

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

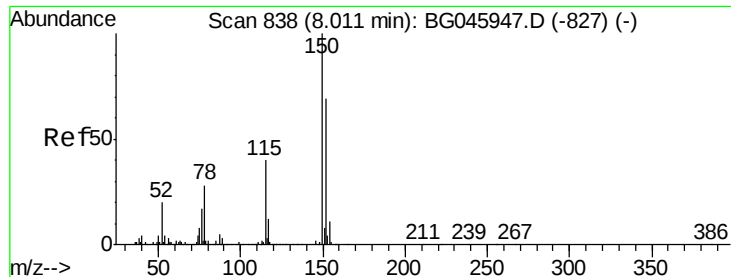
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
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 Operator : CG/JU
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 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

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

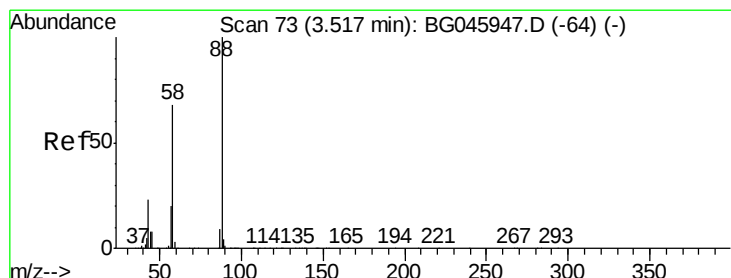
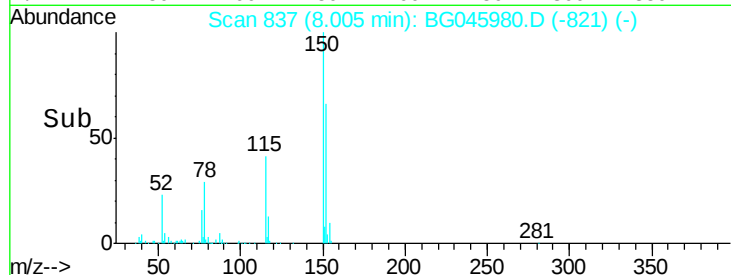
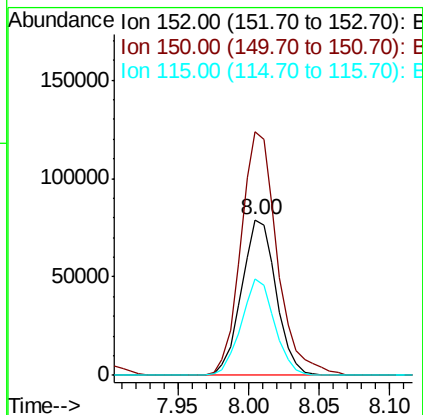
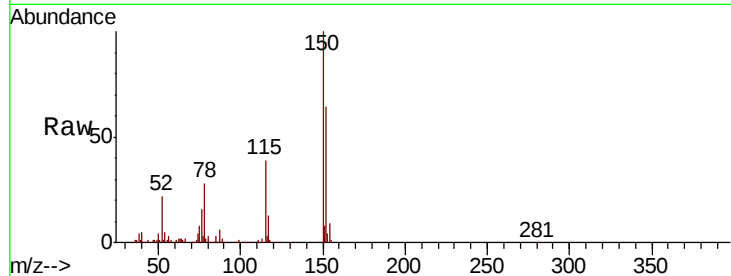


#1

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

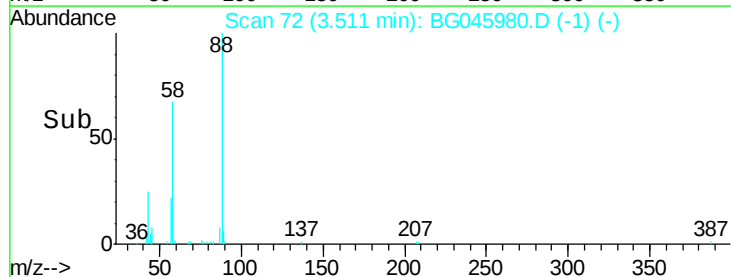
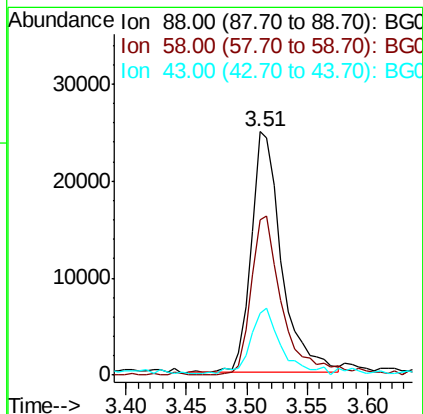
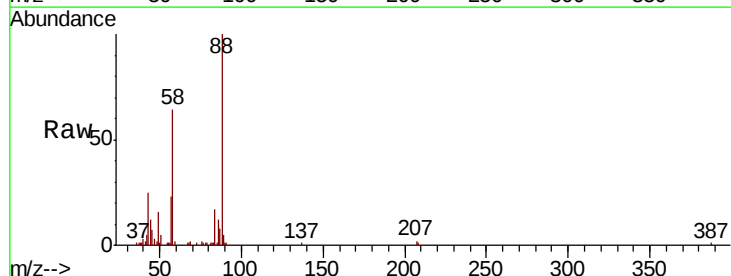
Tot Ion:152 Resp: 135521
Ion Ratio Lower Upper
152 100
150 156.4 116.7 175.1
115 61.7 47.4 71.0

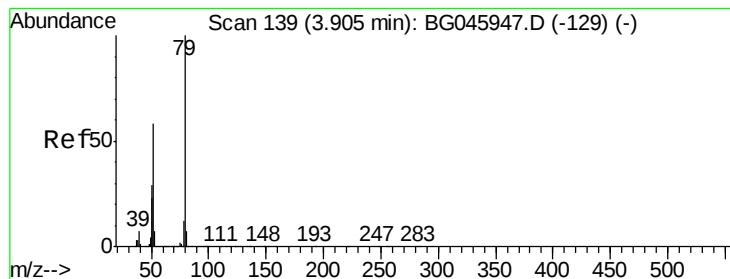


#2

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: 88 Resp: 43098
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

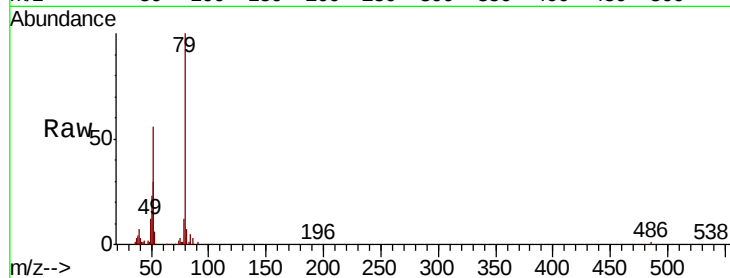
Tot Ion: 79 Resp: 91594

Ion Ratio Lower Upper

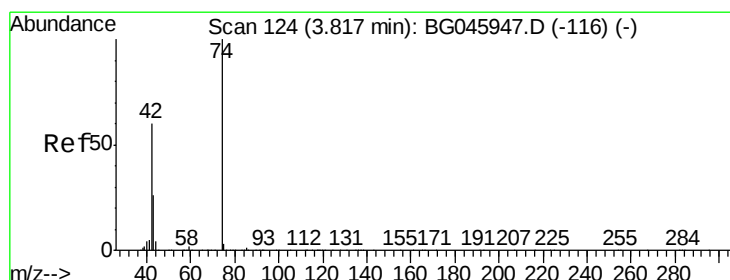
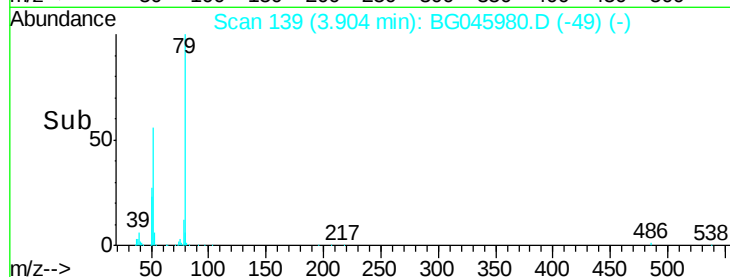
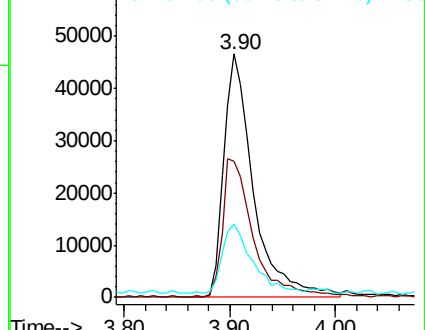
79 100

52 56.0 46.5 69.7

51 30.3 23.5 35.3



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



#4

n-Nitrosodimethylamine

Concen: 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

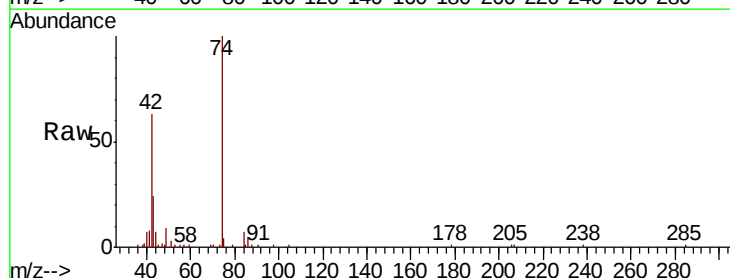
Tgt Ion: 42 Resp: 37186

Ion Ratio Lower Upper

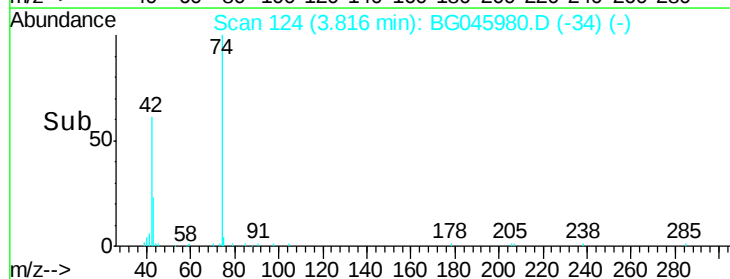
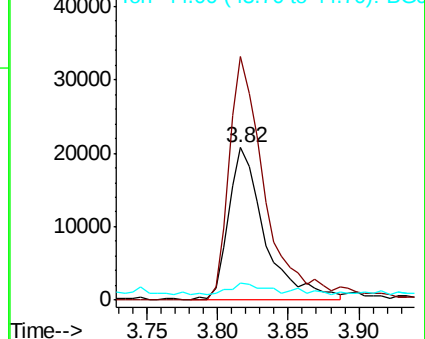
42 100

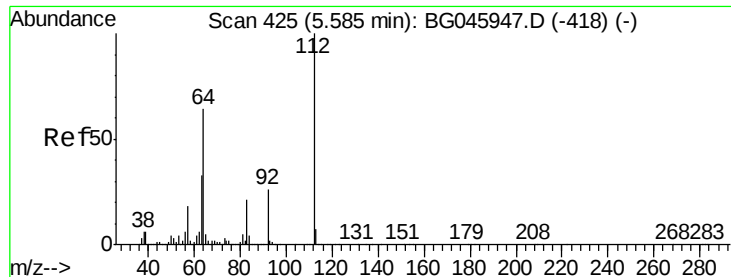
74 159.9 131.9 197.9

44 11.2 7.7 11.5



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





#5

2-Fluorophenol

Concen: 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

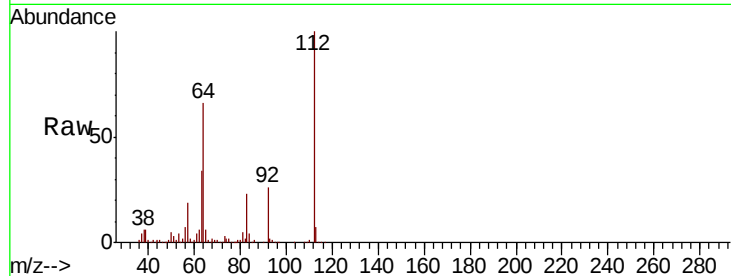
Tot Ion:112 Resp: 826502

Ion Ratio Lower Upper

112 100

64 65.7 51.4 77.2

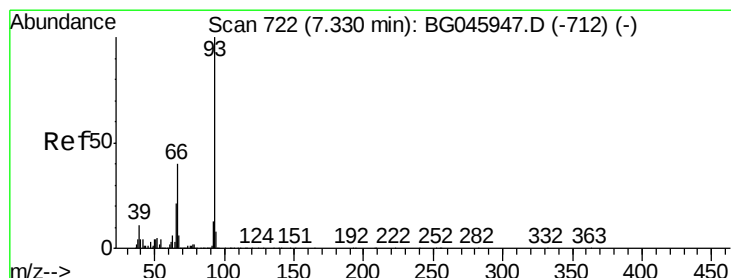
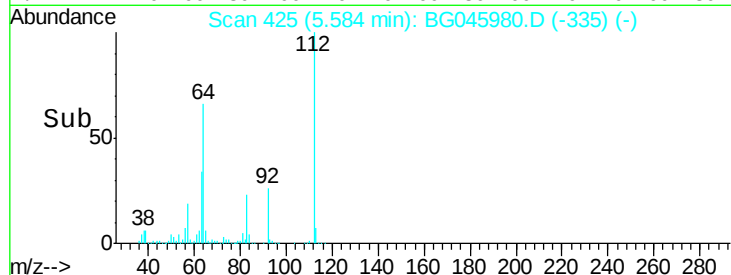
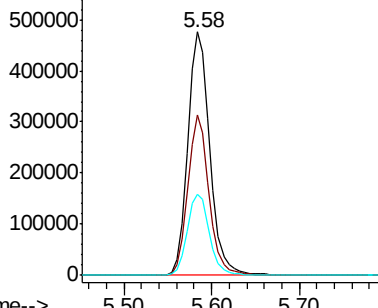
63 33.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

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

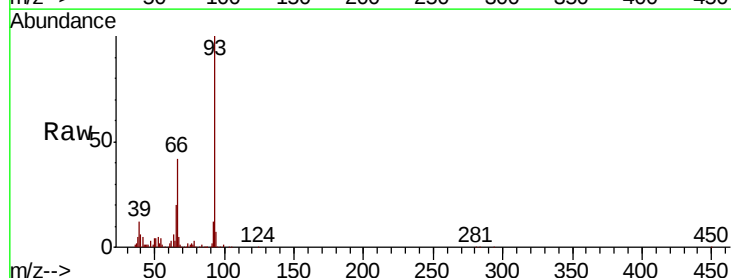
Tgt Ion: 93 Resp: 146123

Ion Ratio Lower Upper

93 100

66 41.7 32.3 48.5

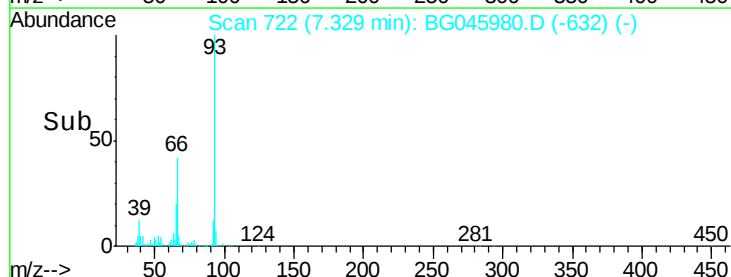
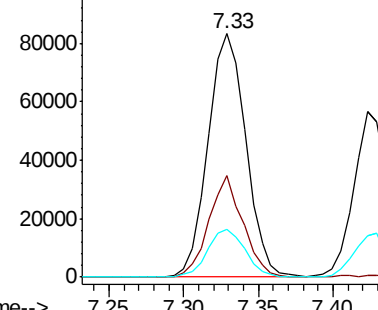
65 19.7 16.6 25.0

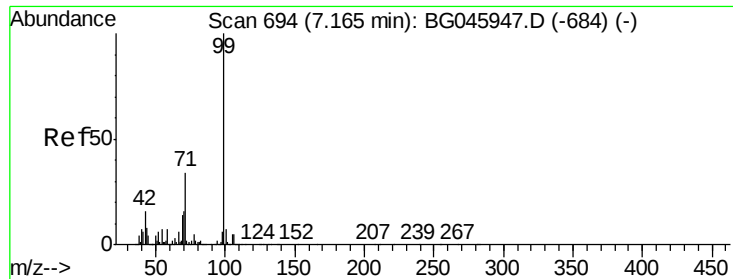


Abundance Ion 93.00 (92.70 to 93.70): BGC

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 :

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ClientSampleId :

LOQ-SOIL-02-QT3-2020

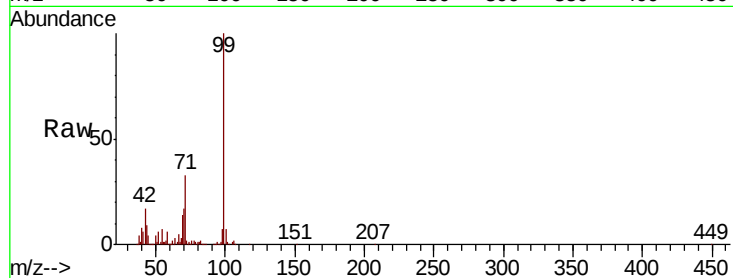
Tot Ion: 99 Resp: 1204858

Ion Ratio Lower Upper

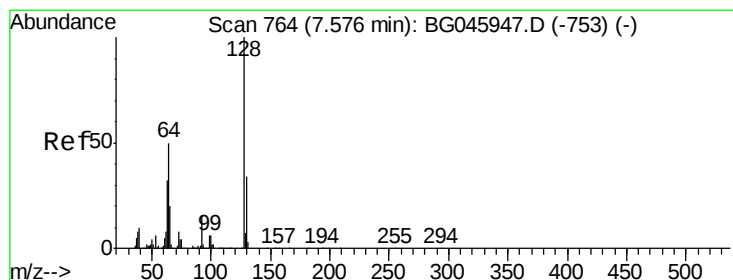
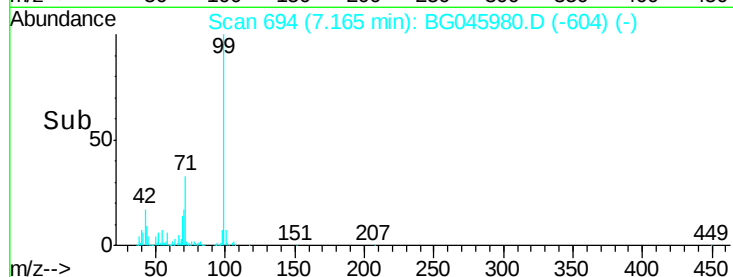
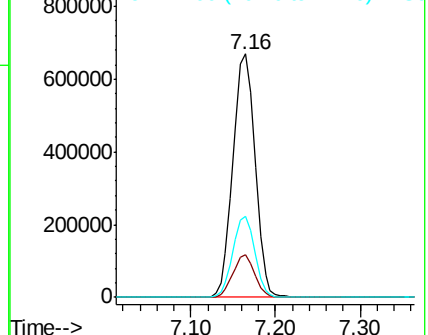
99 100

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

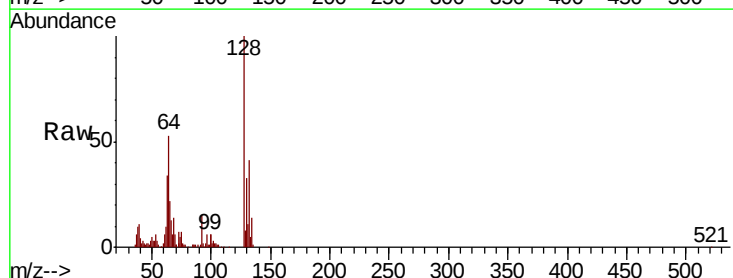
Tgt Ion:128 Resp: 85322

Ion Ratio Lower Upper

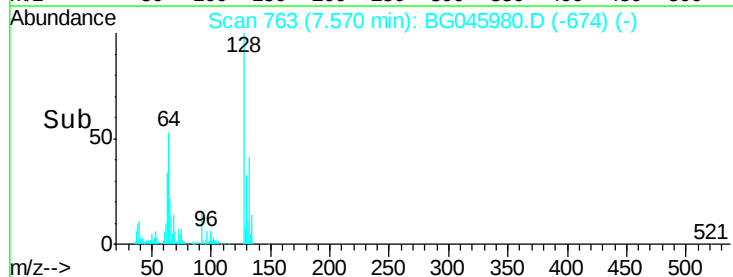
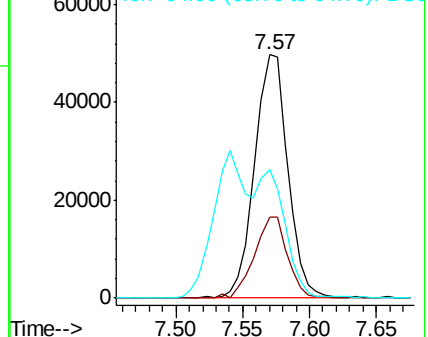
128 100

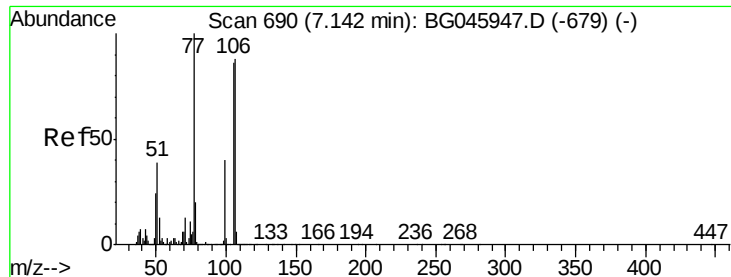
130 33.1 13.6 53.6

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

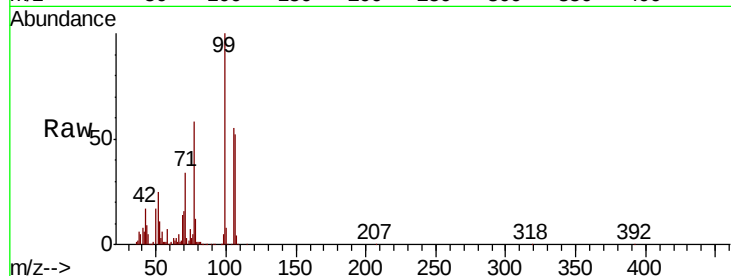
Tot Ion: 77 Resp: 131463

Ion Ratio Lower Upper

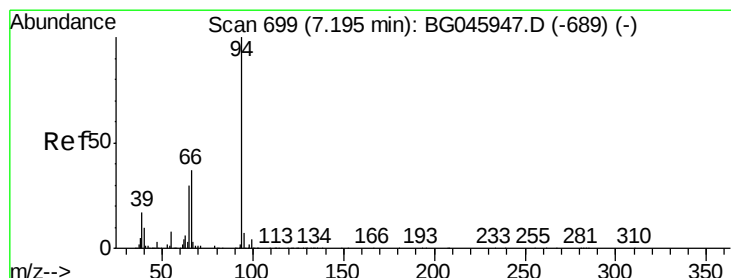
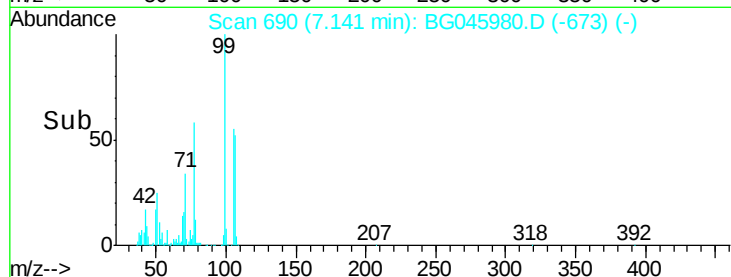
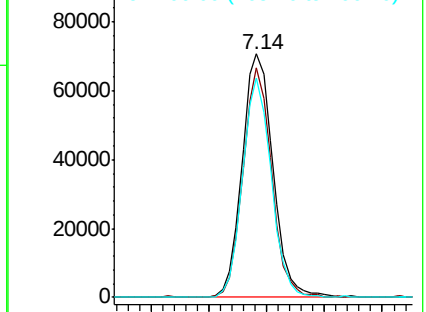
77 100

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

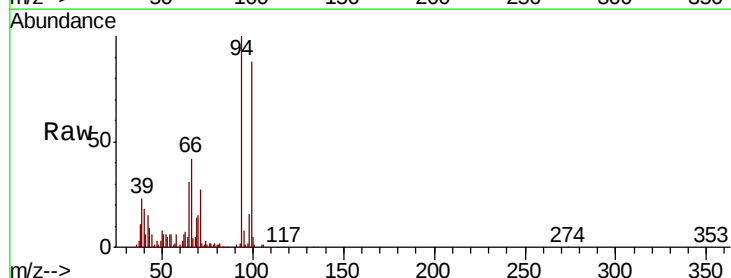
Tgt Ion: 94 Resp: 112510

Ion Ratio Lower Upper

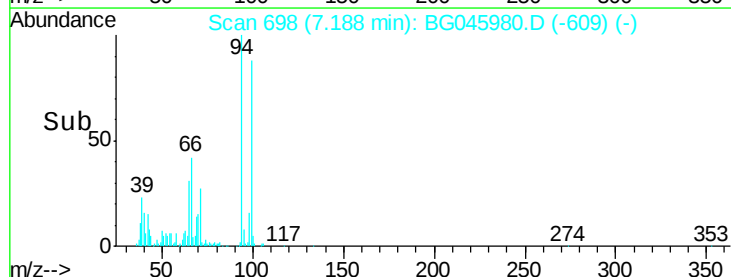
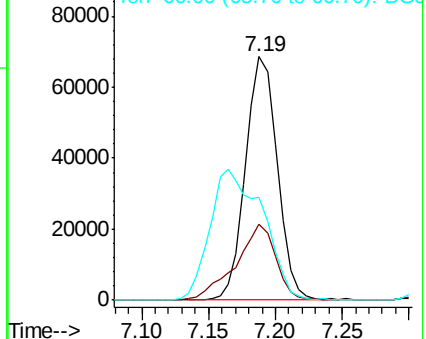
94 100

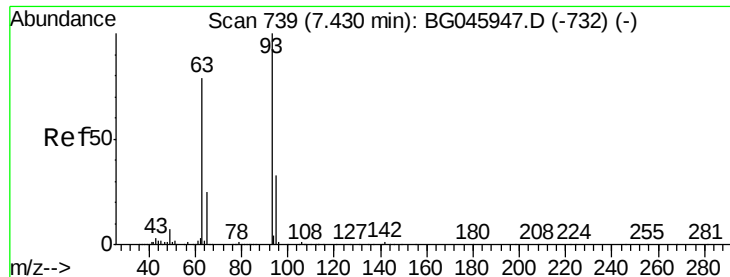
65 31.4 10.6 50.6

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

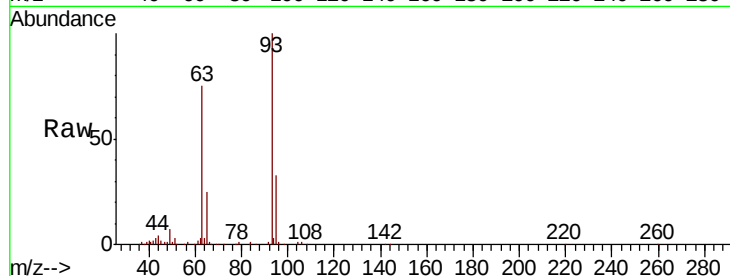




#11
bis(2-Chloroethyl)ether
Concen: 9.125 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

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

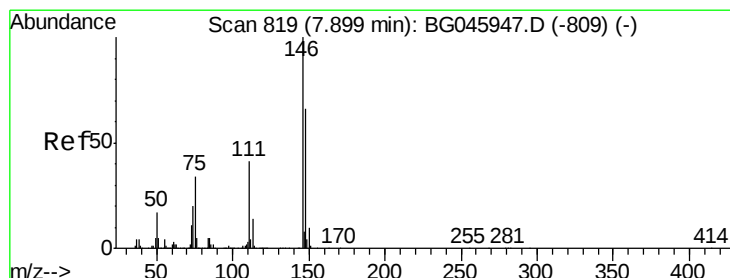
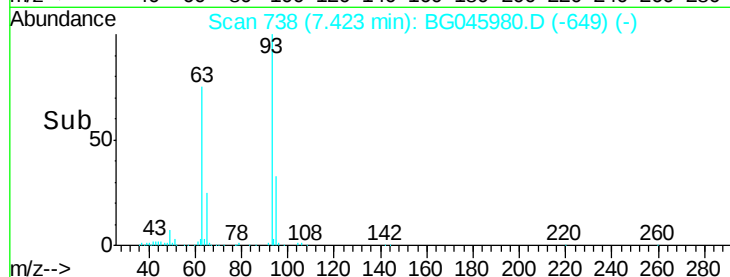
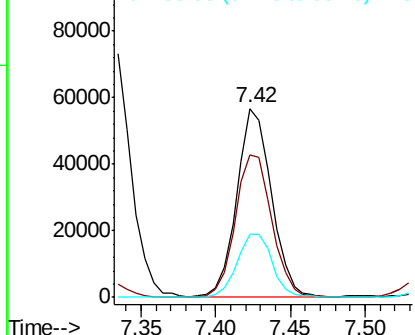


