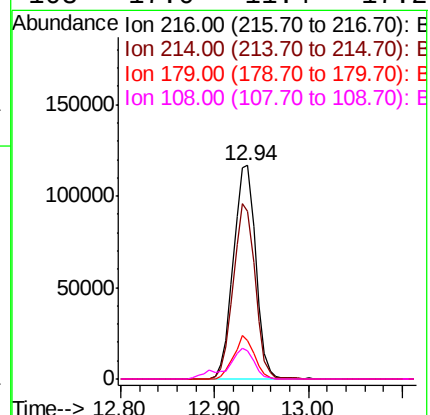
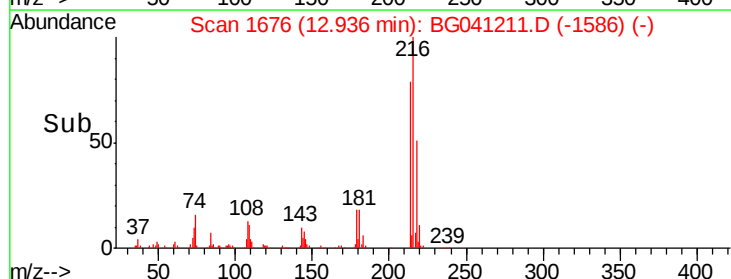
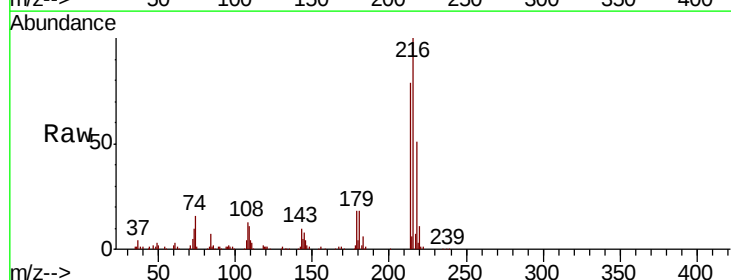
Ion Ratio Lower Upper

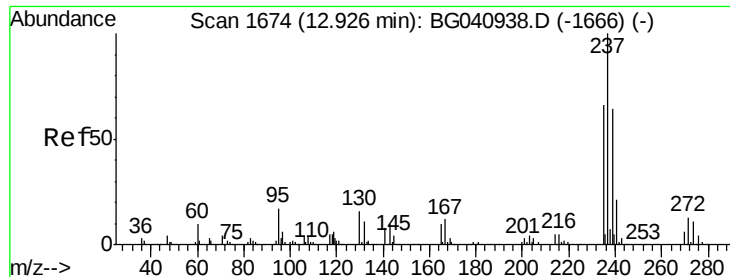
216 100

214 79.8 63.4 95.2

179 18.6 15.2 22.8

108 17.0 11.4 17.2





#41

Hexachlorocyclopentadiene

Concen: 86.641 ng

RT: 12.89 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

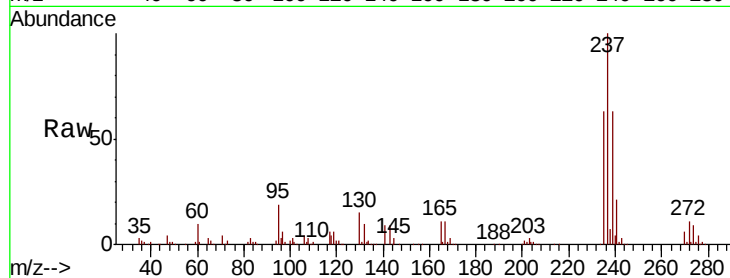
Tgt Ion: 237 Resp: 216755

Ion Ratio Lower Upper

237 100

235 63.0 45.5 85.5

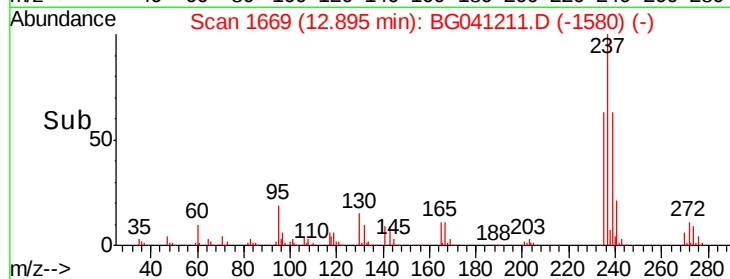
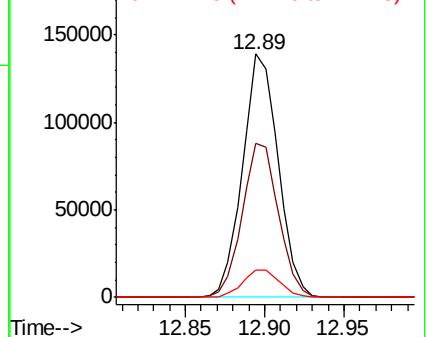
272 11.2 0.0 32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 133.977 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

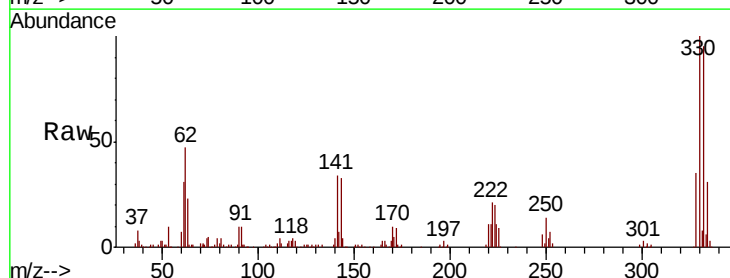
Tgt Ion: 330 Resp: 227663

Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

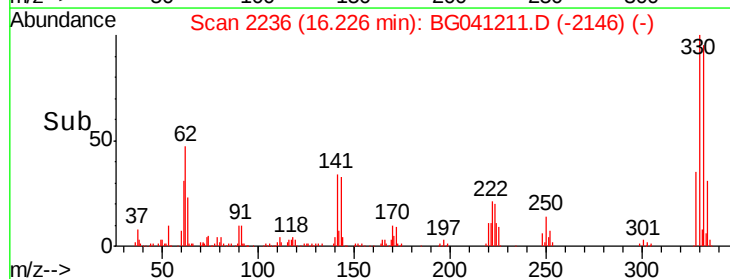
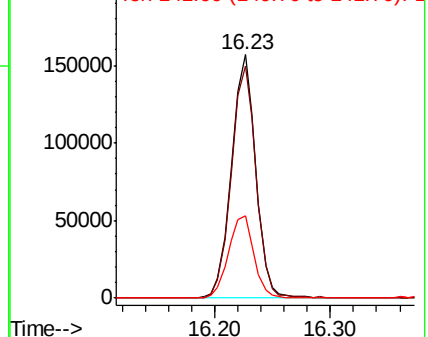
141 35.4 28.7 43.1



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

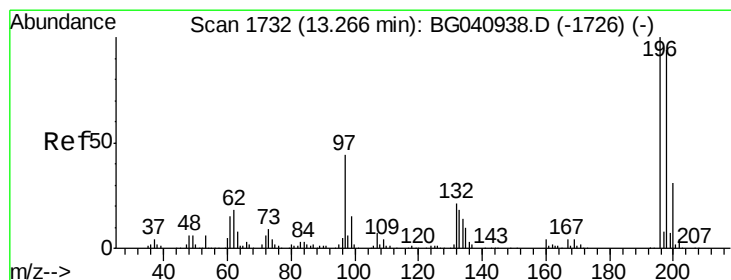
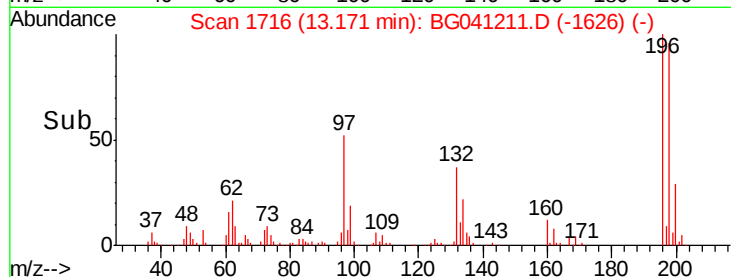
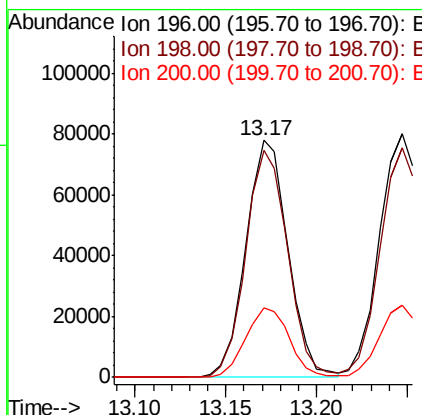
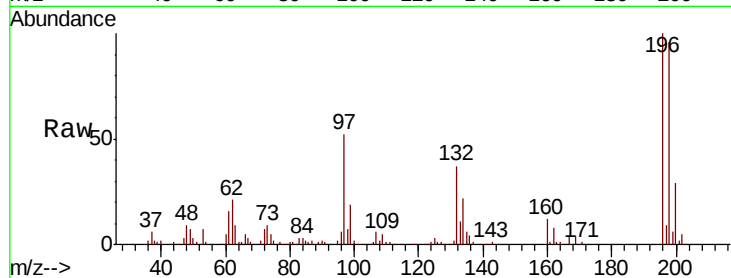




#43
 2,4,6-Trichlorophenol
 Concen: 42.258 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

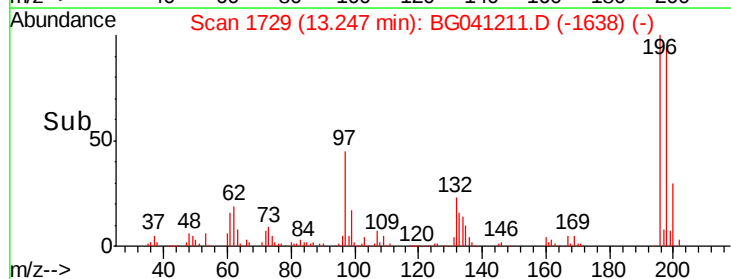
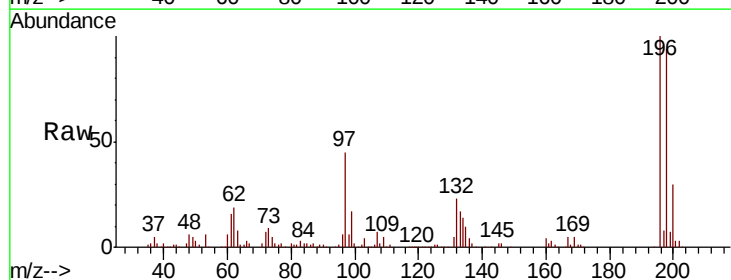
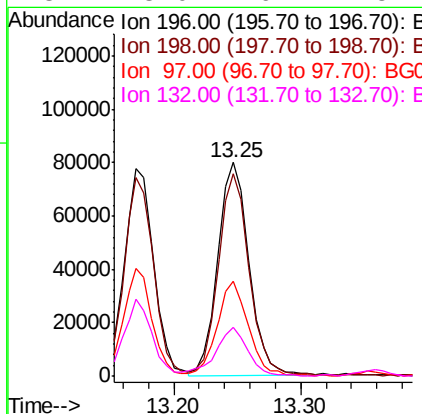
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

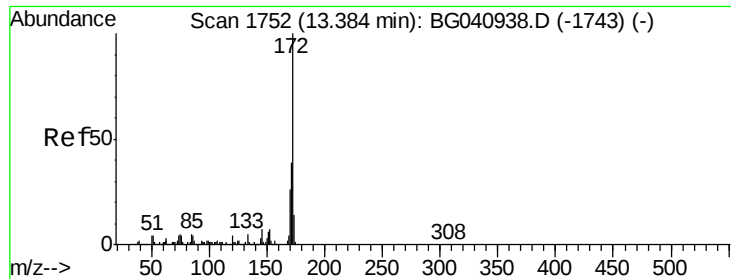
Tgt Ion:196 Resp: 126119
 Ion Ratio Lower Upper
 196 100
 198 95.7 73.8 110.6
 200 29.3 24.1 36.1



#44
 2,4,5-Trichlorophenol
 Concen: 43.484 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion:196 Resp: 136869
 Ion Ratio Lower Upper
 196 100
 198 94.5 75.1 112.7
 97 44.6 35.6 53.4
 132 23.0 16.7 25.1

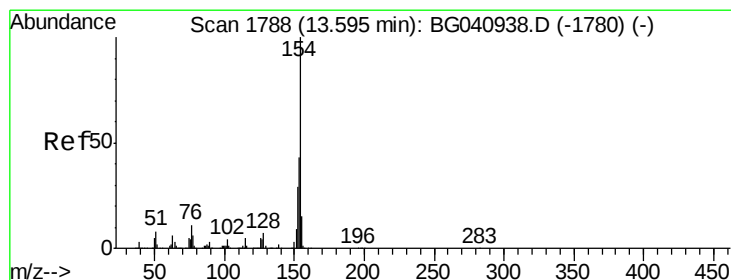
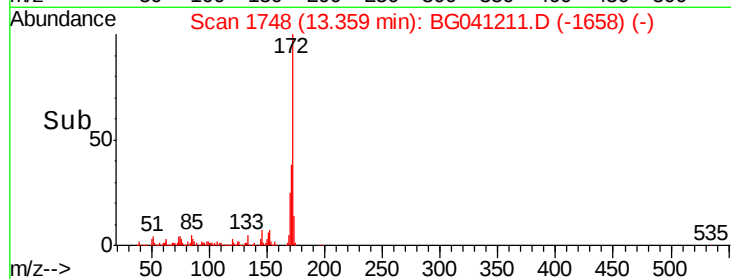
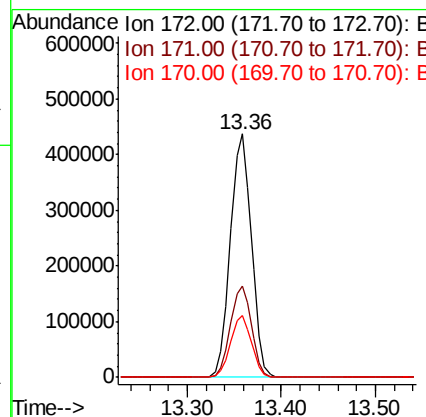
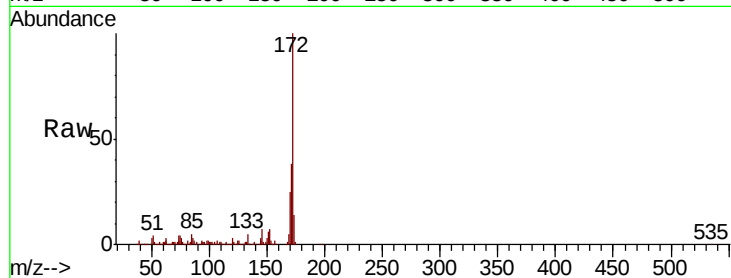




#45
2-Fluorobiphenyl
Concen: 85.735 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

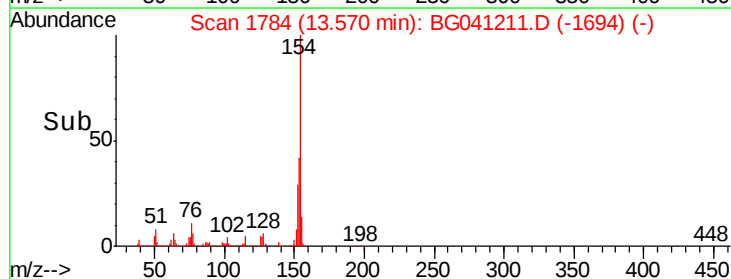
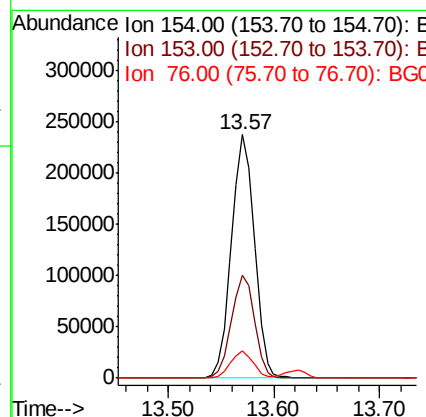
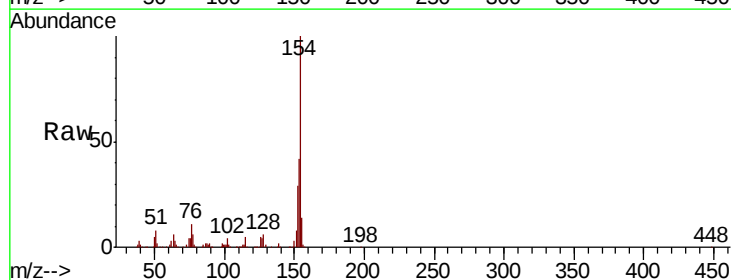
Instrument :
BNA_G
ClientSampleId :
SOIL-01

