

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045966.D
 Acq On : 7 Jul 2020 19:21
 Operator : CG/JU
 Sample : L3216-02
 Misc : LOD-SOIL-10PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 08 04:13:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 08 04:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	125197	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	511070	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	304531	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	627518	20.00	ng	0.00
76) Chrysene-d12	21.63	240	568932	20.00	ng	0.00
86) Perylene-d12	24.78	264	579742	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1249708	161.87	ng	0.00
7) Phenol-d6	7.16	99	1763651	158.67	ng	0.00
23) Nitrobenzene-d5	9.16	82	1388859	156.42	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	501950	177.60	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2553694	130.80	ng	0.00
79) Terphenyl-d14	19.99	244	2968443	116.12	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	41277	11.589	ng	# 94
3) Pyridine	3.90	79	90051	8.361	ng	96
4) n-Nitrosodimethylamine	3.82	42	40080	11.006	ng	# 91
6) Aniline	7.33	93	144956	10.195	ng	97
8) 2-Chlorophenol	7.58	128	79645	9.583	ng	99
9) Benzaldehyde	7.14	77	96574	13.714	ng	98
10) Phenol	7.19	94	108827	9.761	ng	97
11) bis(2-Chloroethyl)ether	7.43	93	90472	9.813	ng	100
12) 1,3-Dichlorobenzene	7.90	146	94027	9.816	ng	100
13) 1,4-Dichlorobenzene	8.05	146	93877	9.962	ng	98
14) 1,2-Dichlorobenzene	8.36	146	85233	9.398	ng	96
15) Benzyl Alcohol	8.24	79	85767	9.841	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	115824	9.628	ng	99
17) 2-Methylphenol	8.44	107	74259	8.876	ng	97
18) Hexachloroethane	9.10	117	36618	10.099	ng	88
19) n-Nitroso-di-n-propylamine	8.81	70	80960	10.368	ng	95
20) 3+4-Methylphenols	8.76	107	101401	8.893	ng	97
22) Acetophenone	8.82	105	139021	10.182	ng	# 96
24) Nitrobenzene	9.20	77	106305	10.847	ng	95
25) Isophorone	9.73	82	209031	9.643	ng	98
26) 2-Nitrophenol	9.91	139	31807	9.957	ng	95
27) 2,4-Dimethylphenol	9.97	122	81729	10.593	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	122141	10.034	ng	# 95
29) 2,4-Dichlorophenol	10.45	162	73334	9.182	ng	97
30) 1,2,4-Trichlorobenzene	10.67	180	81738	9.236	ng	96
31) Naphthalene	10.85	128	271086	9.895	ng	97
32) Benzoic acid	10.04	122	26097	6.246	ng	89
33) 4-Chloroaniline	10.95	127	114718	9.370	ng	98
34) Hexachlorobutadiene	11.15	225	46020	8.906	ng	94
35) Caprolactam	11.70	113	28907	9.532	ng	89
36) 4-Chloro-3-methylphenol	12.07	107	85399	9.388	ng	95
37) 2-Methylnaphthalene	12.46	142	196539	10.091	ng	100
38) 1-Methylnaphthalene	12.67	142	184576	10.042	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	88914	10.358	ng	99

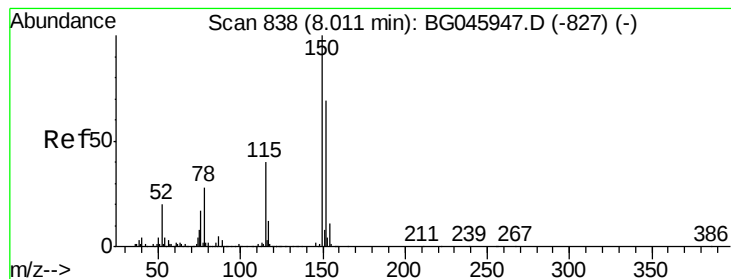
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045966.D
 Acq On : 7 Jul 2020 19:21
 Operator : CG/JU
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 QLast Update : Wed Jul 08 04:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	51151	10.042	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	55235	9.514	ng	97
44) 2,4,5-Trichlorophenol	13.13	196	58472	8.908	ng	97
46) 1,1'-Biphenyl	13.47	154	252588	11.026	ng	94
47) 2-Chloronaphthalene	13.51	162	175894	9.731	ng	98
48) 2-Nitroaniline	13.69	65	47172	11.151	ng	97
49) Acenaphthylene	14.35	152	300903	10.318	ng	98
50) Dimethylphthalate	14.08	163	220874	9.664	ng	98
51) 2,6-Dinitrotoluene	14.19	165	37165	10.480	ng	97
52) Acenaphthene	14.69	154	180655	9.821	ng	95
53) 3-Nitroaniline	14.52	138	41662	9.480	ng	97
54) 2,4-Dinitrophenol	14.72	184	9198	7.353	ng	# 61
55) Dibenzofuran	15.02	168	272660	10.112	ng	98
56) 4-Nitrophenol	14.81	139	34420	9.244	ng	89
57) 2,4-Dinitrotoluene	14.98	165	44296	10.109	ng	# 87
58) Fluorene	15.68	166	226295	10.230	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.25	232	49461	9.759	ng	# 94
60) Diethylphthalate	15.45	149	230211	9.605	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	104020	9.452	ng	99
62) 4-Nitroaniline	15.68	138	46672	9.881	ng	92
63) Azobenzene	15.96	77	261494	10.165	ng	96
65) 4,6-Dinitro-2-methylphenol	15.74	198	15146	8.241	ng	96
66) n-Nitrosodiphenylamine	15.88	169	194589	10.007	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	62260	8.884	ng	99
68) Hexachlorobenzene	16.68	284	67511	9.599	ng	96
69) Atrazine	16.83	200	65273	11.353	ng	95
70) Pentachlorophenol	17.02	266	33519	8.572	ng	96
71) Phenanthrene	17.42	178	342697	10.330	ng	96
72) Anthracene	17.50	178	357271	10.612	ng	95
73) Carbazole	17.77	167	326073	9.662	ng	96
74) Di-n-butylphthalate	18.35	149	405079	9.933	ng	96
75) Fluoranthene	19.42	202	397238	10.358	ng	96
77) Benzidine	19.59	184	209606	12.885	ng	99
78) Pyrene	19.78	202	410842	10.579	ng	92
80) Butylbenzylphthalate	20.68	149	167996	9.154	ng	99
81) Benzo(a)anthracene	21.61	228	376069	10.053	ng	93
82) 3,3'-Dichlorobenzidine	21.52	252	143538	10.384	ng	94
83) Chrysene	21.67	228	349706	9.813	ng	94
84) Bis(2-ethylhexyl)phthalate	21.55	149	254737	9.562	ng	# 94
85) Di-n-octyl phthalate	22.75	149	423588	9.163	ng	98
87) Indeno(1,2,3-cd)pyrene	28.36	276	413040	9.739	ng	98
88) Benzo(b)fluoranthene	23.79	252	366195	9.950	ng	98
89) Benzo(k)fluoranthene	23.85	252	366708	10.538	ng	98
90) Benzo(a)pyrene	24.63	252	336397	9.721	ng	96
91) Dibenzo(a,h)anthracene	28.43	278	343938	10.054	ng	98
92) Benzo(g,h,i)perylene	29.46	276	344109	9.996	ng	98

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

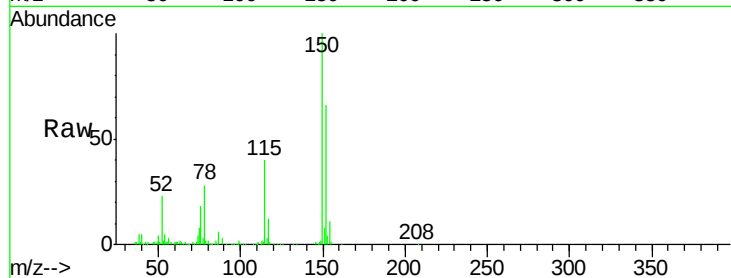


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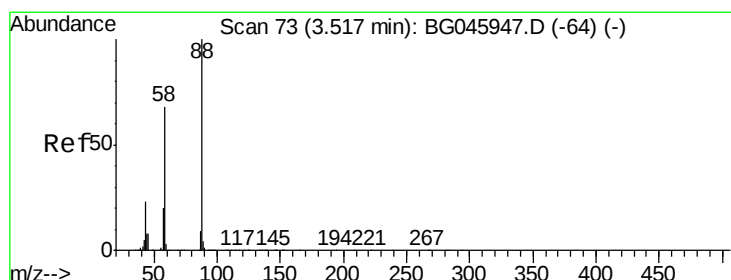
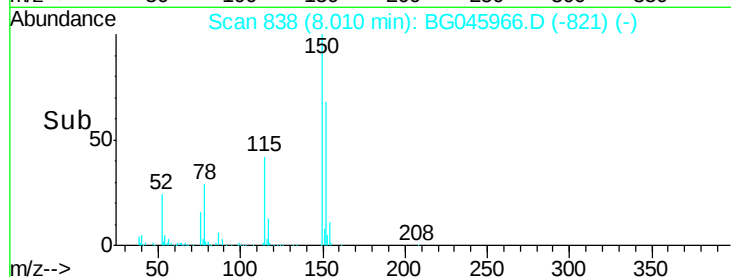
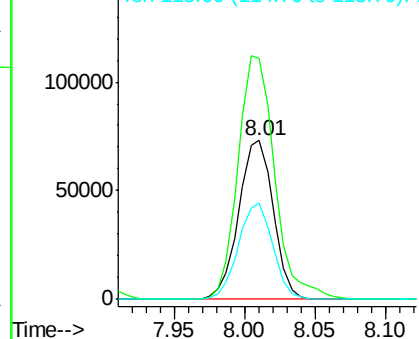
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	116.7	175.1
115	61.1	47.4	71.0



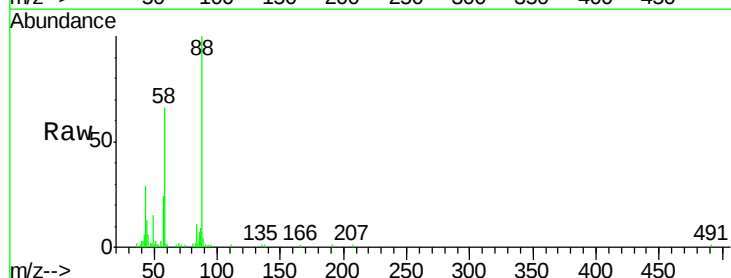
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



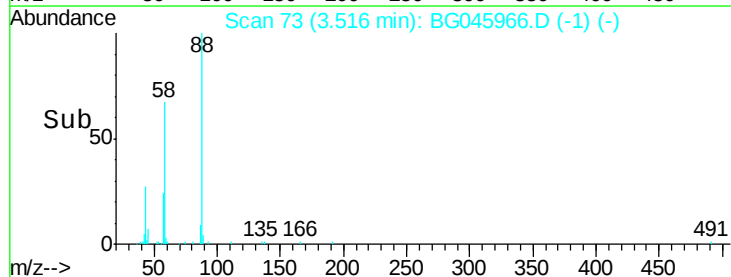
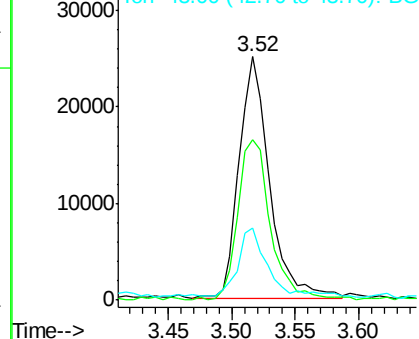
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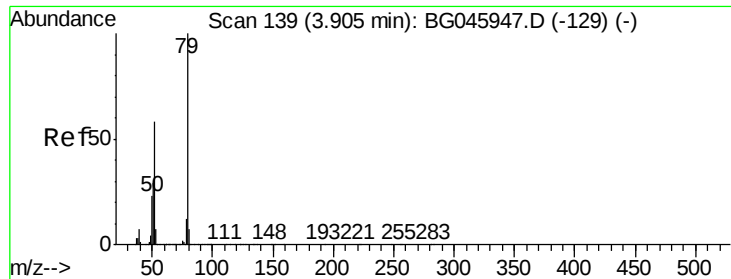
1,4-Dioxane
Concen: 11.589 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.1	55.2	82.8
43	29.6	19.4	29.0



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 8.361 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

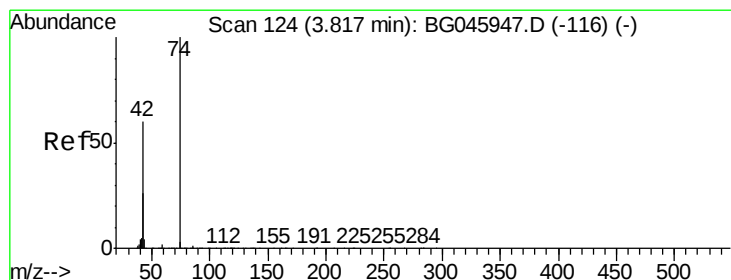
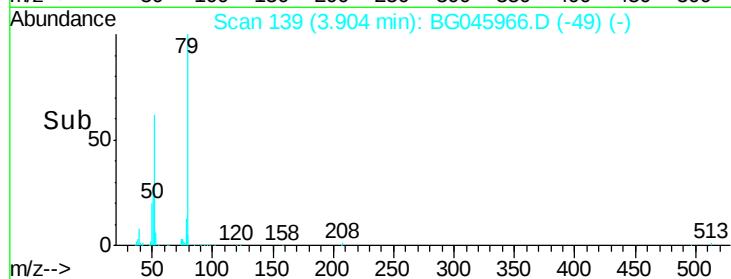
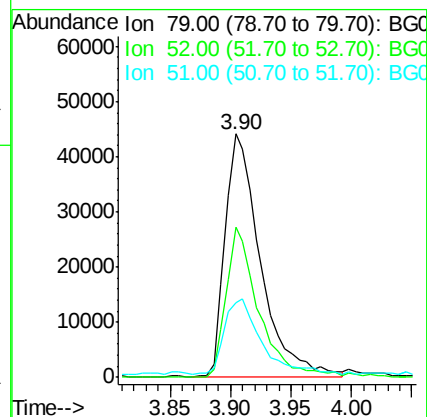
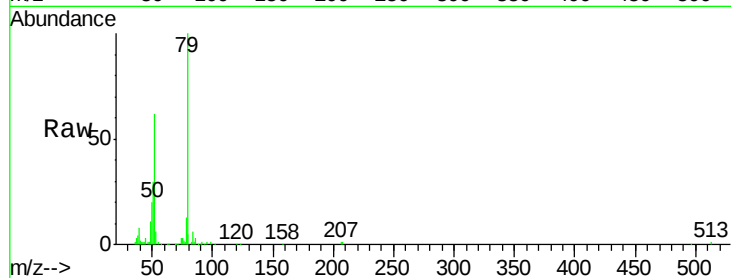
Tot Ion: 79 Resp: 90051

Ion Ratio Lower Upper

79 100

52 61.6 46.5 69.7

51 30.5 23.5 35.3



#4

n-Nitrosodimethylamine

Concen: 11.006 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

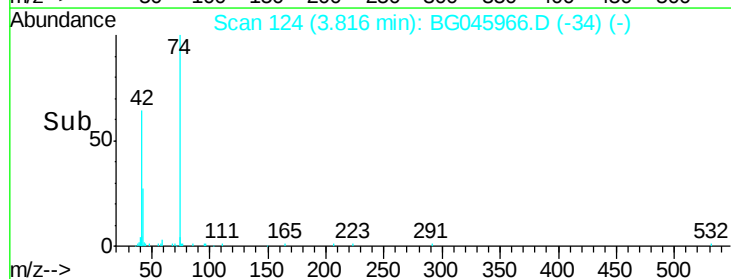
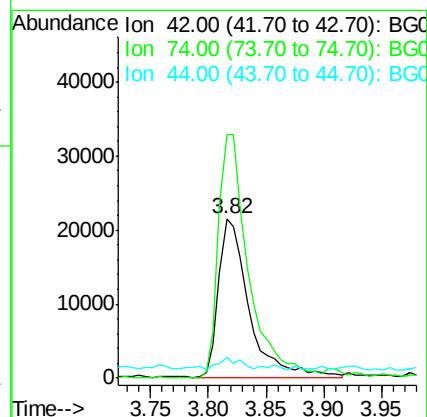
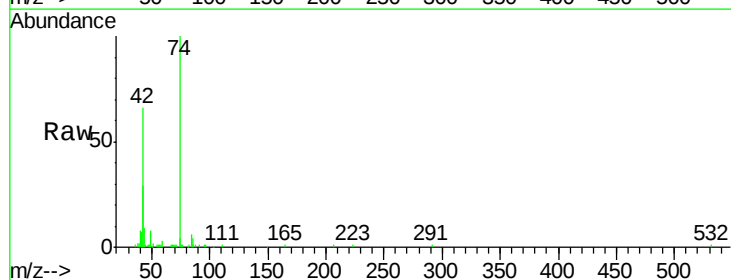
Tgt Ion: 42 Resp: 40080

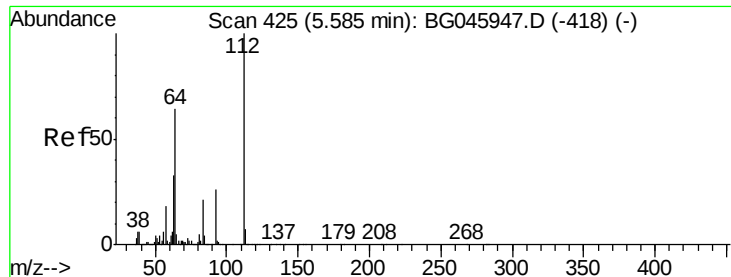
Ion Ratio Lower Upper

42 100

74 152.6 131.9 197.9

44 13.4 7.7 11.5#





#5

2-Fluorophenol

Concen: 161.874 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

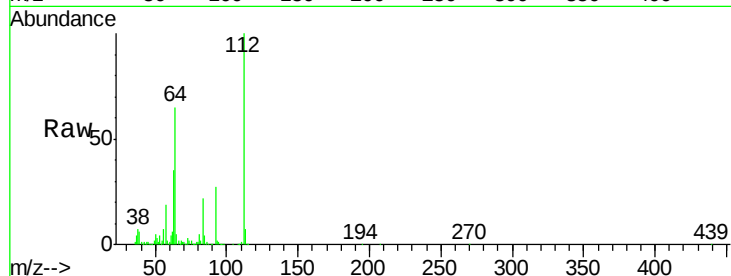
Tot Ion:112 Resp: 1249708

Ion Ratio Lower Upper

112 100

64 65.2 51.4 77.2

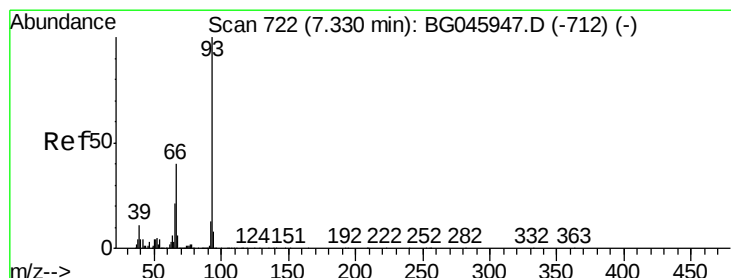
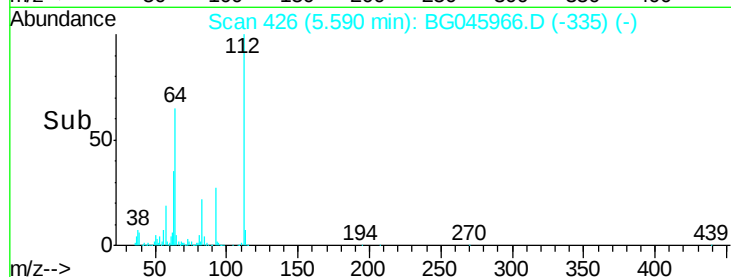
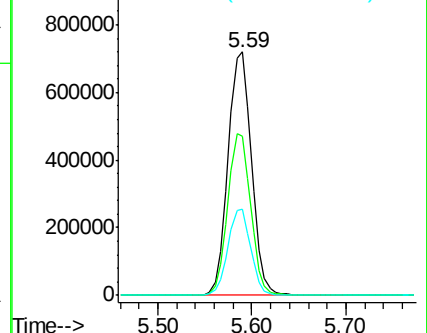
63 35.4 26.6 40.0



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: 10.195 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

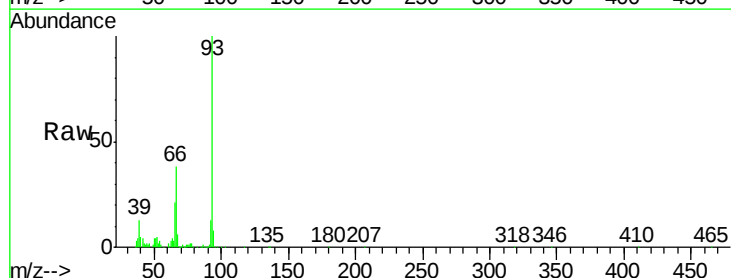
Tgt Ion: 93 Resp: 144956

Ion Ratio Lower Upper

93 100

66 37.7 32.3 48.5

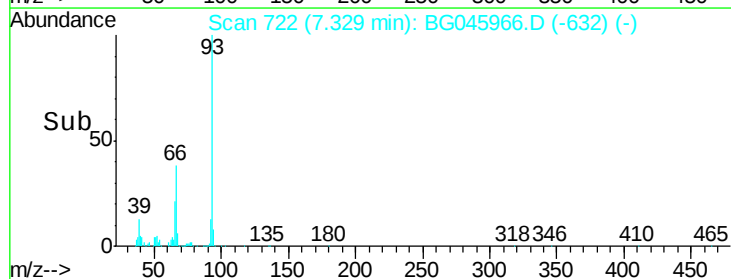
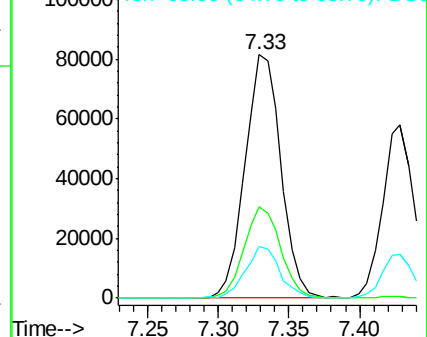
65 21.2 16.6 25.0

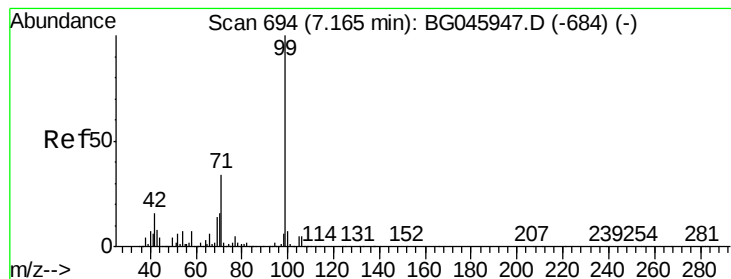


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 158.674 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

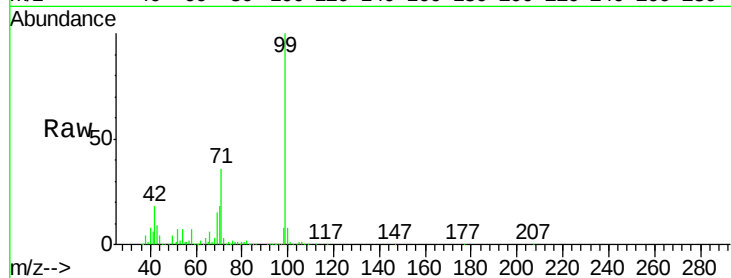
Tot Ion: 99 Resp: 1763651

Ion Ratio Lower Upper

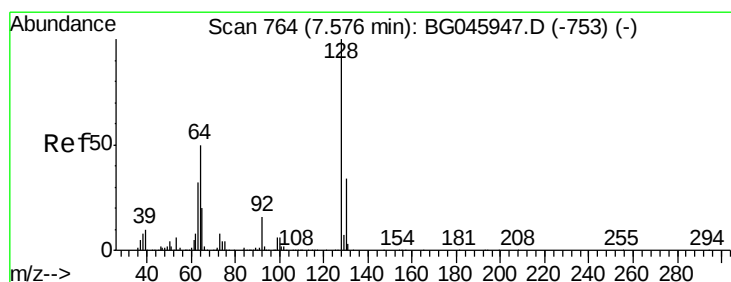
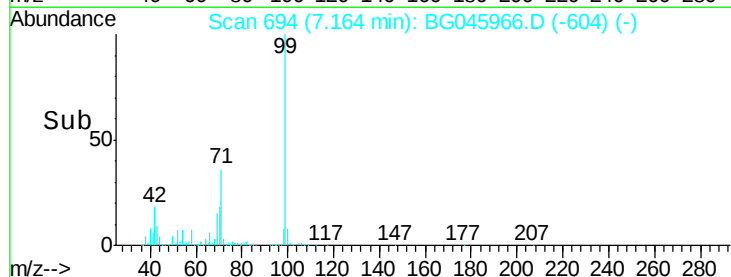
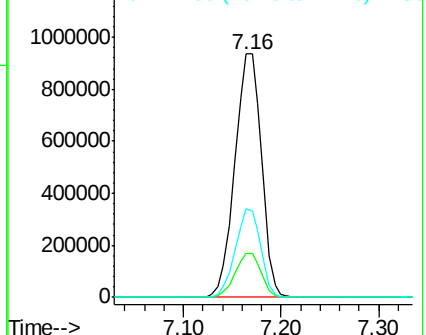
99 100

42 18.0 13.0 19.4

71 36.3 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: 9.583 ng

RT: 7.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

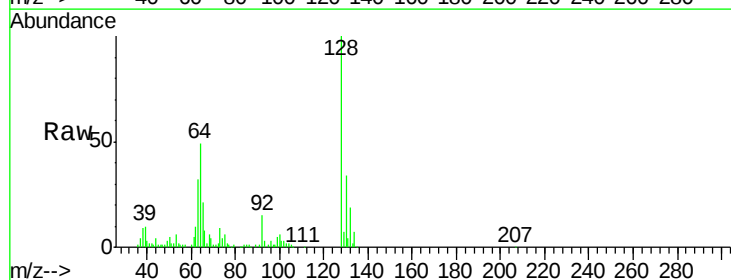
Tgt Ion:128 Resp: 79645

Ion Ratio Lower Upper

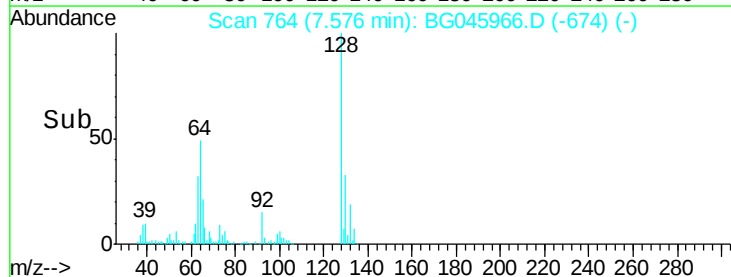
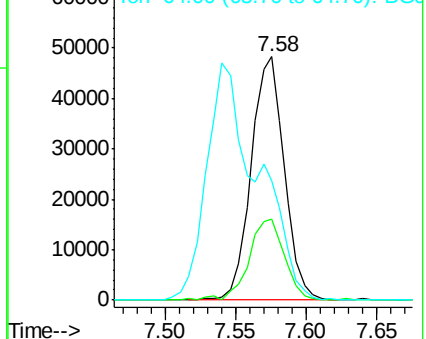
128 100

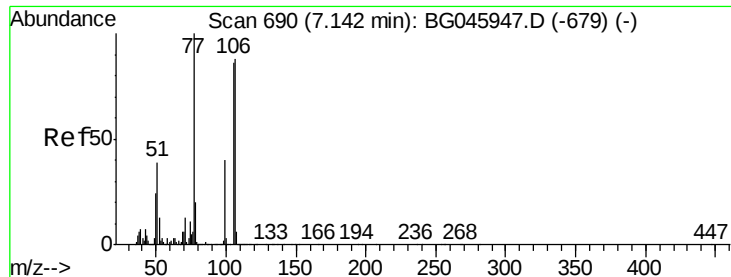
130 33.5 13.6 53.6

64 49.3 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: 13.714 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

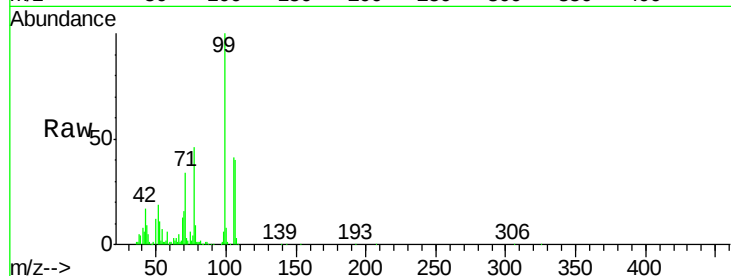
Tot Ion: 77 Resp: 96574

Ion Ratio Lower Upper

77 100

105 89.1 66.0 106.0

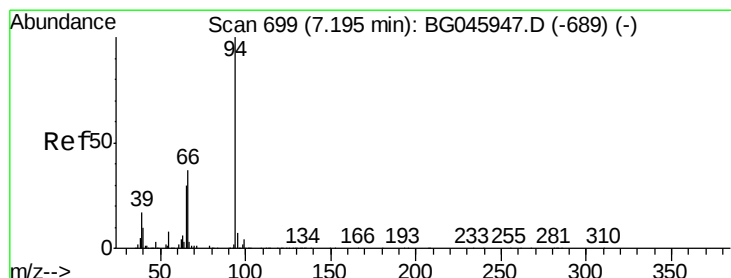
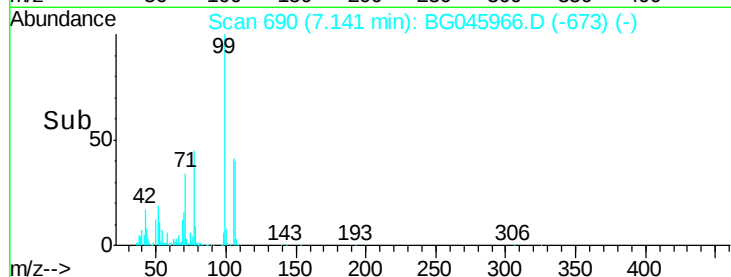
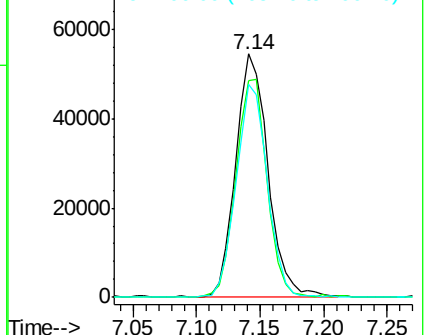
106 87.6 67.7 107.7



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: 9.761 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

