

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045980.D
 Acq On : 8 Jul 2020 14:35
 Operator : CG/JU
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 15:24:12 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	135521	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	543499	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	322615	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	667578	20.00	ng	0.00
76) Chrysene-d12	21.63	240	607314	20.00	ng	0.00
86) Perylene-d12	24.78	264	601012	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	826502	98.90	ng	0.00
7) Phenol-d6	7.16	99	1204858	100.14	ng	0.00
23) Nitrobenzene-d5	9.16	82	791804	83.85	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	297934	99.50	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1534174	74.18	ng	0.00
79) Terphenyl-d14	19.99	244	1612590	59.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	43098	11.178	ng	# 97
3) Pyridine	3.90	79	91594	7.857	ng	98
4) n-Nitrosodimethylamine	3.82	42	37186	9.433	ng	96
6) Aniline	7.33	93	146123	9.494	ng	98
8) 2-Chlorophenol	7.57	128	85322	9.484	ng	98
9) Benzaldehyde	7.14	77	131463	17.246	ng	94
10) Phenol	7.19	94	112510	9.322	ng	95
11) bis(2-Chloroethyl)ether	7.42	93	91068	9.125	ng	97
12) 1,3-Dichlorobenzene	7.90	146	94648	9.128	ng	99
13) 1,4-Dichlorobenzene	8.05	146	95545	9.367	ng	96
14) 1,2-Dichlorobenzene	8.36	146	90396	9.208	ng	98
15) Benzyl Alcohol	8.24	79	85819	9.097	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.53	45	121502	9.331	ng	96
17) 2-Methylphenol	8.44	107	75591	8.347	ng	98
18) Hexachloroethane	9.10	117	35905	9.148	ng	96
19) n-Nitroso-di-n-propylamine	8.81	70	78621	9.302	ng	98
20) 3+4-Methylphenols	8.76	107	100224	8.120	ng	100
22) Acetophenone	8.82	105	212455	14.632	ng	# 95
24) Nitrobenzene	9.20	77	107173	10.283	ng	97
25) Isophorone	9.73	82	208035	9.025	ng	98
26) 2-Nitrophenol	9.91	139	32410	9.541	ng	97
27) 2,4-Dimethylphenol	9.97	122	77968	9.502	ng	98
28) bis(2-Chloroethoxy)methane	10.21	93	119254	9.213	ng	99
29) 2,4-Dichlorophenol	10.45	162	72471	8.532	ng	97
30) 1,2,4-Trichlorobenzene	10.67	180	85659	9.102	ng	94
31) Naphthalene	10.85	128	273840	9.399	ng	97
32) Benzoic acid	10.05	122	45646	10.274	ng	89
33) 4-Chloroaniline	10.95	127	114121	8.765	ng	97
34) Hexachlorobutadiene	11.15	225	46769	8.511	ng	93
35) Caprolactam	11.69	113	26183	8.119	ng	95
36) 4-Chloro-3-methylphenol	12.07	107	84720	8.757	ng	97
37) 2-Methylnaphthalene	12.46	142	198151	9.567	ng	98
38) 1-Methylnaphthalene	12.67	142	183244	9.375	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	139070	15.292	ng	99

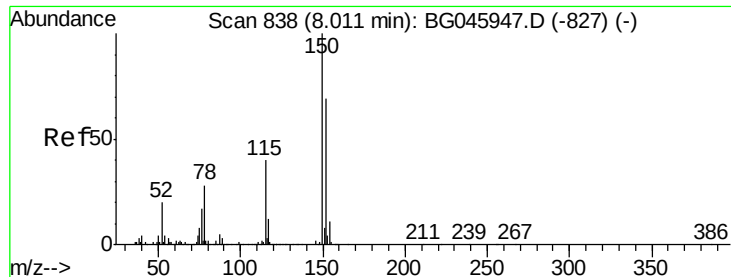
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
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 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	47674	8.835	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	52756	8.578	ng	98
44) 2,4,5-Trichlorophenol	13.13	196	57560	8.277	ng	94
46) 1,1'-Biphenyl	13.47	154	390907	16.107	ng	98
47) 2-Chloronaphthalene	13.50	162	174503	9.113	ng	100
48) 2-Nitroaniline	13.69	65	47006	10.489	ng	97
49) Acenaphthylene	14.35	152	295893	9.577	ng	99
50) Dimethylphthalate	14.08	163	216907	8.959	ng	98
51) 2,6-Dinitrotoluene	14.19	165	39416	10.492	ng	97
52) Acenaphthene	14.69	154	175820	9.022	ng	97
53) 3-Nitroaniline	14.51	138	43625	9.371	ng	# 88
54) 2,4-Dinitrophenol	14.72	184	13497	10.185	ng	# 73
55) Dibenzofuran	15.02	168	269910	9.449	ng	98
56) 4-Nitrophenol	14.81	139	34999	8.873	ng	96
57) 2,4-Dinitrotoluene	14.97	165	47820	10.302	ng	# 95
58) Fluorene	15.68	166	219979	9.387	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.25	232	48496	9.032	ng	92
60) Diethylphthalate	15.45	149	222313	8.755	ng	95
61) 4-Chlorophenyl-phenylether	15.67	204	101419	8.699	ng	97
62) 4-Nitroaniline	15.68	138	47590	9.510	ng	96
63) Azobenzene	15.96	77	258306	9.478	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	14737	7.537	ng	86
66) n-Nitrosodiphenylamine	15.88	169	189533	9.162	ng	96
67) 4-Bromophenyl-phenylether	16.56	248	61712	8.277	ng	95
68) Hexachlorobenzene	16.69	284	64532	8.625	ng	97
69) Atrazine	16.83	200	62678	10.248	ng	92
70) Pentachlorophenol	17.02	266	30104	7.237	ng	93
71) Phenanthrene	17.41	178	333971	9.463	ng	94
72) Anthracene	17.50	178	346140	9.664	ng	95
73) Carbazole	17.77	167	319569	8.901	ng	96
74) Di-n-butylphthalate	18.35	149	385277	8.881	ng	96
75) Fluoranthene	19.42	202	392428	9.618	ng	95
77) Benzidine	19.59	184	200298	11.535	ng	99
78) Pyrene	19.78	202	398547	9.614	ng	94
80) Butylbenzylphthalate	20.68	149	160923	8.214	ng	99
81) Benzo(a)anthracene	21.61	228	371533	9.304	ng	95
82) 3,3'-Dichlorobenzidine	21.52	252	135431	9.178	ng	98
83) Chrysene	21.67	228	348958	9.173	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	247064	8.688	ng	92
85) Di-n-octyl phthalate	22.75	149	404805	8.203	ng	98
87) Indeno(1,2,3-cd)pyrene	28.35	276	400305	9.104	ng	98
88) Benzo(b)fluoranthene	23.78	252	357827	9.379	ng	99
89) Benzo(k)fluoranthene	23.85	252	360949	10.005	ng	97
90) Benzo(a)pyrene	24.63	252	324701	9.051	ng	98
91) Dibenzo(a,h)anthracene	28.43	278	328312	9.258	ng	96
92) Benzo(g,h,i)perylene	29.46	276	334082	9.361	ng	98

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

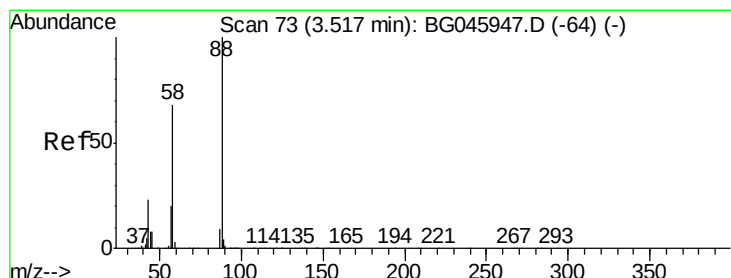
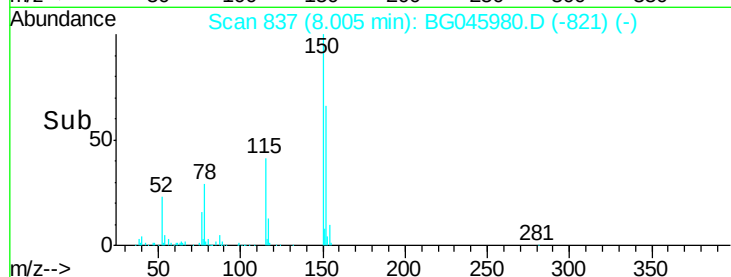
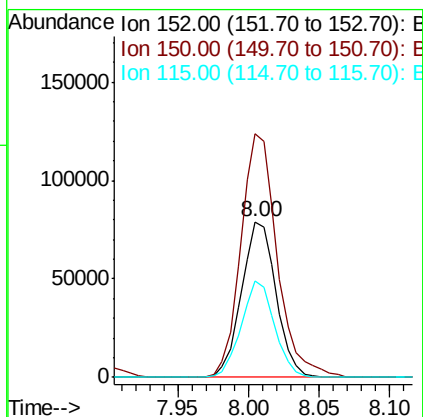
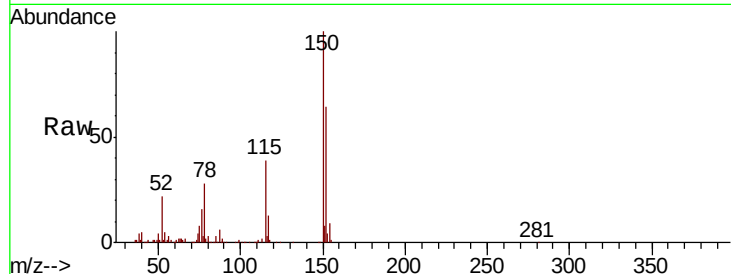


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

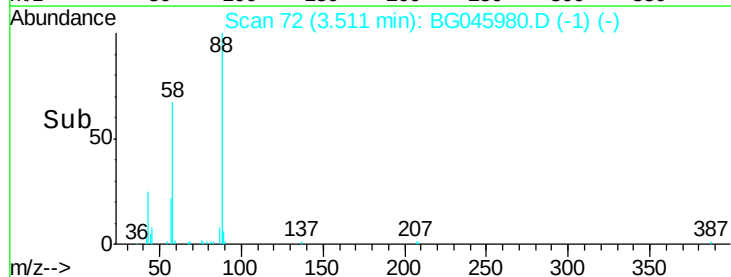
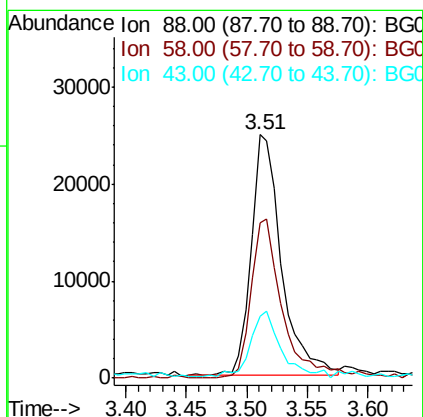
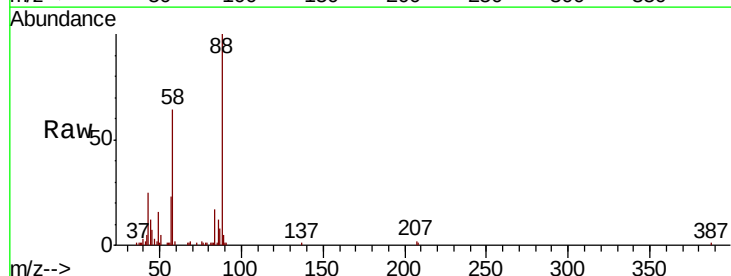
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	116.7	175.1
115	61.7	47.4	71.0

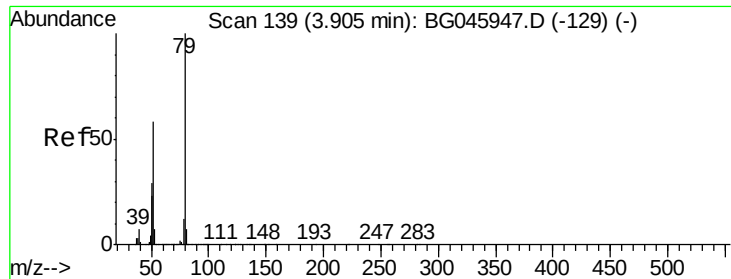


#2

1,4-Dioxane
Concen: 11.178 ng
RT: 3.51 min Scan# 72
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.5	55.2	82.8
43	29.3	19.4	29.0

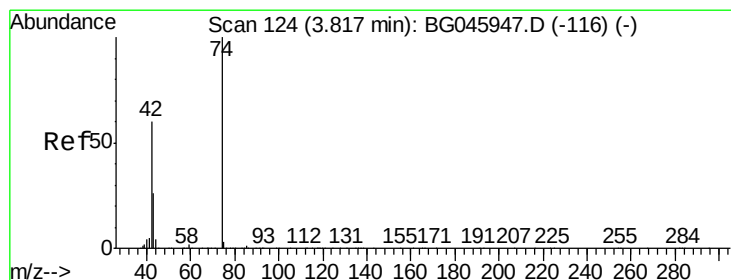
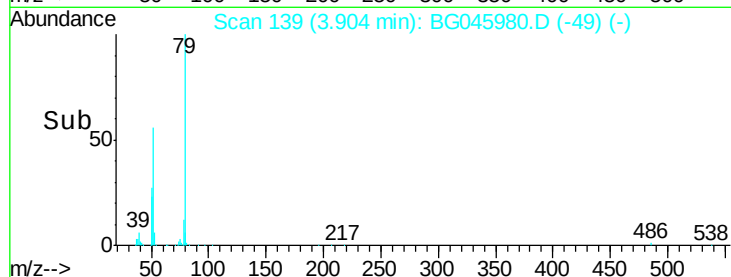
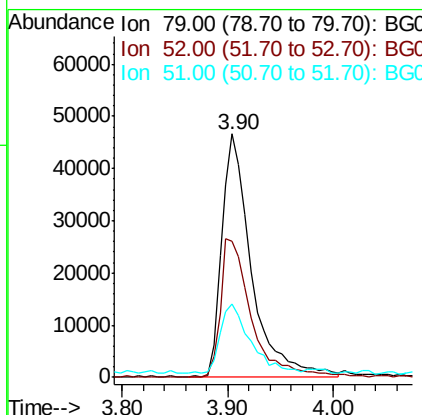
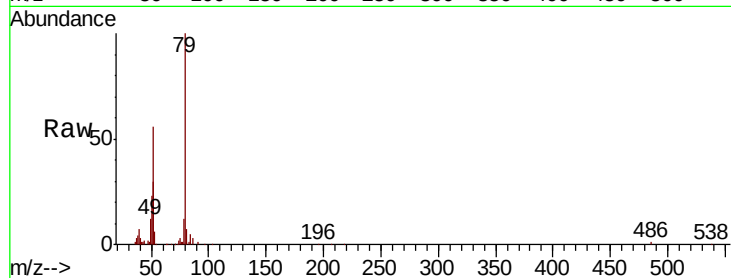




#3
 Pvridine
 Concen: 7.857 ng
 RT: 3.90 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

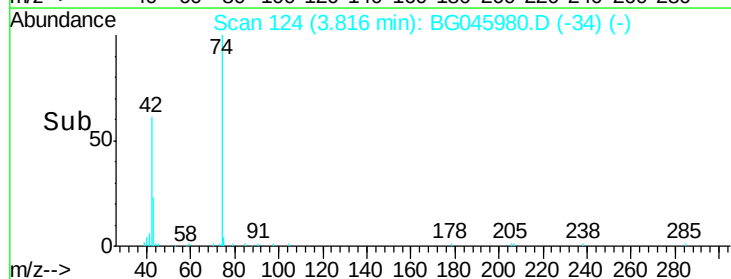
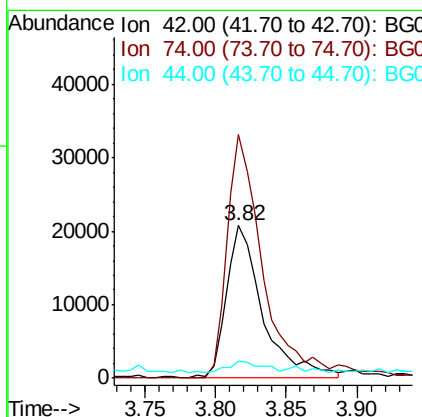
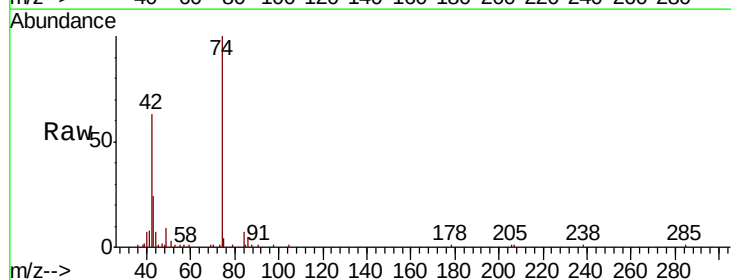
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

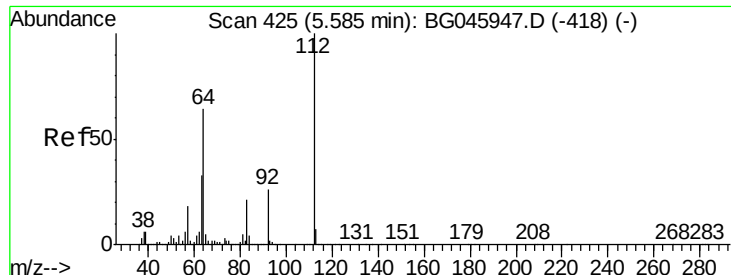
Tot Ion: 79 Resp: 91594
 Ion Ratio Lower Upper
 79 100
 52 56.0 46.5 69.7
 51 30.3 23.5 35.3



#4
 n-Nitrosodimethylamine
 Concen: 9.433 ng
 RT: 3.82 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion: 42 Resp: 37186
 Ion Ratio Lower Upper
 42 100
 74 159.9 131.9 197.9
 44 11.2 7.7 11.5





#5

2-Fluorophenol

Concen: 98.901 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

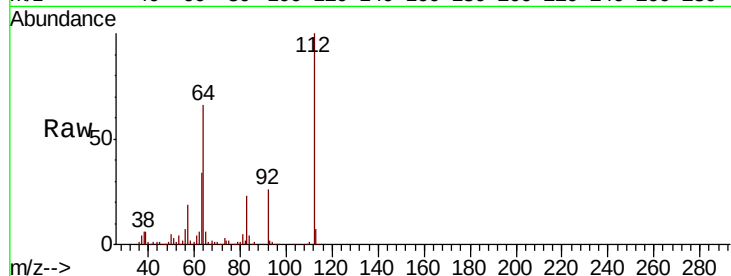
Tot Ion:112 Resp: 826502

Ion Ratio Lower Upper

112 100

64 65.7 51.4 77.2

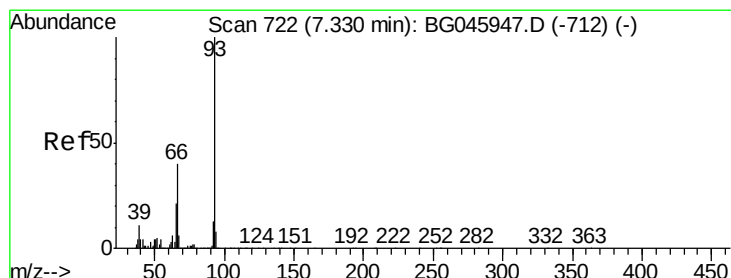
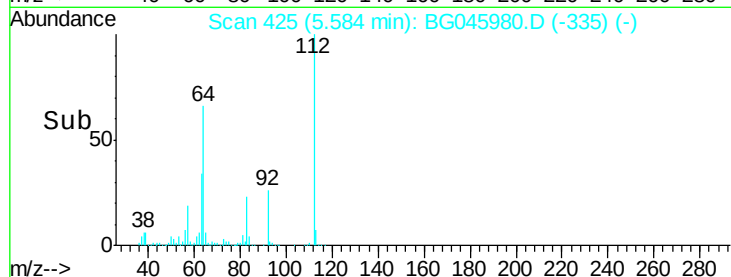
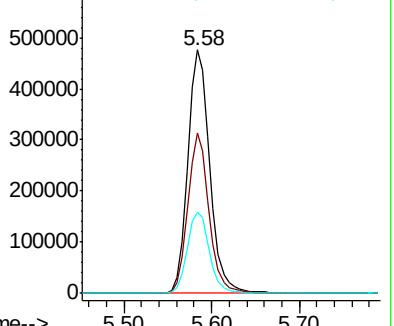
63 33.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 9.494 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

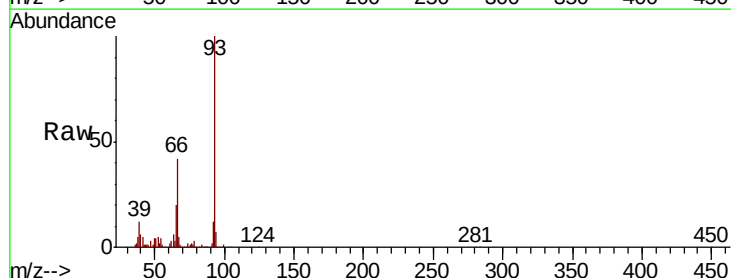
Tgt Ion: 93 Resp: 146123

Ion Ratio Lower Upper

93 100

66 41.7 32.3 48.5

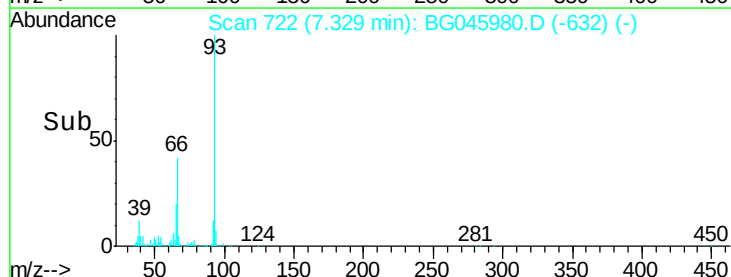
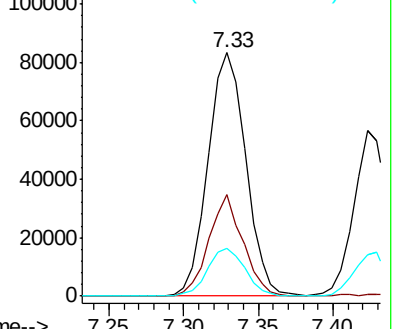
65 19.7 16.6 25.0

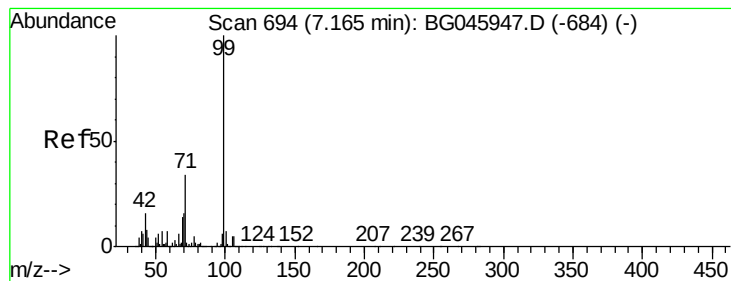


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 100.142 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

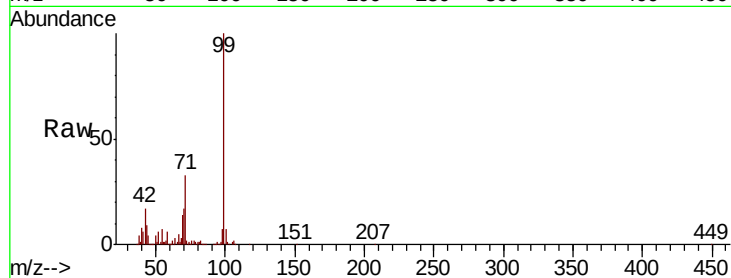
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 99 Resp: 1204858

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.0	19.4
71	33.4	27.5	41.3

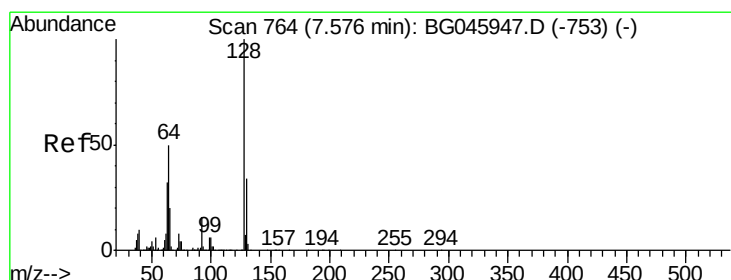
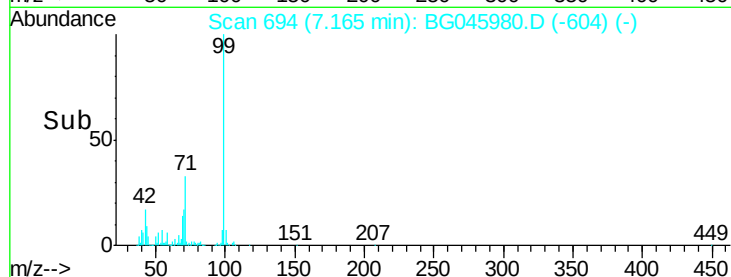
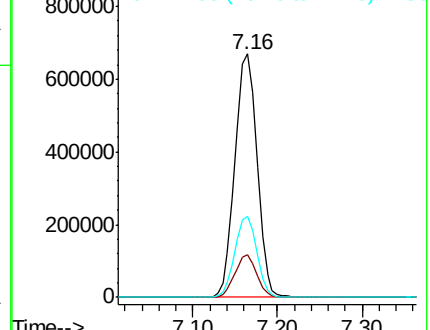


Abundance

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: 9.484 ng

RT: 7.57 min Scan# 763

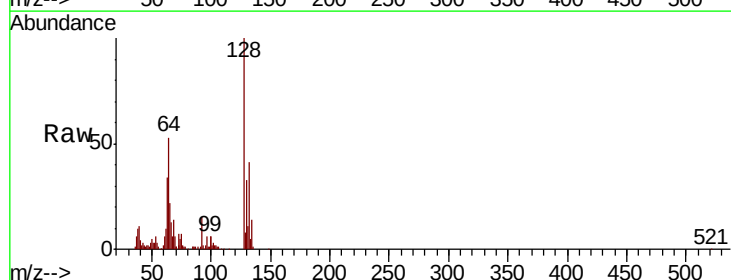
Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion: 128 Resp: 85322

Ion	Ratio	Lower	Upper
128	100		
130	33.1	13.6	53.6
64	52.5	30.6	70.6

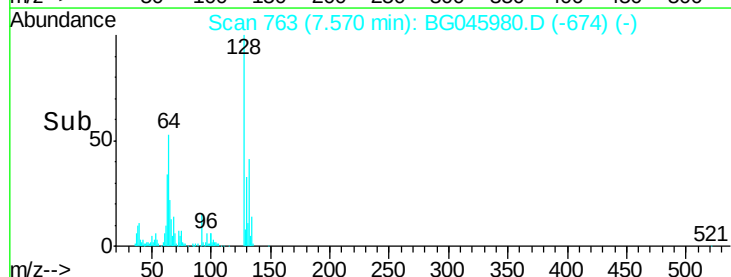
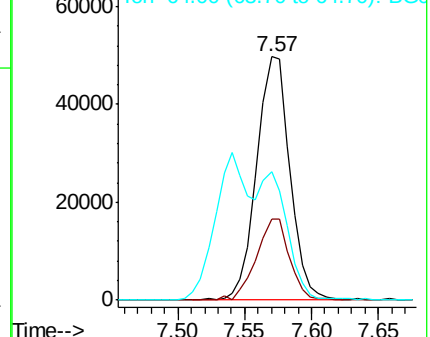


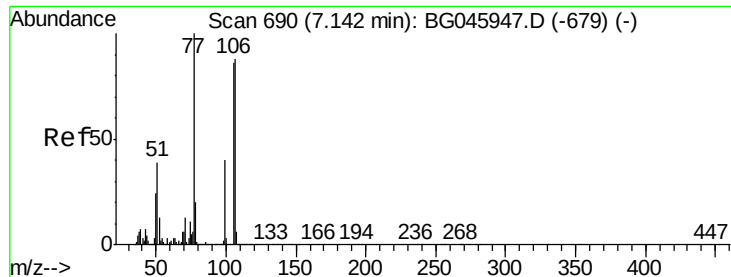
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 17.246 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

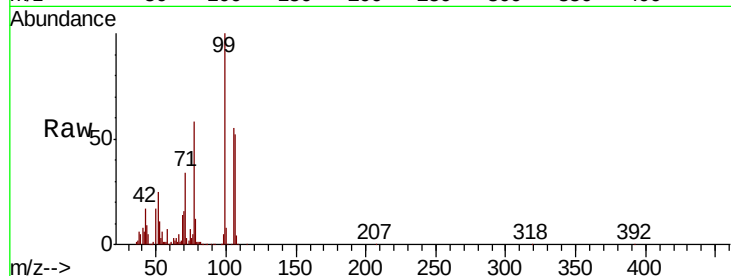
Tot Ion: 77 Resp: 131463

Ion Ratio Lower Upper

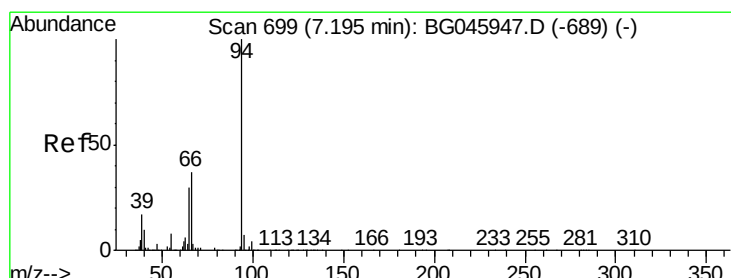
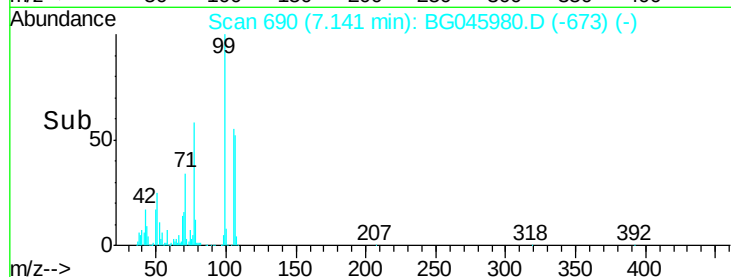
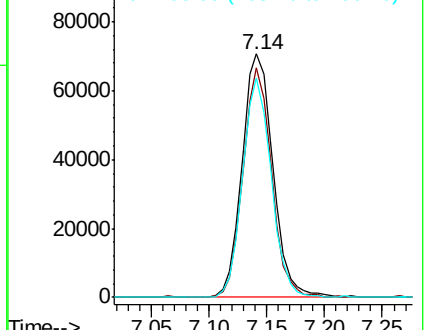
77 100