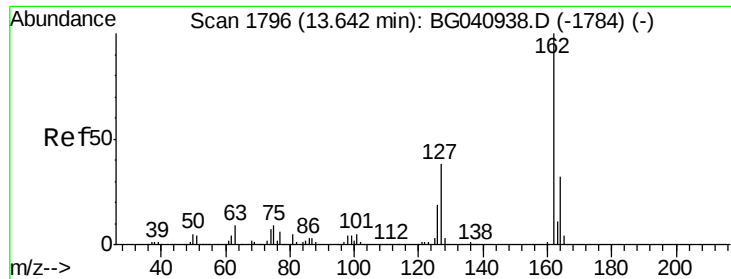
Tgt Ion:172 Resp: 681435
Ion Ratio Lower Upper
172 100
171 37.7 31.1 46.7
170 25.4 20.5 30.7



#46
1,1'-Biphenyl
Concen: 42.214 ng
RT: 13.57 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:154 Resp: 357669
Ion Ratio Lower Upper
154 100
153 42.1 23.3 63.3
76 11.0 0.0 31.1

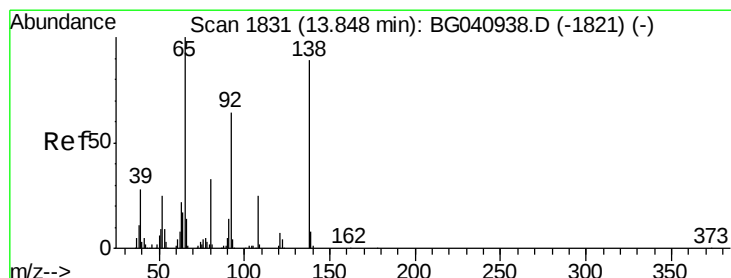
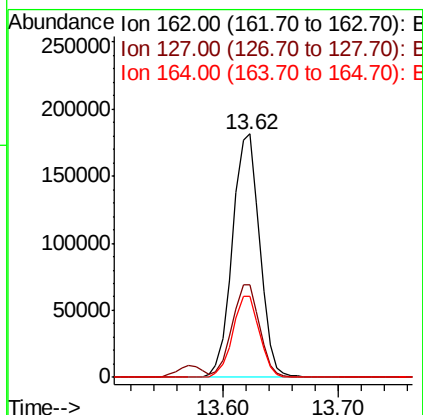
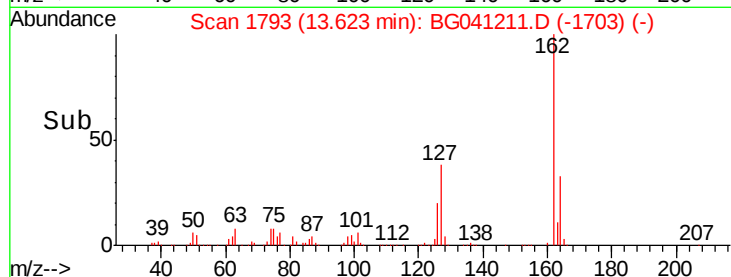
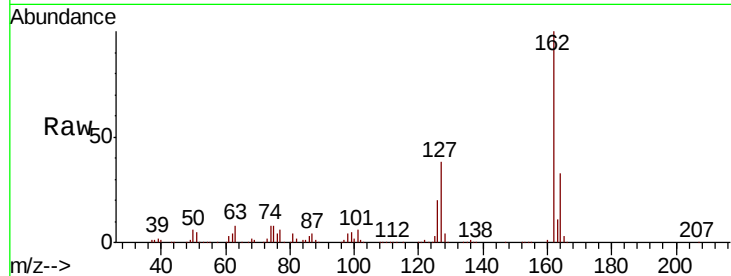




#47
 2-Chloronaphthalene
 Concen: 40.799 ng
 RT: 13.62 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

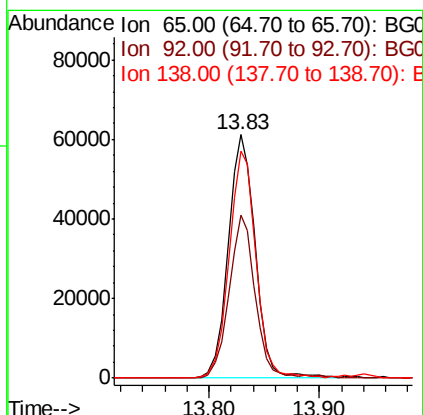
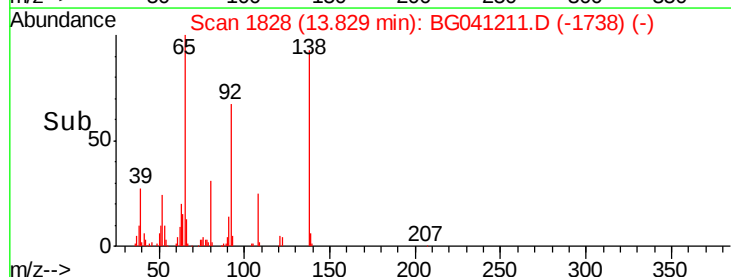
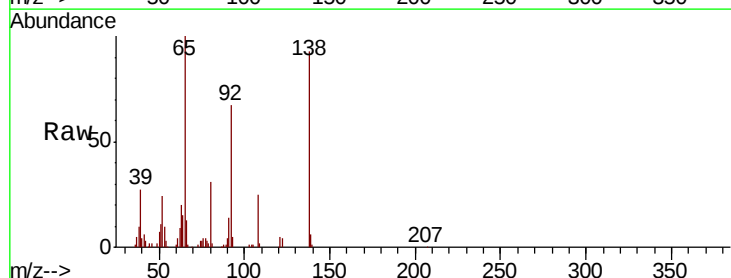
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

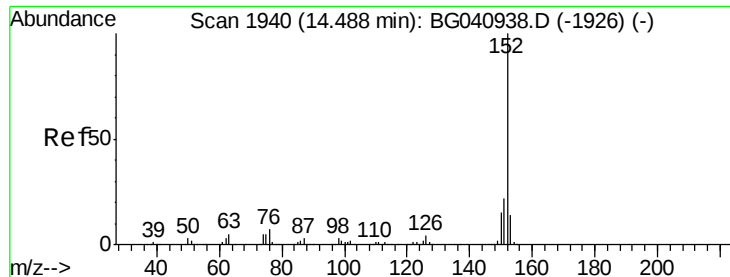
Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.5	45.7
164	33.1	25.8	38.6



#48
 2-Nitroaniline
 Concen: 40.103 ng
 RT: 13.83 min Scan# 1828
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.1	51.0	76.6
138	93.2	71.2	106.8





#49

Acenaphthylene

Concen: 42.831 ng

RT: 14.46 min Scan# 1936

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

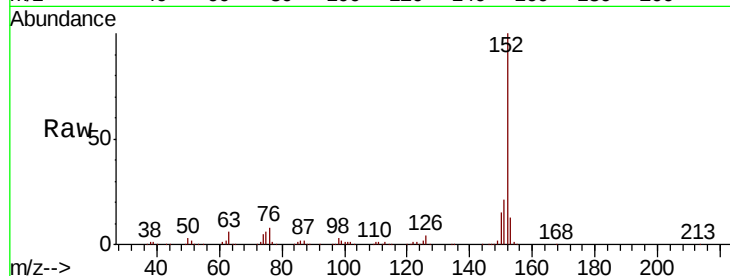
Tgt Ion:152 Resp: 468884

Ion Ratio Lower Upper

152 100

151 21.5 17.4 26.0

153 13.4 11.0 16.4

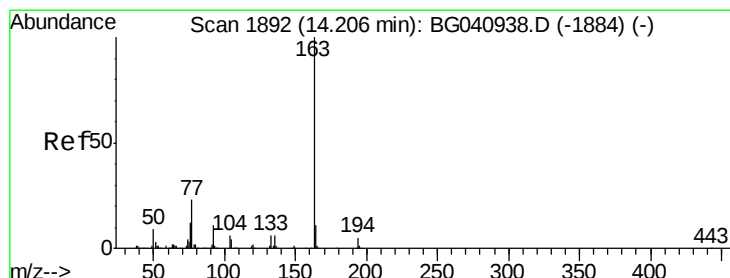
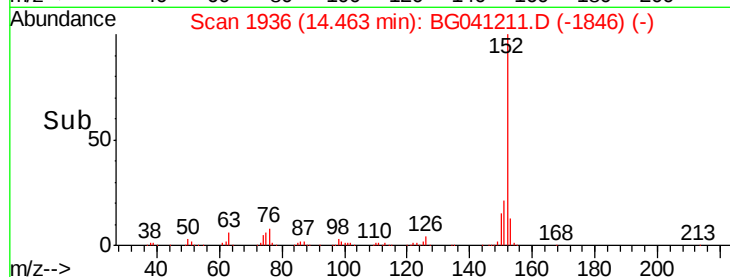
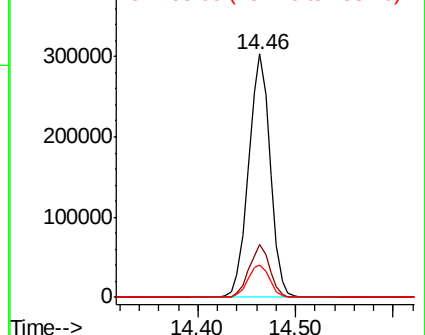


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.064 ng

RT: 14.19 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

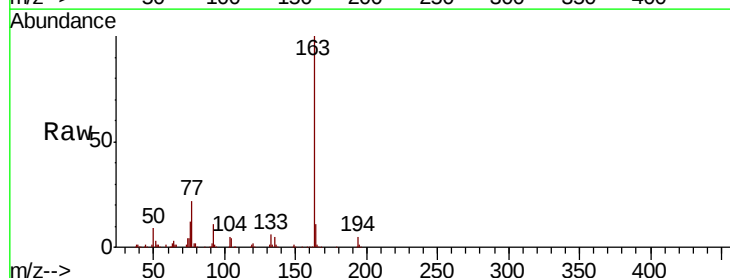
Tgt Ion:163 Resp: 388191

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.8

164 10.6 8.7 13.1

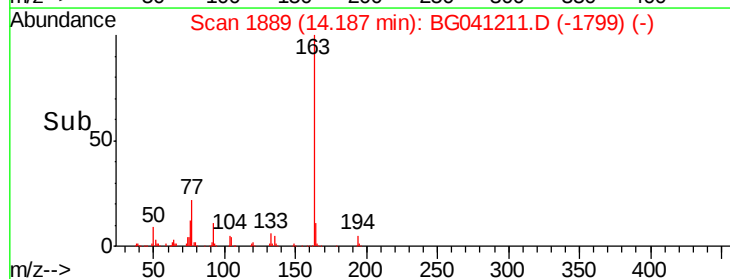
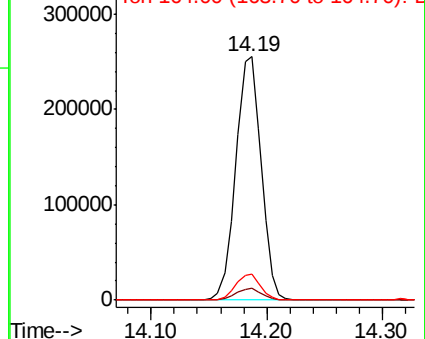


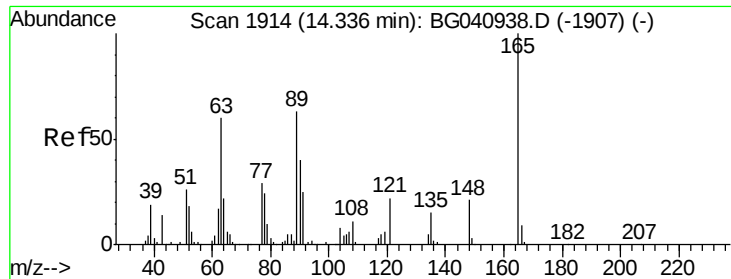
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

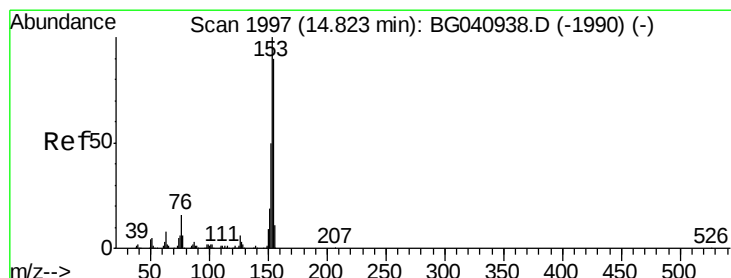
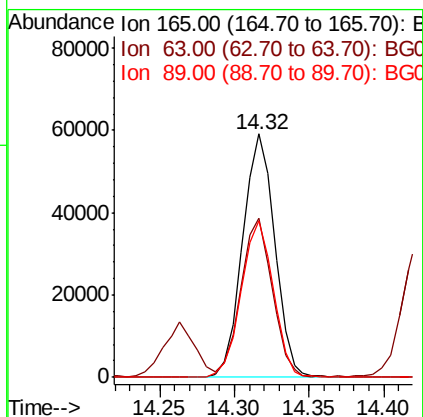
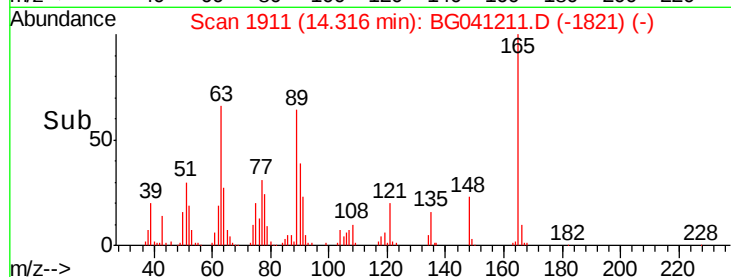
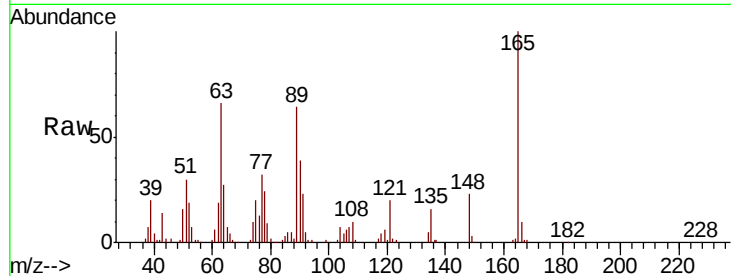




#51
 2,6-Dinitrotoluene
 Concen: 42.165 ng
 RT: 14.32 min Scan# 1911
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

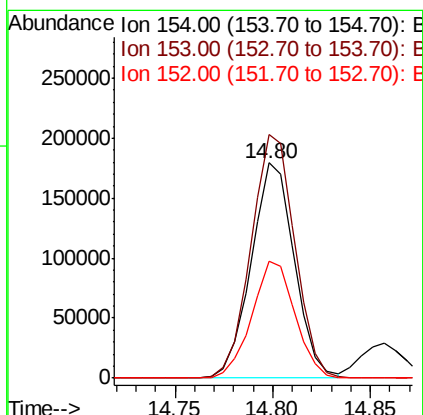
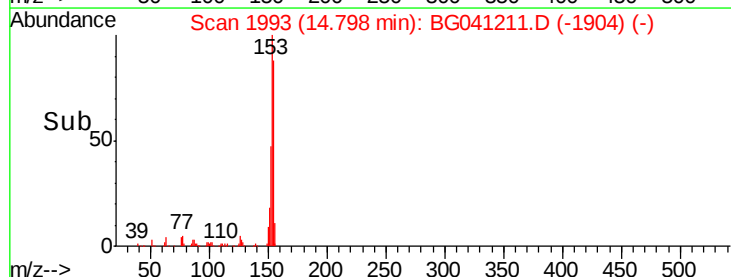
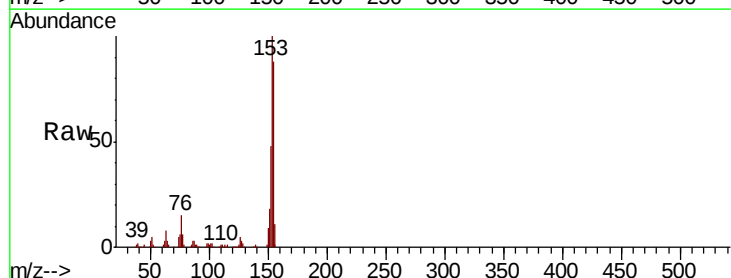
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

