

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032719\
 Data File : BG040186.D
 Acq On : 28 Mar 2019 00:26
 Operator : JU/SJ
 Sample : K1560-02
 Misc : LOQ 20PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Quant Time: Mar 28 06:40:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	55527	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	234164	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	140747	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	330794	20.00	ng	0.00
76) Chrysene-d12	21.73	240	332256	20.00	ng	0.00
87) Perylene-d12	25.02	264	349730	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	435159	130.28	ng	0.00
7) Phenol-d6	7.23	99	601475	130.30	ng	0.00
23) Nitrobenzene-d5	9.25	82	367309	83.38	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	212627	139.78	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	821729	86.51	ng	0.00
79) Terphenyl-d14	20.05	244	1219688	82.58	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	32097	20.436	ng	97
3) Pyridine	3.93	79	88901	21.023	ng	100
4) n-Nitrosodimethylamine	3.85	42	38669	19.769	ng	# 89
6) Aniline	7.40	93	118389	19.740	ng	97
8) 2-Chlorophenol	7.63	128	76651	19.604	ng	97
9) Benzaldehyde	7.22	77	63905	20.182	ng	94
10) Phenol	7.25	94	99998	19.958	ng	95
11) bis(2-Chloroethyl)ether	7.49	93	79959	19.925	ng	97
12) 1,3-Dichlorobenzene	7.95	146	88476	20.816	ng	99
13) 1,4-Dichlorobenzene	8.11	146	86396	20.409	ng	96
14) 1,2-Dichlorobenzene	8.42	146	83575	20.645	ng	96
15) Benzyl Alcohol	8.31	79	74677	20.088	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.59	45	156146	20.274	ng	99
17) 2-Methylphenol	8.51	107	68116	19.646	ng	97
18) Hexachloroethane	9.15	117	31991	19.867	ng	99
19) n-Nitroso-di-n-propylamine	8.87	70	66851	20.199	ng	96
20) 3+4-Methylphenols	8.83	107	90875	19.348	ng	99
22) Acetophenone	8.90	105	124431	21.302	ng	# 97
24) Nitrobenzene	9.29	77	94311	20.673	ng	93
25) Isophorone	9.80	82	186944	20.624	ng	96
26) 2-Nitrophenol	10.00	139	44619	20.641	ng	97
27) 2,4-Dimethylphenol	10.04	122	67347	19.614	ng	98
28) bis(2-Chloroethoxy)methane	10.28	93	112282	20.937	ng	99
29) 2,4-Dichlorophenol	10.53	162	76419	20.504	ng	97
30) 1,2,4-Trichlorobenzene	10.74	180	86760	21.201	ng	99
31) Naphthalene	10.93	128	255970	21.326	ng	100
32) Benzoic acid	10.16	122	30086	14.502	ng	95
33) 4-Chloroaniline	11.05	127	105494	20.605	ng	98
34) Hexachlorobutadiene	11.20	225	54613	20.867	ng	96
35) Caprolactam	11.82	113	29287	19.802	ng	98
36) 4-Chloro-3-methylphenol	12.15	107	87580	20.441	ng	100
37) 2-Methylnaphthalene	12.53	142	187517	21.124	ng	100
38) 1-Methylnaphthalene	12.75	142	182741	21.229	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.90	216	98843	22.096	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	47712	19.425	ng	94
43) 2,4,6-Trichlorophenol	13.14	196	58947	20.438	ng	97
44) 2,4,5-Trichlorophenol	13.21	196	65653	20.884	ng	98
46) 1,1'-Biphenyl	13.54	154	242046	21.765	ng	99
47) 2-Chloronaphthalene	13.58	162	184846	21.669	ng	98
48) 2-Nitroaniline	13.79	65	58533	20.343	ng	97
49) Acenaphthylene	14.43	152	315772	21.833	ng	99
50) Dimethylphthalate	14.15	163	239570	21.749	ng	98
51) 2,6-Dinitrotoluene	14.28	165	52816	21.354	ng	99
52) Acenaphthene	14.76	154	179005	21.599	ng	99
53) 3-Nitroaniline	14.61	138	54296	20.739	ng	99
54) 2,4-Dinitrophenol	14.82	184	22658	17.225	ng	# 83
55) Dibenzofuran	15.10	168	295347	22.178	ng	98
56) 4-Nitrophenol	14.91	139	42594	20.158	ng	98
57) 2,4-Dinitrotoluene	15.06	165	73226	21.307	ng	99
58) Fluorene	15.74	166	229017	21.874	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.32	232	58123	20.375	ng	99
60) Diethylphthalate	15.50	149	245248	21.757	ng	99
61) 4-Chlorophenyl-phenylether	15.73	204	122471	21.883	ng	98
62) 4-Nitroaniline	15.77	138	58691	20.889	ng	92
63) Azobenzene	16.03	77	228236	21.466	ng	99
65) 4,6-Dinitro-2-methylphenol	15.82	198	34202	18.403	ng	98
66) n-Nitrosodiphenylamine	15.95	169	205286	21.207	ng	99
67) 4-Bromophenyl-phenylether	16.63	248	78284	21.030	ng	99
68) Hexachlorobenzene	16.74	284	80571	21.526	ng	# 93
69) Atrazine	16.89	200	77117	21.416	ng	96
70) Pentachlorophenol	17.09	266	39911	18.444	ng	99
71) Phenanthrene	17.49	178	381405	21.936	ng	98
72) Anthracene	17.58	178	381780	21.937	ng	98
73) Carbazole	17.85	167	356181	21.626	ng	98
74) Di-n-butylphthalate	18.38	149	423806	21.708	ng	100
75) Fluoranthene	19.49	202	469238	22.791	ng	97
77) Benzidine	19.68	184	209666	17.475	ng	98
78) Pyrene	19.86	202	469632	21.494	ng	99
80) Butylbenzylphthalate	20.73	149	189144	20.230	ng	95
81) Benzo(a)anthracene	21.70	228	440567	21.528	ng	99
82) 3,3'-Dichlorobenzidine	21.62	252	158165	20.317	ng	99
83) Chrysene	21.77	228	417422	21.223	ng	97
84) Bis(2-ethylhexyl)phthalate	21.57	149	269881	20.193	ng	99
85) Di-n-octyl phthalate	22.80	149	454778	19.972	ng	99
86) Indeno(1,2,3-cd)pyrene	28.80	276	498314	20.715	ng	# 85
88) Benzo(b)fluoranthene	23.96	252	450625	21.046	ng	99
89) Benzo(k)fluoranthene	24.04	252	417308	21.193	ng	98
90) Benzo(a)pyrene	24.86	252	424243	21.117	ng	98
91) Dibenzo(a,h)anthracene	28.86	278	399001	21.384	ng	97
92) Benzo(g,h,i)perylene	29.99	276	397711	20.741	ng	95

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

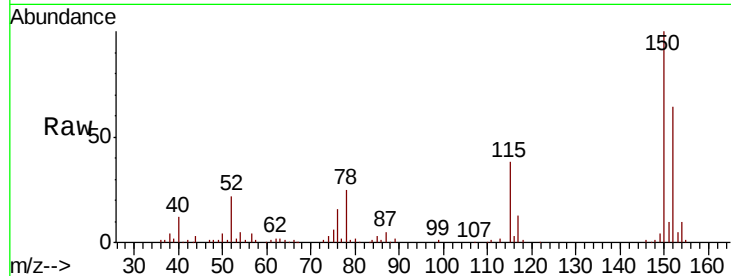


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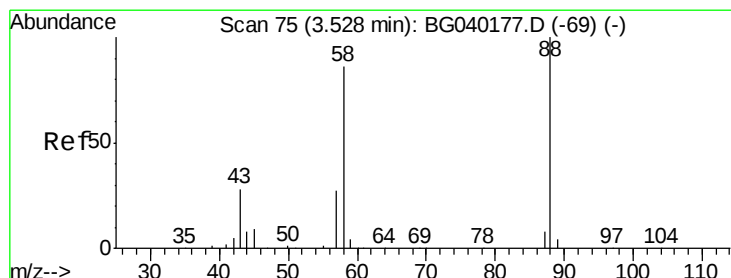
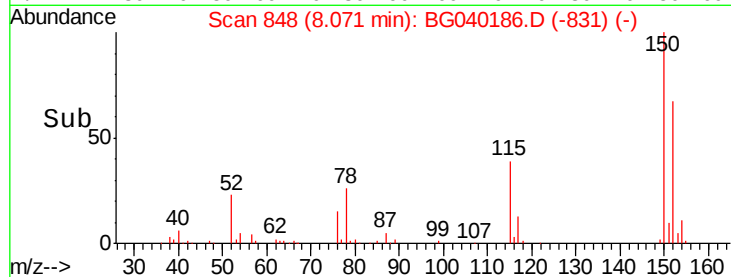
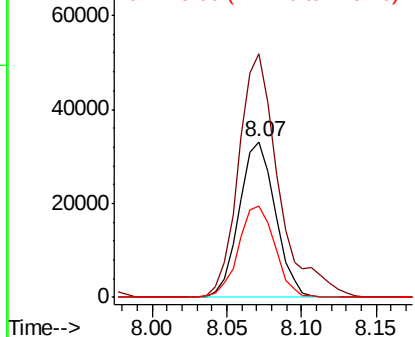
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:152 Resp: 55527
Ion Ratio Lower Upper
152 100
150 156.5 123.7 185.5
115 59.0 46.9 70.3



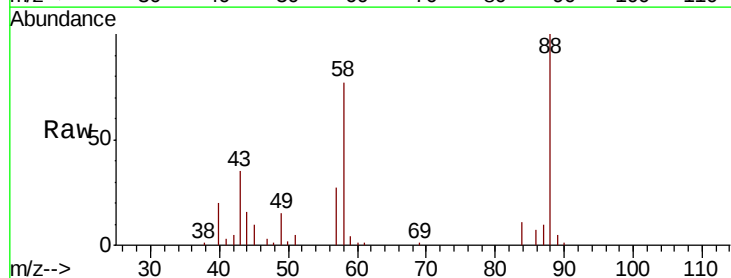
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



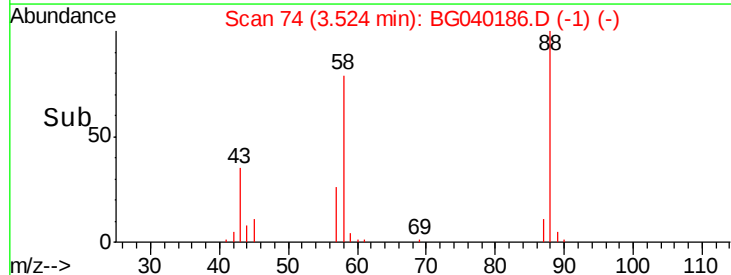
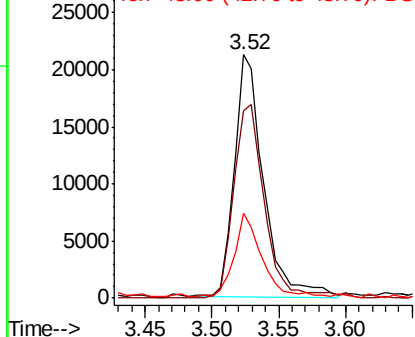
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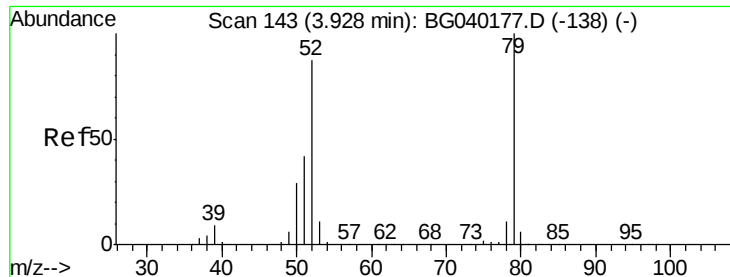
1,4-Dioxane
Concen: 20.436 ng
RT: 3.52 min Scan# 74
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion: 88 Resp: 32097
Ion Ratio Lower Upper
88 100
58 85.2 70.6 106.0
43 31.3 24.8 37.2



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: 21.023 ng

RT: 3.93 min Scan# 143

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

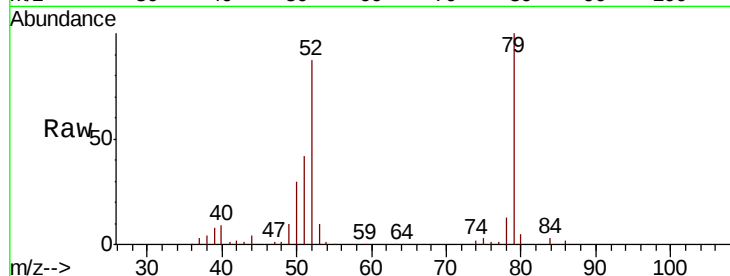
Tgt Ion: 79 Resp: 88901

Ion Ratio Lower Upper

79 100

52 86.8 69.8 104.8

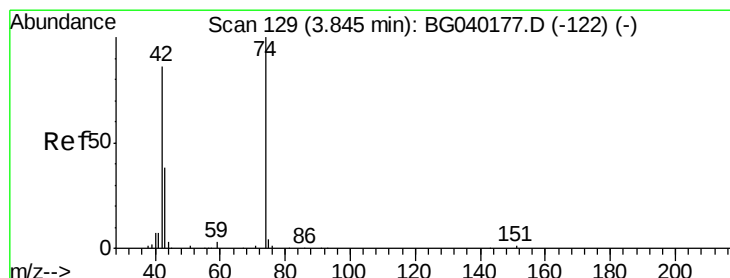
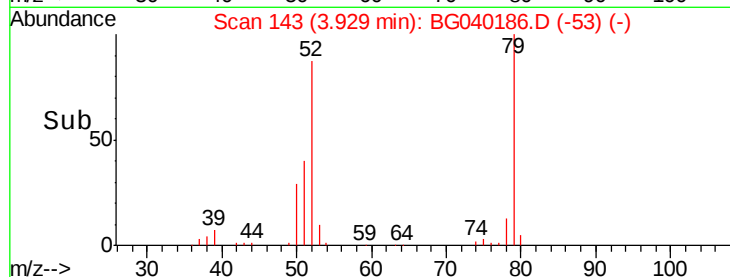
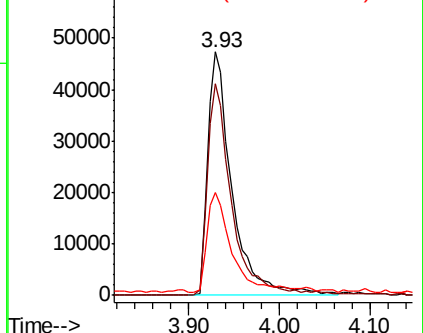
51 42.4 33.9 50.9



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: 19.769 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

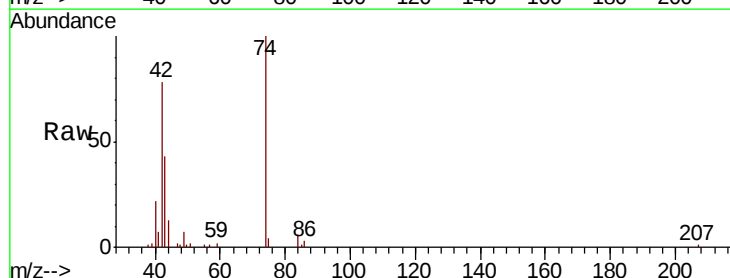
Tgt Ion: 42 Resp: 38669

Ion Ratio Lower Upper

42 100

74 128.4 92.9 139.3

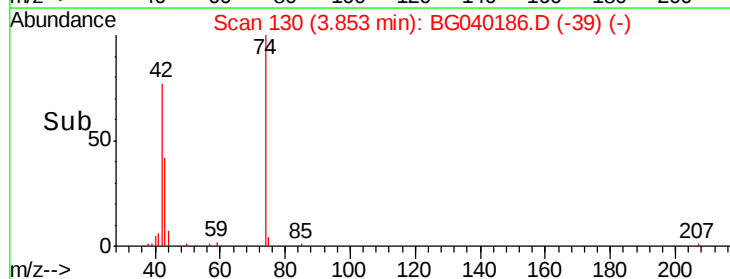
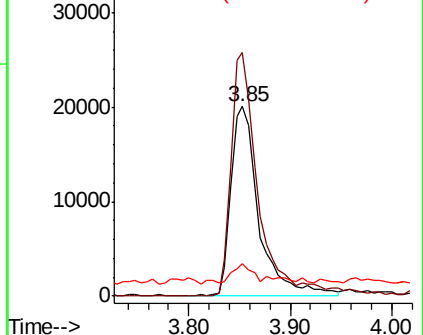
44 16.8 9.7 14.5#



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: 130.281 ng

RT: 5.62 min Scan# 431

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

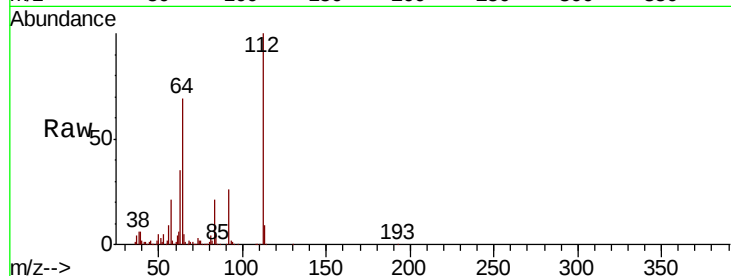
Tgt Ion: 112 Resp: 435159

Ion Ratio Lower Upper

112 100

64 68.9 54.2 81.2

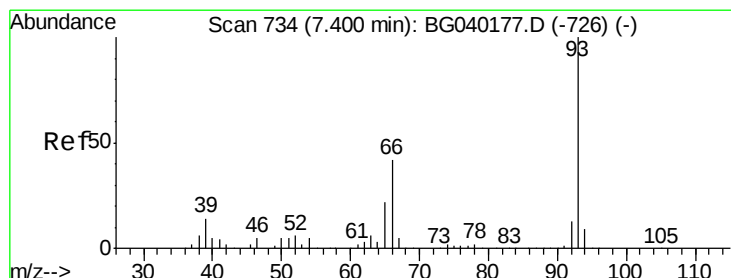
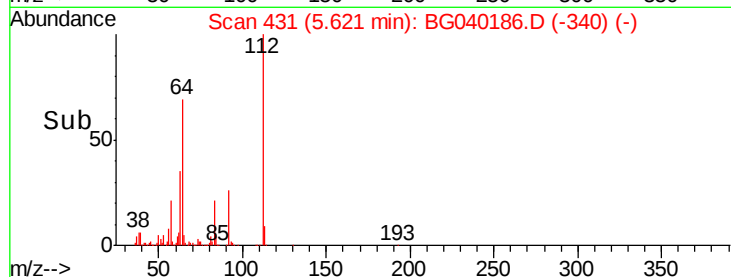
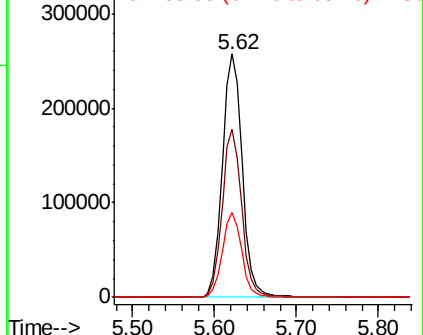
63 34.7 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 19.740 ng

RT: 7.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

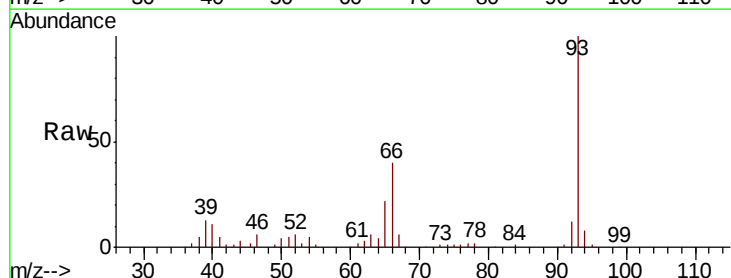
Tgt Ion: 93 Resp: 118389

Ion Ratio Lower Upper

93 100

66 39.6 33.6 50.4

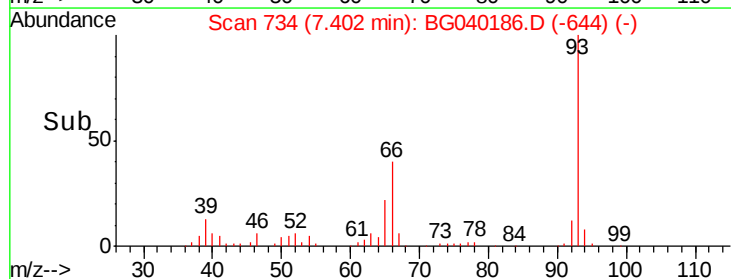
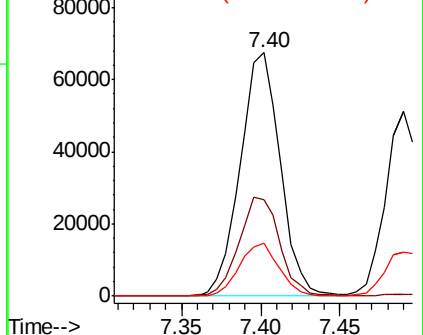
65 21.7 17.4 26.2



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: 130.298 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG040186.D

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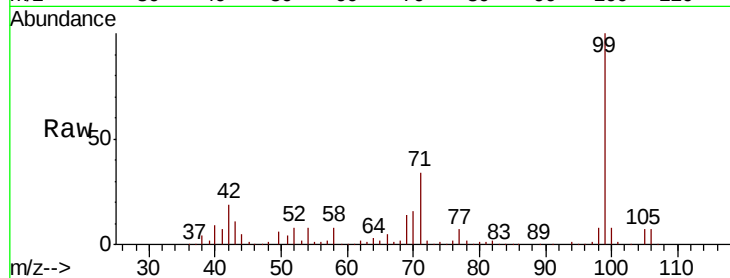
Tgt Ion: 99 Resp: 601475

Ion Ratio Lower Upper

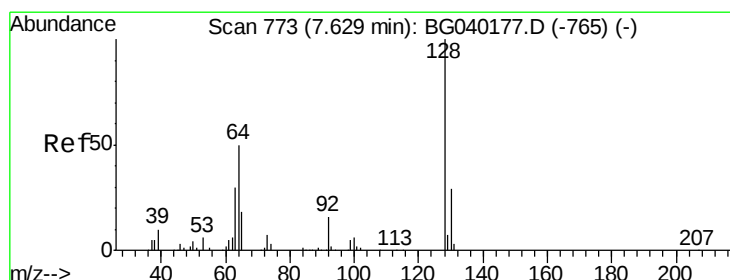
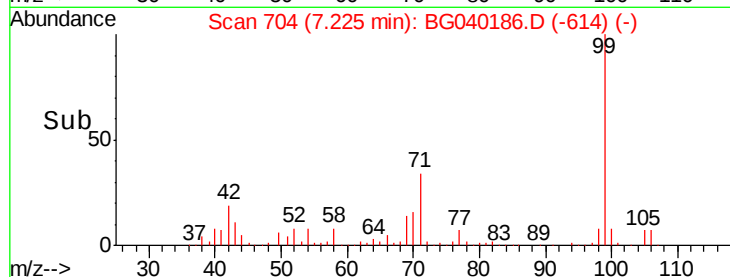
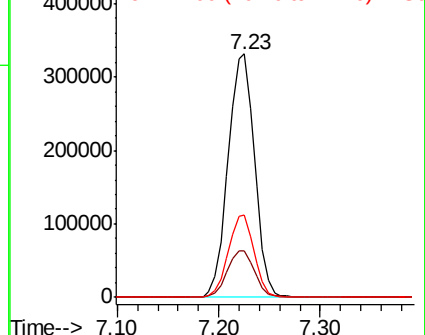
99 100

42 19.3 16.2 24.2

71 33.8 26.8 40.2



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: 19.604 ng

RT: 7.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

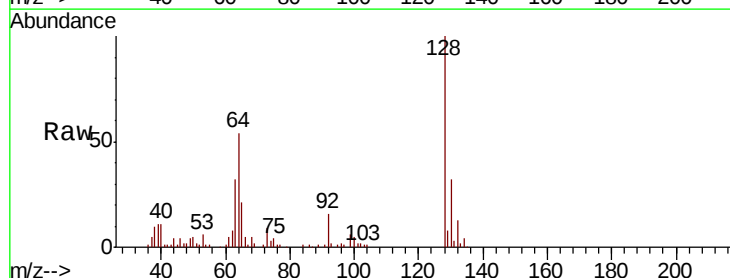
Tgt Ion: 128 Resp: 76651

Ion Ratio Lower Upper

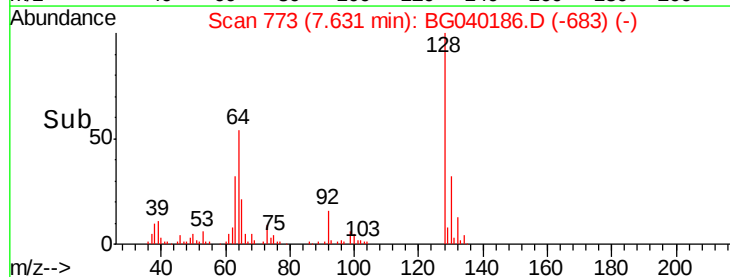
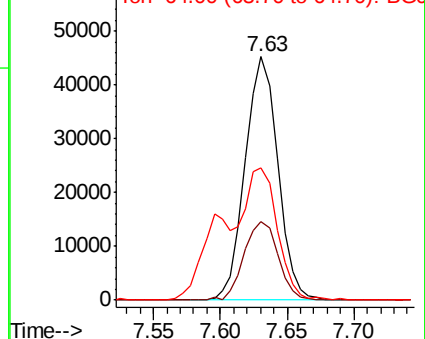
128 100

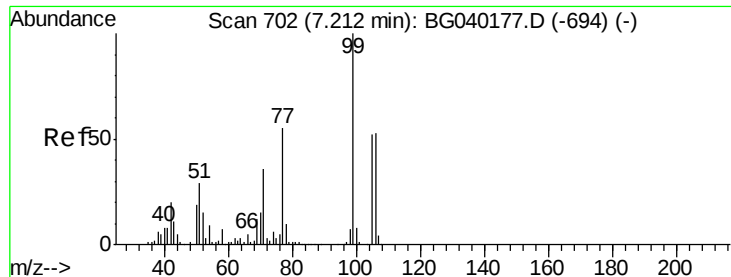
130 32.4 9.1 49.1

64 54.3 33.1 73.1



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





#9

Benzaldehyde

Concen: 20.182 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

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LOQ-SOIL-02-QT1-2019

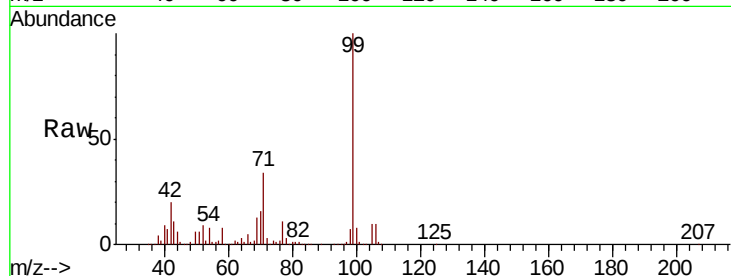
Tgt Ion: 77 Resp: 63905

Ion Ratio Lower Upper

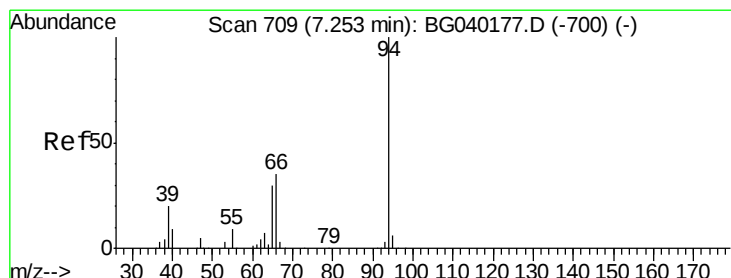
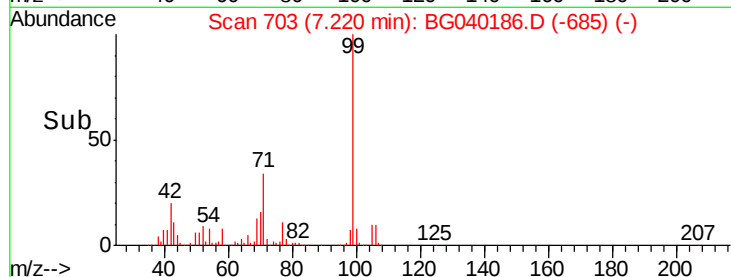
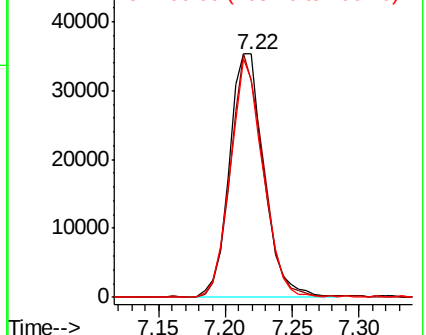
77 100

105 89.4 75.0 115.0

106 89.9 75.7 115.7



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: 19.958 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

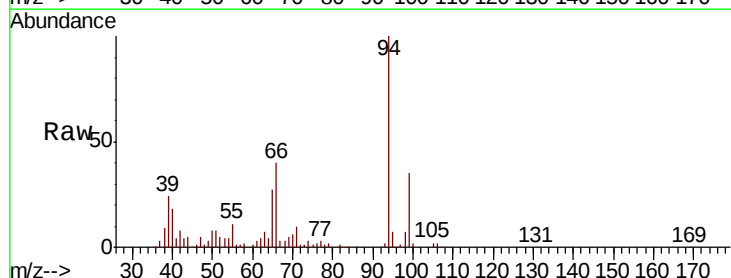
Tgt Ion: 94 Resp: 99998

Ion Ratio Lower Upper

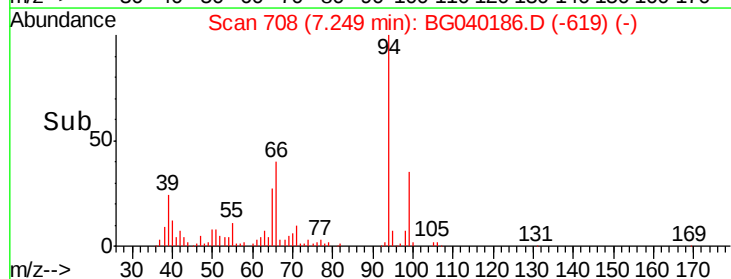
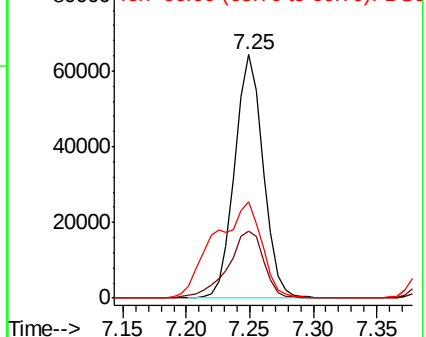
94 100

