

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045976.D
 Acq On : 8 Jul 2020 11:31
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 08 12:13:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	139876	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	567303	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	337420	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	705604	20.00	ng	0.00
76) Chrysene-d12	21.63	240	671294	20.00	ng	0.00
86) Perylene-d12	24.78	264	658631	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	1160291	134.52	ng	0.00
7) Phenol-d6	7.17	99	1625500	130.90	ng	0.00
23) Nitrobenzene-d5	9.16	82	809193	82.10	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	462657	147.74	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1592064	73.60	ng	0.00
79) Terphenyl-d14	19.98	244	1724158	57.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	18491	4.647	ng	92
3) Pyridine	3.91	79	38231	3.177	ng	93
4) n-Nitrosodimethylamine	3.82	42	15008	3.689	ng	# 80
6) Aniline	7.33	93	60252	3.793	ng	99
8) 2-Chlorophenol	7.57	128	35039	3.774	ng	97
9) Benzaldehyde	7.14	77	41004	5.212	ng	96
10) Phenol	7.19	94	45832	3.679	ng	94
11) bis(2-Chloroethyl)ether	7.42	93	38113	3.700	ng	96
12) 1,3-Dichlorobenzene	8.04	146	39389	3.680	ng	94
13) 1,4-Dichlorobenzene	8.04	146	39389	3.741	ng	97
14) 1,2-Dichlorobenzene	8.36	146	35063	3.460	ng	96
15) Benzyl Alcohol	8.23	79	32703	3.359	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.53	45	47451	3.531	ng	95
17) 2-Methylphenol	8.44	107	30364	3.249	ng	93
18) Hexachloroethane	9.09	117	14331	3.538	ng	89
19) n-Nitroso-di-n-propylamine	8.80	70	32428	3.717	ng	89
20) 3+4-Methylphenols	8.76	107	40064	3.145	ng	94
22) Acetophenone	8.82	105	60386	3.984	ng	# 95
24) Nitrobenzene	9.20	77	47199	4.339	ng	90
25) Isophorone	9.72	82	85251	3.543	ng	100
26) 2-Nitrophenol	9.91	139	12044	3.397	ng	# 93
27) 2,4-Dimethylphenol	9.97	122	31671	3.698	ng	96
28) bis(2-Chloroethoxy)methane	10.21	93	50139	3.711	ng	96
29) 2,4-Dichlorophenol	10.44	162	29089	3.281	ng	93
30) 1,2,4-Trichlorobenzene	10.67	180	33557	3.416	ng	94
31) Naphthalene	10.85	128	112605	3.703	ng	98
32) Benzoic acid	10.02	122	4766	1.028	ng	90
33) 4-Chloroaniline	10.95	127	46764	3.441	ng	94
34) Hexachlorobutadiene	11.15	225	19080	3.326	ng	96
35) Caprolactam	11.69	113	10698	3.178	ng	# 83
36) 4-Chloro-3-methylphenol	12.06	107	33413	3.309	ng	89
37) 2-Methylnaphthalene	12.46	142	81360	3.763	ng	98
38) 1-Methylnaphthalene	12.46	142	81360	3.988	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	36616	3.850	ng	99

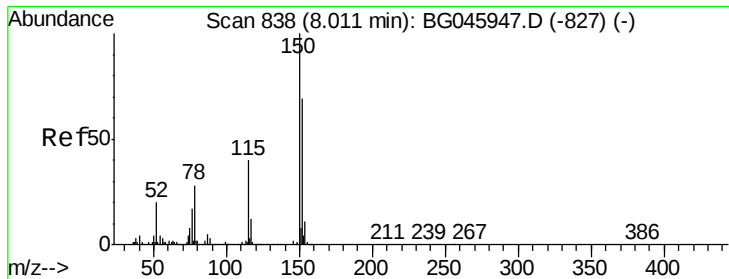
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
 Data File : BG045976.D
 Acq On : 8 Jul 2020 11:31
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Quant Time: Jul 08 12:13:18 2020
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	19863	3.519	ng	94
43) 2,4,6-Trichlorophenol	13.06	196	21198	3.295	ng	87
44) 2,4,5-Trichlorophenol	13.13	196	23757	3.266	ng	94
46) 1,1'-Biphenyl	13.46	154	104012	4.098	ng	98
47) 2-Chloronaphthalene	13.50	162	74164	3.703	ng	97
48) 2-Nitroaniline	13.69	65	18903	4.033	ng	94
49) Acenaphthylene	14.34	152	123367	3.818	ng	97
50) Dimethylphthalate	14.08	163	91313	3.606	ng	100
51) 2,6-Dinitrotoluene	14.19	165	15595	3.969	ng	88
52) Acenaphthene	14.69	154	74421	3.651	ng	96
53) 3-Nitroaniline	14.51	138	17200	3.532	ng	88
54) 2,4-Dinitrophenol	14.72	184	2303	1.662	ng	# 54
55) Dibenzofuran	15.03	168	115181	3.855	ng	99
56) 4-Nitrophenol	14.81	139	12867	3.119	ng	97
57) 2,4-Dinitrotoluene	14.97	165	18270	3.763	ng	97
58) Fluorene	15.67	166	94584	3.859	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.17	232	18604	3.313	ng	92
60) Diethylphthalate	15.45	149	96232	3.624	ng	97
61) 4-Chlorophenyl-phenylether	15.67	204	44087	3.616	ng	96
62) 4-Nitroaniline	15.67	138	17761	3.394	ng	92
63) Azobenzene	15.97	77	108944	3.822	ng	97
65) 4,6-Dinitro-2-methylphenol	15.73	198	5228	2.530	ng	95
66) n-Nitrosodiphenylamine	15.88	169	81157	3.712	ng	97
67) 4-Bromophenyl-phenylether	16.56	248	25639	3.253	ng	90
68) Hexachlorobenzene	16.68	284	27719	3.505	ng	97
69) Atrazine	16.82	200	26811	4.147	ng	94
70) Pentachlorophenol	17.02	266	11575	2.633	ng	95
71) Phenanthrene	17.41	178	143876	3.857	ng	96
72) Anthracene	17.50	178	148118	3.913	ng	97
73) Carbazole	17.76	167	136818	3.606	ng	95
74) Di-n-butylphthalate	18.34	149	166247	3.626	ng	95
75) Fluoranthene	19.42	202	168956	3.918	ng	95
77) Benzidine	19.59	184	77345	4.030	ng	98
78) Pyrene	19.78	202	176978	3.862	ng	93
80) Butylbenzylphthalate	20.68	149	66291	3.061	ng	97
81) Benzo(a)anthracene	21.60	228	162498	3.681	ng	96
82) 3,3'-Dichlorobenzidine	21.52	252	58652	3.596	ng	93
83) Chrysene	21.67	228	153480	3.650	ng	94
84) Bis(2-ethylhexyl)phthalate	21.55	149	105416	3.354	ng	# 91
85) Di-n-octyl phthalate	22.75	149	169638	3.110	ng	99
87) Indeno(1,2,3-cd)pyrene	28.35	276	168824	3.504	ng	# 90
88) Benzo(b)fluoranthene	23.78	252	153733	3.677	ng	99
89) Benzo(k)fluoranthene	23.85	252	153006	3.870	ng	99
90) Benzo(a)pyrene	24.63	252	140715	3.579	ng	97
91) Dibenzo(a,h)anthracene	28.41	278	139188	3.582	ng	97
92) Benzo(g,h,i)perylene	29.46	276	141468	3.617	ng	96

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

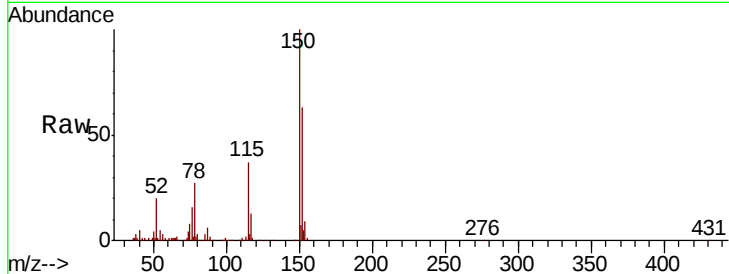


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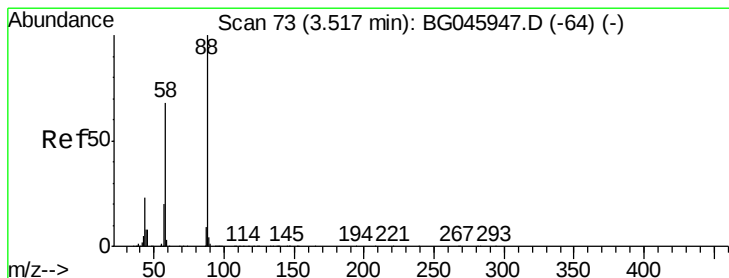
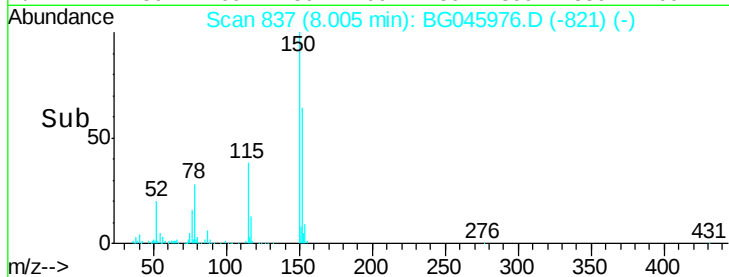
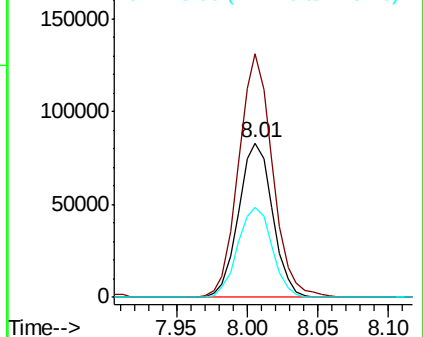
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:152 Resp: 139876
Ion Ratio Lower Upper
152 100
150 158.0 116.7 175.1
115 58.7 47.4 71.0



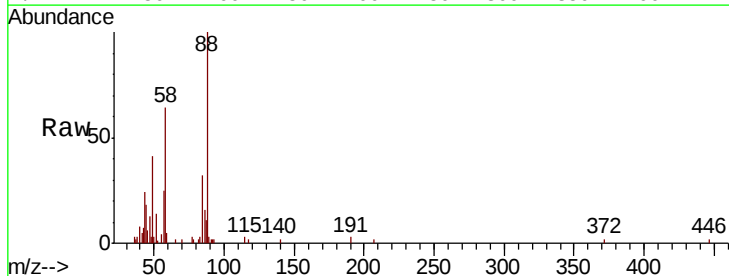
Abundance Ion 152.00 (151.70 to 152.70): B
Ion 150.00 (149.70 to 150.70): B
Ion 115.00 (114.70 to 115.70): B



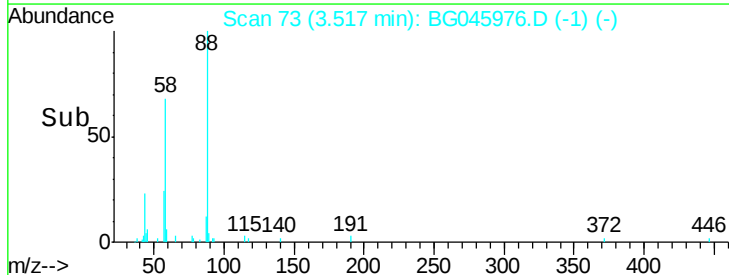
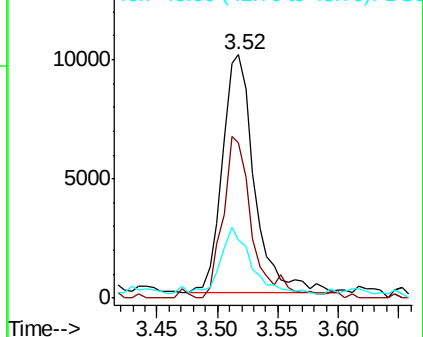
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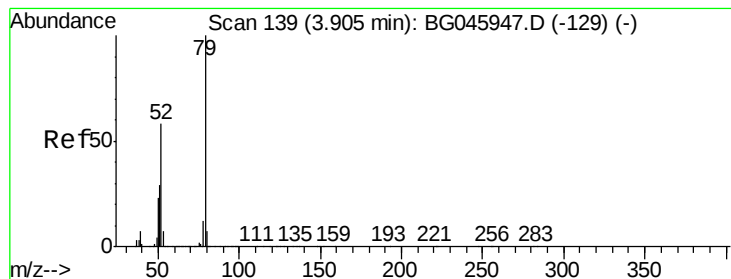
1,4-Dioxane
Concen: 4.647 ng
RT: 3.52 min Scan# 73
Delta R.T. 0.00 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion: 88 Resp: 18491
Ion Ratio Lower Upper
88 100
58 61.6 55.2 82.8
43 26.1 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: 3.177 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

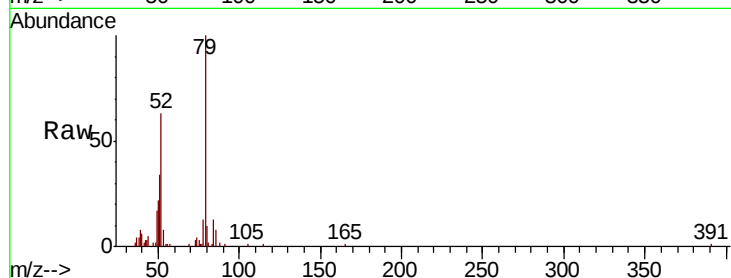
Tot Ion: 79 Resp: 38231

Ion Ratio Lower Upper

79 100

52 62.8 46.5 69.7

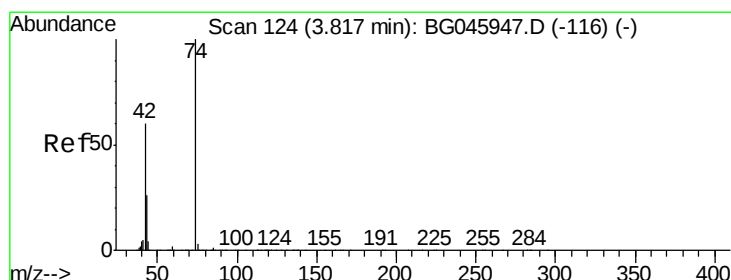
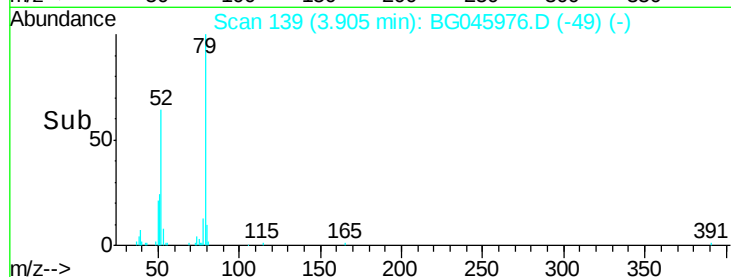
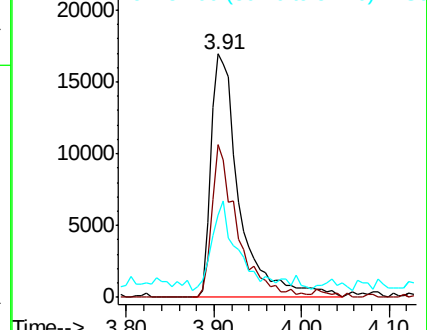
51 33.8 23.5 35.3



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: 3.689 ng

RT: 3.82 min Scan# 124

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

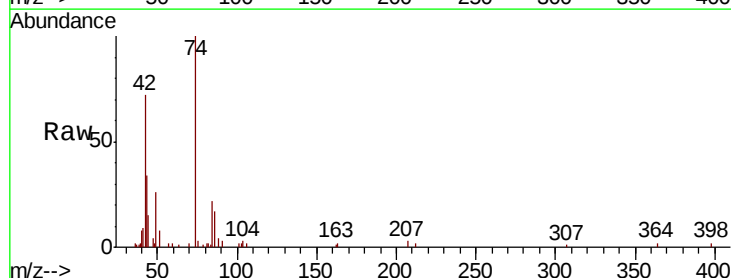
Tgt Ion: 42 Resp: 15008

Ion Ratio Lower Upper

42 100

74 138.9 131.9 197.9

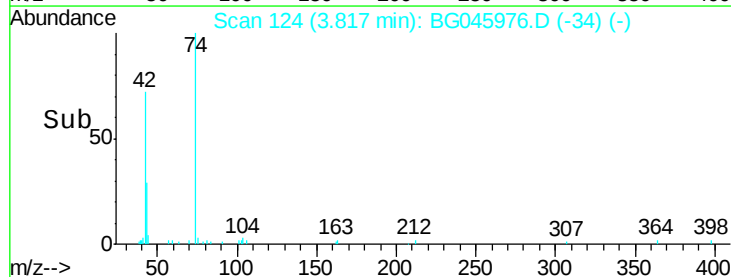
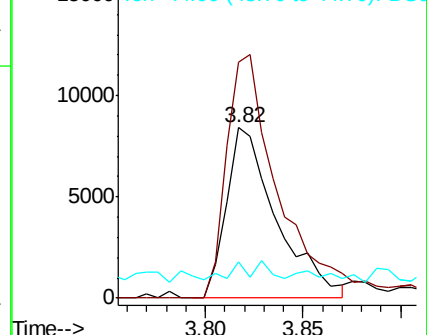
44 21.0 7.7 11.5#