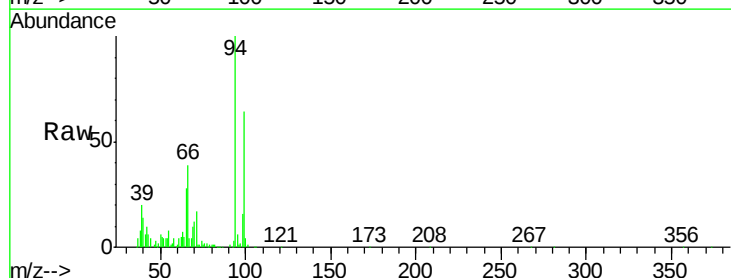
Tgt Ion: 94 Resp: 108827

Ion Ratio Lower Upper

94 100

65 28.3 10.6 50.6

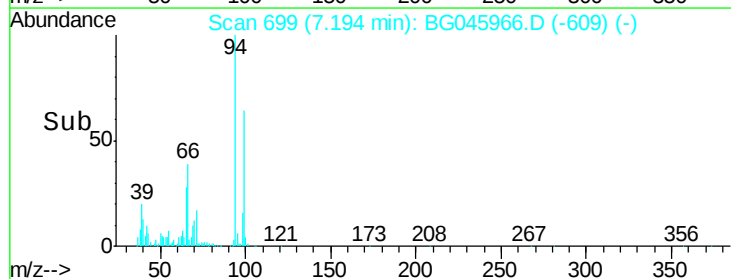
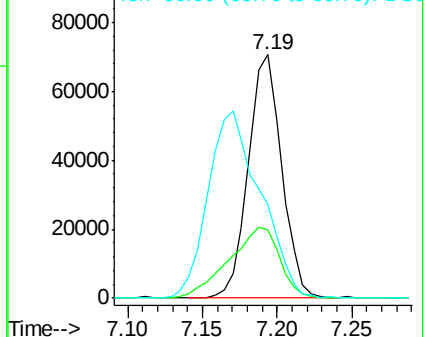
66 38.7 17.1 57.1

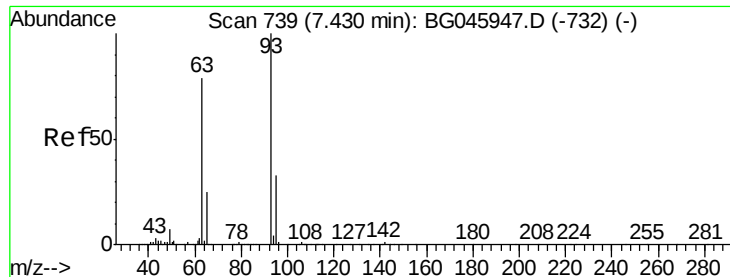


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

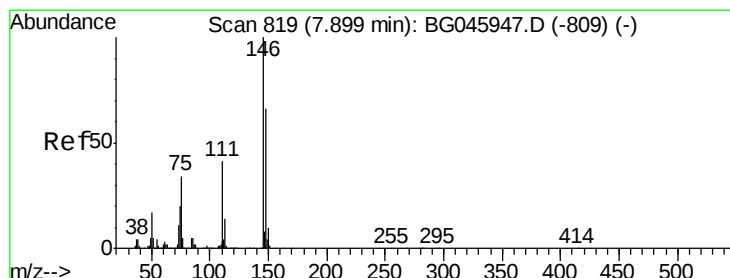
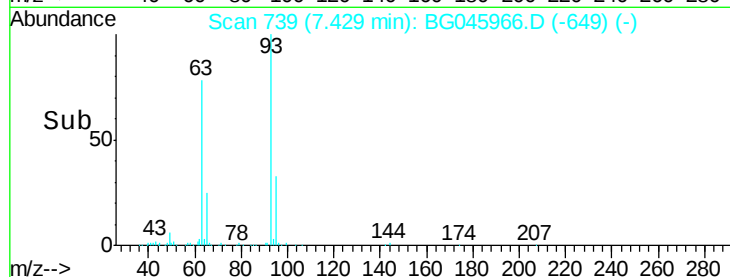
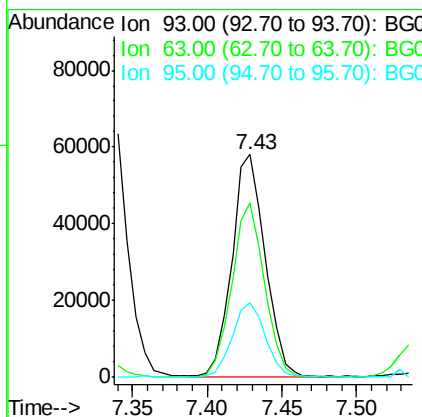
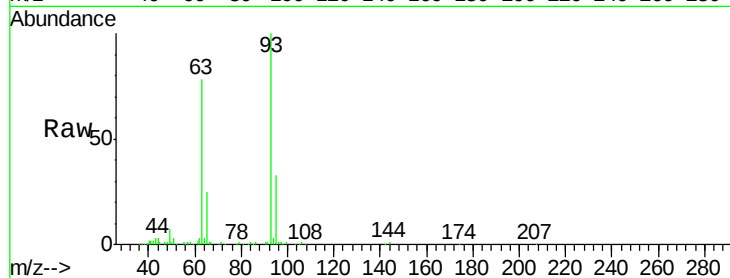




#11
bis(2-Chloroethyl)ether
Concen: 9.813 ng
RT: 7.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

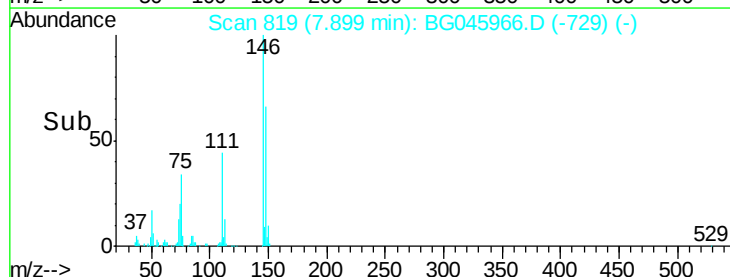
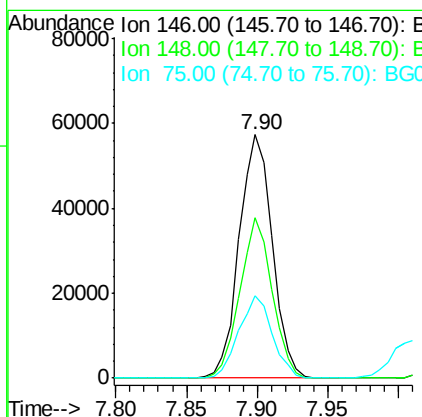
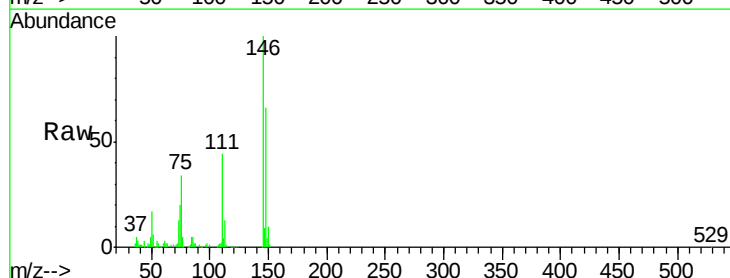
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

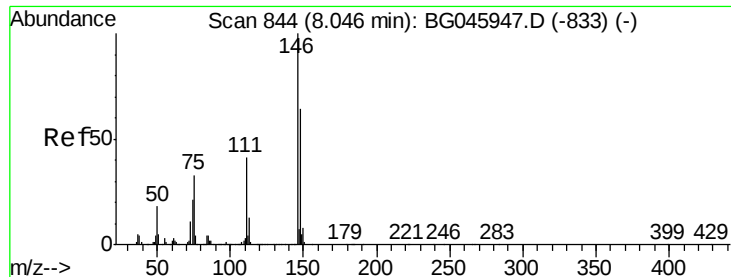
Tot Ion: 93 Resp: 90472
Ion Ratio Lower Upper
93 100
63 78.1 58.6 98.6
95 33.5 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 9.816 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion: 146 Resp: 94027
Ion Ratio Lower Upper
146 100
148 66.0 52.8 79.2
75 33.6 27.2 40.8

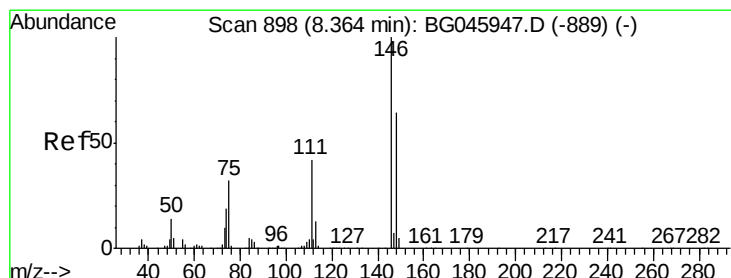
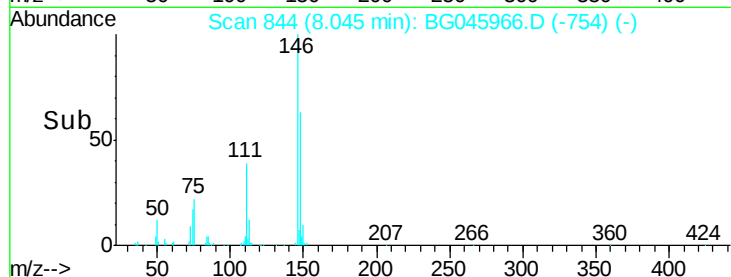
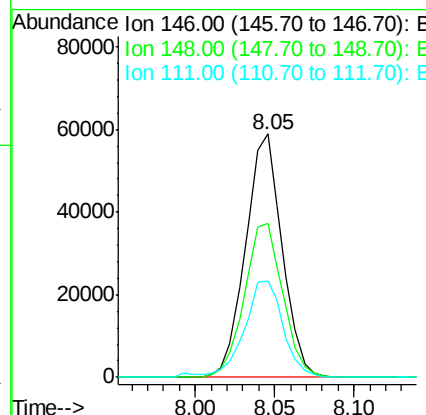
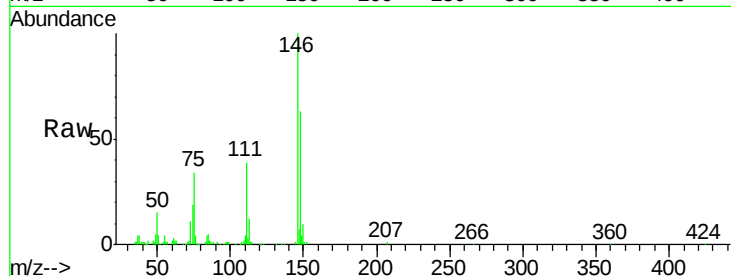




#13
 1,4-Dichlorobenzene
 Concen: 9.962 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

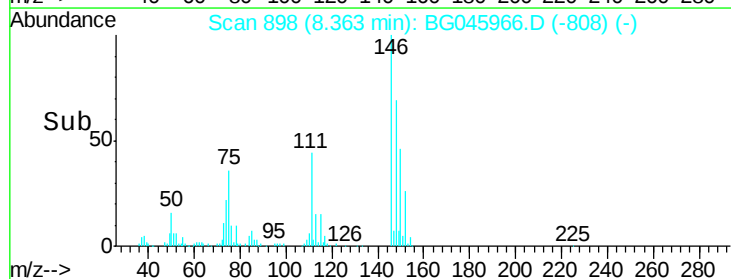
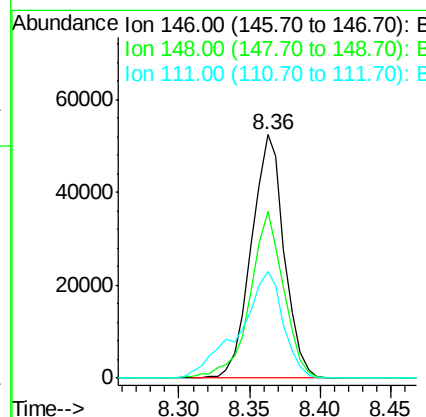
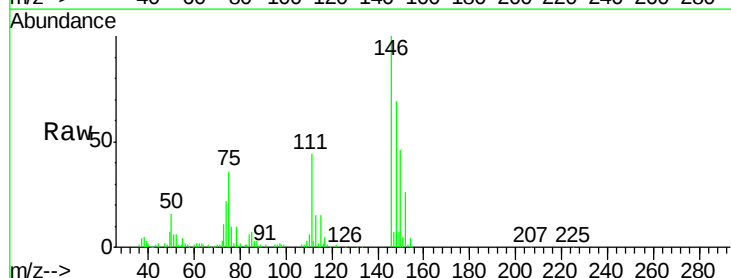
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

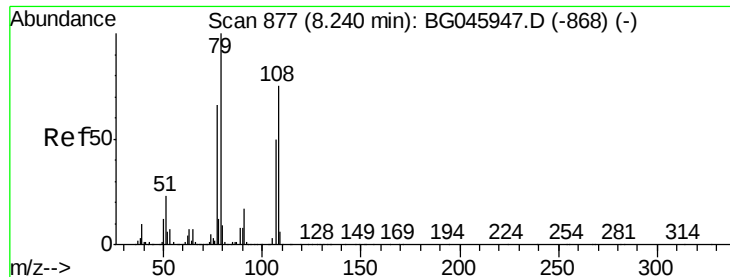
Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.7	77.5
111	39.4	33.3	49.9



#14
 1,2-Dichlorobenzene
 Concen: 9.398 ng
 RT: 8.36 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.8	51.6	77.4
111	43.9	34.0	51.0





#15

Benzyl Alcohol

Concen: 9.841 ng

RT: 8.24 min Scan# 877

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

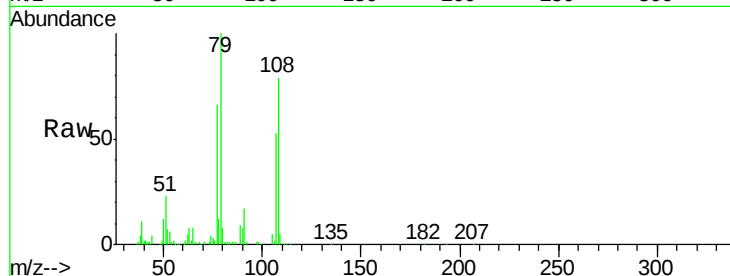
Tot Ion: 79 Resp: 85767

Ion Ratio Lower Upper

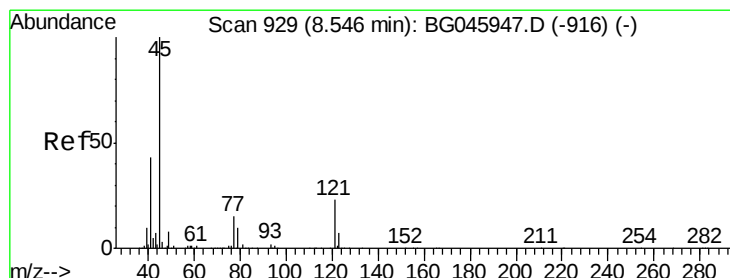
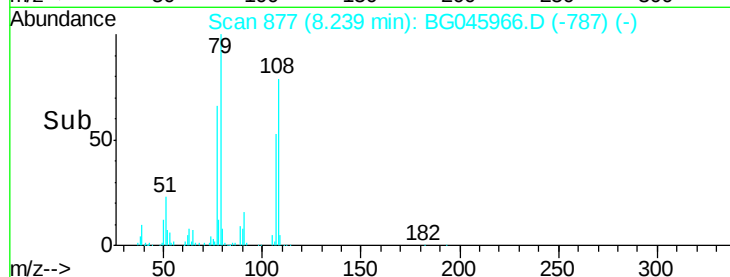
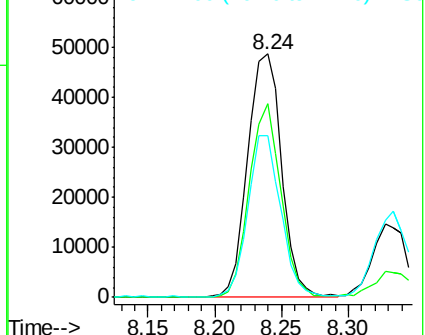
79 100

108 79.5 60.2 90.4

77 66.2 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.628 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

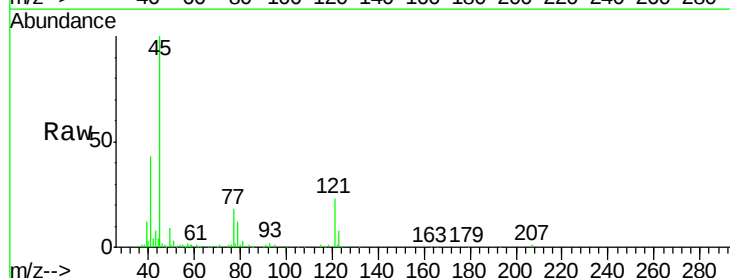
Tgt Ion: 45 Resp: 115824

Ion Ratio Lower Upper

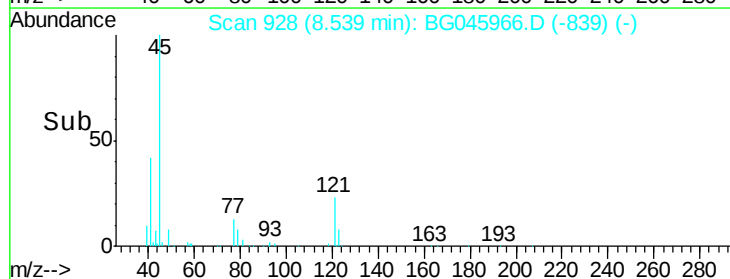
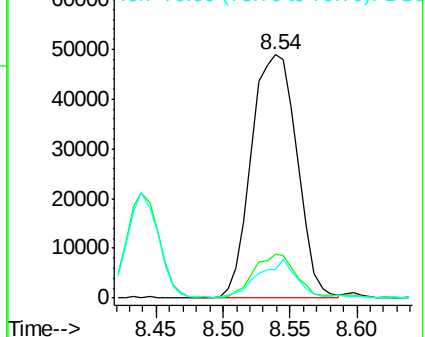
45 100

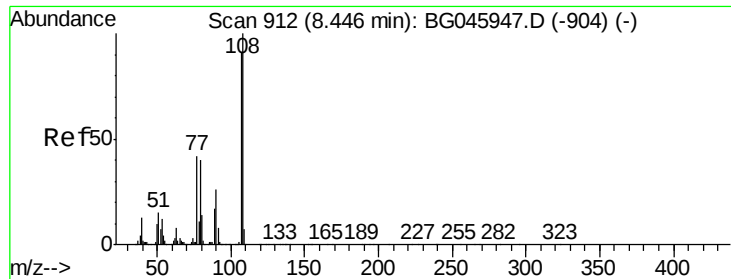
77 17.9 0.0 37.6

79 11.6 0.0 32.6



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

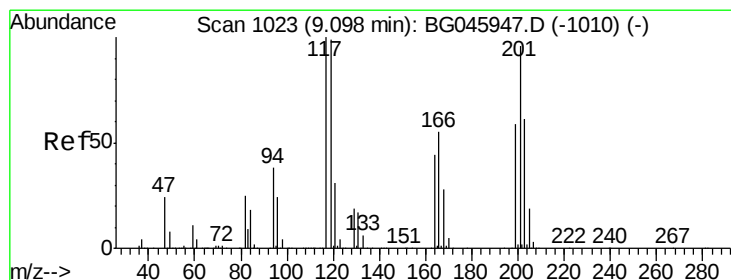
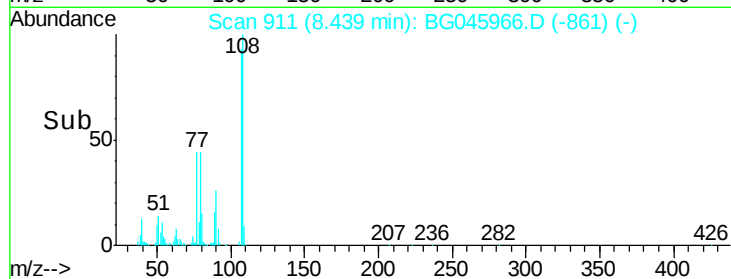
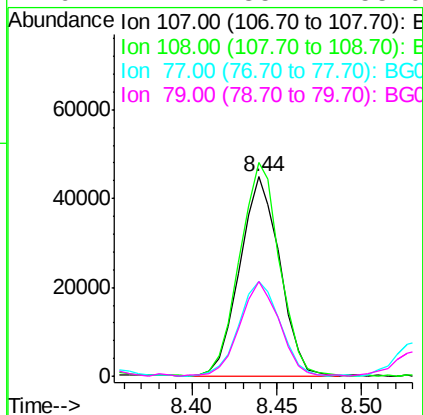
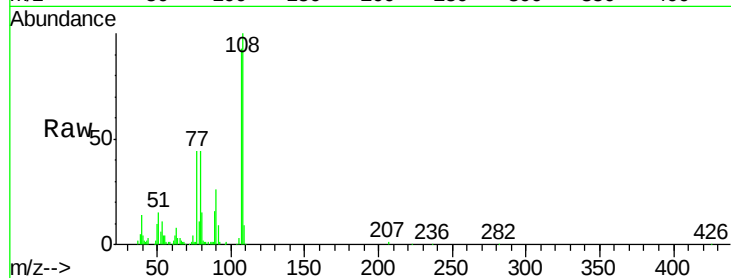




#17
2-Methylphenol
Concen: 8.876 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

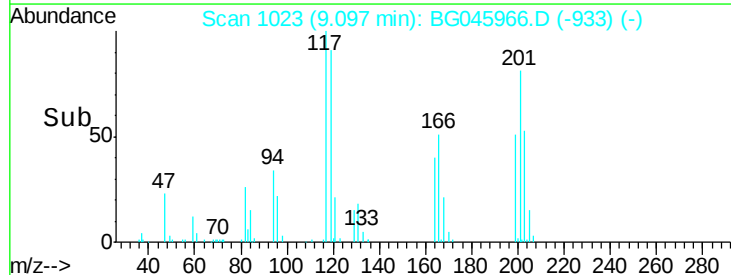
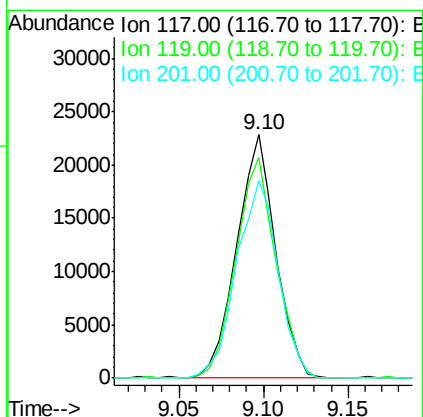
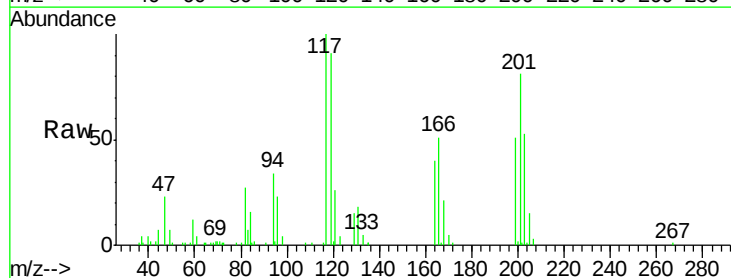
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

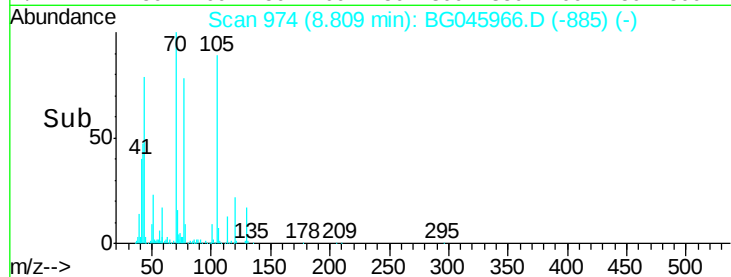
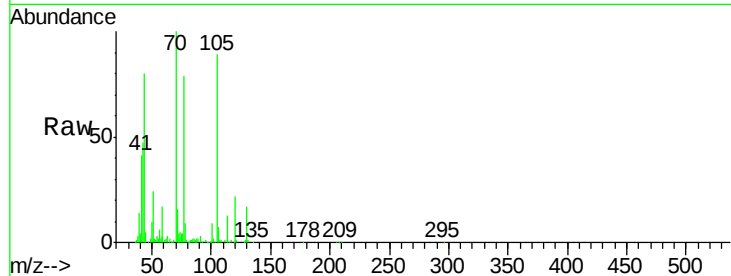
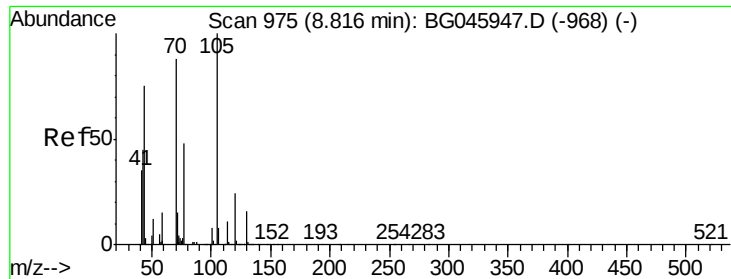
Tot Ion:	107	Resp:	74259
Ion	Ratio	Lower	Upper
107	100		
108	107.0	88.2	132.4
77	47.3	37.0	55.4
79	47.2	35.4	53.0



#18
Hexachloroethane
Concen: 10.099 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:	117	Resp:	36618
Ion	Ratio	Lower	Upper
117	100		
119	90.5	79.5	119.3
201	81.0	77.0	115.4

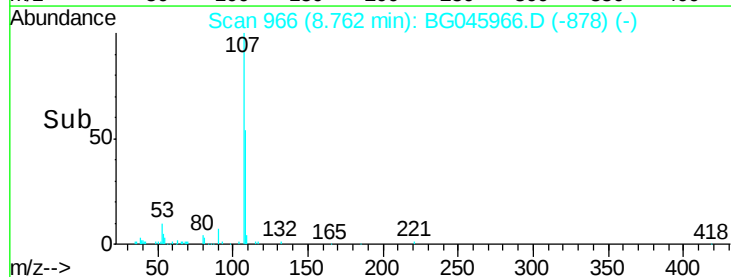
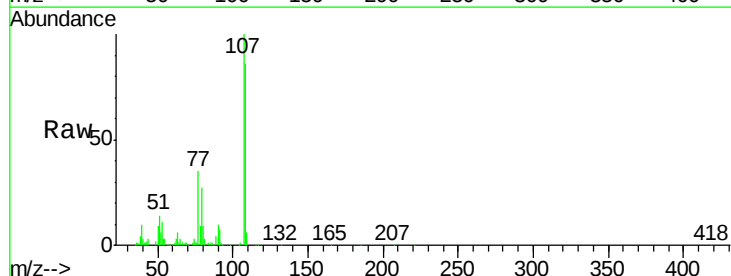
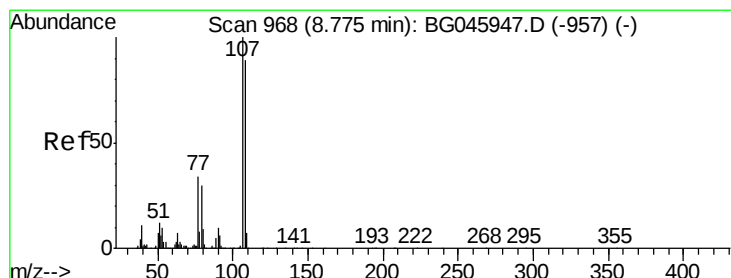
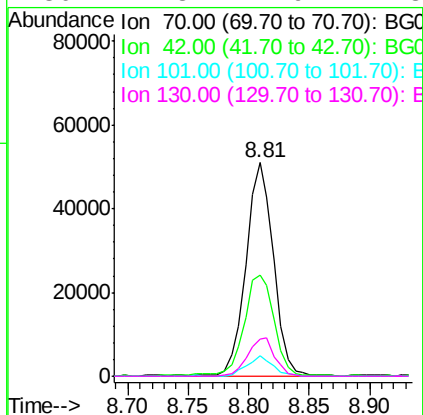




#19
n-Nitroso-di-n-propylamine
Concen: 10.368 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

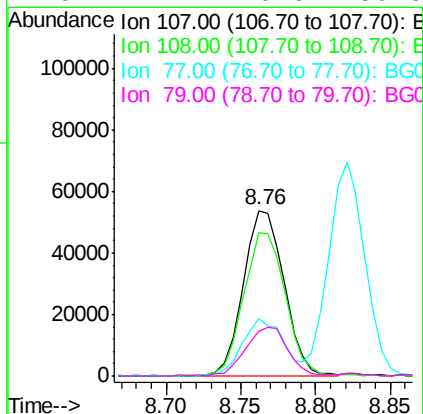
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

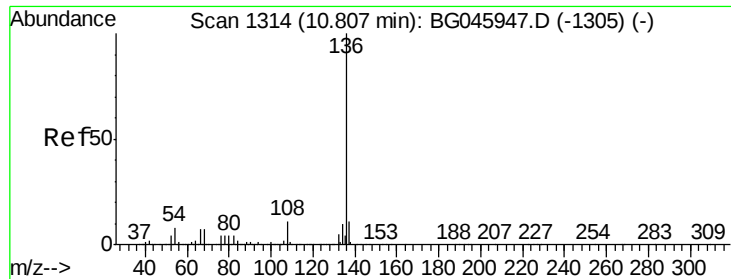
Tot Ion:	70	Resp:	80960
Ion	Ratio	Lower	Upper
70	100		
42	47.2	41.4	62.0
101	9.4	7.1	10.7
130	17.3	14.9	22.3



#20
3+4-Methylphenols
Concen: 8.893 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:	107	Resp:	101401
Ion	Ratio	Lower	Upper
107	100		
108	86.3	68.7	108.7
77	35.0	14.6	54.6
79	27.1	10.6	50.6

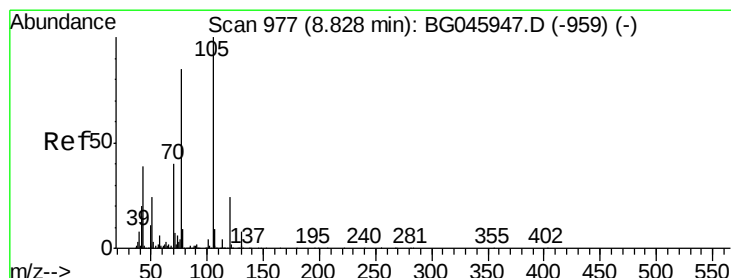
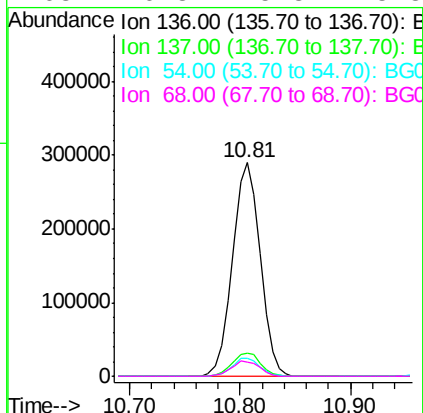
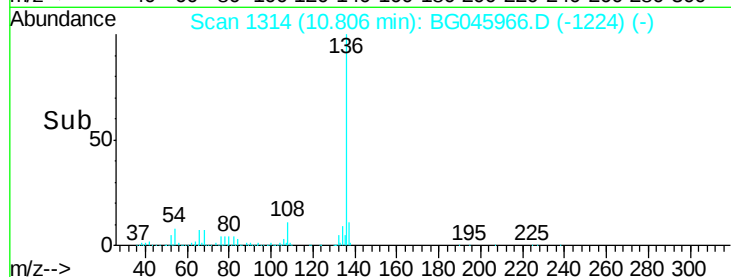
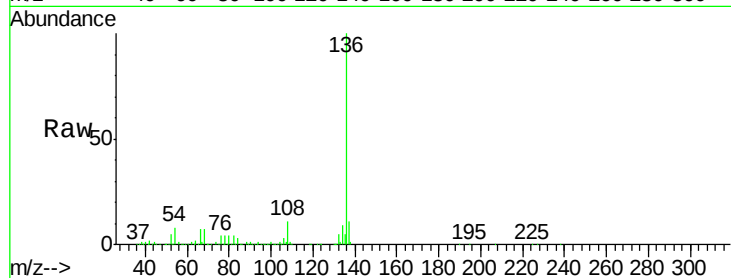