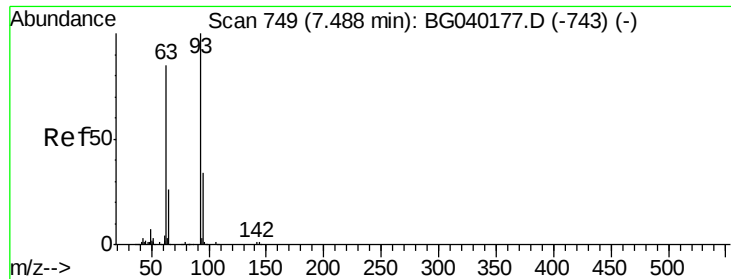
65 27.3 10.5 50.5

66 39.7 16.9 56.9



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



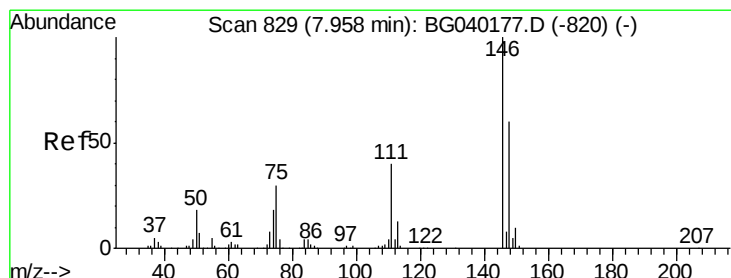
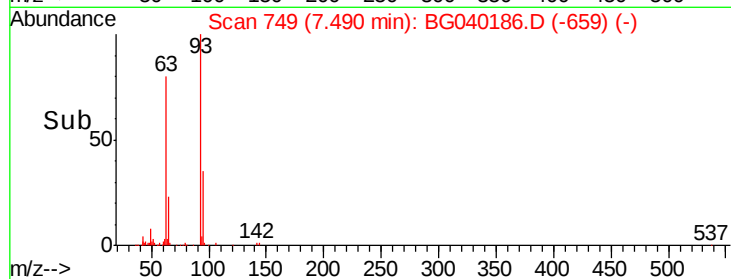
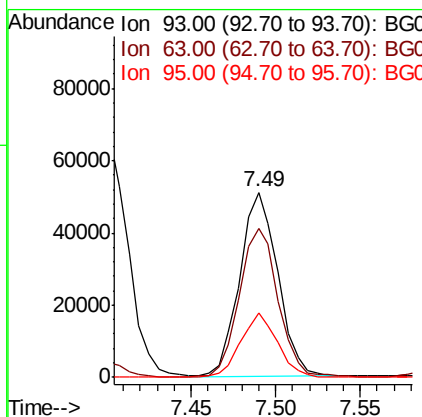
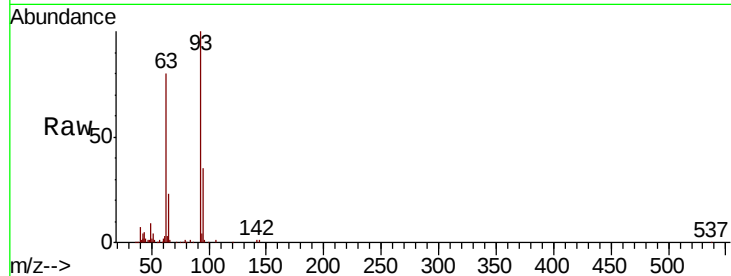


#11
bis(2-Chloroethyl)ether
Concen: 19.925 ng
RT: 7.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 93 Resp: 79959

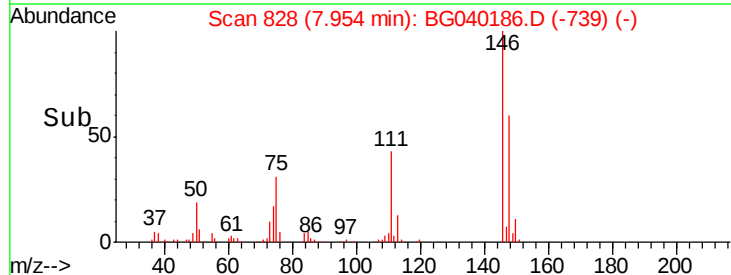
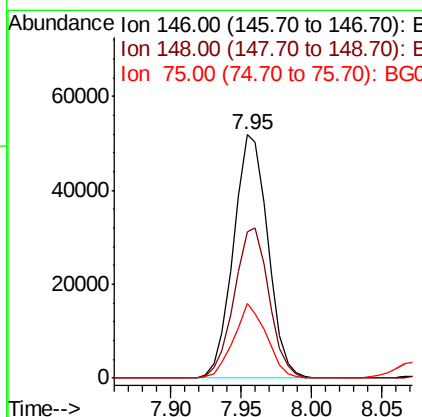
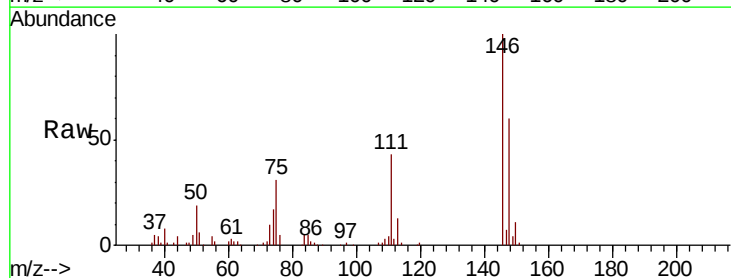
Ion	Ratio	Lower	Upper
93	100		
63	80.1	64.2	104.2
95	34.5	14.0	54.0



#12
1,3-Dichlorobenzene
Concen: 20.816 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion: 146 Resp: 88476

Ion	Ratio	Lower	Upper
146	100		
148	59.9	48.2	72.2
75	30.7	24.1	36.1

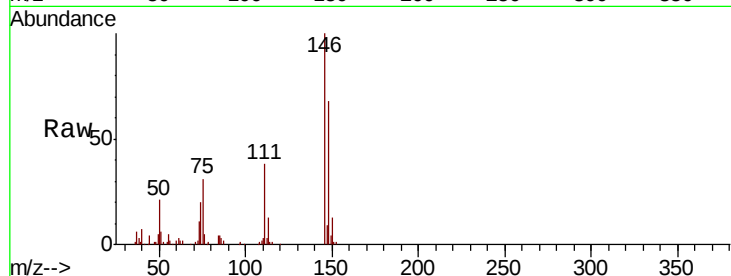




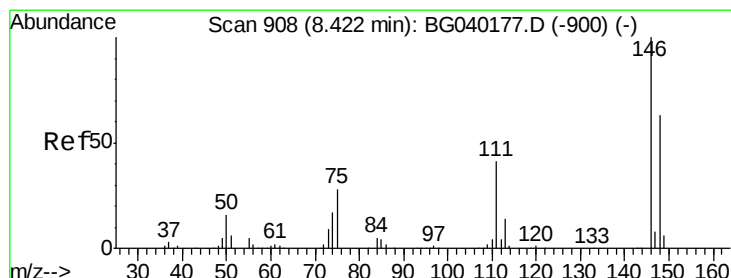
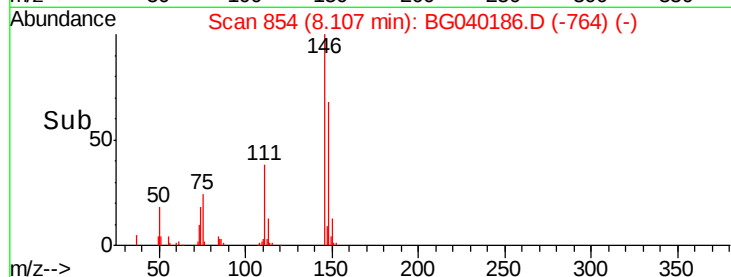
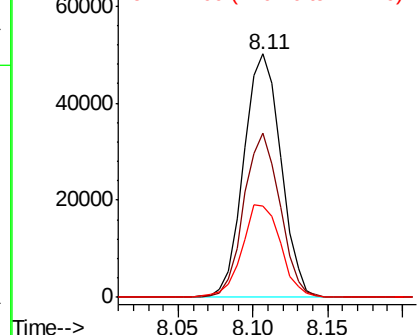
#13
 1,4-Dichlorobenzene
 Concen: 20.409 ng
 RT: 8.11 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:146 Resp: 86396
 Ion Ratio Lower Upper
 146 100
 148 67.7 51.0 76.4
 111 37.7 31.8 47.6

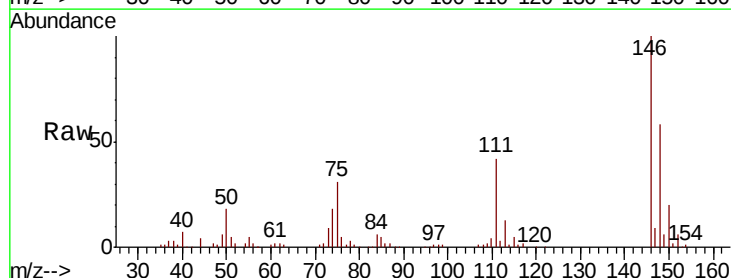


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

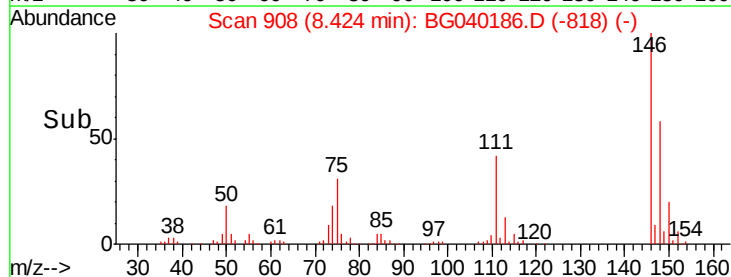
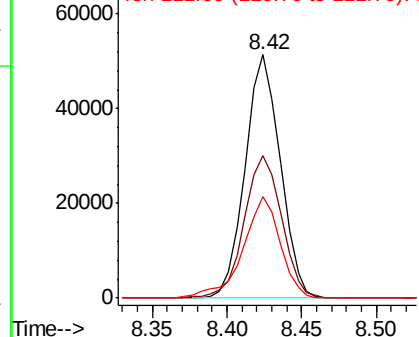


#14
 1,2-Dichlorobenzene
 Concen: 20.645 ng
 RT: 8.42 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:146 Resp: 83575
 Ion Ratio Lower Upper
 146 100
 148 58.5 50.8 76.2
 111 41.6 33.4 50.0



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: 20.088 ng

RT: 8.31 min Scan# 888

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

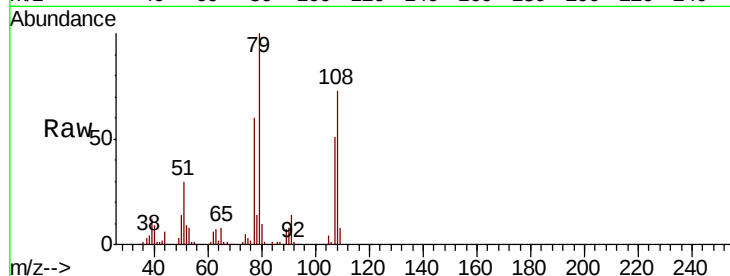
Tgt Ion: 79 Resp: 74677

Ion Ratio Lower Upper

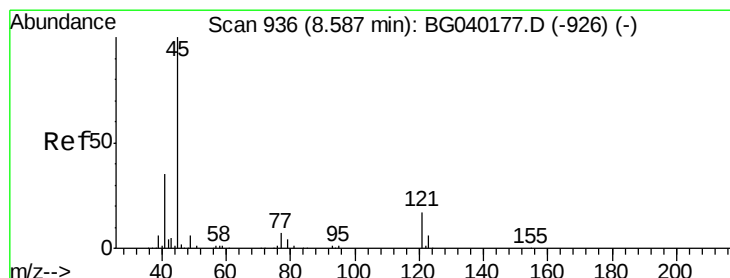
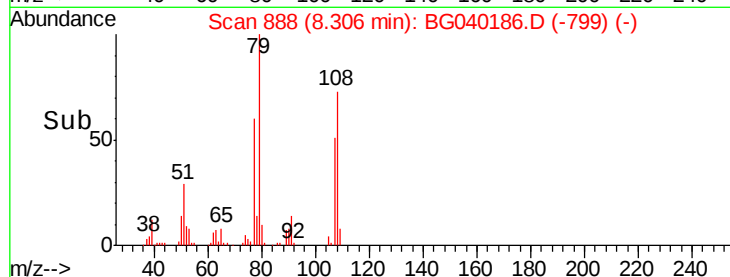
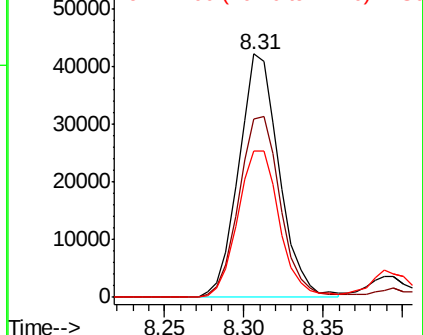
79 100

108 73.5 62.1 93.1

77 60.1 51.9 77.9



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: 20.274 ng

RT: 8.59 min Scan# 937

Delta R.T. 0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

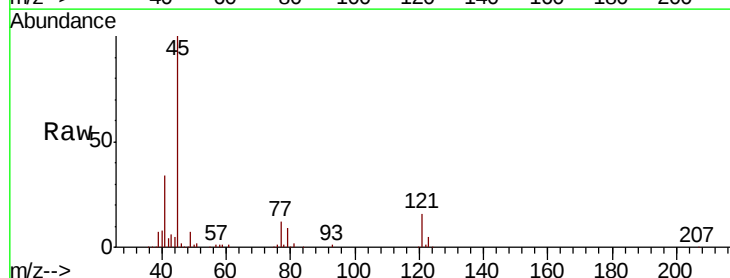
Tgt Ion: 45 Resp: 156146

Ion Ratio Lower Upper

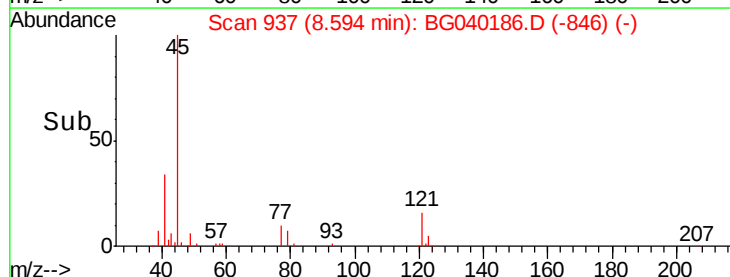
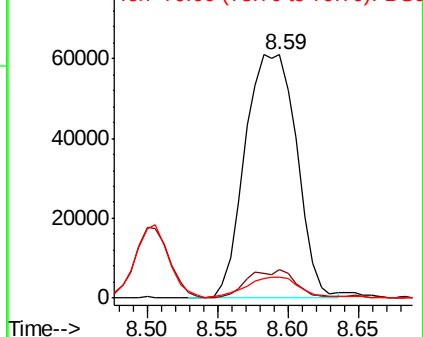
45 100

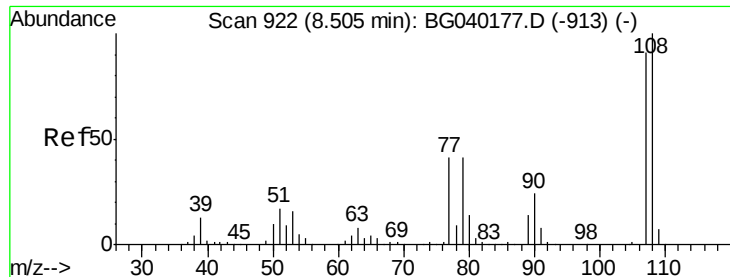
77 11.5 0.0 31.4

79 8.6 0.0 28.3



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

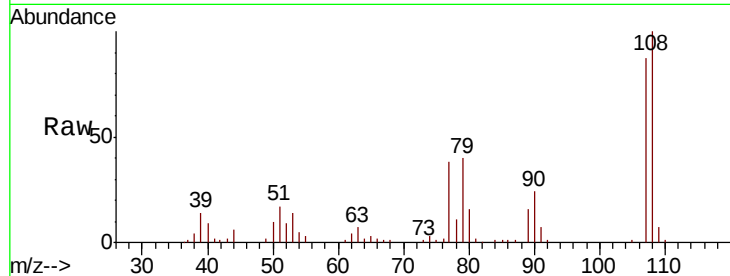




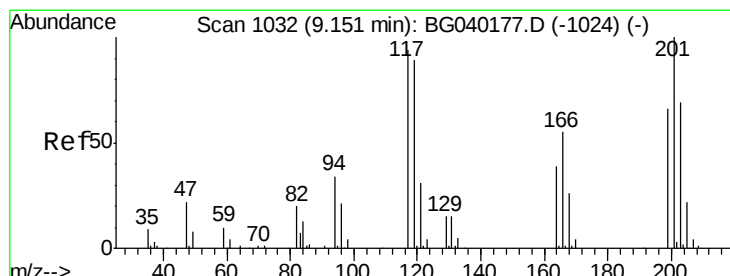
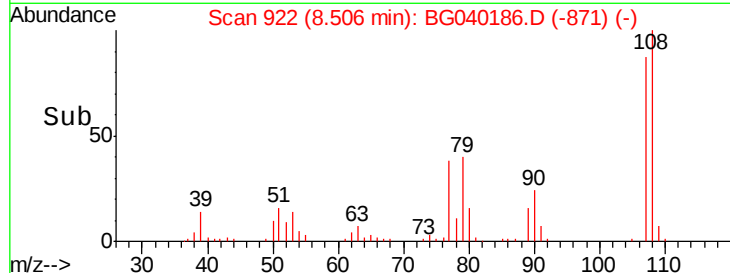
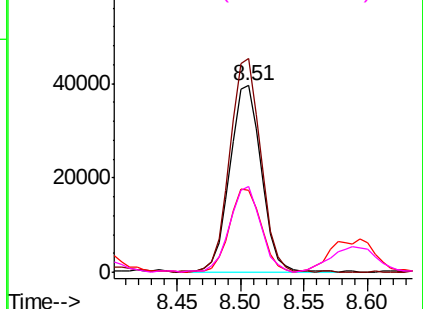
#17
2-Methylphenol
Concen: 19.646 ng
RT: 8.51 min Scan# 922
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:107 Resp: 68116
Ion Ratio Lower Upper
107 100
108 114.5 88.2 132.4
77 43.8 36.6 55.0
79 46.1 36.5 54.7

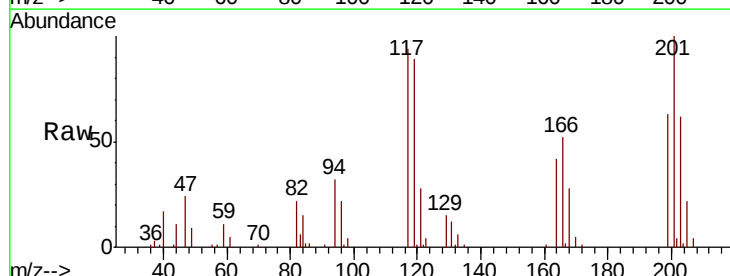


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

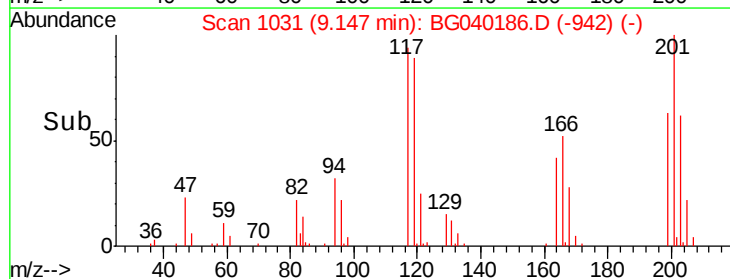
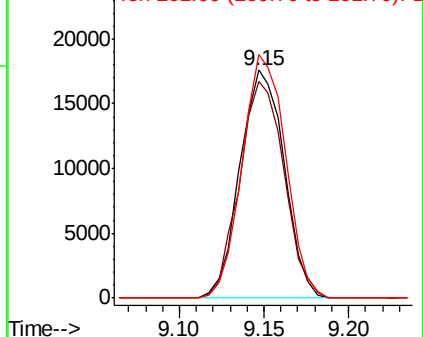


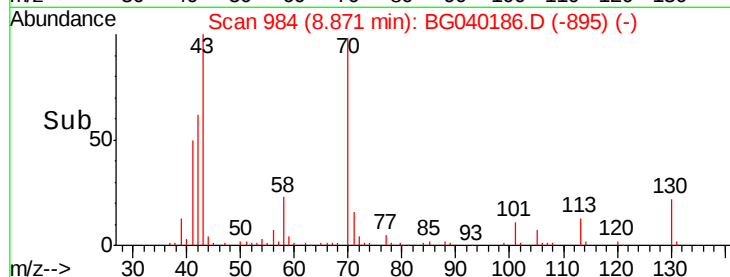
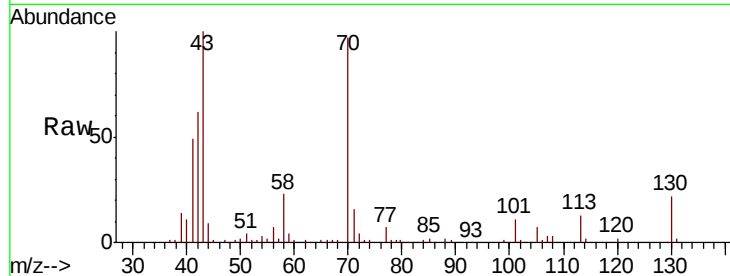
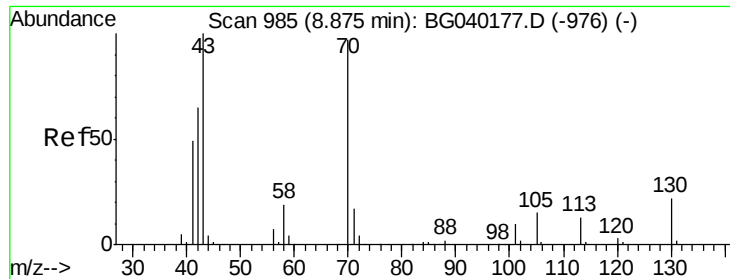
#18
Hexachloroethane
Concen: 19.867 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:117 Resp: 31991
Ion Ratio Lower Upper
117 100
119 95.4 76.6 115.0
201 106.9 85.0 127.4



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

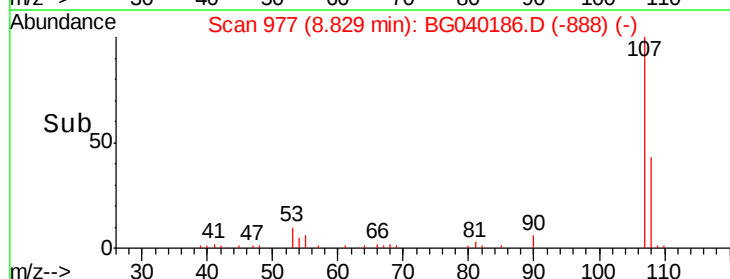
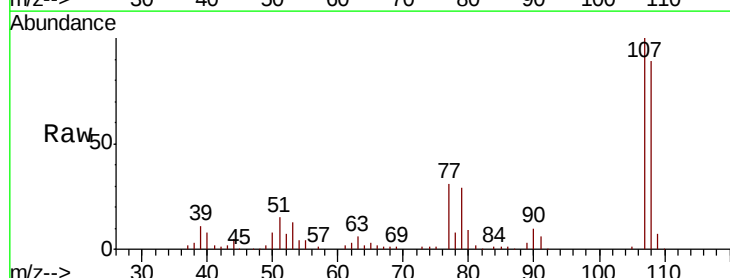
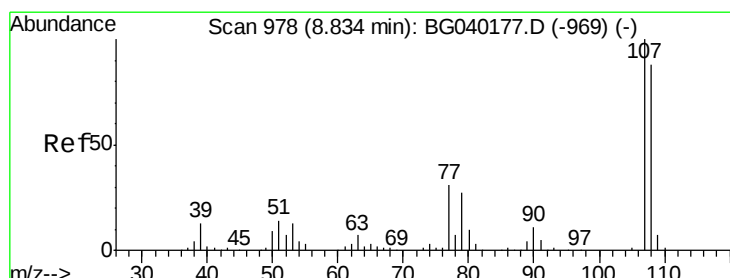
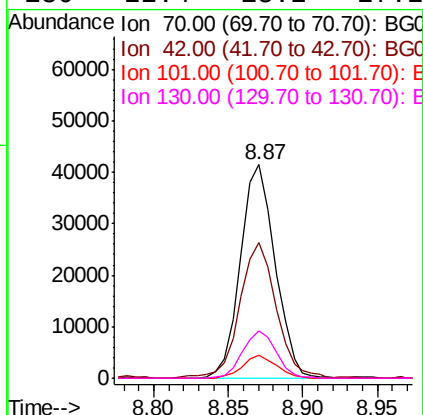




#19
n-Nitroso-di-n-propylamine
Concen: 20.199 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

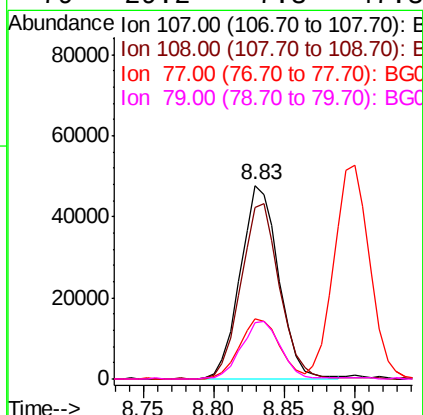
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:	70	Resp:	66851
Ion	Ratio	Lower	Upper
70	100		
42	63.4	54.0	81.0
101	10.9	8.6	13.0
130	22.4	18.2	27.2



#20
3+4-Methylphenols
Concen: 19.348 ng
RT: 8.83 min Scan# 977
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:	107	Resp:	90875
Ion	Ratio	Lower	Upper
107	100		
108	88.7	68.3	108.3
77	31.1	11.3	51.3
79	29.2	7.3	47.3

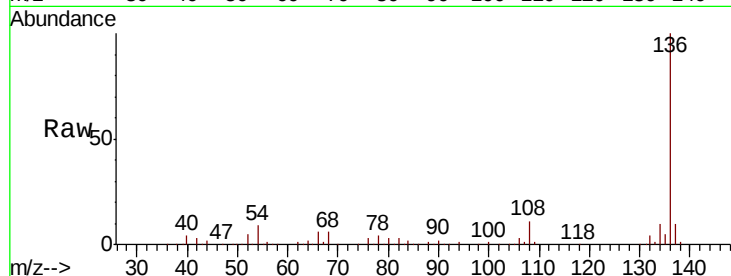




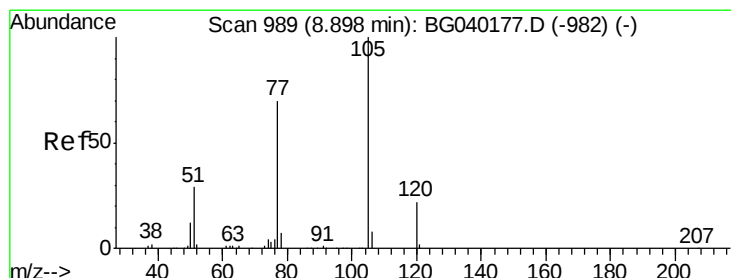
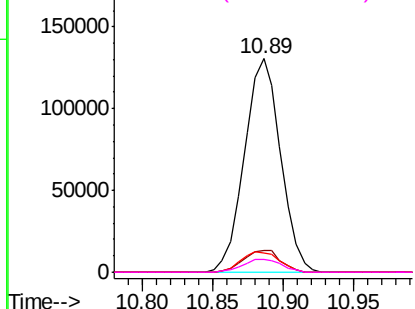
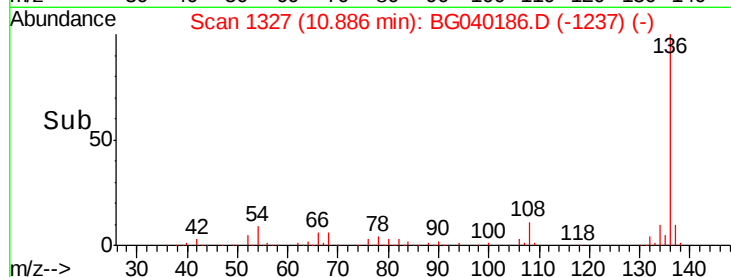
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:	136	Resp:	234164
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	9.2	9.6	14.4#
68	6.1	5.1	7.7

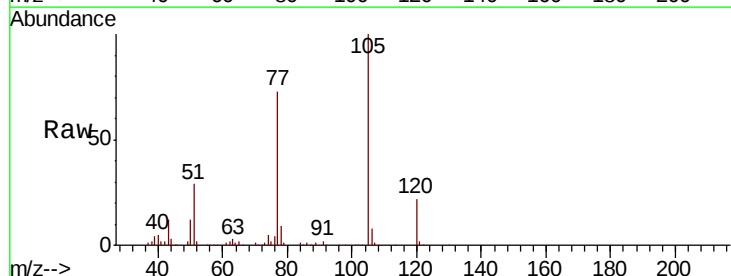


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

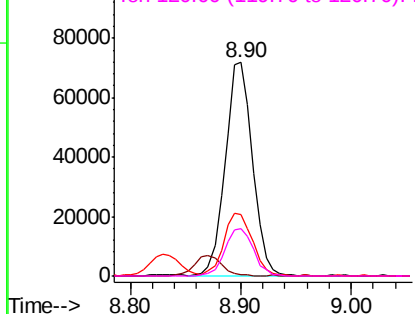
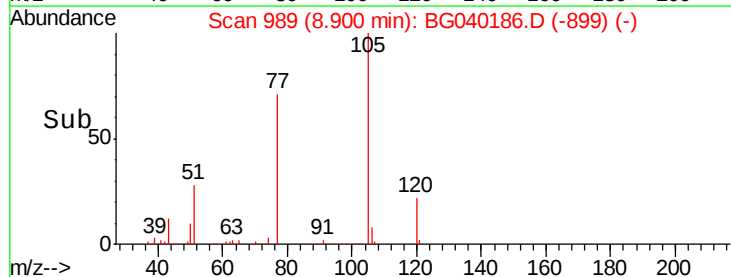