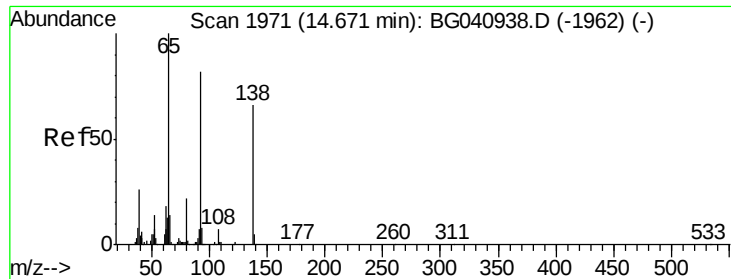
Tgt Ion:165 Resp: 88086
 Ion Ratio Lower Upper
 165 100
 63 65.6 53.6 80.4
 89 64.5 50.4 75.6



#52
 Acenaphthene
 Concen: 41.414 ng
 RT: 14.80 min Scan# 1993
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion:154 Resp: 274648
 Ion Ratio Lower Upper
 154 100
 153 113.3 88.6 133.0
 152 54.2 44.2 66.4





#53

3-Nitroaniline

Concen: 20.545 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

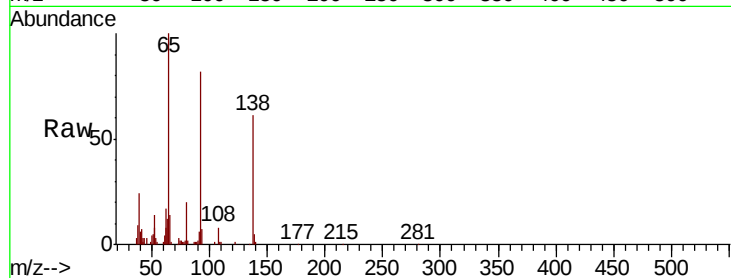
Tgt Ion:138 Resp: 42918

Ion Ratio Lower Upper

138 100

108 13.0 8.5 12.7#

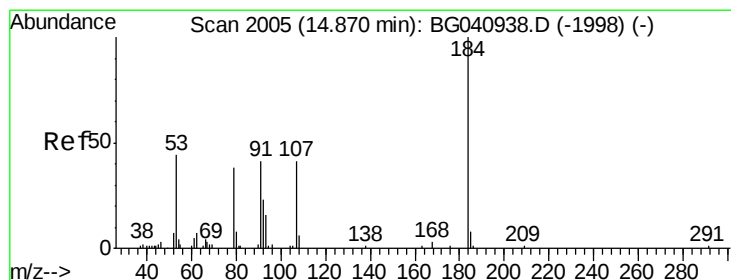
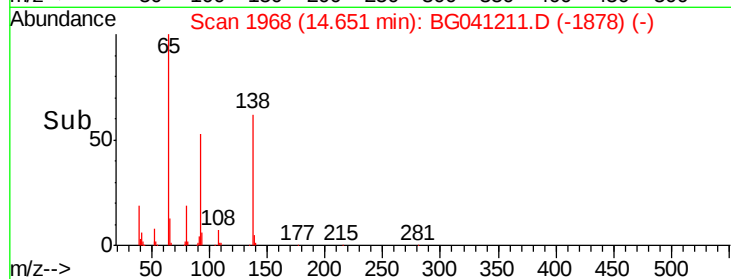
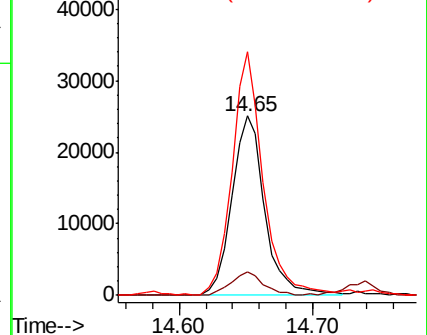
92 135.7 99.0 148.6



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



#54

2,4-Dinitrophenol

Concen: 75.937 ng

RT: 14.86 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

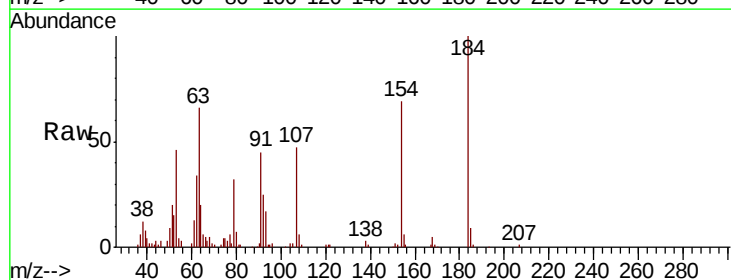
Tgt Ion:184 Resp: 80784

Ion Ratio Lower Upper

184 100

63 66.1 49.8 74.6

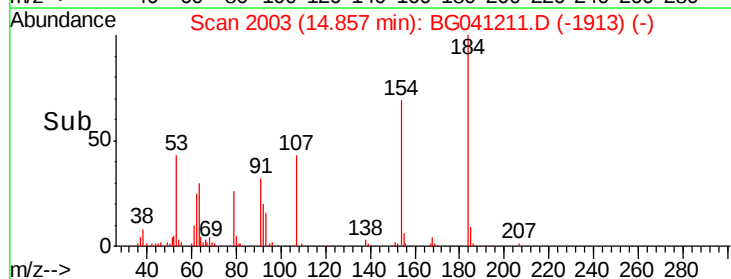
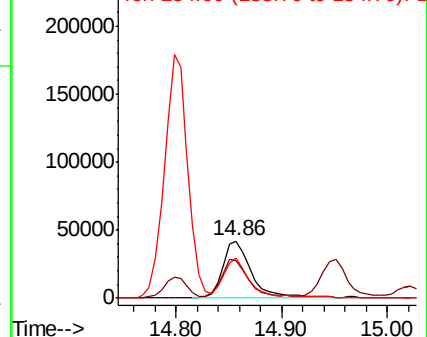
154 69.2 52.2 78.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

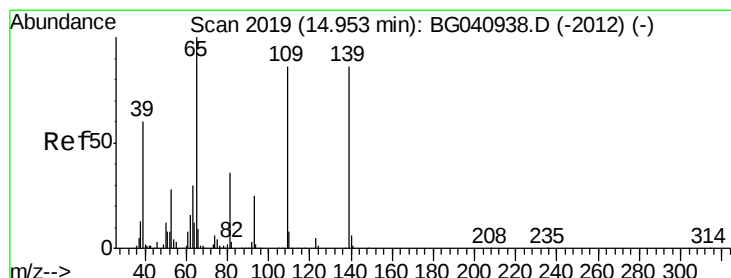
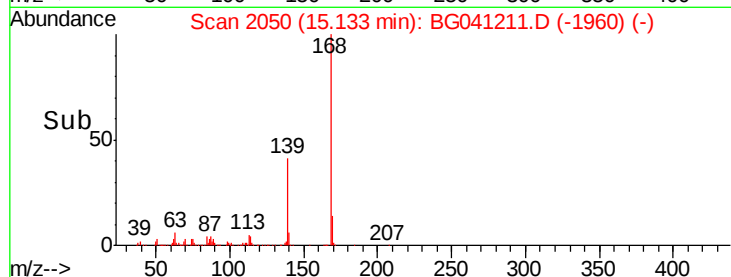
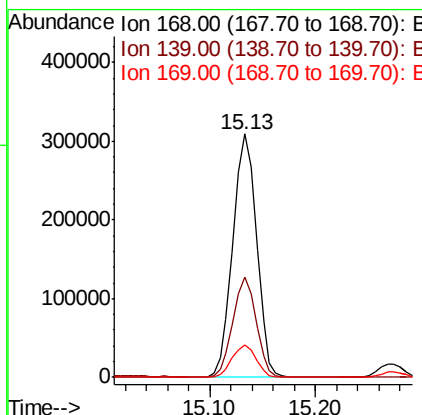
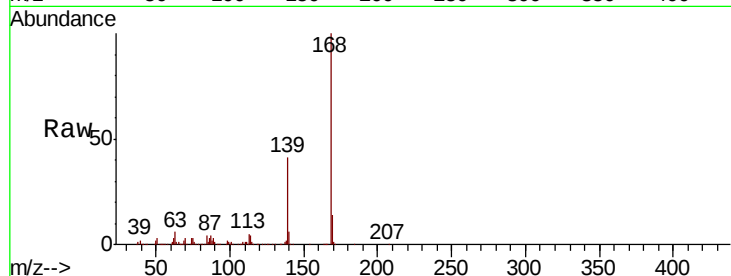




#55
Dibenzenofuran
Concen: 43.047 ng
RT: 15.13 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

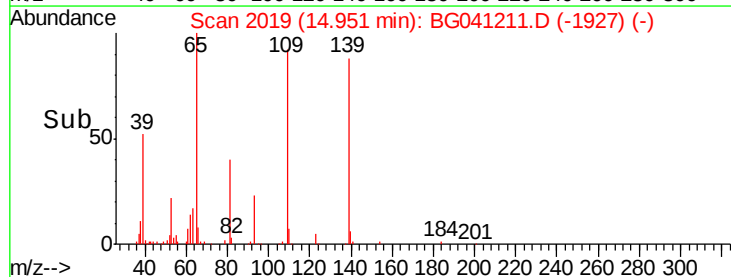
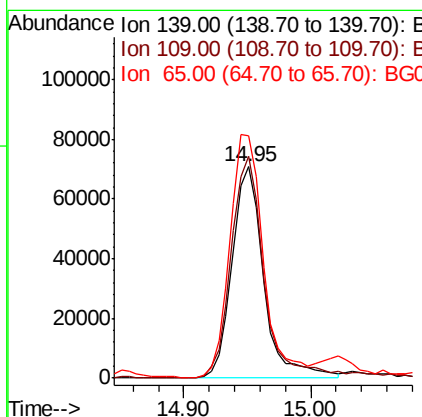
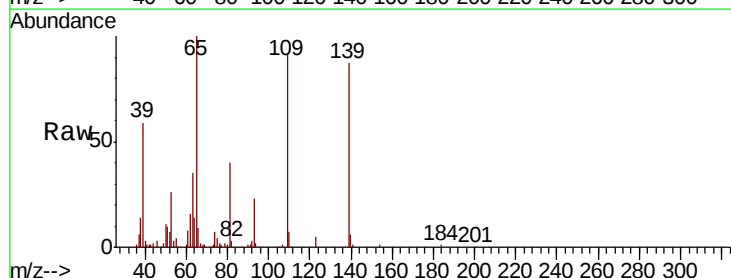
Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.3	32.8	49.2
169	13.6	11.3	16.9



#56
4-Nitrophenol
Concen: 85.525 ng
RT: 14.95 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	104.9	79.6	119.6
65	114.8	96.9	136.9

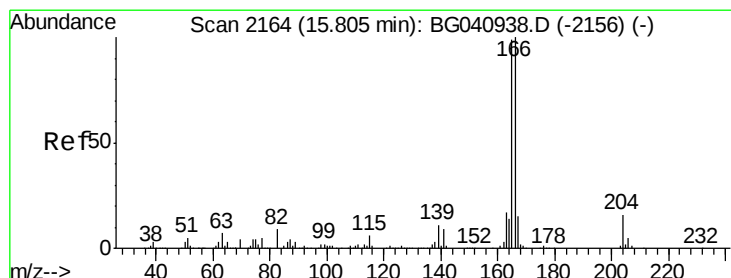
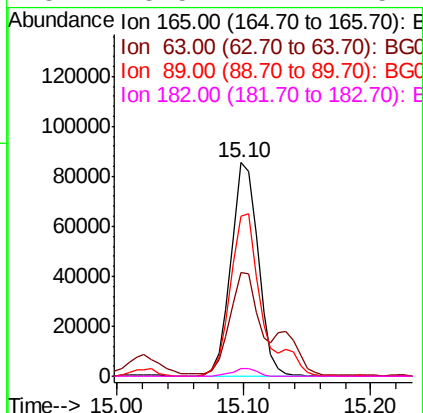
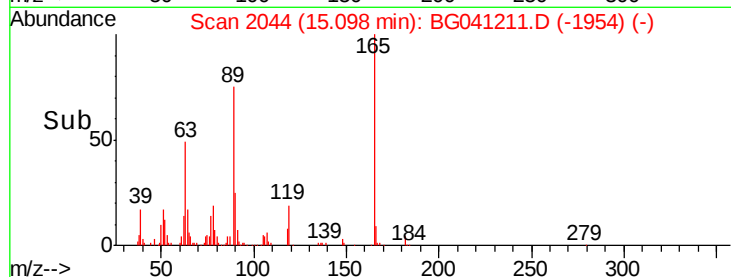
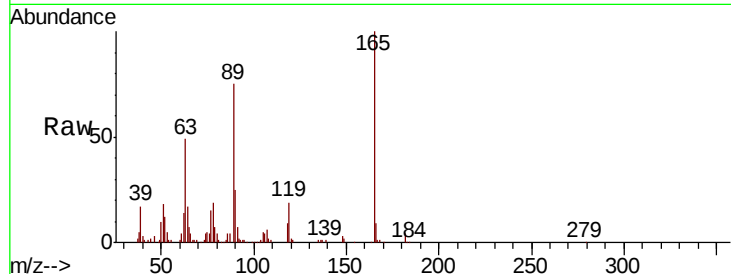




#57
2,4-Dinitrotoluene
Concen: 42.813 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

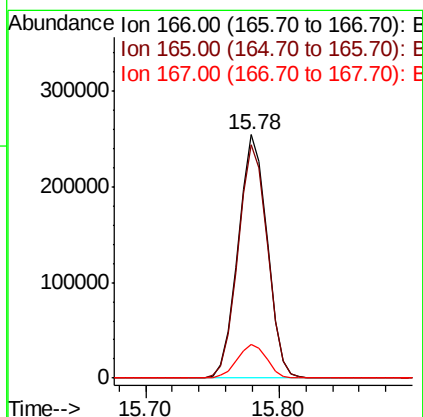
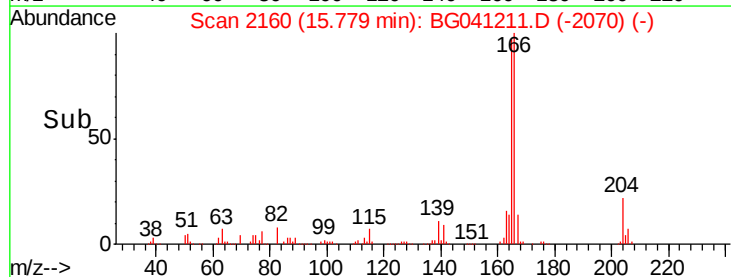
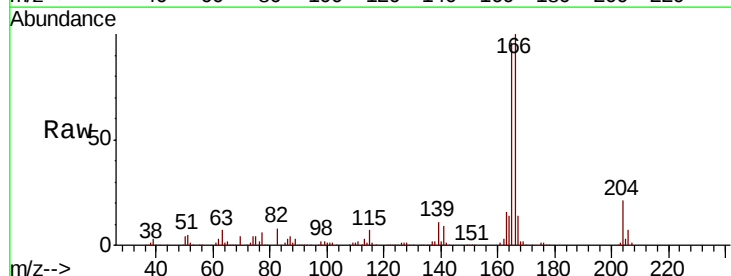
Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion:165 Resp: 126341
Ion Ratio Lower Upper
165 100
63 48.5 37.3 55.9
89 74.9 61.0 91.6
182 3.5 2.2 3.2#



#58
Fluorene
Concen: 43.088 ng
RT: 15.78 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:166 Resp: 382915
Ion Ratio Lower Upper
166 100
165 95.8 79.2 118.8
167 13.8 11.8 17.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 44.507 ng