Abundance

Ion 93.00 (92.70 to 93.70): BGC

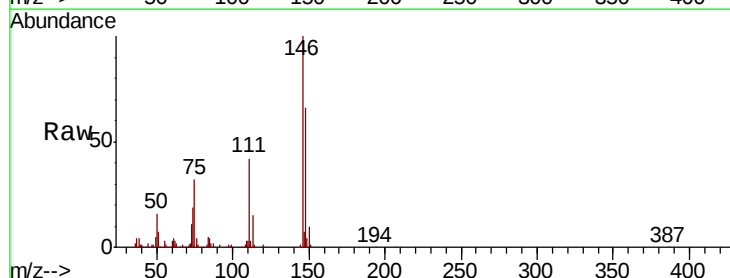
Ion 63.00 (62.70 to 63.70): BGC

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

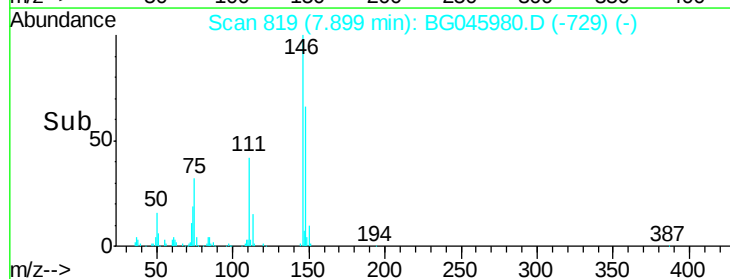
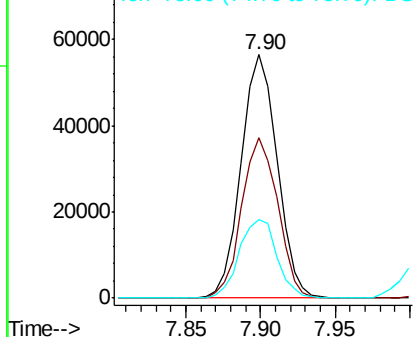


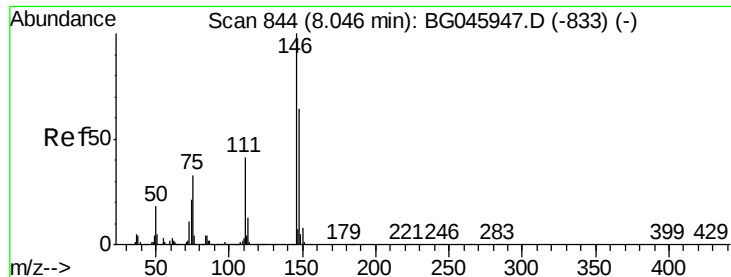
Abundance

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

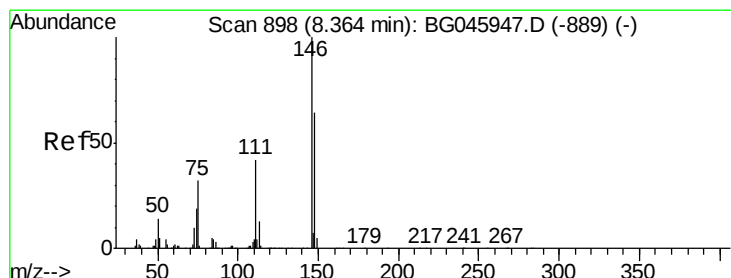
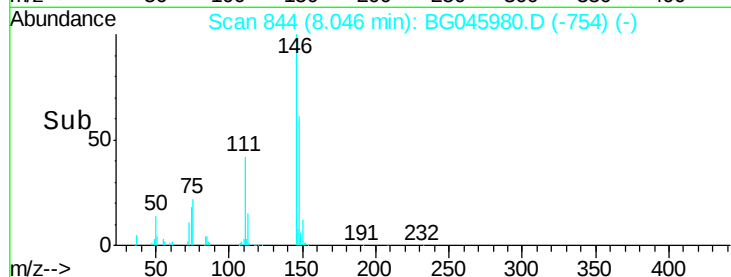
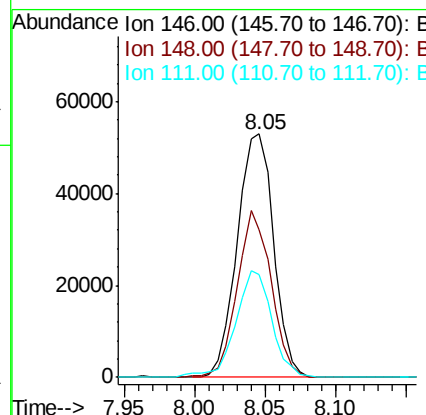
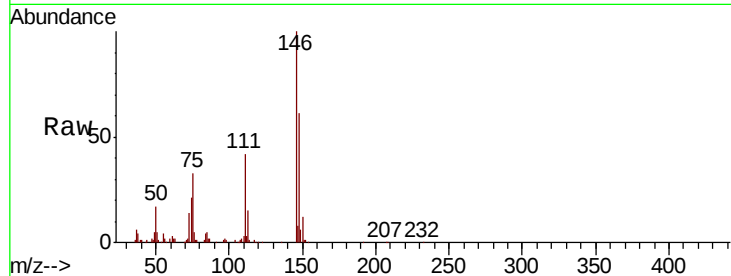




#13
 1,4-Dichlorobenzene
 Concen: 9.367 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

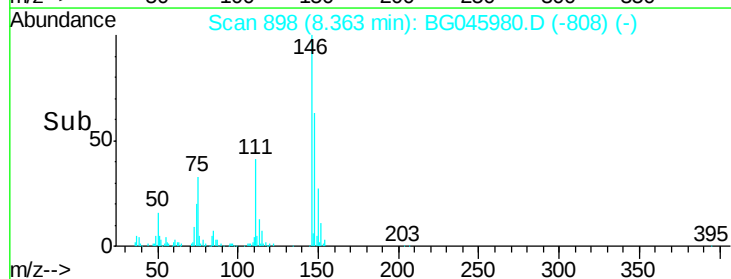
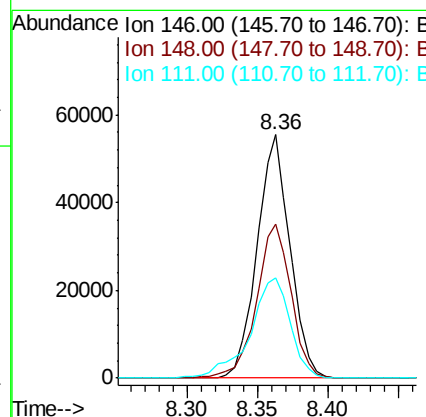
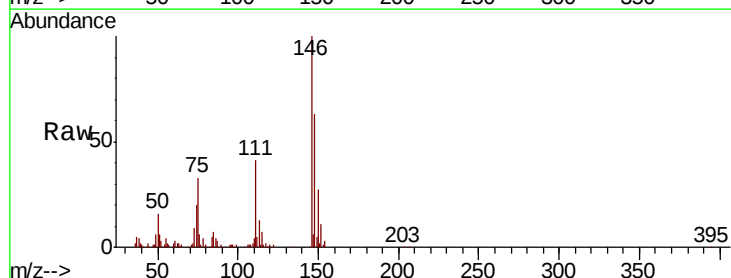
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

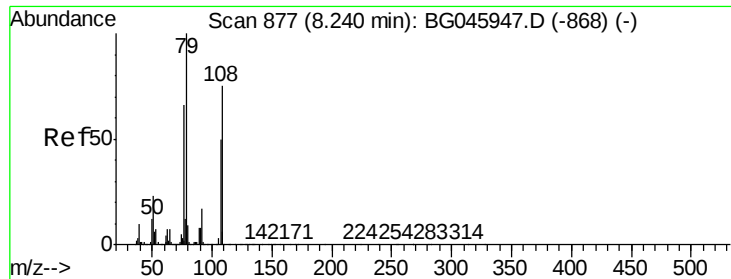
Tot Ion:146 Resp: 95545
 Ion Ratio Lower Upper
 146 100
 148 60.7 51.7 77.5
 111 42.4 33.3 49.9



#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

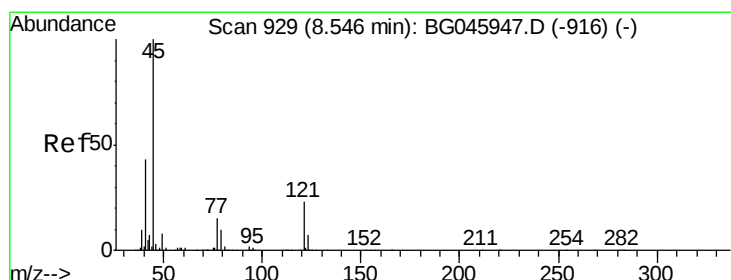
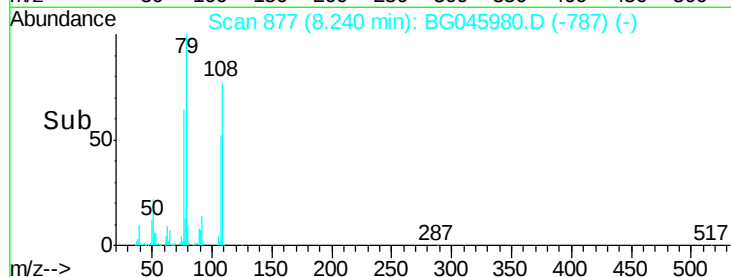
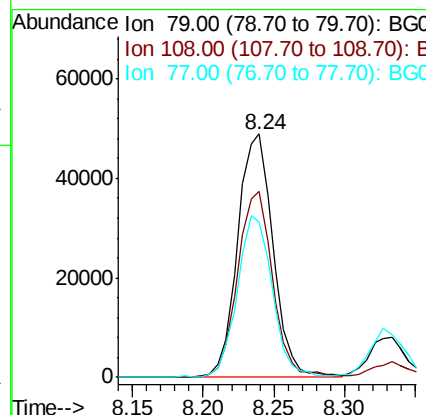
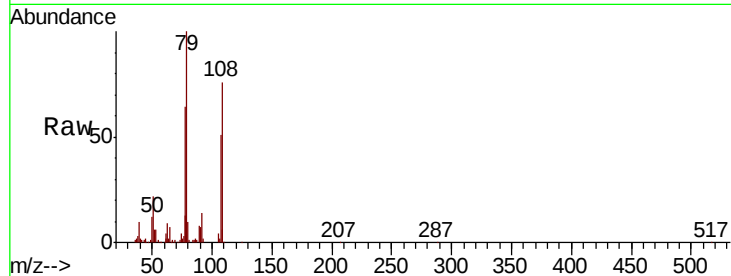




#15
Benzyl Alcohol
Concen: 9.097 ng
RT: 8.24 min Scan# 877
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

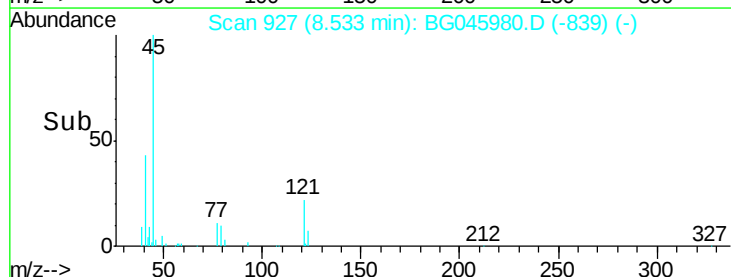
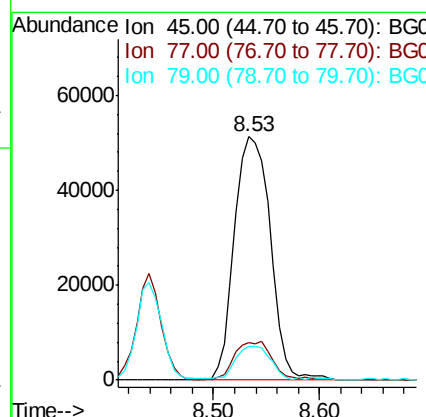
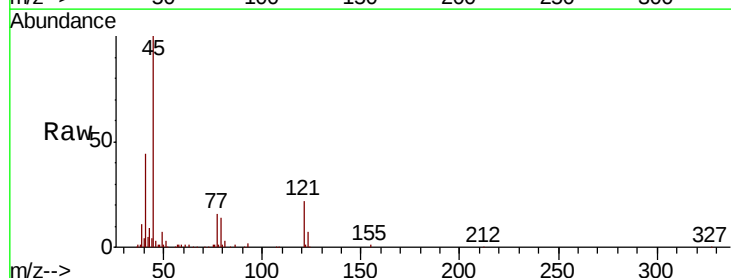
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

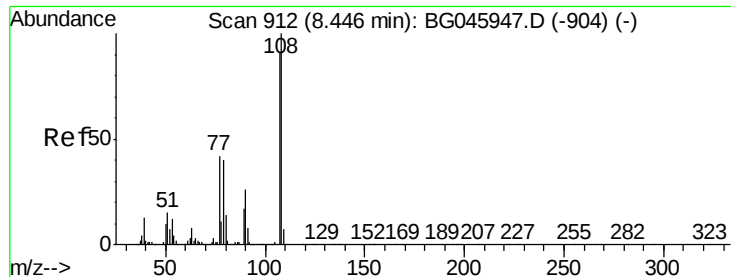
Tot Ion: 79 Resp: 85819
Ion Ratio Lower Upper
79 100
108 76.5 60.2 90.4
77 63.9 52.9 79.3



#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

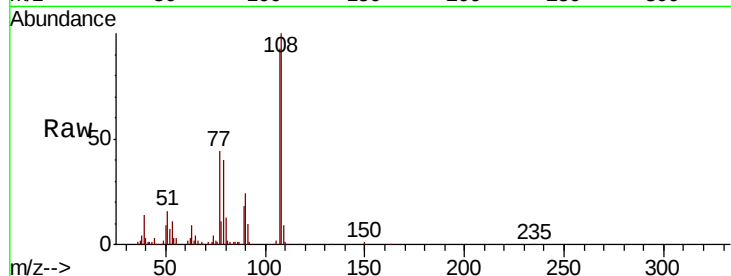




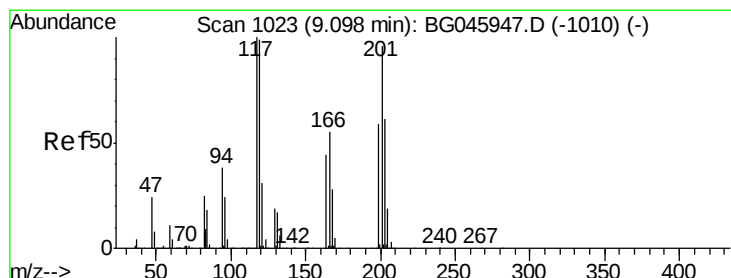
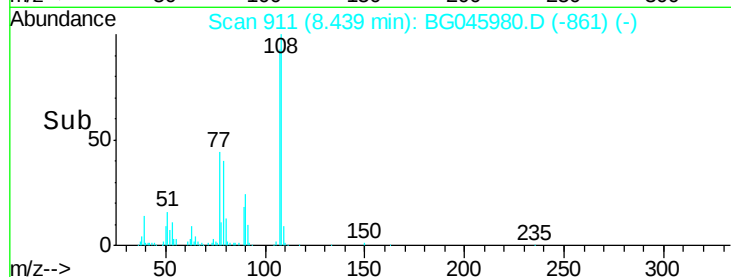
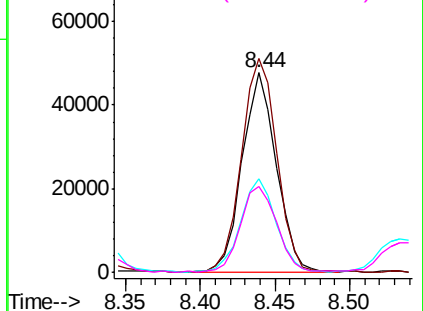
#17
2-Methylphenol
Concen: 8.347 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

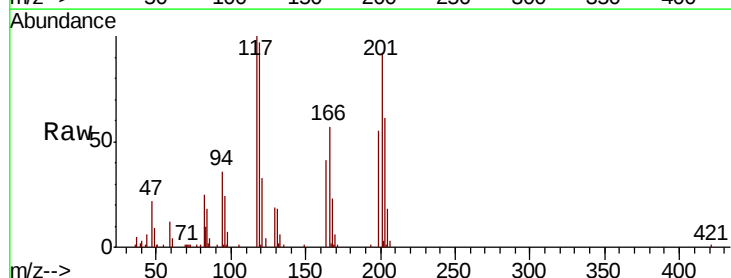


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

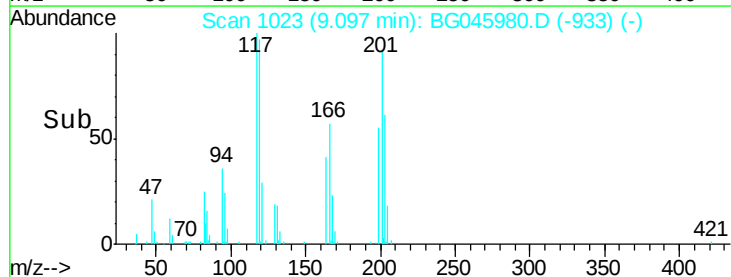
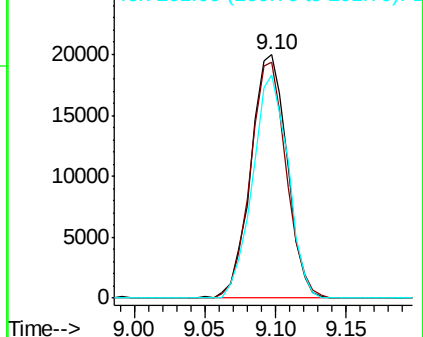


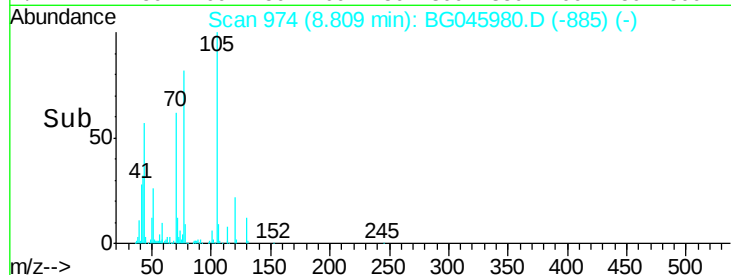
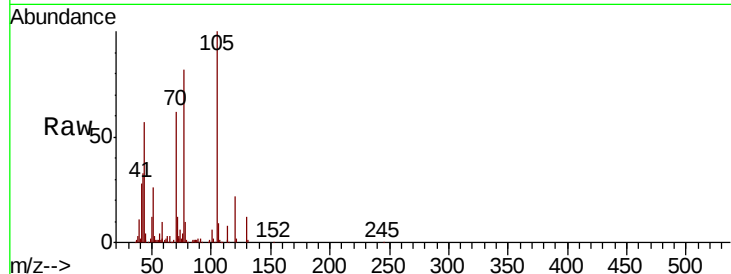
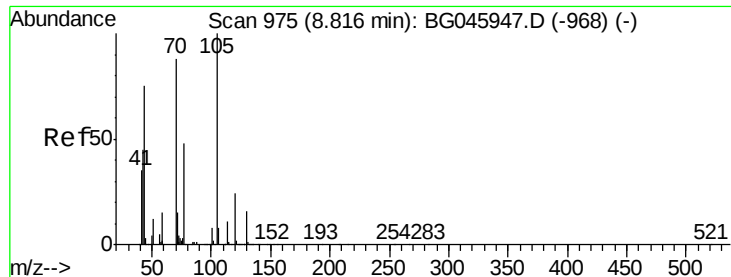
#18
Hexachloroethane
Concen: 9.148 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

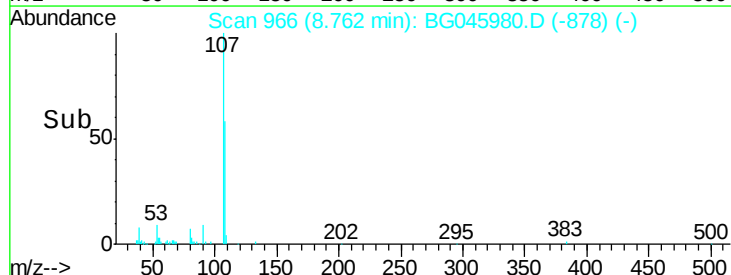
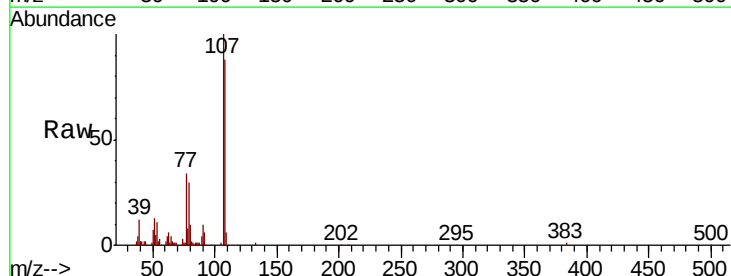
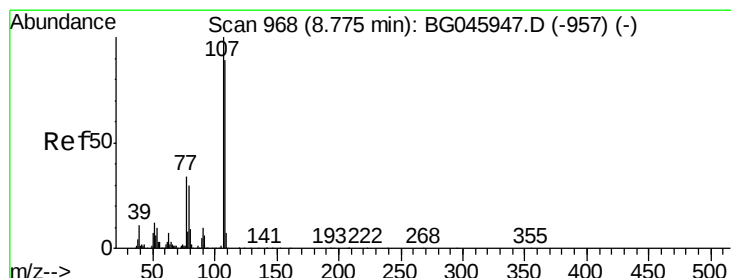
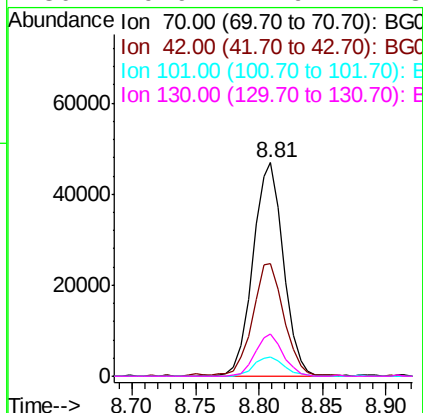




#19
n-Nitroso-di-n-propylamine
Concen: 9.302 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

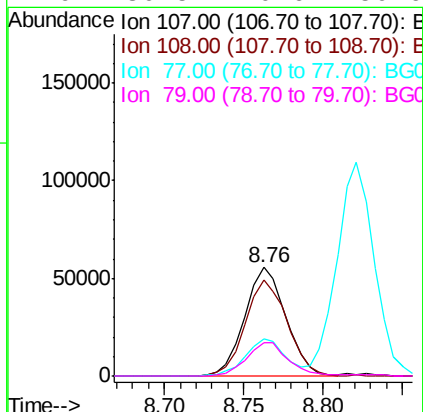
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

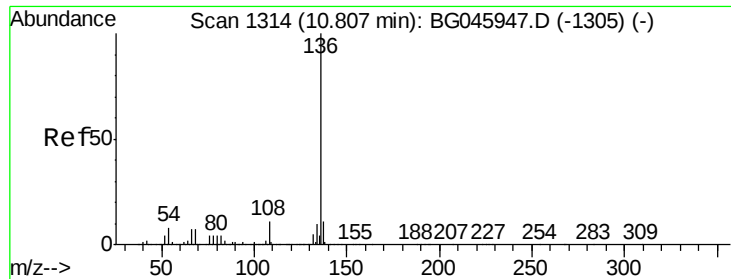
Tot Ion:	70	Resp:	78621
Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	9.2	7.1	10.7
130	19.9	14.9	22.3



#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

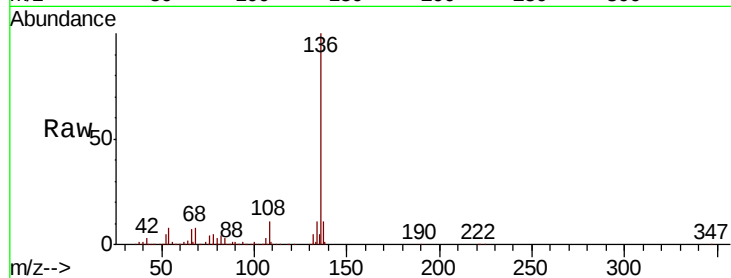




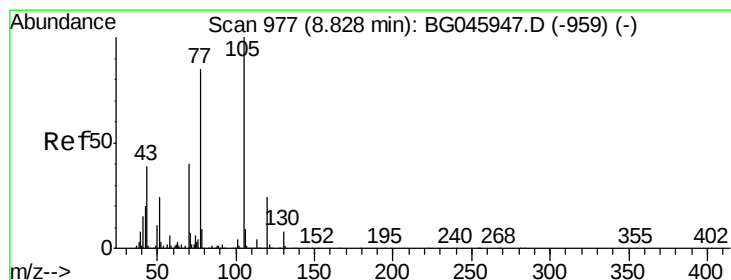
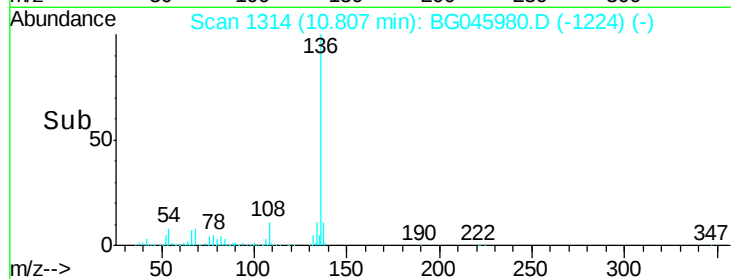
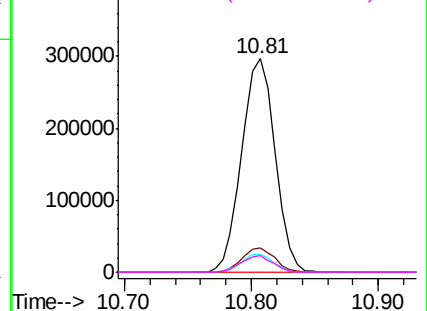
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

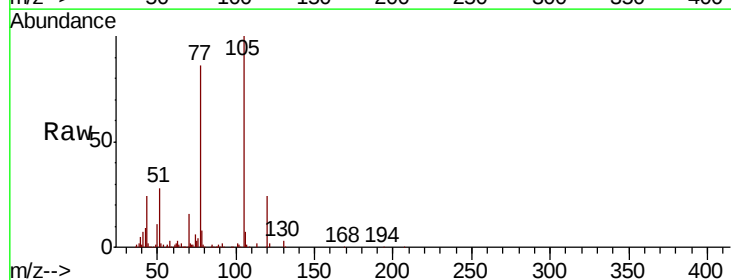


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

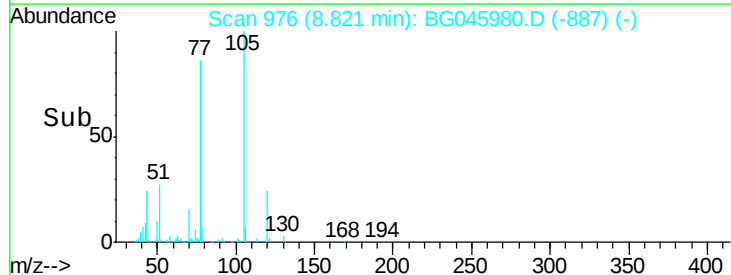
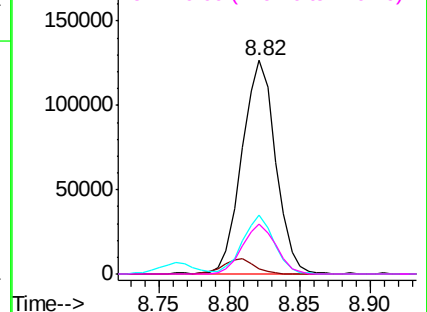


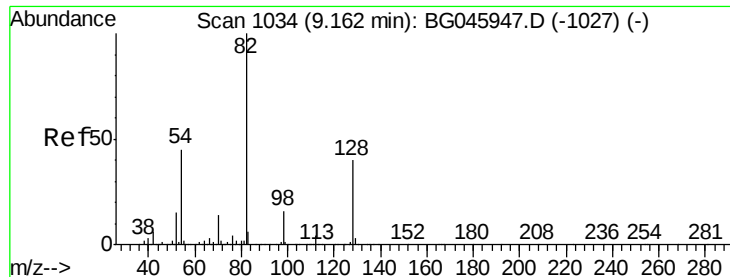
#22
Acetophenone
Concen: 14.632 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

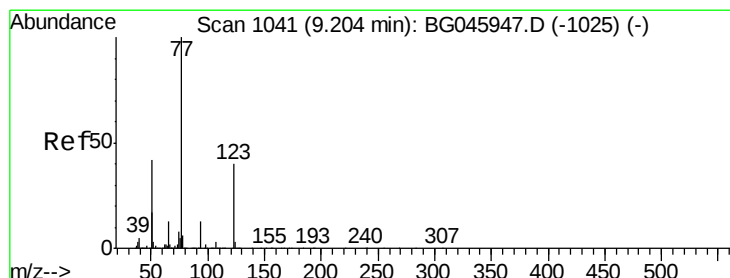
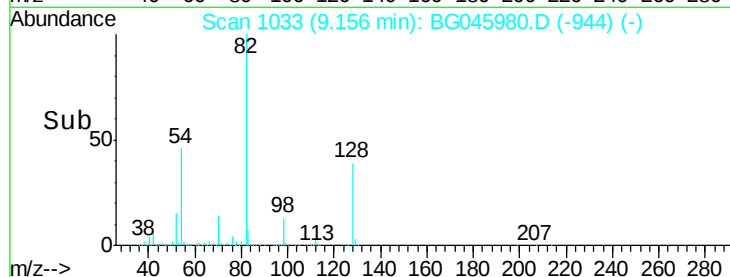
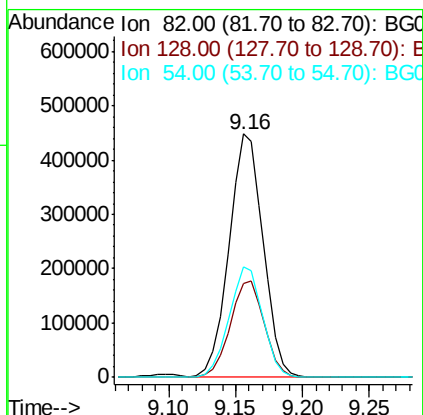
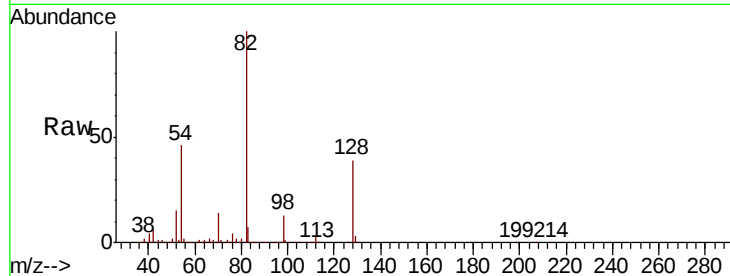