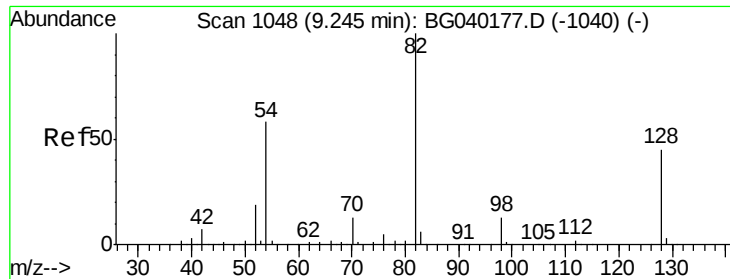
#22
Acetophenone
Concen: 21.302 ng
RT: 8.90 min Scan# 989
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:	105	Resp:	124431
Ion Ratio	Lower	Upper	
105	100		
71	0.3	0.6	1.0#
51	28.7	25.1	37.7
120	22.1	17.6	26.4



Abundance Ion 105.00 (104.70 to 105.70): E
100000
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

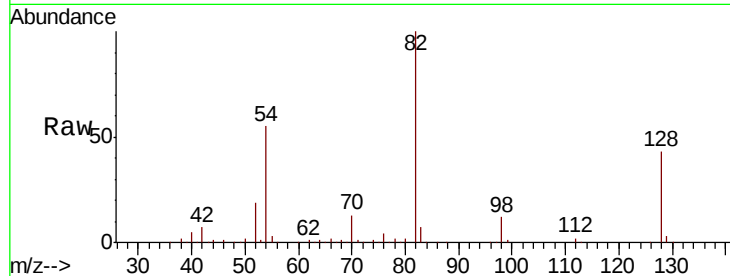




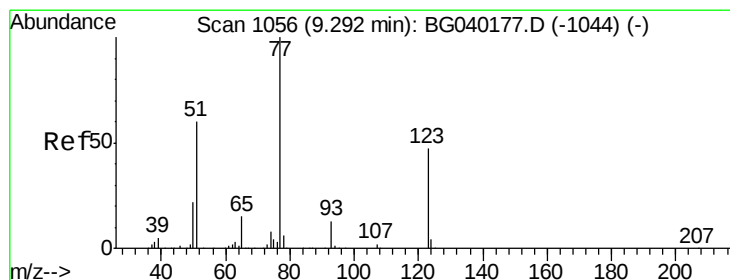
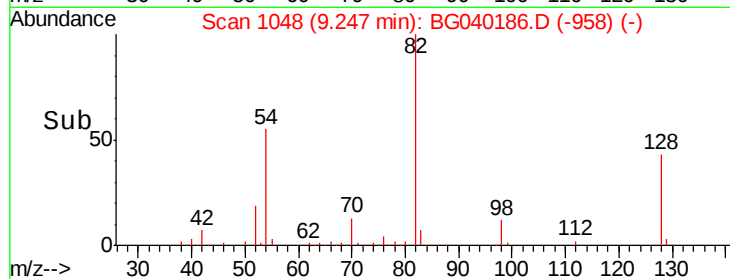
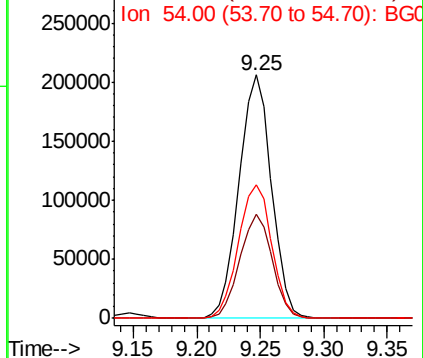
#23
 Nitrobenzene-d5
 Concen: 83.376 ng
 RT: 9.25 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion: 82 Resp: 367309
 Ion Ratio Lower Upper
 82 100
 128 42.6 35.8 53.8
 54 55.0 46.2 69.2

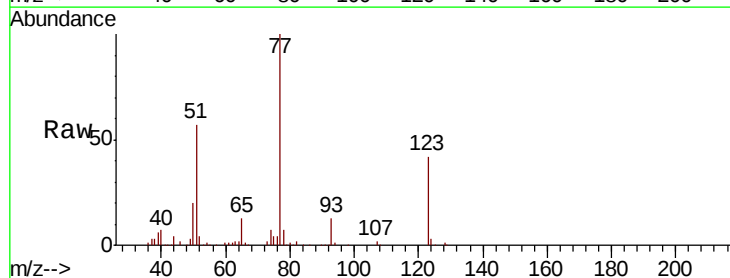


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

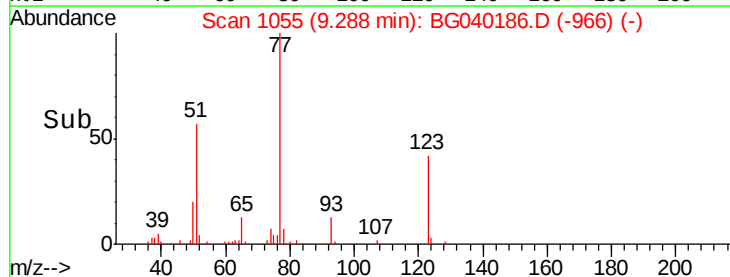
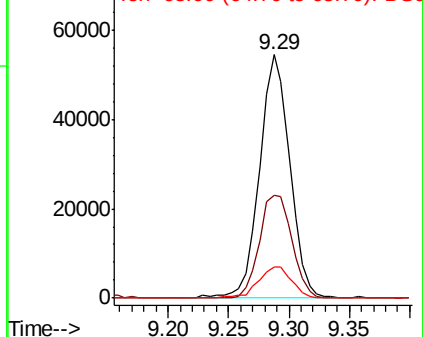


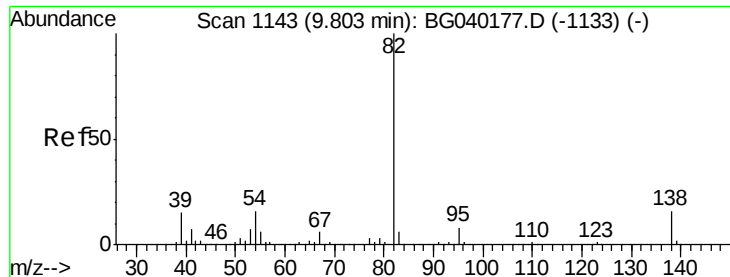
#24
 Nitrobenzene
 Concen: 20.673 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion: 77 Resp: 94311
 Ion Ratio Lower Upper
 77 100
 123 42.2 37.8 56.6
 65 13.0 12.0 18.0



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

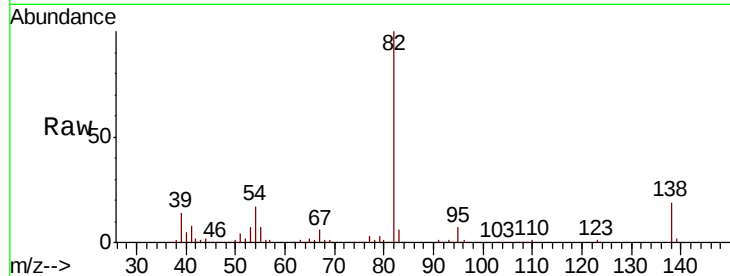




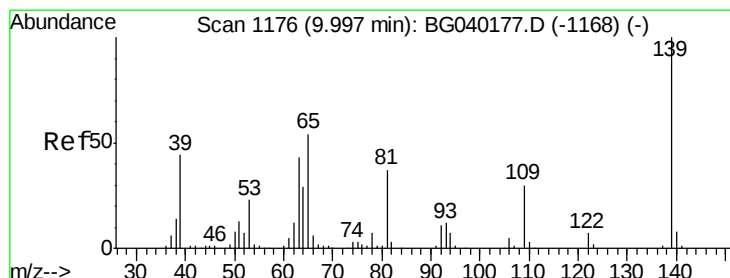
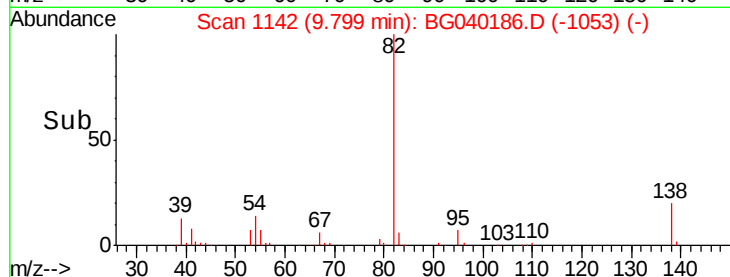
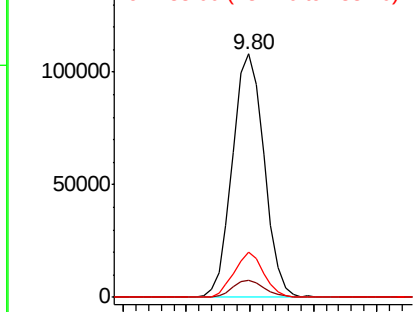
#25
Isophorone
Concen: 20.624 ng
RT: 9.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 82 Resp: 186944
Ion Ratio Lower Upper
82 100
95 7.0 6.1 9.1
138 18.7 13.2 19.8

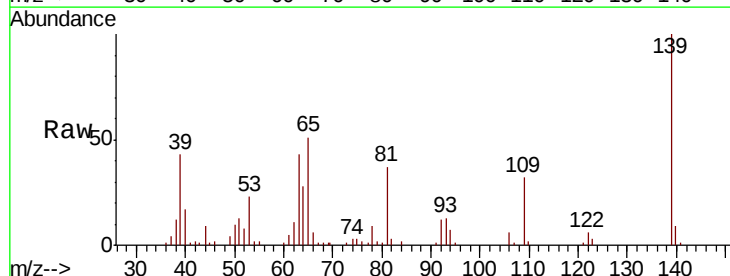


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

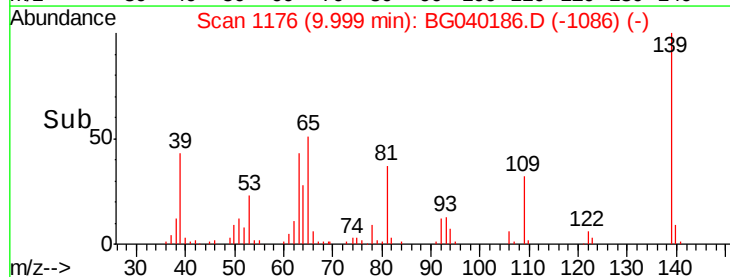
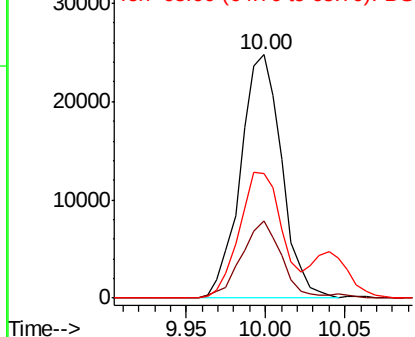


#26
2-Nitrophenol
Concen: 20.641 ng
RT: 10.00 min Scan# 1176
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion: 139 Resp: 44619
Ion Ratio Lower Upper
139 100
109 31.6 24.1 36.1
65 51.1 43.0 64.6



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

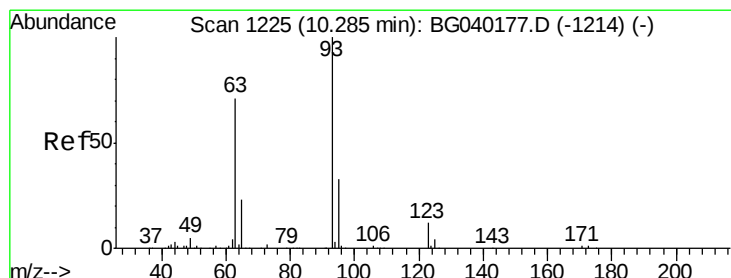
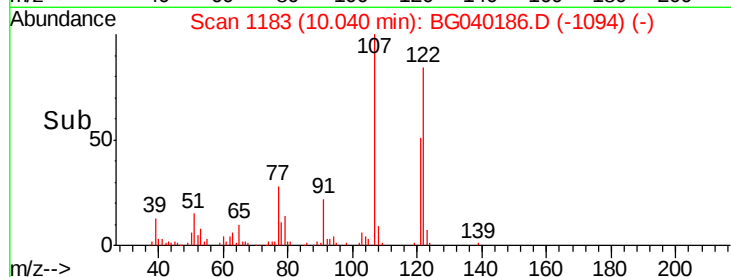
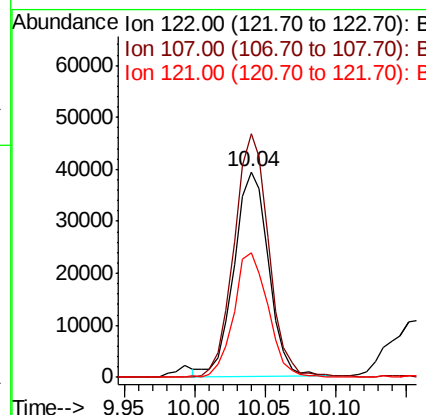
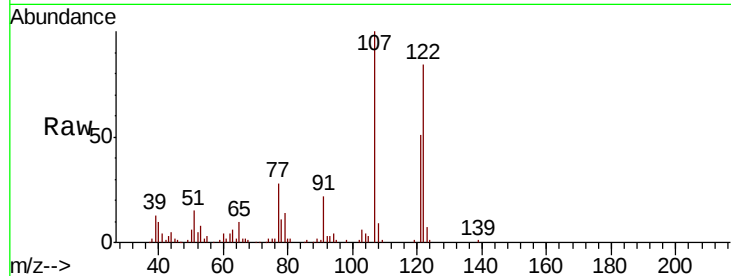




#27
 2,4-Dimethylphenol
 Concen: 19.614 ng
 RT: 10.04 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

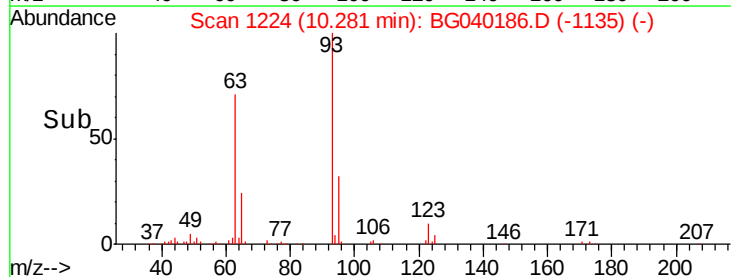
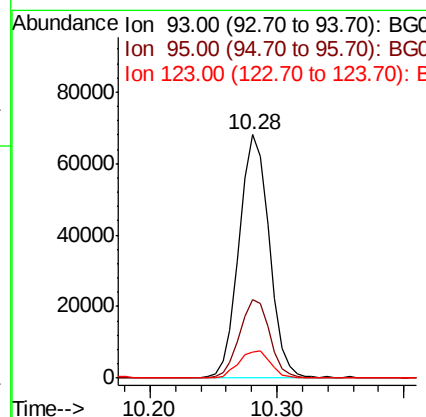
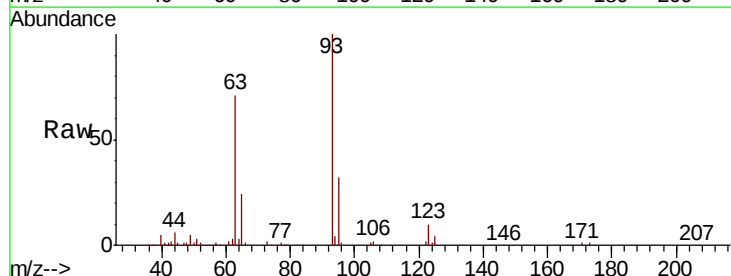
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

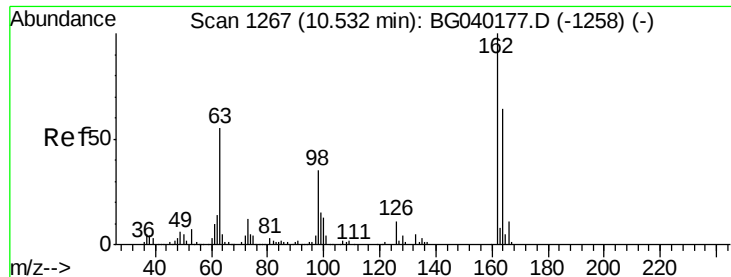
Tgt Ion:122 Resp: 67347
 Ion Ratio Lower Upper
 122 100
 107 118.4 97.4 146.2
 121 60.4 47.7 71.5



#28
 bis(2-Chloroethoxy)methane
 Concen: 20.937 ng
 RT: 10.28 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion: 93 Resp: 112282
 Ion Ratio Lower Upper
 93 100
 95 32.5 26.2 39.4
 123 10.4 9.4 14.0

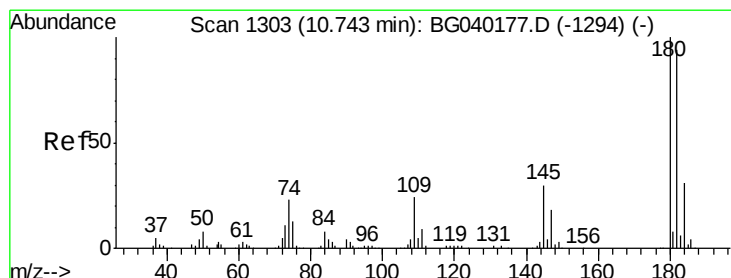
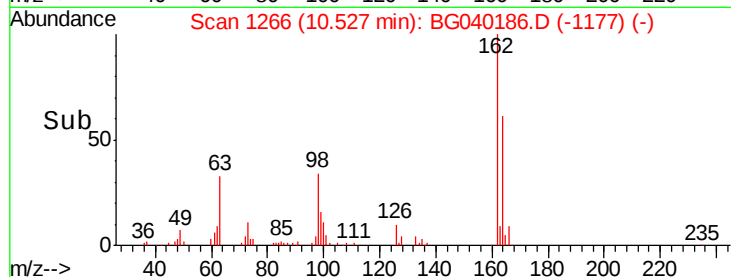
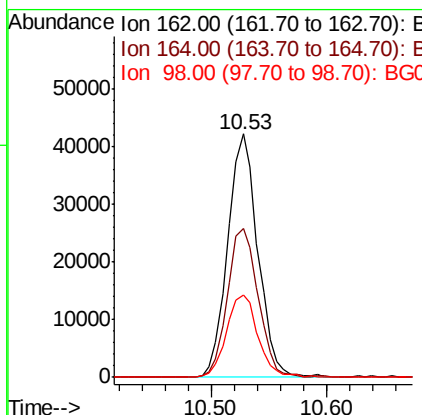
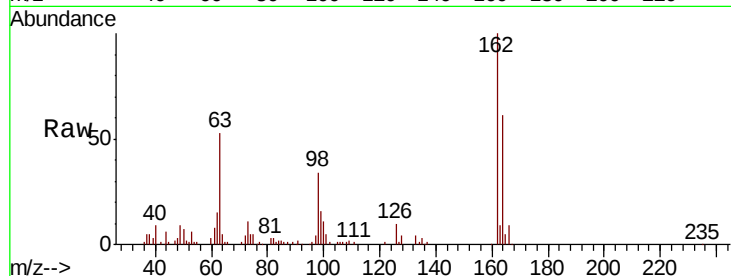




#29
2,4-Dichlorophenol
Concen: 20.504 ng
RT: 10.53 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

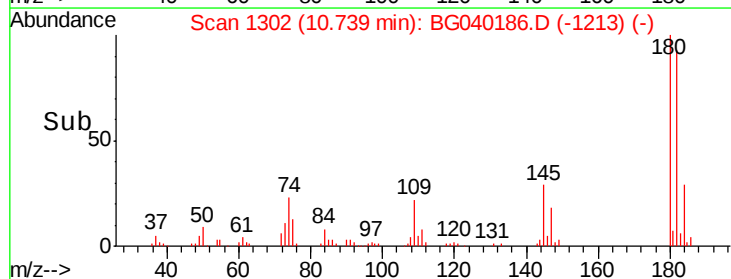
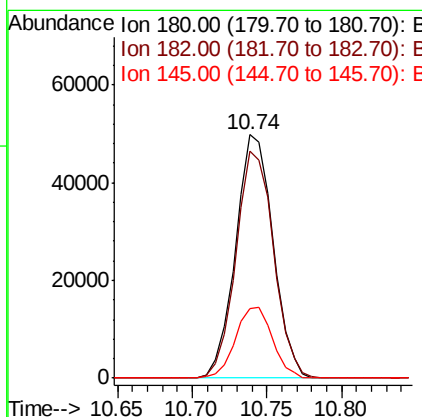
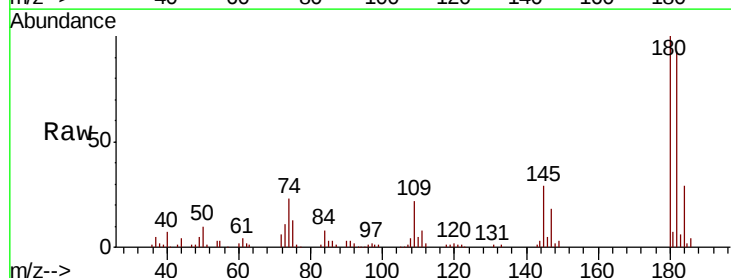
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:162 Resp: 76419
Ion Ratio Lower Upper
162 100
164 61.4 43.9 83.9
98 33.8 15.6 55.6



#30
1,2,4-Trichlorobenzene
Concen: 21.201 ng
RT: 10.74 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:180 Resp: 86760
Ion Ratio Lower Upper
180 100
182 93.1 75.1 112.7
145 28.8 24.1 36.1

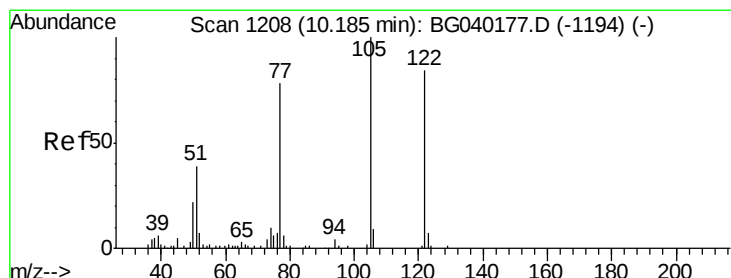
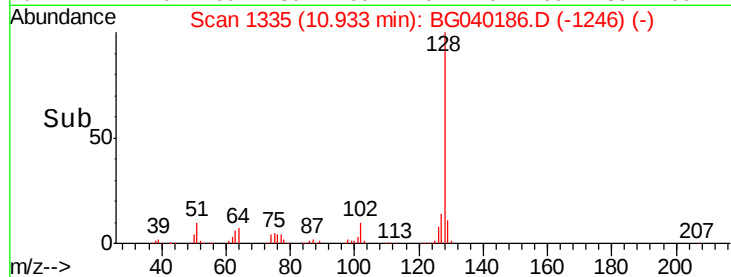
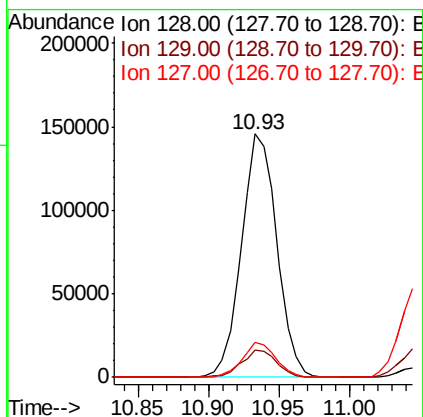
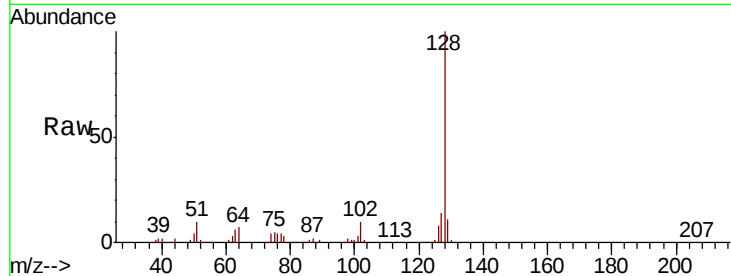




#31
Naphthalene
Concen: 21.326 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

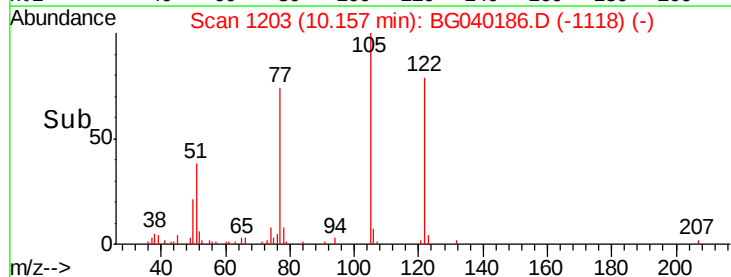
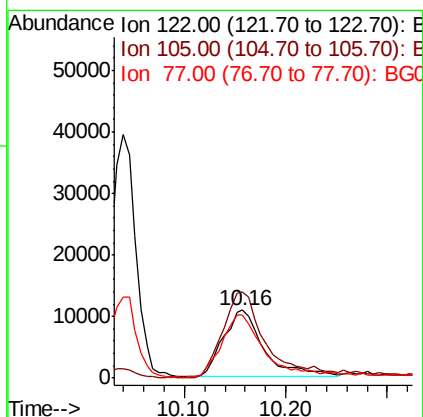
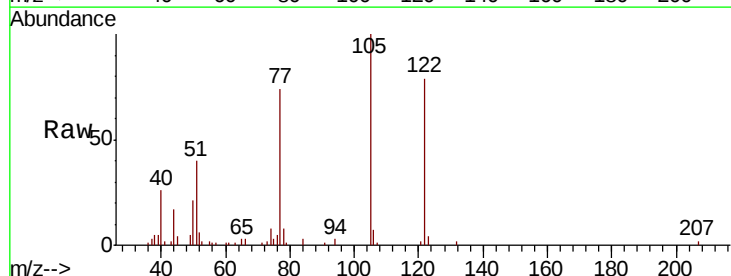
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:128 Resp: 255970
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 14.1 11.4 17.0



#32
Benzoic acid
Concen: 14.502 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.03 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:122 Resp: 30086
Ion Ratio Lower Upper
122 100
105 127.3 98.2 138.2
77 94.1 73.6 113.6

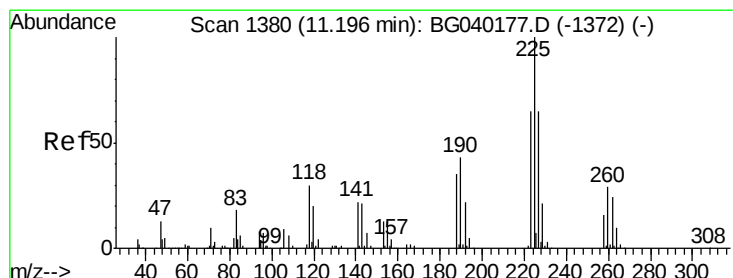
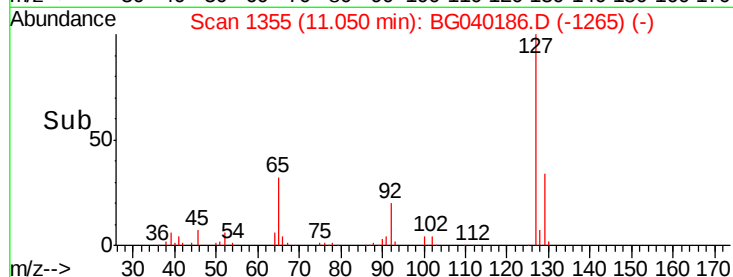
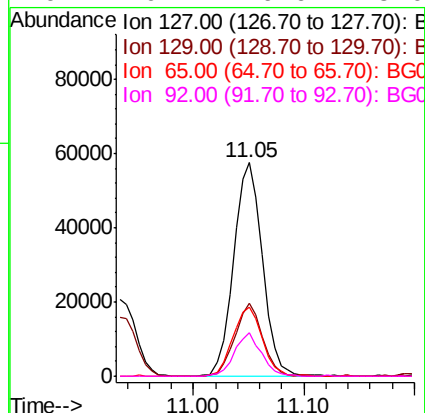
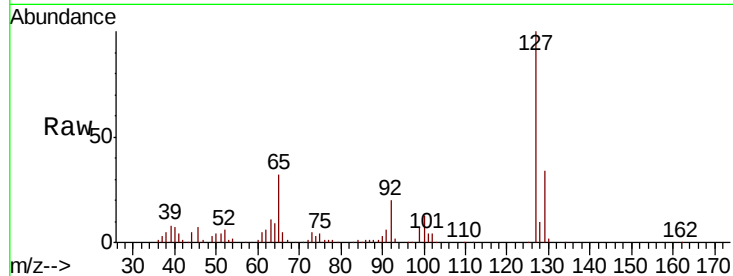




#33
4-Chloroaniline
Concen: 20.605 ng
RT: 11.05 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