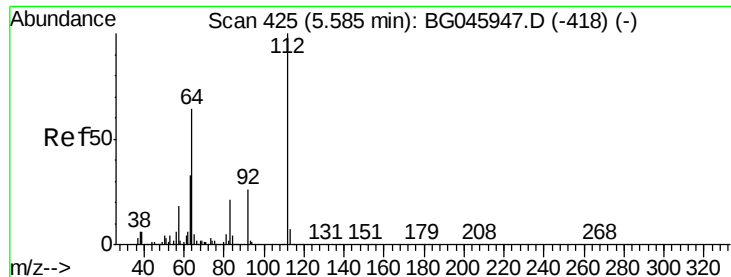


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 134.519 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

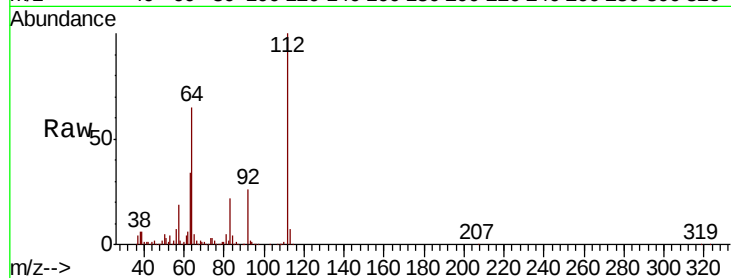
Tot Ion:112 Resp: 1160291

Ion Ratio Lower Upper

112 100

64 64.6 51.4 77.2

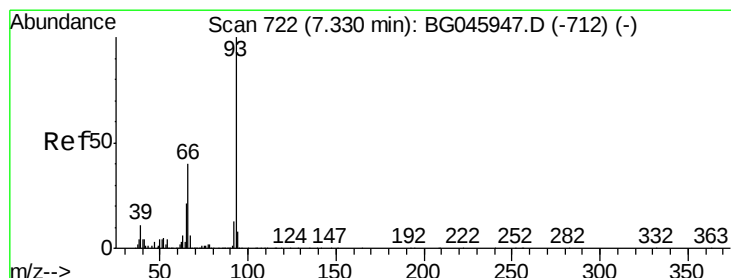
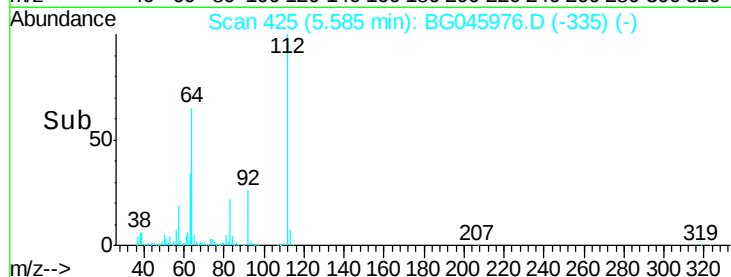
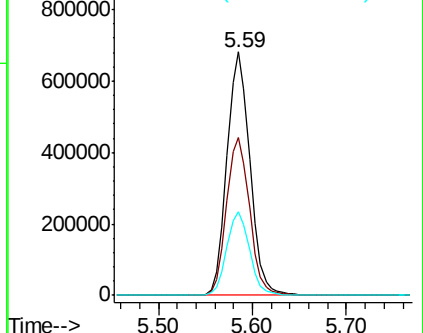
63 34.4 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 3.793 ng

RT: 7.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

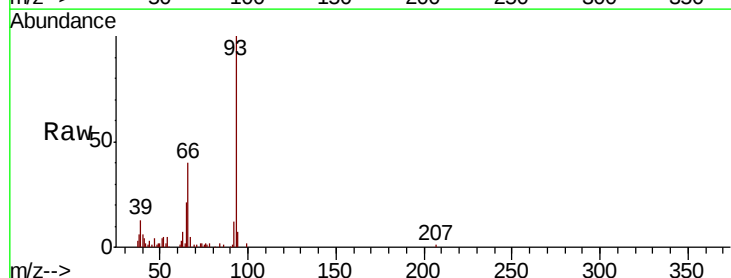
Tgt Ion: 93 Resp: 60252

Ion Ratio Lower Upper

93 100

66 39.6 32.3 48.5

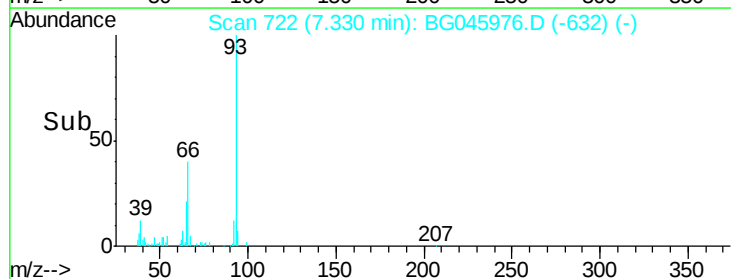
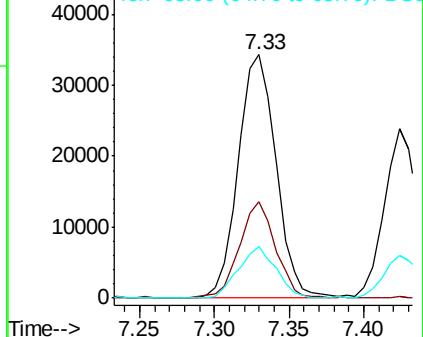
65 21.3 16.6 25.0

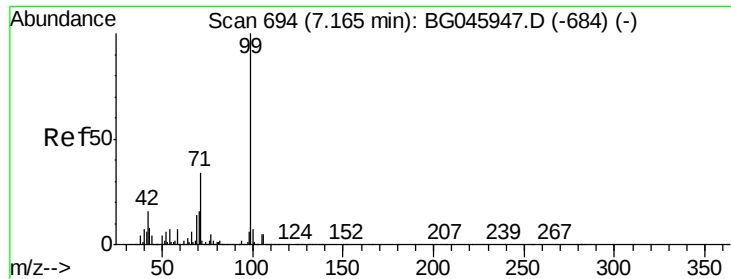


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 130.897 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

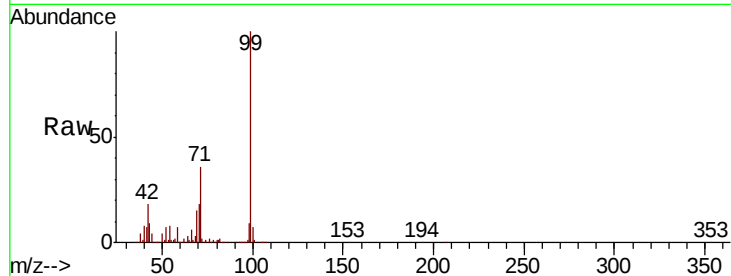
Tot Ion: 99 Resp: 1625500

Ion Ratio Lower Upper

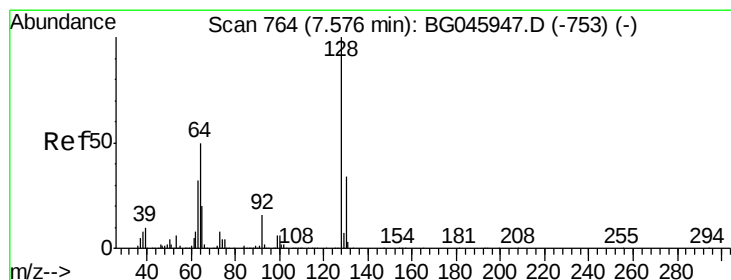
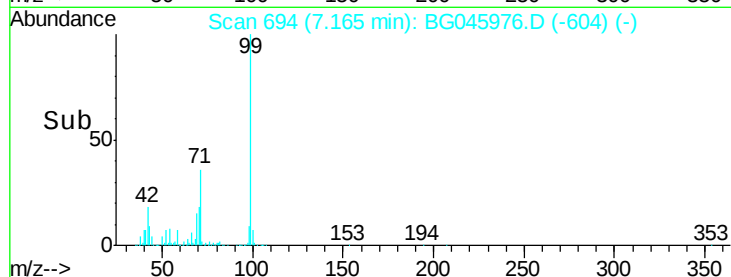
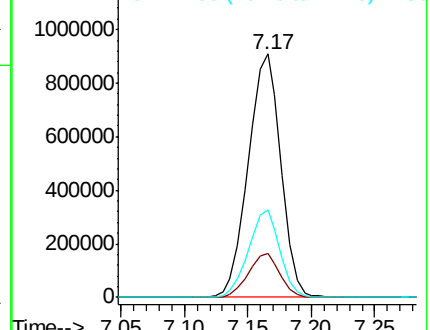
99 100

42 18.2 13.0 19.4

71 35.8 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: 3.774 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

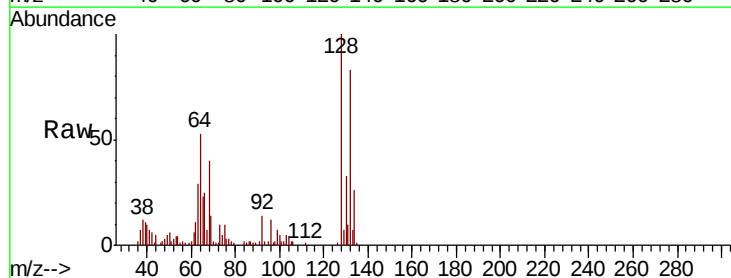
Tgt Ion:128 Resp: 35039

Ion Ratio Lower Upper

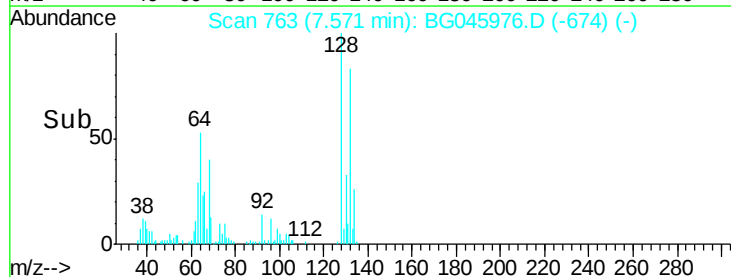
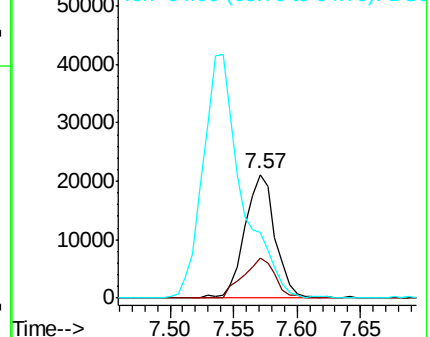
128 100

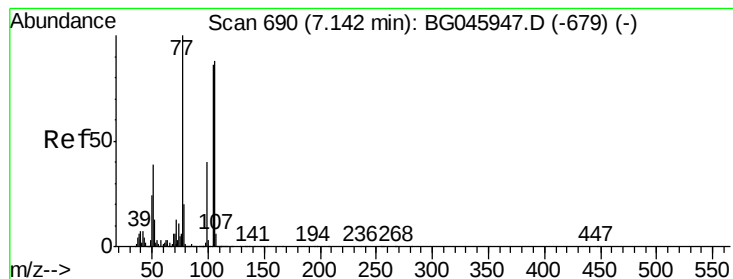
130 32.6 13.6 53.6

64 52.9 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: 5.212 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

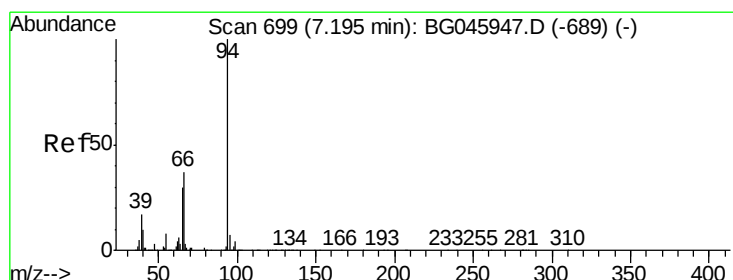
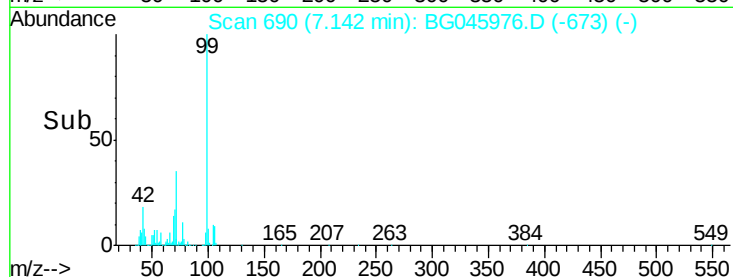
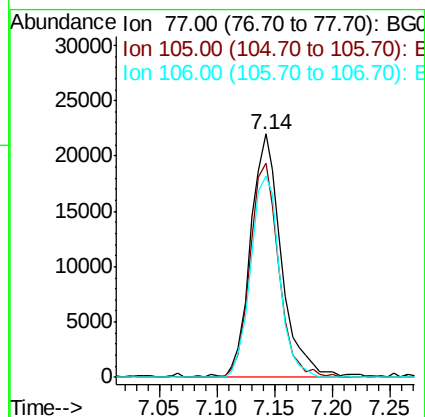
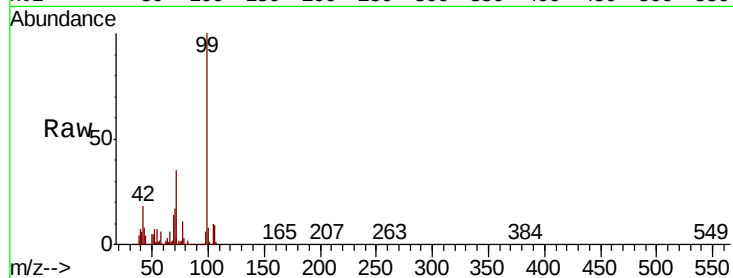
Tot Ion: 77 Resp: 41004

Ion Ratio Lower Upper

77 100

105 87.7 66.0 106.0

106 82.7 67.7 107.7



#10

Phenol

Concen: 3.679 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

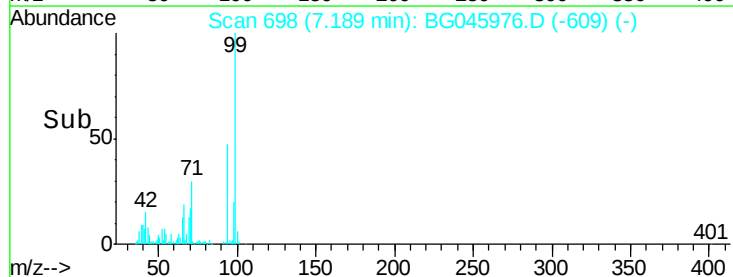
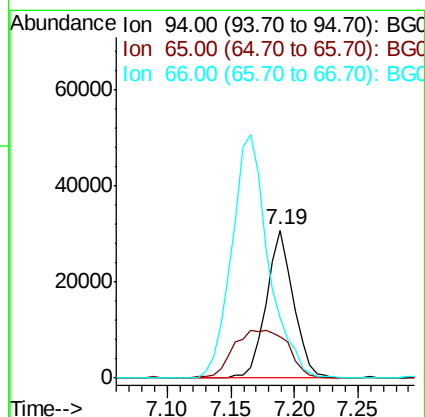
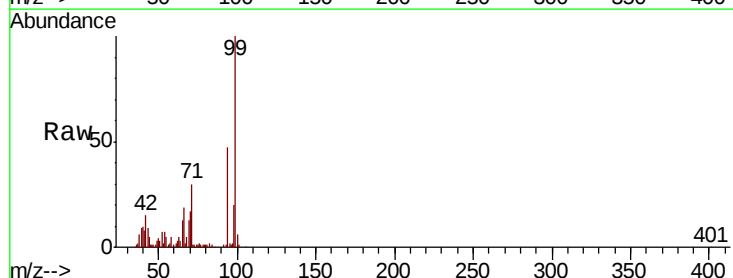
Tgt Ion: 94 Resp: 45832

