

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041072.D
 Acq On : 5 Jun 2019 15:03
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 06 04:21:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	35644	20.00	ng	-0.02
21) Naphthalene-d8	10.93	136	136703	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	93042	20.00	ng	-0.02
64) Phenanthrene-d10	17.48	188	236760	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	271361	20.00	ng	-0.02
87) Perylene-d12	25.09	264	298384	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	173891	87.97	ng	-0.01
7) Phenol-d6	7.25	99	242951	79.58	ng	-0.01
23) Nitrobenzene-d5	9.29	82	161230	52.36	ng	-0.02
42) 2,4,6-Tribromophenol	16.23	330	121632	88.06	ng	-0.02
45) 2-Fluorobiphenyl	13.36	172	350673	54.28	ng	-0.02
79) Terphenyl-d14	20.08	244	713002	55.76	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	20354	22.692	ng	97
3) Pyridine	3.92	79	46686	17.590	ng	96
4) n-Nitrosodimethylamine	3.85	42	24242	19.680	ng	# 94
6) Aniline	7.43	93	69740	17.115	ng	98
8) 2-Chlorophenol	7.67	128	43566	18.487	ng	94
9) Benzaldehyde	7.25	77	48333	26.541	ng	# 83
10) Phenol	7.28	94	57570	17.588	ng	97
11) bis(2-Chloroethyl)ether	7.52	93	40882	17.217	ng	98
12) 1,3-Dichlorobenzene	8.00	146	51459	18.283	ng	98
13) 1,4-Dichlorobenzene	8.15	146	52948	18.585	ng	93
14) 1,2-Dichlorobenzene	8.46	146	50223	18.156	ng	99
15) Benzyl Alcohol	8.35	79	47472	16.810	ng	91
16) 2,2'-oxybis(1-Chloropropan	8.63	45	68375	17.622	ng	98
17) 2-Methylphenol	8.55	107	40115	16.926	ng	95
18) Hexachloroethane	9.19	117	20656	18.811	ng	96
19) n-Nitroso-di-n-propylamine	8.91	70	38330	16.316	ng	97
20) 3+4-Methylphenols	8.87	107	53425	16.274	ng	96
22) Acetophenone	8.94	105	79220	20.658	ng	95
24) Nitrobenzene	9.33	77	62088	19.785	ng	94
25) Isophorone	9.85	82	106920	18.245	ng	97
26) 2-Nitrophenol	10.04	139	25759	19.911	ng	89
27) 2,4-Dimethylphenol	10.09	122	41967	19.642	ng	96
28) bis(2-Chloroethoxy)methane	10.33	93	57113	18.057	ng	97
29) 2,4-Dichlorophenol	10.57	162	47068	17.348	ng	97
30) 1,2,4-Trichlorobenzene	10.79	180	57720	18.701	ng	91
31) Naphthalene	10.98	128	138236	18.834	ng	99
32) Benzoic acid	10.17	122	5125	10.692	ng	# 78
33) 4-Chloroaniline	11.10	127	58648	17.221	ng	95
34) Hexachlorobutadiene	11.24	225	42630	18.051	ng	96
35) Caprolactam	11.86	113	15259	17.031	ng	# 79
36) 4-Chloro-3-methylphenol	12.20	107	55158	17.801	ng	98
37) 2-Methylnaphthalene	12.58	142	102694	18.167	ng	99
38) 1-Methylnaphthalene	12.79	142	97108	18.230	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	78185	20.849	ng	100

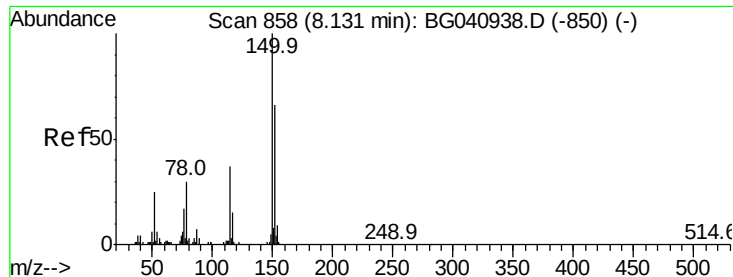
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
 Data File : BG041072.D
 Acq On : 5 Jun 2019 15:03
 Operator : HP/JU
 Sample : K2241-02
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Quant Time: Jun 06 04:21:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	35629	24.090	ng	97
43) 2,4,6-Trichlorophenol	13.18	196	44317	18.268	ng	96
44) 2,4,5-Trichlorophenol	13.25	196	50411	19.703	ng	97
46) 1,1'-Biphenyl	13.58	154	142608	20.706	ng	99
47) 2-Chloronaphthalene	13.62	162	111568	18.870	ng	96
48) 2-Nitroaniline	13.83	65	38682	18.237	ng	96
49) Acenaphthylene	14.47	152	176191	19.800	ng	97
50) Dimethylphthalate	14.19	163	145533	18.478	ng	98
51) 2,6-Dinitrotoluene	14.32	165	32314	19.029	ng	93
52) Acenaphthene	14.80	154	101280	18.788	ng	97
53) 3-Nitroaniline	14.65	138	30640	18.044	ng	96
54) 2,4-Dinitrophenol	14.86	184	7062	17.854	ng	95
55) Dibenzofuran	15.14	168	177955	19.618	ng	96
56) 4-Nitrophenol	14.94	139	22277	19.126	ng	98
57) 2,4-Dinitrotoluene	15.10	165	47187	19.671	ng	99
58) Fluorene	15.79	166	138388	19.157	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.27	232	47447	18.870	ng	92
60) Diethylphthalate	15.54	149	147785	18.386	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	86322	18.384	ng	95
62) 4-Nitroaniline	15.81	138	34596	19.244	ng	98
63) Azobenzene	16.06	77	139896	19.150	ng	99
65) 4,6-Dinitro-2-methylphenol	15.86	198	20176	21.647	ng	94
66) n-Nitrosodiphenylamine	15.98	169	127623	19.175	ng	95
67) 4-Bromophenyl-phenylether	16.67	248	54653	17.105	ng	95
68) Hexachlorobenzene	16.78	284	58081	17.071	ng	94
69) Atrazine	16.92	200	53523	20.841	ng	94
70) Pentachlorophenol	17.13	266	27270	18.422	ng	92
71) Phenanthrene	17.53	178	245420	19.900	ng	100
72) Anthracene	17.62	178	254099	20.891	ng	97
73) Carbazole	17.89	167	226854	21.737	ng	99
74) Di-n-butylphthalate	18.42	149	255836	19.723	ng	99
75) Fluoranthene	19.53	202	343063	22.522	ng	97
77) Benzidine	19.71	184	153722	23.747	ng	97
78) Pyrene	19.89	202	345436	19.582	ng	97
80) Butylbenzylphthalate	20.76	149	129418	18.852	ng	92
81) Benzo(a)anthracene	21.74	228	354181	19.608	ng	96
82) 3,3'-Dichlorobenzidine	21.65	252	134108	21.108	ng	98
83) Chrysene	21.81	228	349769	20.234	ng	98
84) Bis(2-ethylhexyl)phthalate	21.61	149	183339	18.972	ng	95
85) Di-n-octyl phthalate	22.85	149	317394	19.721	ng	100
86) Indeno(1,2,3-cd)pyrene	28.92	276	409917	19.359	ng	# 98
88) Benzo(b)fluoranthene	24.03	252	351774	19.437	ng	97
89) Benzo(k)fluoranthene	24.09	252	352163	19.664	ng	98
90) Benzo(a)pyrene	24.93	252	346299	20.056	ng	95
91) Dibenzo(a,h)anthracene	28.98	278	334564	19.391	ng	98
92) Benzo(g,h,i)perylene	30.12	276	340326	20.304	ng	# 97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 855

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

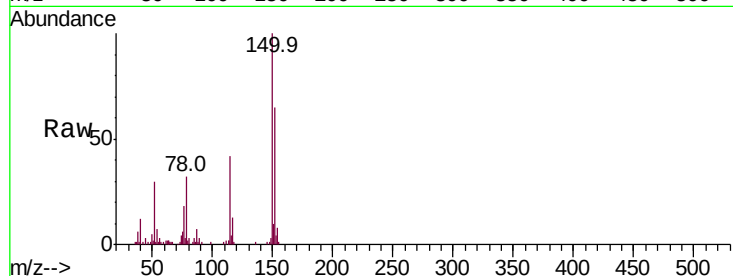
Tot Ion:152 Resp: 35644

Ion Ratio Lower Upper

152 100

150 153.6 120.6 180.8

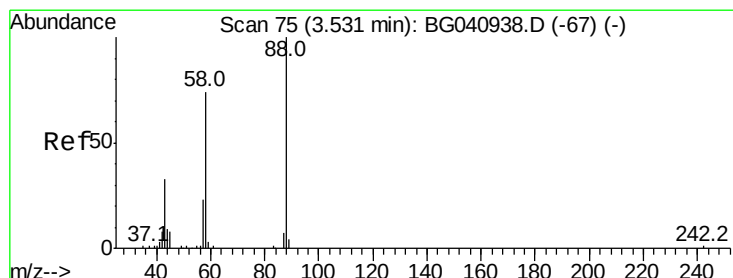
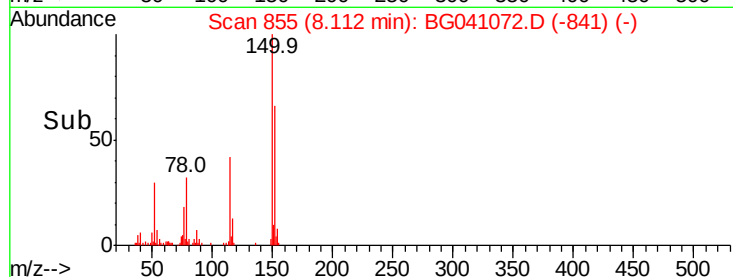
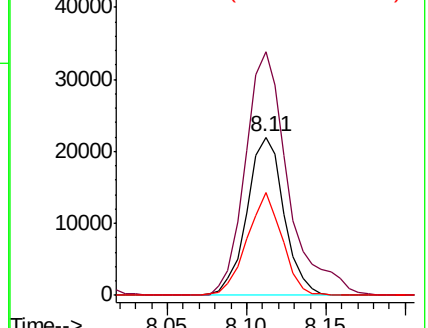
115 64.5 45.1 67.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 22.692 ng

RT: 3.52 min Scan# 73

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

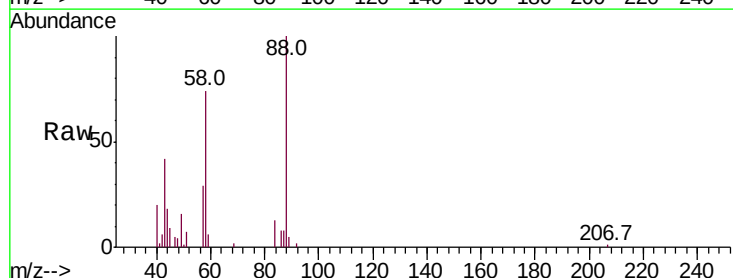
Tgt Ion: 88 Resp: 20354

Ion Ratio Lower Upper

88 100

58 74.1 59.0 88.6

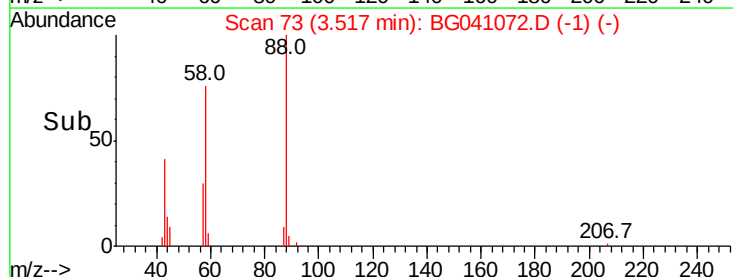
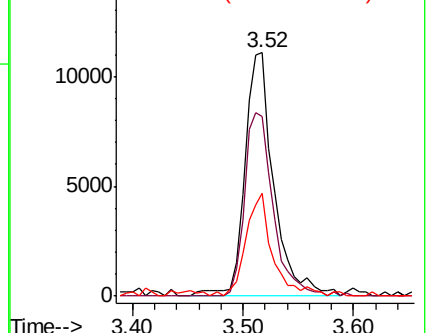
43 38.8 27.2 40.8

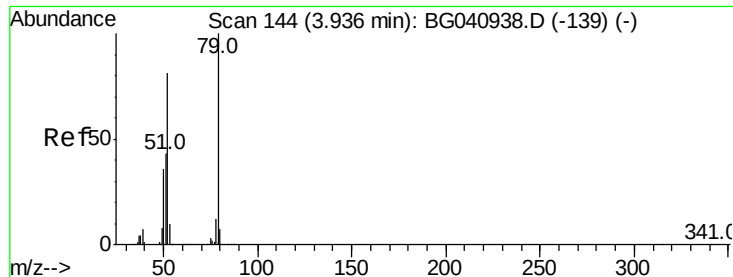


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 17.590 ng

RT: 3.92 min Scan# 142

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

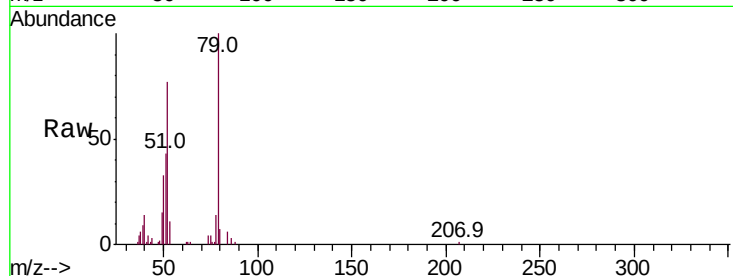
Tot Ion: 79 Resp: 46686

Ion Ratio Lower Upper

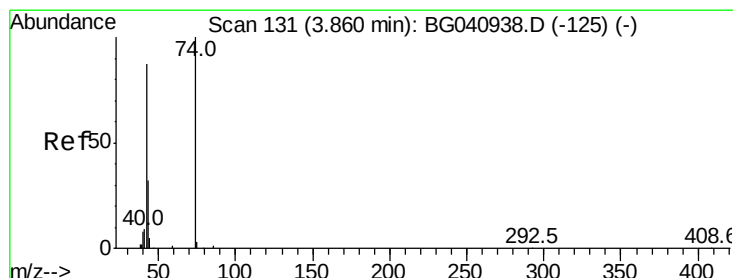
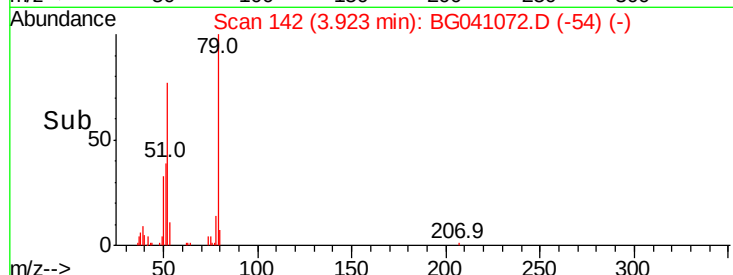
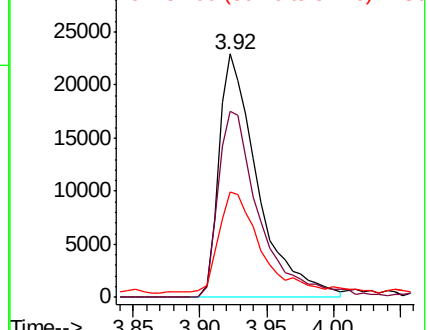
79 100

52 76.5 64.8 97.2

51 43.5 35.3 52.9



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



#4

n-Nitrosodimethylamine

Concen: 19.680 ng

RT: 3.85 min Scan# 129

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

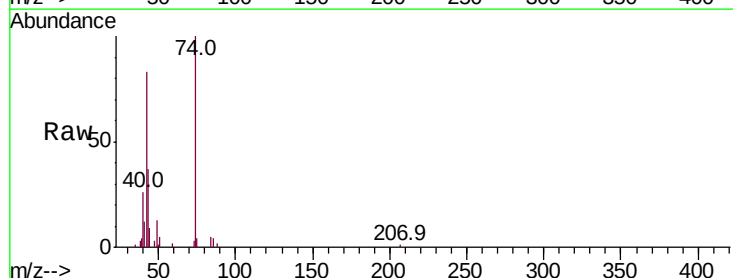
Tgt Ion: 42 Resp: 24242

Ion Ratio Lower Upper

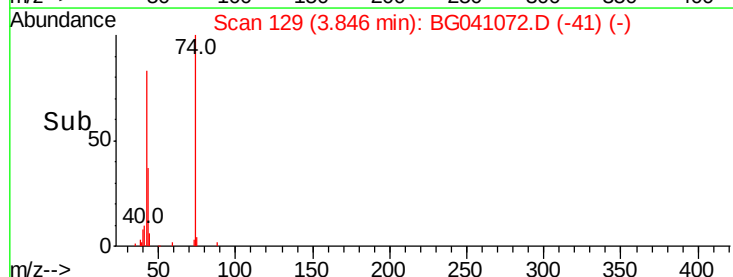
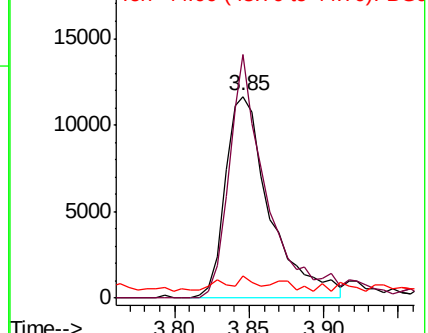
42 100

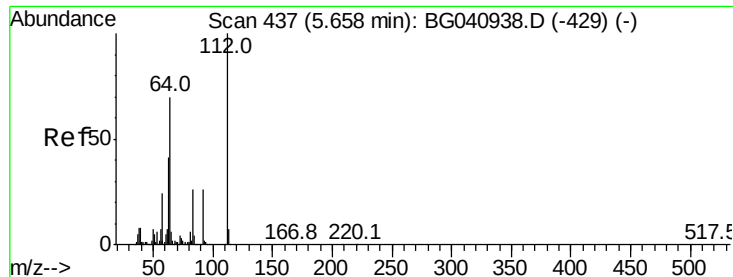
74 120.8 91.8 137.6

44 11.0 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 87.971 ng

RT: 5.64 min Scan# 435

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

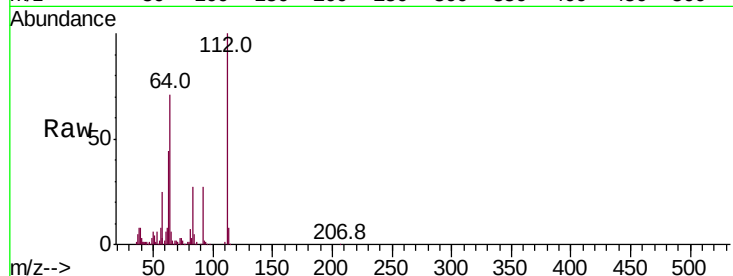
Tot Ion:112 Resp: 173891

Ion Ratio Lower Upper

112 100

64 71.0 56.2 84.2

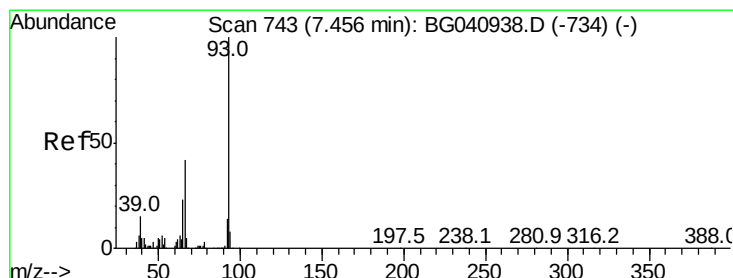
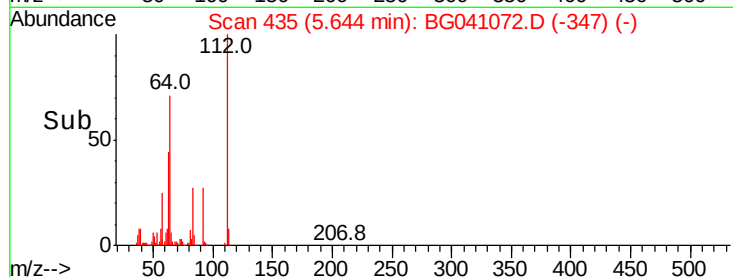
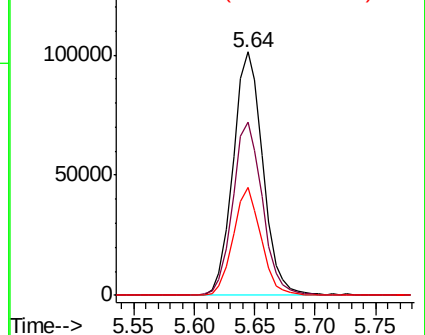
63 44.3 32.8 49.2



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 17.115 ng

RT: 7.43 min Scan# 739

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

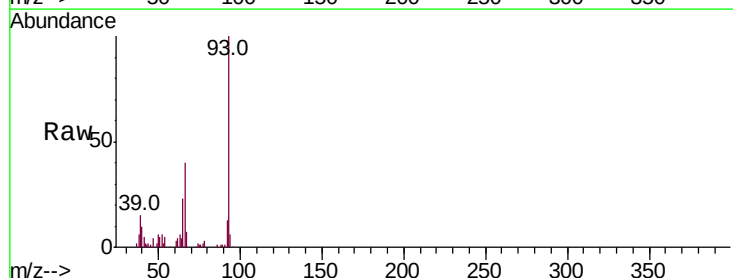
Tgt Ion: 93 Resp: 69740

Ion Ratio Lower Upper

93 100

66 40.5 33.8 50.8

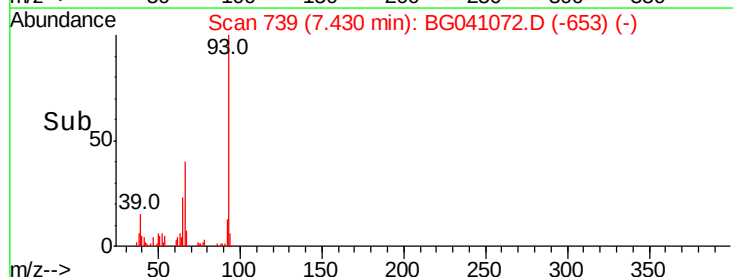
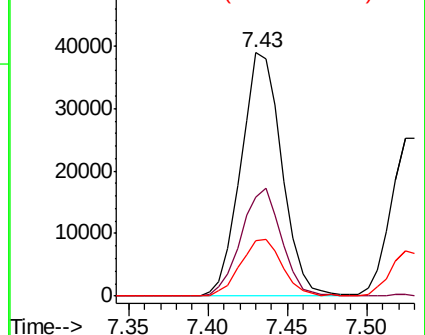
65 22.7 18.3 27.5

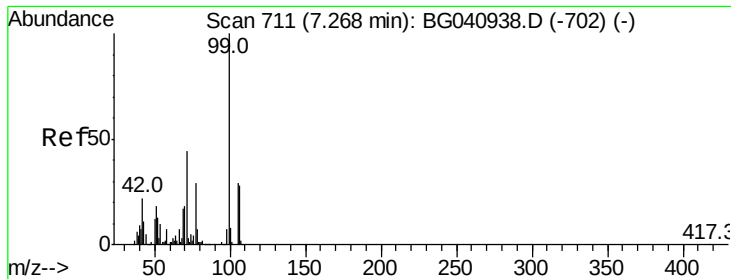


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 79.583 ng

RT: 7.25 min Scan# 709

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

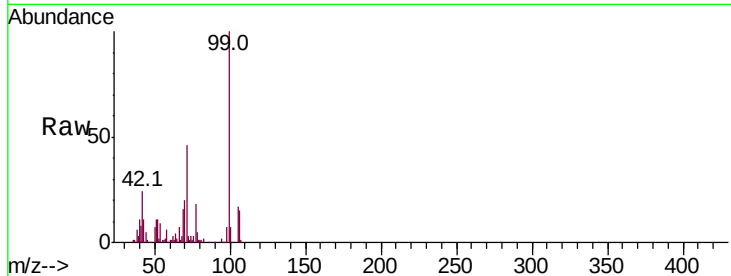
Tot Ion: 99 Resp: 242951

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

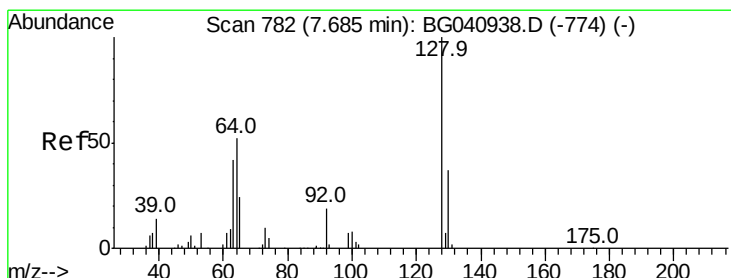
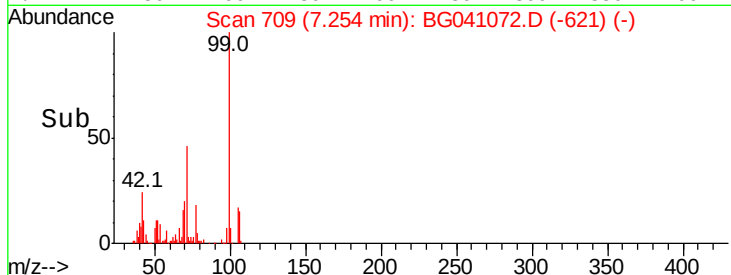
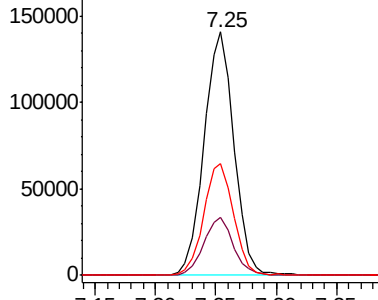
71 45.9 35.4 53.0



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 18.487 ng

RT: 7.67 min Scan# 779

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

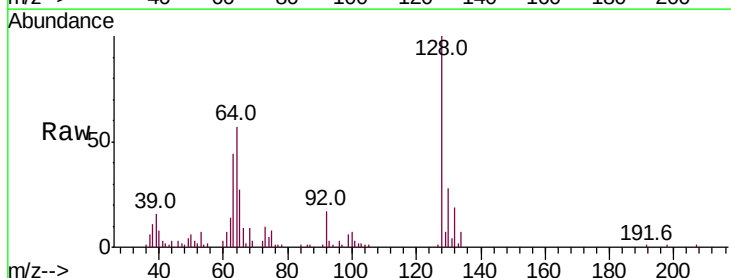
Tgt Ion: 128 Resp: 43566

Ion Ratio Lower Upper

128 100

130 28.1 16.6 56.6

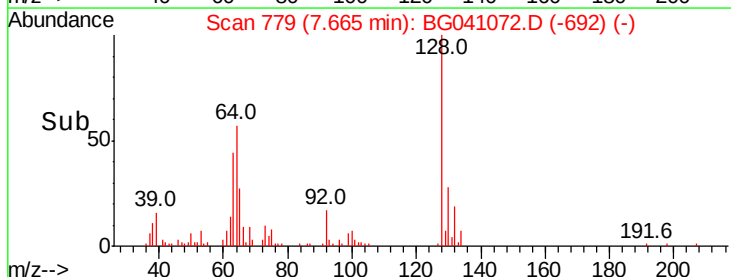
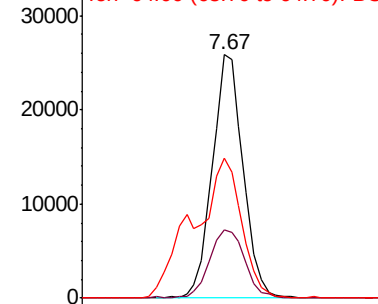
64 57.3 37.8 77.8

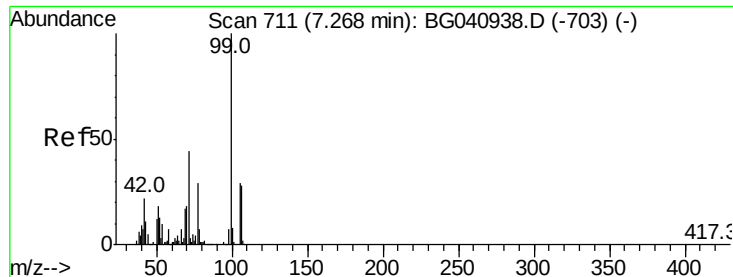


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 26.541 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

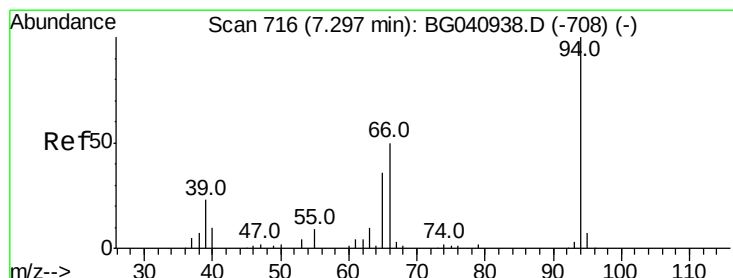
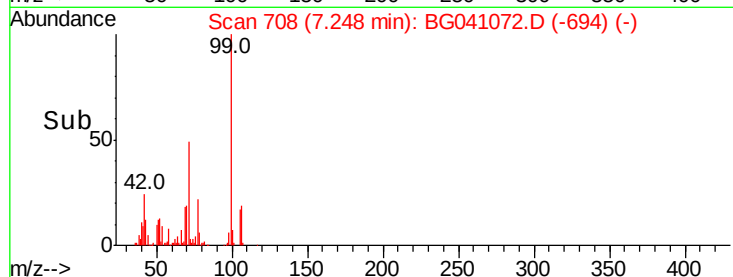
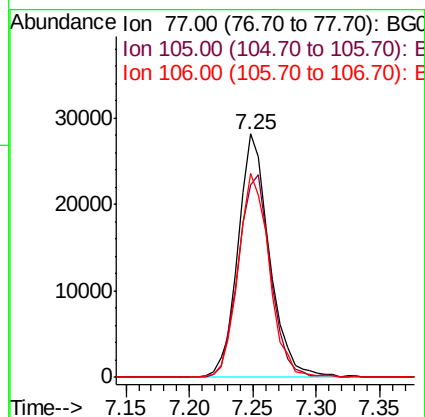
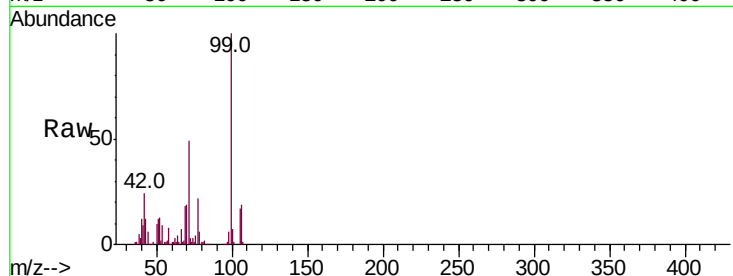
Tot Ion: 77 Resp: 48333

