

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045964.D
 Acq On : 7 Jul 2020 18:00
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-5PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 07 18:50:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 18:09:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	117949	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	466302	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	284055	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	567035	20.00	ng	0.00
76) Chrysene-d12	21.63	240	540373	20.00	ng	0.00
86) Perylene-d12	24.78	264	548582	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1161868	159.74	ng	0.00
7) Phenol-d6	7.17	99	1614160	154.15	ng	0.00
23) Nitrobenzene-d5	9.16	82	1308435	161.51	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	459828	174.42	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2445288	134.28	ng	0.00
79) Terphenyl-d14	19.99	244	2890628	119.05	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	18704	5.574	ng	91
3) Pyridine	3.91	79	42746	4.213	ng	# 95
4) n-Nitrosodimethylamine	3.82	42	17954	5.233	ng	# 90
6) Aniline	7.33	93	66421	4.958	ng	94
8) 2-Chlorophenol	7.57	128	37585	4.800	ng	96
9) Benzaldehyde	7.14	77	45624	6.877	ng	96
10) Phenol	7.19	94	52028	4.953	ng	92
11) bis(2-Chloroethyl)ether	7.43	93	42527	4.896	ng	100
12) 1,3-Dichlorobenzene	7.90	146	42345	4.692	ng	99
13) 1,4-Dichlorobenzene	8.04	146	44168	4.975	ng	93
14) 1,2-Dichlorobenzene	8.37	146	39963	4.677	ng	98
15) Benzyl Alcohol	8.24	79	36929	4.498	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.54	45	53359	4.708	ng	99
17) 2-Methylphenol	8.44	107	34250	4.345	ng	94
18) Hexachloroethane	9.09	117	16910	4.950	ng	95
19) n-Nitroso-di-n-propylamine	8.81	70	35635	4.844	ng	97
20) 3+4-Methylphenols	8.76	107	46087	4.290	ng	97
22) Acetophenone	8.82	105	68046	5.462	ng	99
24) Nitrobenzene	9.20	77	49607	5.548	ng	99
25) Isophorone	9.72	82	98785	4.995	ng	97
26) 2-Nitrophenol	9.92	139	13559	4.652	ng	94
27) 2,4-Dimethylphenol	9.98	122	36891	5.240	ng	98
28) bis(2-Chloroethoxy)methane	10.21	93	55698	5.015	ng	98
29) 2,4-Dichlorophenol	10.45	162	33502	4.597	ng	95
30) 1,2,4-Trichlorobenzene	10.67	180	39652	4.911	ng	95
31) Naphthalene	10.86	128	125230	5.010	ng	99
32) Benzoic acid	10.02	122	7911	2.075	ng	90
33) 4-Chloroaniline	10.95	127	52531	4.703	ng	93
34) Hexachlorobutadiene	11.16	225	21866	4.638	ng	95
35) Caprolactam	11.69	113	11906	4.303	ng	97
36) 4-Chloro-3-methylphenol	12.07	107	38278	4.612	ng	100
37) 2-Methylnaphthalene	12.46	142	90345	5.084	ng	97
38) 1-Methylnaphthalene	12.68	142	85922	5.124	ng	91
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	42572	5.317	ng	98

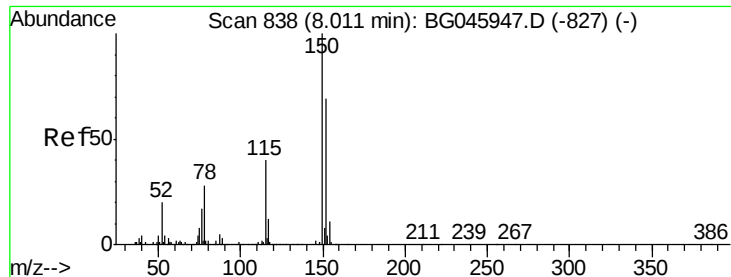
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045964.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.81	237	23432	4.932	ng	97
43) 2,4,6-Trichlorophenol	13.06	196	24509	4.526	ng	94
44) 2,4,5-Trichlorophenol	13.13	196	25896	4.229	ng	# 91
46) 1,1'-Biphenyl	13.46	154	121567	5.689	ng	93
47) 2-Chloronaphthalene	13.51	162	83366	4.945	ng	98
48) 2-Nitroaniline	13.69	65	18341	4.648	ng	96
49) Acenaphthylene	14.35	152	142711	5.246	ng	94
50) Dimethylphthalate	14.08	163	101052	4.740	ng	98
51) 2,6-Dinitrotoluene	14.19	165	15394	4.654	ng	96
52) Acenaphthene	14.69	154	84436	4.921	ng	96
53) 3-Nitroaniline	14.52	138	17106	4.173	ng	# 93
54) 2,4-Dinitrophenol	14.72	184	3363	2.882	ng	# 32
55) Dibenzofuran	15.03	168	130166	5.175	ng	96
56) 4-Nitrophenol	14.82	139	13509	3.890	ng	93
57) 2,4-Dinitrotoluene	14.97	165	17084	4.180	ng	97
58) Fluorene	15.67	166	105099	5.094	ng	94
59) 2,3,4,6-Tetrachlorophenol	15.17	232	20195	4.272	ng	98
60) Diethylphthalate	15.45	149	108807	4.867	ng	97
61) 4-Chlorophenyl-phenylether	15.67	204	48806	4.755	ng	96
62) 4-Nitroaniline	15.67	138	19100	4.335	ng	94
63) Azobenzene	15.97	77	123633	5.152	ng	97
65) 4,6-Dinitro-2-methylphenol	15.74	198	5773	3.476	ng	87
66) n-Nitrosodiphenylamine	15.88	169	88706	5.048	ng	96
67) 4-Bromophenyl-phenylether	16.57	248	30582	4.829	ng	93
68) Hexachlorobenzene	16.68	284	32149	5.059	ng	94
69) Atrazine	16.83	200	30230	5.819	ng	95
70) Pentachlorophenol	17.02	266	14104	3.992	ng	98
71) Phenanthrene	17.41	178	161027	5.372	ng	95
72) Anthracene	17.50	178	168902	5.552	ng	93
73) Carbazole	17.76	167	155375	5.095	ng	95
74) Di-n-butylphthalate	18.35	149	188898	5.126	ng	96
75) Fluoranthene	19.42	202	191564	5.528	ng	94
77) Benzidine	19.59	184	88885	5.753	ng	97
78) Pyrene	19.78	202	198048	5.369	ng	94
80) Butylbenzylphthalate	20.68	149	76815	4.407	ng	99
81) Benzo(a)anthracene	21.61	228	182090	5.125	ng	96
82) 3,3'-Dichlorobenzidine	21.52	252	65691	5.003	ng	95
83) Chrysene	21.67	228	173633	5.130	ng	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	120035	4.744	ng	93
85) Di-n-octyl phthalate	22.75	149	199027	4.533	ng	98
87) Indeno(1,2,3-cd)pyrene	28.36	276	194842	4.855	ng	# 88
88) Benzo(b)fluoranthene	23.79	252	174005	4.997	ng	97
89) Benzo(k)fluoranthene	23.85	252	176357	5.356	ng	95
90) Benzo(a)pyrene	24.64	252	160848	4.912	ng	97
91) Dibenzo(a,h)anthracene	28.43	278	161943	5.003	ng	97
92) Benzo(g,h,i)perylene	29.45	276	162912	5.001	ng	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

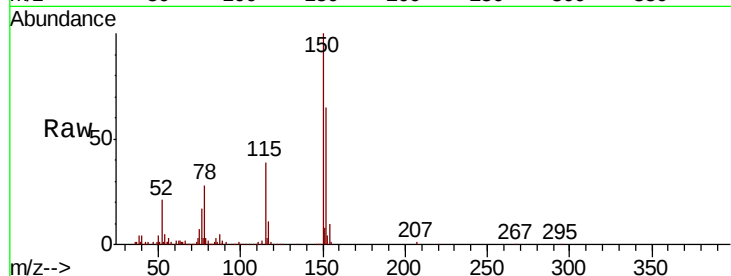
Tot Ion:152 Resp: 117949

Ion Ratio Lower Upper

152 100

150 153.2 116.7 175.1

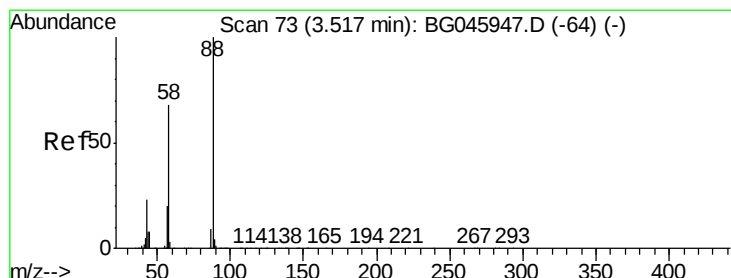
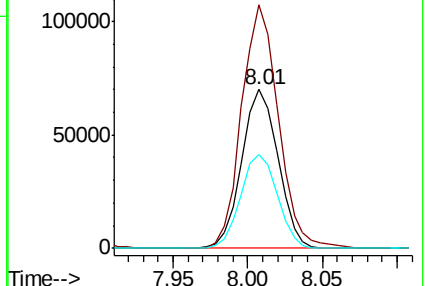
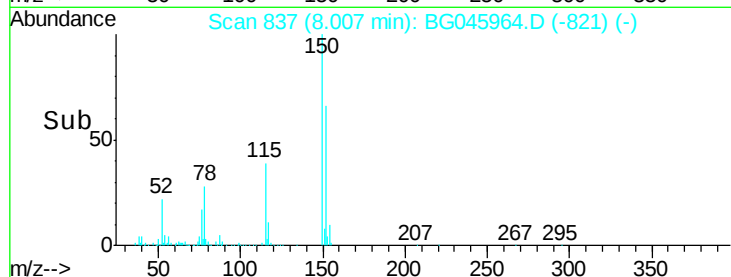
115 59.1 47.4 71.0



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



#2

1,4-Dioxane

Concen: 5.574 ng

RT: 3.52 min Scan# 73

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

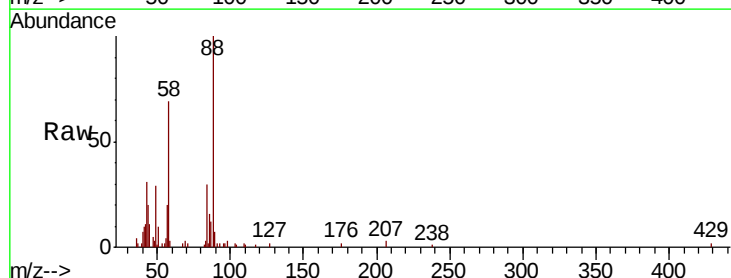
Tgt Ion: 88 Resp: 18704

Ion Ratio Lower Upper

88 100

58 77.3 55.2 82.8

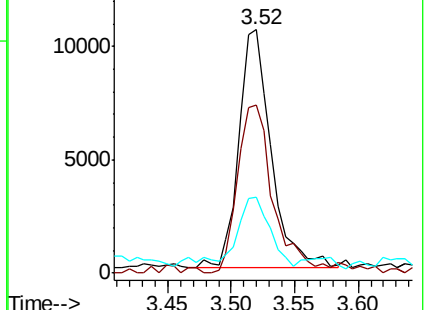
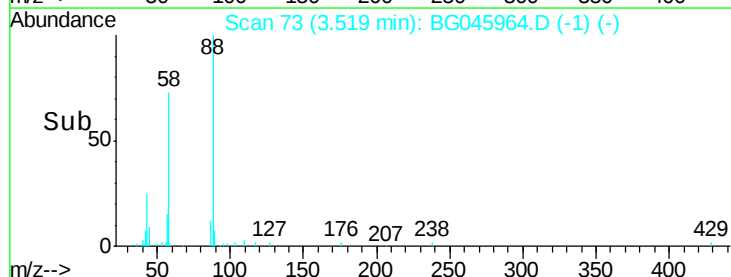
43 27.5 19.4 29.0

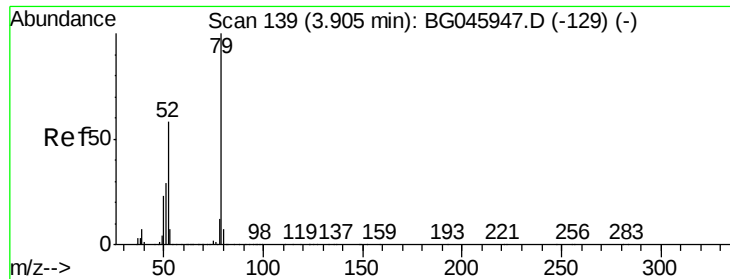


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.213 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

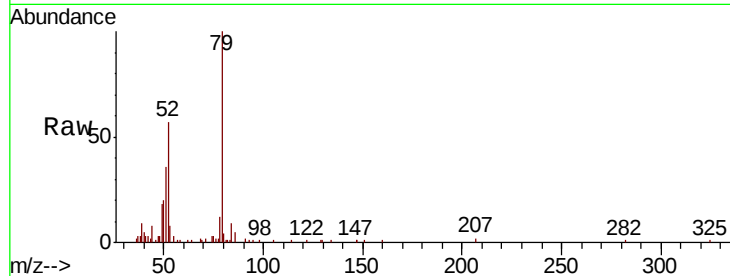
Tot Ion: 79 Resp: 42746

Ion Ratio Lower Upper

79 100

52 57.3 46.5 69.7

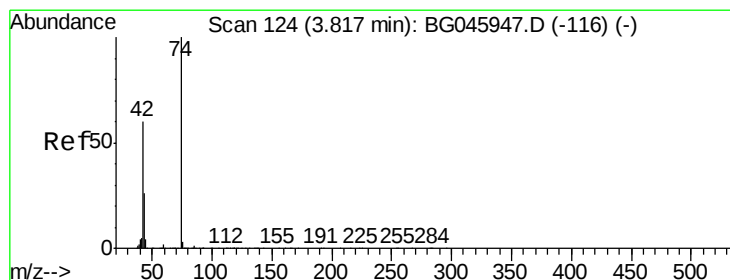
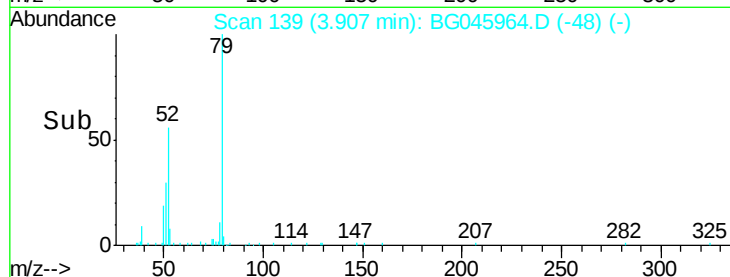
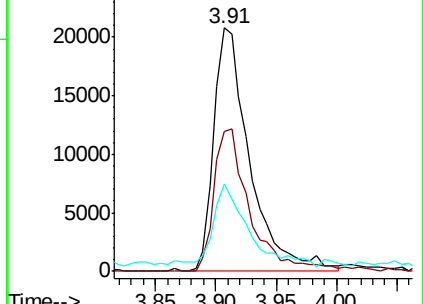
51 35.7 23.5 35.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 5.233 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

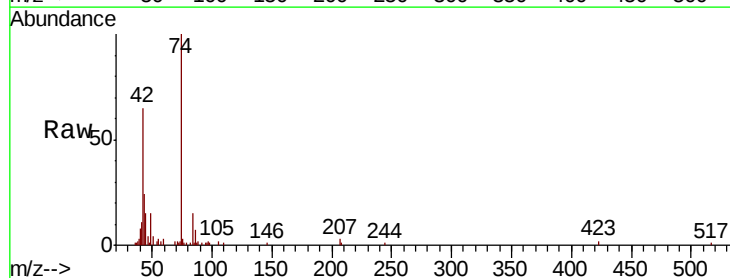
Tgt Ion: 42 Resp: 17954

Ion Ratio Lower Upper

42 100

74 154.0 131.9 197.9

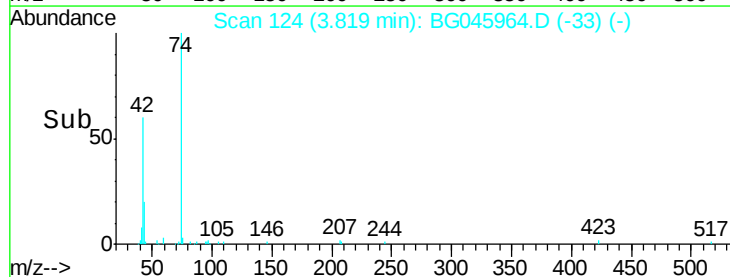
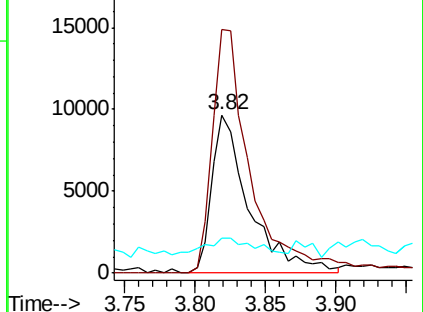
44 22.4 7.7 11.5#

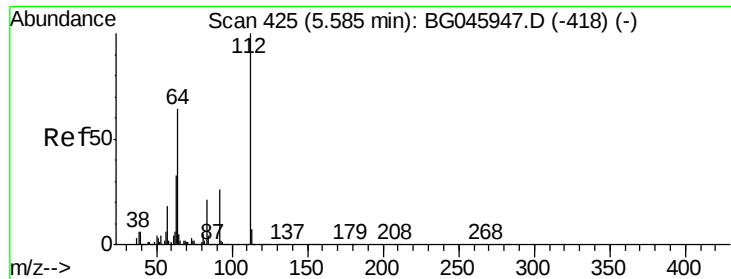


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 159.744 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

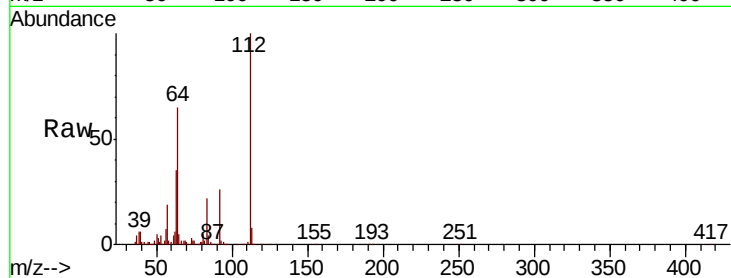
Tot Ion:112 Resp: 1161868

Ion Ratio Lower Upper

112 100

64 65.5 51.4 77.2

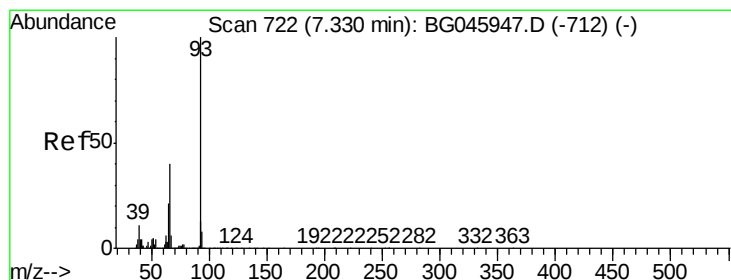
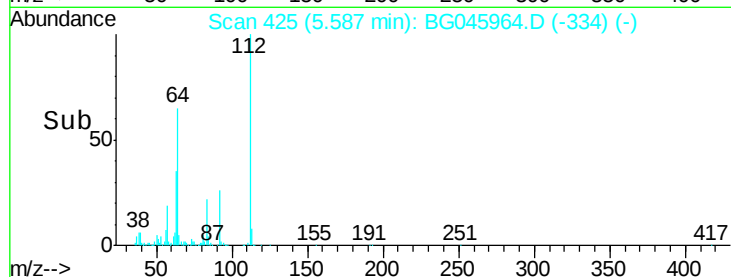
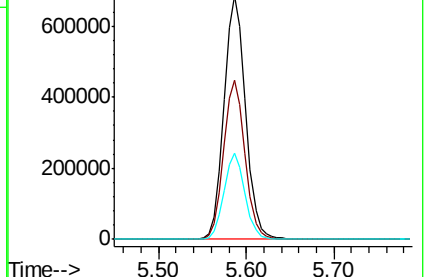
63 35.3 26.6 40.0



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: 4.958 ng

RT: 7.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

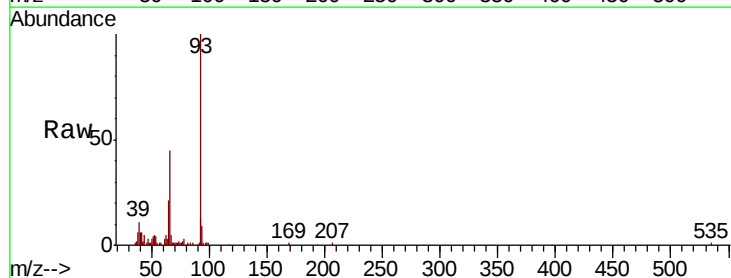
Tgt Ion: 93 Resp: 66421

Ion Ratio Lower Upper

93 100

66 45.5 32.3 48.5

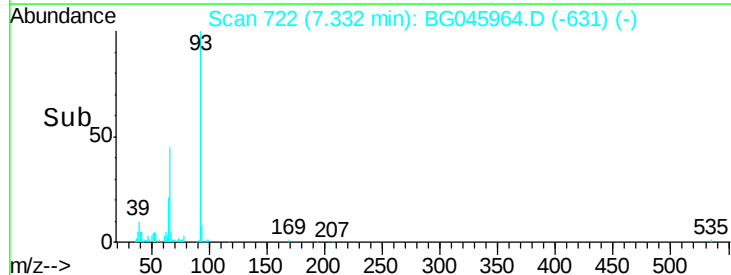
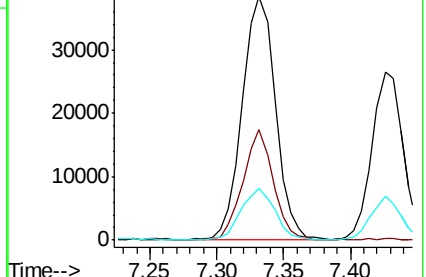
65 21.3 16.6 25.0

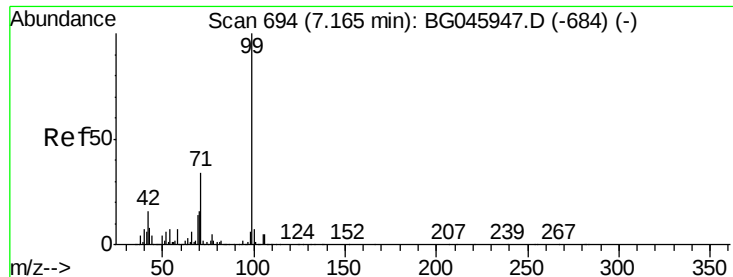


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 154.148 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

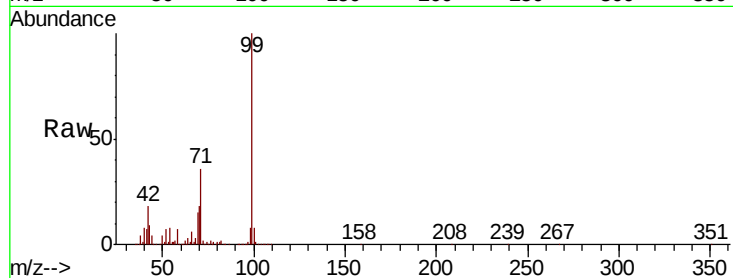
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 99 Resp: 1614160

Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.0	19.4
71	35.6	27.5	41.3

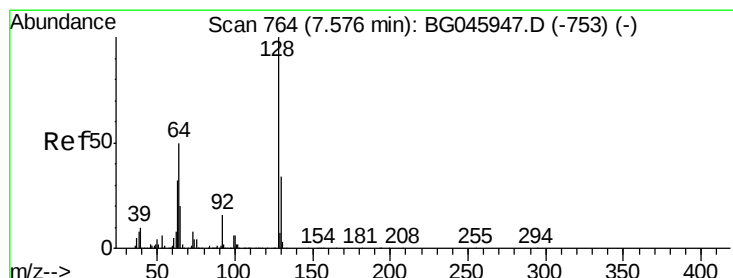
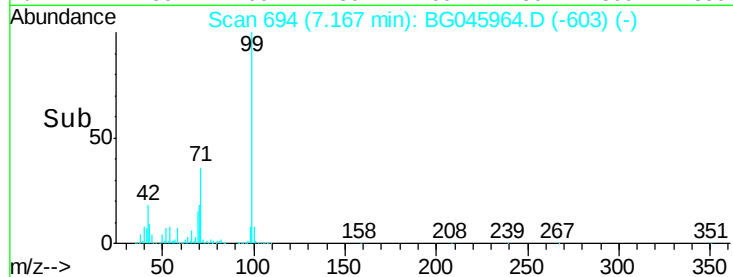
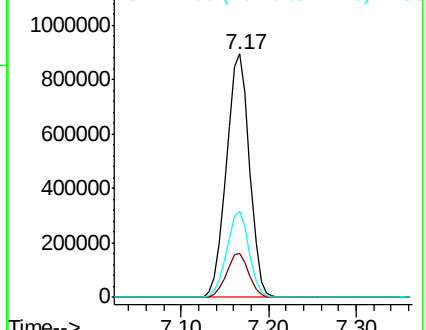


Abundance

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: 4.800 ng

RT: 7.57 min Scan# 763

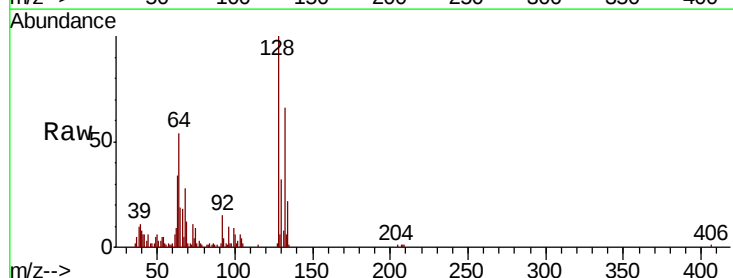
Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion: 128 Resp: 37585

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.6	53.6
64	54.4	30.6	70.6

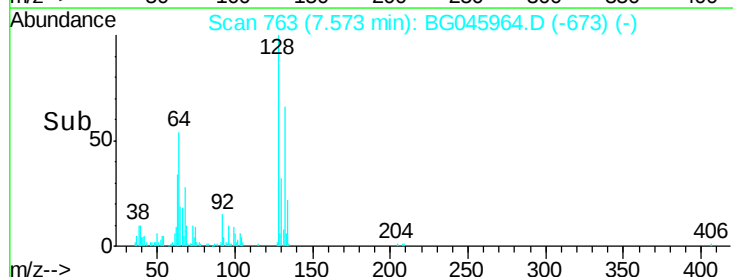
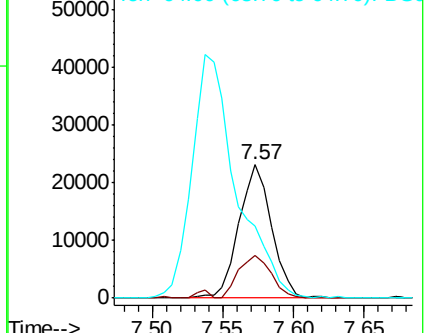


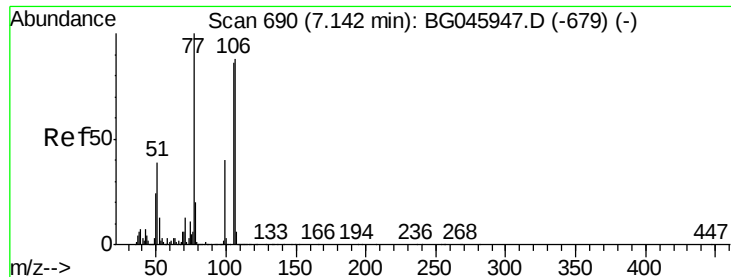
Abundance

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: 6.877 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

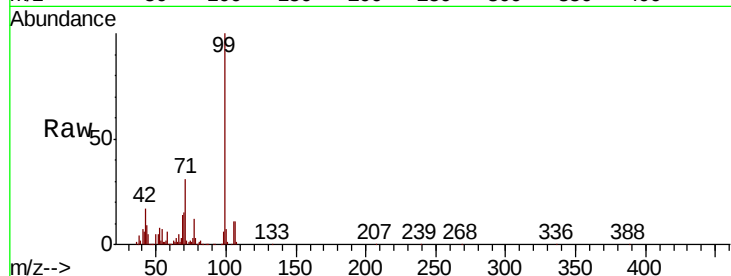
Tot Ion: 77 Resp: 45624

Ion Ratio Lower Upper

77 100

105 91.1 66.0 106.0

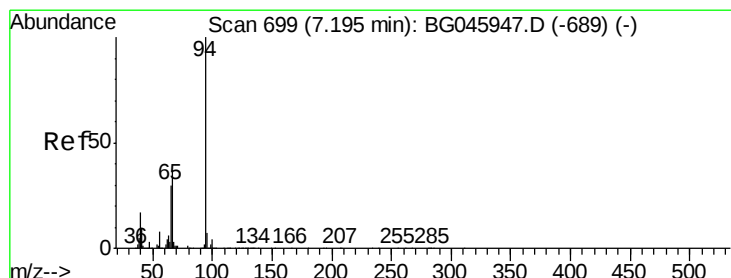
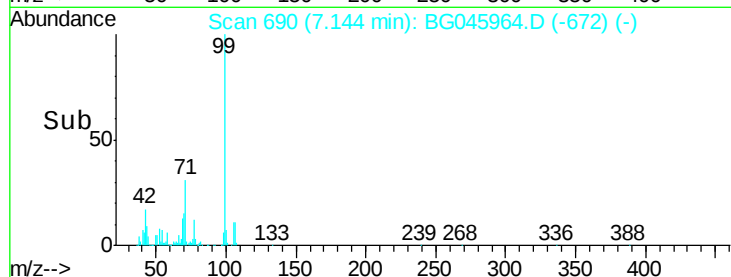
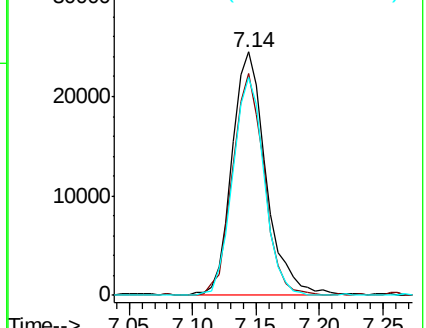
106 89.5 67.7 107.7



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: 4.953 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

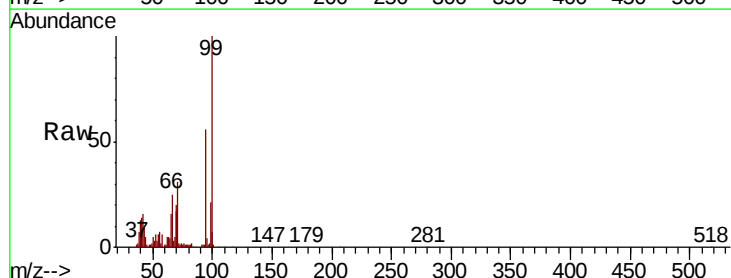
Tgt Ion: 94 Resp: 52028

Ion Ratio Lower Upper

94 100

65 29.5 10.6 50.6

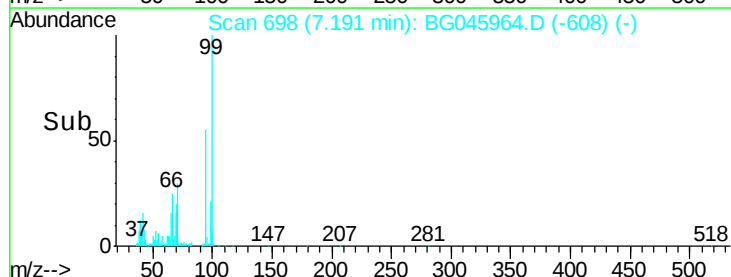
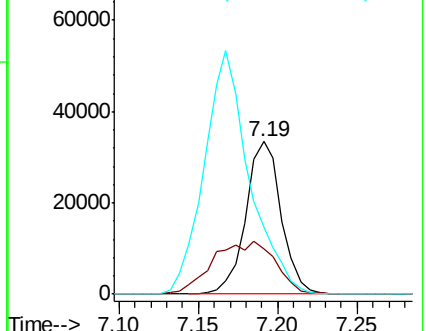
66 44.4 17.1 57.1