105 94.1 66.0 106.0

106 90.2 67.7 107.7



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



#10

Phenol

Concen: 9.322 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

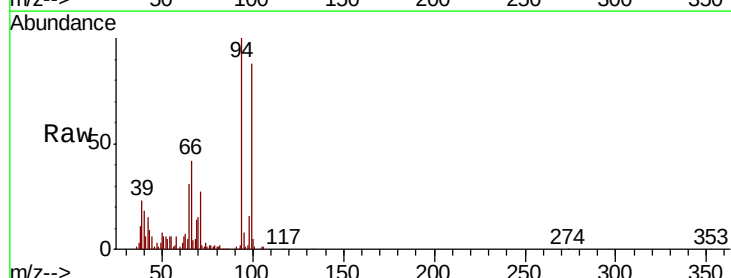
Tgt Ion: 94 Resp: 112510

Ion Ratio Lower Upper

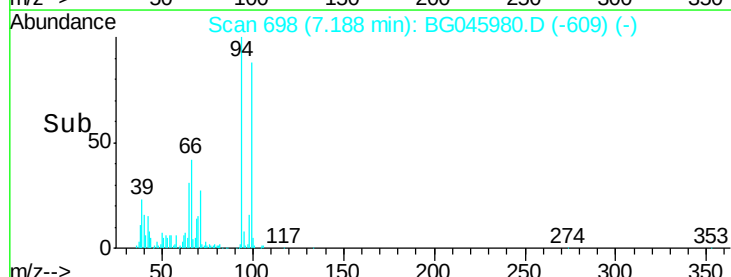
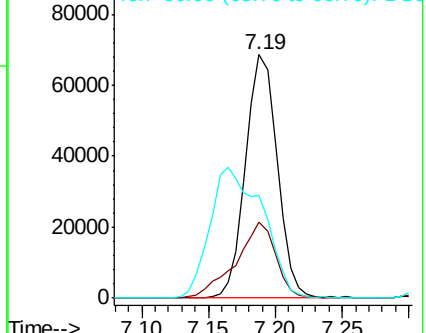
94 100

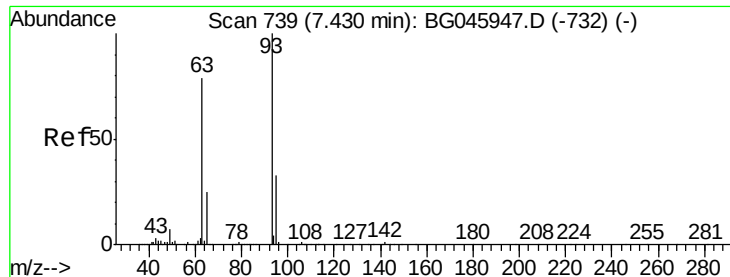
65 31.4 10.6 50.6

66 42.3 17.1 57.1



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

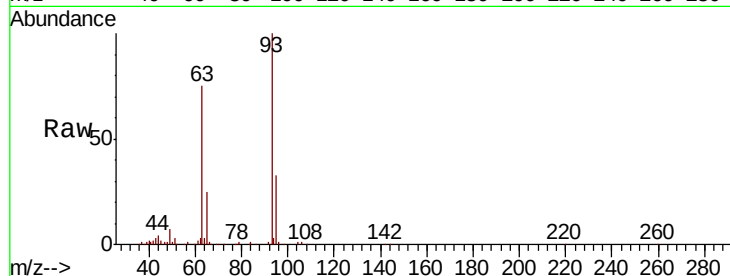




#11
bis(2-Chloroethyl)ether
Concen: 9.125 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	93	Resp	91068
Ion	Ratio	Lower	Upper
93	100		
63	75.3	58.6	98.6
95	33.2	13.3	53.3

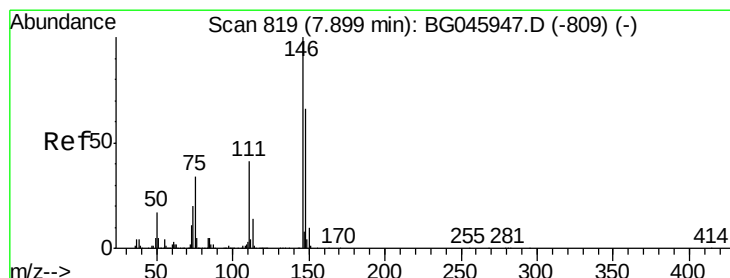
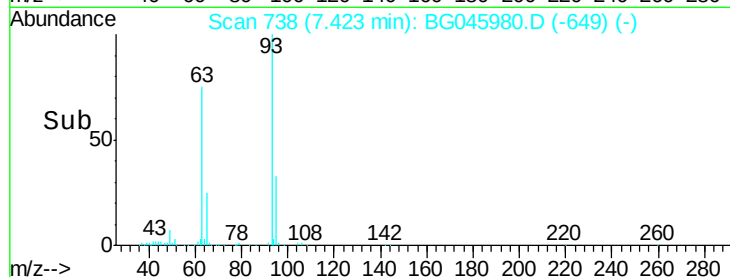
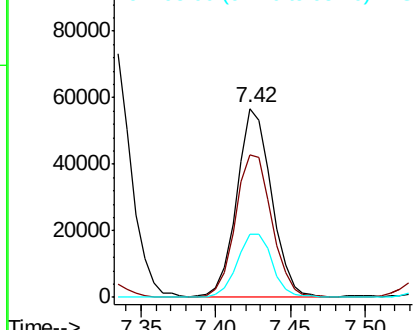


Abundance

Ion 93.00 (92.70 to 93.70): BGC

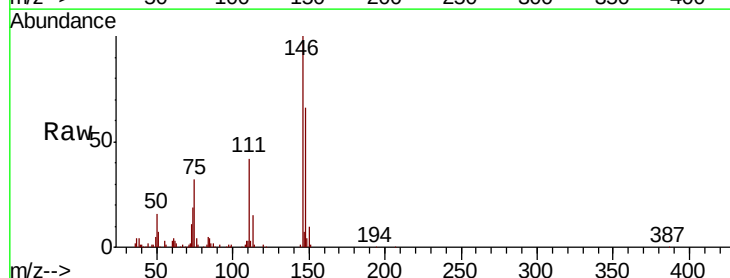
Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC



#12
1,3-Dichlorobenzene
Concen: 9.128 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	146	Resp	94648
Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.8	79.2
75	32.2	27.2	40.8

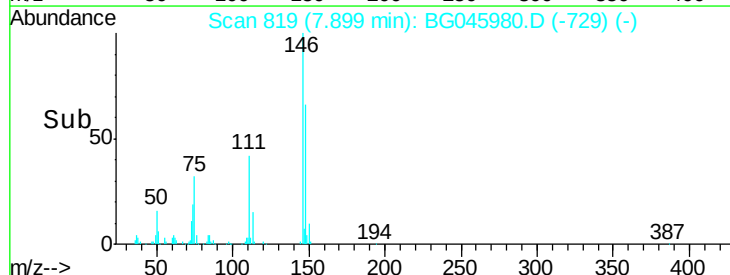
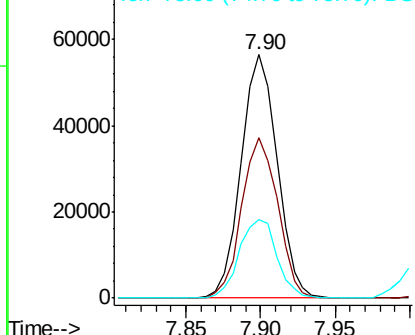


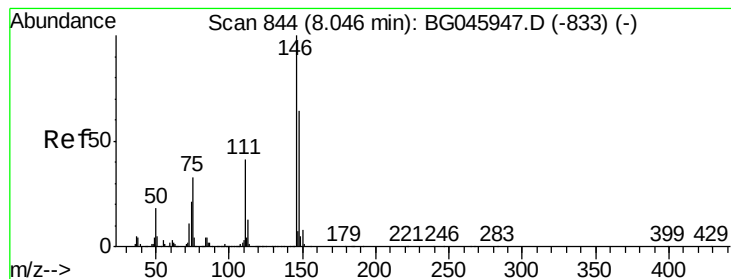
Abundance

Ion 146.00 (145.70 to 146.70): BGC

Ion 148.00 (147.70 to 148.70): BGC

Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 9.367 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

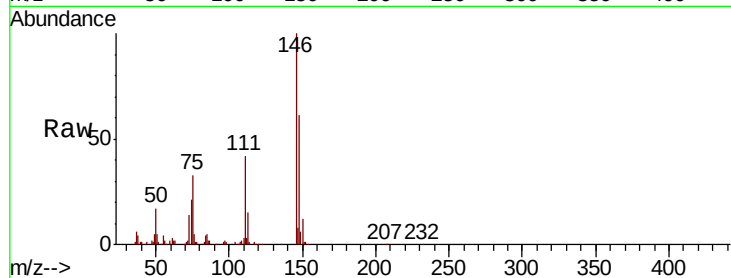
Tot Ion:146 Resp: 95545

Ion Ratio Lower Upper

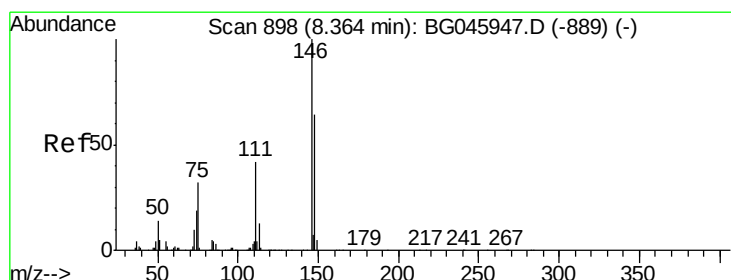
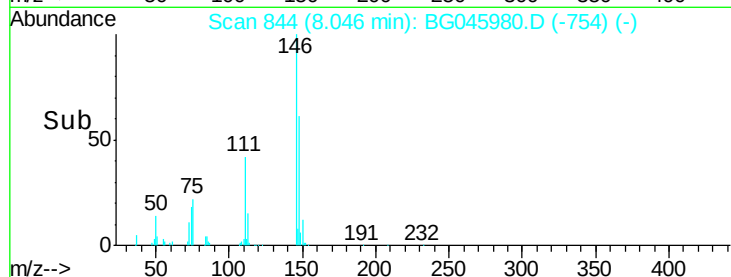
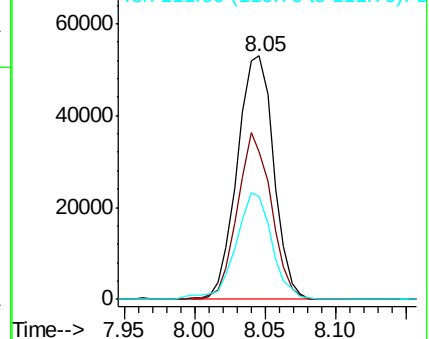
146 100

148 60.7 51.7 77.5

111 42.4 33.3 49.9



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: 9.208 ng

RT: 8.36 min Scan# 898

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

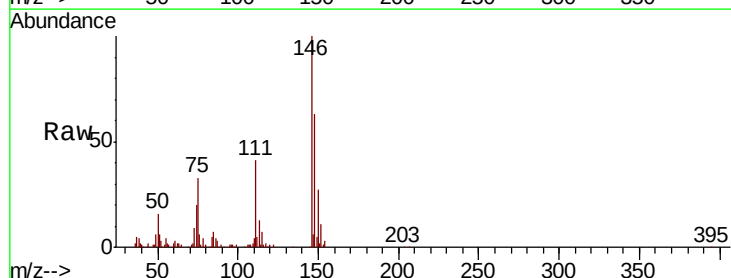
Tgt Ion:146 Resp: 90396

Ion Ratio Lower Upper

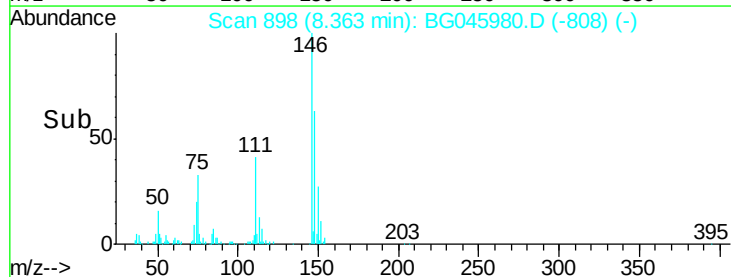
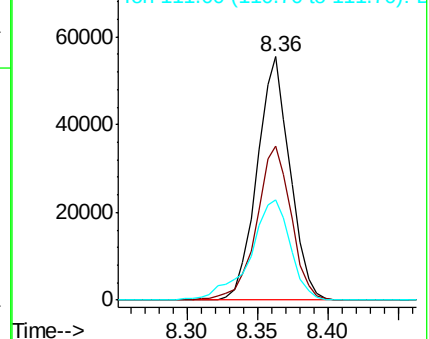
146 100

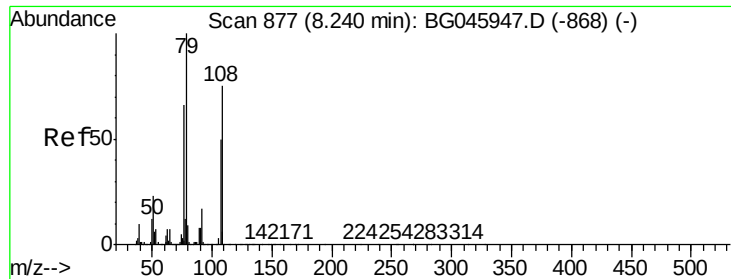
148 63.2 51.6 77.4

111 41.0 34.0 51.0



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

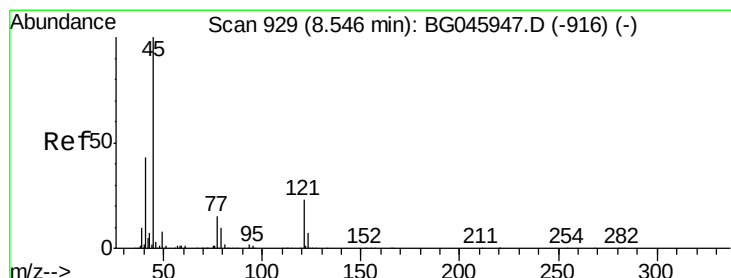
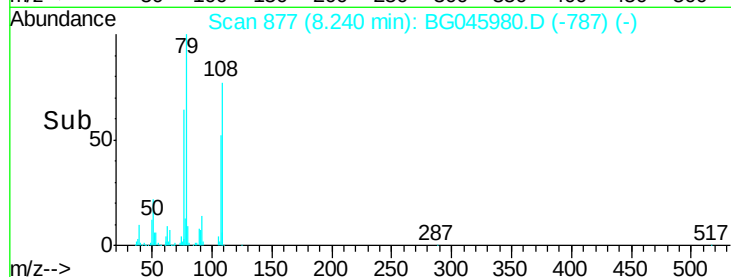
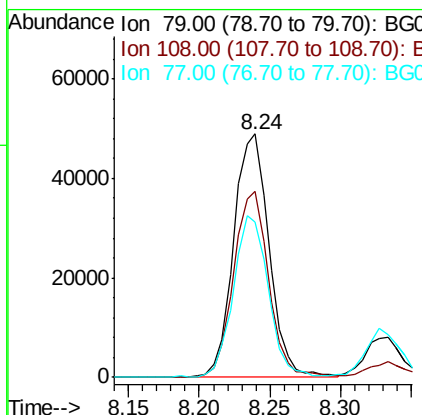
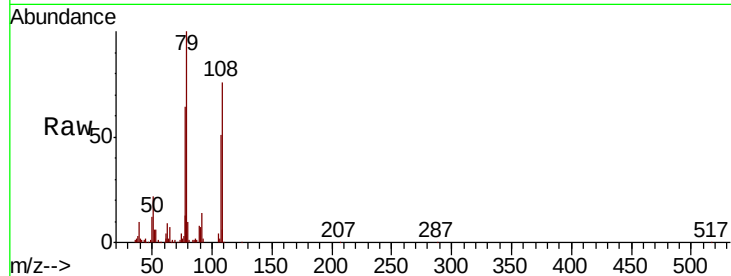




#15
Benzyl Alcohol
Concen: 9.097 ng
RT: 8.24 min Scan# 877
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

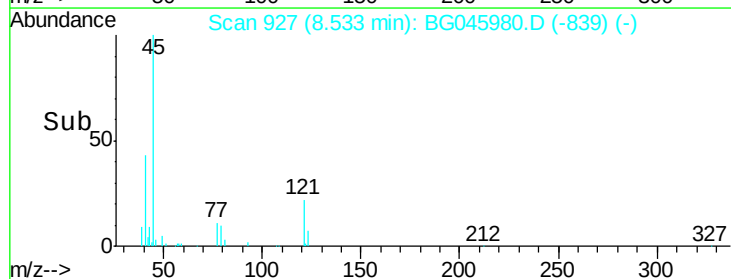
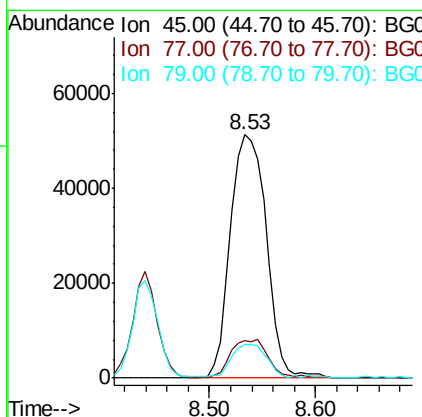
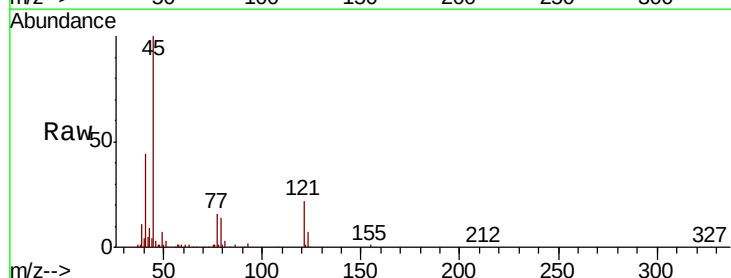
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

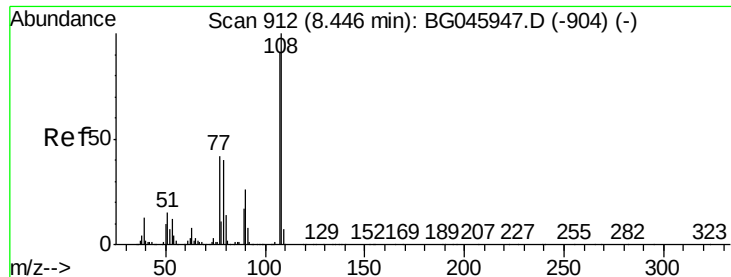
Tot Ion: 79 Resp: 85819
Ion Ratio Lower Upper
79 100
108 76.5 60.2 90.4
77 63.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.331 ng
RT: 8.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion: 45 Resp: 121502
Ion Ratio Lower Upper
45 100
77 15.6 0.0 37.6
79 13.6 0.0 32.6

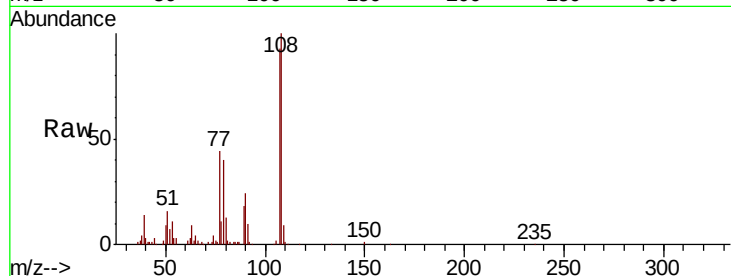




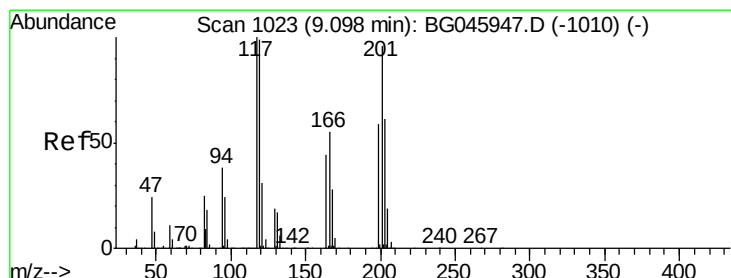
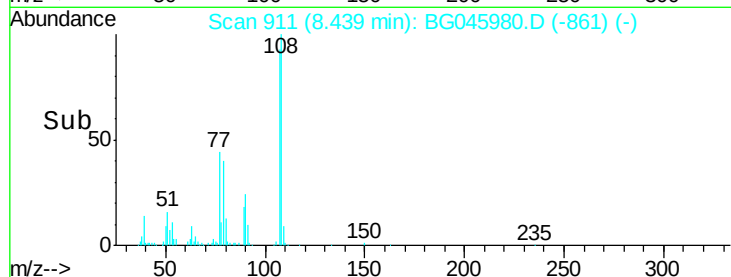
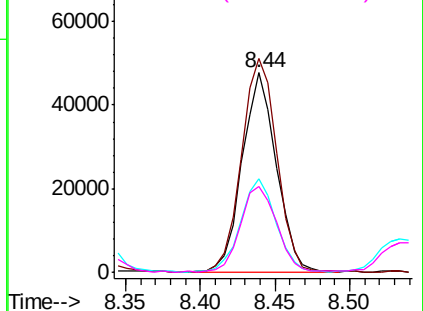
#17
2-Methylphenol
Concen: 8.347 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	107	Resp:	75591
Ion	Ratio	Lower	Upper
107	100		
108	107.1	88.2	132.4
77	47.2	37.0	55.4
79	43.3	35.4	53.0

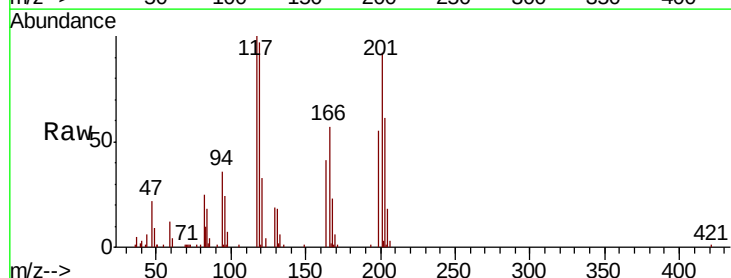


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

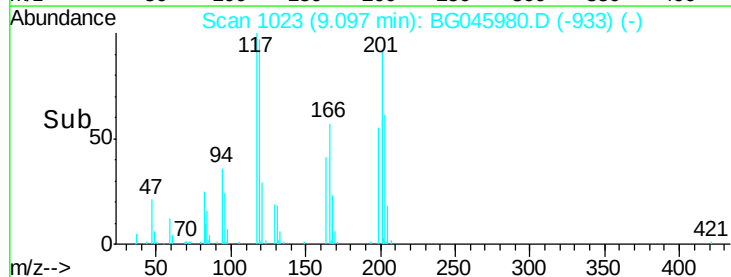
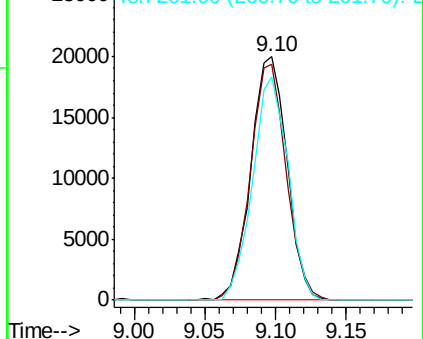


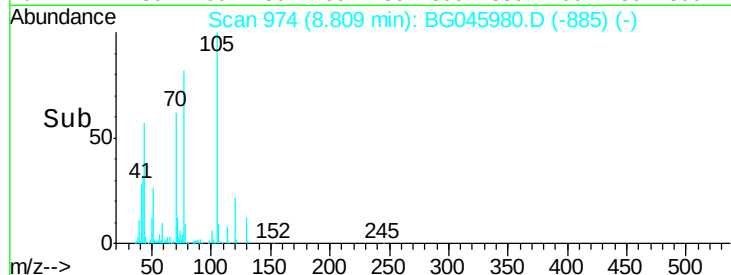
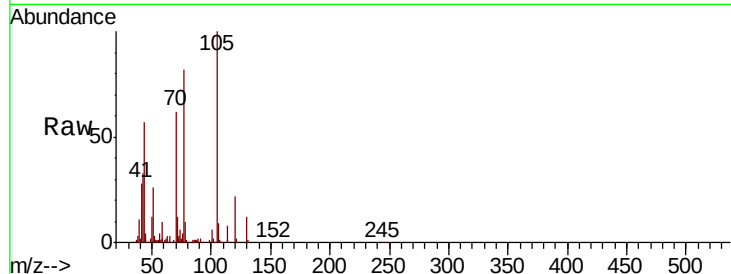
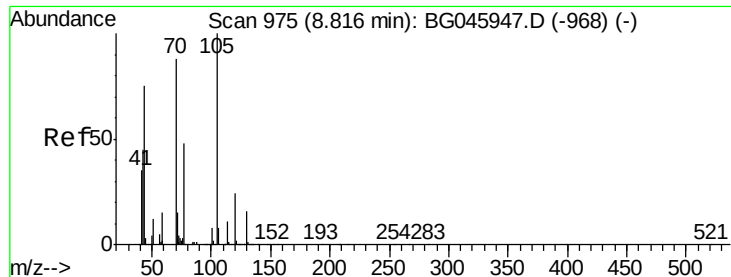
#18
Hexachloroethane
Concen: 9.148 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:	117	Resp:	35905
Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.5	119.3
201	91.6	77.0	115.4



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

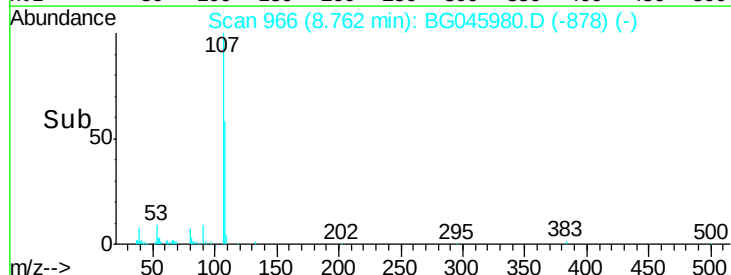
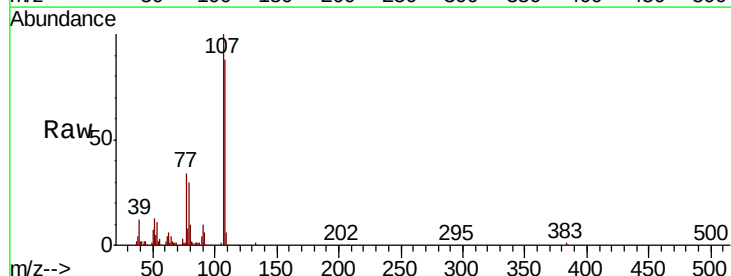
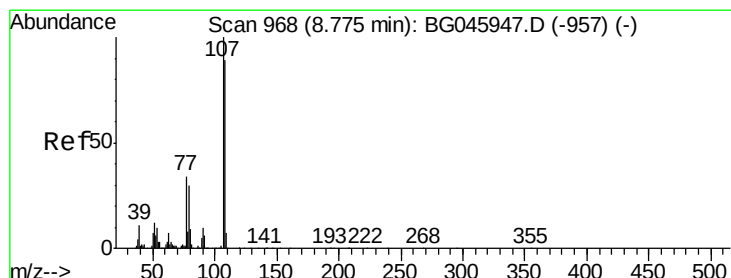
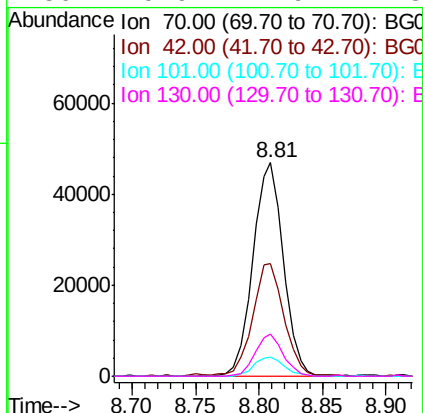




#19
n-Nitroso-di-n-propylamine
Concen: 9.302 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

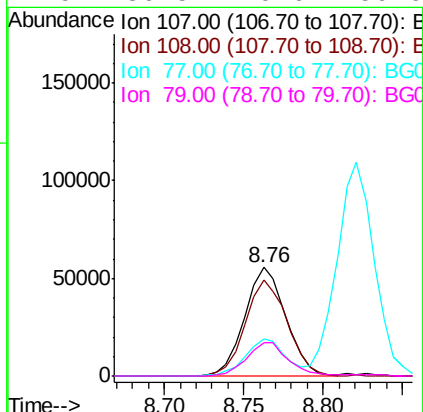
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

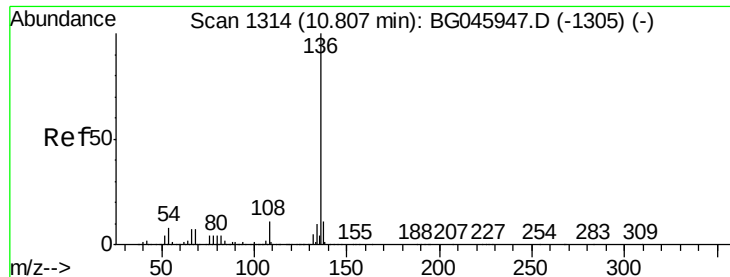
Tot Ion:	70	Resp:	78621
Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	9.2	7.1	10.7
130	19.9	14.9	22.3



#20
3+4-Methylphenols
Concen: 8.120 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:	107	Resp:	100224
Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.7	108.7
77	34.4	14.6	54.6
79	30.5	10.6	50.6

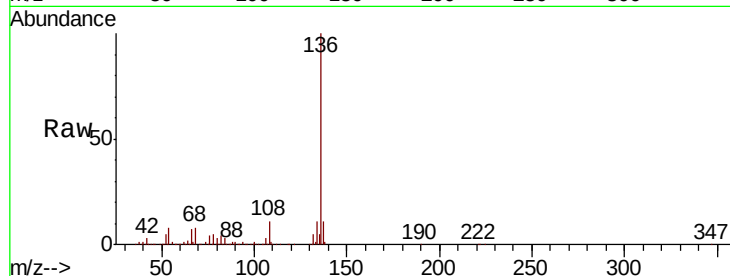




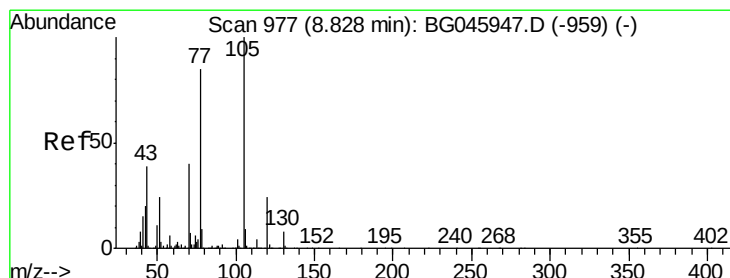
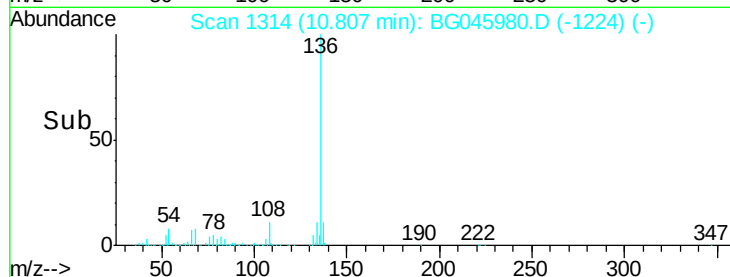
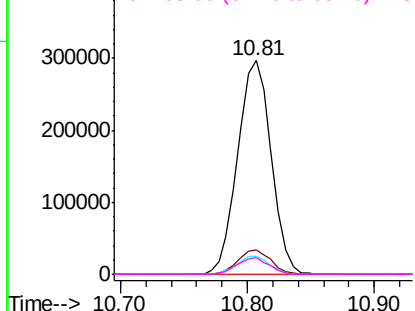
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	136	Resp:	543499
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	8.3	6.2	9.4
68	7.5	5.8	8.8