RT: 15.35 min Scan# 2087

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

Tgt Ion:232 Resp: 137670

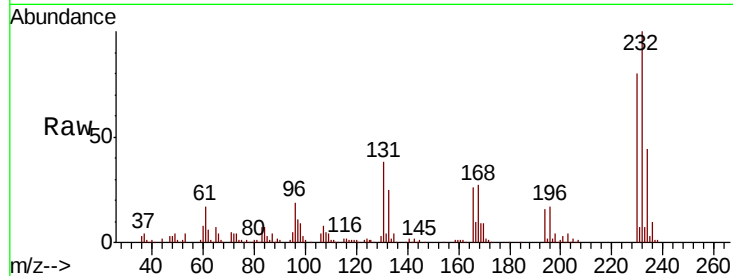
Ion Ratio Lower Upper

232 100

131 37.2 30.3 45.5

130 2.6 1.8 2.8

166 25.7 21.3 31.9

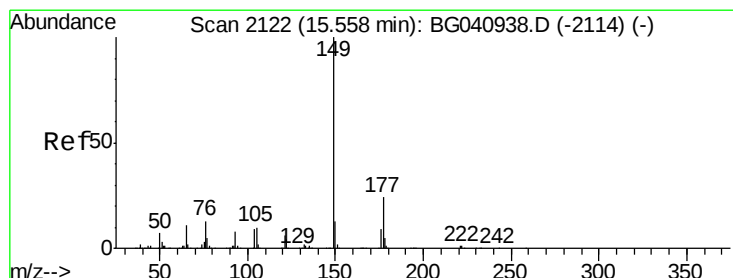
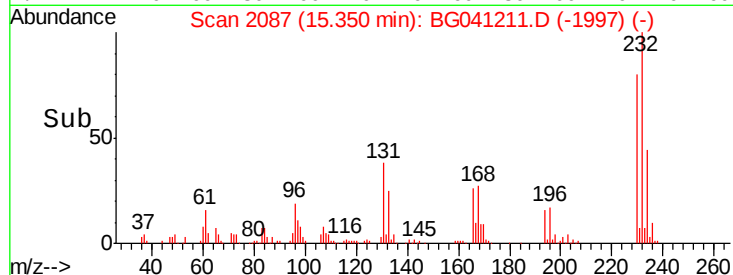
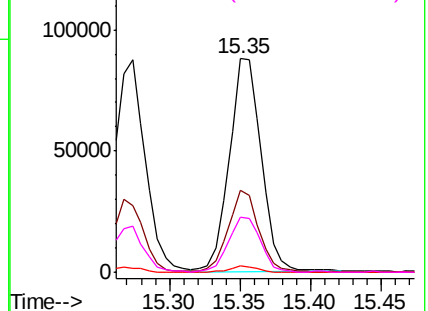


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 40.390 ng

RT: 15.53 min Scan# 2118

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

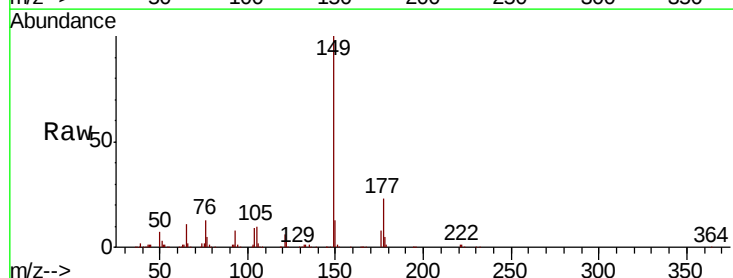
Tgt Ion:149 Resp: 399380

Ion Ratio Lower Upper

149 100

177 23.5 19.4 29.0

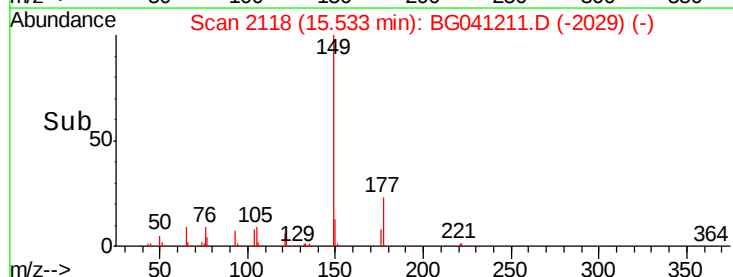
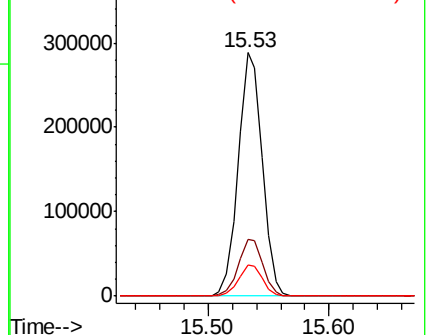
150 13.0 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

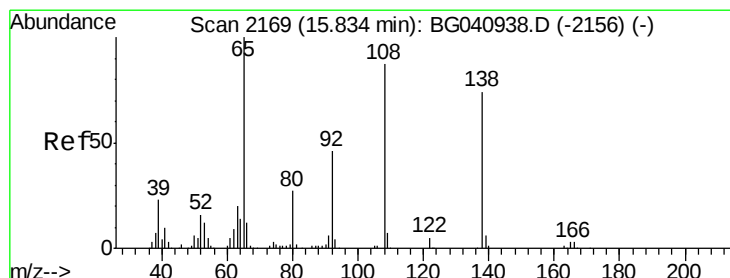
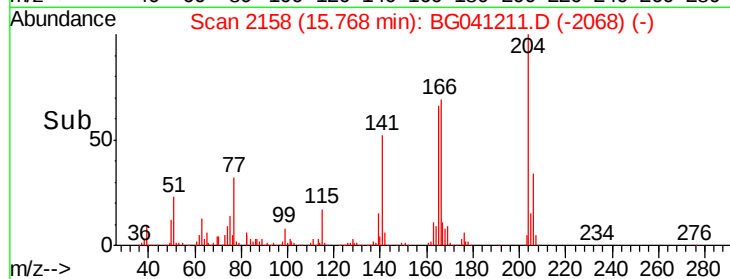
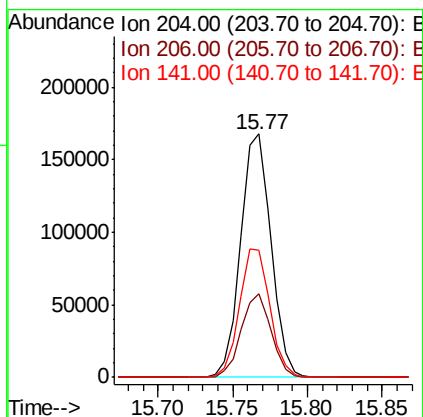
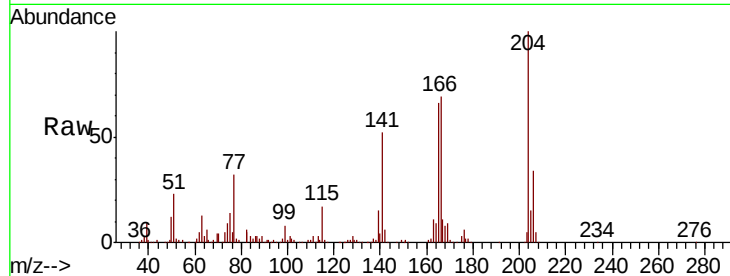




#61
 4-Chlorophenyl-phenylether
 Concen: 41.047 ng
 RT: 15.77 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

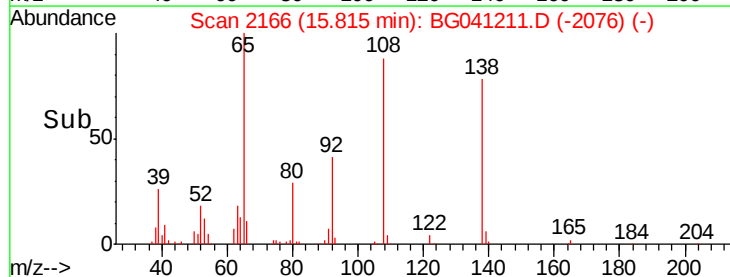
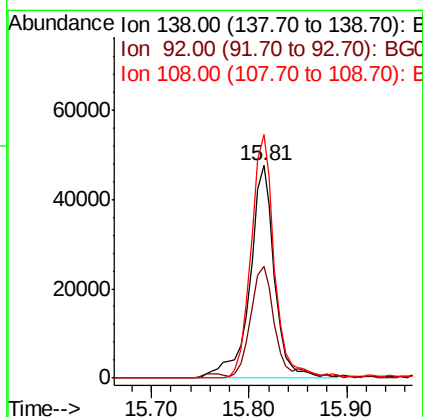
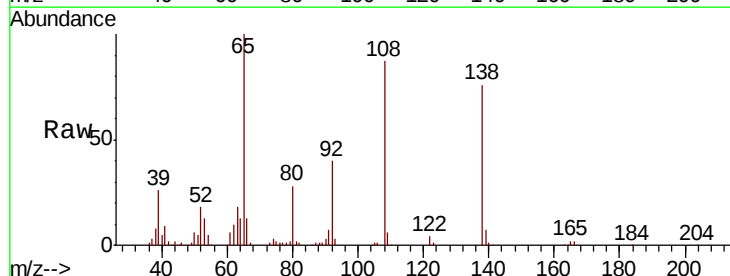
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

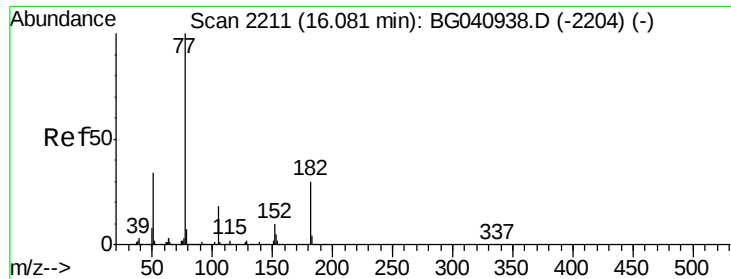
Tgt Ion: 204 Resp: 237100
 Ion Ratio Lower Upper
 204 100
 206 34.3 27.6 41.4
 141 52.0 45.1 67.7



#62
 4-Nitroaniline
 Concen: 38.280 ng
 RT: 15.81 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion: 138 Resp: 84659
 Ion Ratio Lower Upper
 138 100
 92 52.7 42.4 82.4
 108 114.6 96.9 136.9

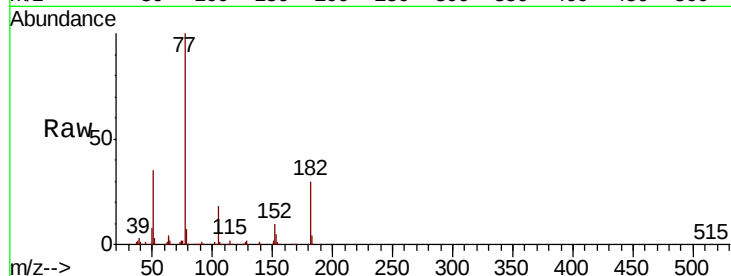




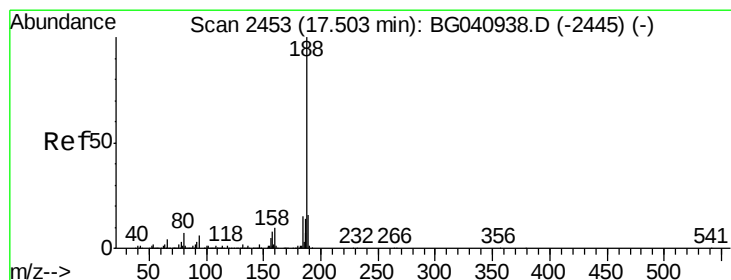
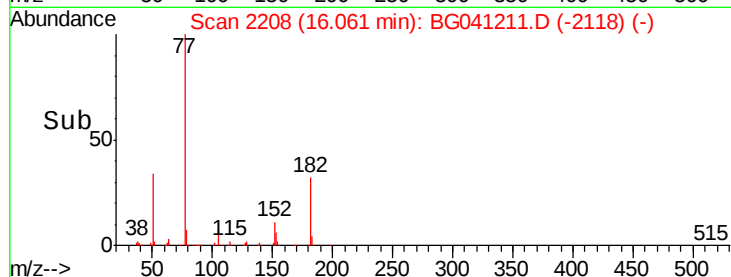
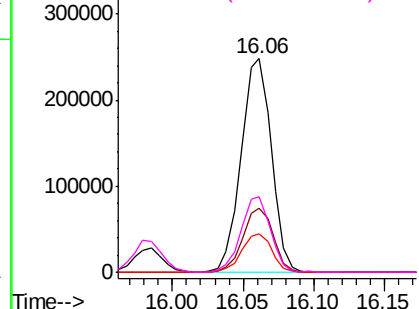
#63
Azobenzene
Concen: 41.343 ng
RT: 16.06 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampleId :
SOIL-01

Tgt Ion: 77 Resp: 371560
Ion Ratio Lower Upper
77 100
182 30.1 9.6 49.6
105 17.9 0.0 37.5
51 35.2 13.7 53.7

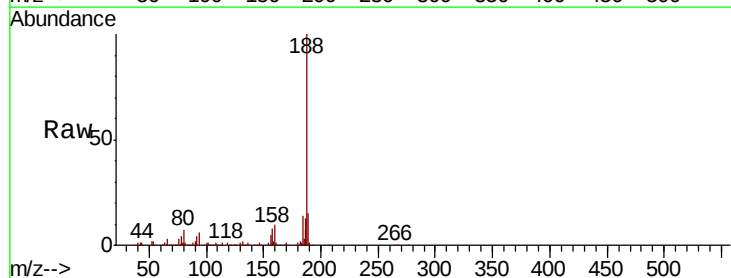


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

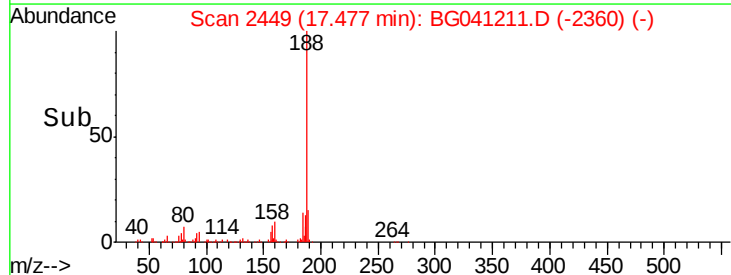
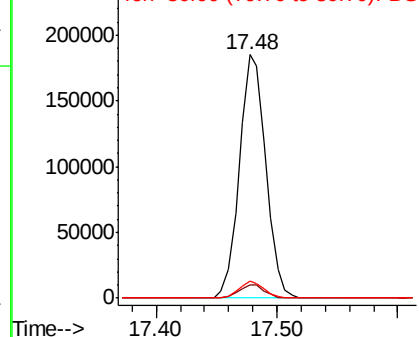


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2449
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion: 188 Resp: 282321
Ion Ratio Lower Upper
188 100
94 5.6 4.7 7.1
80 6.9 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): BGC
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: 46.098 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

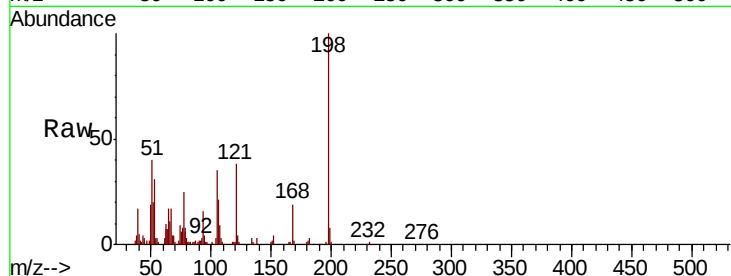
Tgt Ion:198 Resp: 69112

Ion Ratio Lower Upper

198 100

51 40.0 21.6 61.6

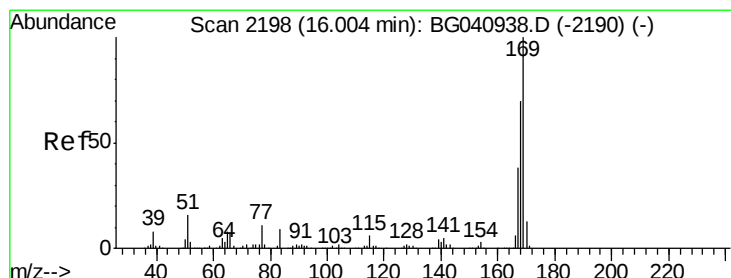
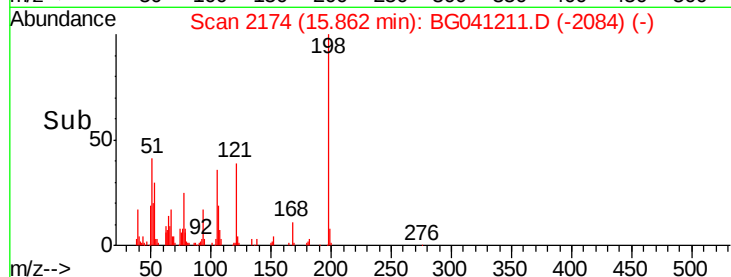
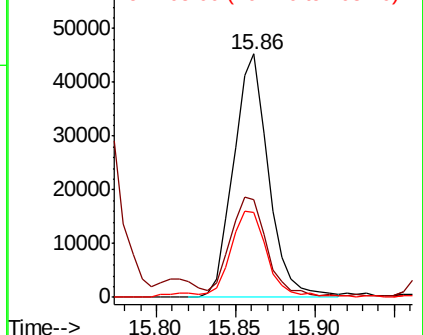
105 35.0 17.5 57.5