#23
 Nitrobenzene-d5
 Concen: 83.854 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

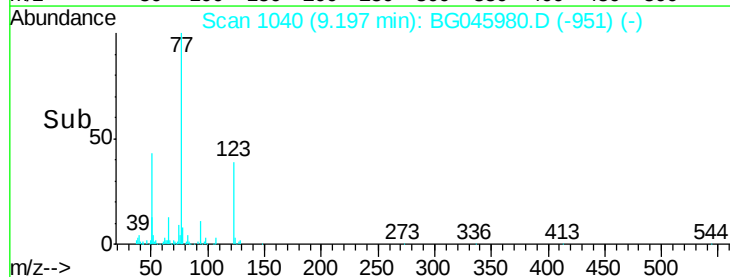
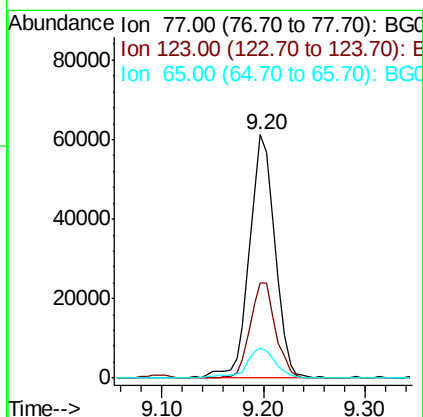
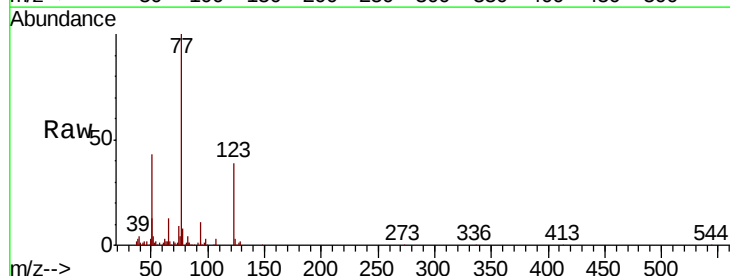
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

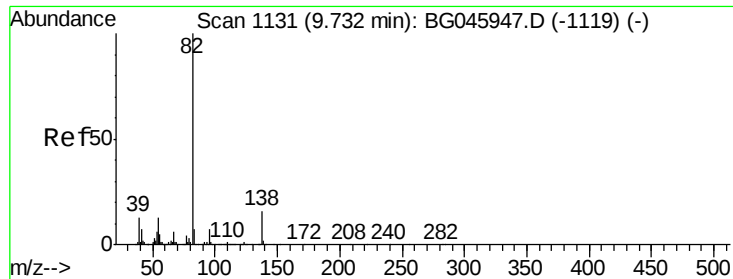
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.2	48.4
54	45.5	35.8	53.6



#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

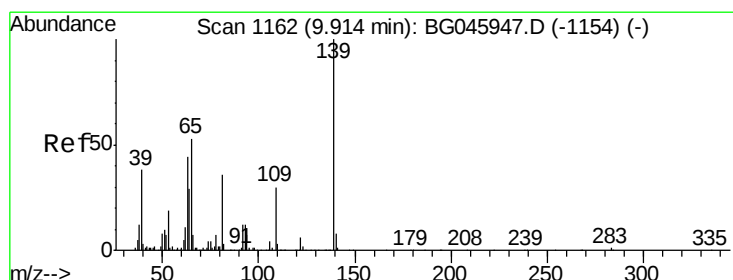
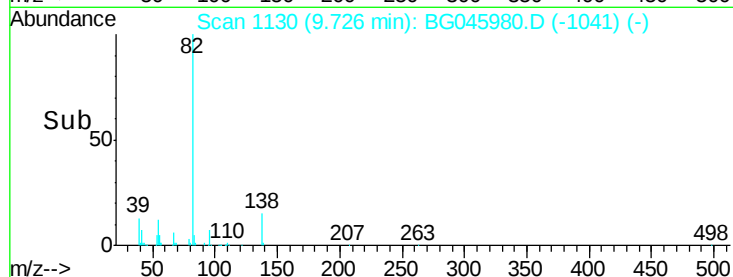
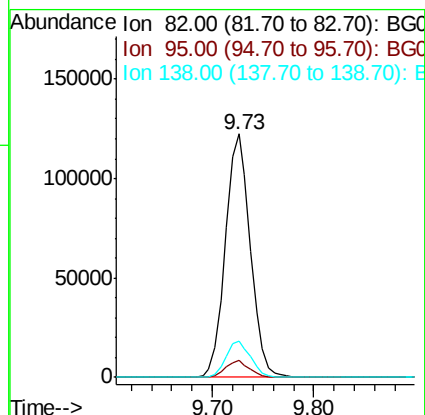
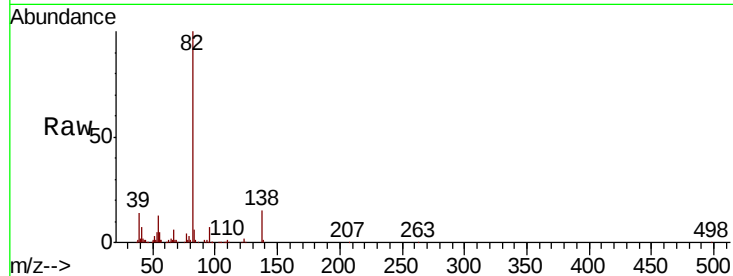




#25
Isophorone
Concen: 9.025 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

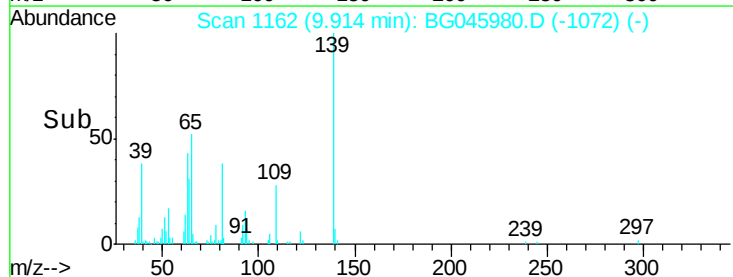
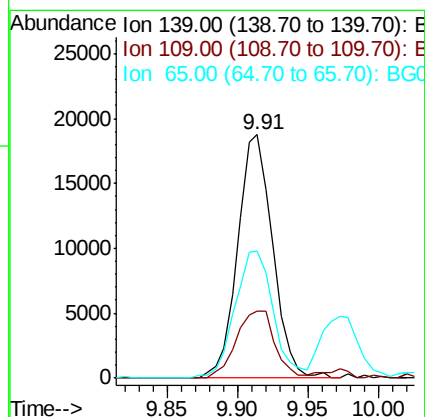
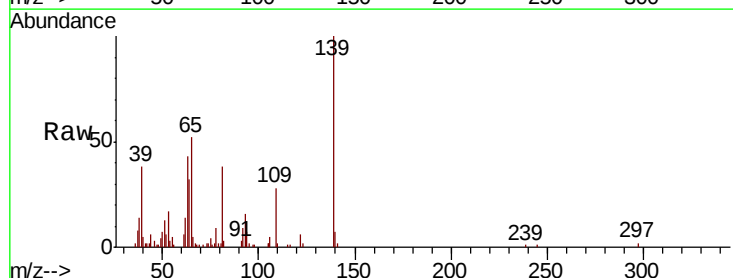
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

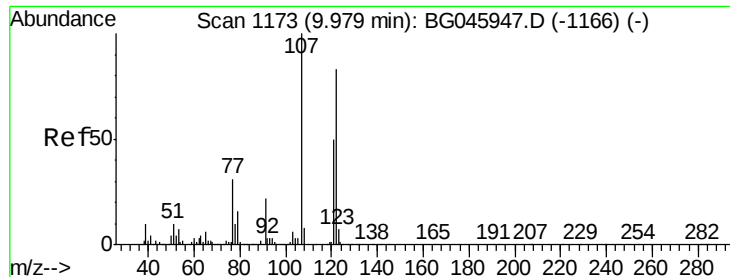
Tot Ion: 82 Resp: 208035
Ion Ratio Lower Upper
82 100
95 6.7 5.8 8.6
138 15.0 12.9 19.3



#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

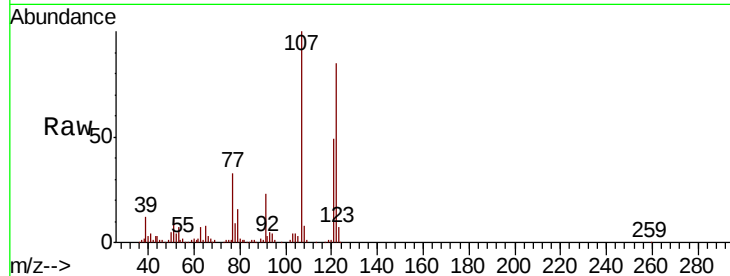




#27
2,4-Dimethylphenol
Concen: 9.502 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

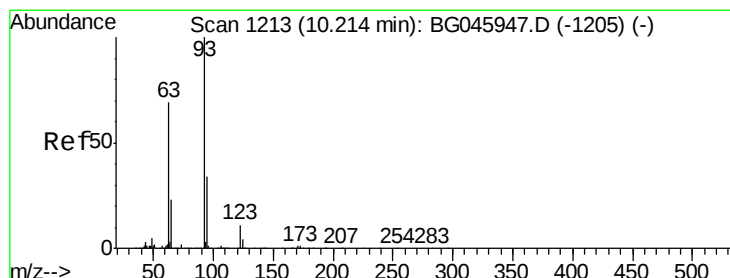
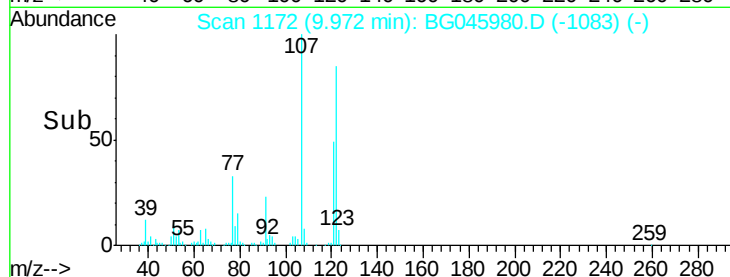
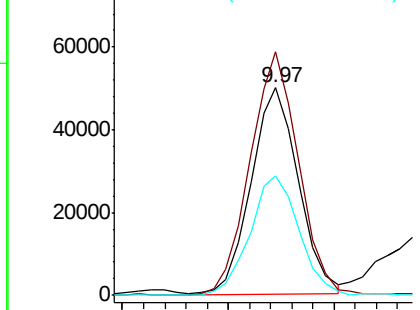


Abundance

Ion 122.00 (121.70 to 122.70): E

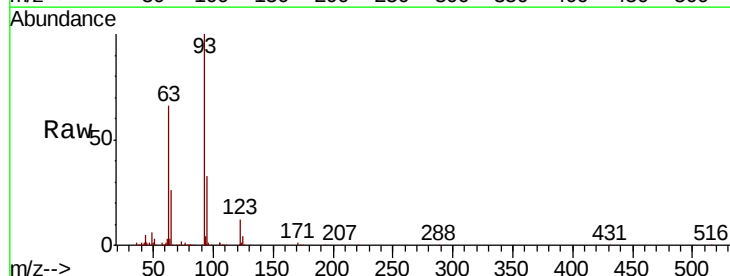
Ion 107.00 (106.70 to 107.70): E

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

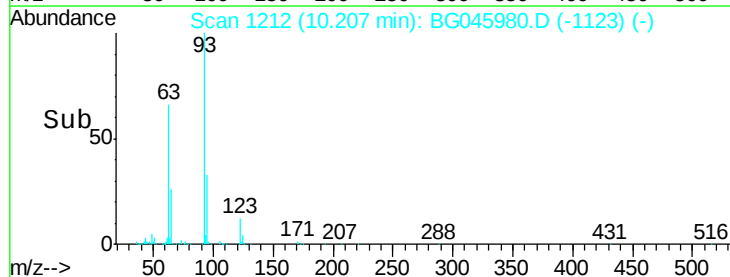
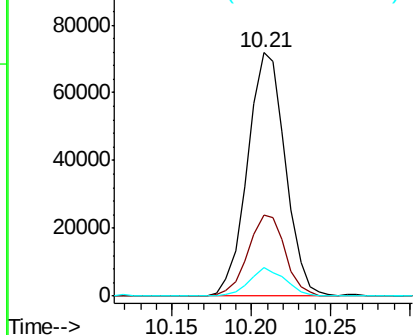


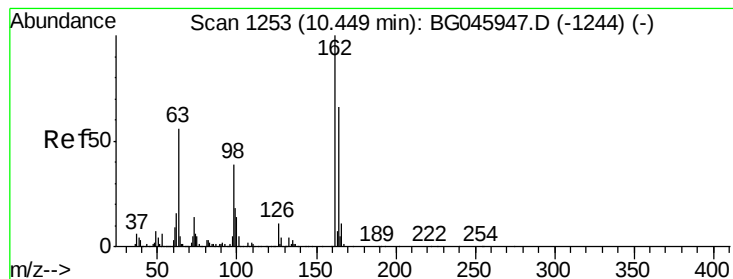
Abundance

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

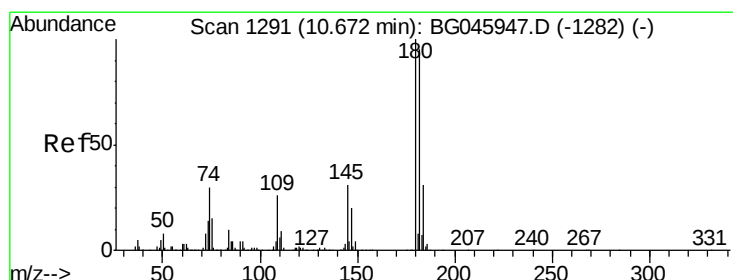
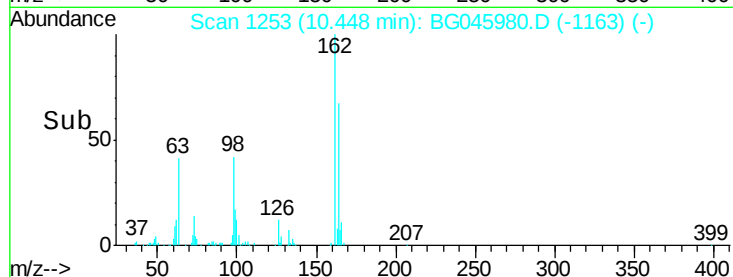
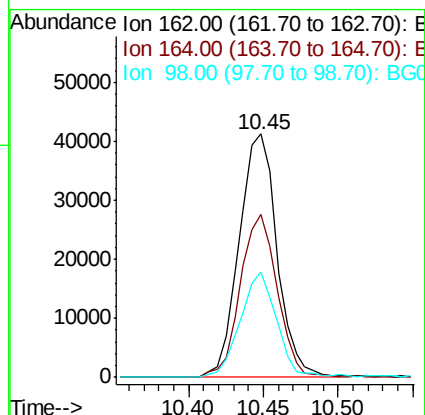
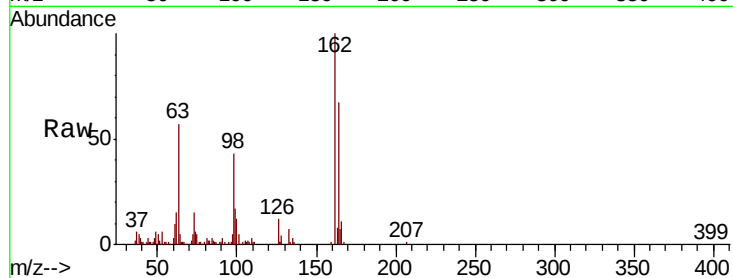
Tot Ion:162 Resp: 72471

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

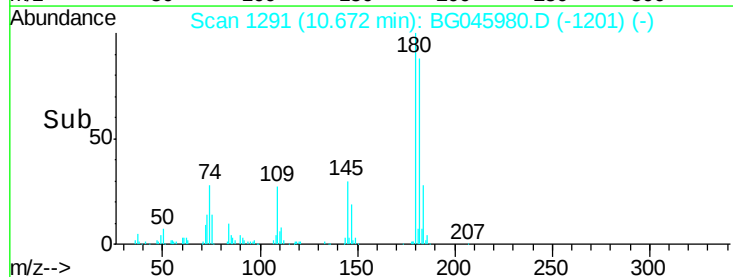
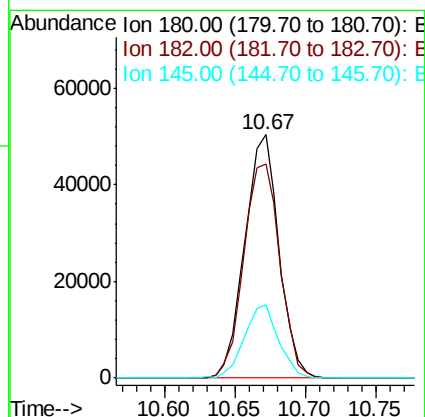
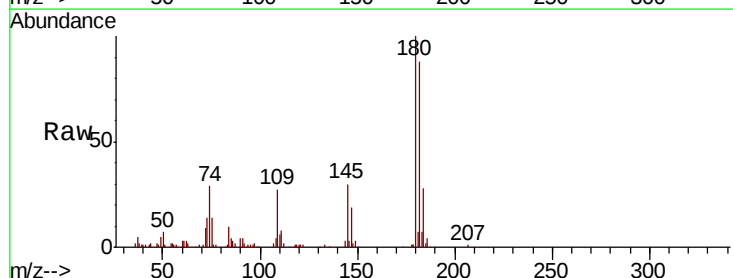
Tgt Ion:180 Resp: 85659

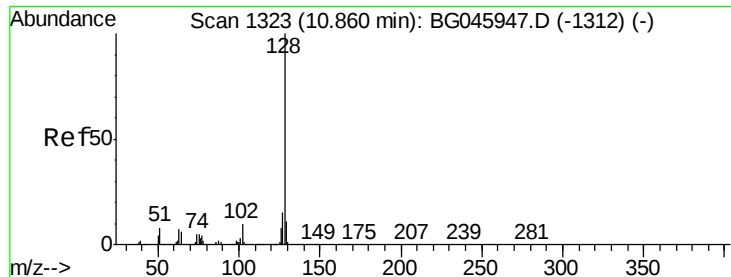
Ion Ratio Lower Upper

180 100

182 87.8 76.3 114.5

145 30.0 24.8 37.2

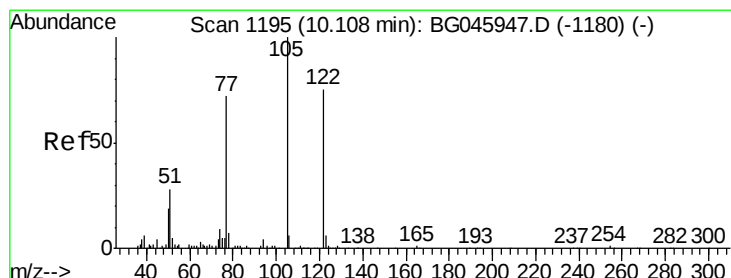
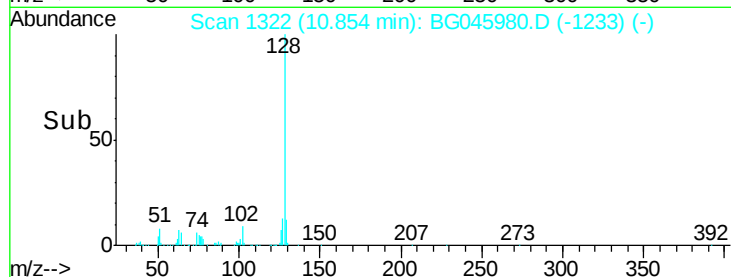
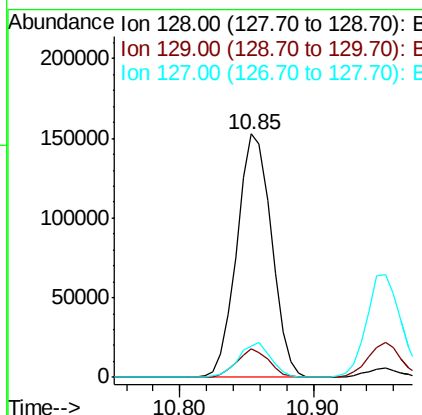
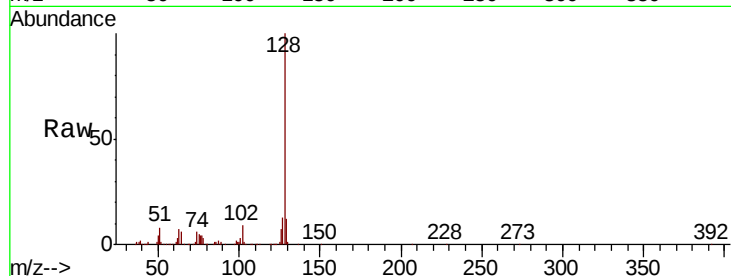




#31
Naphthalene
Concen: 9.399 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

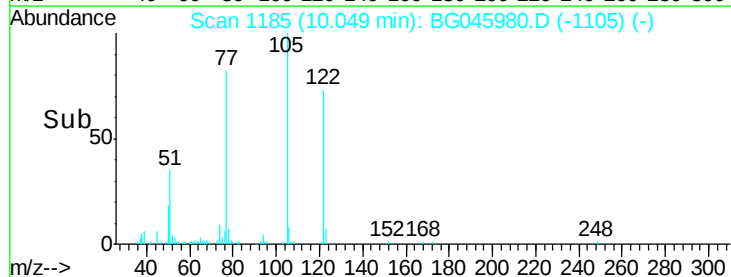
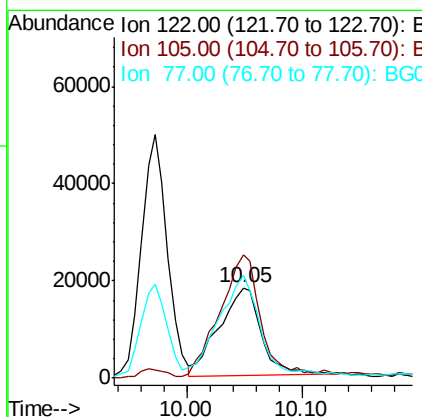
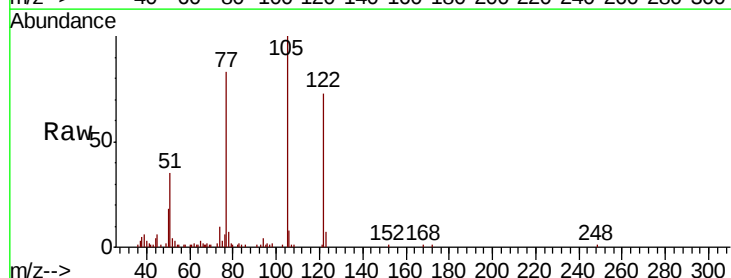
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

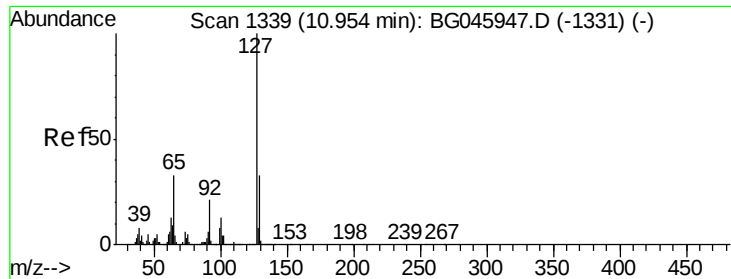
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.0	11.8	17.6



#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

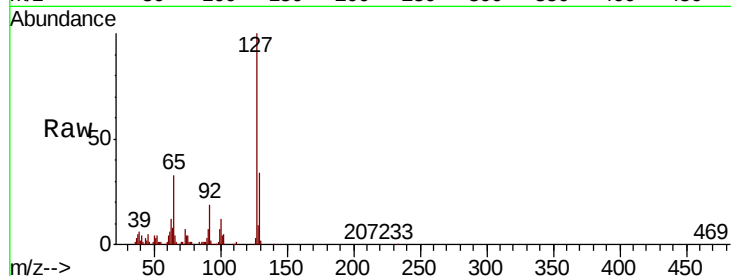




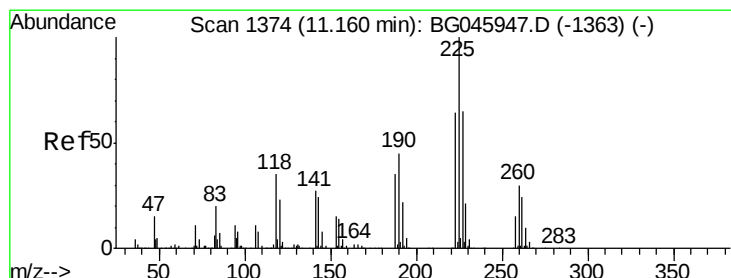
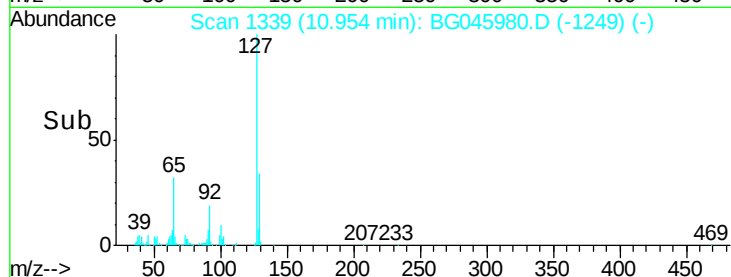
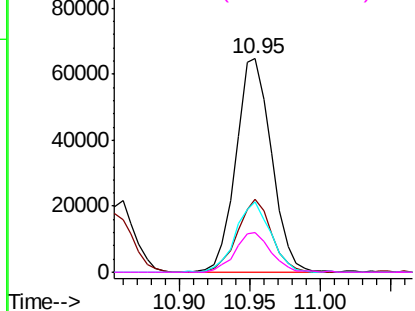
#33
4-Chloroaniline
Concen: 8.765 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

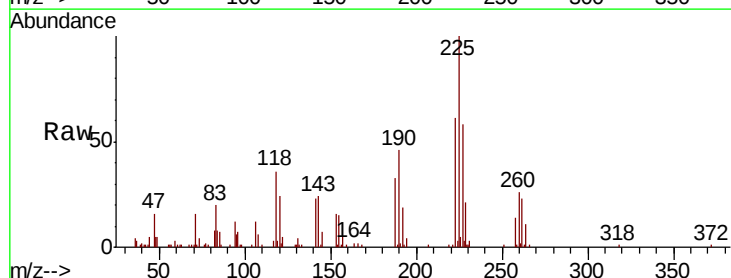


Abundance Ion 127.00 (126.70 to 127.70): E
100000
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

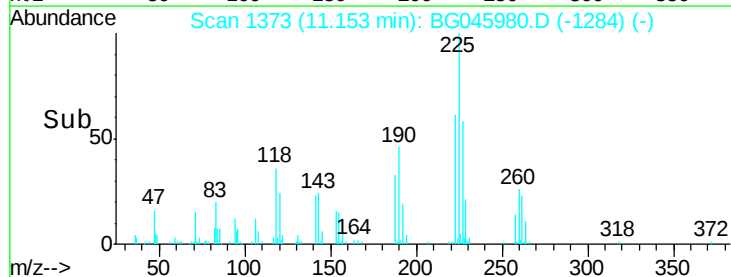
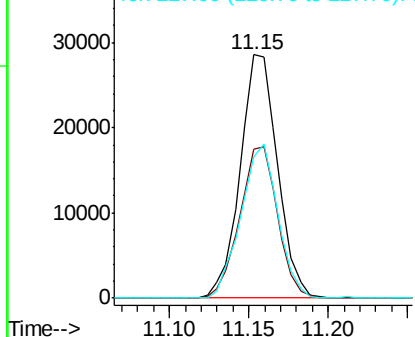


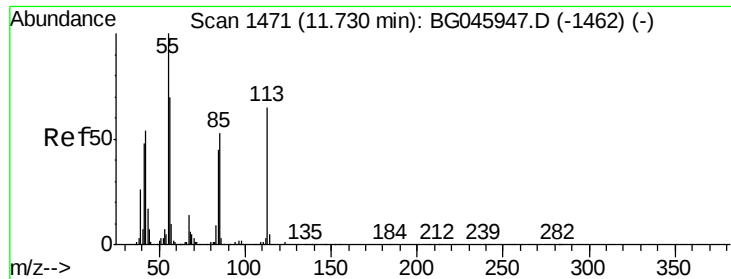
#34
Hexachlorobutadiene
Concen: 8.511 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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
Ion 227.00 (226.70 to 227.70): E