Ion Ratio Lower Upper

77 100

105 78.8 78.9 118.9#

106 84.0 76.7 116.7



#10

Phenol

Concen: 17.588 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

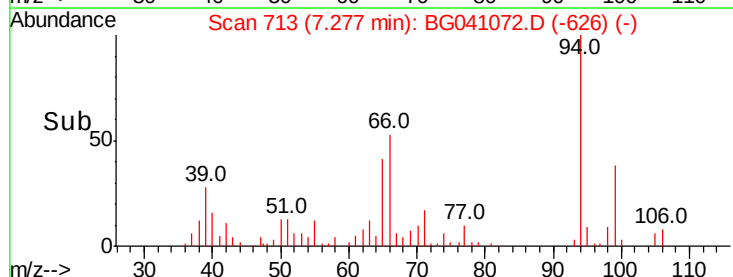
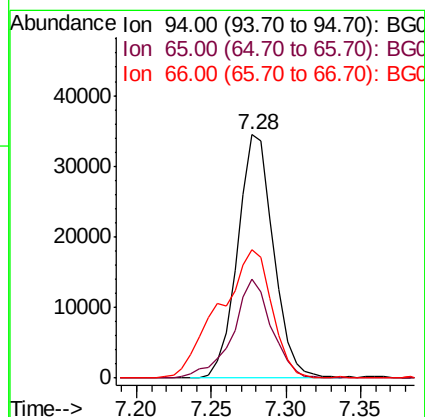
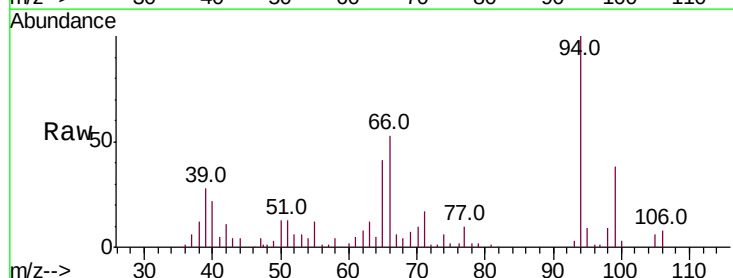
Tgt Ion: 94 Resp: 57570

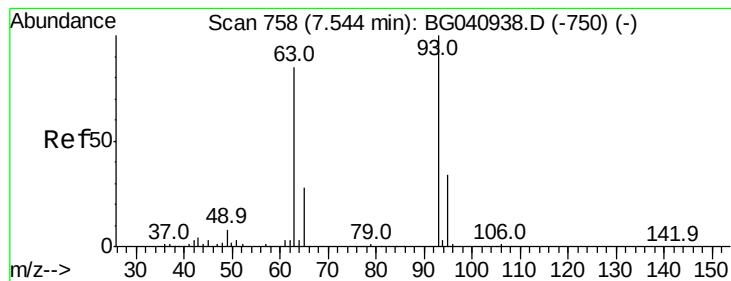
Ion Ratio Lower Upper

94 100

65 40.8 17.0 57.0

66 52.6 32.4 72.4





#11

bis(2-Chloroethyl)ether

Concen: 17.217 ng

RT: 7.52 min Scan# 755

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

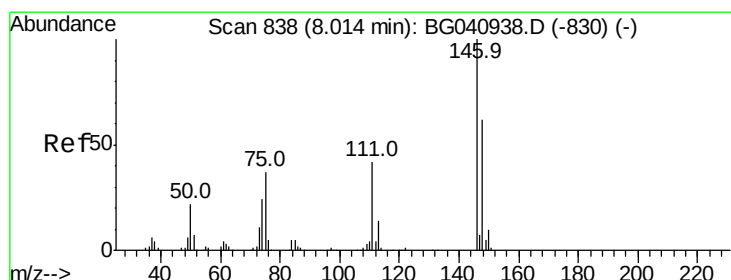
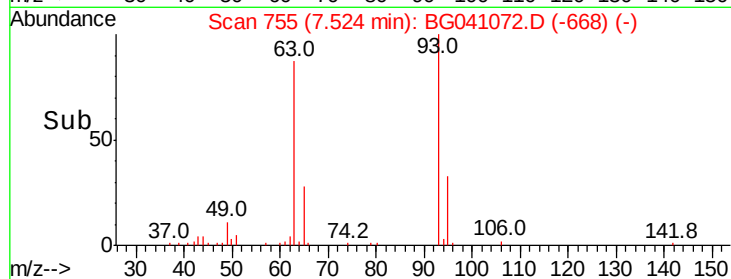
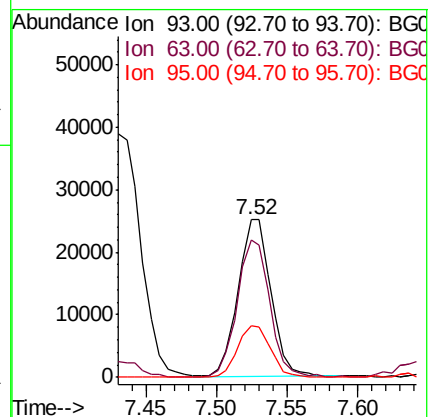
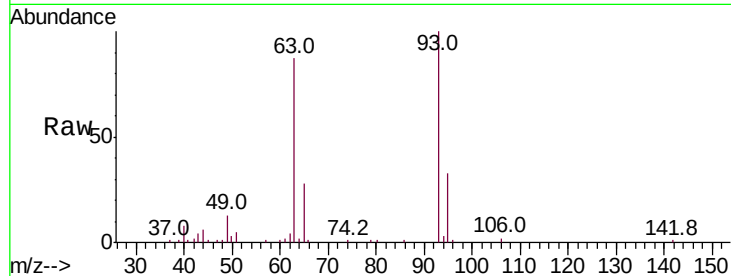
Tot Ion: 93 Resp: 40882

Ion Ratio Lower Upper

93 100

63 86.8 64.5 104.5

95 32.9 13.3 53.3



#12

1,3-Dichlorobenzene

Concen: 18.283 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

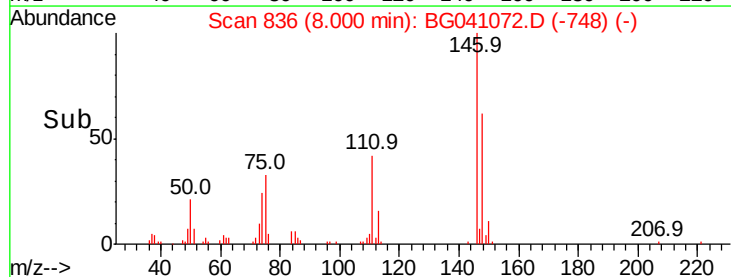
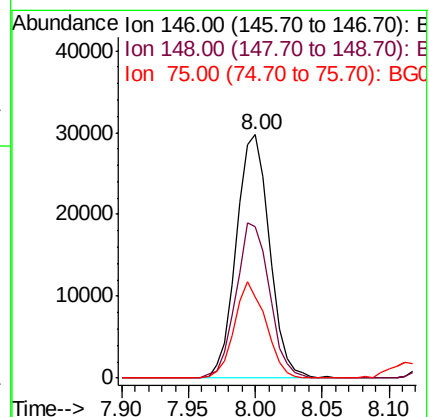
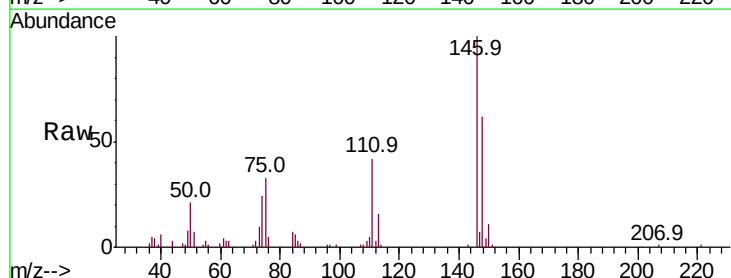
Tgt Ion:146 Resp: 51459

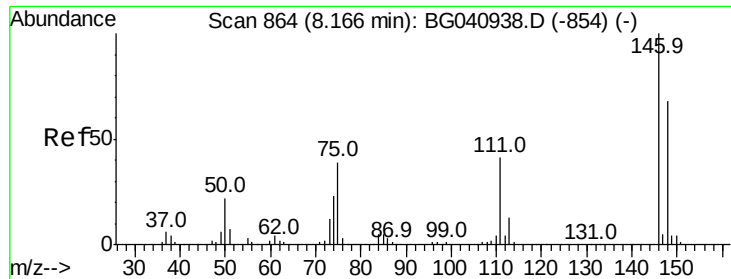
Ion Ratio Lower Upper

146 100

148 62.0 49.2 73.8

75 33.5 29.4 44.0

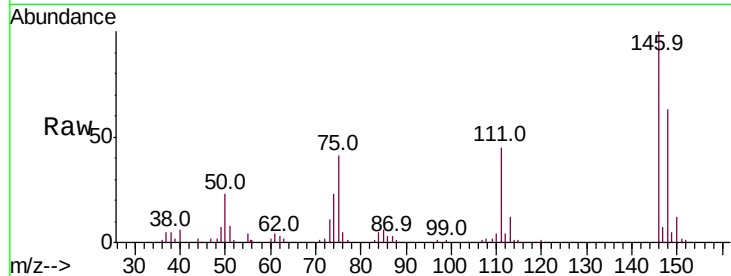




#13
 1,4-Dichlorobenzene
 Concen: 18.585 ng
 RT: 8.15 min Scan# 861
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.5	54.2	81.4
111	45.2	32.9	49.3

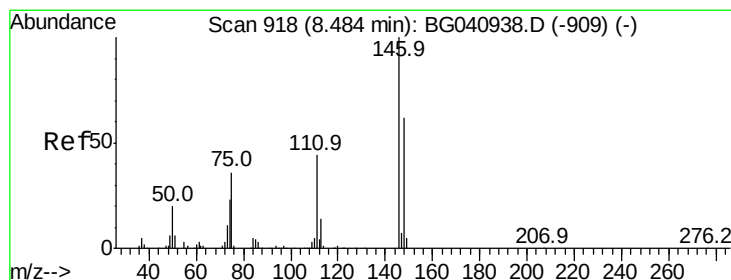
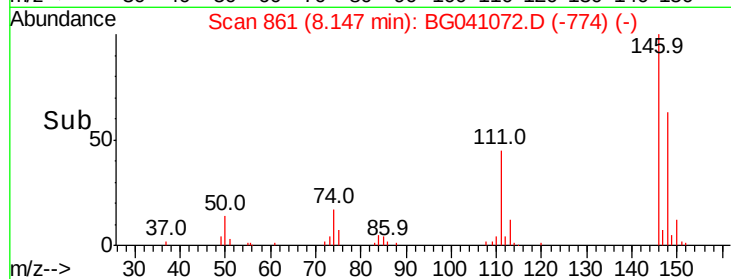
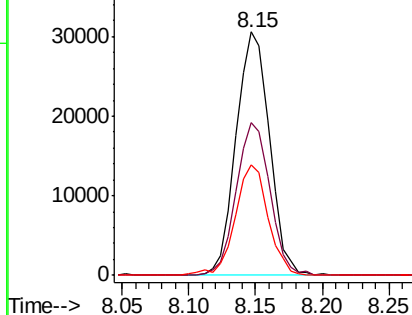


Abundance

Ion 146.00 (145.70 to 146.70): E

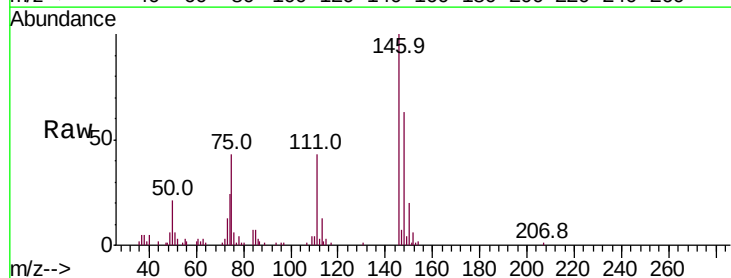
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 18.156 ng
 RT: 8.46 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.8	74.6
111	42.7	35.0	52.4

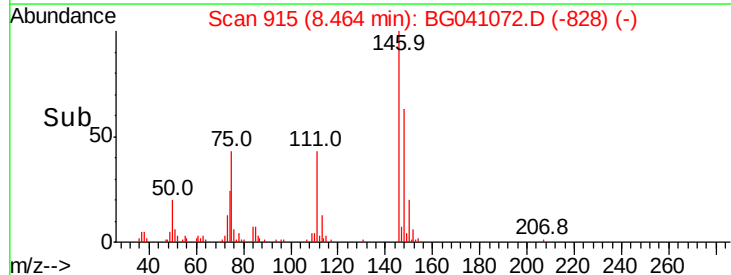
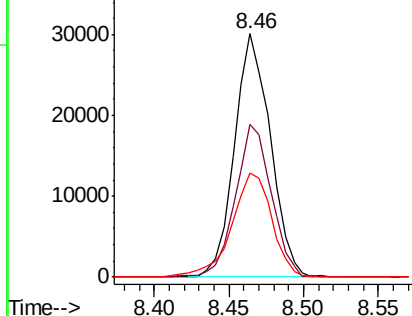


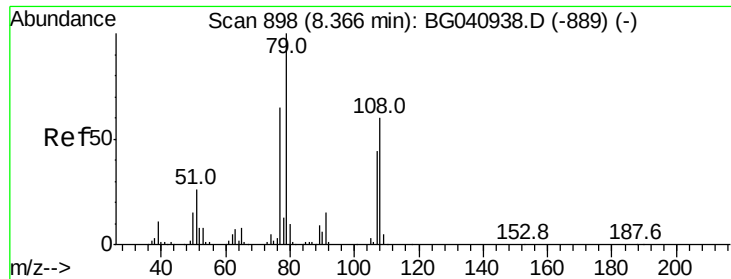
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

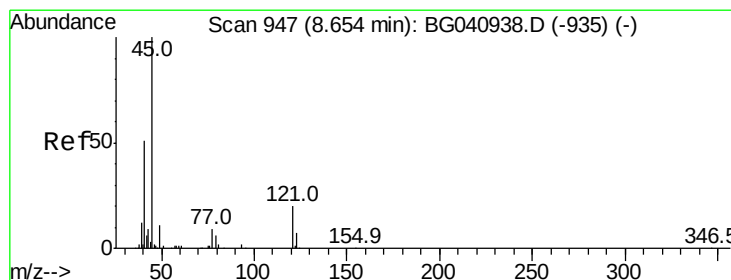
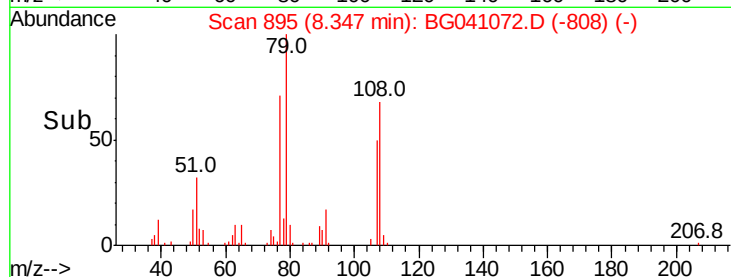
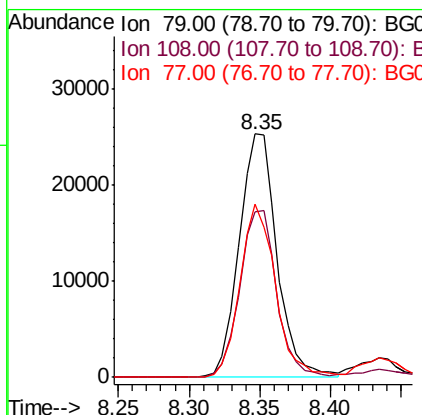
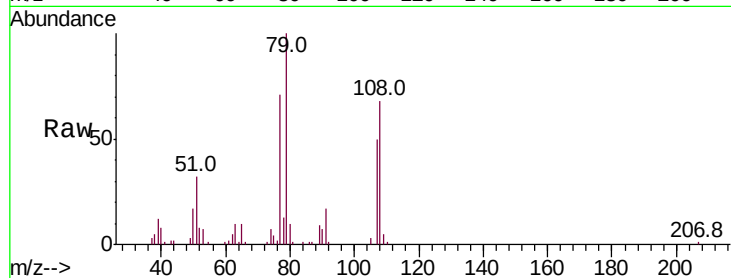




#15
Benzyl Alcohol
Concen: 16.810 ng
RT: 8.35 min Scan# 895
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

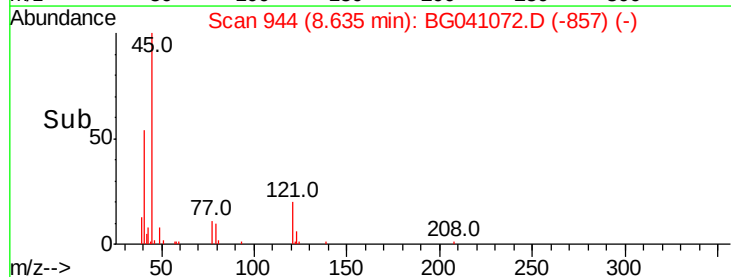
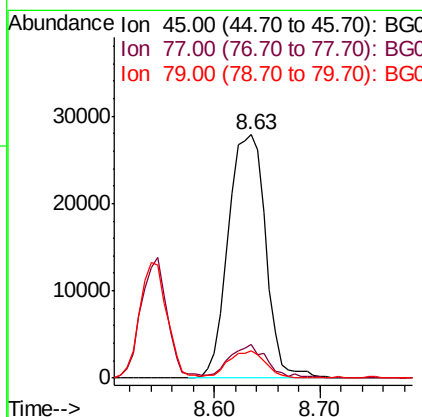
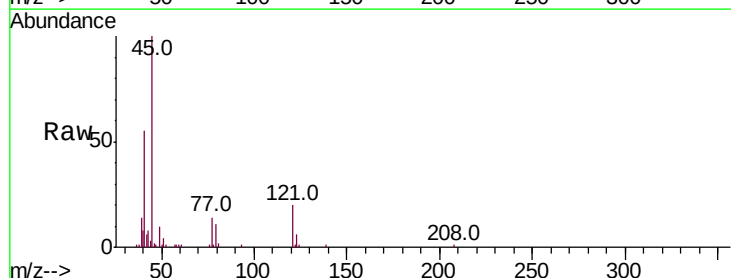
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

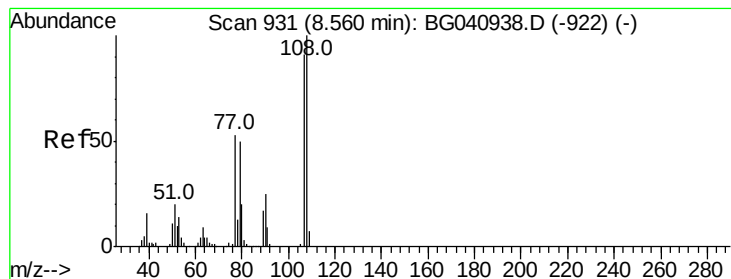
Tot Ion: 79 Resp: 47472
Ion Ratio Lower Upper
79 100
108 68.2 48.3 72.5
77 71.3 52.3 78.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 17.622 ng
RT: 8.63 min Scan# 944
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion: 45 Resp: 68375
Ion Ratio Lower Upper
45 100
77 13.6 0.0 33.7
79 11.4 0.0 30.2

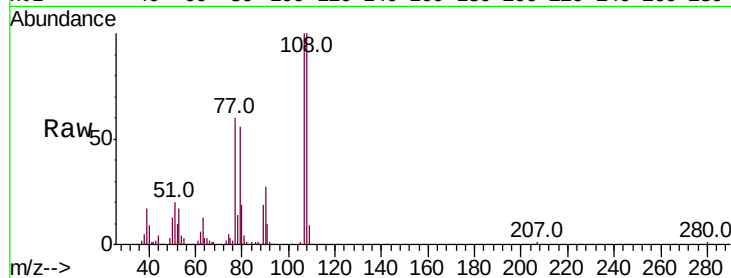




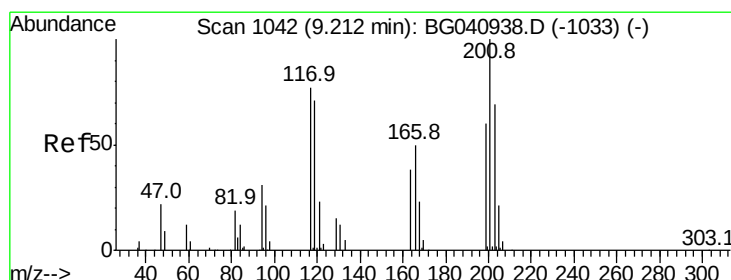
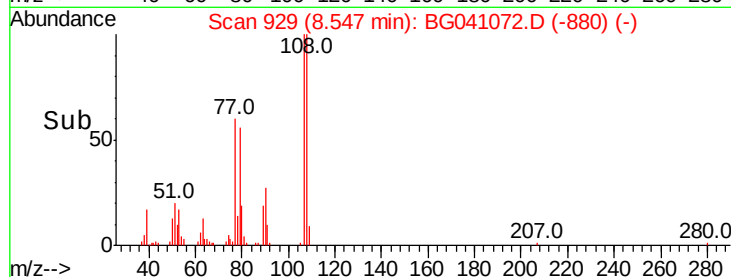
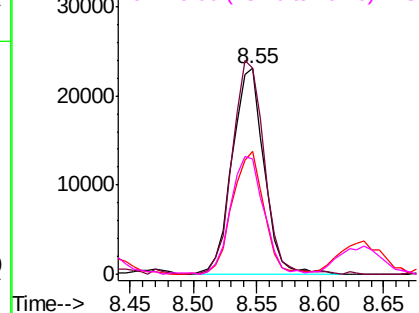
#17
2-Methylphenol
Concen: 16.926 ng
RT: 8.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:	107	Resp:	40115
Ion	Ratio	Lower	Upper
107	100		
108	100.2	87.7	131.5
77	60.1	46.6	70.0
79	56.0	44.6	66.8

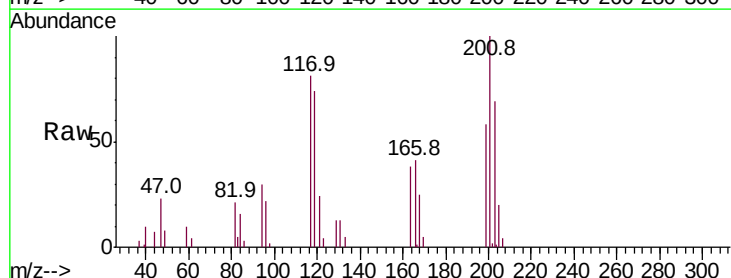


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

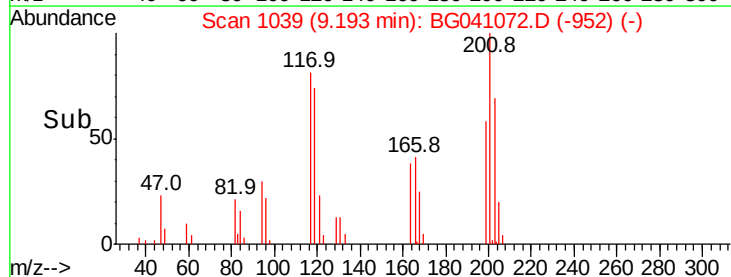
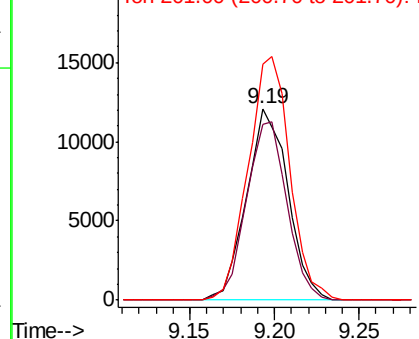


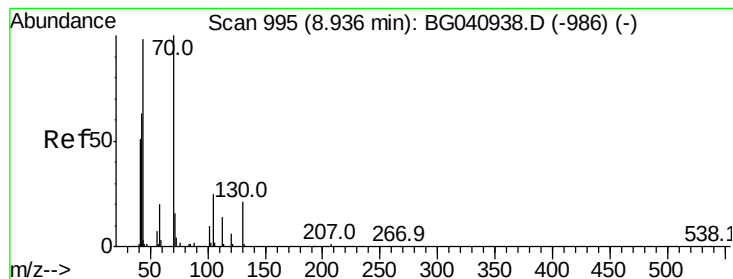
#18
Hexachloroethane
Concen: 18.811 ng
RT: 9.19 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:	117	Resp:	20656
Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.0	112.6
201	123.6	103.5	155.3



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.316 ng

RT: 8.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 70 Resp: 38330

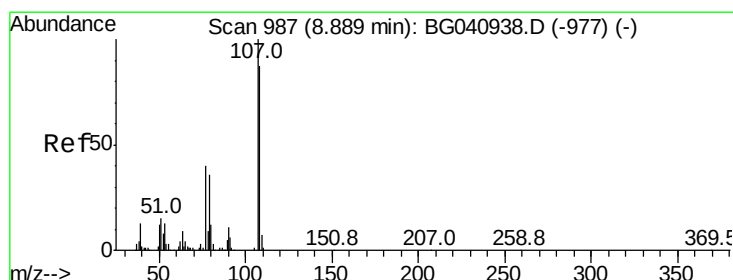
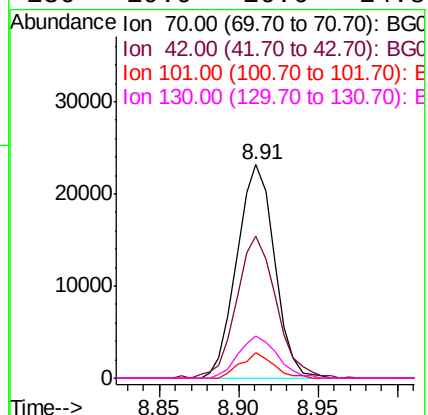
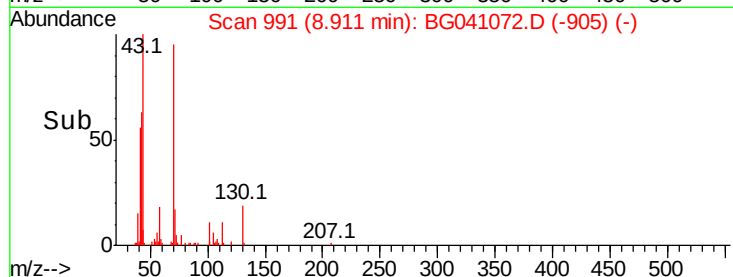
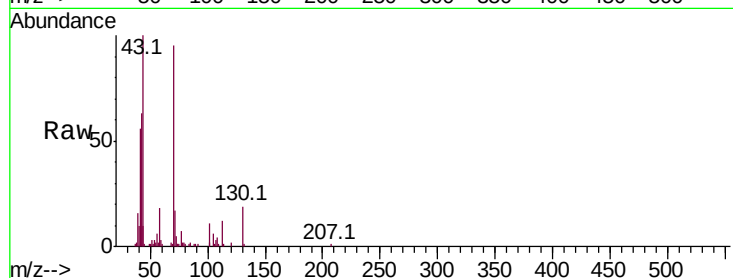
Ion Ratio Lower Upper

70 100

42 66.7 51.5 77.3

101 11.9 8.1 12.1

130 19.9 16.6 24.8



#20

3+4-Methylphenols

Concen: 16.274 ng

RT: 8.87 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Tgt Ion: 107 Resp: 53425

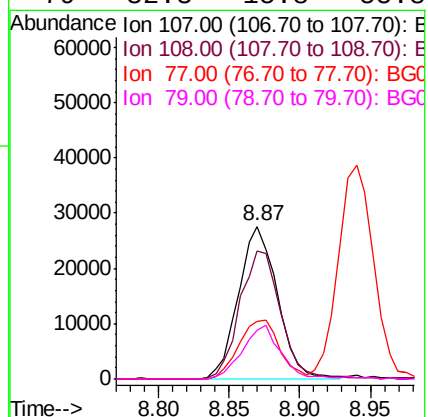
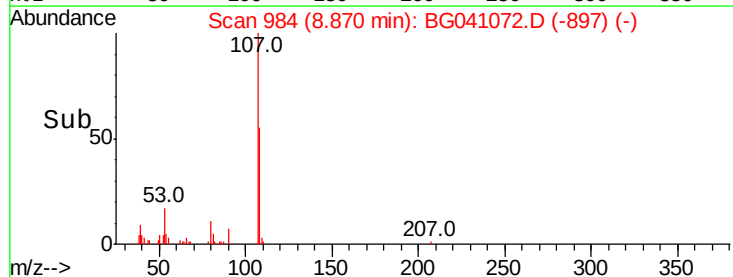
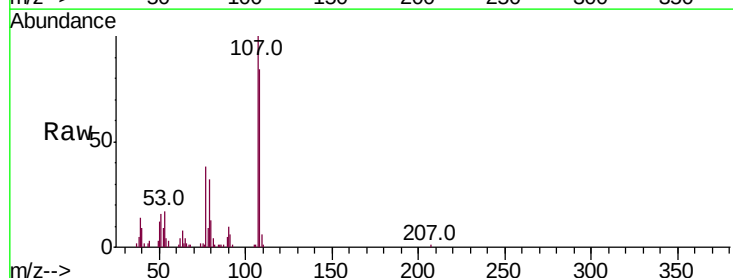
Ion Ratio Lower Upper

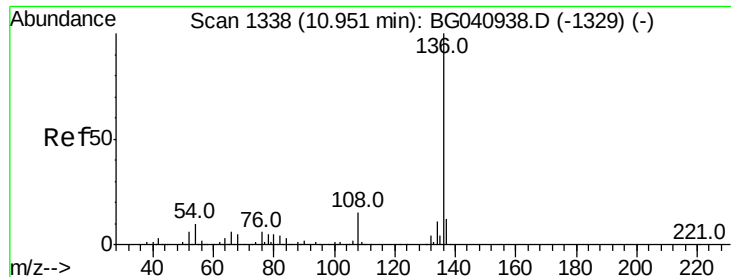
107 100

108 83.8 66.8 106.8

77 38.1 20.5 60.5

79 32.3 15.8 55.8

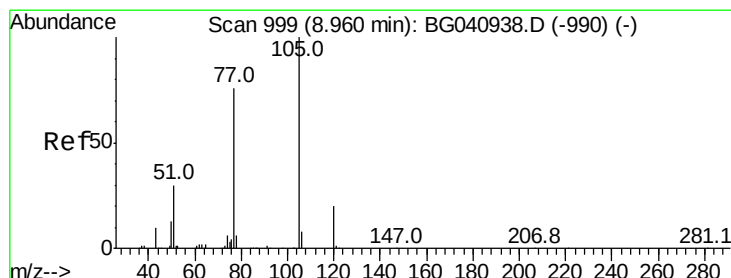
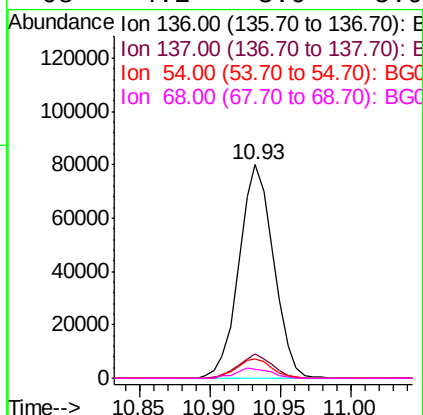
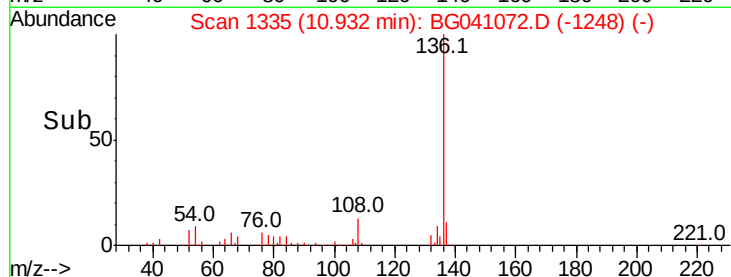
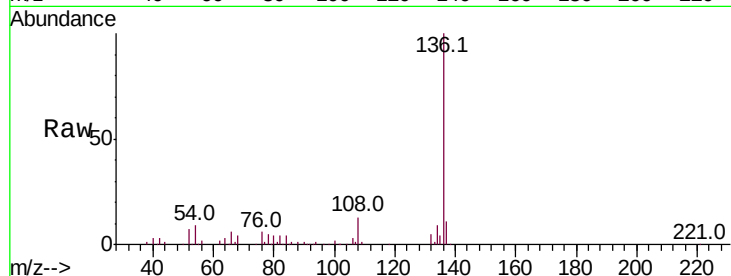