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

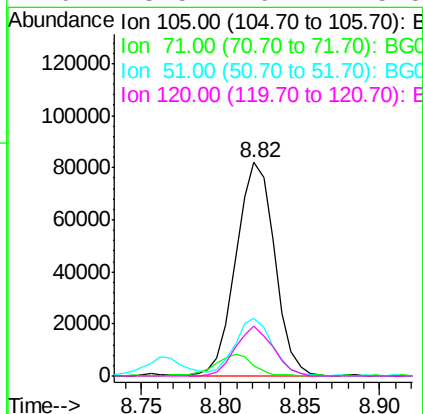
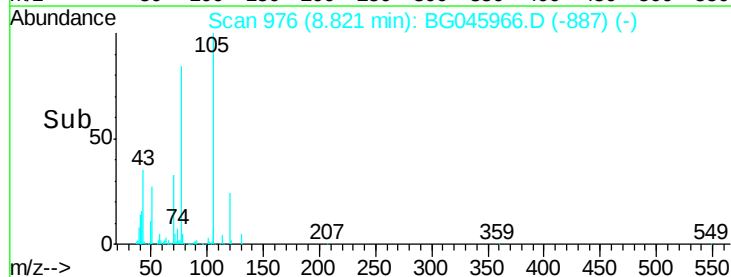
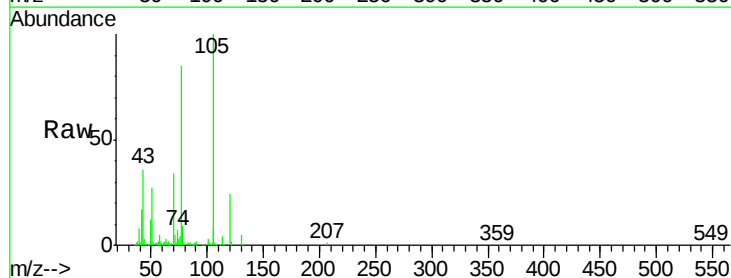
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

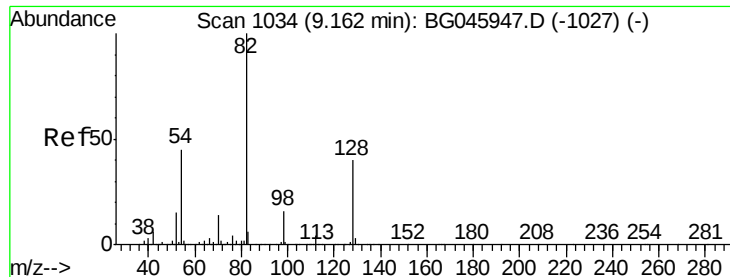
Tot Ion:136	Resp:	511070	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	9.2	13.8	
54 8.4	6.2	9.4	
68 6.8	5.8	8.8	



#22
Acetophenone
Concen: 10.182 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt	Ion:105	Resp:	139021
Ion	Ratio	Lower	Upper
105	100		
71	5.0	6.2	9.2#
51	27.0	19.7	29.5
120	23.5	19.2	28.8



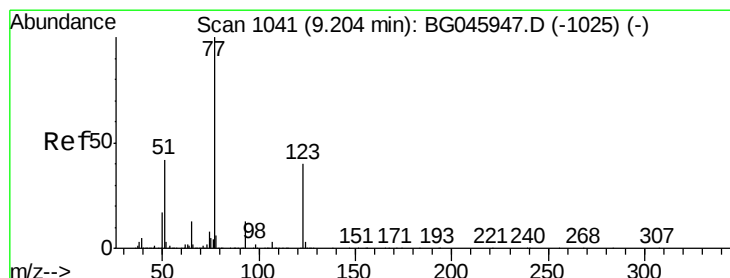
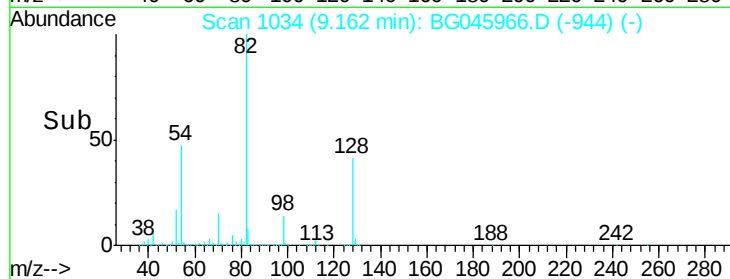
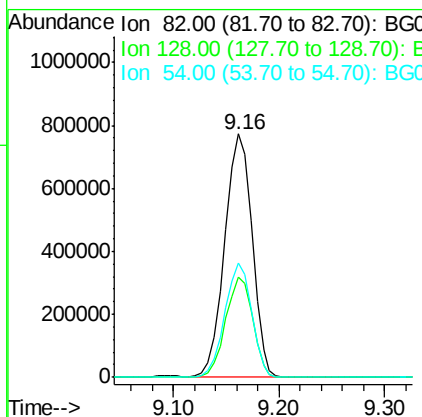
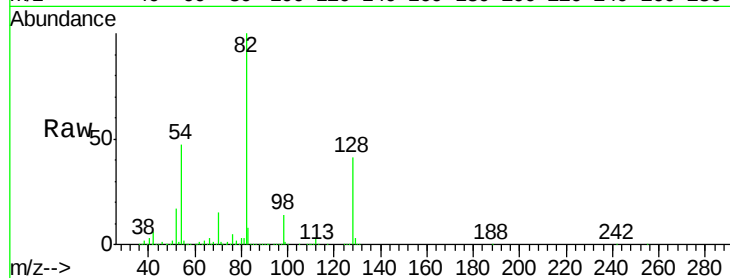


#23
 Nitrobenzene-d5
 Concen: 156.417 ng
 RT: 9.16 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion: 82 Resp: 1388859

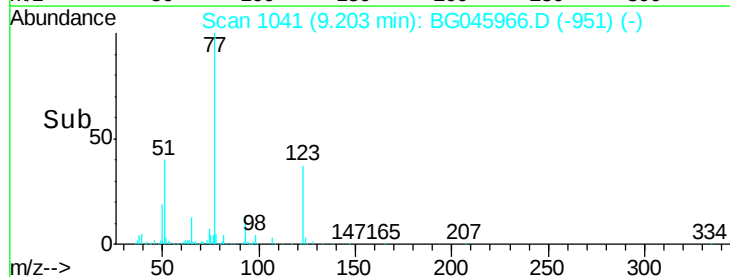
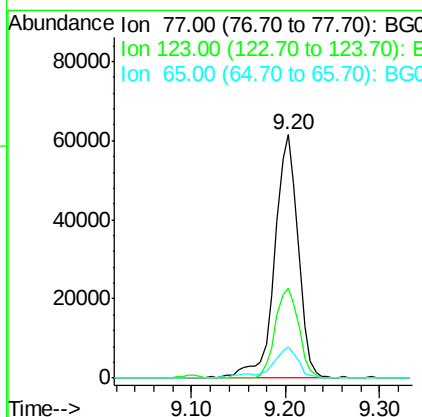
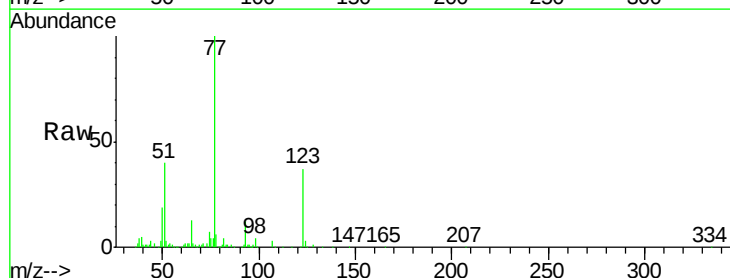
Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.4
54	47.2	35.8	53.6

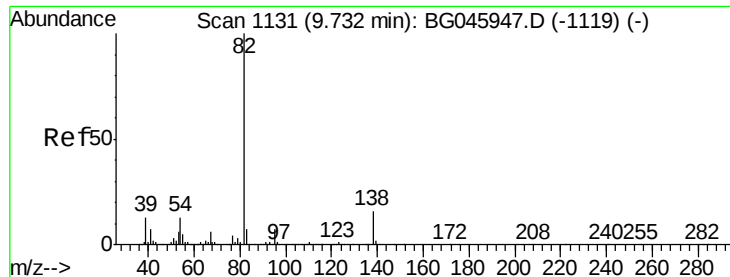


#24
 Nitrobenzene
 Concen: 10.847 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion: 77 Resp: 106305

Ion	Ratio	Lower	Upper
77	100		
123	37.2	32.7	49.1
65	13.0	10.2	15.4

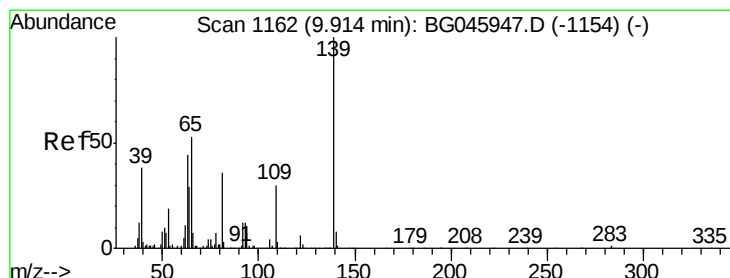
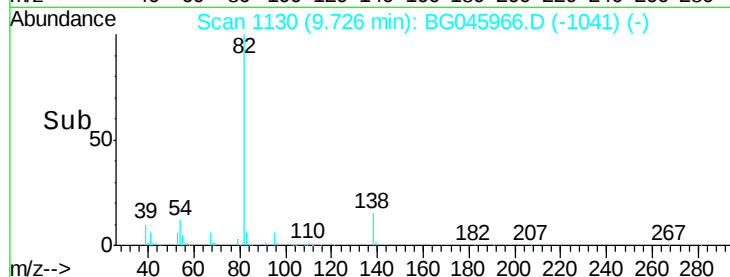
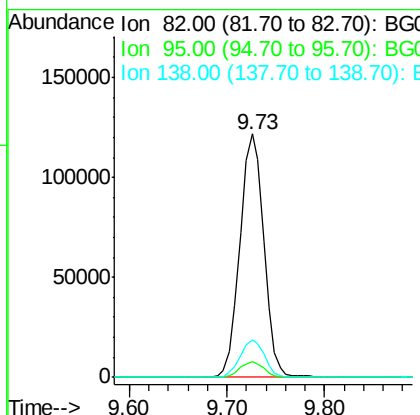
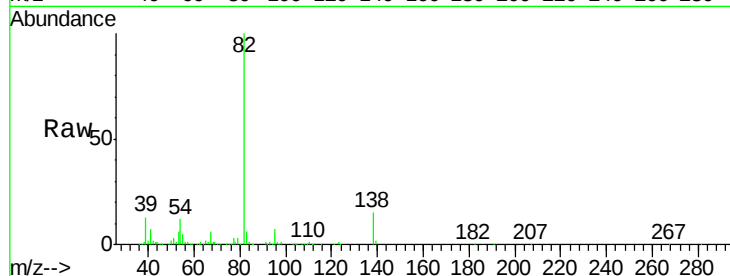




#25
Isophorone
Concen: 9.643 ng
RT: 9.73 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

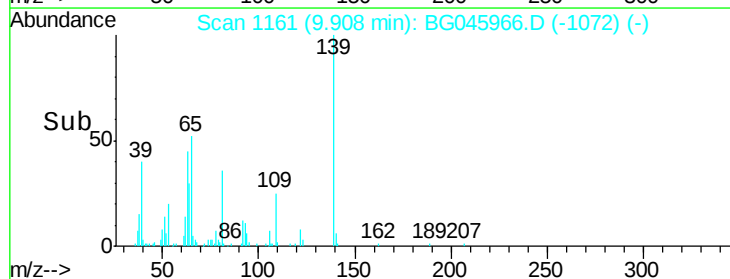
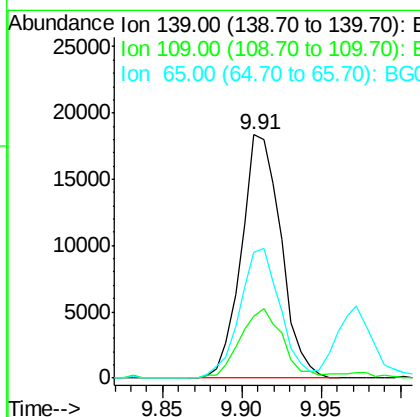
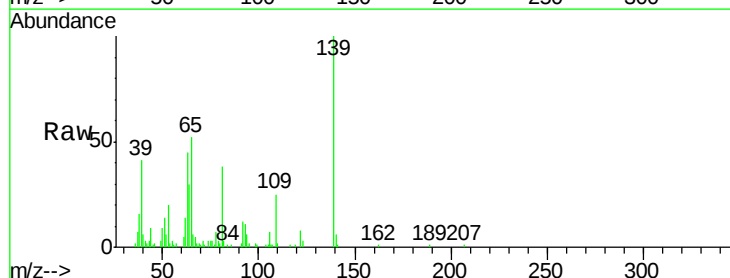
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

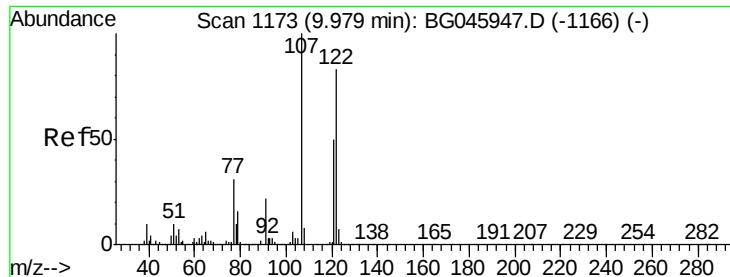
Tot Ion	82	Resp	209031
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.8	8.6
138	15.2	12.9	19.3



#26
2-Nitrophenol
Concen: 9.957 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	139	Resp	31807
Ion Ratio	Lower	Upper	
139	100		
109	25.3	24.6	37.0
65	51.7	42.6	64.0





#27

2,4-Dimethylphenol

Concen: 10.593 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

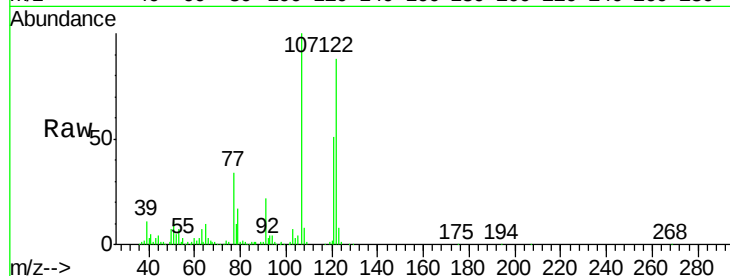
Tot Ion:122 Resp: 81729

Ion Ratio Lower Upper

122 100

107 113.9 95.6 143.4

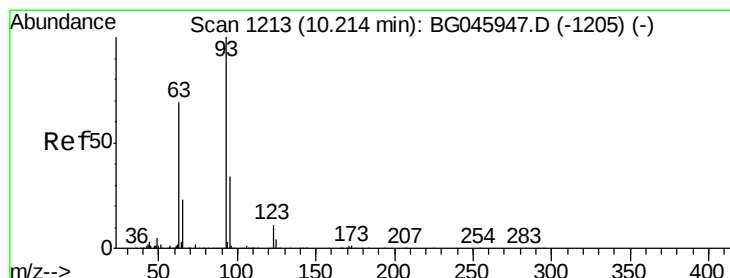
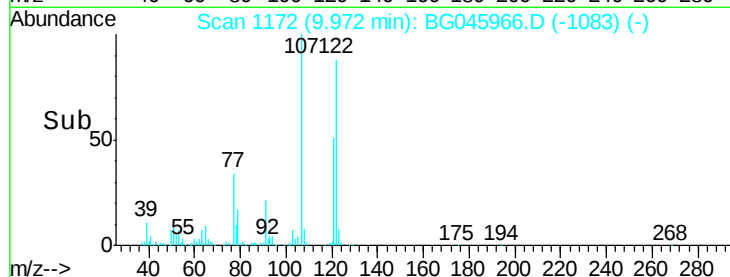
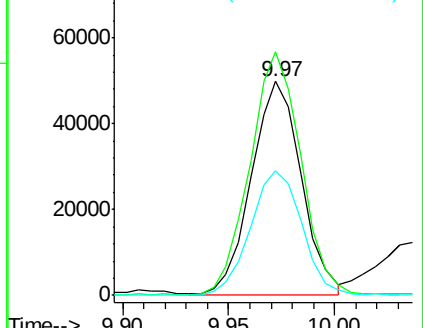
121 58.2 47.7 71.5



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: 10.034 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

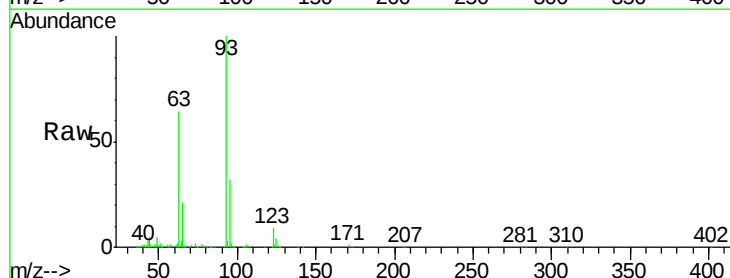
Tgt Ion: 93 Resp: 122141

Ion Ratio Lower Upper

93 100

95 31.8 27.5 41.3

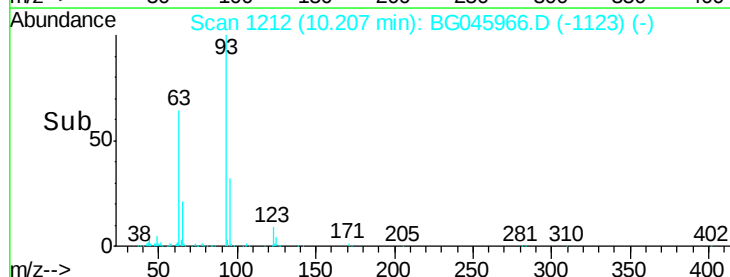
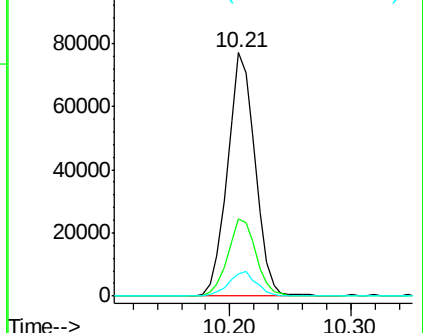
123 9.2 9.2 13.8#

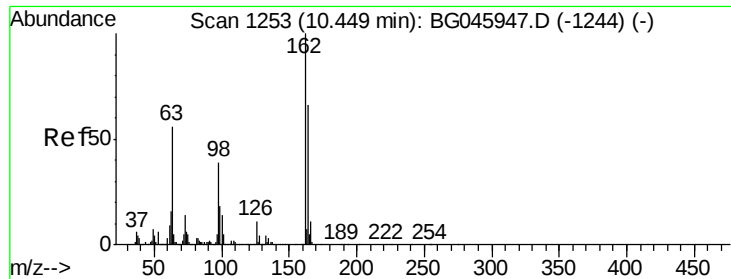


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

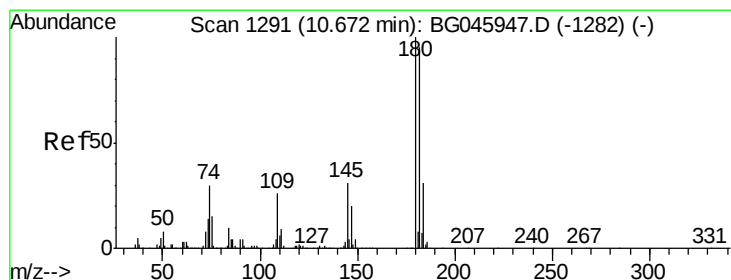
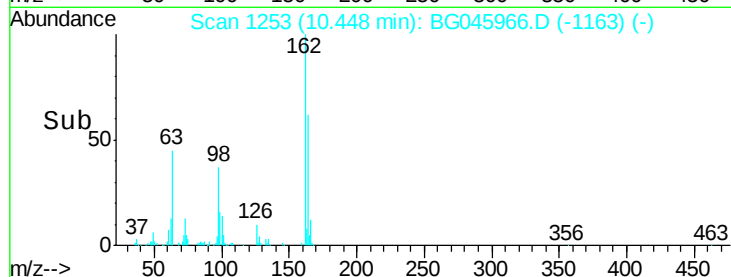
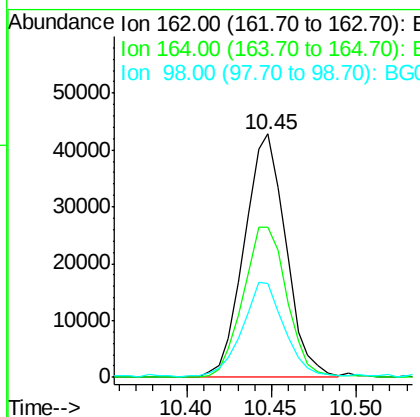
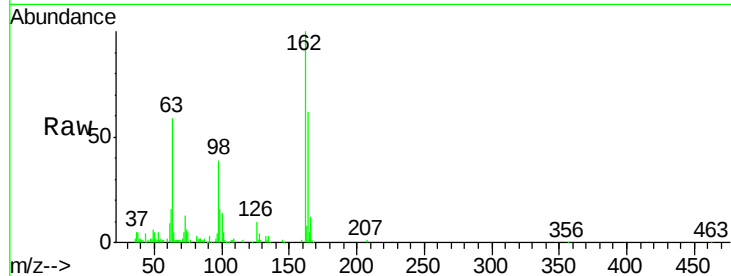




#29
 2,4-Dichlorophenol
 Concen: 9.182 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

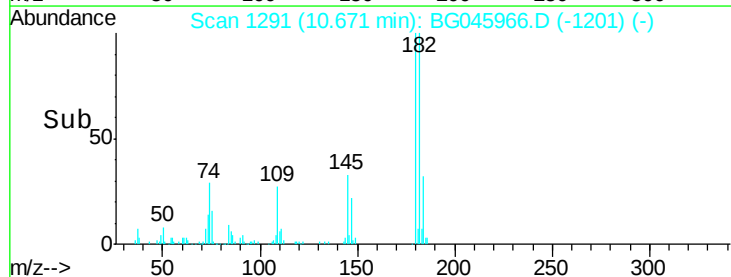
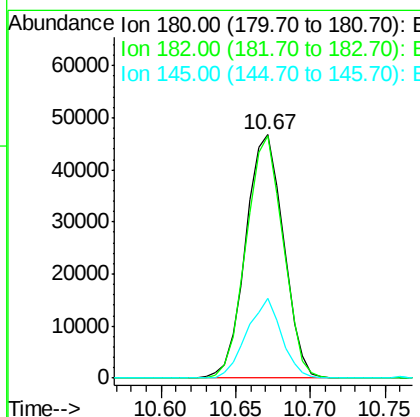
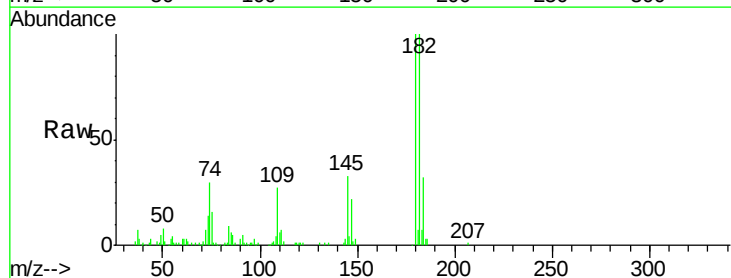
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

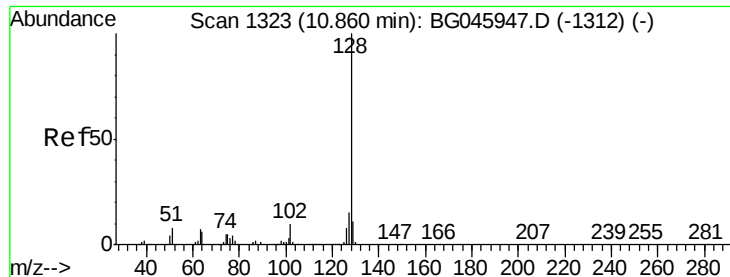
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.9	46.0	86.0
98	38.7	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 9.236 ng
 RT: 10.67 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.3	114.5
145	33.0	24.8	37.2

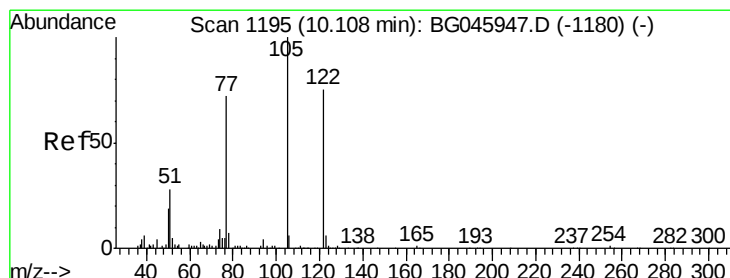
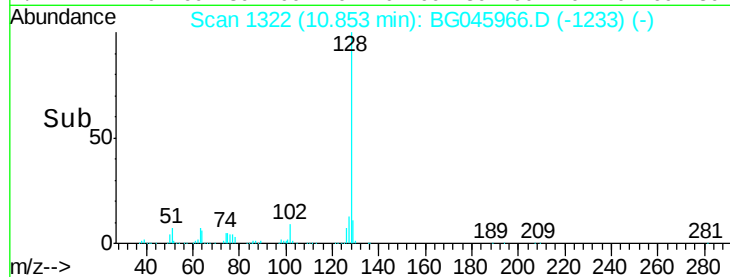
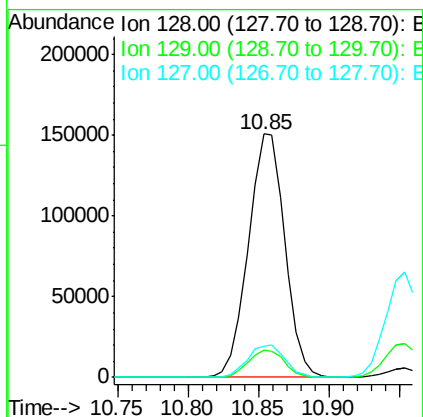
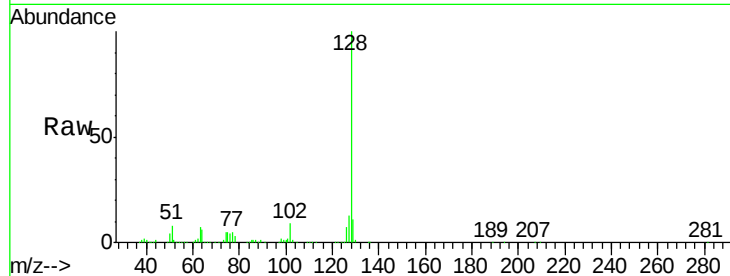




#31
Naphthalene
Concen: 9.895 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

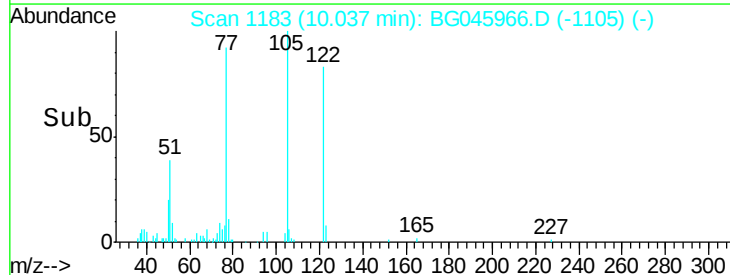
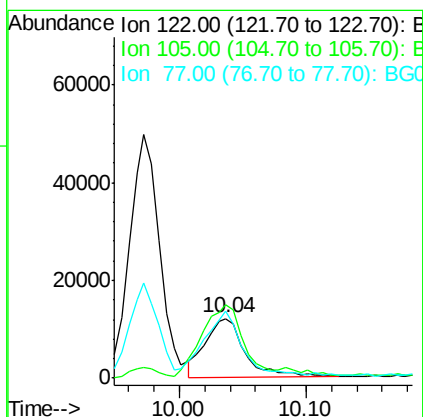
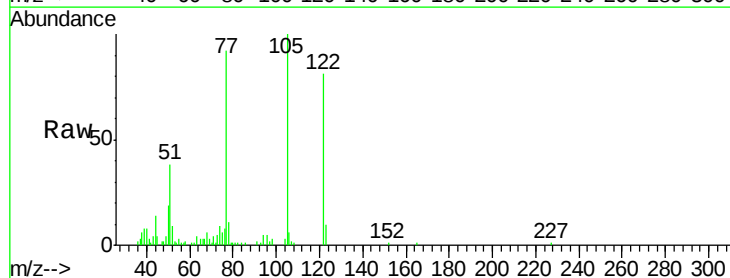
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

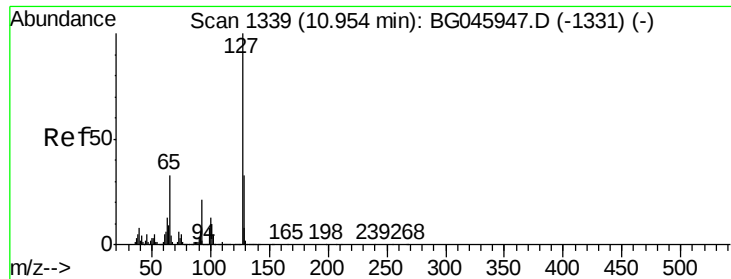
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.0	11.8	17.6



#32
Benzoic acid
Concen: 6.246 ng
RT: 10.04 min Scan# 1183
Delta R.T. -0.07 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.9	110.8	150.8
77	113.0	76.4	116.4

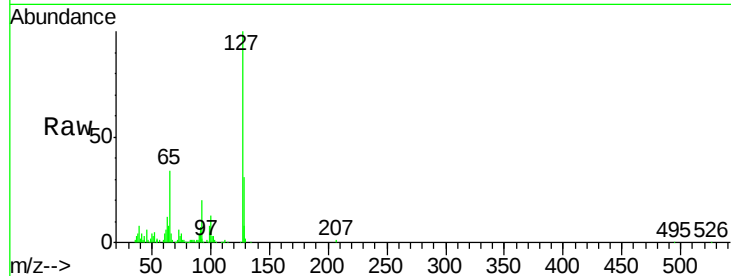




#33
4-Chloroaniline
Concen: 9.370 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion:	127	Resp:	114718
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.6	39.8
65	33.7	26.8	40.2
92	19.9	17.0	25.4

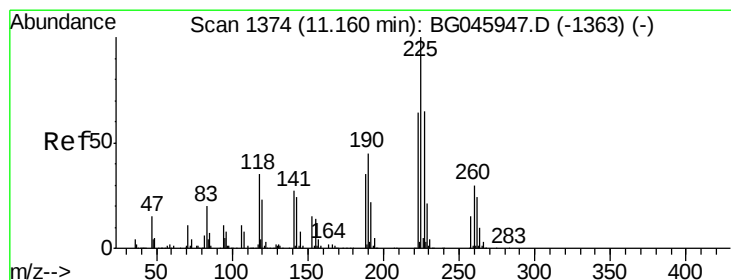
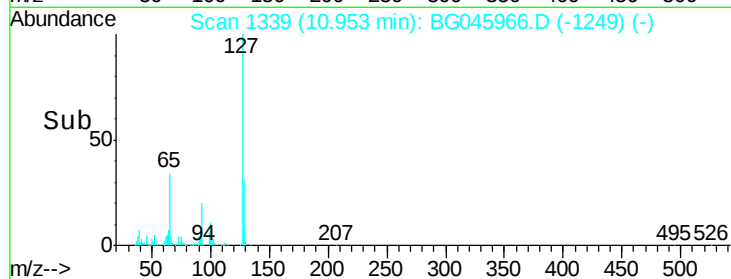
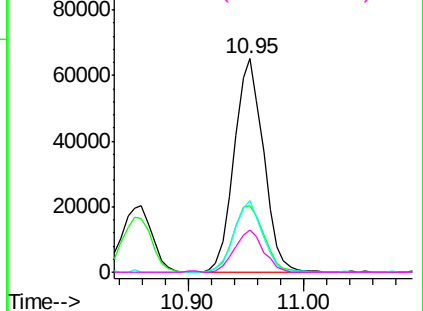