#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

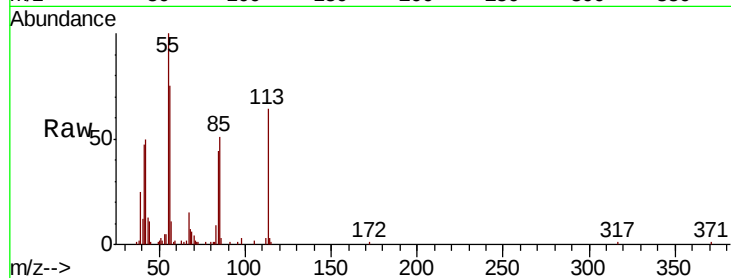
Tot Ion:113 Resp: 26183

Ion Ratio Lower Upper

113 100

55 156.3 141.6 181.6

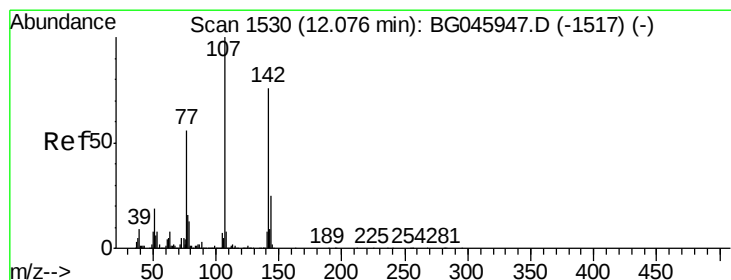
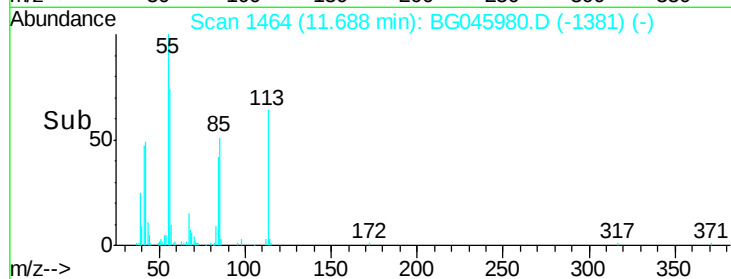
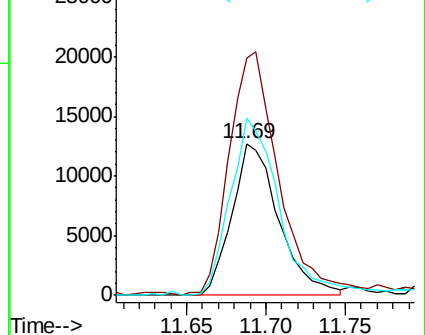
56 116.8 89.6 129.6



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

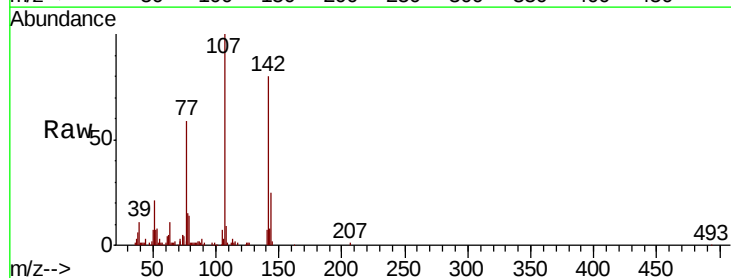
Tgt Ion:107 Resp: 84720

Ion Ratio Lower Upper

107 100

144 24.6 20.0 30.0

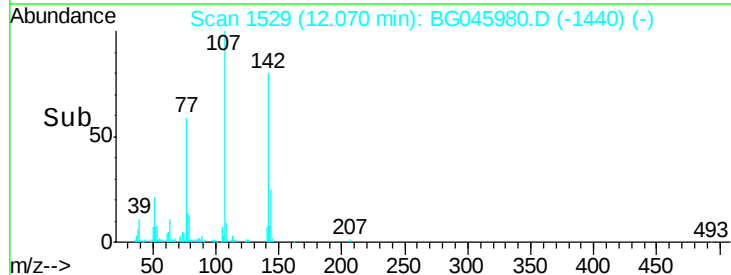
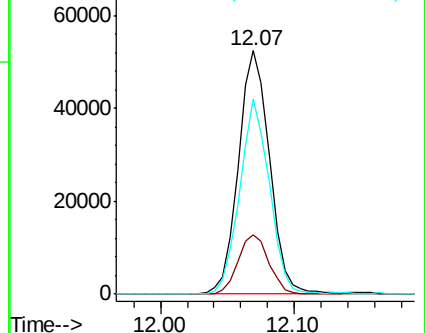
142 80.0 61.1 91.7

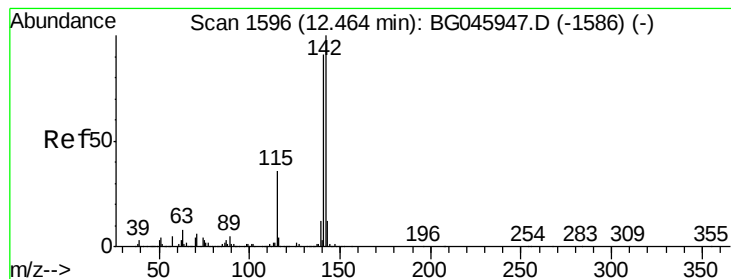


Abundance Ion 107.00 (106.70 to 107.70): E

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

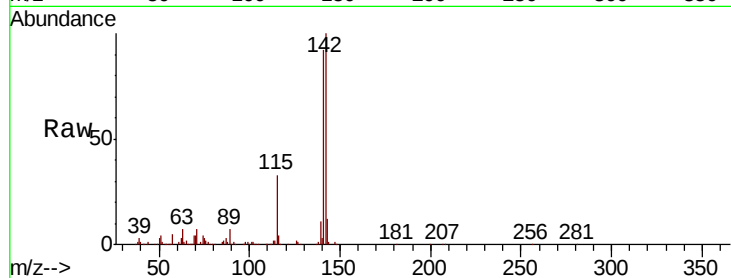
Tot Ion:142 Resp: 198151

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.6

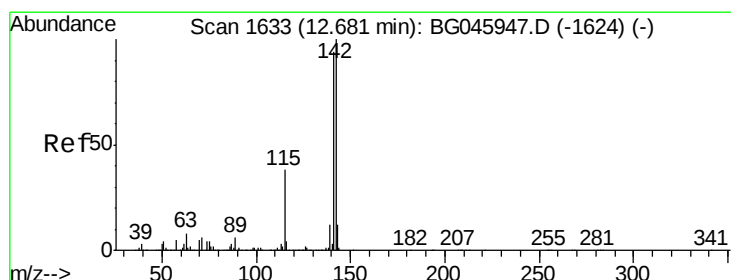
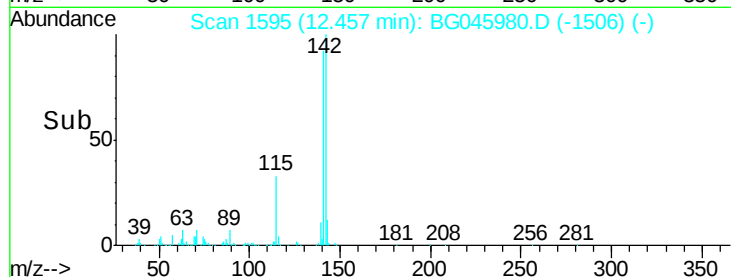
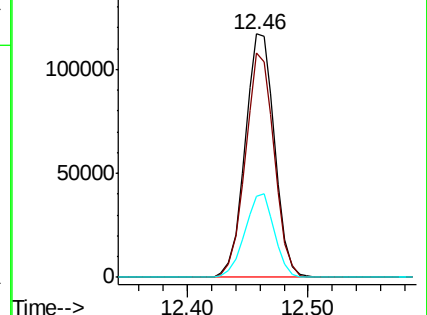
115 33.5 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 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

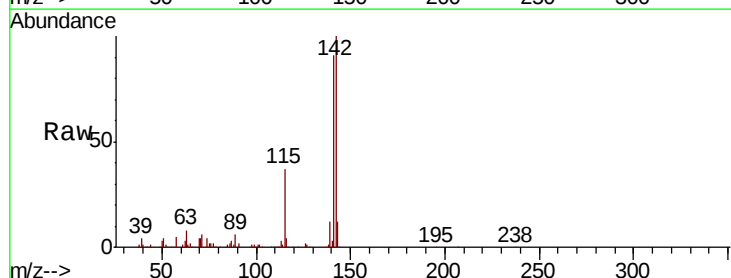
Tgt Ion:142 Resp: 183244

Ion Ratio Lower Upper

142 100

141 91.3 75.2 112.8

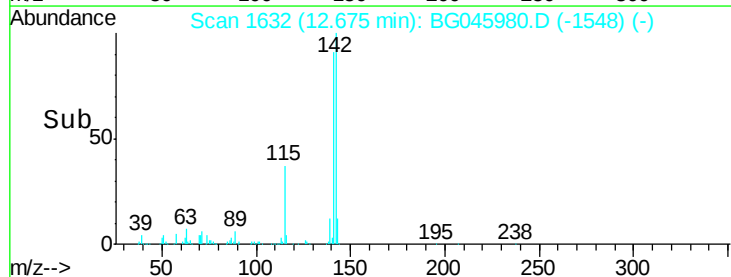
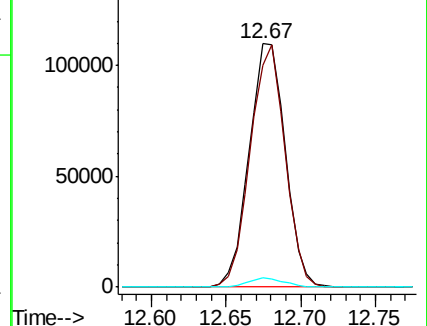
116 4.0 3.1 4.7

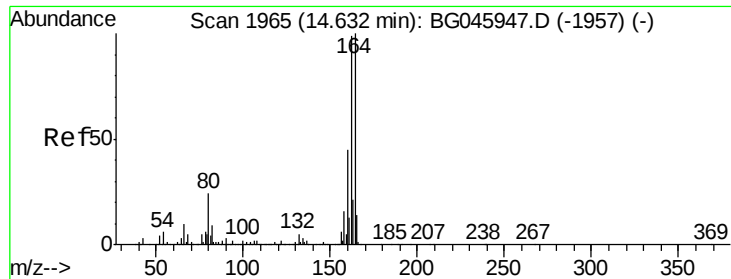


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 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

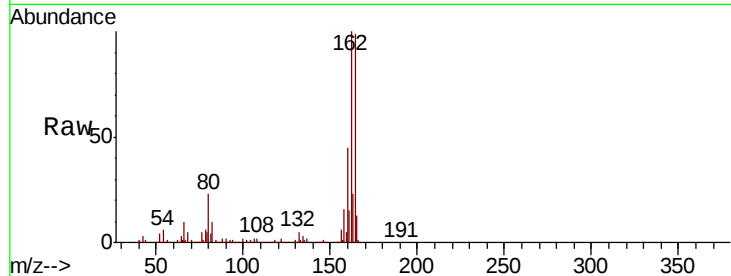
Tot Ion:164 Resp: 322615

Ion Ratio Lower Upper

164 100

162 101.3 79.3 118.9

160 46.1 35.7 53.5

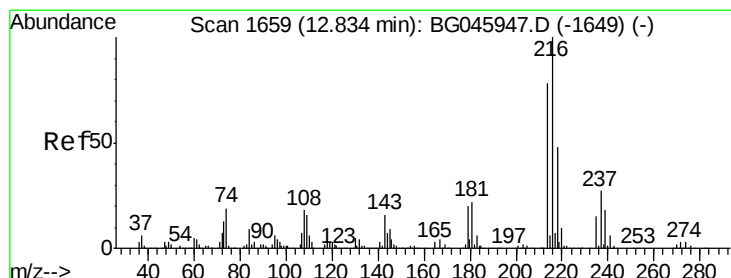
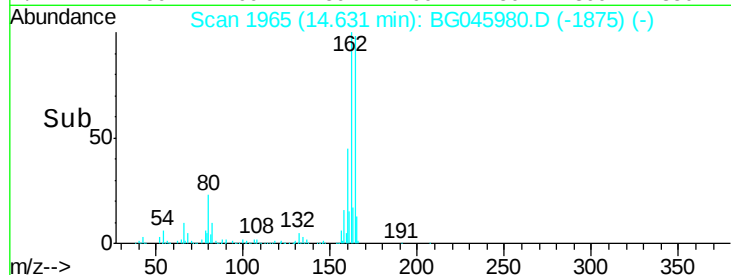
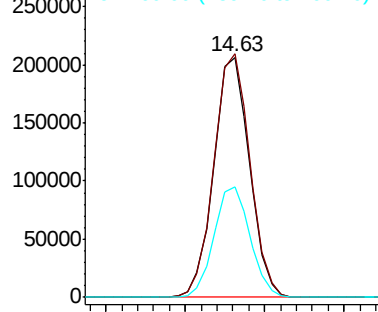


Abundance

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

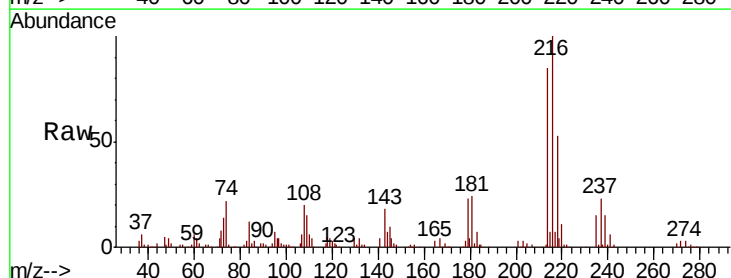
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.4

179 21.6 17.0 25.6

108 20.5 17.3 25.9



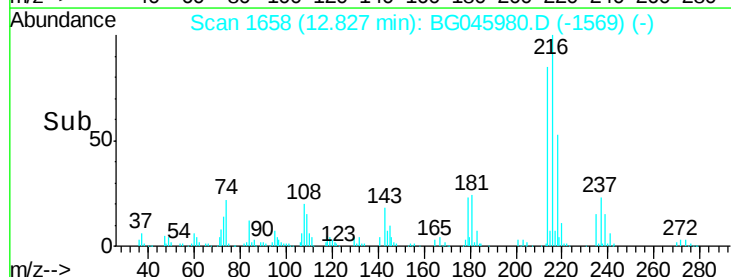
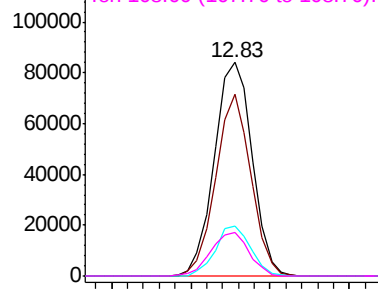
Abundance

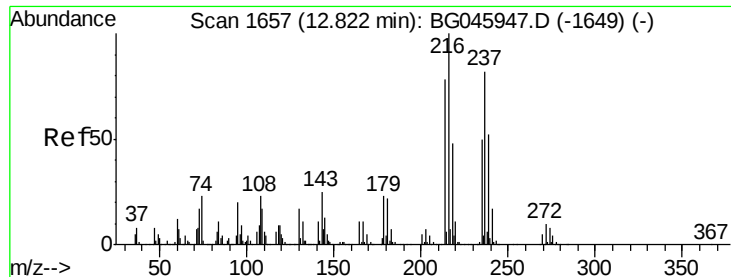
Ion 216.00 (215.70 to 216.70): E

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

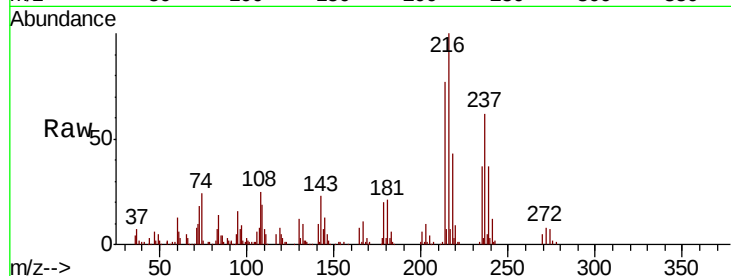
Tot Ion:237 Resp: 47674

Ion Ratio Lower Upper

237 100

235 60.1 41.5 81.5

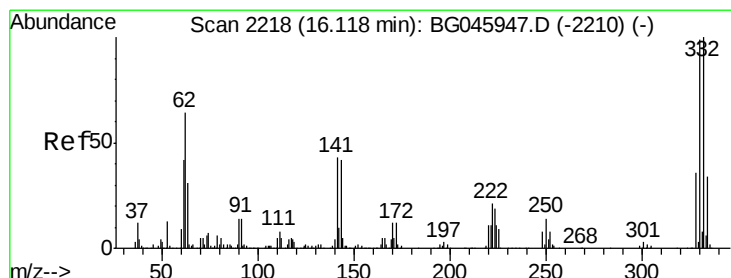
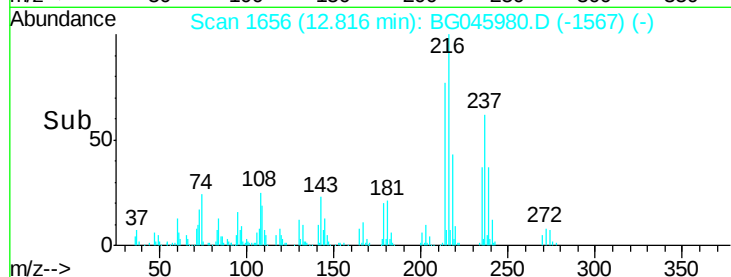
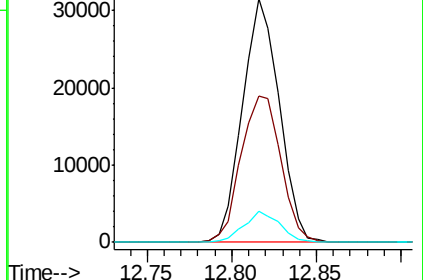
272 12.9 0.0 31.7



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

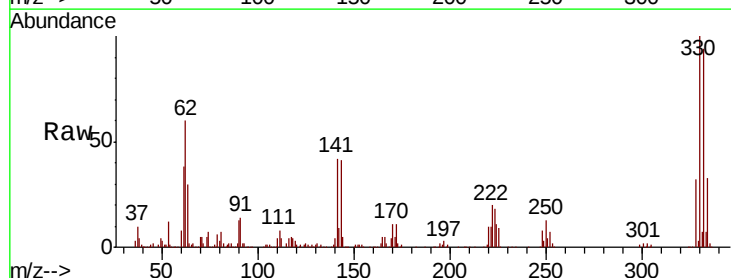
Tgt Ion:330 Resp: 297934

Ion Ratio Lower Upper

330 100

332 96.7 78.3 117.5

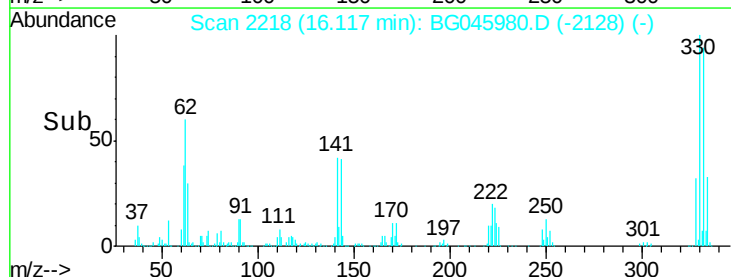
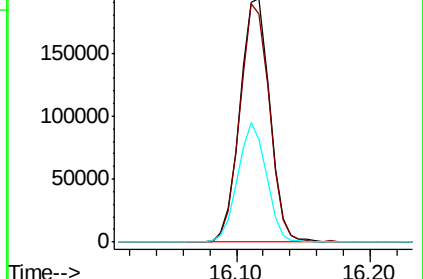
141 47.3 36.6 54.8

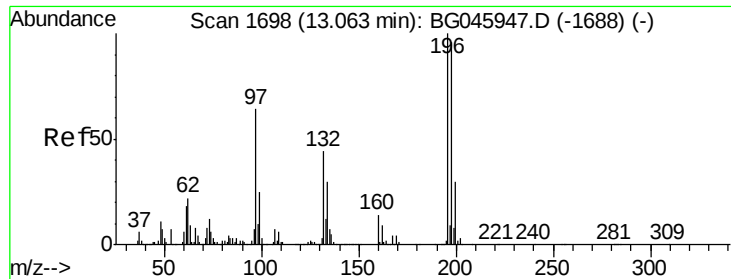


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

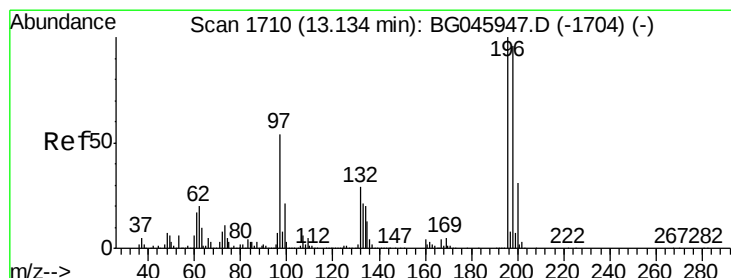
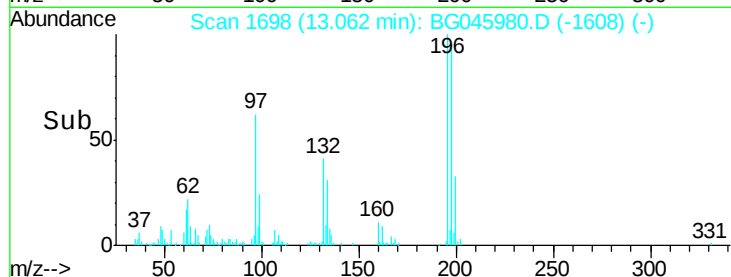
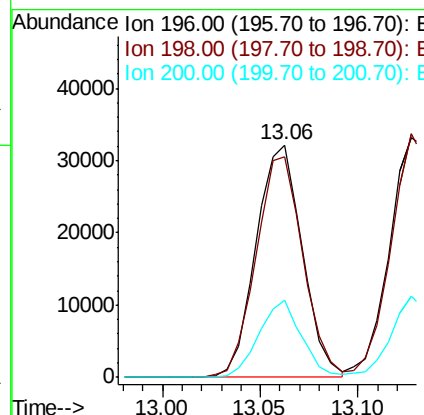
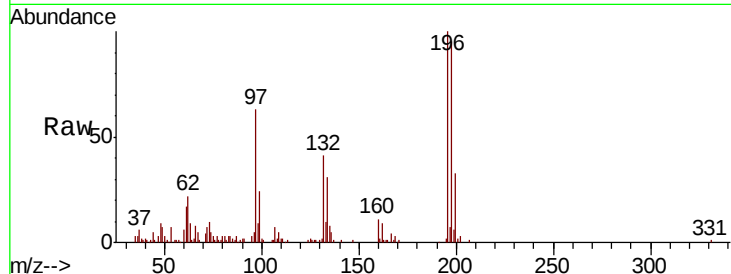




#43
 2,4,6-Trichlorophenol
 Concen: 8.578 ng
 RT: 13.06 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

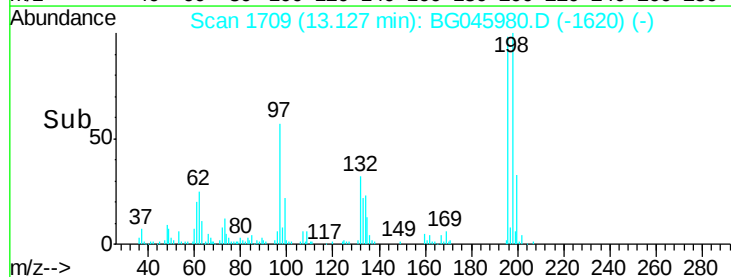
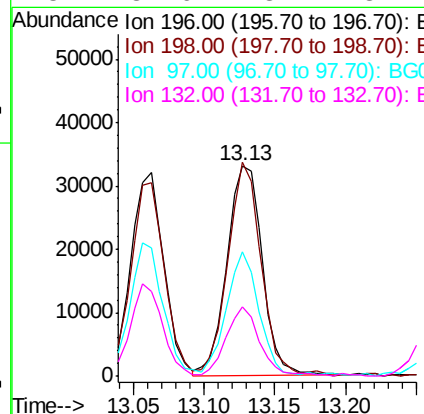
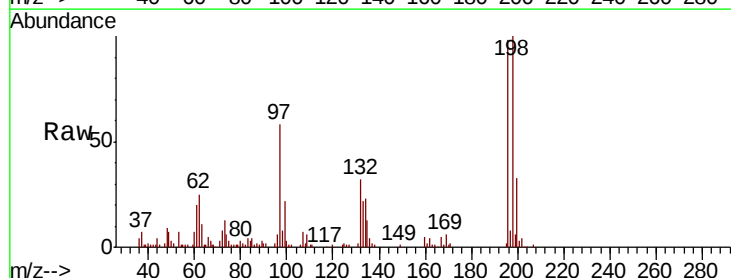
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

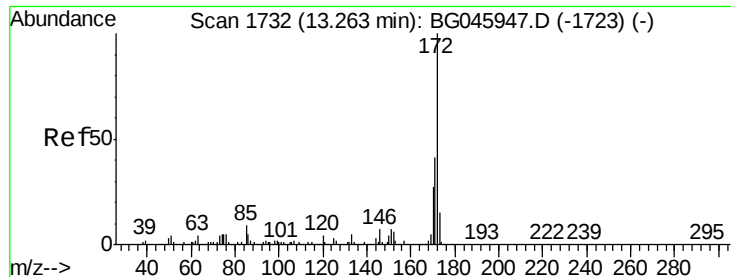
Tot Ion:196 Resp: 52756
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.7 115.1
 200 33.2 24.3 36.5



#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

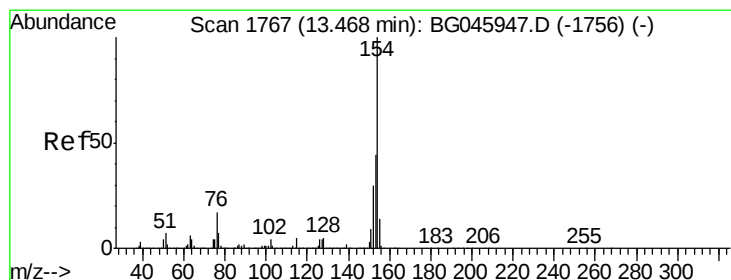
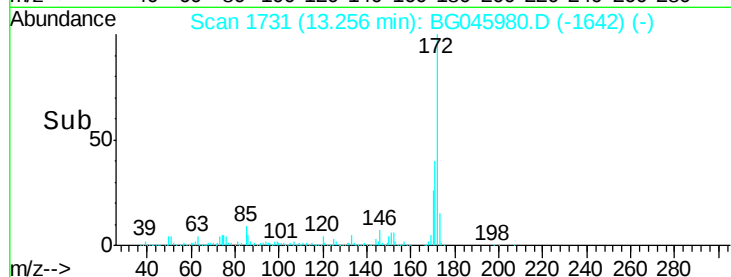
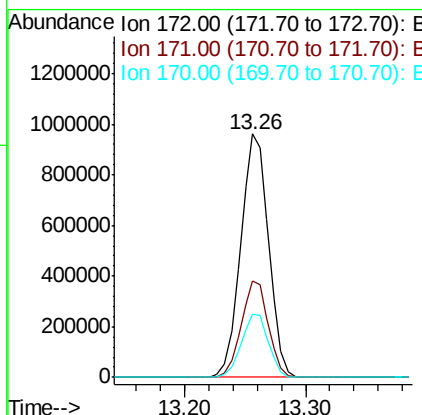
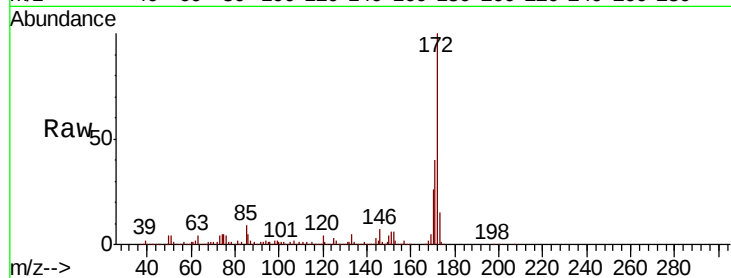




#45
2-Fluorobiphenyl
Concen: 74.176 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

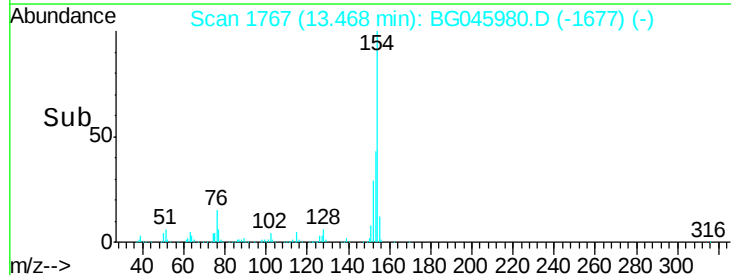
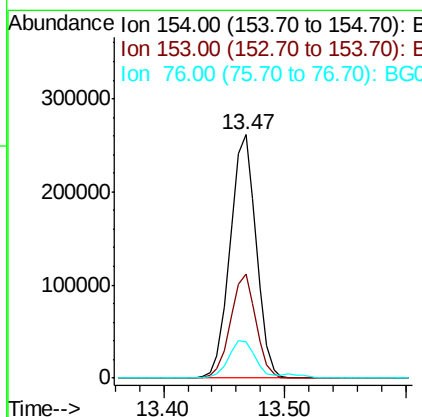
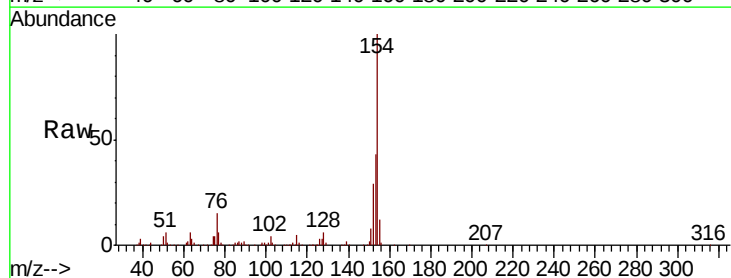
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