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

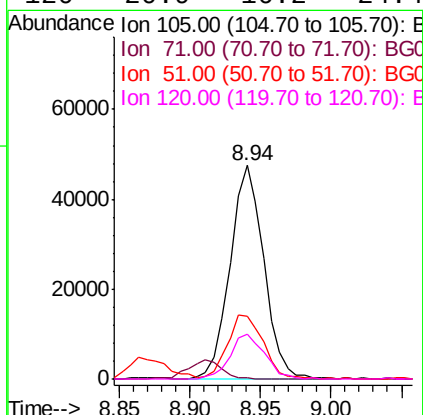
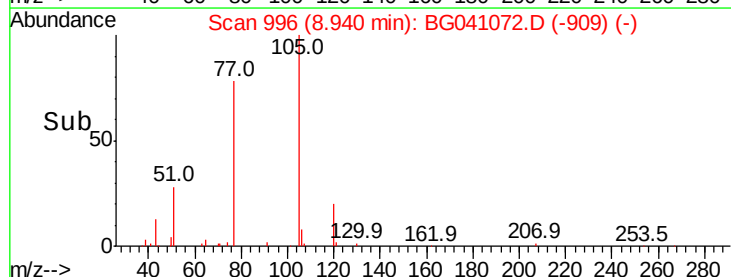
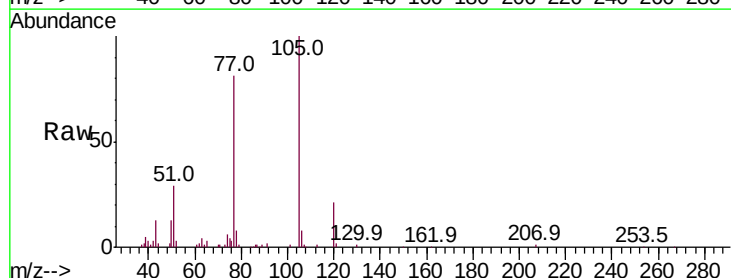
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

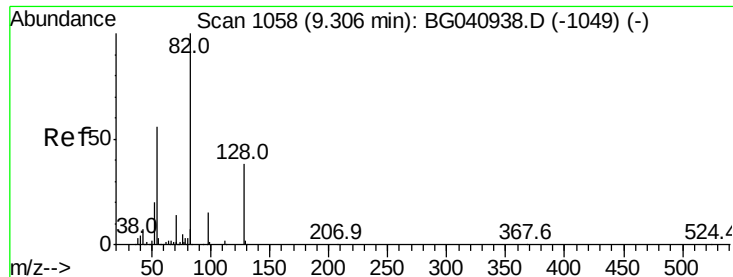
Tot Ion:136	Resp:	136703	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.5	14.3	
54 9.0	7.6	11.4	
68 4.2	3.9	5.9	



#22
Acetophenone
Concen: 20.658 ng
RT: 8.94 min Scan# 996
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt	Ion:105	Resp:	79220
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.4	0.6
51	29.5	27.0	40.6
120	20.9	16.2	24.4





#23

Nitrobenzene-d5

Concen: 52.359 ng

RT: 9.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

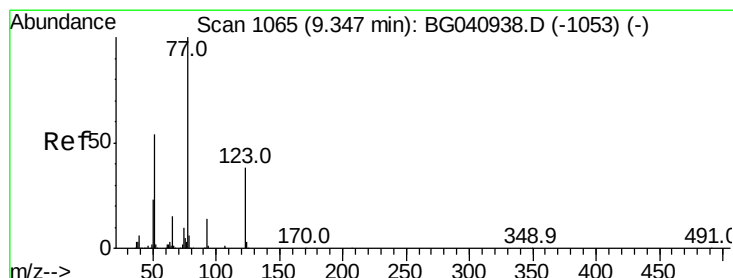
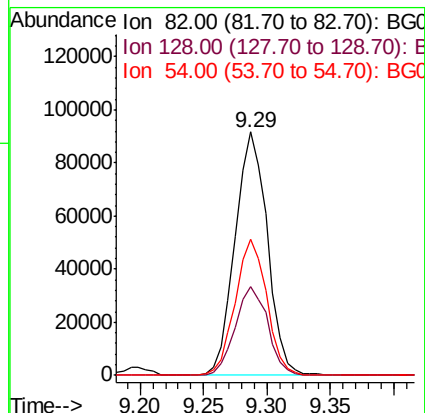
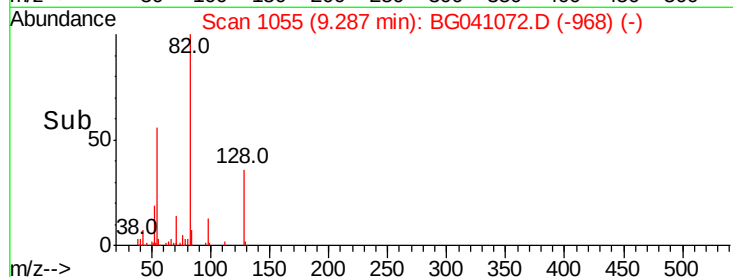
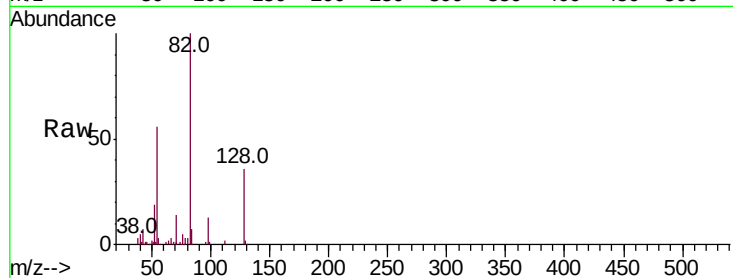
Tot Ion: 82 Resp: 161230

Ion Ratio Lower Upper

82 100

128 36.3 30.5 45.7

54 55.9 44.6 66.8



#24

Nitrobenzene

Concen: 19.785 ng

RT: 9.33 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

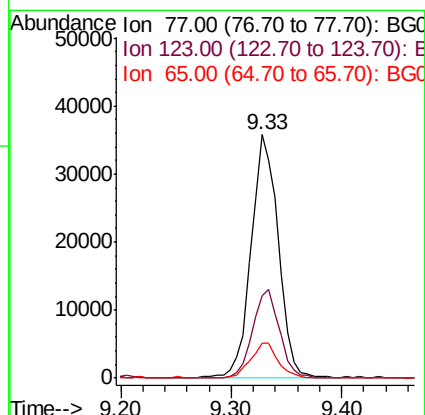
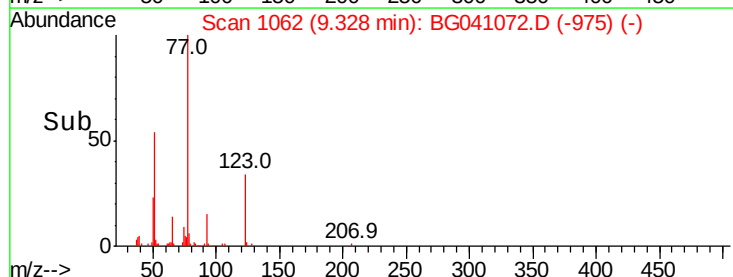
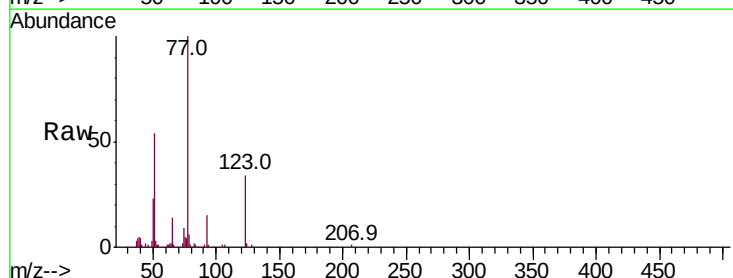
Tgt Ion: 77 Resp: 62088

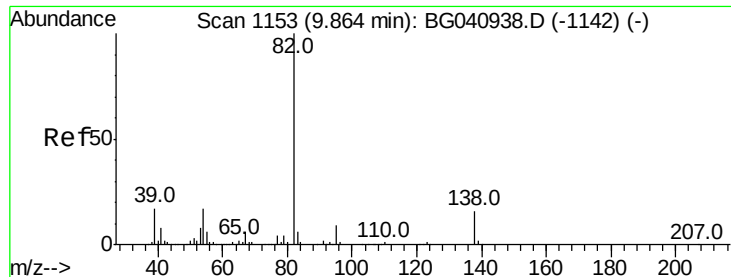
Ion Ratio Lower Upper

77 100

123 33.7 30.6 46.0

65 14.2 12.3 18.5





#25

Isophorone

Concen: 18.245 ng

RT: 9.85 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

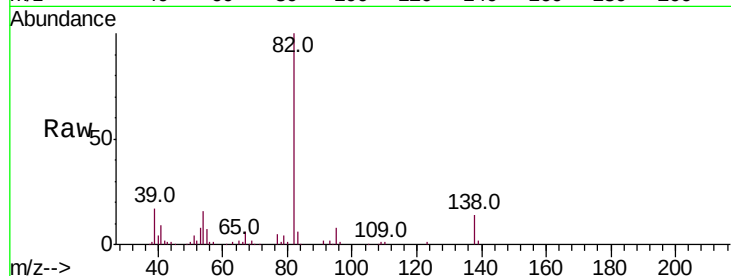
Tot Ion: 82 Resp: 106920

Ion Ratio Lower Upper

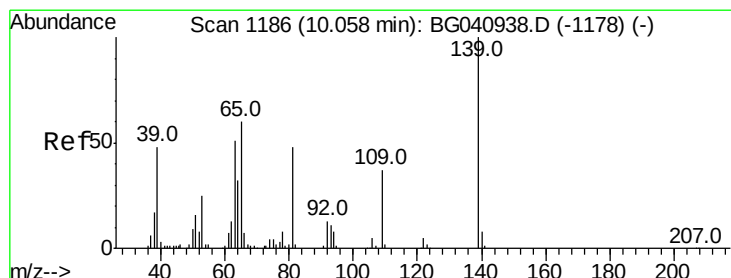
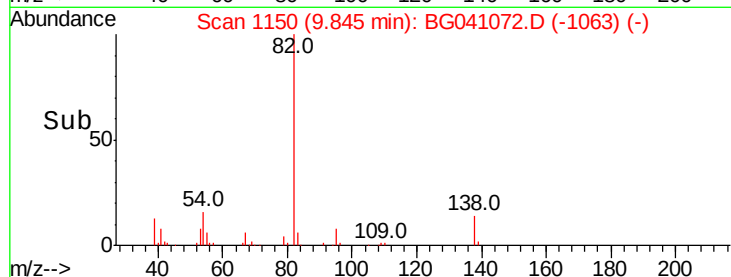
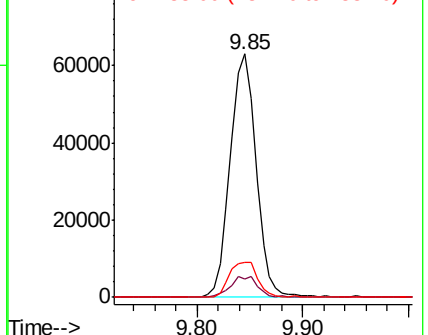
82 100

95 7.6 7.0 10.4

138 14.4 12.6 19.0



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: 19.911 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

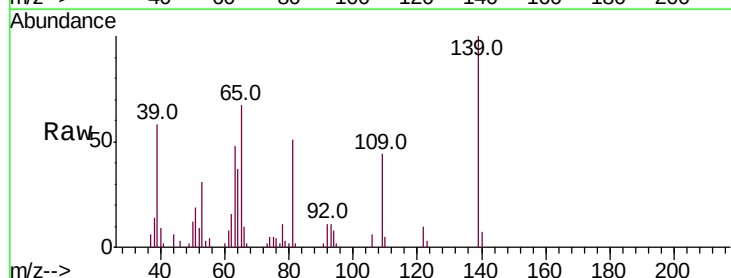
Tgt Ion: 139 Resp: 25759

Ion Ratio Lower Upper

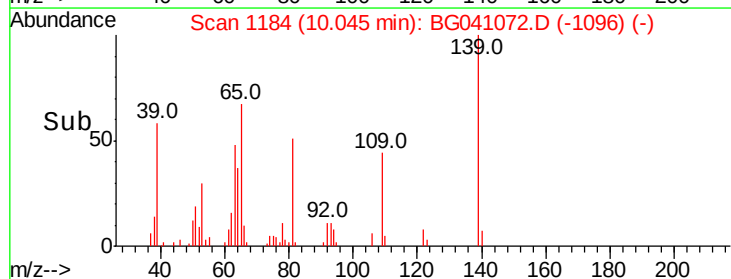
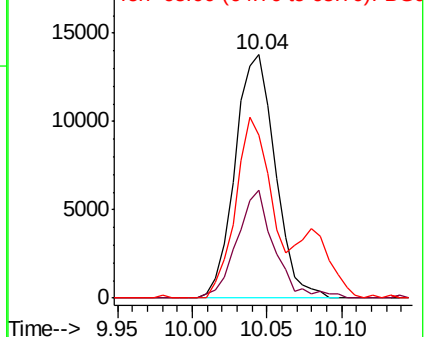
139 100

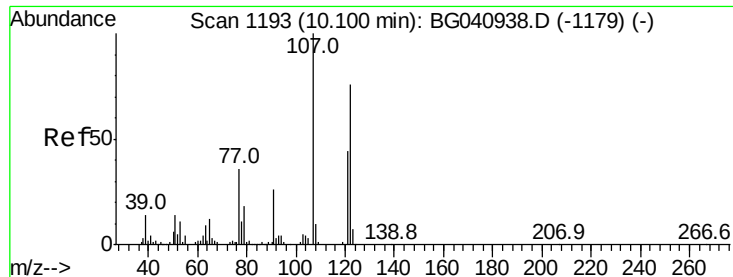
109 44.5 29.8 44.6

65 67.0 47.8 71.6



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

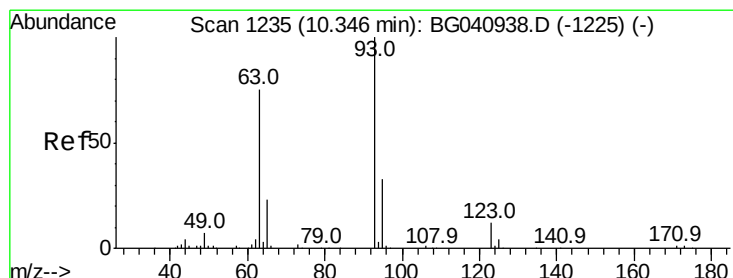
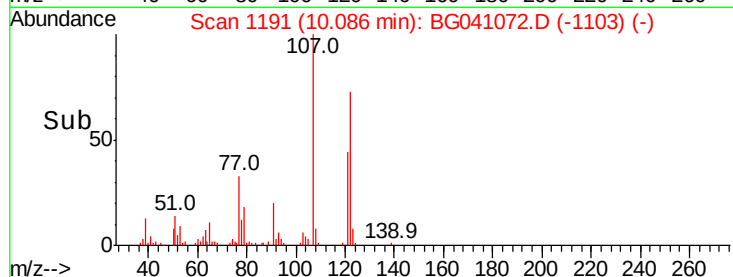
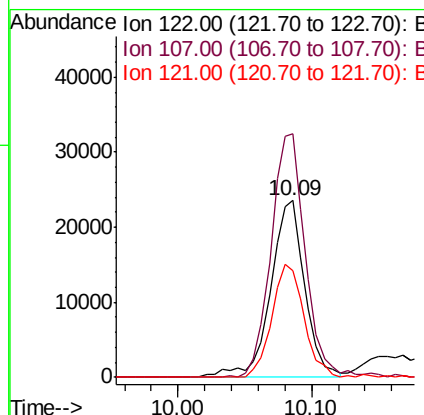
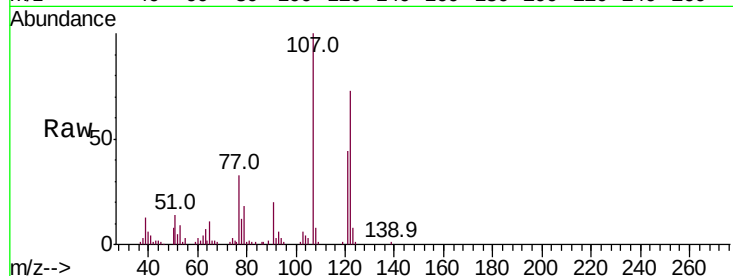




#27
2,4-Dimethylphenol
Concen: 19.642 ng
RT: 10.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

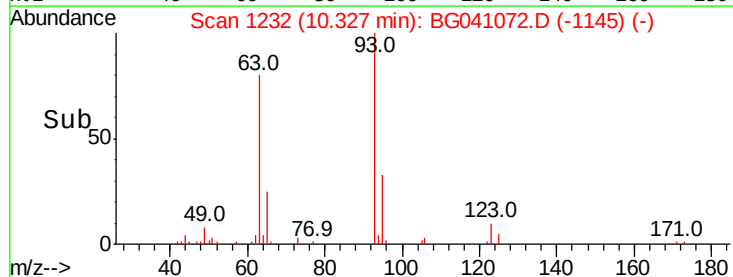
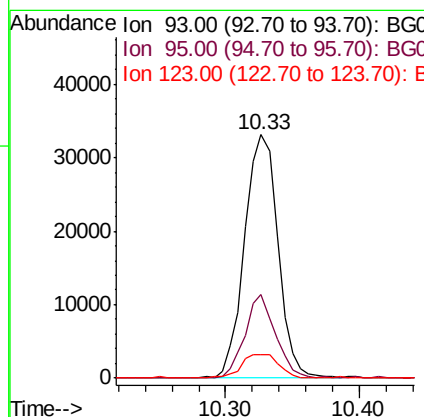
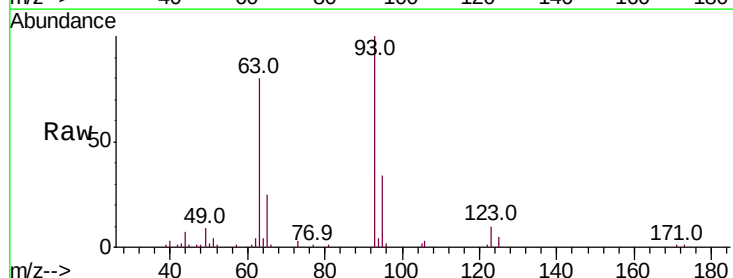
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

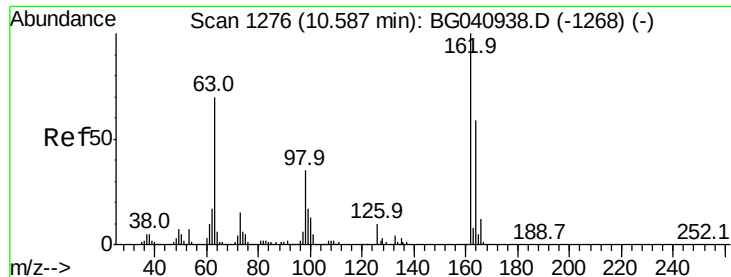
Tot Ion:122 Resp: 41967
Ion Ratio Lower Upper
122 100
107 137.8 105.9 158.9
121 60.2 46.2 69.4



#28
bis(2-Chloroethoxy)methane
Concen: 18.057 ng
RT: 10.33 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion: 93 Resp: 57113
Ion Ratio Lower Upper
93 100
95 34.1 26.2 39.2
123 9.8 9.5 14.3

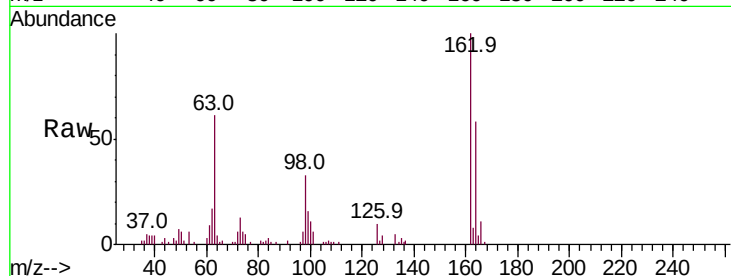




#29
2,4-Dichlorophenol
Concen: 17.348 ng
RT: 10.57 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
162	100		
164	57.9	39.4	79.4
98	32.7	15.3	55.3

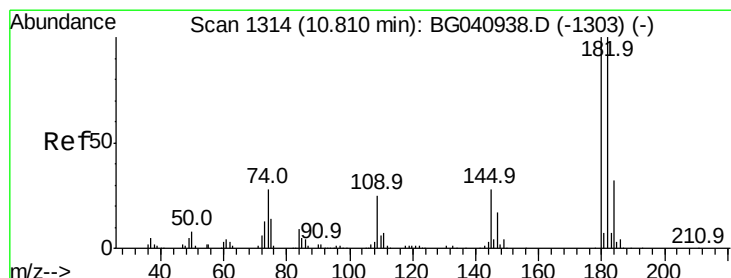
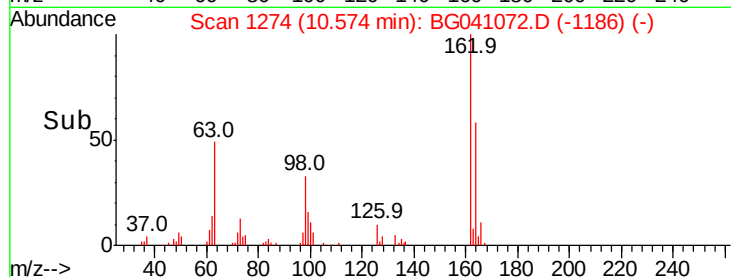
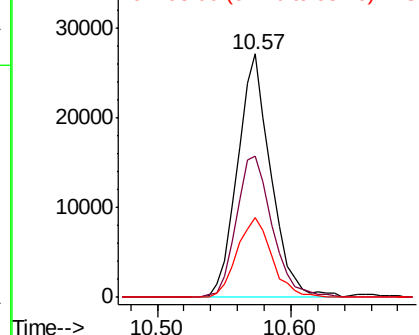


Abundance

Ion 162.00 (161.70 to 162.70): E

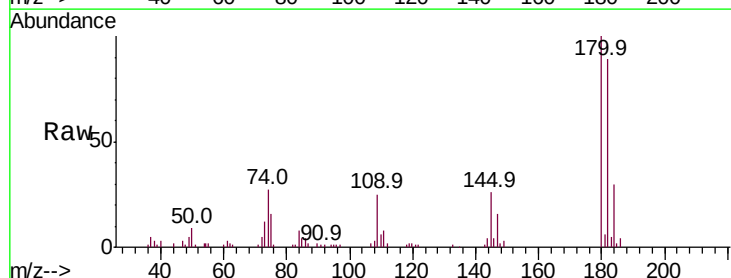
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#30
1,2,4-Trichlorobenzene
Concen: 18.701 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	79.7	119.5
145	25.9	22.6	34.0

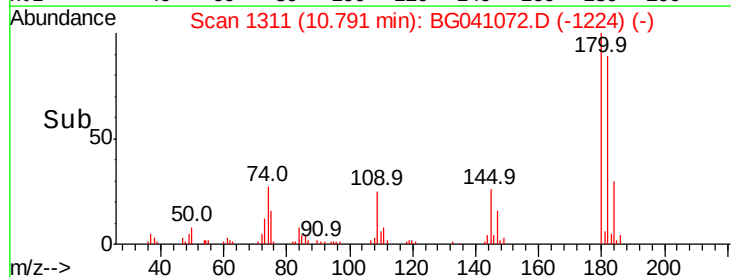
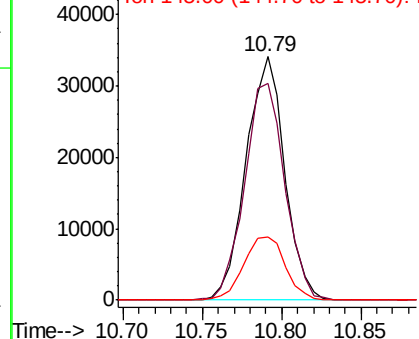


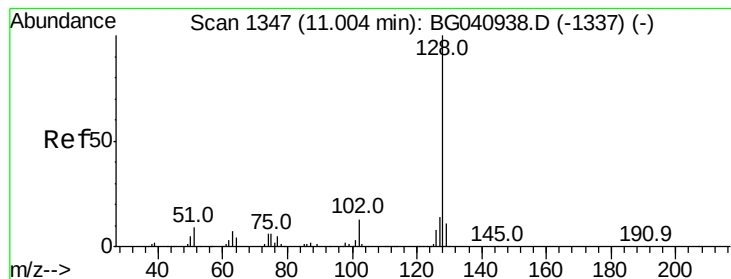
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

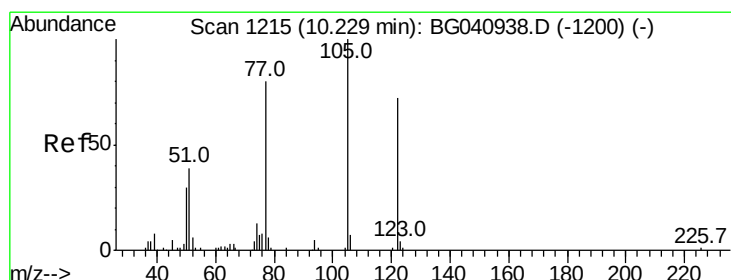
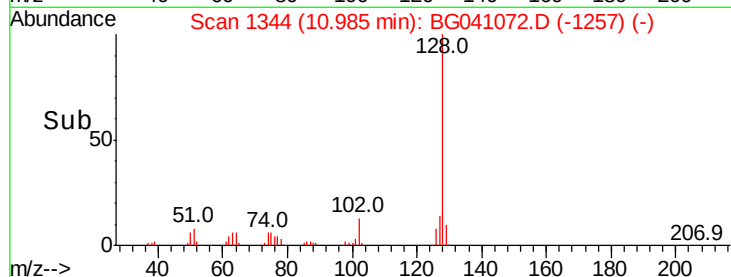
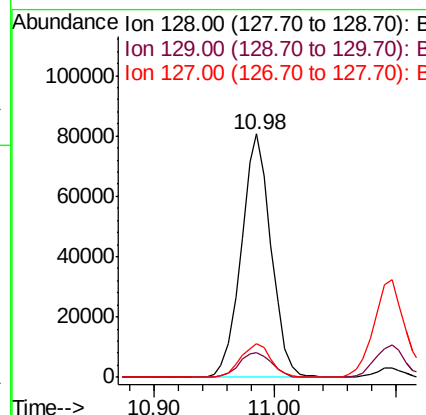
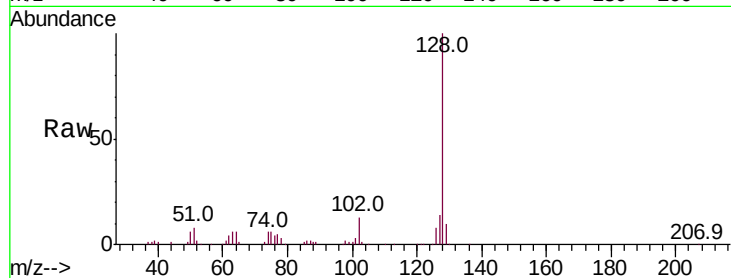




#31
Naphthalene
Concen: 18.834 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

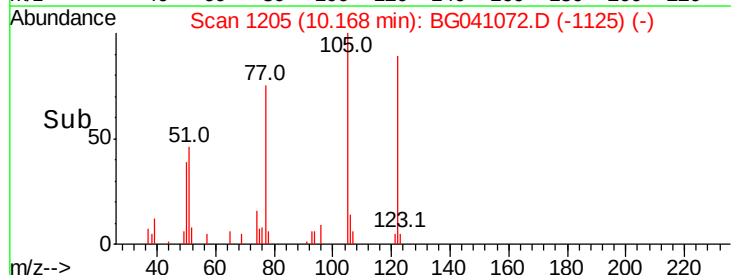
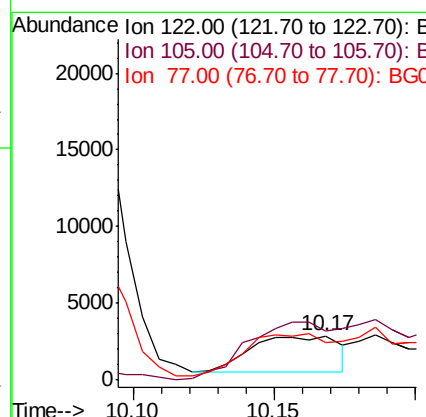
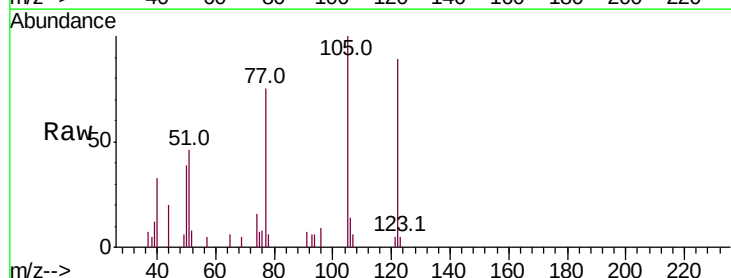
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

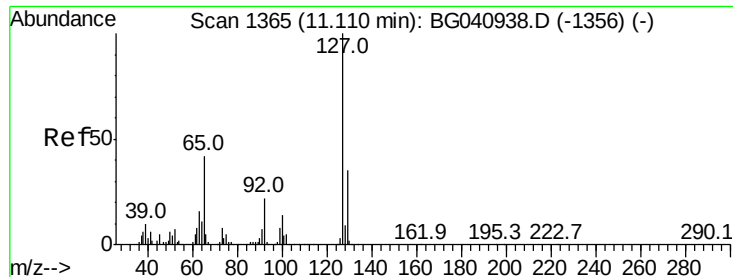
Tot Ion:128 Resp: 138236
Ion Ratio Lower Upper
128 100
129 10.4 8.5 12.7
127 13.7 11.4 17.2



#32
Benzoic acid
Concen: 10.692 ng
RT: 10.17 min Scan# 1205
Delta R.T. -0.06 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:122 Resp: 5125
Ion Ratio Lower Upper
122 100
105 112.1 114.8 154.8#
77 83.8 89.9 129.9#