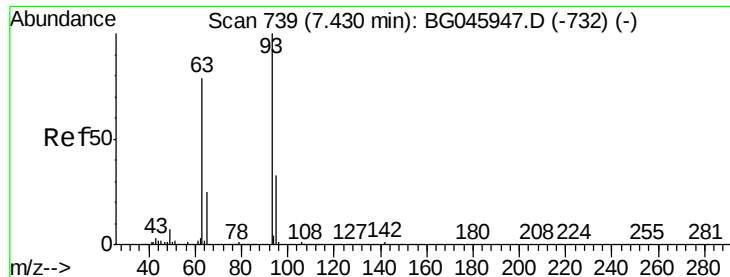


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

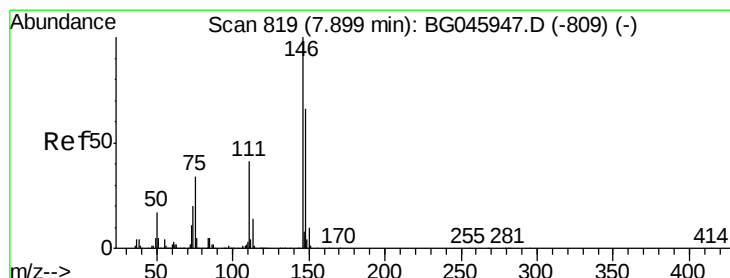
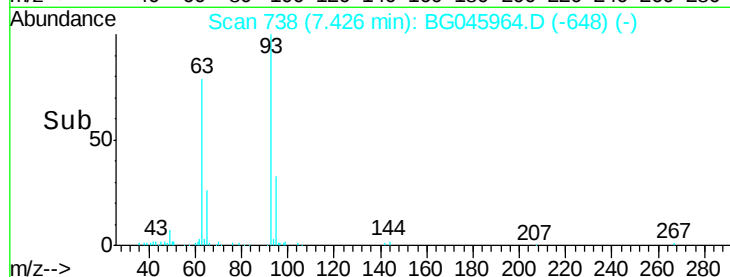
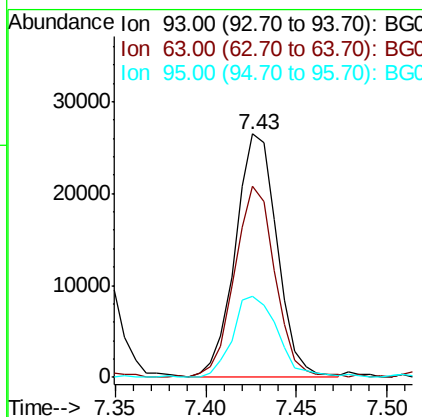
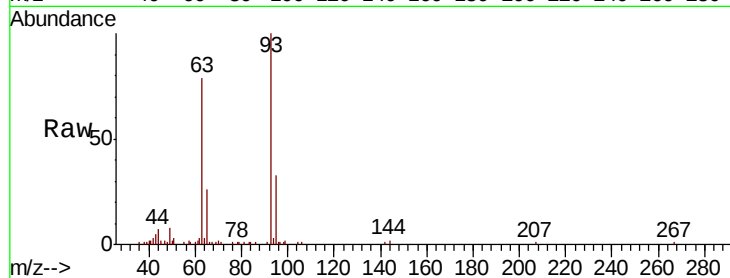




#11
bis(2-Chloroethyl)ether
Concen: 4.896 ng
RT: 7.43 min Scan# 738
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

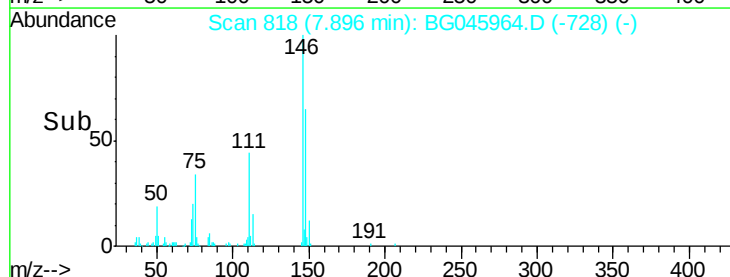
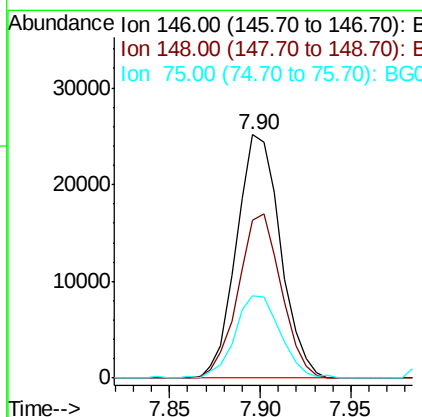
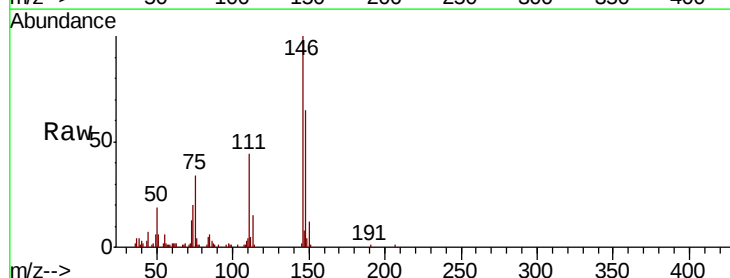
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

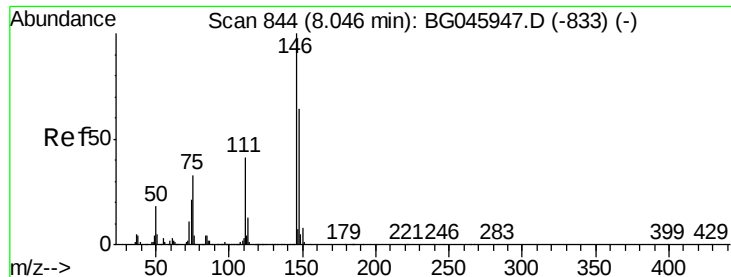
Tot Ion: 93 Resp: 42527
Ion Ratio Lower Upper
93 100
63 78.6 58.6 98.6
95 33.4 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 4.692 ng
RT: 7.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion: 146 Resp: 42345
Ion Ratio Lower Upper
146 100
148 64.8 52.8 79.2
75 34.0 27.2 40.8

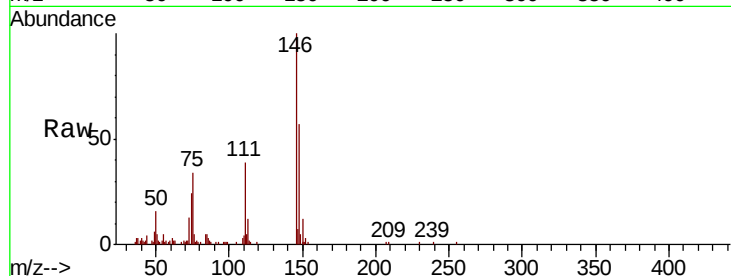




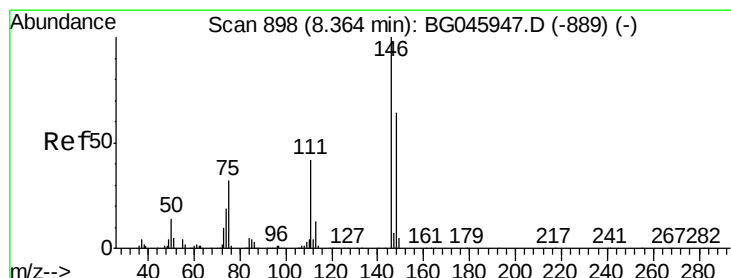
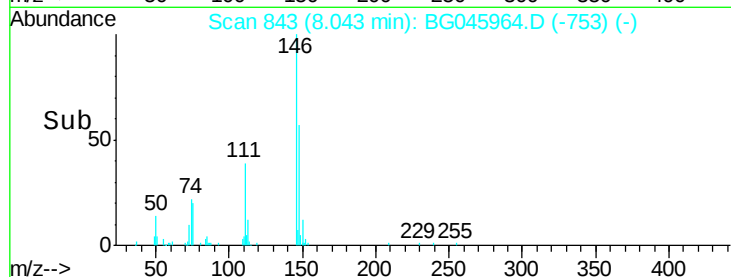
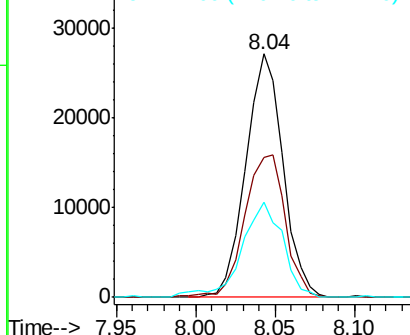
#13
 1,4-Dichlorobenzene
 Concen: 4.975 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:146 Resp: 44168
 Ion Ratio Lower Upper
 146 100
 148 57.5 51.7 77.5
 111 39.0 33.3 49.9

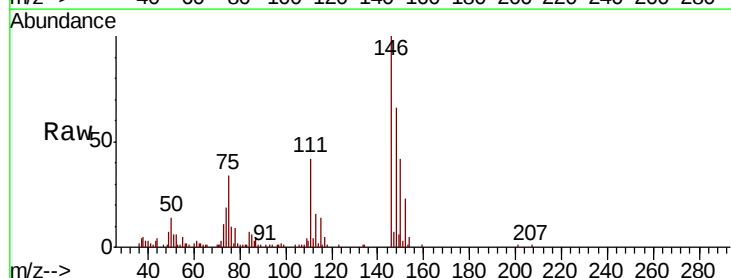


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

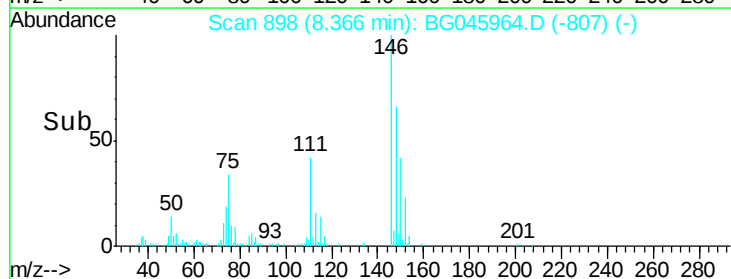
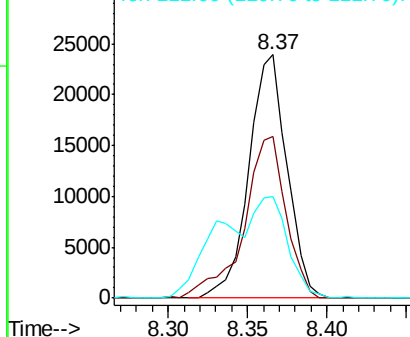


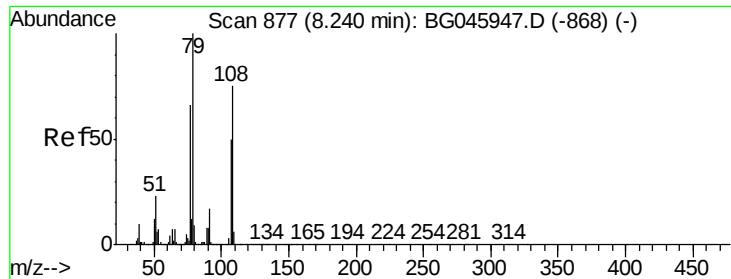
#14
 1,2-Dichlorobenzene
 Concen: 4.677 ng
 RT: 8.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion:146 Resp: 39963
 Ion Ratio Lower Upper
 146 100
 148 66.4 51.6 77.4
 111 41.8 34.0 51.0



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





#15

Benzyl Alcohol

Concen: 4.498 ng

RT: 8.24 min Scan# 876

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

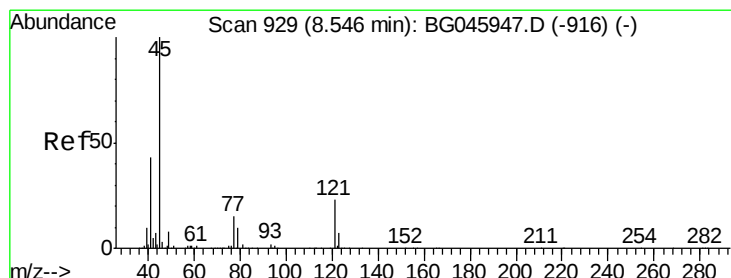
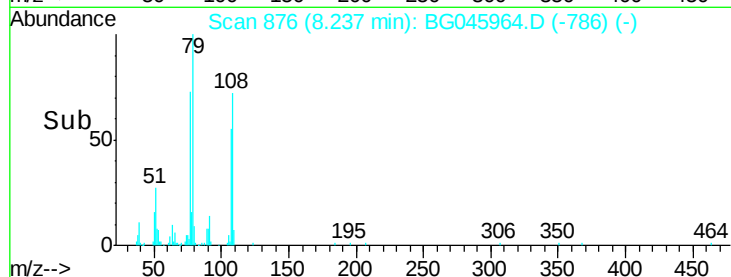
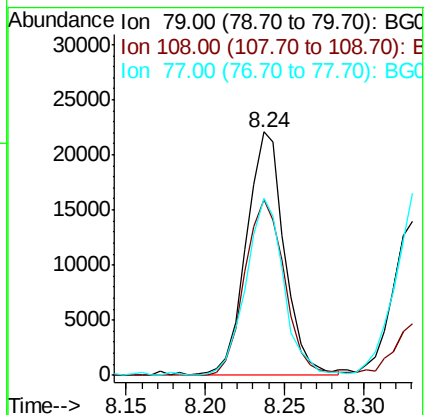
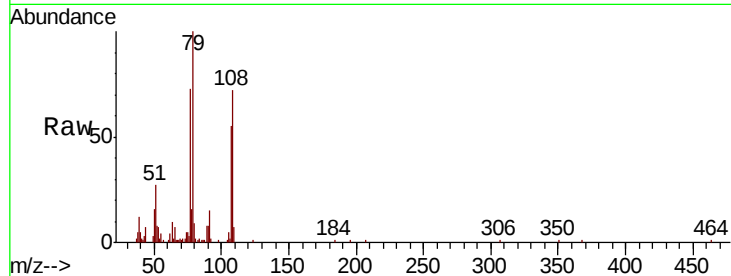
Tot Ion: 79 Resp: 36929

Ion Ratio Lower Upper

79 100

108 72.3 60.2 90.4

77 72.6 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.708 ng

RT: 8.54 min Scan# 928

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

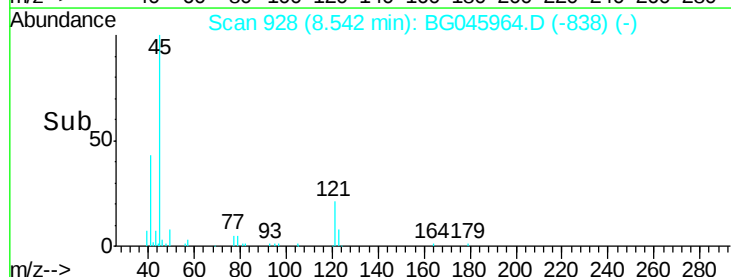
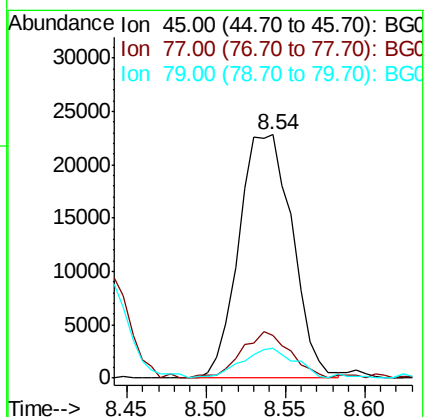
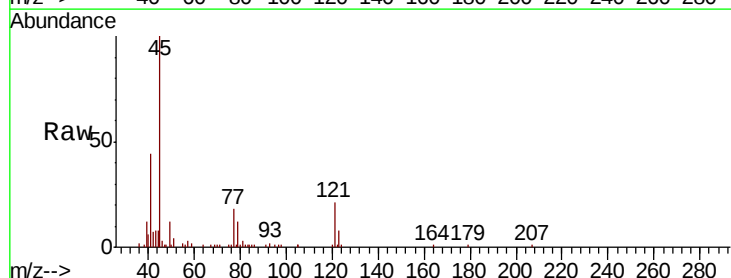
Tgt Ion: 45 Resp: 53359

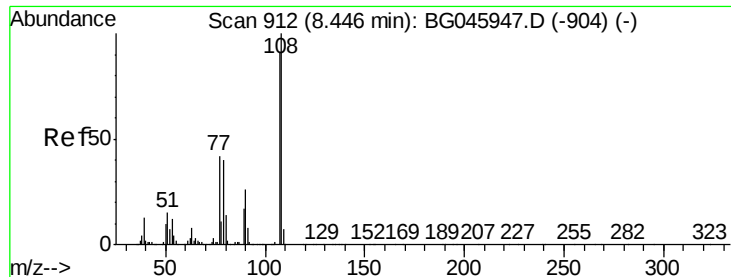
Ion Ratio Lower Upper

45 100

77 17.8 0.0 37.6

79 12.1 0.0 32.6

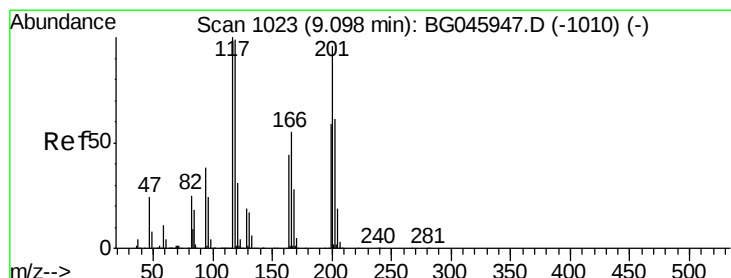
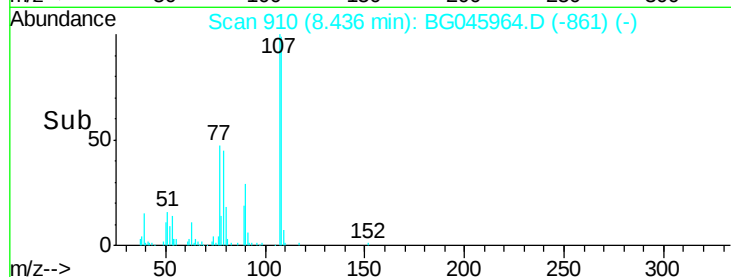
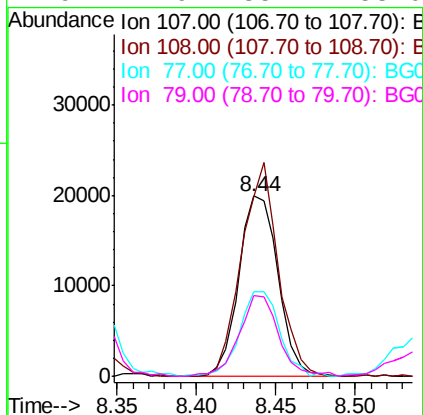
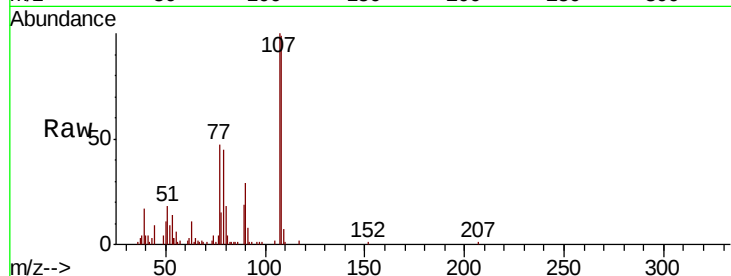




#17
2-Methylphenol
Concen: 4.345 ng
RT: 8.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

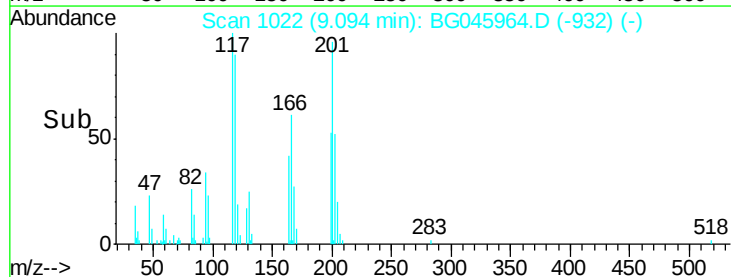
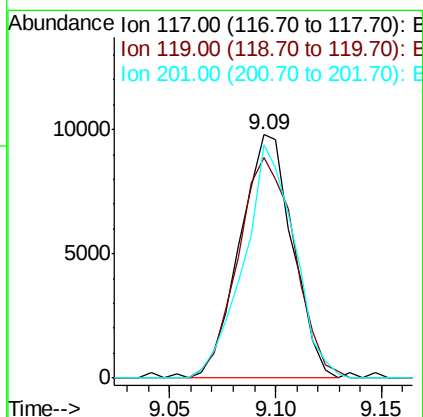
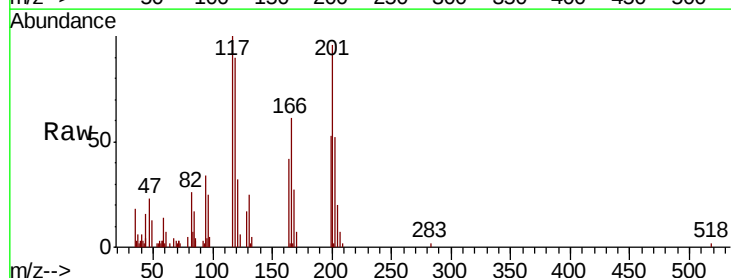
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

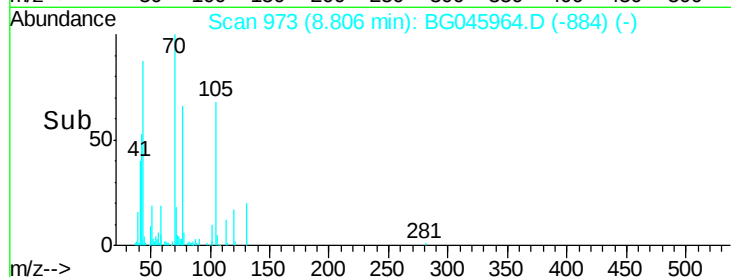
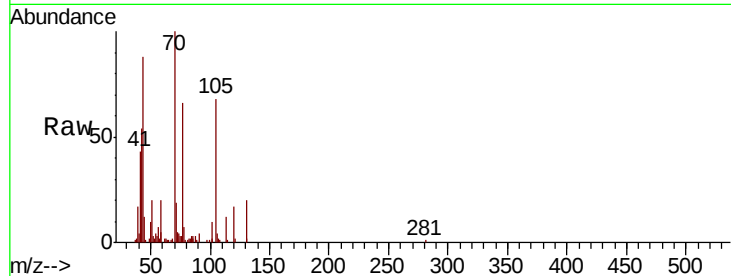
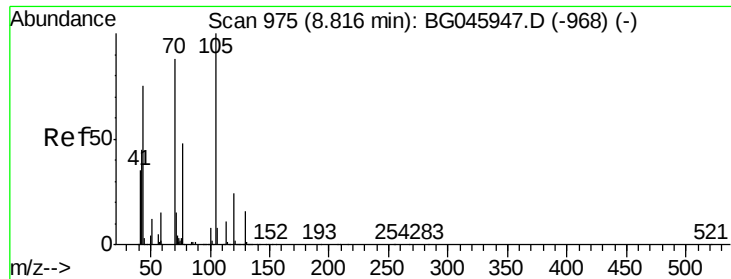
Tot Ion	Ratio	Lower	Upper
107	100		
108	99.4	88.2	132.4
77	46.7	37.0	55.4
79	44.9	35.4	53.0



#18
Hexachloroethane
Concen: 4.950 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	79.5	119.3
201	95.6	77.0	115.4

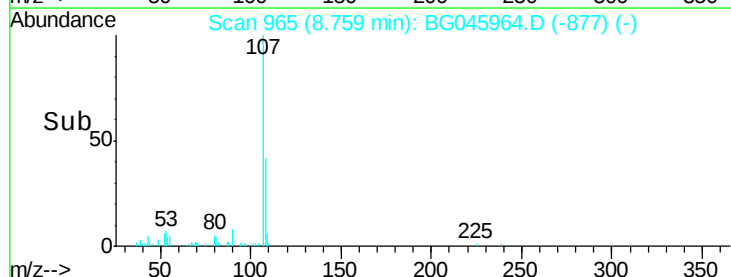
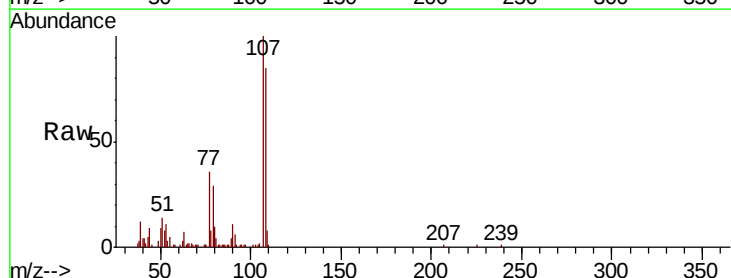
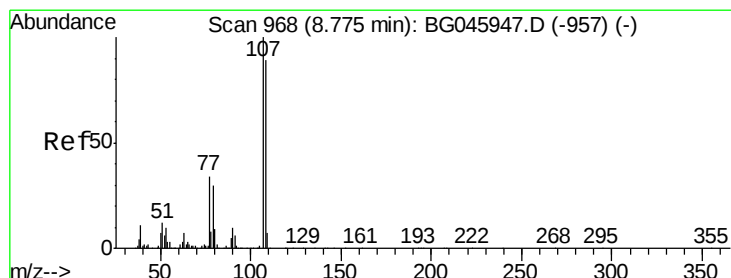
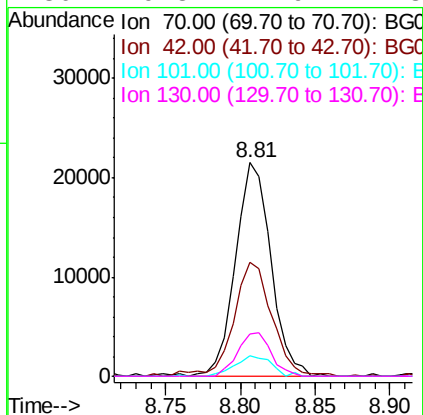




#19
n-Nitroso-di-n-propylamine
Concen: 4.844 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

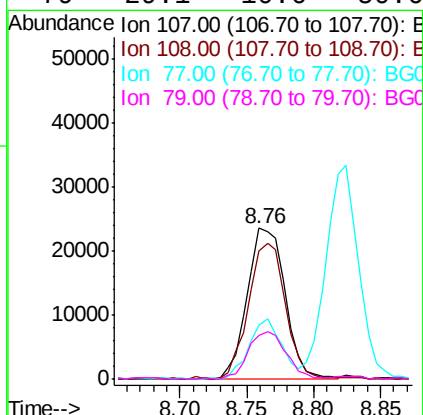
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

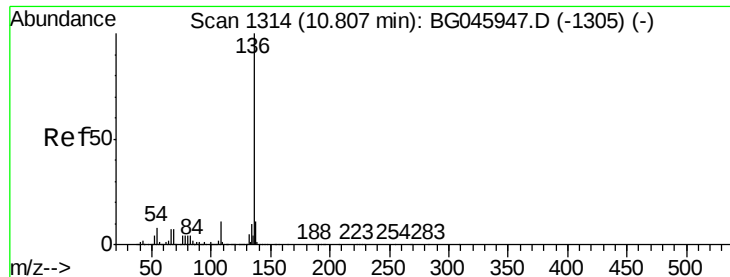
Tot Ion:	70	Resp:	35635
Ion	Ratio	Lower	Upper
70	100		
42	53.6	41.4	62.0
101	9.5	7.1	10.7
130	19.8	14.9	22.3



#20
3+4-Methylphenols
Concen: 4.290 ng
RT: 8.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:	107	Resp:	46087
Ion	Ratio	Lower	Upper
107	100		
108	85.1	68.7	108.7
77	35.6	14.6	54.6
79	29.1	10.6	50.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 466302

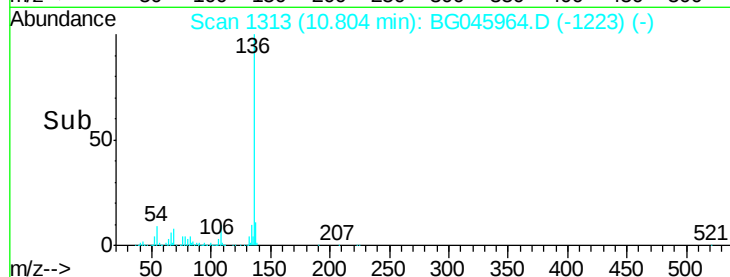
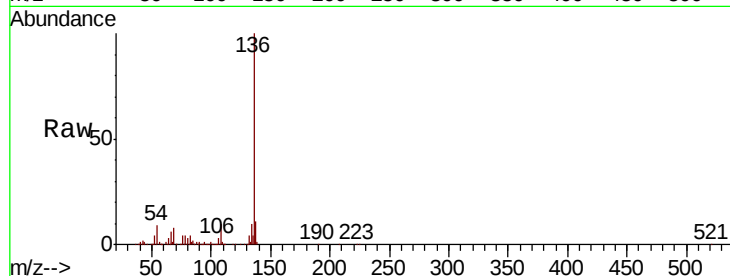
Ion Ratio Lower Upper

136 100

137 11.3 9.2 13.8

54 8.7 6.2 9.4

68 7.6 5.8 8.8

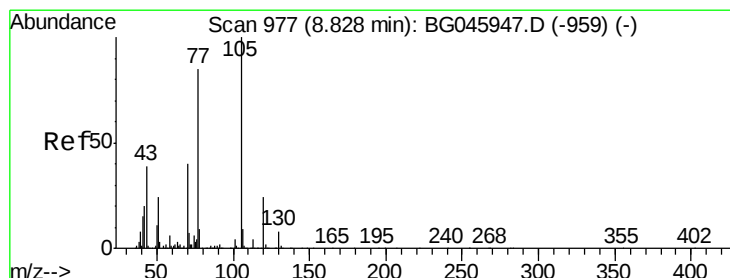
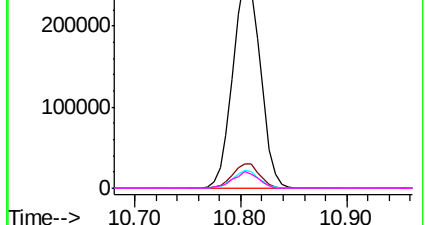