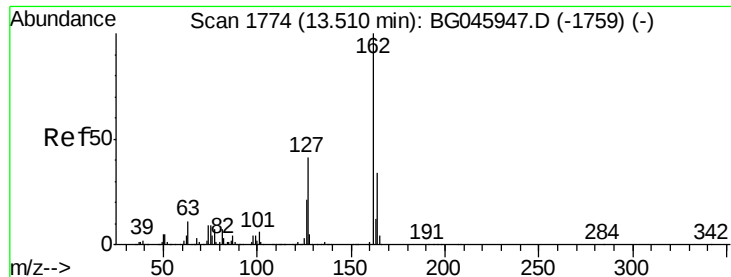
Tot Ion:172 Resp: 1534174
Ion Ratio Lower Upper
172 100
171 39.8 32.9 49.3
170 26.1 21.8 32.6



#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

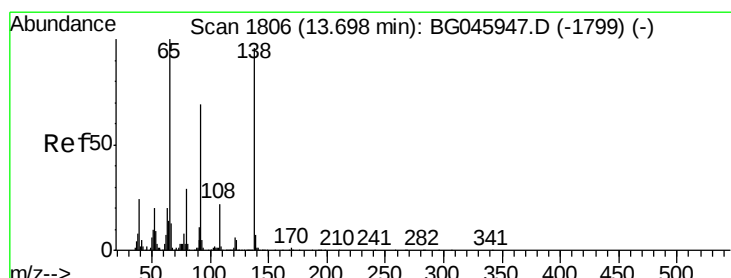
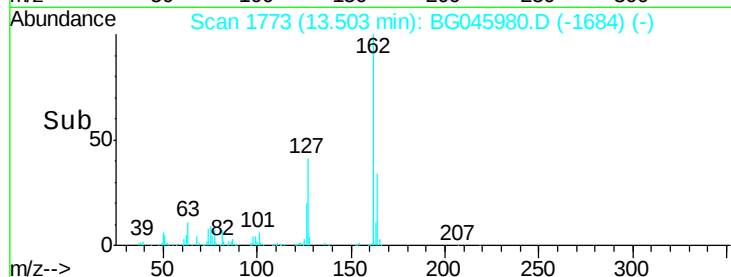
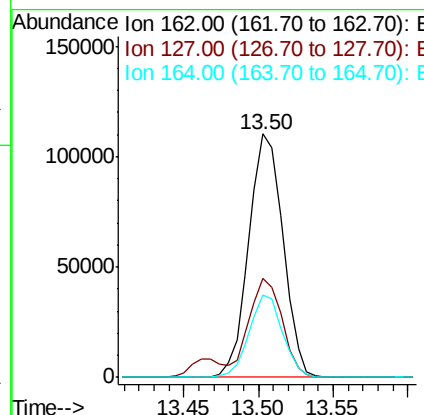
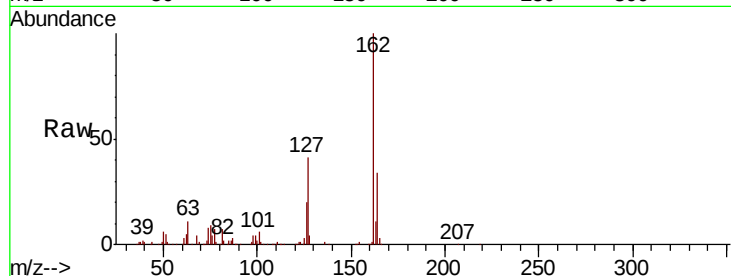




#47
2-Chloronaphthalene
Concen: 9.113 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

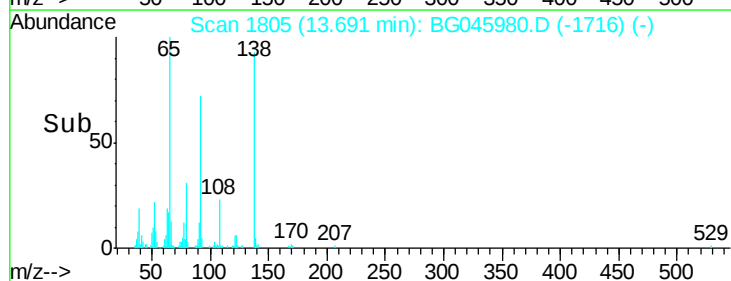
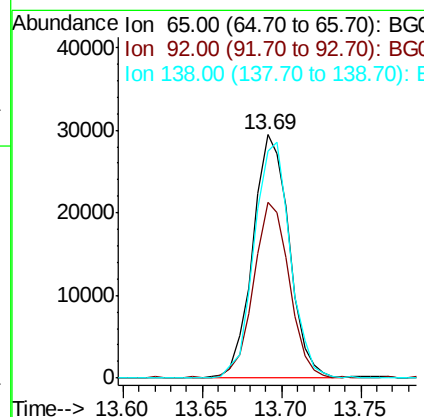
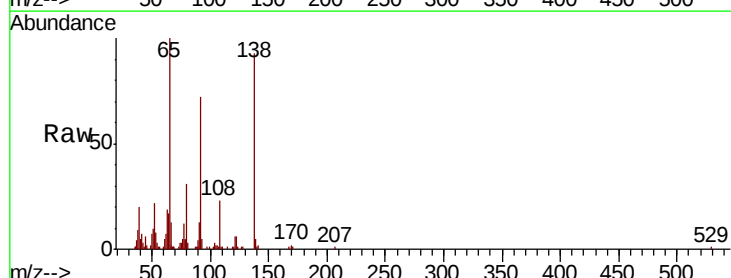
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

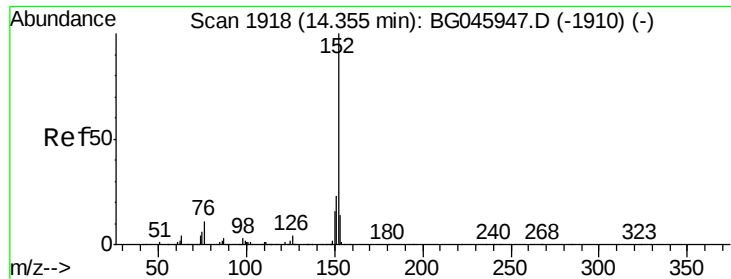
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.5	48.7
164	33.8	27.2	40.8



#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

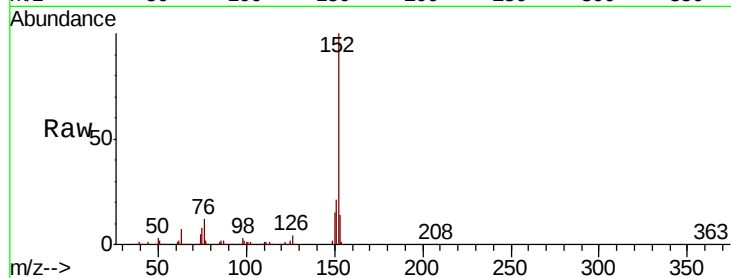
Tot Ion:152 Resp: 295893

Ion Ratio Lower Upper

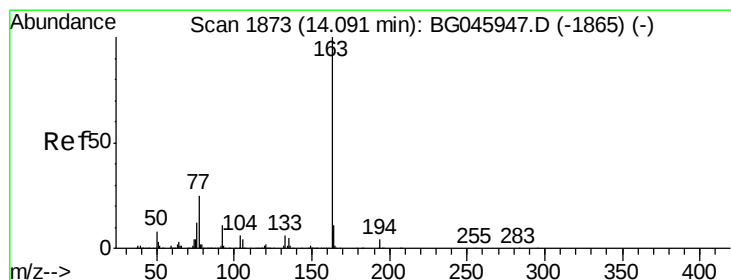
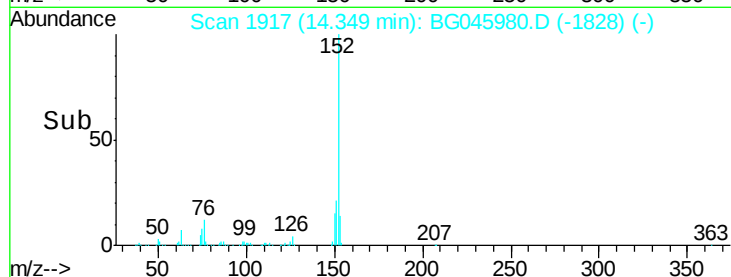
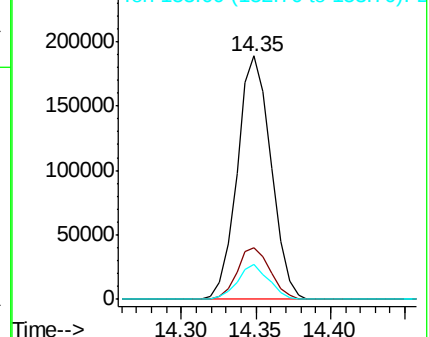
152 100

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

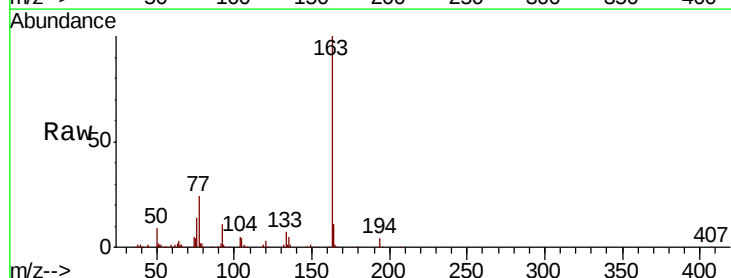
Tgt Ion:163 Resp: 216907

Ion Ratio Lower Upper

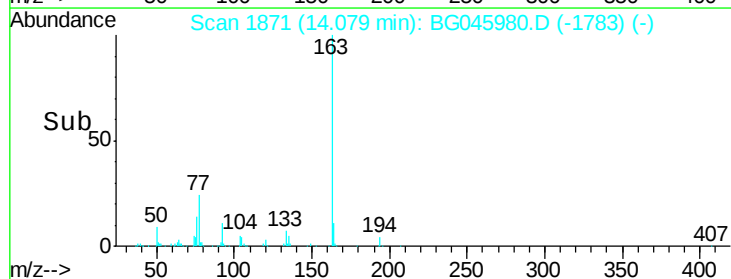
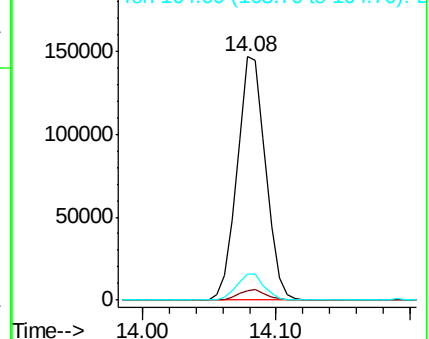
163 100

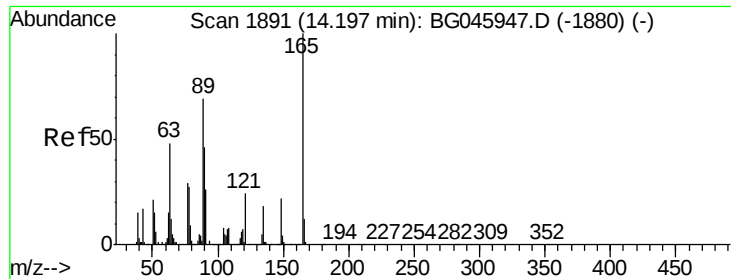
194 3.7 3.6 5.4

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

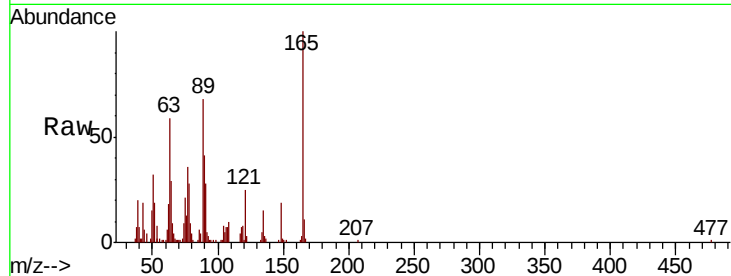
Tot Ion:165 Resp: 39416

Ion Ratio Lower Upper

165 100

63 59.3 51.0 76.4

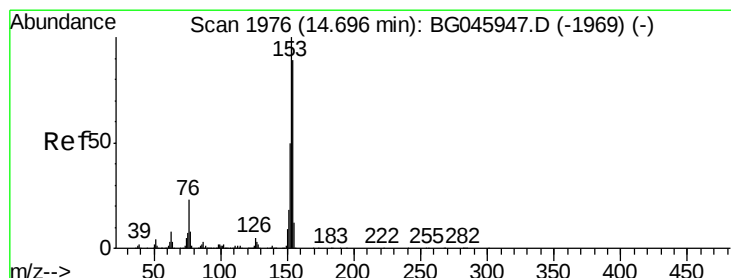
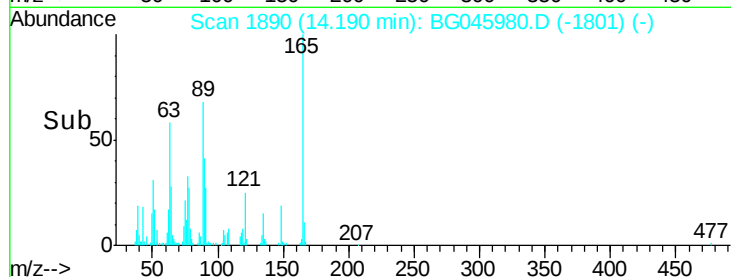
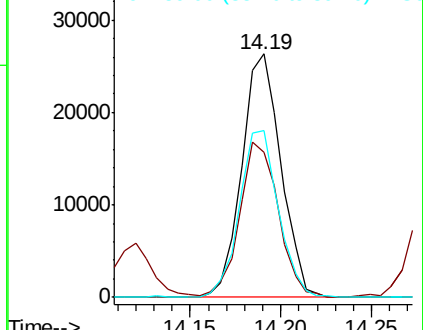
89 68.3 55.7 83.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#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

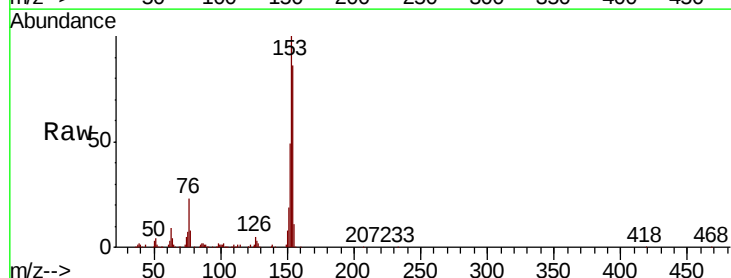
Tgt Ion:154 Resp: 175820

Ion Ratio Lower Upper

154 100

153 115.9 89.7 134.5

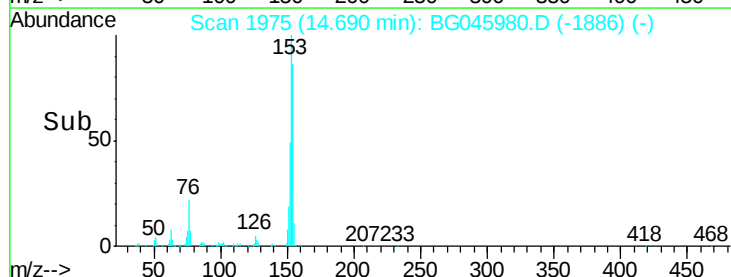
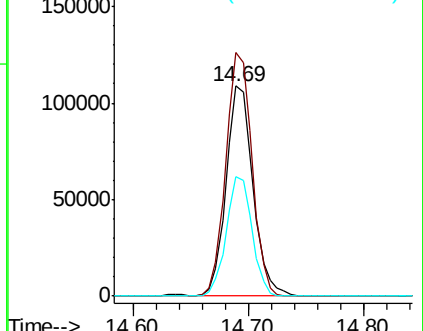
152 56.8 44.7 67.1

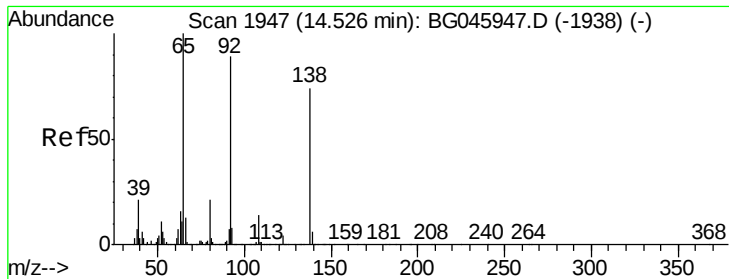


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

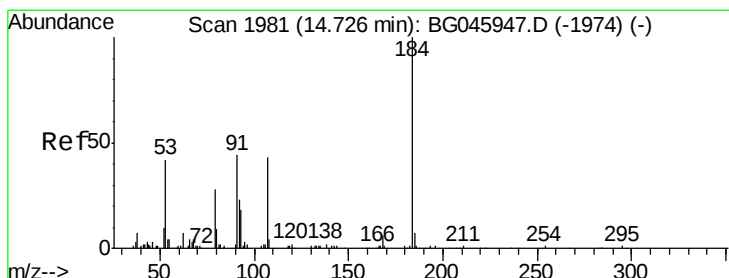
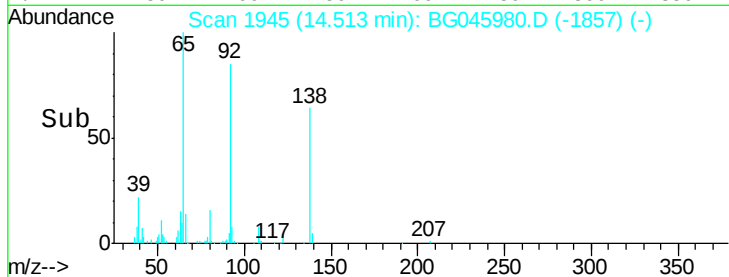
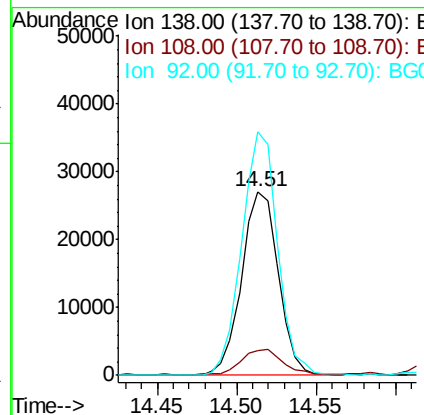
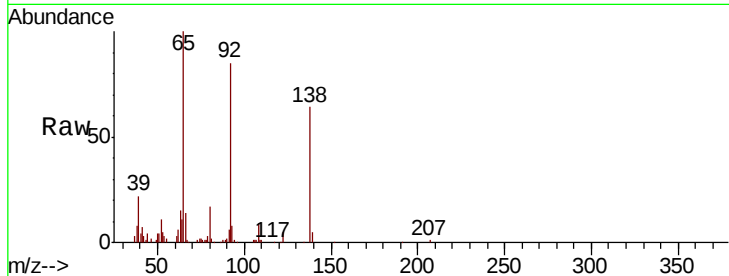




#53
3-Nitroaniline
Concen: 9.371 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

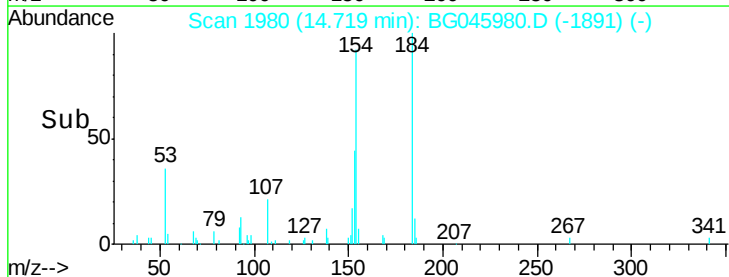
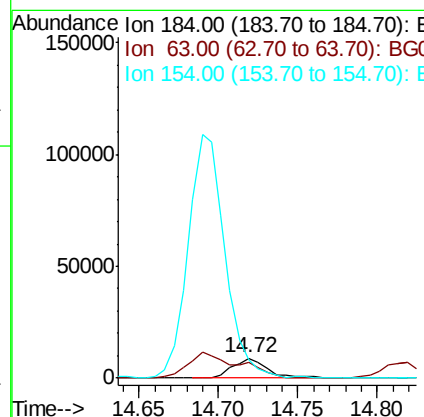
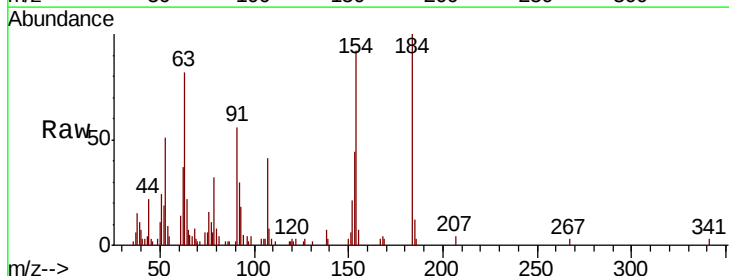
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

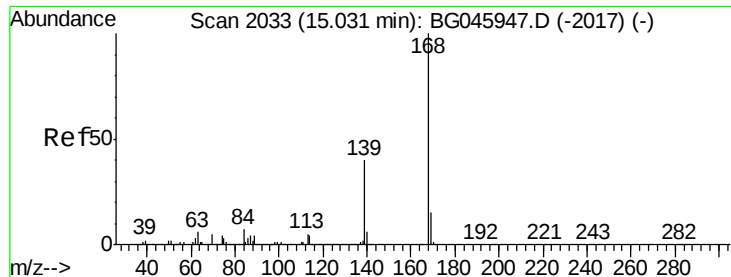
Tot Ion:138 Resp: 43625
Ion Ratio Lower Upper
138 100
108 13.7 15.4 23.2#
92 132.6 95.9 143.9



#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#

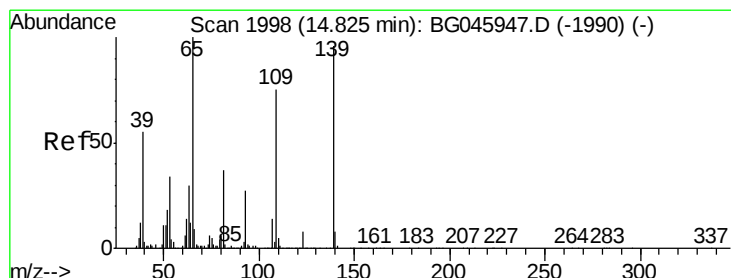
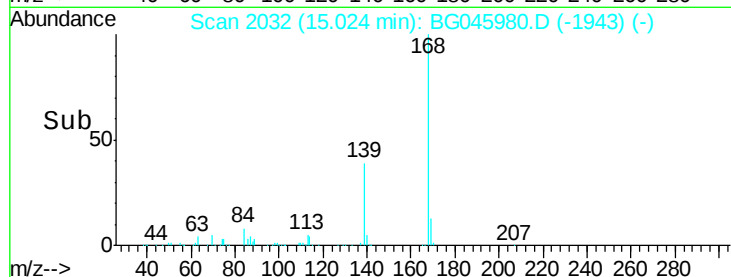
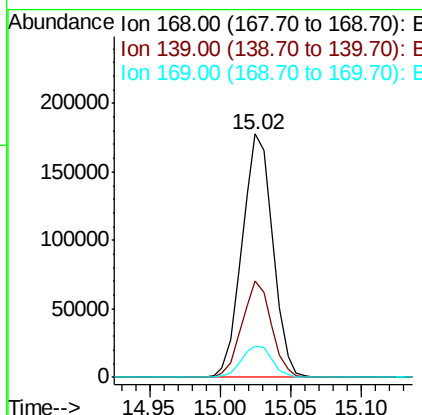
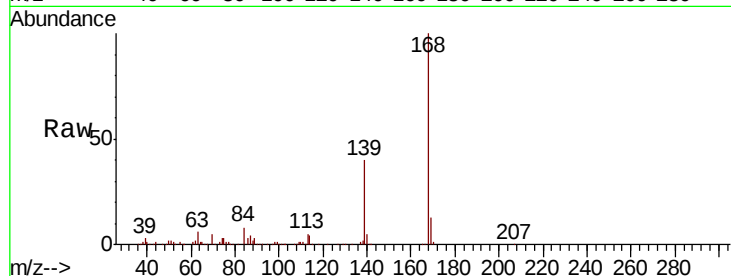




#55
Dibenzofuran
Concen: 9.449 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

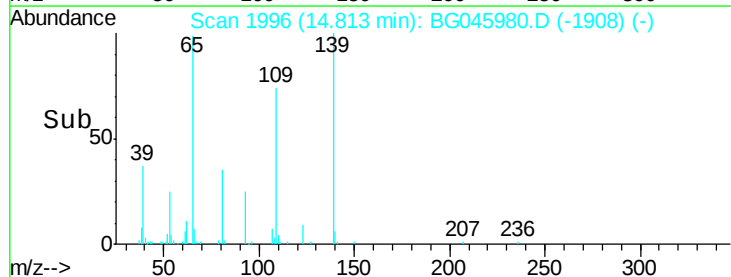
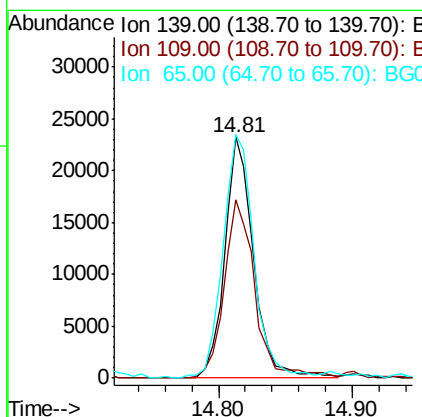
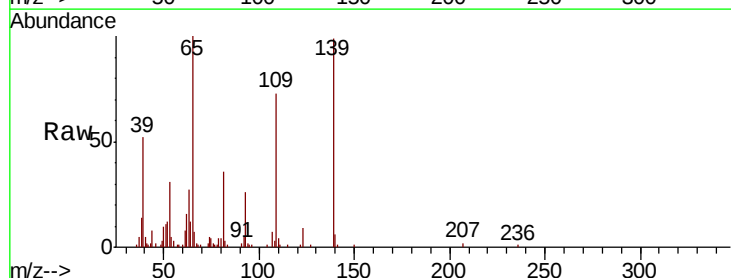
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

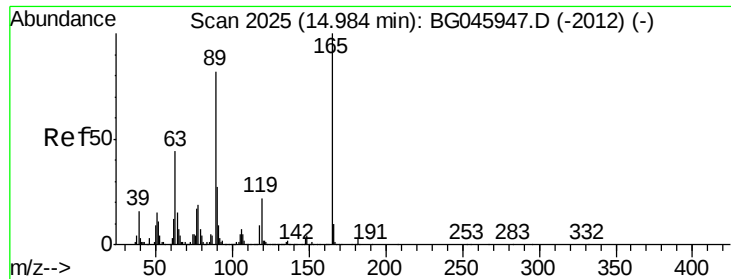
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	32.2	48.2
169	12.9	11.8	17.8



#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	Ratio	Lower	Upper
139	100		
109	73.9	58.5	98.5
65	101.1	84.7	124.7

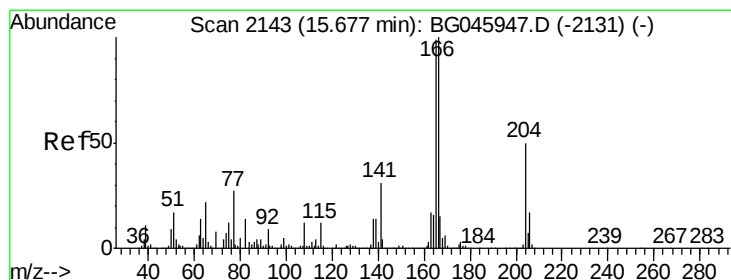
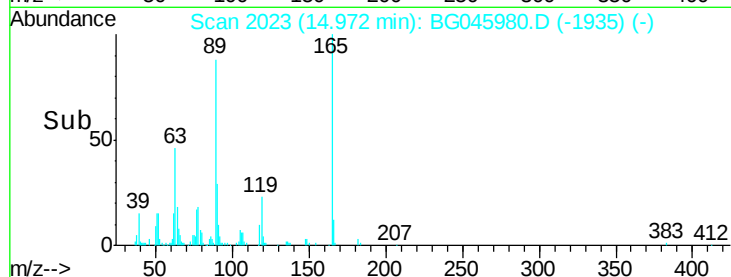
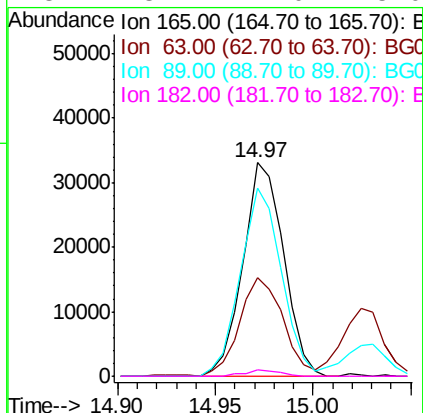
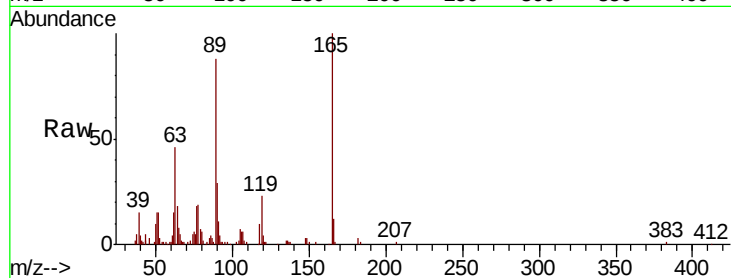




#57
 2,4-Dinitrotoluene
 Concen: 10.302 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