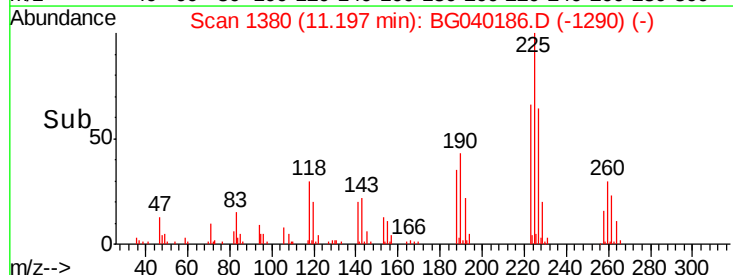
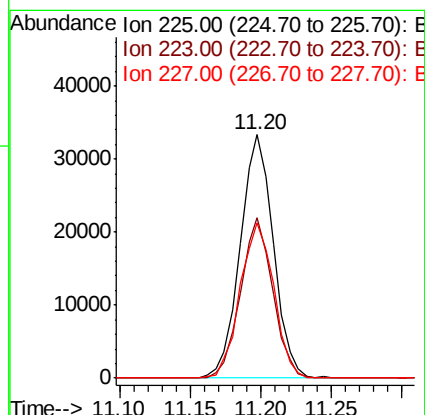
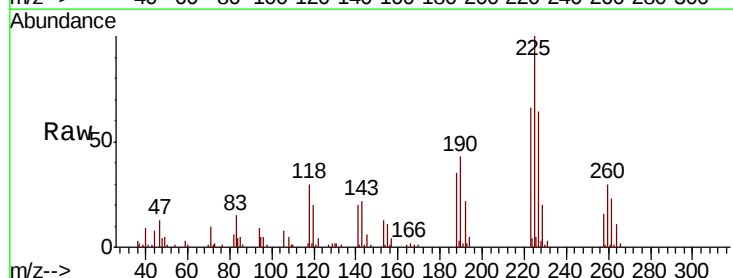
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

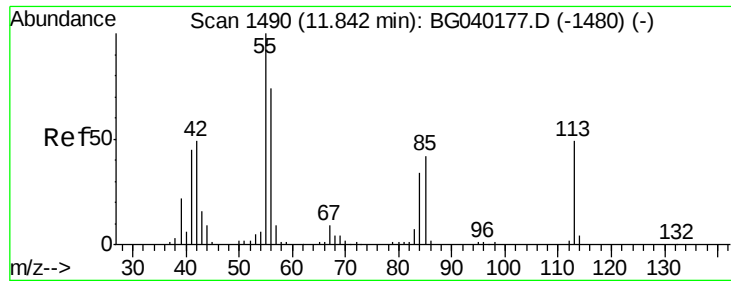
Tgt Ion:	127	Resp:	105494
Ion	Ratio	Lower	Upper
127	100		
129	34.4	26.6	40.0
65	32.3	27.0	40.4
92	20.1	16.6	25.0



#34
Hexachlorobutadiene
Concen: 20.867 ng
RT: 11.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:	225	Resp:	54613
Ion	Ratio	Lower	Upper
225	100		
223	65.8	51.8	77.8
227	64.0	54.9	82.3

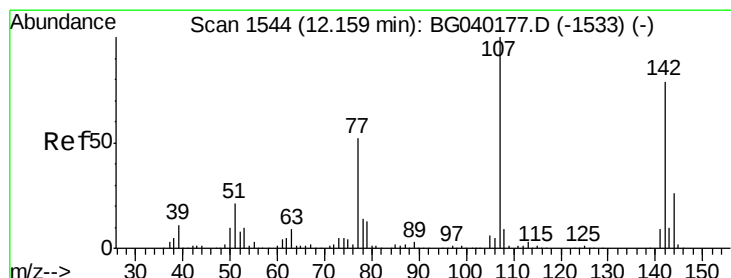
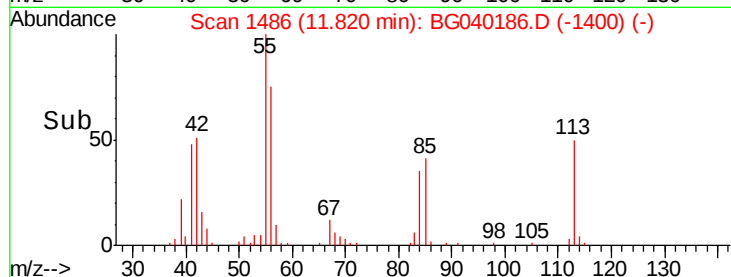
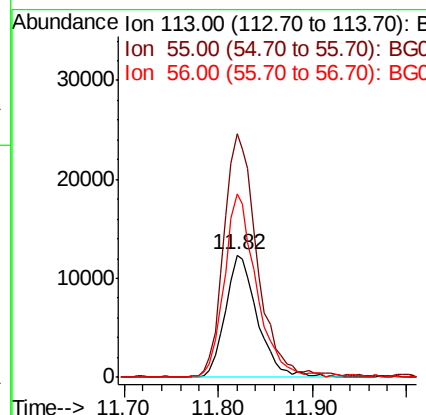
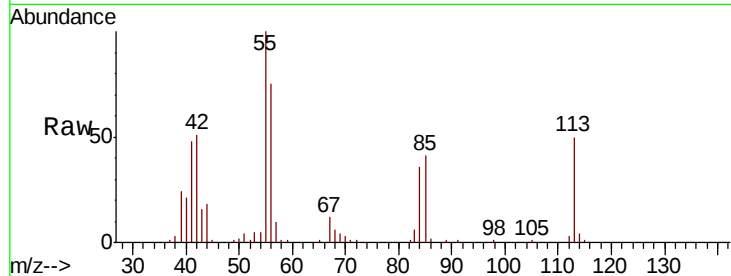




#35
 Caprolactam
 Concen: 19.802 ng
 RT: 11.82 min Scan# 1486
 Delta R.T. -0.02 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

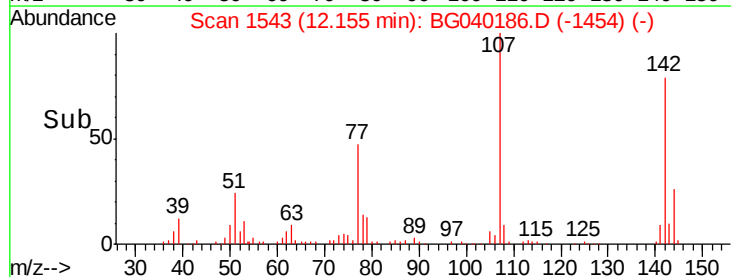
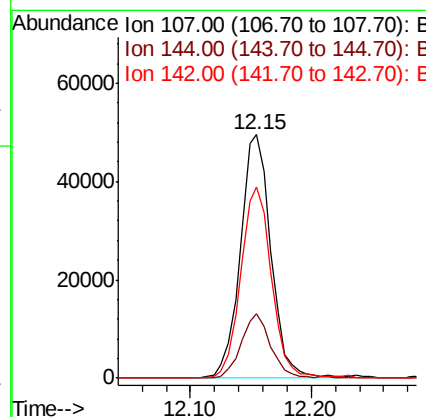
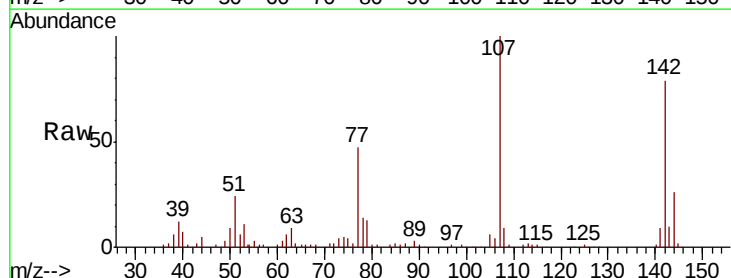
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

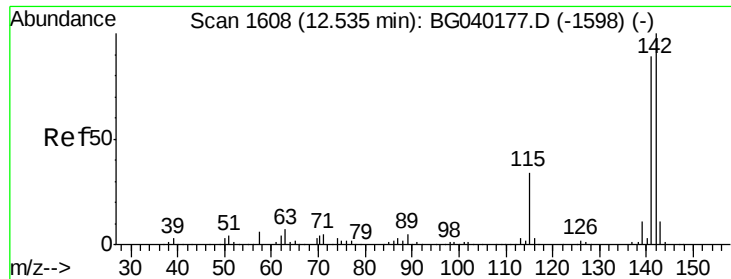
Tgt Ion:113 Resp: 29287
 Ion Ratio Lower Upper
 113 100
 55 199.6 184.2 224.2
 56 150.3 131.3 171.3



#36
 4-Chloro-3-methylphenol
 Concen: 20.441 ng
 RT: 12.15 min Scan# 1543
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:107 Resp: 87580
 Ion Ratio Lower Upper
 107 100
 144 26.2 20.5 30.7
 142 78.8 63.1 94.7

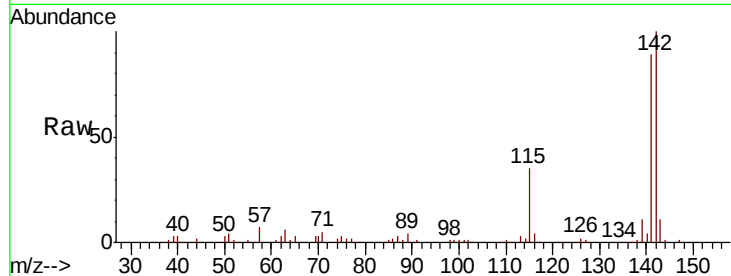




#37
2-Methylnaphthalene
Concen: 21.124 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.0	106.6
115	34.7	27.3	40.9

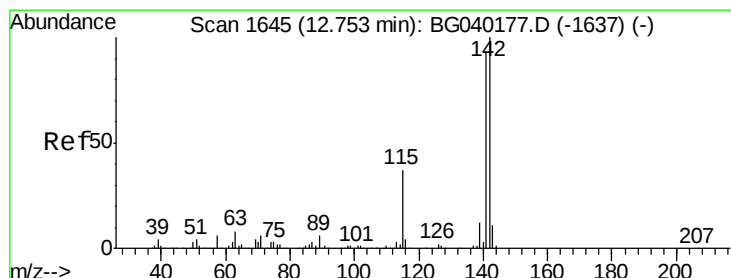
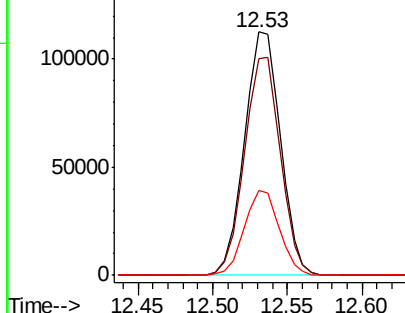
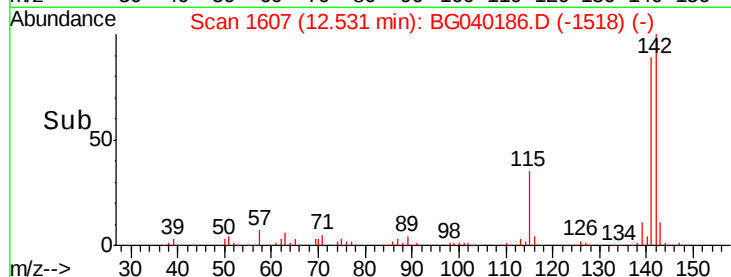


Abundance

Ion 142.00 (141.70 to 142.70): E

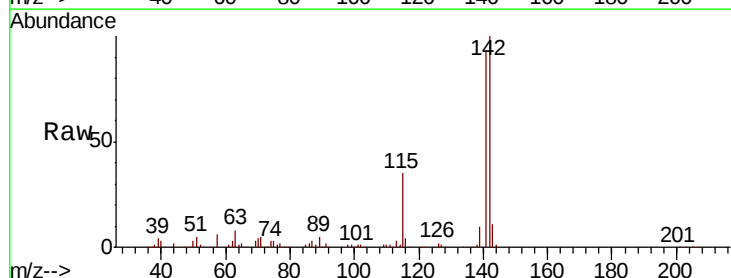
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 21.229 ng
RT: 12.75 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.2	111.4
116	3.5	3.0	4.4

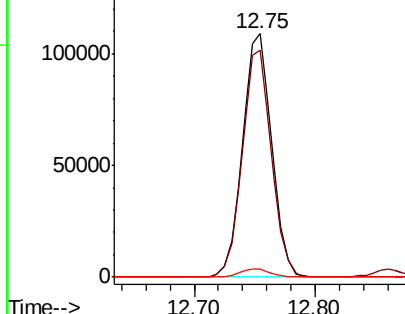
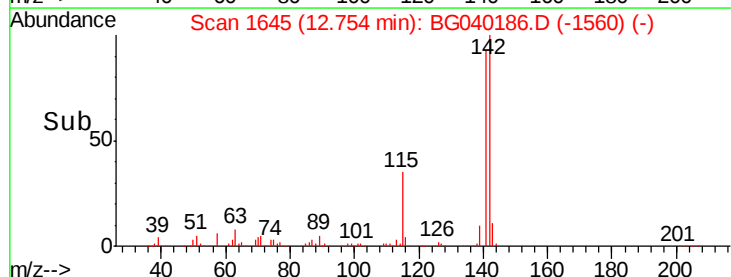


Abundance

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: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

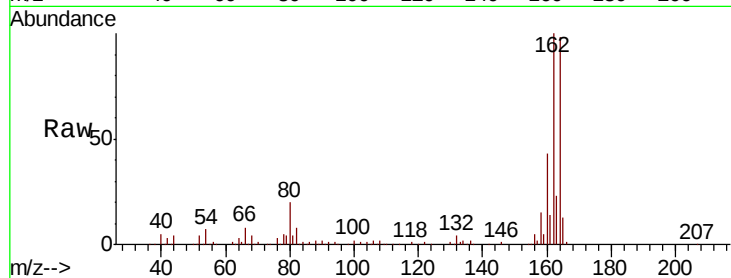
Tgt Ion:164 Resp: 140747

Ion Ratio Lower Upper

164 100

162 101.7 77.4 116.2

160 43.9 35.3 52.9

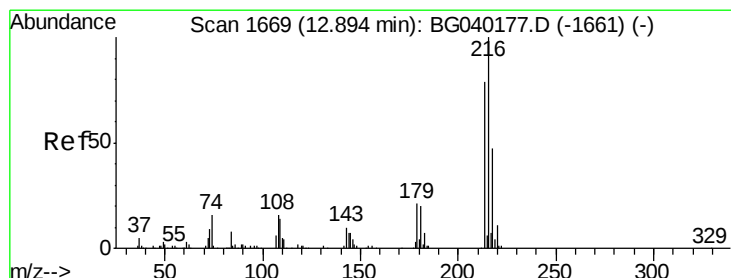
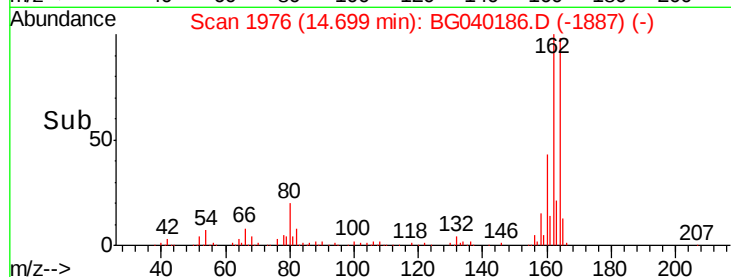
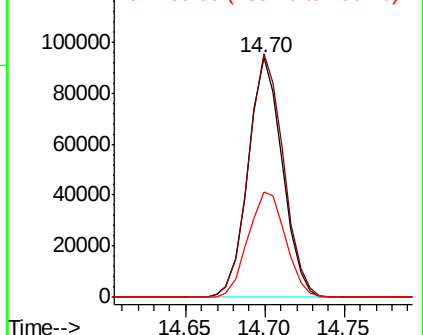


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 22.096 ng

RT: 12.90 min Scan# 1669

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Tgt Ion:216 Resp: 98843

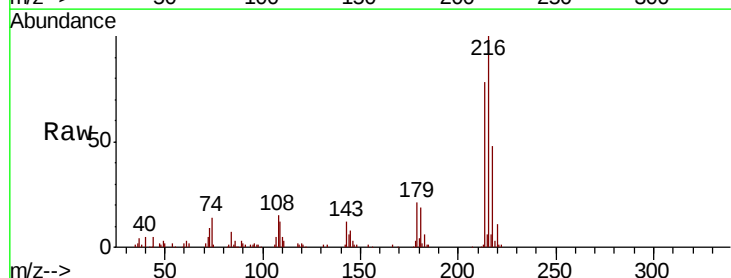
Ion Ratio Lower Upper

216 100

214 78.3 63.5 95.3

179 20.4 16.6 25.0

108 16.3 13.8 20.8



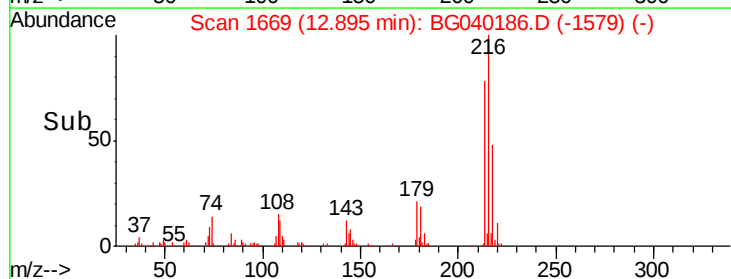
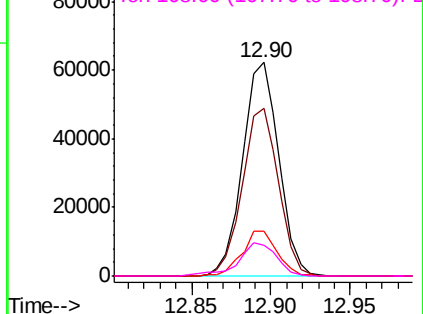
Abundance

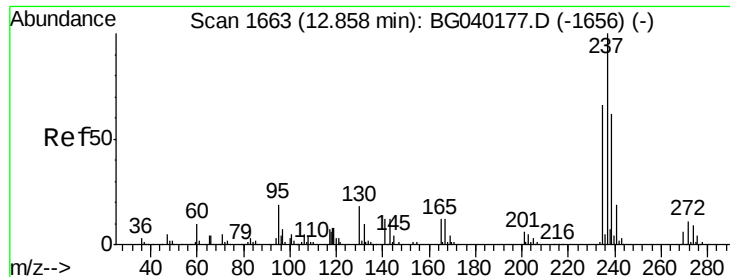
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 19.425 ng

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

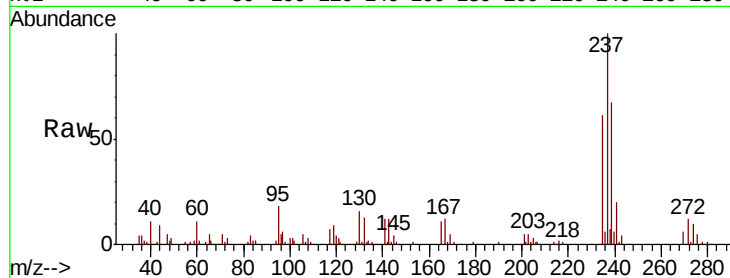
Tgt Ion: 237 Resp: 47712

Ion Ratio Lower Upper

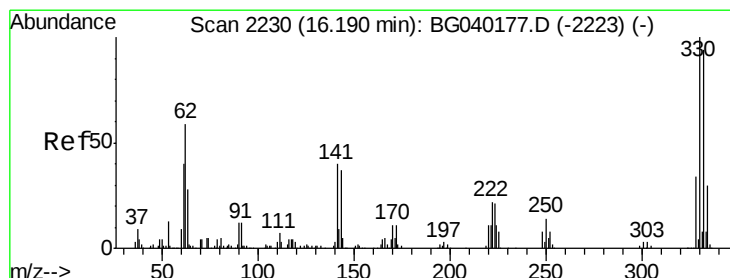
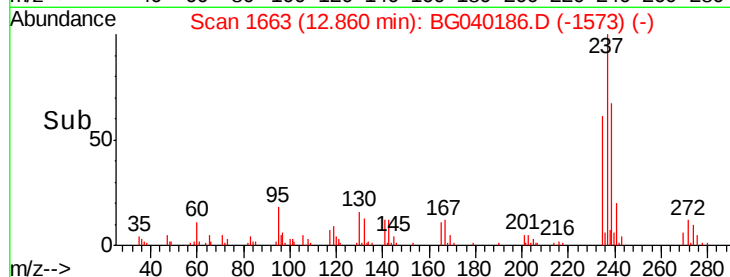
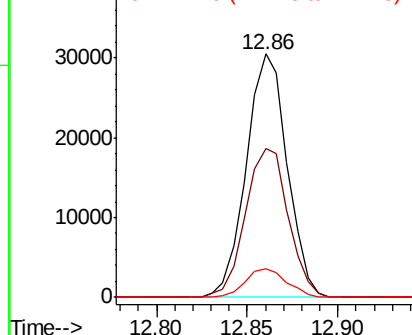
237 100

235 61.4 46.2 86.2

272 11.6 0.0 30.5



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: 139.784 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

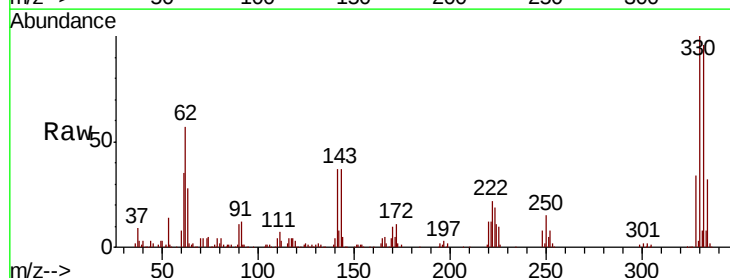
Tgt Ion: 330 Resp: 212627

Ion Ratio Lower Upper

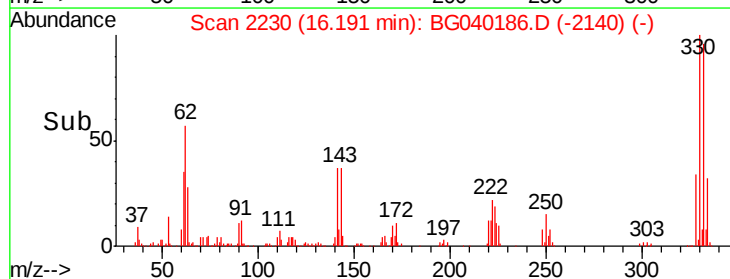
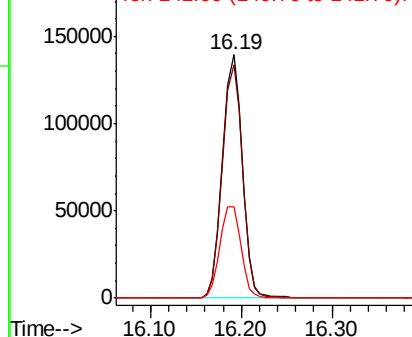
330 100

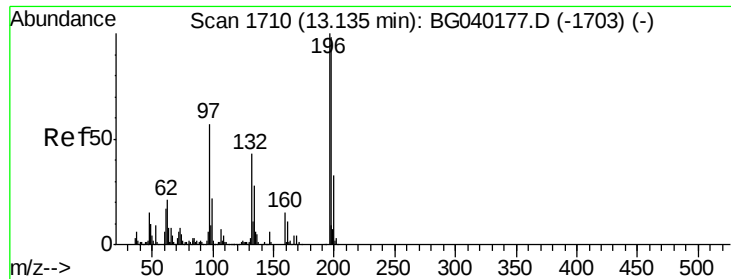
332 97.3 76.6 115.0

141 39.8 32.6 48.8



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

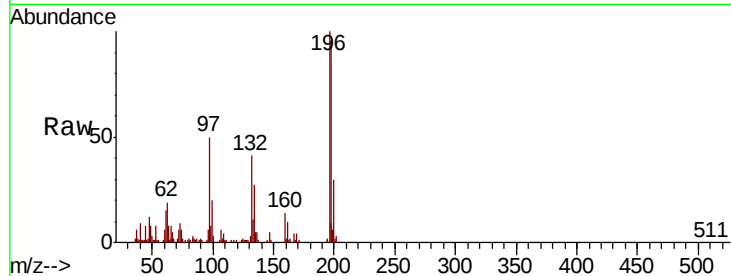




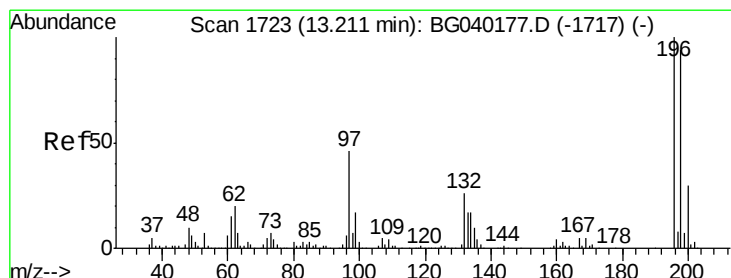
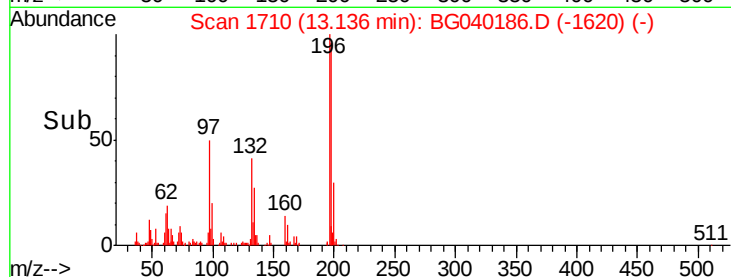
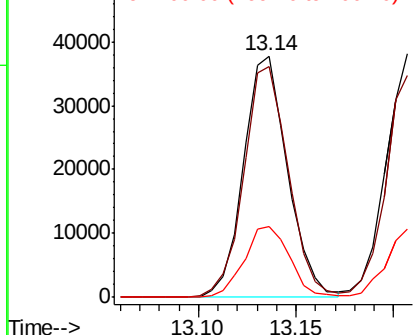
#43
 2,4,6-Trichlorophenol
 Concen: 20.438 ng
 RT: 13.14 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:196 Resp: 58947
 Ion Ratio Lower Upper
 196 100
 198 95.8 78.3 117.5
 200 29.5 26.0 39.0

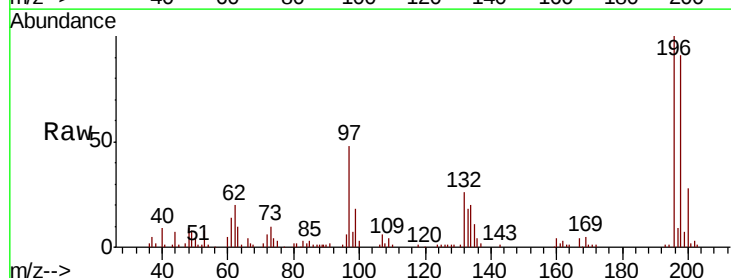


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

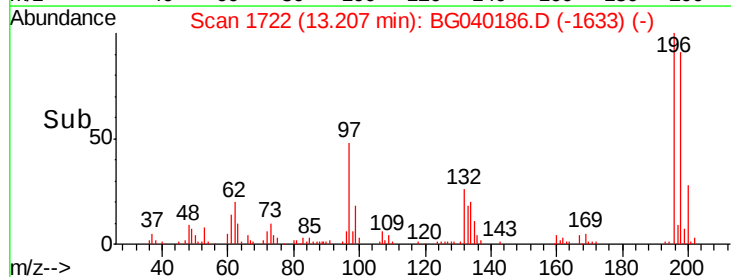
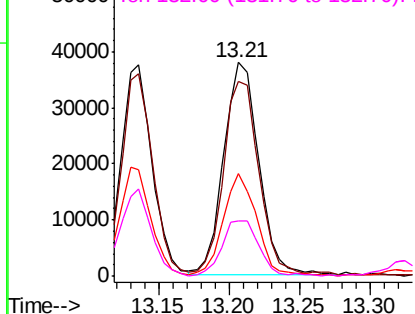


#44
 2,4,5-Trichlorophenol
 Concen: 20.884 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:196 Resp: 65653
 Ion Ratio Lower Upper
 196 100
 198 91.0 75.0 112.6
 97 48.2 37.3 55.9
 132 26.0 20.9 31.3



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E





#45

2-Fluorobiphenyl

Concen: 86.510 ng

RT: 13.32 min Scan# 1742

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

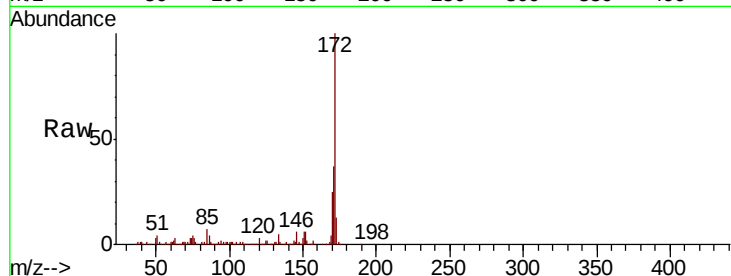
Tgt Ion:172 Resp: 821729

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

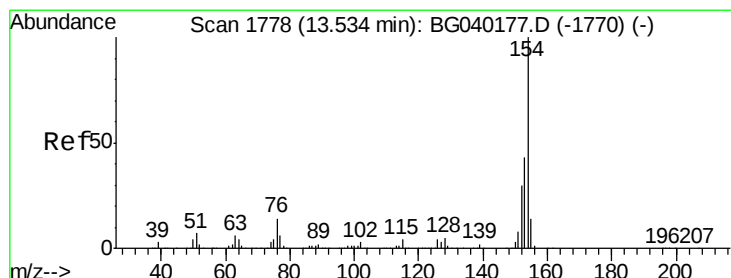
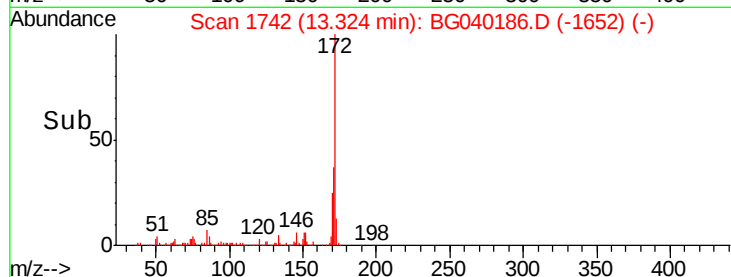
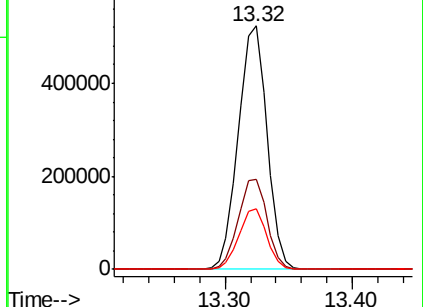
170 25.1 20.1 30.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 21.765 ng