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 5.462 ng

RT: 8.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:105 Resp: 68046

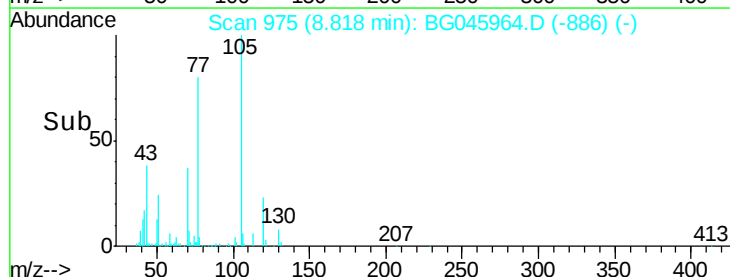
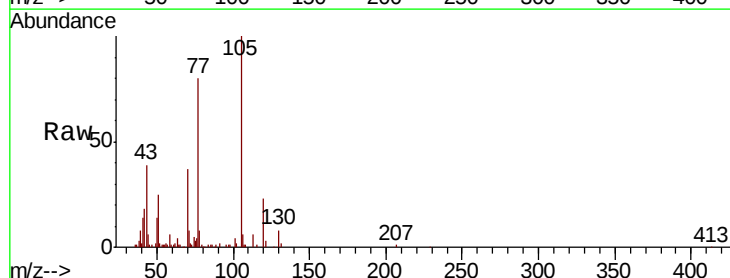
Ion Ratio Lower Upper

105 100

71 7.6 6.2 9.2

51 24.5 19.7 29.5

120 23.0 19.2 28.8

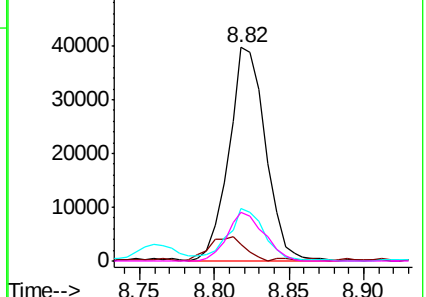


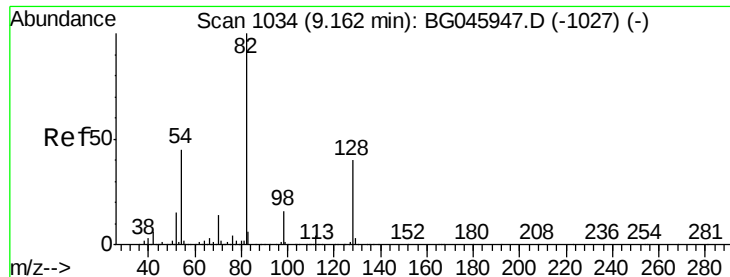
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

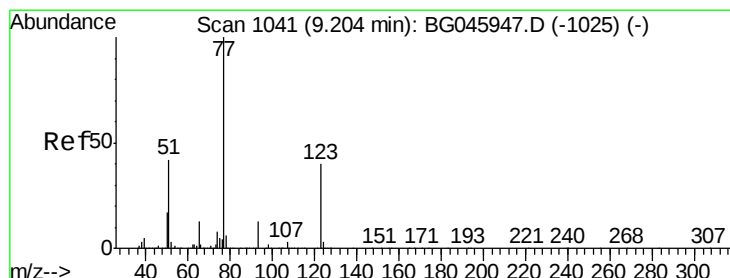
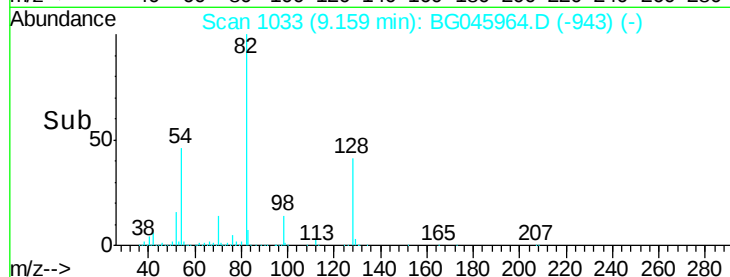
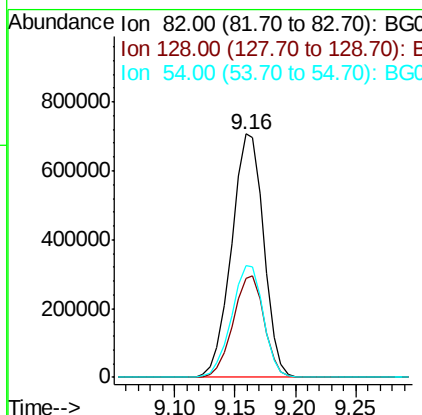
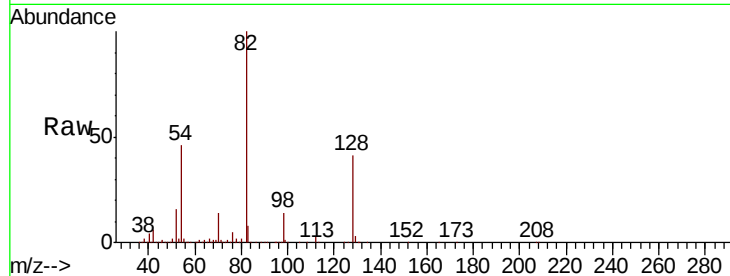




#23
 Nitrobenzene-d5
 Concen: 161.506 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

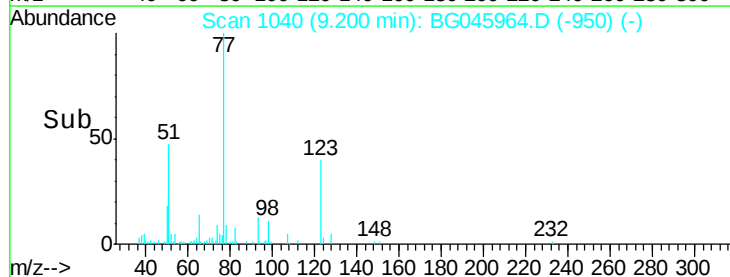
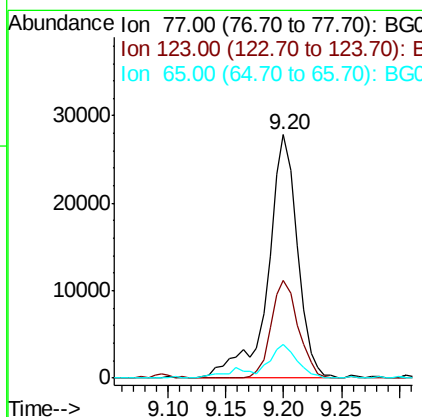
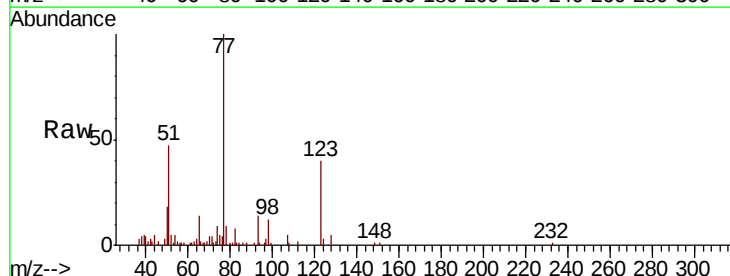
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

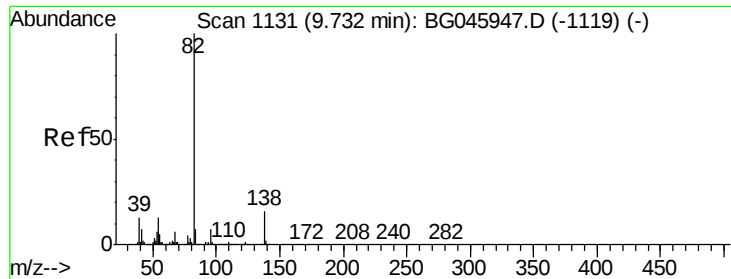
Tot Ion: 82 Resp: 1308435
 Ion Ratio Lower Upper
 82 100
 128 40.9 32.2 48.4
 54 45.9 35.8 53.6



#24
 Nitrobenzene
 Concen: 5.548 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion: 77 Resp: 49607
 Ion Ratio Lower Upper
 77 100
 123 40.1 32.7 49.1
 65 13.6 10.2 15.4

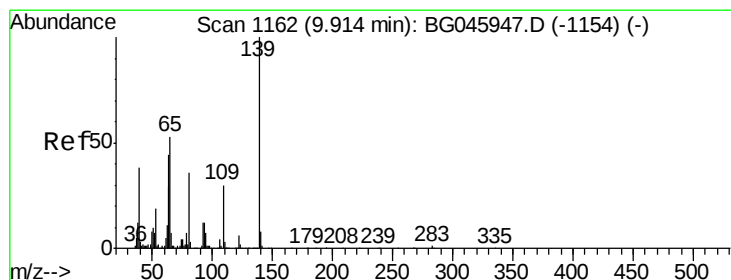
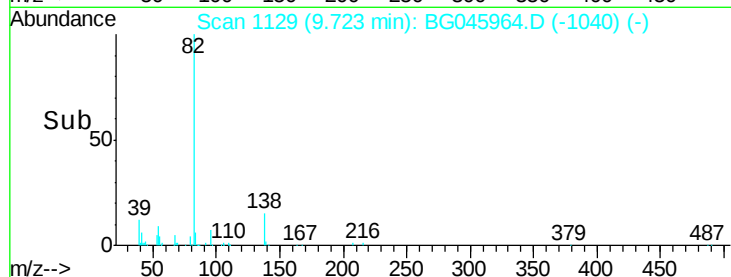
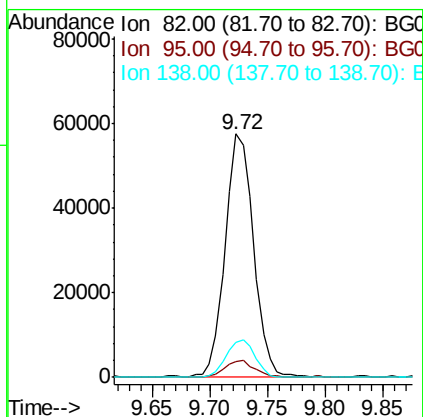
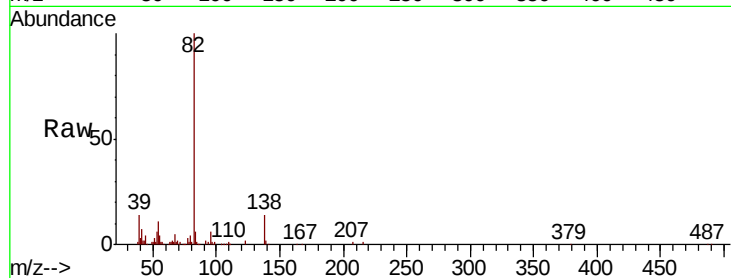




#25
Isophorone
Concen: 4.995 ng
RT: 9.72 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

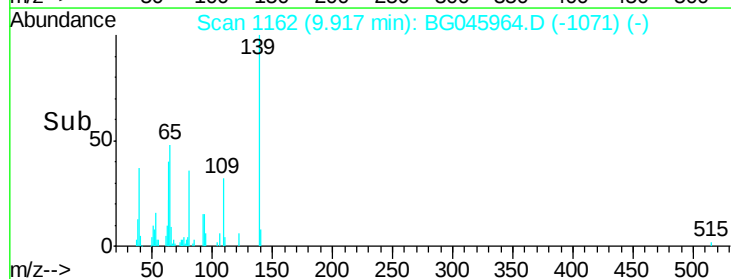
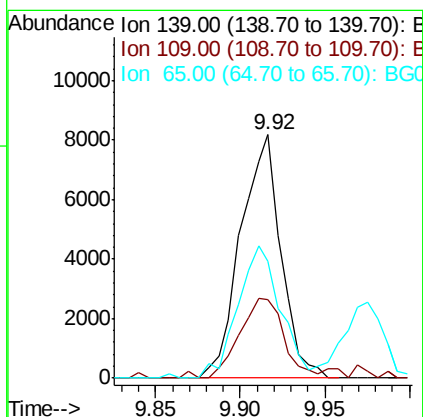
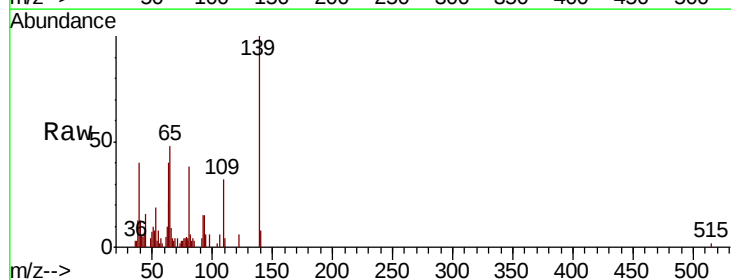
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

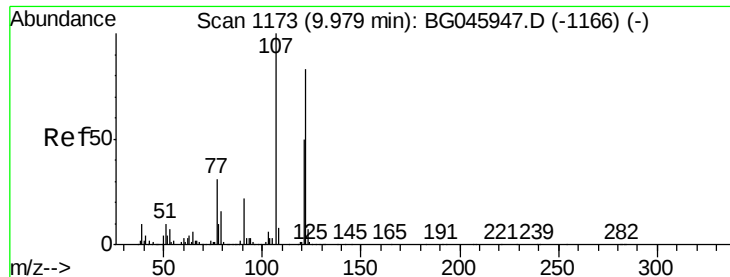
Tot Ion: 82 Resp: 98785
Ion Ratio Lower Upper
82 100
95 6.4 5.8 8.6
138 14.5 12.9 19.3



#26
2-Nitrophenol
Concen: 4.652 ng
RT: 9.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion: 139 Resp: 13559
Ion Ratio Lower Upper
139 100
109 32.4 24.6 37.0
65 47.9 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 5.240 ng

RT: 9.98 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

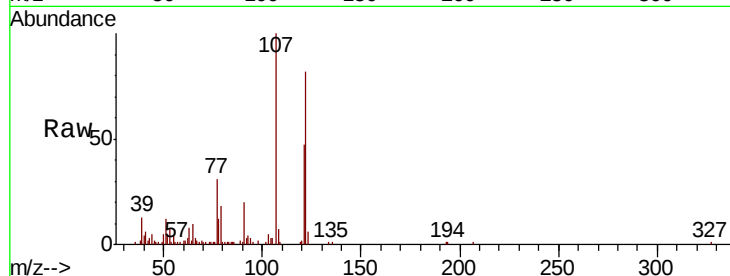
Tot Ion:122 Resp: 36891

Ion Ratio Lower Upper

122 100

107 121.3 95.6 143.4

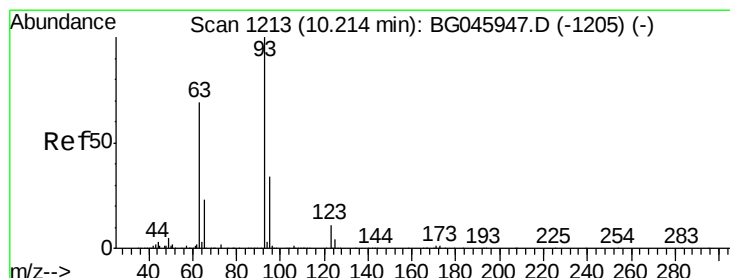
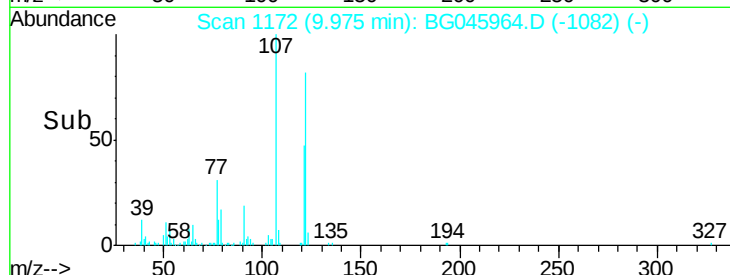
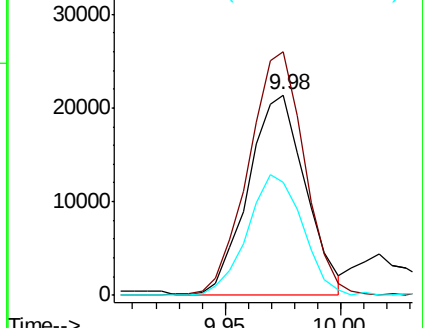
121 56.5 47.7 71.5



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: 5.015 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

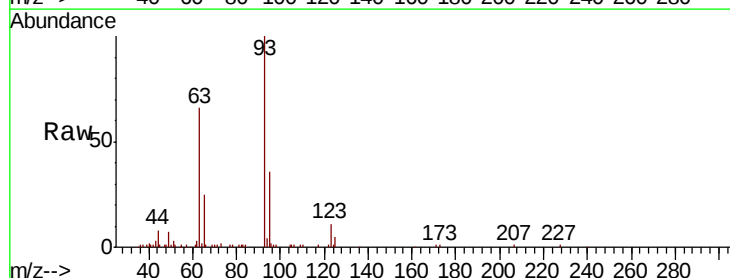
Tgt Ion: 93 Resp: 55698

Ion Ratio Lower Upper

93 100

95 35.8 27.5 41.3

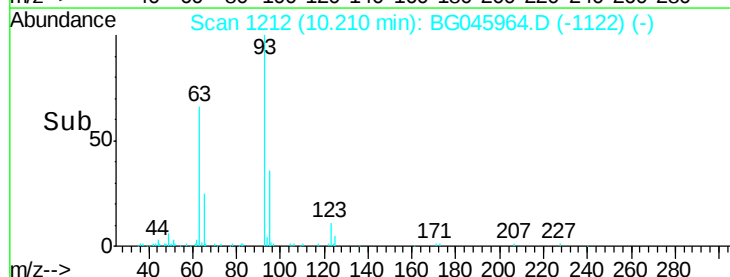
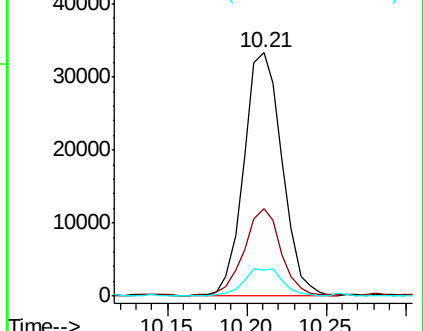
123 10.8 9.2 13.8

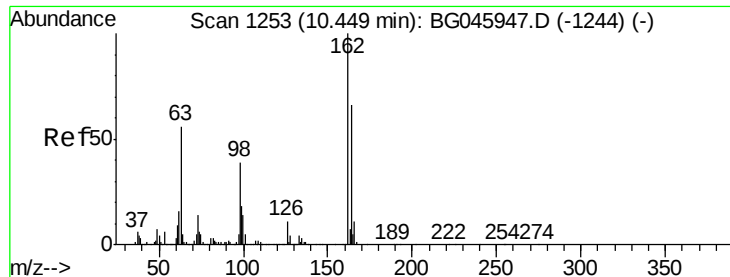


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

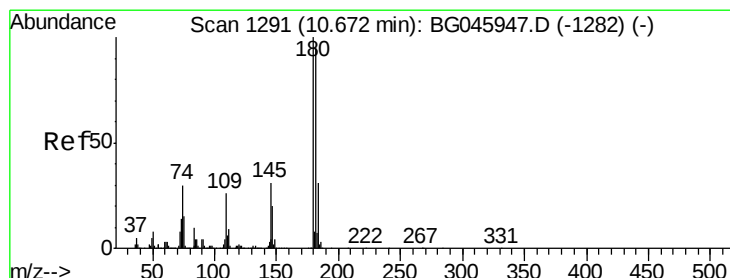
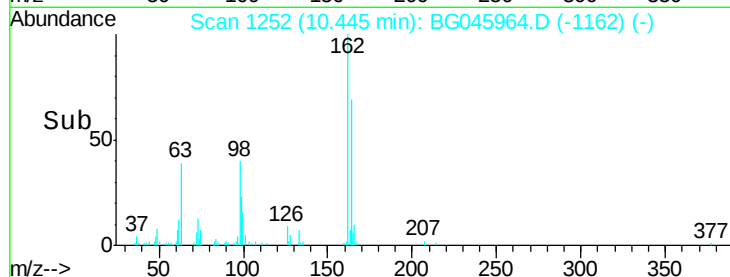
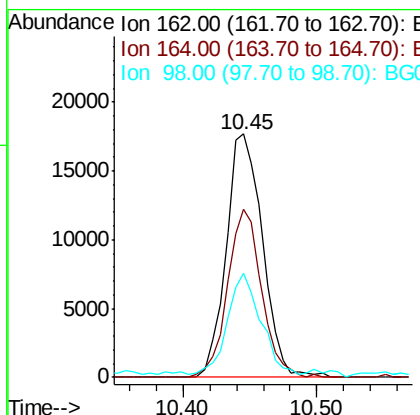
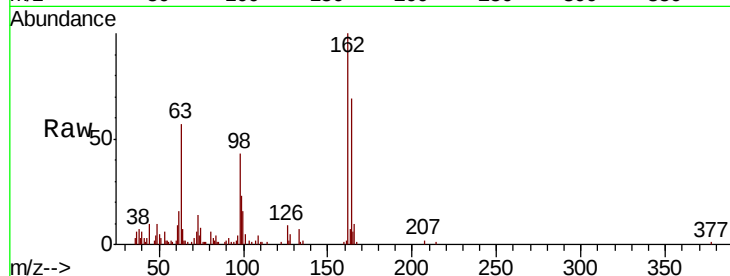




#29
 2,4-Dichlorophenol
 Concen: 4.597 ng
 RT: 10.45 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

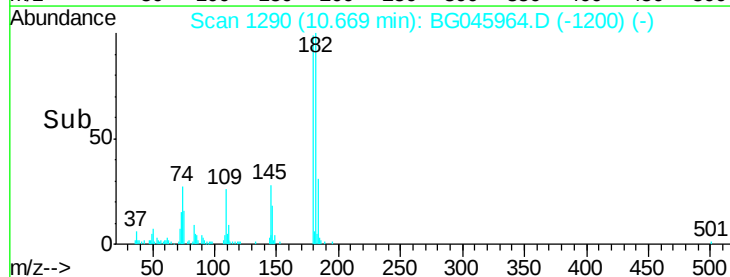
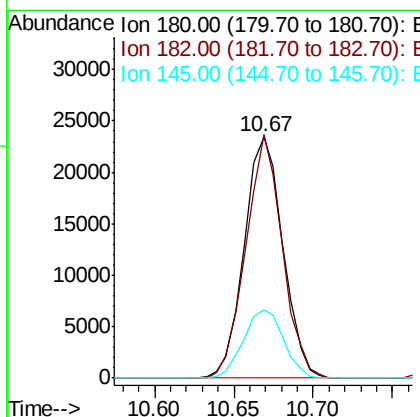
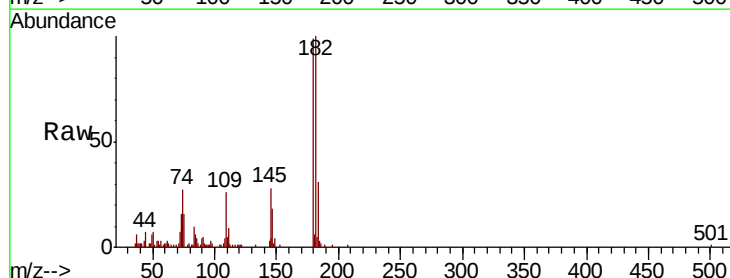
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

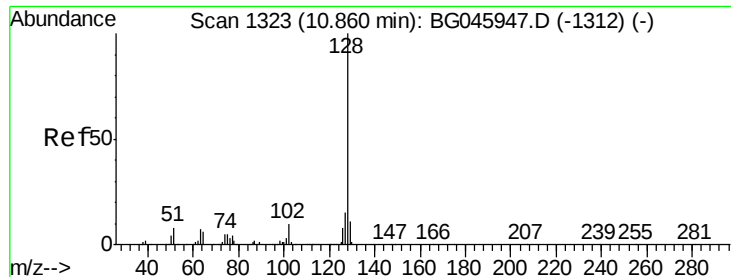
Tot Ion	Ratio	Lower	Upper
162	100		
164	69.1	46.0	86.0
98	42.6	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 4.911 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.3	114.5
145	28.1	24.8	37.2

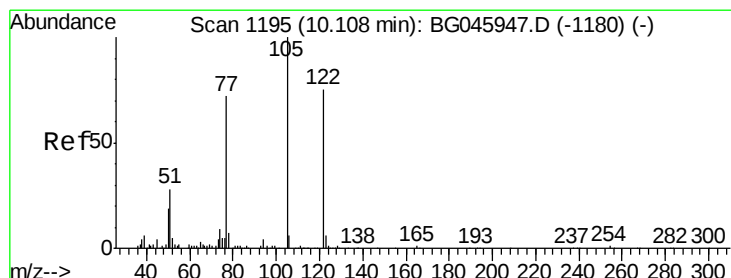
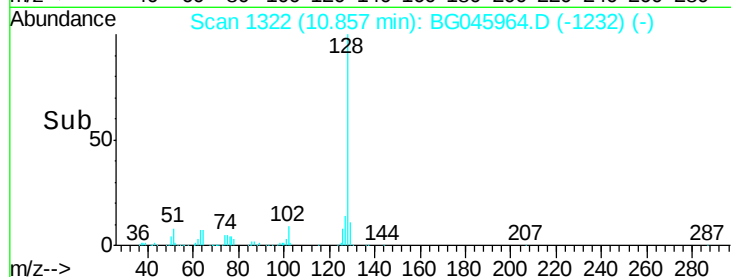
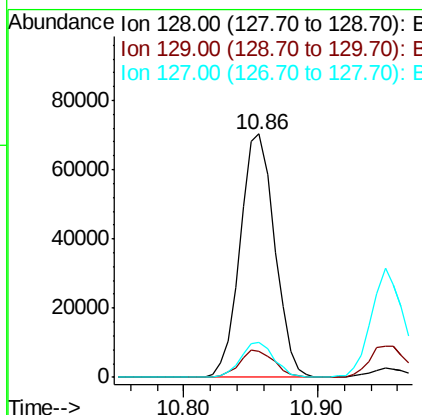
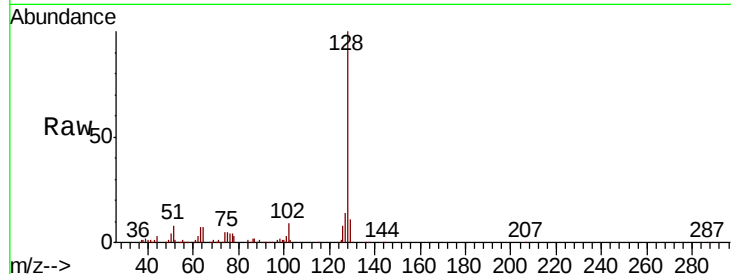




#31
Naphthalene
Concen: 5.010 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

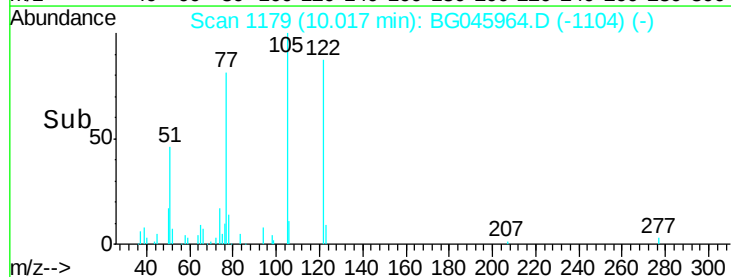
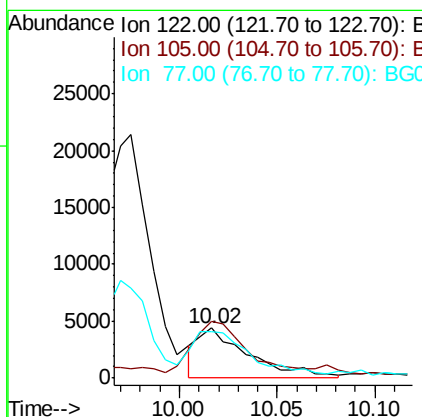
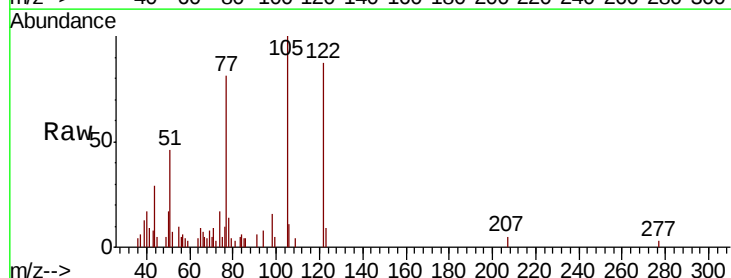
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

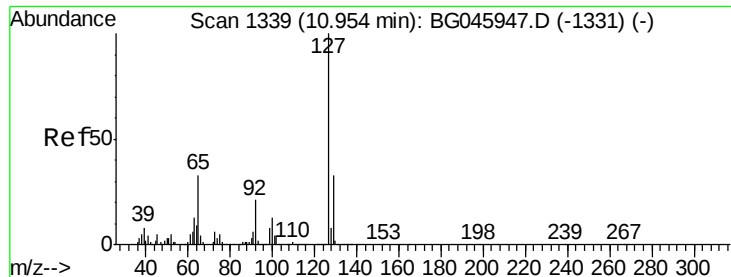
Tot Ion:128 Resp: 125230
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 14.3 11.8 17.6



#32
Benzoic acid
Concen: 2.075 ng
RT: 10.02 min Scan# 1179
Delta R.T. -0.09 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:122 Resp: 7911
Ion Ratio Lower Upper
122 100
105 114.3 110.8 150.8
77 92.4 76.4 116.4

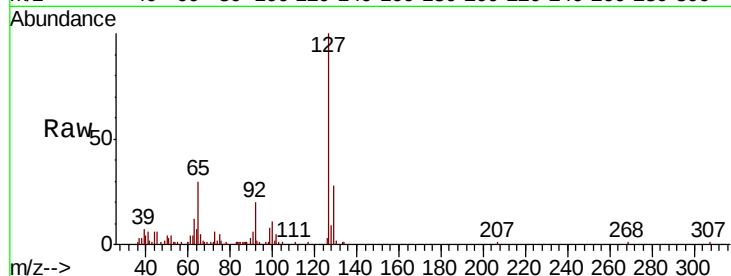




#33
4-Chloroaniline
Concen: 4.703 ng
RT: 10.95 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:127	Resp:	52531	
Ion Ratio	Lower	Upper	
127 100			
129 28.5	26.6	39.8	
65 29.6	26.8	40.2	
92 19.7	17.0	25.4	



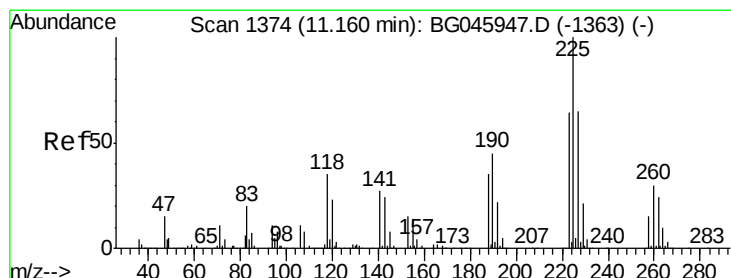
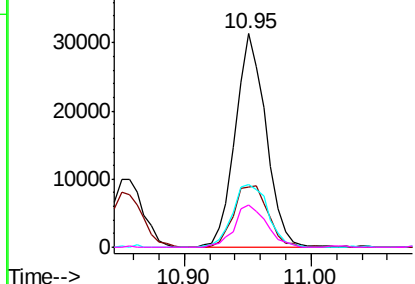
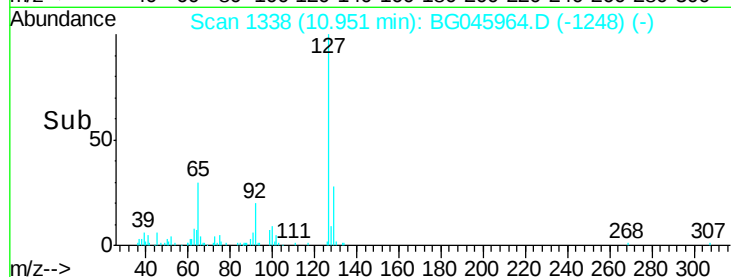
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