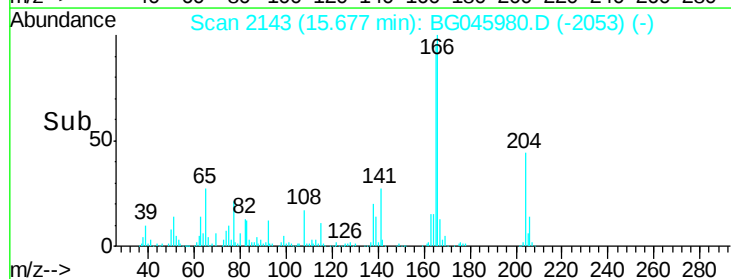
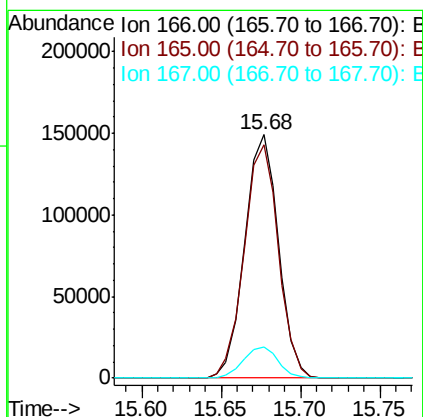
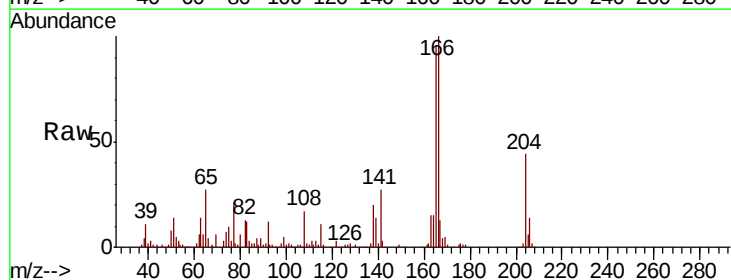
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

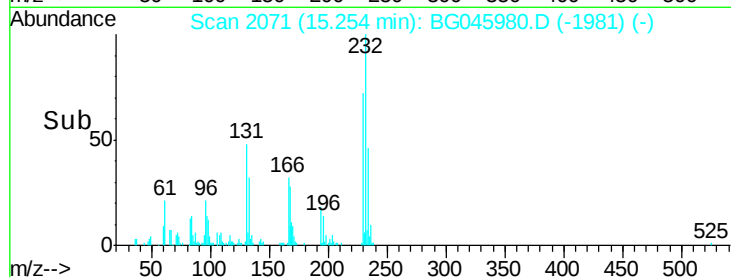
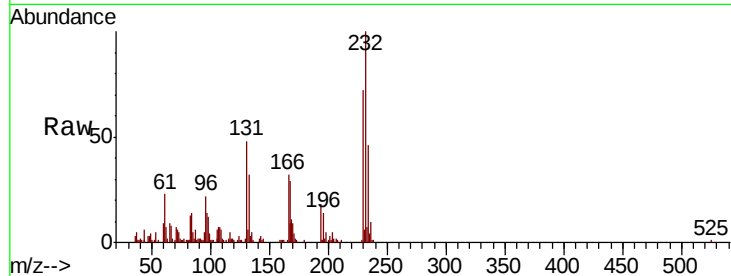
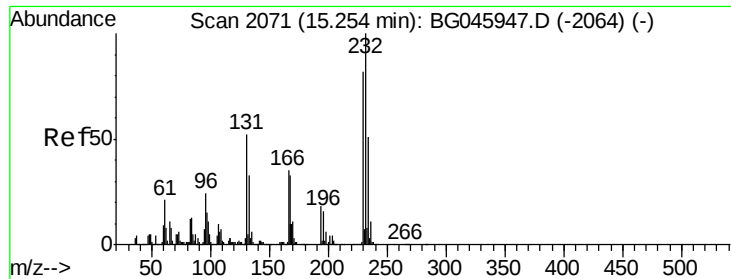
Tot Ion	165	Resp	47820
Ion Ratio	Lower	Upper	
165	100		
63	46.2	35.4	53.0
89	87.9	65.4	98.2
182	3.1	2.0	3.0



#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

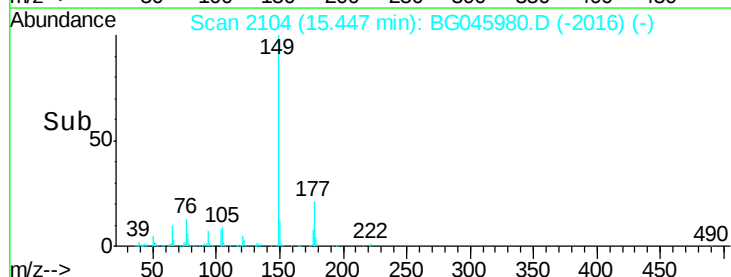
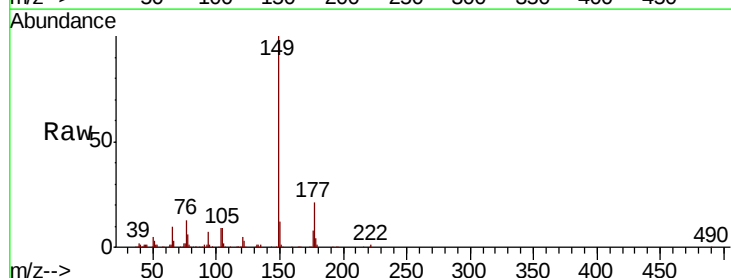
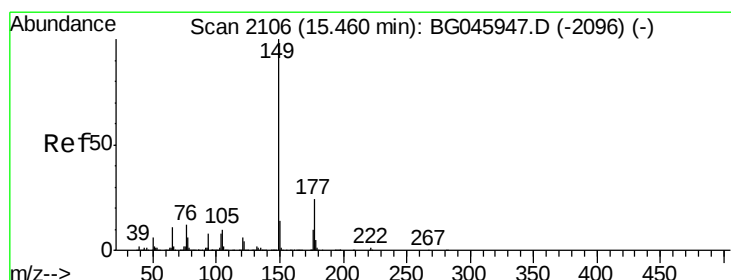
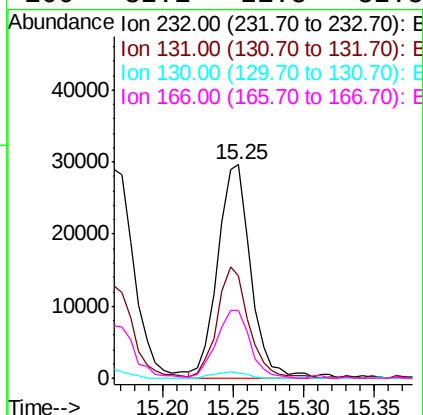




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.032 ng
RT: 15.25 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

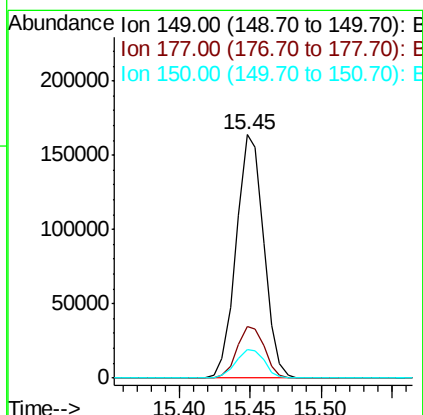
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

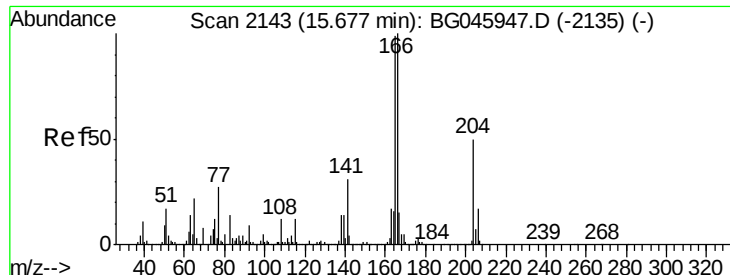
Tot Ion	Ratio	Lower	Upper
232	100		
131	49.9	35.8	53.6
130	2.8	2.5	3.7
166	32.1	21.8	32.8



#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	Ratio	Lower	Upper
149	100		
177	21.1	19.0	28.4
150	12.0	11.0	16.4

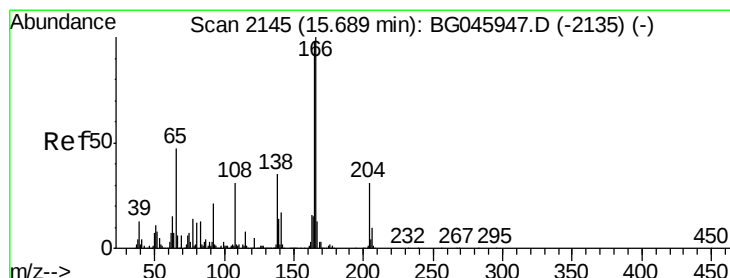
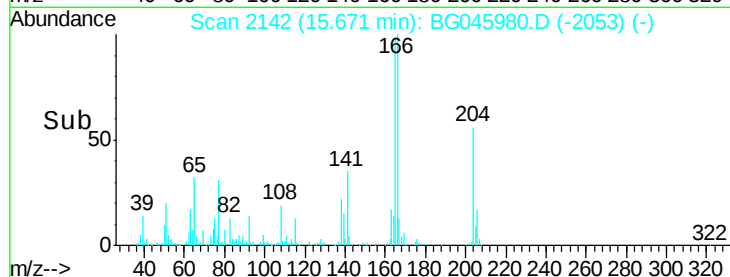
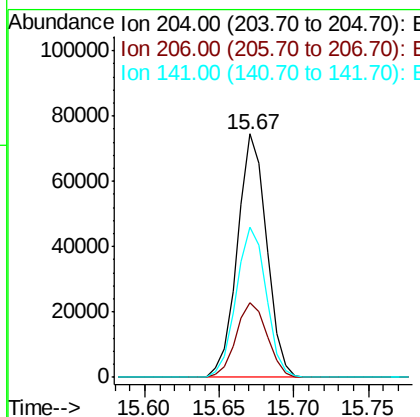
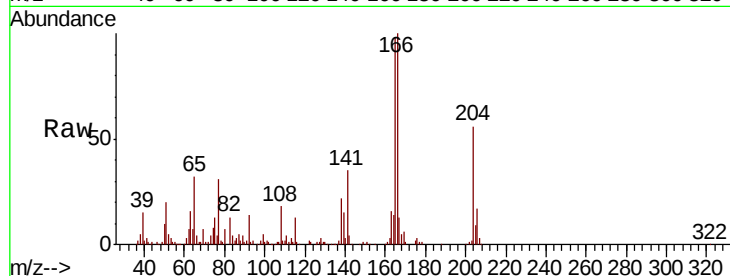




#61
4-Chlorophenyl-phenylether
Concen: 8.699 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

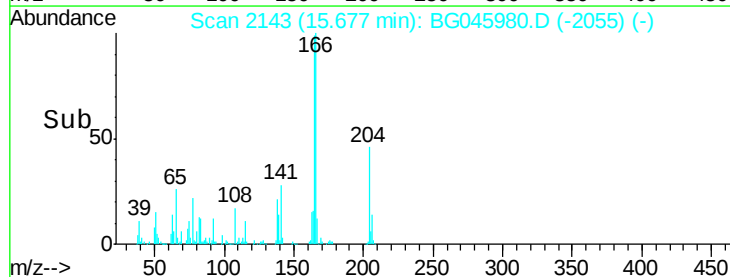
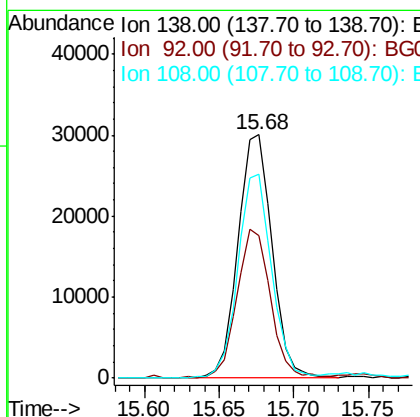
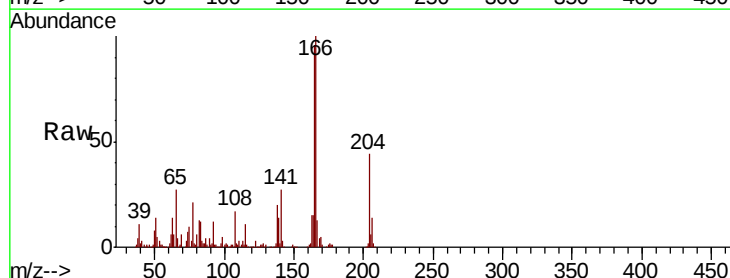
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

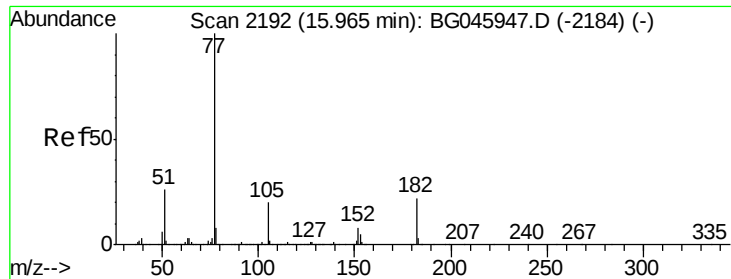
Tot Ion:204 Resp: 101419
Ion Ratio Lower Upper
204 100
206 30.4 27.1 40.7
141 61.8 49.8 74.8



#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





#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

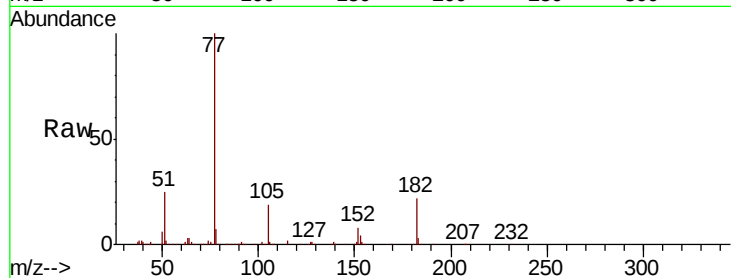
Ion Ratio Lower Upper

77 100

182 22.0 2.4 42.4

105 19.0 0.3 40.3

51 25.3 6.3 46.3

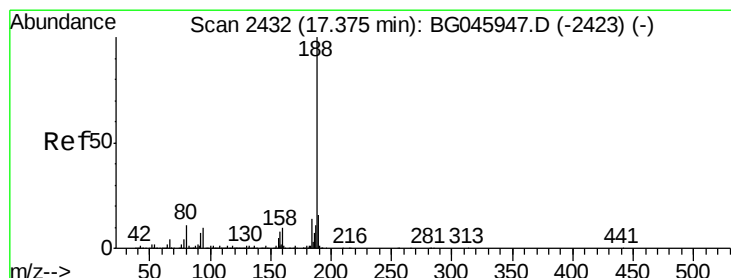
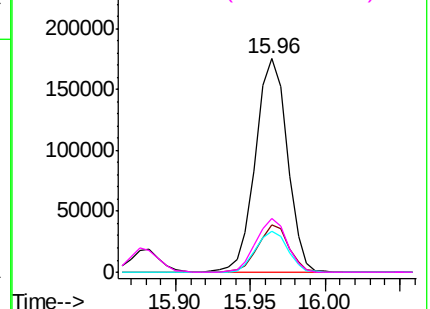
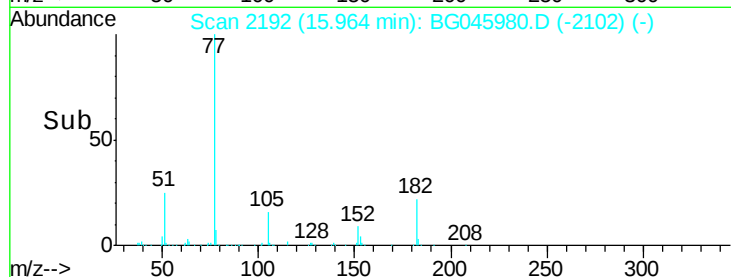


Abundance Ion 77.00 (76.70 to 77.70): BGC

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

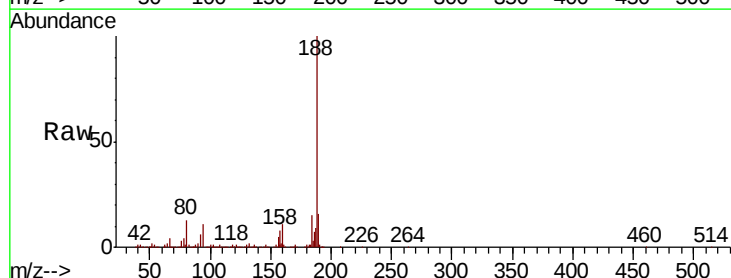
Tgt Ion: 188 Resp: 667578

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.4

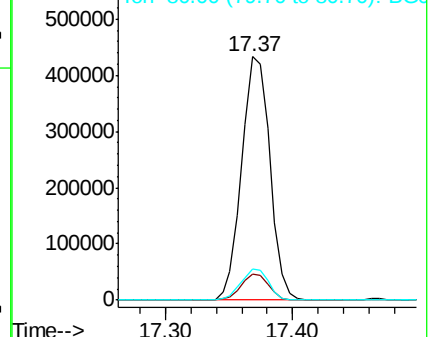
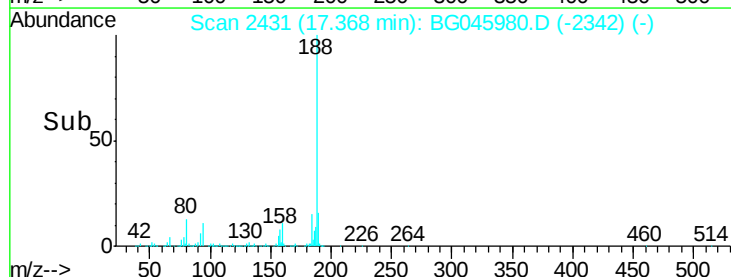
80 12.6 9.0 13.6

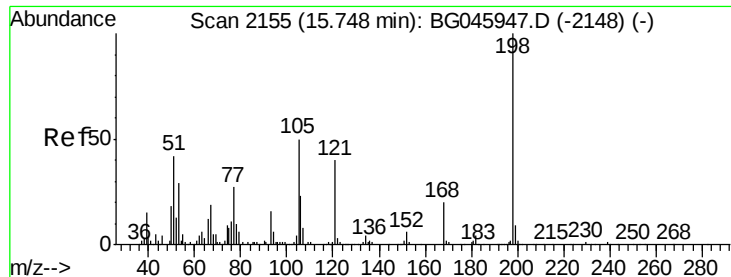


Abundance Ion 188.00 (187.70 to 188.70): BGC

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 :

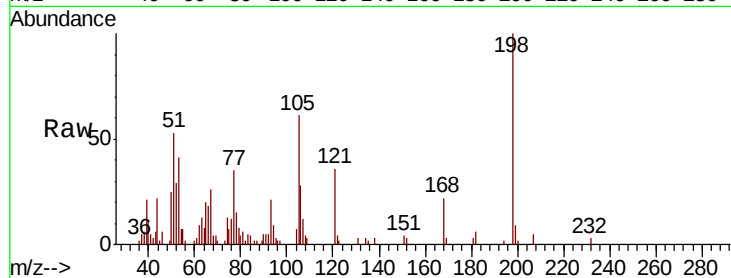
BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:198 Resp: 14737

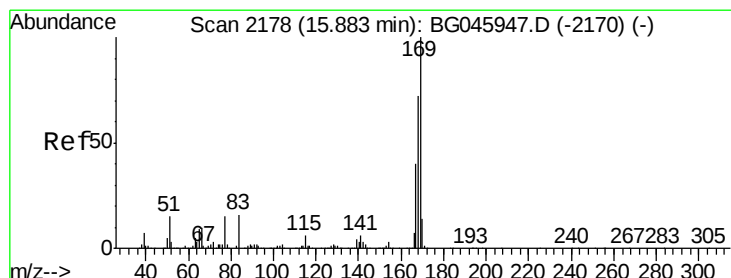
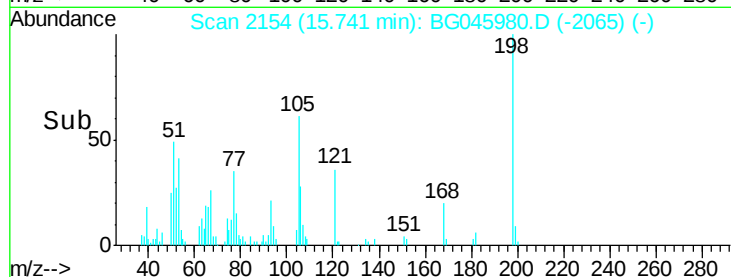
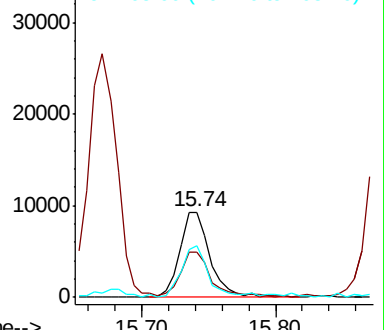
Ion	Ratio	Lower	Upper
198	100		
51	53.1	24.5	64.5
105	60.8	30.9	70.9



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

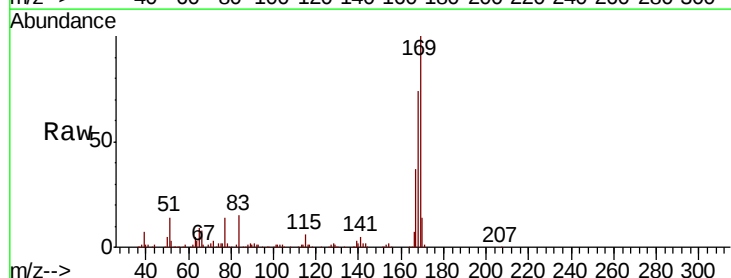
Delta R.T. -0.00 min

Lab File: BG045980.D

Acq: 8 Jul 2020 14:35

Tgt Ion:169 Resp: 189533

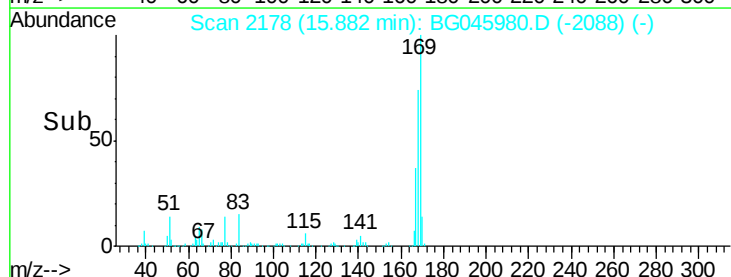
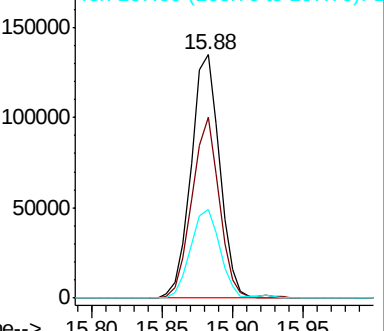
Ion	Ratio	Lower	Upper
169	100		
168	74.3	57.3	85.9
167	36.6	32.1	48.1

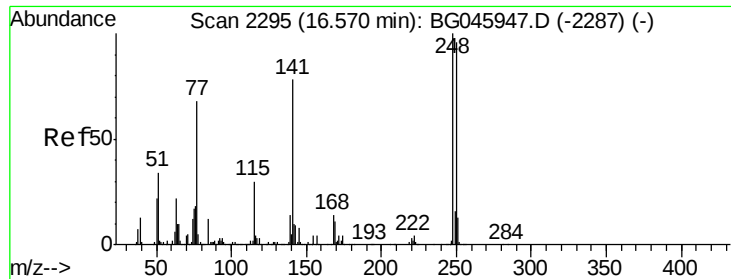


Abundance Ion 169.00 (168.70 to 169.70): E

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

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

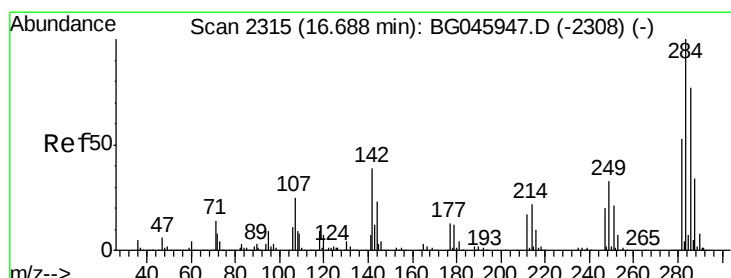
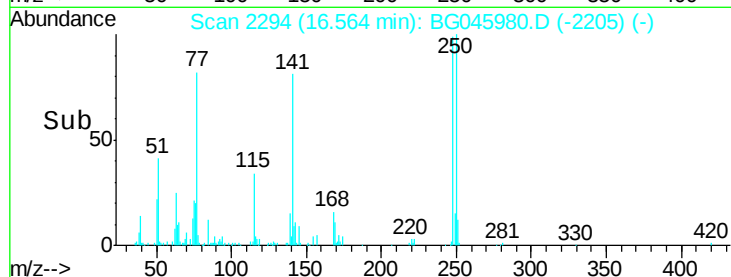
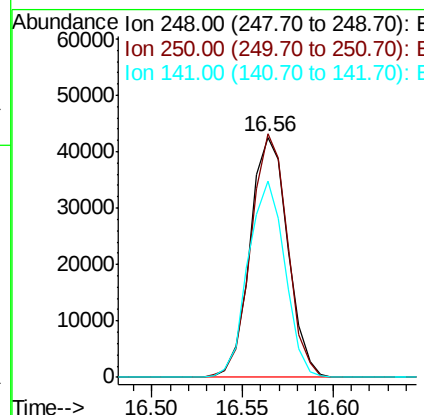
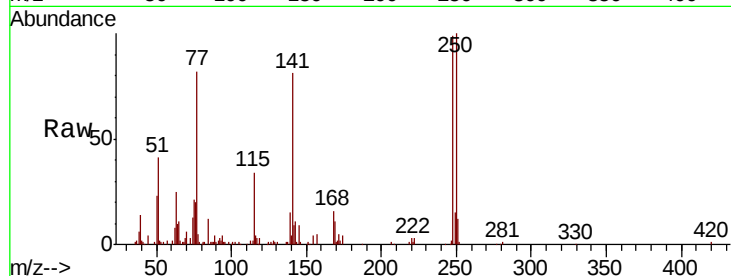




#67
4-Bromophenyl-phenylether
Concen: 8.277 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

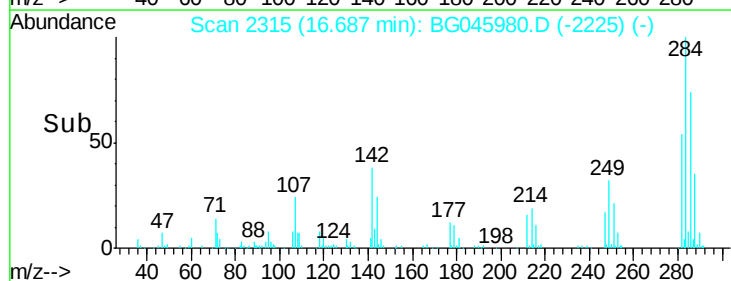
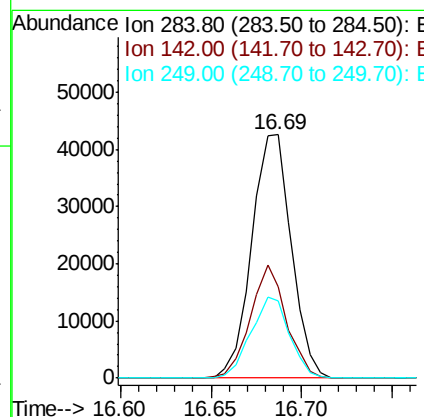
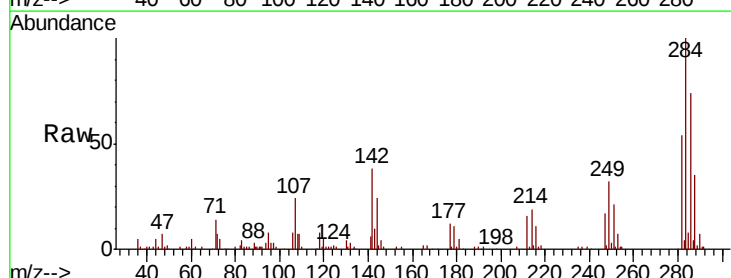
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

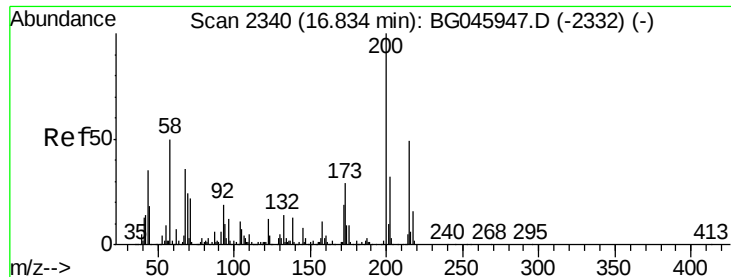
Tot Ion:248 Resp: 61712
Ion Ratio Lower Upper
248 100
250 101.4 76.6 114.8
141 81.9 62.7 94.1