RT: 13.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

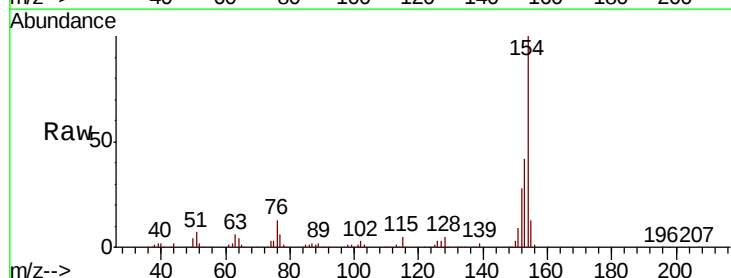
Tgt Ion:154 Resp: 242046

Ion Ratio Lower Upper

154 100

153 42.1 22.5 62.5

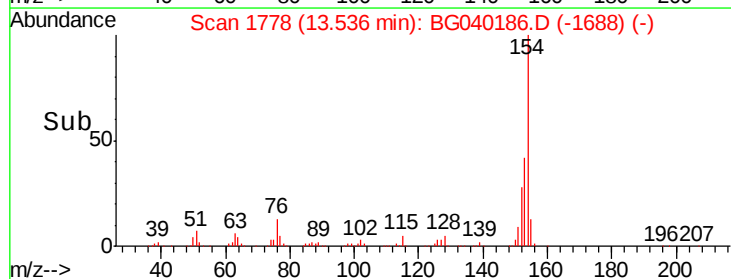
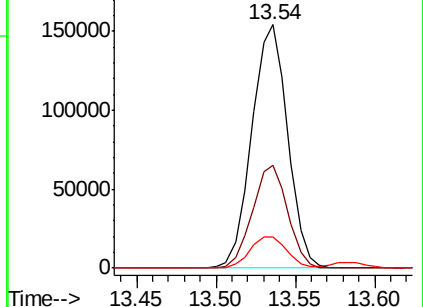
76 12.7 0.0 33.7

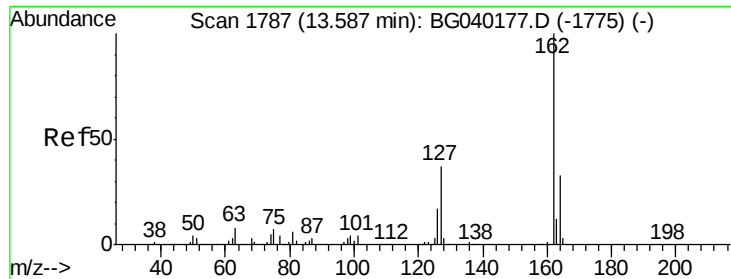


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

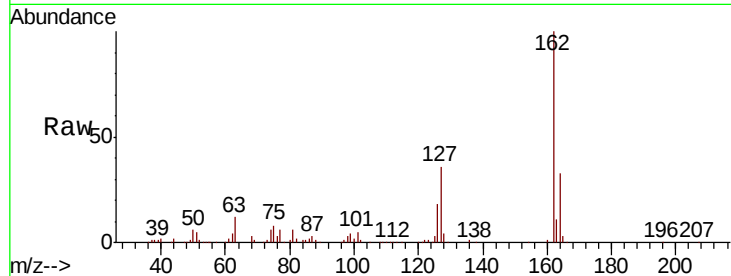




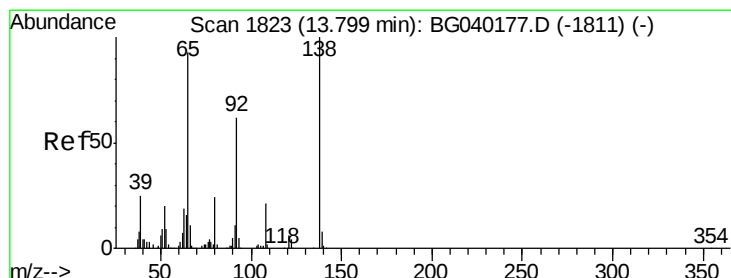
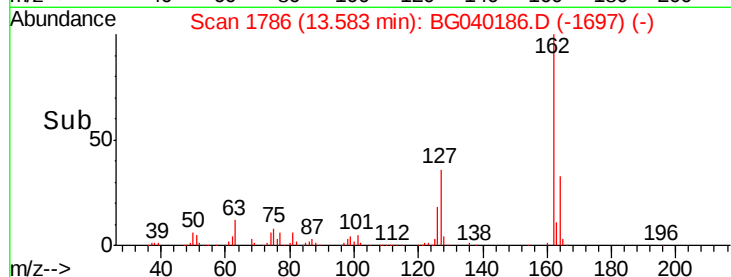
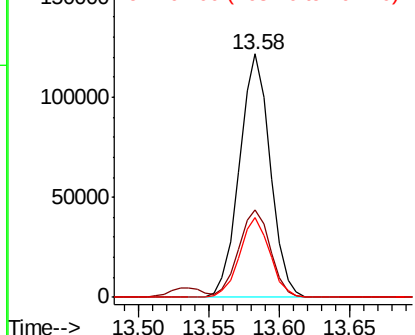
#47
2-Chloronaphthalene
Concen: 21.669 ng
RT: 13.58 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion: 162 Resp: 184846
Ion Ratio Lower Upper
162 100
127 35.8 30.6 45.8
164 32.7 26.2 39.4

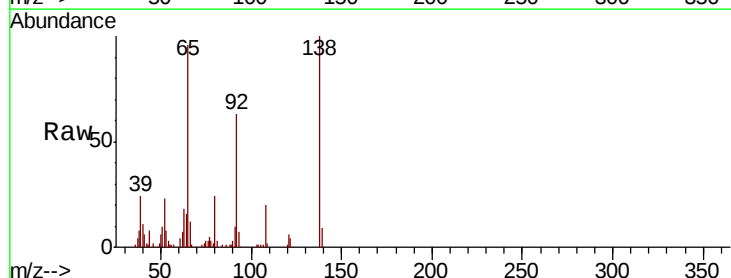


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

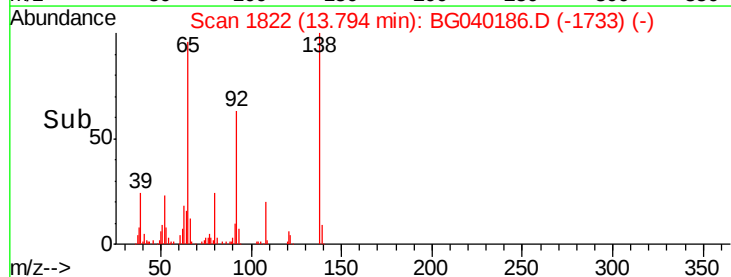
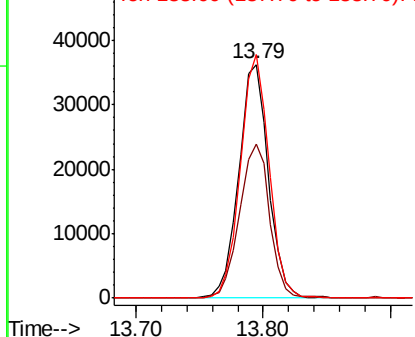


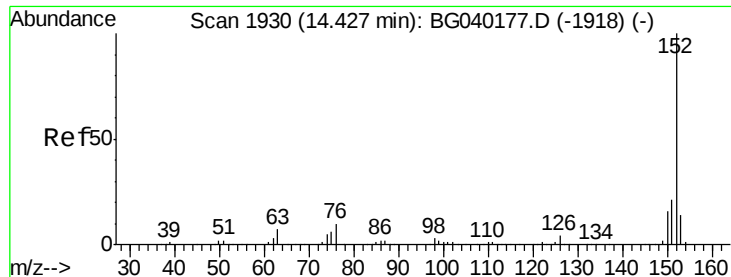
#48
2-Nitroaniline
Concen: 20.343 ng
RT: 13.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion: 65 Resp: 58533
Ion Ratio Lower Upper
65 100
92 66.1 53.8 80.6
138 104.2 86.3 129.5



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





#49

Acenaphthylene

Concen: 21.833 ng

RT: 14.43 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

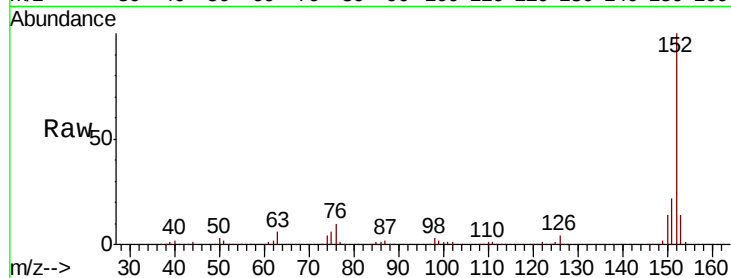
Tgt Ion:152 Resp: 315772

Ion Ratio Lower Upper

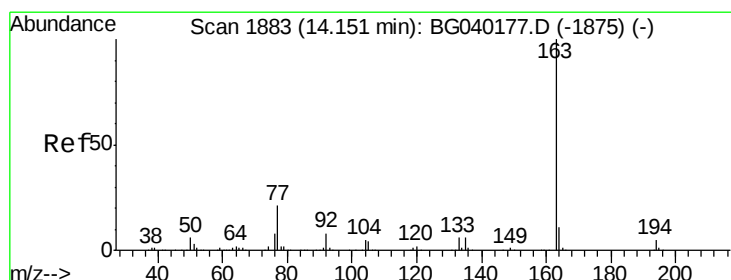
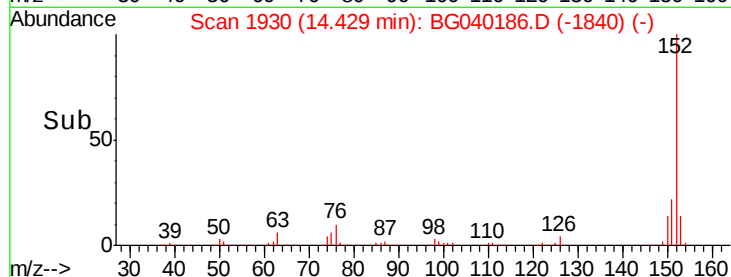
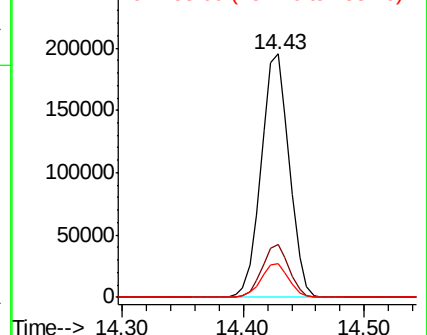
152 100

151 21.6 17.0 25.6

153 13.8 10.8 16.2



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: 21.749 ng

RT: 14.15 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

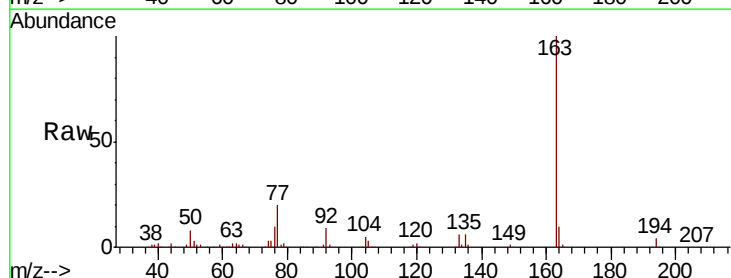
Tgt Ion:163 Resp: 239570

Ion Ratio Lower Upper

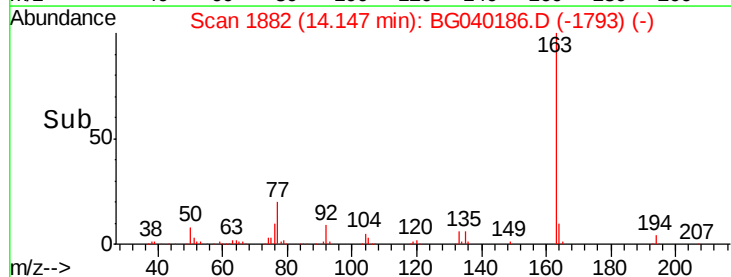
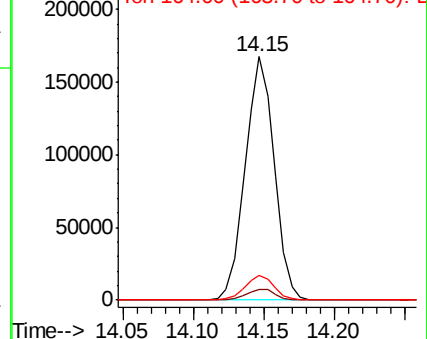
163 100

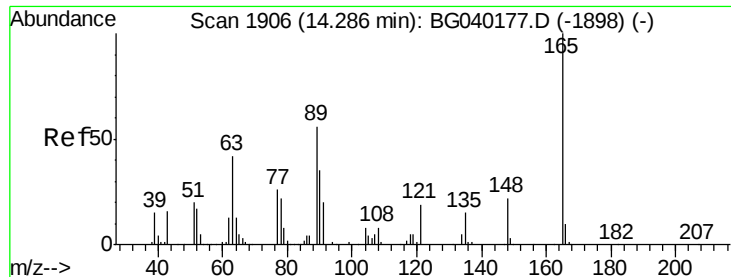
194 4.2 4.1 6.1

164 10.3 8.6 13.0



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

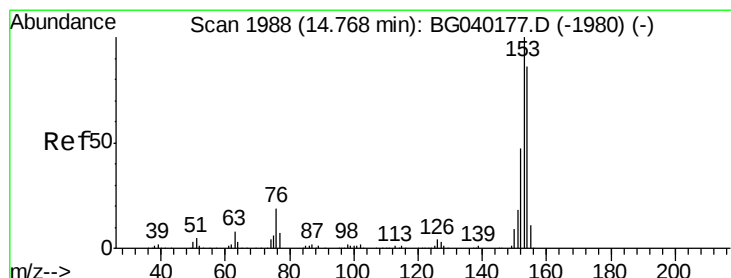
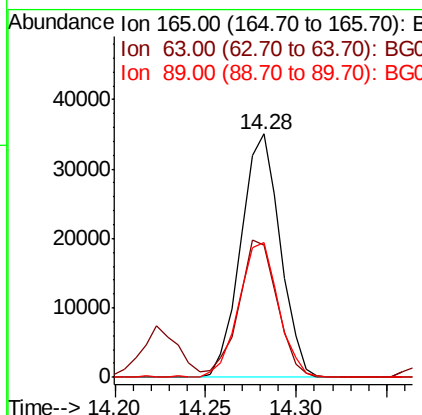
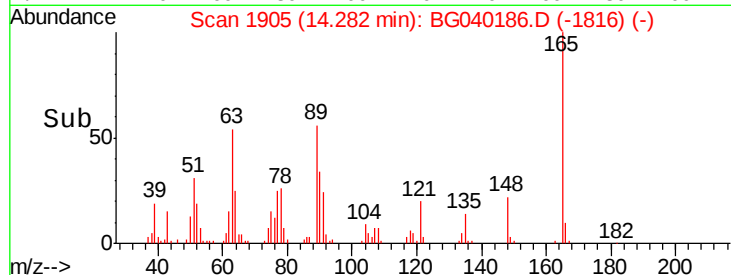
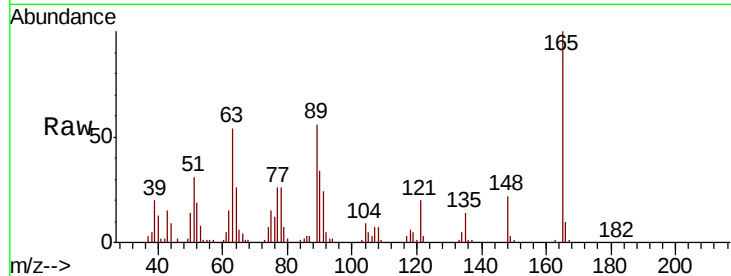




#51
 2,6-Dinitrotoluene
 Concen: 21.354 ng
 RT: 14.28 min Scan# 1905
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

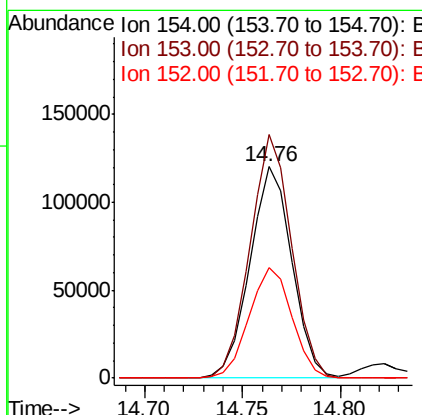
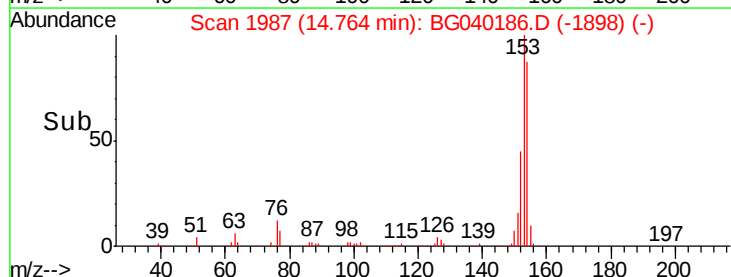
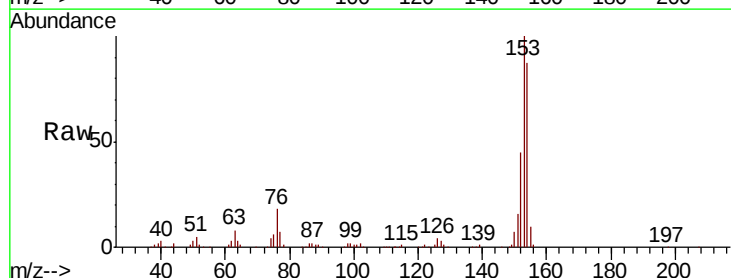
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:165 Resp: 52816
 Ion Ratio Lower Upper
 165 100
 63 54.2 44.1 66.1
 89 55.6 44.9 67.3



#52
 Acenaphthene
 Concen: 21.599 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:154 Resp: 179005
 Ion Ratio Lower Upper
 154 100
 153 115.2 92.8 139.2
 152 52.1 43.4 65.2

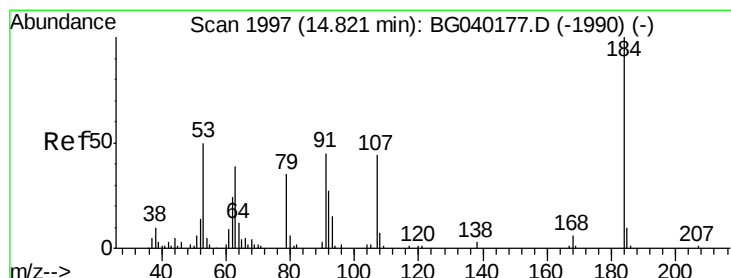
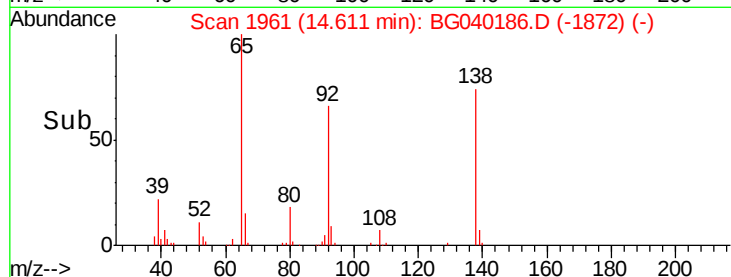
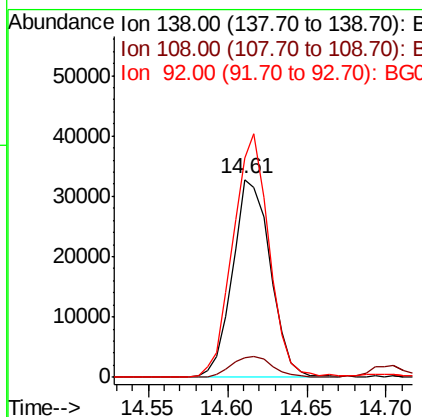
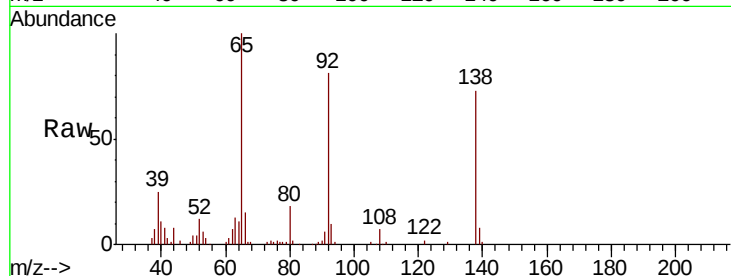




#53
3-Nitroaniline
Concen: 20.739 ng
RT: 14.61 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

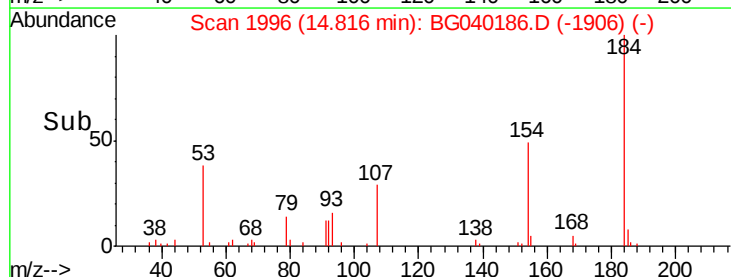
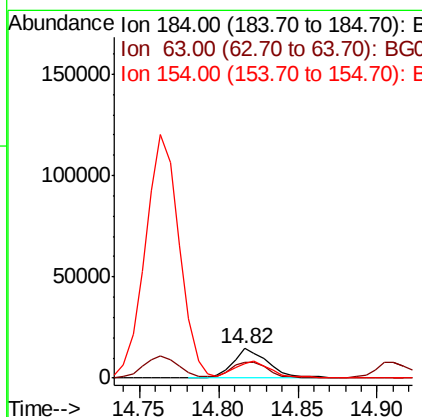
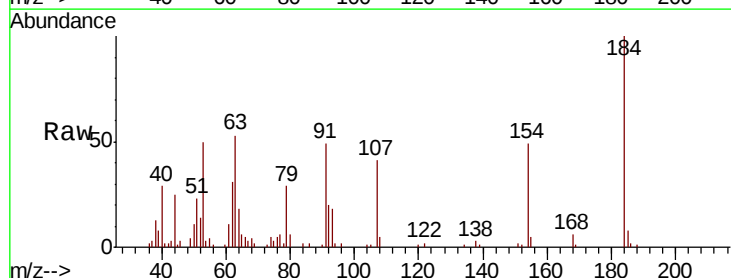
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

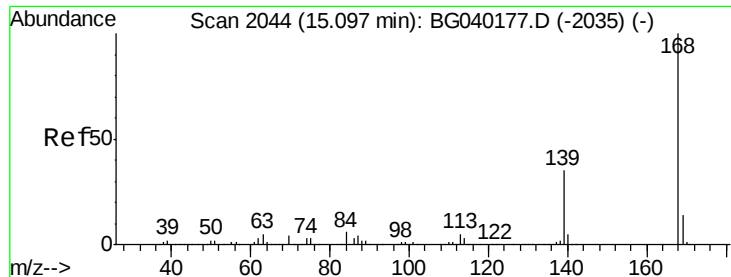
Tgt Ion:138 Resp: 54296
Ion Ratio Lower Upper
138 100
108 9.9 7.8 11.8
92 110.7 87.5 131.3



#54
2,4-Dinitrophenol
Concen: 17.225 ng
RT: 14.82 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:184 Resp: 22658
Ion Ratio Lower Upper
184 100
63 52.9 51.8 77.8
154 49.4 50.9 76.3#

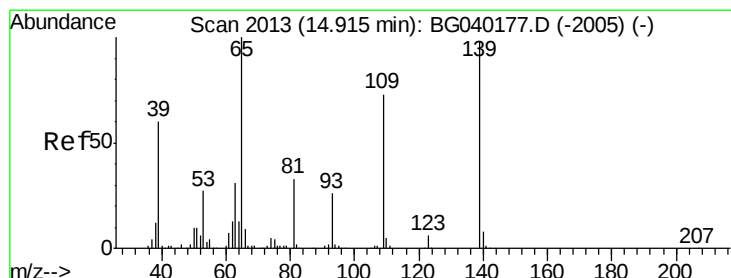
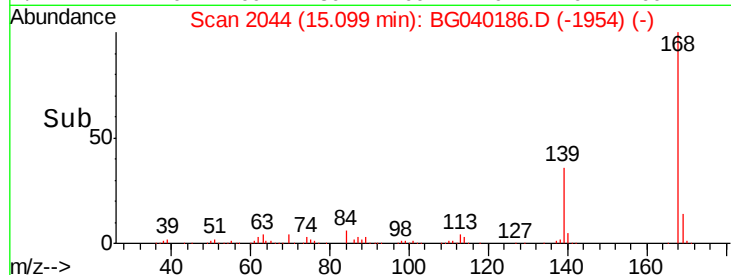
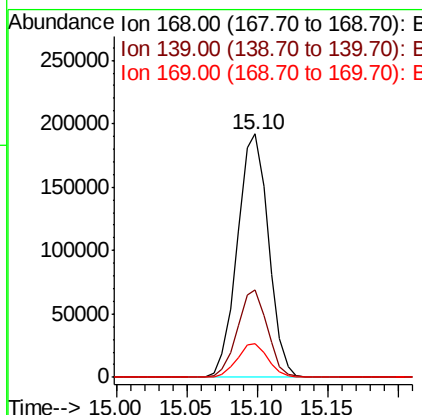
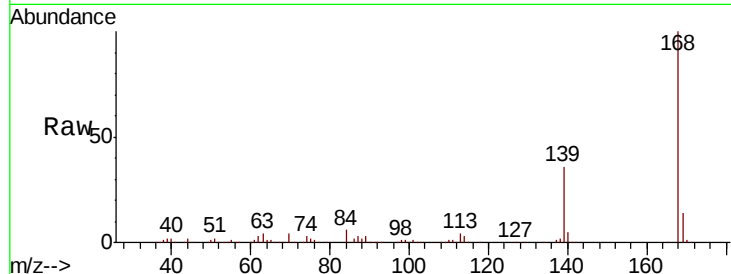




#55
Dibenzenofuran
Concen: 22.178 ng
RT: 15.10 min Scan# 2044
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

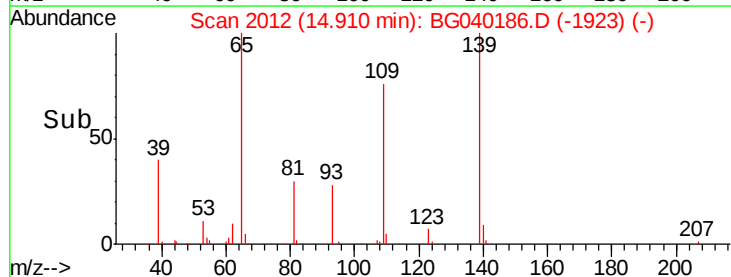
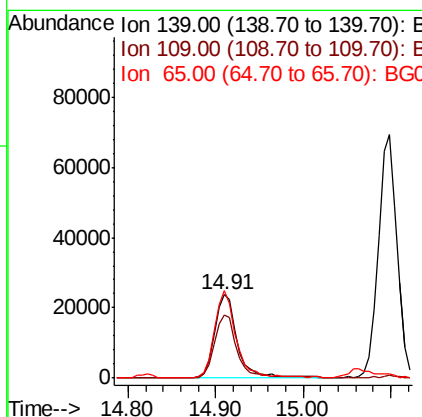
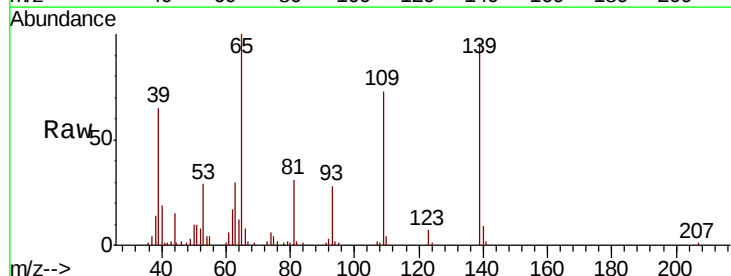
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

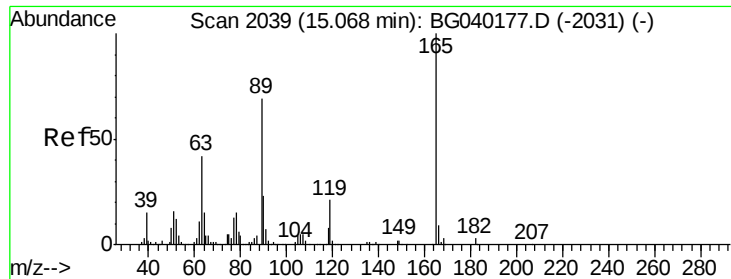
Tgt Ion:168 Resp: 295347
Ion Ratio Lower Upper
168 100
139 36.1 27.9 41.9
169 13.7 11.3 16.9



#56
4-Nitrophenol
Concen: 20.158 ng
RT: 14.91 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:139 Resp: 42594
Ion Ratio Lower Upper
139 100
109 76.0 54.3 94.3
65 104.1 82.5 122.5

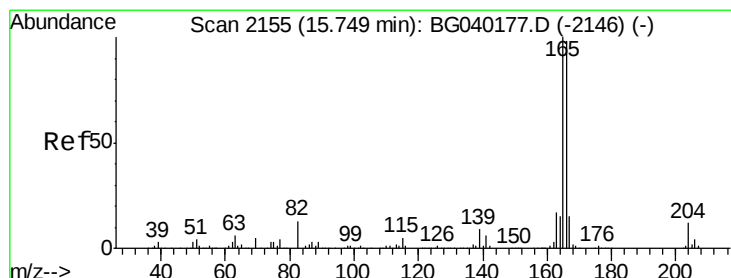
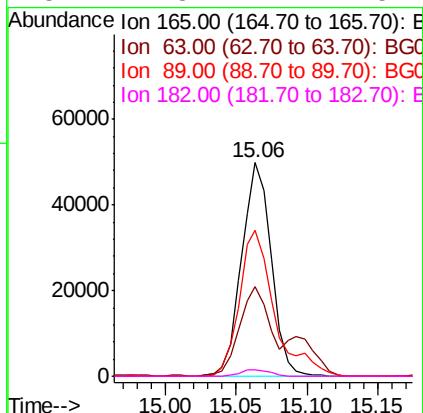
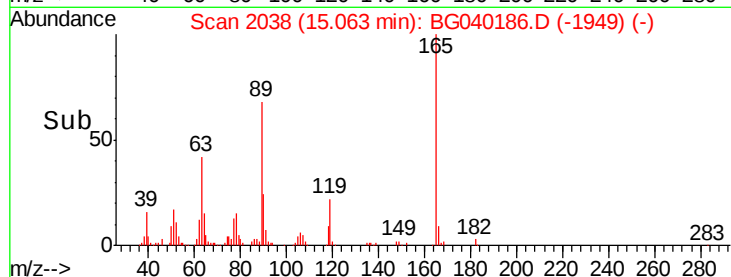
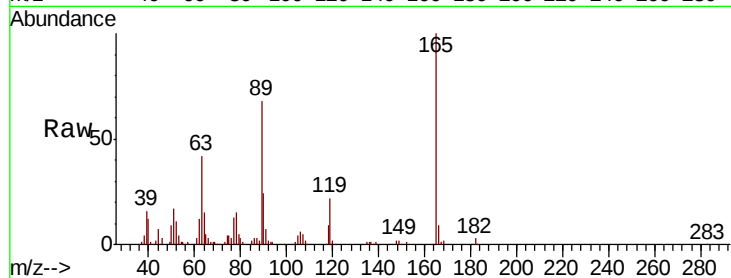