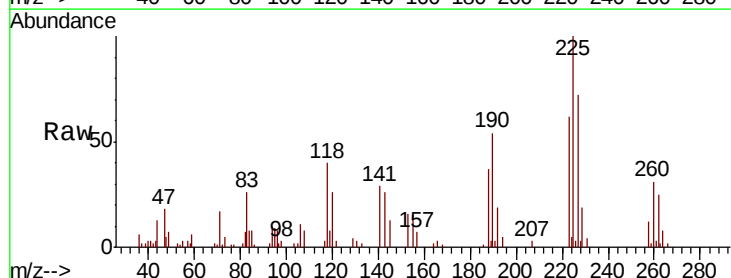
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 4.638 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	225	Resp: Lower	21866 Upper
	Ratio		
225	100		
223	60.0	51.2	76.8
227	69.5	52.3	78.5

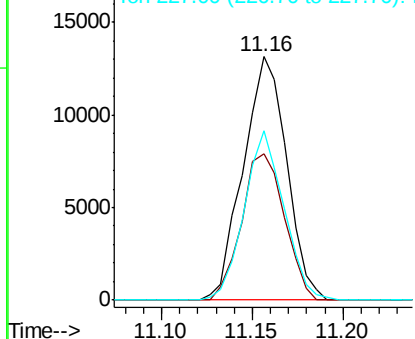
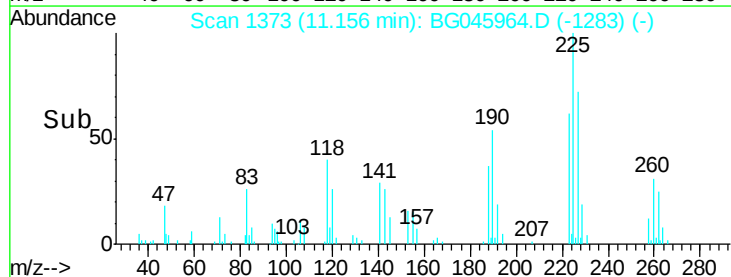


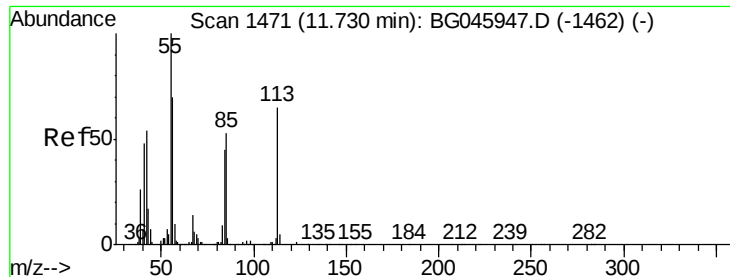
Abundance

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

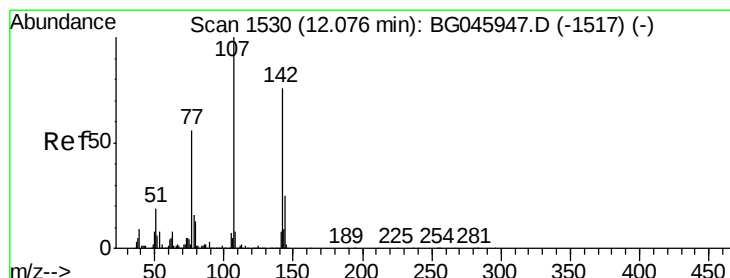
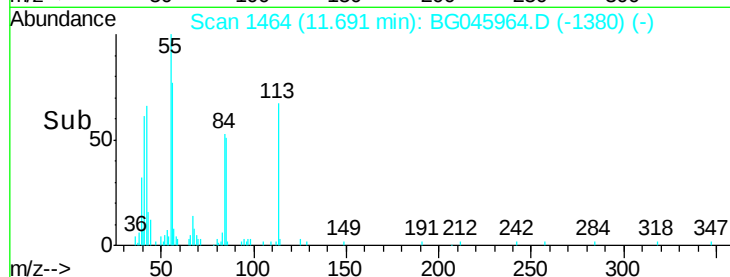
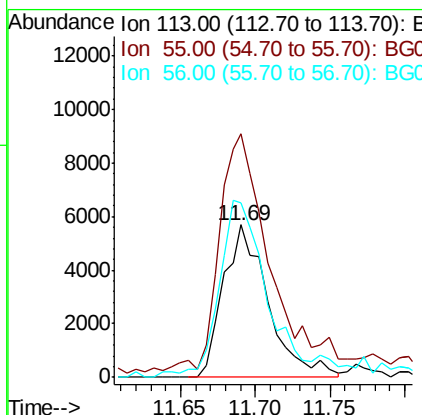
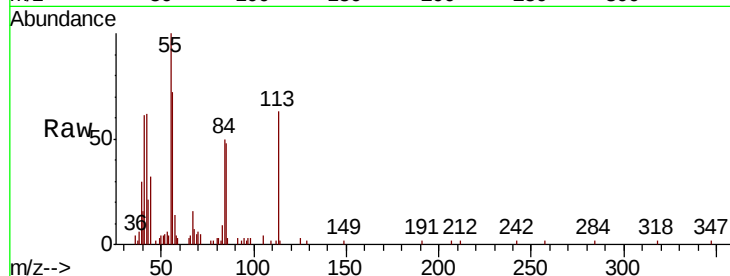




#35
Caprolactam
Concen: 4.303 ng
RT: 11.69 min Scan# 1464
Delta R.T. -0.04 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

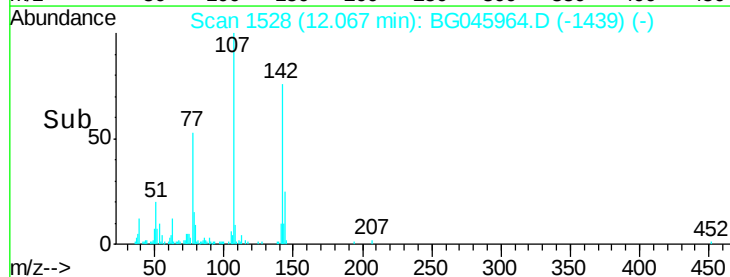
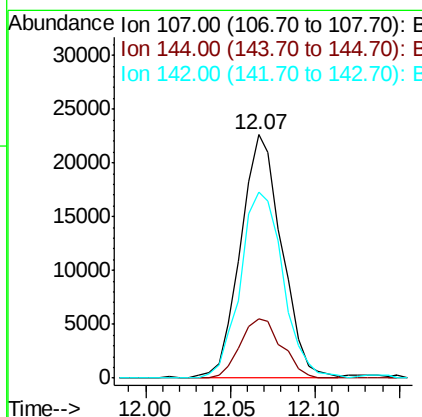
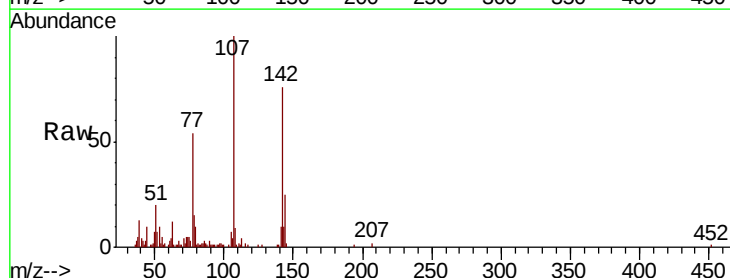
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

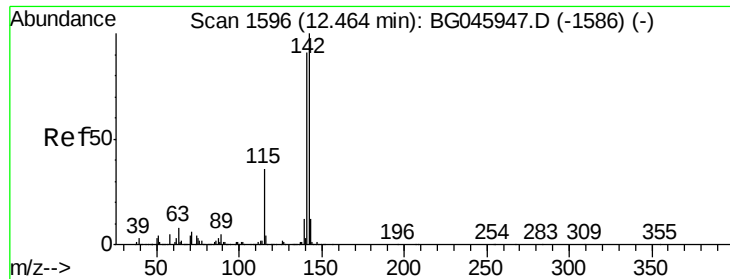
Tot Ion:113 Resp: 11906
Ion Ratio Lower Upper
113 100
55 159.9 141.6 181.6
56 114.9 89.6 129.6



#36
4-Chloro-3-methylphenol
Concen: 4.612 ng
RT: 12.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:107 Resp: 38278
Ion Ratio Lower Upper
107 100
144 24.6 20.0 30.0
142 76.5 61.1 91.7

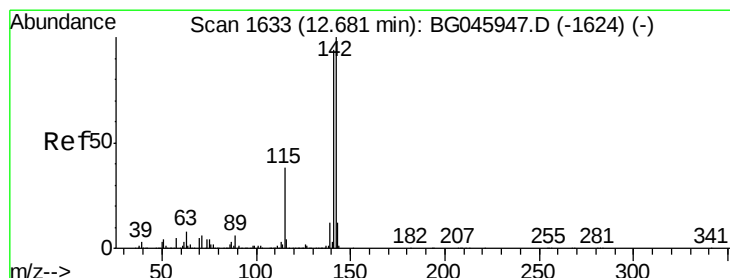
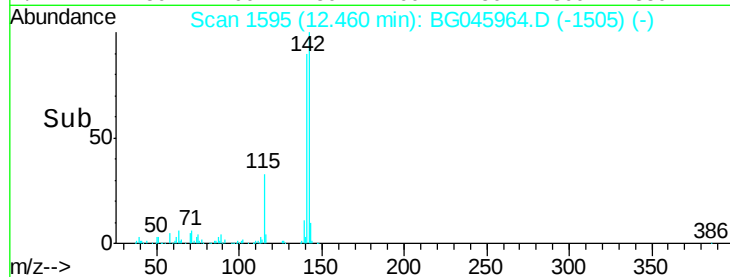
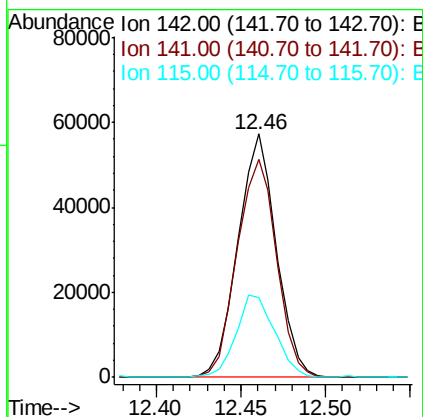
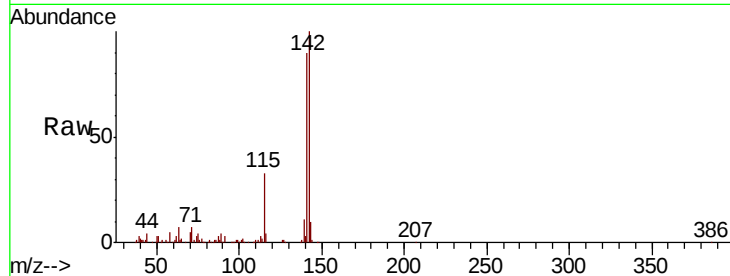




#37
2-Methylnaphthalene
Concen: 5.084 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

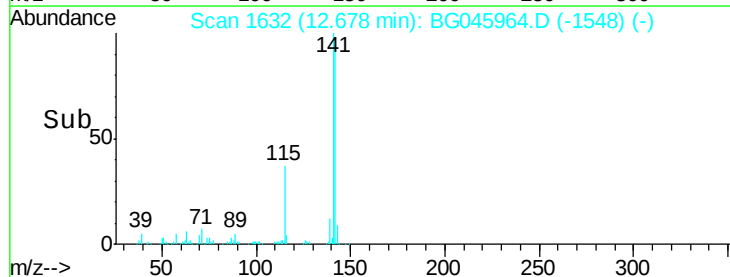
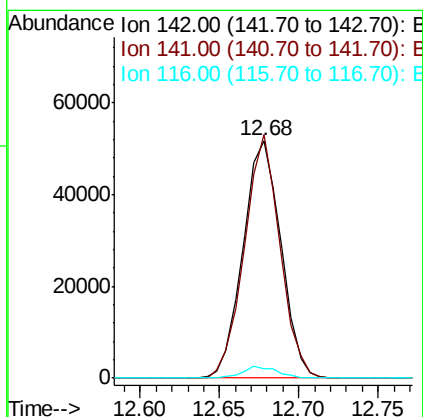
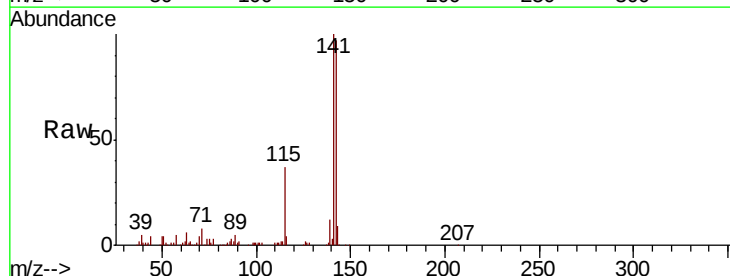
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

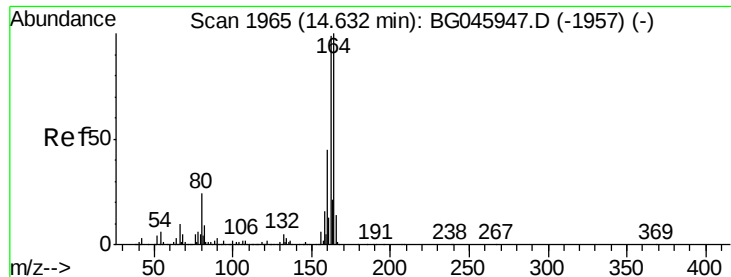
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	73.0	109.6
115	32.7	28.8	43.2



#38
1-Methylnaphthalene
Concen: 5.124 ng
RT: 12.68 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.6	75.2	112.8
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

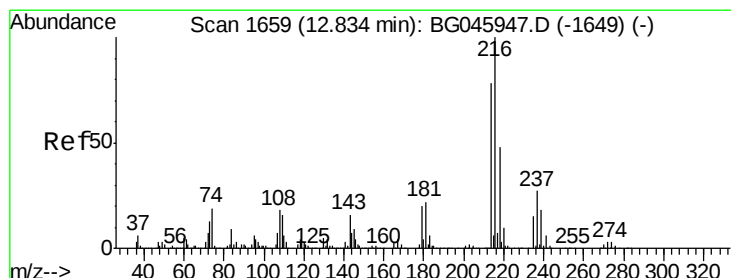
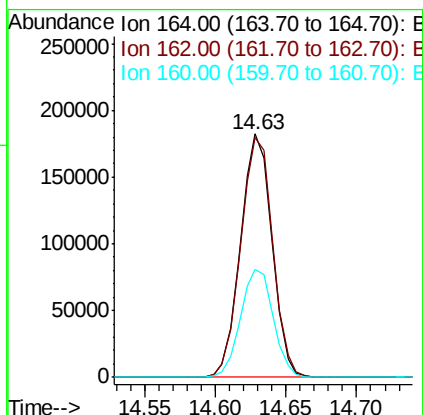
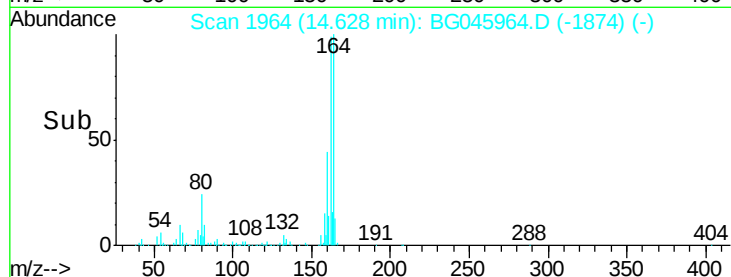
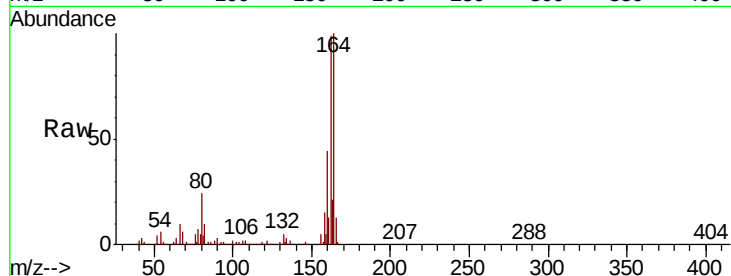
Tot Ion:164 Resp: 284055

Ion Ratio Lower Upper

164 100

162 98.7 79.3 118.9

160 44.2 35.7 53.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 5.317 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:216 Resp: 42572

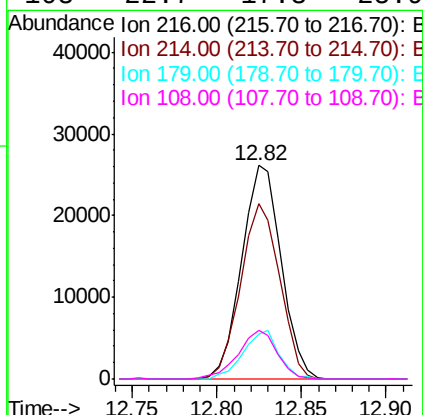
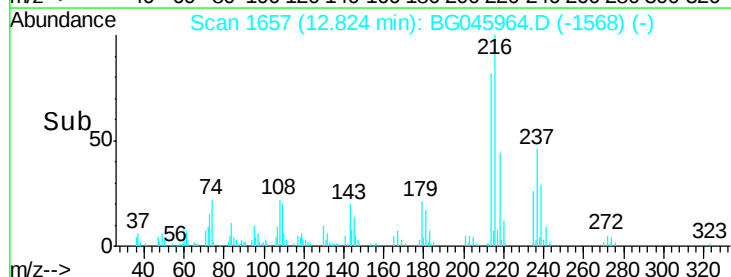
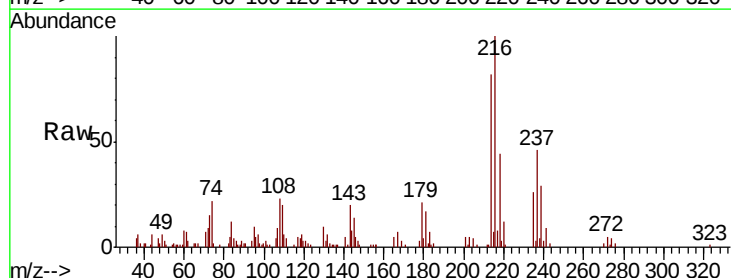
Ion Ratio Lower Upper

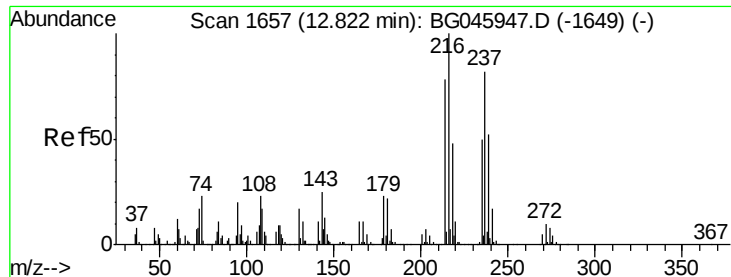
216 100

214 81.1 63.0 94.4

179 20.7 17.0 25.6

108 22.7 17.3 25.9





#41

Hexachlorocyclopentadiene

Concen: 4.932 ng

RT: 12.81 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

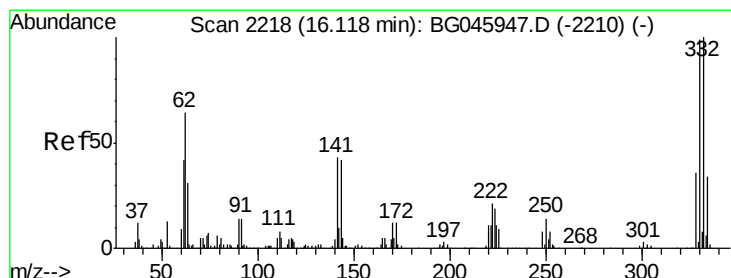
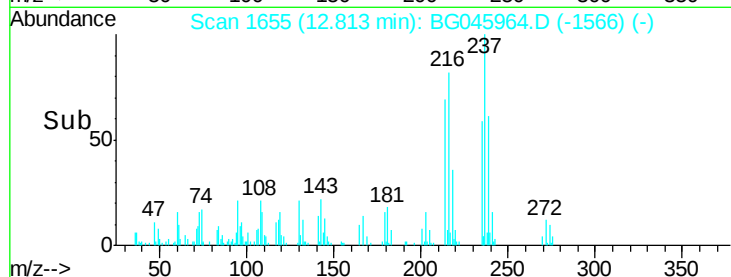
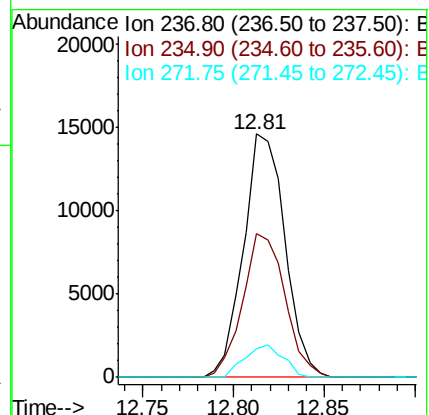
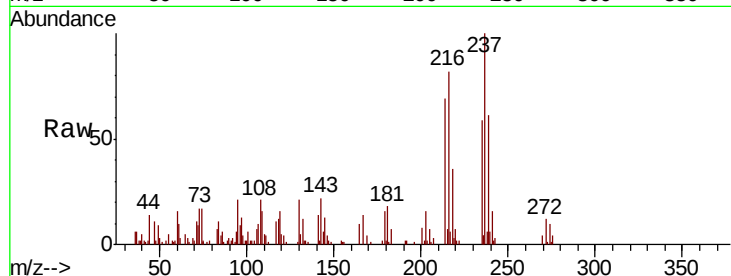
Tot Ion:237 Resp: 23432

Ion Ratio Lower Upper

237 100

235 59.2 41.5 81.5

272 11.5 0.0 31.7



#42

2,4,6-Tribromophenol

Concen: 174.420 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

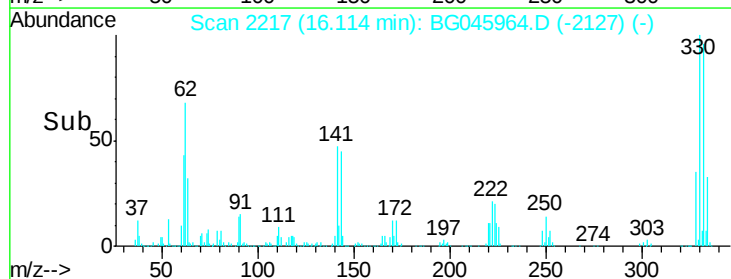
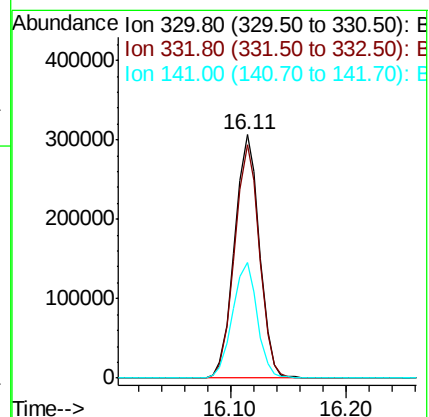
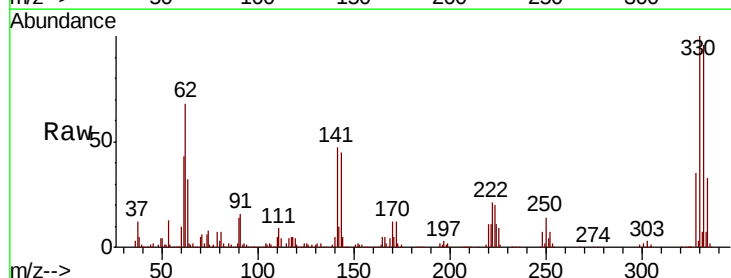
Tgt Ion:330 Resp: 459828

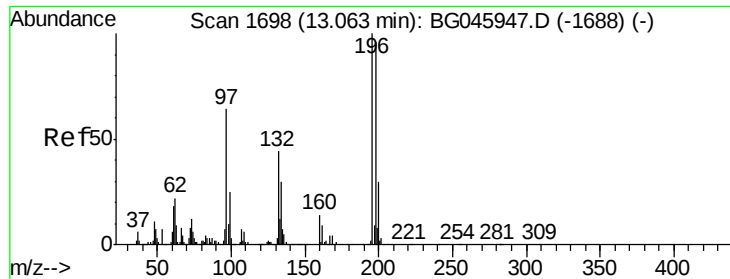
Ion Ratio Lower Upper

330 100

332 95.5 78.3 117.5

141 47.0 36.6 54.8

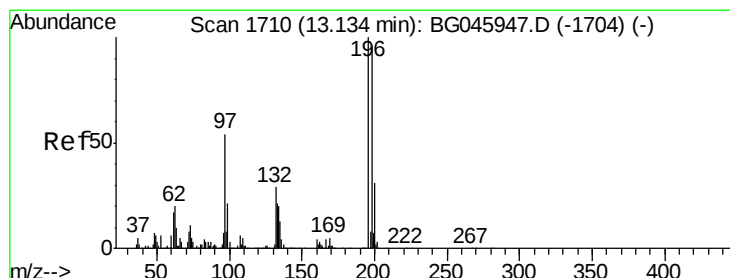
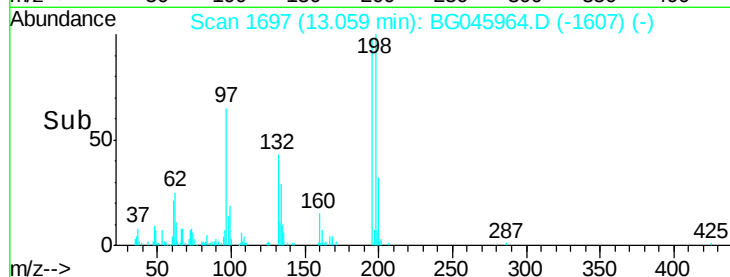
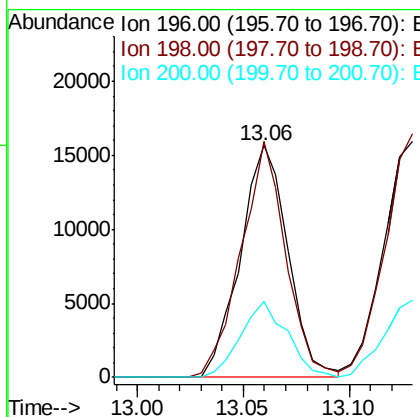
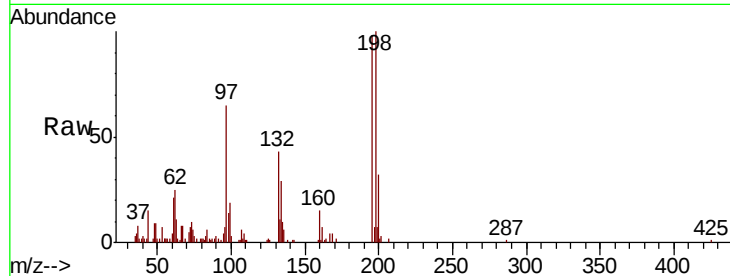




#43
 2,4,6-Trichlorophenol
 Concen: 4.526 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

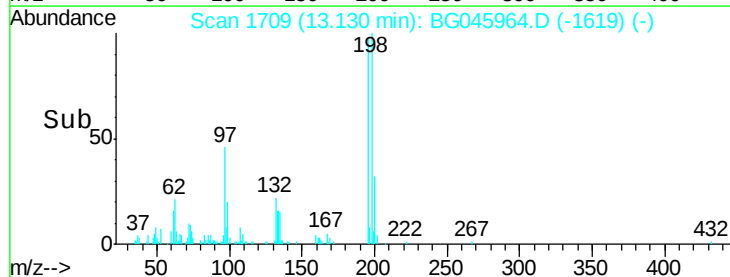
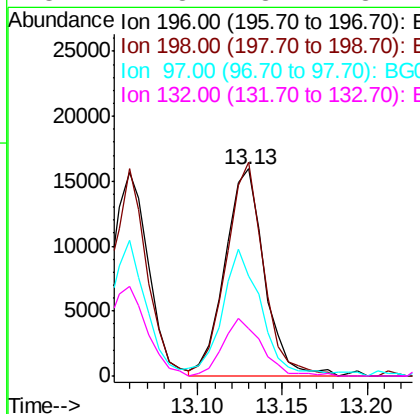
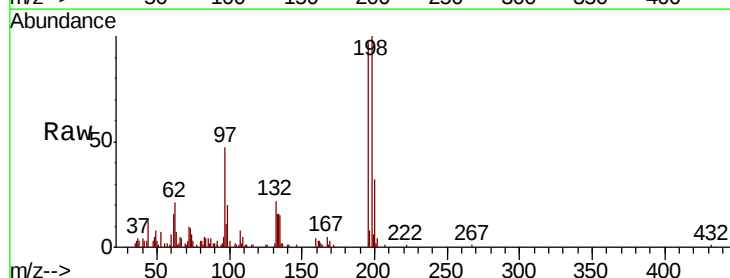
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

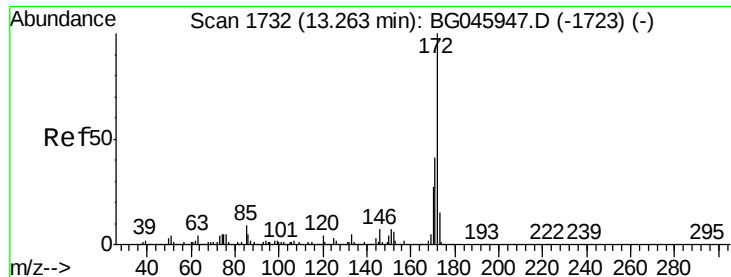
Tot Ion:196 Resp: 24509
 Ion Ratio Lower Upper
 196 100
 198 101.8 76.7 115.1
 200 32.7 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 4.229 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion:196 Resp: 25896
 Ion Ratio Lower Upper
 196 100
 198 103.1 77.0 115.6
 97 48.2 44.3 66.5
 132 22.8 23.1 34.7#