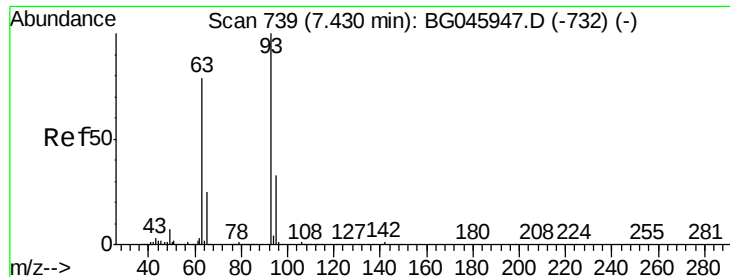
Ion Ratio Lower Upper

94 100

65 27.7 10.6 50.6

66 41.4 17.1 57.1

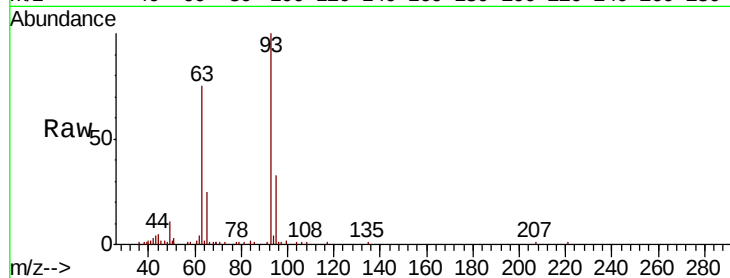




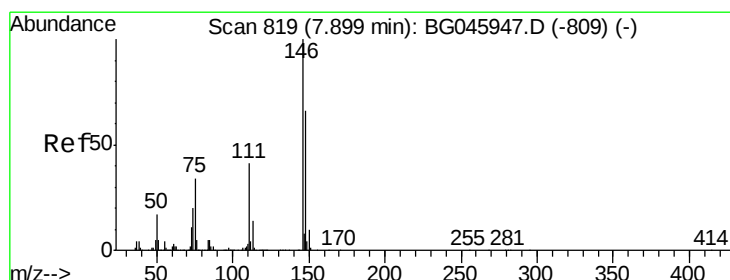
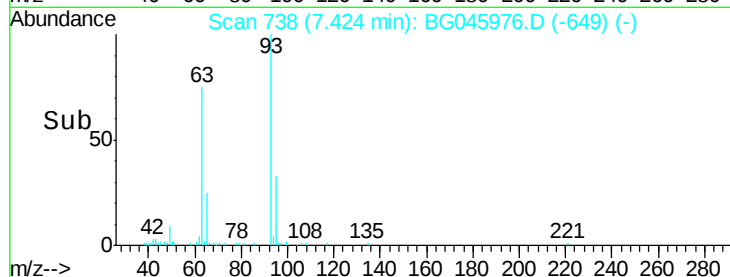
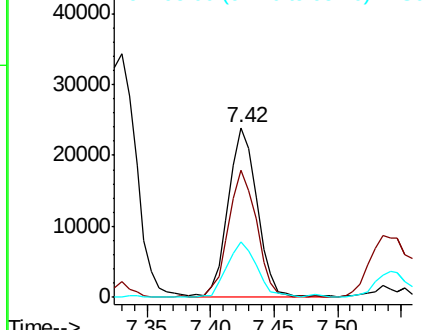
#11
bis(2-Chloroethyl)ether
Concen: 3.700 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:	93	Resp:	38113
Ion	Ratio	Lower	Upper
93	100		
63	74.7	58.6	98.6
95	32.6	13.3	53.3

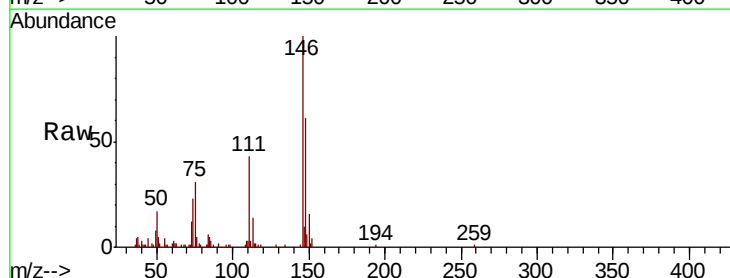


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

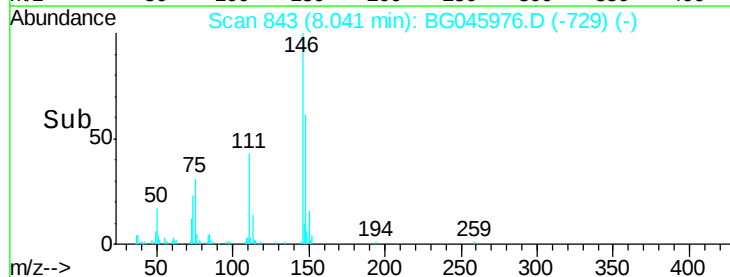
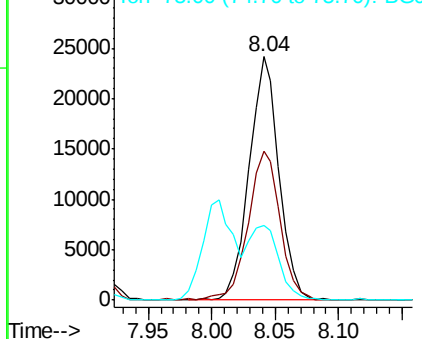


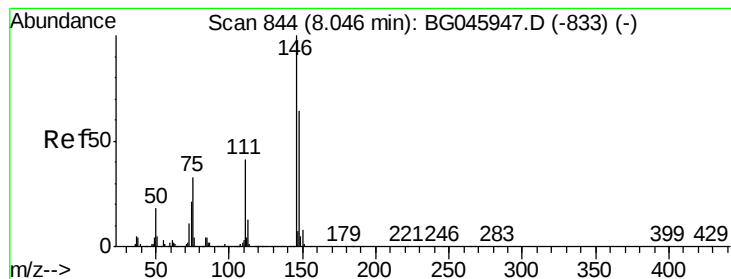
#12
1,3-Dichlorobenzene
Concen: 3.680 ng
RT: 8.04 min Scan# 843
Delta R.T. 0.14 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:	146	Resp:	39389
Ion	Ratio	Lower	Upper
146	100		
148	61.1	52.8	79.2
75	30.8	27.2	40.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BGC





#13

1,4-Dichlorobenzene

Concen: 3.741 ng

RT: 8.04 min Scan# 843

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

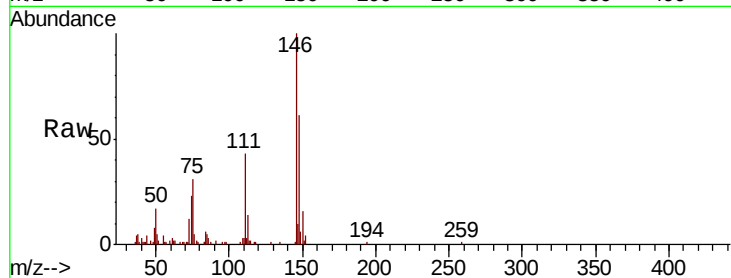
Tot Ion:146 Resp: 39389

Ion Ratio Lower Upper

146 100

148 61.1 51.7 77.5

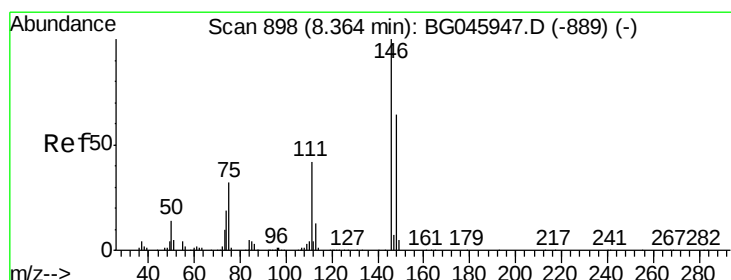
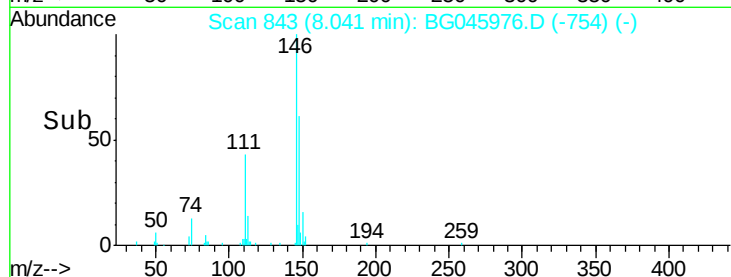
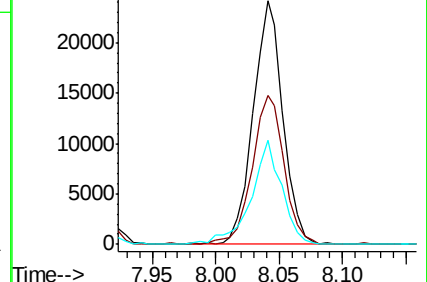
111 42.6 33.3 49.9



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: 3.460 ng

RT: 8.36 min Scan# 898

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

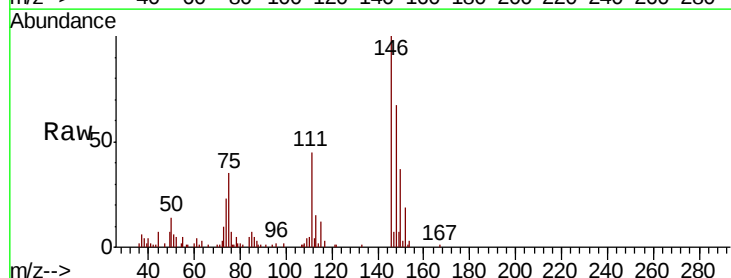
Tgt Ion:146 Resp: 35063

Ion Ratio Lower Upper

146 100

148 67.1 51.6 77.4

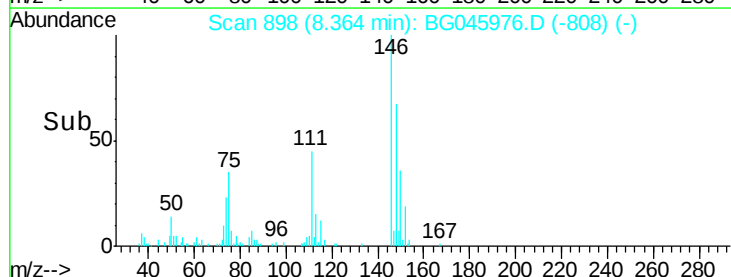
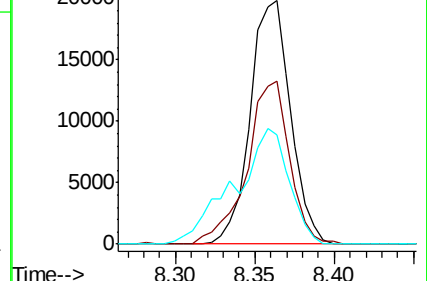
111 45.0 34.0 51.0

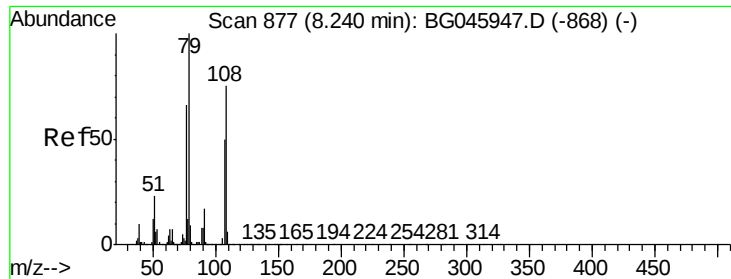


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.359 ng

RT: 8.23 min Scan# 876

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

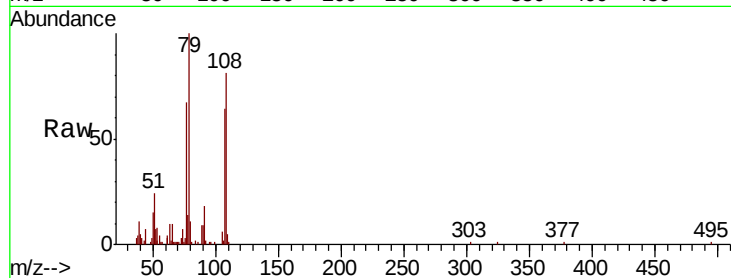
Tot Ion: 79 Resp: 32703

Ion Ratio Lower Upper

79 100

108 80.7 60.2 90.4

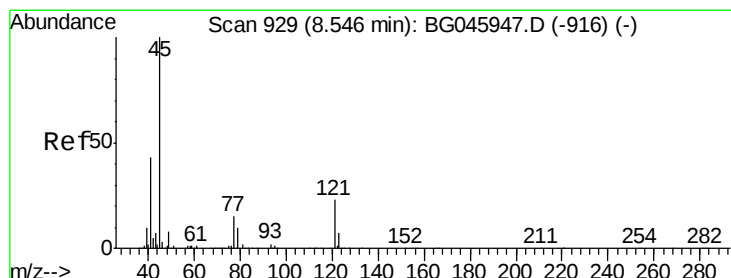
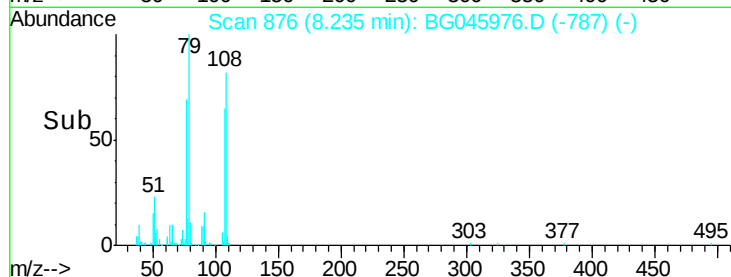
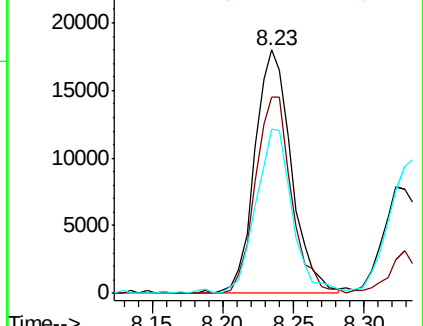
77 67.4 52.9 79.3



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.531 ng

RT: 8.53 min Scan# 927

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

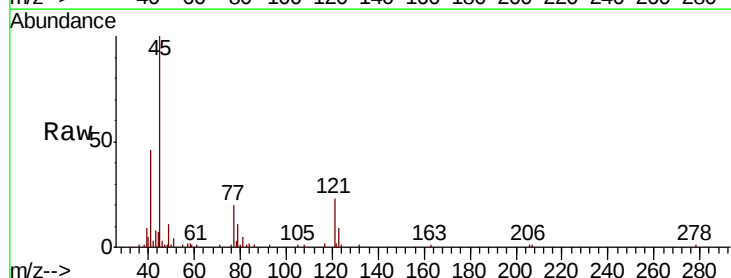
Tgt Ion: 45 Resp: 47451

Ion Ratio Lower Upper

45 100

77 19.8 0.0 37.6

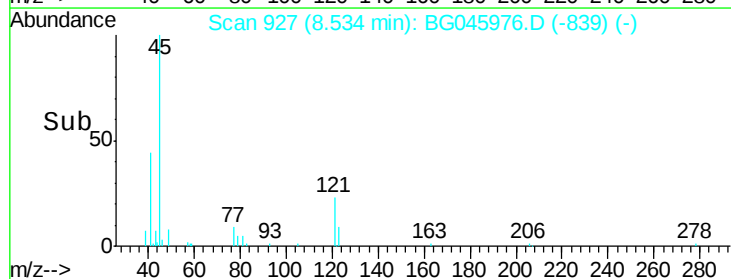
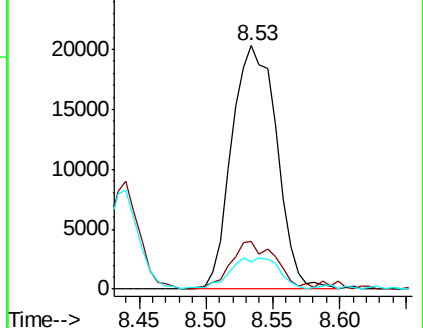
79 11.0 0.0 32.6

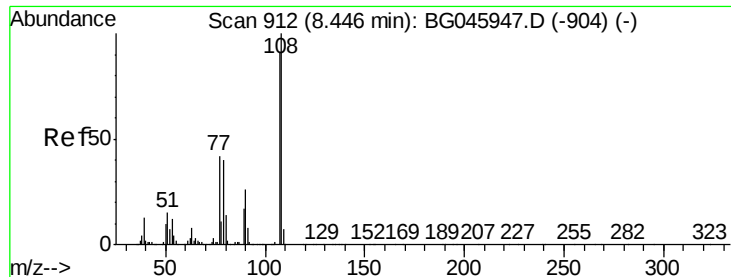


Abundance Ion 45.00 (44.70 to 45.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#17

2-Methylphenol

Concen: 3.249 ng

RT: 8.44 min Scan# 911

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:107 Resp: 30364

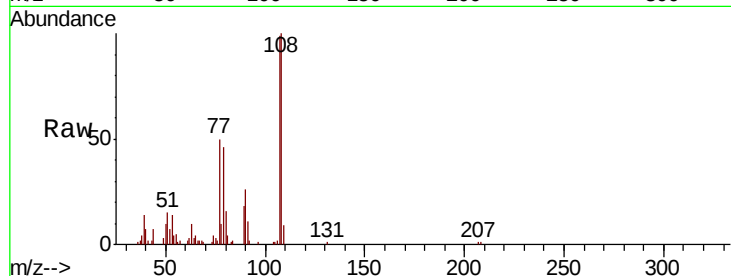
Ion Ratio Lower Upper

107 100

108 100.8 88.2 132.4

77 50.3 37.0 55.4

79 46.1 35.4 53.0

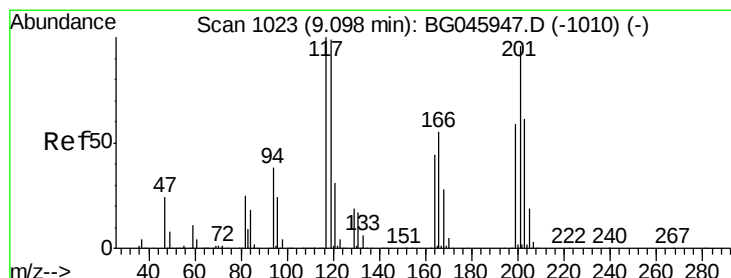
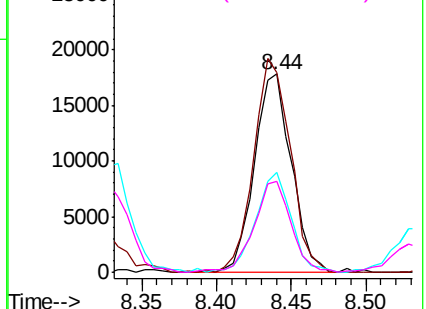
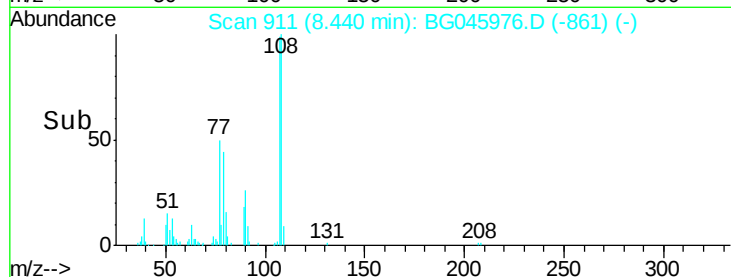