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

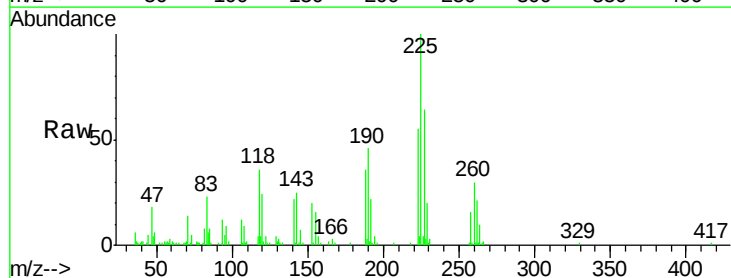
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#34
Hexachlorobutadiene
Concen: 8.906 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

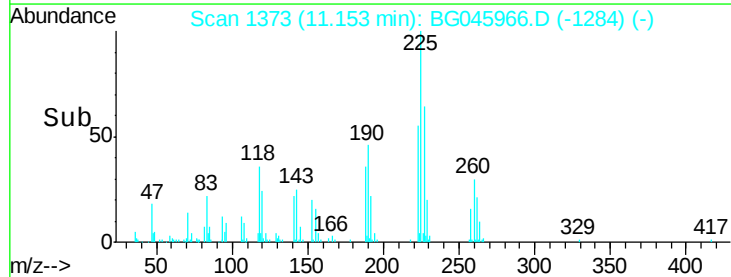
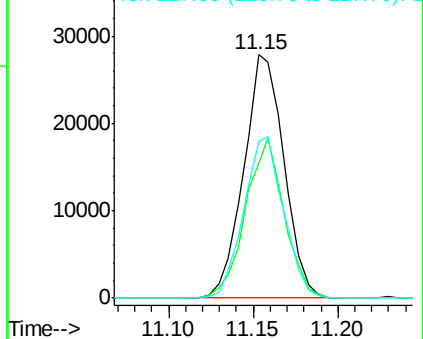
Tgt Ion:	225	Resp:	46020
Ion	Ratio	Lower	Upper
225	100		
223	55.4	51.2	76.8
227	64.4	52.3	78.5

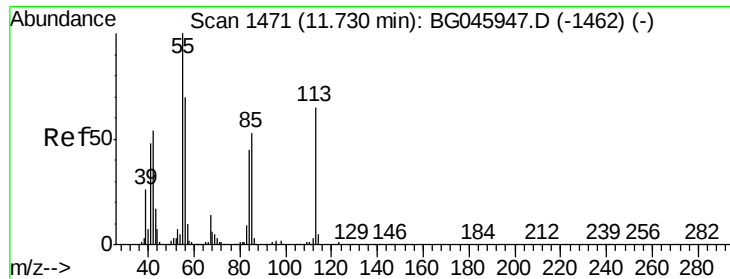


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

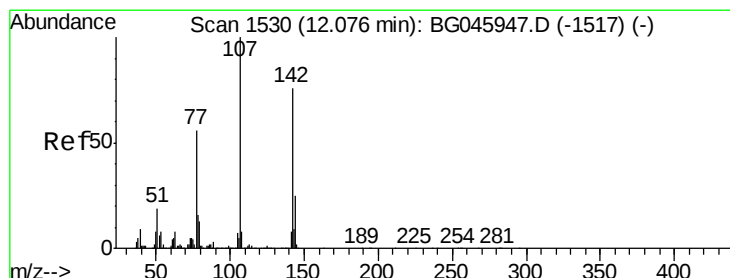
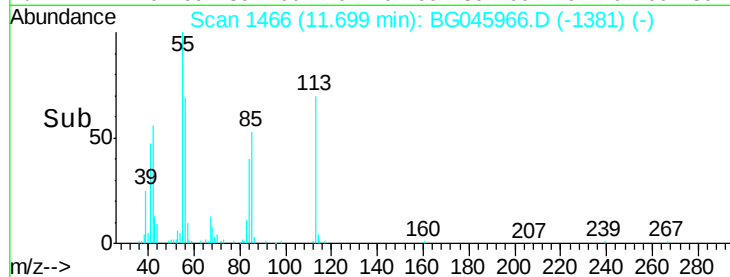
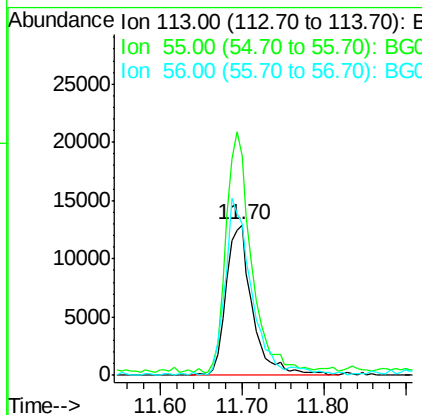
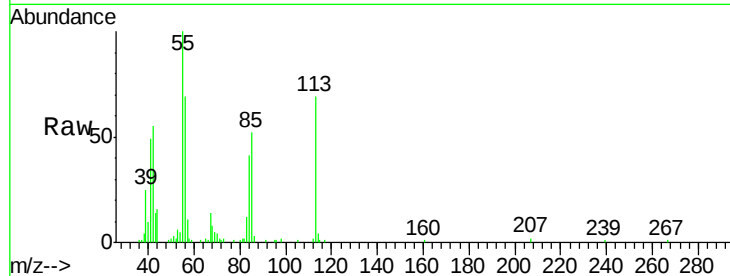




#35
 Caprolactam
 Concen: 9.532 ng
 RT: 11.70 min Scan# 1466
 Delta R.T. -0.03 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

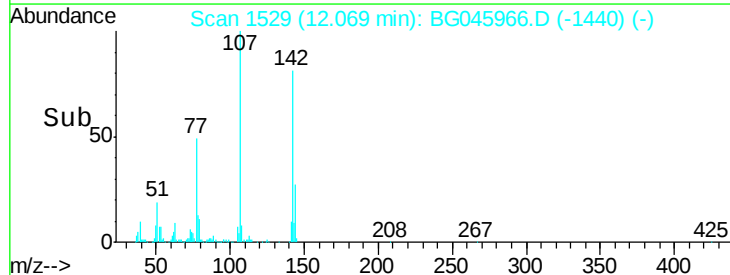
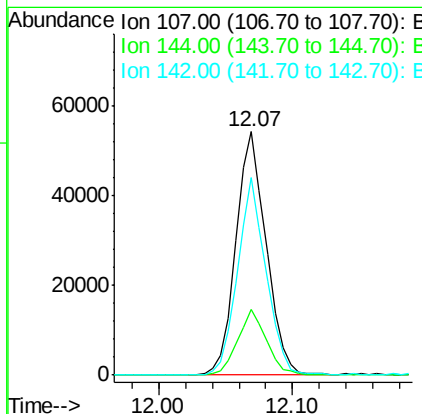
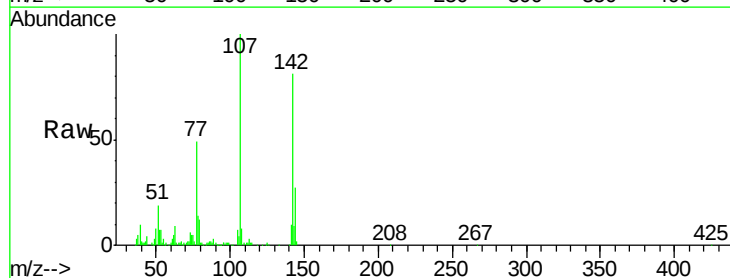
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

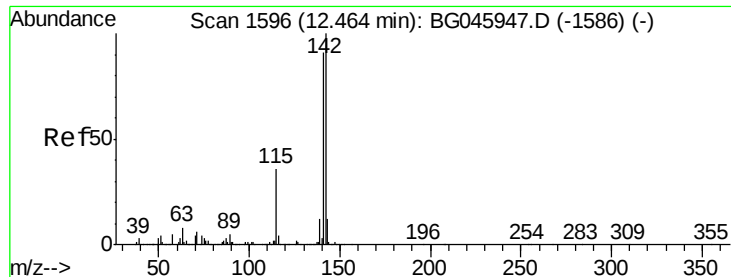
Tot Ion:113 Resp: 28907
 Ion Ratio Lower Upper
 113 100
 55 145.2 141.6 181.6
 56 100.9 89.6 129.6



#36
 4-Chloro-3-methylphenol
 Concen: 9.388 ng
 RT: 12.07 min Scan# 1529
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:107 Resp: 85399
 Ion Ratio Lower Upper
 107 100
 144 26.8 20.0 30.0
 142 81.0 61.1 91.7

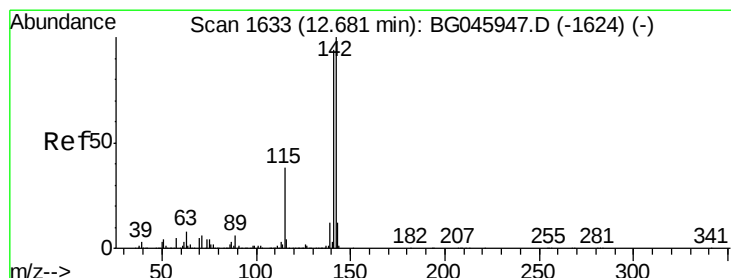
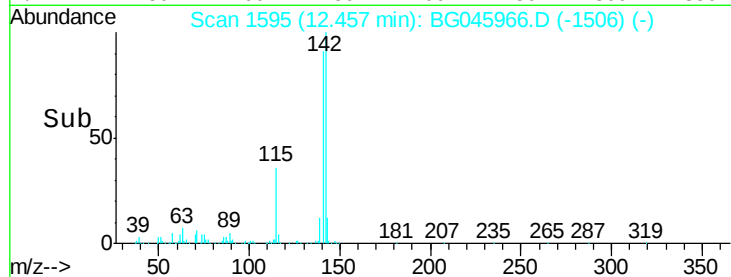
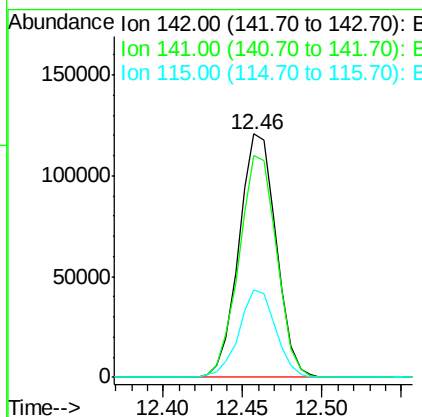
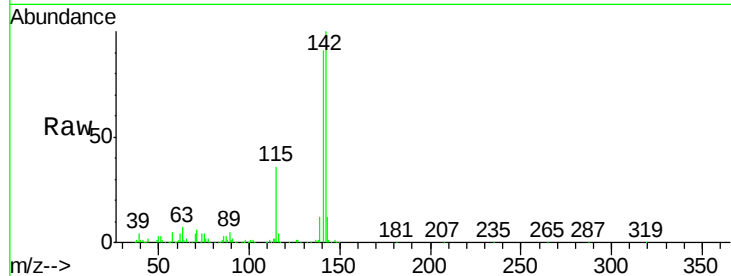




#37
 2-Methylnaphthalene
 Concen: 10.091 ng
 RT: 12.46 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

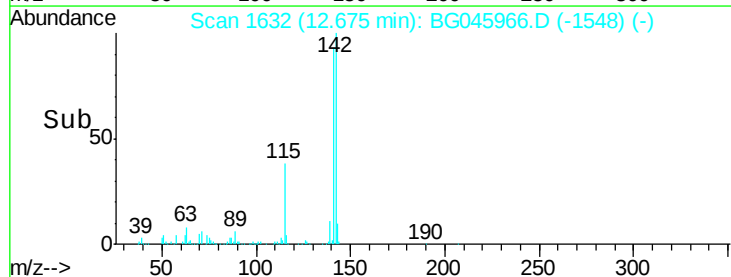
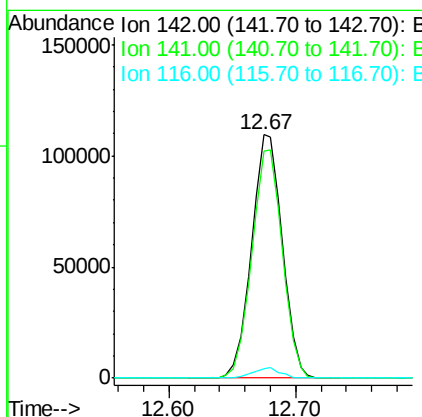
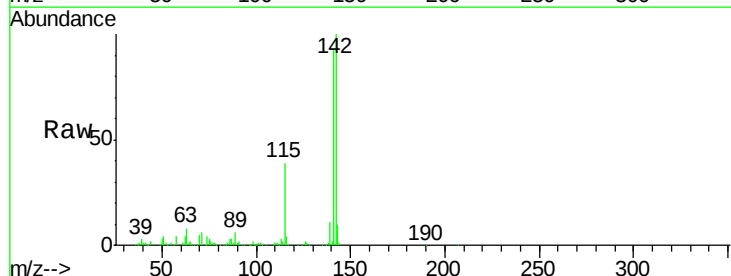
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

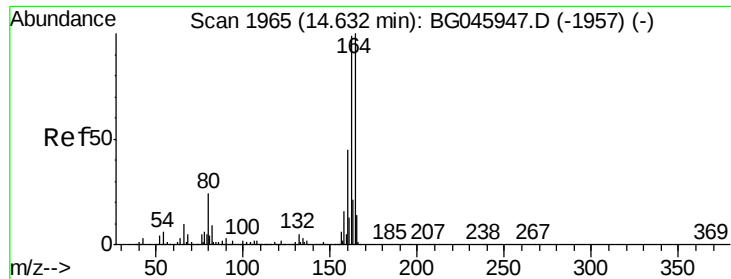
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.0	109.6
115	36.0	28.8	43.2



#38
 1-Methylnaphthalene
 Concen: 10.042 ng
 RT: 12.67 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.5	75.2	112.8
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

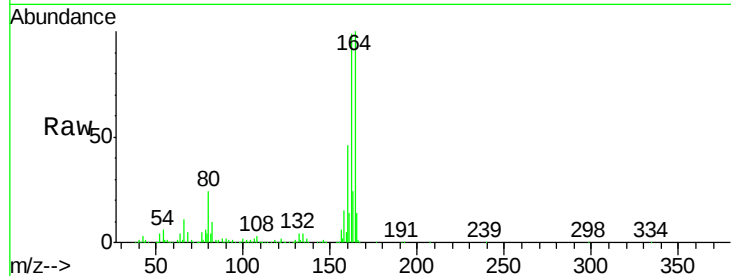
Tot Ion:164 Resp: 304531

Ion Ratio Lower Upper

164 100

162 98.9 79.3 118.9

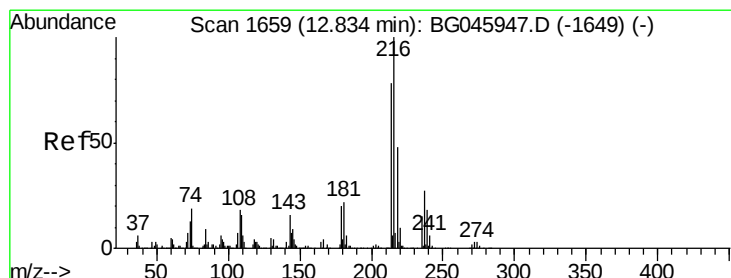
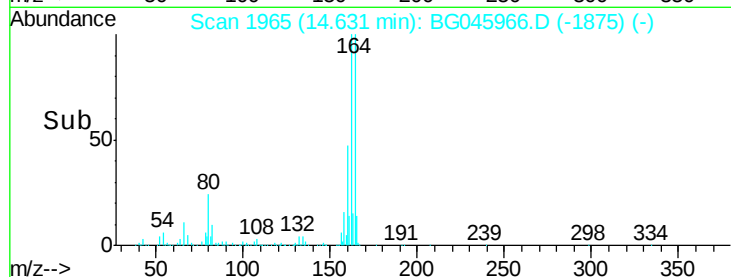
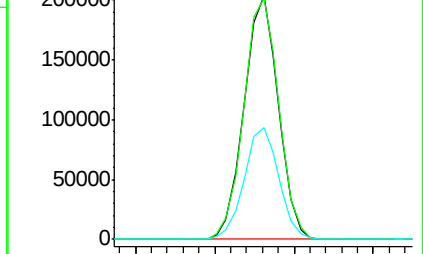
160 46.1 35.7 53.5



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: 10.358 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Tgt Ion:216 Resp: 88914

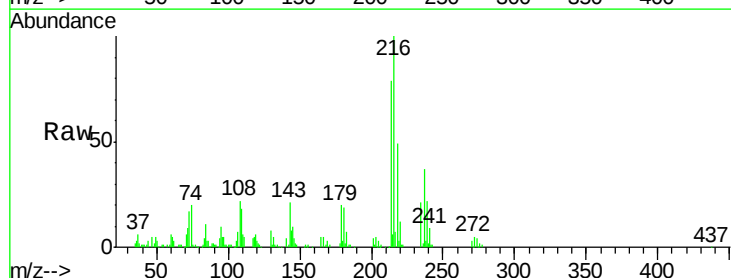
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.4

179 21.2 17.0 25.6

108 22.5 17.3 25.9

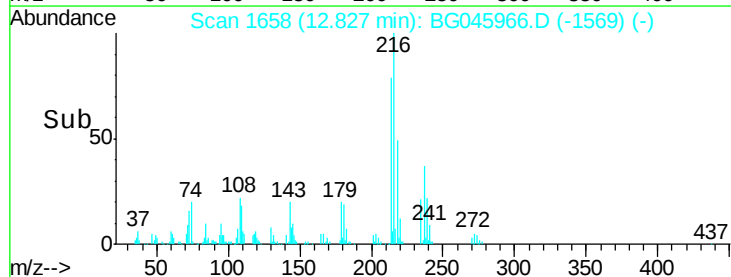
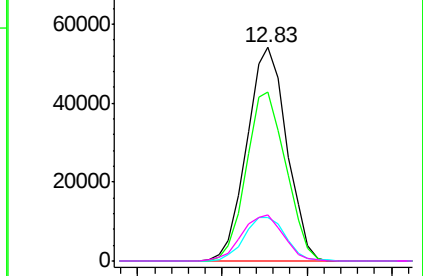


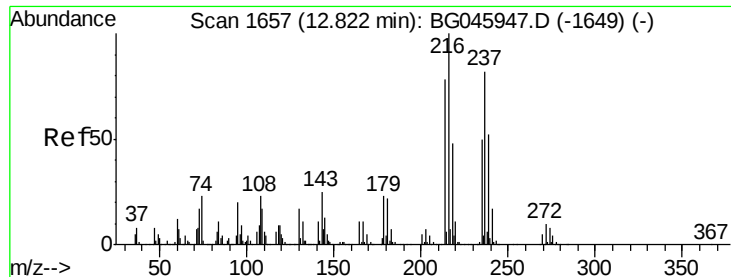
Abundance Ion 216.00 (215.70 to 216.70): E

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: 10.042 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

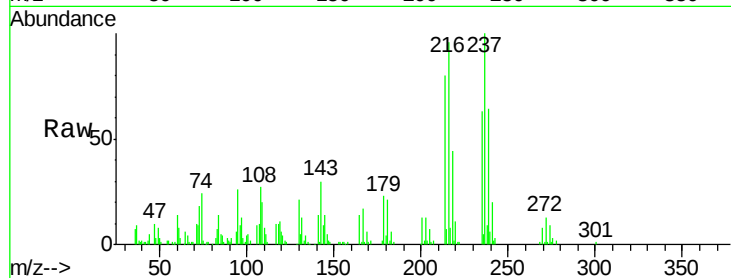
Tot Ion:237 Resp: 51151

Ion Ratio Lower Upper

237 100

235 62.7 41.5 81.5

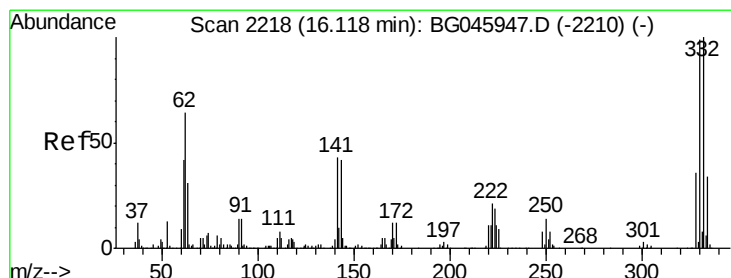
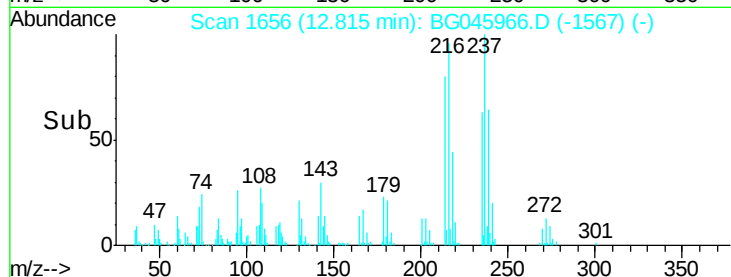
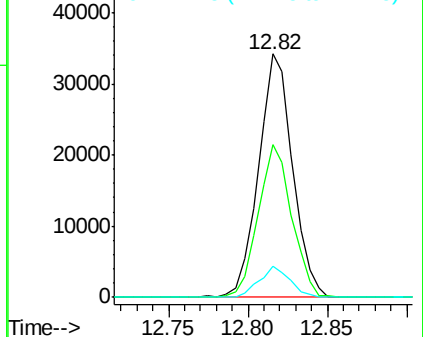
272 12.9 0.0 31.7



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: 177.596 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

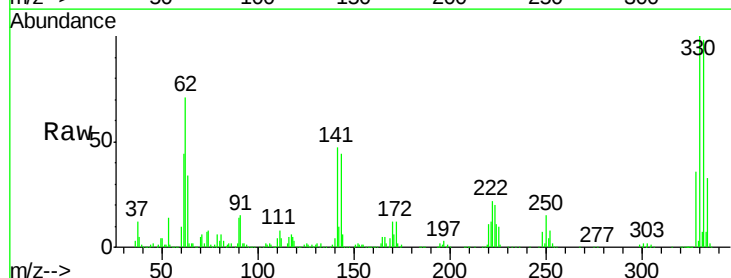
Tgt Ion:330 Resp: 501950

Ion Ratio Lower Upper

330 100

332 97.5 78.3 117.5

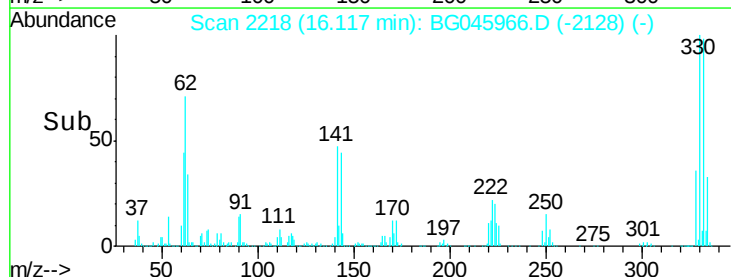
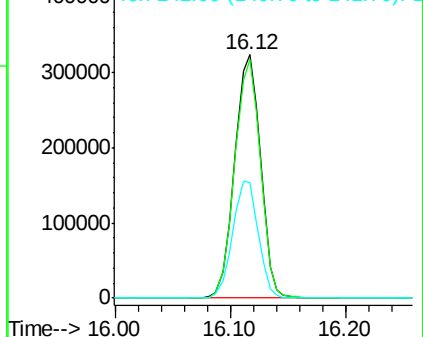
141 47.8 36.6 54.8

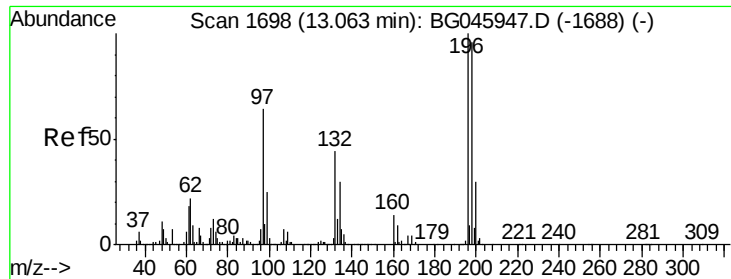


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

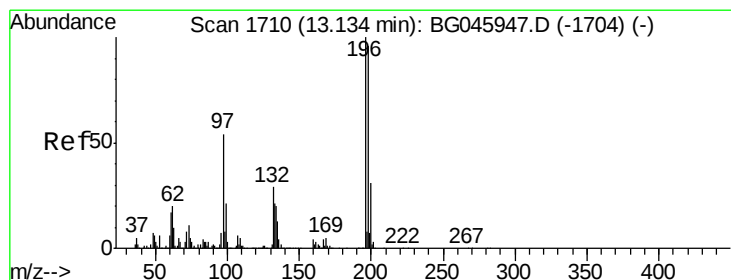
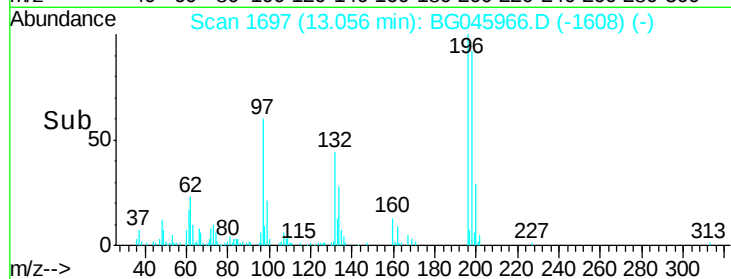
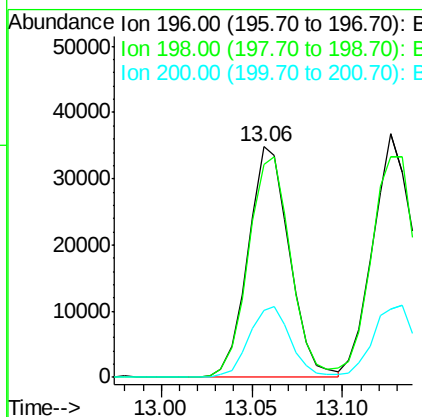
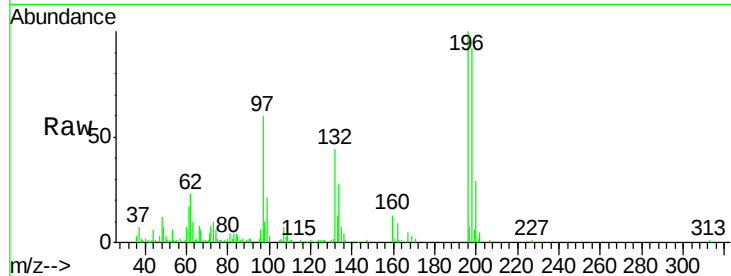




#43
 2,4,6-Trichlorophenol
 Concen: 9.514 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

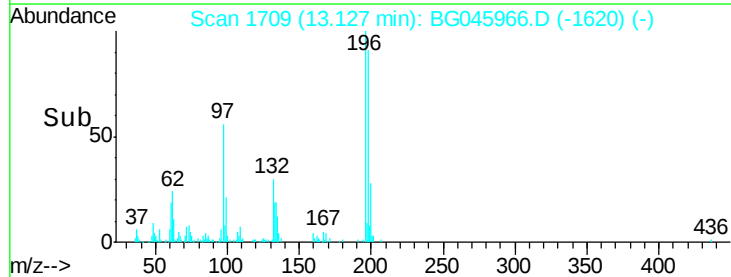
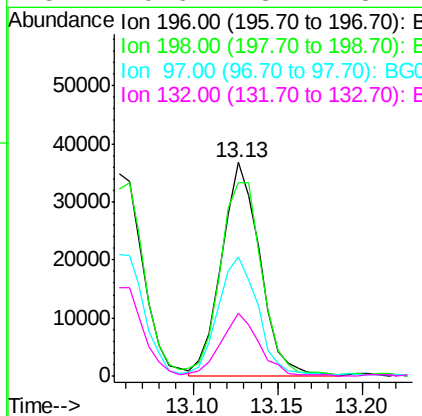
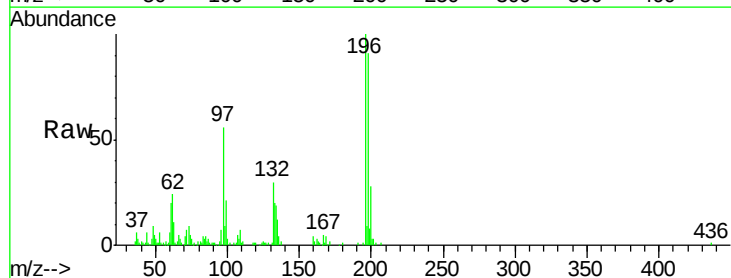
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

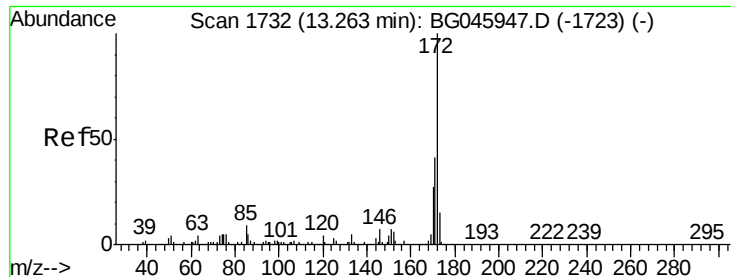
Tot Ion:196 Resp: 55235
 Ion Ratio Lower Upper
 196 100
 198 92.4 76.7 115.1
 200 29.3 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 8.908 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:196 Resp: 58472
 Ion Ratio Lower Upper
 196 100
 198 90.8 77.0 115.6
 97 56.0 44.3 66.5
 132 29.6 23.1 34.7