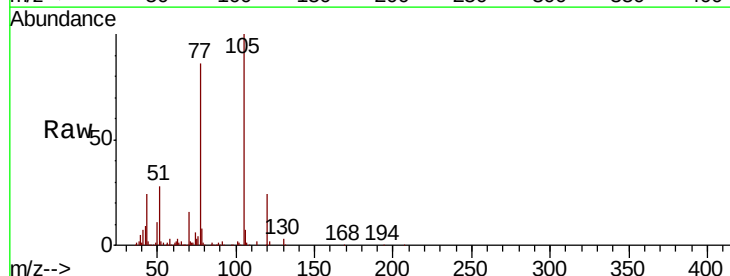


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

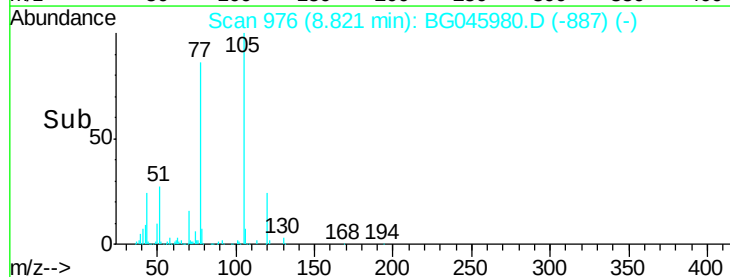
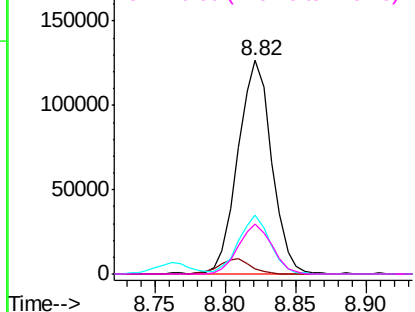


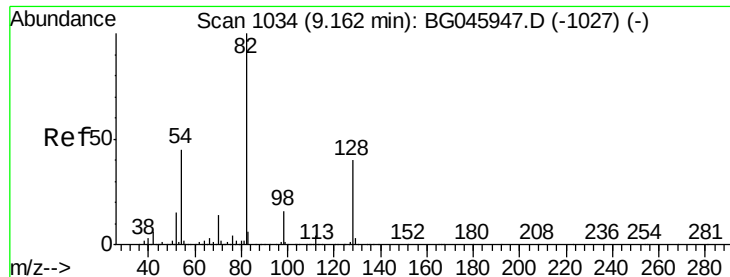
#22
Acetophenone
Concen: 14.632 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:	105	Resp:	212455
Ion	Ratio	Lower	Upper
105	100		
71	2.3	6.2	9.2#
51	27.5	19.7	29.5
120	23.5	19.2	28.8



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

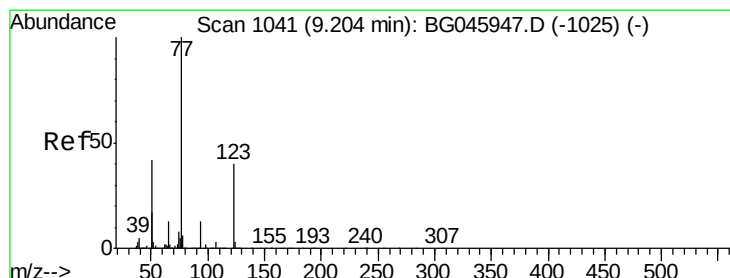
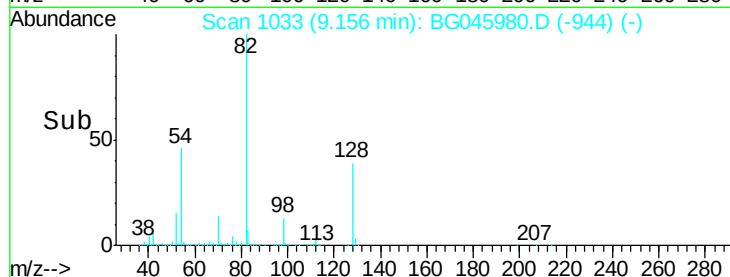
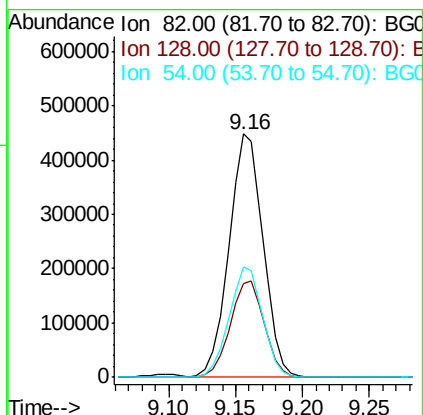
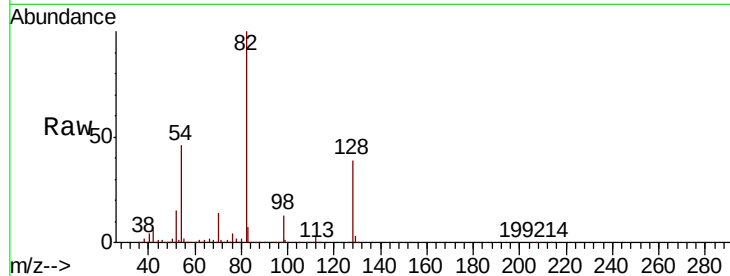




#23
 Nitrobenzene-d5
 Concen: 83.854 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

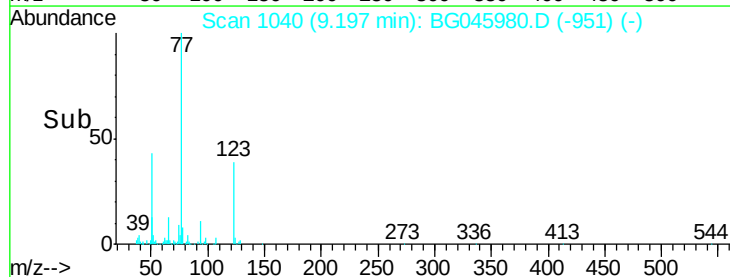
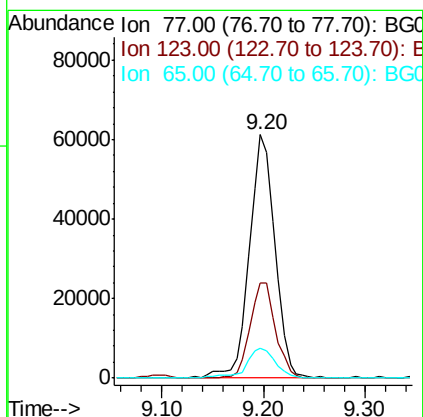
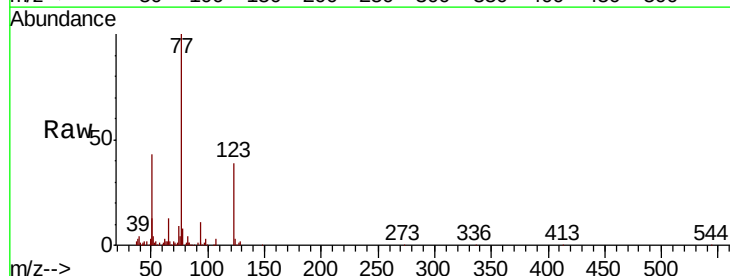
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

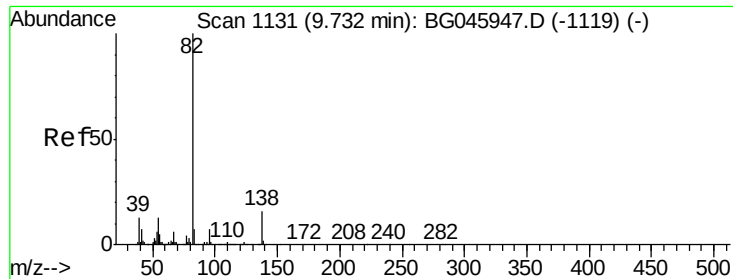
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.2	48.4
54	45.5	35.8	53.6



#24
 Nitrobenzene
 Concen: 10.283 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.9	32.7	49.1
65	12.5	10.2	15.4

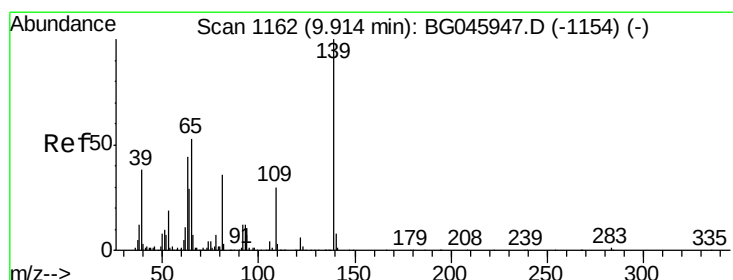
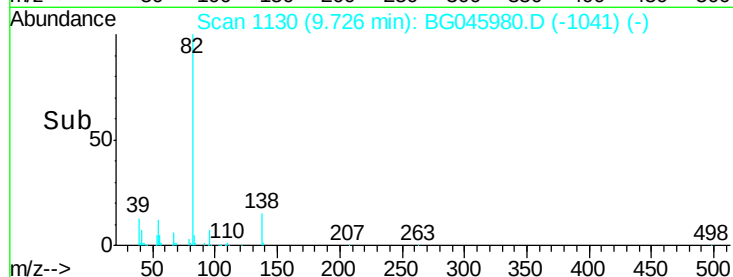
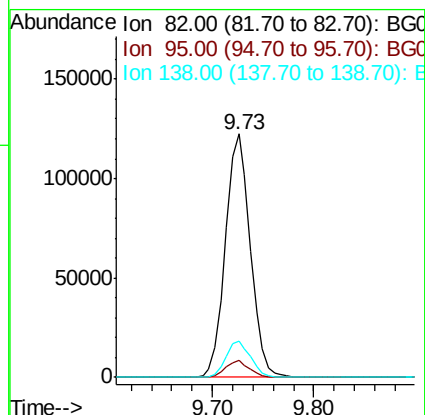
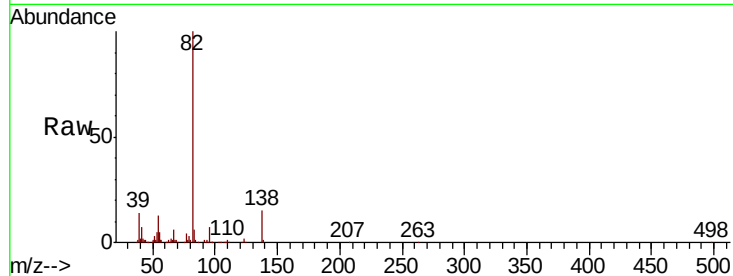




#25
Isophorone
Concen: 9.025 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

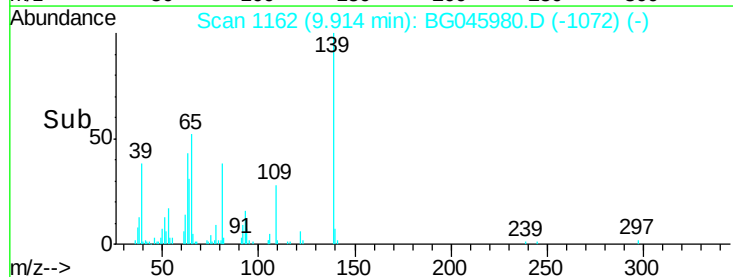
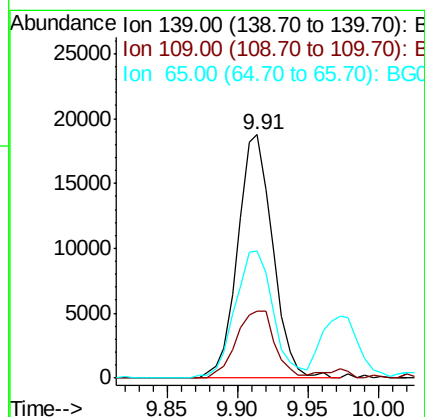
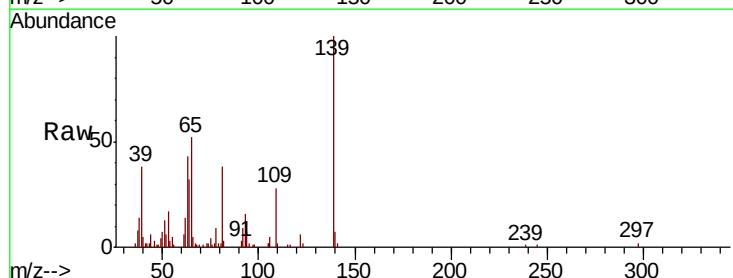
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

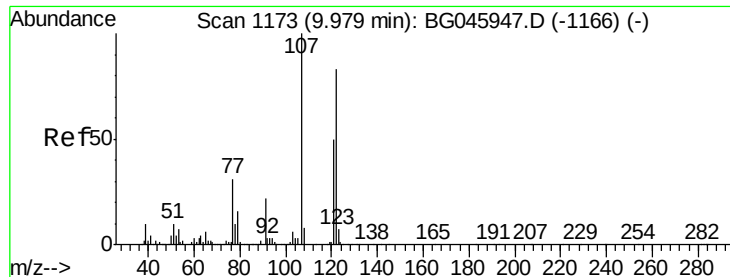
Tot Ion: 82 Resp: 208035
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 15.0 12.9 19.3



#26
2-Nitrophenol
Concen: 9.541 ng
RT: 9.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion: 139 Resp: 32410
Ion Ratio Lower Upper
139 100
109 27.7 24.6 37.0
65 52.3 42.6 64.0

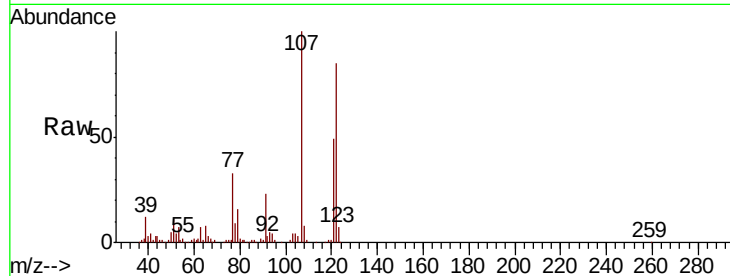




#27
2,4-Dimethylphenol
Concen: 9.502 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.5	95.6	143.4
121	57.7	47.7	71.5

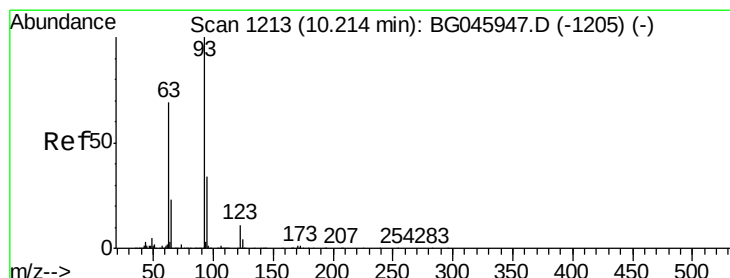
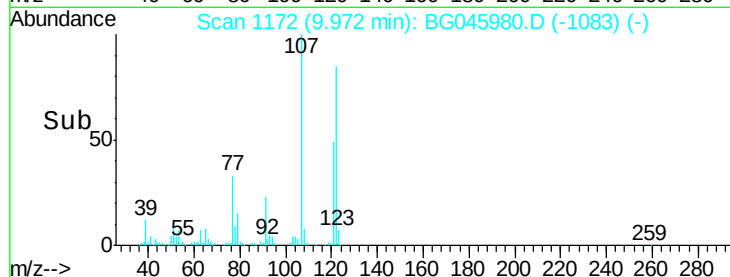
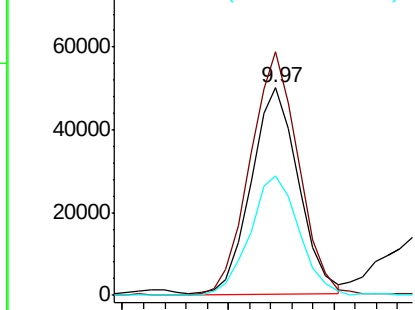


Abundance

Ion 122.00 (121.70 to 122.70): E

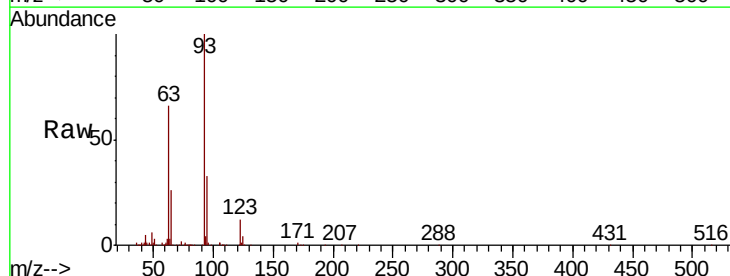
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 9.213 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	27.5	41.3
123	11.8	9.2	13.8

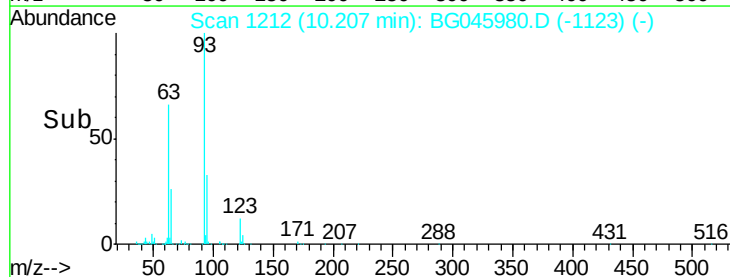
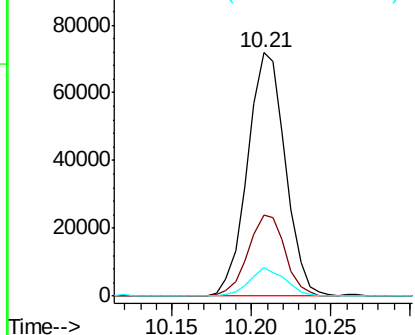


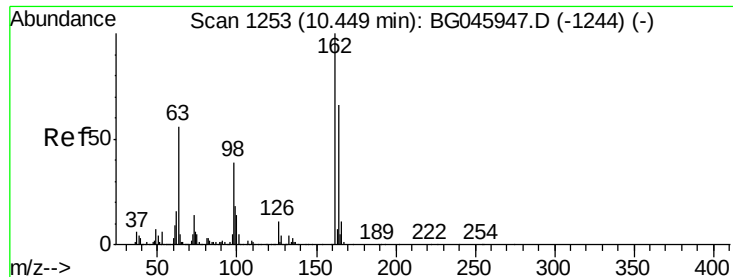
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

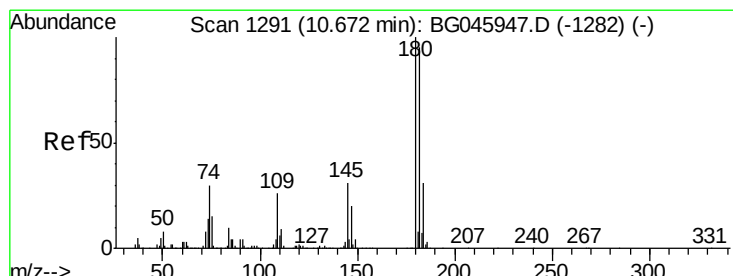
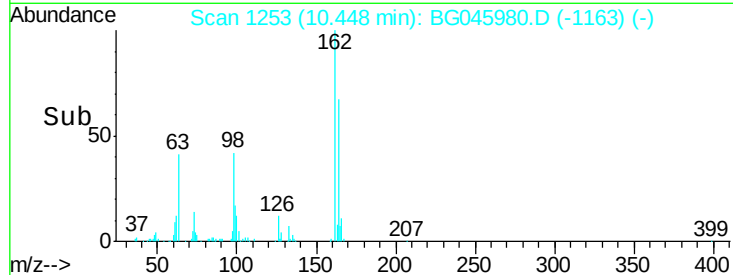
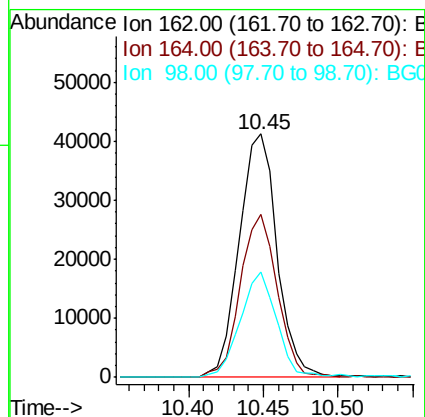
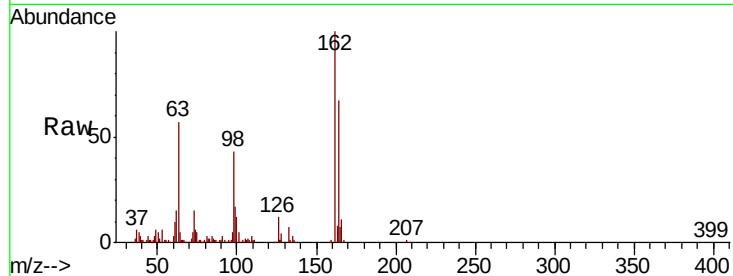




#29
 2,4-Dichlorophenol
 Concen: 8.532 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

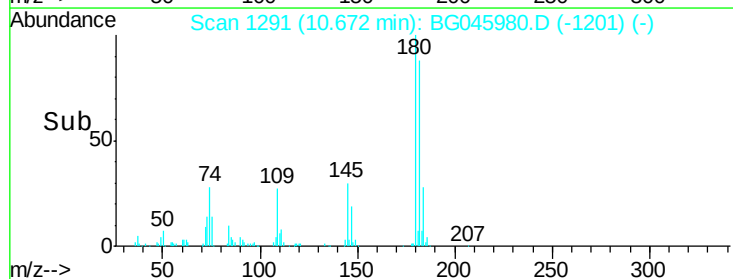
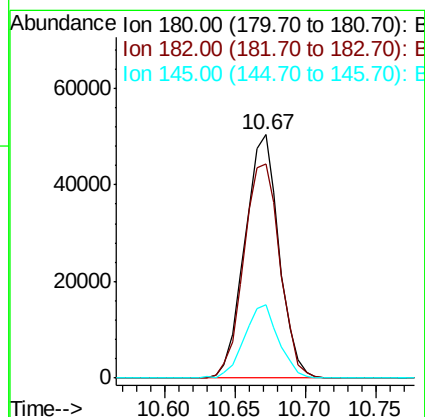
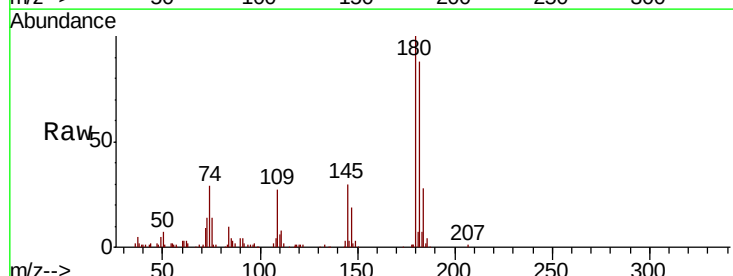
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

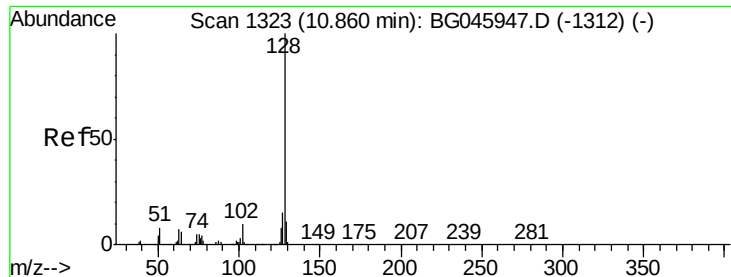
Tot Ion:162 Resp: 72471
 Ion Ratio Lower Upper
 162 100
 164 66.8 46.0 86.0
 98 43.1 19.2 59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 9.102 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion:180 Resp: 85659
 Ion Ratio Lower Upper
 180 100
 182 87.8 76.3 114.5
 145 30.0 24.8 37.2

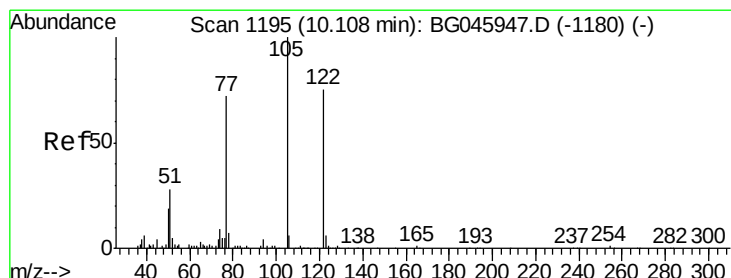
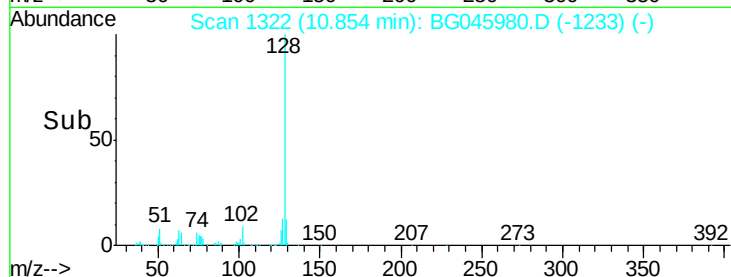
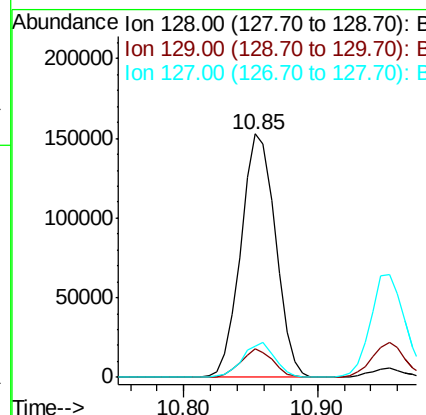
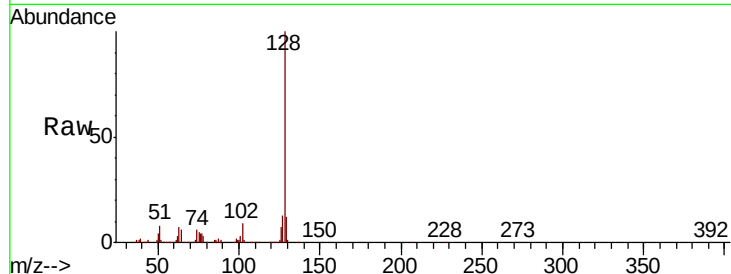




#31
Naphthalene
Concen: 9.399 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

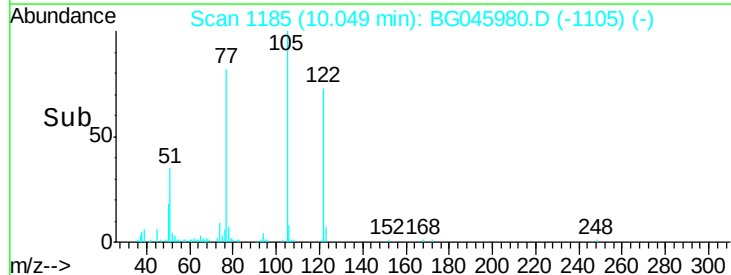
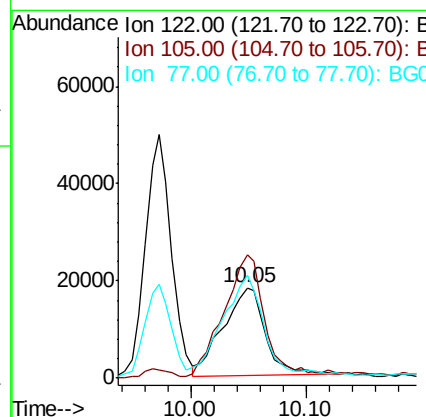
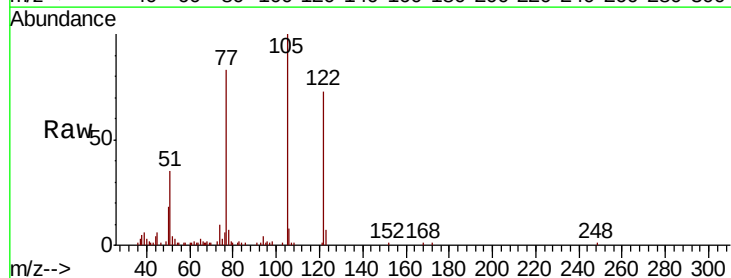
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

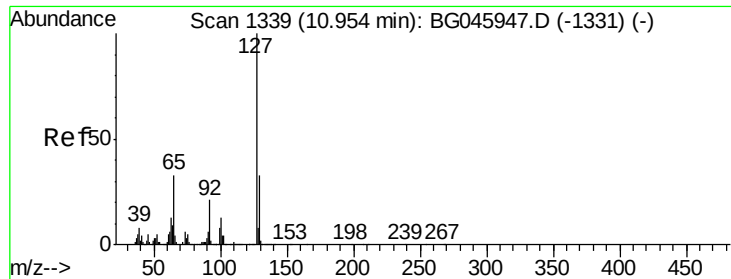
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.0	11.8	17.6



#32
Benzoic acid
Concen: 10.274 ng
RT: 10.05 min Scan# 1185
Delta R.T. -0.06 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	136.9	110.8	150.8
77	113.8	76.4	116.4