#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

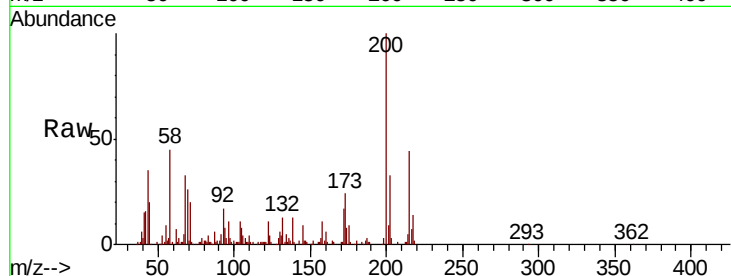
Tot Ion:200 Resp: 62678

Ion Ratio Lower Upper

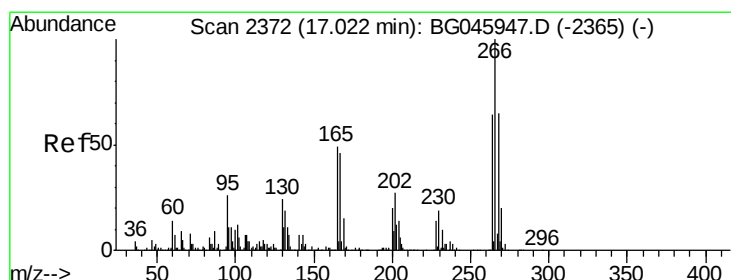
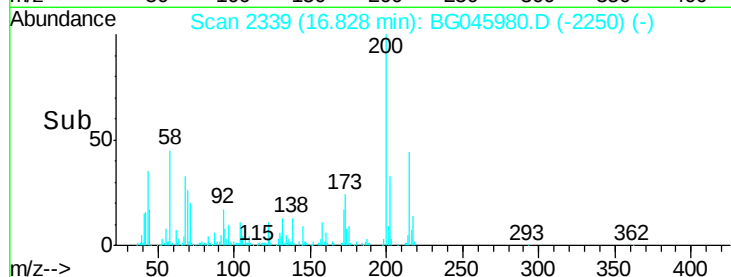
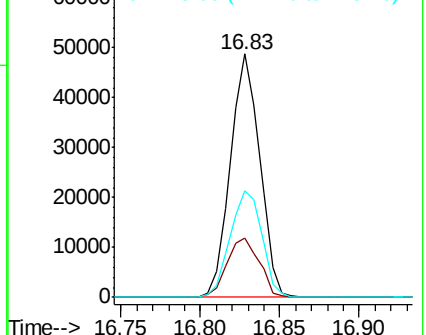
200 100

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

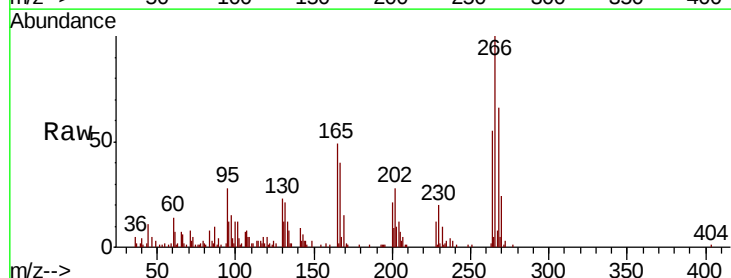
Tgt Ion:266 Resp: 30104

Ion Ratio Lower Upper

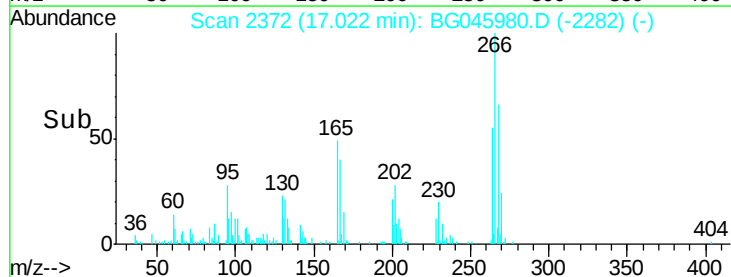
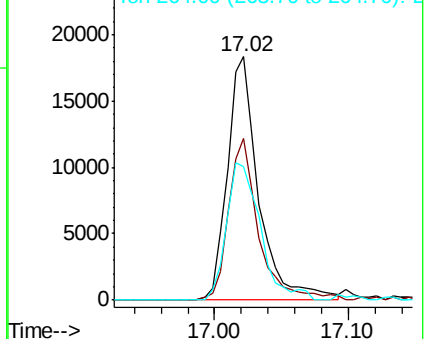
266 100

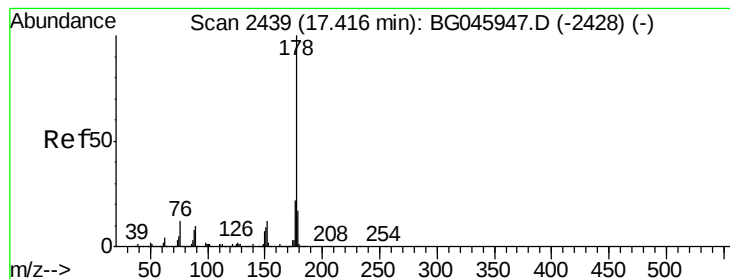
268 66.3 51.8 77.8

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

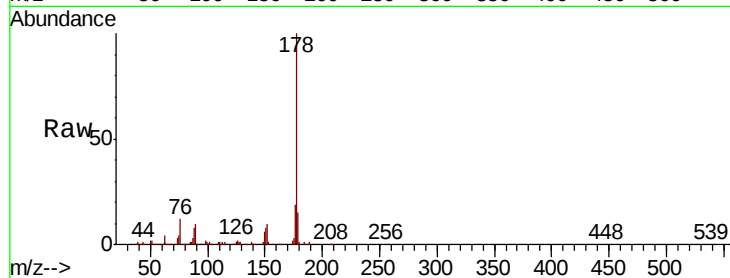
Tot Ion:178 Resp: 333971

Ion Ratio Lower Upper

178 100

176 18.7 17.4 26.2

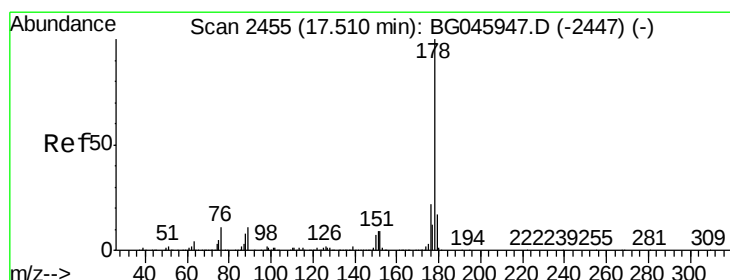
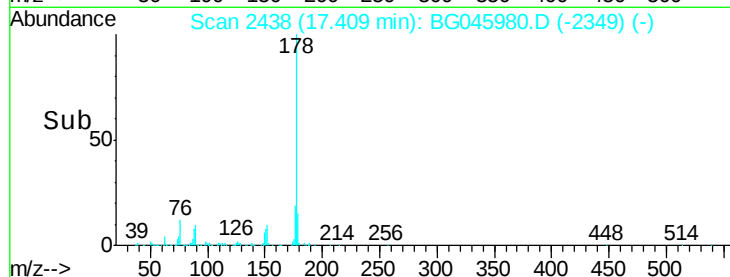
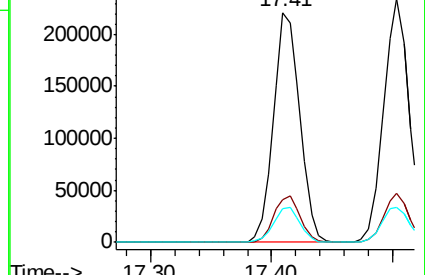
179 14.7 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 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

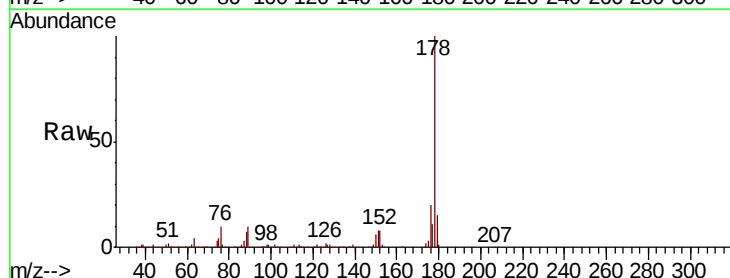
Tgt Ion:178 Resp: 346140

Ion Ratio Lower Upper

178 100

176 19.9 17.2 25.8

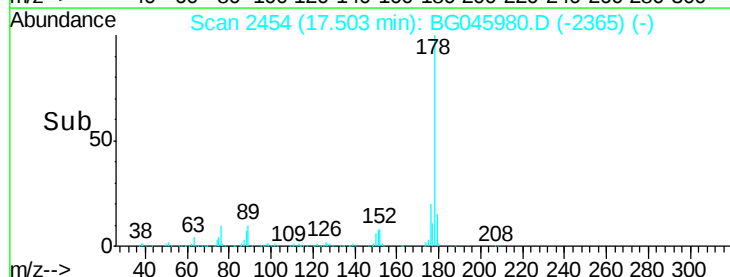
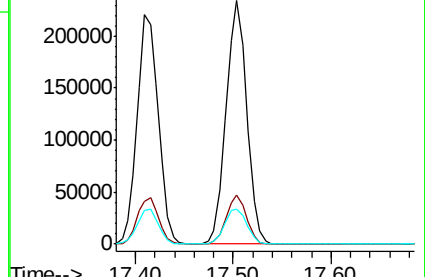
179 14.6 14.0 21.0

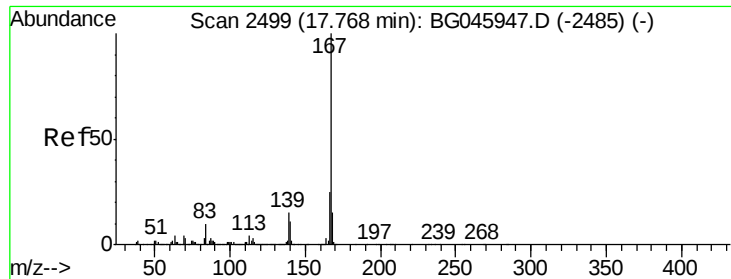


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

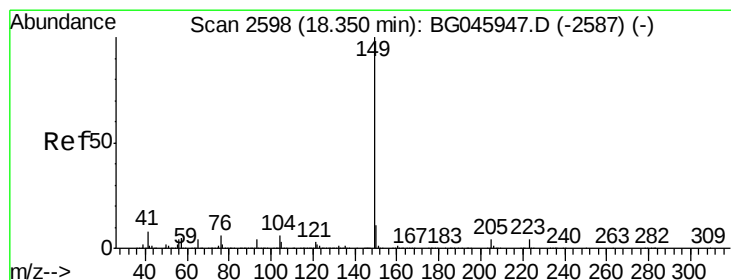
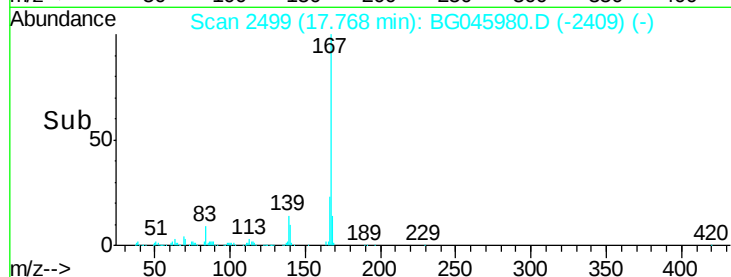
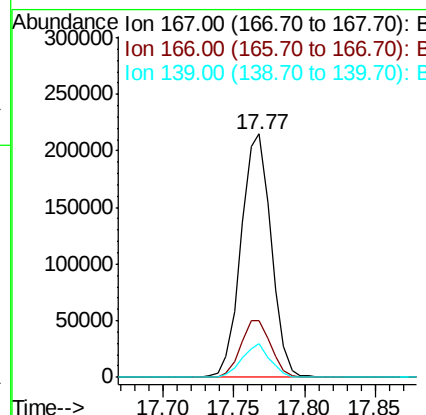
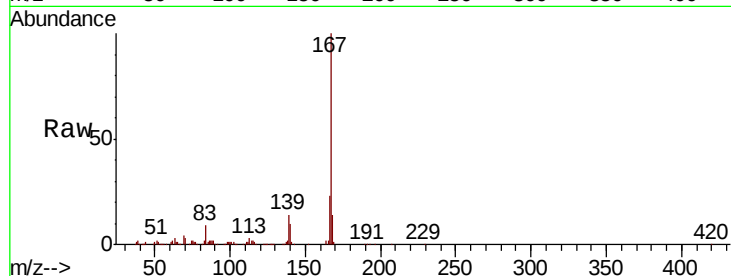




#73
 Carbazole
 Concen: 8.901 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

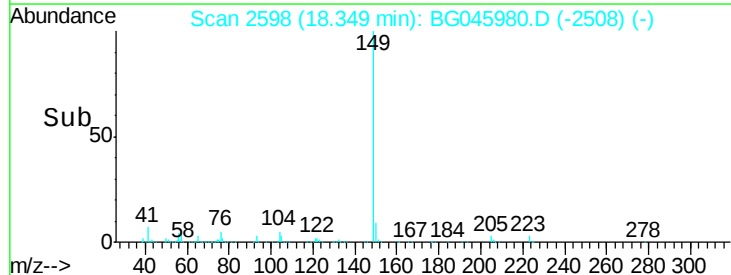
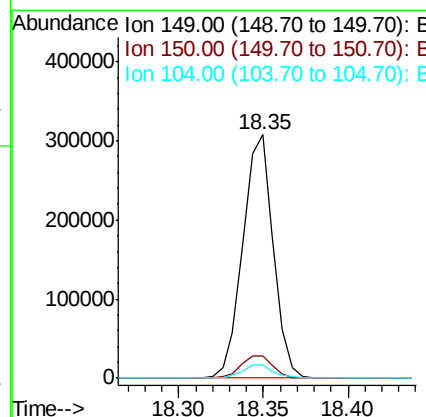
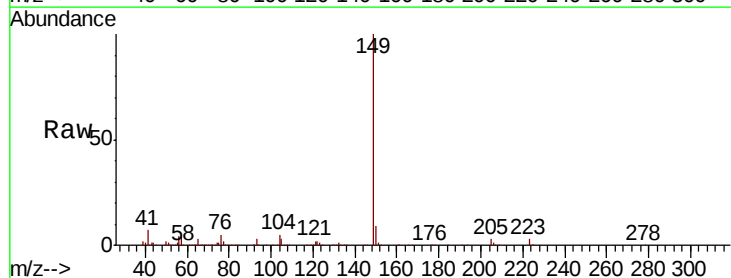
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

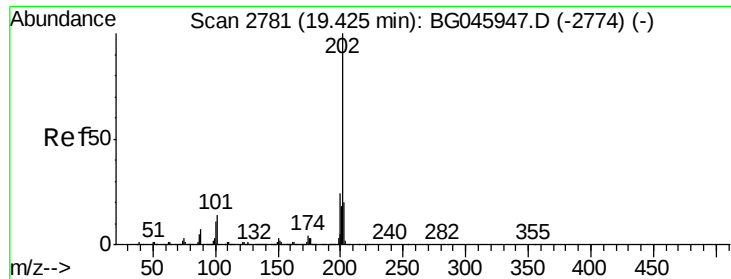
Tot Ion	Ratio	Lower	Upper
167	100		
166	23.3	20.4	30.6
139	13.7	11.8	17.8



#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	Ratio	Lower	Upper
149	100		
150	9.3	9.0	13.4
104	5.4	5.2	7.8





#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

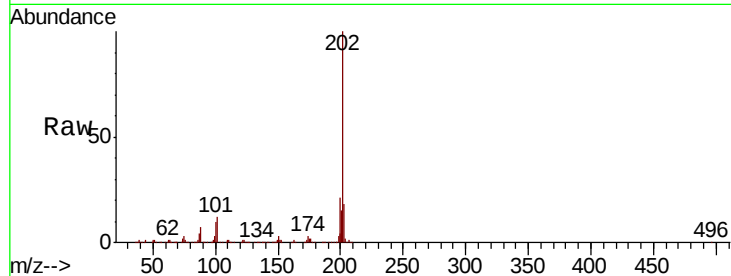
Tot Ion:202 Resp: 392428

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.8

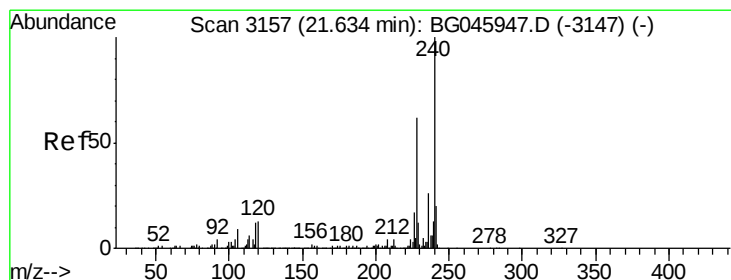
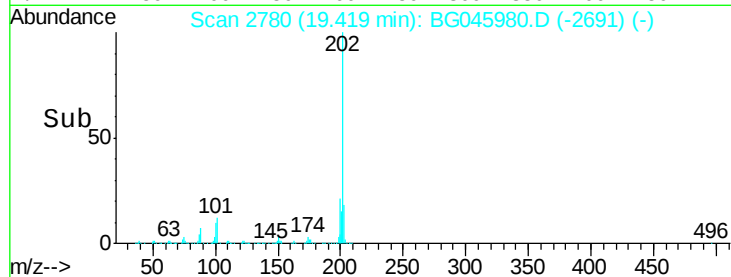
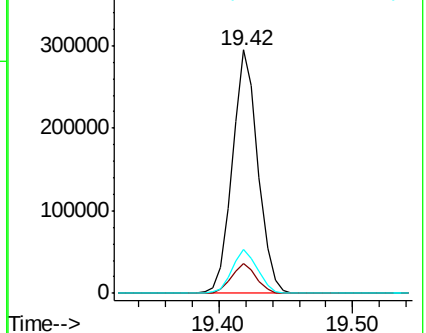
203 18.0 0.4 40.4



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

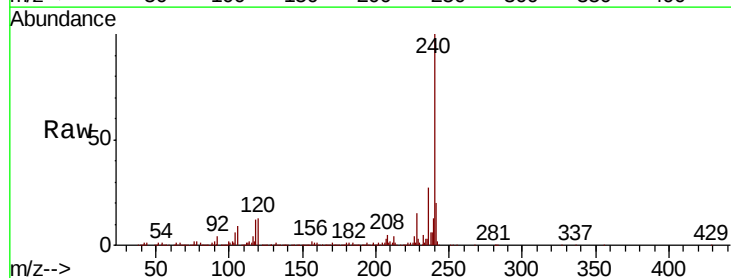
Tgt Ion:240 Resp: 607314

Ion Ratio Lower Upper

240 100

120 13.0 10.6 16.0

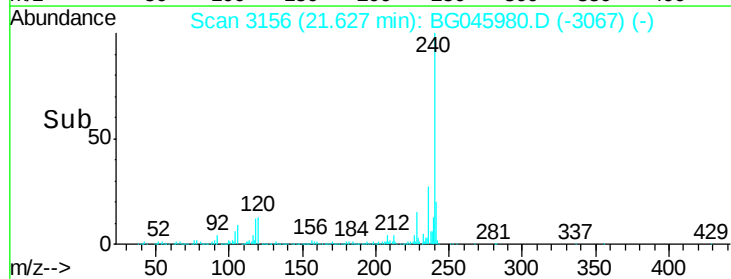
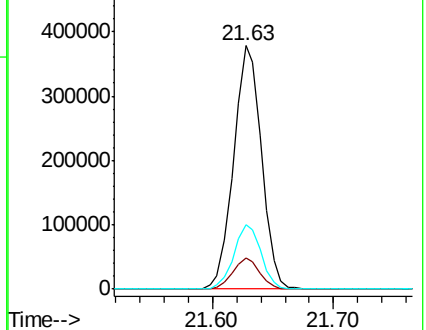
236 26.5 20.4 30.6

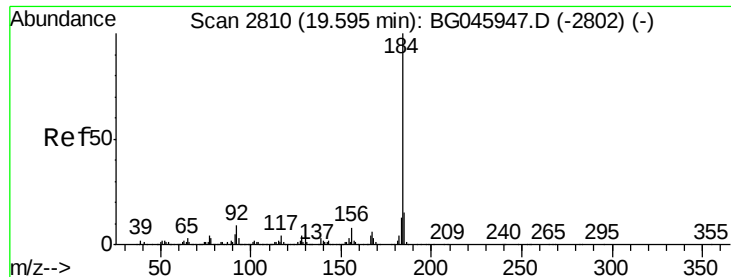


Abundance Ion 240.00 (239.70 to 240.70): E

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

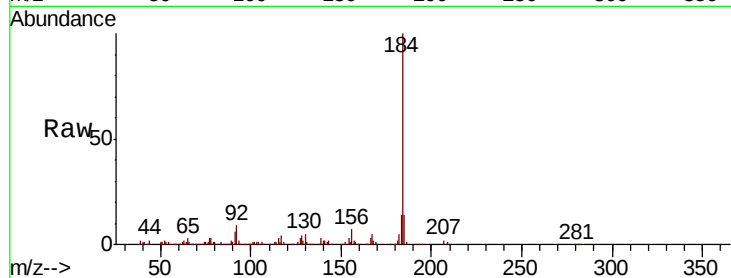
Tot Ion:184 Resp: 200298

Ion Ratio Lower Upper

184 100

185 14.3 11.6 17.4

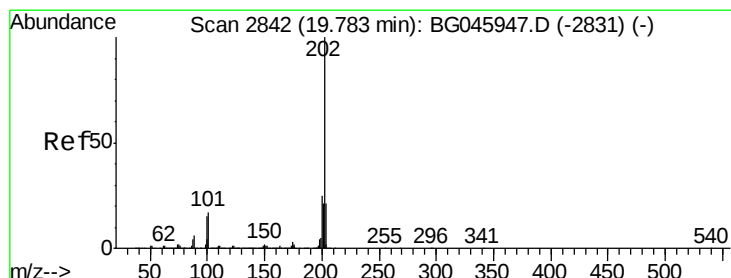
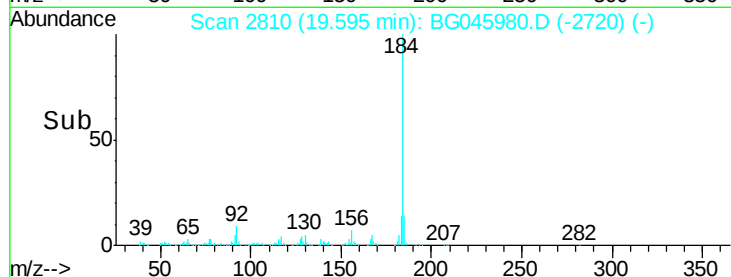
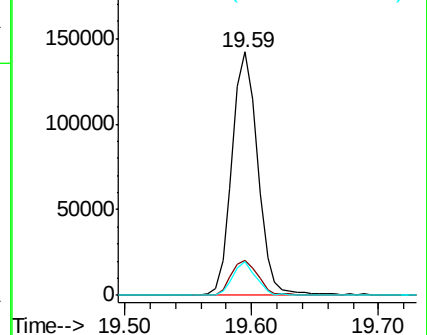
183 13.7 10.4 15.6



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

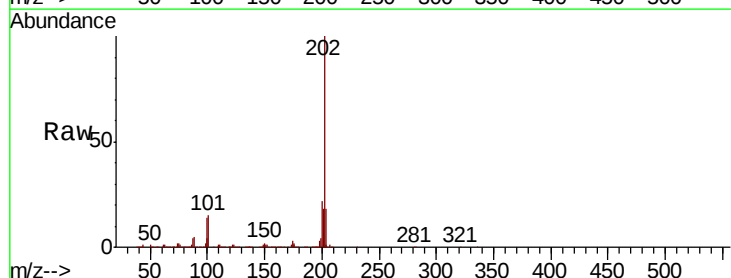
Tgt Ion:202 Resp: 398547

Ion Ratio Lower Upper

202 100

200 22.3 20.1 30.1

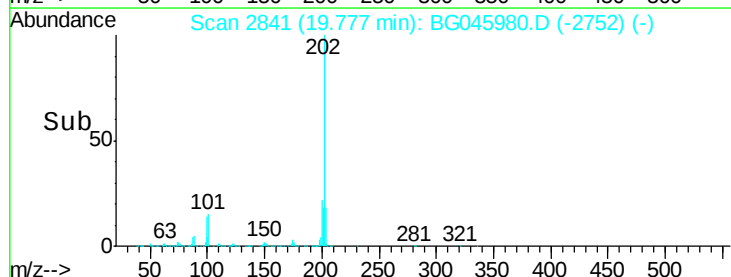
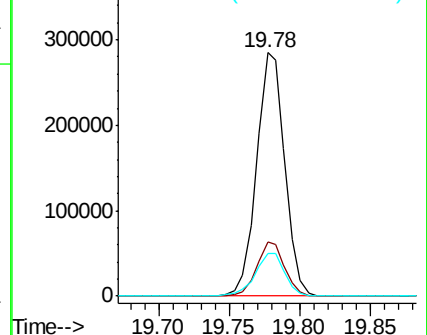
203 17.8 16.5 24.7

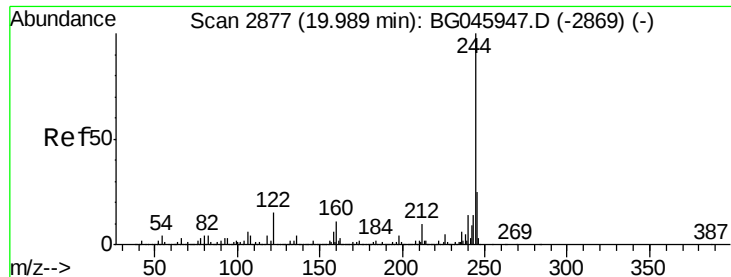


Abundance Ion 202.00 (201.70 to 202.70): E

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

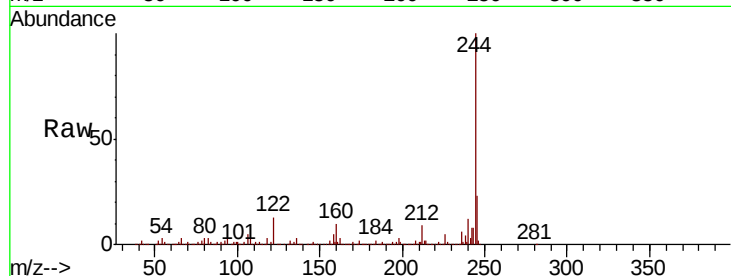
Tot Ion:244 Resp: 1612590

Ion Ratio Lower Upper

244 100

212 8.6 8.3 12.5

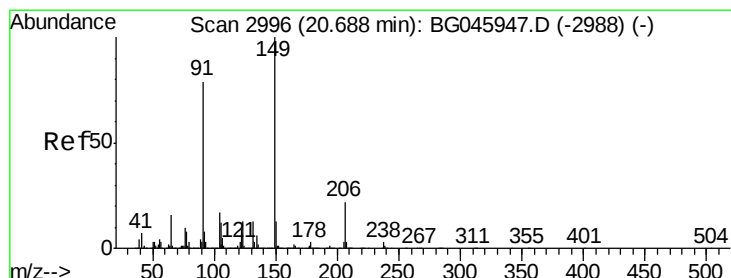
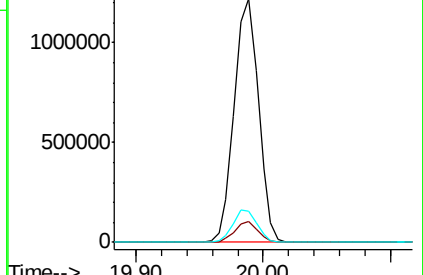
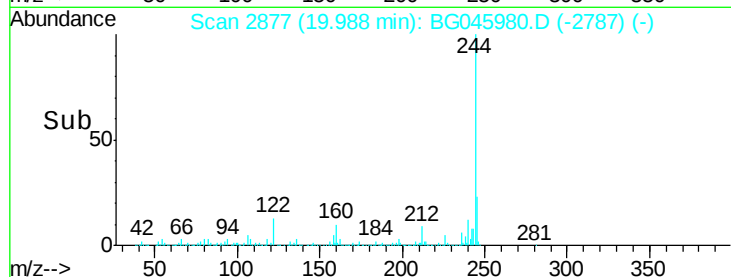
122 13.0 12.1 18.1



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

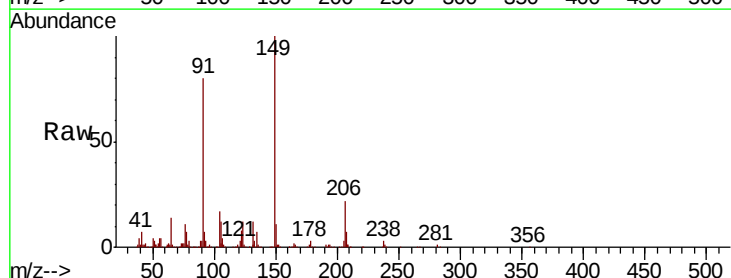
Tgt Ion:149 Resp: 160923

Ion Ratio Lower Upper

149 100

91 80.3 63.1 94.7

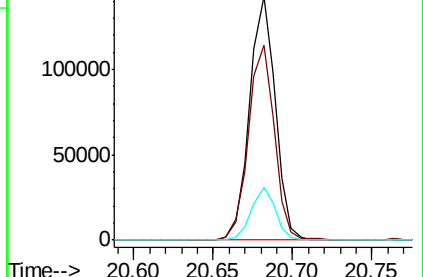
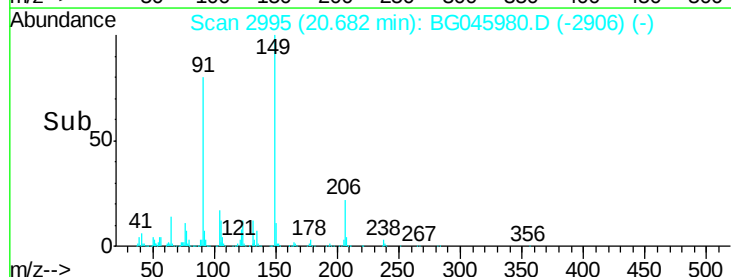
206 21.8 17.4 26.0