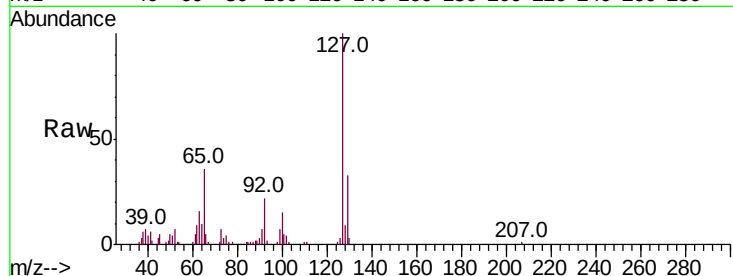




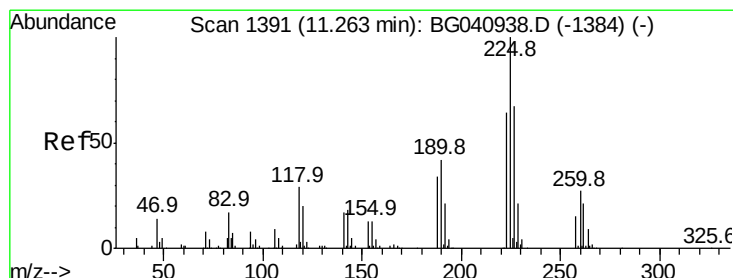
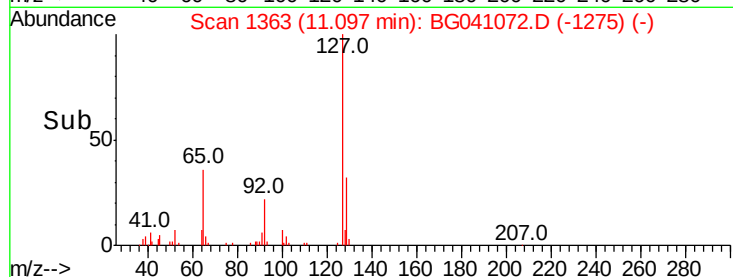
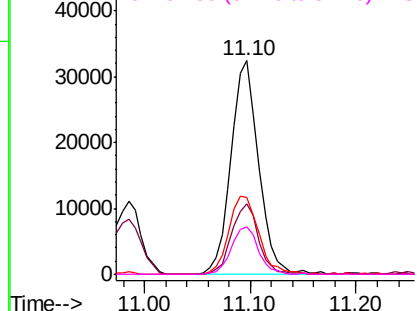
#33
4-Chloroaniline
Concen: 17.221 ng
RT: 11.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:127	Resp:	58648	
Ion Ratio	Lower	Upper	
127 100			
129 33.0	27.7	41.5	
65 36.1	33.2	49.8	
92 22.4	17.2	25.8	

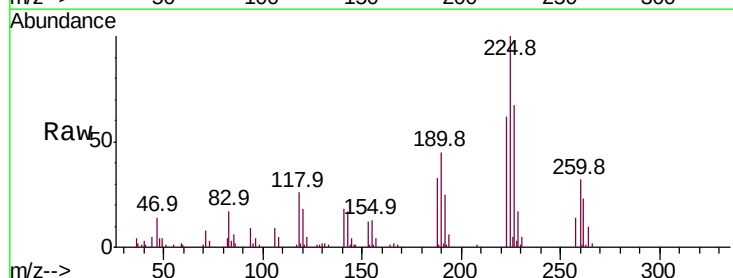


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

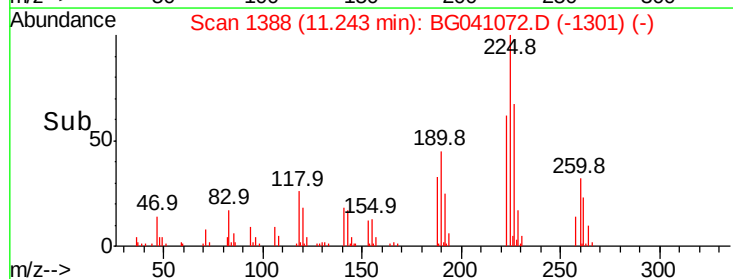
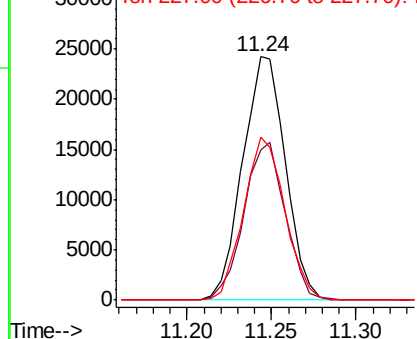


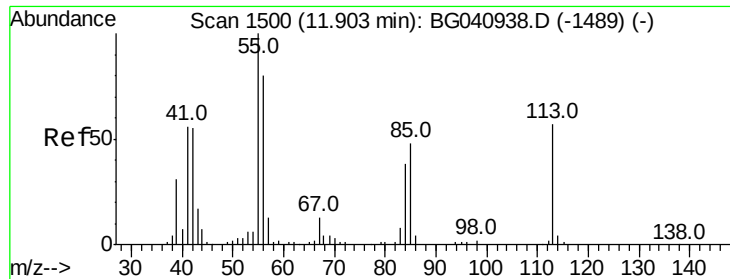
#34
Hexachlorobutadiene
Concen: 18.051 ng
RT: 11.24 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:225	Resp: 42630
Ion Ratio	Lower Upper
225 100	
223 61.6	48.8 73.2
227 70.4	51.4 77.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 17.031 ng

RT: 11.86 min Scan# 1493

Delta R.T. -0.04 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

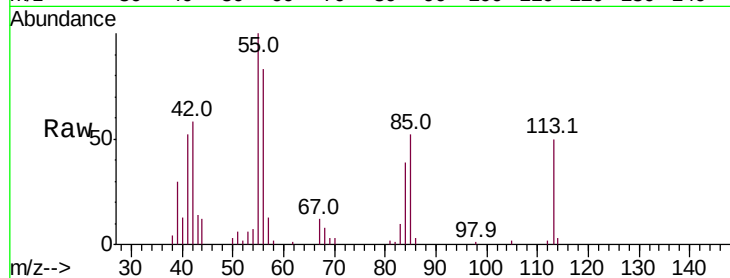
Tot Ion:113 Resp: 15259

Ion Ratio Lower Upper

113 100

55 201.7 155.9 195.9#

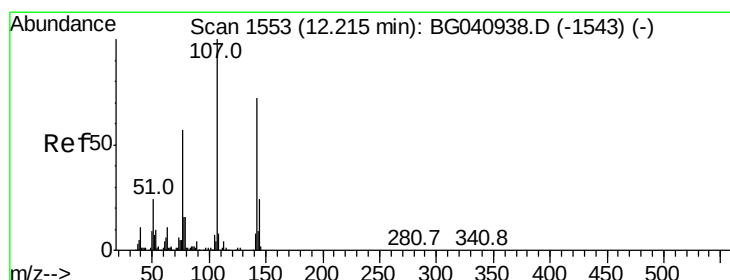
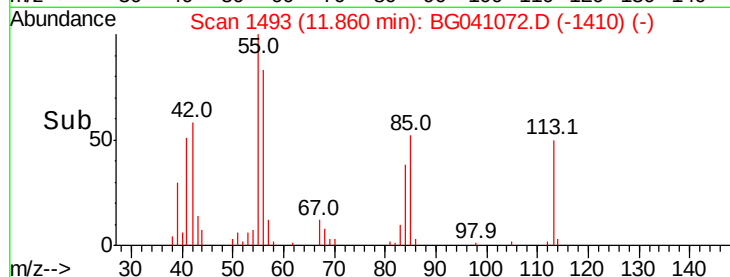
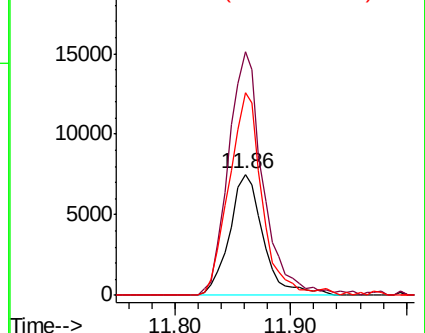
56 168.3 119.9 159.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 17.801 ng

RT: 12.20 min Scan# 1550

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

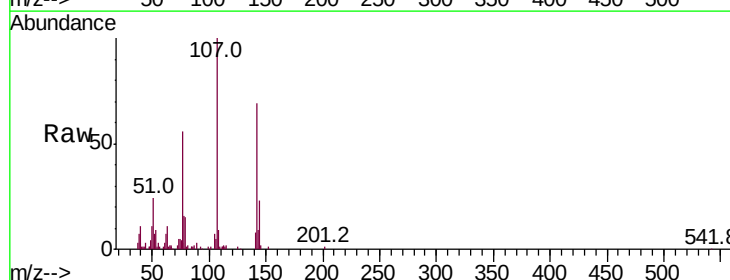
Tgt Ion:107 Resp: 55158

Ion Ratio Lower Upper

107 100

144 23.1 19.4 29.0

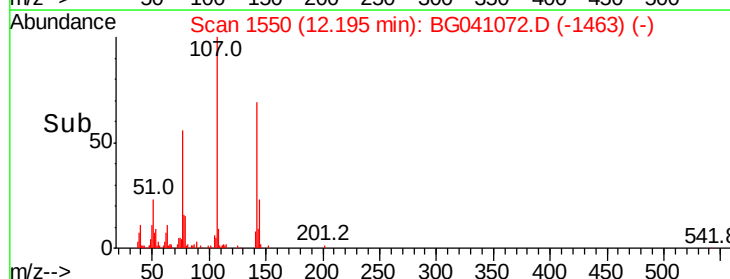
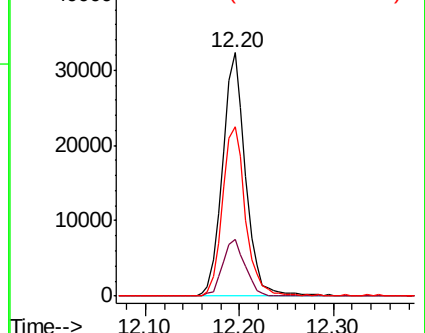
142 69.4 57.3 85.9

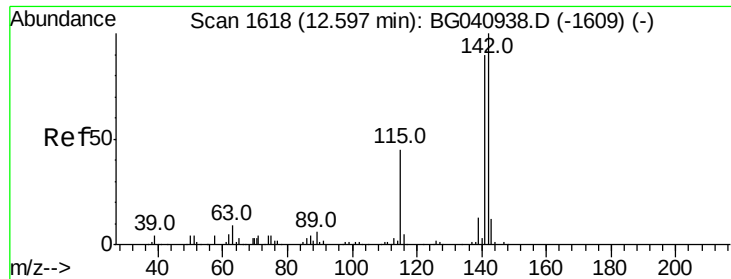


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 18.167 ng

RT: 12.58 min Scan# 1615

Delta R.T. -0.02 min

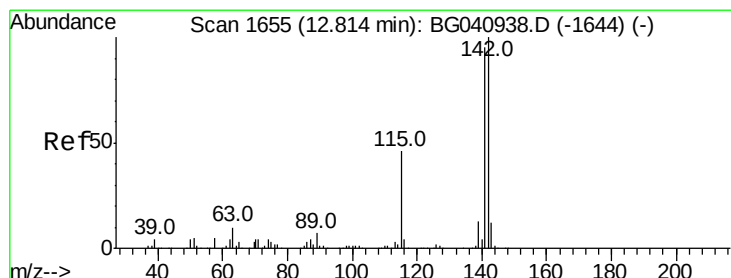
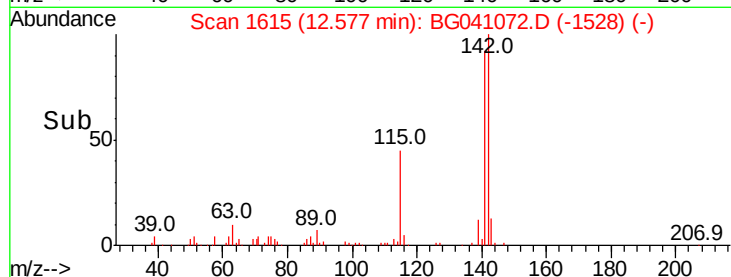
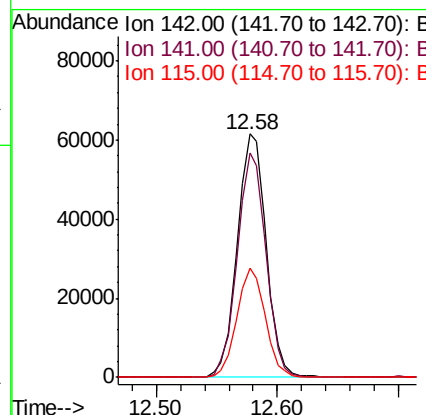
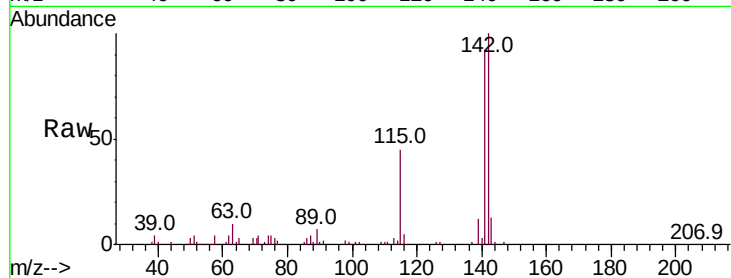
Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:142 Resp: 102694

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.2	108.4
115	44.8	36.2	54.4



#38

1-Methylnaphthalene

Concen: 18.230 ng

RT: 12.79 min Scan# 1652

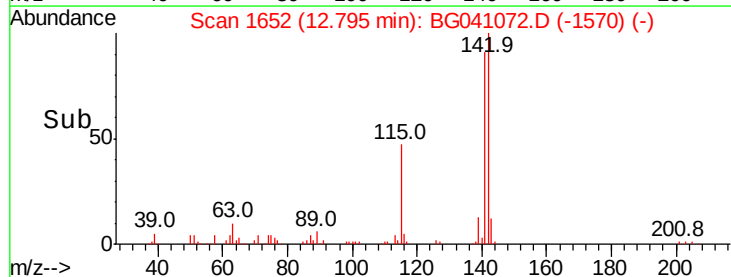
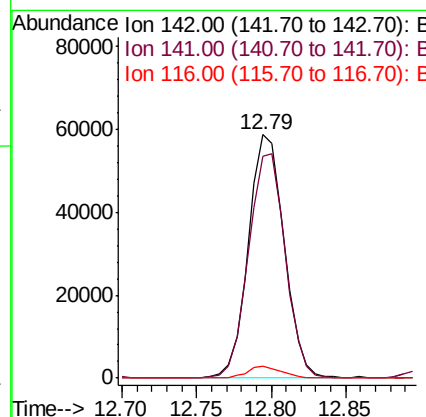
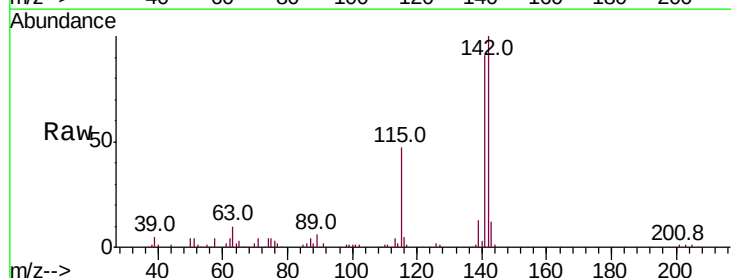
Delta R.T. -0.02 min

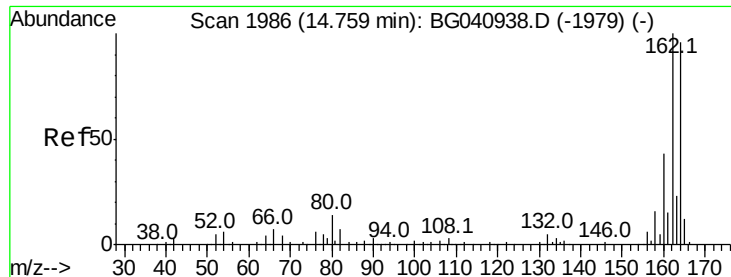
Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Tgt Ion:142 Resp: 97108

Ion	Ratio	Lower	Upper
142	100		
141	90.9	75.7	113.5
116	4.9	3.4	5.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

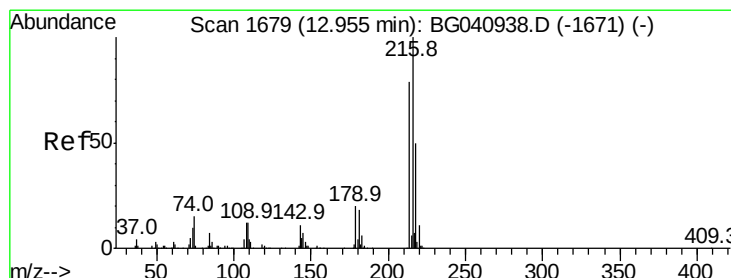
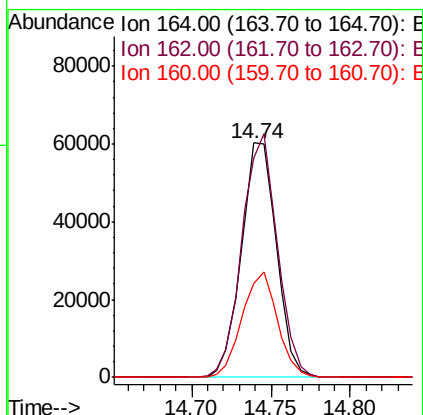
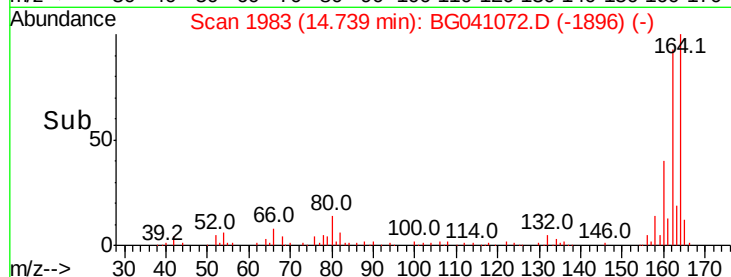
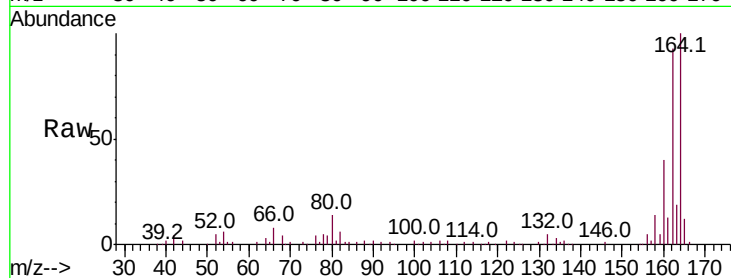
Tot Ion:164 Resp: 93042

Ion Ratio Lower Upper

164 100

162 93.3 83.0 124.4

160 40.3 35.6 53.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 20.849 ng

RT: 12.94 min Scan# 1676

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Tgt Ion:216 Resp: 78185

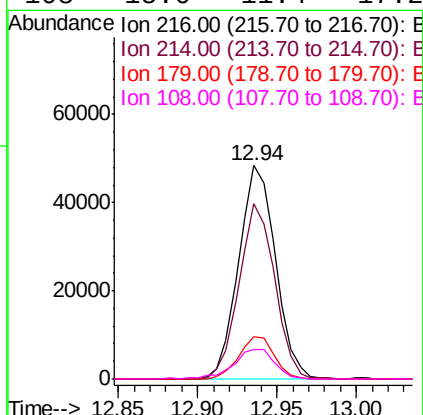
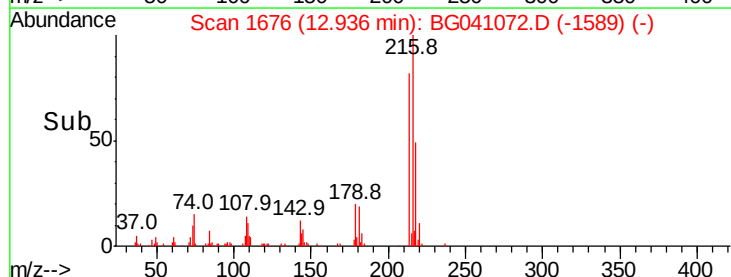
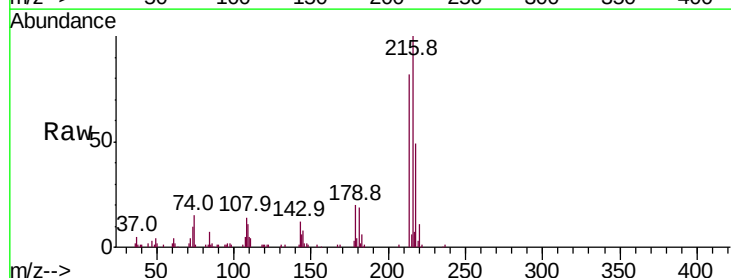
Ion Ratio Lower Upper

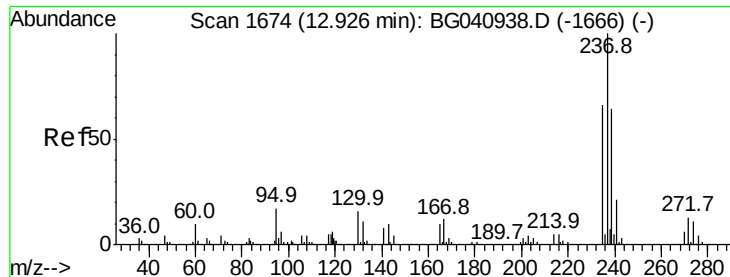
216 100

214 79.3 63.4 95.2

179 19.1 15.2 22.8

108 15.6 11.4 17.2





#41

Hexachlorocyclopentadiene

Concen: 24.090 ng

RT: 12.91 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

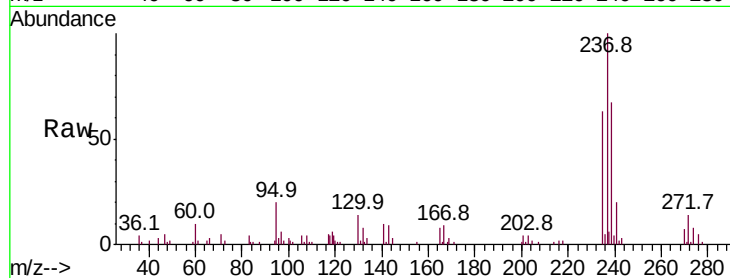
Tot Ion:237 Resp: 35629

Ion Ratio Lower Upper

237 100

235 62.8 45.5 85.5

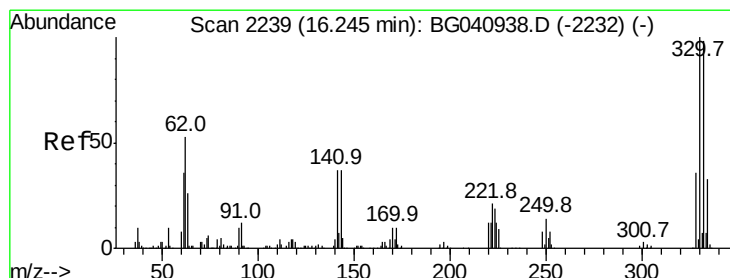
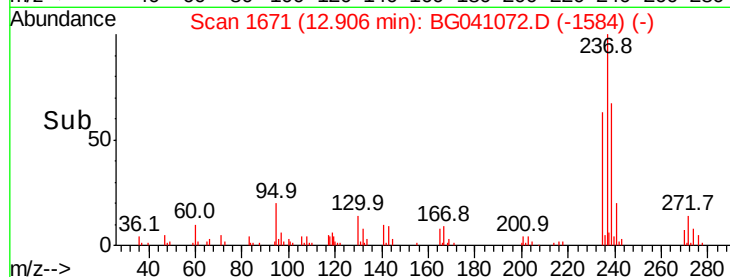
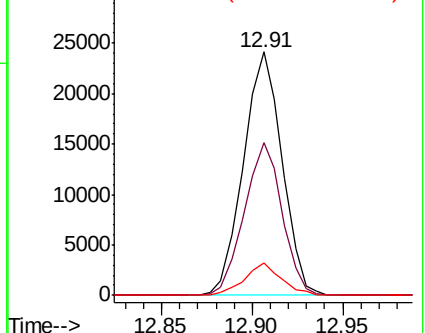
272 13.6 0.0 32.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 88.058 ng

RT: 16.23 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

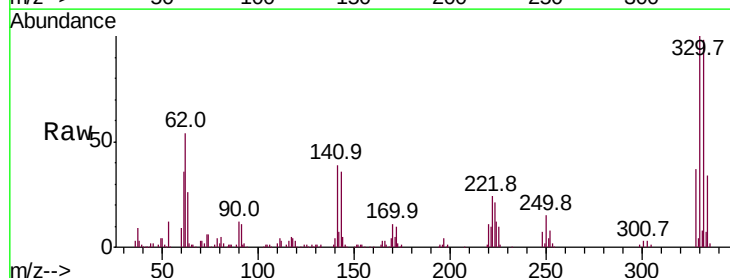
Tgt Ion:330 Resp: 121632

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

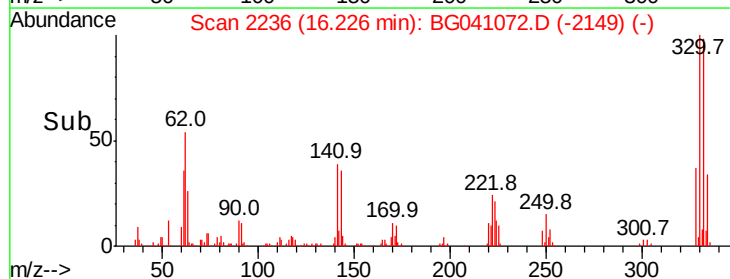
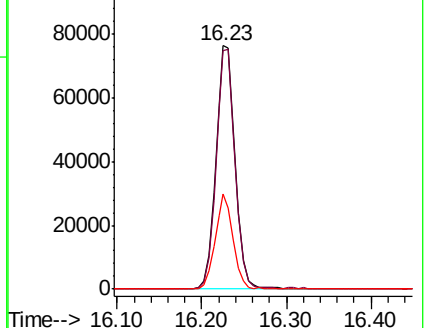
141 36.2 28.7 43.1

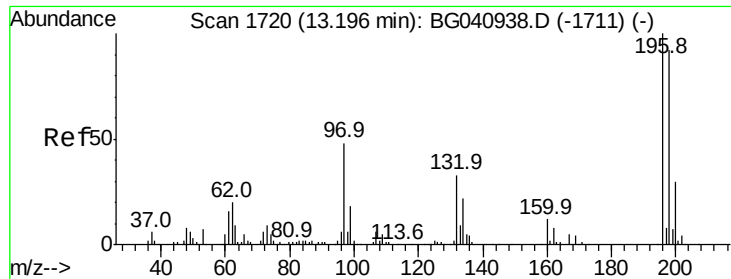


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

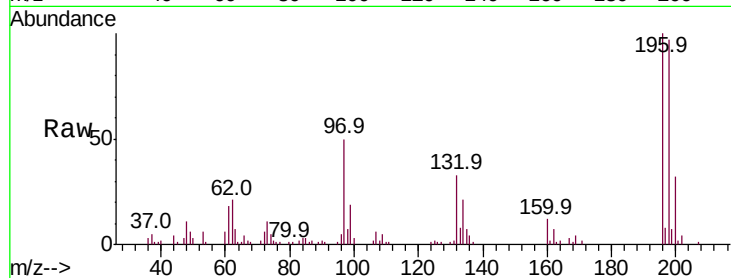




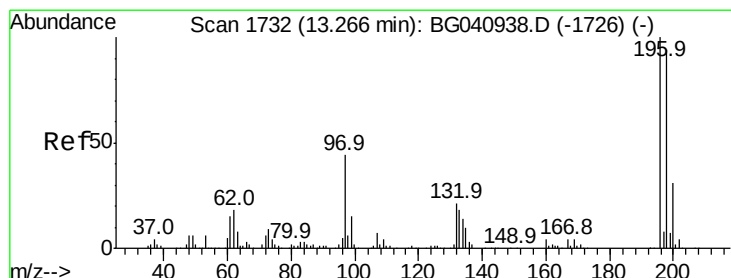
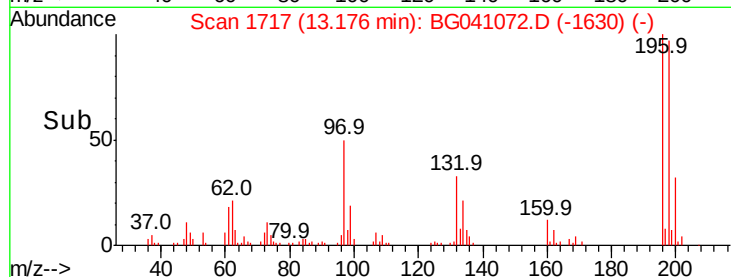
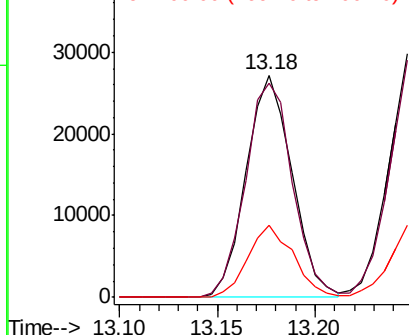
#43
 2,4,6-Trichlorophenol
 Concen: 18.268 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion:196 Resp: 44317
 Ion Ratio Lower Upper
 196 100
 198 96.6 73.8 110.6
 200 32.4 24.1 36.1



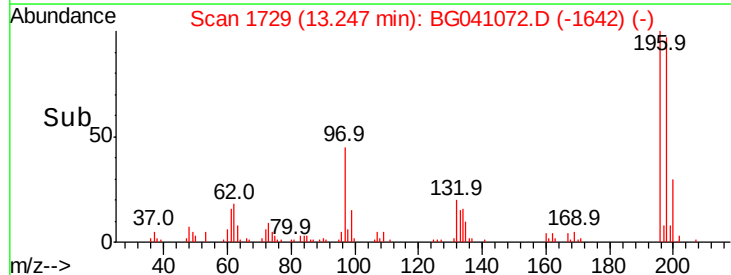
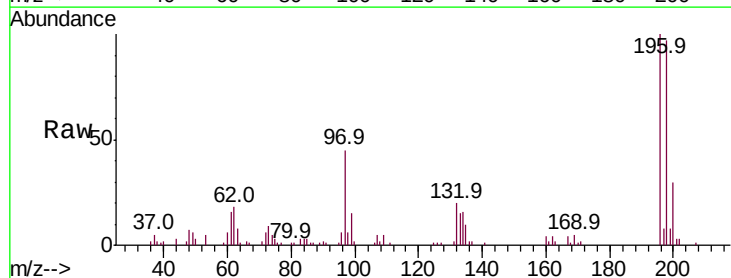
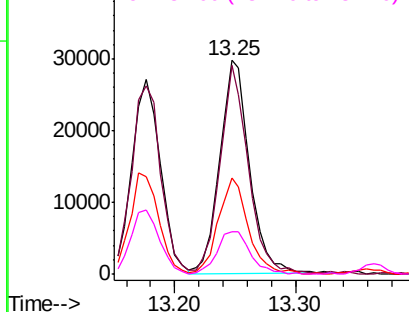
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

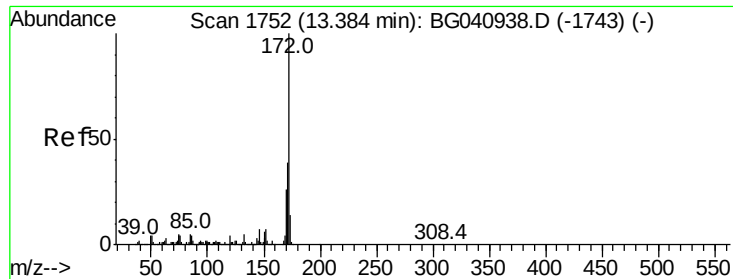


#44
 2,4,5-Trichlorophenol
 Concen: 19.703 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

Tgt Ion:196 Resp: 50411
 Ion Ratio Lower Upper
 196 100
 198 97.4 75.1 112.7
 97 44.9 35.6 53.4
 132 19.6 16.7 25.1