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



#66

n-Nitrosodiphenylamine

Concen: 43.230 ng

RT: 15.98 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

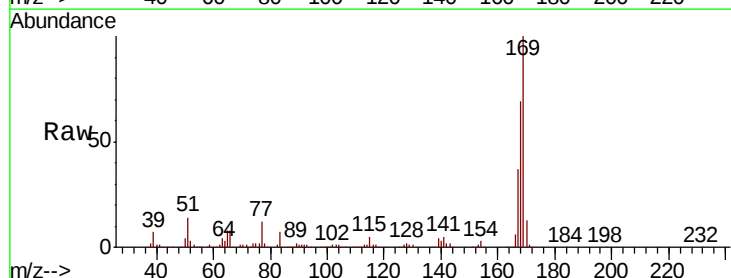
Tgt Ion:169 Resp: 343088

Ion Ratio Lower Upper

169 100

168 68.7 55.7 83.5

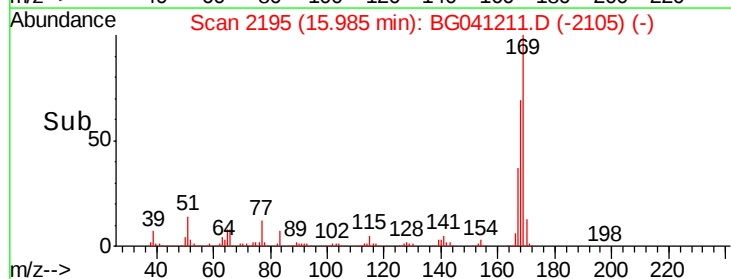
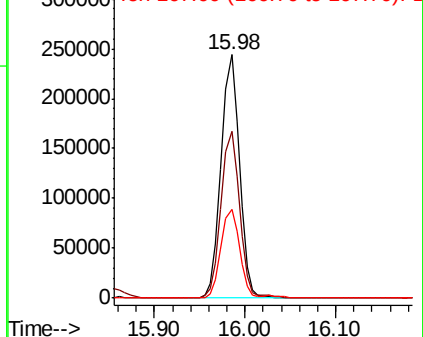
167 36.5 30.2 45.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

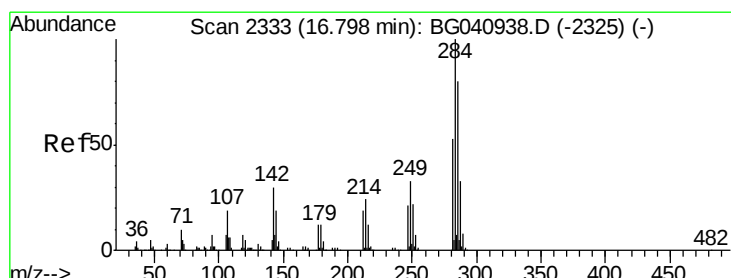
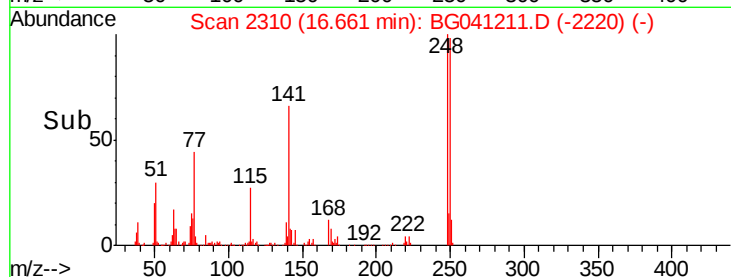
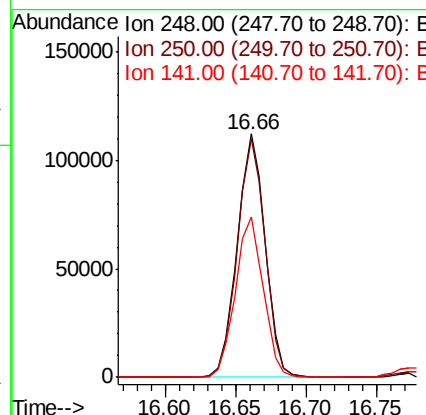
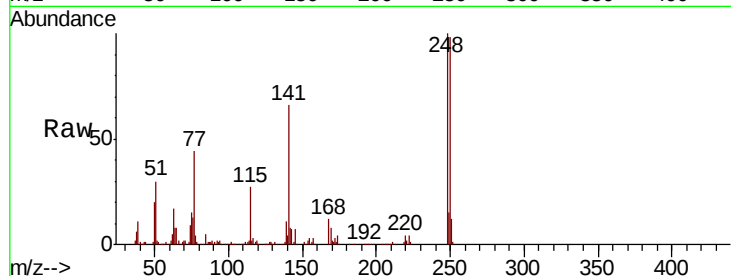




#67
4-Bromophenyl-phenylether
Concen: 40.596 ng
RT: 16.66 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

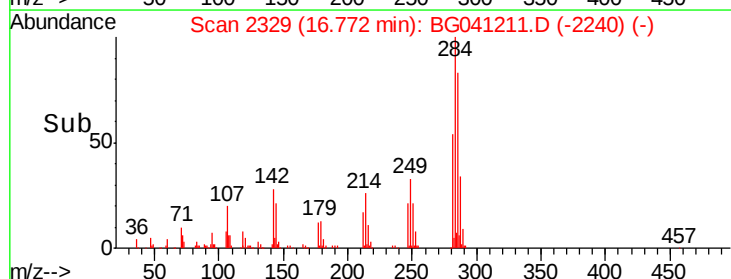
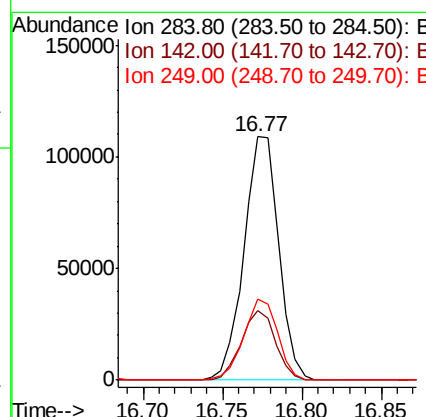
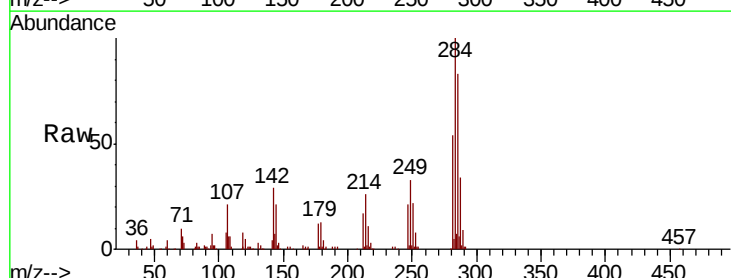
Instrument :
BNA_G
ClientSampleId :
SOIL-01

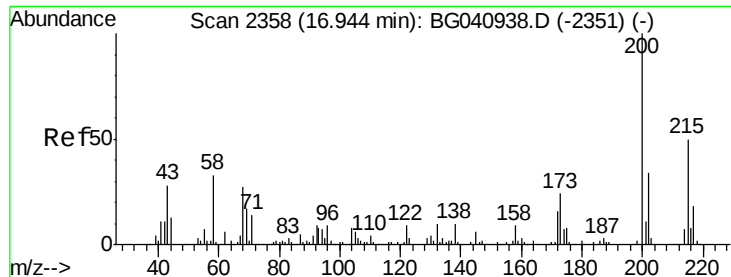
Tgt Ion:248 Resp: 154672
Ion Ratio Lower Upper
248 100
250 97.7 75.0 112.4
141 65.9 52.4 78.6



#68
Hexachlorobenzene
Concen: 40.825 ng
RT: 16.77 min Scan# 2329
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:284 Resp: 165630
Ion Ratio Lower Upper
284 100
142 28.6 23.9 35.9
249 33.1 26.8 40.2

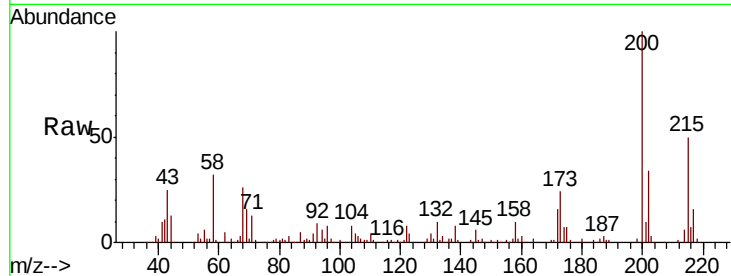




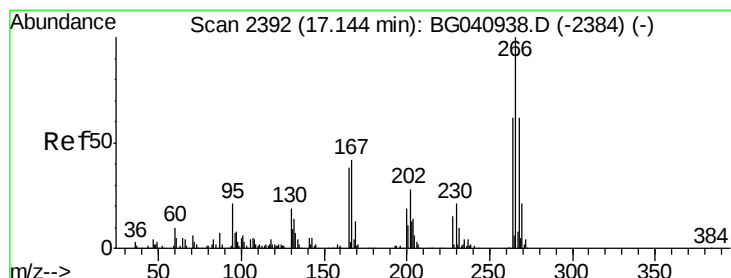
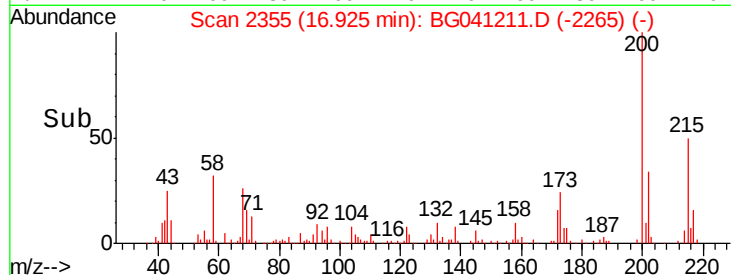
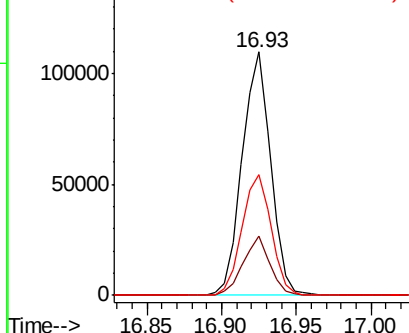
#69
 Atrazine
 Concen: 47.382 ng
 RT: 16.93 min Scan# 2355
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.3	3.6	43.6
215	49.8	29.6	69.6

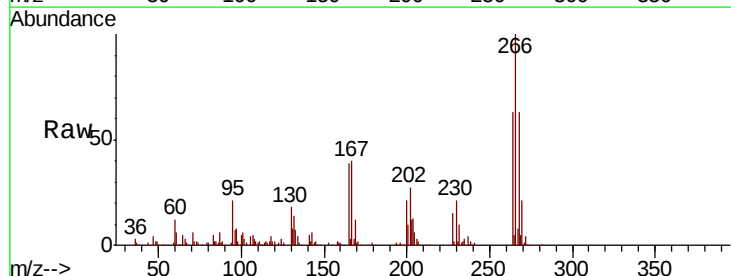


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

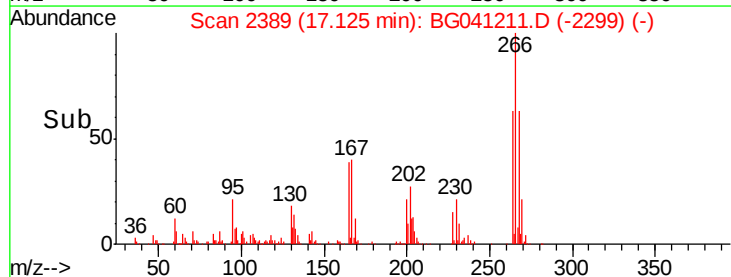
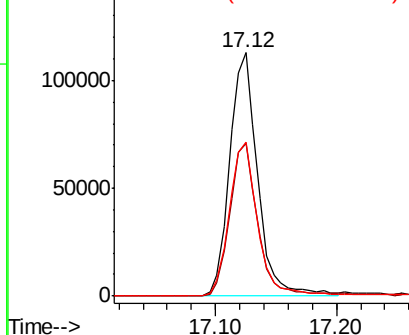


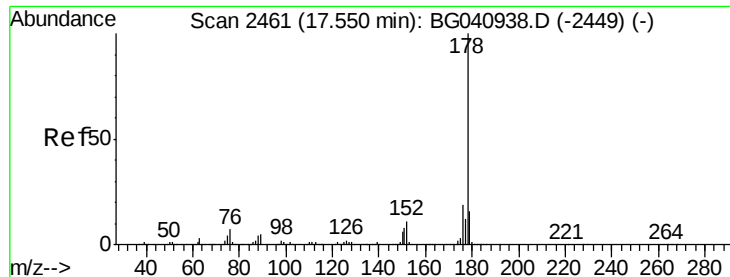
#70
 Pentachlorophenol
 Concen: 83.765 ng
 RT: 17.12 min Scan# 2389
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	53.1	79.7
264	63.2	49.9	74.9



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

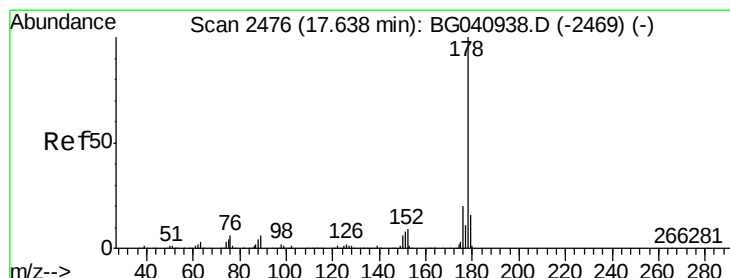
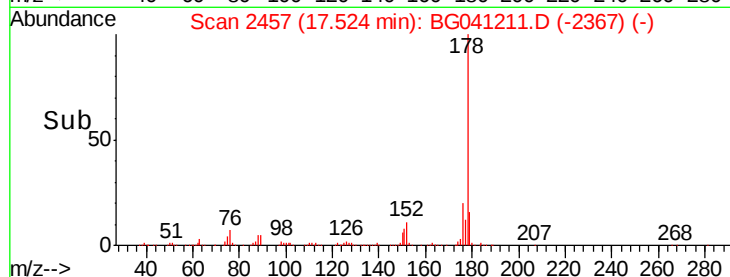
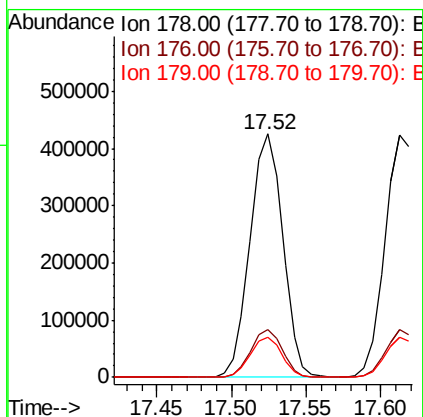
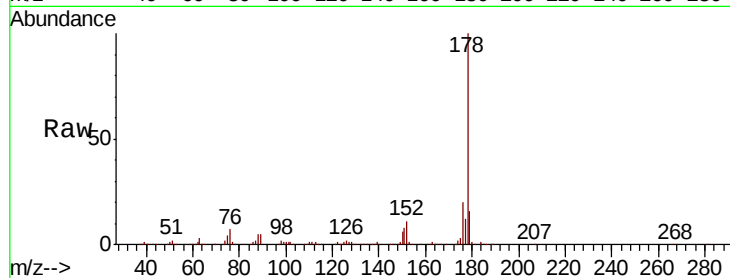




#71
Phenanthrene
Concen: 43.978 ng
RT: 17.52 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

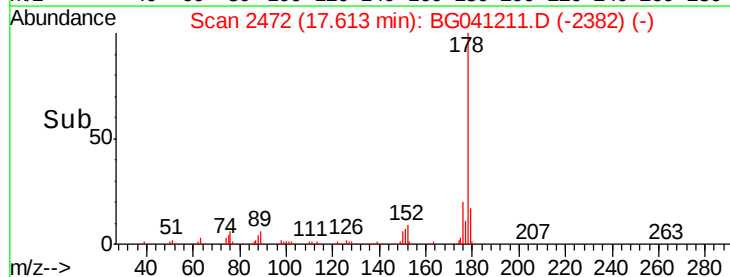
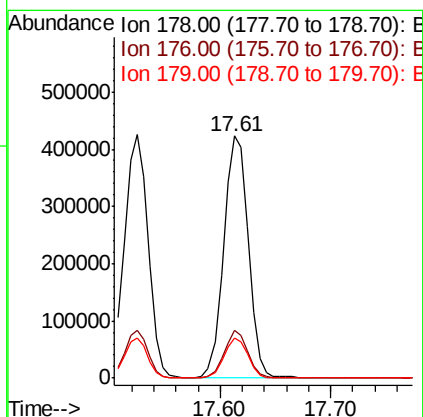
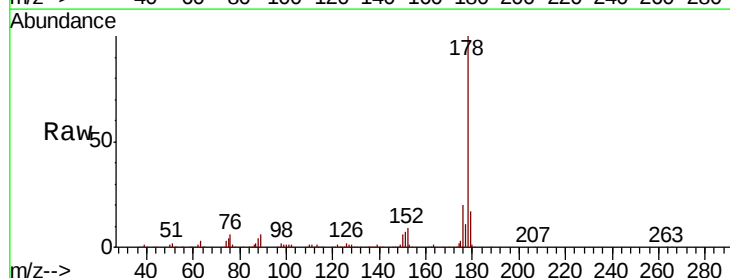
Instrument :
BNA_G
ClientSampleId :
SOIL-01