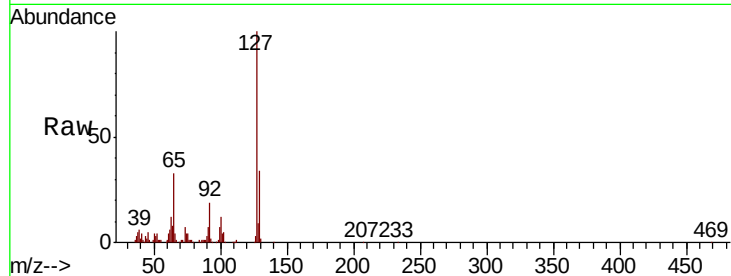




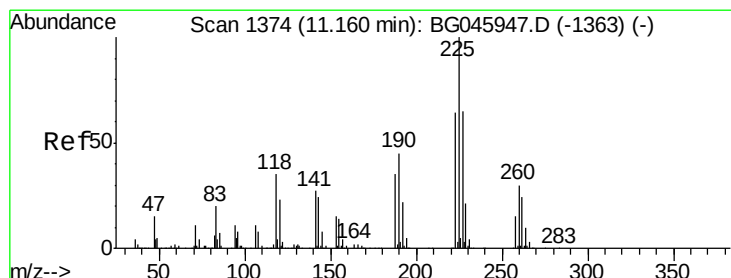
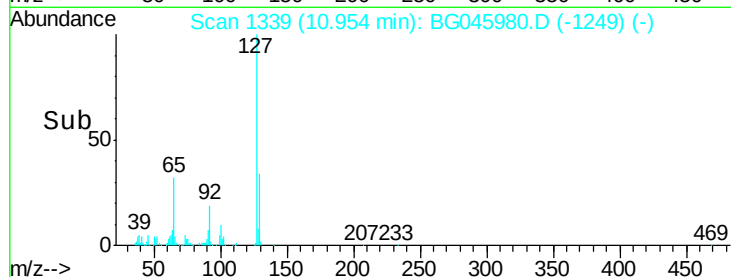
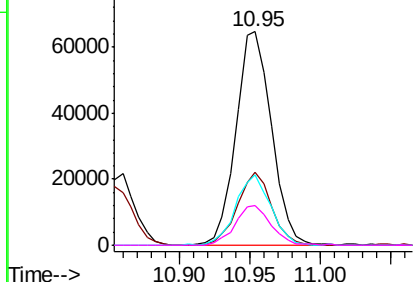
#33
4-Chloroaniline
Concen: 8.765 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:127	Resp:	114121
Ion Ratio	Lower	Upper
127	100	
129	34.4	26.6 39.8
65	32.8	26.8 40.2
92	18.5	17.0 25.4

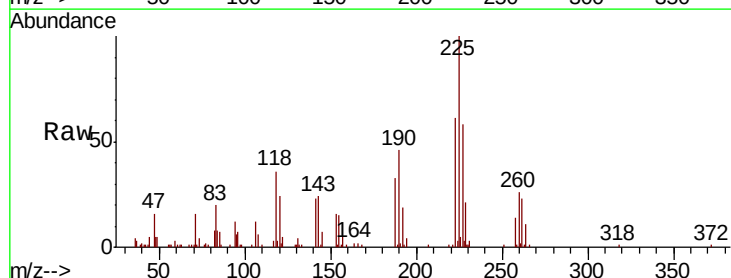


Abundance Ion 127.00 (126.70 to 127.70): E
100000 Ion 129.00 (128.70 to 129.70): E
80000 Ion 65.00 (64.70 to 65.70): BGC
60000 Ion 92.00 (91.70 to 92.70): BGC
40000
20000
0

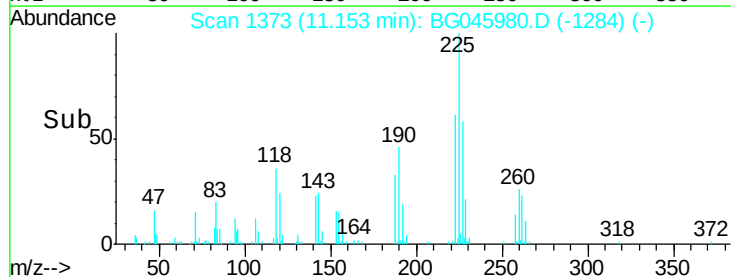
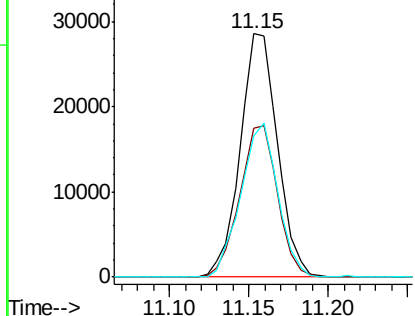


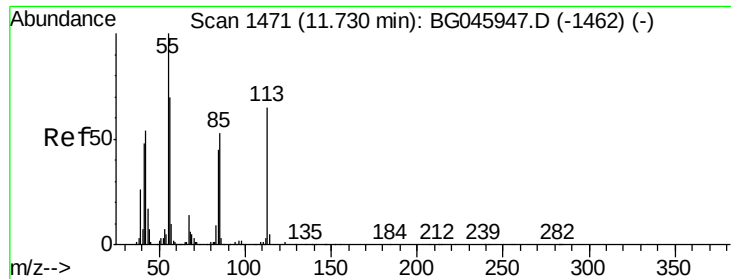
#34
Hexachlorobutadiene
Concen: 8.511 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:225	Resp:	46769
Ion Ratio	Lower	Upper
225	100	
223	61.3	51.2 76.8
227	57.9	52.3 78.5



Abundance Ion 225.00 (224.70 to 225.70): E
40000 Ion 223.00 (222.70 to 223.70): E
30000 Ion 227.00 (226.70 to 227.70): E
20000
10000
0





#35

Caprolactam

Concen: 8.119 ng

RT: 11.69 min Scan# 1464

Delta R.T. -0.04 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

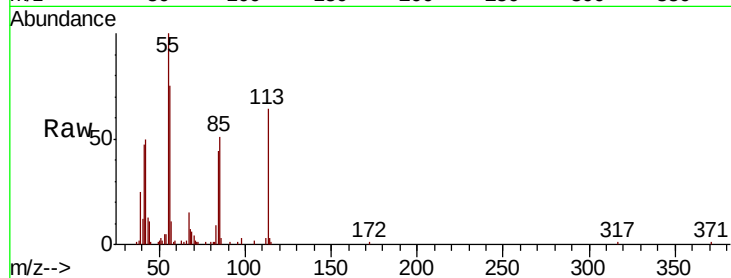
Tot Ion:113 Resp: 26183

Ion Ratio Lower Upper

113 100

55 156.3 141.6 181.6

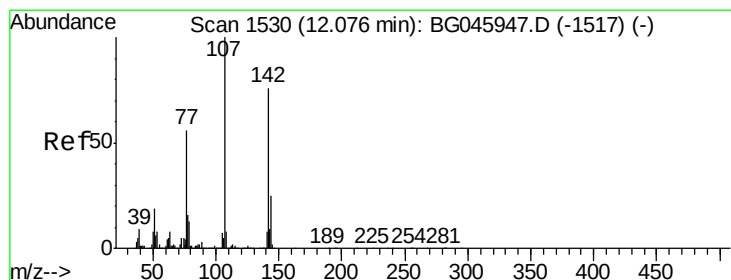
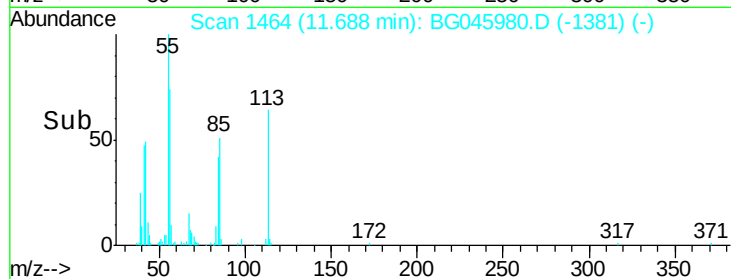
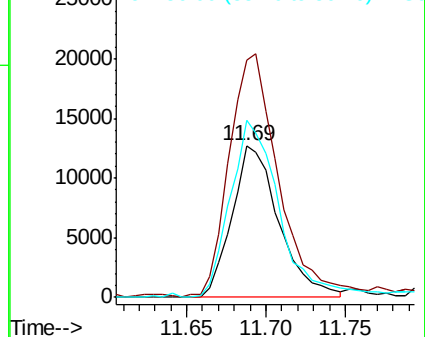
56 116.8 89.6 129.6



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 8.757 ng

RT: 12.07 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

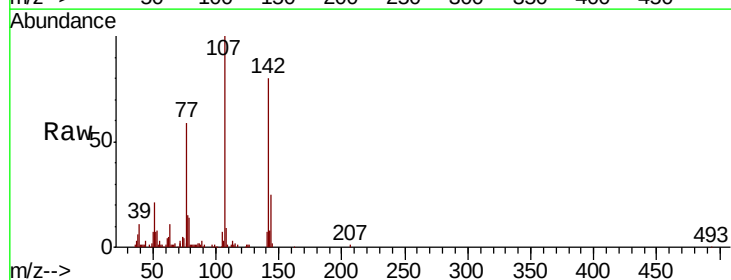
Tgt Ion:107 Resp: 84720

Ion Ratio Lower Upper

107 100

144 24.6 20.0 30.0

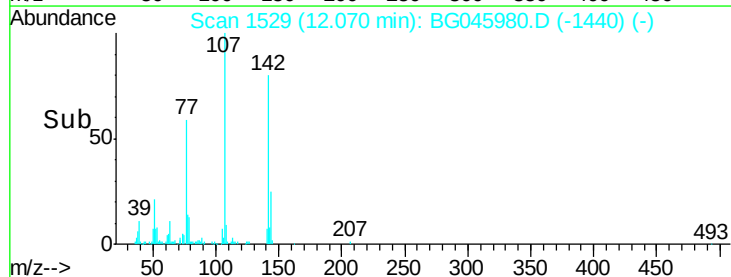
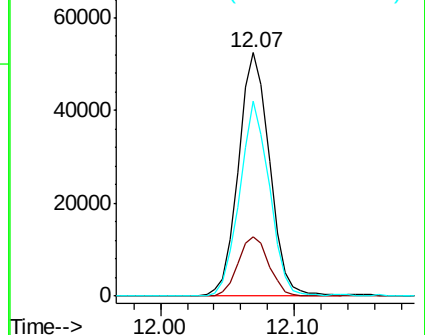
142 80.0 61.1 91.7

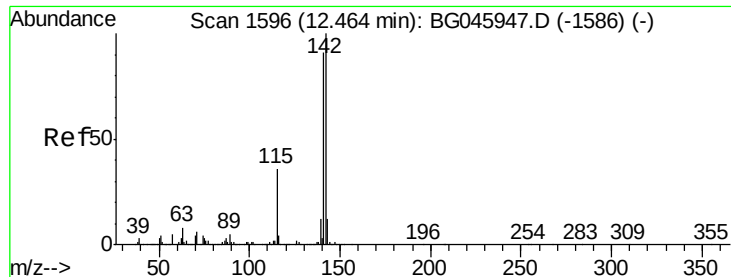


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

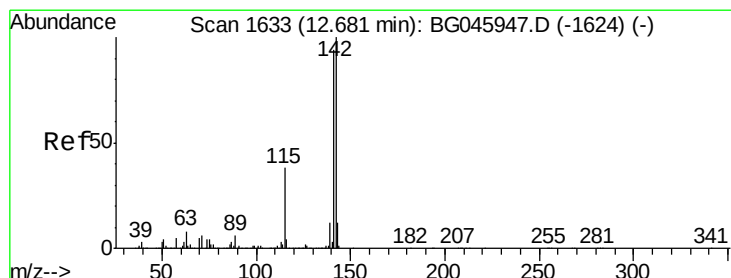
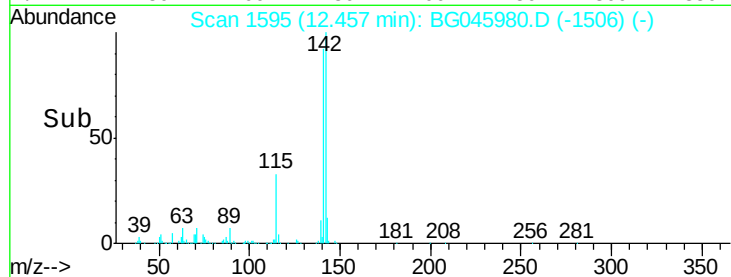
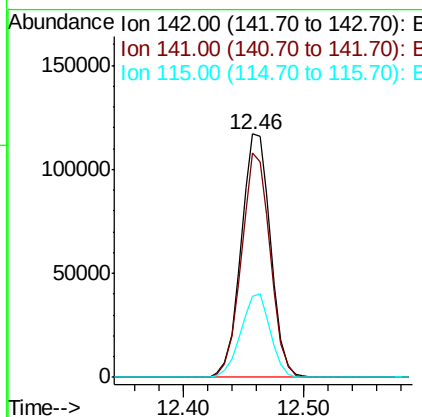
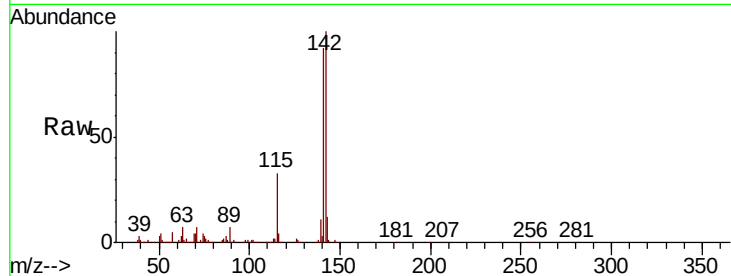




#37
 2-Methylnaphthalene
 Concen: 9.567 ng
 RT: 12.46 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

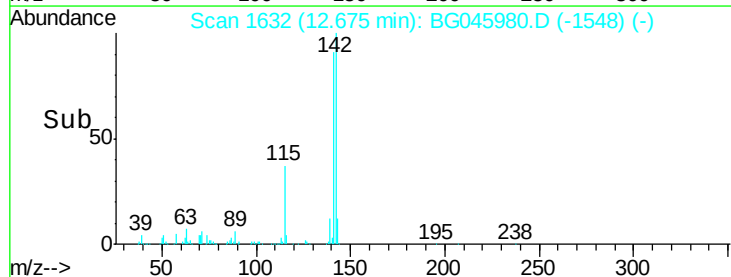
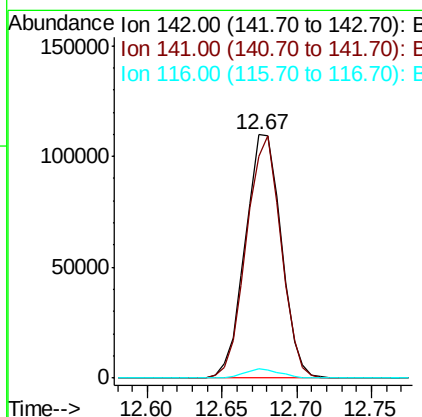
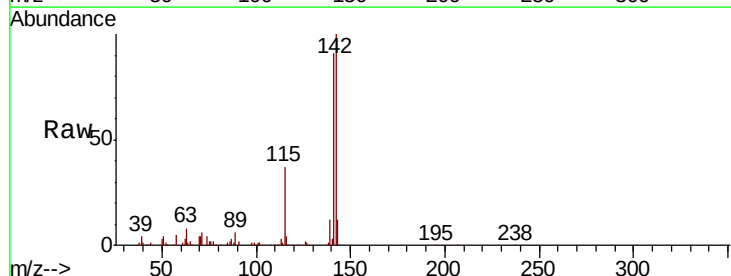
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

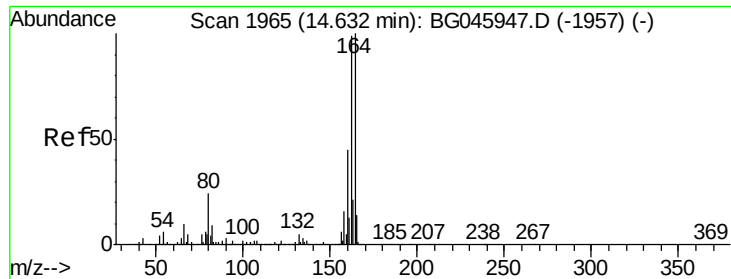
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.0	109.6
115	33.5	28.8	43.2



#38
 1-Methylnaphthalene
 Concen: 9.375 ng
 RT: 12.67 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	75.2	112.8
116	4.0	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

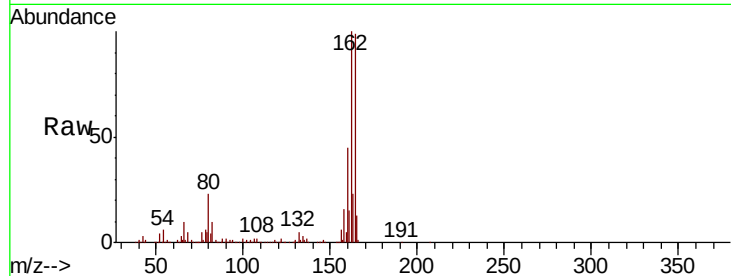
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:164 Resp: 322615

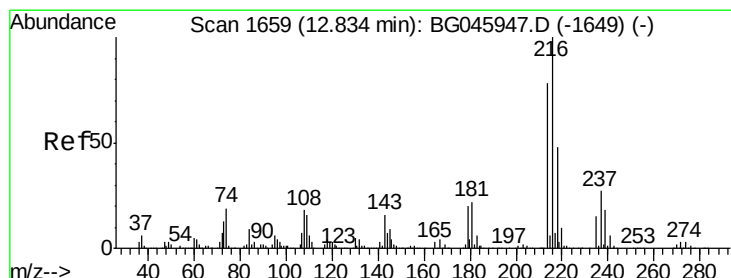
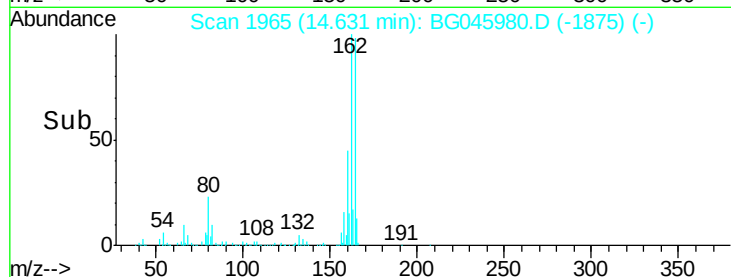
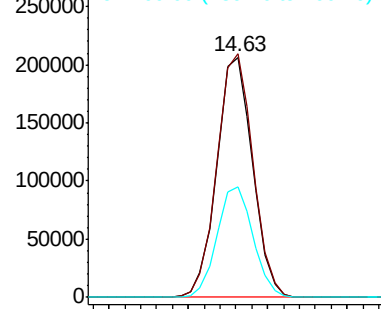
Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.3	118.9
160	46.1	35.7	53.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 15.292 ng

RT: 12.83 min Scan# 1658

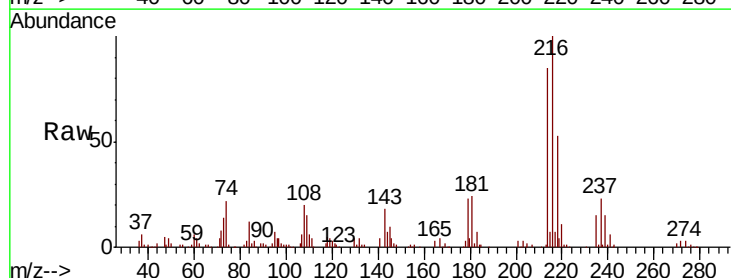
Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion:216 Resp: 139070

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.4
179	21.6	17.0	25.6
108	20.5	17.3	25.9

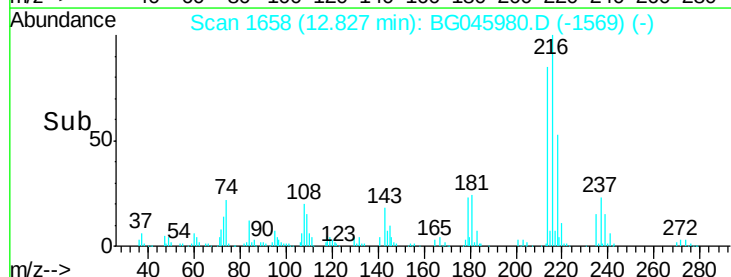
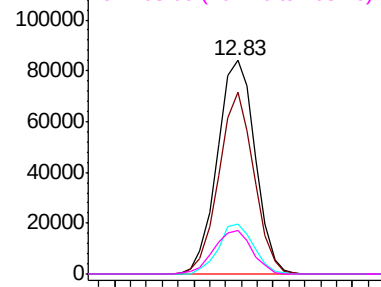


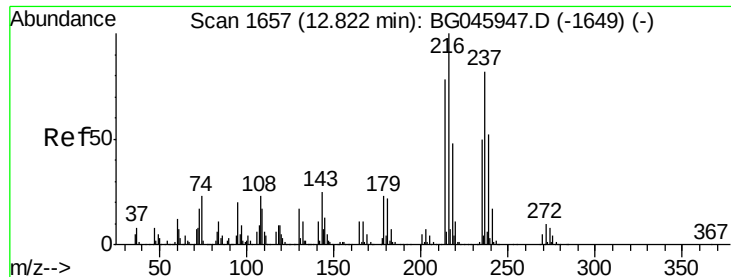
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 8.835 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

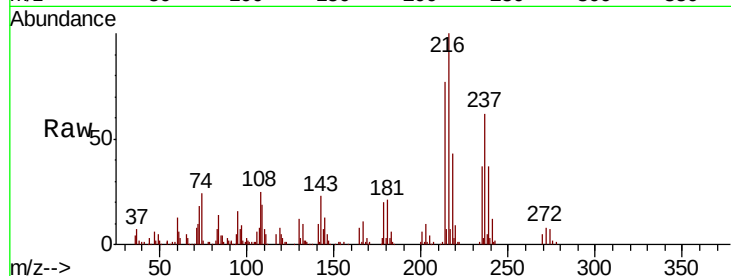
Tot Ion:237 Resp: 47674

Ion Ratio Lower Upper

237 100

235 60.1 41.5 81.5

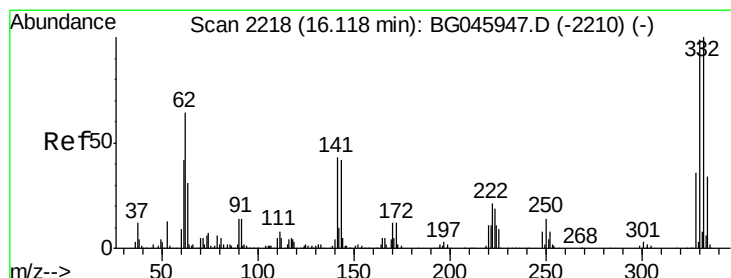
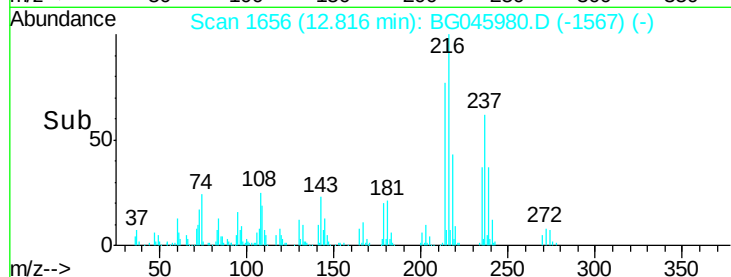
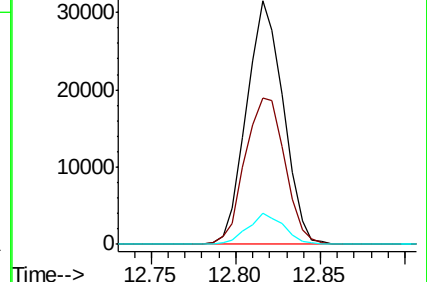
272 12.9 0.0 31.7



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: 99.504 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

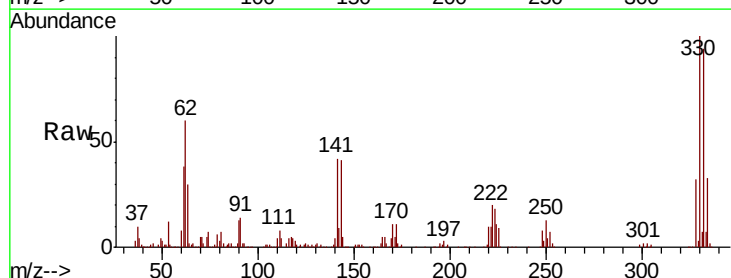
Tgt Ion:330 Resp: 297934

Ion Ratio Lower Upper

330 100

332 96.7 78.3 117.5

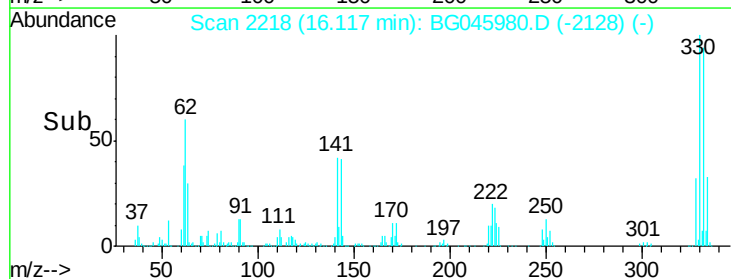
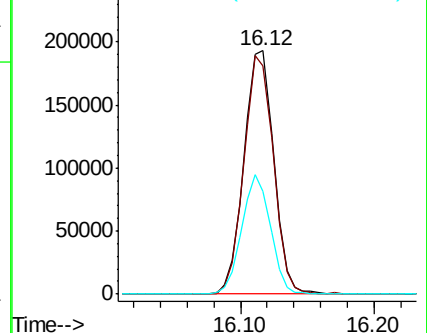
141 47.3 36.6 54.8

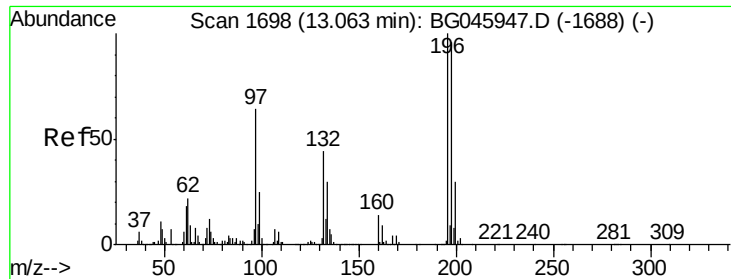


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

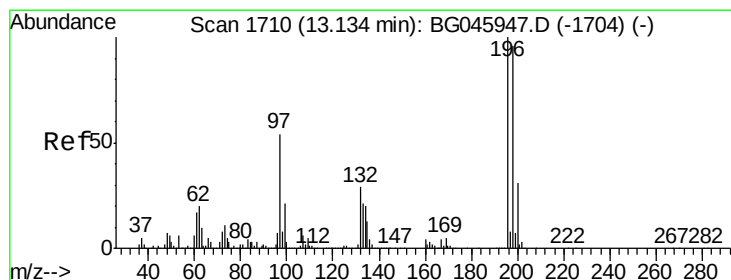
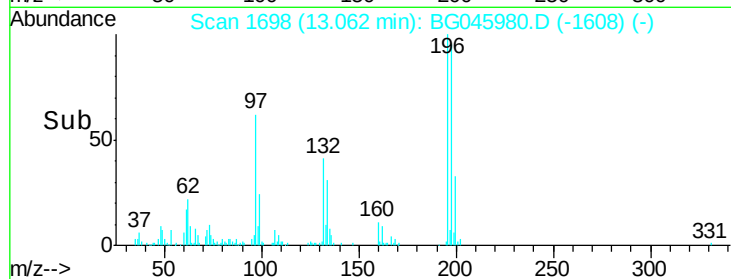
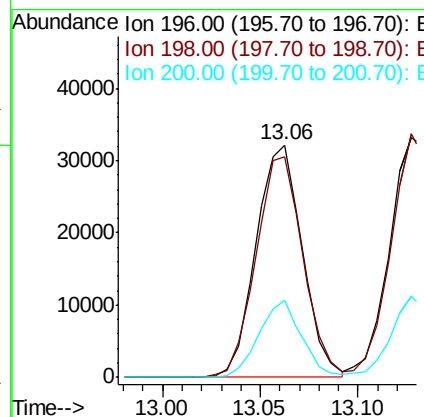
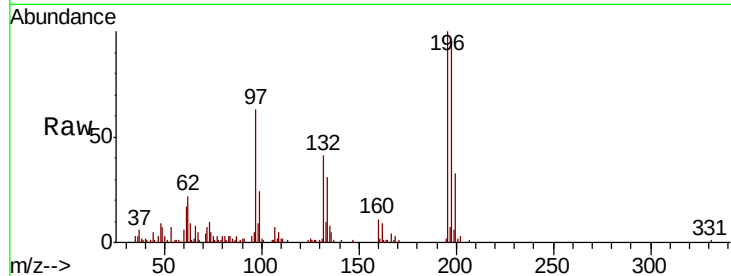




#43
2,4,6-Trichlorophenol
Concen: 8.578 ng
RT: 13.06 min Scan# 1698
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

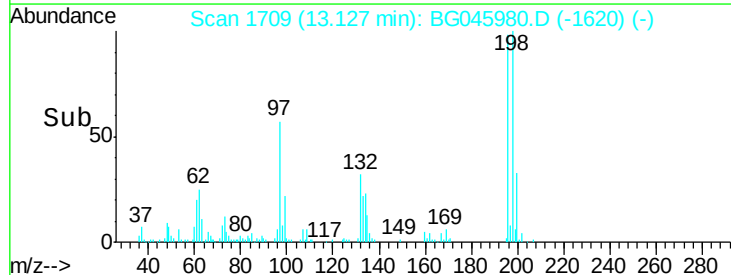
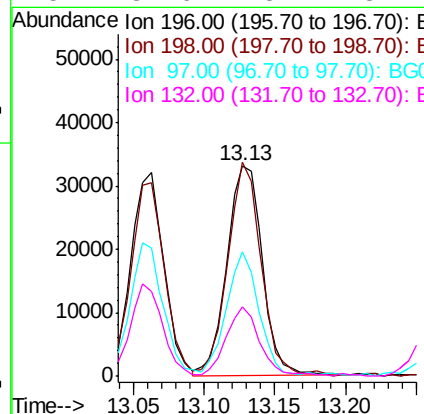
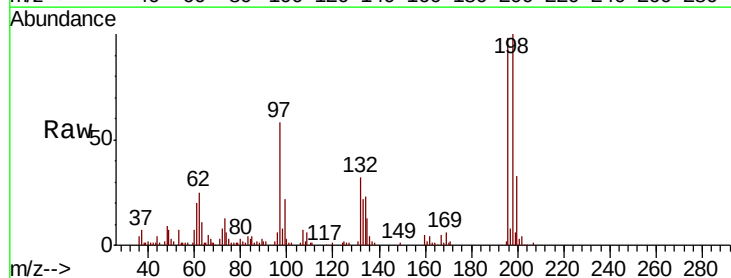
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

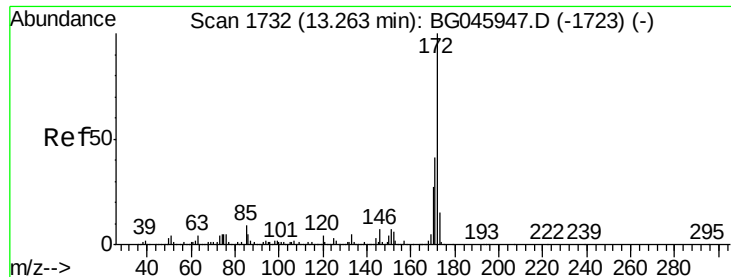
Tot Ion:196 Resp: 52756
Ion Ratio Lower Upper
196 100
198 94.8 76.7 115.1
200 33.2 24.3 36.5



#44
2,4,5-Trichlorophenol
Concen: 8.277 ng
RT: 13.13 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:196 Resp: 57560
Ion Ratio Lower Upper
196 100
198 101.6 77.0 115.6
97 59.0 44.3 66.5
132 32.6 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 74.176 ng