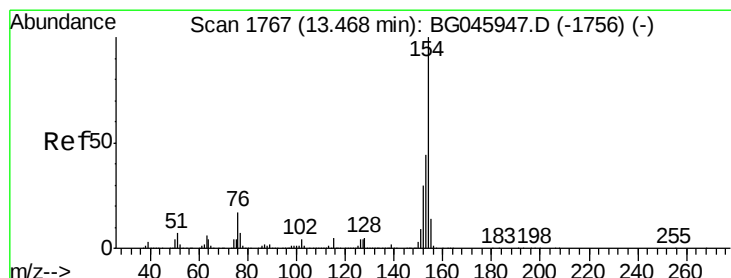
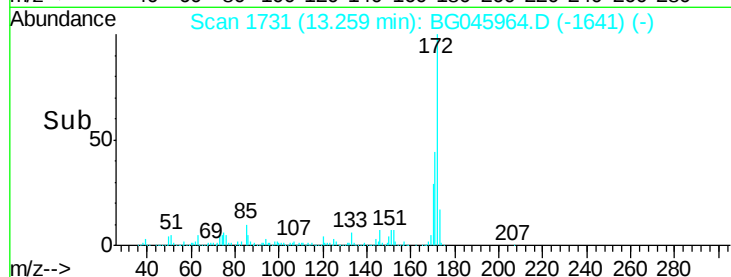
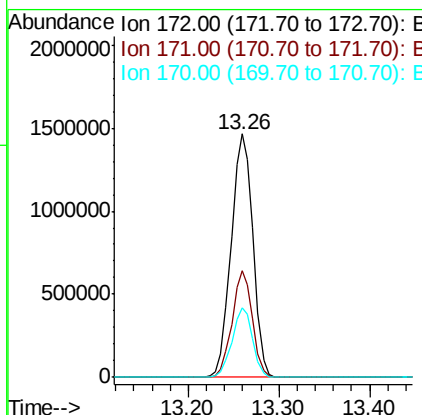
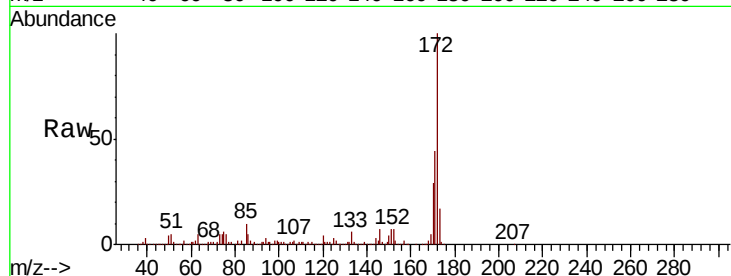




#45
2-Fluorobiphenyl
Concen: 134.278 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

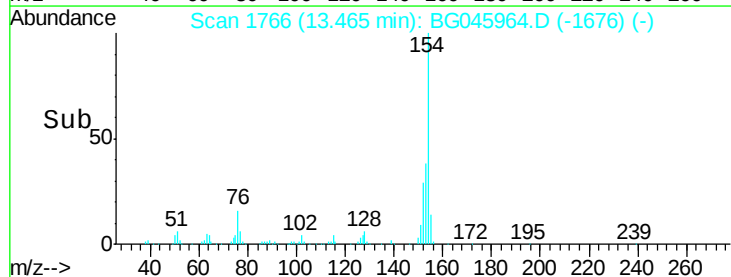
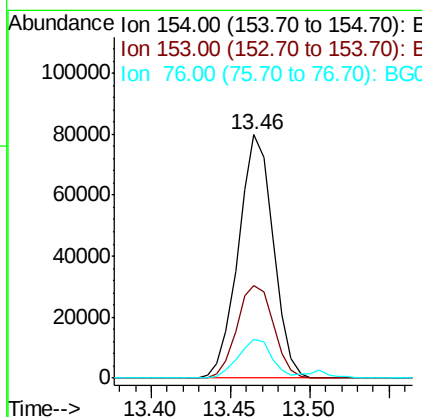
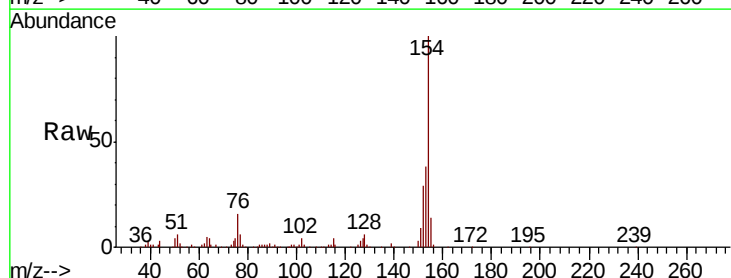
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

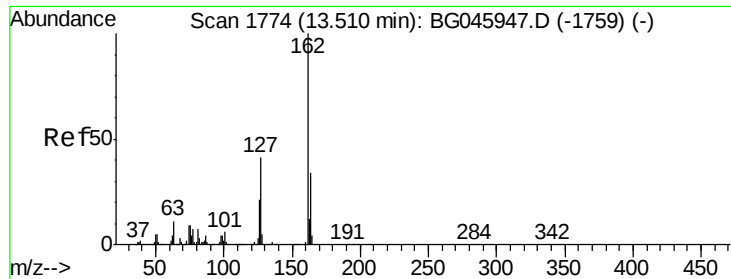
Tot Ion:172 Resp: 2445288
Ion Ratio Lower Upper
172 100
171 43.7 32.9 49.3
170 28.7 21.8 32.6



#46
1,1'-Biphenyl
Concen: 5.689 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:154 Resp: 121567
Ion Ratio Lower Upper
154 100
153 38.2 23.6 63.6
76 15.9 0.0 36.9

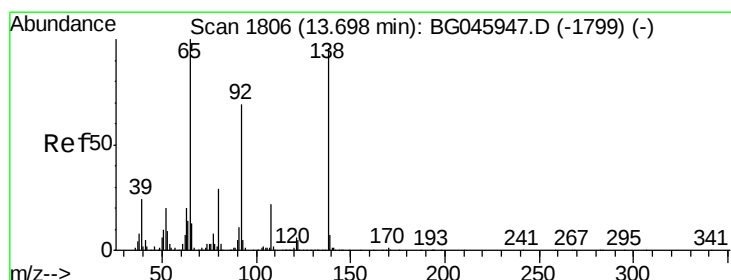
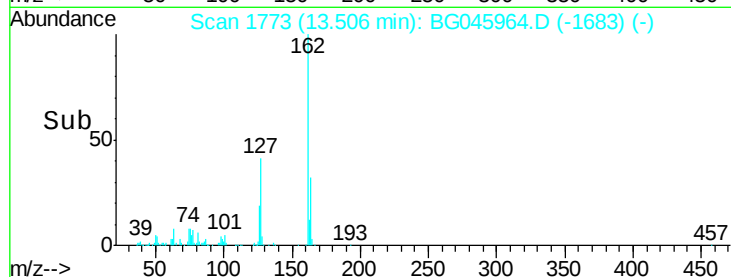
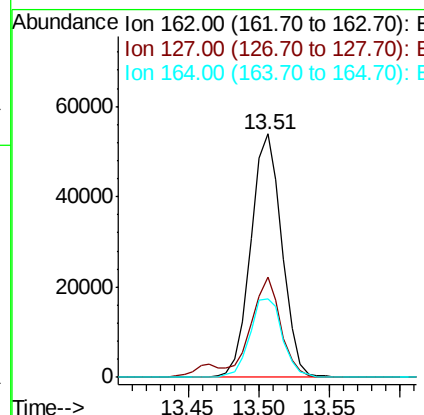
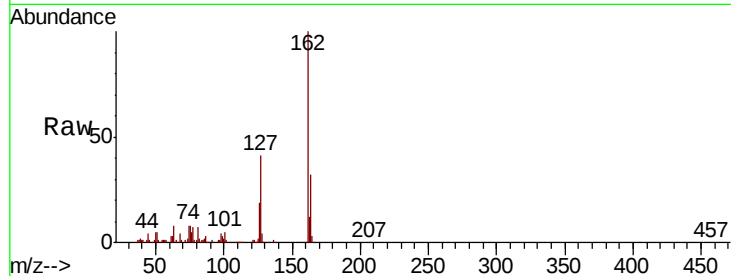




#47
2-Chloronaphthalene
Concen: 4.945 ng
RT: 13.51 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

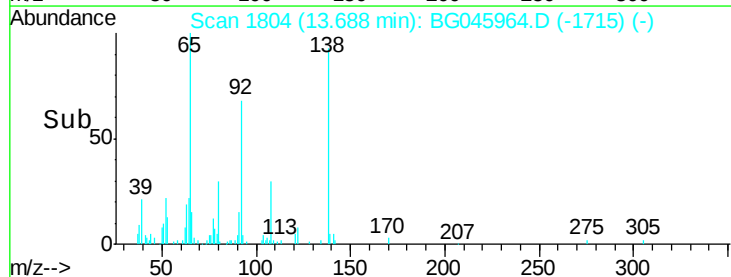
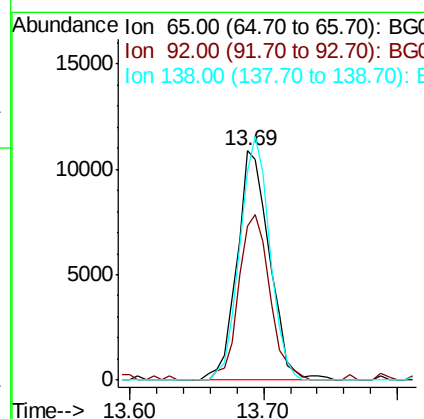
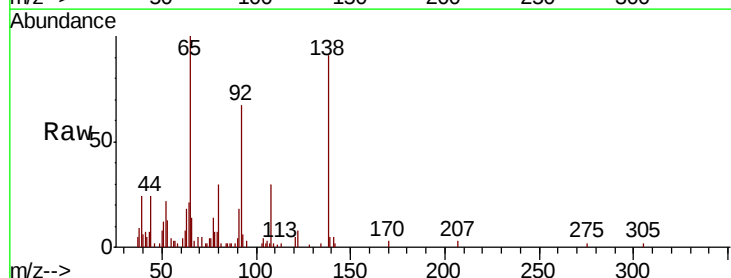
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

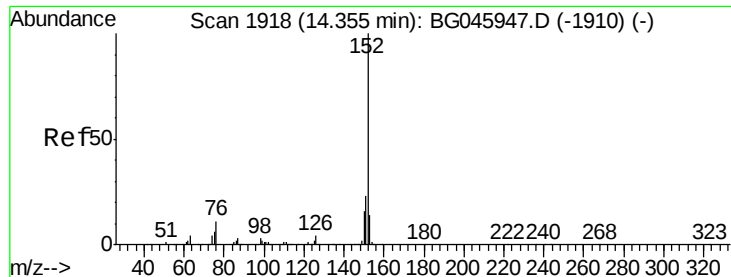
Tot Ion:162 Resp: 83366
Ion Ratio Lower Upper
162 100
127 41.0 32.5 48.7
164 32.4 27.2 40.8



#48
2-Nitroaniline
Concen: 4.648 ng
RT: 13.69 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion: 65 Resp: 18341
Ion Ratio Lower Upper
65 100
92 67.3 55.4 83.0
138 91.3 77.0 115.4





#49

Acenaphthylene

Concen: 5.246 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

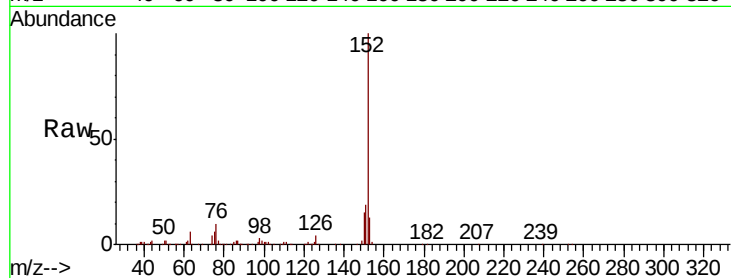
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:152 Resp: 142711

Ion	Ratio	Lower	Upper
152	100		
151	18.9	18.1	27.1
153	13.5	11.5	17.3

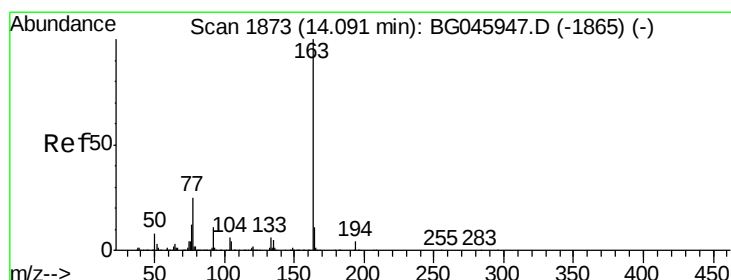
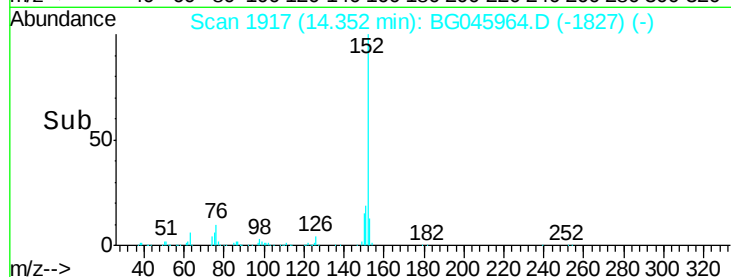
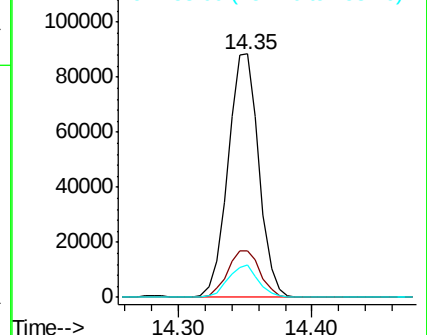


Abundance

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: 4.740 ng

RT: 14.08 min Scan# 1871

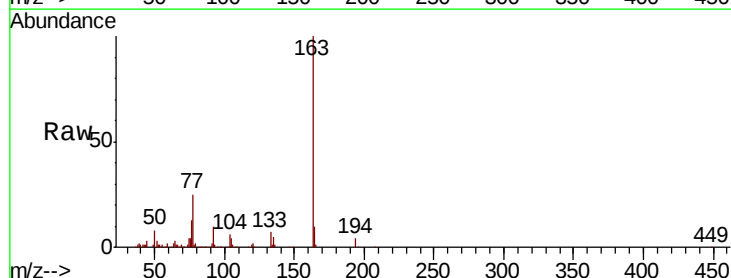
Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Tgt Ion:163 Resp: 101052

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	10.4	8.9	13.3

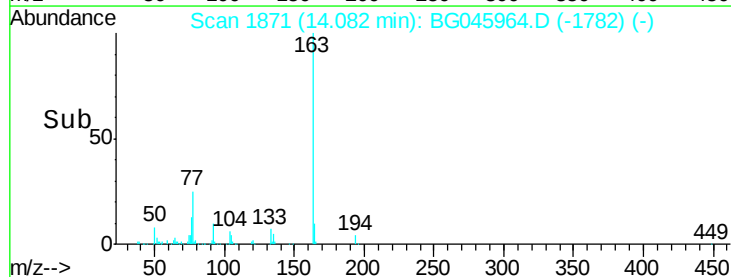
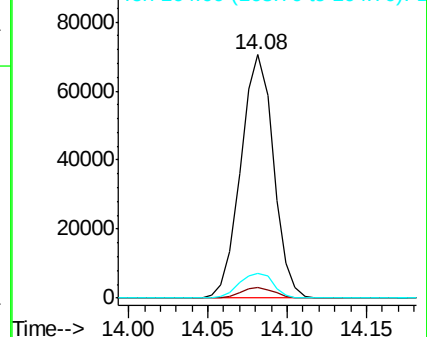


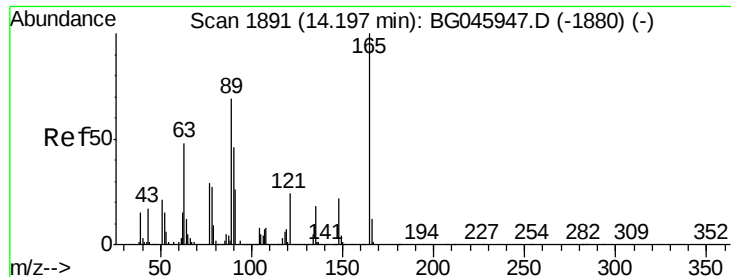
Abundance

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

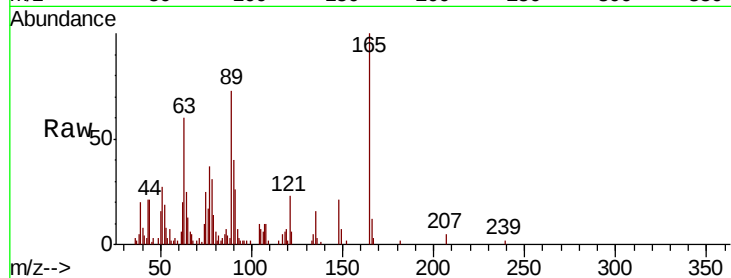




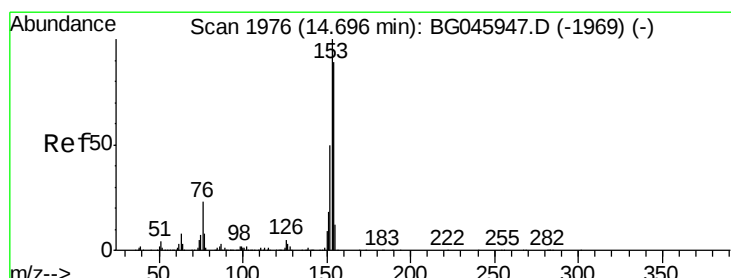
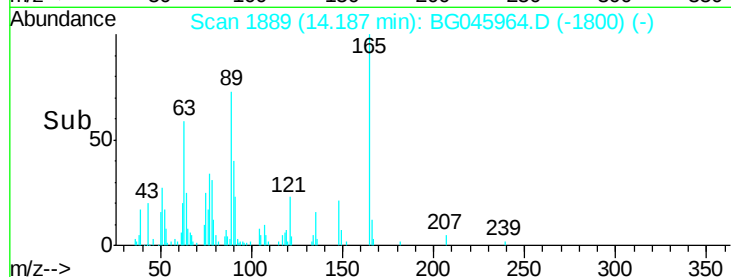
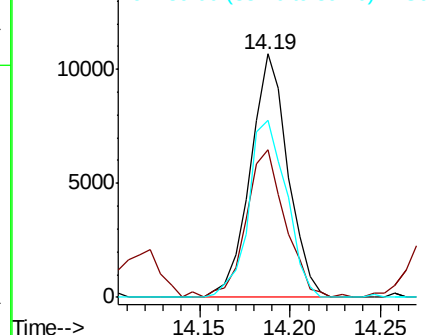
#51
2,6-Dinitrotoluene
Concen: 4.654 ng
RT: 14.19 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 15394
Ion Ratio Lower Upper
165 100
63 60.4 51.0 76.4
89 72.7 55.7 83.5

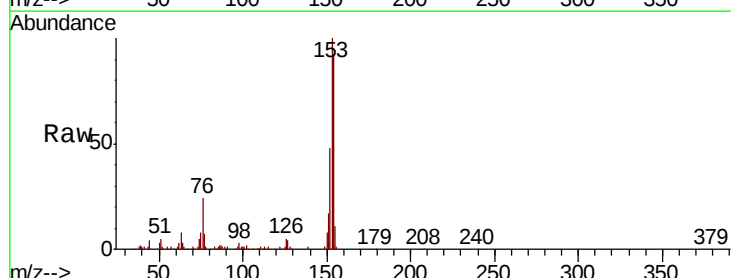


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

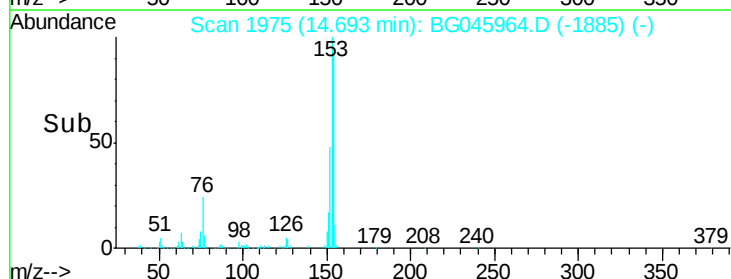
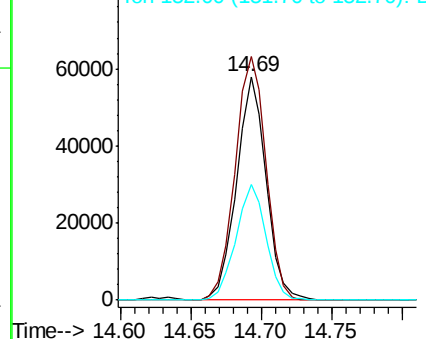


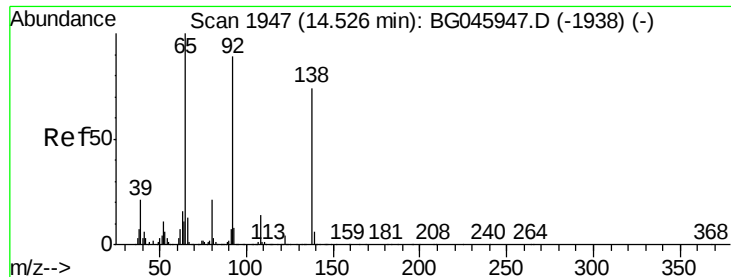
#52
Acenaphthene
Concen: 4.921 ng
RT: 14.69 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:154 Resp: 84436
Ion Ratio Lower Upper
154 100
153 109.1 89.7 134.5
152 51.9 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

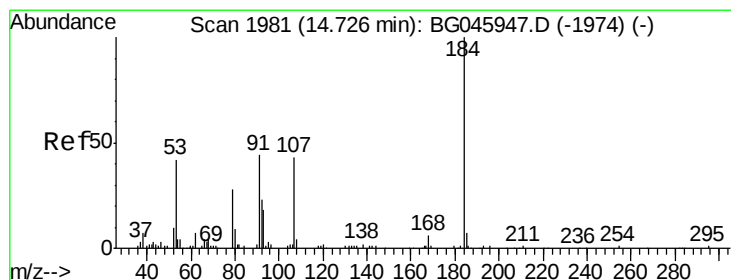
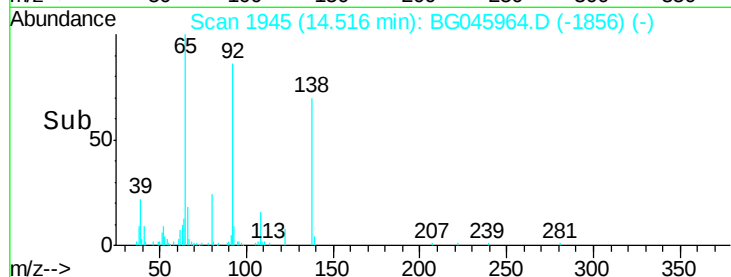
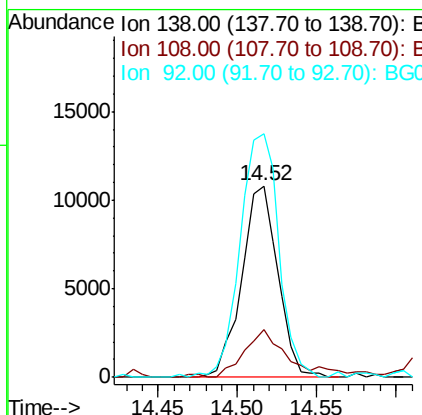
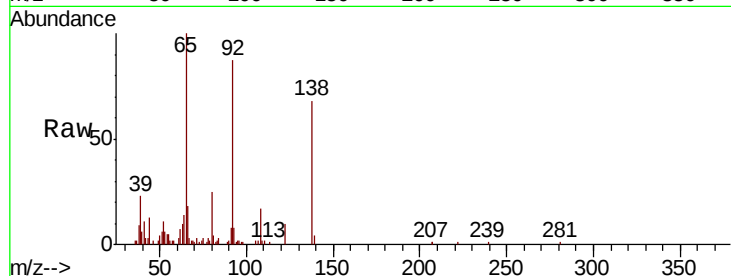




#53
3-Nitroaniline
Concen: 4.173 ng
RT: 14.52 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

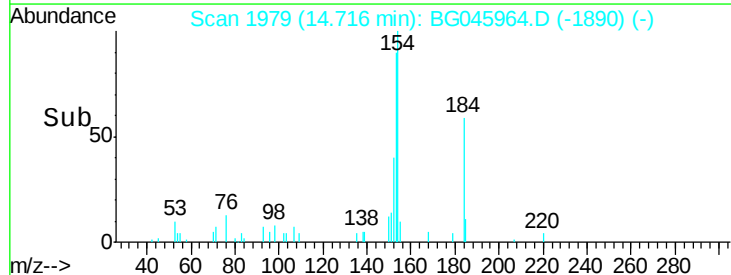
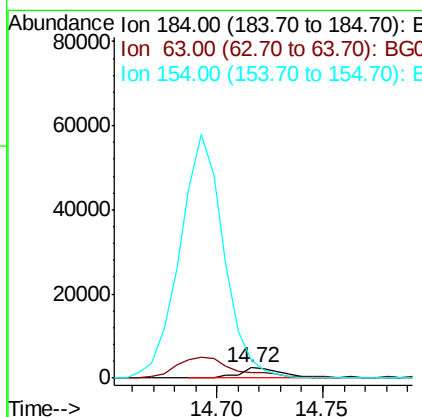
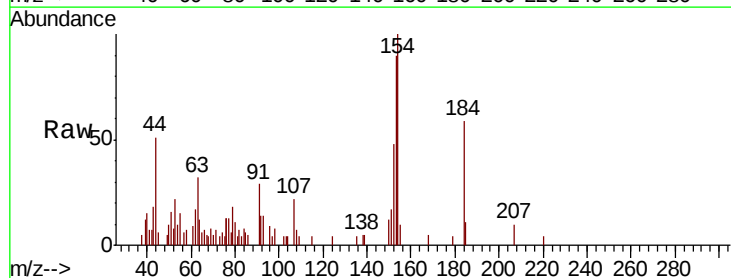
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

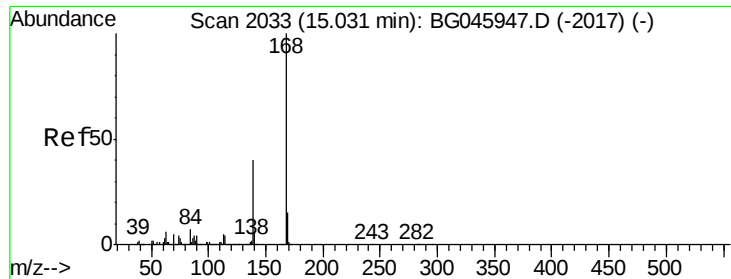
Tot Ion:138 Resp: 17106
Ion Ratio Lower Upper
138 100
108 25.2 15.4 23.2#
92 127.0 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 2.882 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:184 Resp: 3363
Ion Ratio Lower Upper
184 100
63 54.0 46.0 69.0
154 170.9 58.2 87.2#





#55

Dibenzofuran

Concen: 5.175 ng

RT: 15.03 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

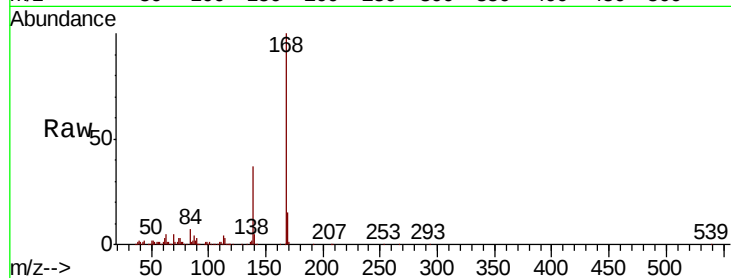
Tot Ion:168 Resp: 130166

Ion Ratio Lower Upper

168 100

139 36.9 32.2 48.2

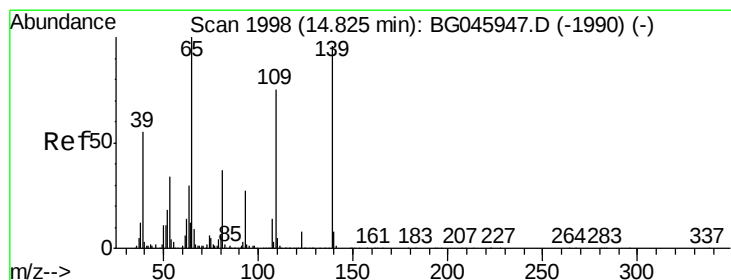
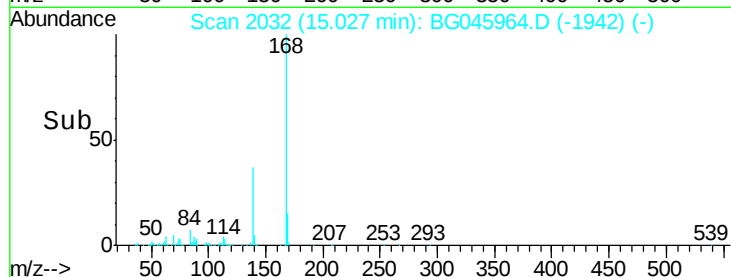
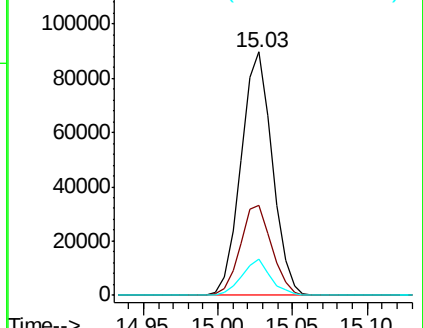
169 15.0 11.8 17.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.890 ng

RT: 14.82 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

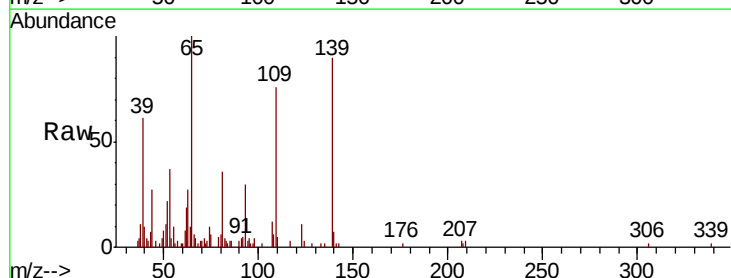
Tgt Ion:139 Resp: 13509

Ion Ratio Lower Upper

139 100

109 84.7 58.5 98.5

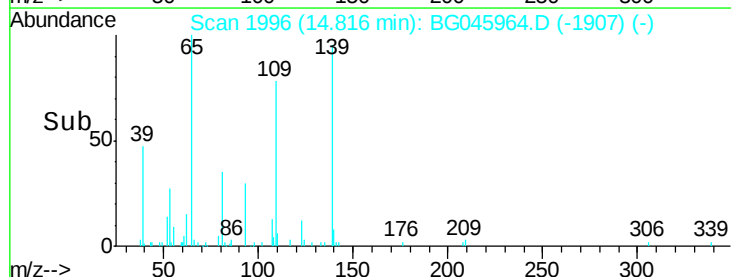
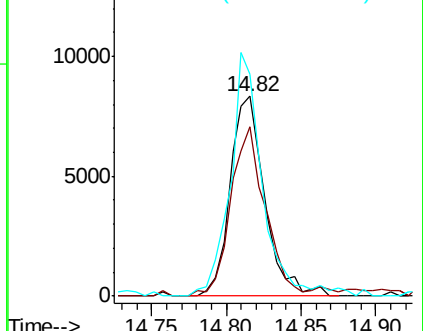
65 111.0 84.7 124.7