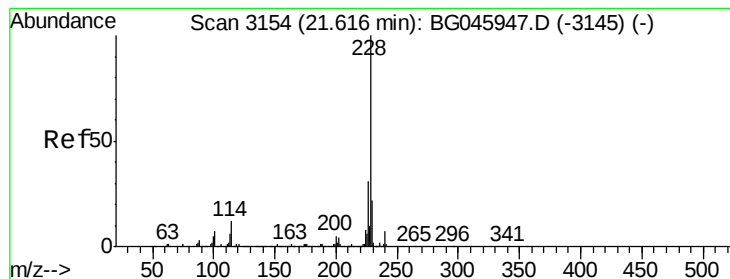


Abundance Ion 149.00 (148.70 to 149.70): E

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

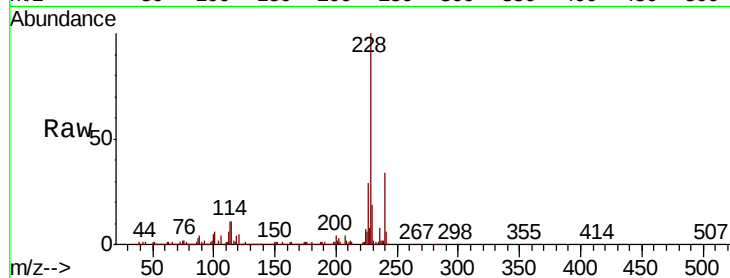
Tot Ion:228 Resp: 371533

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

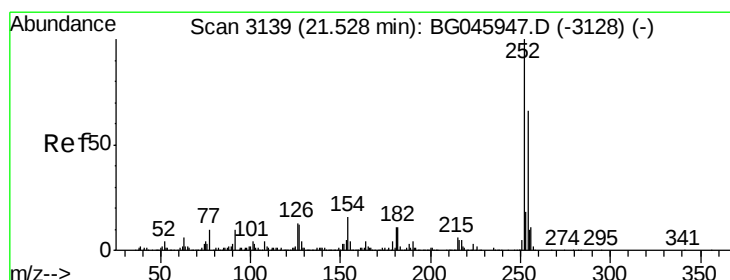
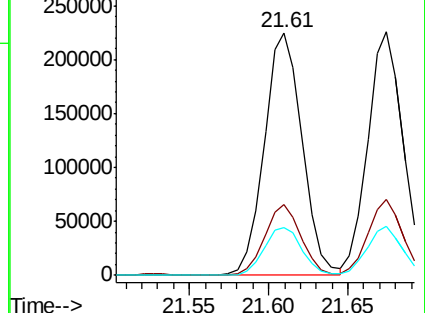
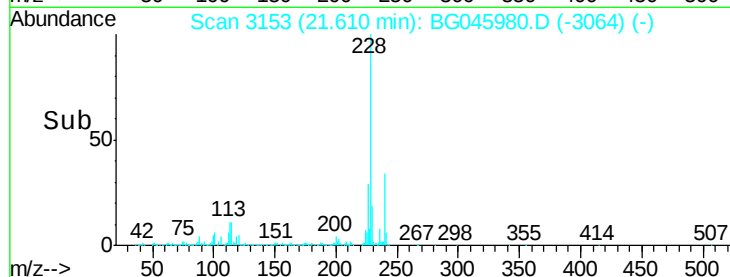
229 19.5 17.8 26.8



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

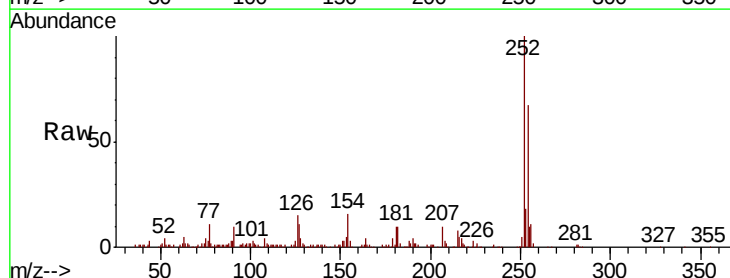
Tgt Ion:252 Resp: 135431

Ion Ratio Lower Upper

252 100

254 67.4 52.9 79.3

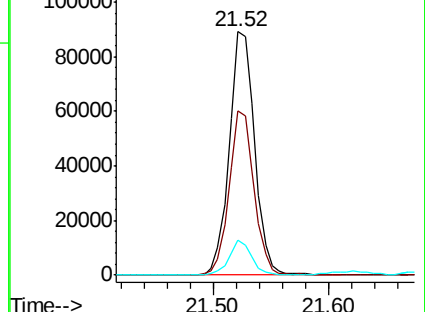
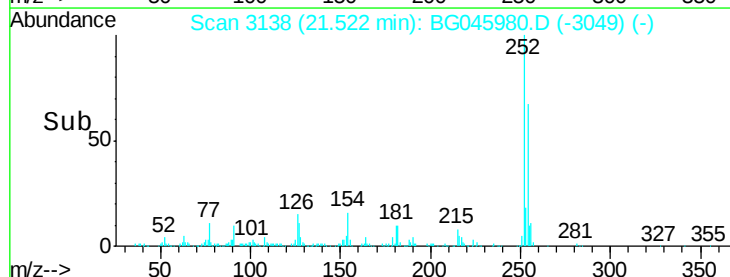
126 14.6 10.4 15.6

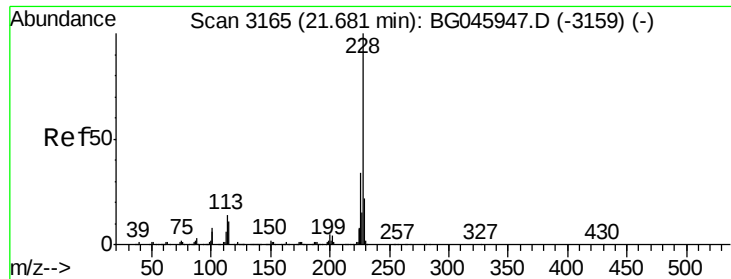


Abundance Ion 252.00 (251.70 to 252.70): E

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

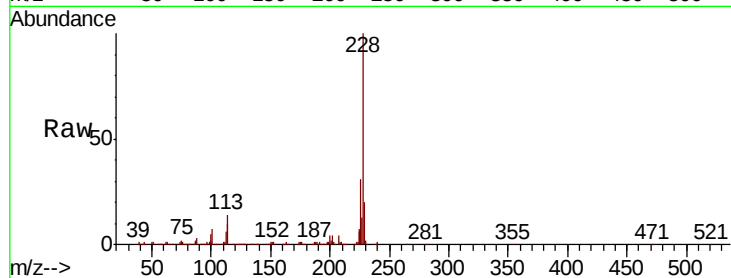
Tot Ion:228 Resp: 348958

Ion Ratio Lower Upper

228 100

226 31.0 26.7 40.1

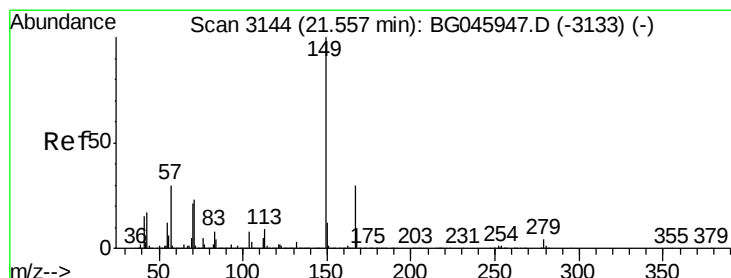
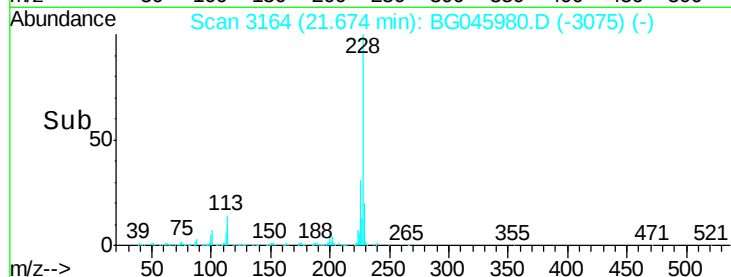
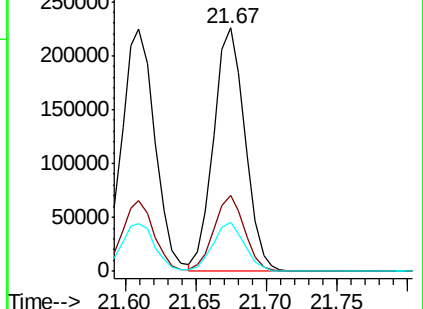
229 20.3 17.3 25.9



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

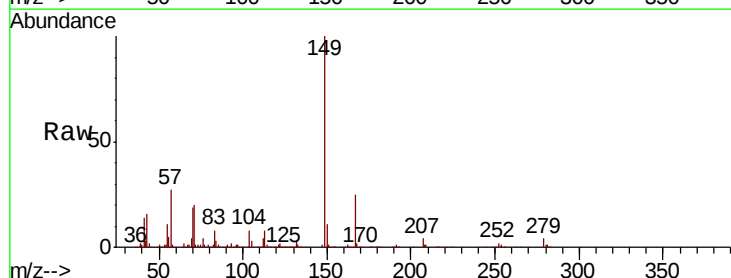
Tgt Ion:149 Resp: 247064

Ion Ratio Lower Upper

149 100

167 24.9 23.8 35.8

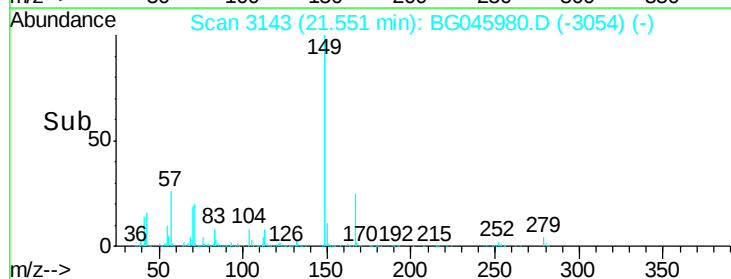
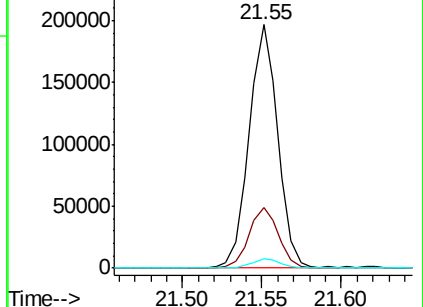
279 3.8 3.5 5.3

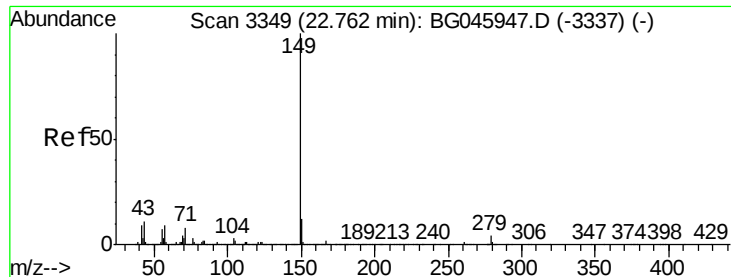


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

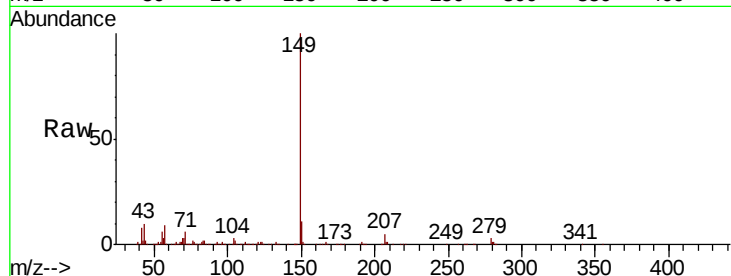




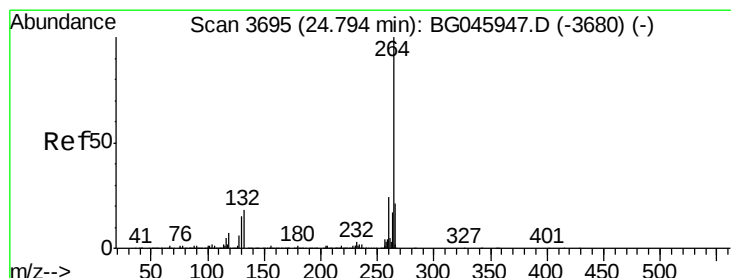
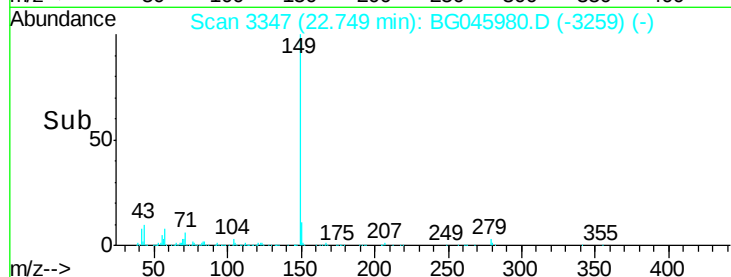
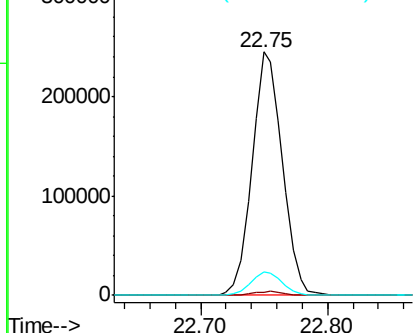
#85
Di-n-octyl phthalate
Concen: 8.203 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.0	8.6	12.8

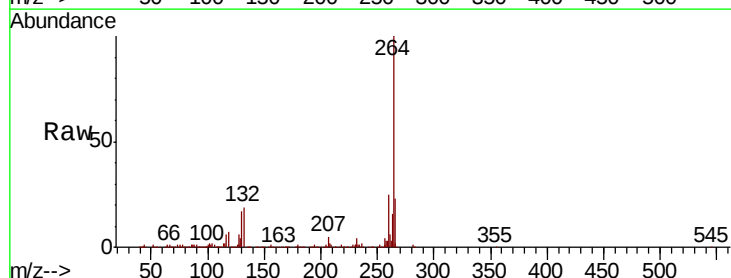


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): B

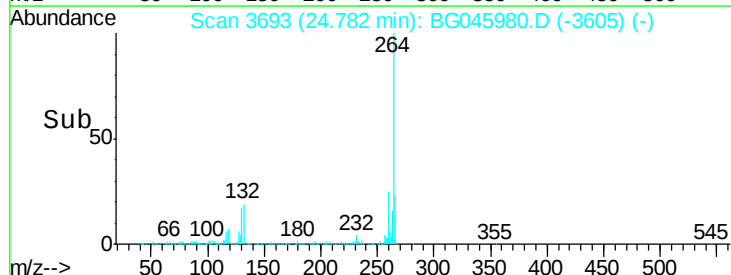
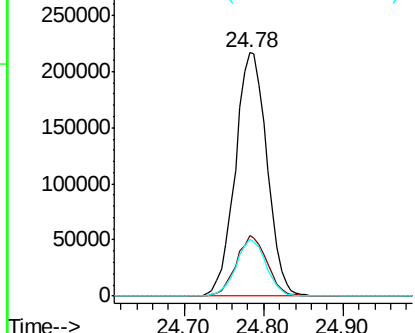


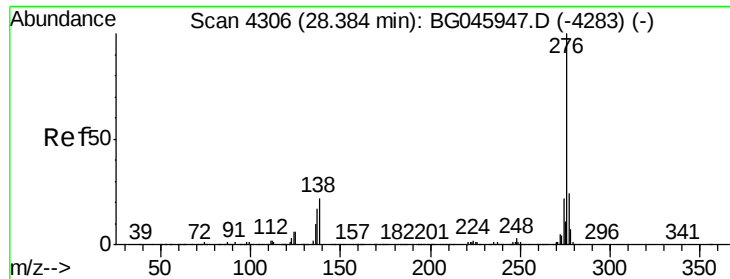
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

Tgt Ion	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

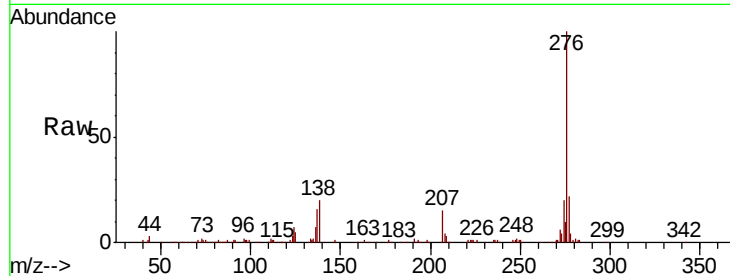




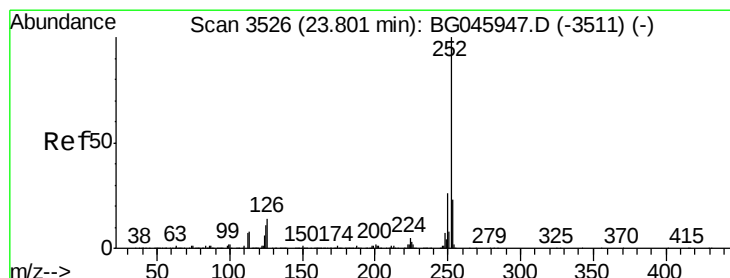
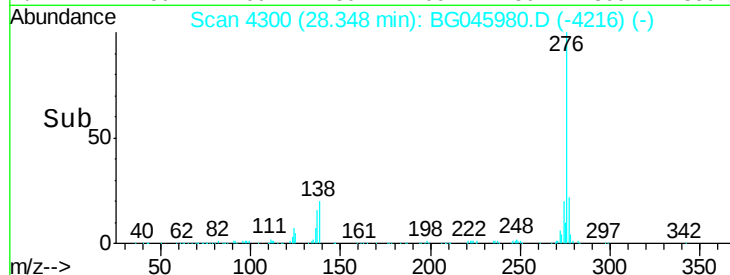
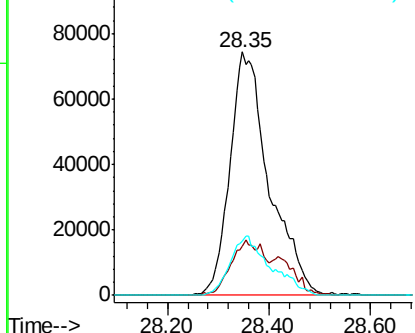
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.104 ng
 RT: 28.35 min Scan# 4306
 Delta R.T. -0.04 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

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

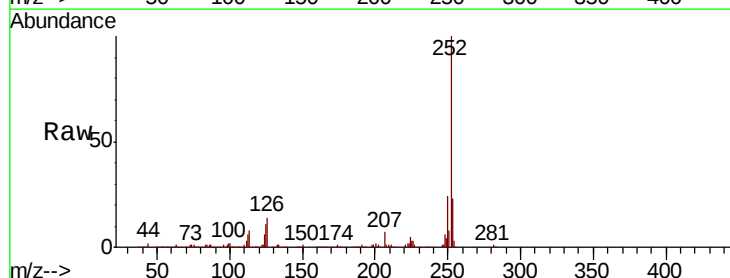


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

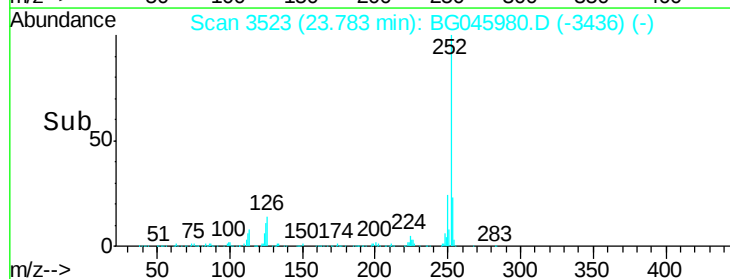
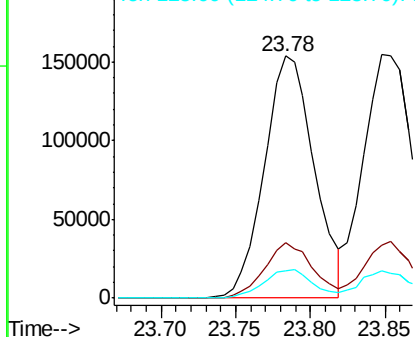


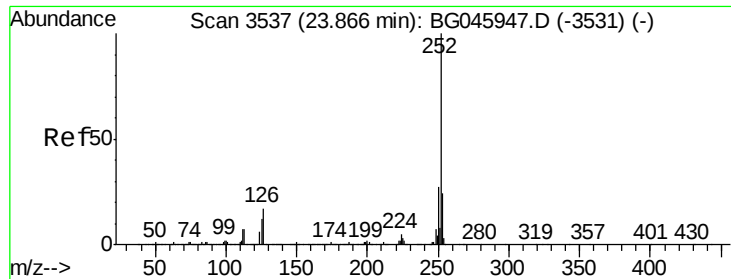
#88
 Benzo(b)fluoranthene
 Concen: 9.379 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045980.D
 Acq: 8 Jul 2020 14:35

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



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

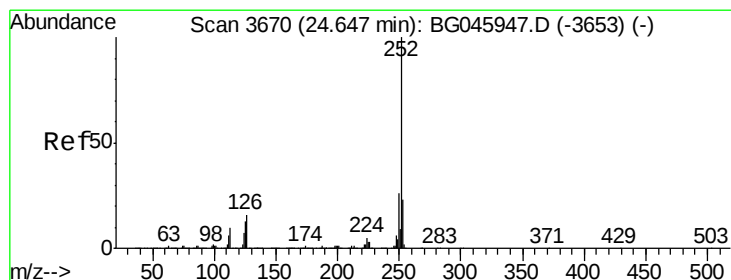
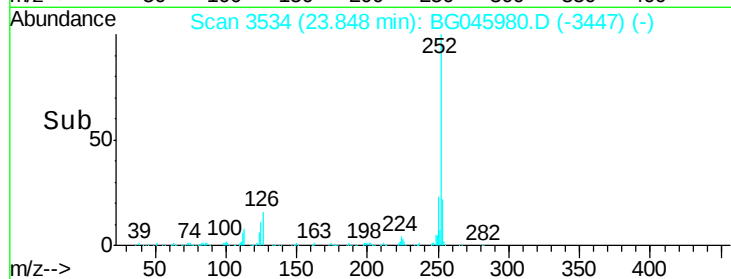
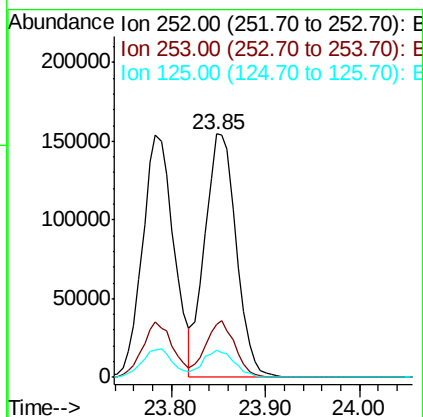
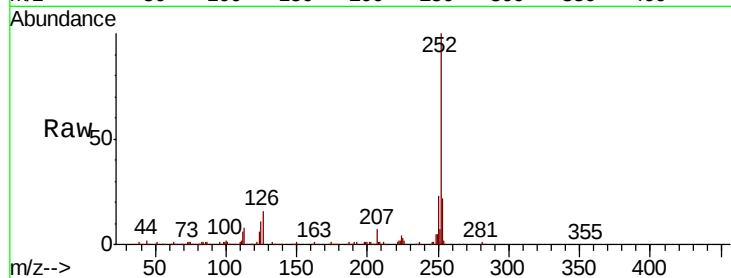




#89
Benzo(k)fluoranthene
Concen: 10.005 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045980.D
Acq: 8 Jul 2020 14:35

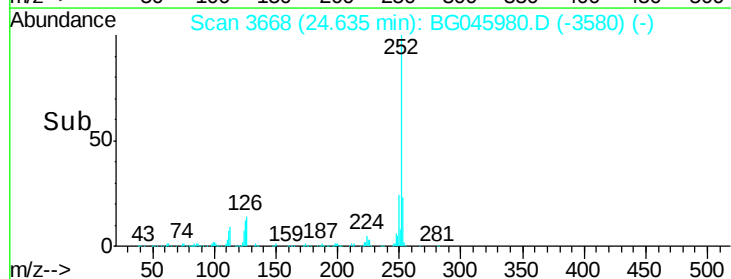
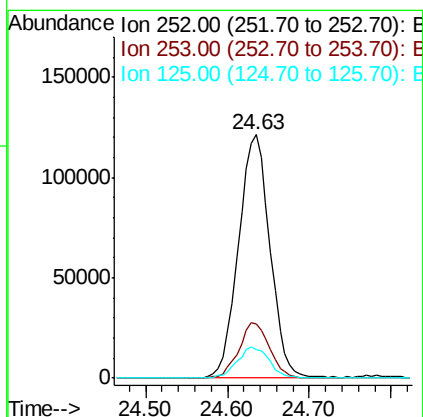
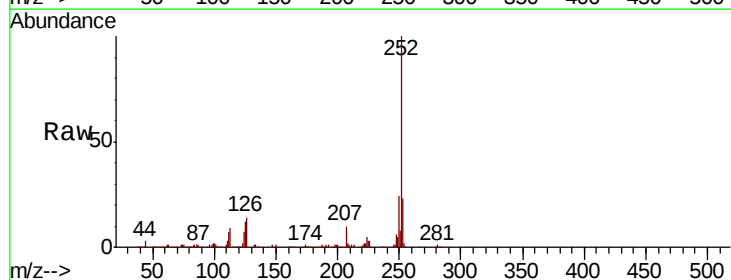
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

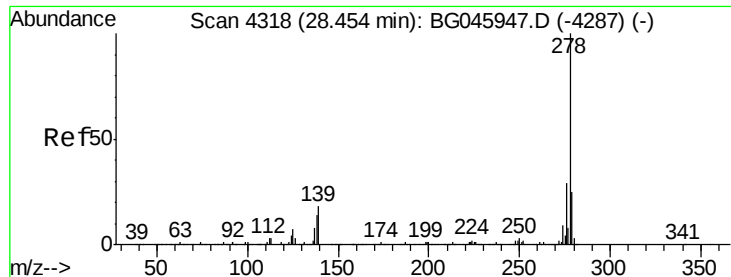
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.9	28.3
125	11.0	9.6	14.4



#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

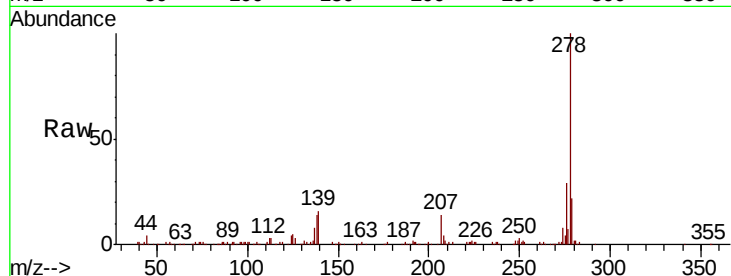
Tot Ion:278 Resp: 328312

Ion Ratio Lower Upper

278 100

139 16.5 14.3 21.5

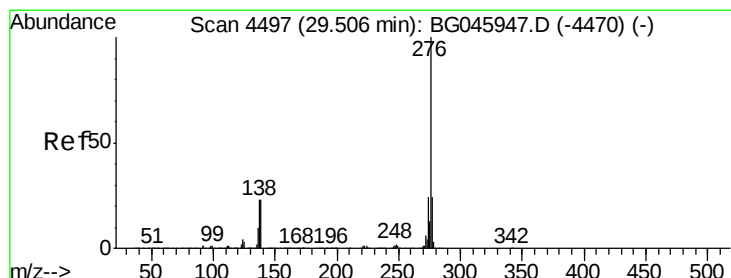
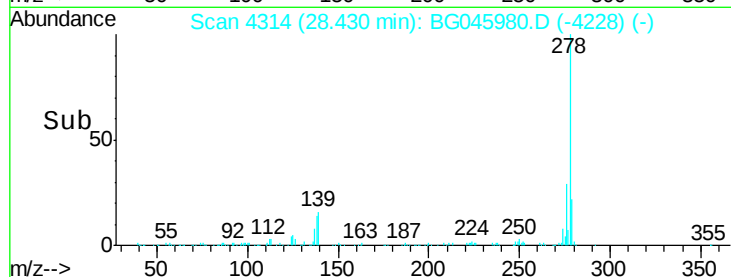
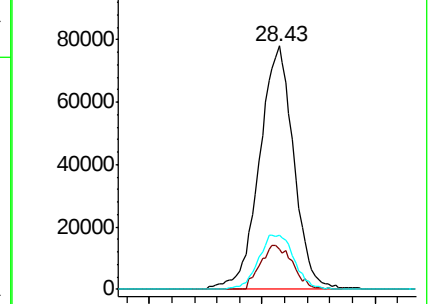
279 22.4 19.8 29.6



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

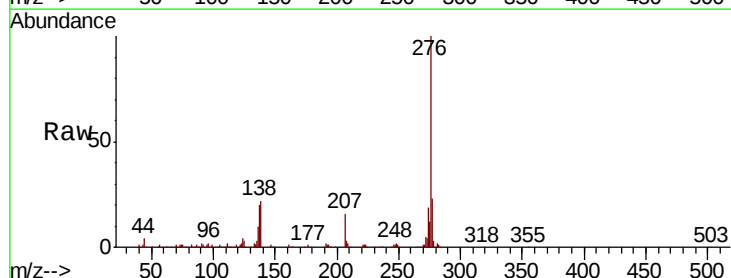
Tgt Ion:276 Resp: 334082

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