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 3.538 ng

RT: 9.09 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

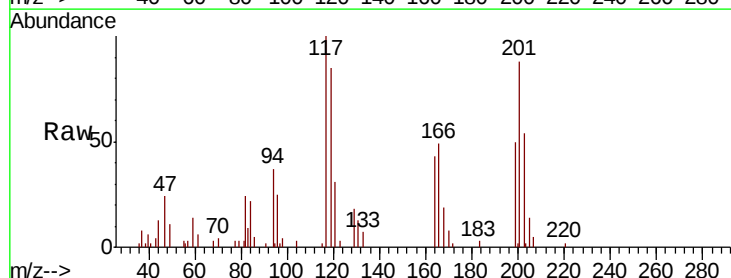
Tgt Ion:117 Resp: 14331

Ion Ratio Lower Upper

117 100

119 85.2 79.5 119.3

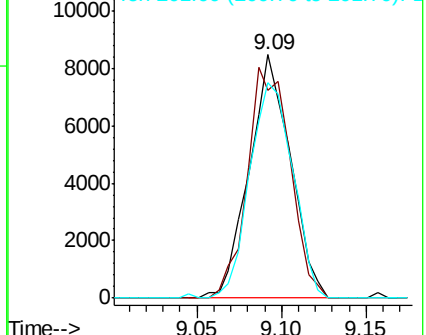
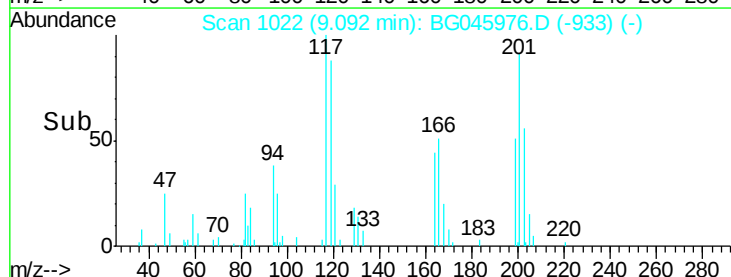
201 88.3 77.0 115.4

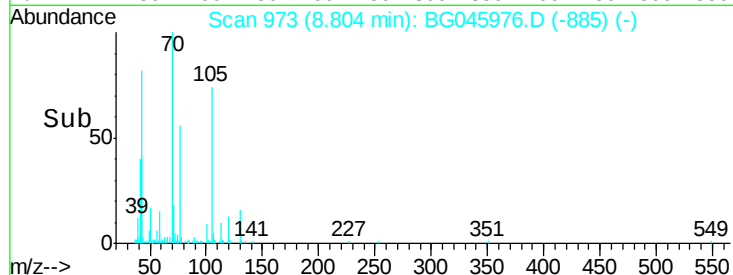
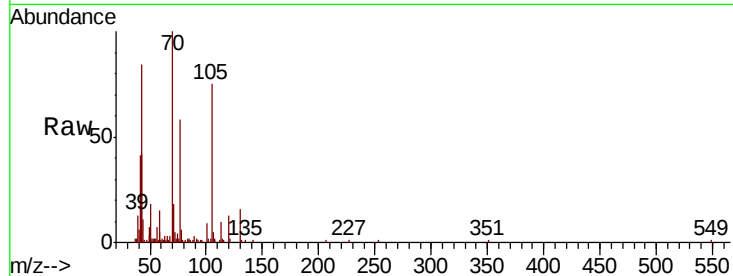
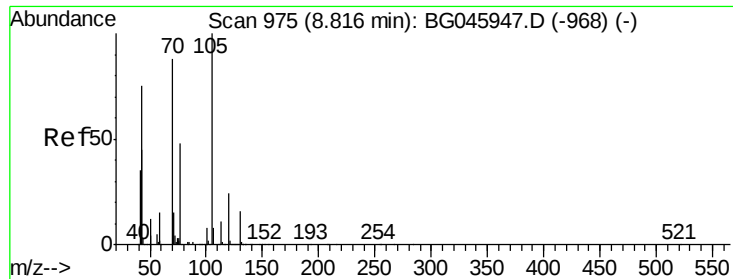


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

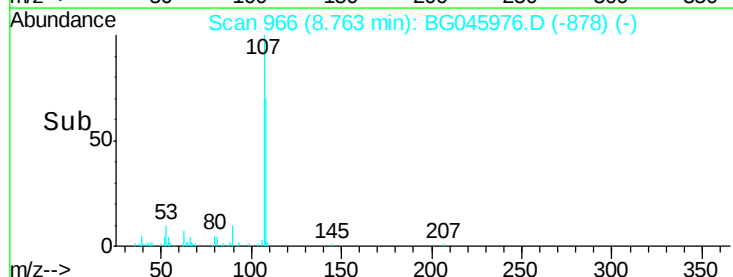
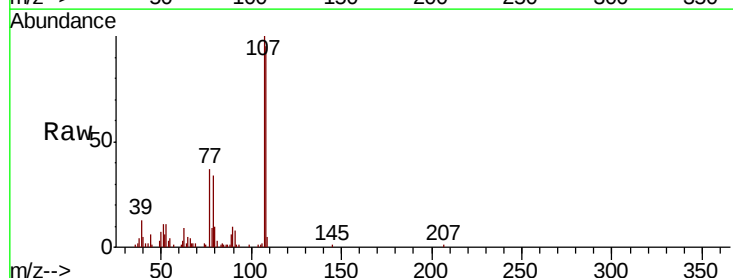
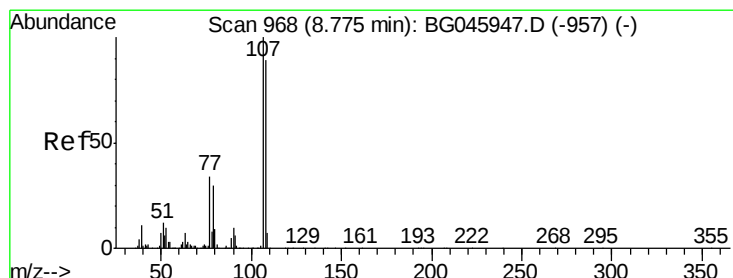
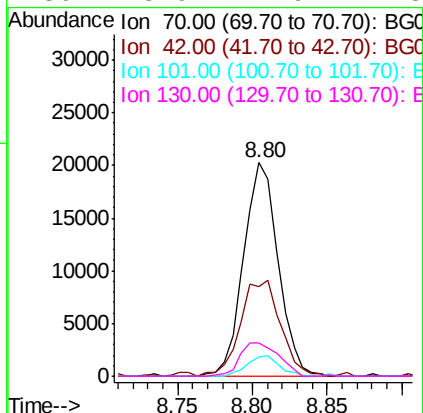




#19
n-Nitroso-di-n-propylamine
Concen: 3.717 ng
RT: 8.80 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

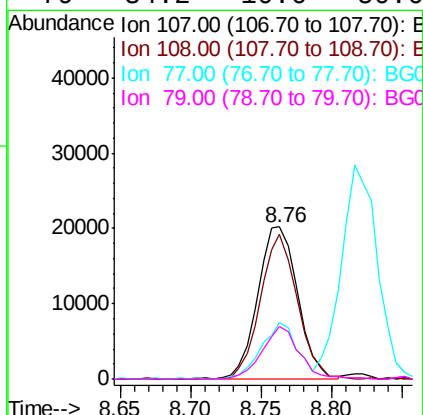
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

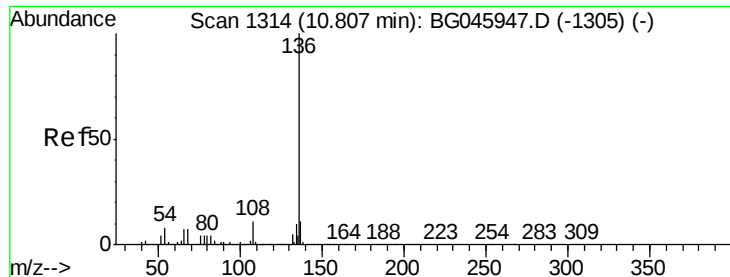
Tot Ion:	70	Resp:	32428
Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.4	62.0
101	9.1	7.1	10.7
130	15.9	14.9	22.3



#20
3+4-Methylphenols
Concen: 3.145 ng
RT: 8.76 min Scan# 966
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:	107	Resp:	40064
Ion	Ratio	Lower	Upper
107	100		
108	95.2	68.7	108.7
77	37.2	14.6	54.6
79	34.2	10.6	50.6

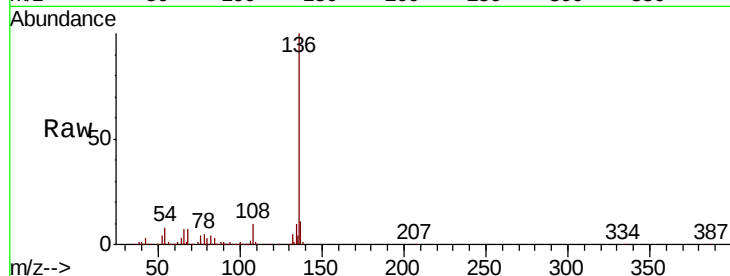




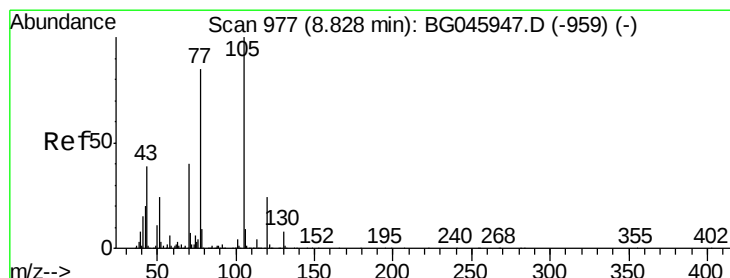
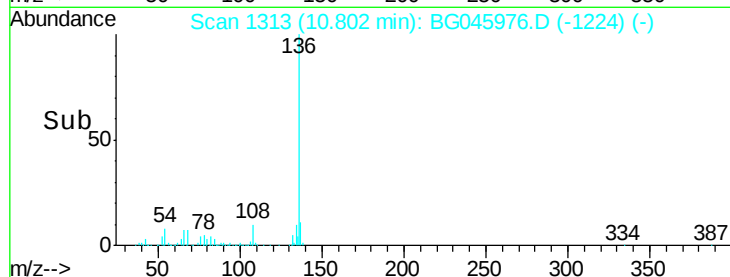
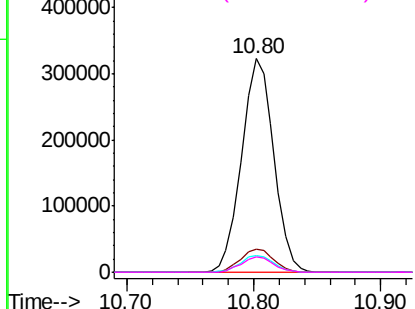
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:136	Resp:	567303	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.2	13.8	
54 8.0	6.2	9.4	
68 7.4	5.8	8.8	

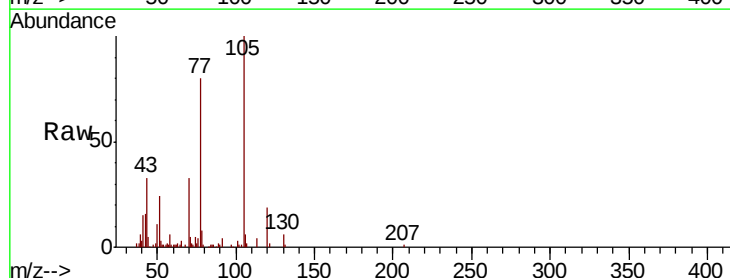


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

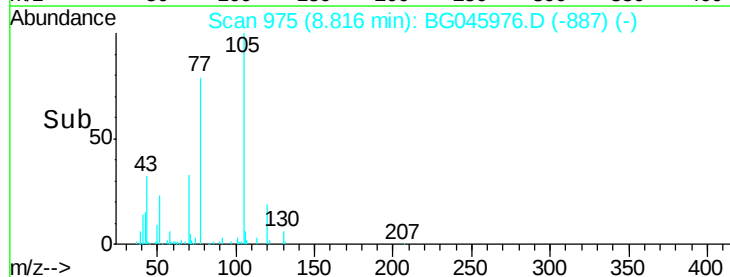
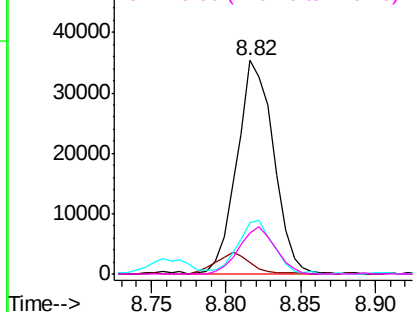


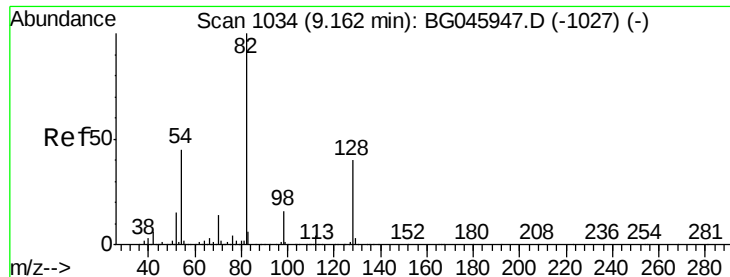
#22
Acetophenone
Concen: 3.984 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt	Ion:105	Resp:	60386
Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.2	9.2#
51	23.8	19.7	29.5
120	19.4	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

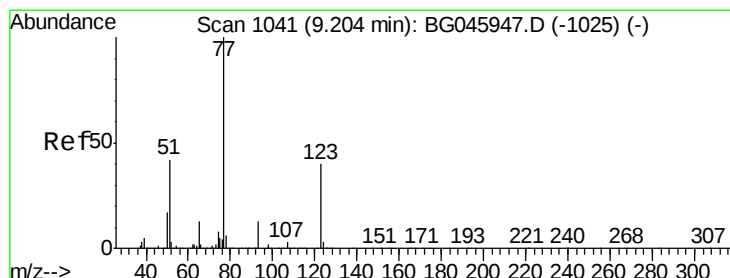
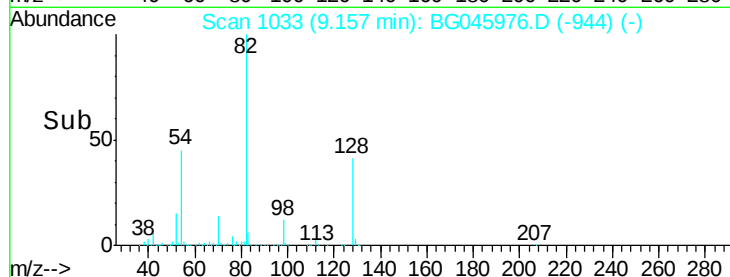
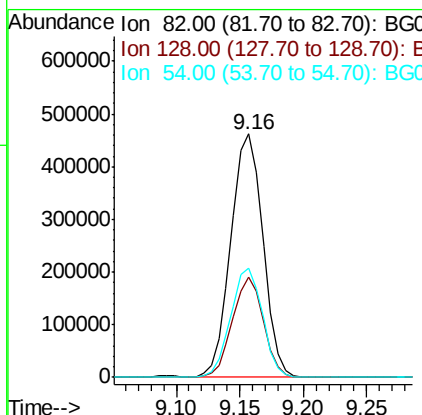
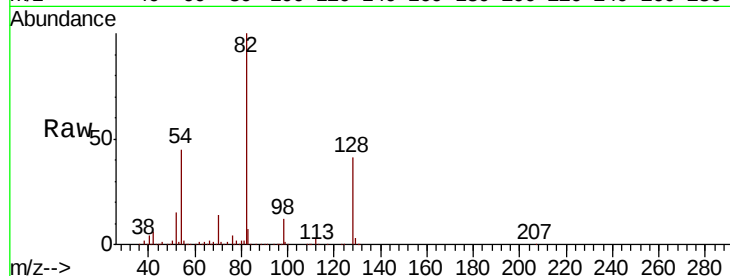




#23
 Nitrobenzene-d5
 Concen: 82.100 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

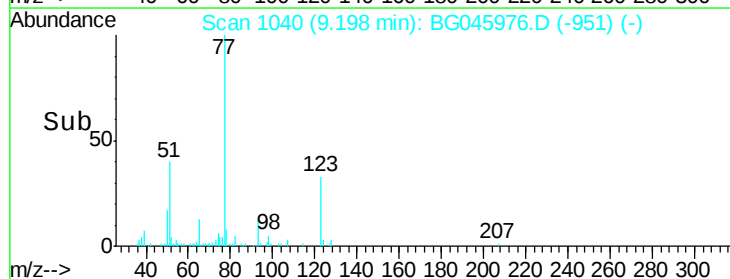
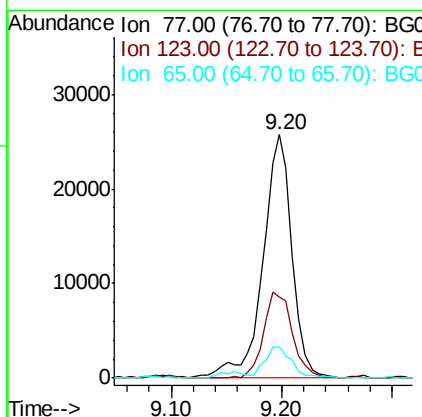
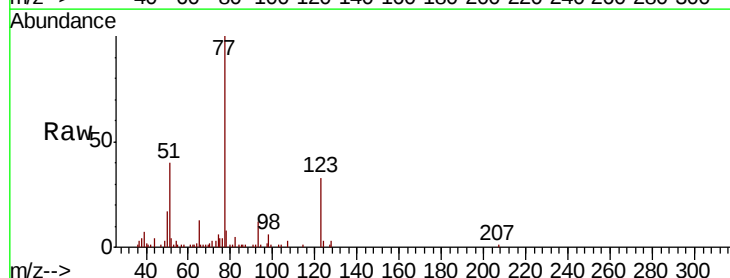
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