#57
2,4-Dinitrotoluene
Concen: 21.307 ng
RT: 15.06 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

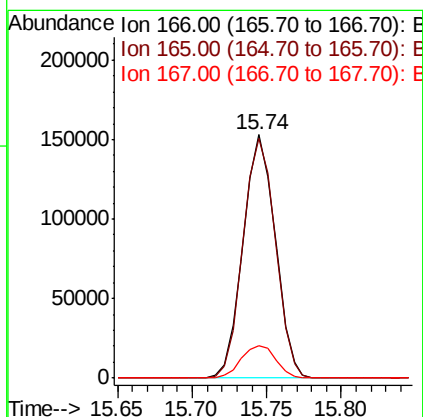
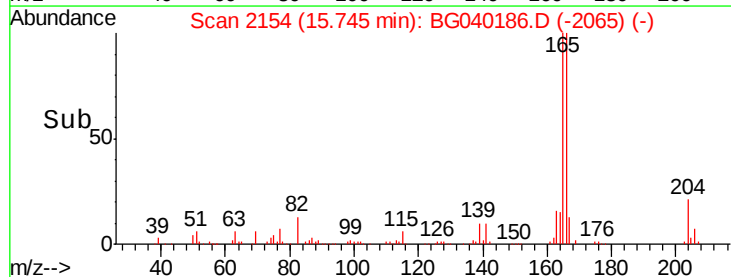
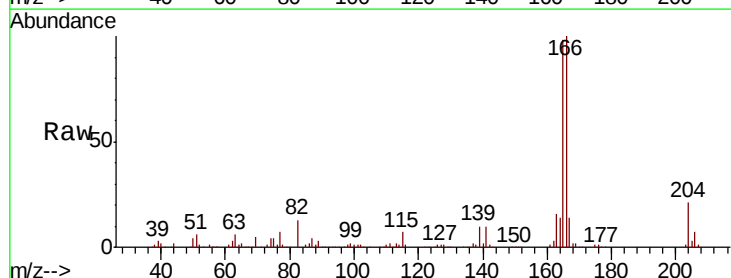
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

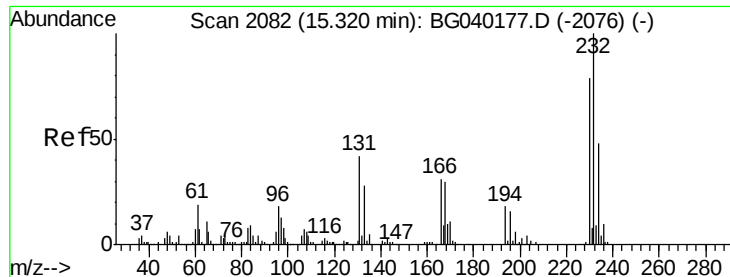
Tgt Ion:165 Resp: 73226
Ion Ratio Lower Upper
165 100
63 42.0 33.8 50.6
89 68.1 55.4 83.2
182 2.8 2.2 3.4



#58
Fluorene
Concen: 21.874 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:166 Resp: 229017
Ion Ratio Lower Upper
166 100
165 98.5 81.7 122.5
167 13.6 11.9 17.9

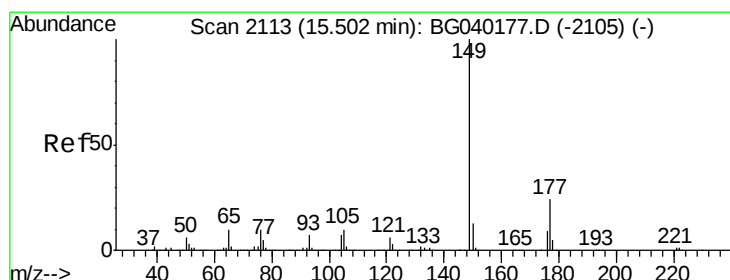
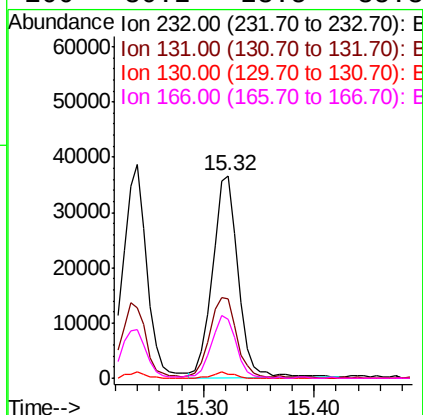
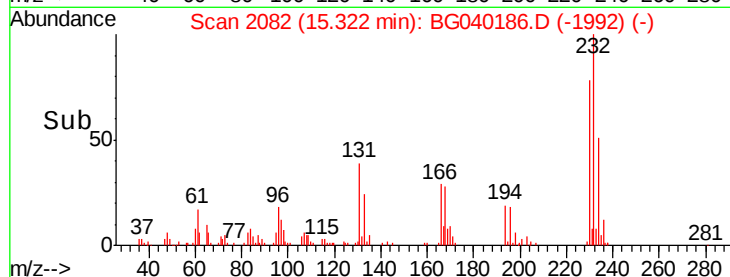
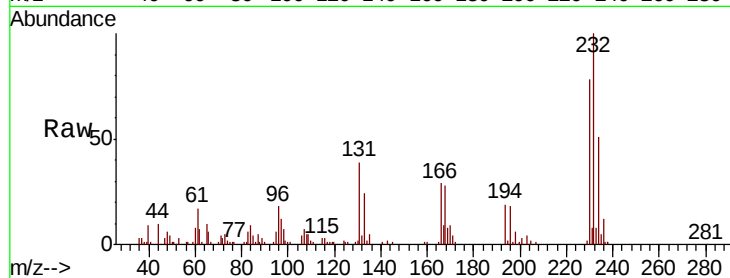




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.375 ng
RT: 15.32 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

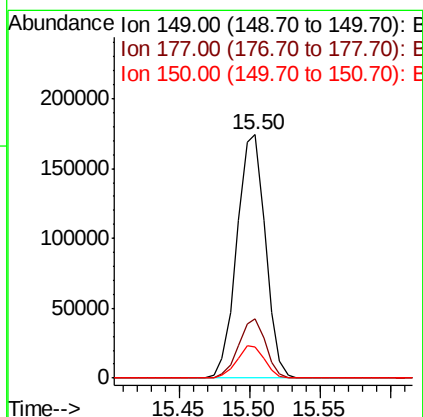
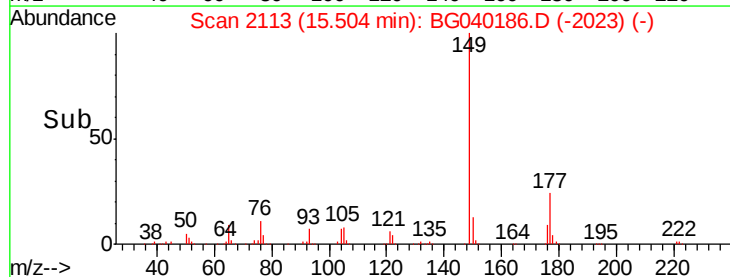
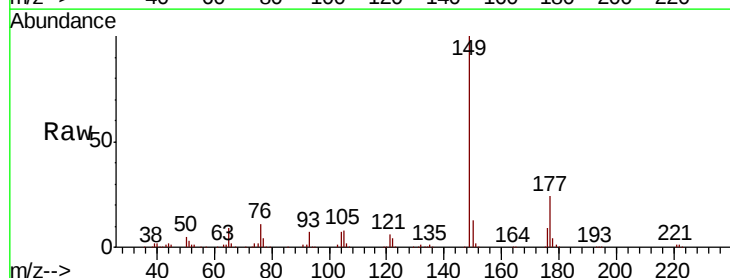
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

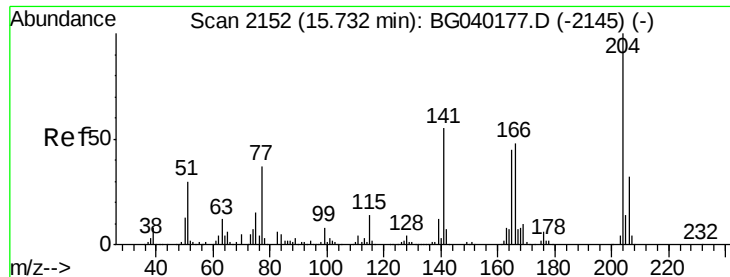
Tgt Ion:232 Resp: 58123
Ion Ratio Lower Upper
232 100
131 41.1 32.9 49.3
130 2.5 1.8 2.8
166 30.2 23.5 35.3



#60
Diethylphthalate
Concen: 21.757 ng
RT: 15.50 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:149 Resp: 245248
Ion Ratio Lower Upper
149 100
177 24.2 19.1 28.7
150 12.8 10.6 15.8

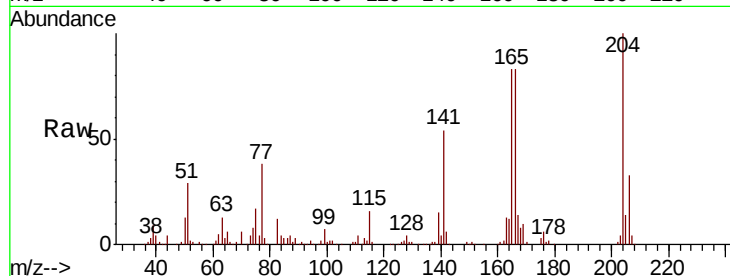




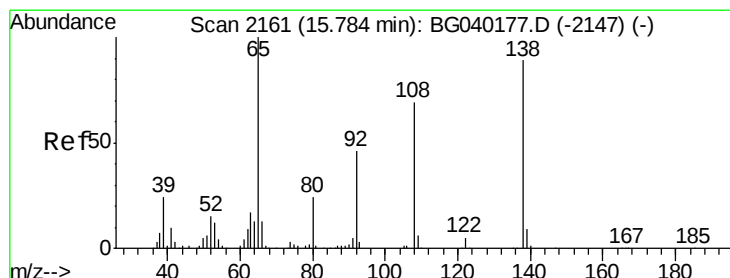
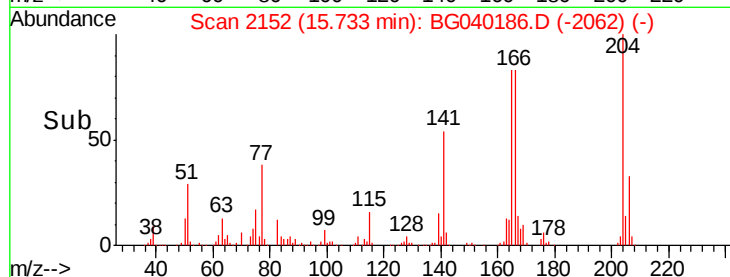
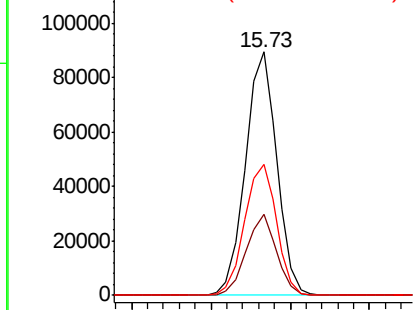
#61
 4-Chlorophenyl-phenylether
 Concen: 21.883 ng
 RT: 15.73 min Scan# 2152
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion: 204 Resp: 122471
 Ion Ratio Lower Upper
 204 100
 206 33.5 25.7 38.5
 141 54.0 44.0 66.0

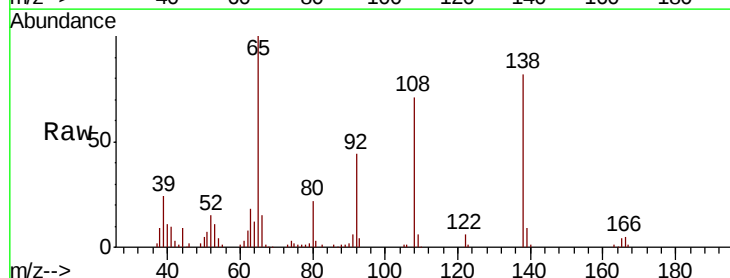


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

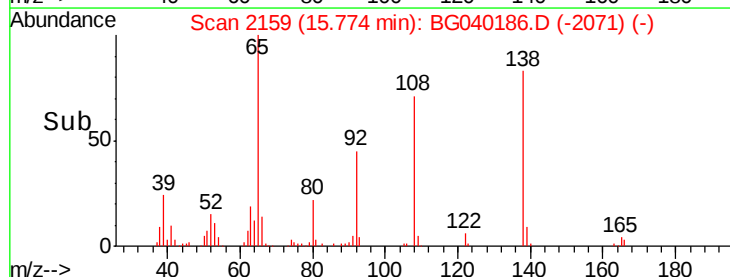
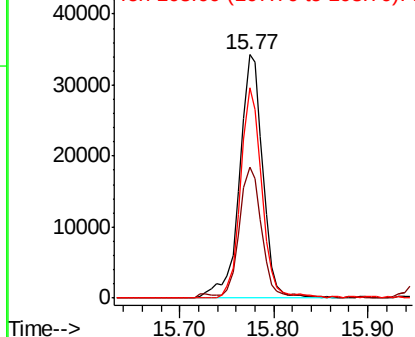


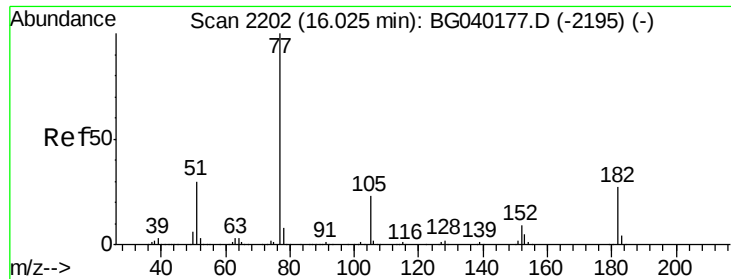
#62
 4-Nitroaniline
 Concen: 20.889 ng
 RT: 15.77 min Scan# 2159
 Delta R.T. -0.01 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion: 138 Resp: 58691
 Ion Ratio Lower Upper
 138 100
 92 53.9 31.8 71.8
 108 86.5 57.2 97.2



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





#63

Azobenzene

Concen: 21.466 ng

RT: 16.03 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion: 77 Resp: 228236

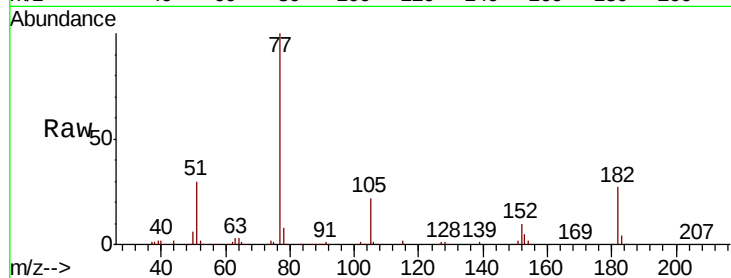
Ion Ratio Lower Upper

77 100

182 27.3 7.2 47.2

105 22.0 2.8 42.8

51 30.5 10.4 50.4

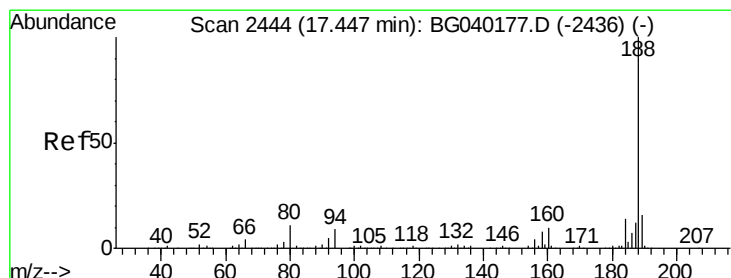
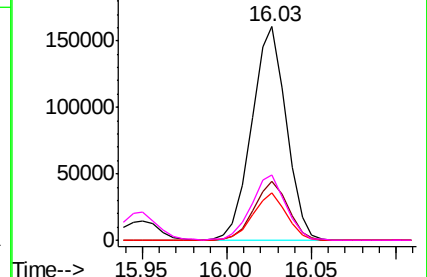
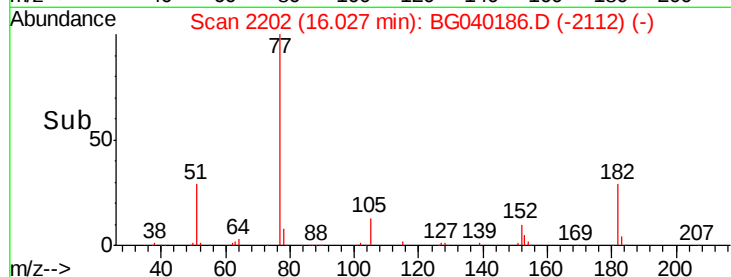


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.45 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

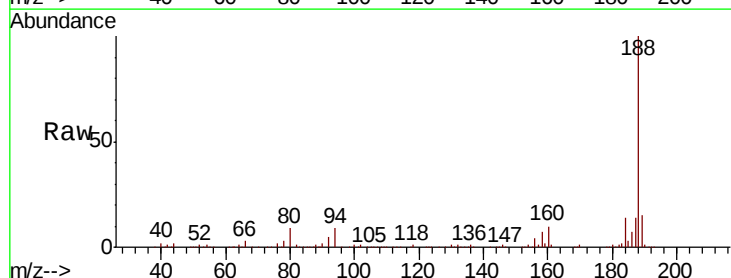
Tgt Ion: 188 Resp: 330794

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

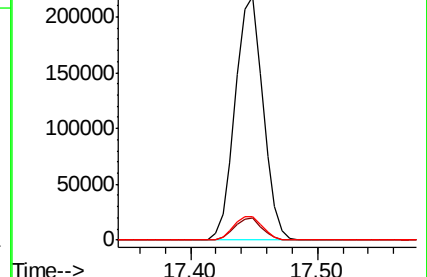
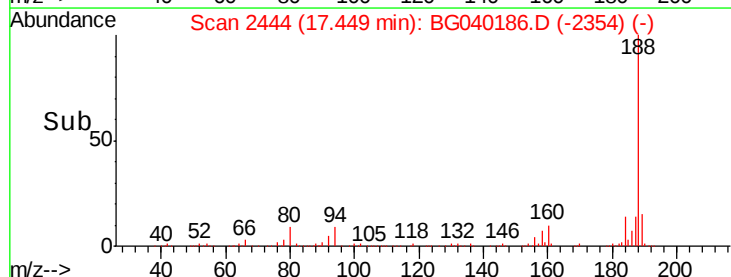
80 9.4 8.6 13.0



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

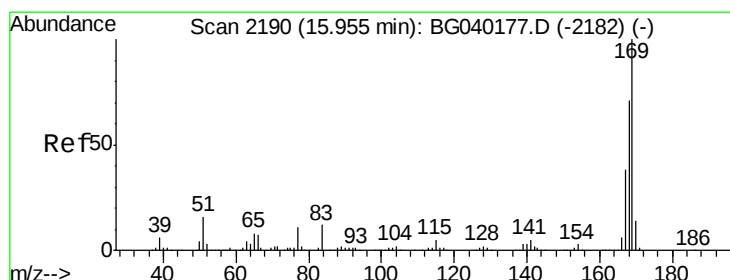
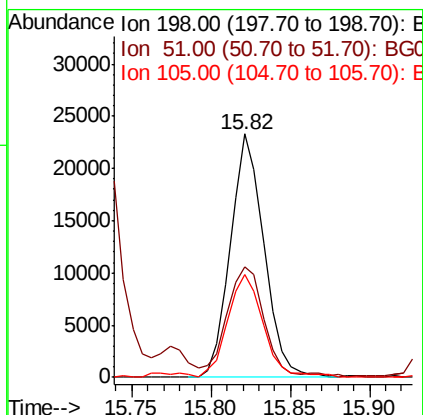
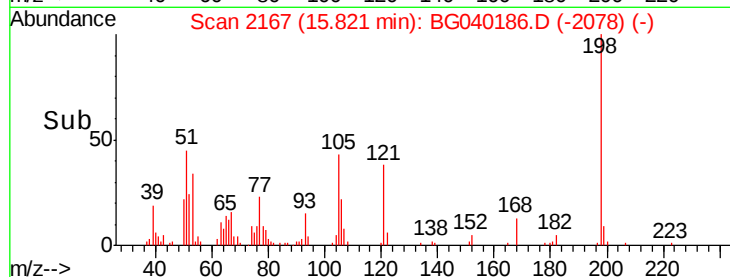
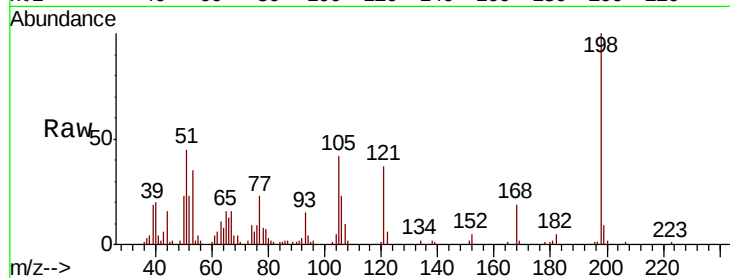




#65
 4,6-Dinitro-2-methylphenol
 Concen: 18.403 ng
 RT: 15.82 min Scan# 2167
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

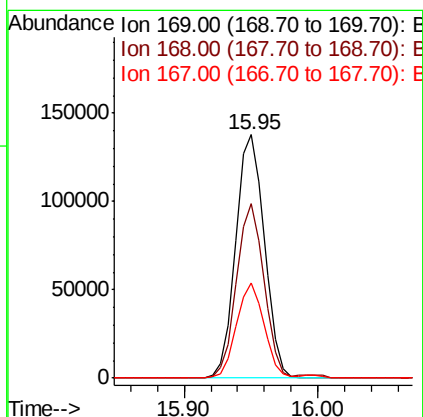
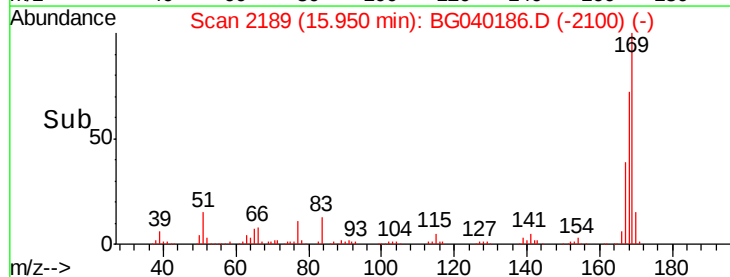
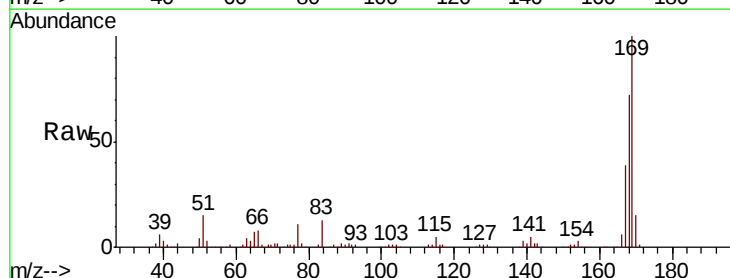
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

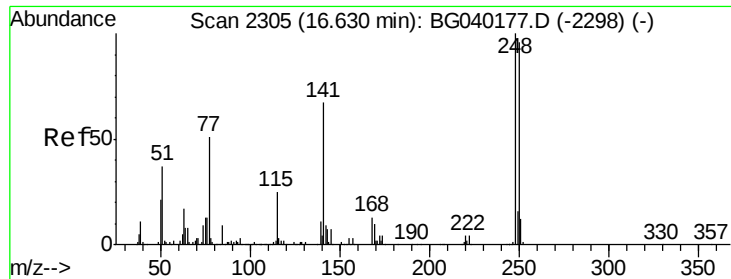
Tgt Ion:198 Resp: 34202
 Ion Ratio Lower Upper
 198 100
 51 45.4 27.3 67.3
 105 42.3 21.7 61.7



#66
 n-Nitrosodiphenylamine
 Concen: 21.207 ng
 RT: 15.95 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:169 Resp: 205286
 Ion Ratio Lower Upper
 169 100
 168 71.6 56.8 85.2
 167 38.9 30.2 45.4

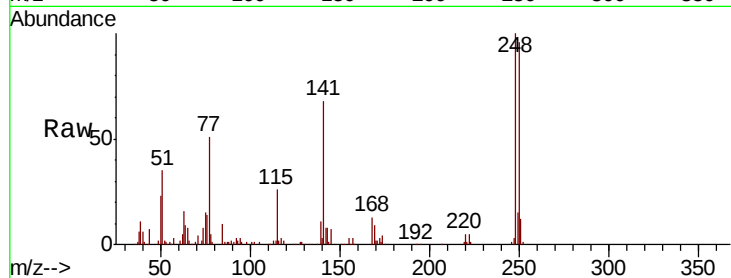




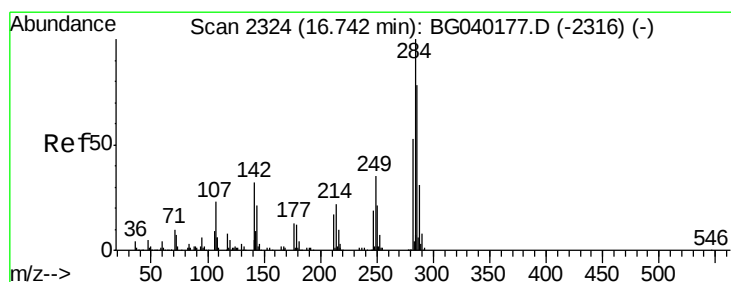
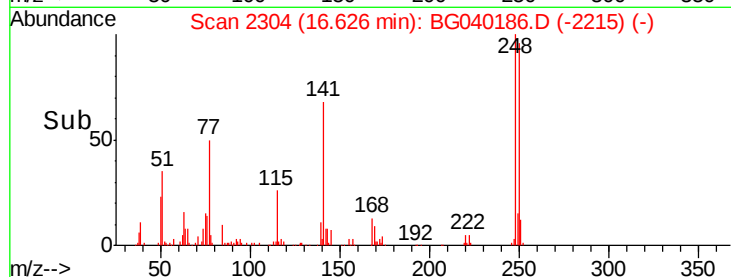
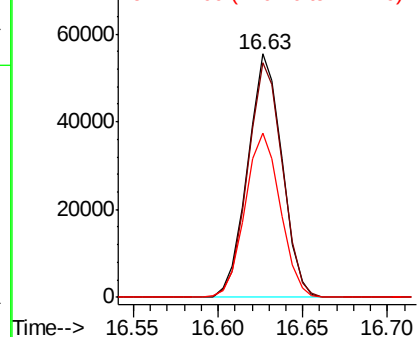
#67
4-Bromophenyl-phenylether
Concen: 21.030 ng
RT: 16.63 min Scan# 2304
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:248 Resp: 78284
Ion Ratio Lower Upper
248 100
250 96.4 76.4 114.6
141 67.7 53.8 80.8

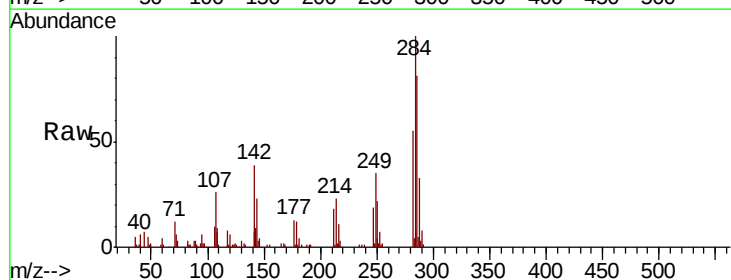


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

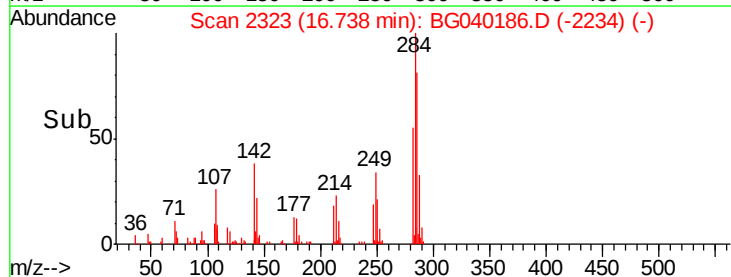
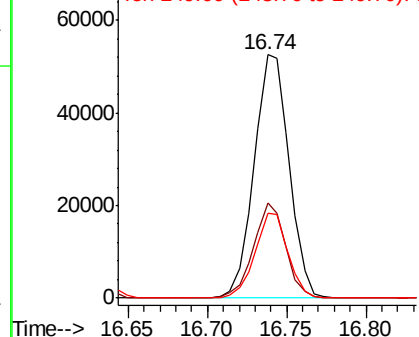


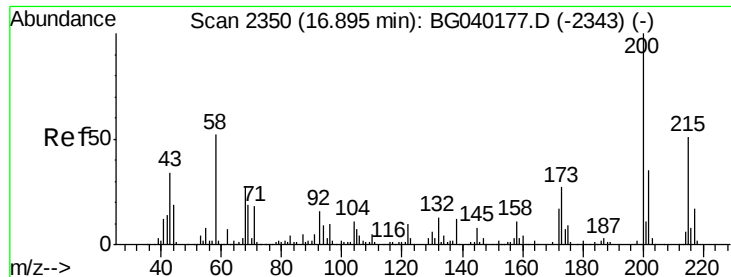
#68
Hexachlorobenzene
Concen: 21.526 ng
RT: 16.74 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:284 Resp: 80571
Ion Ratio Lower Upper
284 100
142 38.9 25.3 37.9#
249 34.8 28.2 42.2