RT: 13.26 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

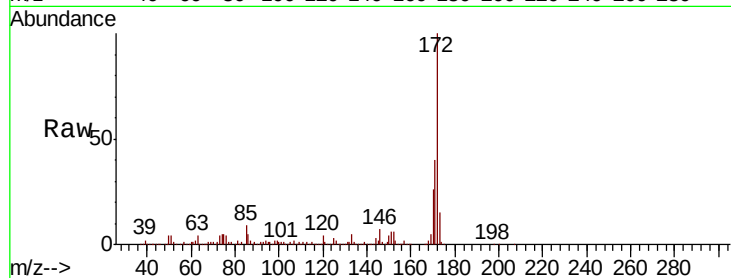
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:172 Resp: 1534174

Ion	Ratio	Lower	Upper
172	100		
171	39.8	32.9	49.3
170	26.1	21.8	32.6

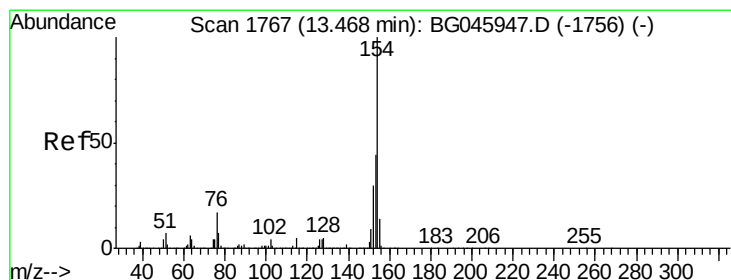
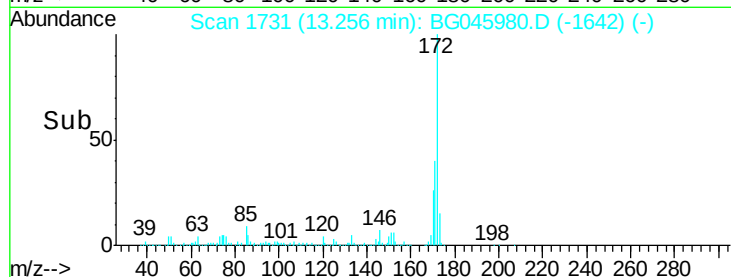
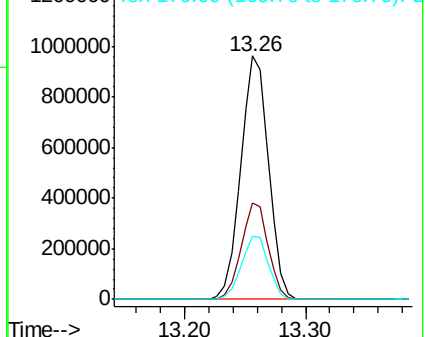


Abundance

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: 16.107 ng

RT: 13.47 min Scan# 1767

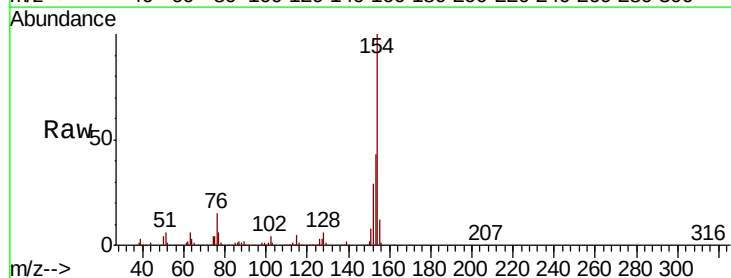
Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion:154 Resp: 390907

Ion	Ratio	Lower	Upper
154	100		
153	42.7	23.6	63.6
76	15.0	0.0	36.9

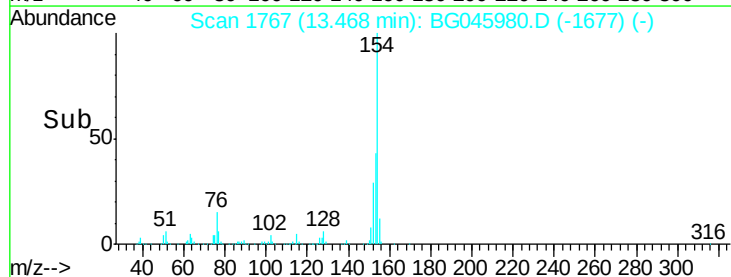
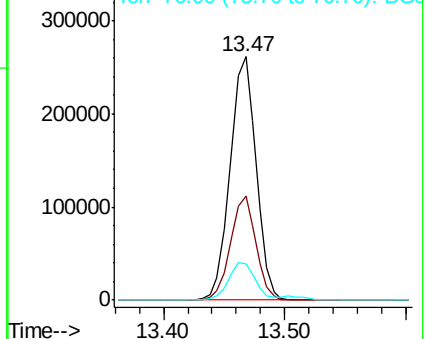


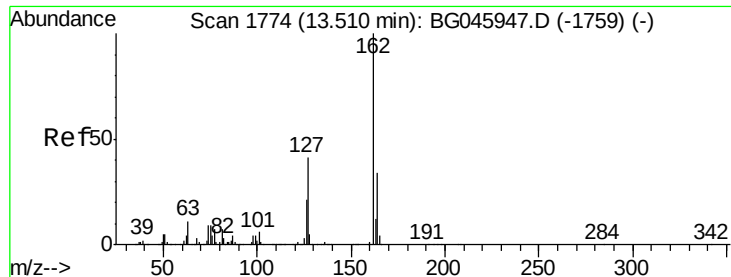
Abundance

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

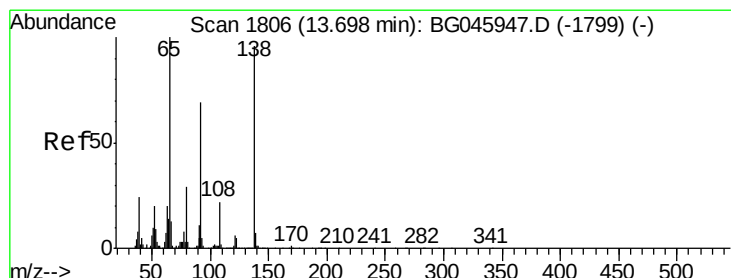
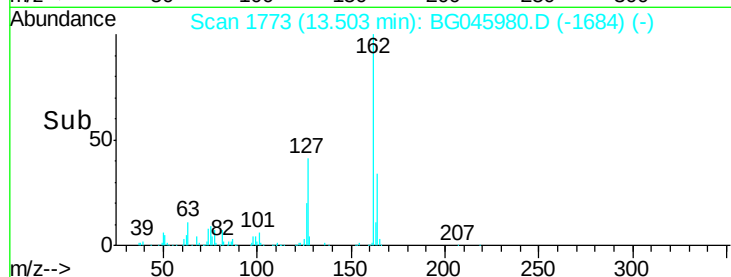
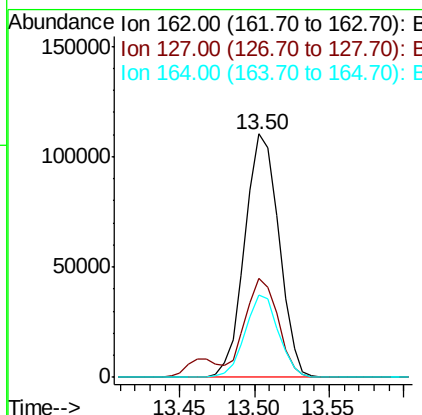
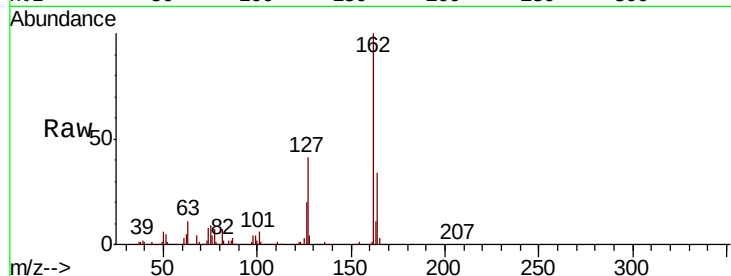




#47
2-Chloronaphthalene
Concen: 9.113 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

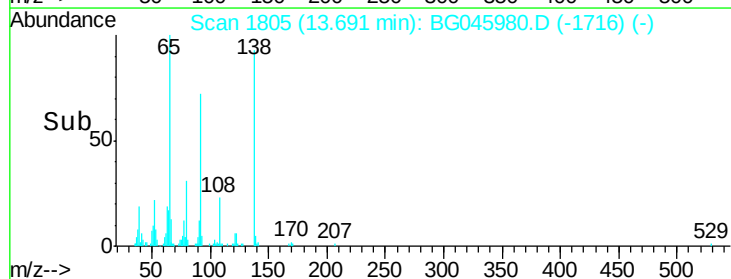
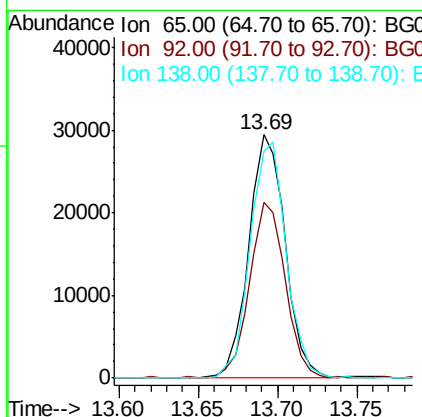
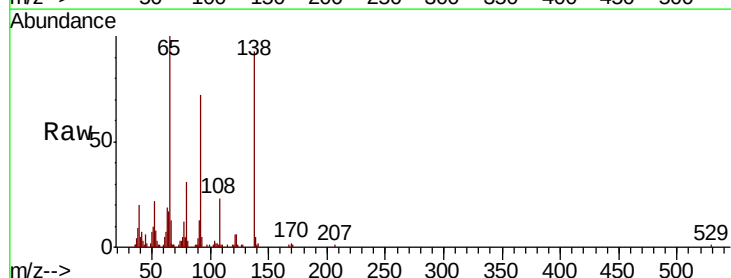
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

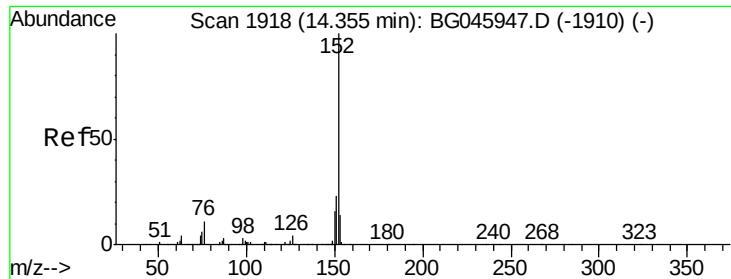
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.5	48.7
164	33.8	27.2	40.8



#48
2-Nitroaniline
Concen: 10.489 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.4	55.4	83.0
138	93.1	77.0	115.4





#49

Acenaphthylene

Concen: 9.577 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

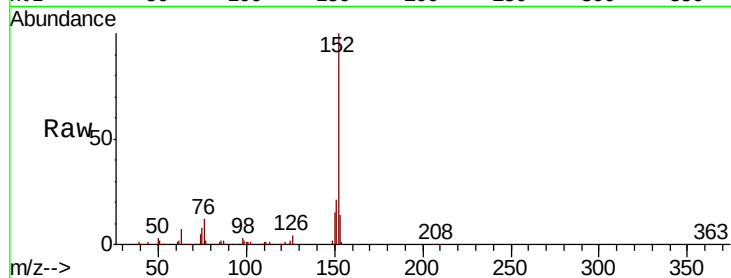
Tot Ion:152 Resp: 295893

Ion Ratio Lower Upper

152 100

151 21.4 18.1 27.1

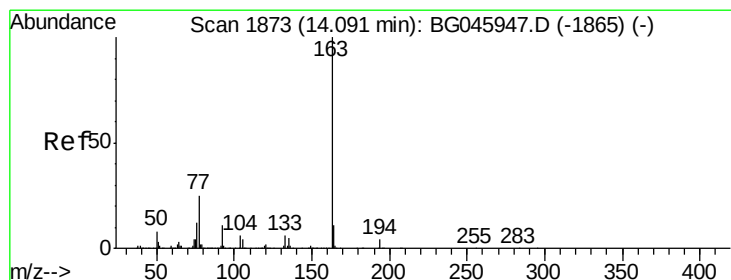
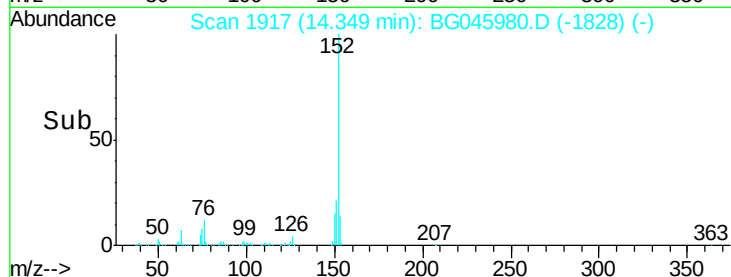
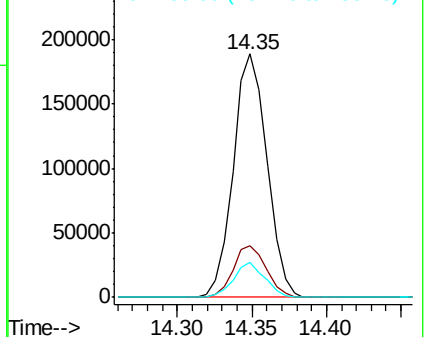
153 14.4 11.5 17.3



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: 8.959 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

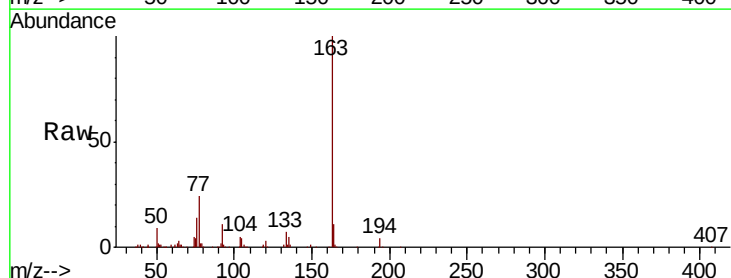
Tgt Ion:163 Resp: 216907

Ion Ratio Lower Upper

163 100

194 3.7 3.6 5.4

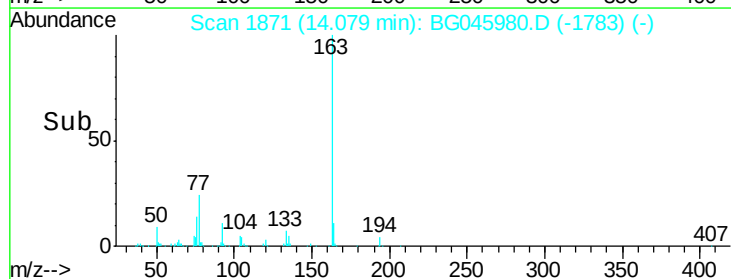
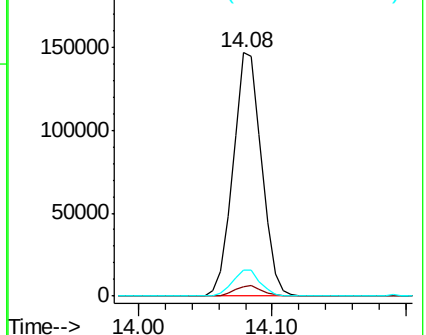
164 10.6 8.9 13.3

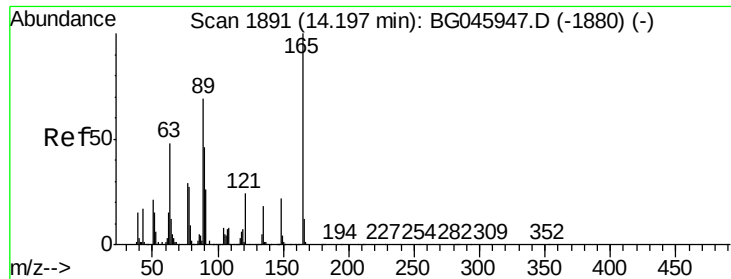


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

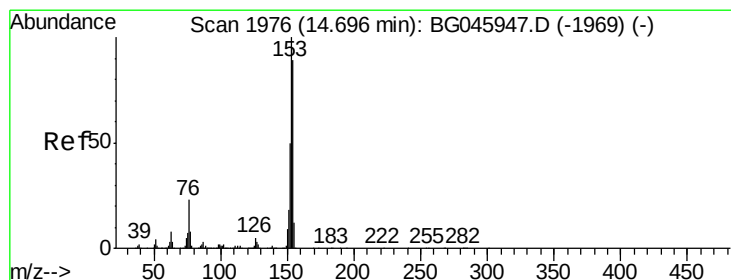
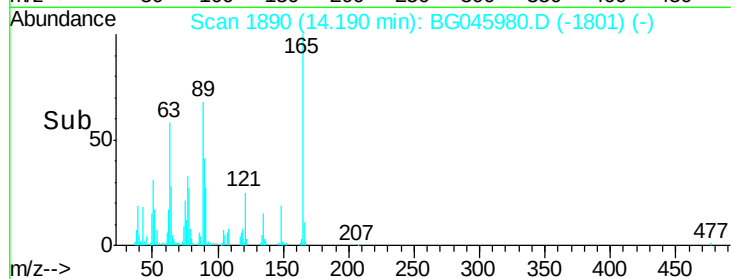
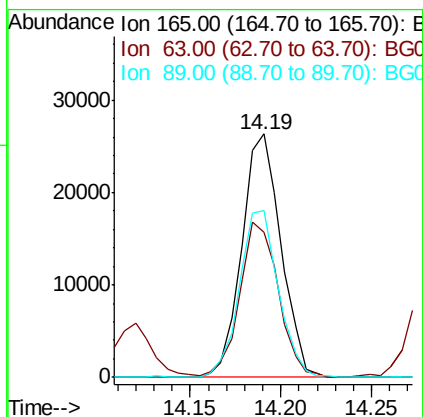
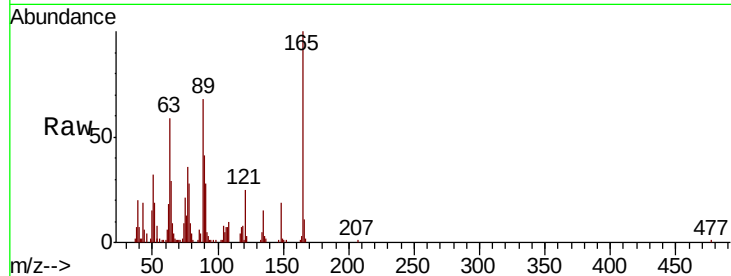




#51
 2,6-Dinitrotoluene
 Concen: 10.492 ng
 RT: 14.19 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

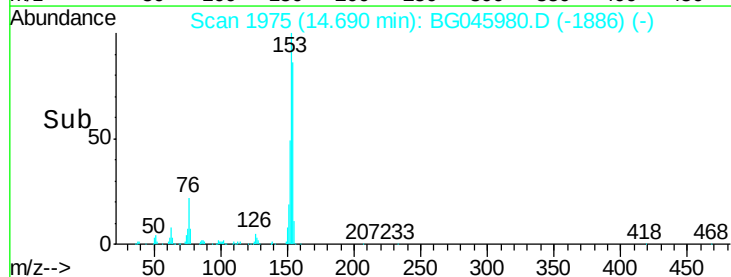
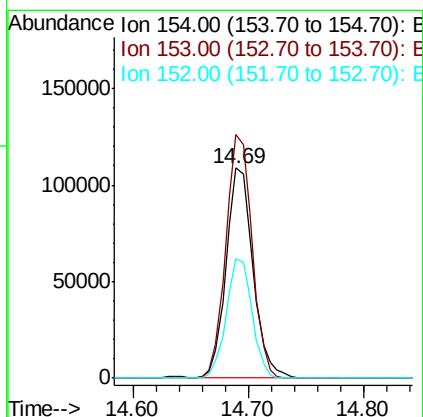
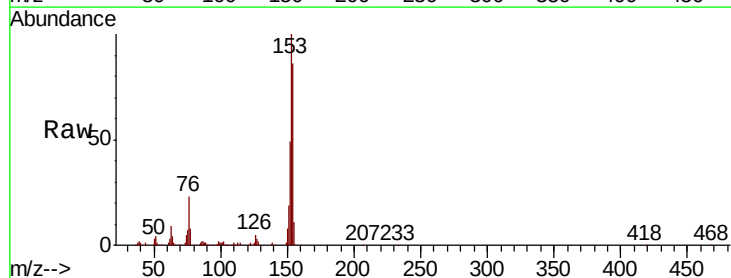
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

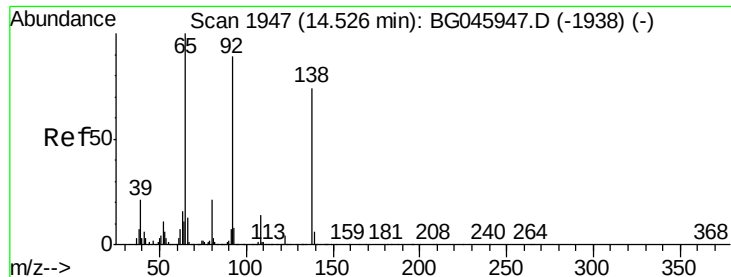
Tot Ion:165 Resp: 39416
 Ion Ratio Lower Upper
 165 100
 63 59.3 51.0 76.4
 89 68.3 55.7 83.5



#52
 Acenaphthene
 Concen: 9.022 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion:154 Resp: 175820
 Ion Ratio Lower Upper
 154 100
 153 115.9 89.7 134.5
 152 56.8 44.7 67.1





#53

3-Nitroaniline

Concen: 9.371 ng

RT: 14.51 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

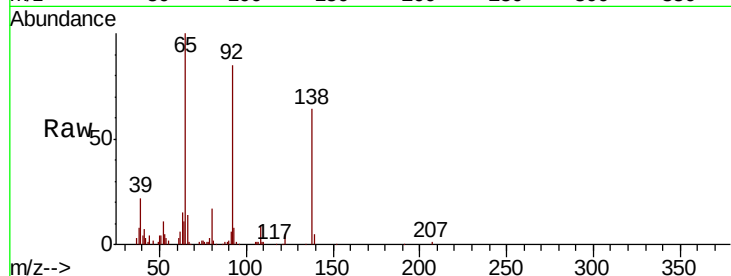
Tot Ion:138 Resp: 43625

Ion Ratio Lower Upper

138 100

108 13.7 15.4 23.2#

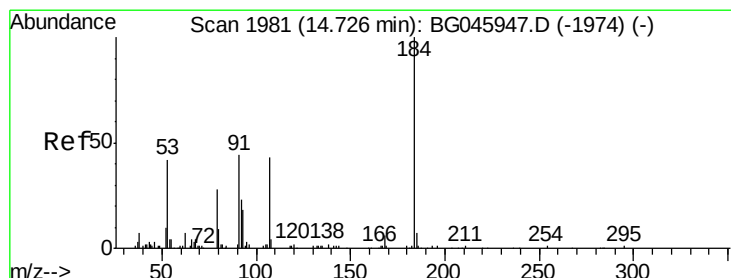
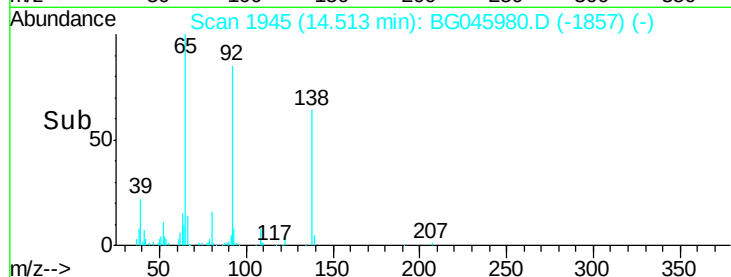
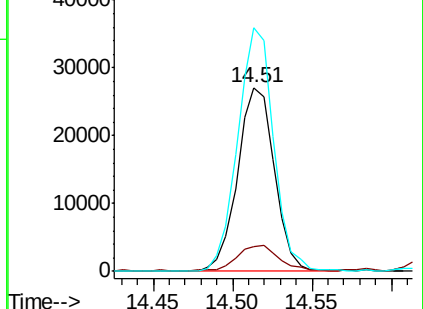
92 132.6 95.9 143.9



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 10.185 ng

RT: 14.72 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

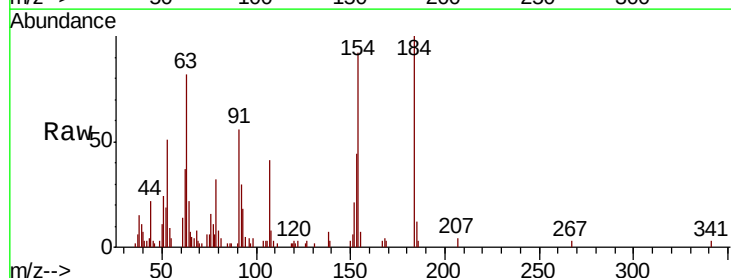
Tgt Ion:184 Resp: 13497

Ion Ratio Lower Upper

184 100

63 82.2 46.0 69.0#

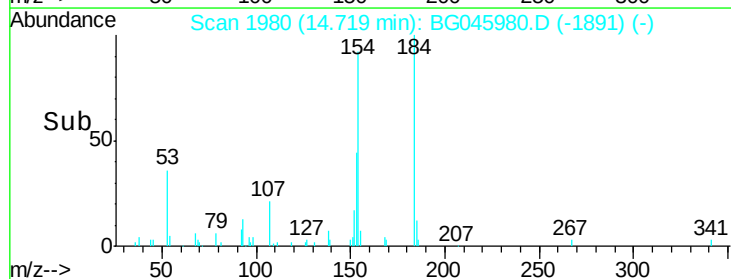
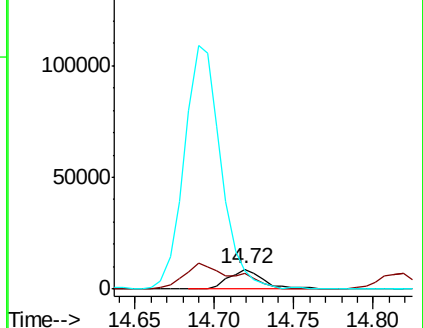
154 91.6 58.2 87.2#

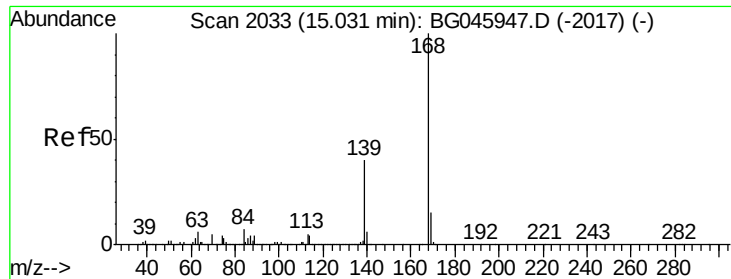


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 9.449 ng

RT: 15.02 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

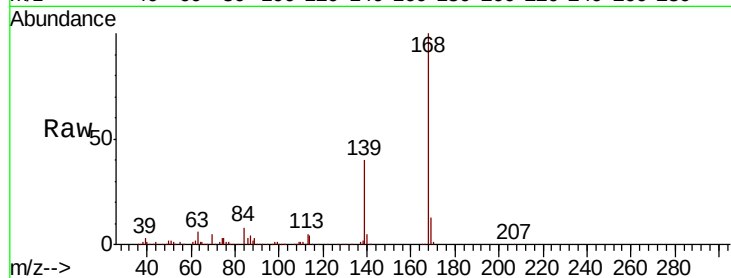
Tot Ion:168 Resp: 269910

Ion Ratio Lower Upper

168 100

139 39.7 32.2 48.2

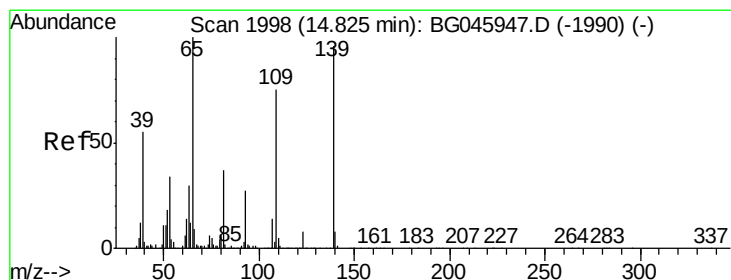
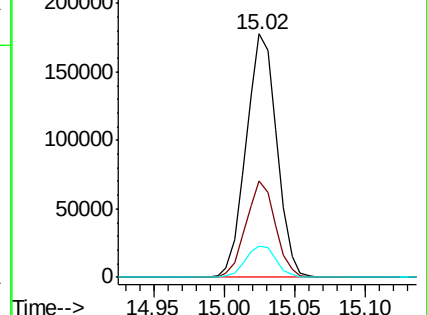
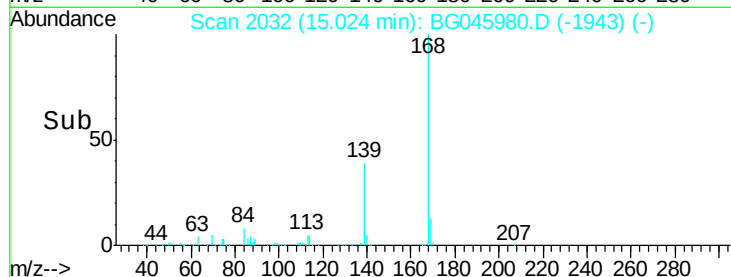
169 12.9 11.8 17.8



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: 8.873 ng

RT: 14.81 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

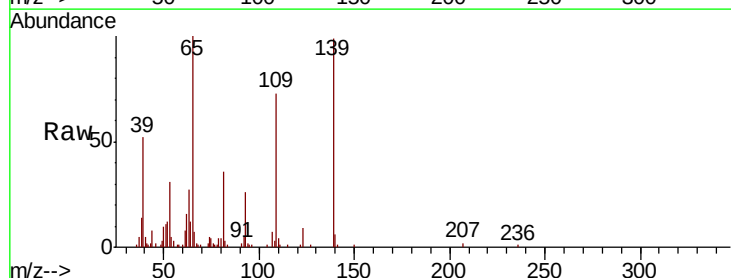
Tgt Ion:139 Resp: 34999

Ion Ratio Lower Upper

139 100

109 73.9 58.5 98.5

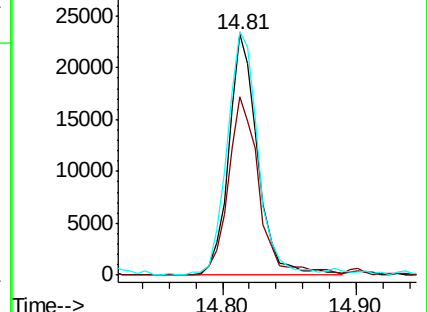
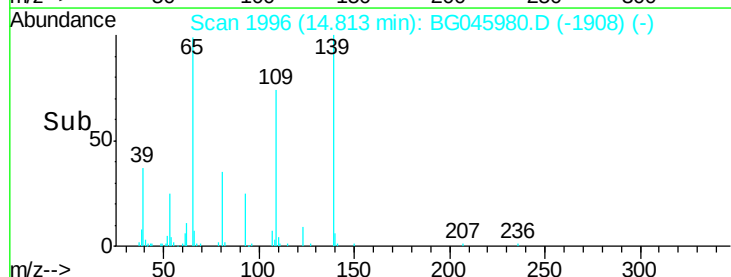
65 101.1 84.7 124.7