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: 54.277 ng

RT: 13.36 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

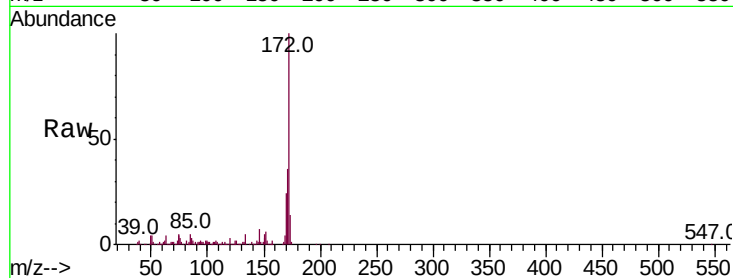
Tot Ion:172 Resp: 350673

Ion Ratio Lower Upper

172 100

171 36.3 31.1 46.7

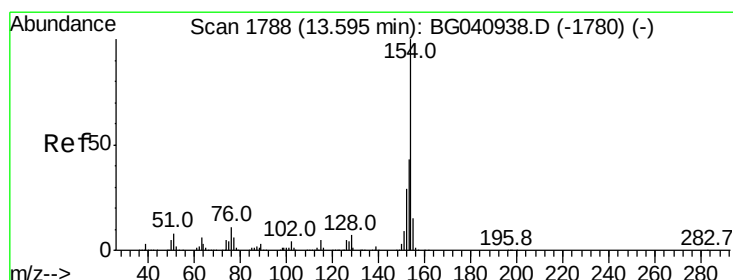
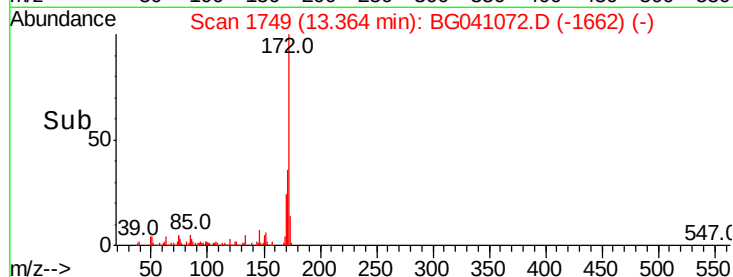
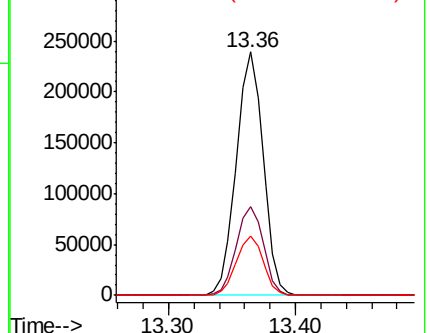
170 24.3 20.5 30.7



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: 20.706 ng

RT: 13.58 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

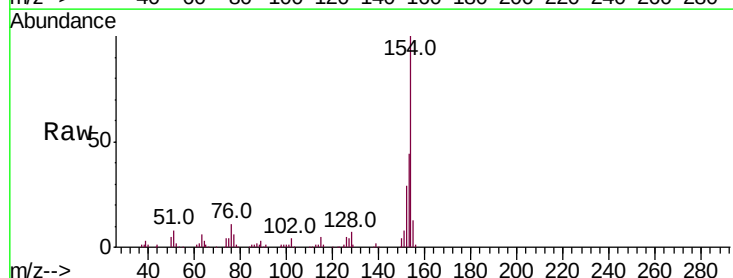
Tgt Ion:154 Resp: 142608

Ion Ratio Lower Upper

154 100

153 43.8 23.3 63.3

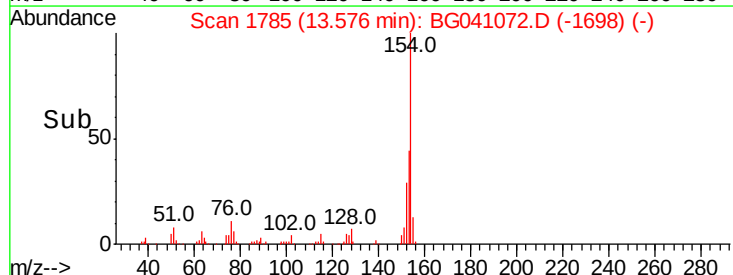
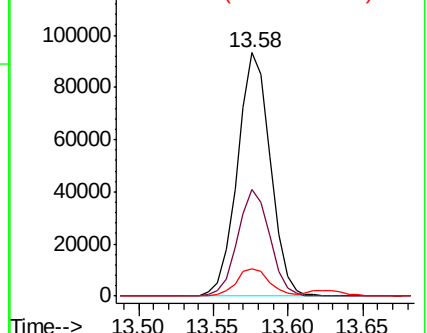
76 11.3 0.0 31.1

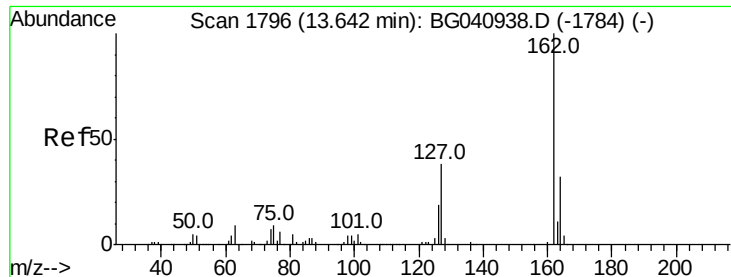


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

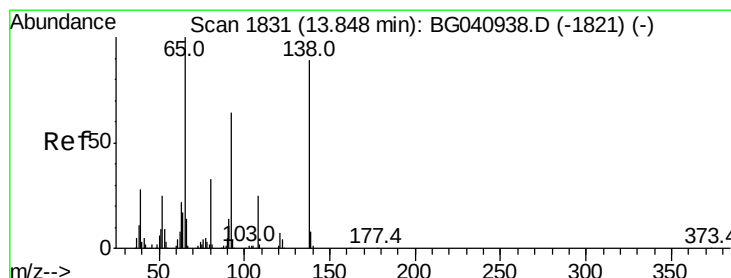
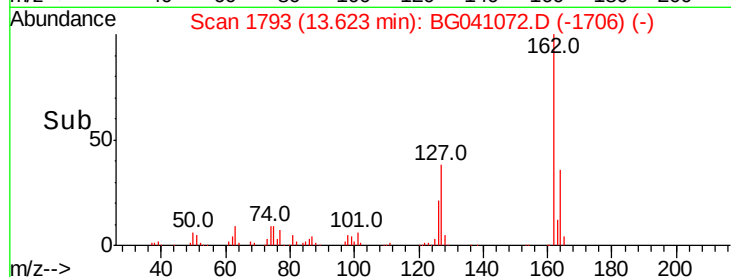
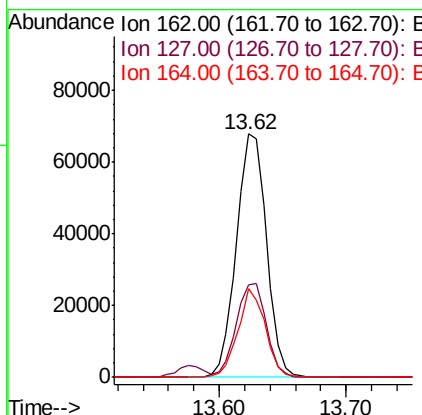
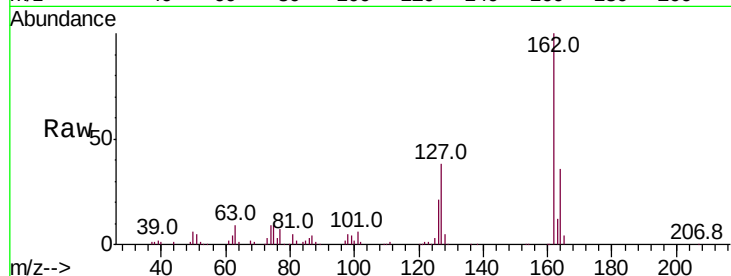




#47
2-Chloronaphthalene
Concen: 18.870 ng
RT: 13.62 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

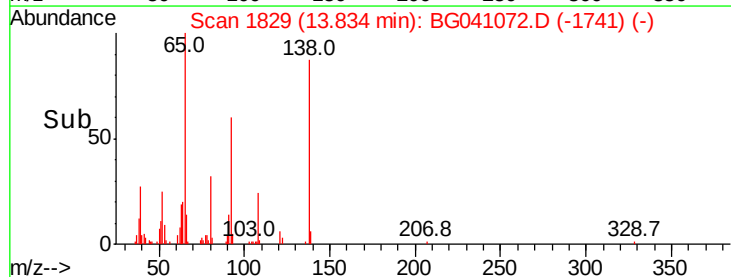
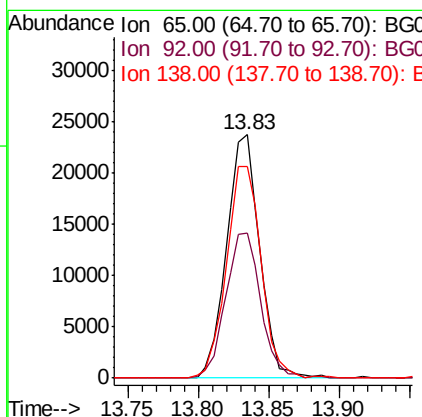
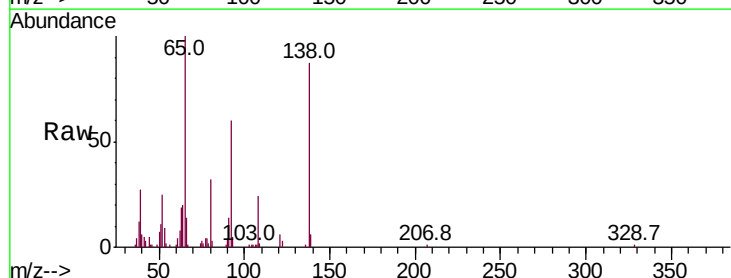
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

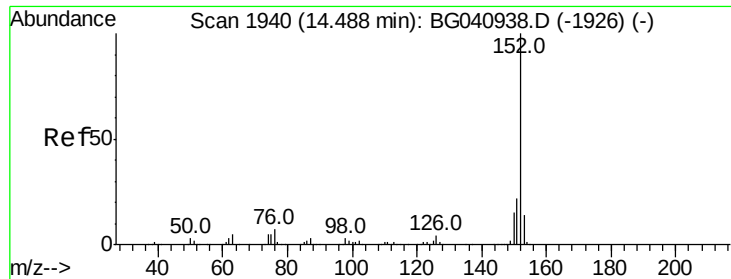
Tot Ion:162 Resp: 111568
Ion Ratio Lower Upper
162 100
127 37.9 30.5 45.7
164 36.2 25.8 38.6



#48
2-Nitroaniline
Concen: 18.237 ng
RT: 13.83 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion: 65 Resp: 38682
Ion Ratio Lower Upper
65 100
92 59.8 51.0 76.6
138 86.8 71.2 106.8





#49

Acenaphthylene

Concen: 19.800 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

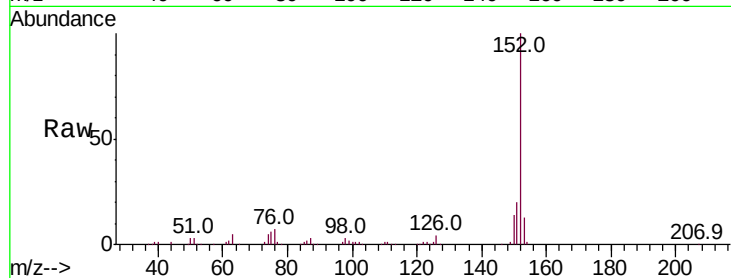
Tot Ion:152 Resp: 176191

Ion Ratio Lower Upper

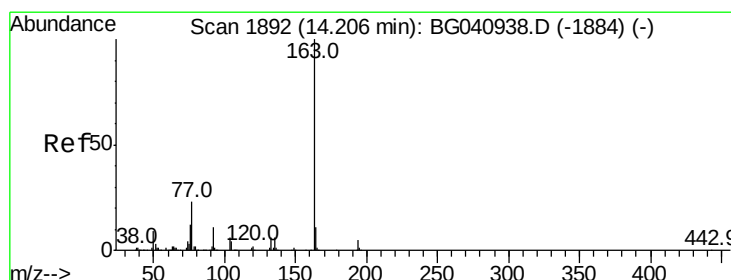
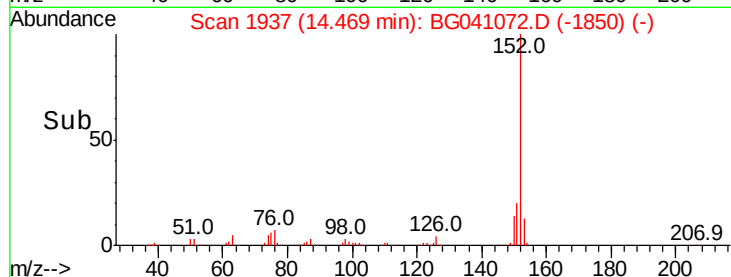
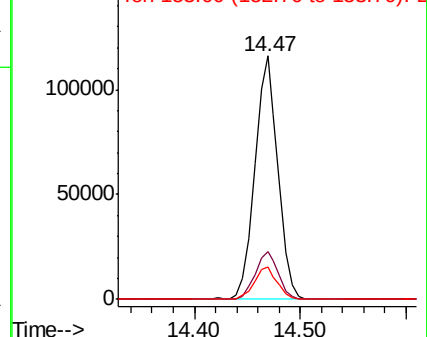
152 100

151 19.7 17.4 26.0

153 13.2 11.0 16.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 18.478 ng

RT: 14.19 min Scan# 1889

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

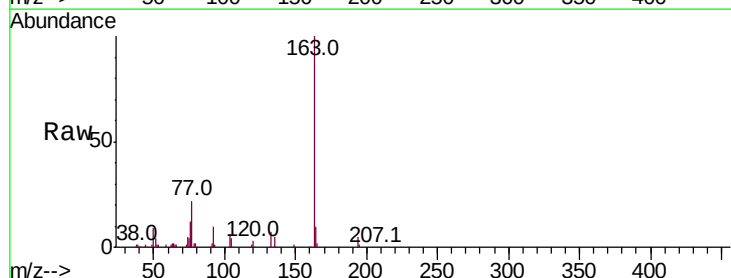
Tgt Ion:163 Resp: 145533

Ion Ratio Lower Upper

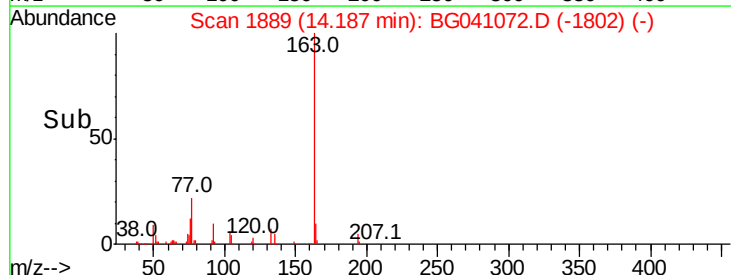
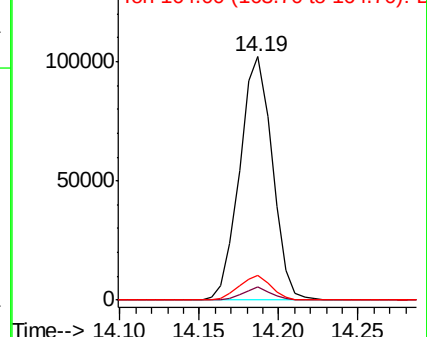
163 100

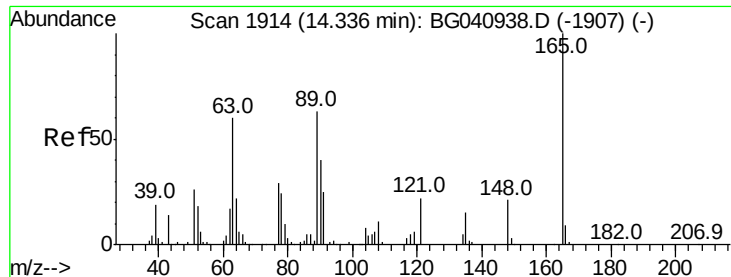
194 5.4 3.8 5.8

164 10.3 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

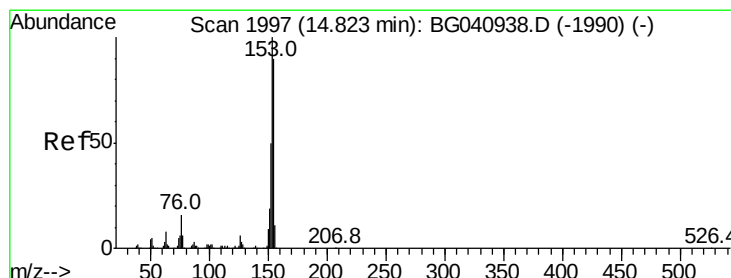
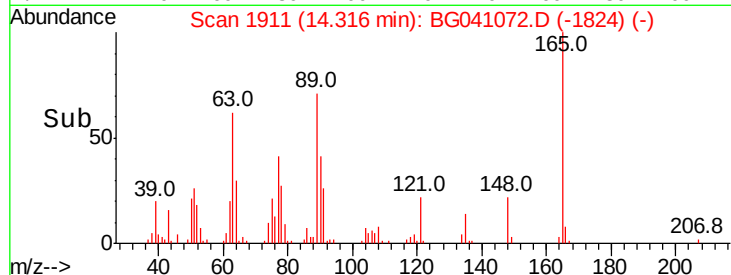
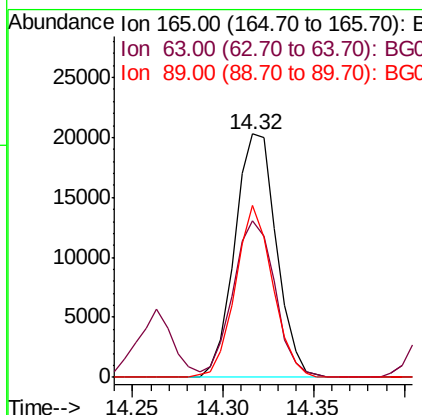
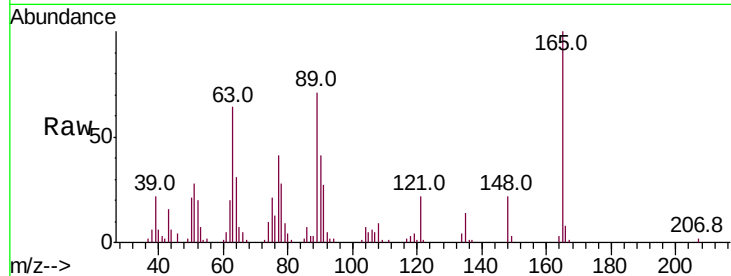




#51
 2,6-Dinitrotoluene
 Concen: 19.029 ng
 RT: 14.32 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

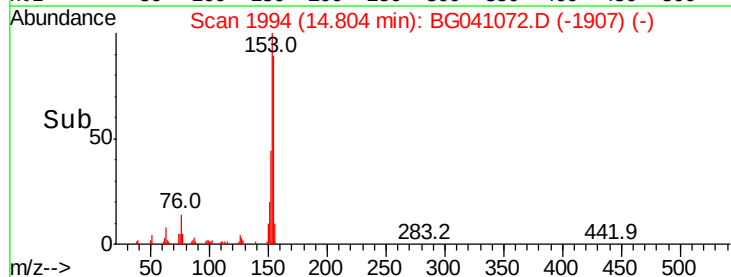
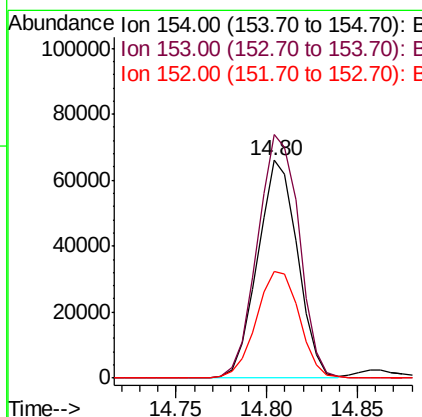
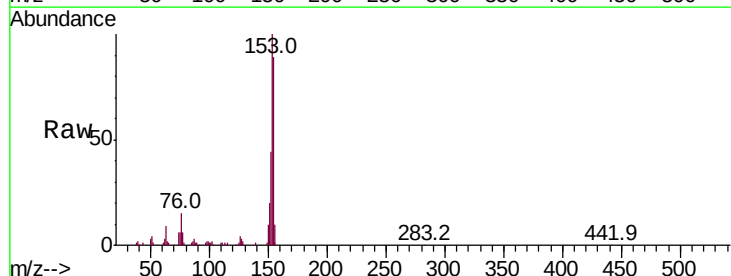
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

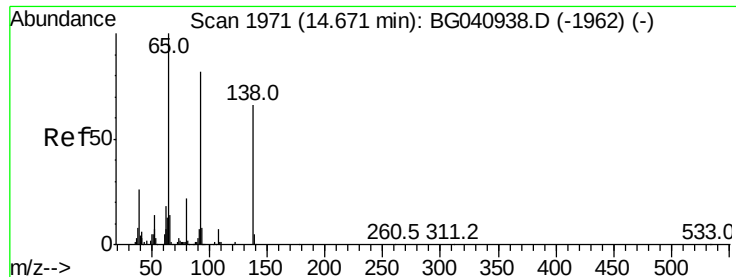
Tot Ion:165	Resp:	32314
Ion	Ratio	Lower Upper
165	100	
63	64.1	53.6 80.4
89	70.8	50.4 75.6



#52
 Acenaphthene
 Concen: 18.788 ng
 RT: 14.80 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BG041072.D
 Acq: 5 Jun 2019 15:03

Tgt Ion:154	Resp:	101280
Ion	Ratio	Lower Upper
154	100	
153	111.8	88.6 133.0
152	49.2	44.2 66.4





#53

3-Nitroaniline

Concen: 18.044 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

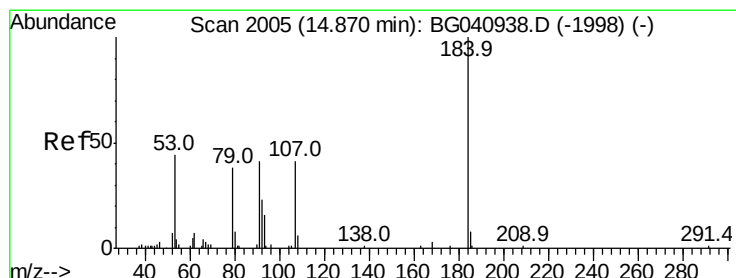
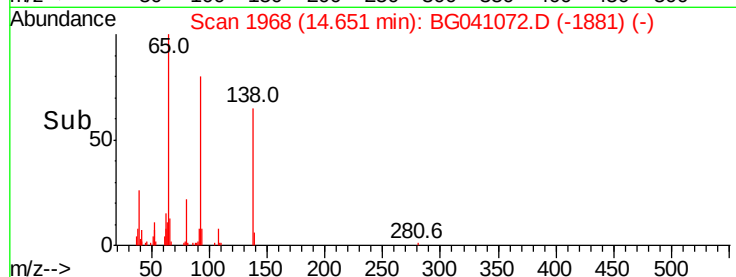
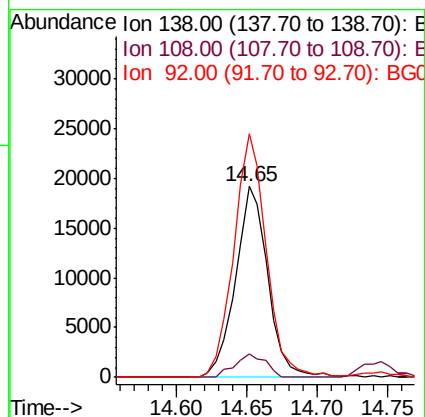
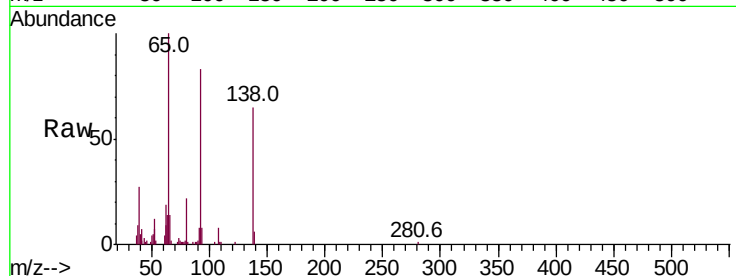
Tot Ion:138 Resp: 30640

Ion Ratio Lower Upper

138 100

108 12.0 8.5 12.7

92 127.8 99.0 148.6



#54

2,4-Dinitrophenol

Concen: 17.854 ng

RT: 14.86 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

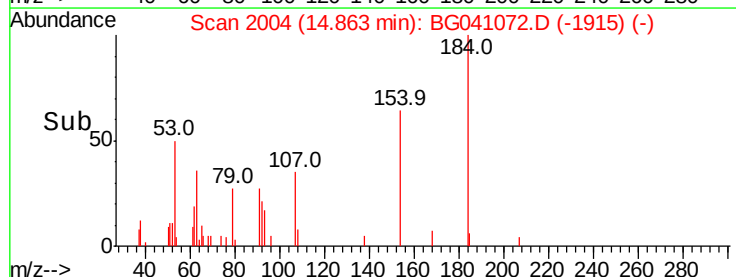
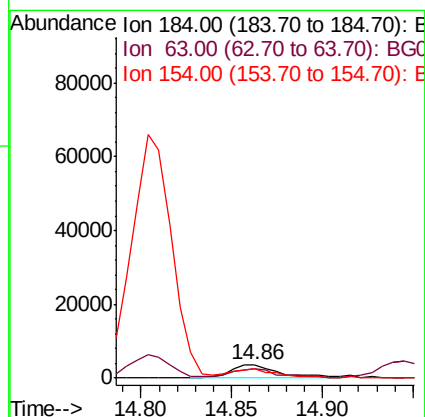
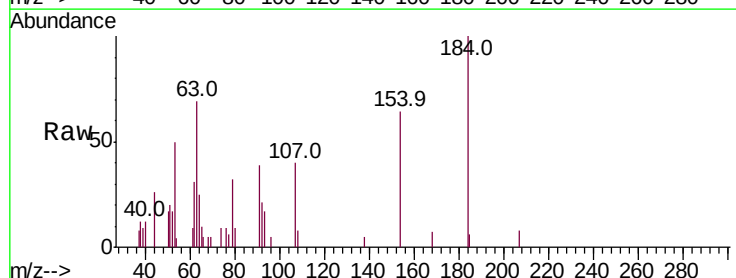
Tgt Ion:184 Resp: 7062

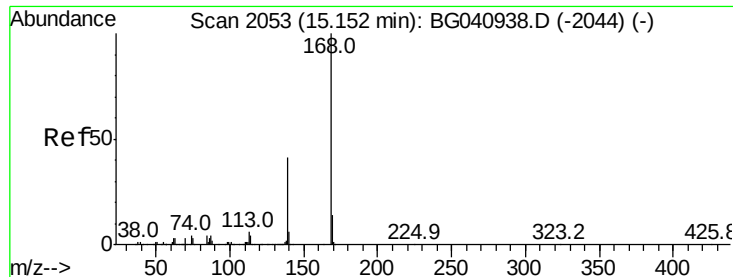
Ion Ratio Lower Upper

184 100

63 68.6 49.8 74.6

154 64.2 52.2 78.4





#55

Dibenzofuran

Concen: 19.618 ng

RT: 15.14 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

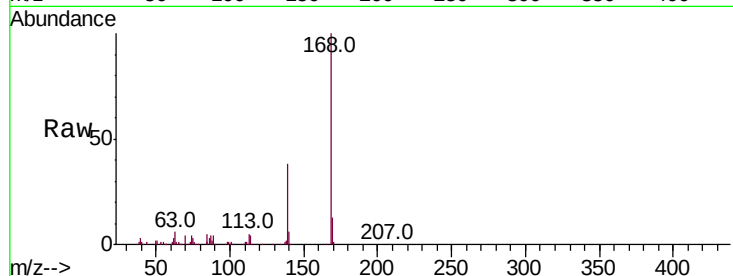
Tot Ion:168 Resp: 177955

Ion Ratio Lower Upper

168 100

139 38.2 32.8 49.2

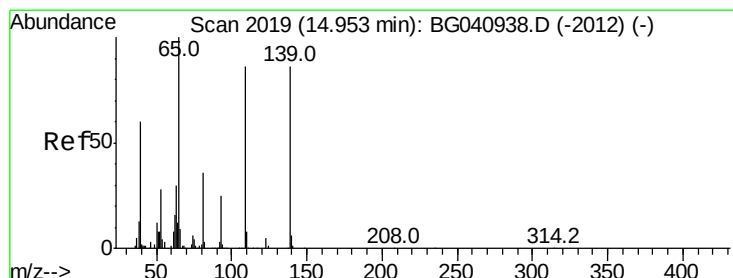
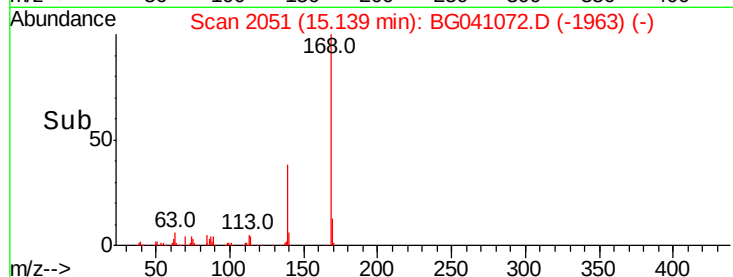
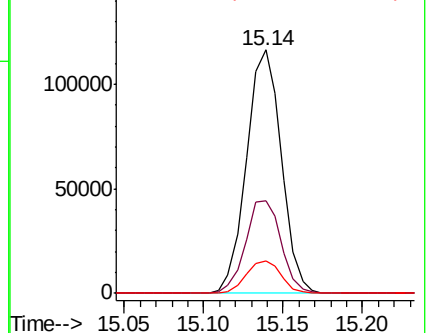
169 13.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 19.126 ng

RT: 14.94 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

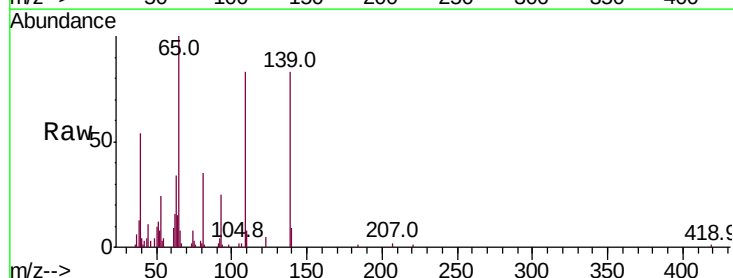
Tgt Ion:139 Resp: 22277

Ion Ratio Lower Upper

139 100

109 99.6 79.6 119.6

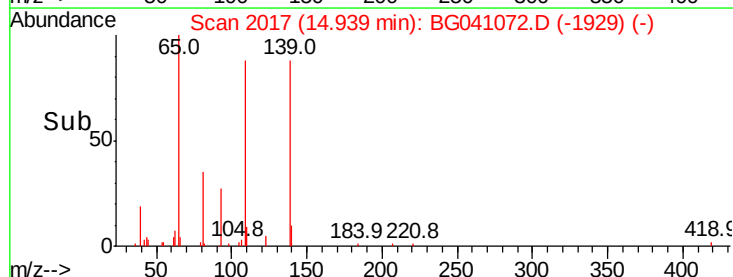
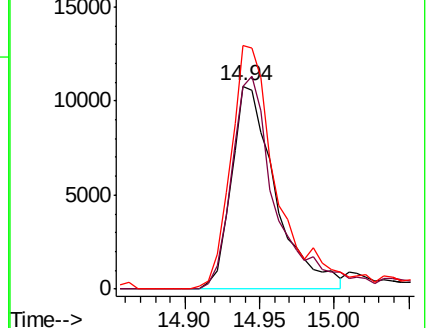
65 119.9 96.9 136.9