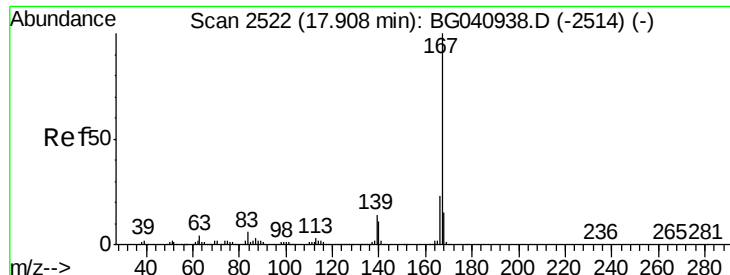
Tgt Ion:178 Resp: 646729
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.3 12.7 19.1



#72
Anthracene
Concen: 45.383 ng
RT: 17.61 min Scan# 2472
Delta R.T. 0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion:178 Resp: 658230
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.5 13.0 19.4

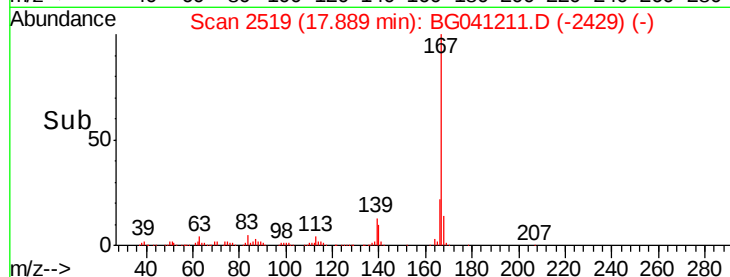
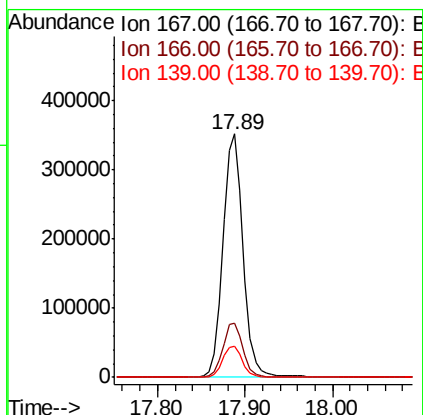
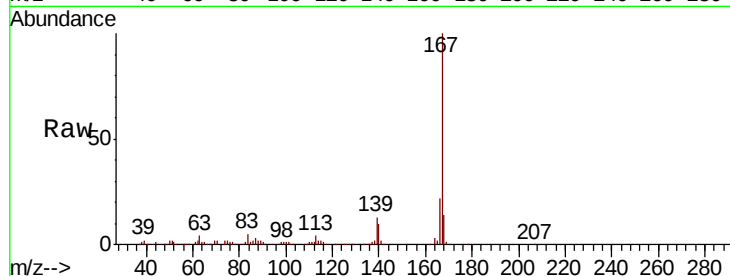




#73
 Carbazole
 Concen: 44.926 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

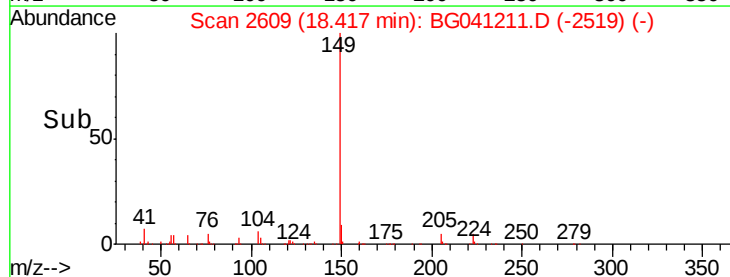
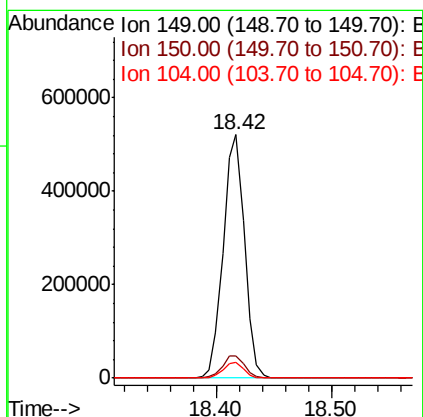
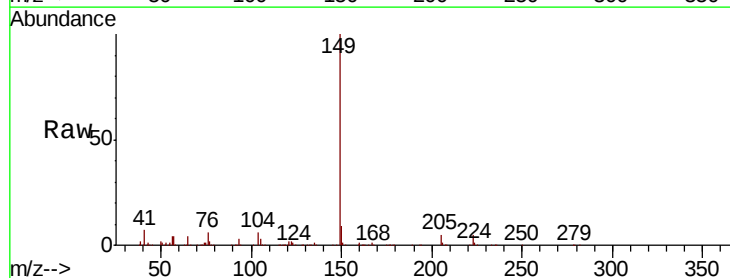
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

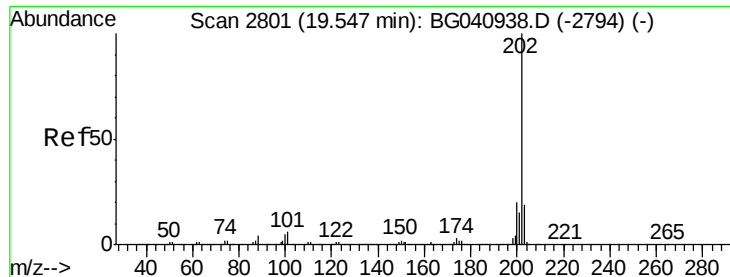
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.4
139	13.0	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 42.976 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	6.4	5.0	7.4





#75

Fluoranthene

Concen: 46.140 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

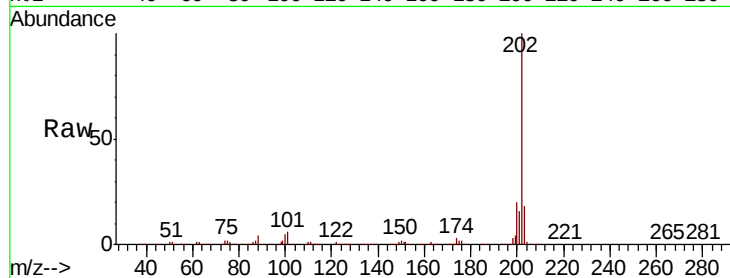
Tgt Ion:202 Resp: 838087

Ion Ratio Lower Upper

202 100

101 5.9 0.0 26.2

203 18.5 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

600000

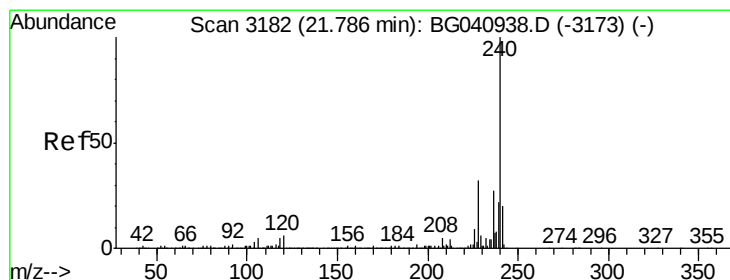
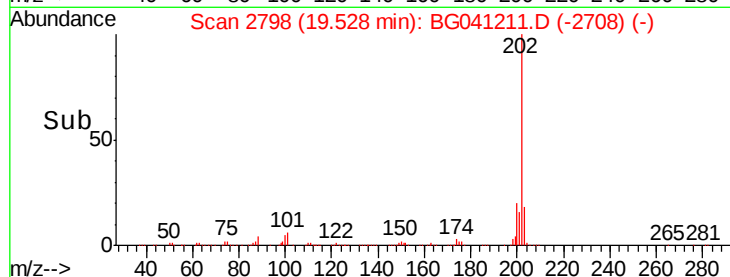
400000

200000

0

19.53

Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

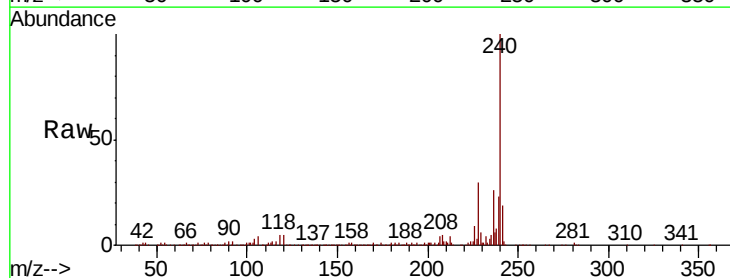
Tgt Ion:240 Resp: 283188

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

236 26.4 21.3 31.9



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

200000

150000

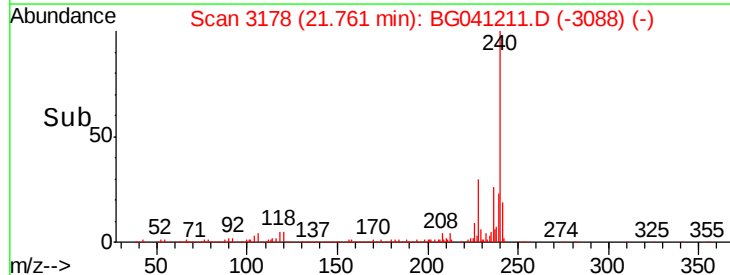
100000

50000

0

21.76

Time-->





#77

Benzidine

Concen: 21.472 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

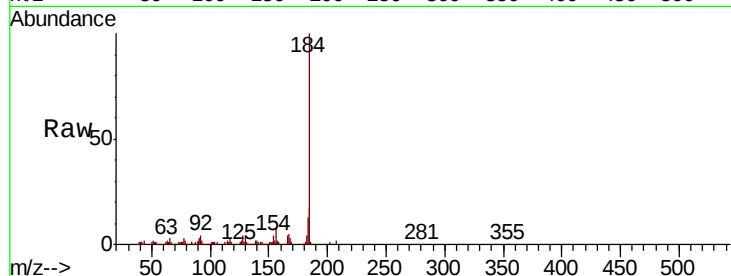
Tgt Ion:184 Resp: 145056

Ion Ratio Lower Upper

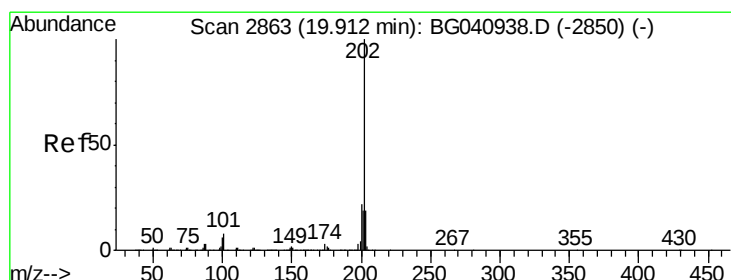
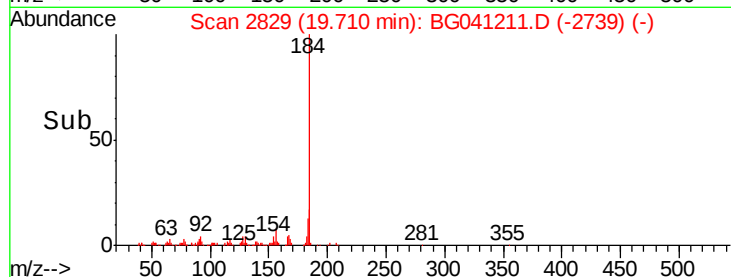
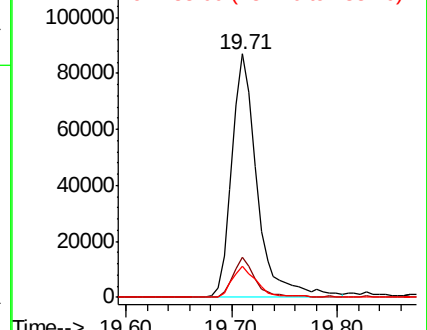
184 100

185 16.6 13.3 19.9

183 12.8 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.295 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

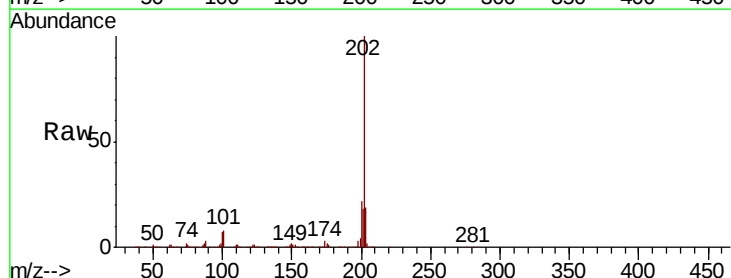
Tgt Ion:202 Resp: 833837

Ion Ratio Lower Upper

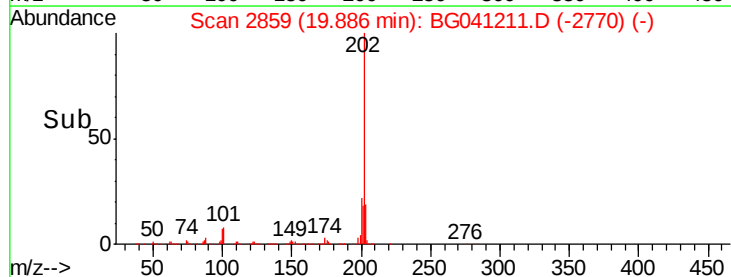
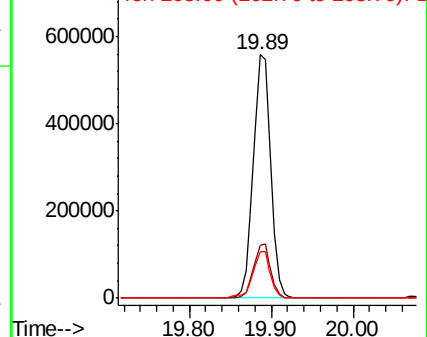
202 100

200 21.8 17.5 26.3

203 18.9 15.6 23.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.420 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

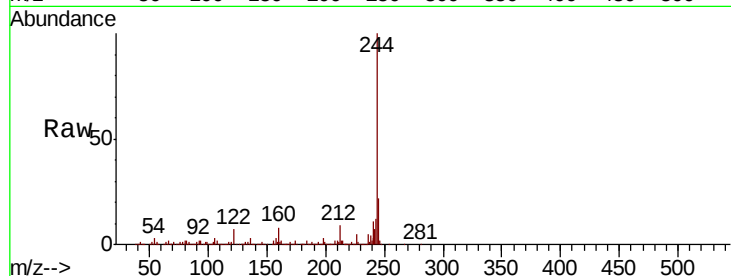
Tgt Ion:244 Resp: 1219831

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

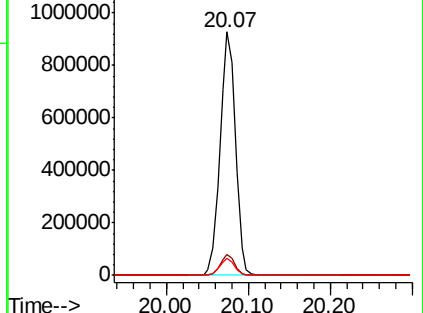
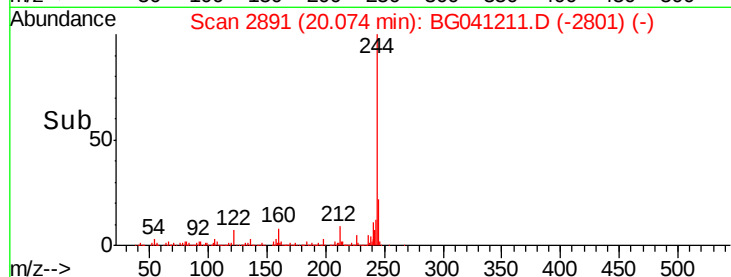
122 7.0 5.4 8.0