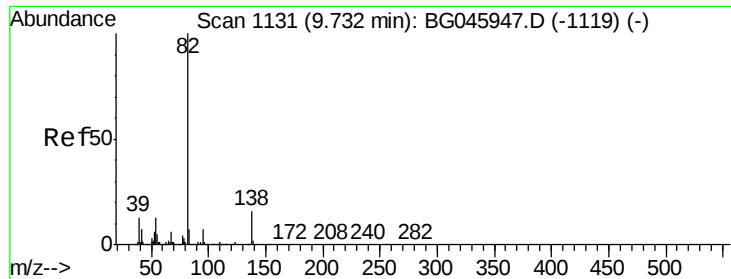
Tot Ion	82	Resp	809193
Ion Ratio	Lower	Upper	
82	100		
128	40.9	32.2	48.4
54	45.1	35.8	53.6



#24
 Nitrobenzene
 Concen: 4.339 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	77	Resp	47199
Ion Ratio	Lower	Upper	
77	100		
123	33.1	32.7	49.1
65	12.6	10.2	15.4





#25

Isophorone

Concen: 3.543 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

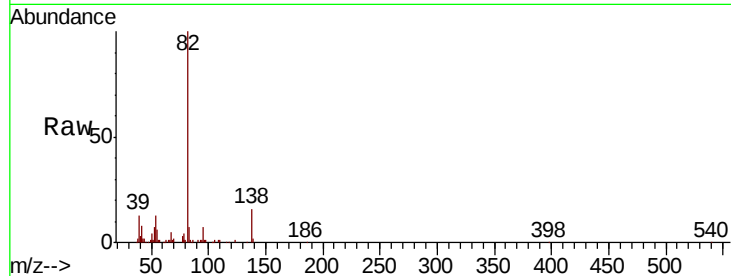
Tot Ion: 82 Resp: 85251

Ion Ratio Lower Upper

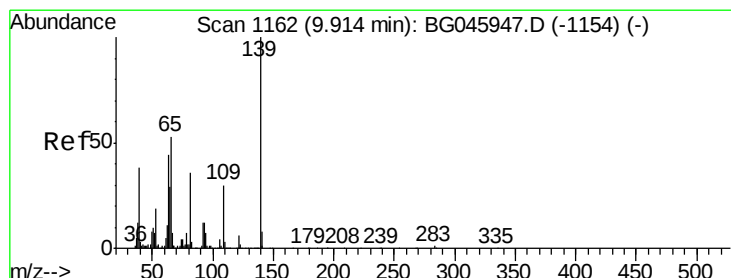
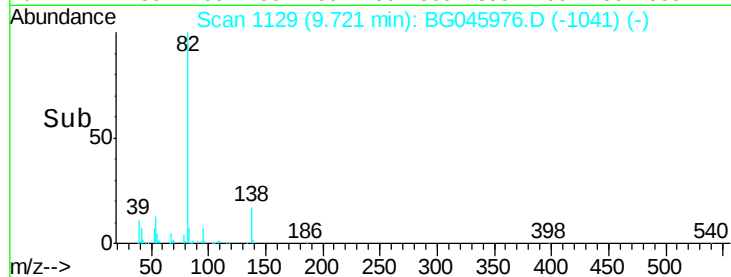
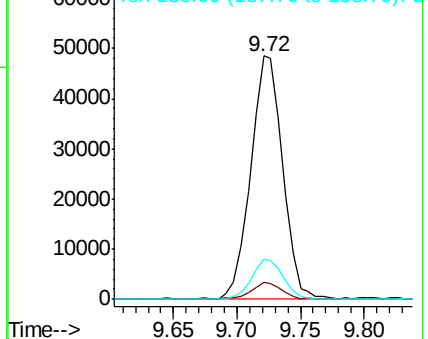
82 100

95 7.2 5.8 8.6

138 16.3 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 3.397 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

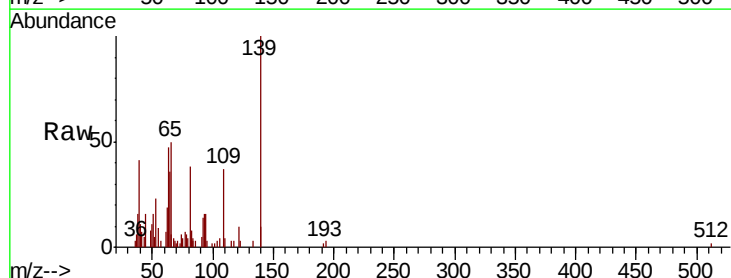
Tgt Ion: 139 Resp: 12044

Ion Ratio Lower Upper

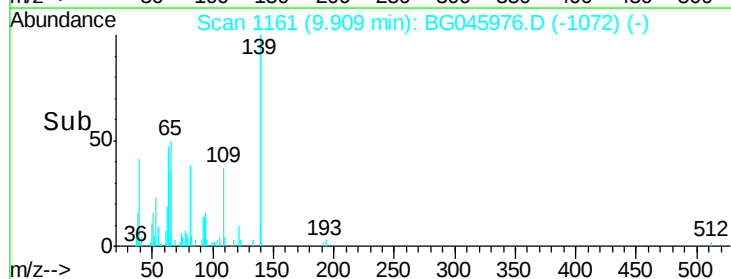
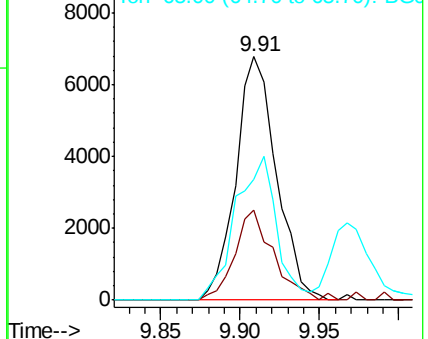
139 100

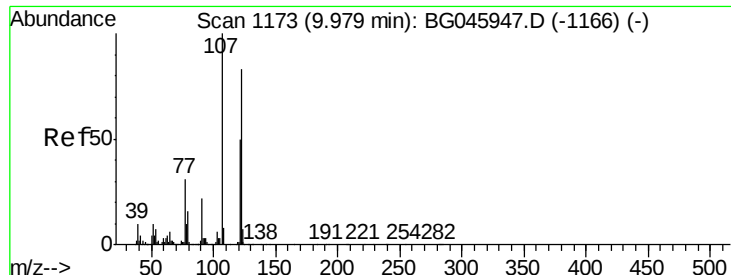
109 37.1 24.6 37.0#

65 49.7 42.6 64.0



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

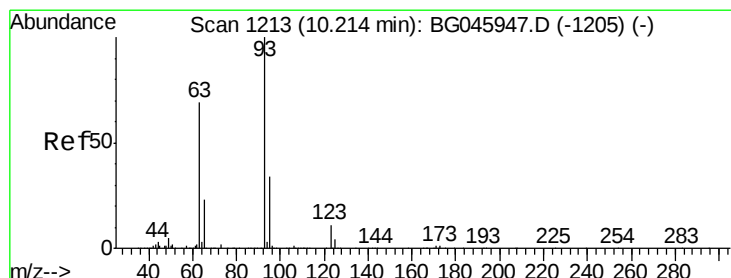
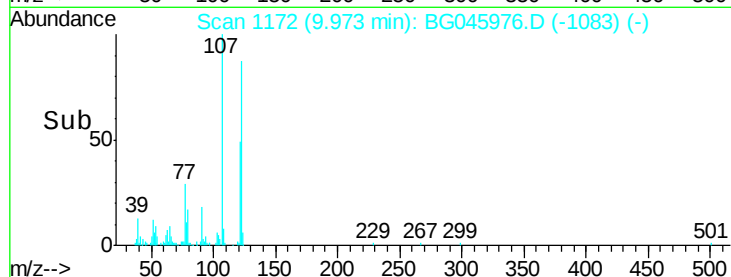
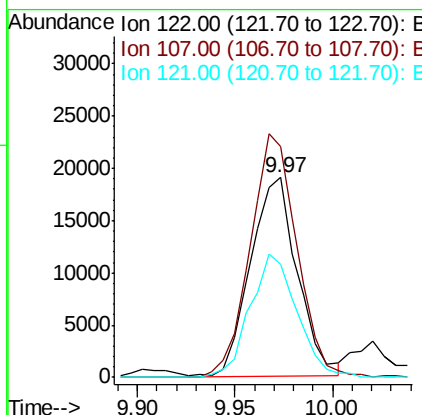
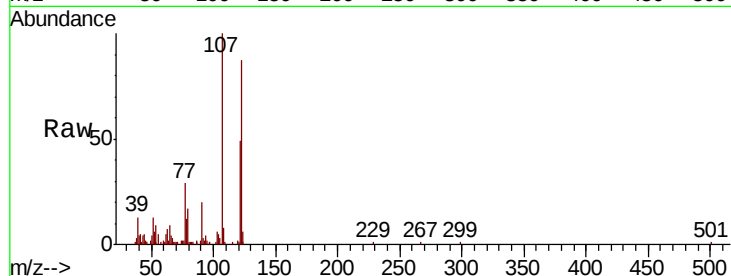




#27
2,4-Dimethylphenol
Concen: 3.698 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

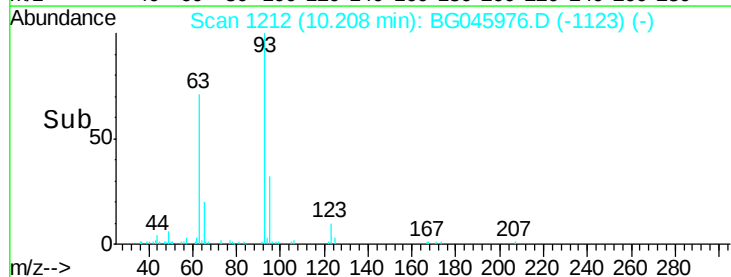
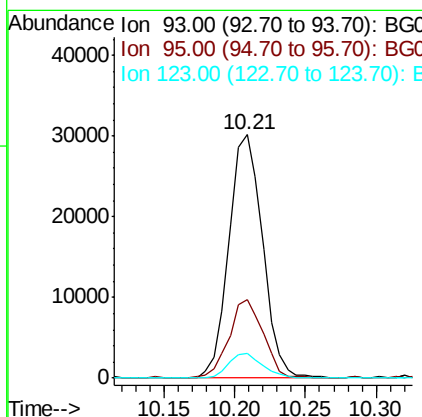
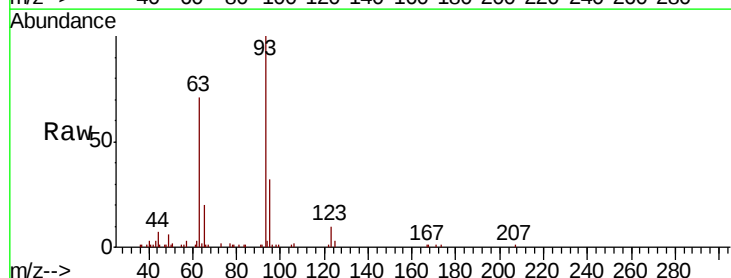
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

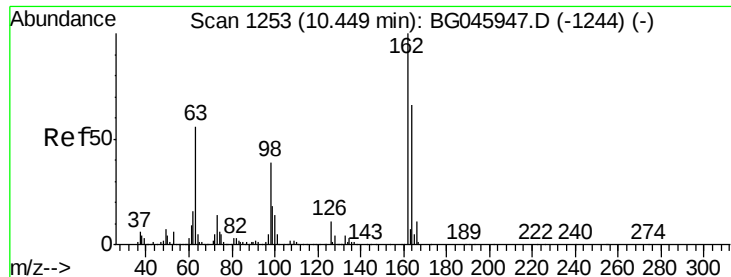
Tot Ion:122 Resp: 31671
Ion Ratio Lower Upper
122 100
107 115.5 95.6 143.4
121 56.5 47.7 71.5



#28
bis(2-Chloroethoxy)methane
Concen: 3.711 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion: 93 Resp: 50139
Ion Ratio Lower Upper
93 100
95 32.3 27.5 41.3
123 10.3 9.2 13.8

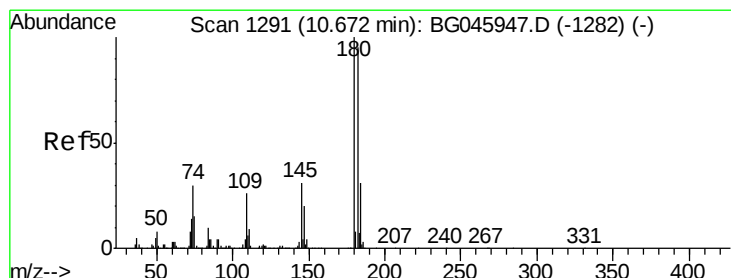
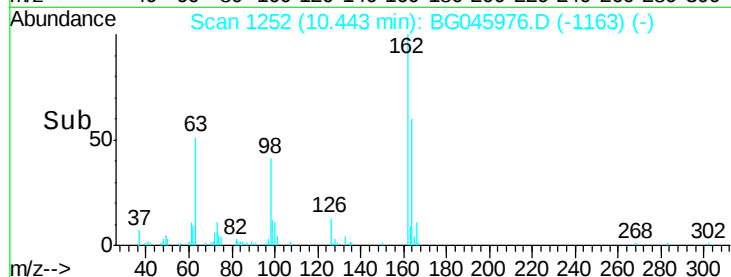
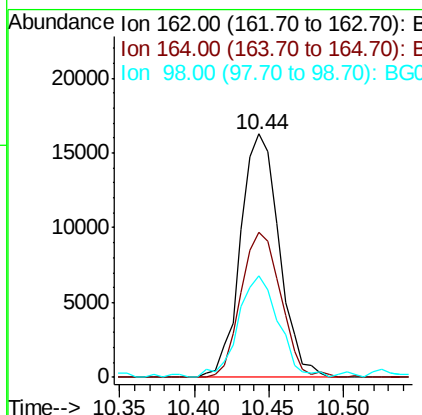
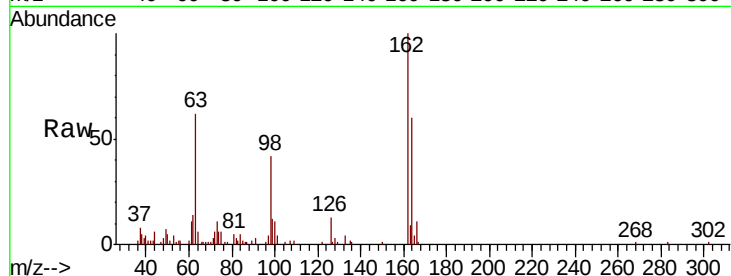




#29
 2,4-Dichlorophenol
 Concen: 3.281 ng
 RT: 10.44 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

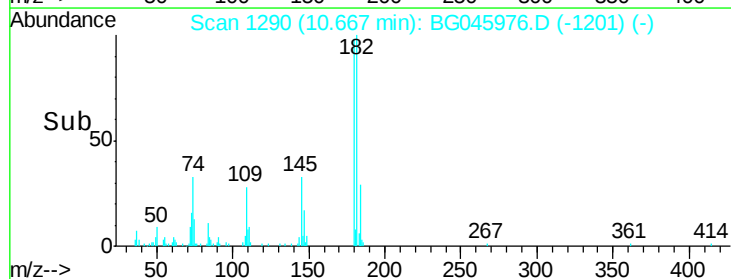
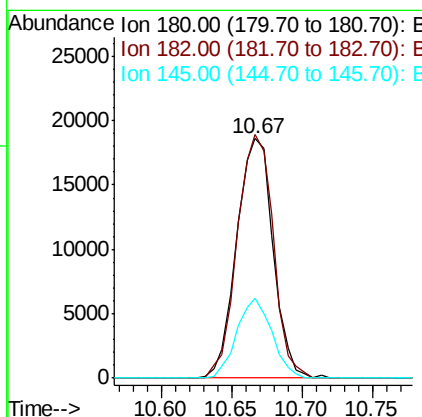
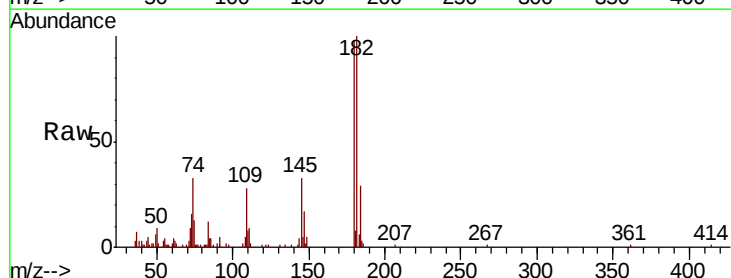
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