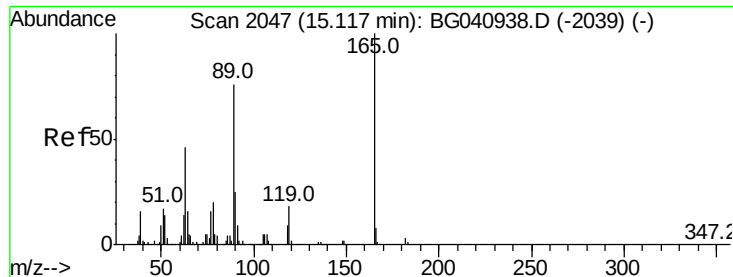


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

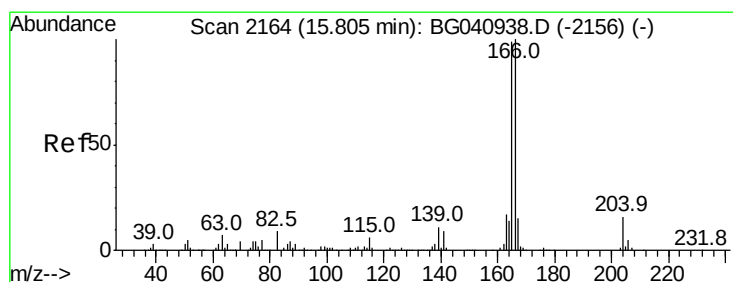
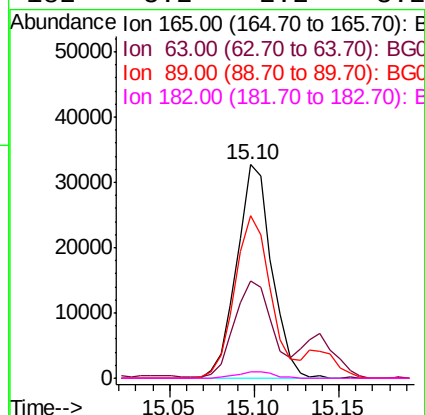
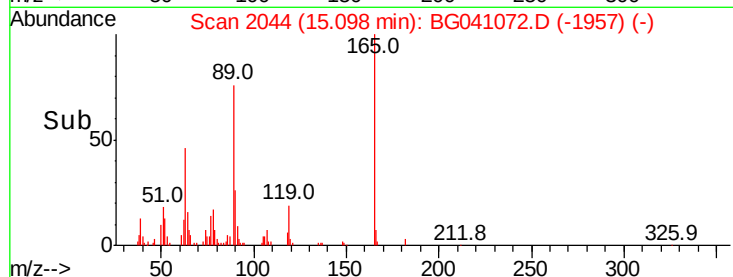
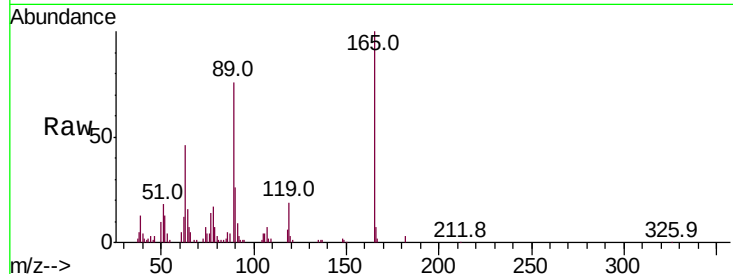




#57
2,4-Dinitrotoluene
Concen: 19.671 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

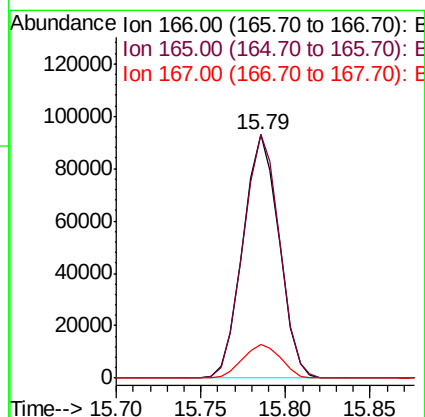
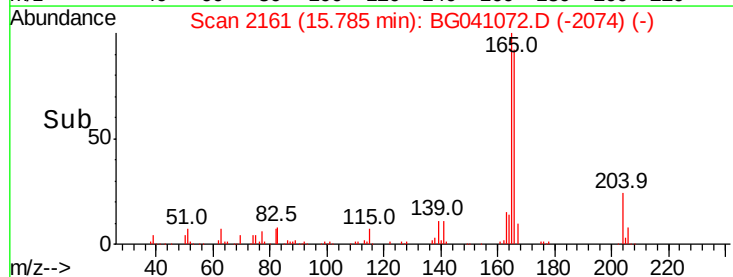
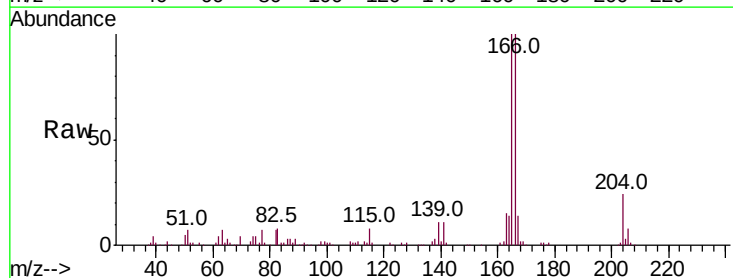
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

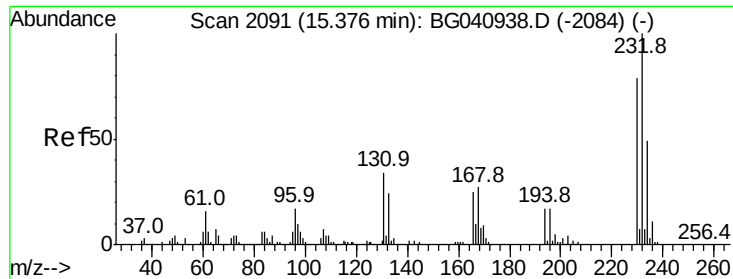
Tot Ion:165 Resp: 47187
Ion Ratio Lower Upper
165 100
63 45.9 37.3 55.9
89 75.8 61.0 91.6
182 3.2 2.2 3.2



#58
Fluorene
Concen: 19.157 ng
RT: 15.79 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:166 Resp: 138388
Ion Ratio Lower Upper
166 100
165 99.9 79.2 118.8
167 13.7 11.8 17.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 18.870 ng

RT: 15.27 min Scan# 2074

Delta R.T. -0.10 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

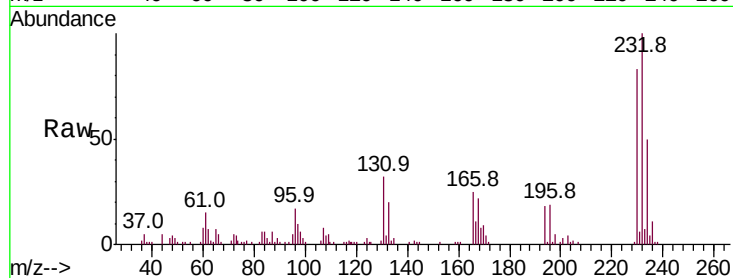
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:232 Resp: 47447

Ion	Ratio	Lower	Upper
232	100		
131	32.7	30.3	45.5
130	2.2	1.8	2.8
166	22.8	21.3	31.9

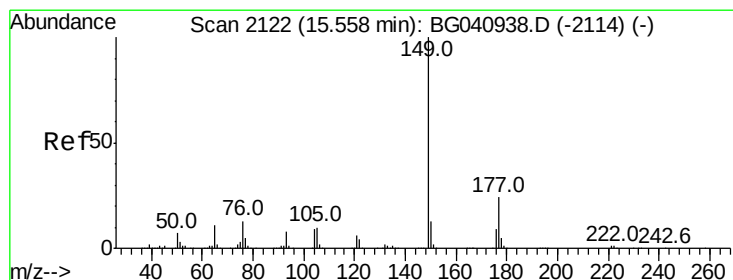
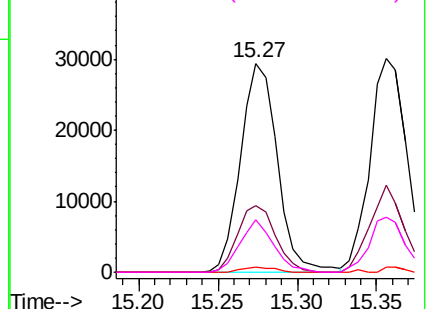
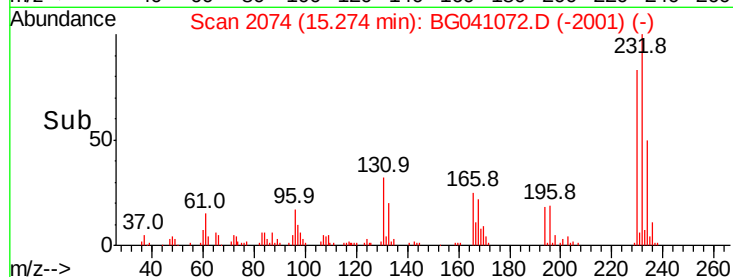


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 18.386 ng

RT: 15.54 min Scan# 2119

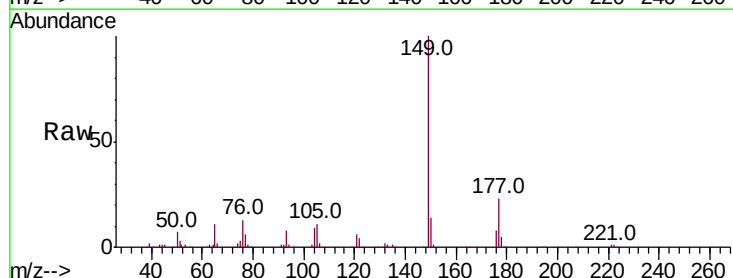
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Tgt Ion:149 Resp: 147785

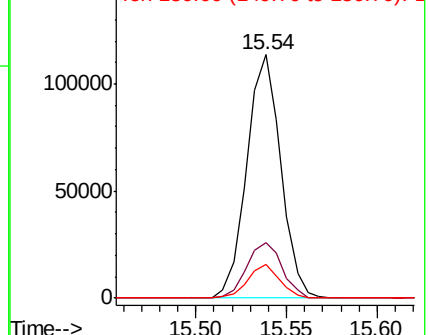
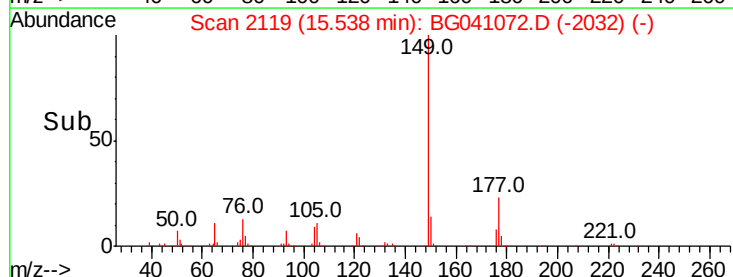
Ion	Ratio	Lower	Upper
149	100		
177	22.6	19.4	29.0
150	13.7	10.3	15.5

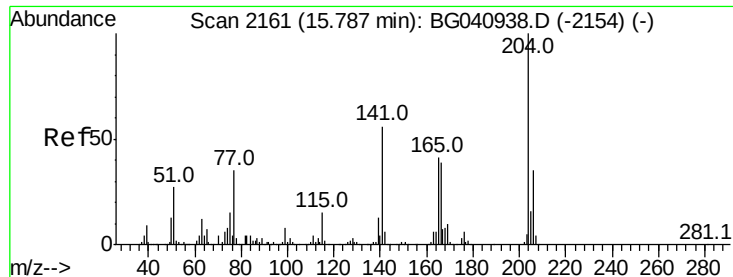


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

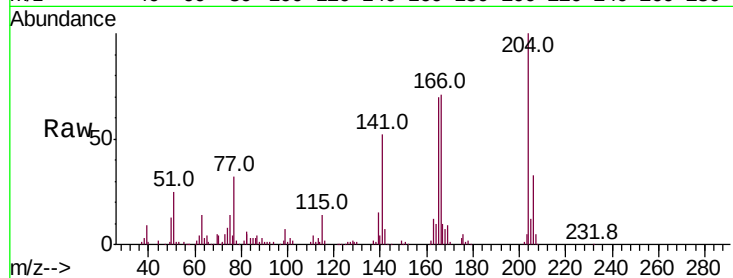




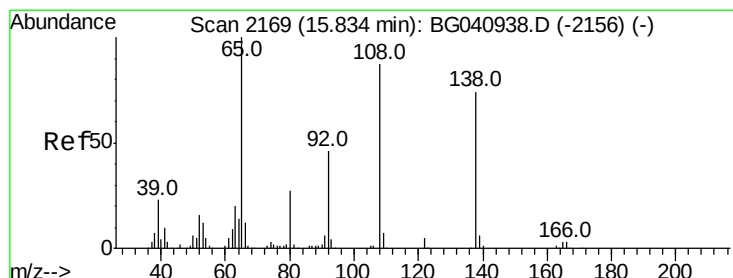
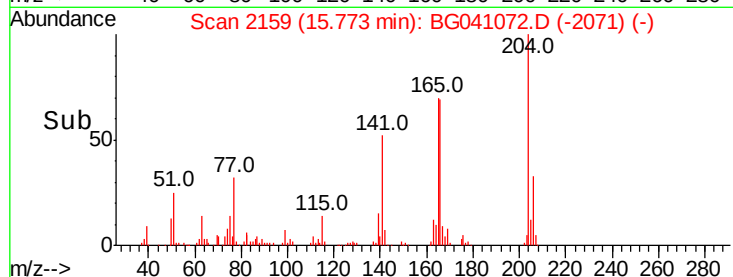
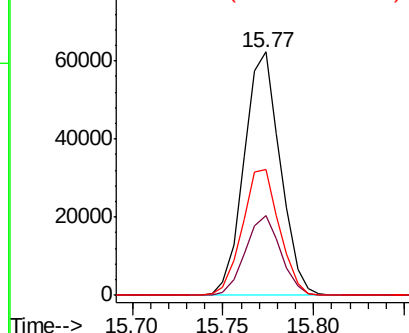
#61
4-Chlorophenyl-phenylether
Concen: 18.384 ng
RT: 15.77 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:204 Resp: 86322
Ion Ratio Lower Upper
204 100
206 33.0 27.6 41.4
141 51.7 45.1 67.7

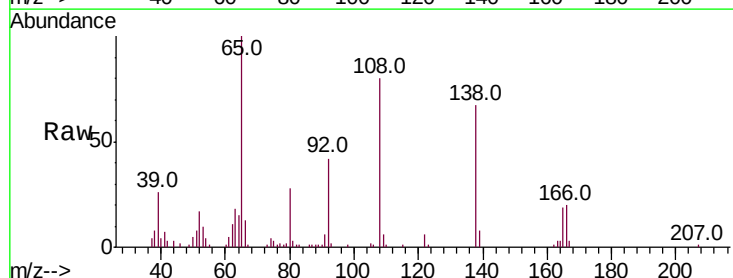


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

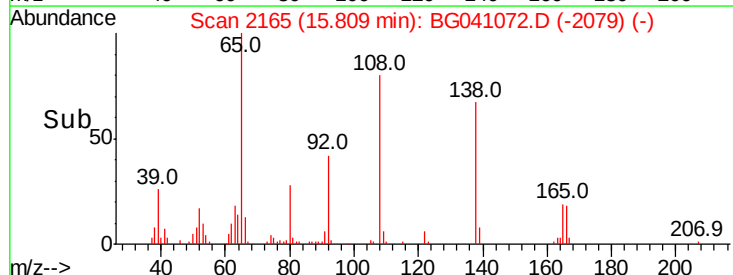
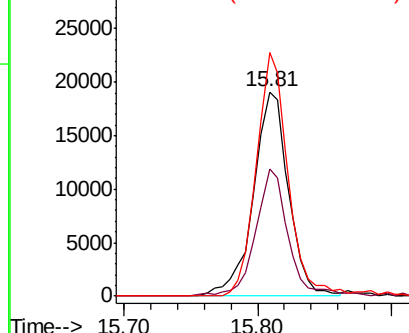


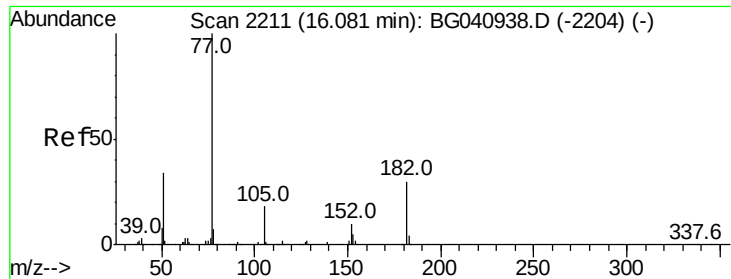
#62
4-Nitroaniline
Concen: 19.244 ng
RT: 15.81 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:138 Resp: 34596
Ion Ratio Lower Upper
138 100
92 62.3 42.4 82.4
108 119.3 96.9 136.9



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: 19.150 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion: 77 Resp: 139896

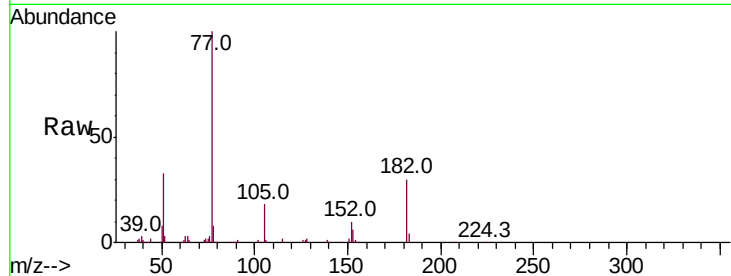
Ion Ratio Lower Upper

77 100

182 30.4 9.6 49.6

105 18.0 0.0 37.5

51 32.9 13.7 53.7

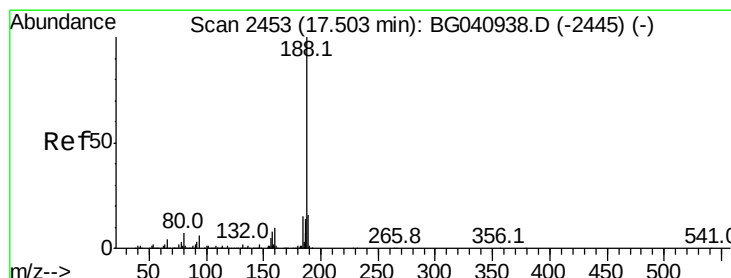
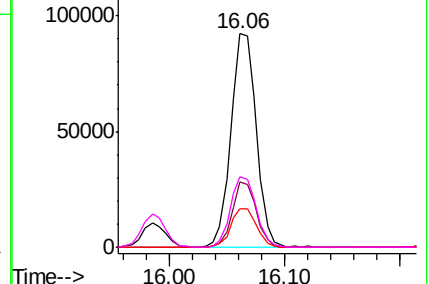
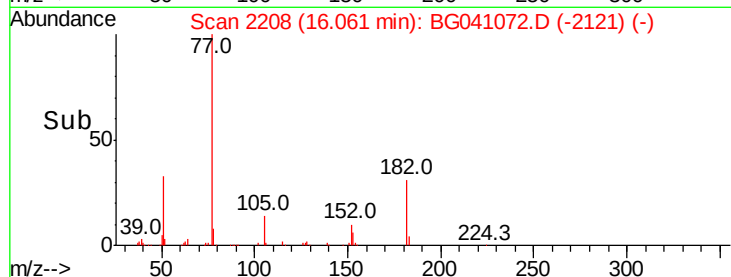


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

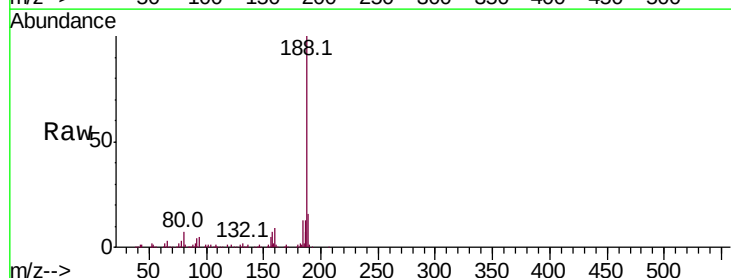
Tgt Ion: 188 Resp: 236760

Ion Ratio Lower Upper

188 100

94 5.3 4.7 7.1

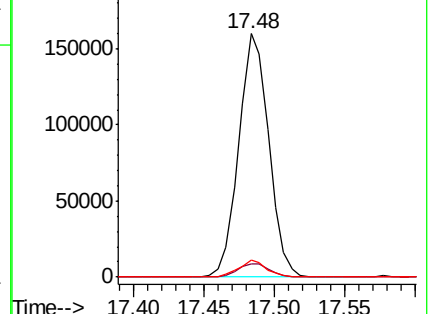
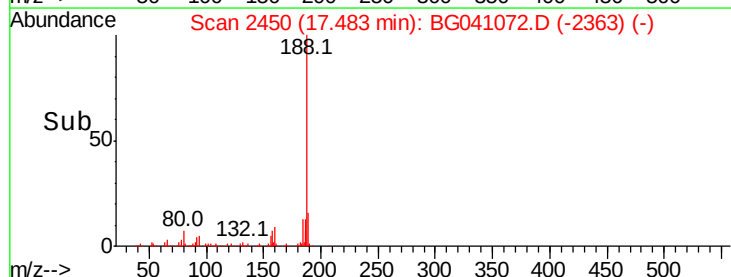
80 7.0 5.8 8.8

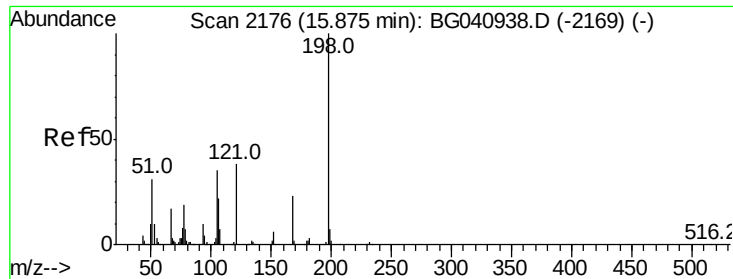


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 21.647 ng

RT: 15.86 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

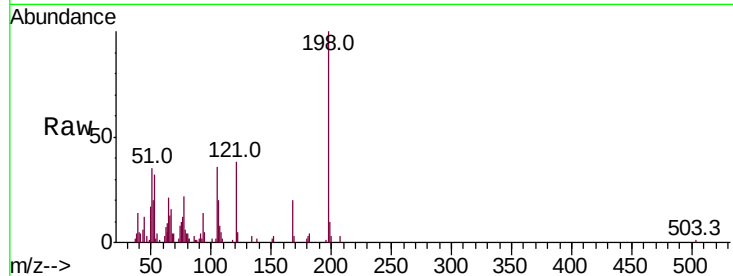
Tot Ion:198 Resp: 20176

Ion Ratio Lower Upper

198 100

51 35.2 21.6 61.6

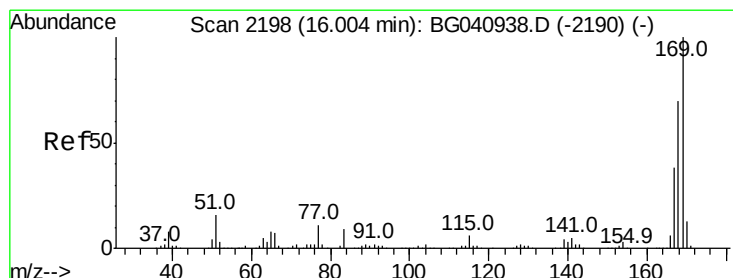
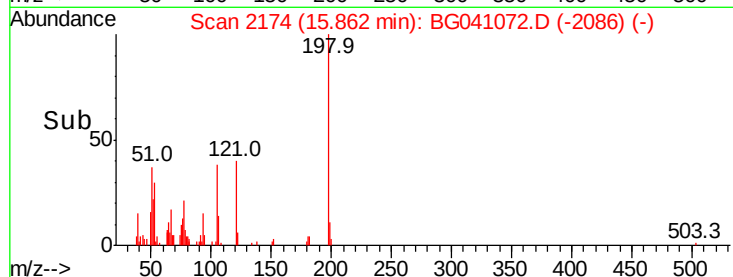
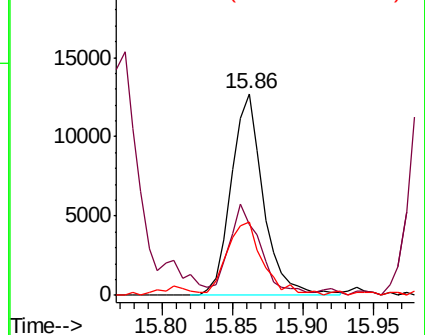
105 36.2 17.5 57.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 19.175 ng

RT: 15.98 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

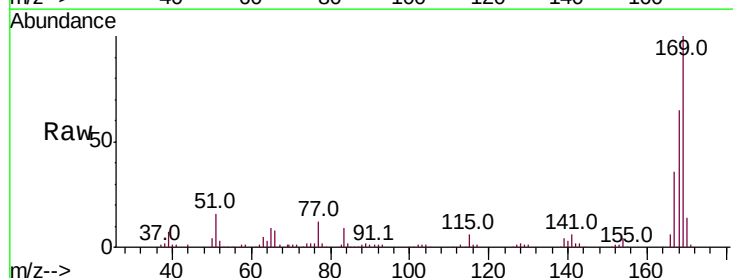
Tgt Ion:169 Resp: 127623

Ion Ratio Lower Upper

169 100

168 64.6 55.7 83.5

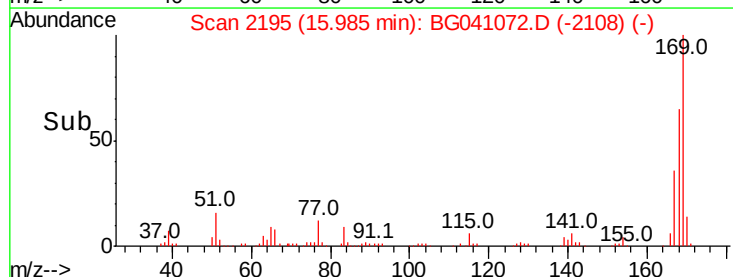
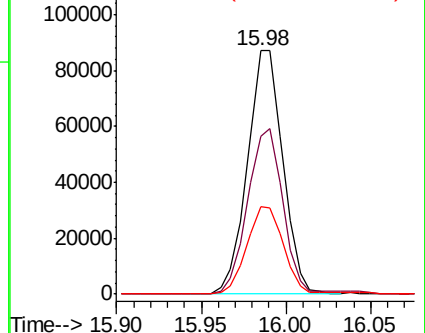
167 35.7 30.2 45.2

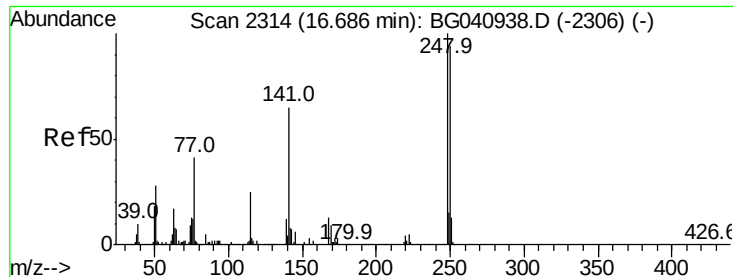


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 17.105 ng

RT: 16.67 min Scan# 2311

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

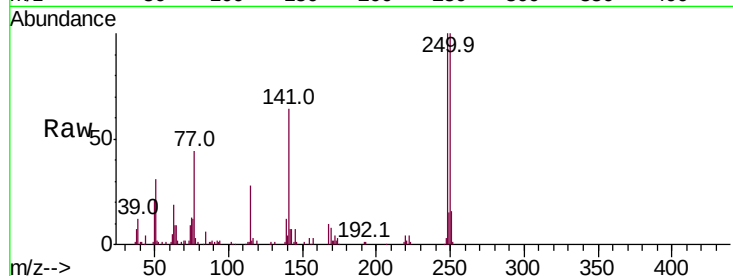
Tot Ion:248 Resp: 54653

Ion Ratio Lower Upper

248 100

250 100.4 75.0 112.4

141 64.0 52.4 78.6

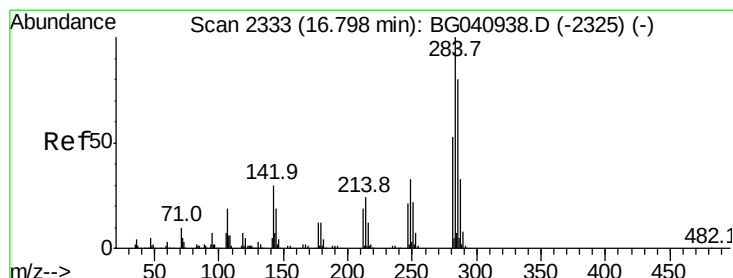
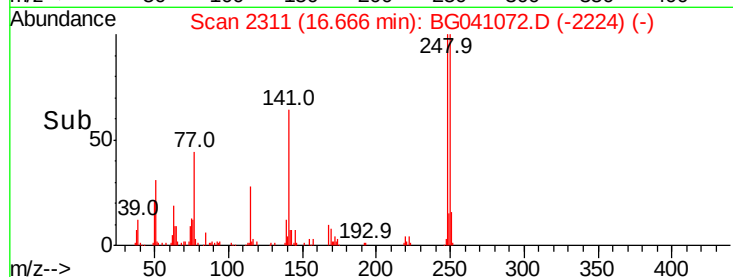
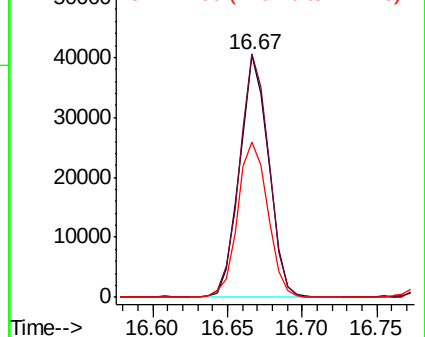


Abundance

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: 17.071 ng

RT: 16.78 min Scan# 2330

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

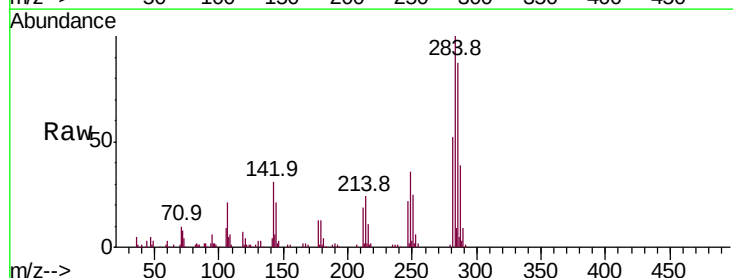
Tgt Ion:284 Resp: 58081

Ion Ratio Lower Upper

284 100

142 31.1 23.9 35.9

249 39.2 26.8 40.2

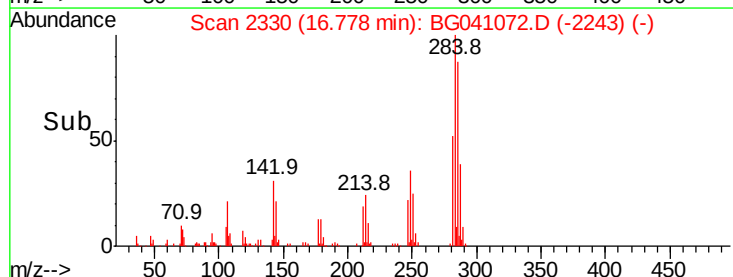
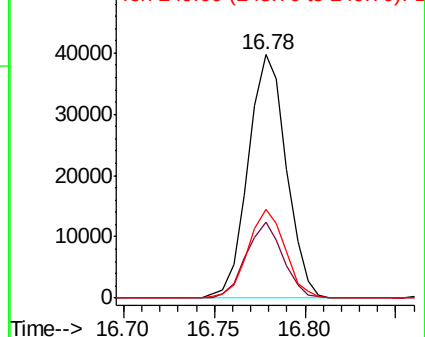