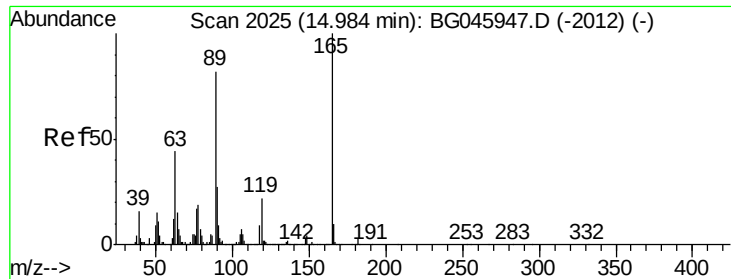


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

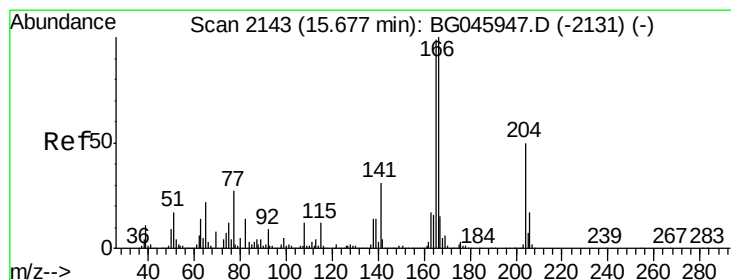
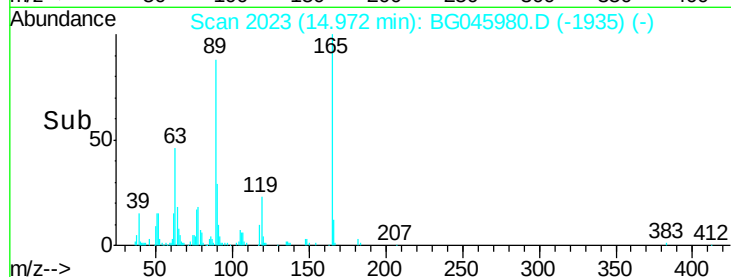
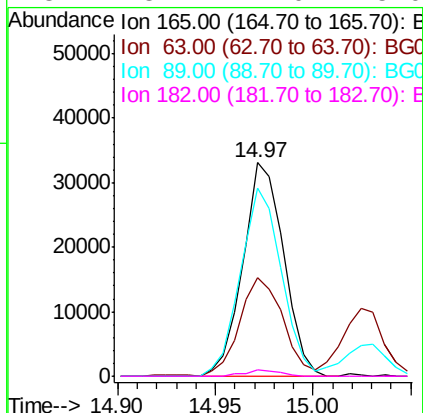
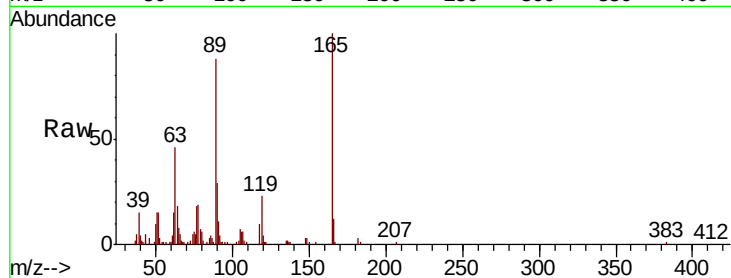




#57
 2,4-Dinitrotoluene
 Concen: 10.302 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

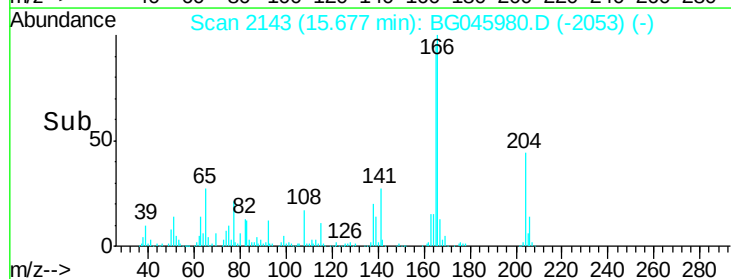
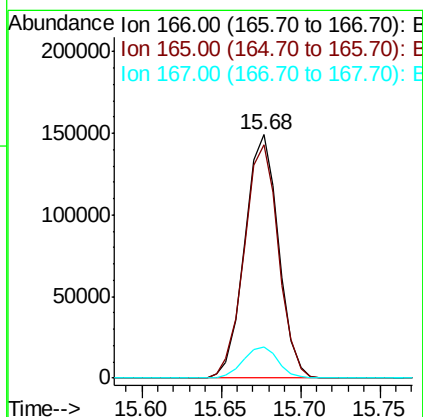
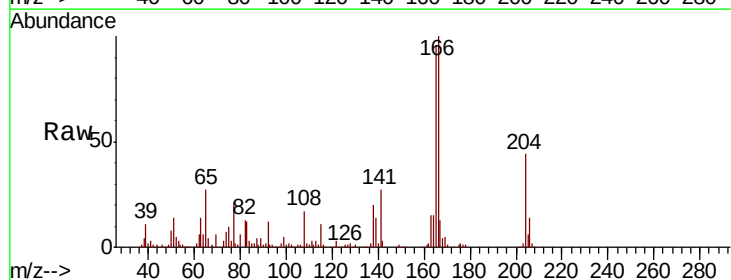
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

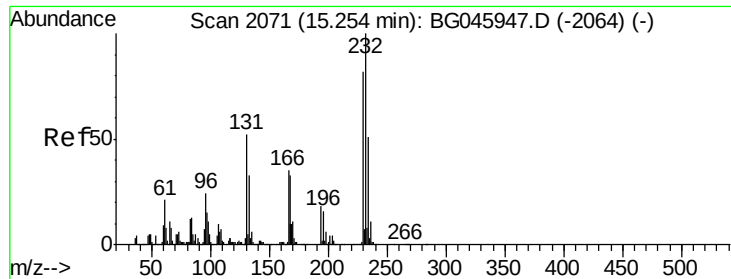
Tot Ion:165	Resp: 47820
Ion Ratio	Lower Upper
165 100	
63 46.2	35.4 53.0
89 87.9	65.4 98.2
182 3.1	2.0 3.0#



#58
 Fluorene
 Concen: 9.387 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt	Ion:166	Resp:	219979
Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.9	118.3
167	12.8	12.1	18.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 9.032 ng

RT: 15.25 min Scan# 2071

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:232 Resp: 48496

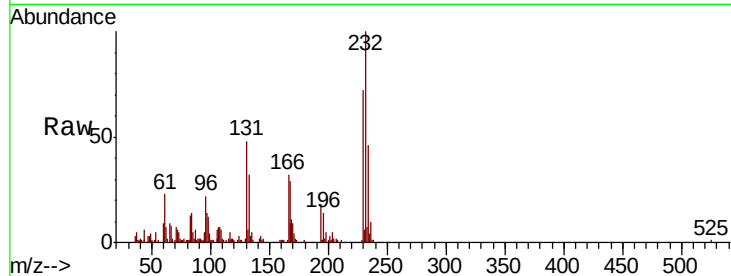
Ion Ratio Lower Upper

232 100

131 49.9 35.8 53.6

130 2.8 2.5 3.7

166 32.1 21.8 32.8

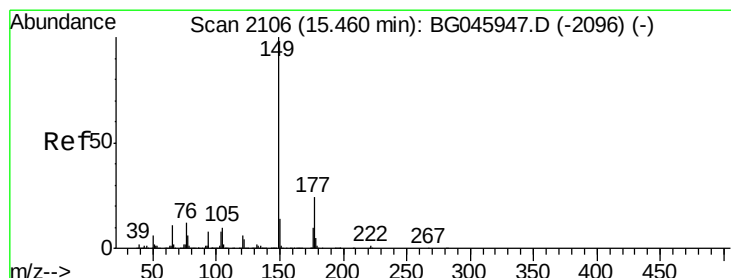
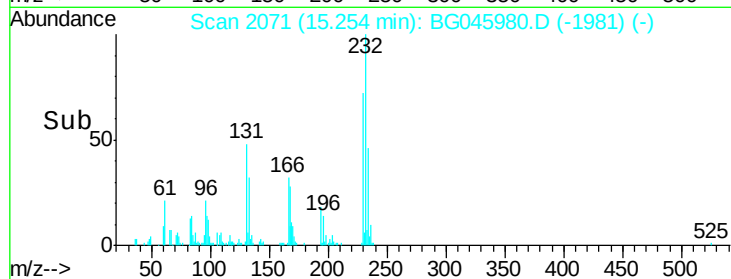
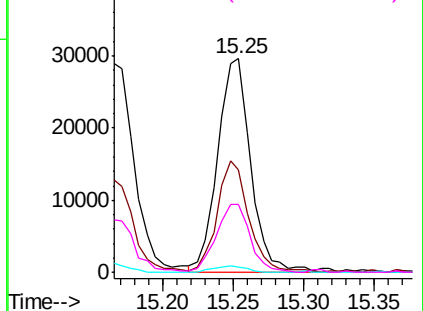


Abundance Ion 232.00 (231.70 to 232.70): E

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: 8.755 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

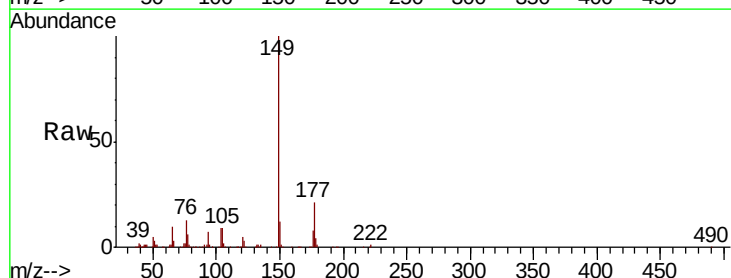
Tgt Ion:149 Resp: 222313

Ion Ratio Lower Upper

149 100

177 21.1 19.0 28.4

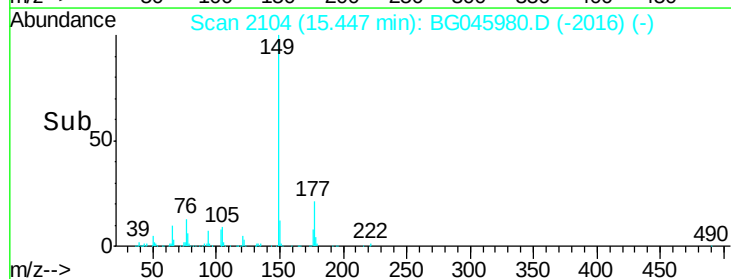
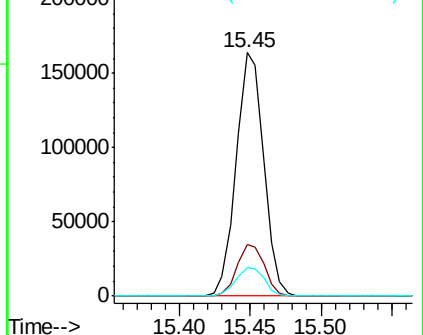
150 12.0 11.0 16.4

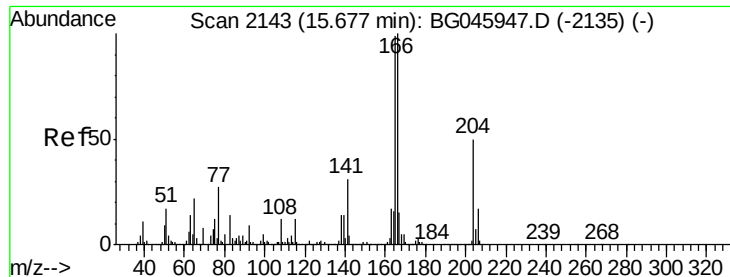


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

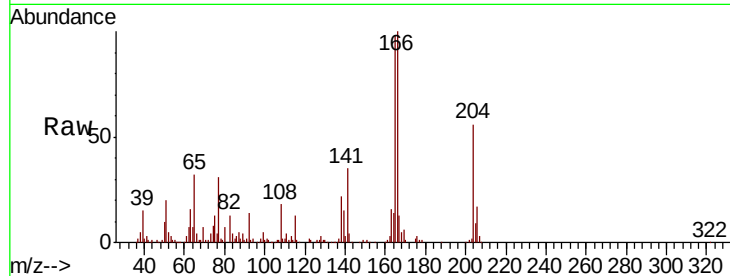




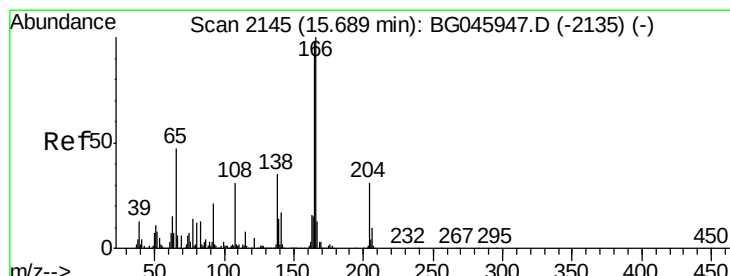
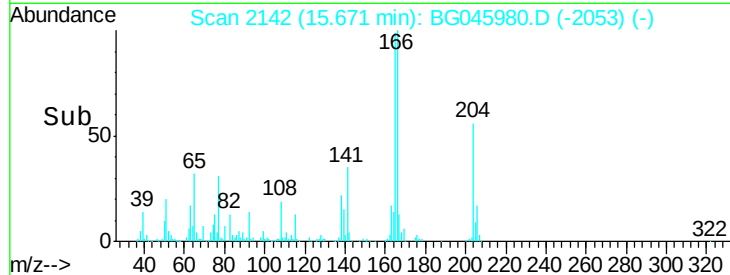
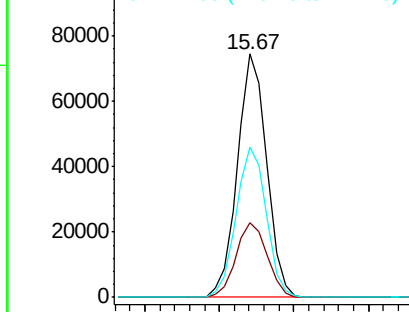
#61
 4-Chlorophenyl-phenylether
 Concen: 8.699 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:204 Resp: 101419
 Ion Ratio Lower Upper
 204 100
 206 30.4 27.1 40.7
 141 61.8 49.8 74.8

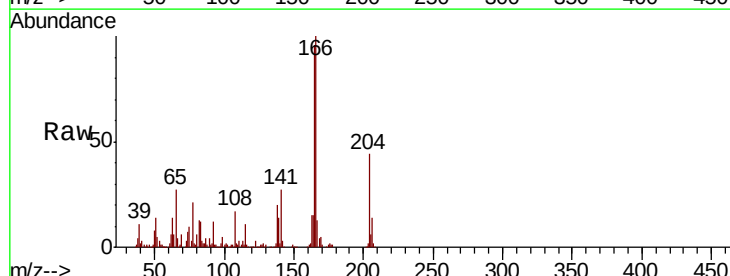


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

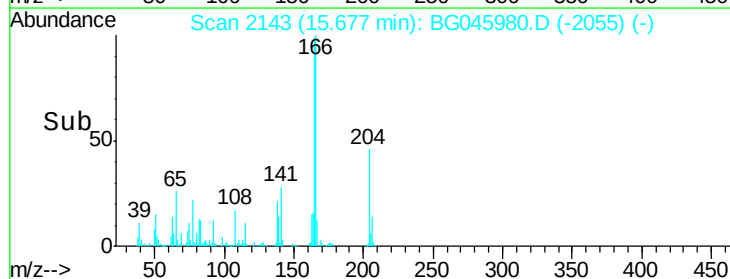
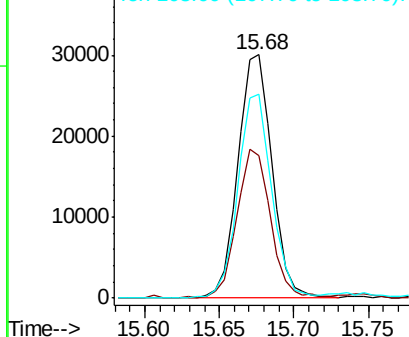


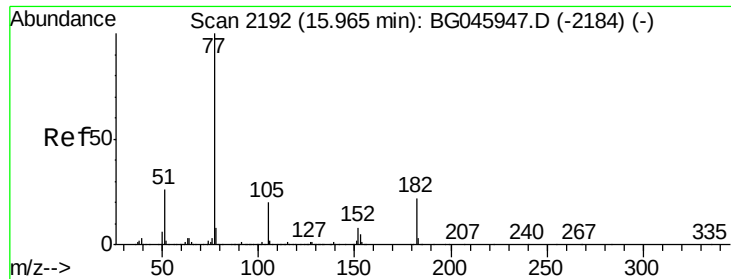
#62
 4-Nitroaniline
 Concen: 9.510 ng
 RT: 15.68 min Scan# 2143
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion:138 Resp: 47590
 Ion Ratio Lower Upper
 138 100
 92 58.4 40.3 80.3
 108 83.6 68.0 108.0



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: 9.478 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 258306

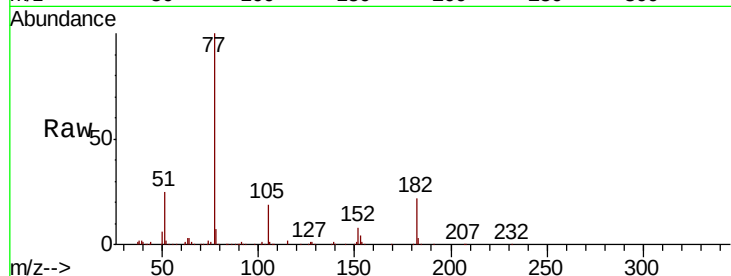
Ion Ratio Lower Upper

77 100

182 22.0 2.4 42.4

105 19.0 0.3 40.3

51 25.3 6.3 46.3

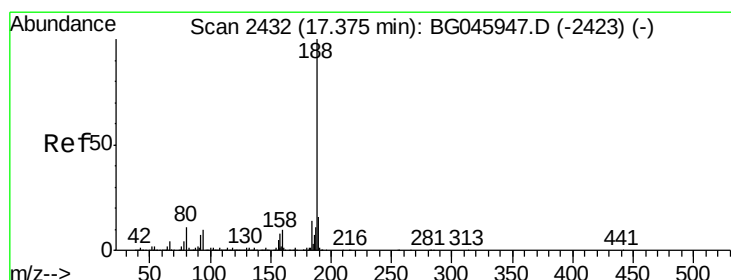
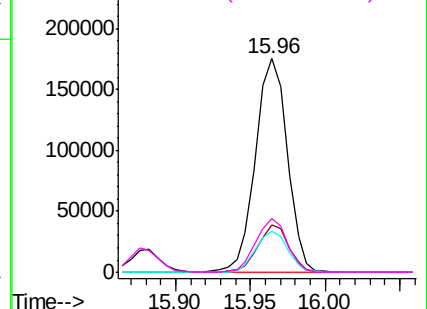
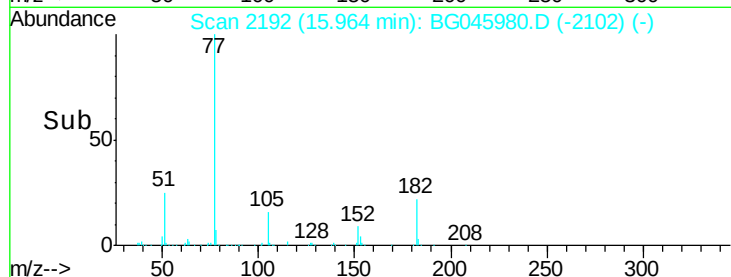


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

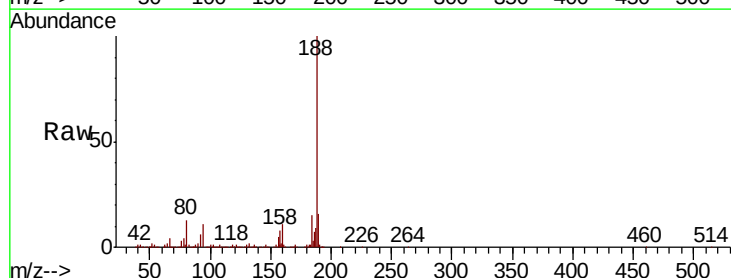
Tgt Ion: 188 Resp: 667578

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.4

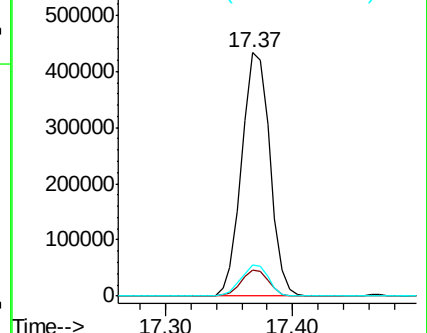
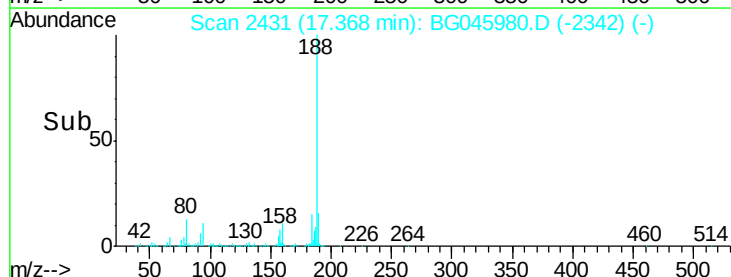
80 12.6 9.0 13.6

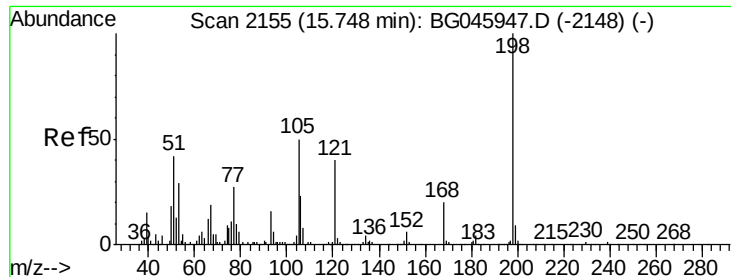


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 7.537 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

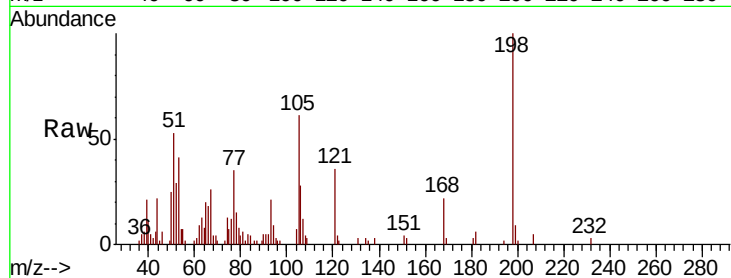
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:198 Resp: 14737

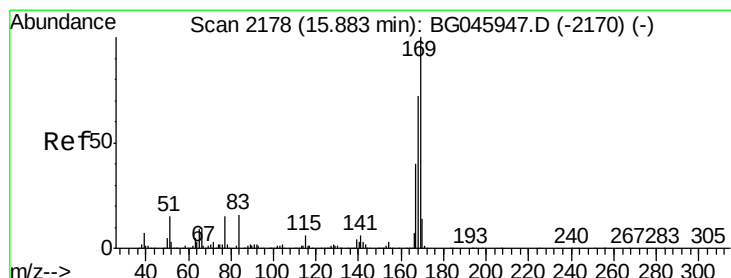
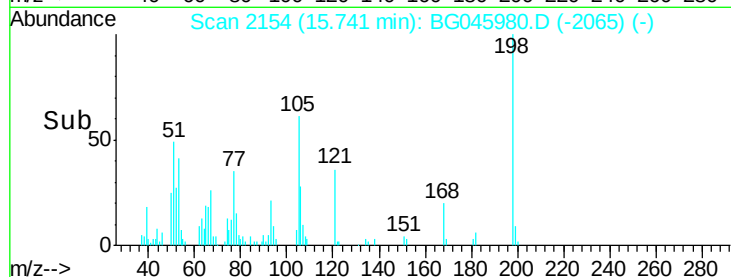
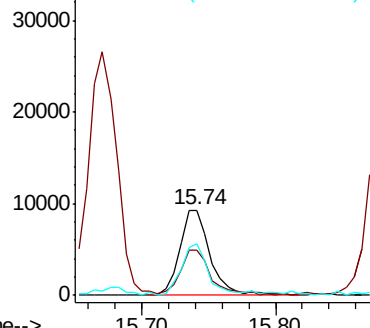
Ion	Ratio	Lower	Upper
198	100		
51	53.1	24.5	64.5
105	60.8	30.9	70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG045947.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): BG045947.D (-2148) (-)



#66

n-Nitrosodiphenylamine

Concen: 9.162 ng

RT: 15.88 min Scan# 2178

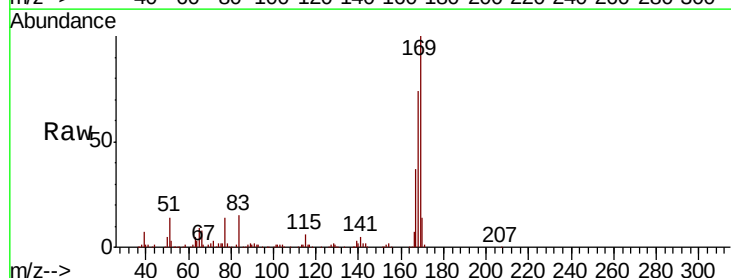
Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion:169 Resp: 189533

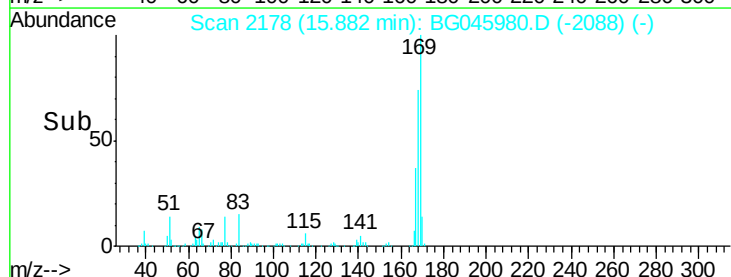
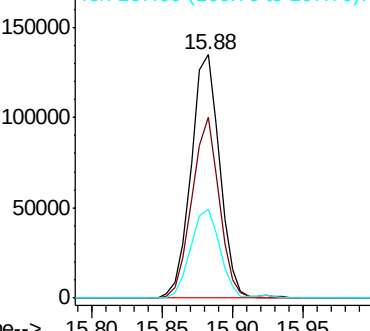
Ion	Ratio	Lower	Upper
169	100		
168	74.3	57.3	85.9
167	36.6	32.1	48.1

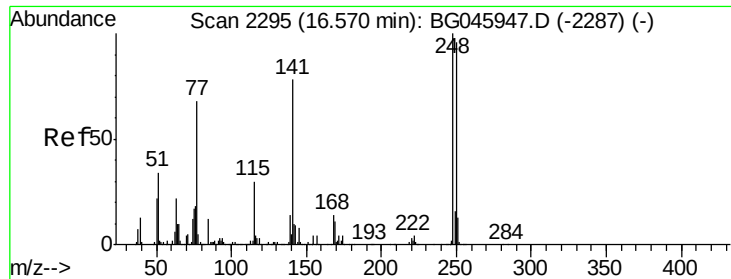


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): BG045947.D (-2170) (-)

Ion 167.00 (166.70 to 167.70): BG045947.D (-2170) (-)

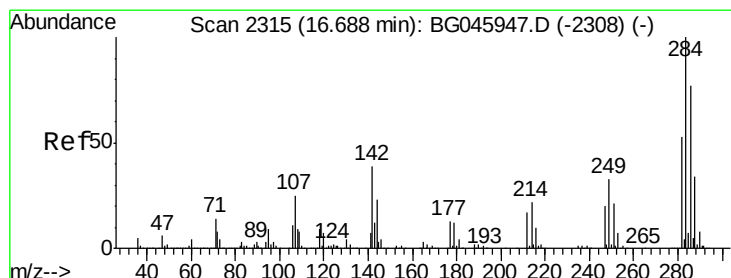
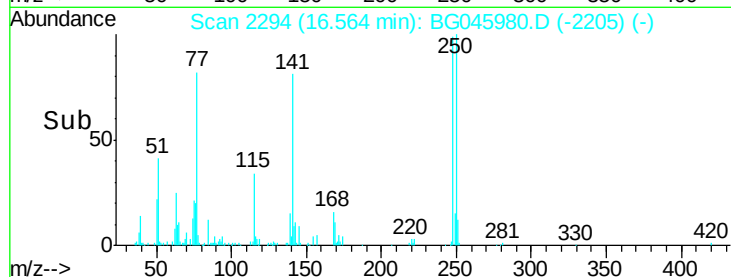
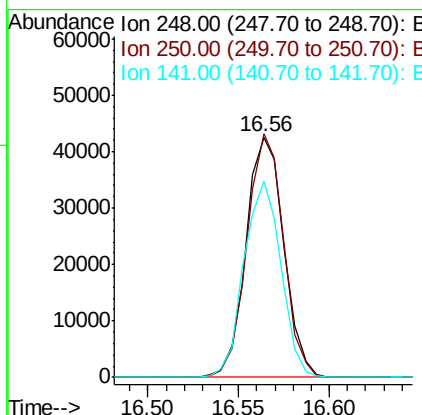
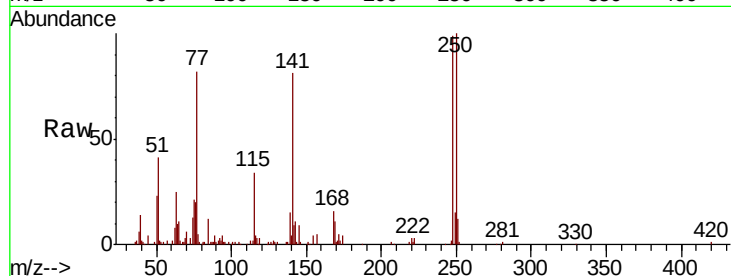




#67
4-Bromophenyl-phenylether
Concen: 8.277 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