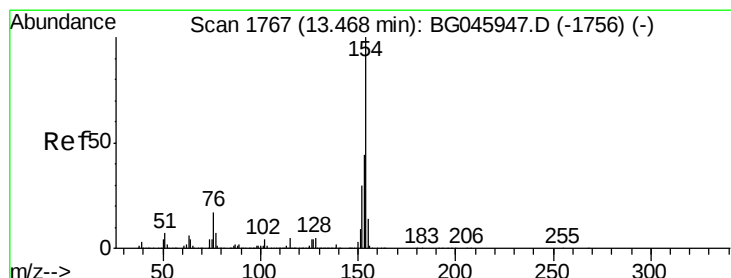
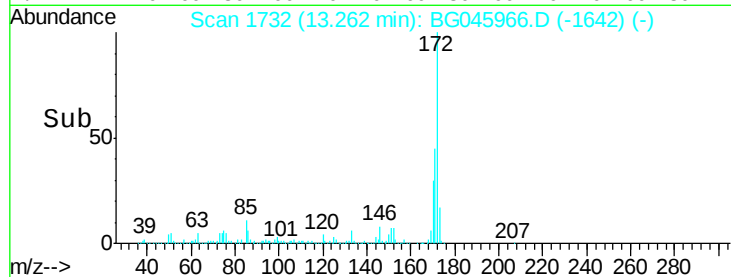
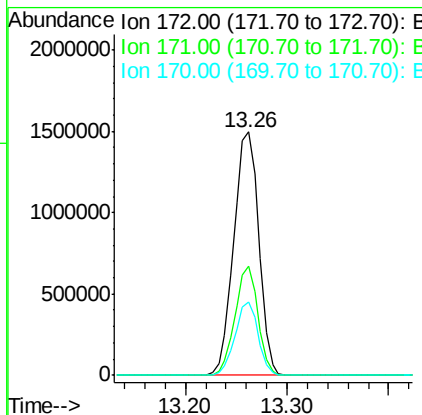
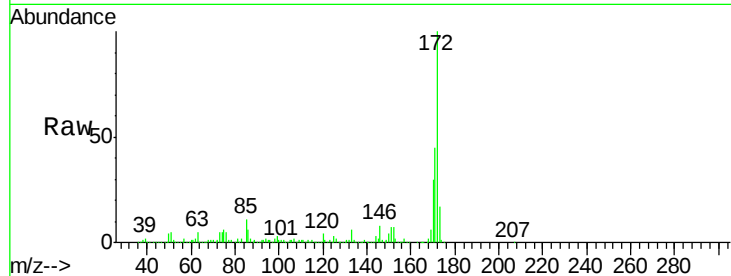


#45
 2-Fluorobiphenyl
 Concen: 130.802 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion:172 Resp: 2553694

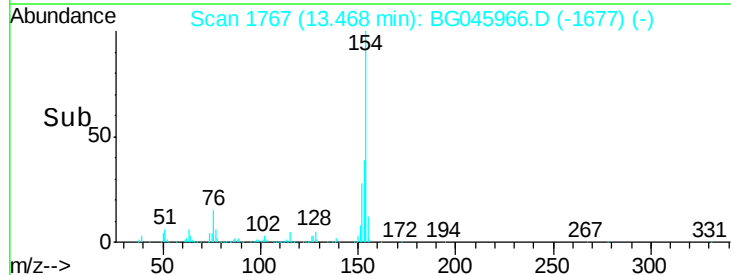
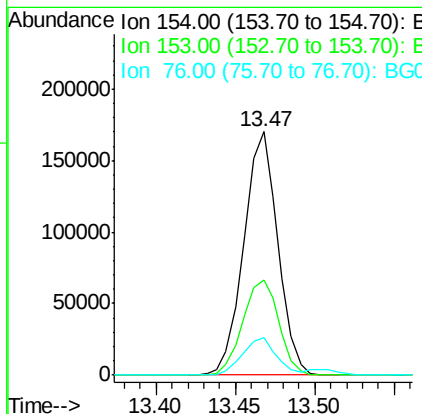
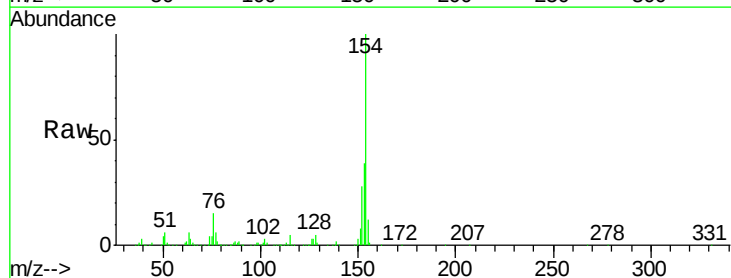
Ion	Ratio	Lower	Upper
172	100		
171	45.0	32.9	49.3
170	30.1	21.8	32.6

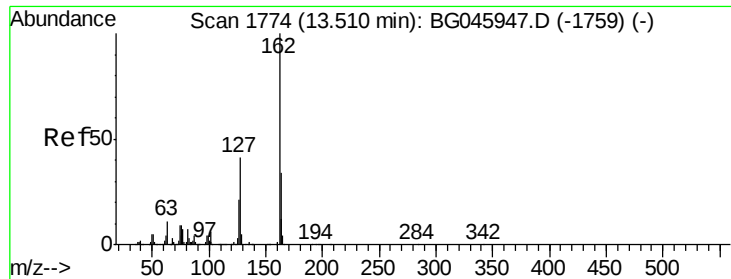


#46
 1,1'-Biphenyl
 Concen: 11.026 ng
 RT: 13.47 min Scan# 1767
 Delta R.T. -0.00 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:154 Resp: 252588

Ion	Ratio	Lower	Upper
154	100		
153	38.9	23.6	63.6
76	15.2	0.0	36.9

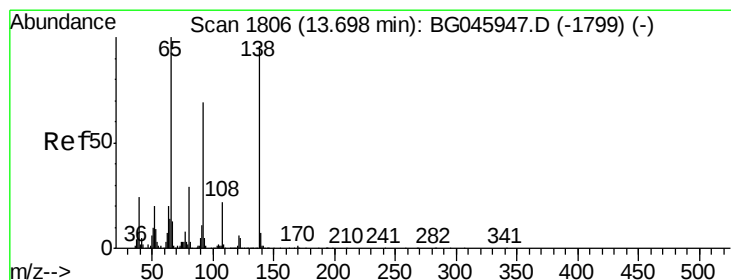
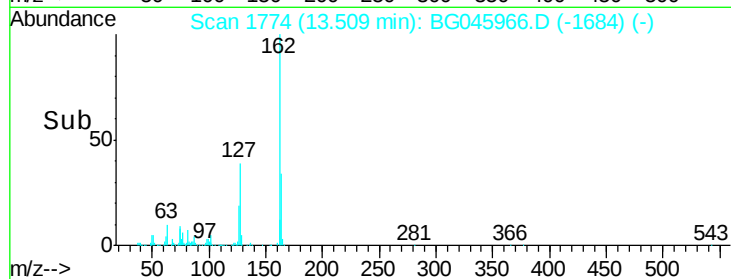
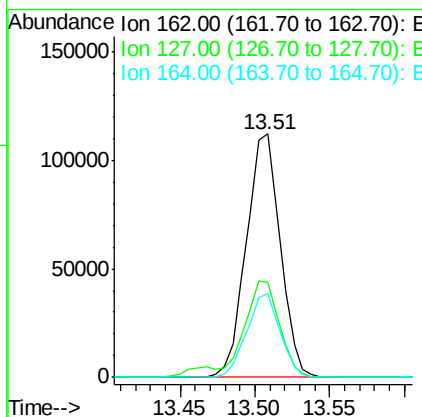
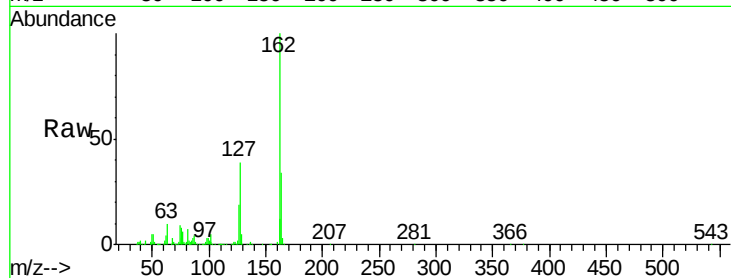




#47
2-Chloronaphthalene
Concen: 9.731 ng
RT: 13.51 min Scan# 1774
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

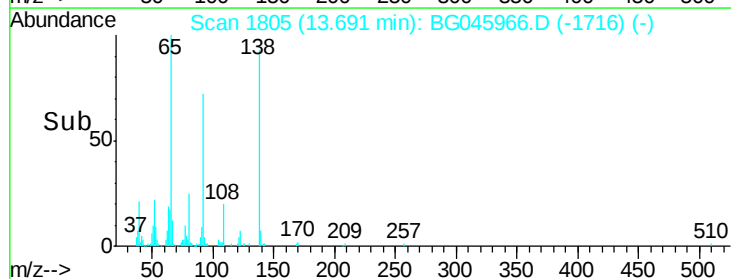
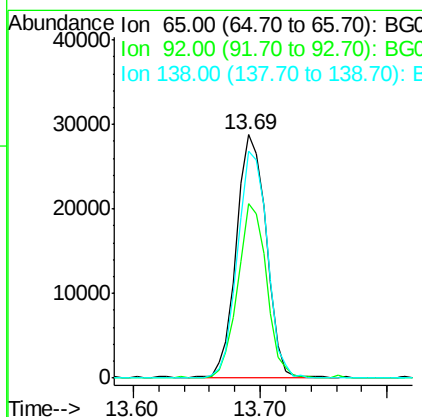
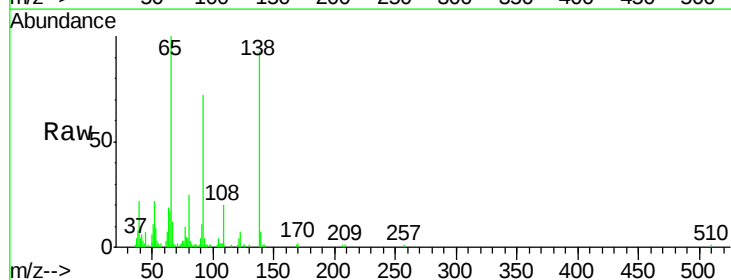
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

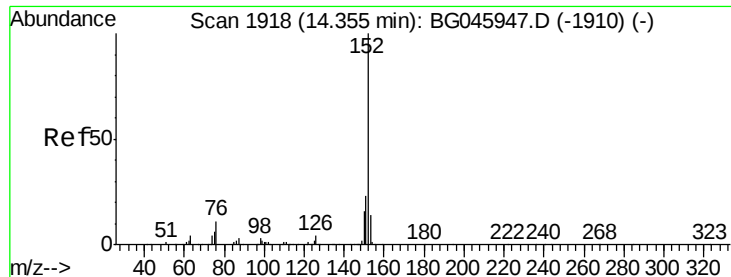
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.5	48.7
164	34.5	27.2	40.8



#48
2-Nitroaniline
Concen: 11.151 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
65	100		
92	71.6	55.4	83.0
138	93.1	77.0	115.4





#49

Acenaphthylene

Concen: 10.318 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

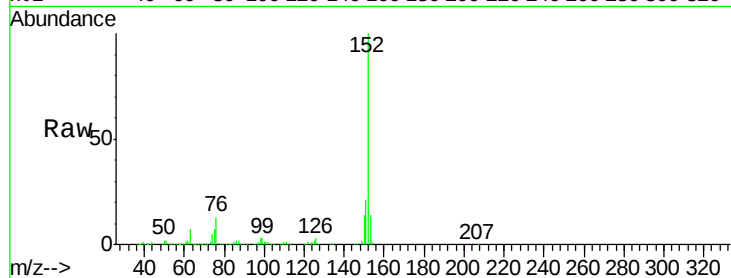
Tot Ion:152 Resp: 300903

Ion Ratio Lower Upper

152 100

151 21.0 18.1 27.1

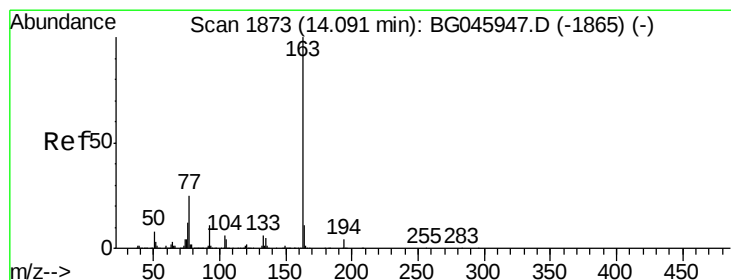
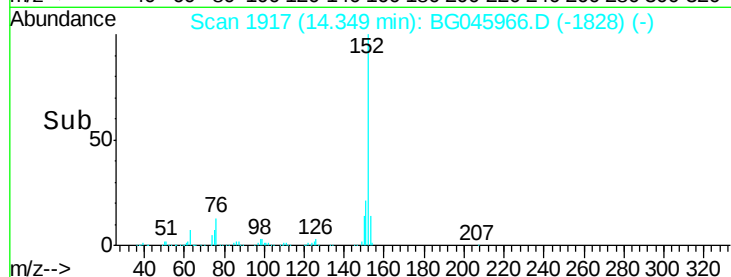
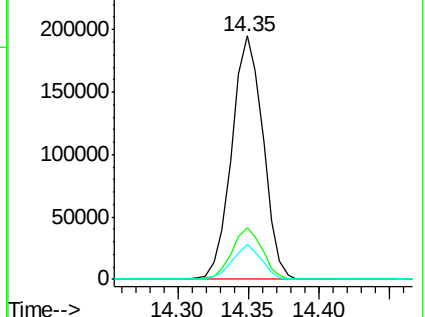
153 14.2 11.5 17.3



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: 9.664 ng

RT: 14.08 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

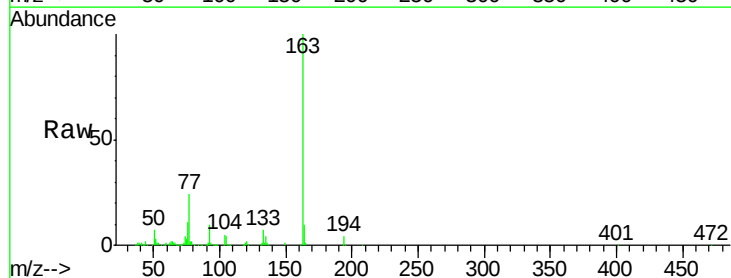
Tgt Ion:163 Resp: 220874

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

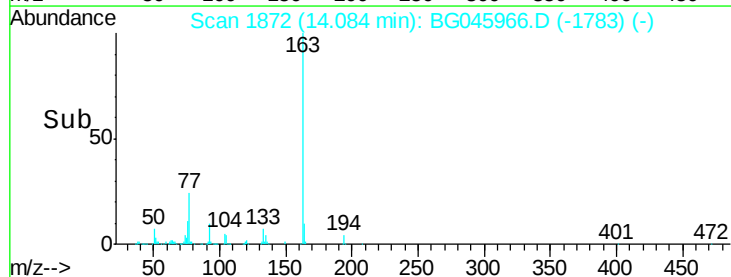
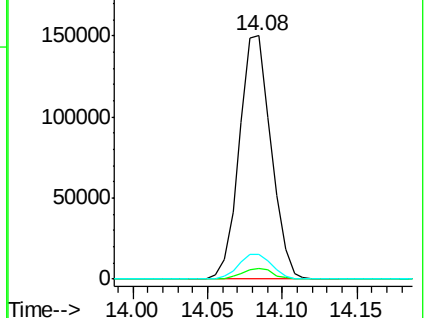
164 10.1 8.9 13.3

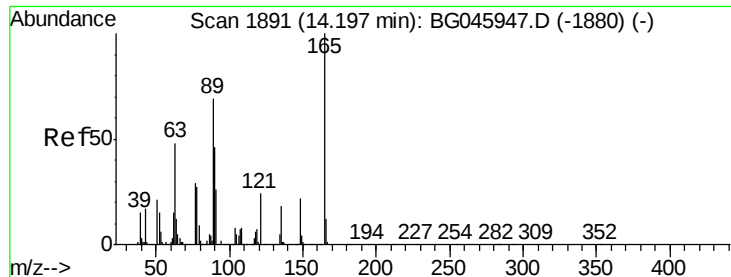


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

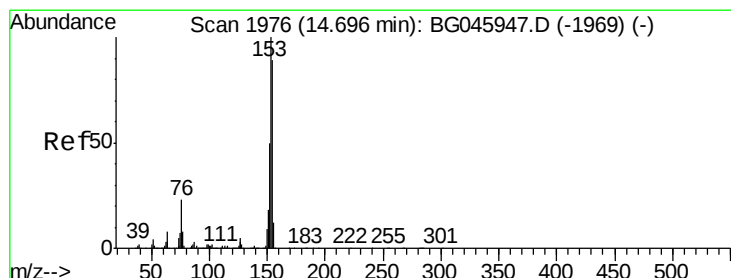
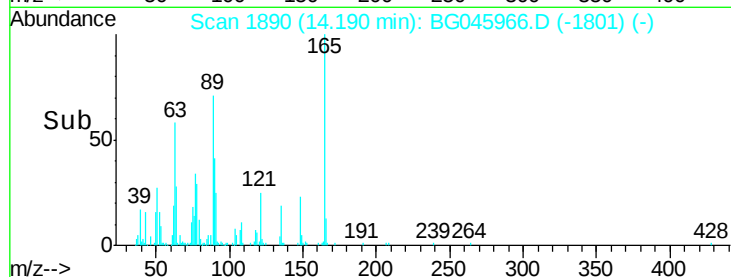
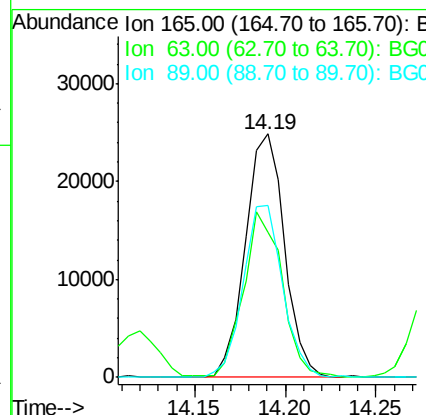
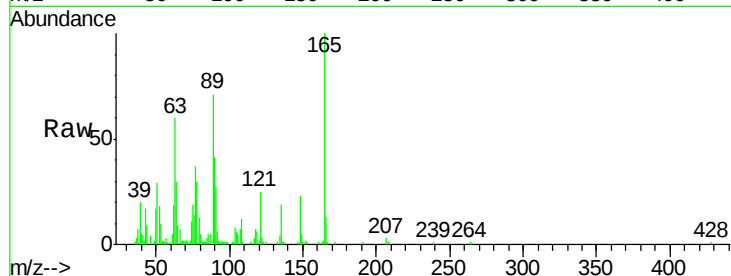




#51
 2,6-Dinitrotoluene
 Concen: 10.480 ng
 RT: 14.19 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

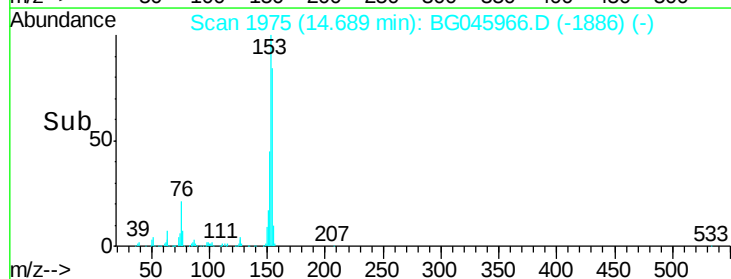
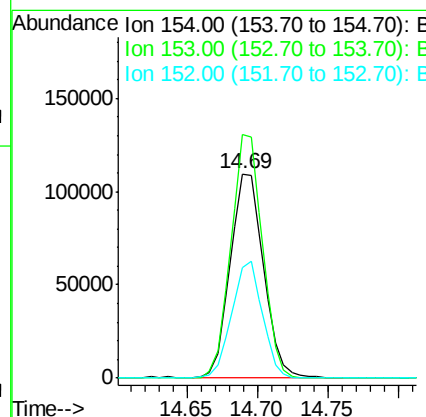
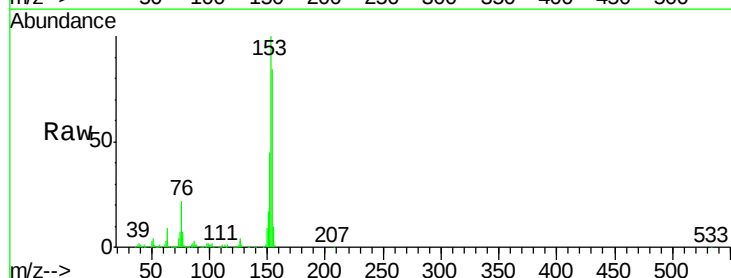
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

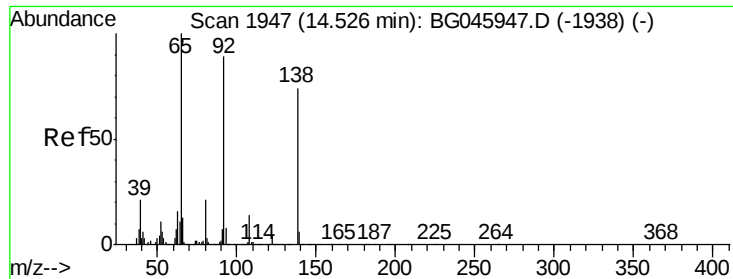
Tot Ion:165 Resp: 37165
 Ion Ratio Lower Upper
 165 100
 63 59.7 51.0 76.4
 89 70.5 55.7 83.5



#52
 Acenaphthene
 Concen: 9.821 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:154 Resp: 180655
 Ion Ratio Lower Upper
 154 100
 153 119.2 89.7 134.5
 152 54.0 44.7 67.1

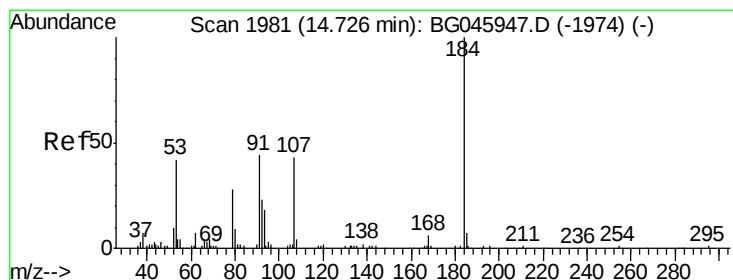
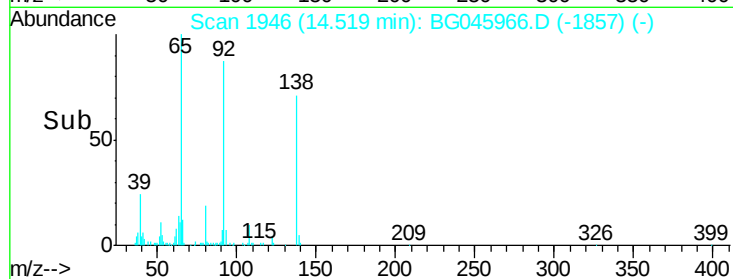
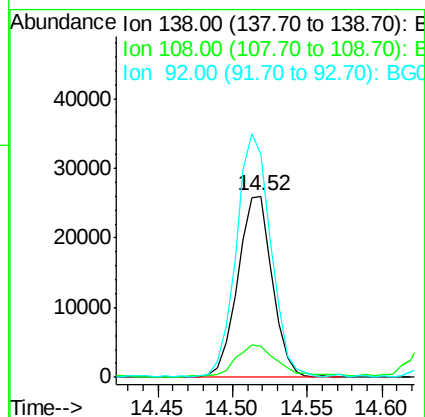
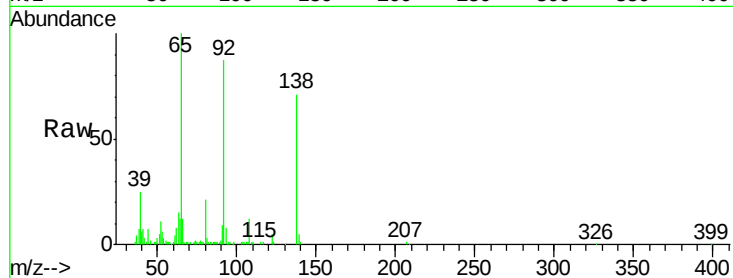




#53
3-Nitroaniline
Concen: 9.480 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

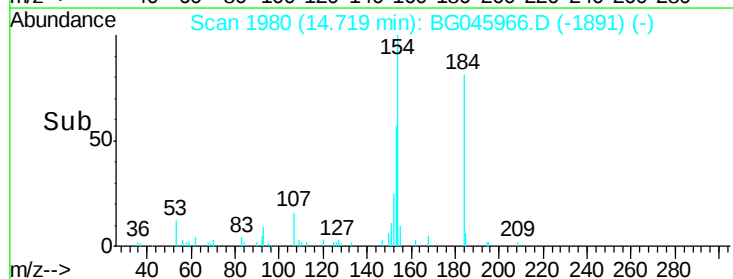
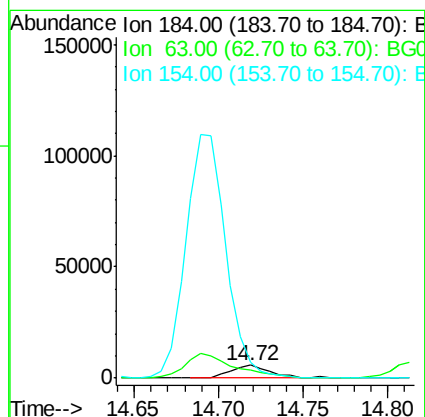
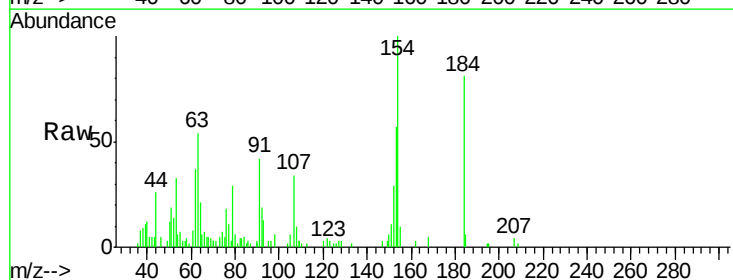
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

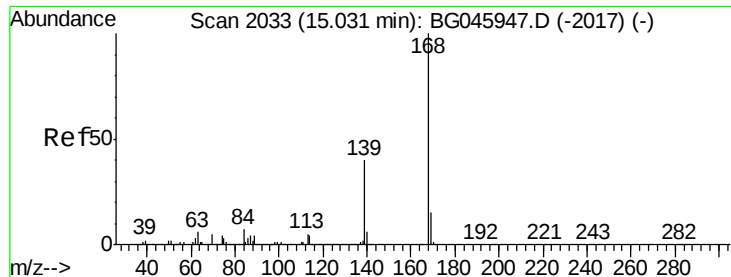
Tot Ion:138 Resp: 41662
Ion Ratio Lower Upper
138 100
108 16.9 15.4 23.2
92 123.2 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 7.353 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:184 Resp: 9198
Ion Ratio Lower Upper
184 100
63 66.6 46.0 69.0
154 123.6 58.2 87.2#

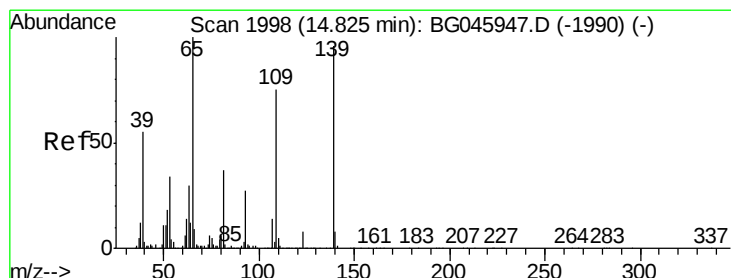
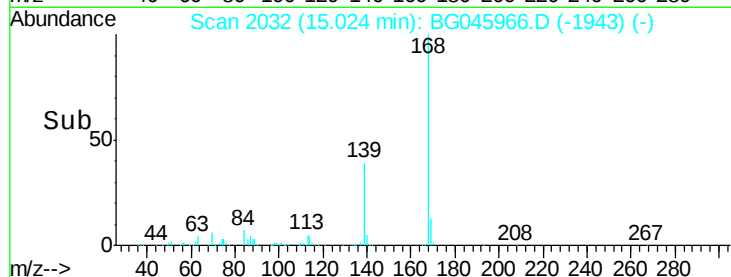
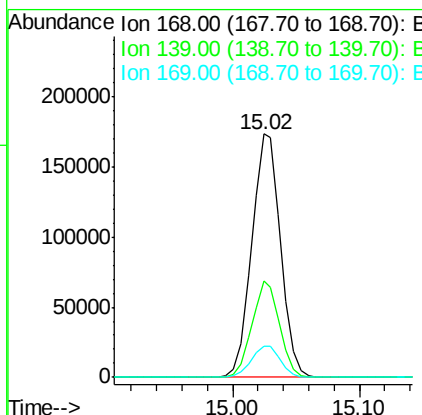
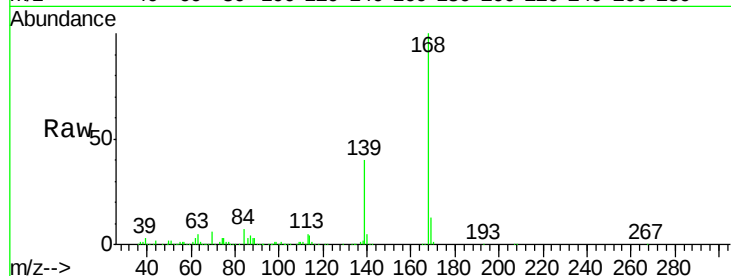




#55
Dibenzofuran
Concen: 10.112 ng
RT: 15.02 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

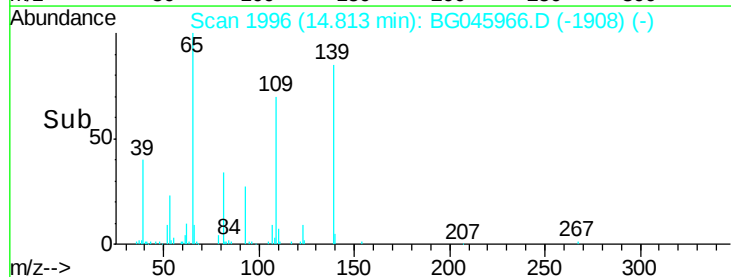
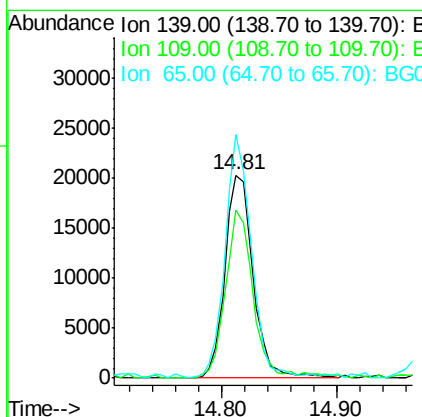
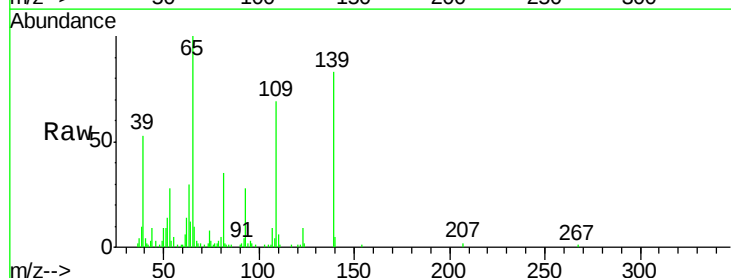
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

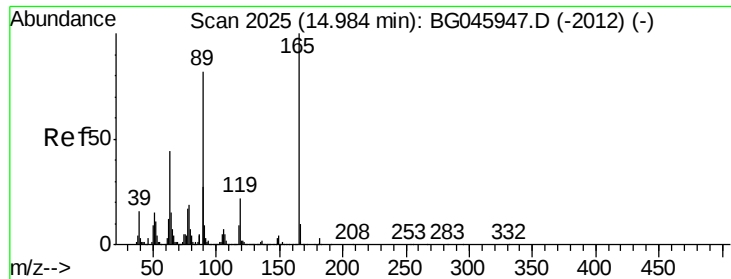
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	32.2	48.2
169	13.0	11.8	17.8



#56
4-Nitrophenol
Concen: 9.244 ng
RT: 14.81 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
139	100		
109	82.9	58.5	98.5
65	119.9	84.7	124.7