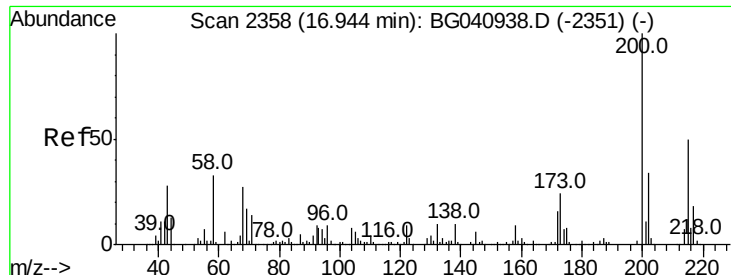
Abundance

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: 20.841 ng

RT: 16.92 min Scan# 2355

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

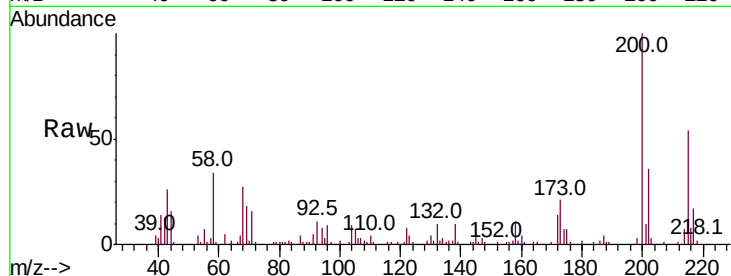
Tot Ion:200 Resp: 53523

Ion Ratio Lower Upper

200 100

173 21.0 3.6 43.6

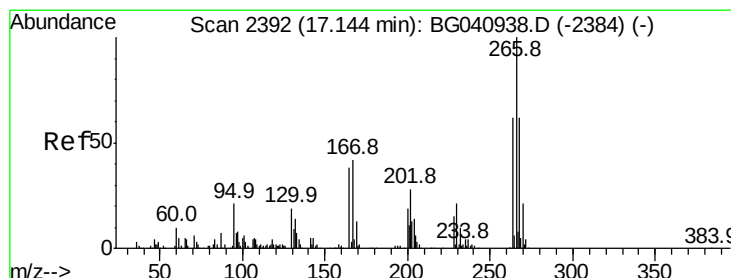
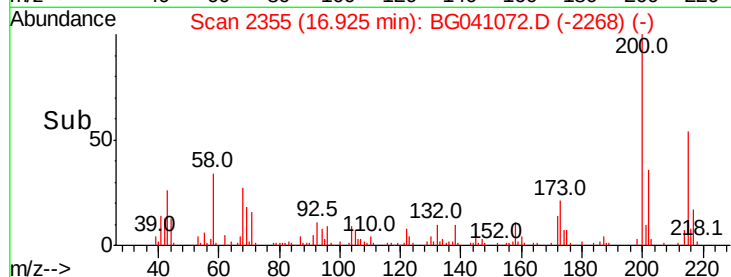
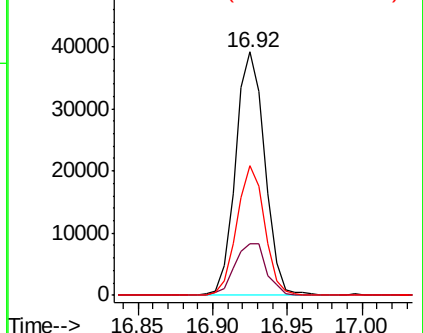
215 53.5 29.6 69.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 18.422 ng

RT: 17.13 min Scan# 2390

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

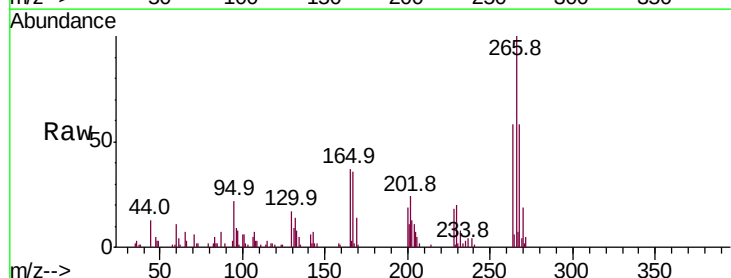
Tgt Ion:266 Resp: 27270

Ion Ratio Lower Upper

266 100

268 57.6 53.1 79.7

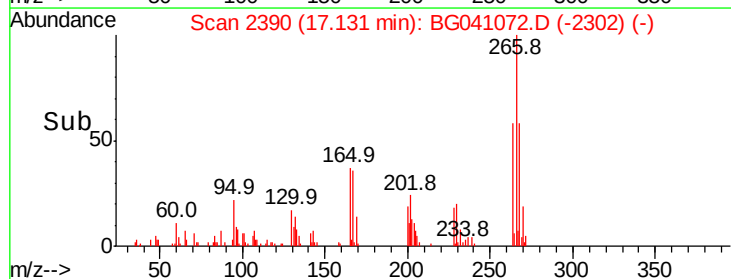
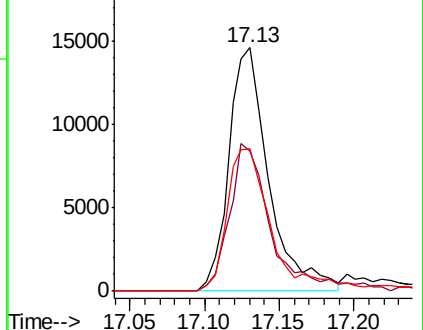
264 58.4 49.9 74.9

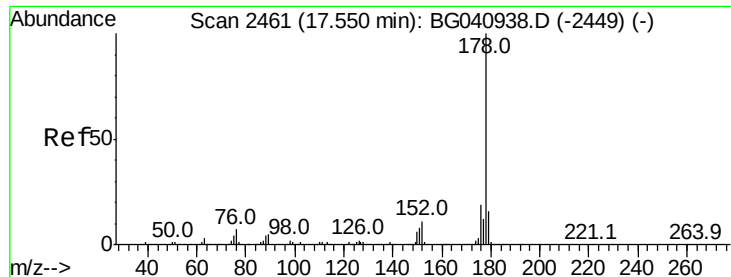


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

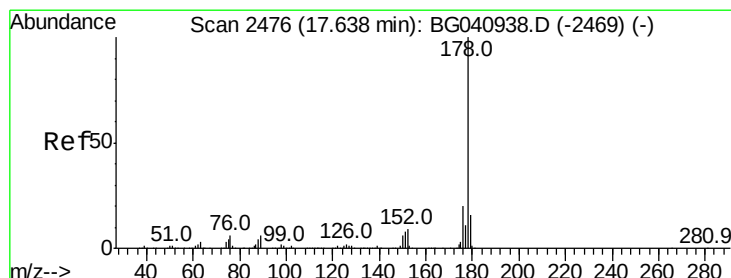
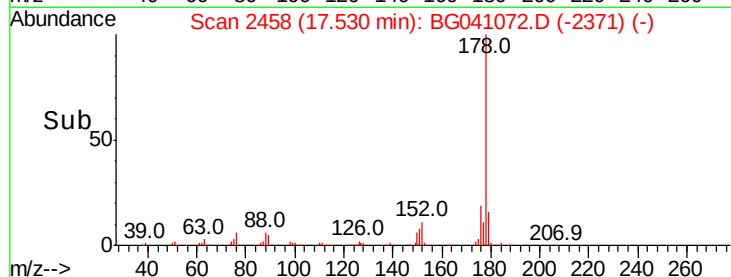
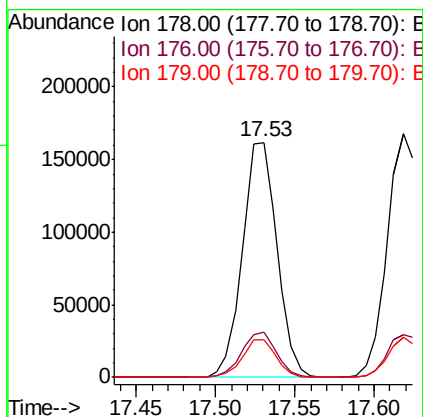
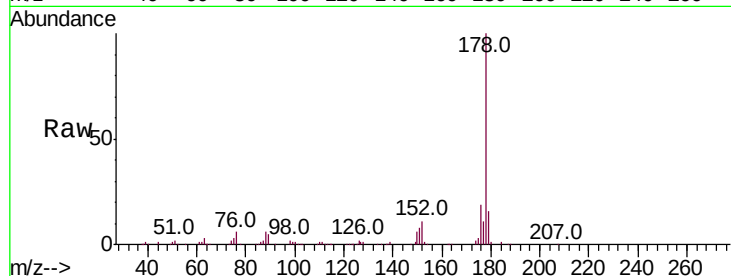




#71
Phenanthrene
Concen: 19.900 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

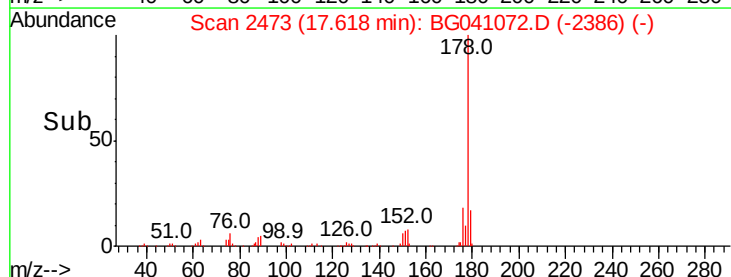
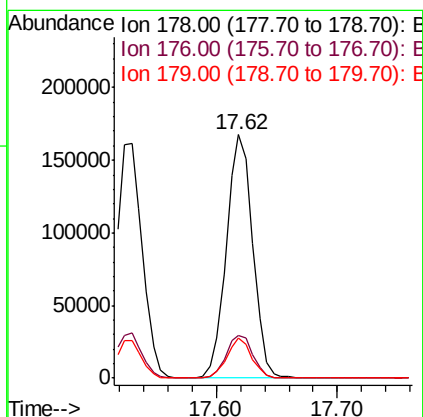
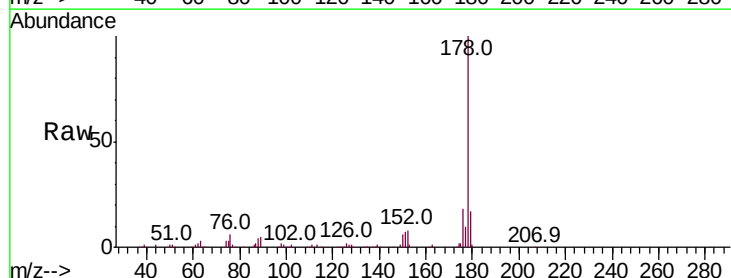
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

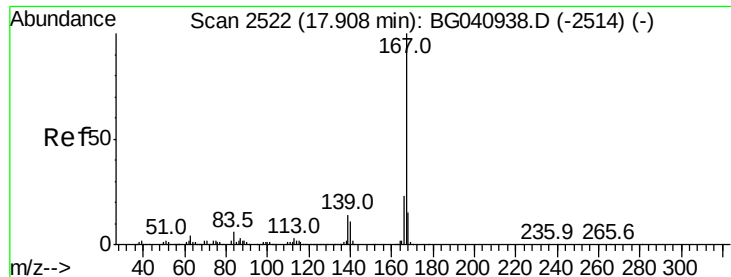
Tot Ion:178 Resp: 245420
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.8 12.7 19.1



#72
Anthracene
Concen: 20.891 ng
RT: 17.62 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion:178 Resp: 254099
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 16.6 13.0 19.4





#73

Carbazole

Concen: 21.737 ng

RT: 17.89 min Scan# 2519

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

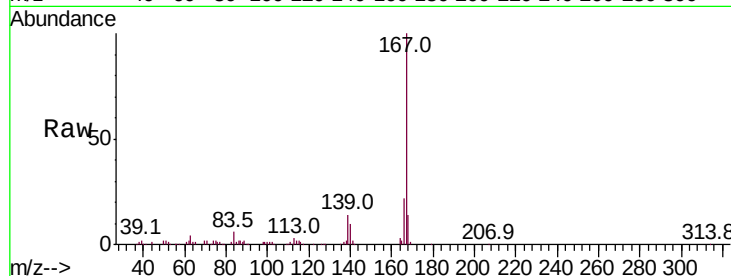
Tot Ion:167 Resp: 226854

Ion Ratio Lower Upper

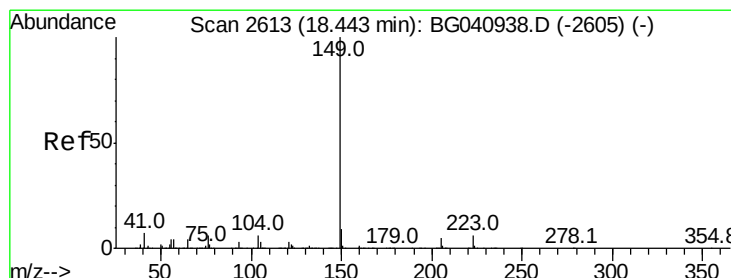
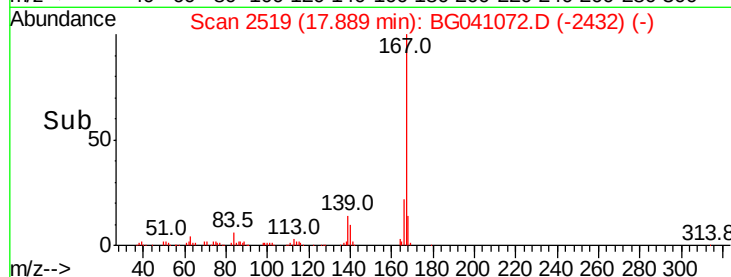
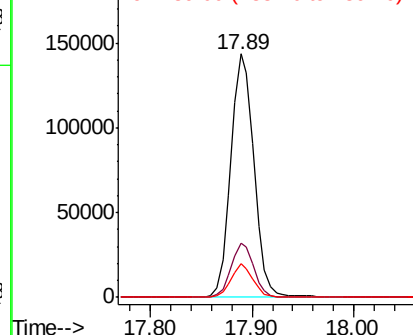
167 100

166 22.3 18.2 27.4

139 13.6 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 19.723 ng

RT: 18.42 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

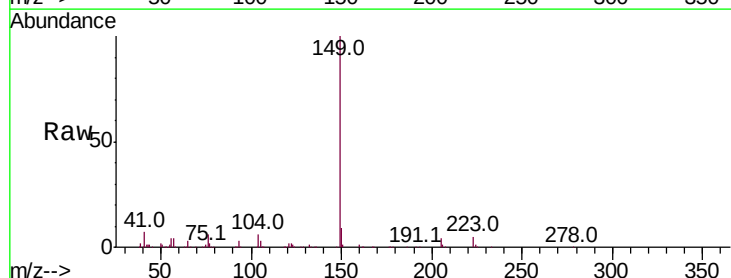
Tgt Ion:149 Resp: 255836

Ion Ratio Lower Upper

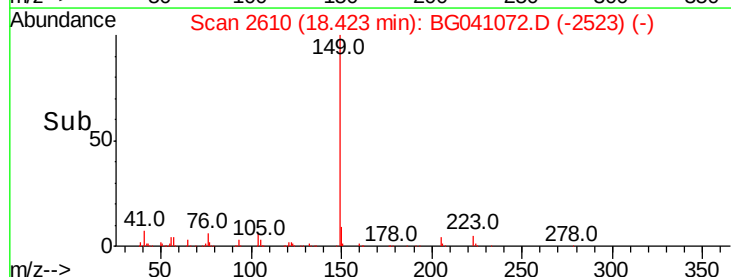
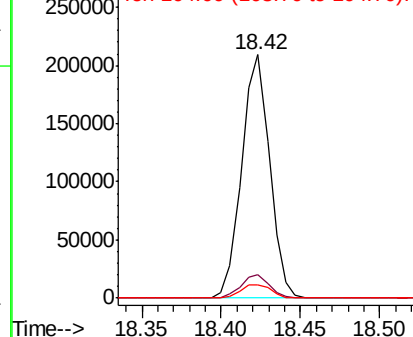
149 100

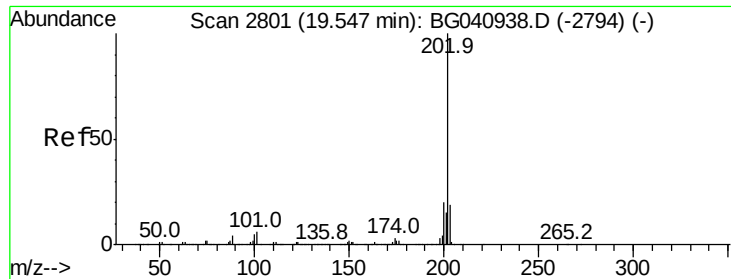
150 9.4 7.4 11.2

104 5.7 5.0 7.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 22.522 ng

RT: 19.53 min Scan# 2798

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

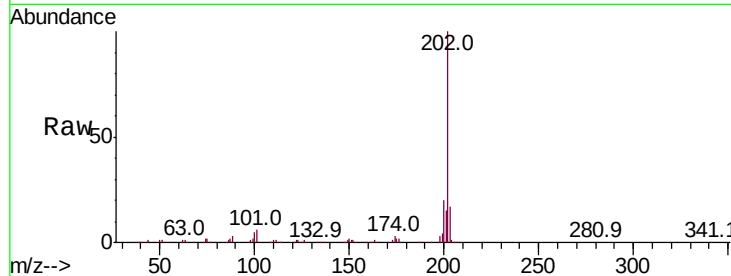
Tot Ion:202 Resp: 343063

Ion Ratio Lower Upper

202 100

101 5.7 0.0 26.2

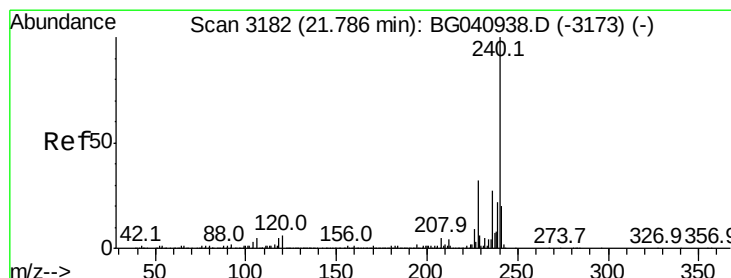
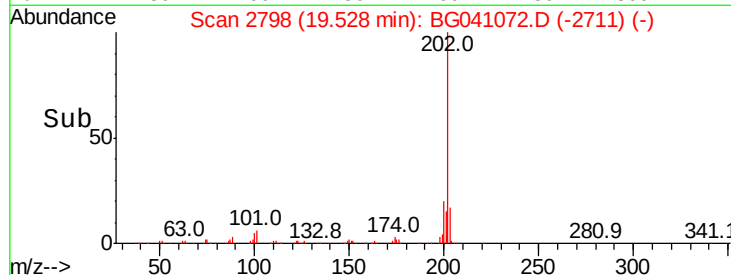
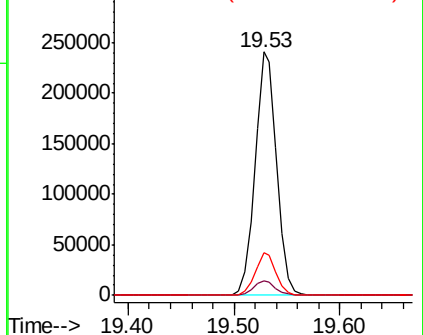
203 17.4 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3179

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

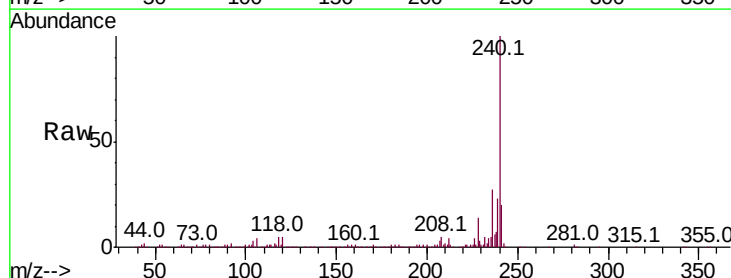
Tgt Ion:240 Resp: 271361

Ion Ratio Lower Upper

240 100

120 5.1 4.5 6.7

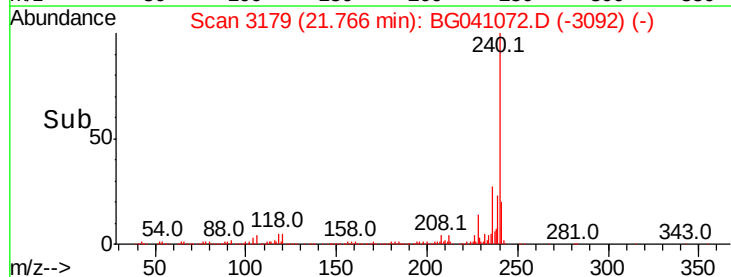
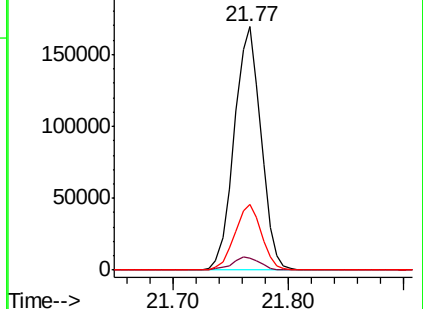
236 26.9 21.3 31.9

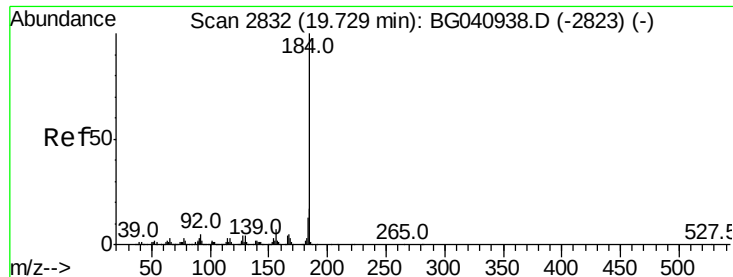


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 23.747 ng

RT: 19.71 min Scan# 2829

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

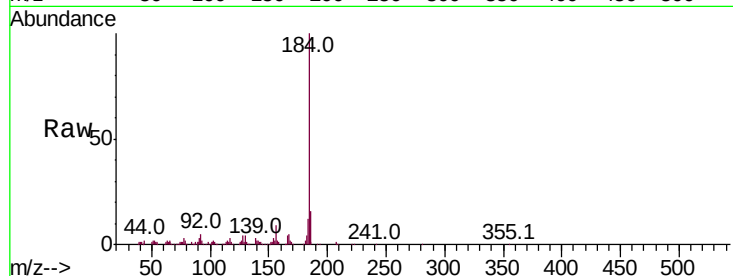
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:184 Resp: 153722

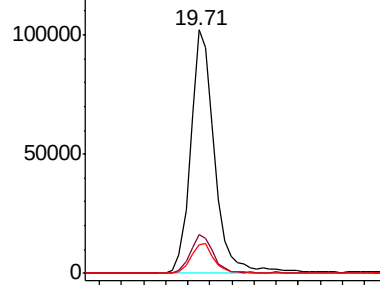
Ion	Ratio	Lower	Upper
184	100		
185	16.0	13.3	19.9
183	11.6	10.7	16.1



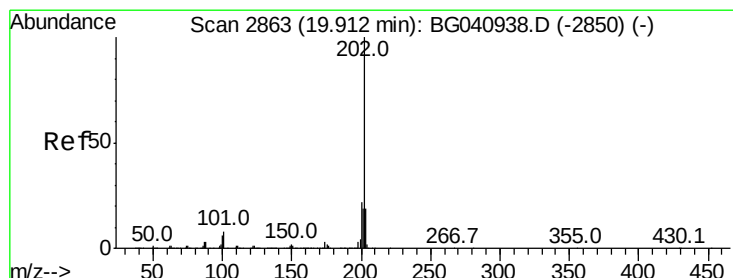
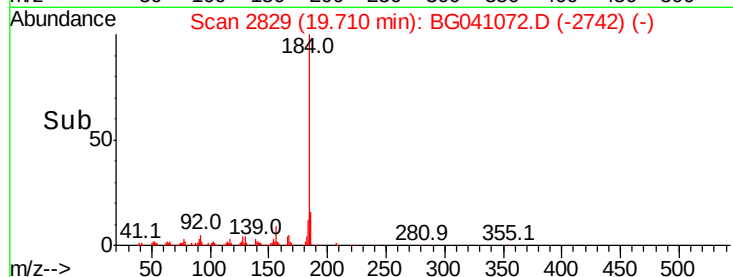
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Pyrene

Concen: 19.582 ng

RT: 19.89 min Scan# 2860

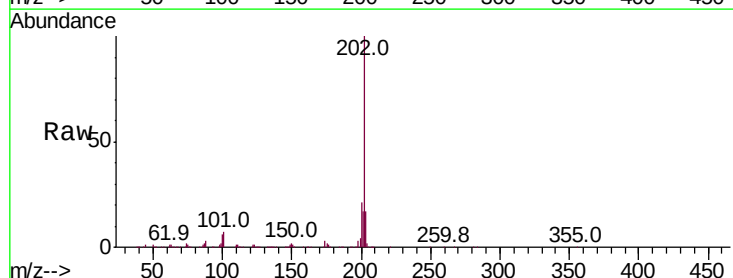
Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Tgt Ion:202 Resp: 345436

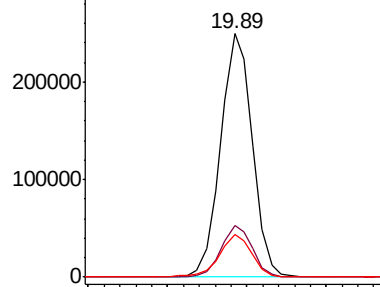
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.5	26.3
203	17.4	15.6	23.4



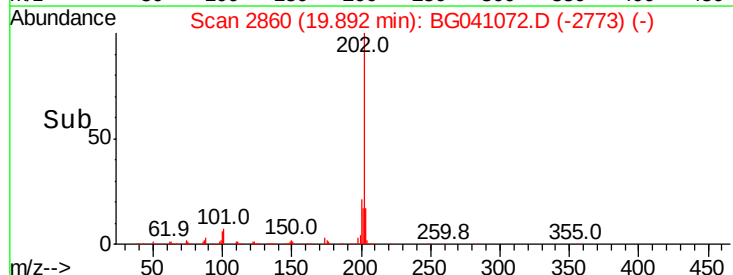
Abundance Ion 202.00 (201.70 to 202.70): E

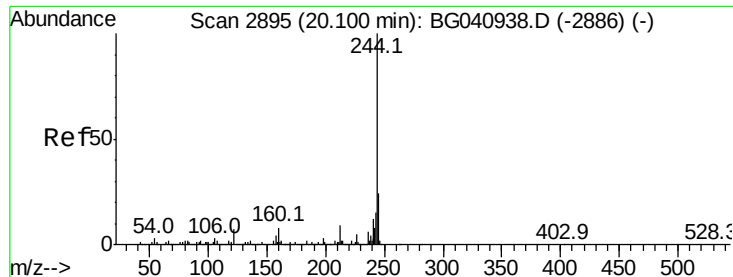
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#79

Terphenyl-d14

Concen: 55.765 ng

RT: 20.08 min Scan# 2892

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

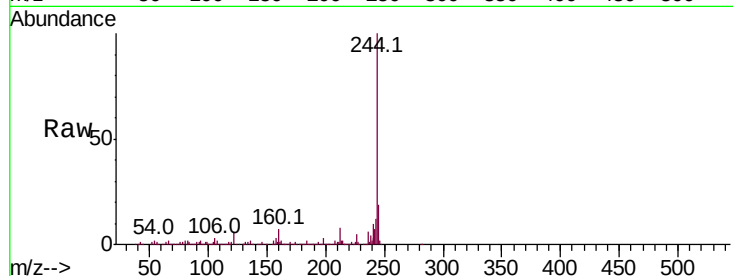
Tot Ion:244 Resp: 713002

Ion Ratio Lower Upper

244 100

212 8.1 7.0 10.4

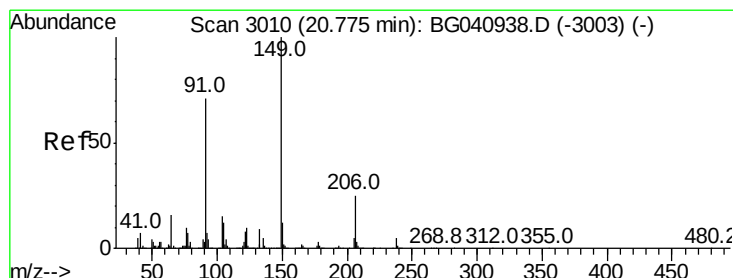
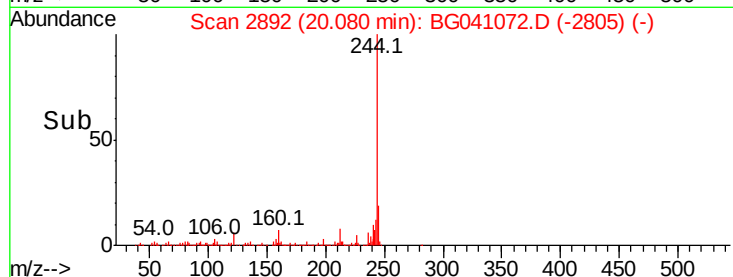
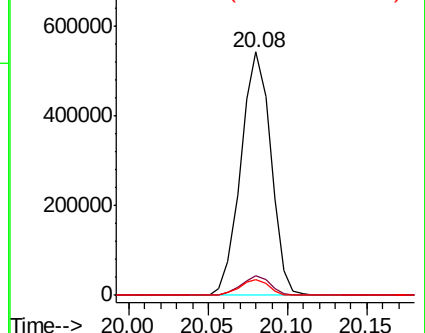
122 6.3 5.4 8.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 18.852 ng

RT: 20.76 min Scan# 3008

Delta R.T. -0.01 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

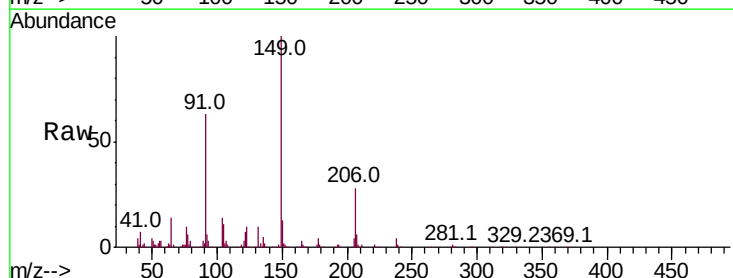
Tgt Ion:149 Resp: 129418

Ion Ratio Lower Upper

149 100

91 63.4 56.5 84.7

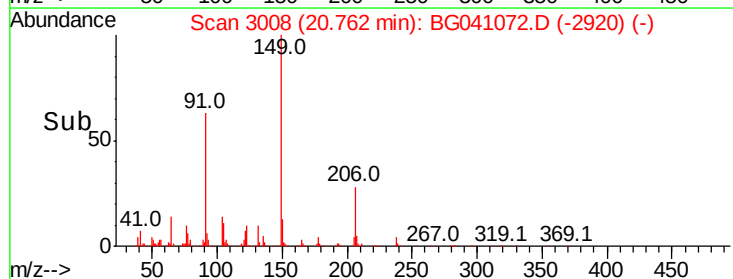
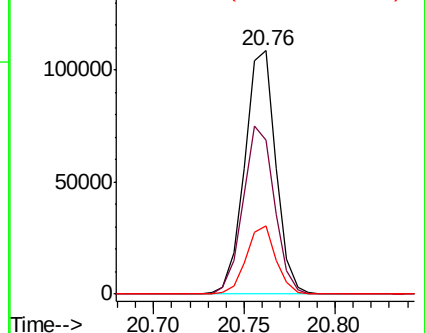
206 27.9 20.3 30.5