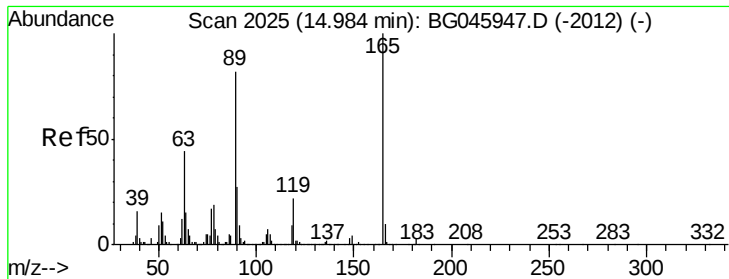


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

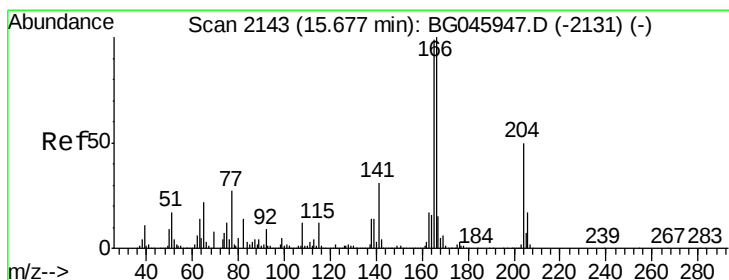
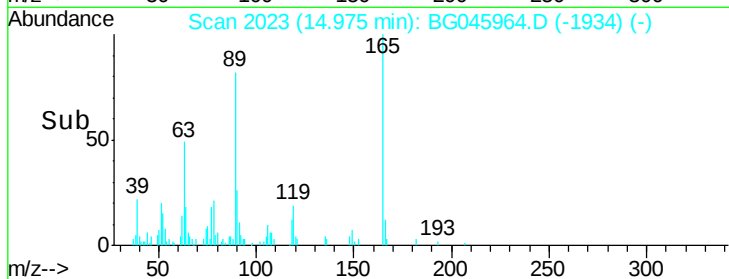
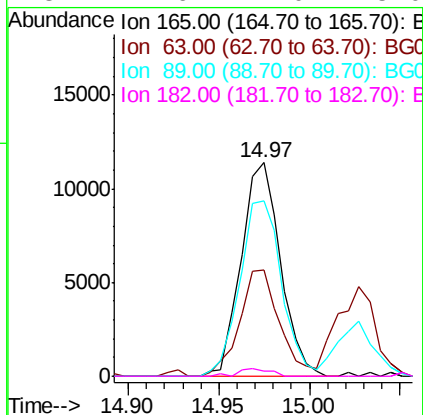
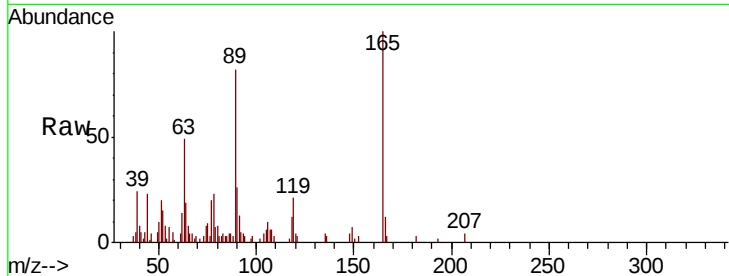




#57
 2,4-Dinitrotoluene
 Concen: 4.180 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

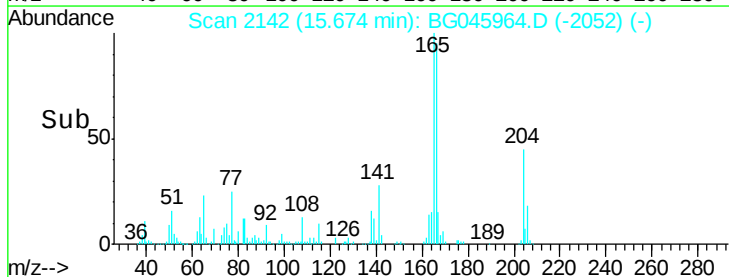
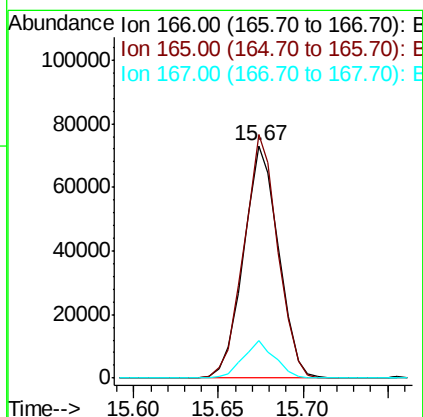
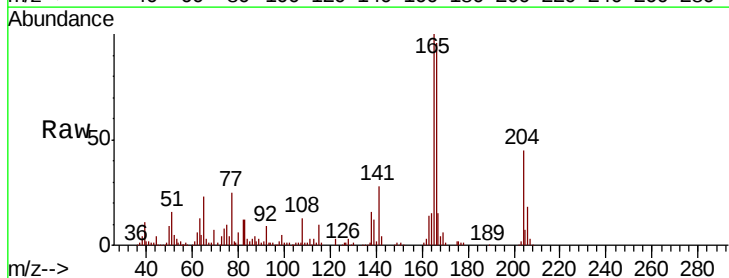
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

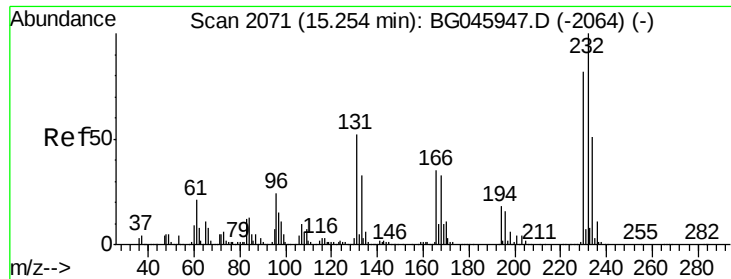
Tot Ion:165	Resp:	17084	
Ion Ratio	Lower	Upper	
165 100			
63 49.5	35.4	53.0	
89 81.9	65.4	98.2	
182 2.6	2.0	3.0	



#58
 Fluorene
 Concen: 5.094 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt	Ion:166	Resp:	105099
Ion	Ratio	Lower	Upper
166	100		
165	104.7	78.9	118.3
167	15.9	12.1	18.1

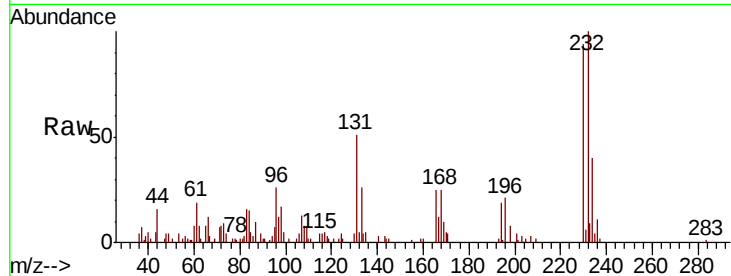




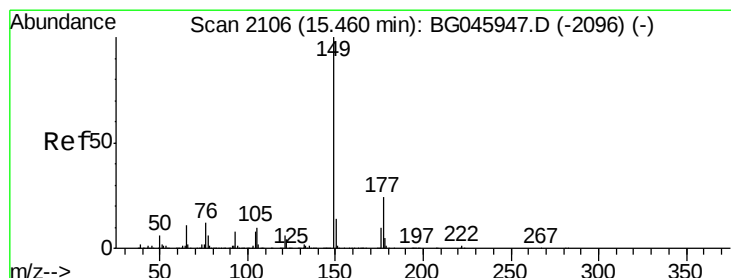
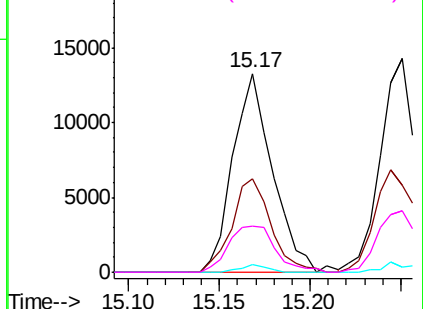
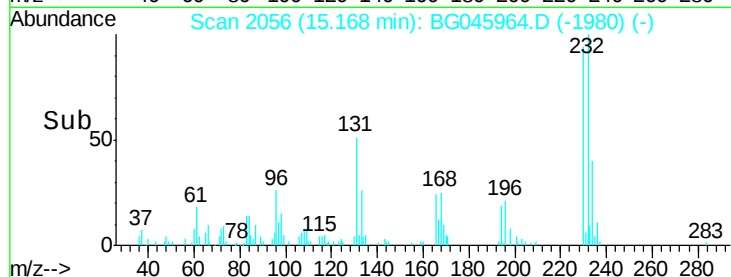
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.272 ng
 RT: 15.17 min Scan# 2056
 Delta R.T. -0.09 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:232	Resp:	20195
Ion	Ratio	Lower Upper
232	100	
131	46.4	35.8 53.6
130	2.6	2.5 3.7
166	27.6	21.8 32.8

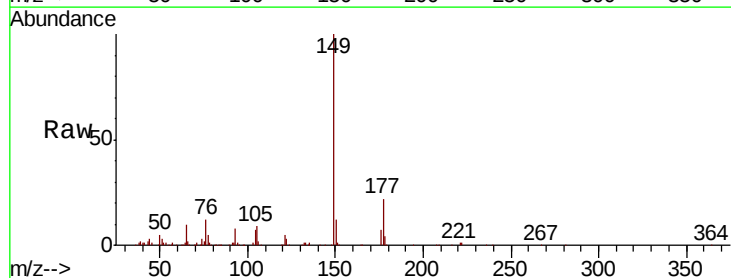


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

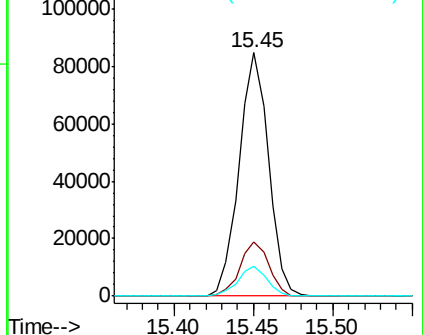
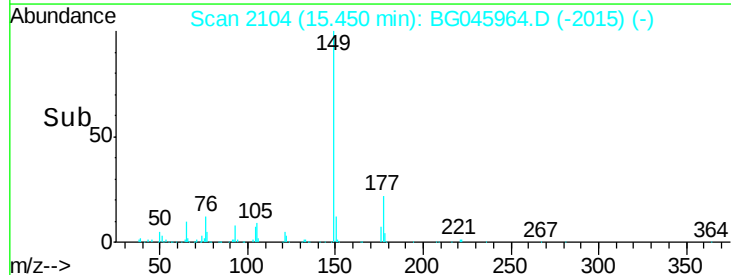


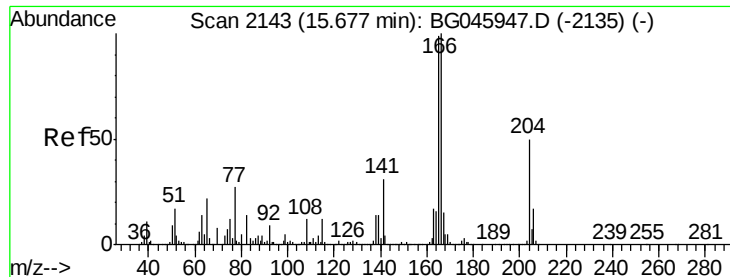
#60
 Diethylphthalate
 Concen: 4.867 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion:149	Resp:	108807
Ion	Ratio	Lower Upper
149	100	
177	22.1	19.0 28.4
150	12.3	11.0 16.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

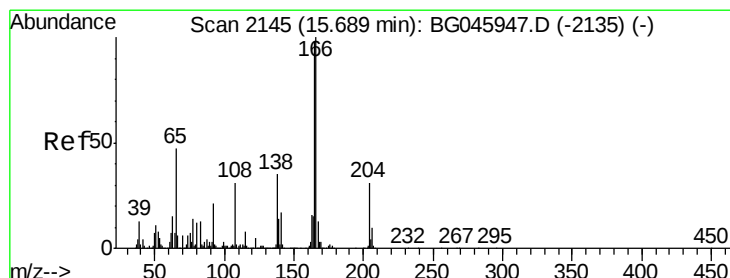
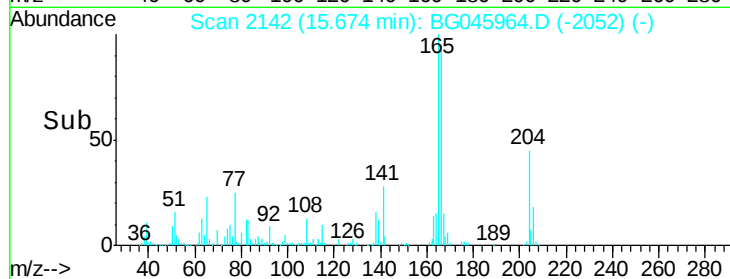
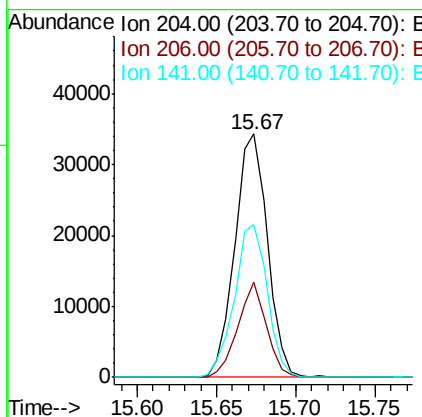
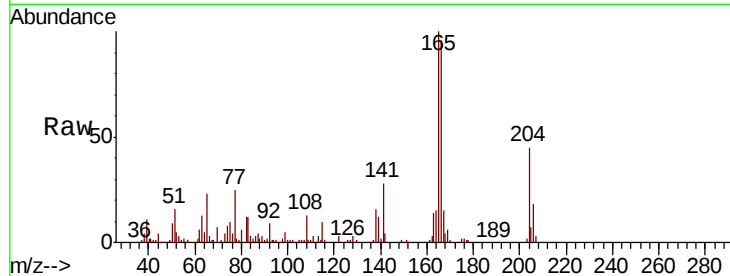




#61
4-Chlorophenyl-phenylether
Concen: 4.755 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

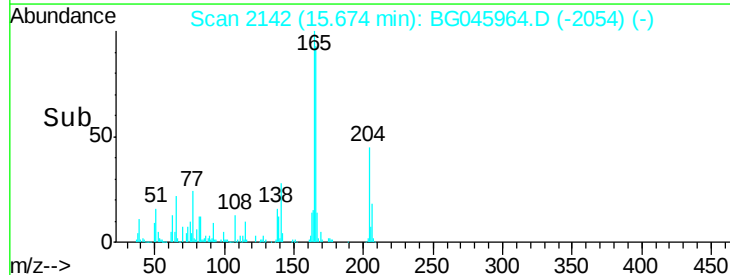
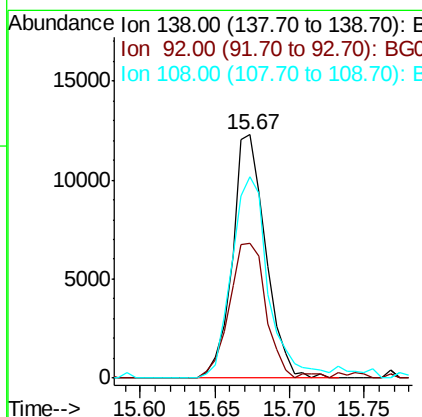
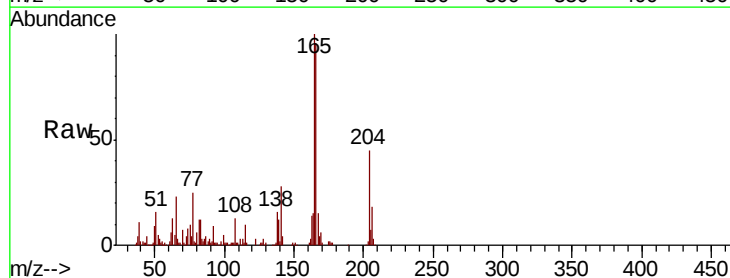
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

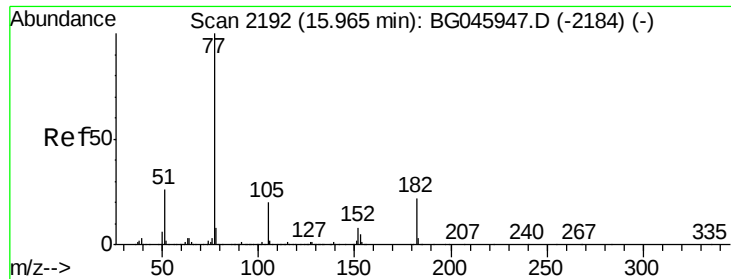
Tot Ion:204 Resp: 48806
Ion Ratio Lower Upper
204 100
206 39.3 27.1 40.7
141 62.7 49.8 74.8



#62
4-Nitroaniline
Concen: 4.335 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:138 Resp: 19100
Ion Ratio Lower Upper
138 100
92 55.5 40.3 80.3
108 82.6 68.0 108.0





#63

Azobenzene

Concen: 5.152 ng

RT: 15.97 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 77 Resp: 123633

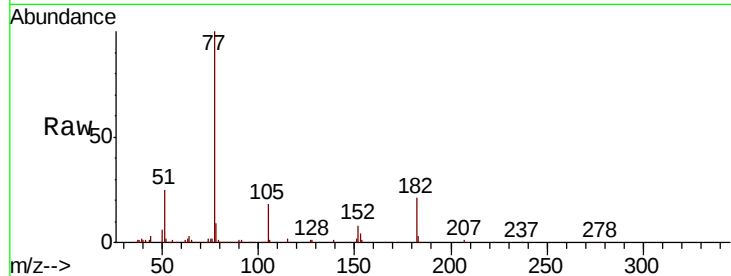
Ion Ratio Lower Upper

77 100

182 21.2 2.4 42.4

105 18.5 0.3 40.3

51 25.3 6.3 46.3

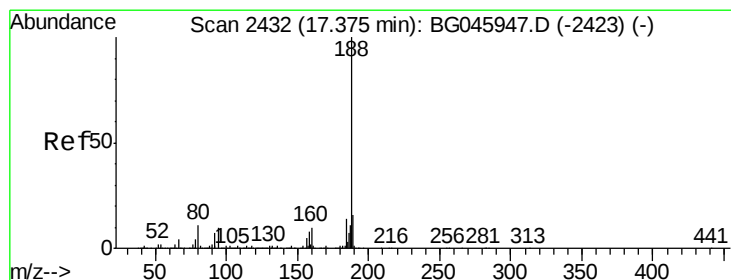
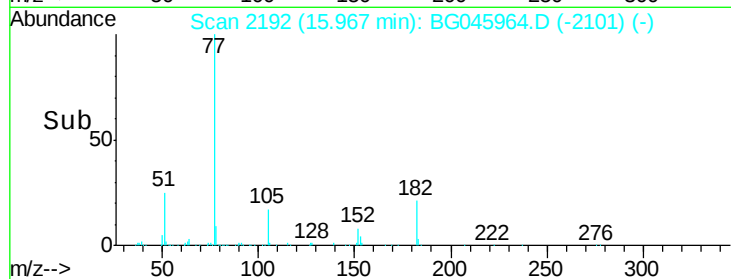
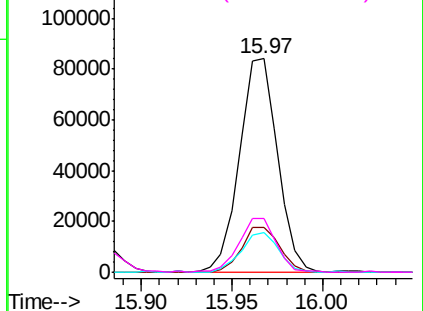


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

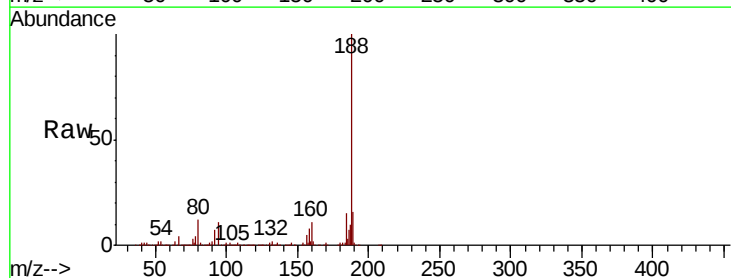
Tgt Ion: 188 Resp: 567035

Ion Ratio Lower Upper

188 100

94 11.4 8.2 12.4

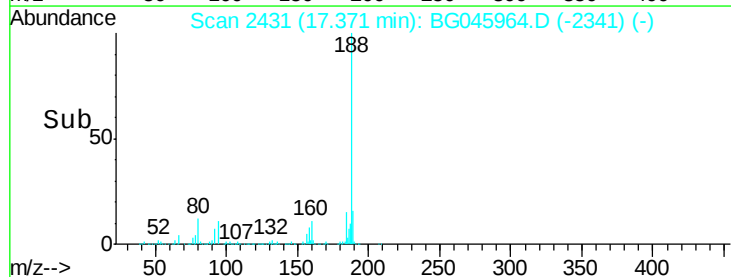
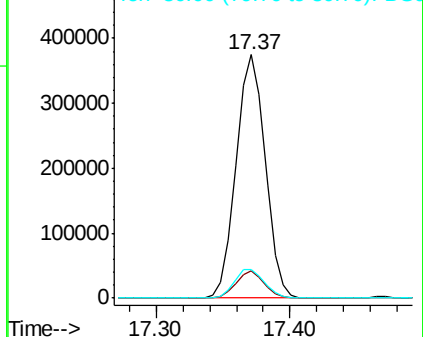
80 11.7 9.0 13.6

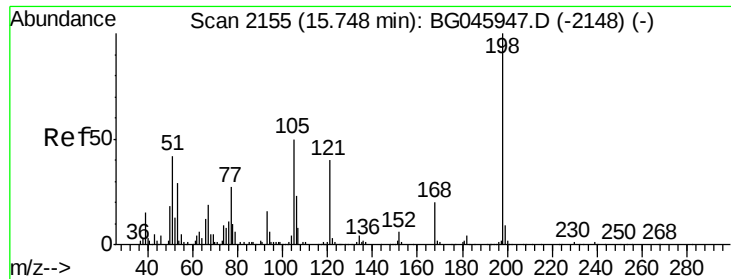


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 3.476 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

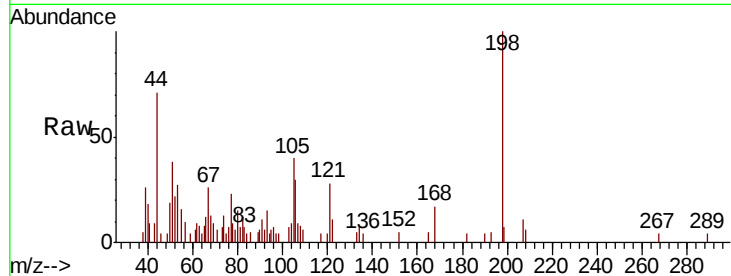
Tot Ion:198 Resp: 5773

Ion Ratio Lower Upper

198 100

51 38.4 24.5 64.5

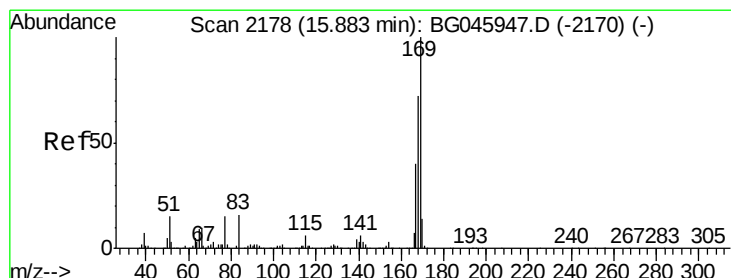
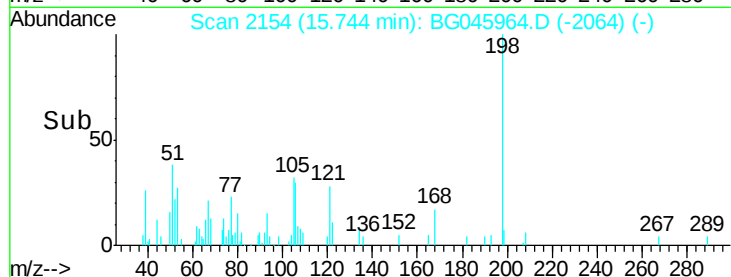
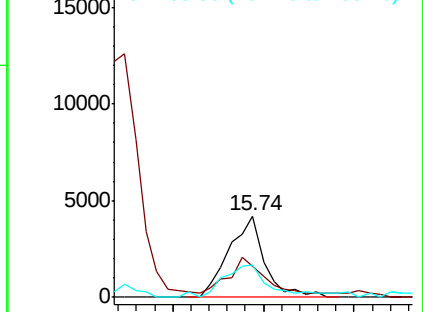
105 40.2 30.9 70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG045964.D (-2064) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 5.048 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

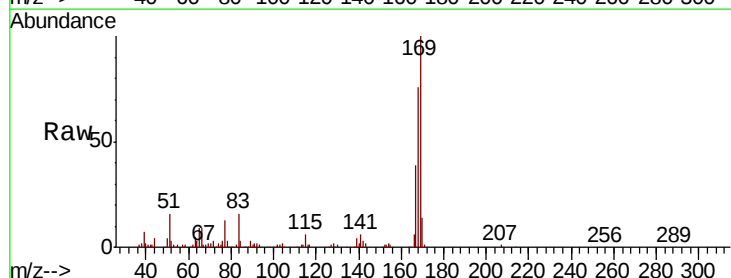
Tgt Ion:169 Resp: 88706

Ion Ratio Lower Upper

169 100

168 75.7 57.3 85.9

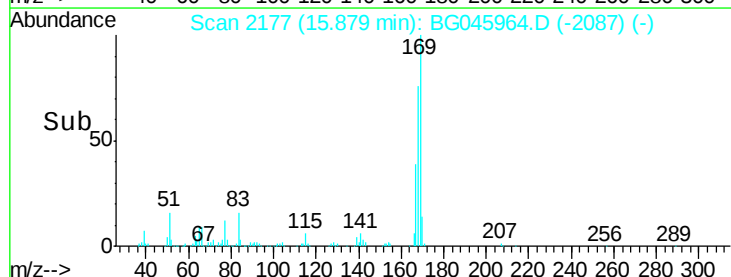
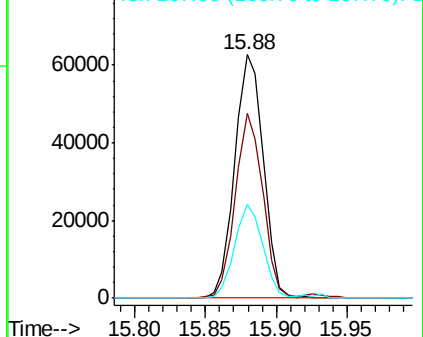
167 38.7 32.1 48.1

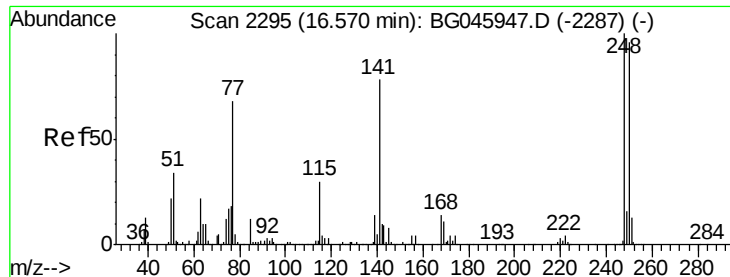


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

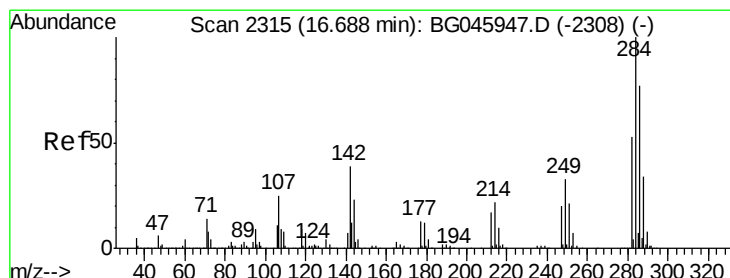
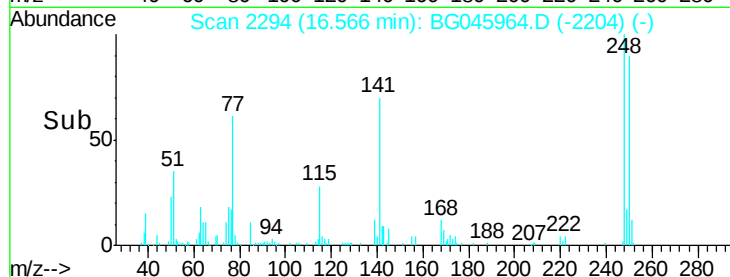
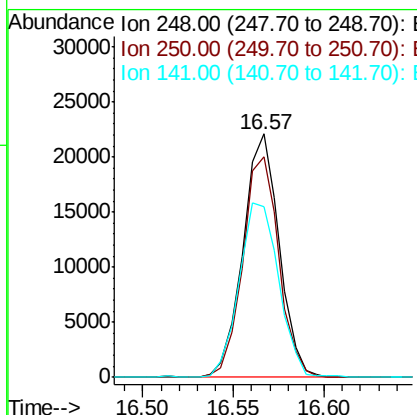
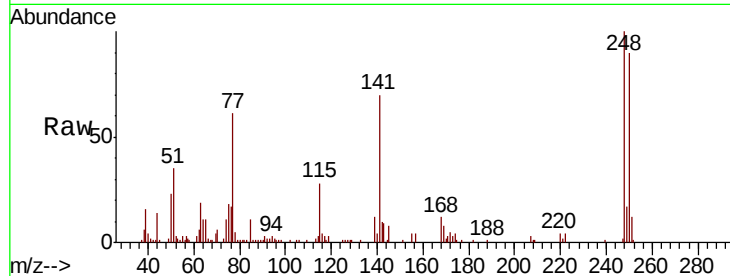




#67
 4-Bromophenyl-phenylether
 Concen: 4.829 ng
 RT: 16.57 min Scan# 2294
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

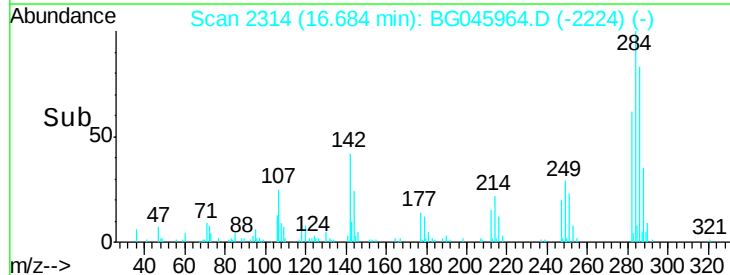
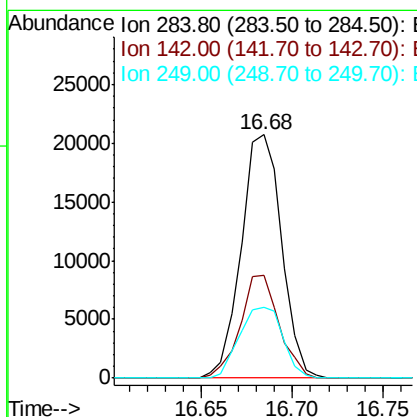
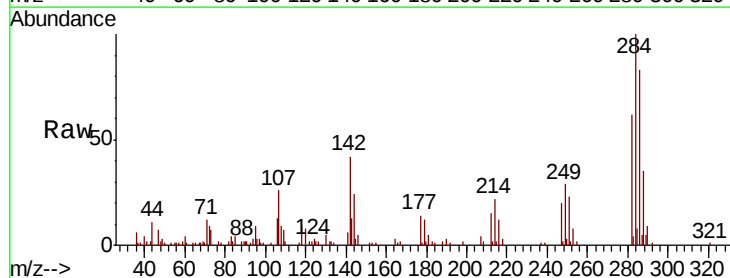
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