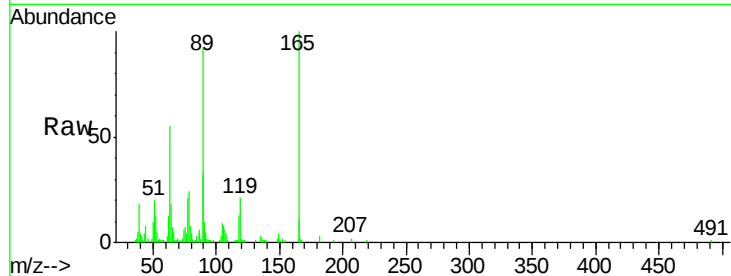




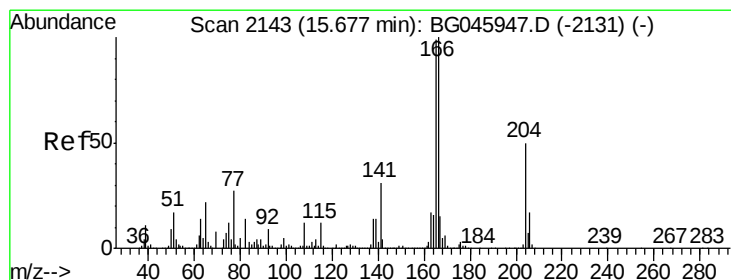
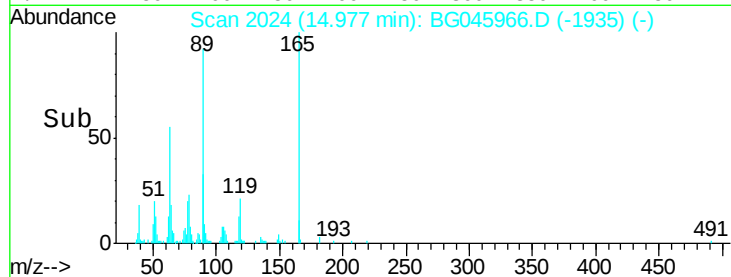
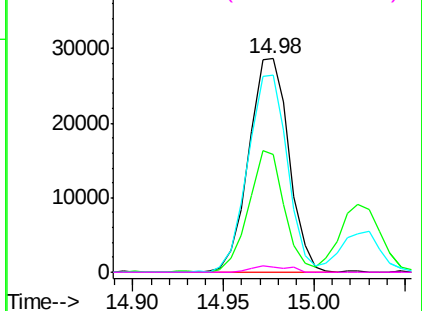
#57
2,4-Dinitrotoluene
Concen: 10.109 ng
RT: 14.98 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

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

Tot Ion:165 Resp: 44296
Ion Ratio Lower Upper
165 100
63 54.9 35.4 53.0#
89 92.2 65.4 98.2
182 2.5 2.0 3.0

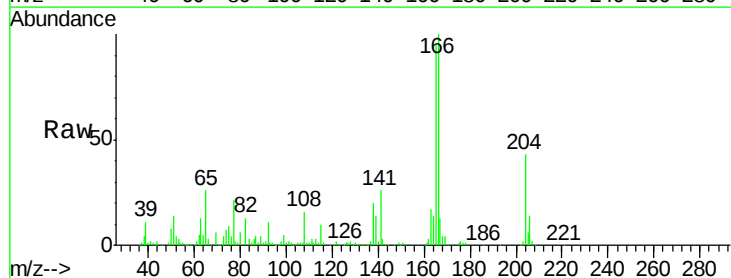


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

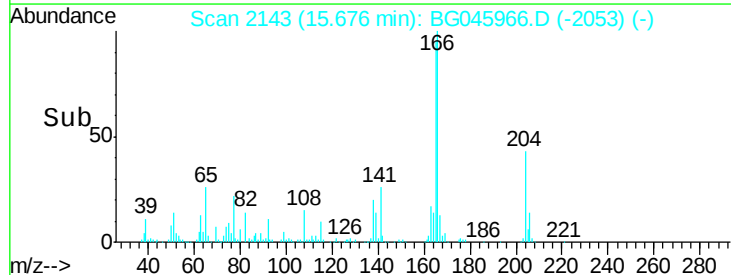
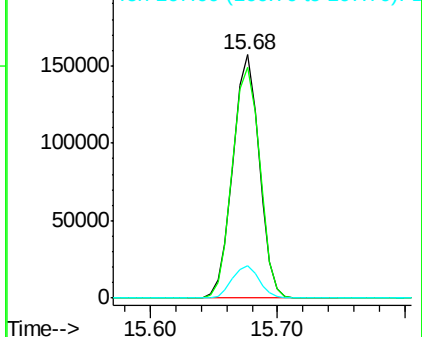


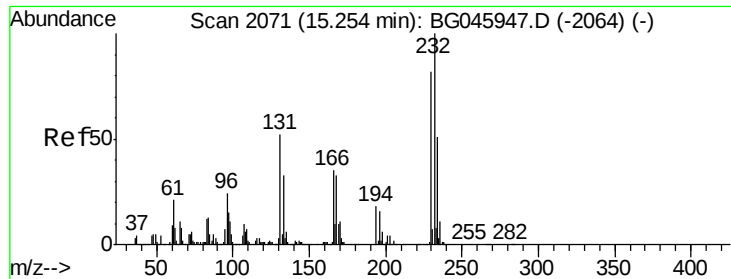
#58
Fluorene
Concen: 10.230 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:166 Resp: 226295
Ion Ratio Lower Upper
166 100
165 95.0 78.9 118.3
167 13.1 12.1 18.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

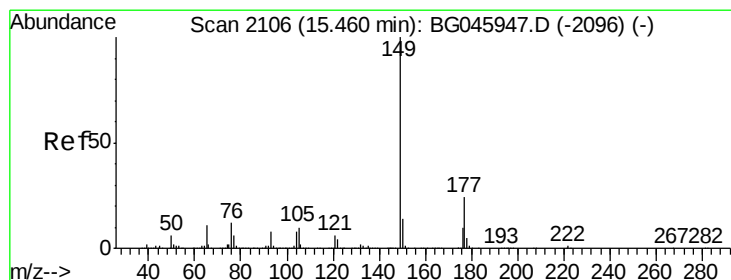
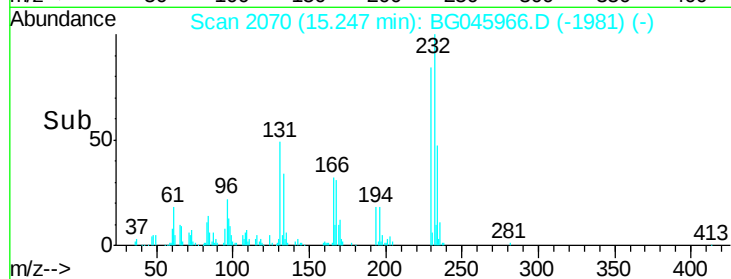
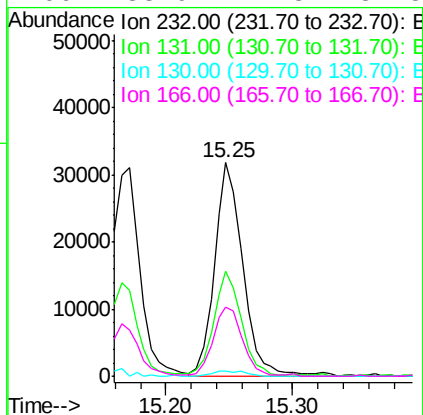
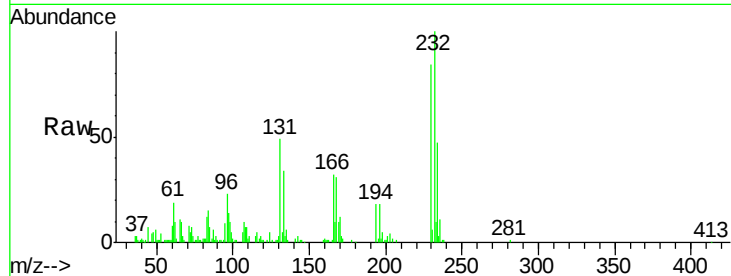




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 9.759 ng
 RT: 15.25 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

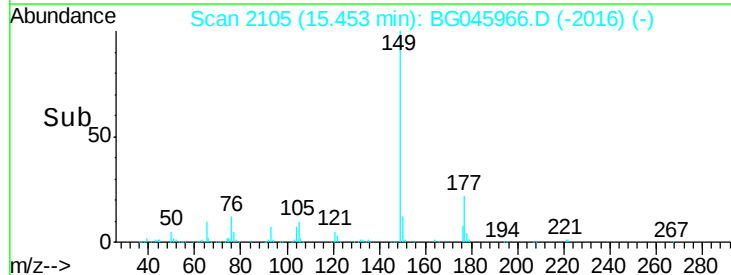
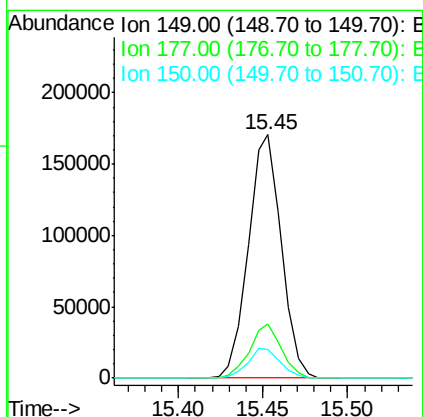
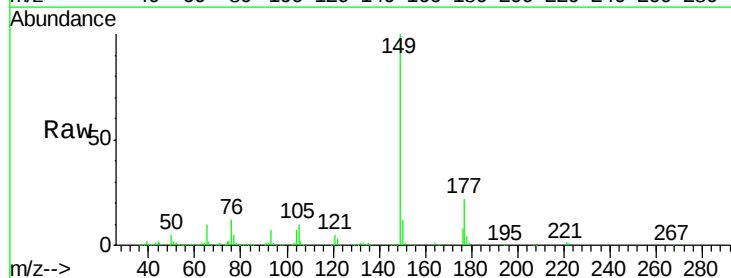
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

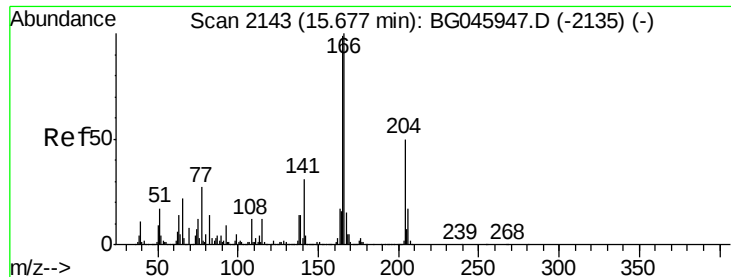
Tot Ion	Ratio	Lower	Upper
232	100		
131	46.3	35.8	53.6
130	2.8	2.5	3.7
166	33.9	21.8	32.8



#60
 Diethylphthalate
 Concen: 9.605 ng
 RT: 15.45 min Scan# 2105
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.4	19.0	28.4
150	11.7	11.0	16.4

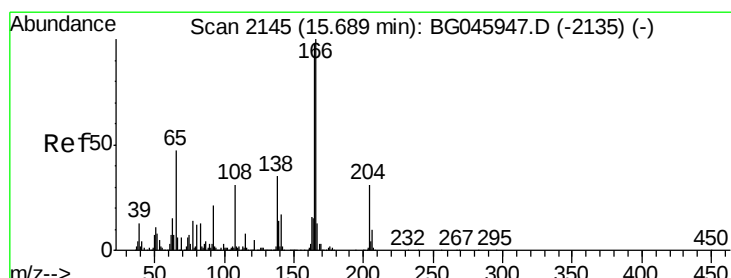
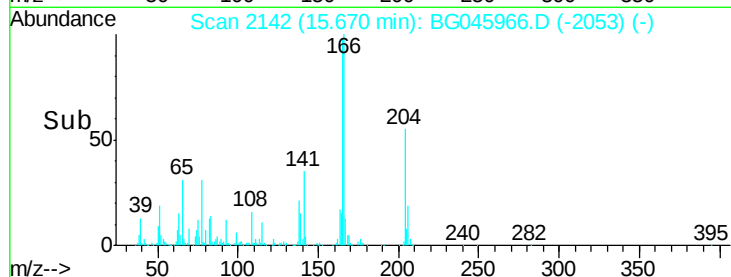
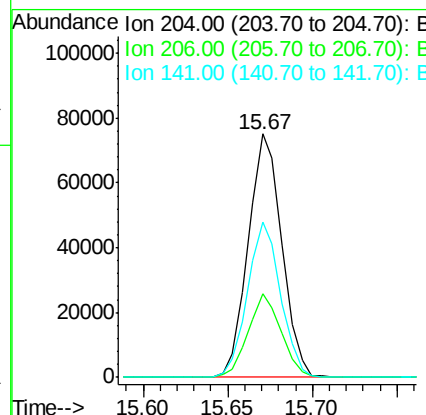
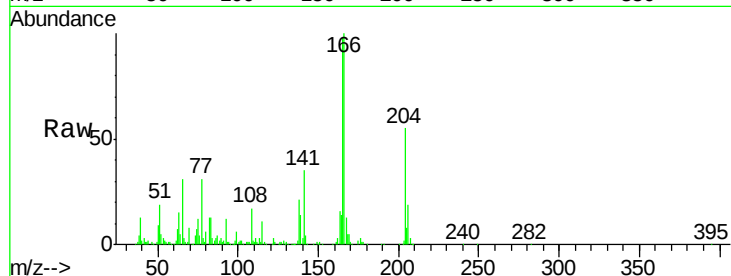




#61
4-Chlorophenyl-phenylether
Concen: 9.452 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

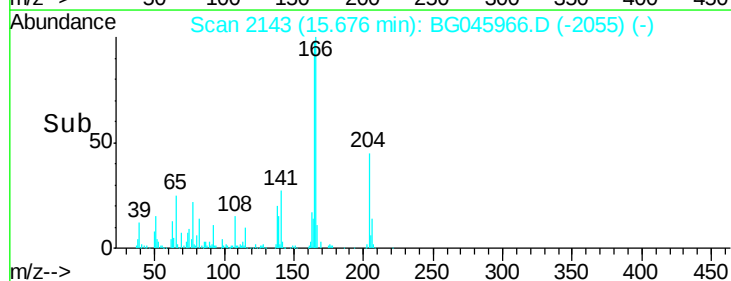
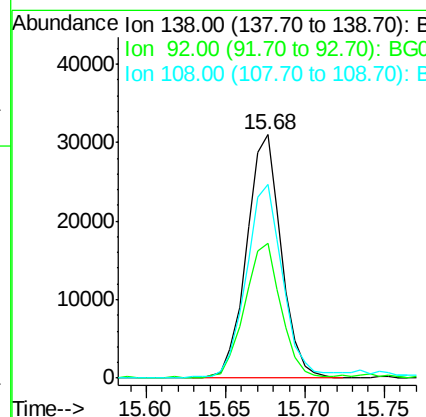
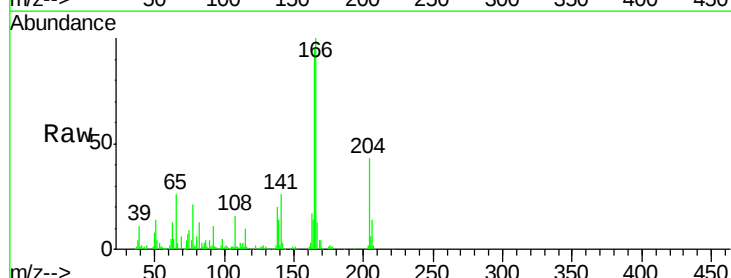
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

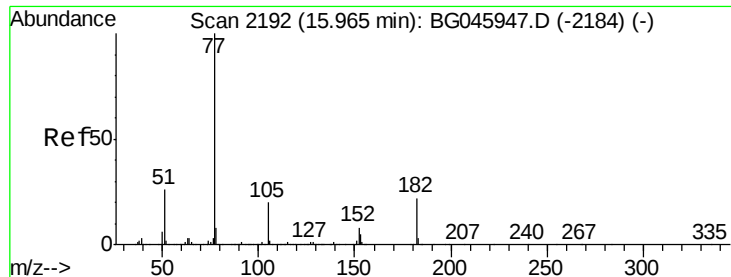
Tot Ion:204 Resp: 104020
Ion Ratio Lower Upper
204 100
206 34.1 27.1 40.7
141 63.8 49.8 74.8



#62
4-Nitroaniline
Concen: 9.881 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:138 Resp: 46672
Ion Ratio Lower Upper
138 100
92 55.3 40.3 80.3
108 79.4 68.0 108.0





#63

Azobenzene

Concen: 10.165 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 261494

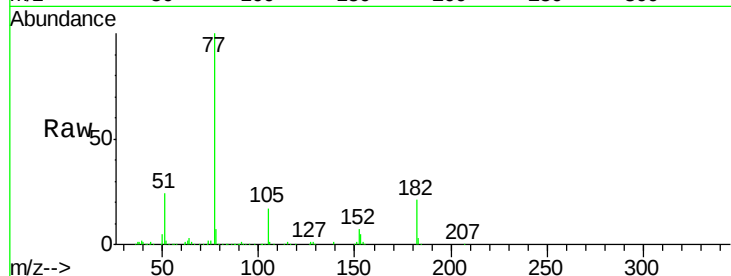
Ion Ratio Lower Upper

77 100

182 21.3 2.4 42.4

105 17.3 0.3 40.3

51 24.3 6.3 46.3

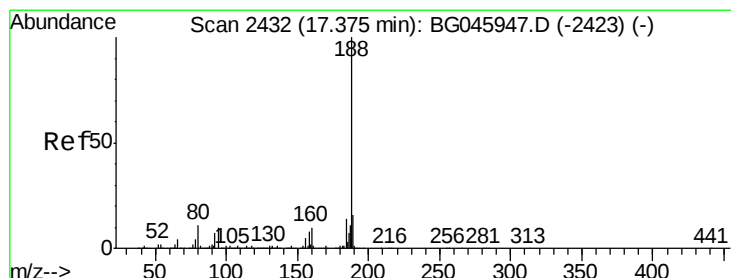
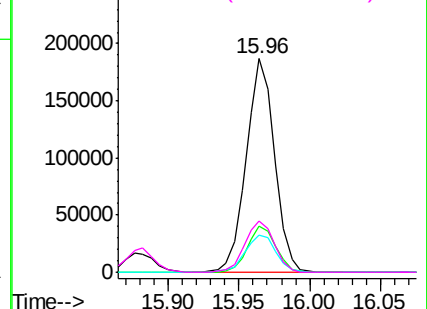
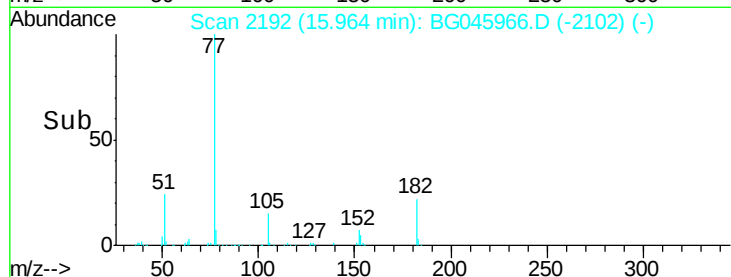


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: BG045966.D

Acq: 7 Jul 2020 19:21

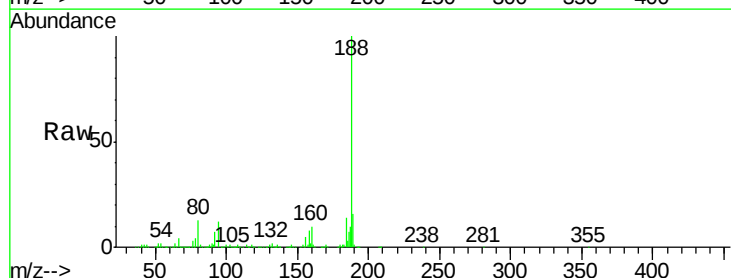
Tgt Ion: 188 Resp: 627518

Ion Ratio Lower Upper

188 100

94 11.5 8.2 12.4

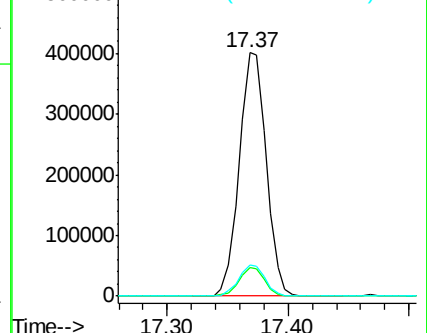
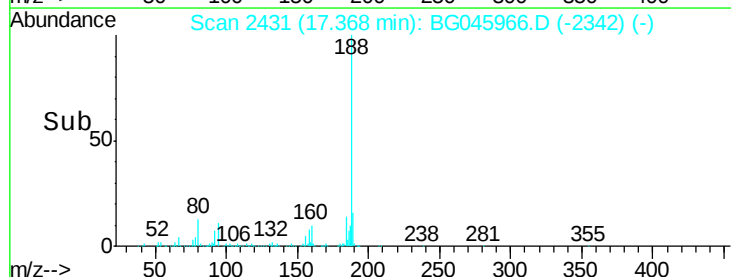
80 12.6 9.0 13.6

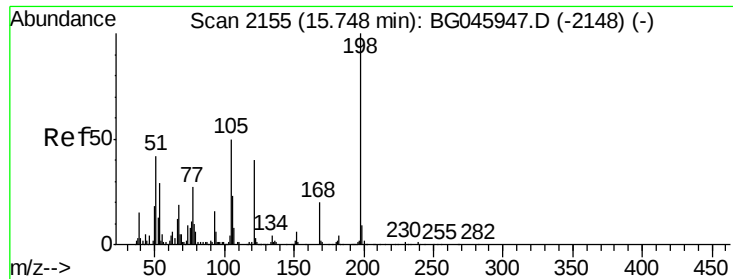


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 8.241 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

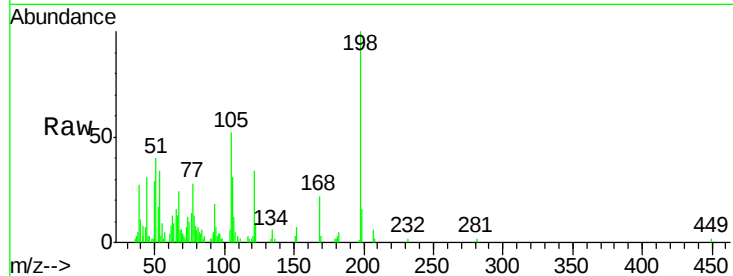
Tot Ion:198 Resp: 15146

Ion Ratio Lower Upper

198 100

51 40.3 24.5 64.5

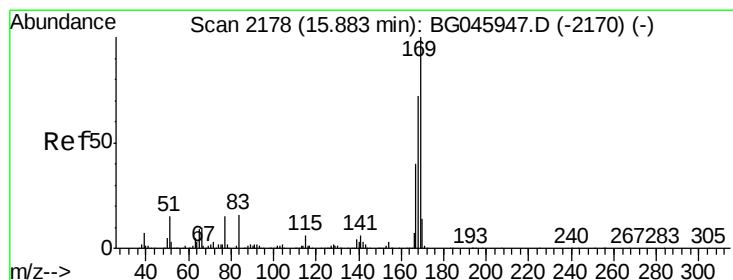
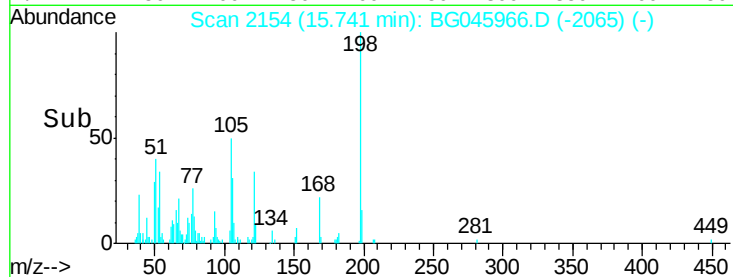
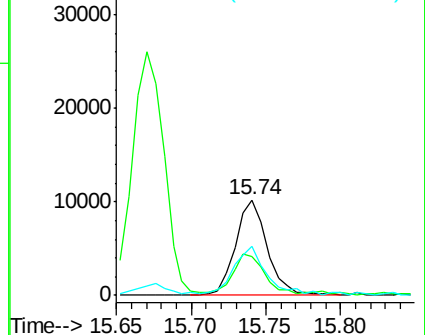
105 51.6 30.9 70.9



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): E



#66

n-Nitrosodiphenylamine

Concen: 10.007 ng

RT: 15.88 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

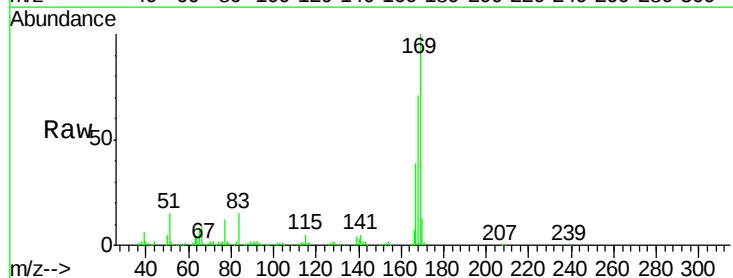
Tgt Ion:169 Resp: 194589

Ion Ratio Lower Upper

169 100

168 71.1 57.3 85.9

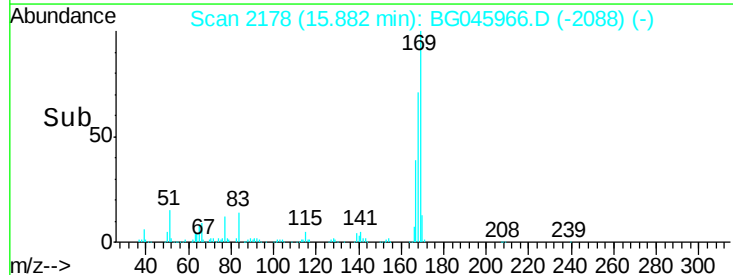
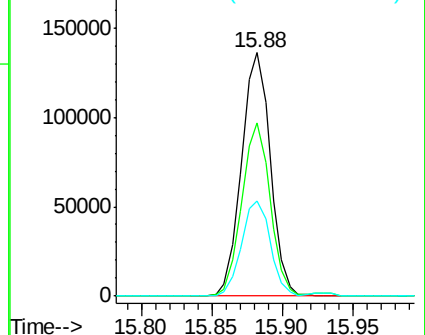
167 39.3 32.1 48.1

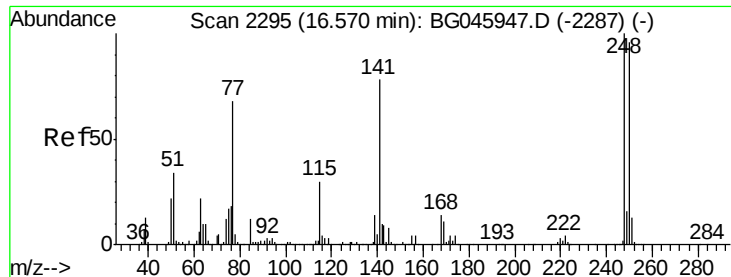


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

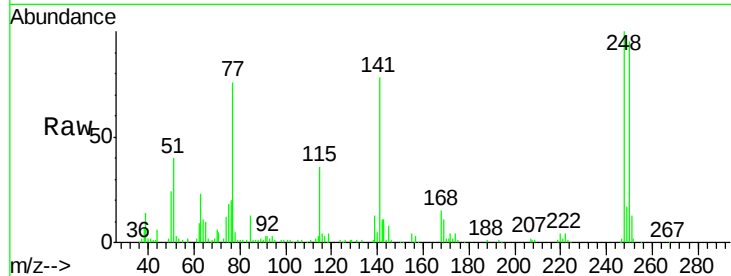




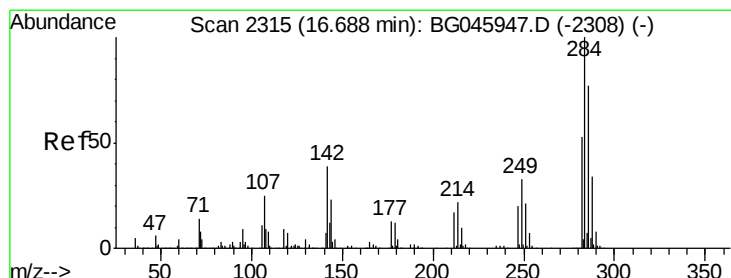
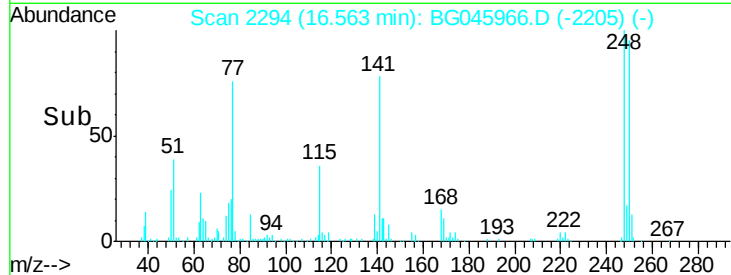
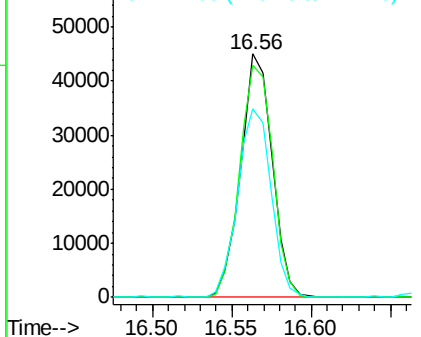
#67
 4-Bromophenyl-phenylether
 Concen: 8.884 ng
 RT: 16.56 min Scan# 2294
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

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

Tot Ion:248	Resp:	62260
Ion Ratio	Lower	Upper
248	100	
250	95.2	76.6 114.8
141	77.6	62.7 94.1

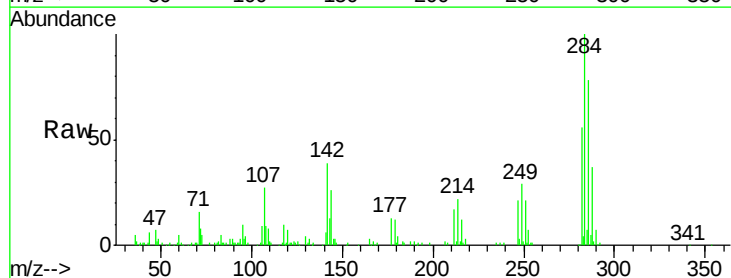


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

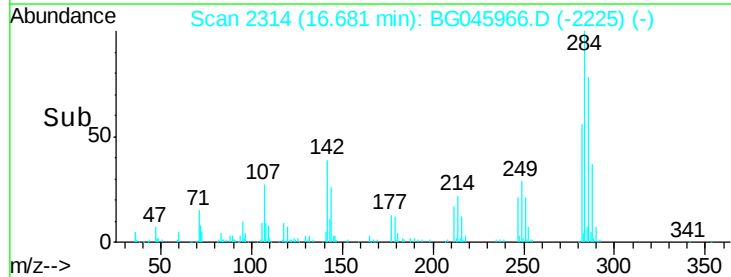
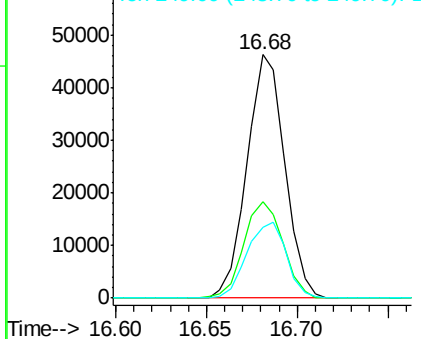