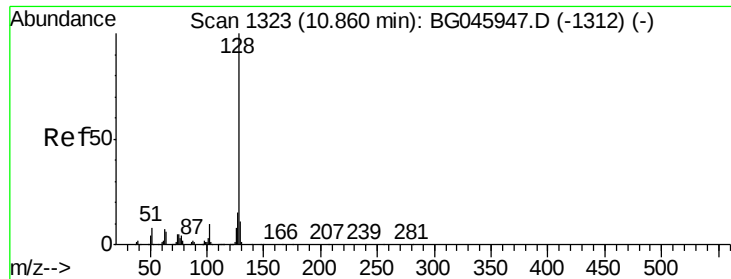
Tot Ion	Ratio	Lower	Upper
162	100		
164	59.5	46.0	86.0
98	41.7	19.2	59.2



#30
 1,2,4-Trichlorobenzene
 Concen: 3.416 ng
 RT: 10.67 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.8	76.3	114.5
145	33.4	24.8	37.2

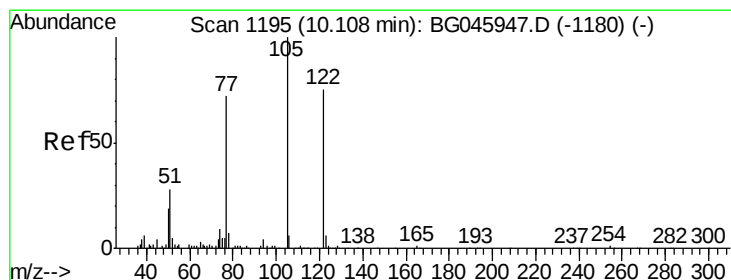
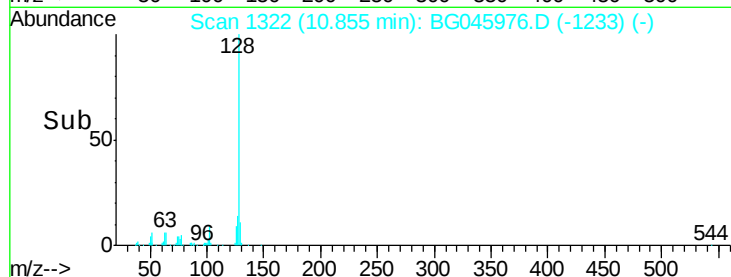
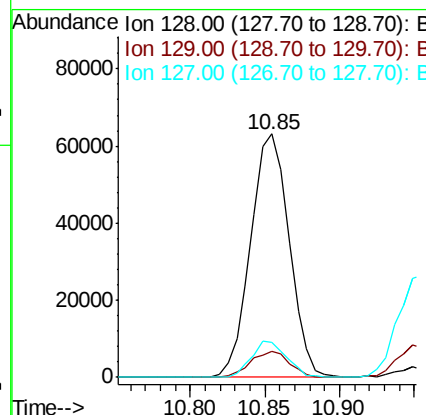
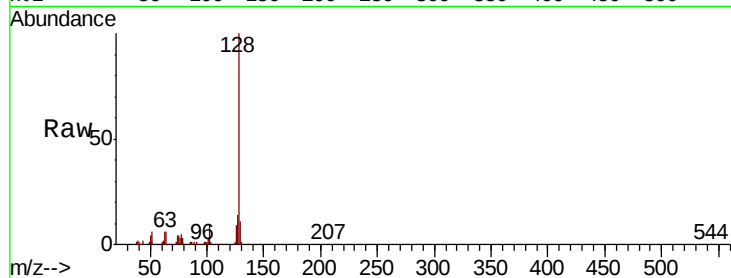




#31
Naphthalene
Concen: 3.703 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

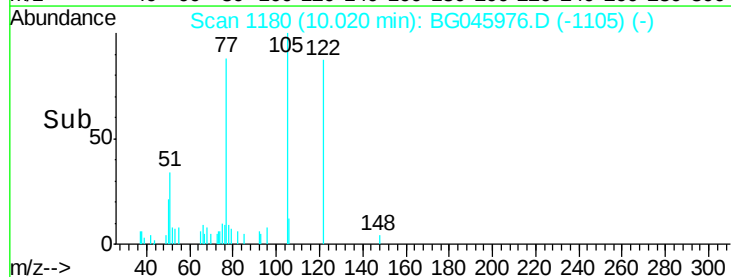
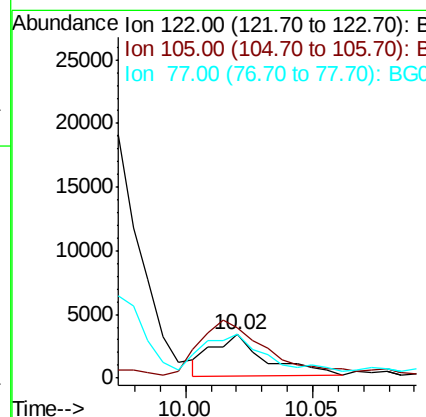
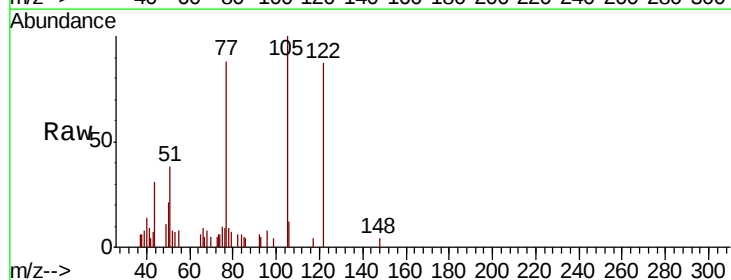
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

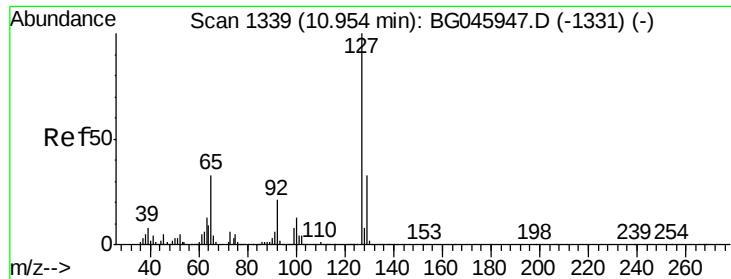
Tot Ion:128 Resp: 112605
Ion Ratio Lower Upper
128 100
129 10.5 9.2 13.8
127 14.3 11.8 17.6



#32
Benzoic acid
Concen: 1.028 ng
RT: 10.02 min Scan# 1180
Delta R.T. -0.09 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:122 Resp: 4766
Ion Ratio Lower Upper
122 100
105 114.9 110.8 150.8
77 101.1 76.4 116.4

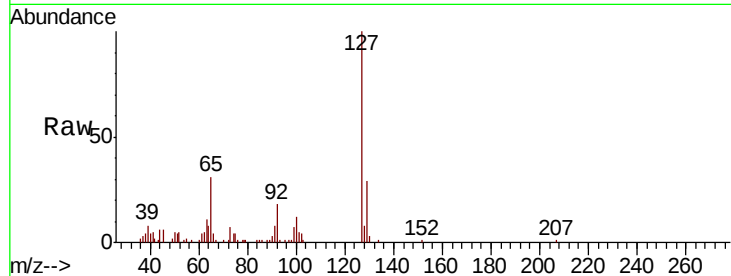




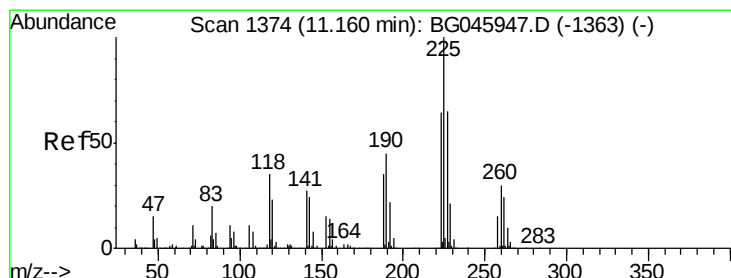
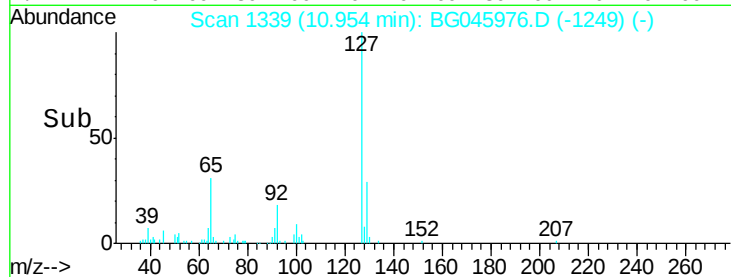
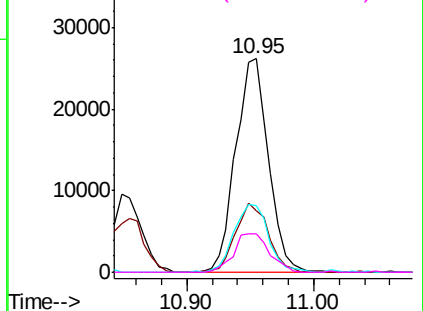
#33
4-Chloroaniline
Concen: 3.441 ng
RT: 10.95 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:127	Resp:	46764
Ion Ratio	Lower	Upper
127	100	
129	28.9	26.6 39.8
65	31.0	26.8 40.2
92	18.1	17.0 25.4

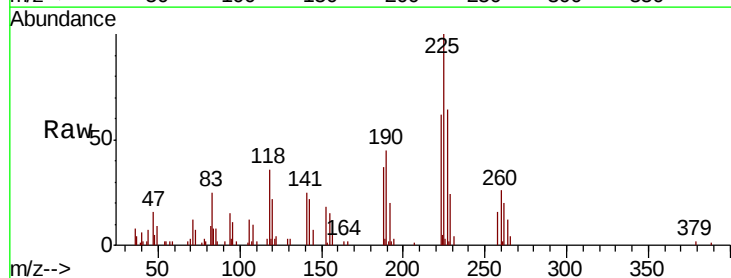


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

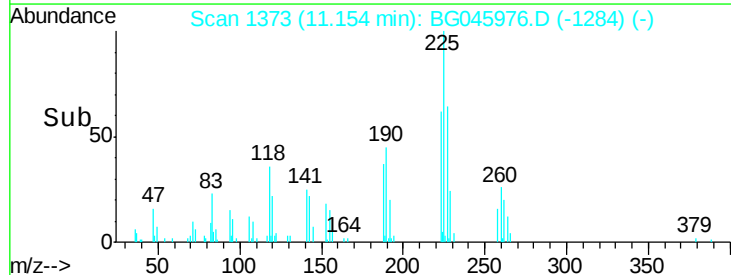
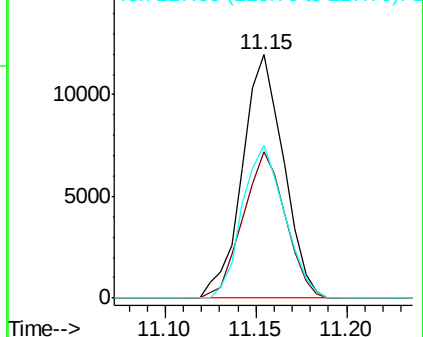


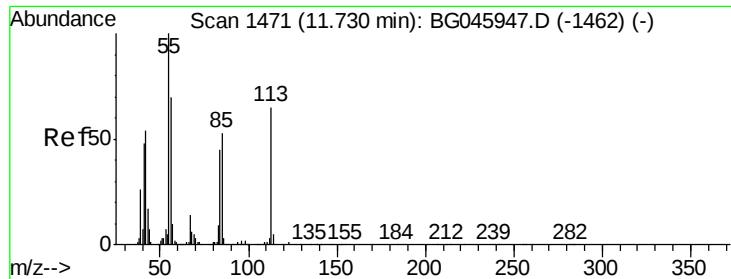
#34
Hexachlorobutadiene
Concen: 3.326 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:225	Resp:	19080
Ion Ratio	Lower	Upper
225	100	
223	60.1	51.2 76.8
227	62.5	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

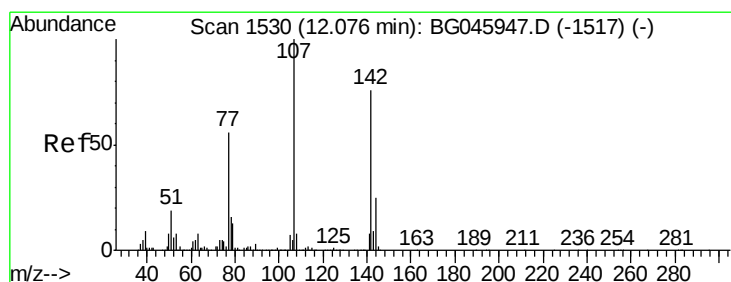
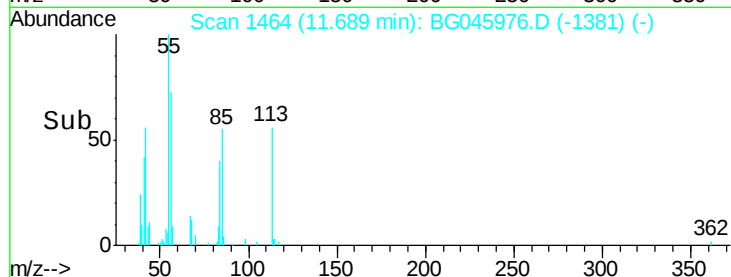
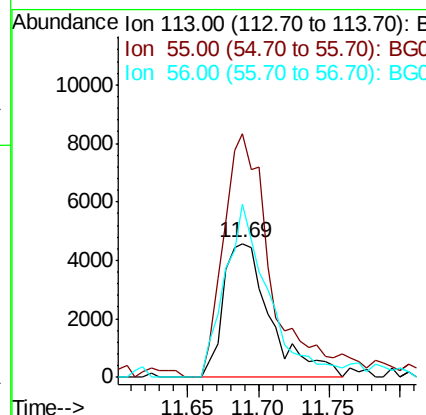
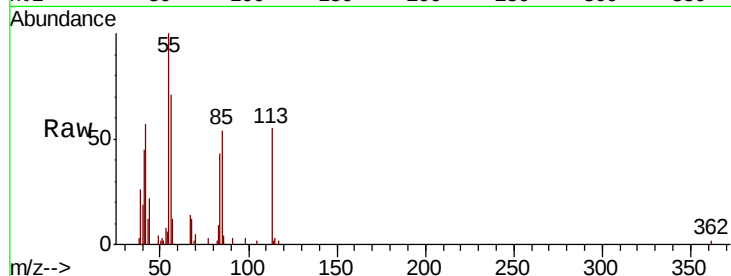




#35
Caprolactam
Concen: 3.178 ng
RT: 11.69 min Scan# 1464
Delta R.T. -0.04 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

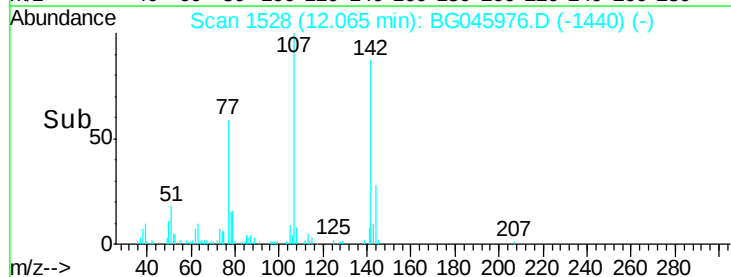
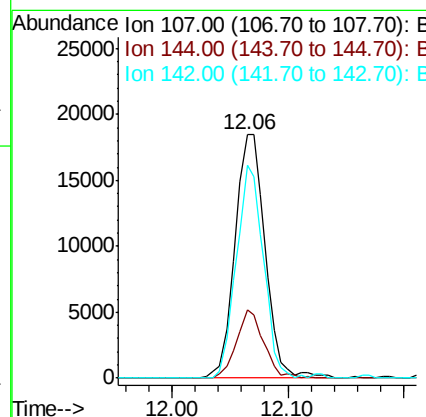
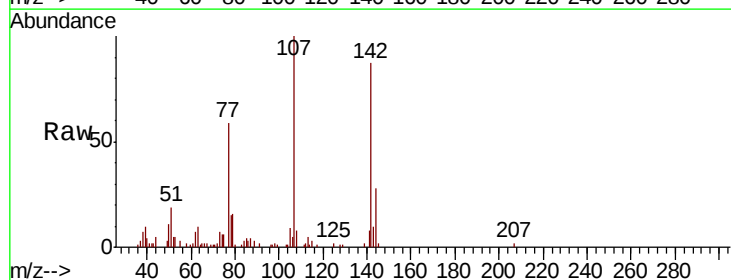
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

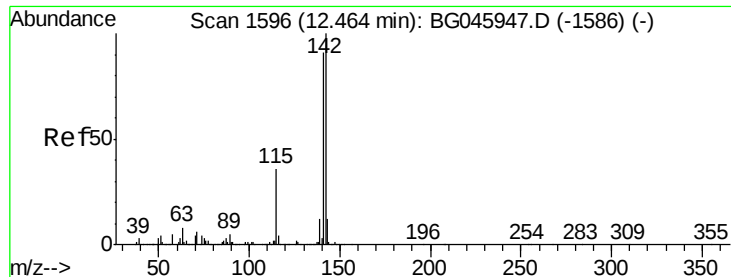
Tot Ion:113 Resp: 10698
Ion Ratio Lower Upper
113 100
55 181.7 141.6 181.6#
56 129.6 89.6 129.6#



#36
4-Chloro-3-methylphenol
Concen: 3.309 ng
RT: 12.06 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:107 Resp: 33413
Ion Ratio Lower Upper
107 100
144 28.3 20.0 30.0
142 87.2 61.1 91.7