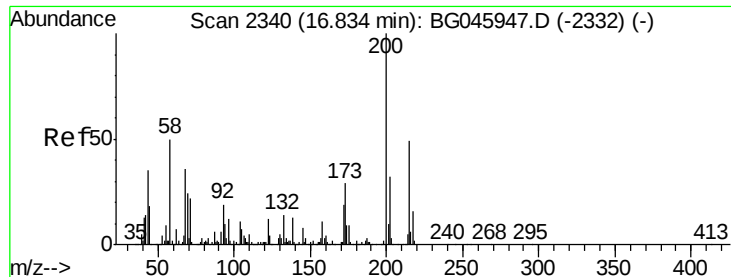
Tot Ion:248	Resp:	30582
Ion Ratio	Lower	Upper
248	100	
250	90.4	76.6 114.8
141	70.3	62.7 94.1



#68
 Hexachlorobenzene
 Concen: 5.059 ng
 RT: 16.68 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion:284	Resp:	32149
Ion Ratio	Lower	Upper
284	100	
142	42.3	31.3 46.9
249	29.1	26.8 40.2





#69

Atrazine

Concen: 5.819 ng

RT: 16.83 min Scan# 2339

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

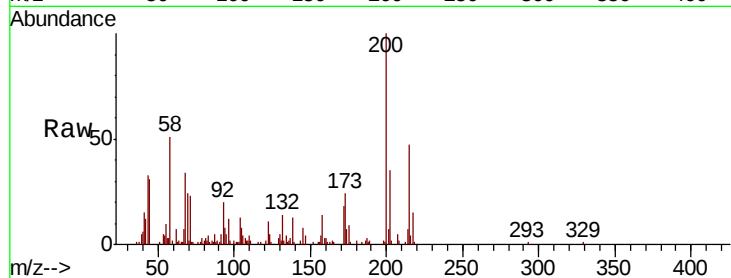
Tot Ion:200 Resp: 30230

Ion Ratio Lower Upper

200 100

173 24.0 9.1 49.1

215 47.1 28.8 68.8

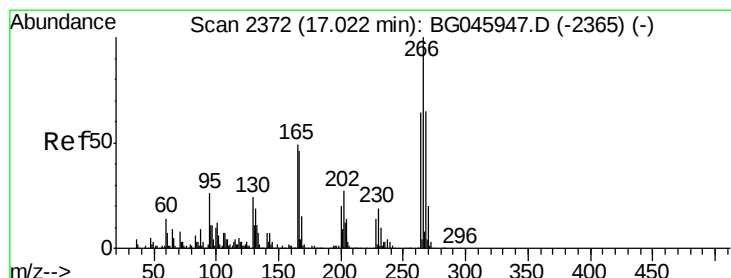
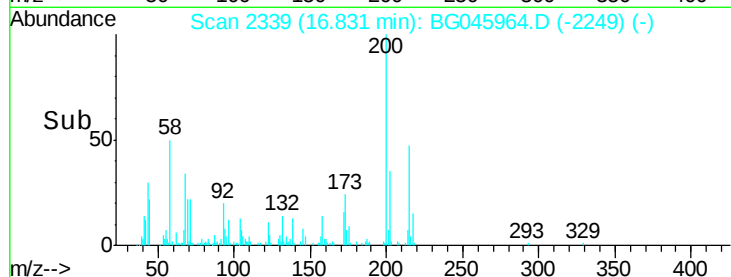
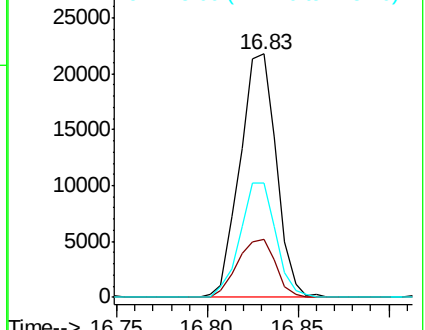


Abundance

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: 3.992 ng

RT: 17.02 min Scan# 2371

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

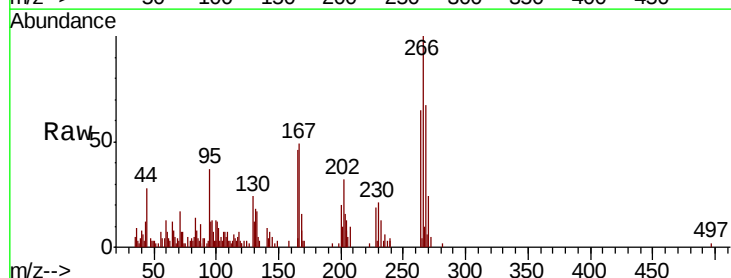
Tgt Ion:266 Resp: 14104

Ion Ratio Lower Upper

266 100

268 66.6 51.8 77.8

264 65.1 51.4 77.0

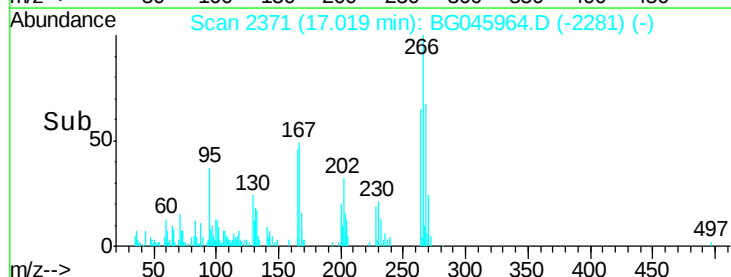
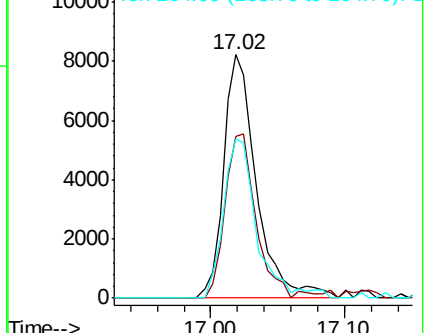


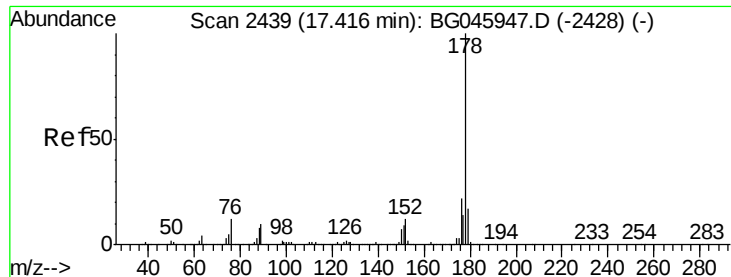
Abundance

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

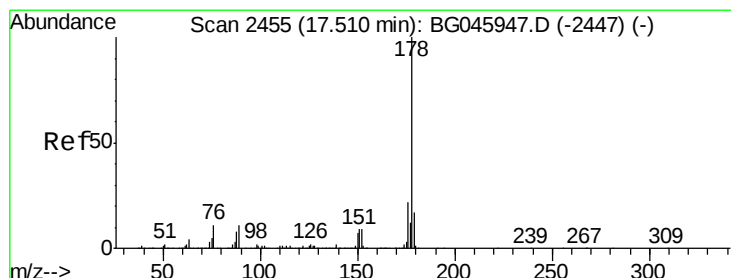
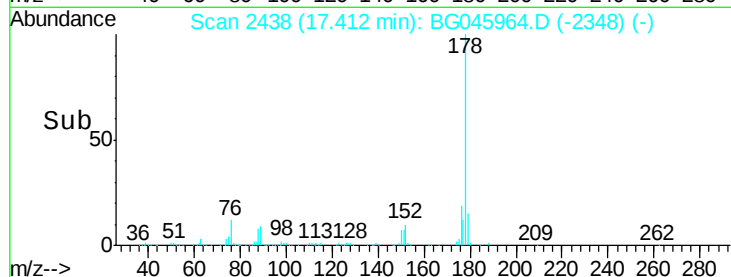
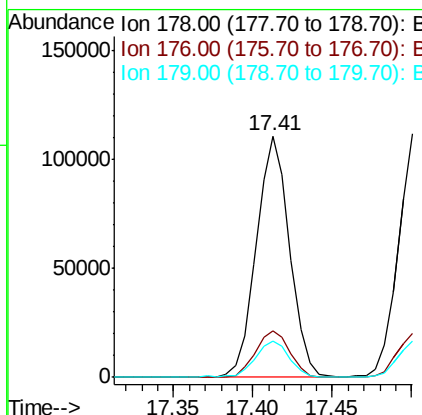
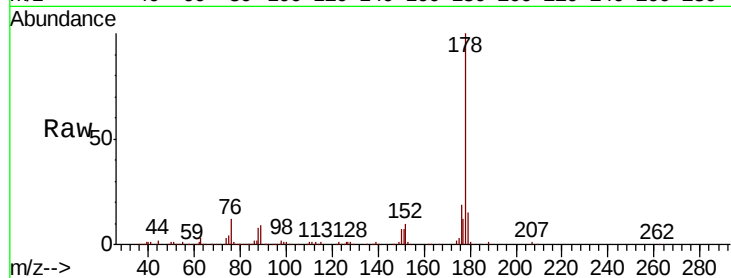




#71
Phenanthrene
Concen: 5.372 ng
RT: 17.41 min Scan# 2438
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

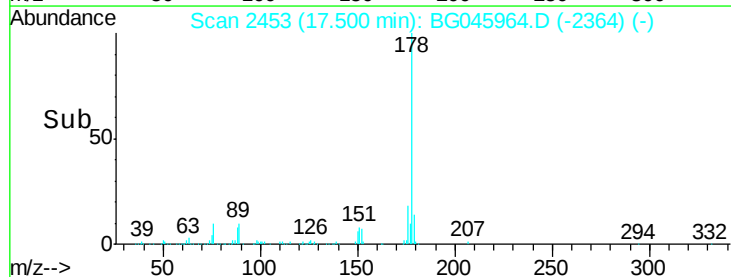
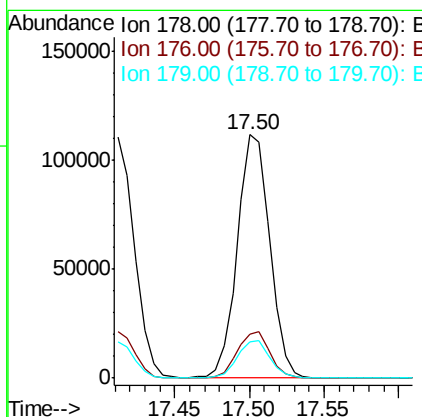
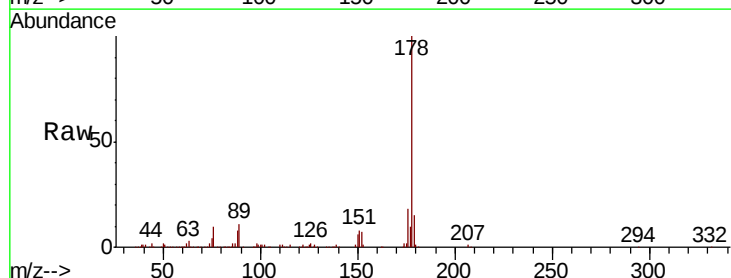
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

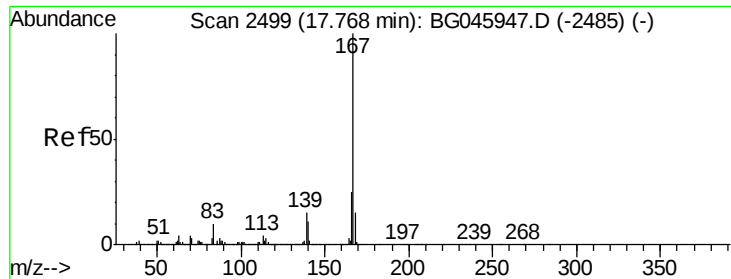
Tot Ion:178 Resp: 161027
Ion Ratio Lower Upper
178 100
176 19.2 17.4 26.2
179 15.1 13.4 20.2



#72
Anthracene
Concen: 5.552 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:178 Resp: 168902
Ion Ratio Lower Upper
178 100
176 18.3 17.2 25.8
179 14.7 14.0 21.0

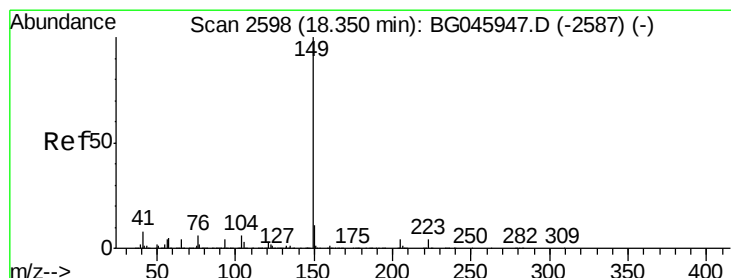
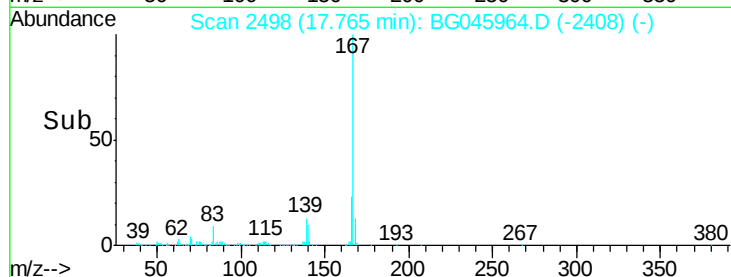
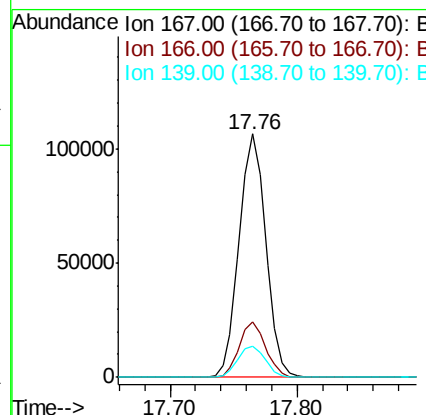
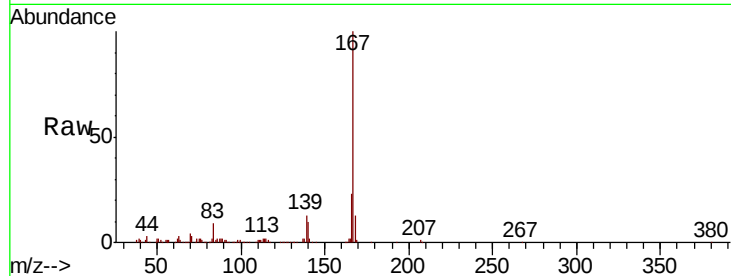




#73
 Carbazole
 Concen: 5.095 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

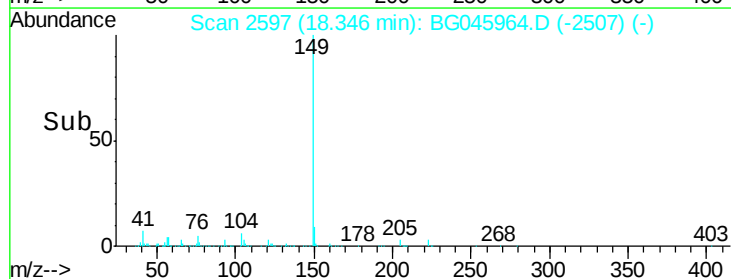
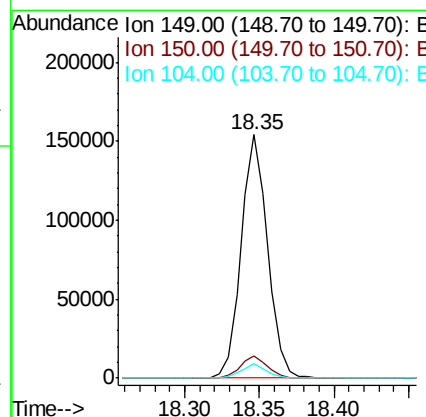
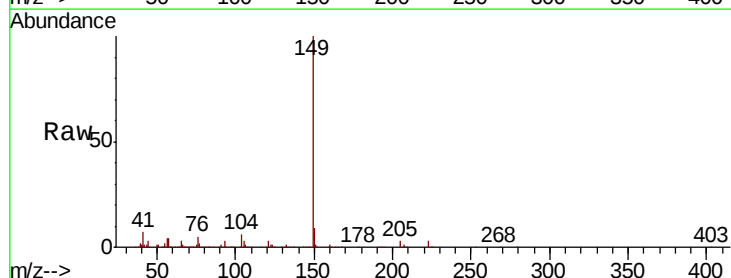
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

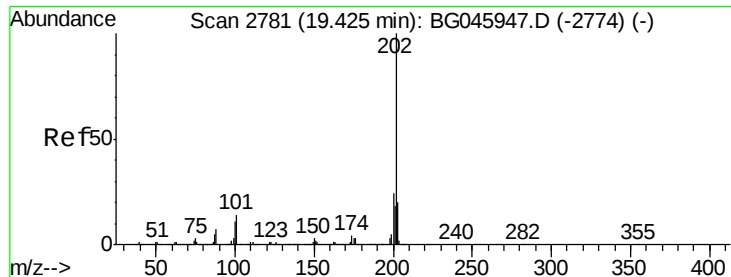
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	20.4	30.6
139	12.6	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 5.126 ng
 RT: 18.35 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	9.0	13.4
104	5.9	5.2	7.8

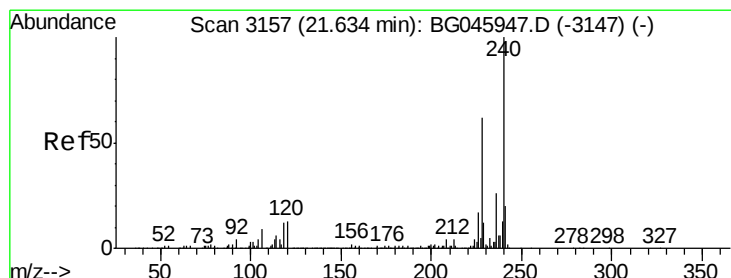
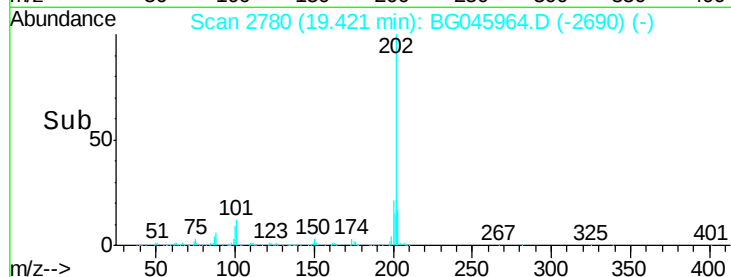
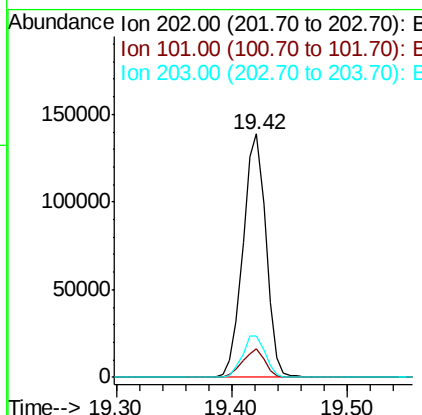
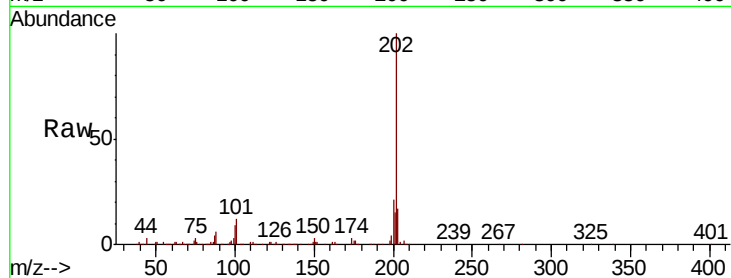




#75
 Fluoranthene
 Concen: 5.528 ng
 RT: 19.42 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

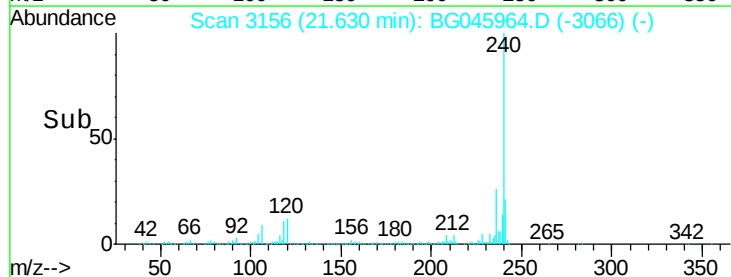
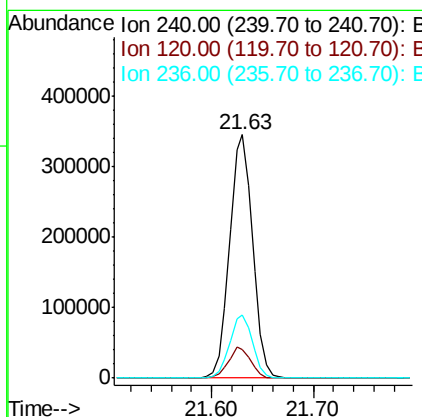
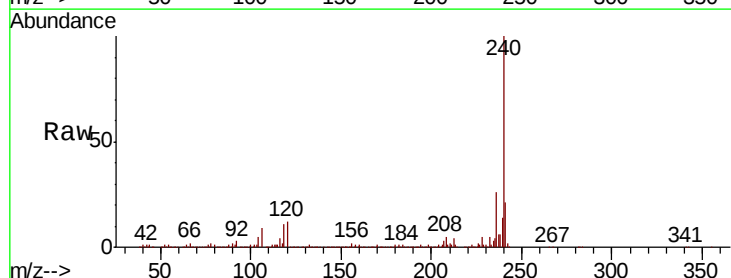
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

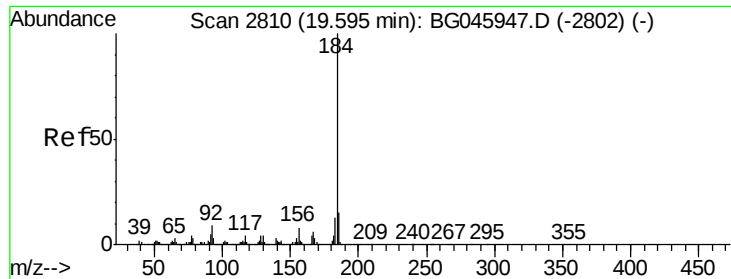
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.8
203	17.1	0.4	40.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.6	16.0
236	26.1	20.4	30.6





#77

Benzidine

Concen: 5.753 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

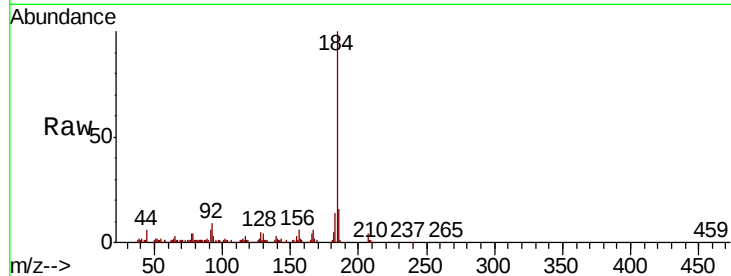
Tot Ion:184 Resp: 88885

Ion Ratio Lower Upper

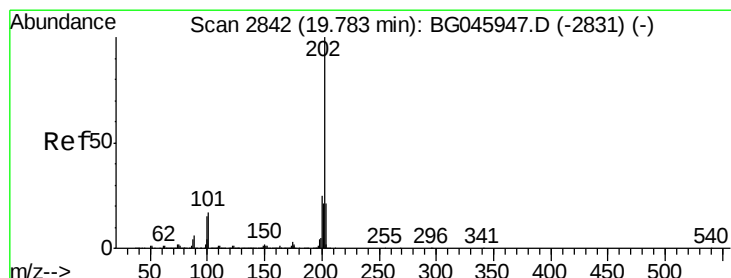
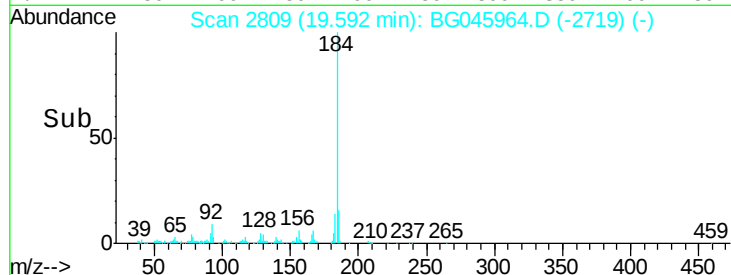
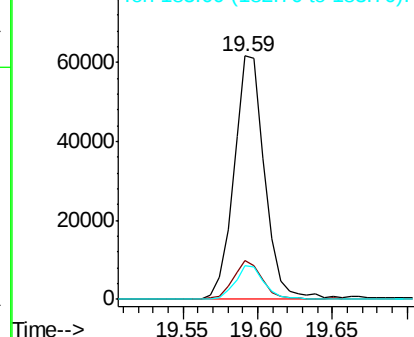
184 100

185 16.0 11.6 17.4

183 13.7 10.4 15.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.369 ng

RT: 19.78 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

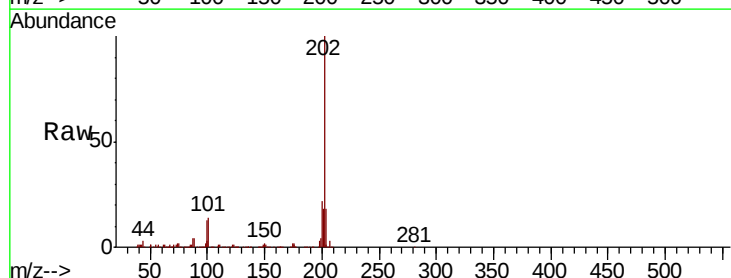
Tgt Ion:202 Resp: 198048

Ion Ratio Lower Upper

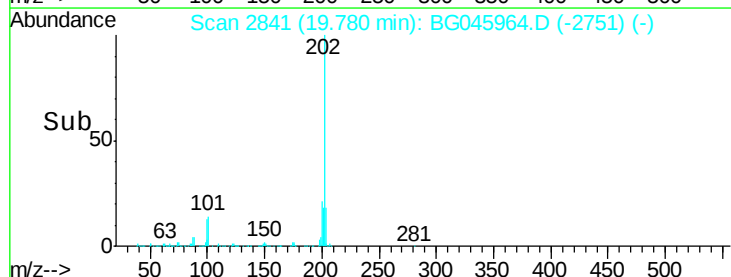
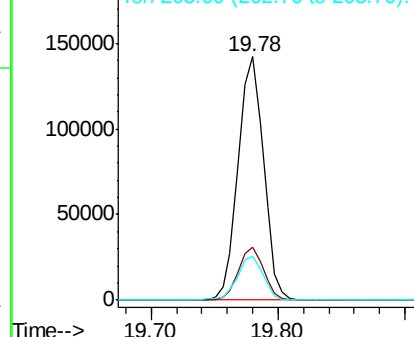
202 100

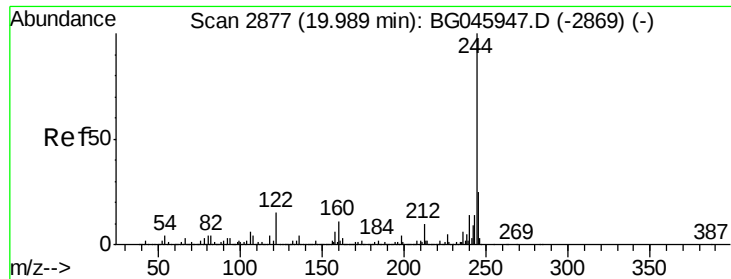
200 21.5 20.1 30.1

203 18.3 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: 119.050 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

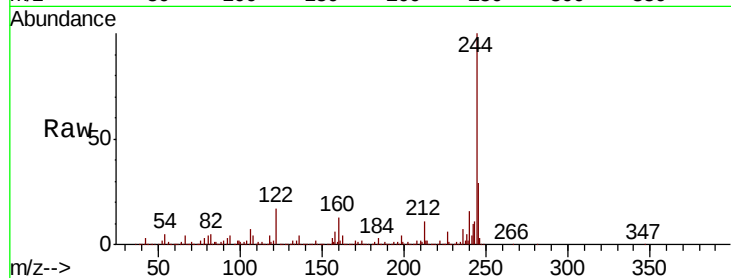
Tot Ion:244 Resp: 2890628

Ion Ratio Lower Upper

244 100

212 11.4 8.3 12.5

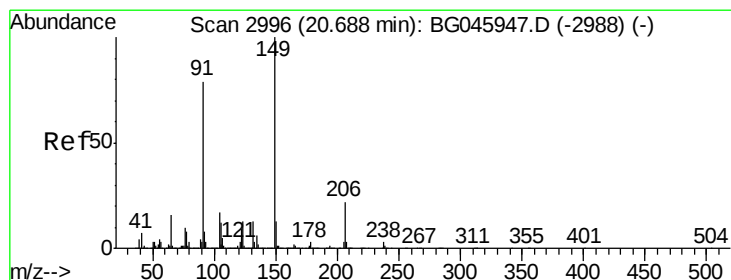
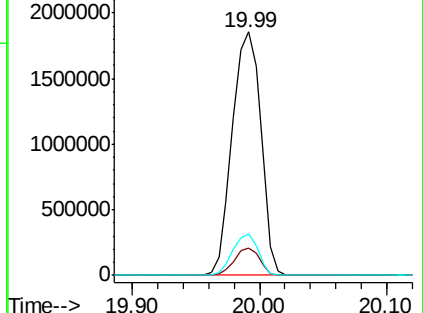
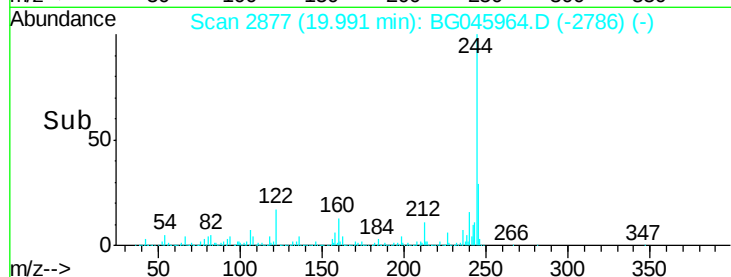
122 17.1 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.407 ng

RT: 20.68 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

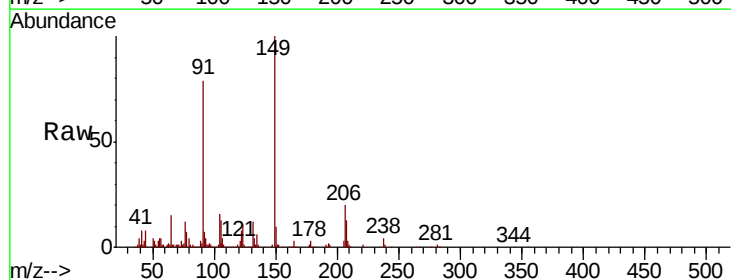
Tgt Ion:149 Resp: 76815

Ion Ratio Lower Upper

149 100

91 79.3 63.1 94.7

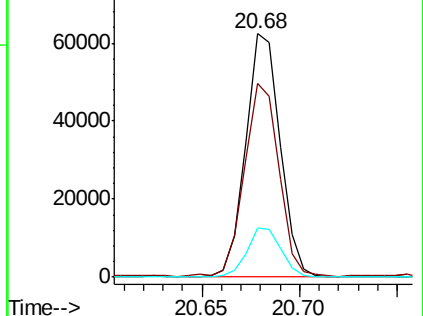
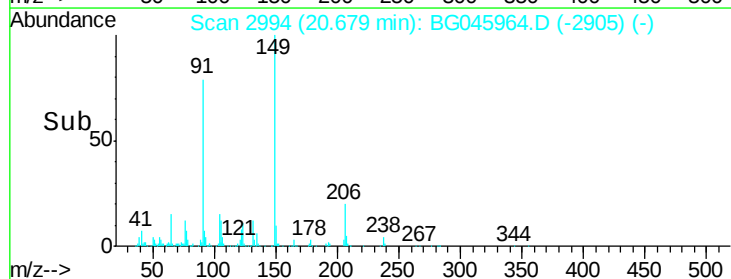
206 20.4 17.4 26.0