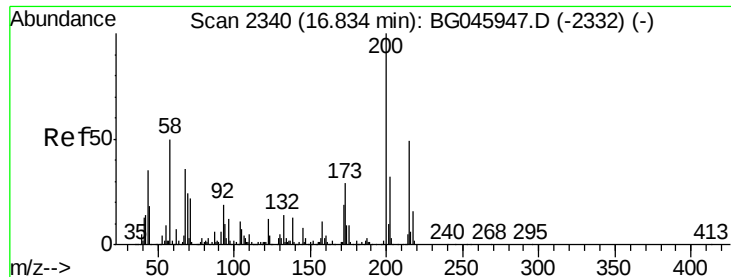
#68
 Hexachlorobenzene
 Concen: 9.599 ng
 RT: 16.68 min Scan# 2314
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:284	Resp:	67511
Ion Ratio	Lower	Upper
284	100	
142	39.4	31.3 46.9
249	28.8	26.8 40.2



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





#69

Atrazine

Concen: 11.353 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

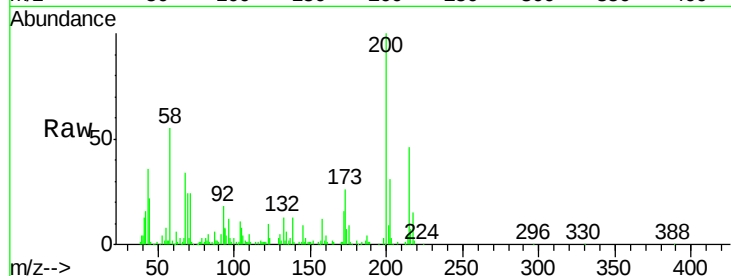
Tot Ion:200 Resp: 65273

Ion Ratio Lower Upper

200 100

173 25.7 9.1 49.1

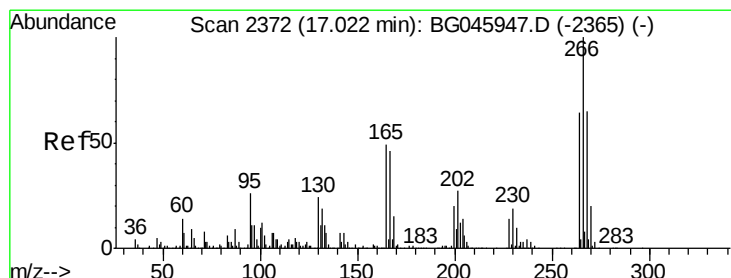
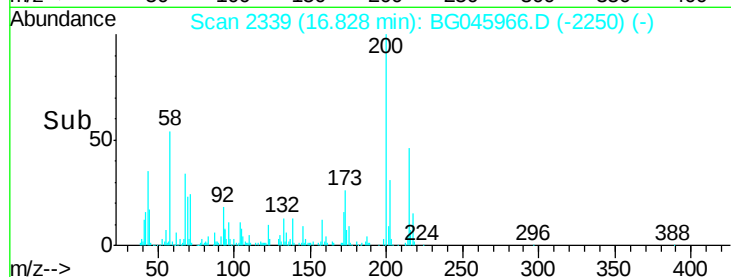
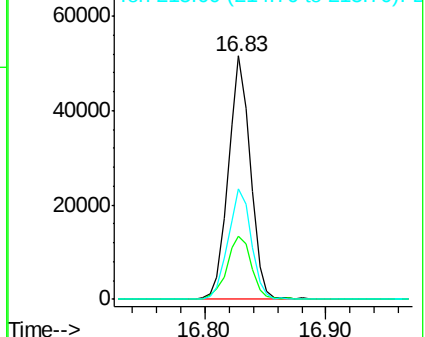
215 45.6 28.8 68.8



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: 8.572 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

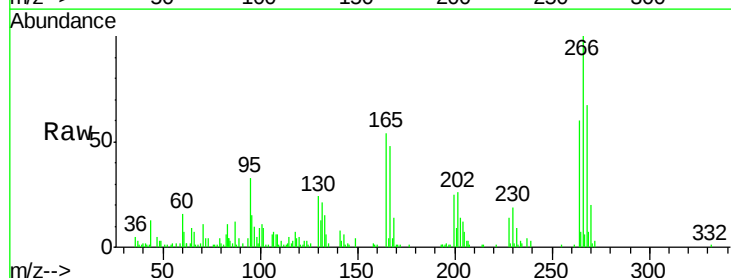
Tgt Ion:266 Resp: 33519

Ion Ratio Lower Upper

266 100

268 67.1 51.8 77.8

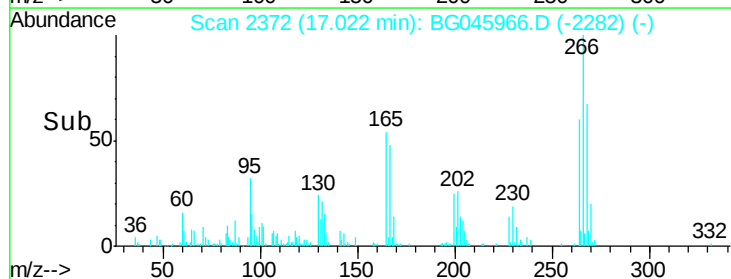
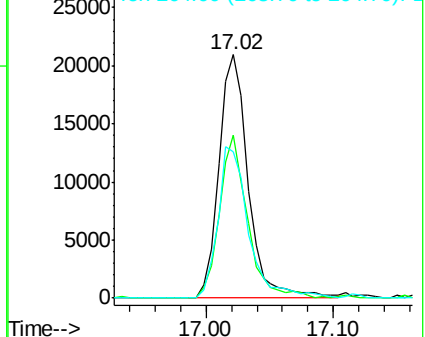
264 60.1 51.4 77.0

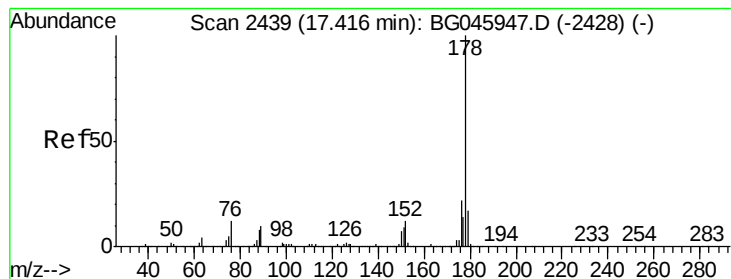


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 10.330 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

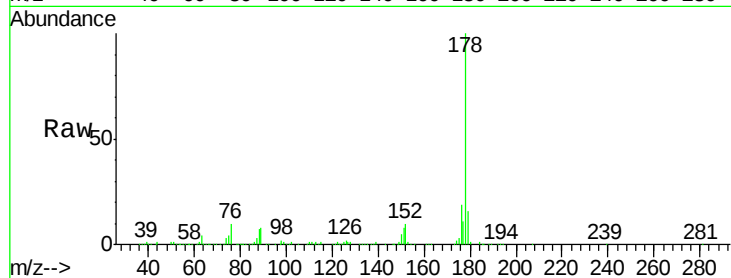
Tot Ion:178 Resp: 342697

Ion Ratio Lower Upper

178 100

176 19.5 17.4 26.2

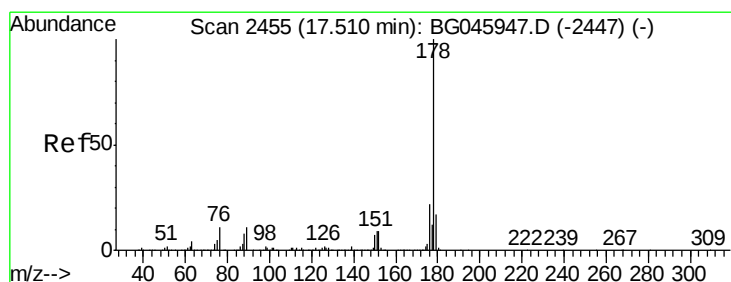
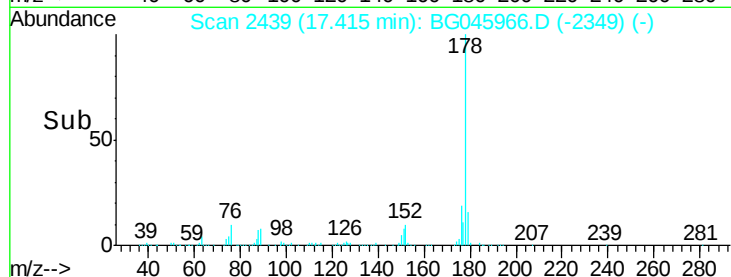
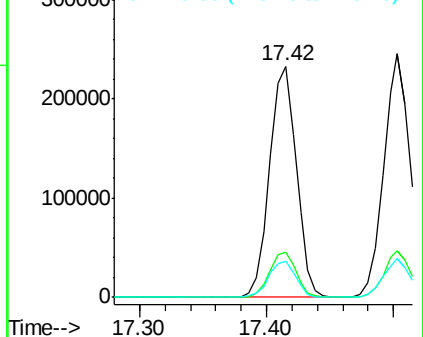
179 15.6 13.4 20.2



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: 10.612 ng

RT: 17.50 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

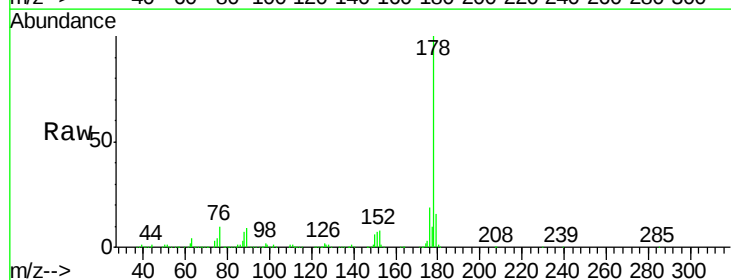
Tgt Ion:178 Resp: 357271

Ion Ratio Lower Upper

178 100

176 19.0 17.2 25.8

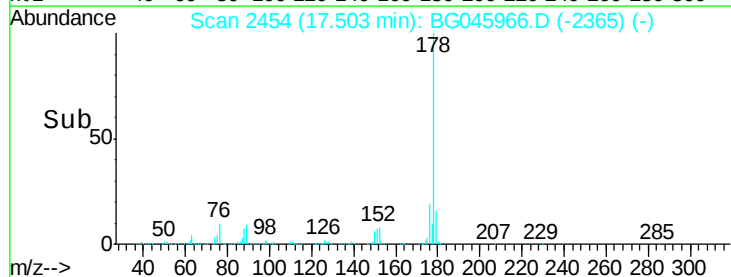
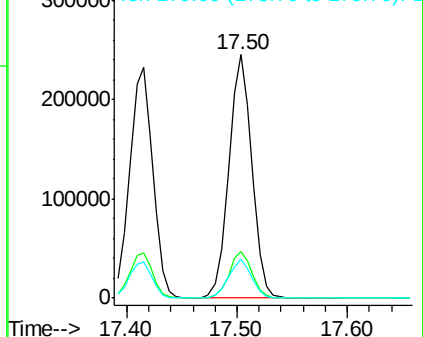
179 15.7 14.0 21.0

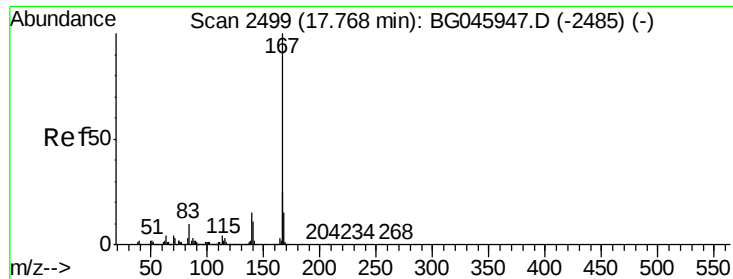


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 9.662 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

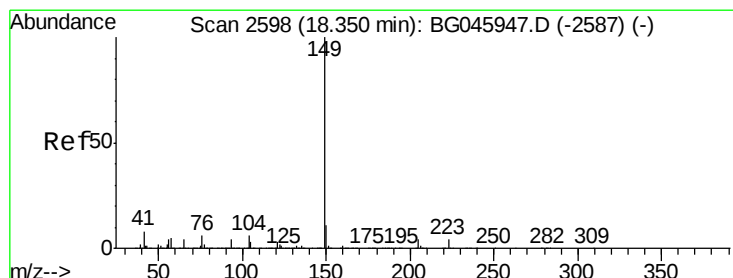
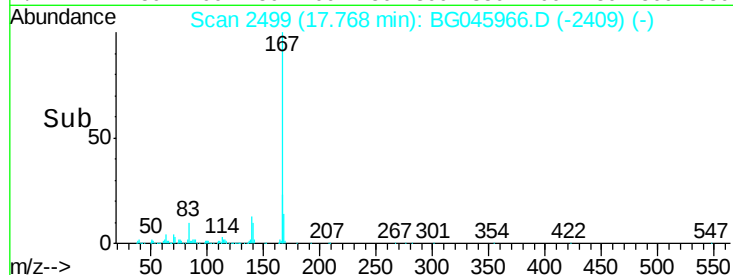
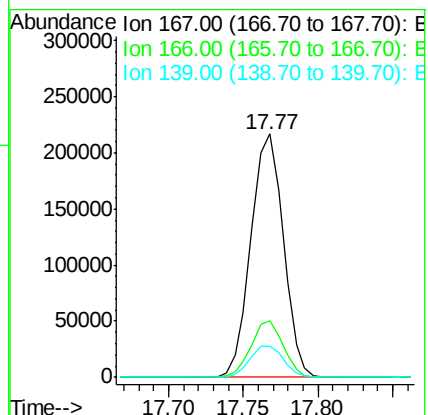
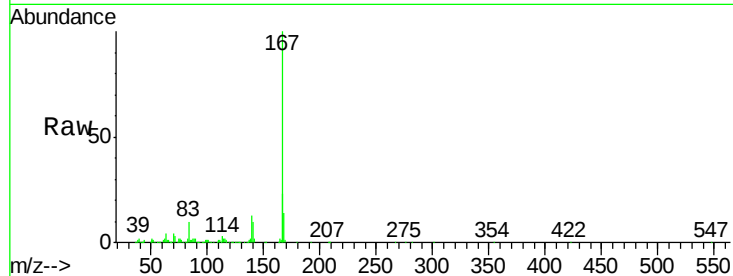
Tot Ion:167 Resp: 326073

Ion Ratio Lower Upper

167 100

166 23.4 20.4 30.6

139 12.9 11.8 17.8



#74

Di-n-butylphthalate

Concen: 9.933 ng

RT: 18.35 min Scan# 2598

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

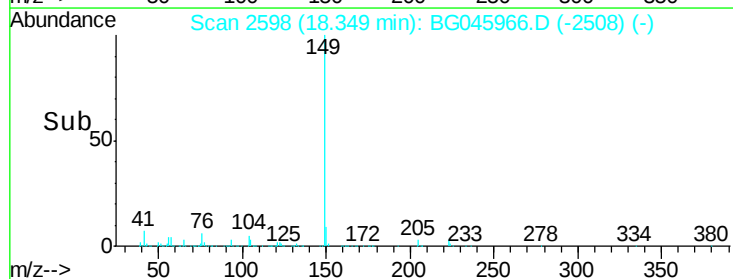
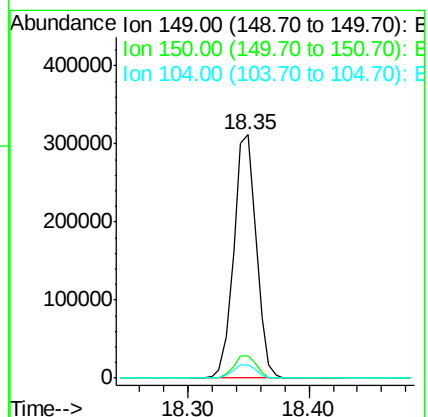
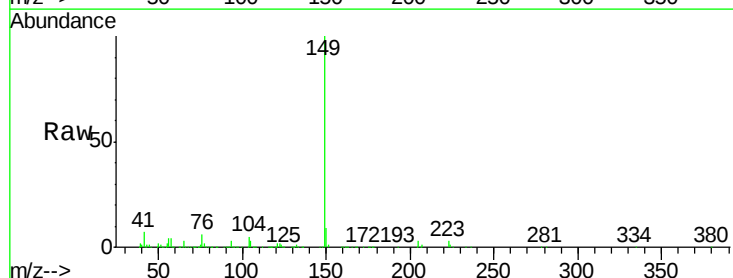
Tgt Ion:149 Resp: 405079

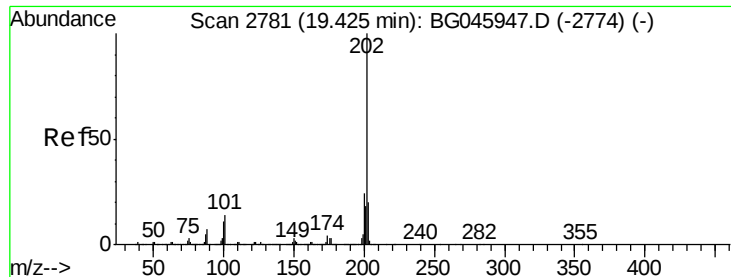
Ion Ratio Lower Upper

149 100

150 9.2 9.0 13.4

104 5.5 5.2 7.8





#75

Fluoranthene

Concen: 10.358 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

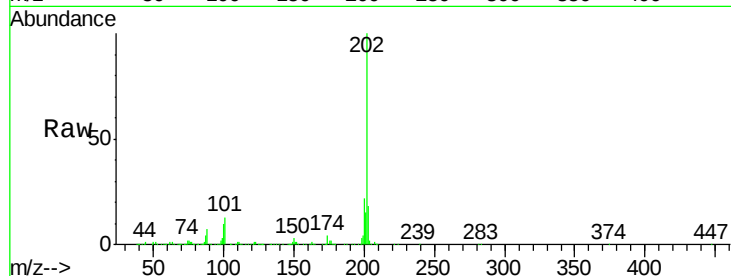
Tot Ion:202 Resp: 397238

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.8

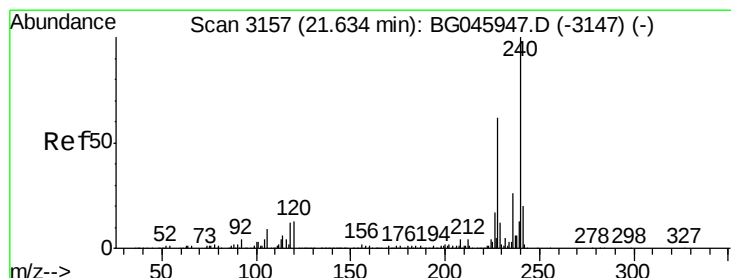
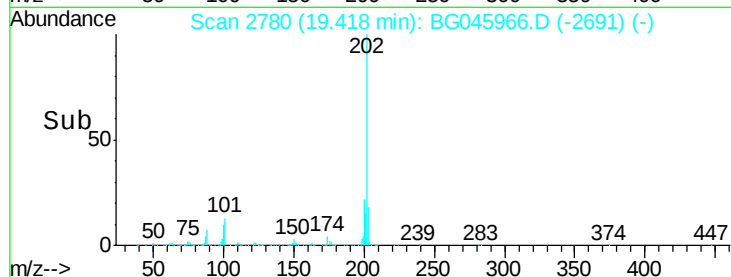
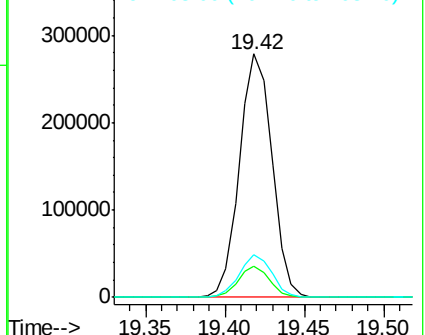
203 17.7 0.4 40.4



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: BG045966.D

Acq: 7 Jul 2020 19:21

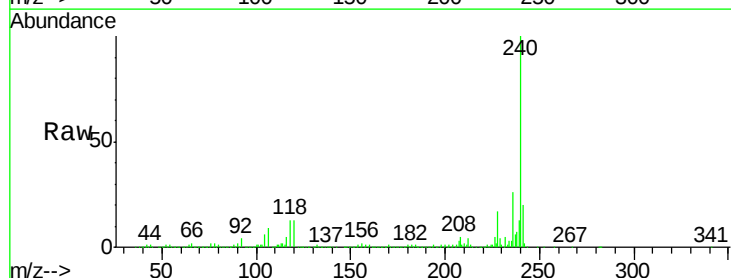
Tgt Ion:240 Resp: 568932

Ion Ratio Lower Upper

240 100

120 13.5 10.6 16.0

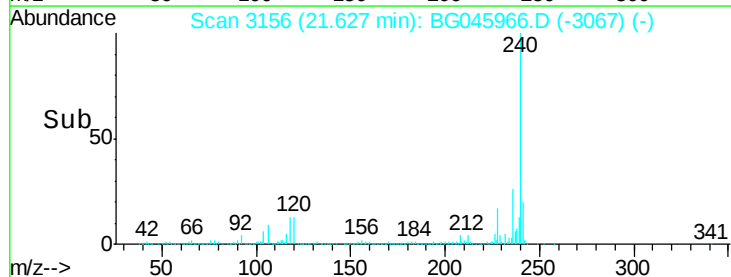
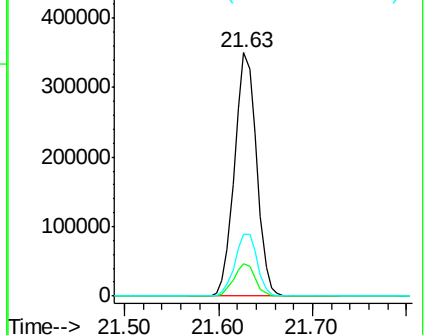
236 25.6 20.4 30.6

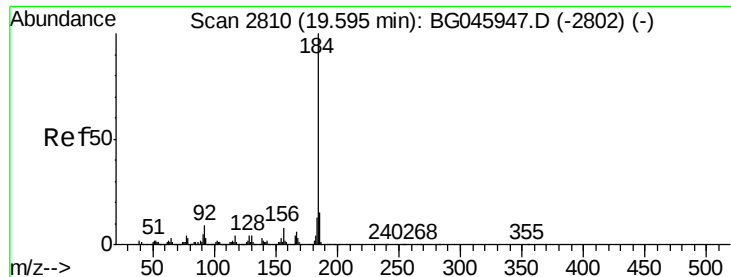


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 12.885 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

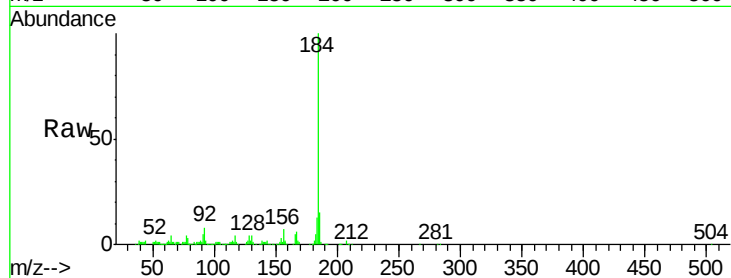
Tot Ion:184 Resp: 209606

Ion Ratio Lower Upper

184 100

185 14.8 11.6 17.4

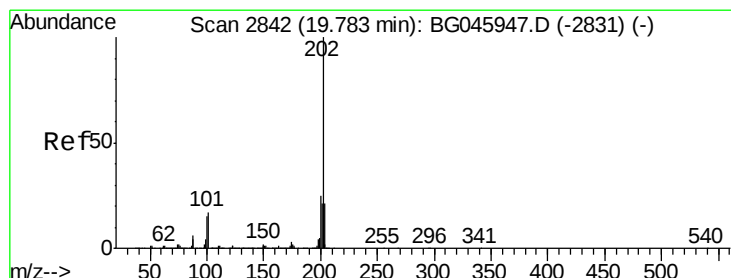
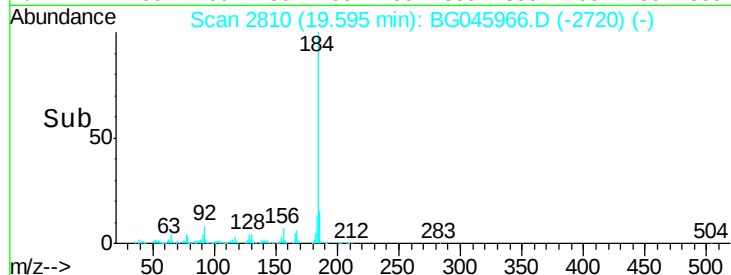
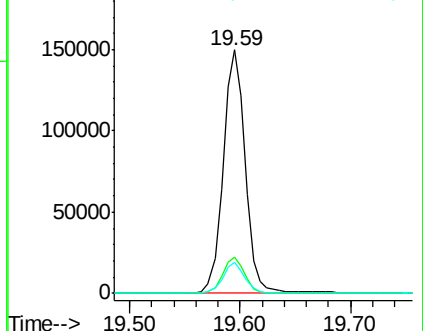
183 12.9 10.4 15.6



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: 10.579 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

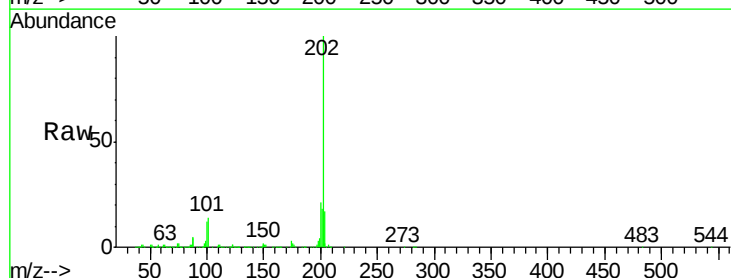
Tgt Ion:202 Resp: 410842

Ion Ratio Lower Upper

202 100

200 21.0 20.1 30.1

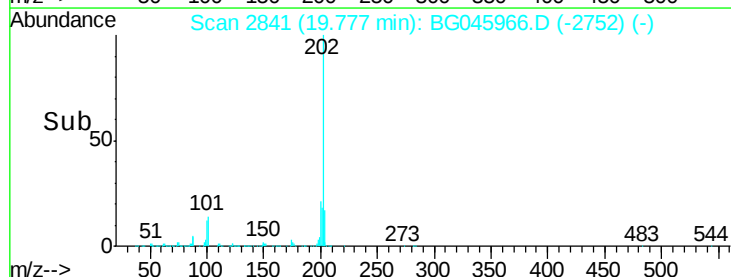
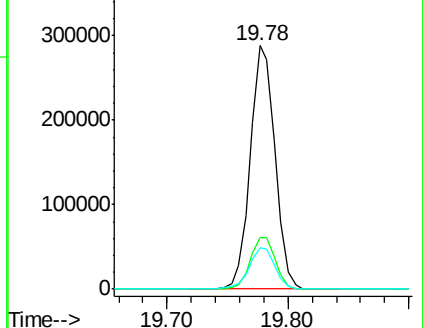
203 17.2 16.5 24.7

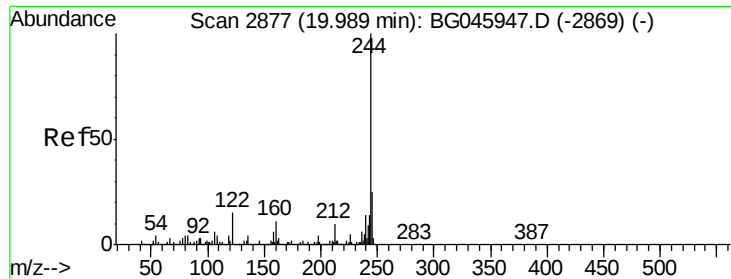


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 116.118 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

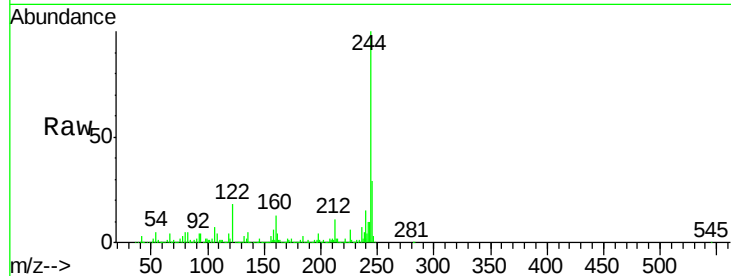
Tot Ion:244 Resp: 2968443

Ion Ratio Lower Upper

244 100

212 11.4 8.3 12.5

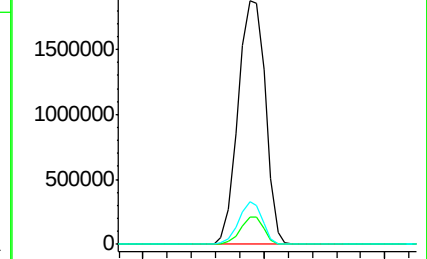
122 17.7 12.1 18.1



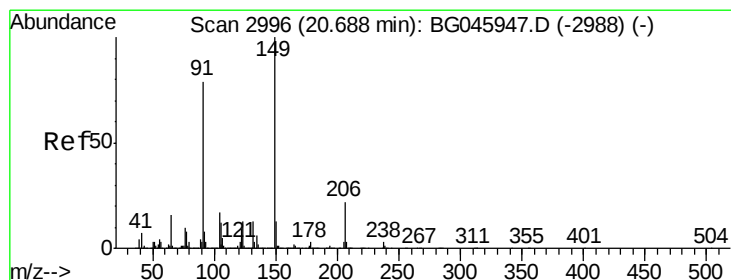
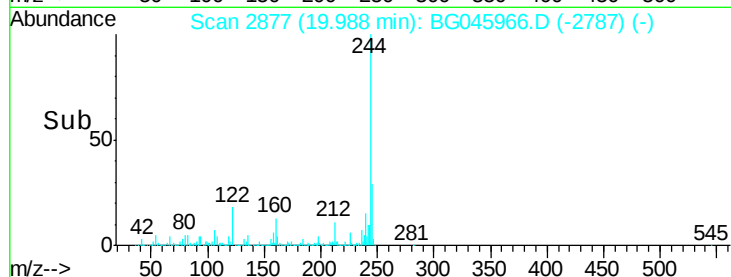
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Butylbenzylphthalate

Concen: 9.154 ng

RT: 20.68 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

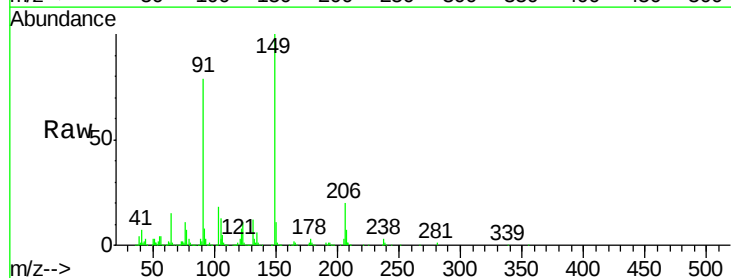
Tgt Ion:149 Resp: 167996

Ion Ratio Lower Upper

149 100

91 78.8 63.1 94.7

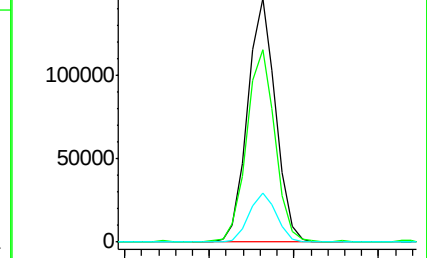
206 20.0 17.4 26.0



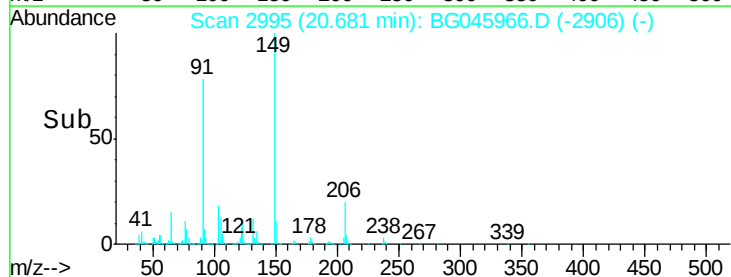
Abundance Ion 149.00 (148.70 to 149.70): E