#37

2-Methylnaphthalene

Concen: 3.763 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

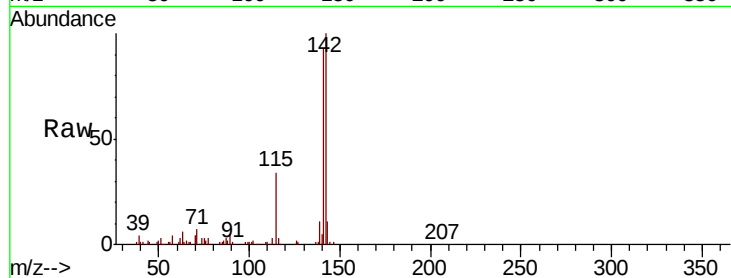
Tot Ion:142 Resp: 81360

Ion Ratio Lower Upper

142 100

141 93.0 73.0 109.6

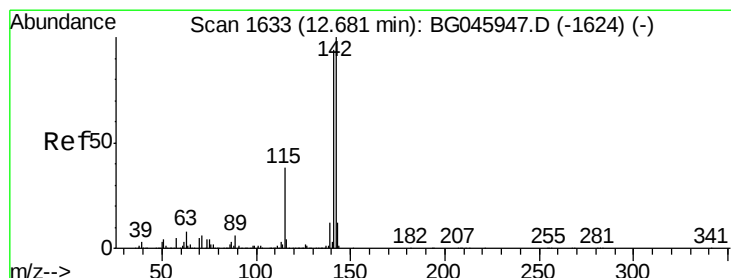
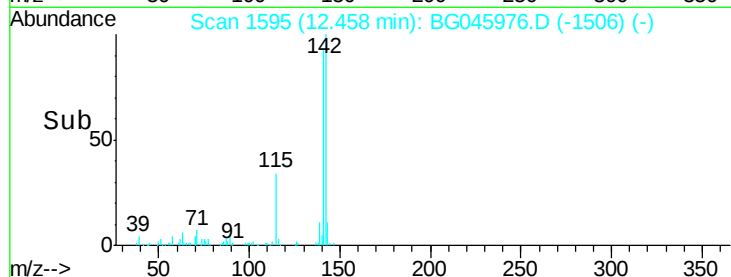
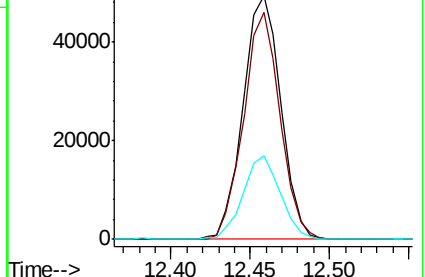
115 34.1 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.988 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.22 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

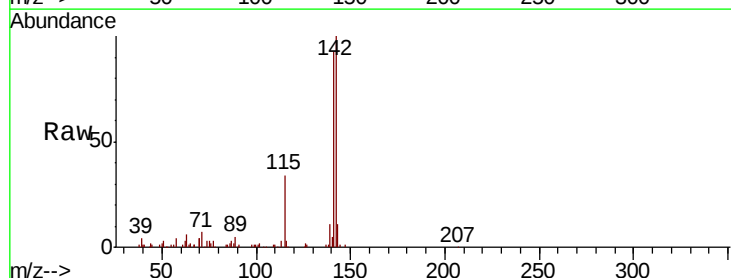
Tgt Ion:142 Resp: 81360

Ion Ratio Lower Upper

142 100

141 93.0 75.2 112.8

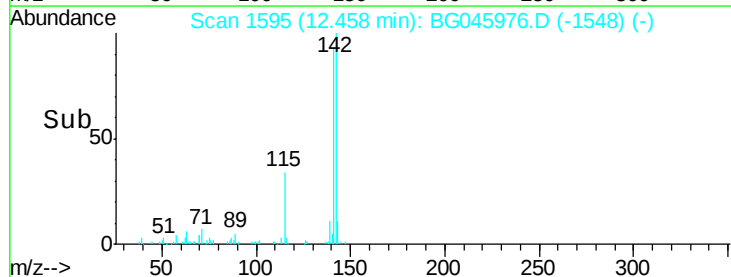
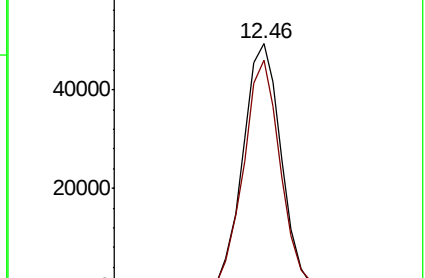
116 3.3 3.1 4.7

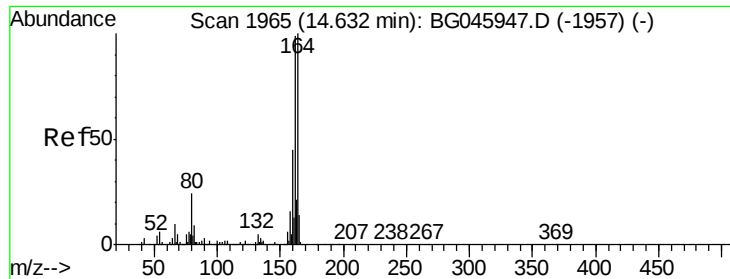


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

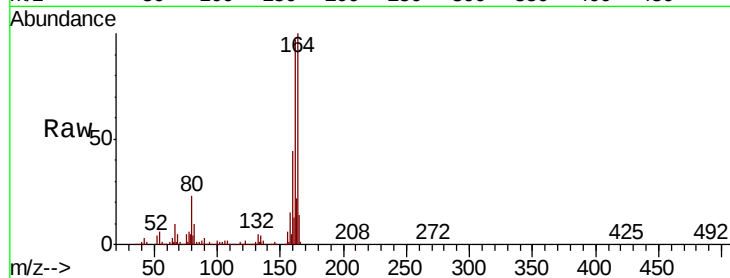
Tot Ion:164 Resp: 337420

Ion Ratio Lower Upper

164 100

162 97.0 79.3 118.9

160 43.8 35.7 53.5

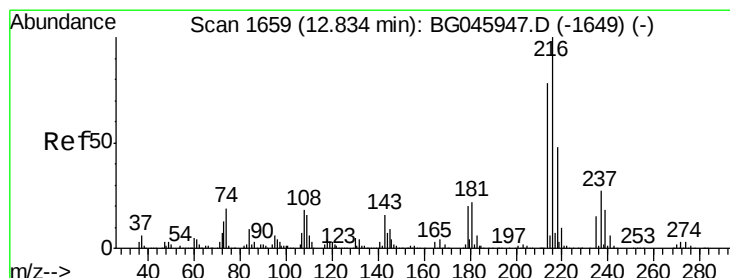
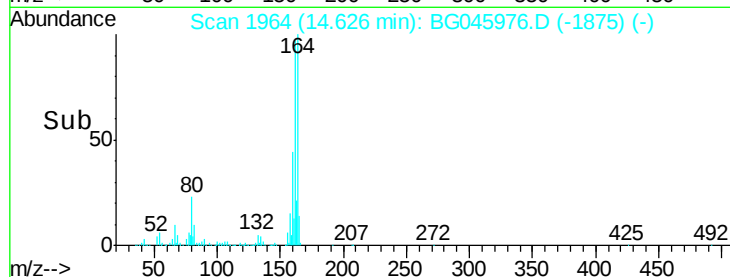
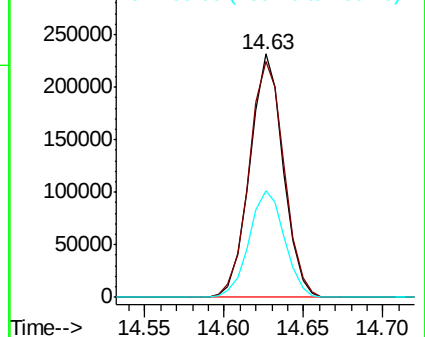


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.850 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:216 Resp: 36616

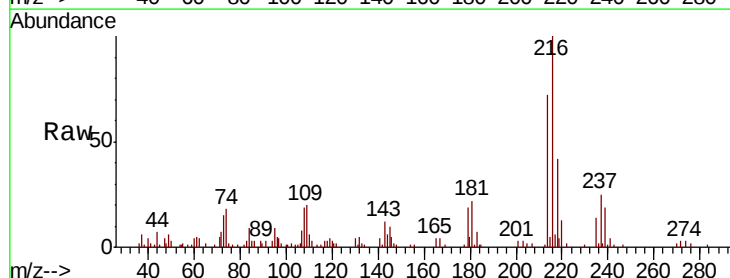
Ion Ratio Lower Upper

216 100

214 78.3 63.0 94.4

179 22.2 17.0 25.6

108 23.4 17.3 25.9



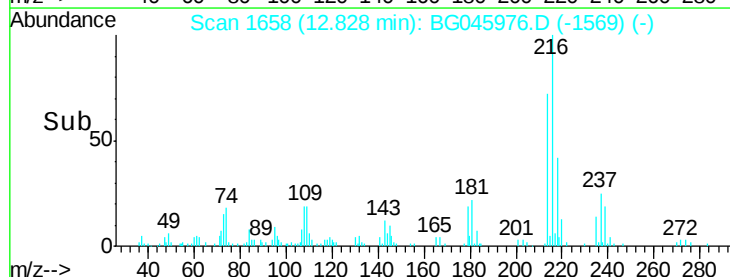
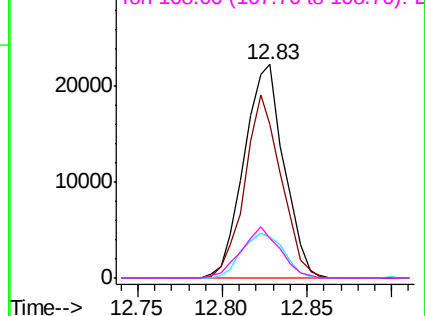
Abundance

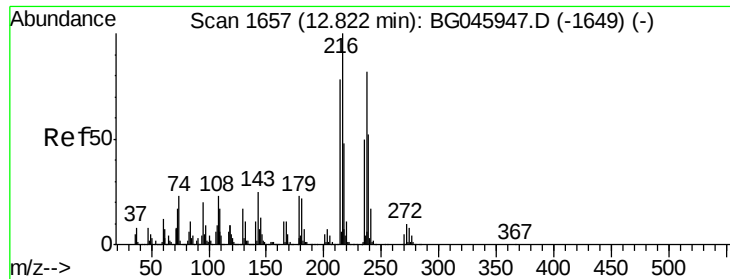
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 3.519 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

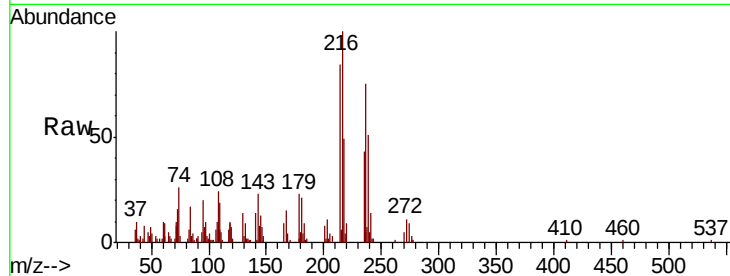
Tot Ion:237 Resp: 19863

Ion Ratio Lower Upper

237 100

235 57.3 41.5 81.5

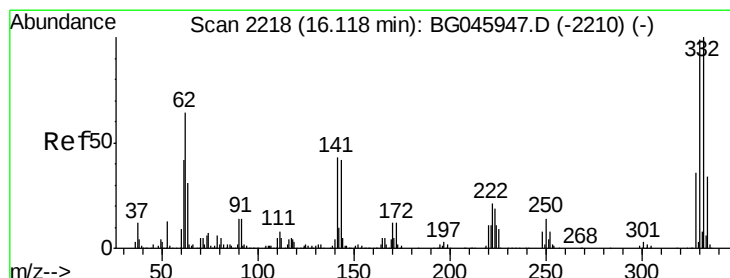
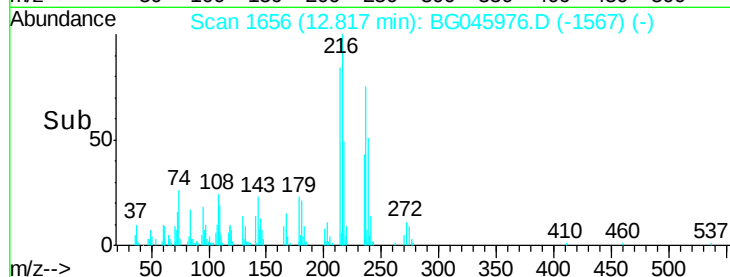
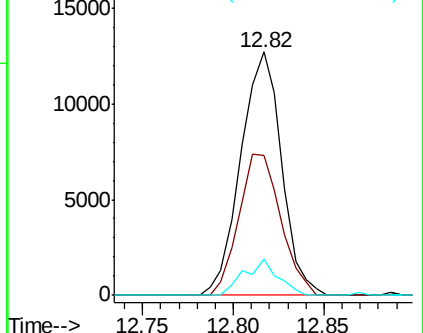
272 15.1 0.0 31.7



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 147.738 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

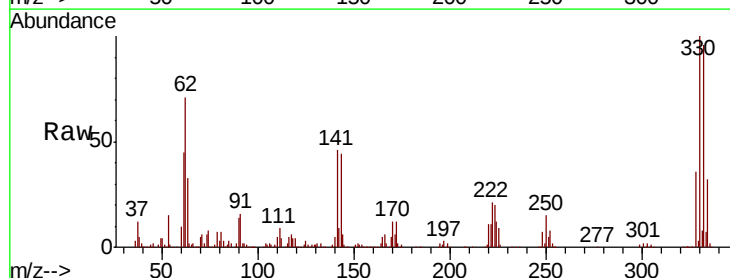
Tgt Ion:330 Resp: 462657

Ion Ratio Lower Upper

330 100

332 96.8 78.3 117.5

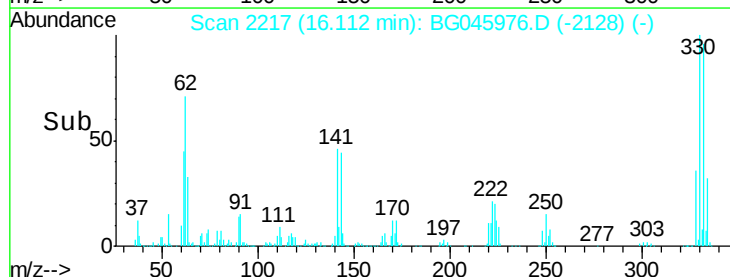
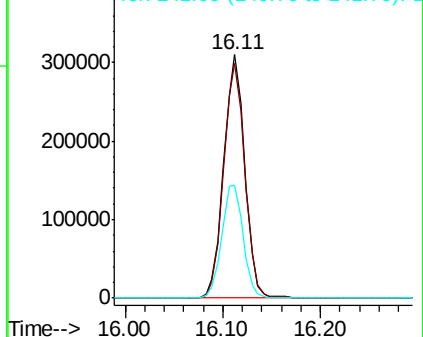
141 47.4 36.6 54.8

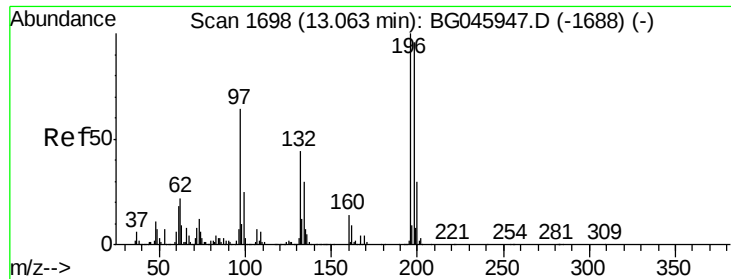


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

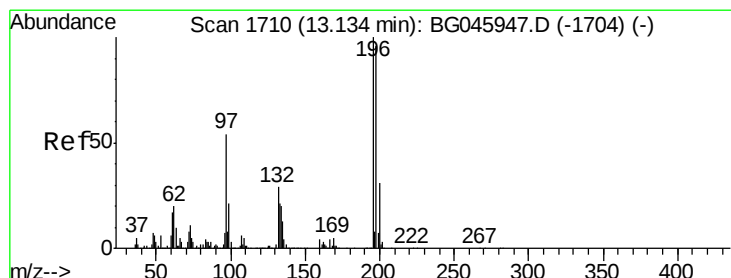
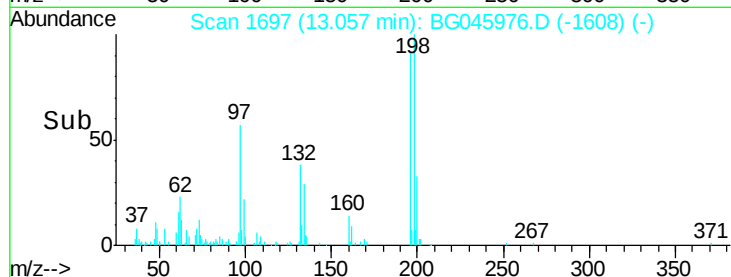
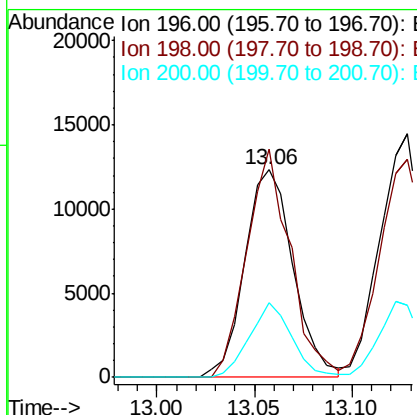
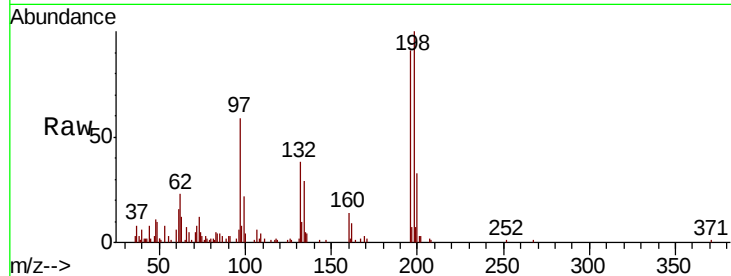