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

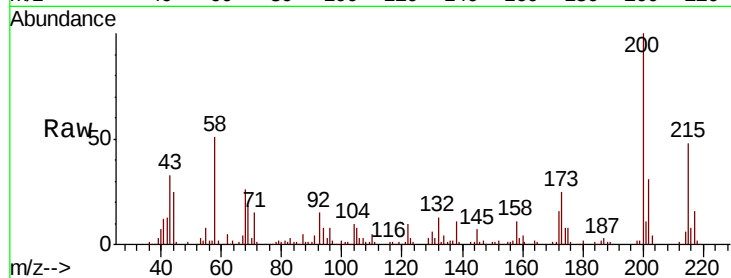




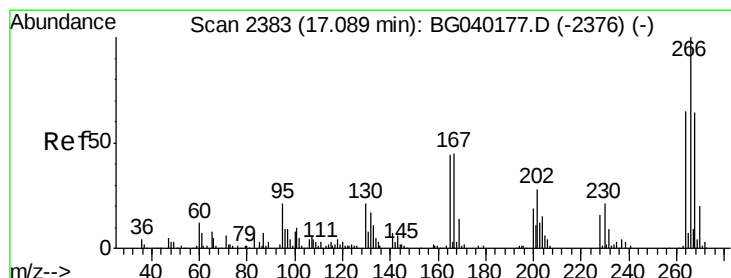
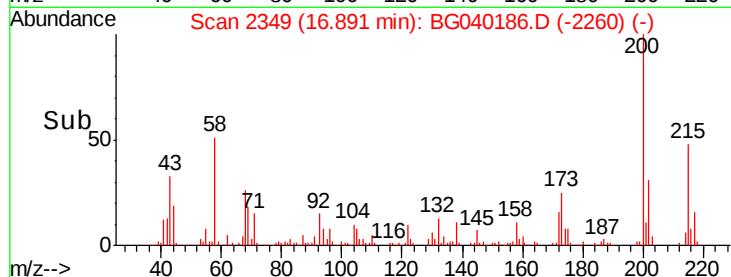
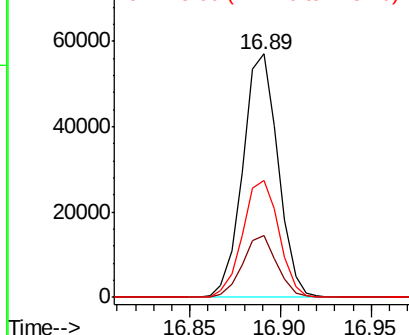
#69
 Atrazine
 Concen: 21.416 ng
 RT: 16.89 min Scan# 2349
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Tgt Ion:200 Resp: 77117
 Ion Ratio Lower Upper
 200 100
 173 25.3 7.1 47.1
 215 48.1 30.9 70.9

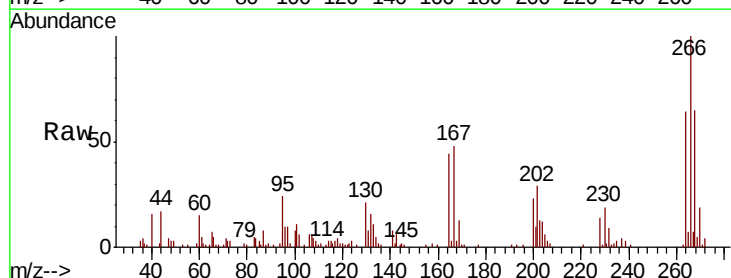


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

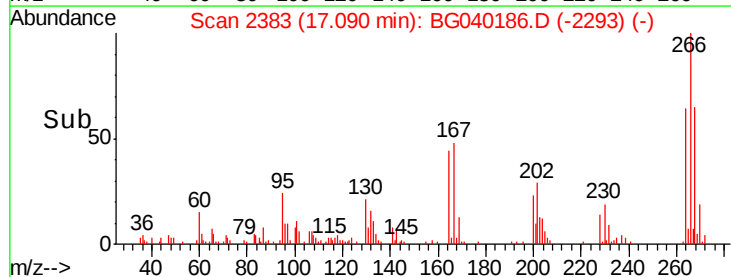
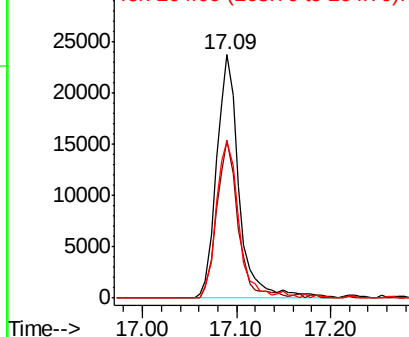


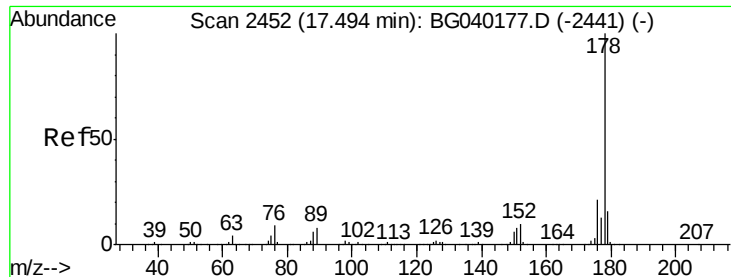
#70
 Pentachlorophenol
 Concen: 18.444 ng
 RT: 17.09 min Scan# 2383
 Delta R.T. 0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:266 Resp: 39911
 Ion Ratio Lower Upper
 266 100
 268 69.8 55.0 82.4
 264 64.3 51.8 77.8



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: 21.936 ng

RT: 17.49 min Scan# 2451

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

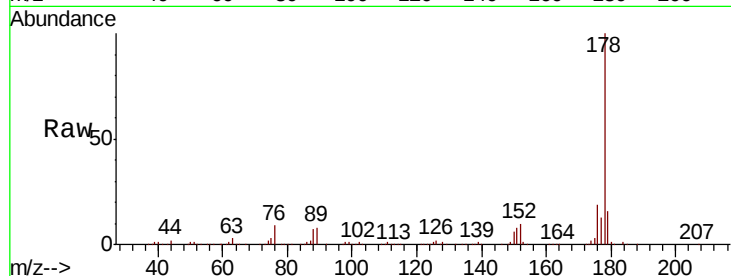
Tgt Ion:178 Resp: 381405

Ion Ratio Lower Upper

178 100

176 19.2 16.7 25.1

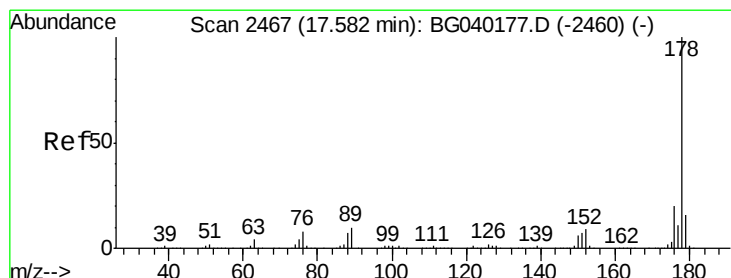
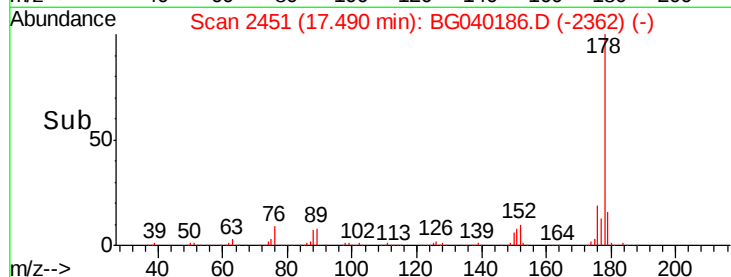
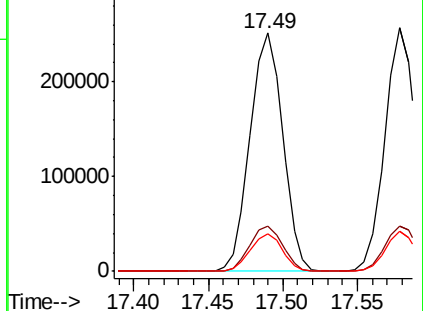
179 15.7 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 21.937 ng

RT: 17.58 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

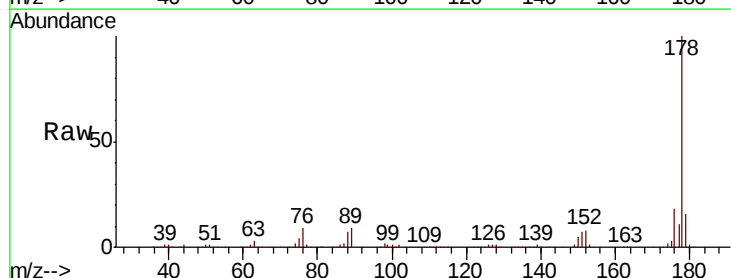
Tgt Ion:178 Resp: 381780

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

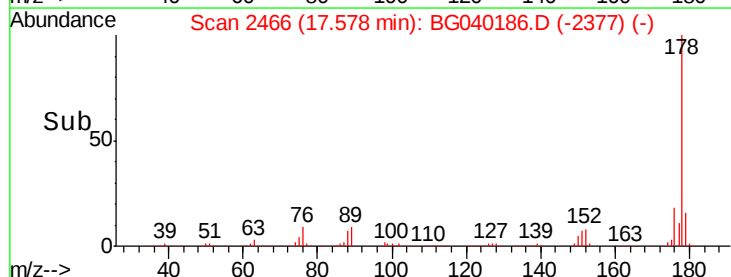
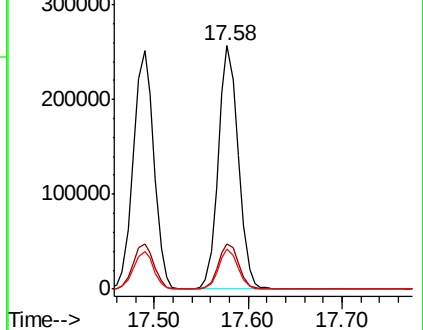
179 16.4 12.9 19.3

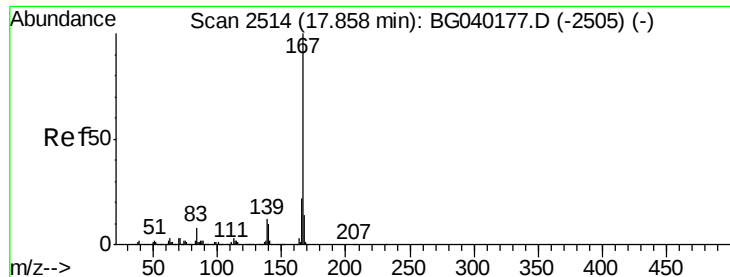


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

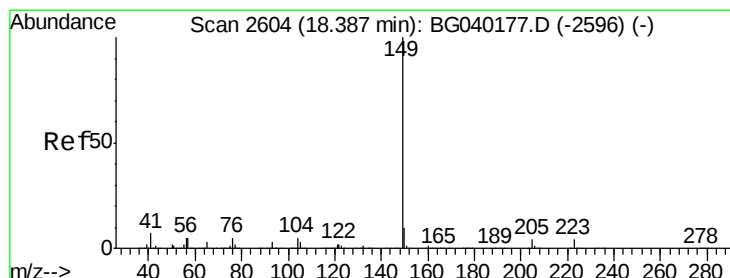
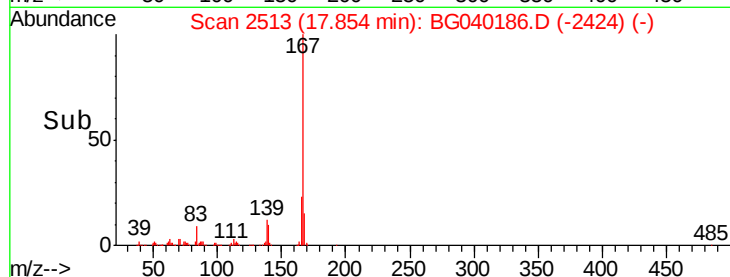
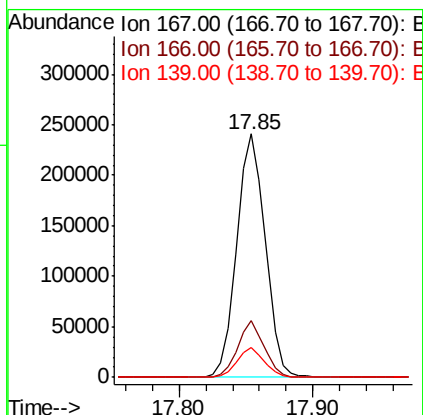
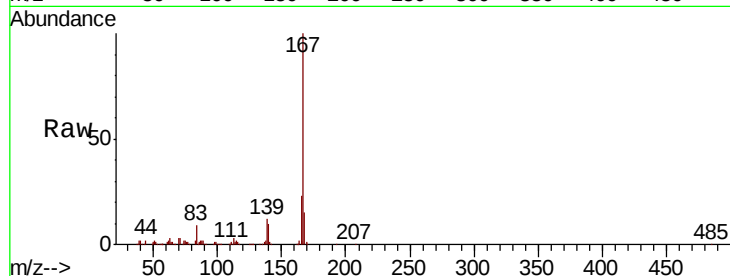




#73
 Carbazole
 Concen: 21.626 ng
 RT: 17.85 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

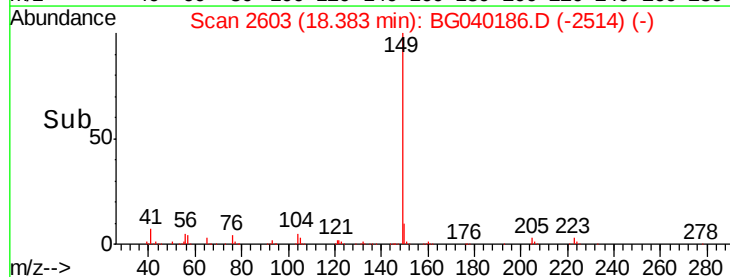
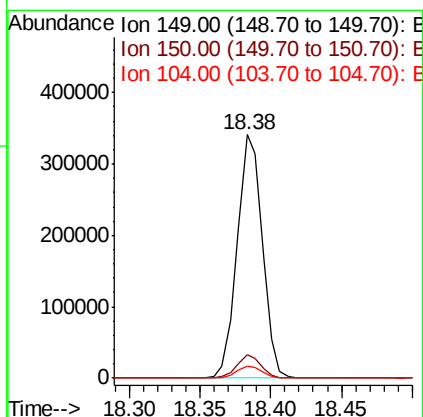
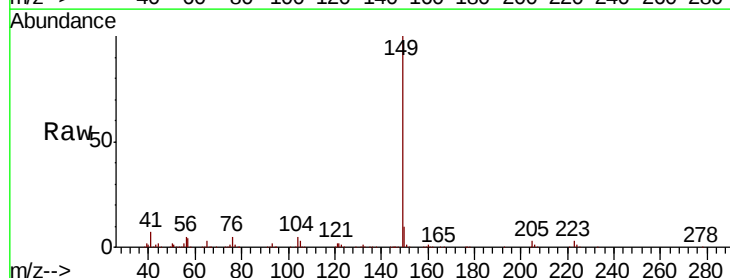
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

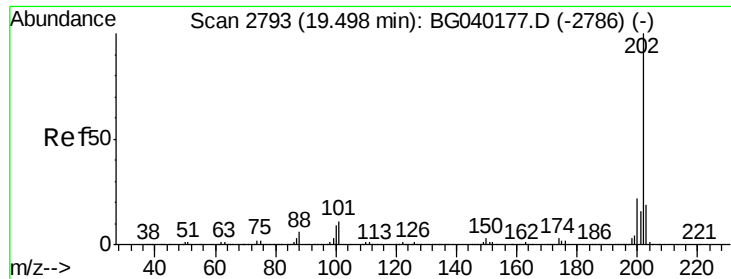
Tgt Ion:167 Resp: 356181
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.5 26.3
 139 12.3 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 21.708 ng
 RT: 18.38 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: BG040186.D
 Acq: 28 Mar 2019 00:26

Tgt Ion:149 Resp: 423806
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.9 11.9
 104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 22.791 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

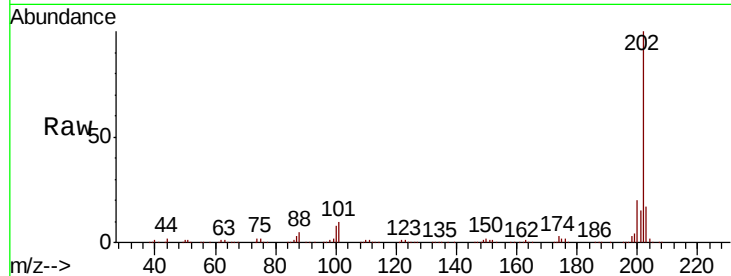
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

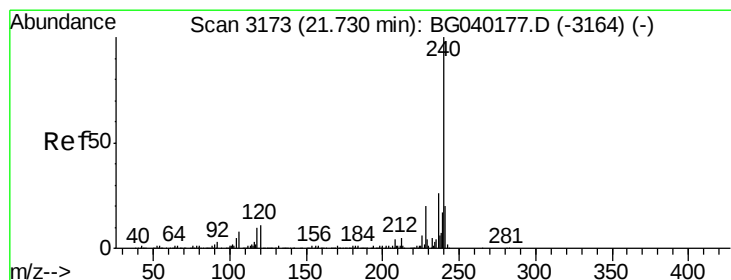
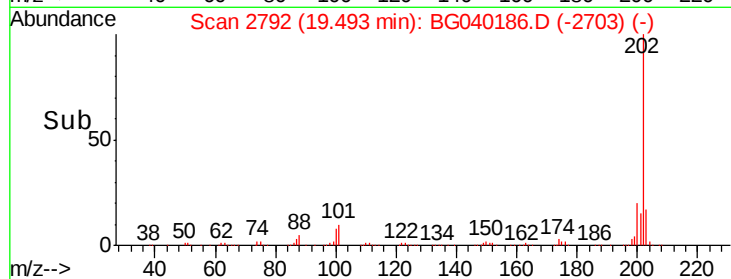
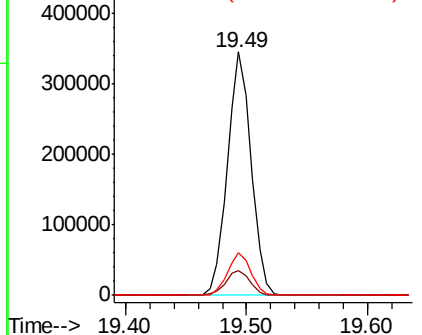
Tgt Ion:	202	Resp:	469238
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	30.8
203	17.4	0.0	38.9



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



#76

Chrysene-d12

Concen: 20.000 ng

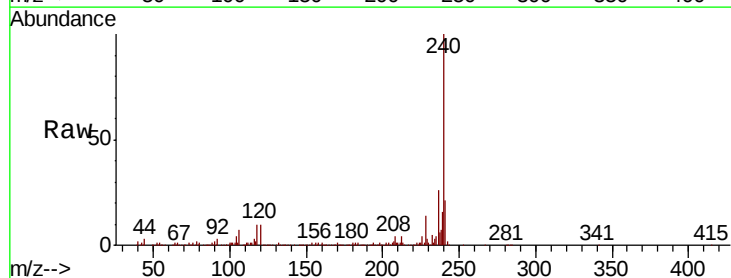
RT: 21.73 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

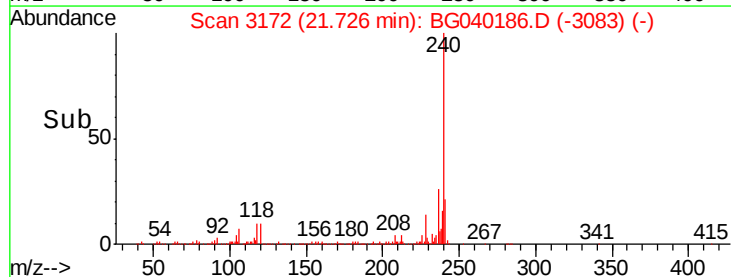
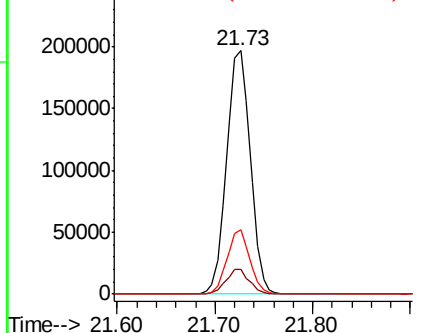
Tgt Ion:	240	Resp:	332256
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.4	12.6
236	26.3	20.8	31.2

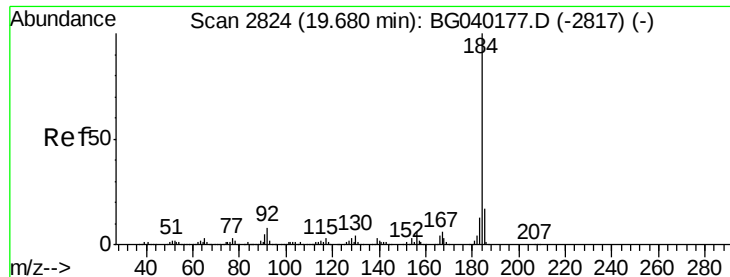


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 17.475 ng

RT: 19.68 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

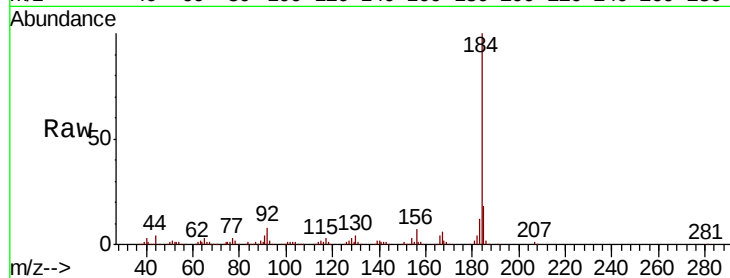
Tgt Ion:184 Resp: 209666

Ion Ratio Lower Upper

184 100

185 17.8 13.3 19.9

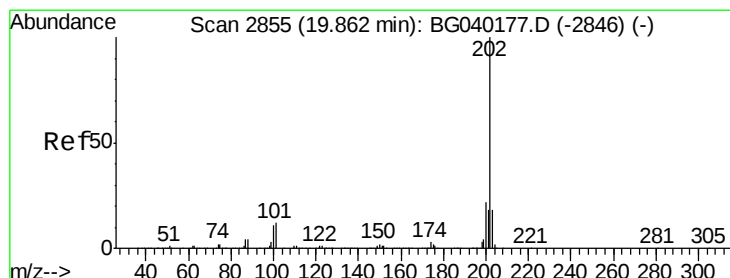
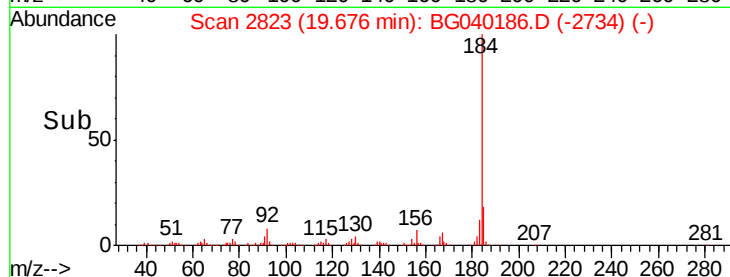
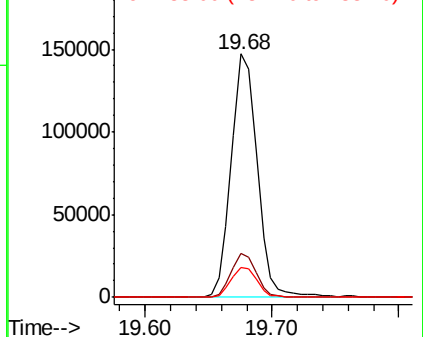
183 12.4 10.3 15.5



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: 21.494 ng

RT: 19.86 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

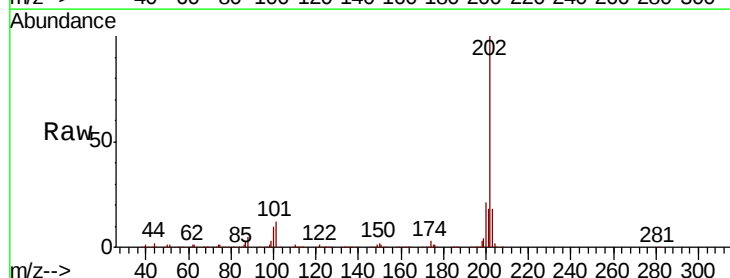
Tgt Ion:202 Resp: 469632

Ion Ratio Lower Upper

202 100

200 20.5 17.3 25.9

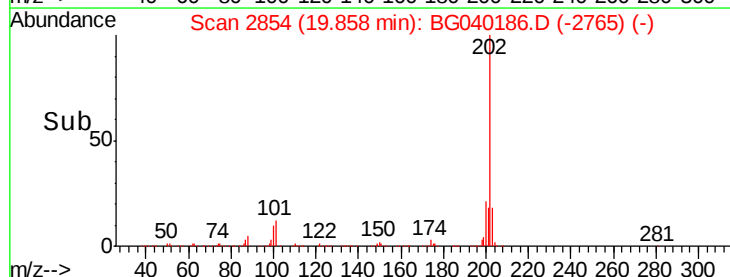
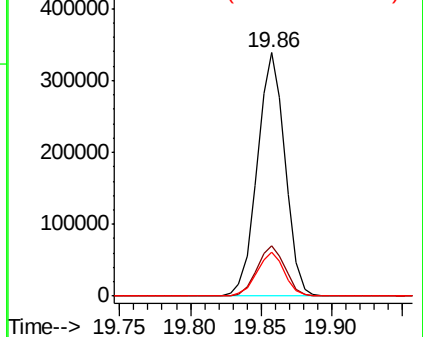
203 18.1 14.6 22.0



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: 82.583 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

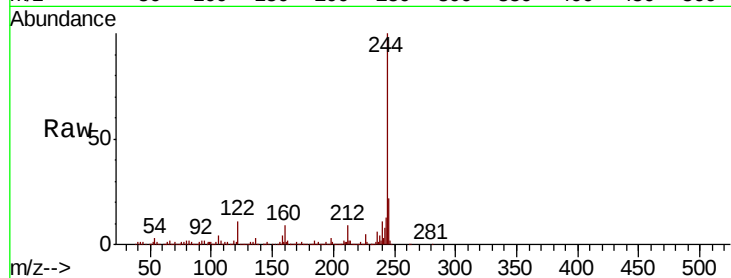
Tgt Ion:244 Resp: 1219688

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.6

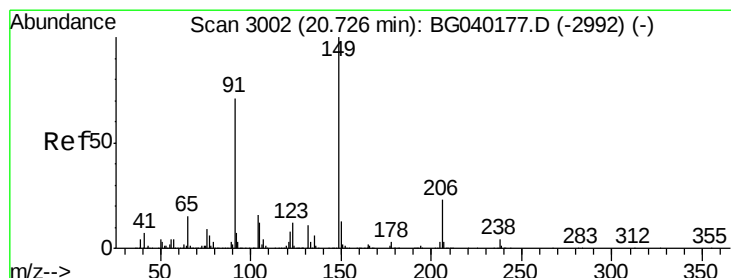
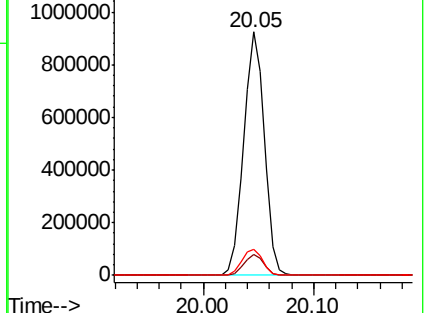
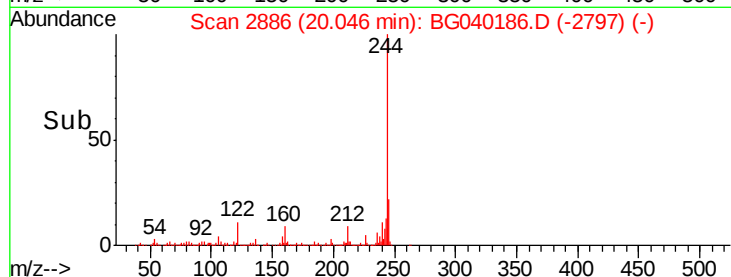
122 10.9 8.5 12.7



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: 20.230 ng

RT: 20.73 min Scan# 3002

Delta R.T. 0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

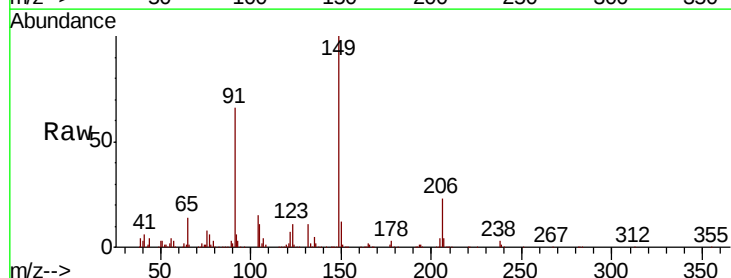
Tgt Ion:149 Resp: 189144

Ion Ratio Lower Upper

149 100

91 65.9 57.0 85.4

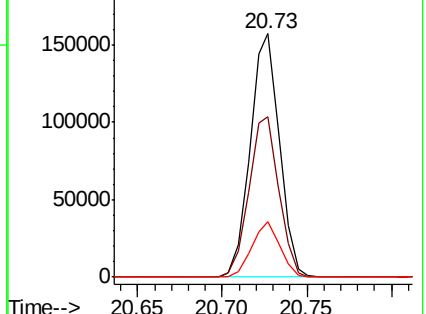
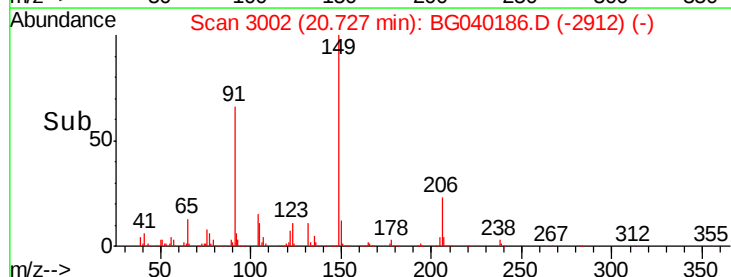
206 22.6 18.2 27.4