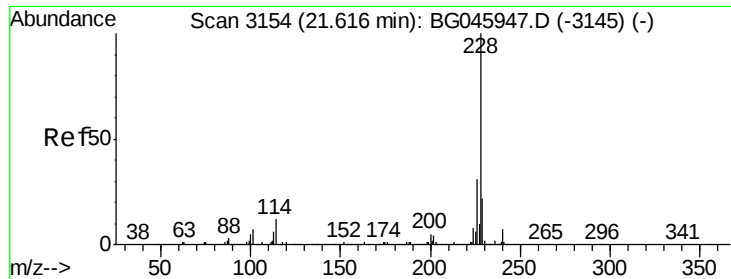


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

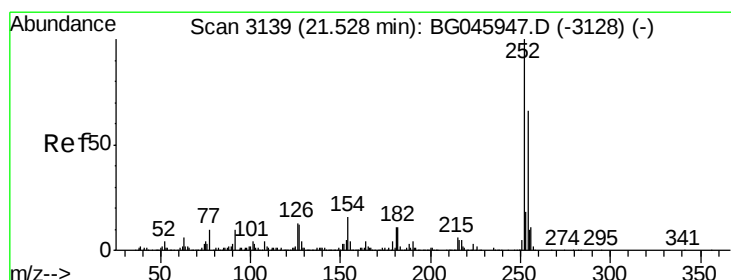
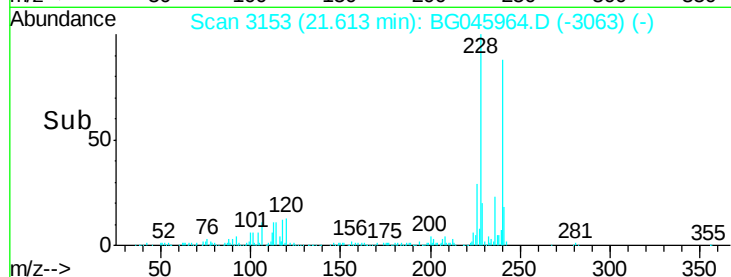
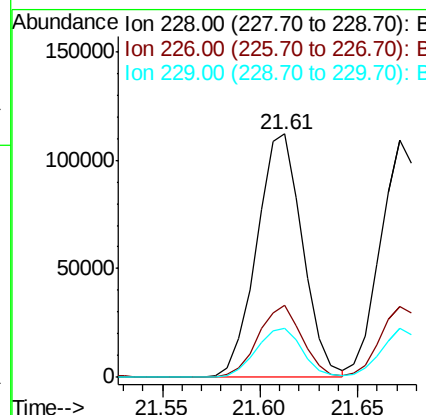
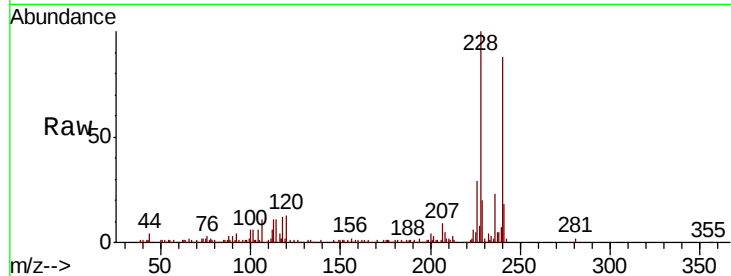




#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

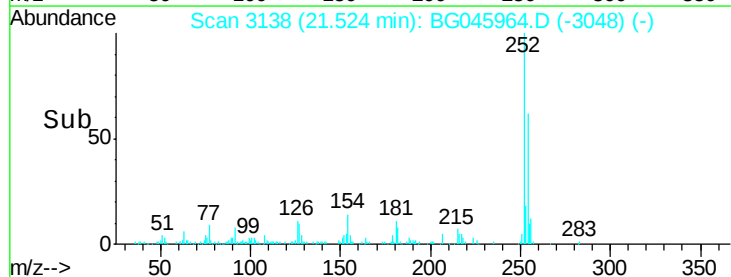
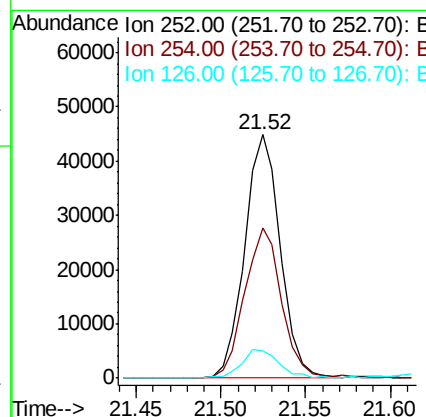
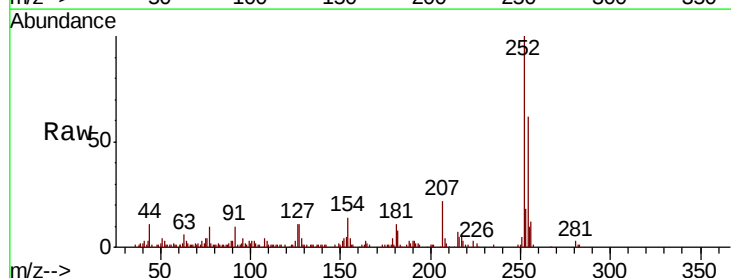
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

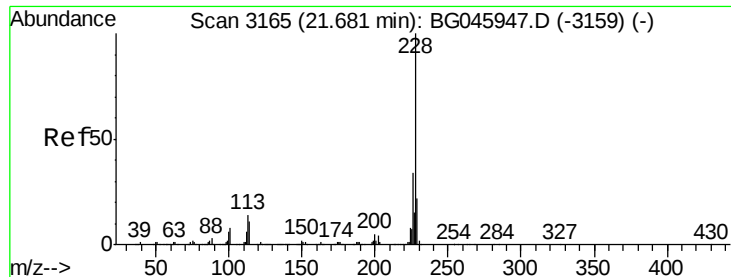
Tot Ion:228 Resp: 182090
Ion Ratio Lower Upper
228 100
226 29.5 24.8 37.2
229 20.1 17.8 26.8



#82
3,3'-Dichlorobenzidine
Concen: 5.003 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion:252 Resp: 65691
Ion Ratio Lower Upper
252 100
254 61.7 52.9 79.3
126 11.4 10.4 15.6





#83

Chrysene

Concen: 5.130 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

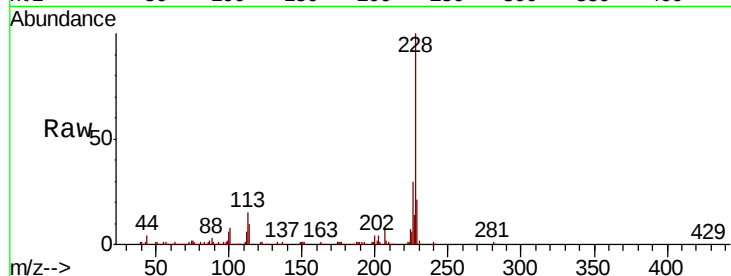
Tot Ion:228 Resp: 173633

Ion Ratio Lower Upper

228 100

226 29.9 26.7 40.1

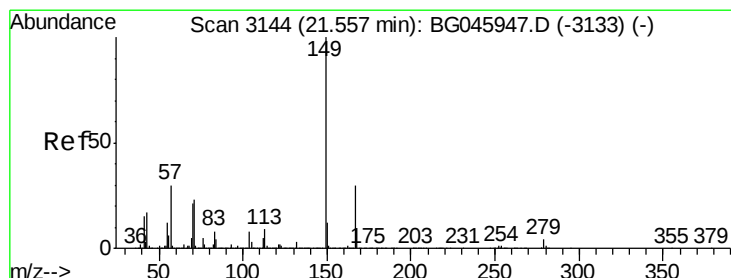
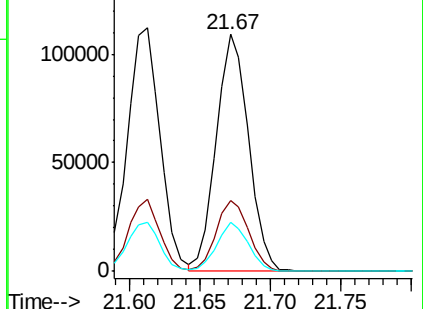
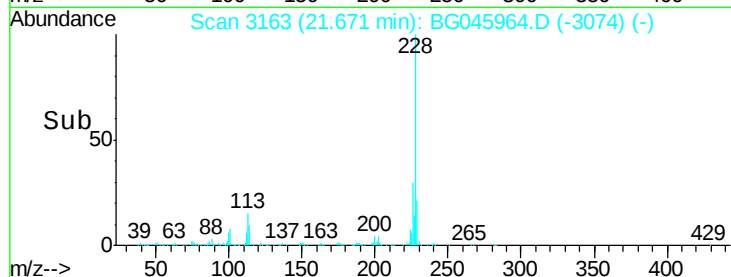
229 20.8 17.3 25.9



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: 4.744 ng

RT: 21.55 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

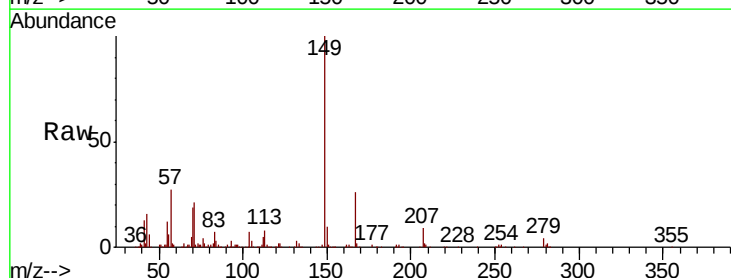
Tgt Ion:149 Resp: 120035

Ion Ratio Lower Upper

149 100

167 25.7 23.8 35.8

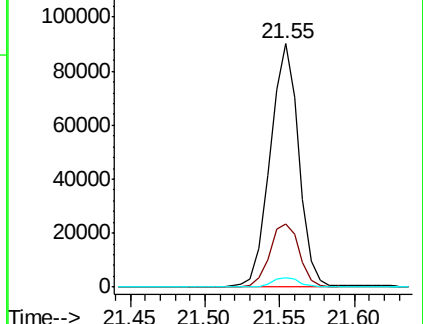
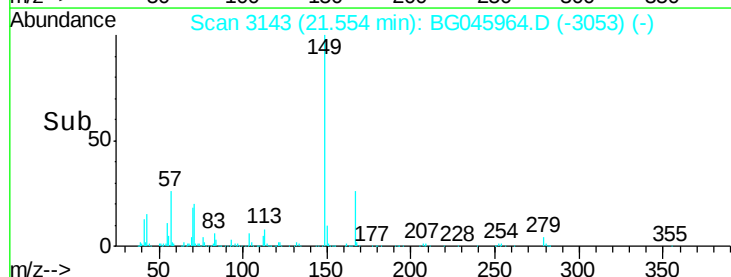
279 3.8 3.5 5.3

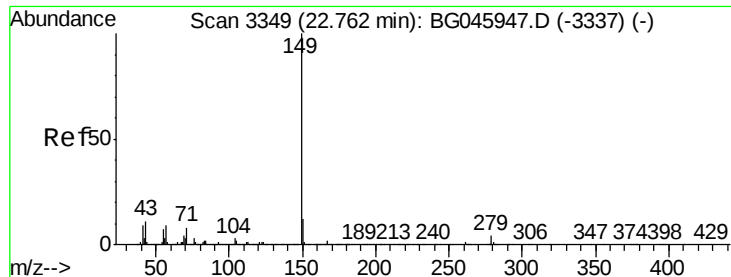


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

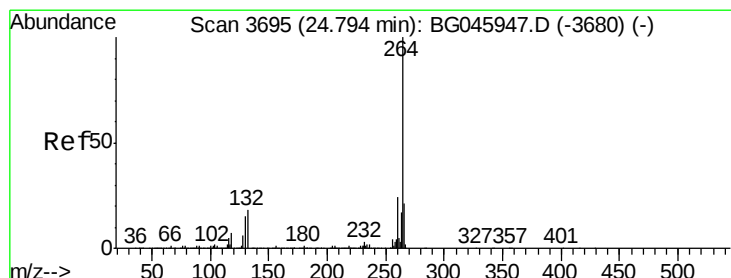
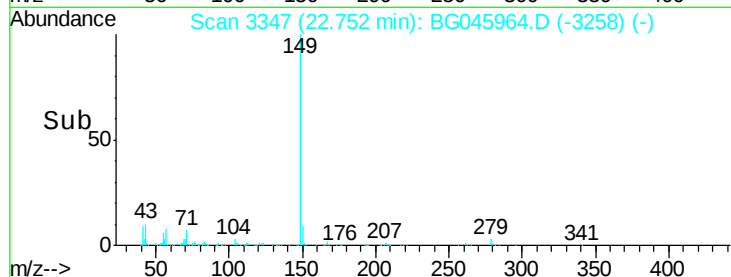
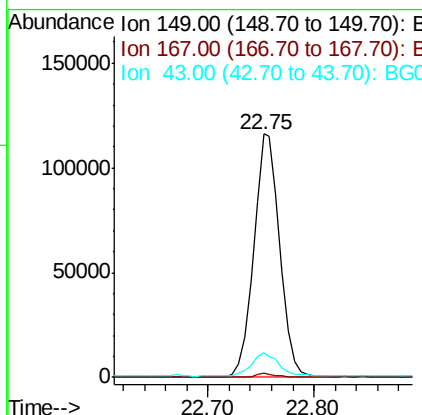
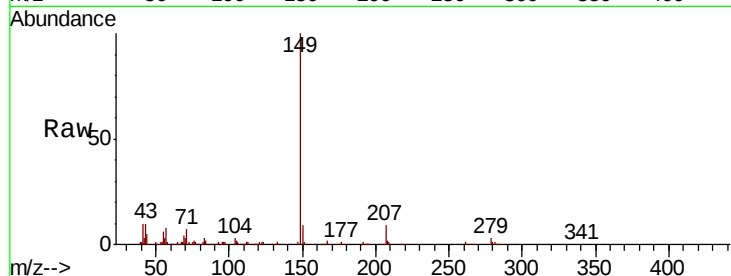




#85
Di-n-octyl phthalate
Concen: 4.533 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

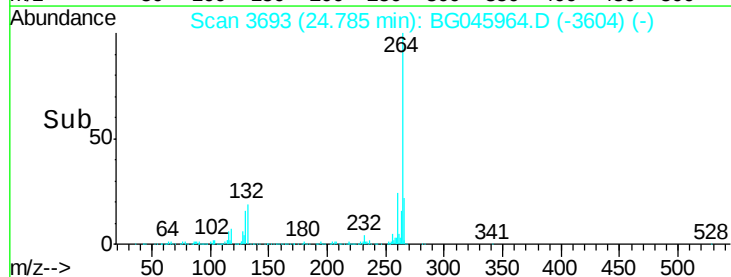
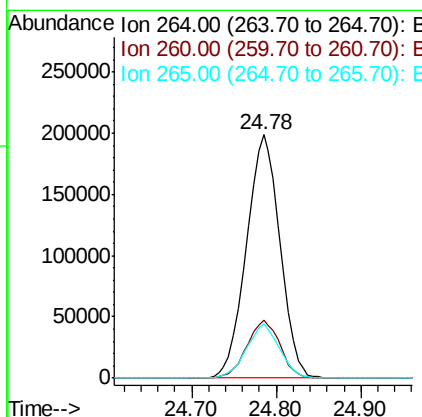
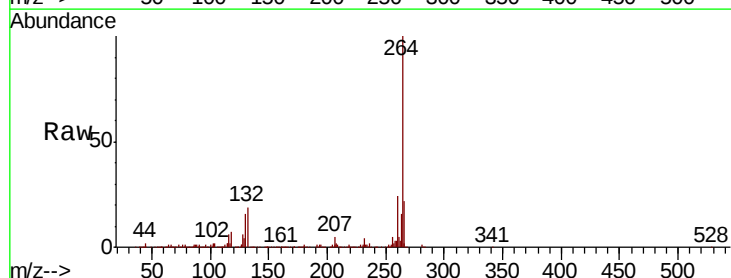
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

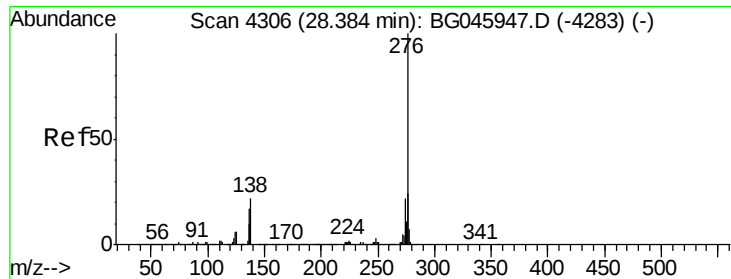
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.4	2.0
43	10.0	8.6	12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	22.1	16.9	25.3

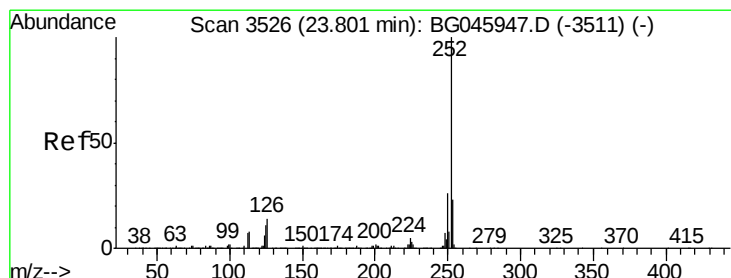
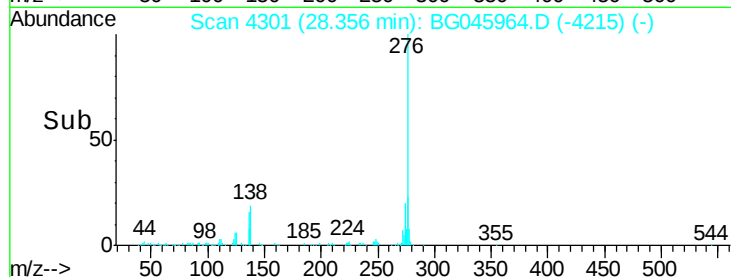
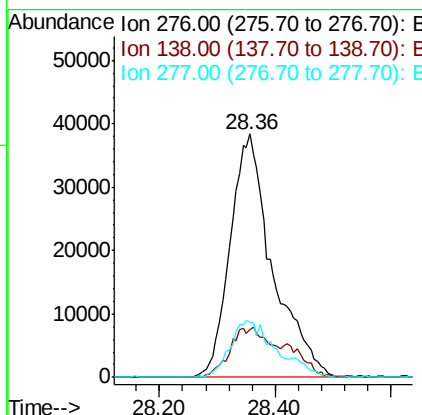
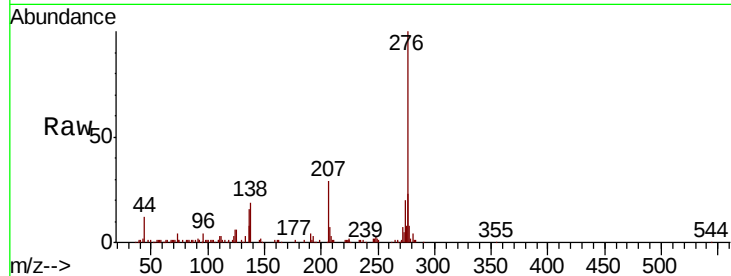




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.855 ng
 RT: 28.36 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

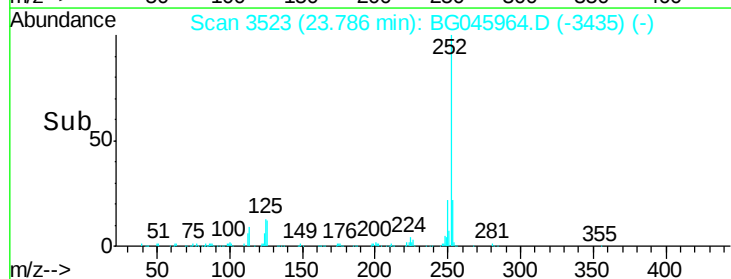
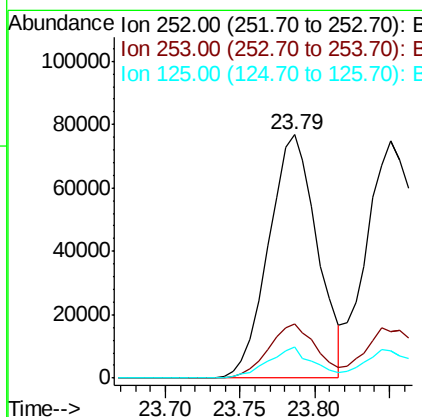
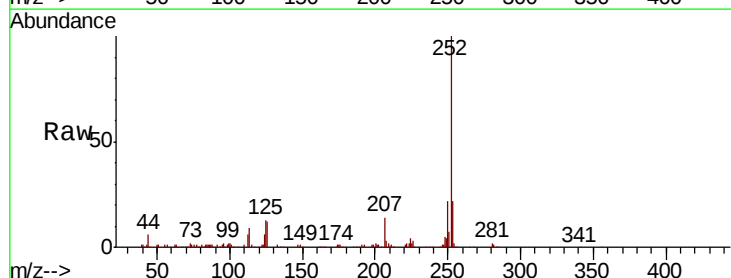
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

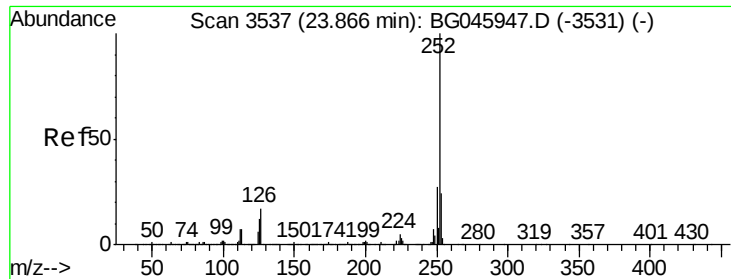
Tot Ion	Ratio	Lower	Upper
276	100		
138	8.8	16.4	24.6
277	25.5	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 4.997 ng
 RT: 23.79 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045964.D
 Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.5	27.7
125	13.1	9.2	13.8

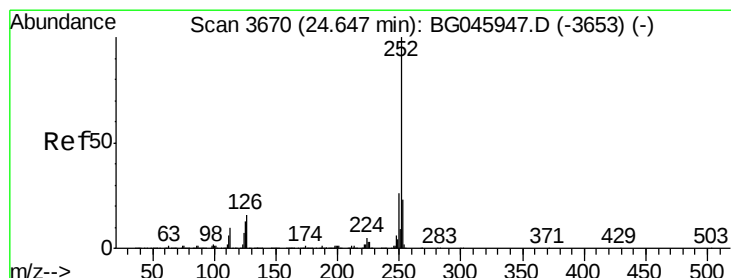
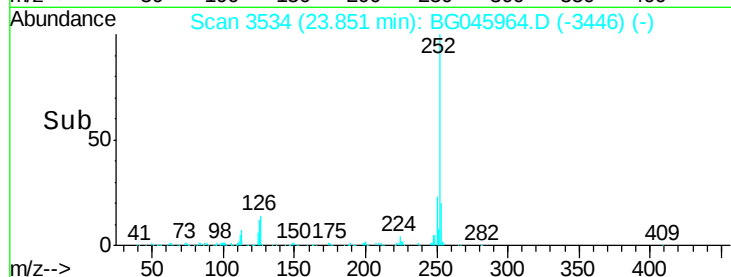
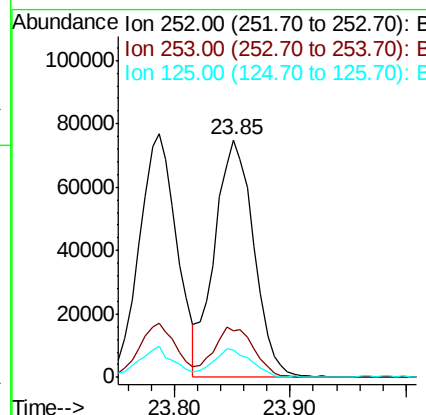
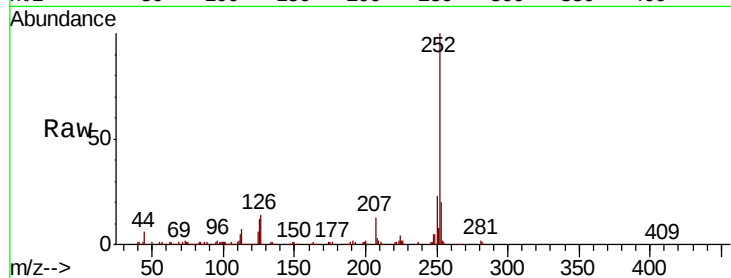




#89
Benzo(k)fluoranthene
Concen: 5.356 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

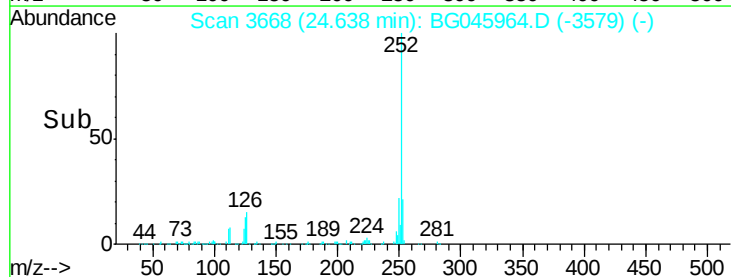
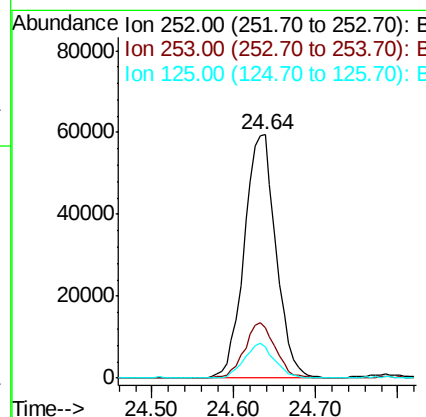
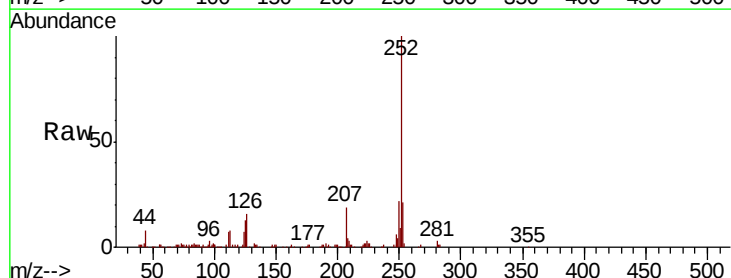
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

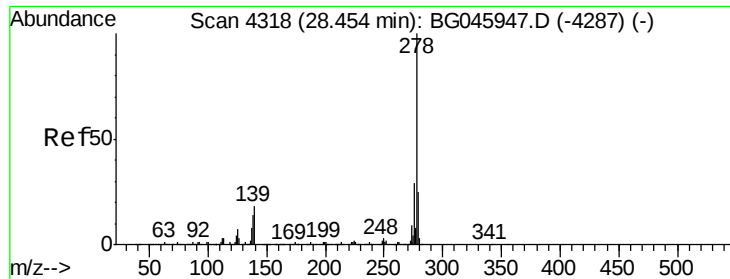
Tot Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.9	28.3
125	11.7	9.6	14.4



#90
Benzo(a)pyrene
Concen: 4.912 ng
RT: 24.64 min Scan# 3668
Delta R.T. -0.01 min
Lab File: BG045964.D
Acq: 7 Jul 2020 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.6	28.0
125	12.9	10.5	15.7





#91

Dibenzo(a,h)anthracene

Concen: 5.003 ng

RT: 28.43 min Scan# 4313

Delta R.T. -0.03 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

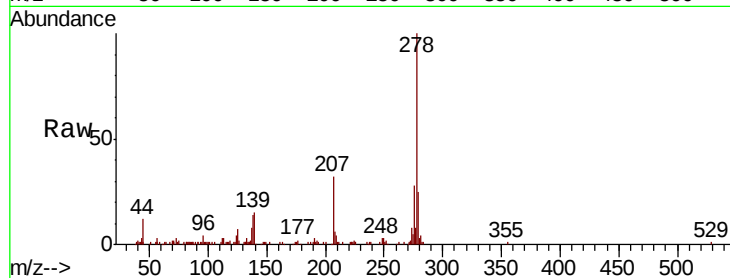
Tot Ion:278 Resp: 161943

Ion Ratio Lower Upper

278 100

139 15.5 14.3 21.5

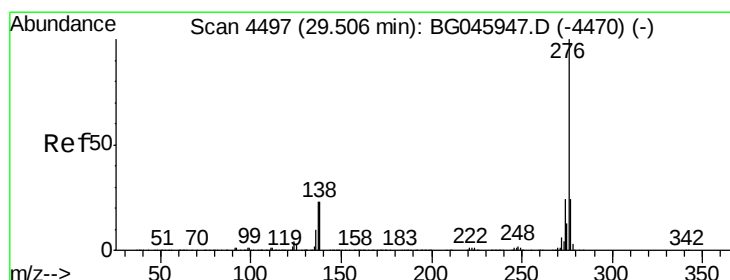
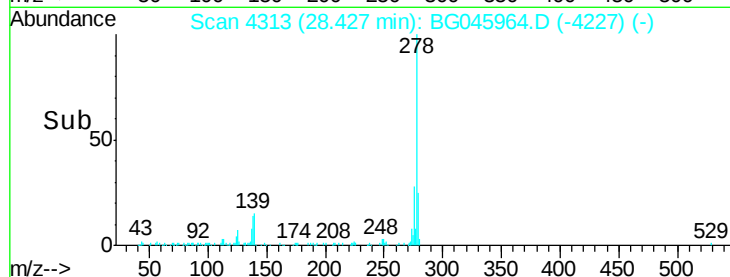
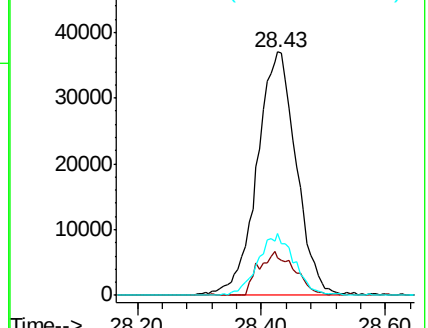
279 25.5 19.8 29.6



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: 5.001 ng

RT: 29.45 min Scan# 4488

Delta R.T. -0.05 min

Lab File: BG045964.D

Acq: 7 Jul 2020 18:00

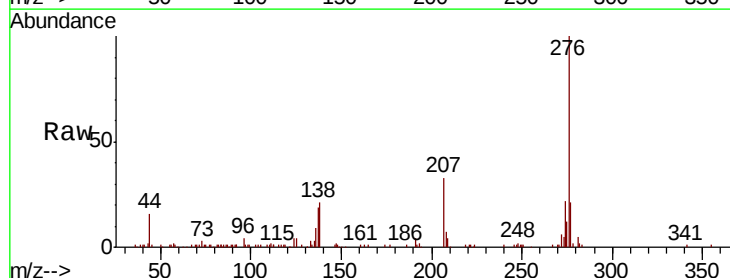
Tgt Ion:276 Resp: 162912

Ion Ratio Lower Upper

276 100

277 20.7 19.4 29.0

138 21.3 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