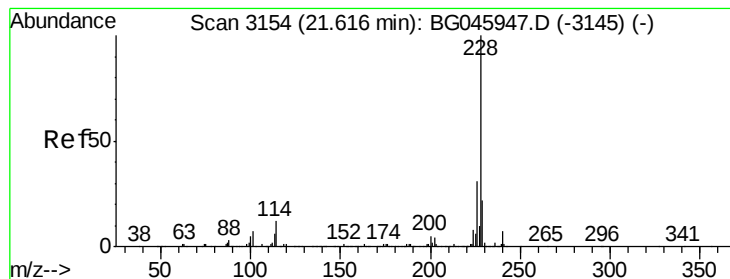
Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



Time-->





#81

Benzo(a)anthracene

Concen: 10.053 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

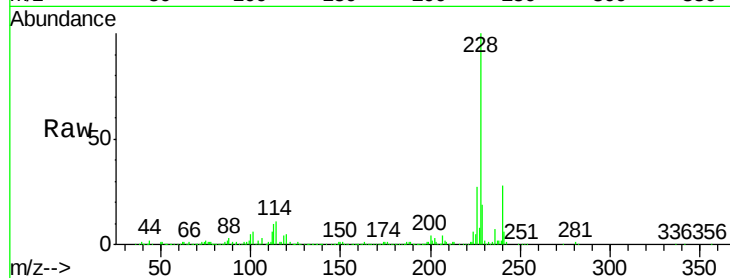
Tot Ion:228 Resp: 376069

Ion Ratio Lower Upper

228 100

226 27.4 24.8 37.2

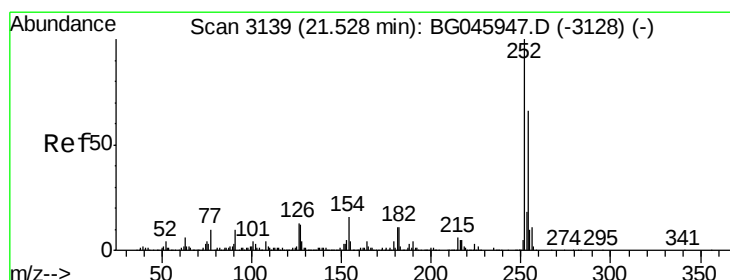
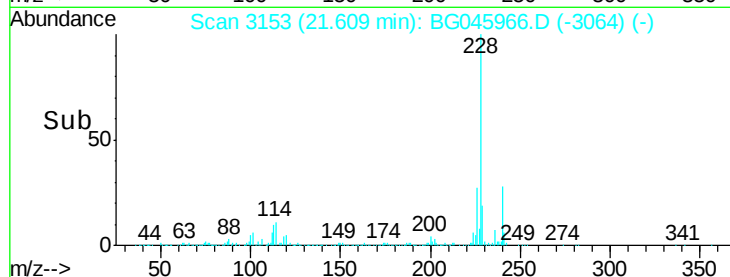
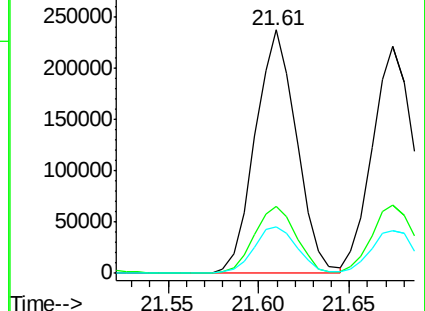
229 18.9 17.8 26.8



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: 10.384 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

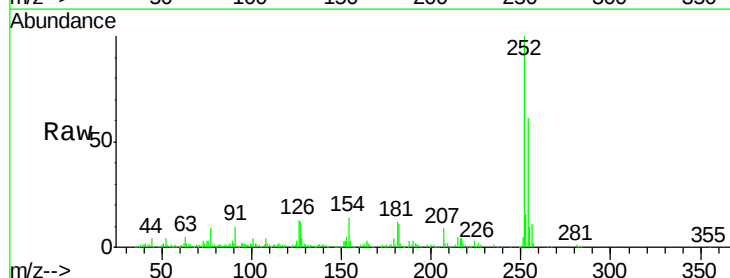
Tgt Ion:252 Resp: 143538

Ion Ratio Lower Upper

252 100

254 61.0 52.9 79.3

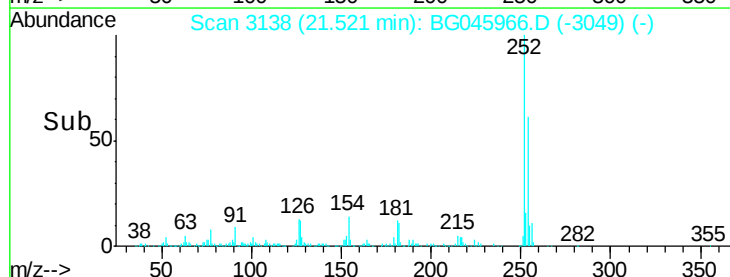
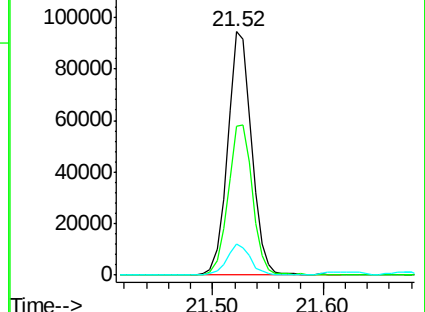
126 12.6 10.4 15.6

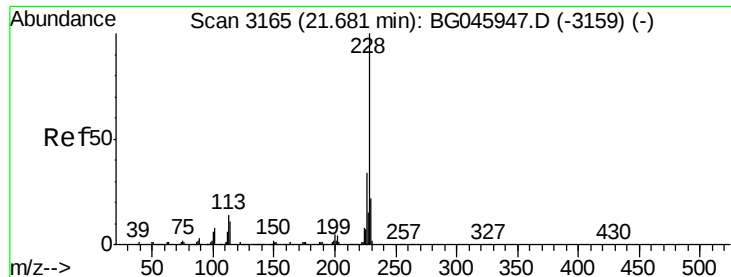


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.813 ng

RT: 21.67 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

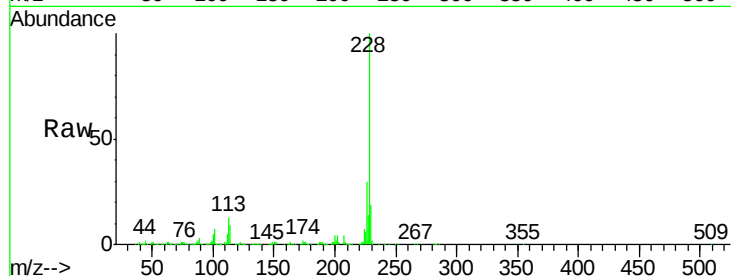
Tot Ion:228 Resp: 349706

Ion Ratio Lower Upper

228 100

226 30.1 26.7 40.1

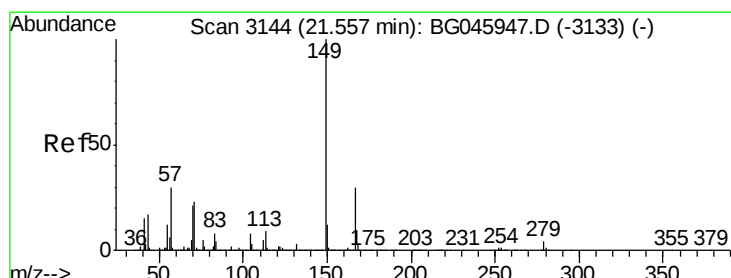
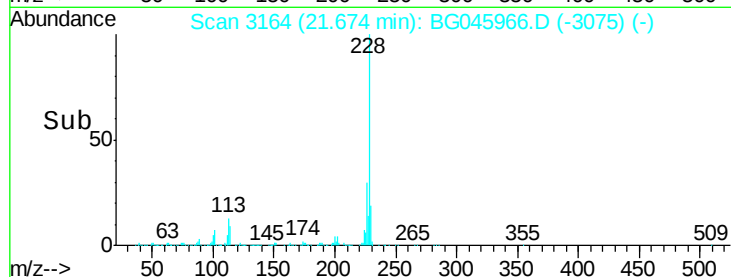
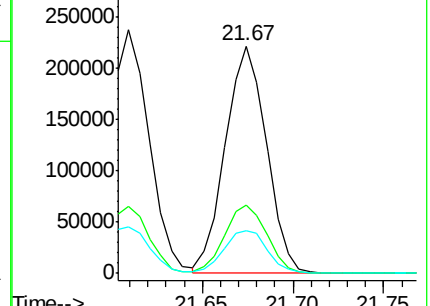
229 18.8 17.3 25.9



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: 9.562 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

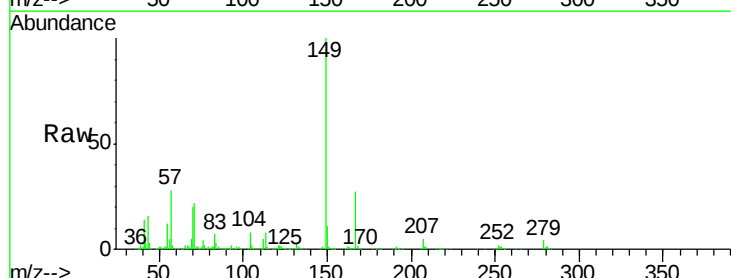
Tgt Ion:149 Resp: 254737

Ion Ratio Lower Upper

149 100

167 26.5 23.8 35.8

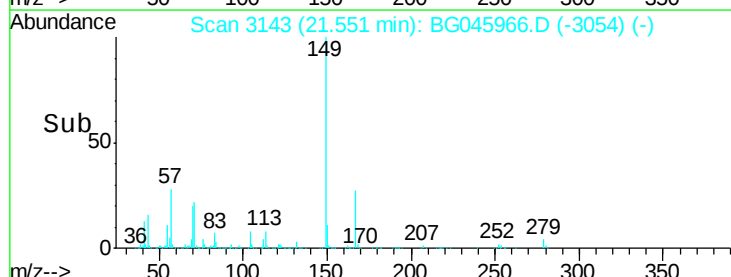
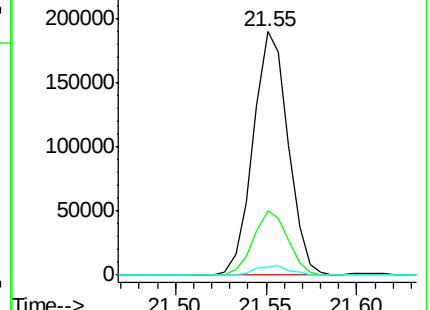
279 3.5 3.5 5.3#

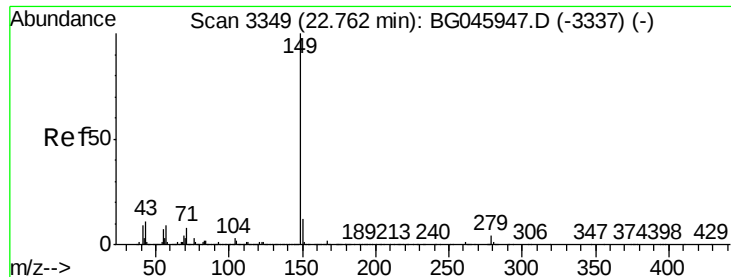


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

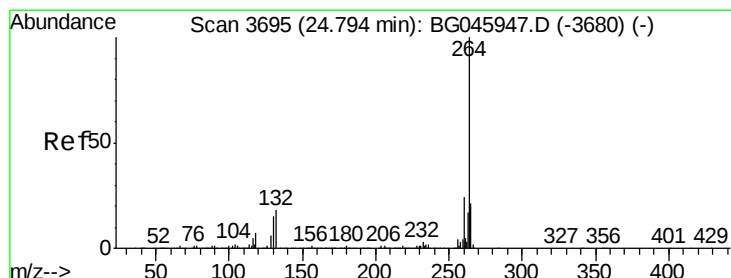
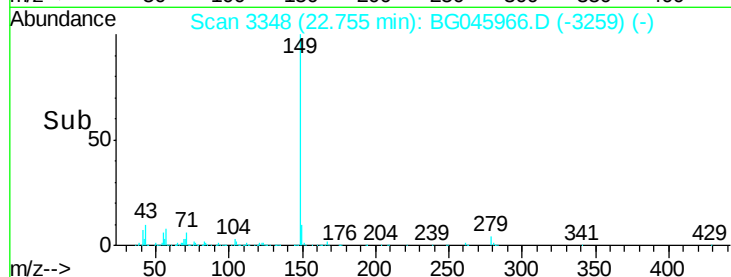
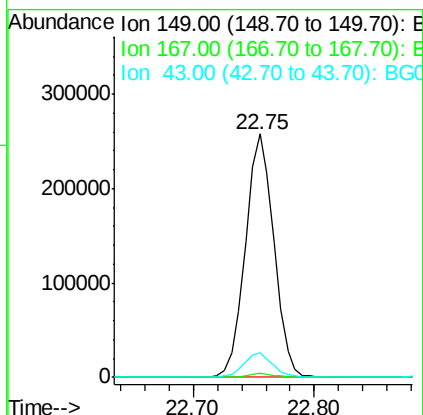
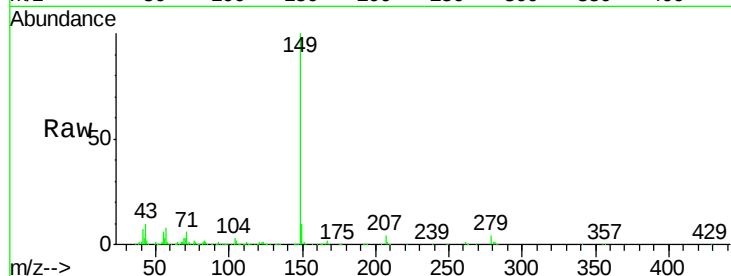




#85
Di-n-octyl phthalate
Concen: 9.163 ng
RT: 22.75 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

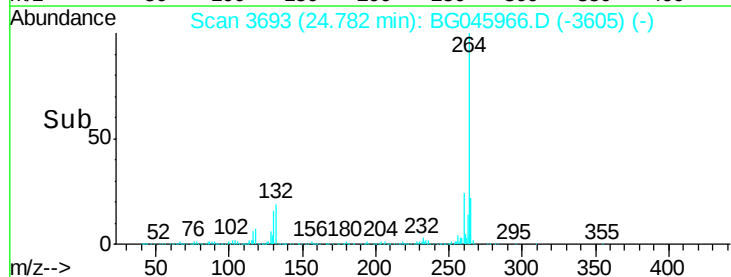
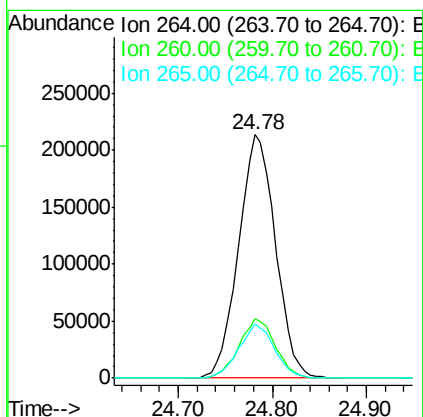
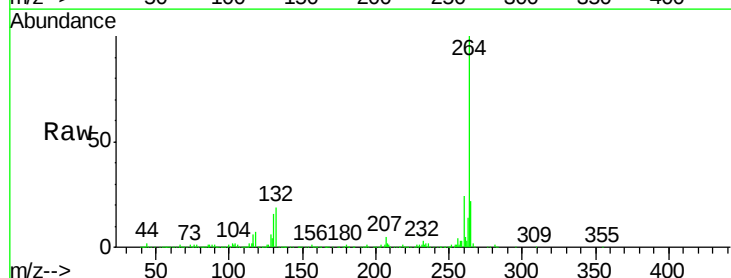
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT3-2020

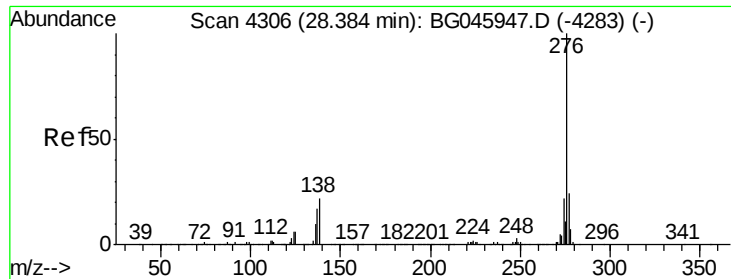
Tot Ion:149 Resp: 423588
Ion Ratio Lower Upper
149 100
167 1.6 1.4 2.0
43 9.8 8.6 12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045966.D
Acq: 7 Jul 2020 19:21

Tgt Ion:264 Resp: 579742
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.4 16.9 25.3

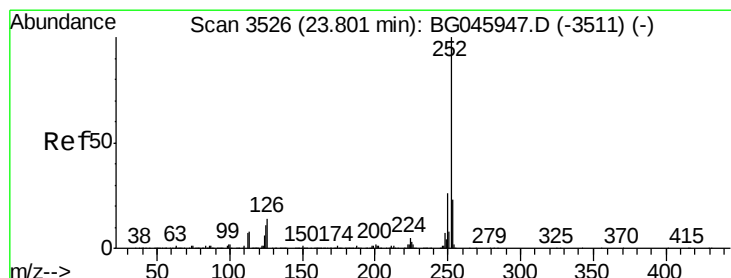
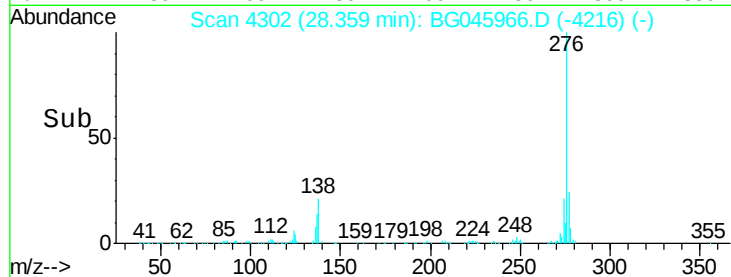
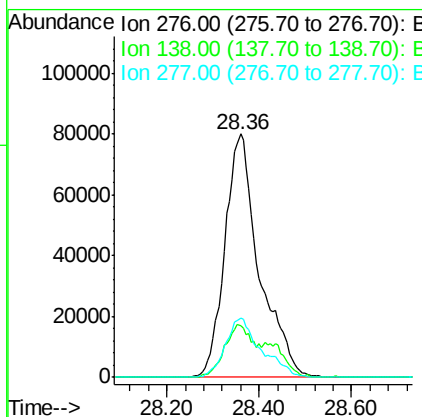
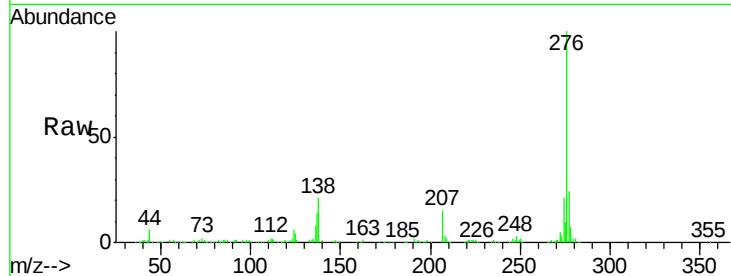




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.739 ng
 RT: 28.36 min Scan# 4302
 Delta R.T. -0.02 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

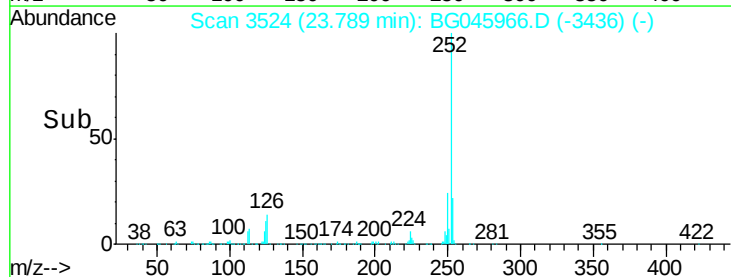
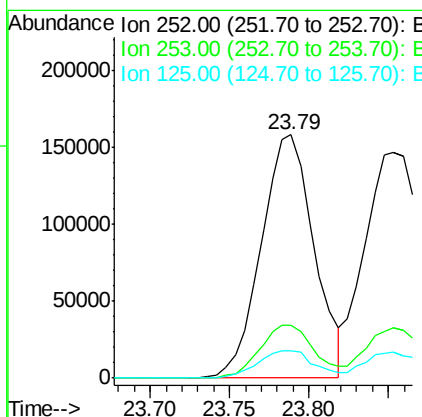
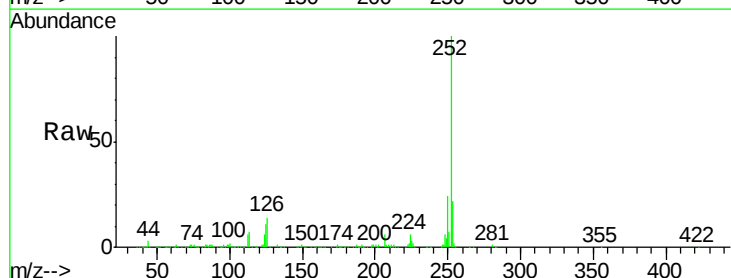
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

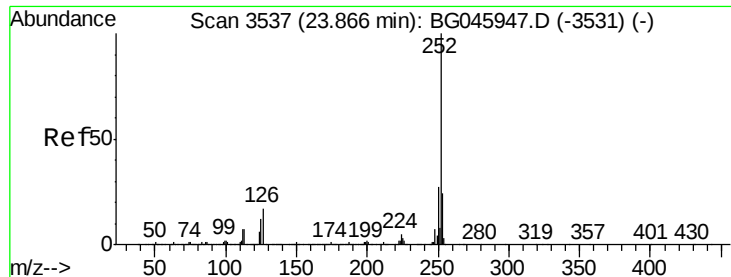
Tot Ion:276 Resp: 413040
 Ion Ratio Lower Upper
 276 100
 138 18.9 16.4 24.6
 277 25.3 20.6 31.0



#88
 Benzo(b)fluoranthene
 Concen: 9.950 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG045966.D
 Acq: 7 Jul 2020 19:21

Tgt Ion:252 Resp: 366195
 Ion Ratio Lower Upper
 252 100
 253 21.5 18.5 27.7
 125 11.4 9.2 13.8





#89

Benzo(k)fluoranthene

Concen: 10.538 ng

RT: 23.85 min Scan# 3535

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

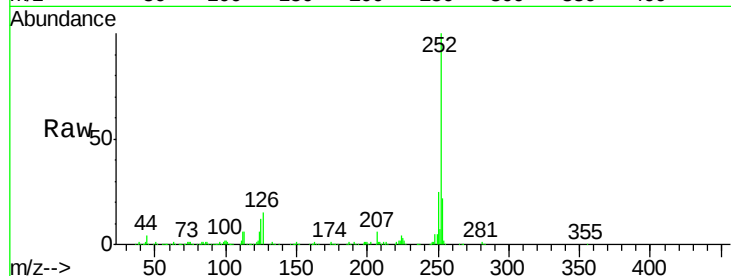
Tot Ion:252 Resp: 366708

Ion Ratio Lower Upper

252 100

253 22.0 18.9 28.3

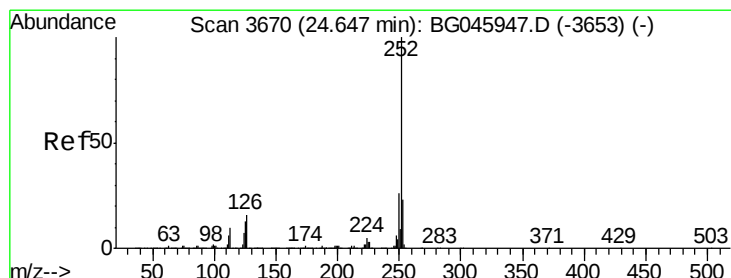
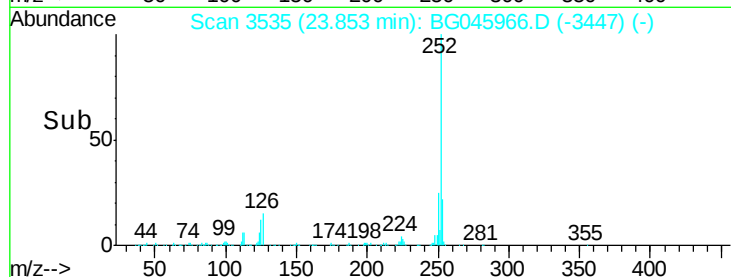
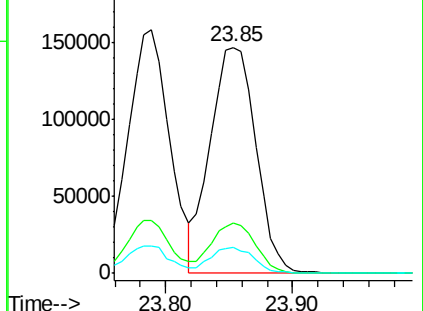
125 11.7 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.721 ng

RT: 24.63 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

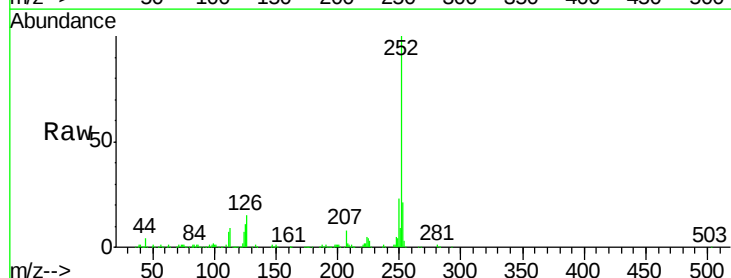
Tgt Ion:252 Resp: 336397

Ion Ratio Lower Upper

252 100

253 21.4 18.6 28.0

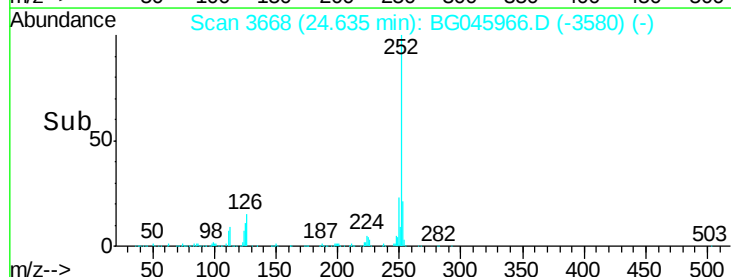
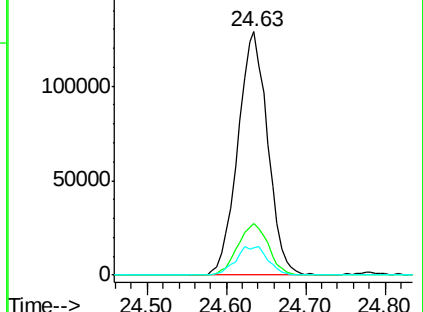
125 11.0 10.5 15.7

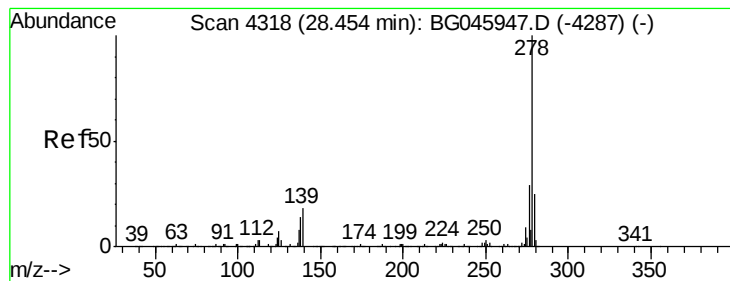


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 10.054 ng

RT: 28.43 min Scan# 4314

Delta R.T. -0.02 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT3-2020

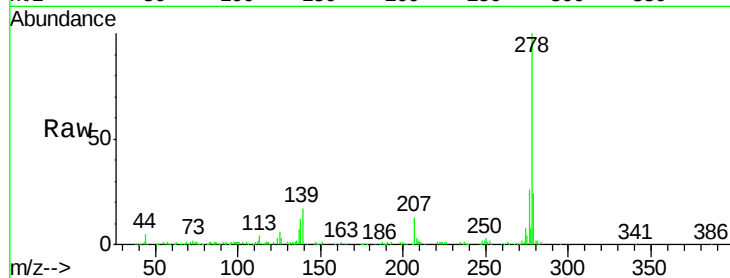
Tot Ion:278 Resp: 343938

Ion Ratio Lower Upper

278 100

139 17.1 14.3 21.5

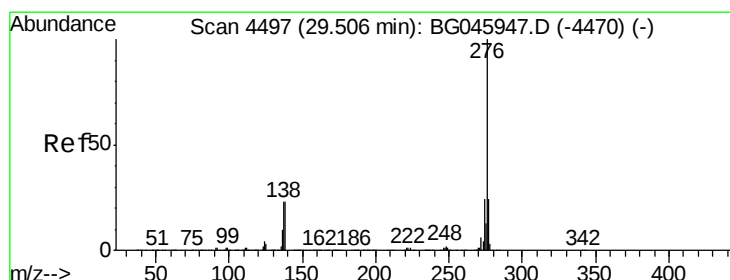
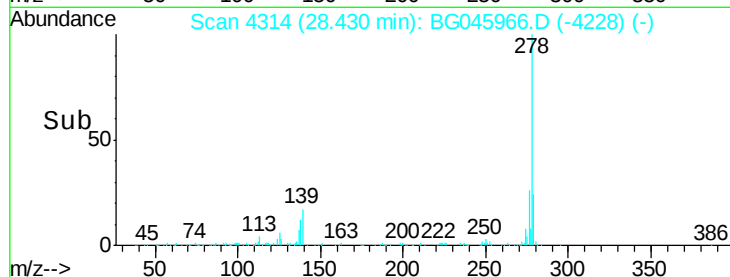
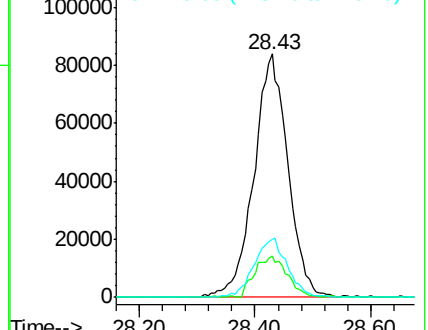
279 24.1 19.8 29.6



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: 9.996 ng

RT: 29.46 min Scan# 4490

Delta R.T. -0.04 min

Lab File: BG045966.D

Acq: 7 Jul 2020 19:21

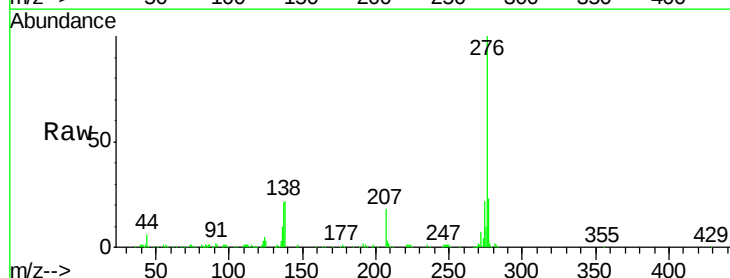
Tgt Ion:276 Resp: 344109

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 22.3 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