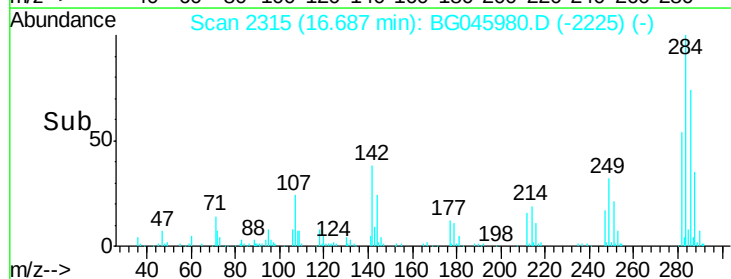
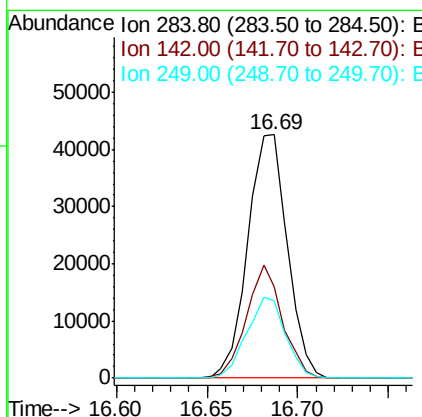
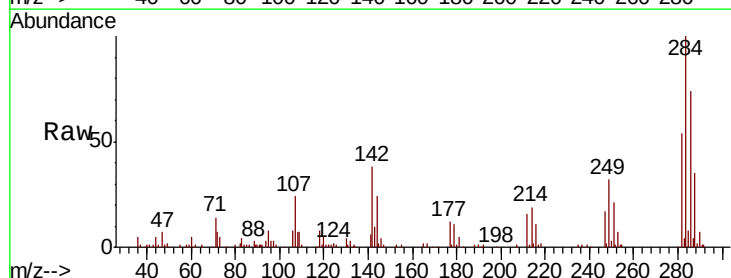
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

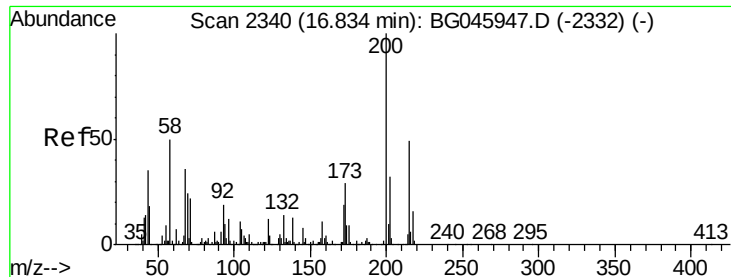
Tot Ion:248 Resp: 61712
Ion Ratio Lower Upper
248 100
250 101.4 76.6 114.8
141 81.9 62.7 94.1



#68
Hexachlorobenzene
Concen: 8.625 ng
RT: 16.69 min Scan# 2315
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:284 Resp: 64532
Ion Ratio Lower Upper
284 100
142 37.6 31.3 46.9
249 31.5 26.8 40.2





#69

Atrazine

Concen: 10.248 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

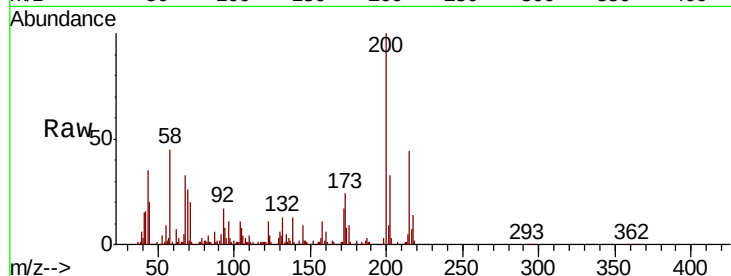
Tot Ion:200 Resp: 62678

Ion Ratio Lower Upper

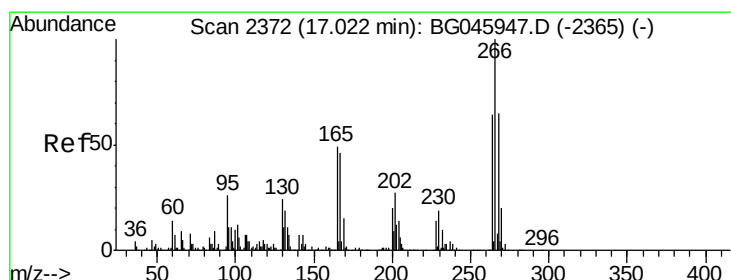
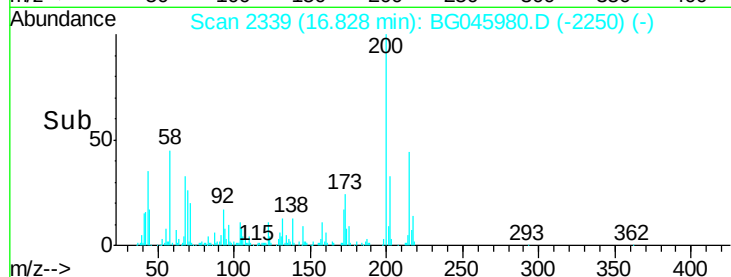
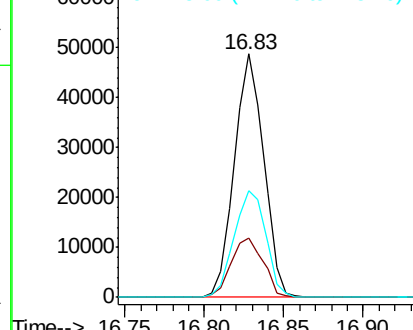
200 100

173 24.2 9.1 49.1

215 44.0 28.8 68.8



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: 7.237 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

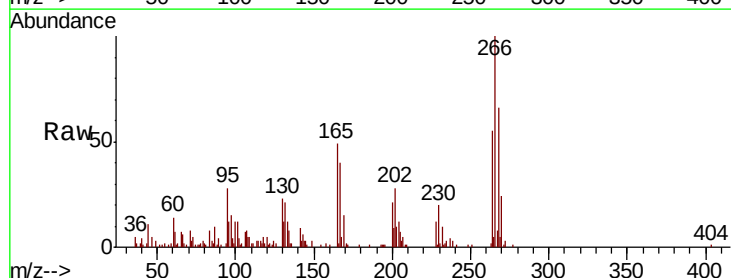
Tgt Ion:266 Resp: 30104

Ion Ratio Lower Upper

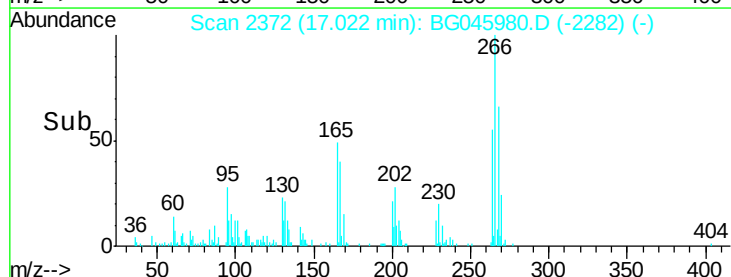
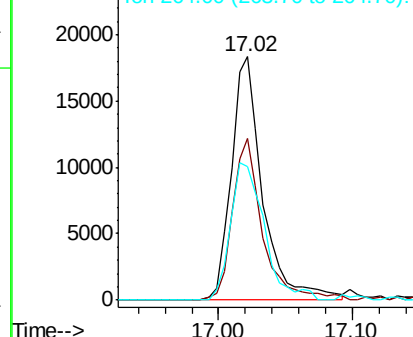
266 100

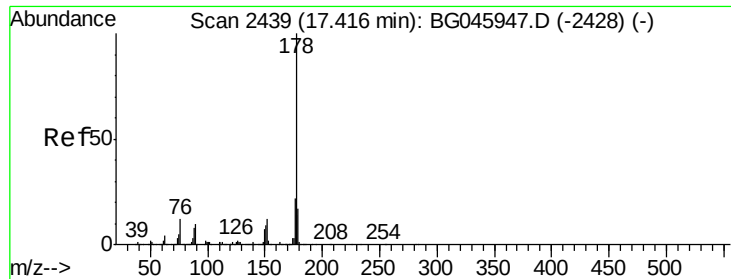
268 66.3 51.8 77.8

264 54.8 51.4 77.0



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

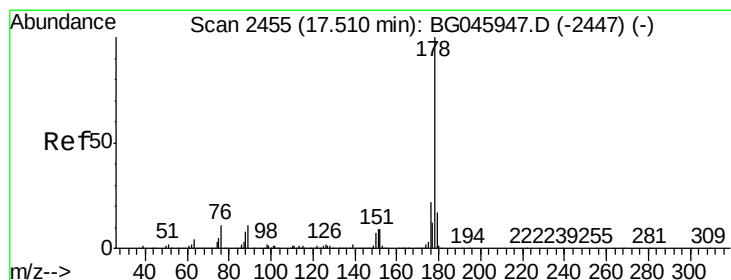
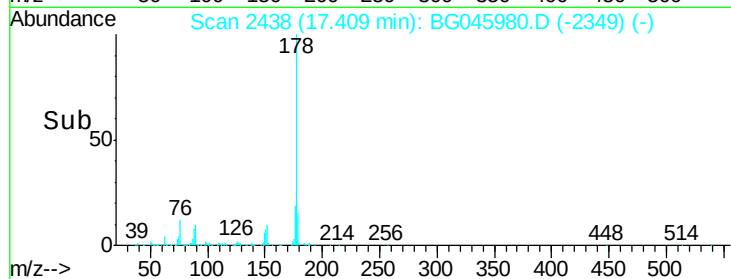
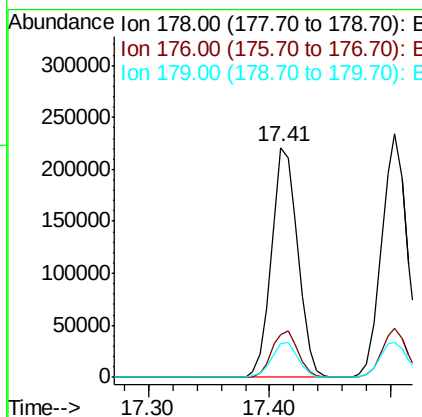
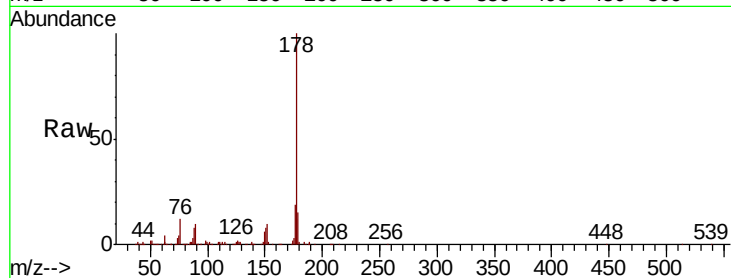




#71
Phenanthrene
Concen: 9.463 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

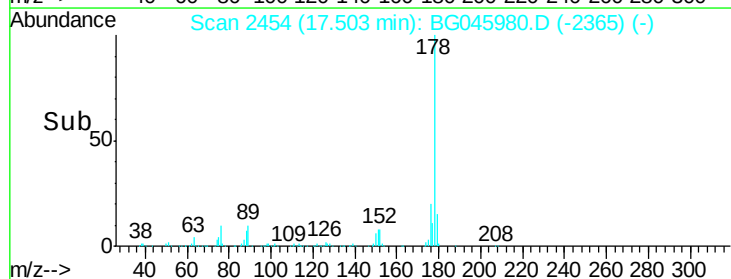
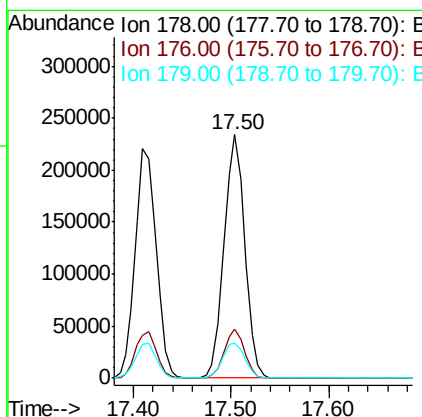
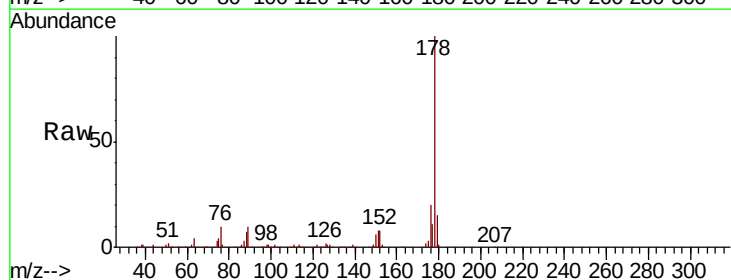
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

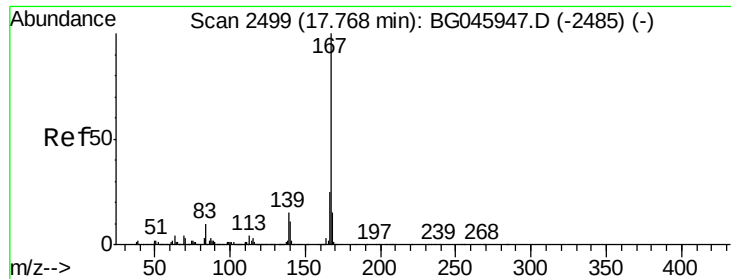
Tot Ion:178 Resp: 333971
Ion Ratio Lower Upper
178 100
176 18.7 17.4 26.2
179 14.7 13.4 20.2



#72
Anthracene
Concen: 9.664 ng
RT: 17.50 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion:178 Resp: 346140
Ion Ratio Lower Upper
178 100
176 19.9 17.2 25.8
179 14.6 14.0 21.0





#73

Carbazole

Concen: 8.901 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

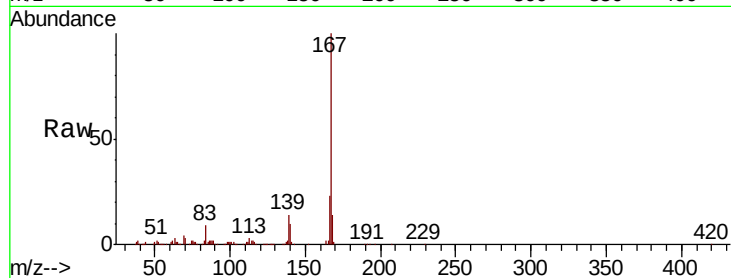
Tot Ion:167 Resp: 319569

Ion Ratio Lower Upper

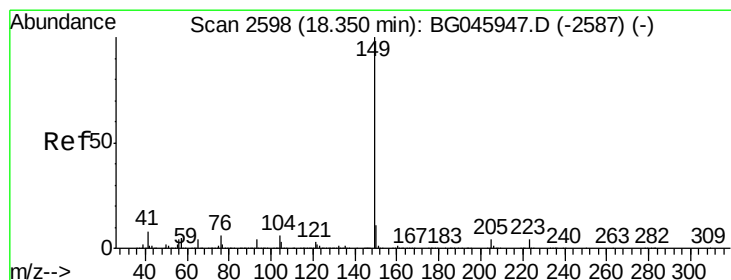
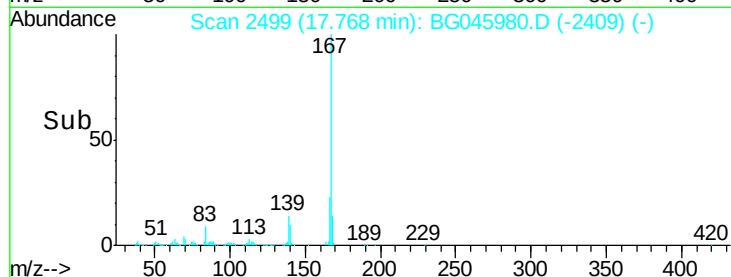
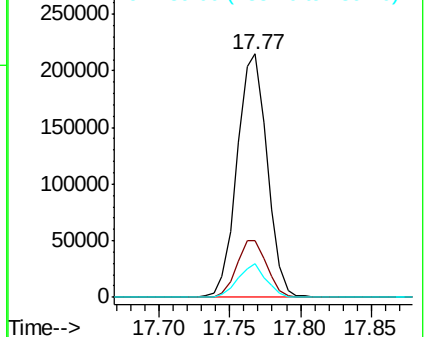
167 100

166 23.3 20.4 30.6

139 13.7 11.8 17.8



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: 8.881 ng

RT: 18.35 min Scan# 2598

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

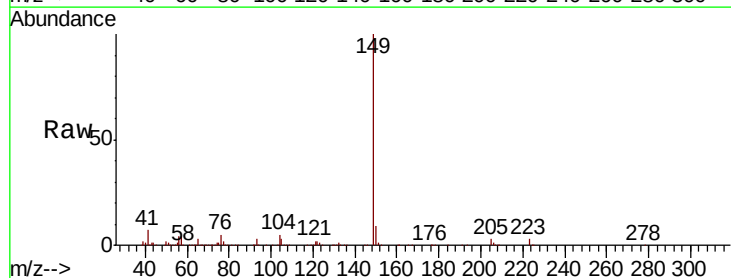
Tgt Ion:149 Resp: 385277

Ion Ratio Lower Upper

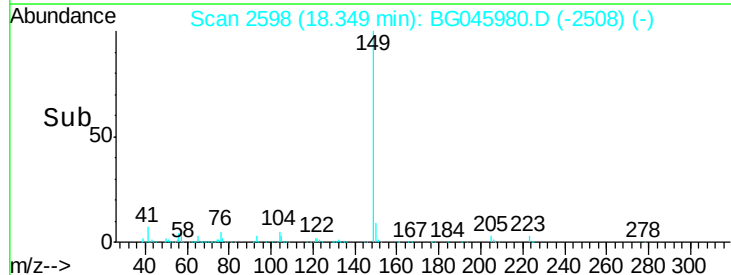
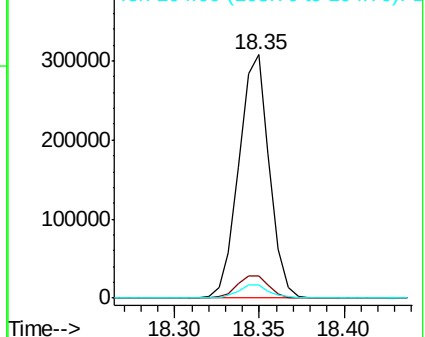
149 100

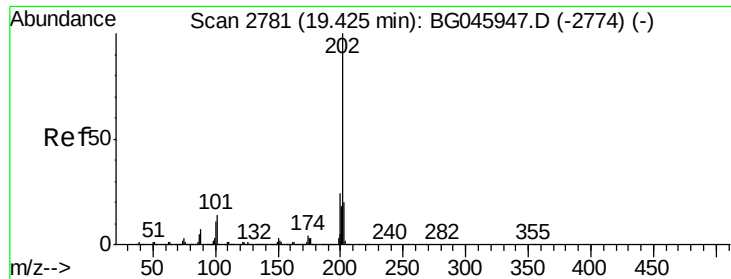
150 9.3 9.0 13.4

104 5.4 5.2 7.8



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: 9.618 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

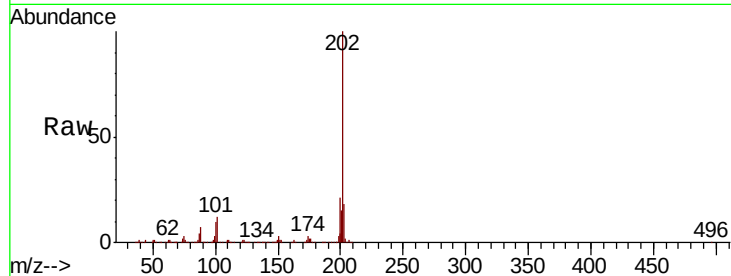
Tot Ion:202 Resp: 392428

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.8

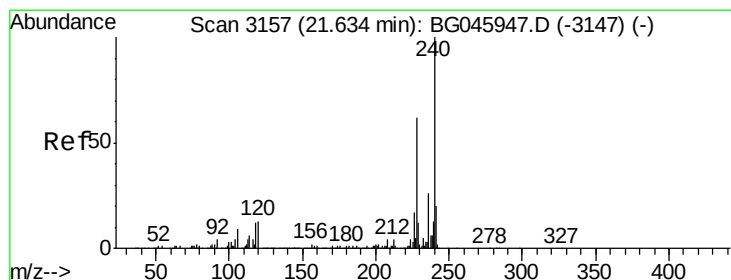
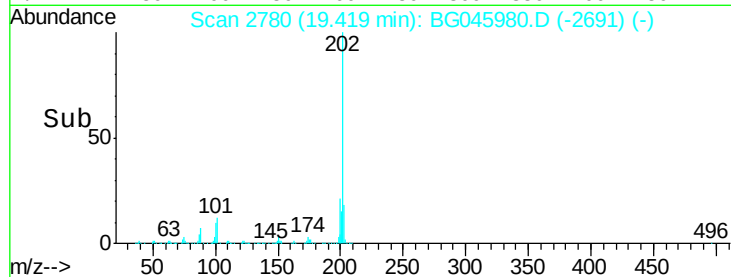
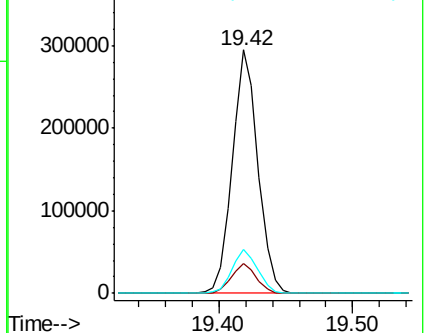
203 18.0 0.4 40.4



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

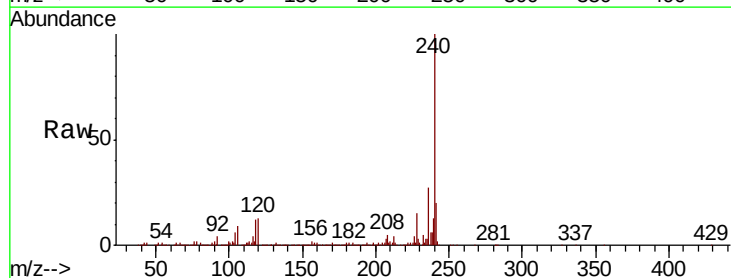
Tgt Ion:240 Resp: 607314

Ion Ratio Lower Upper

240 100

120 13.0 10.6 16.0

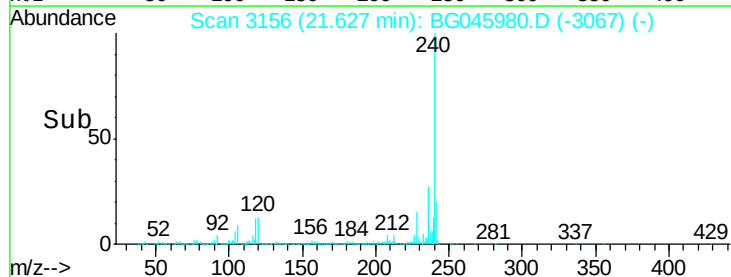
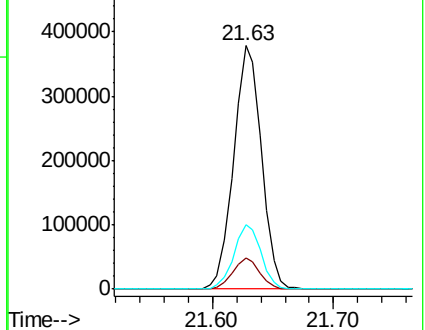
236 26.5 20.4 30.6

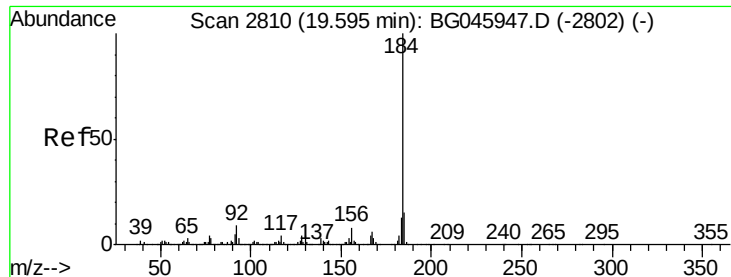


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.535 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

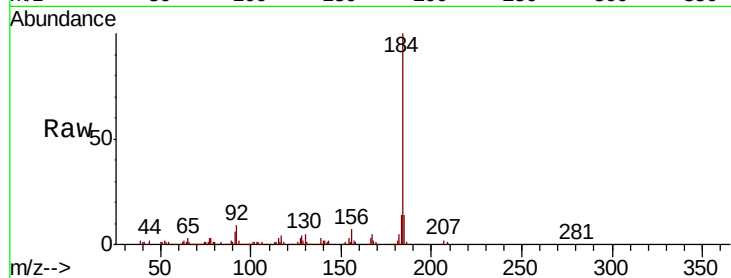
Tot Ion:184 Resp: 200298

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

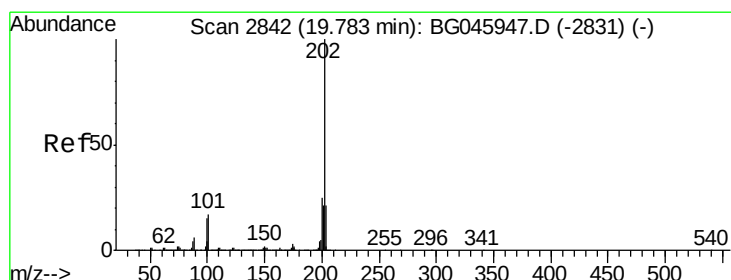
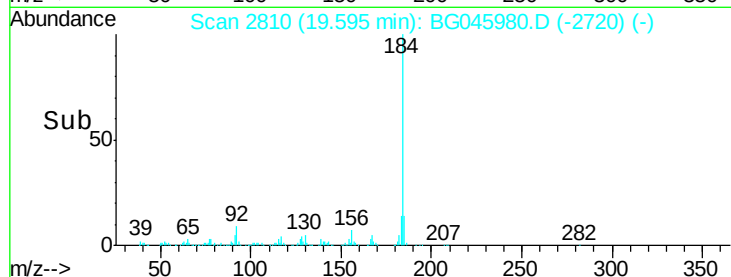
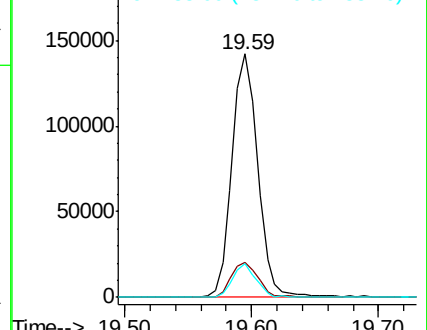
183 13.7 10.4 15.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.614 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

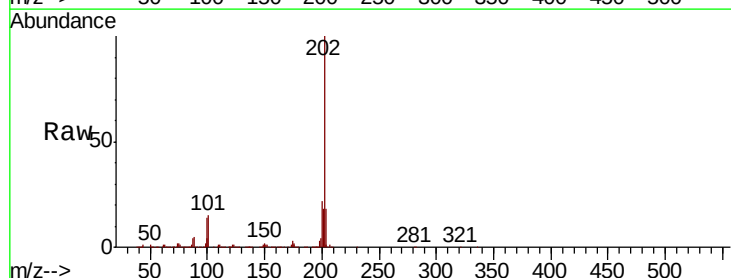
Tgt Ion:202 Resp: 398547

Ion Ratio Lower Upper

202 100

200 22.3 20.1 30.1

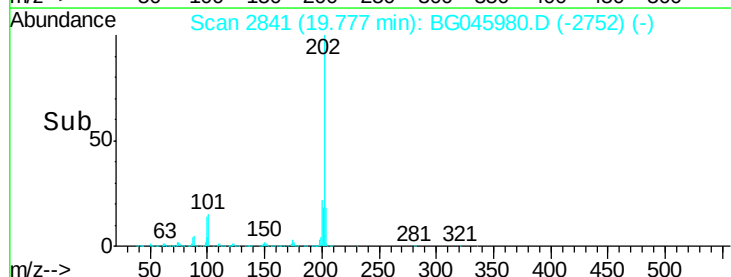
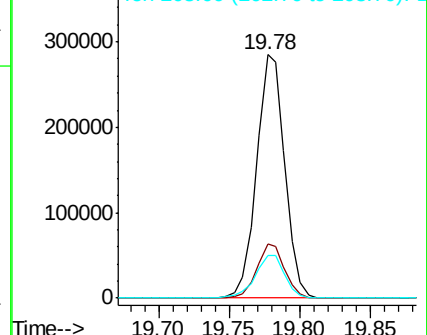
203 17.8 16.5 24.7

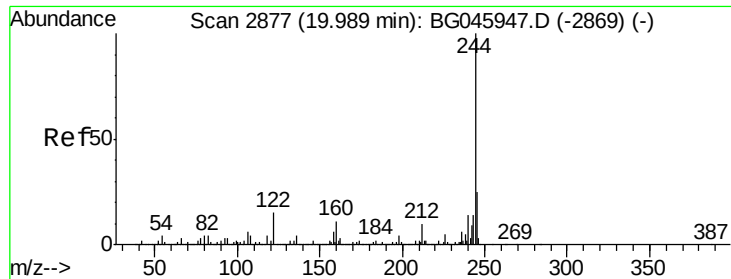


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.094 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

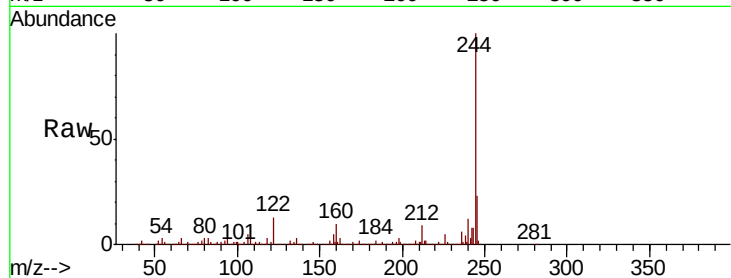
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:244 Resp: 1612590

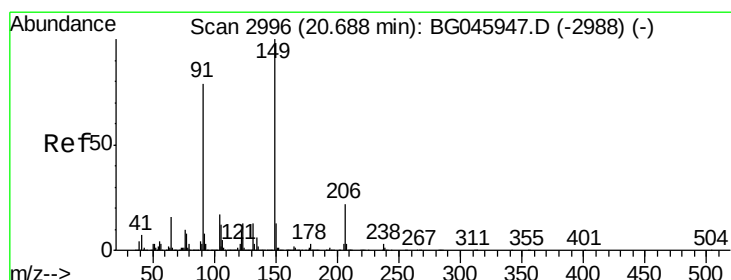
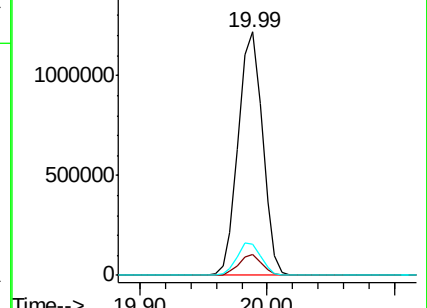
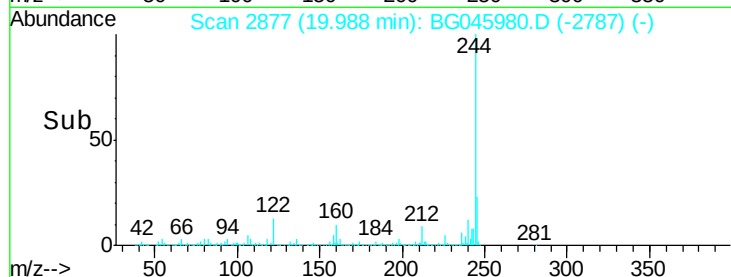
Ion	Ratio	Lower	Upper
244	100		
212	8.6	8.3	12.5
122	13.0	12.1	18.1