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



#80

Butylbenzylphthalate

Concen: 43.081 ng

RT: 20.75 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

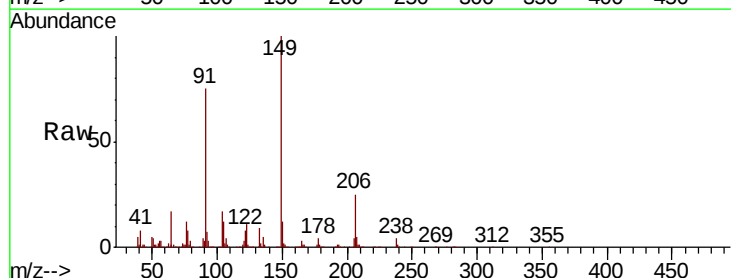
Tgt Ion:149 Resp: 308633

Ion Ratio Lower Upper

149 100

91 74.9 56.5 84.7

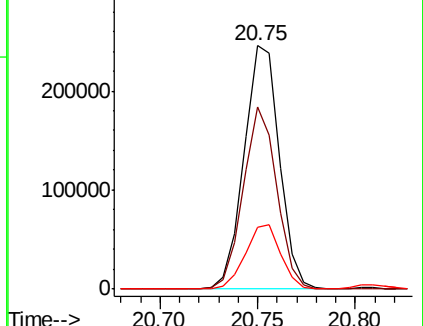
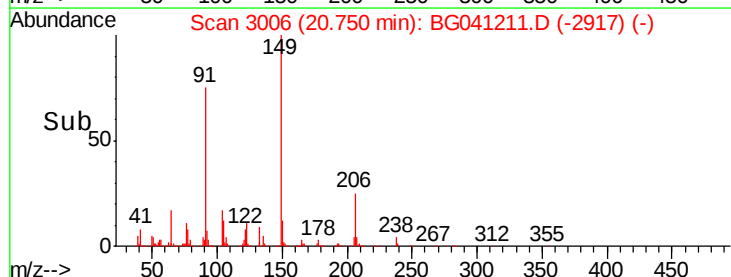
206 25.4 20.3 30.5

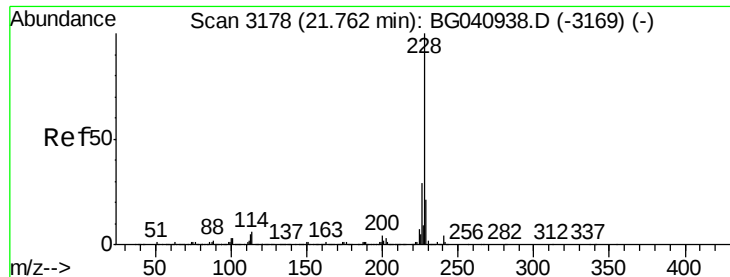


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.786 ng

RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

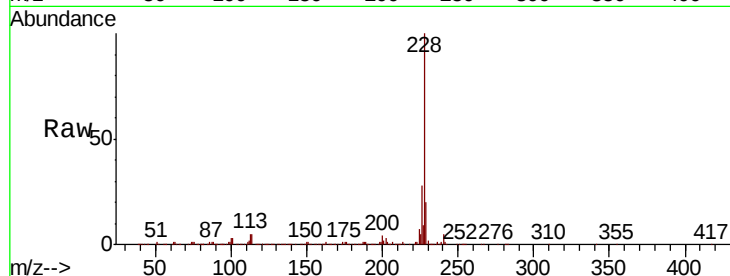
Tgt Ion:228 Resp: 806544

Ion Ratio Lower Upper

228 100

226 28.0 23.5 35.3

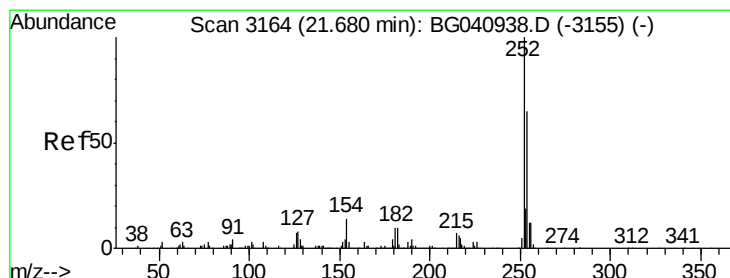
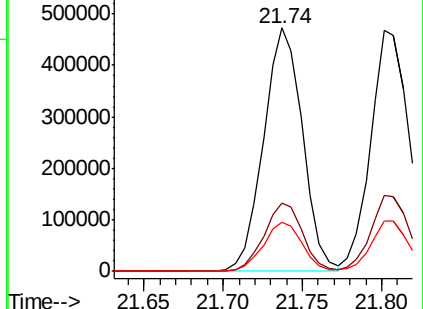
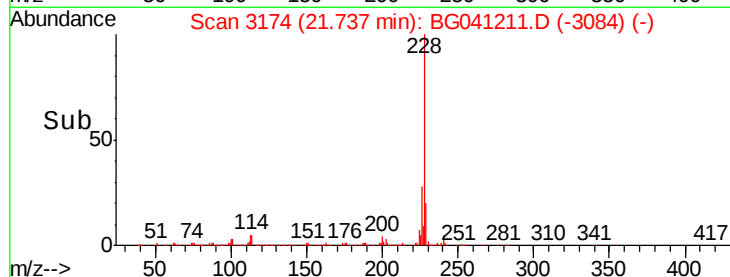
229 19.9 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 20.629 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

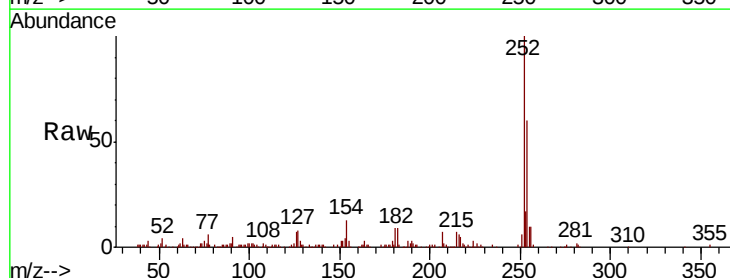
Tgt Ion:252 Resp: 136776

Ion Ratio Lower Upper

252 100

254 59.8 52.1 78.1

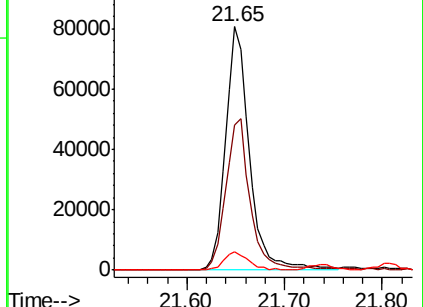
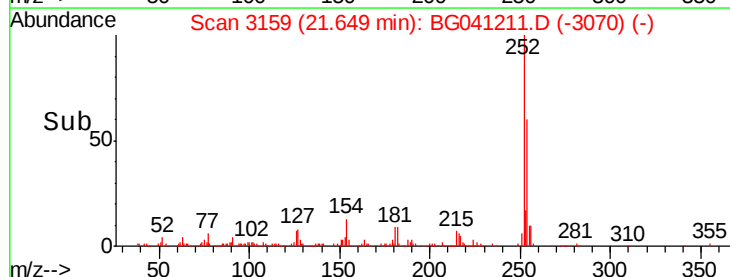
126 7.3 5.5 8.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.503 ng

RT: 21.80 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

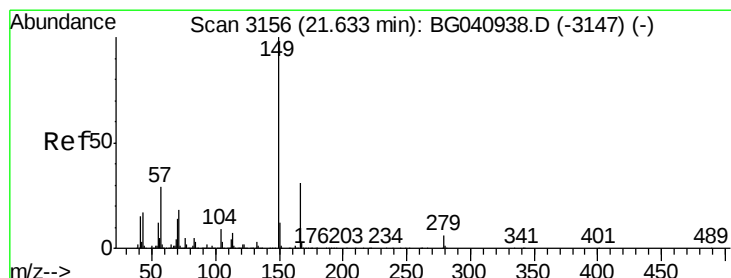
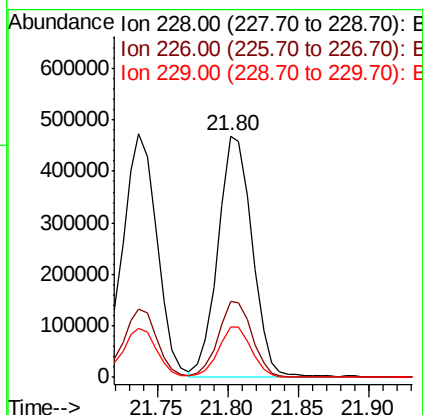
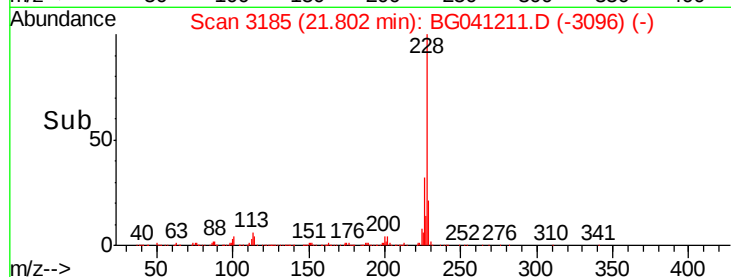
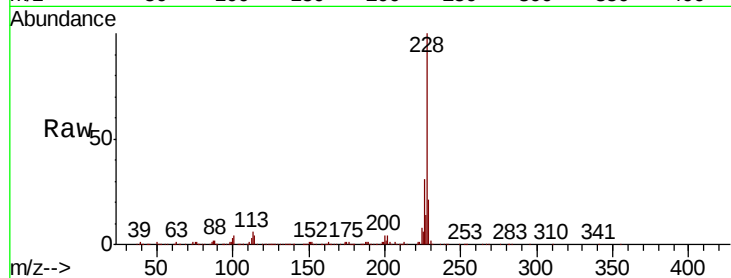
Tgt Ion:228 Resp: 784762

Ion Ratio Lower Upper

228 100

226 31.5 24.6 37.0

229 21.1 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.021 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

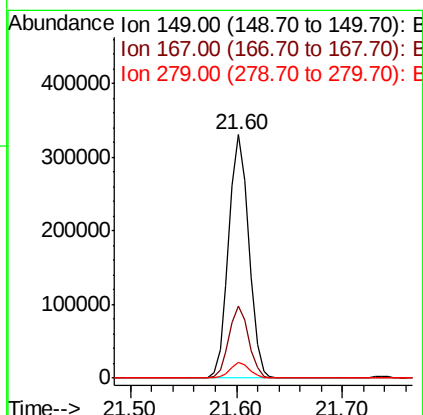
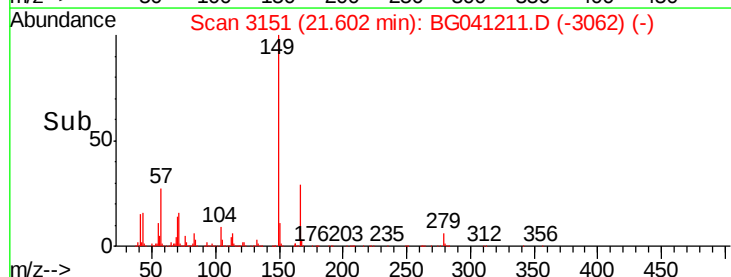
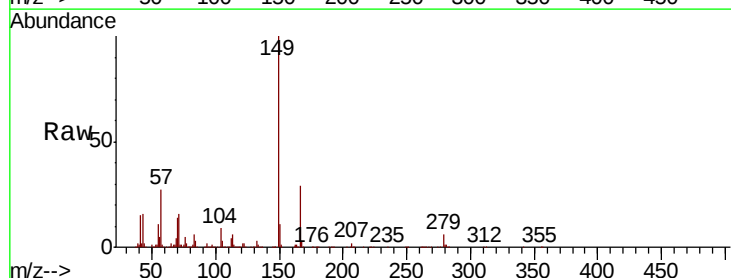
Tgt Ion:149 Resp: 433867

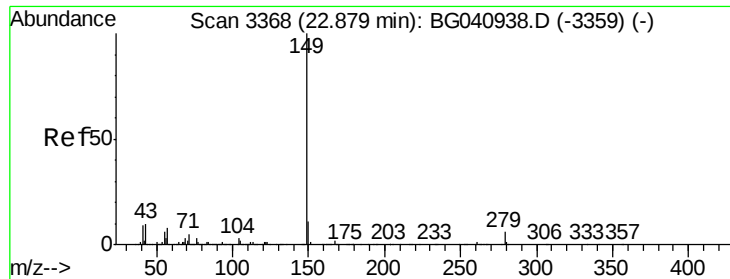
Ion Ratio Lower Upper

149 100

167 29.4 24.6 37.0

279 6.3 5.0 7.6

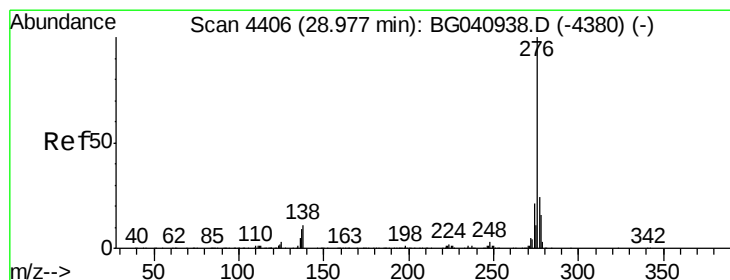
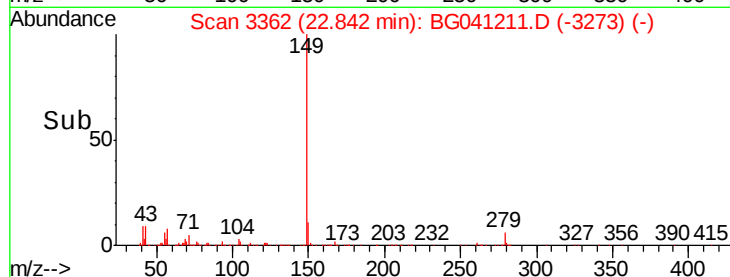
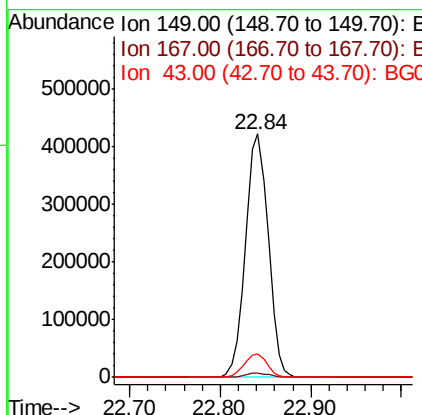
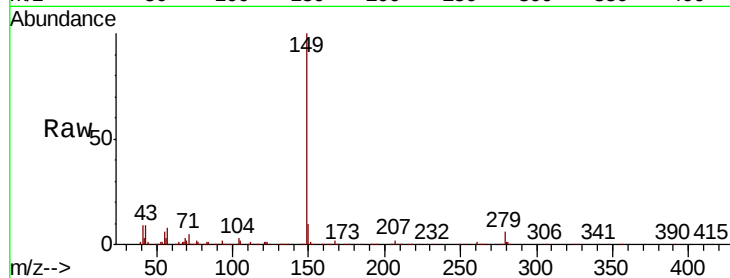




#85
Di-n-octyl phthalate
Concen: 43.579 ng
RT: 22.84 min Scan# 3362
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

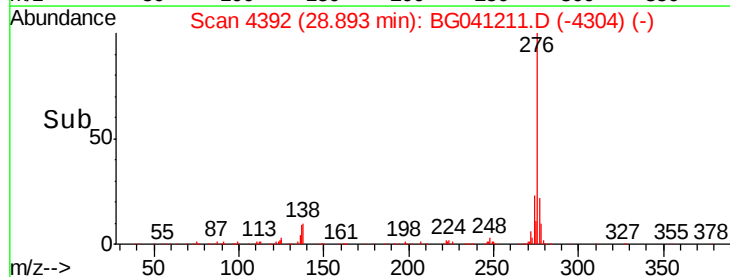
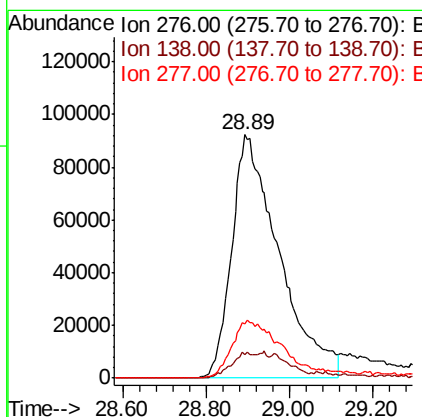
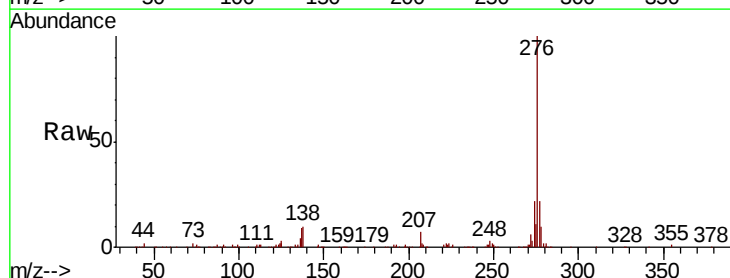
Instrument :
BNA_G
ClientSampled :
SOIL-01