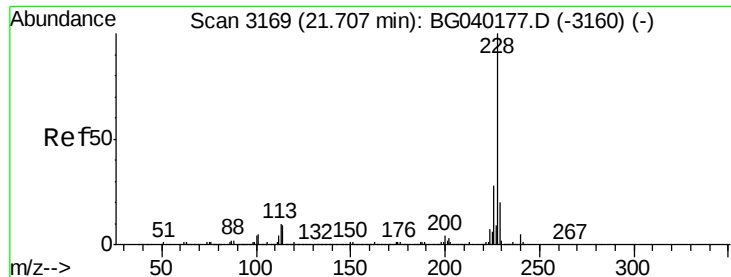


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 21.528 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

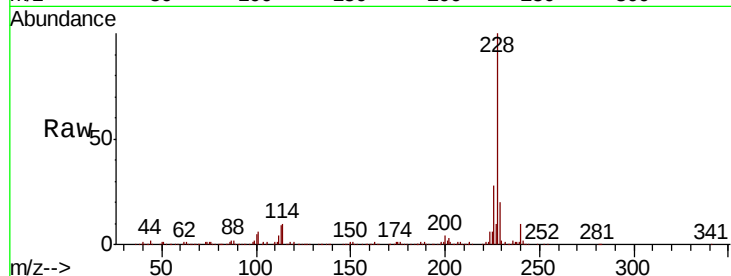
Instrument :

BNA_G

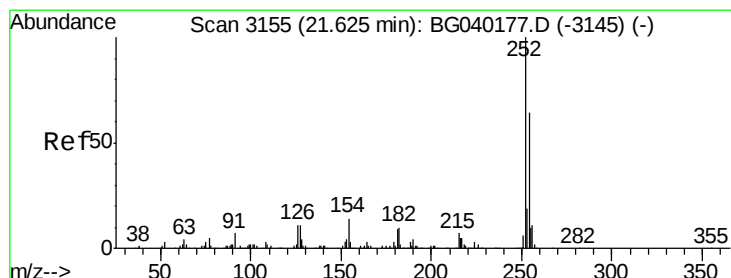
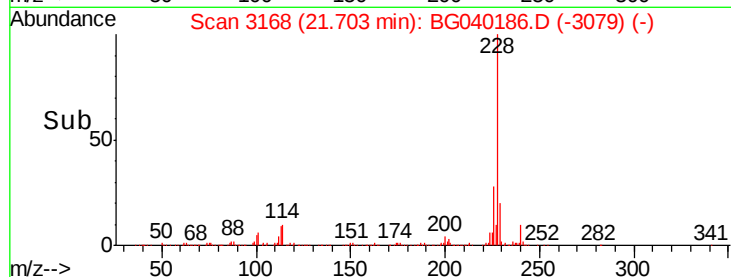
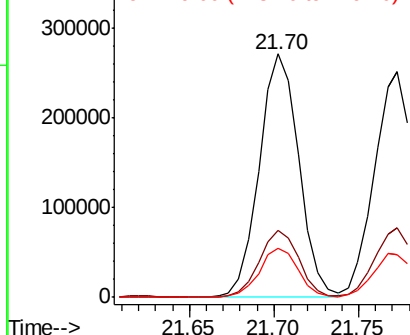
ClientSampleId :

LOQ-SOIL-02-QT1-2019

Tgt Ion:	228	Resp:	440567
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	34.0
229	20.1	16.1	24.1



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: 20.317 ng

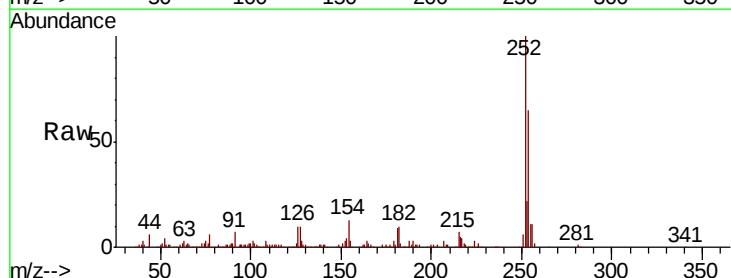
RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

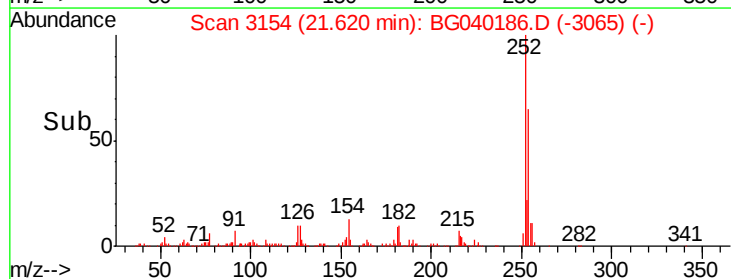
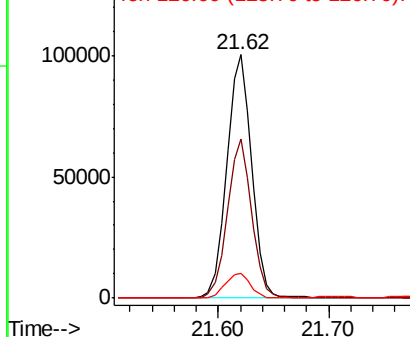
Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Tgt Ion:	252	Resp:	158165
Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.4	77.2
126	10.4	8.5	12.7



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: 21.223 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

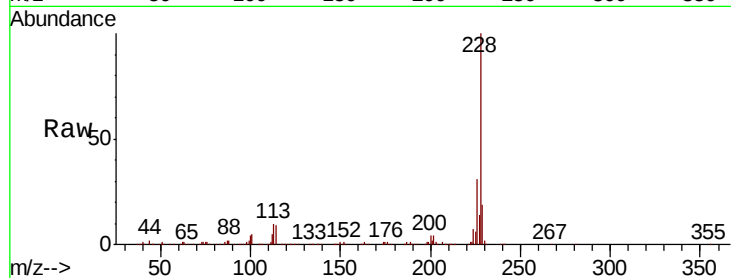
Tgt Ion:228 Resp: 417422

Ion Ratio Lower Upper

228 100

226 30.8 25.4 38.0

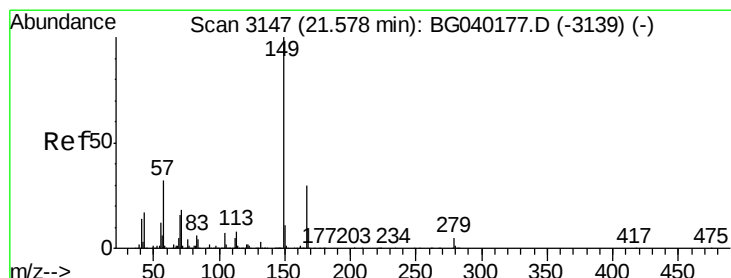
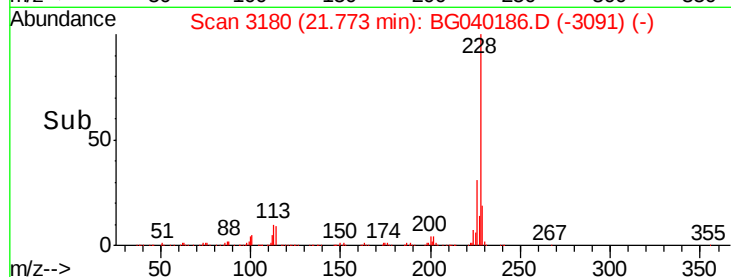
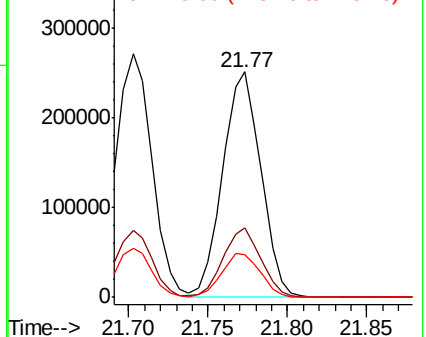
229 18.8 17.0 25.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 20.193 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

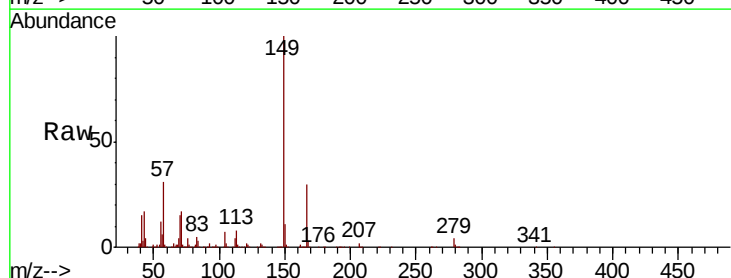
Tgt Ion:149 Resp: 269881

Ion Ratio Lower Upper

149 100

167 29.9 24.1 36.1

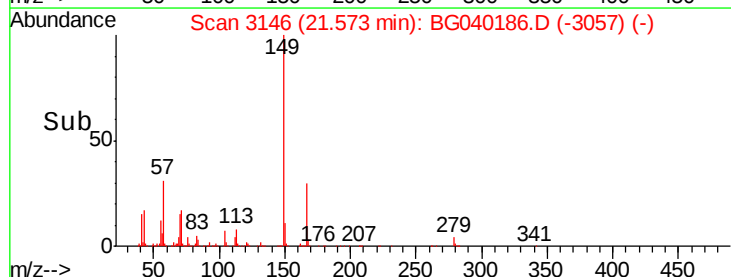
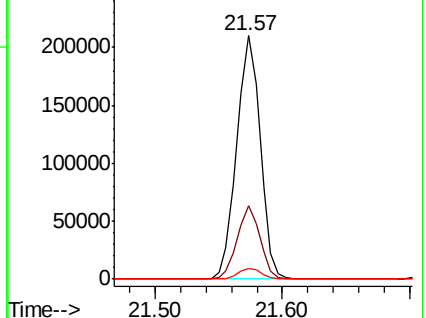
279 4.4 4.1 6.1

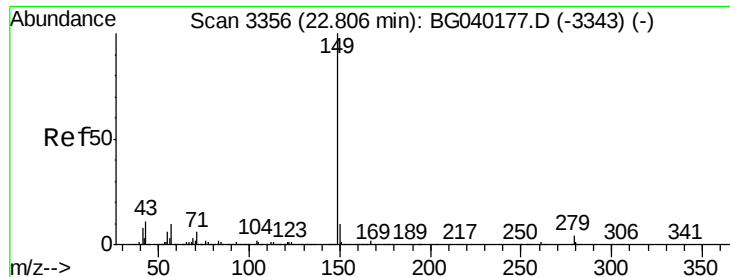


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

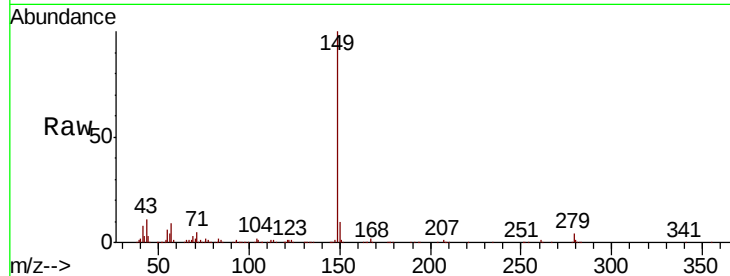




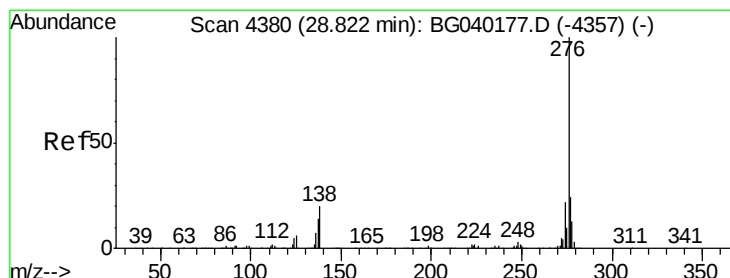
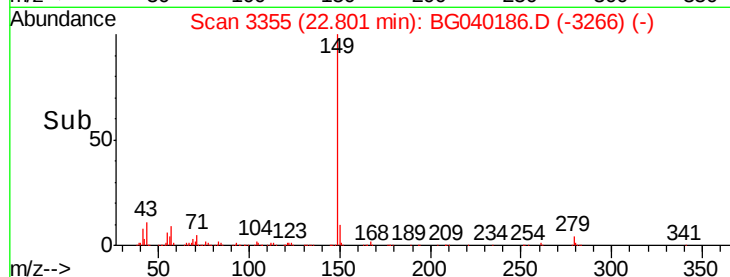
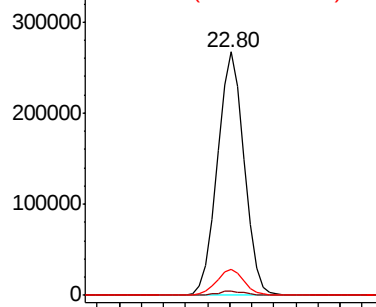
#85
Di-n-octyl phthalate
Concen: 19.972 ng
RT: 22.80 min Scan# 3355
Delta R.T. -0.00 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT1-2019

Tgt Ion:149 Resp: 454778
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.0
43 10.7 8.7 13.1

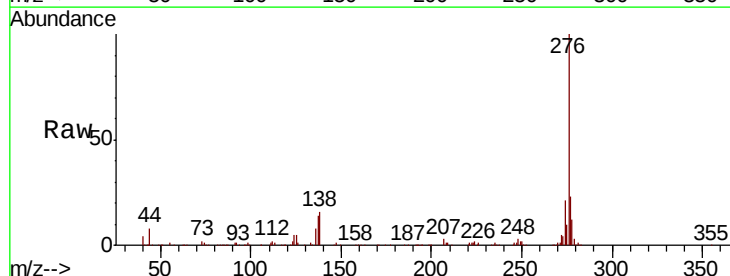


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

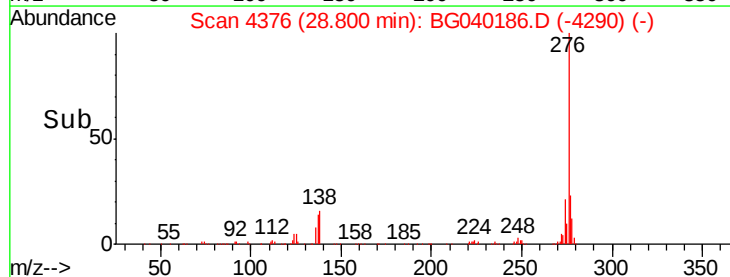
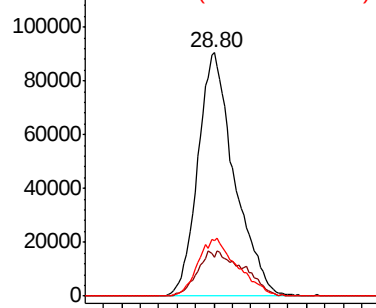


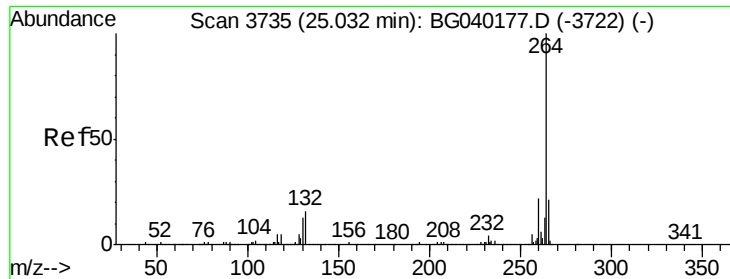
#86
Indeno(1,2,3-cd)pyrene
Concen: 20.715 ng
RT: 28.80 min Scan# 4376
Delta R.T. -0.02 min
Lab File: BG040186.D
Acq: 28 Mar 2019 00:26

Tgt Ion:276 Resp: 498314
Ion Ratio Lower Upper
276 100
138 8.7 18.8 28.2#
277 25.5 21.0 31.4



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

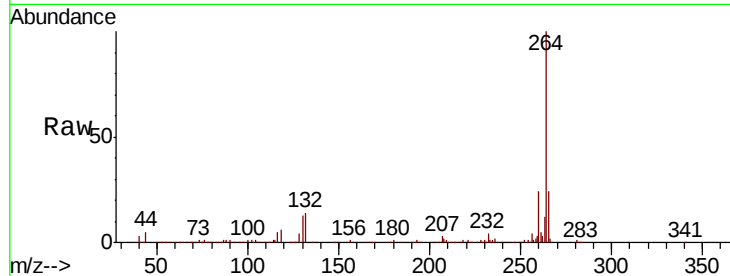
Tgt Ion:264 Resp: 349730

Ion Ratio Lower Upper

264 100

260 23.7 17.9 26.9

265 23.6 16.8 25.2

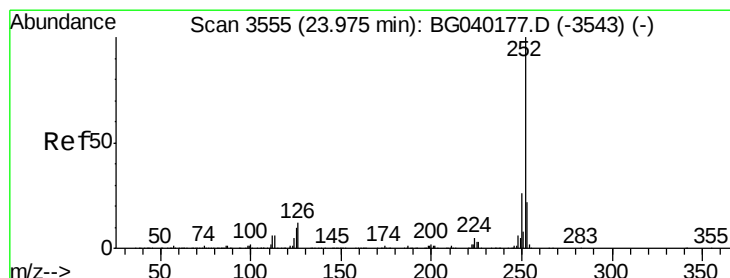
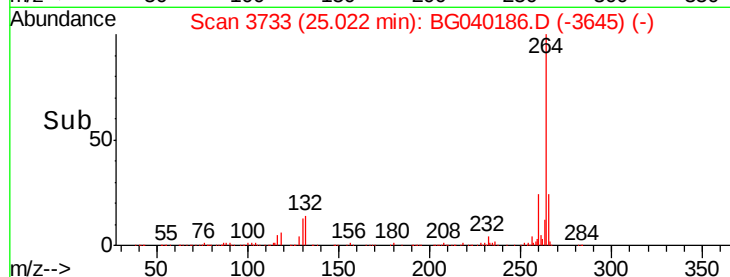
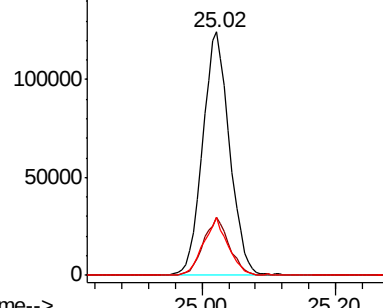


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.046 ng

RT: 23.96 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

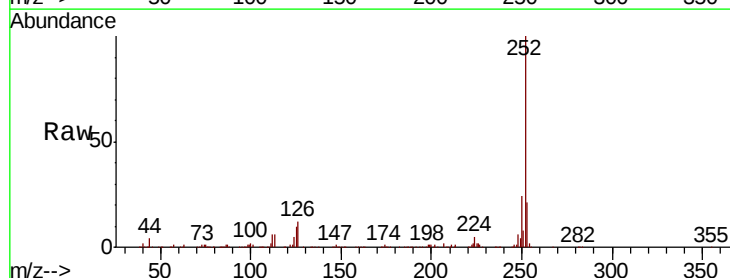
Tgt Ion:252 Resp: 450625

Ion Ratio Lower Upper

252 100

253 21.0 17.6 26.4

125 10.2 8.2 12.4

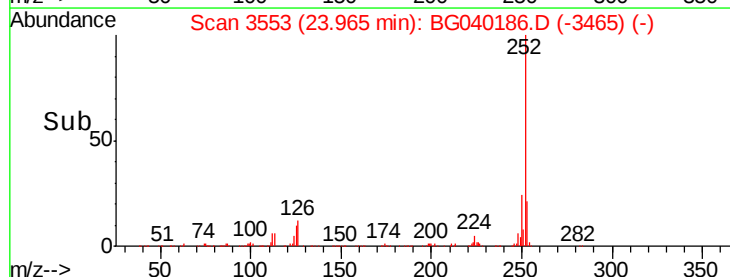
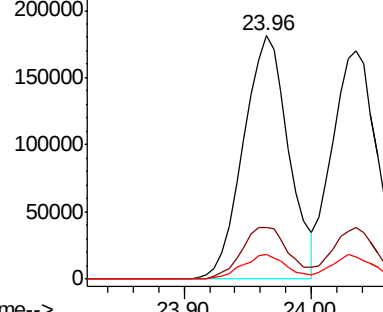


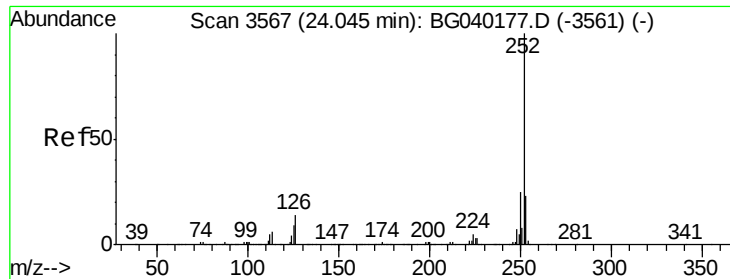
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.193 ng

RT: 24.04 min Scan# 3565

Delta R.T. -0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

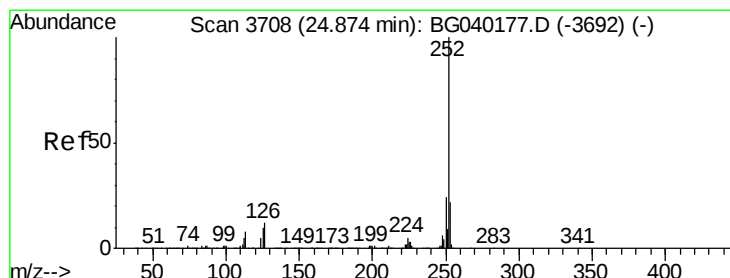
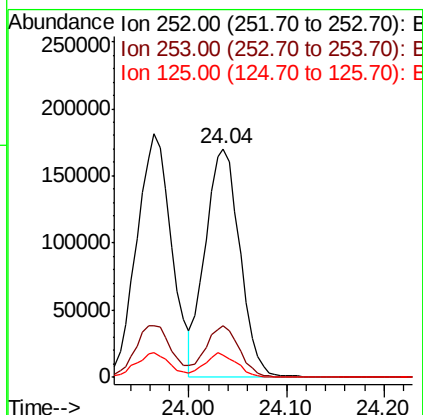
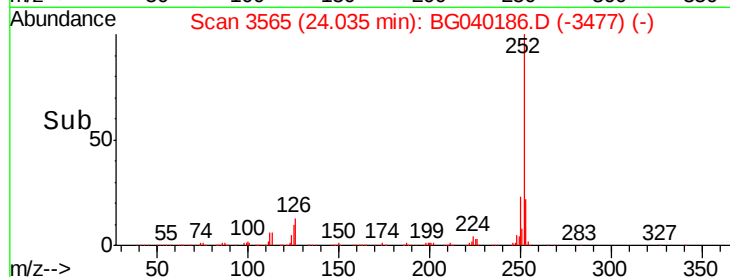
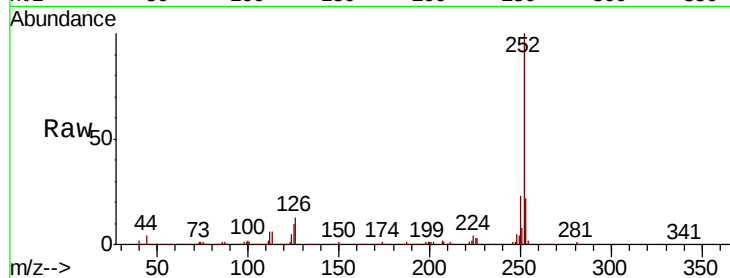
Tgt Ion:252 Resp: 417308

Ion Ratio Lower Upper

252 100

253 22.5 18.6 28.0

125 10.0 7.3 10.9



#90

Benzo(a)pyrene

Concen: 21.117 ng

RT: 24.86 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

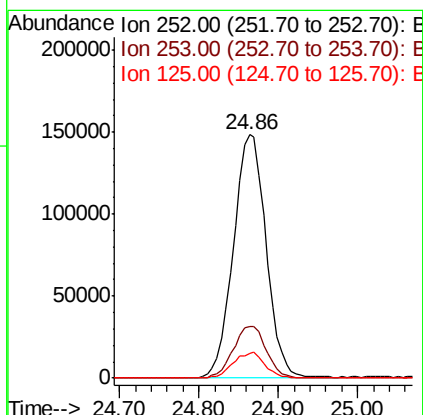
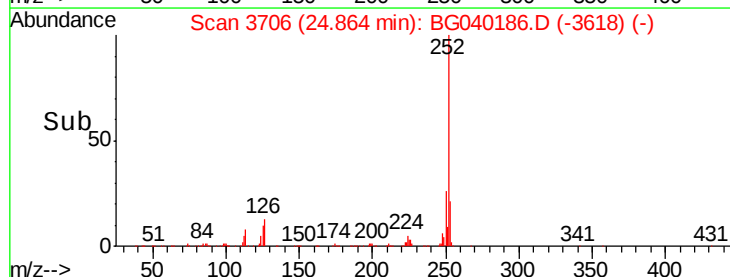
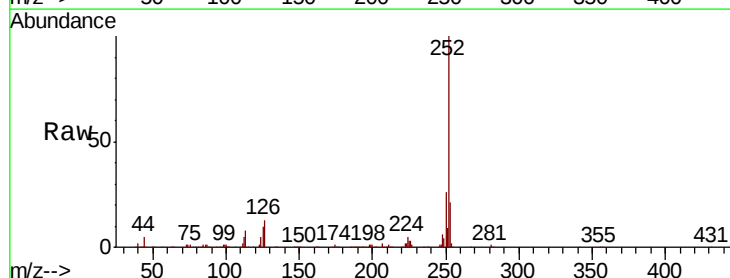
Tgt Ion:252 Resp: 424243

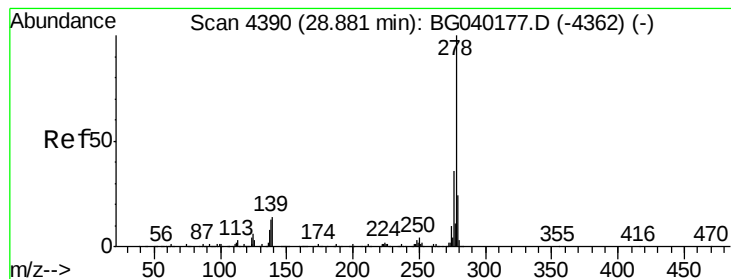
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

125 10.4 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 21.384 ng

RT: 28.86 min Scan# 4387

Delta R.T. -0.02 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT1-2019

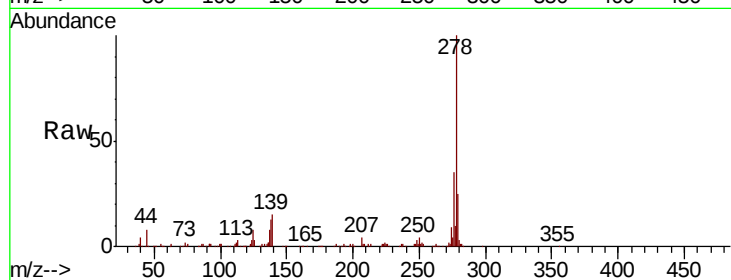
Tgt Ion:278 Resp: 399001

Ion Ratio Lower Upper

278 100

139 15.3 11.2 16.8

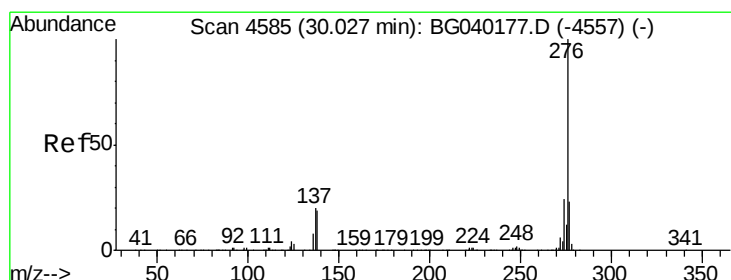
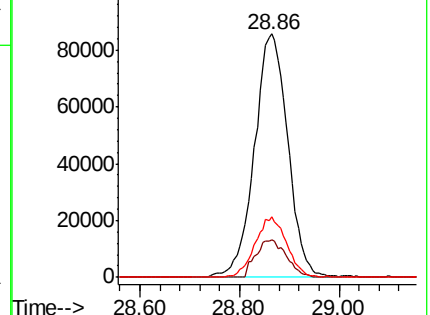
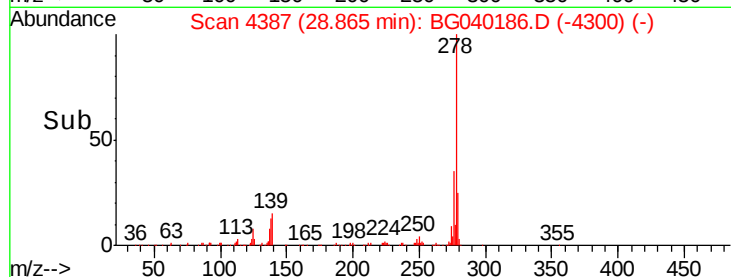
279 25.1 18.9 28.3



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: 20.741 ng

RT: 29.99 min Scan# 4579

Delta R.T. -0.03 min

Lab File: BG040186.D

Acq: 28 Mar 2019 00:26

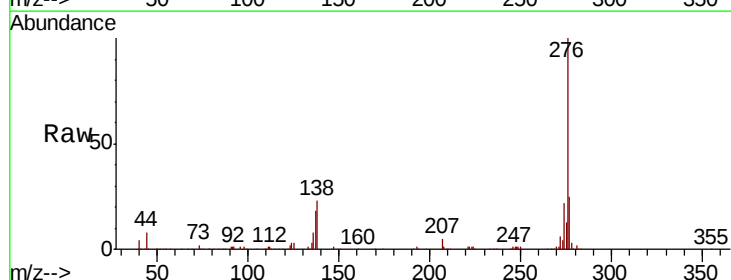
Tgt Ion:276 Resp: 397711

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 22.7 15.2 22.8



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