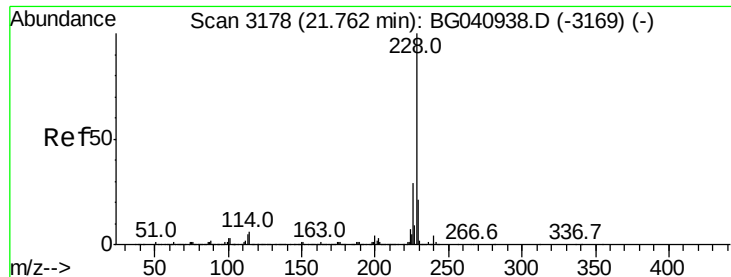


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 19.608 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

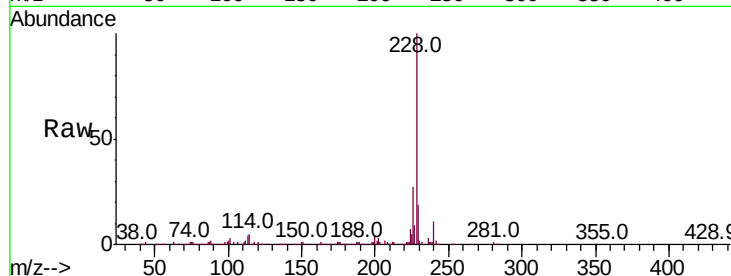
Tot Ion:228 Resp: 354181

Ion Ratio Lower Upper

228 100

226 27.1 23.5 35.3

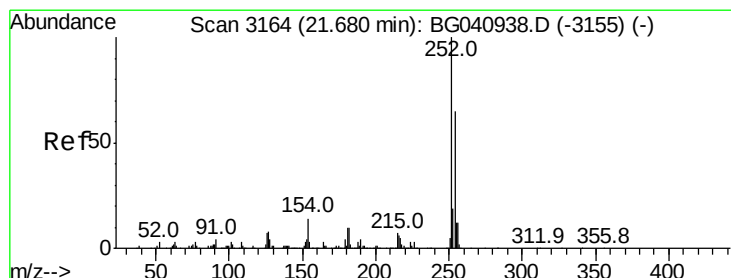
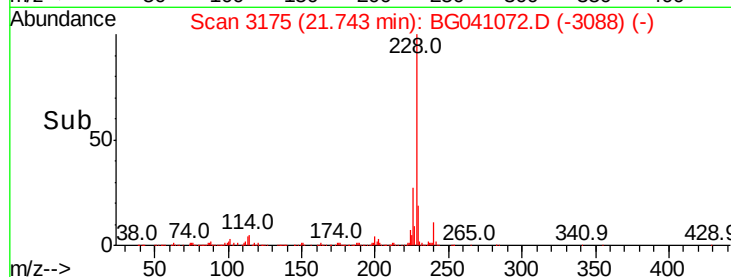
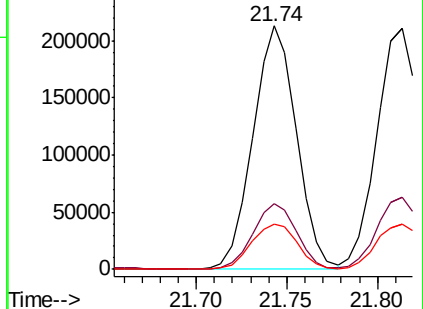
229 18.8 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 21.108 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

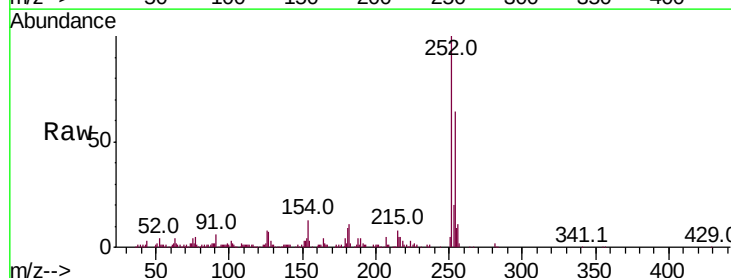
Tgt Ion:252 Resp: 134108

Ion Ratio Lower Upper

252 100

254 63.9 52.1 78.1

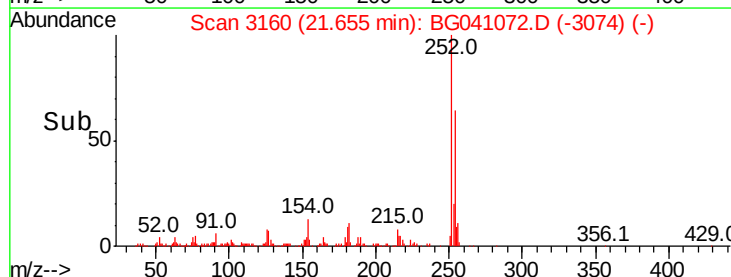
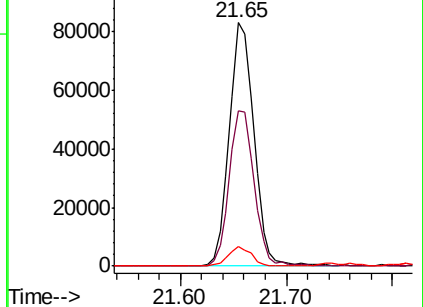
126 8.0 5.5 8.3

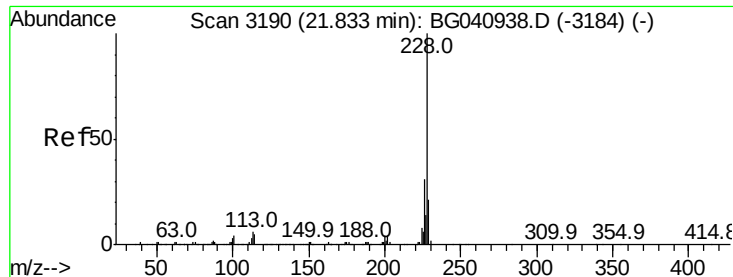


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 20.234 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

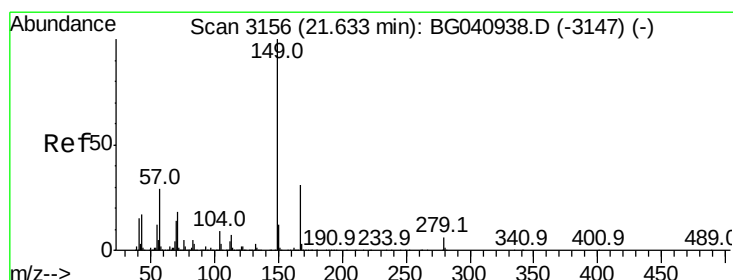
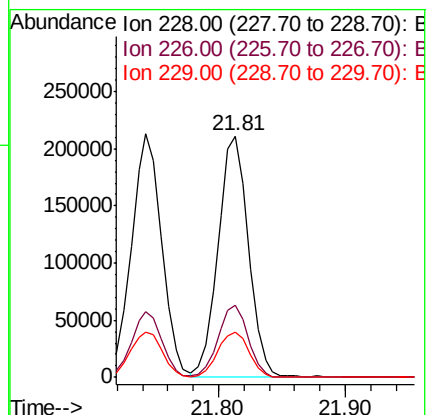
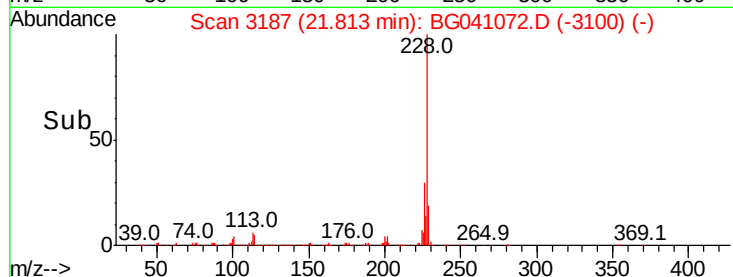
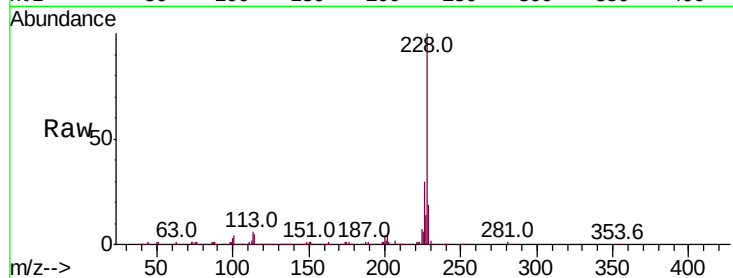
Tot Ion:228 Resp: 349769

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	19.0	16.6	24.8

228 100

226 30.2 24.6 37.0

229 19.0 16.6 24.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.972 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

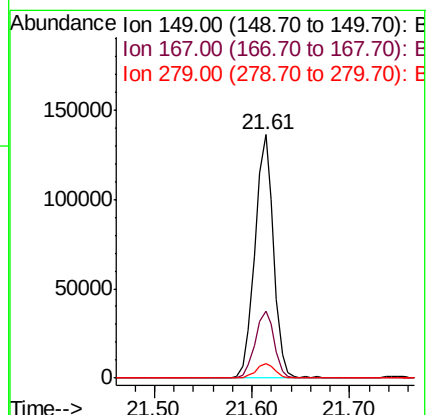
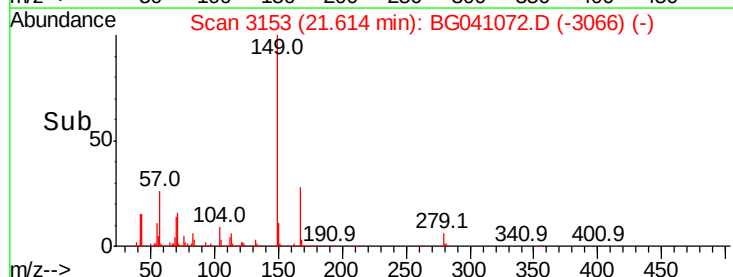
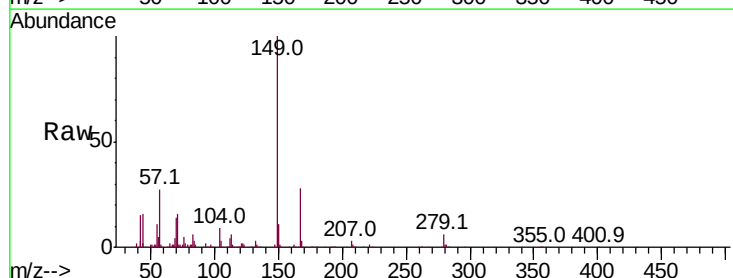
Tgt Ion:149 Resp: 183339

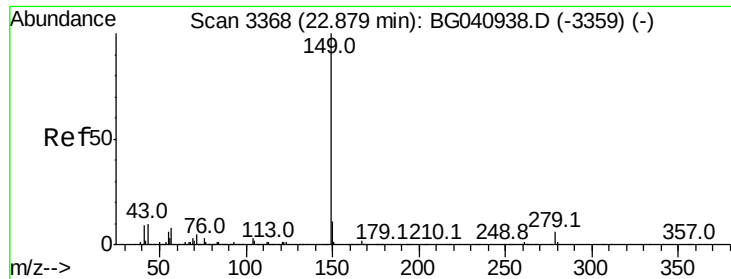
Ion	Ratio	Lower	Upper
149	100		
167	27.8	24.6	37.0
279	6.1	5.0	7.6

149 100

167 27.8 24.6 37.0

279 6.1 5.0 7.6





#85

Di-n-octyl phthalate

Concen: 19.721 ng

RT: 22.85 min Scan# 3364

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

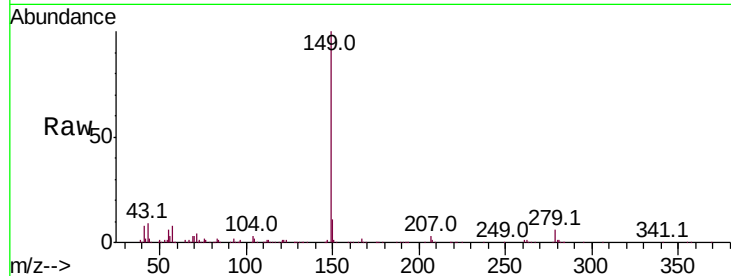
Tot Ion:149 Resp: 317394

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

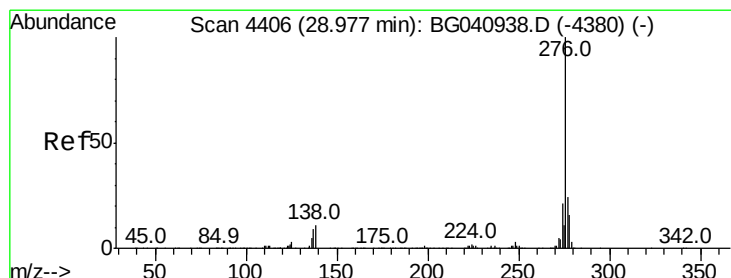
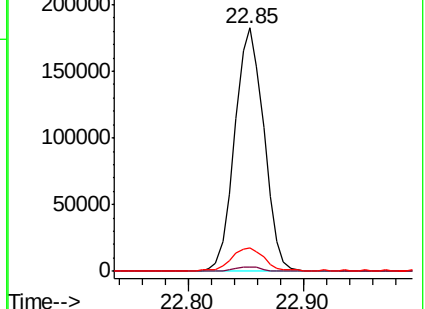
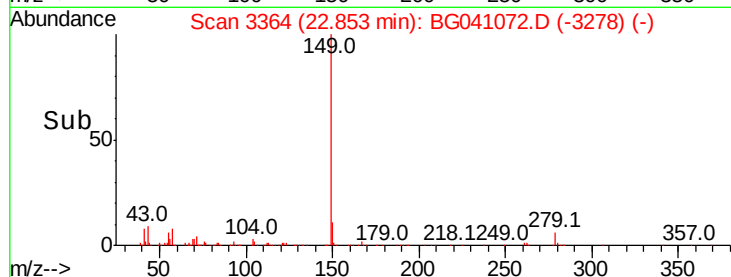
43 10.3 8.1 12.1



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: 19.359 ng

RT: 28.92 min Scan# 4396

Delta R.T. -0.06 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

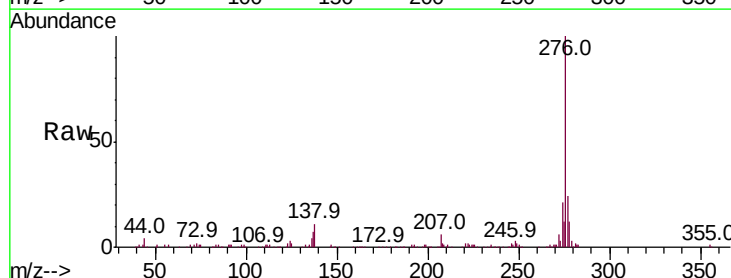
Tgt Ion:276 Resp: 409917

Ion Ratio Lower Upper

276 100

138 9.2 5.7 8.5#

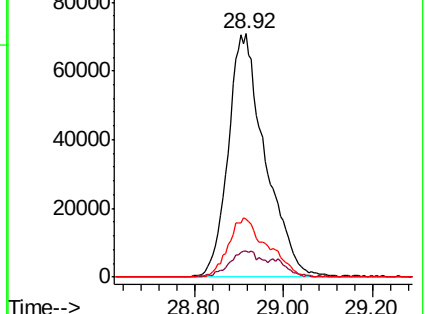
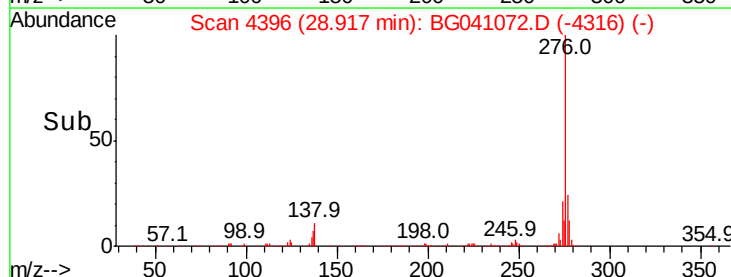
277 25.5 20.8 31.2

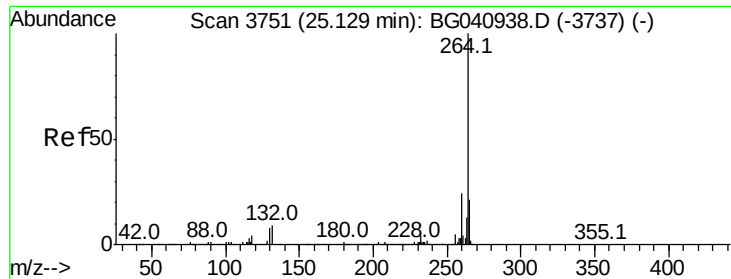


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3745

Delta R.T. -0.04 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

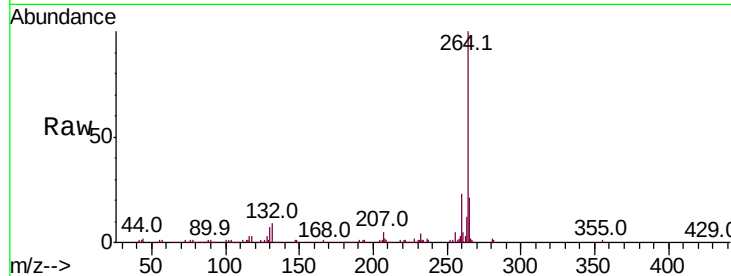
Tot Ion:264 Resp: 298384

Ion Ratio Lower Upper

264 100

260 22.8 19.0 28.4

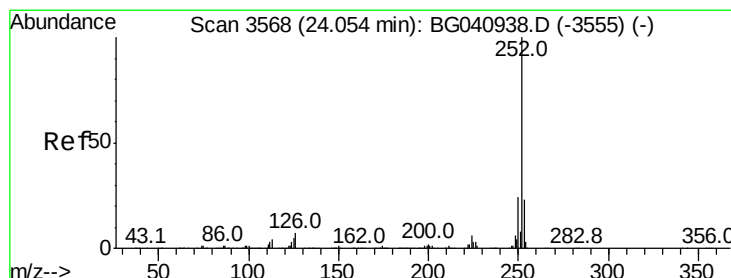
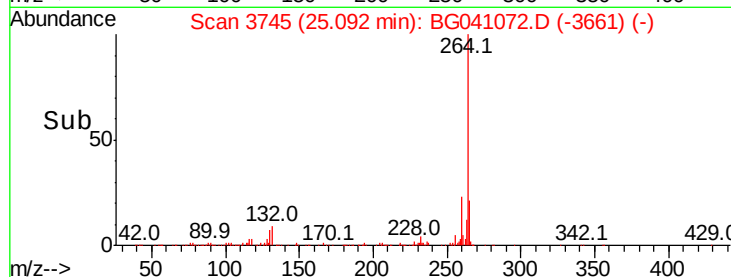
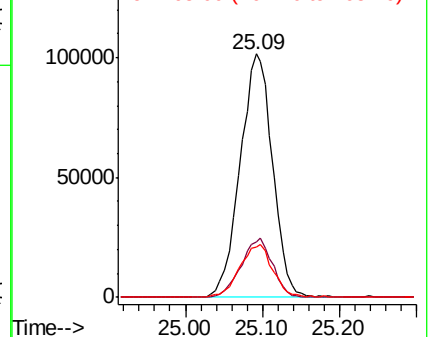
265 20.7 17.0 25.4



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: 19.437 ng

RT: 24.03 min Scan# 3564

Delta R.T. -0.03 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

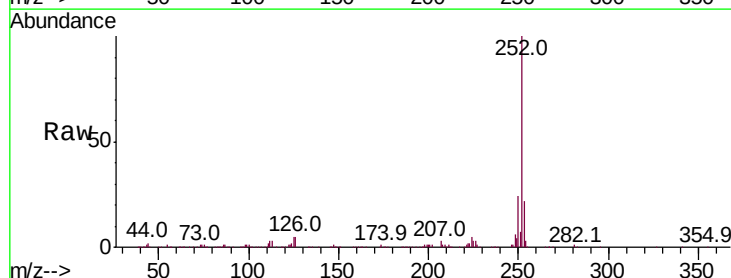
Tgt Ion:252 Resp: 351774

Ion Ratio Lower Upper

252 100

253 21.5 18.4 27.6

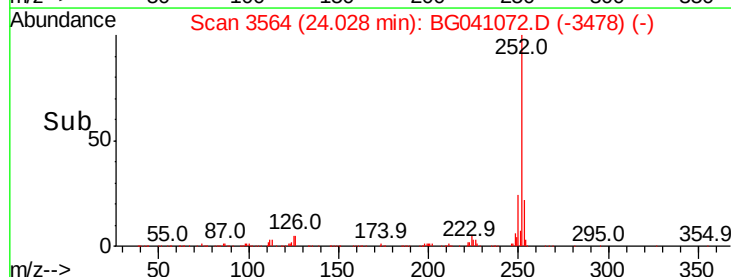
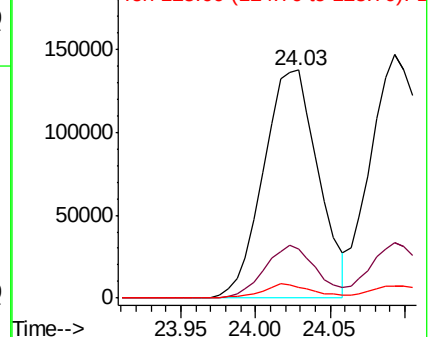
125 4.8 4.3 6.5

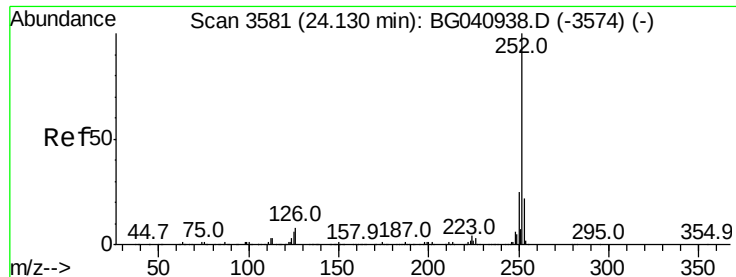


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

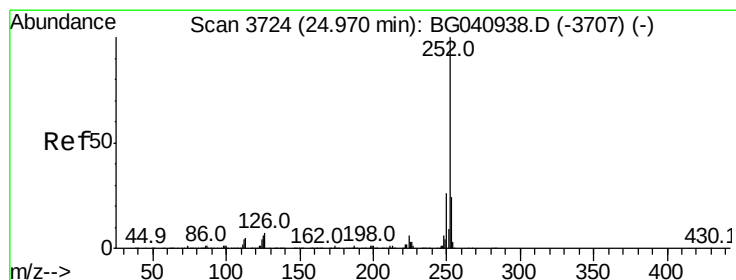
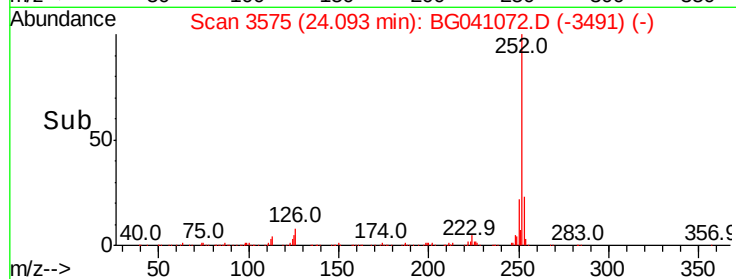
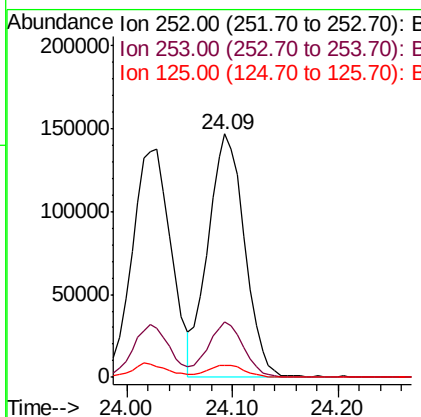
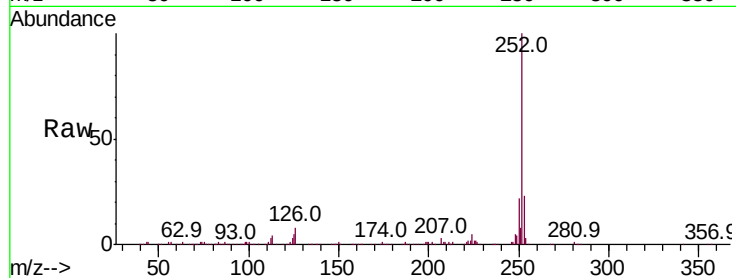




#89
Benzo(k)fluoranthene
Concen: 19.664 ng
RT: 24.09 min Scan# 3575
Delta R.T. -0.04 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

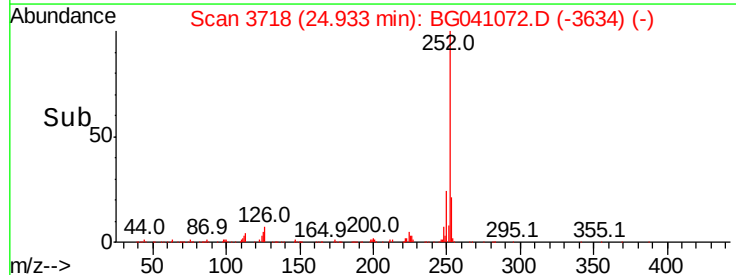
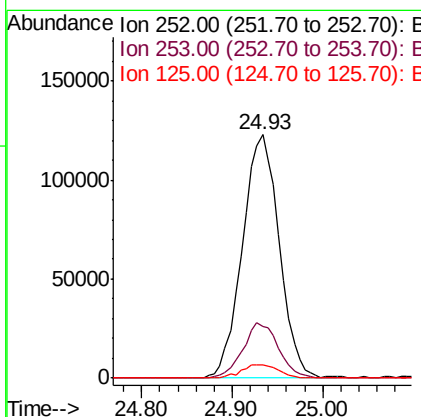
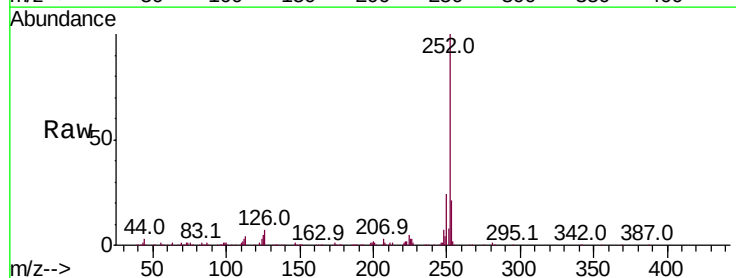
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT2-2019

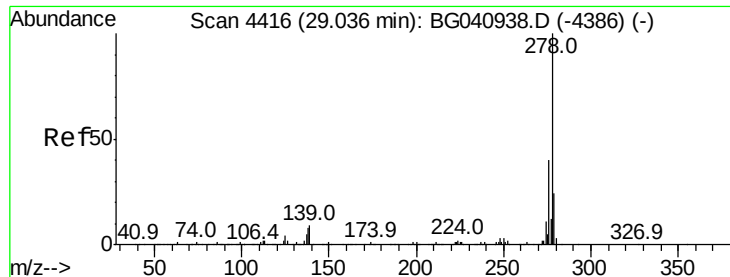
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	4.8	4.7	7.1



#90
Benzo(a)pyrene
Concen: 20.056 ng
RT: 24.93 min Scan# 3718
Delta R.T. -0.04 min
Lab File: BG041072.D
Acq: 5 Jun 2019 15:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.5	29.3
125	5.5	5.1	7.7





#91

Dibenzo(a,h)anthracene

Concen: 19.391 ng

RT: 28.98 min Scan# 4406

Delta R.T. -0.06 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT2-2019

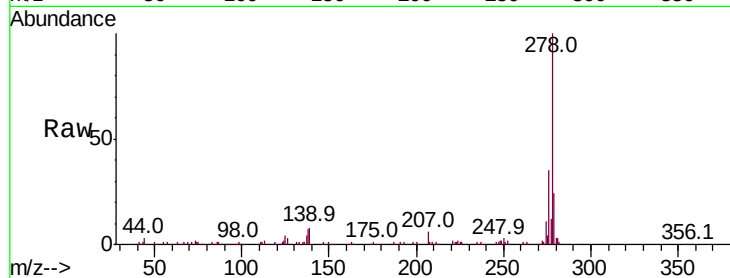
Tot Ion:278 Resp: 334564

Ion Ratio Lower Upper

278 100

139 7.8 7.1 10.7

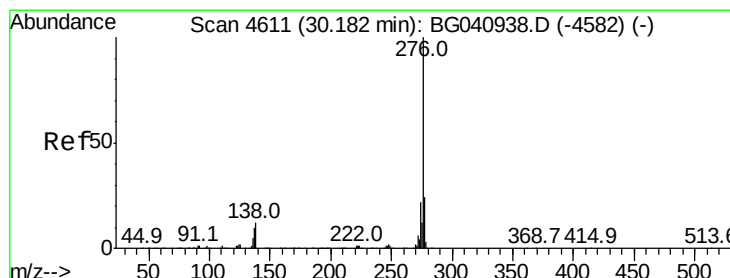
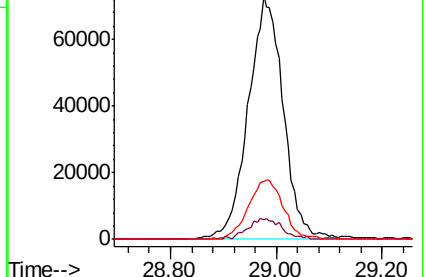
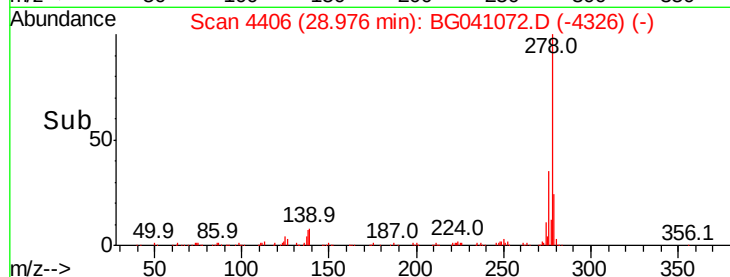
279 23.8 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 20.304 ng

RT: 30.12 min Scan# 4601

Delta R.T. -0.06 min

Lab File: BG041072.D

Acq: 5 Jun 2019 15:03

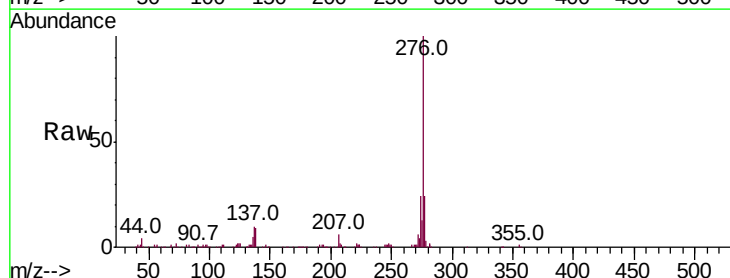
Tgt Ion:276 Resp: 340326

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 9.2 9.7 14.5#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