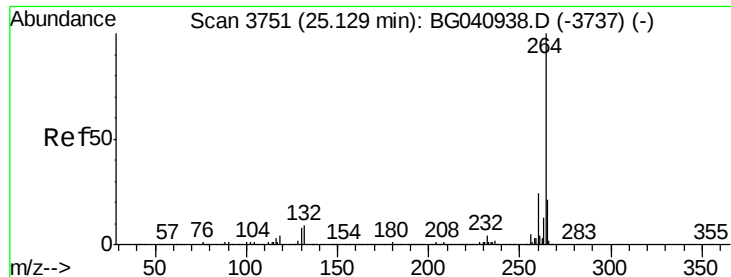
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.0	8.1	12.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 32.993 ng
RT: 28.89 min Scan# 4392
Delta R.T. -0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.1	5.7	8.5#
277	25.8	20.8	31.2

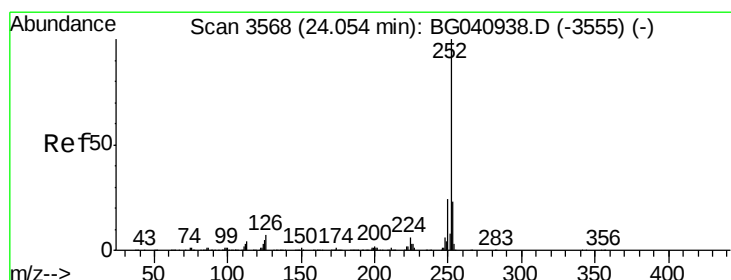
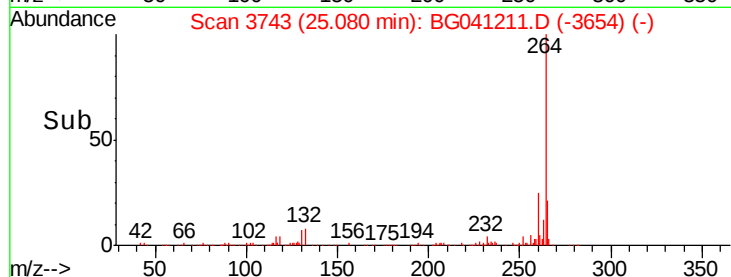
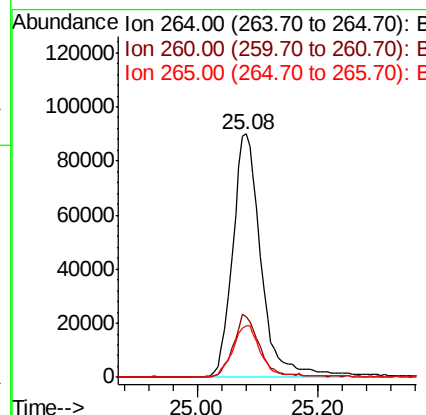
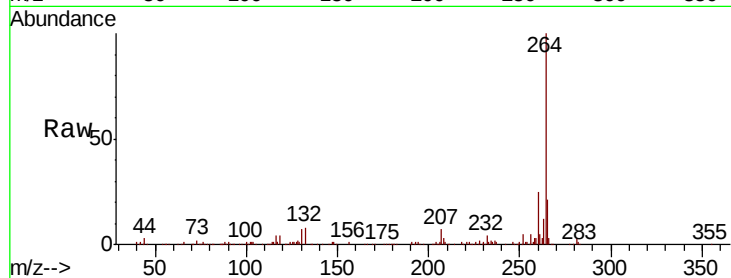




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

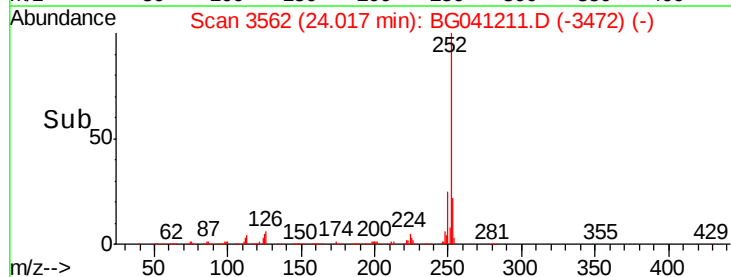
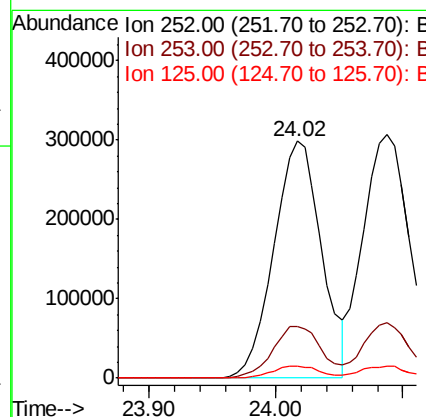
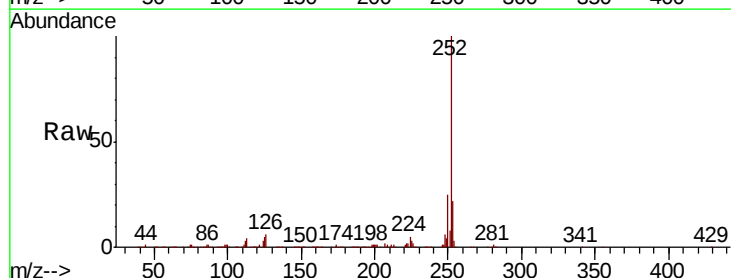
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-01

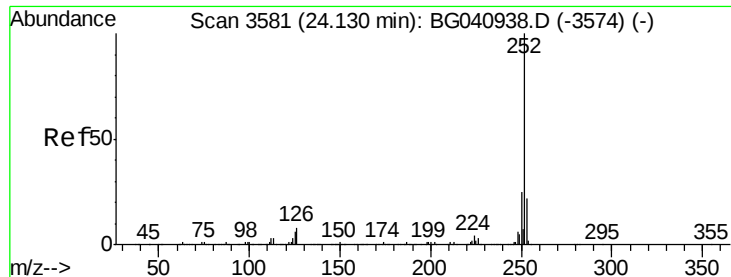
Tgt Ion: 264 Resp: 293811
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.0 28.4
 265 21.1 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 43.836 ng
 RT: 24.02 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: BG041211.D
 Acq: 12 Jun 2019 18:12

Tgt Ion: 252 Resp: 781183
 Ion Ratio Lower Upper
 252 100
 253 22.0 18.4 27.6
 125 5.0 4.3 6.5





#89

Benzo(k)fluoranthene

Concen: 46.279 ng

RT: 24.09 min Scan# 3574

Delta R.T. -0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

Instrument :

BNA_G

ClientSampleId :

SOIL-01

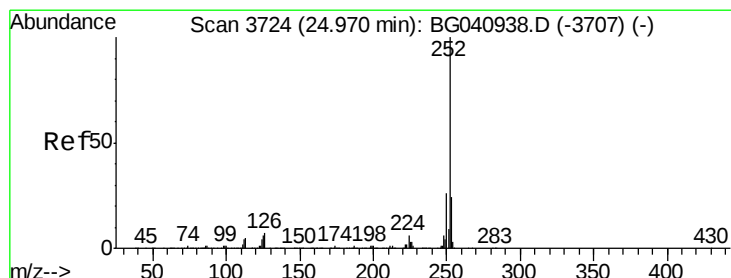
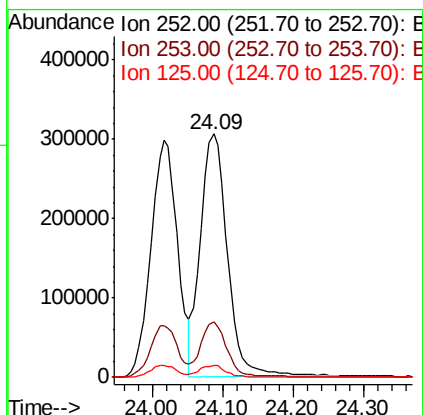
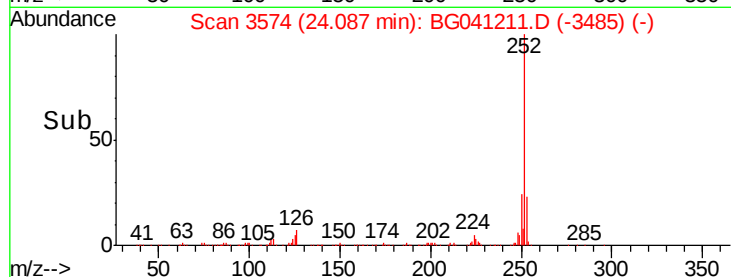
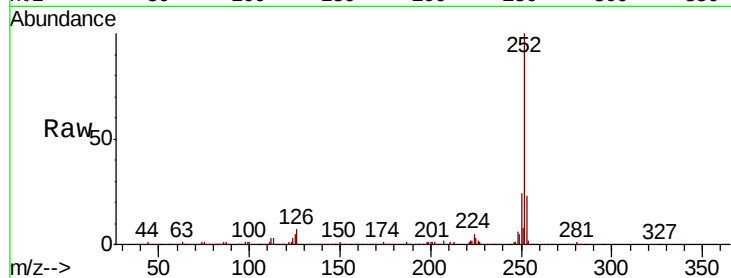
Tgt Ion:252 Resp: 816115

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 5.0 4.7 7.1



#90

Benzo(a)pyrene

Concen: 45.594 ng

RT: 24.93 min Scan# 3717

Delta R.T. 0.00 min

Lab File: BG041211.D

Acq: 12 Jun 2019 18:12

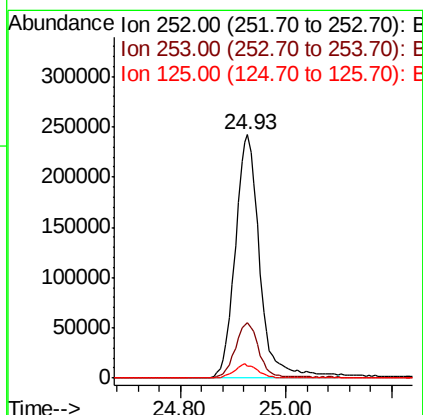
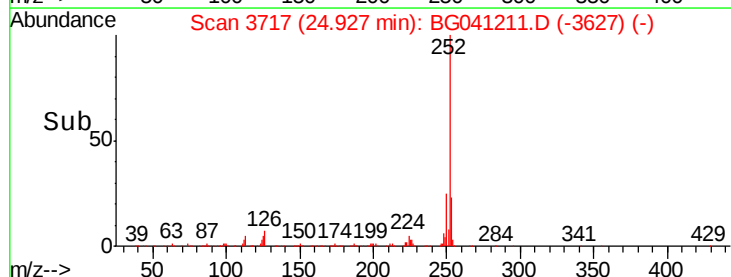
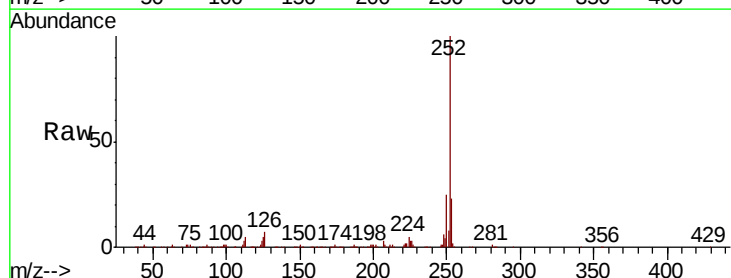
Tgt Ion:252 Resp: 775204

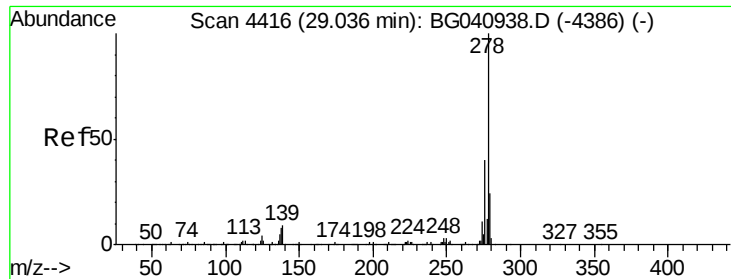
Ion Ratio Lower Upper

252 100

253 22.8 19.5 29.3

125 5.1 5.1 7.7#

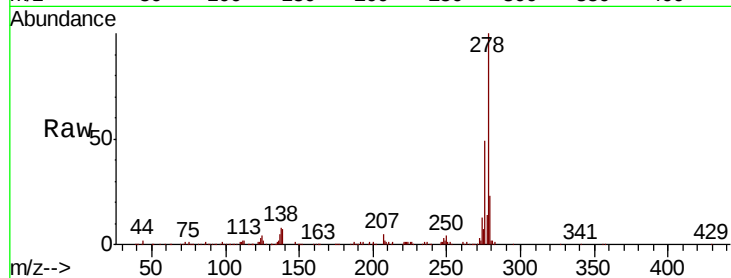




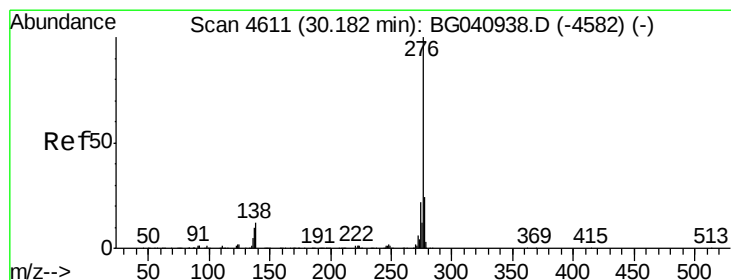
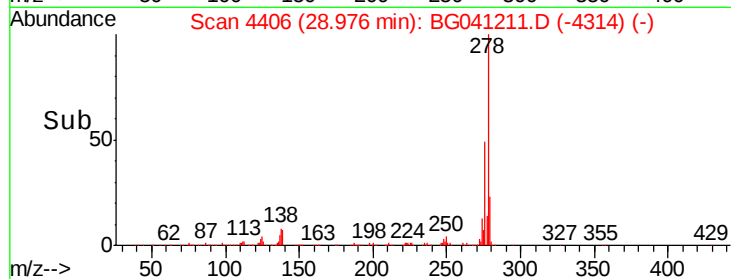
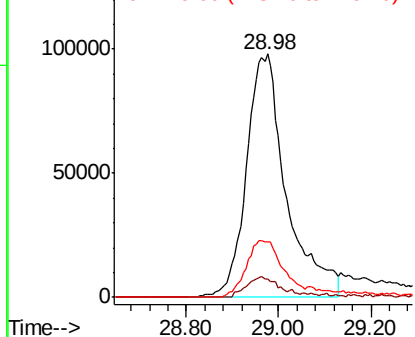
#91
Dibenzo(a,h)anthracene
Concen: 34.586 ng
RT: 28.98 min Scan# 4406
Delta R.T. 0.01 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Instrument :
BNA_G
ClientSampled :
SOIL-01

Tgt Ion: 278 Resp: 587567
Ion Ratio Lower Upper
278 100
139 7.5 7.1 10.7
279 22.9 19.4 29.2

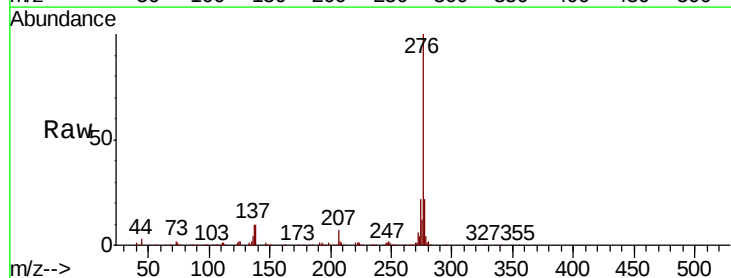


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 32.403 ng
RT: 30.11 min Scan# 4599
Delta R.T. -0.00 min
Lab File: BG041211.D
Acq: 12 Jun 2019 18:12

Tgt Ion: 276 Resp: 534806
Ion Ratio Lower Upper
276 100
277 22.5 19.4 29.0
138 10.3 9.7 14.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