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: 8.214 ng

RT: 20.68 min Scan# 2995

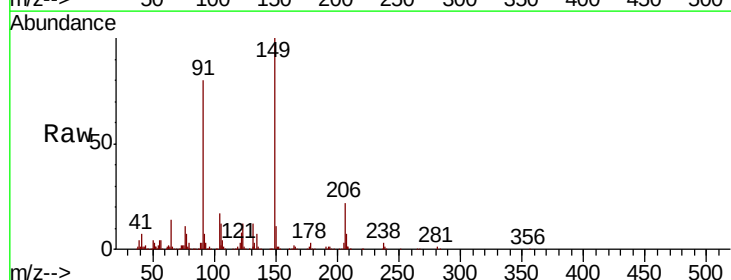
Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion:149 Resp: 160923

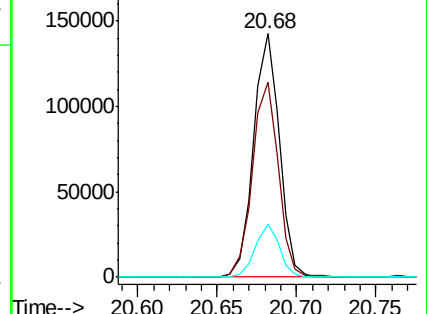
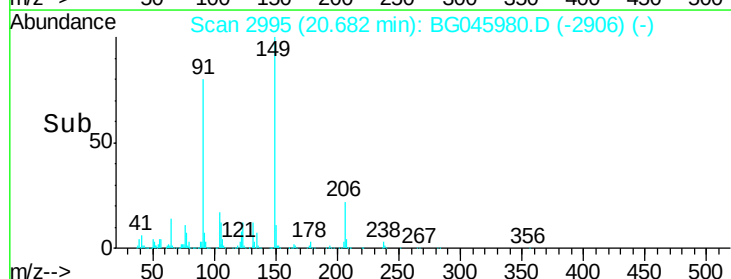
Ion	Ratio	Lower	Upper
149	100		
91	80.3	63.1	94.7
206	21.8	17.4	26.0

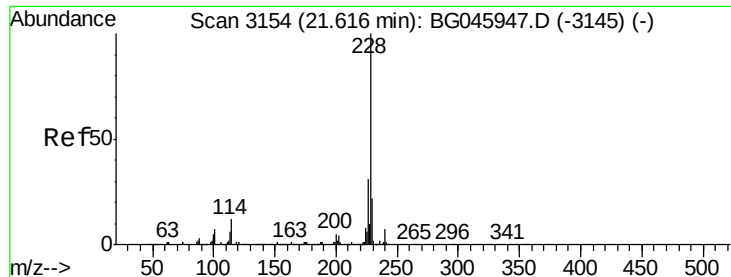


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.304 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

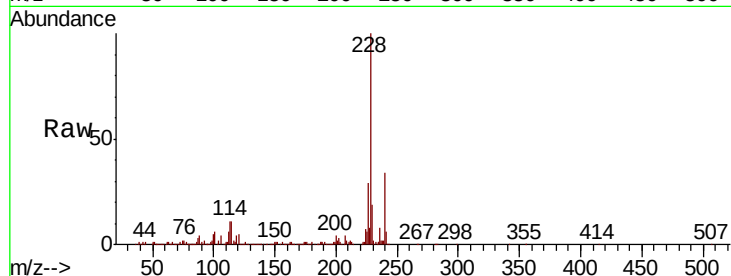
Tot Ion:228 Resp: 371533

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

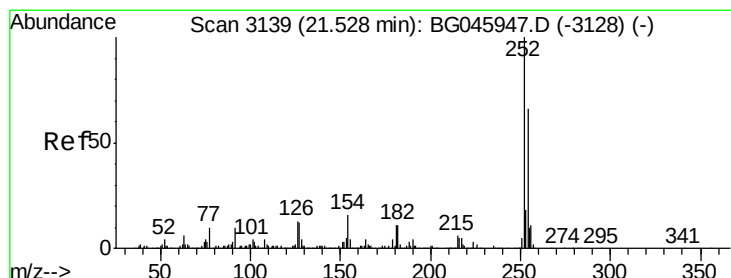
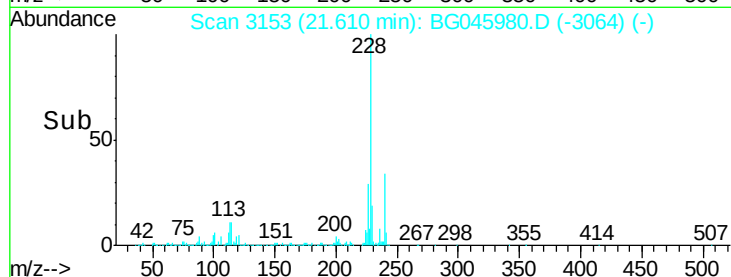
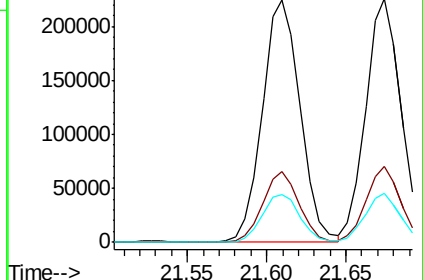
229 19.5 17.8 26.8



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: 9.178 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

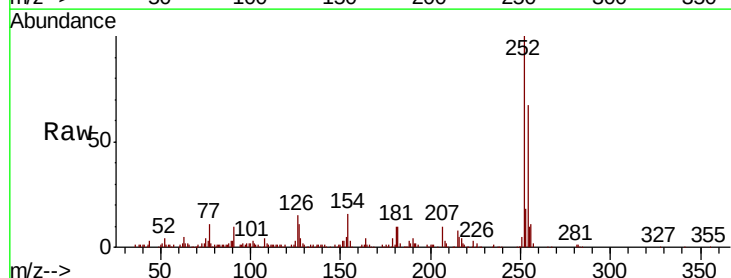
Tgt Ion:252 Resp: 135431

Ion Ratio Lower Upper

252 100

254 67.4 52.9 79.3

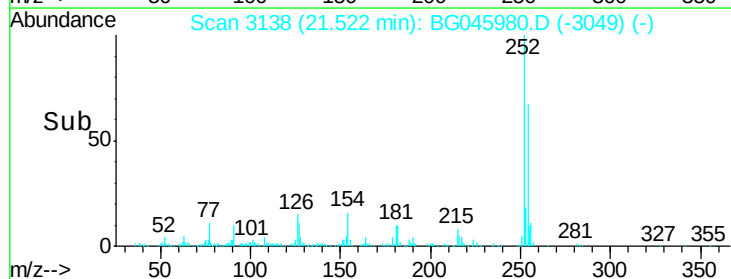
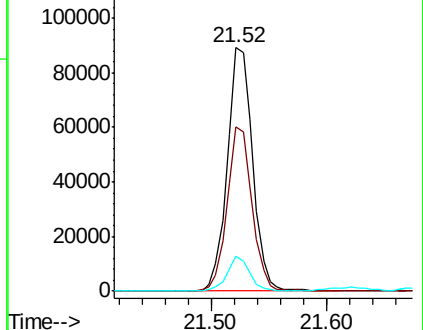
126 14.6 10.4 15.6

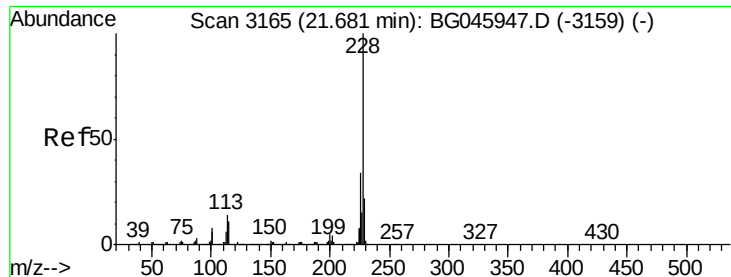


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.173 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

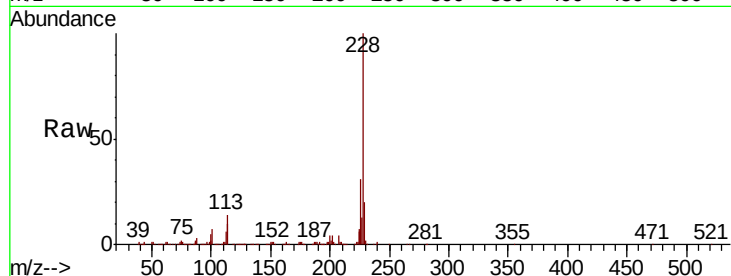
Tot Ion:228 Resp: 348958

Ion Ratio Lower Upper

228 100

226 31.0 26.7 40.1

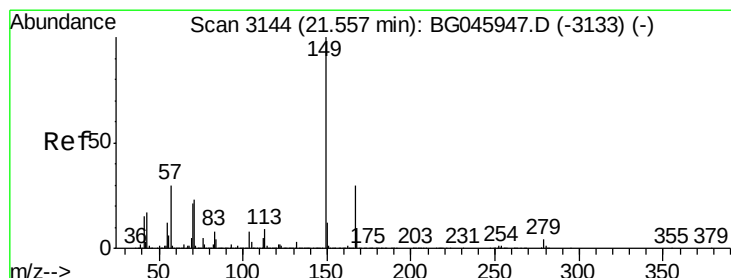
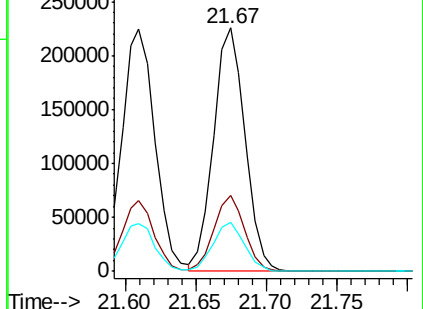
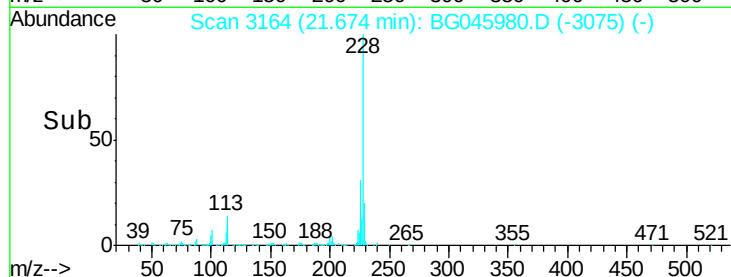
229 20.3 17.3 25.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.688 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

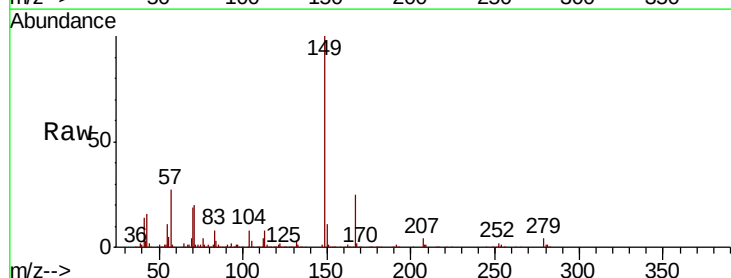
Tgt Ion:149 Resp: 247064

Ion Ratio Lower Upper

149 100

167 24.9 23.8 35.8

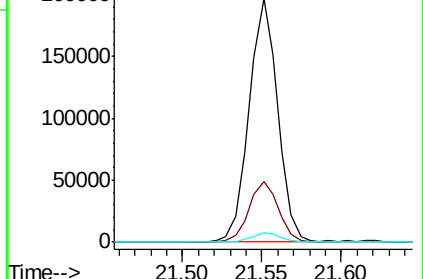
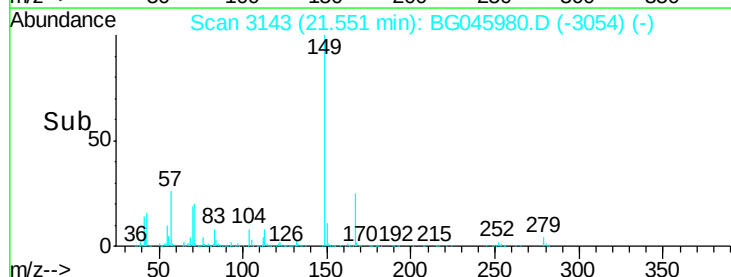
279 3.8 3.5 5.3

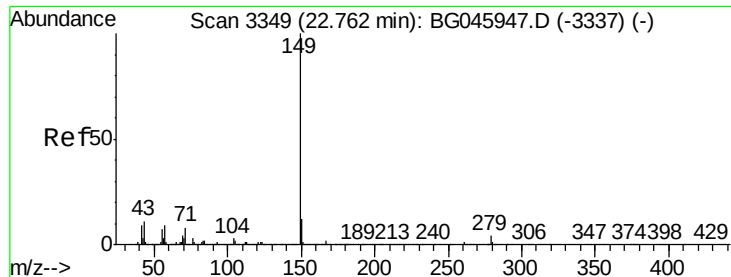


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 8.203 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

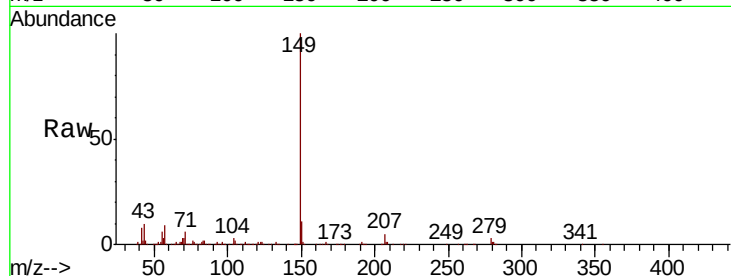
Tot Ion:149 Resp: 404805

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 10.0 8.6 12.8



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

22.75

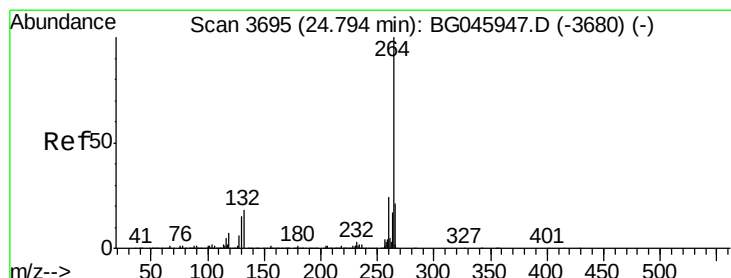
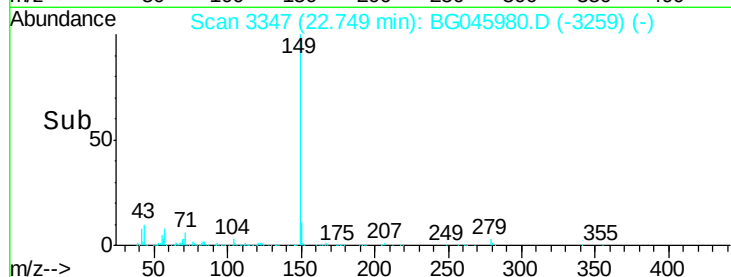
300000

200000

100000

0

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

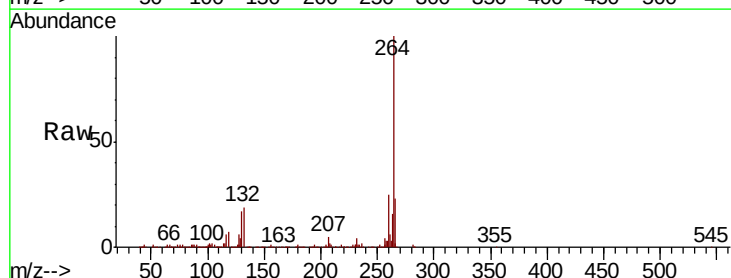
Tgt Ion:264 Resp: 601012

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 23.3 16.9 25.3



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

24.78

300000

250000

200000

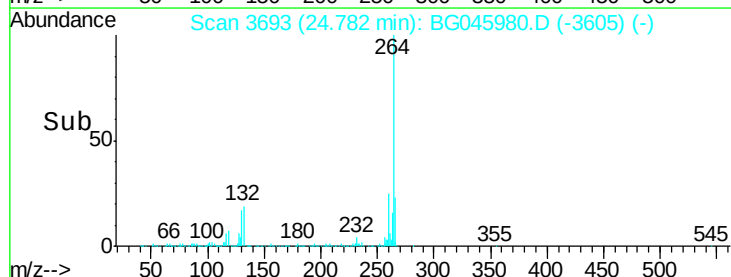
150000

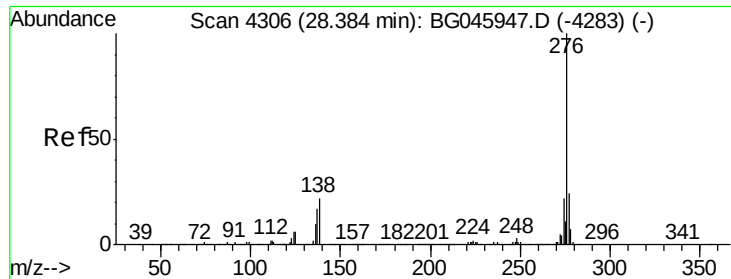
100000

50000

0

Time-->

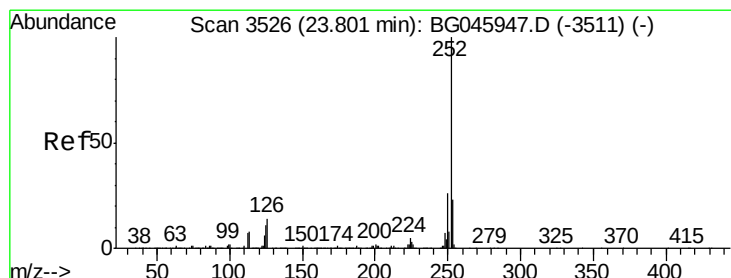
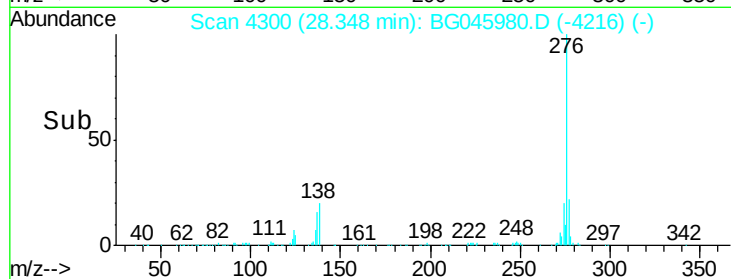
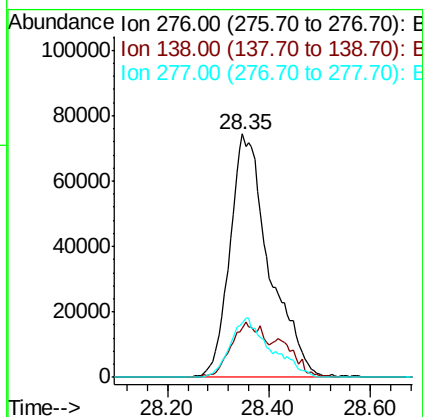
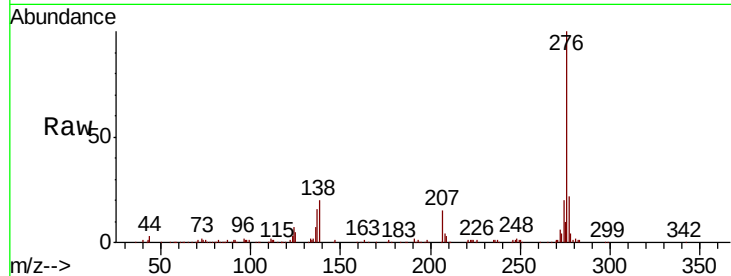




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.104 ng
 RT: 28.35 min Scan# 4306
 Delta R.T. -0.04 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

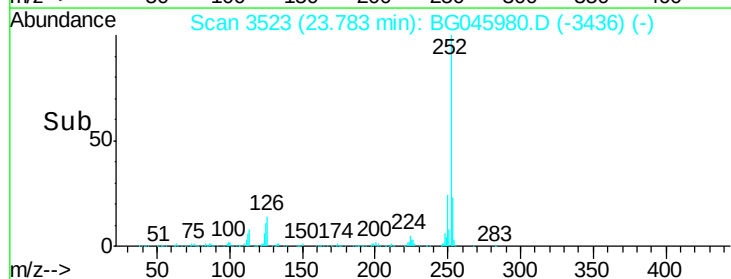
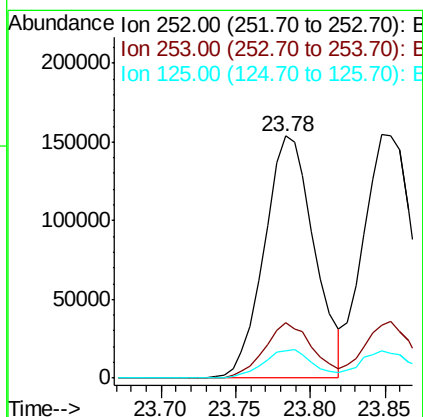
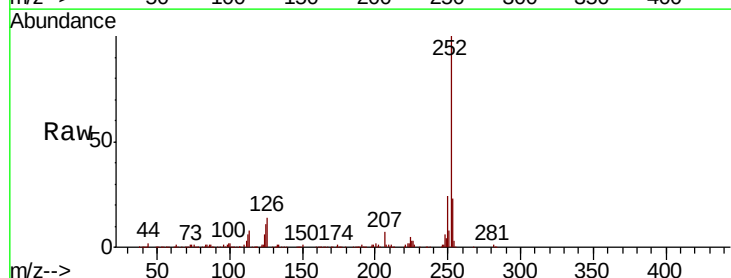
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

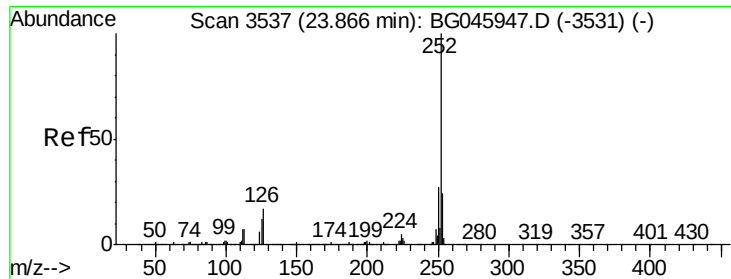
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	16.4	24.6
277	25.1	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 9.379 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	11.2	9.2	13.8

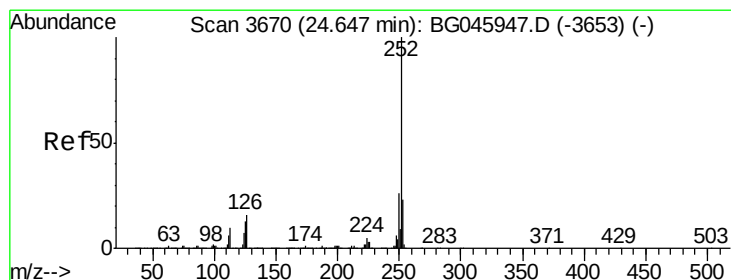
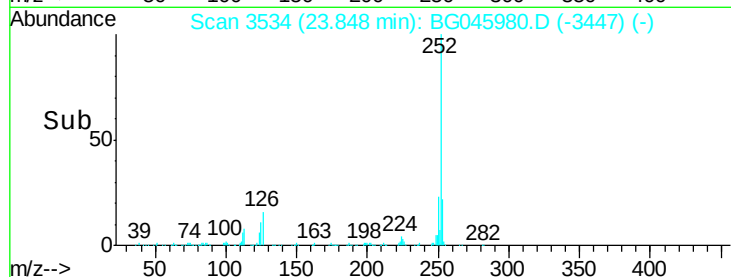
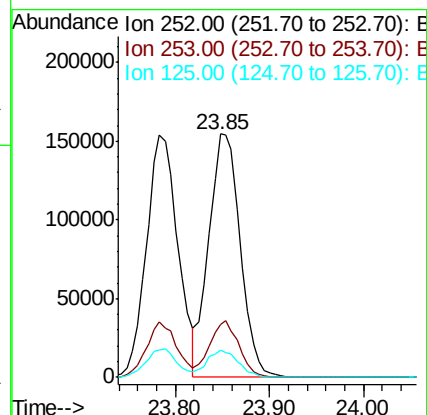
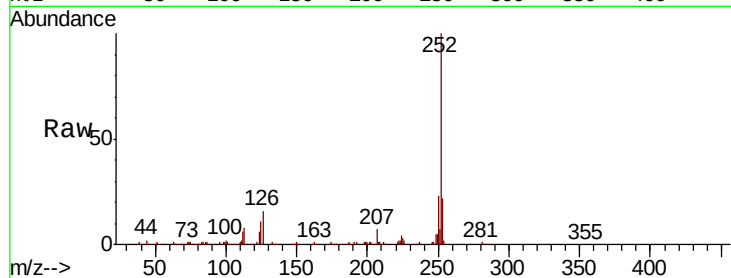




#89
Benzo(k)fluoranthene
Concen: 10.005 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

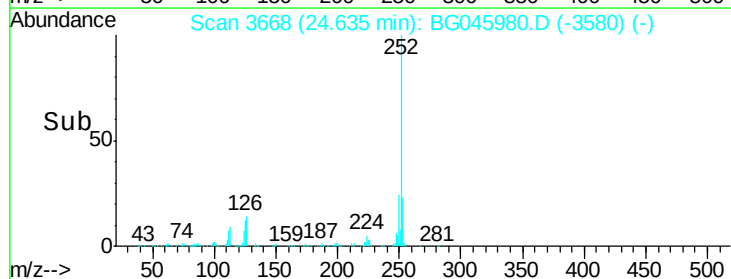
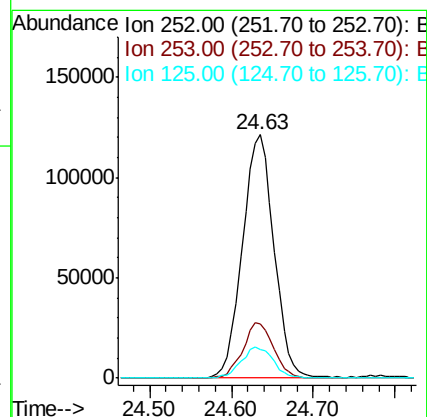
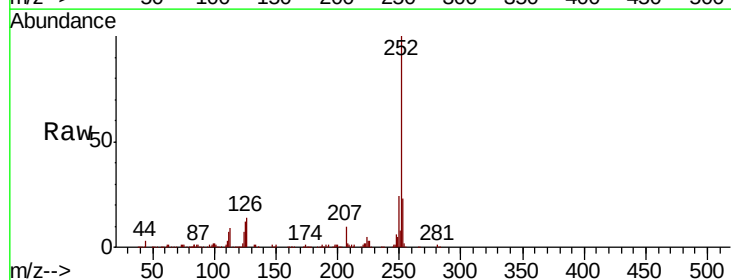
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

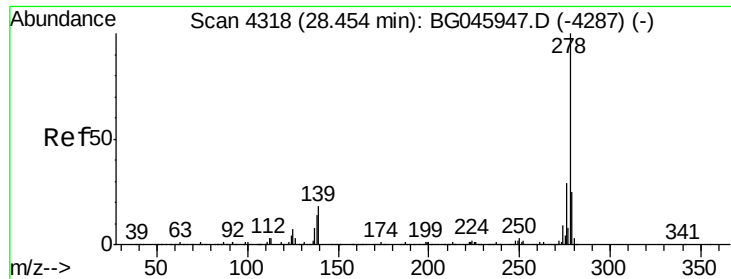
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.9	28.3
125	11.0	9.6	14.4



#90
Benzo(a)pyrene
Concen: 9.051 ng
RT: 24.63 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	28.0
125	11.9	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 9.258 ng

RT: 28.43 min Scan# 4314

Delta R.T. -0.02 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

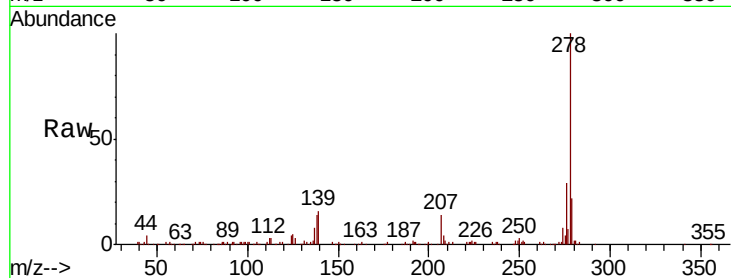
Tot Ion:278 Resp: 328312

Ion Ratio Lower Upper

278 100

139 16.5 14.3 21.5

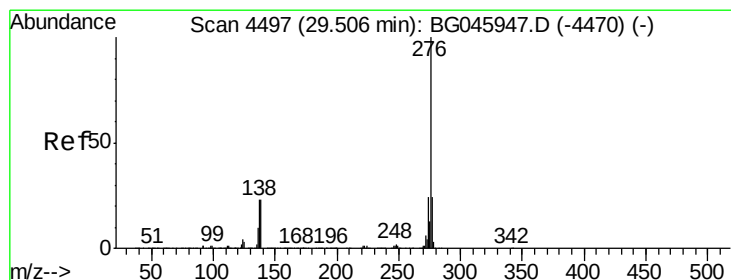
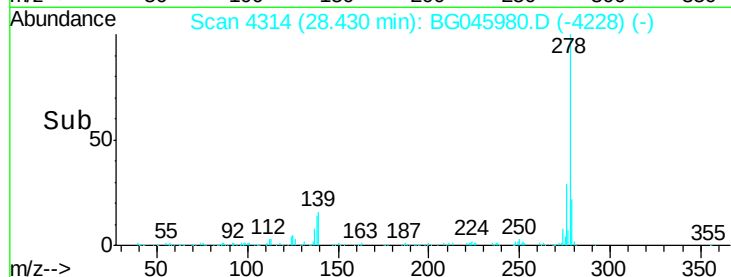
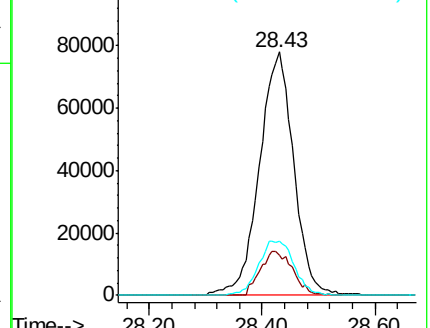
279 22.4 19.8 29.6



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: 9.361 ng

RT: 29.46 min Scan# 4489

Delta R.T. -0.05 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

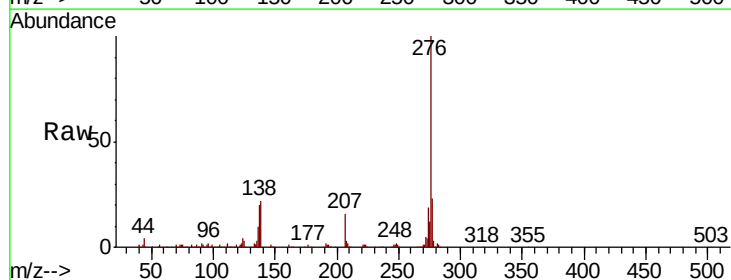
Tgt Ion:276 Resp: 334082

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 22.2 18.6 28.0



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