#43
 2,4,6-Trichlorophenol
 Concen: 3.295 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

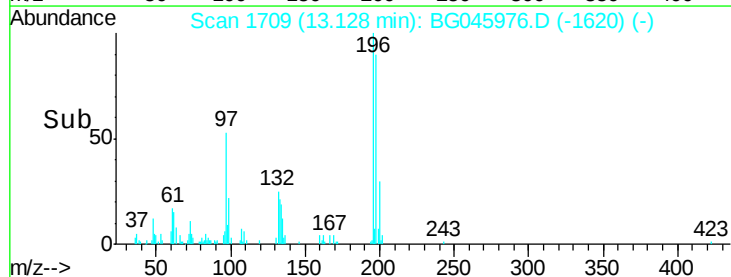
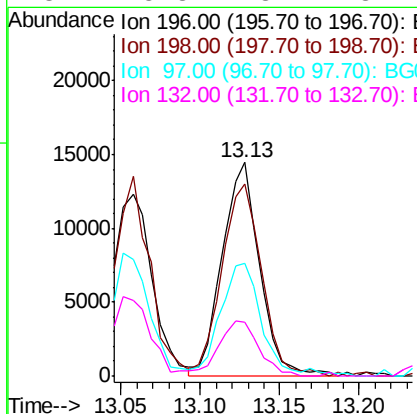
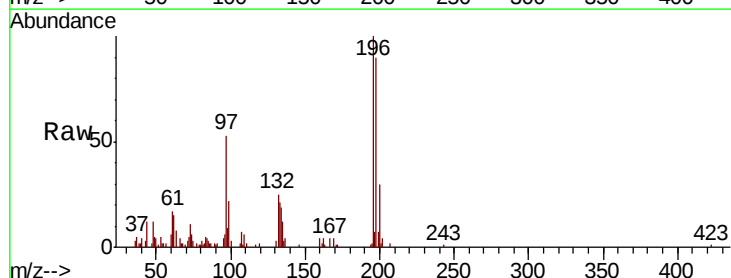
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

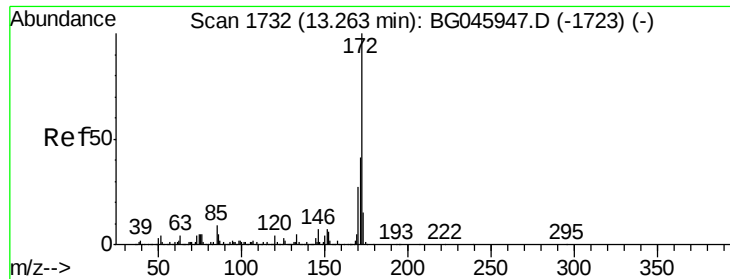
Tot Ion:196 Resp: 21198
 Ion Ratio Lower Upper
 196 100
 198 109.7 76.7 115.1
 200 35.9 24.3 36.5



#44
 2,4,5-Trichlorophenol
 Concen: 3.266 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion:196 Resp: 23757
 Ion Ratio Lower Upper
 196 100
 198 89.6 77.0 115.6
 97 52.7 44.3 66.5
 132 25.3 23.1 34.7

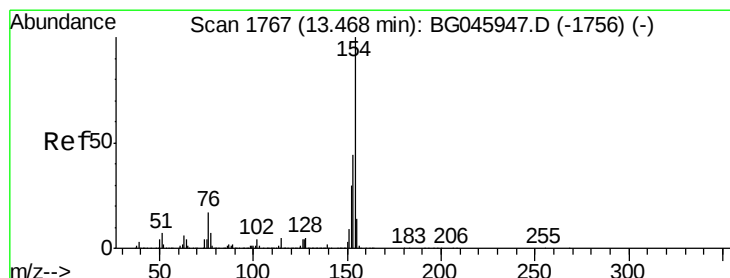
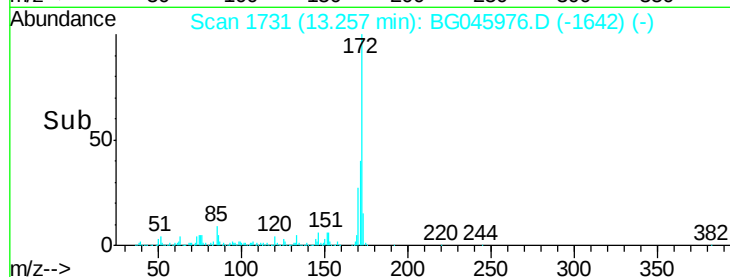
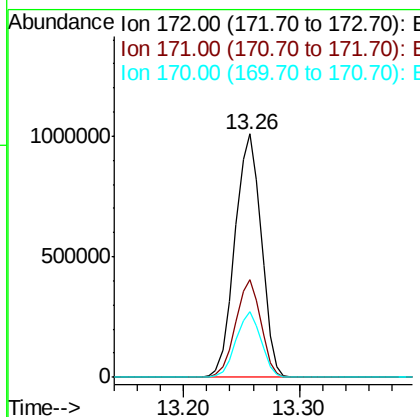
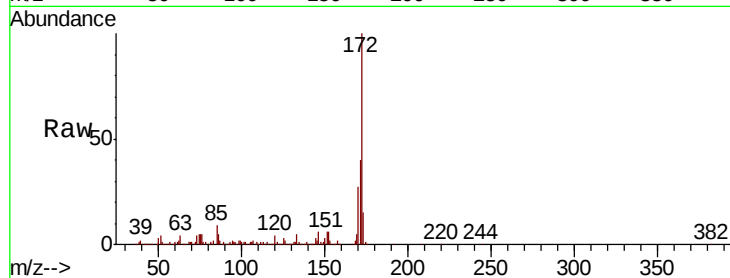




#45
2-Fluorobiphenyl
Concen: 73.598 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

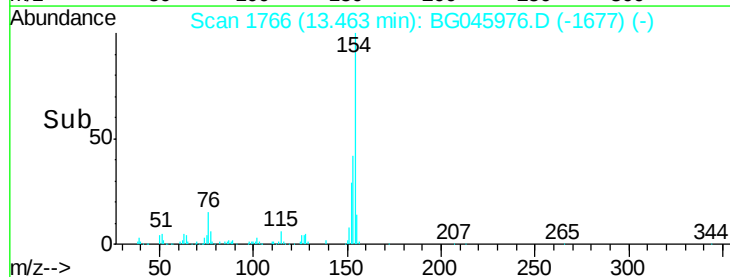
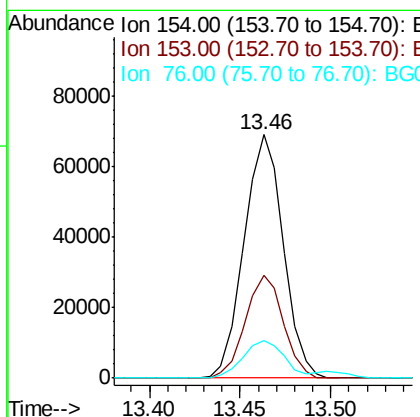
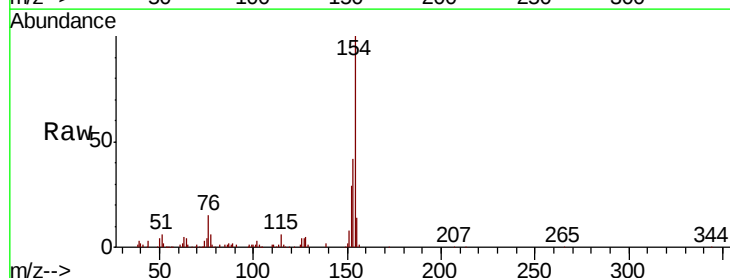
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

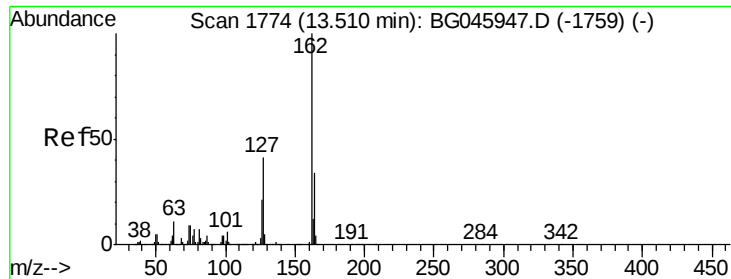
Tot Ion:172 Resp: 1592064
Ion Ratio Lower Upper
172 100
171 39.9 32.9 49.3
170 27.1 21.8 32.6



#46
1,1'-Biphenyl
Concen: 4.098 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:154 Resp: 104012
Ion Ratio Lower Upper
154 100
153 42.3 23.6 63.6
76 15.5 0.0 36.9

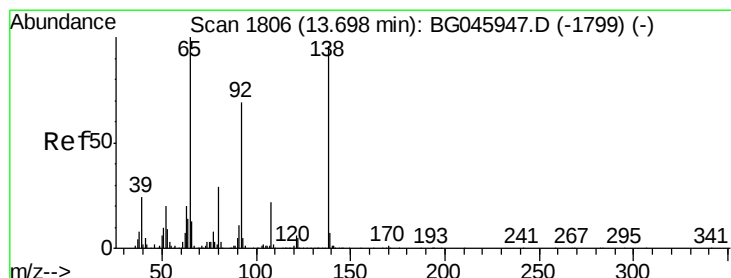
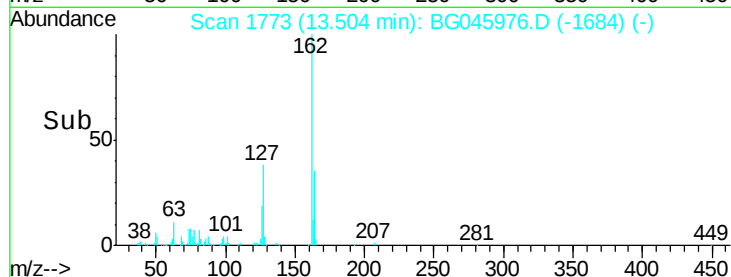
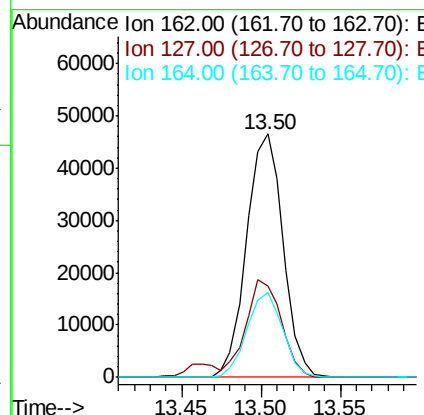
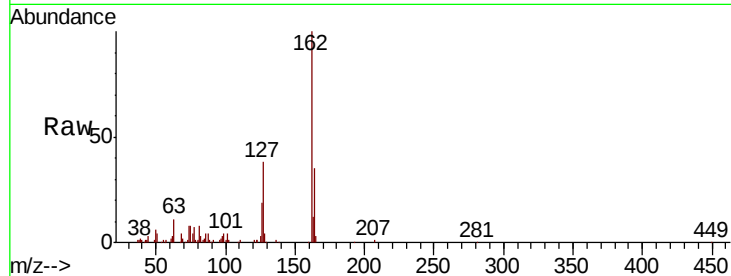




#47
 2-Chloronaphthalene
 Concen: 3.703 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

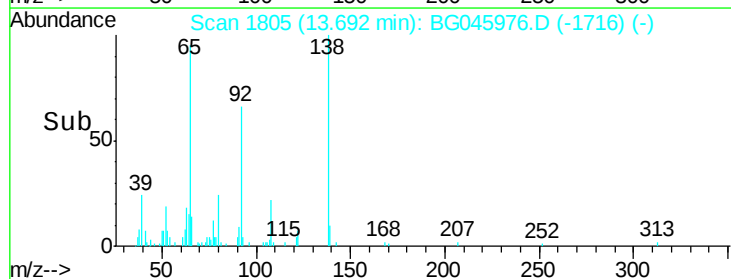
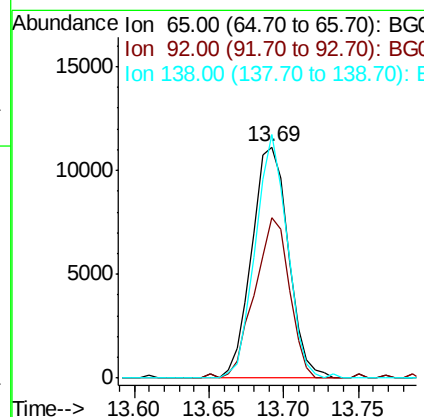
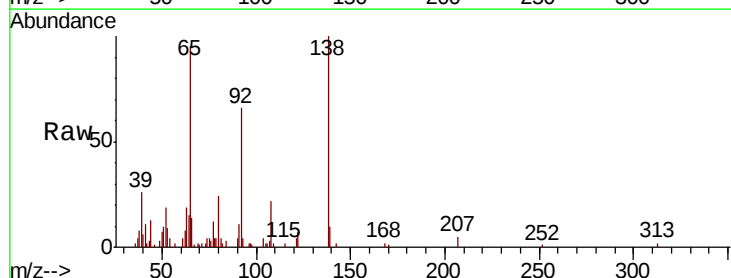
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

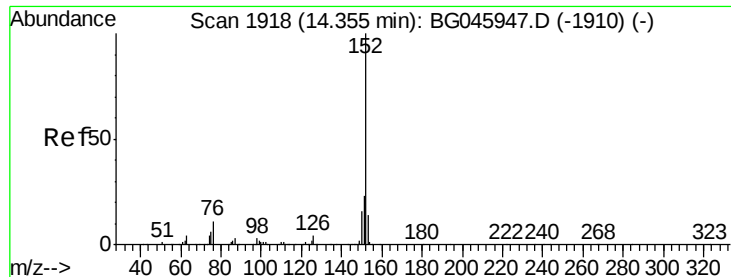
Tot Ion:162 Resp: 74164
 Ion Ratio Lower Upper
 162 100
 127 37.6 32.5 48.7
 164 34.9 27.2 40.8



#48
 2-Nitroaniline
 Concen: 4.033 ng
 RT: 13.69 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion: 65 Resp: 18903
 Ion Ratio Lower Upper
 65 100
 92 69.4 55.4 83.0
 138 105.4 77.0 115.4





#49

Acenaphthylene

Concen: 3.818 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

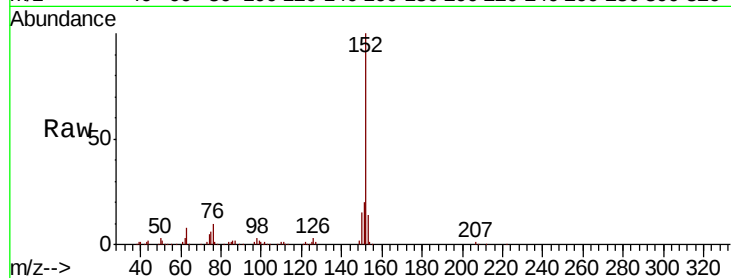
Tot Ion:152 Resp: 123367

Ion Ratio Lower Upper

152 100

151 20.3 18.1 27.1

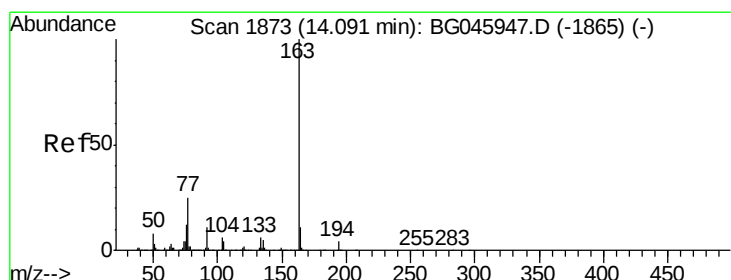
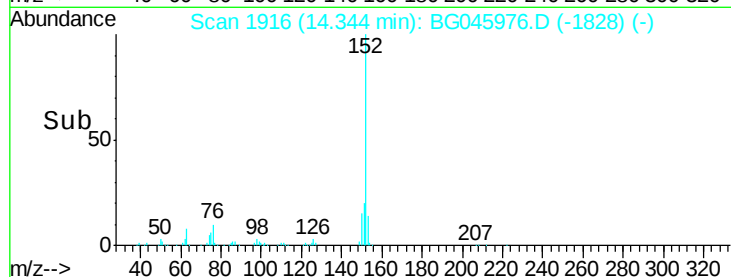
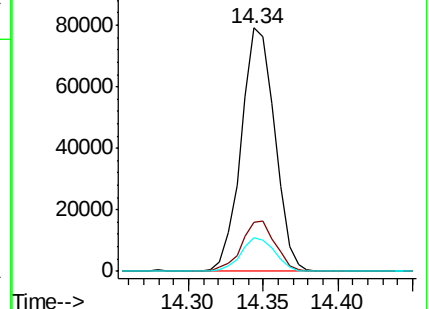
153 13.8 11.5 17.3



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: 3.606 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

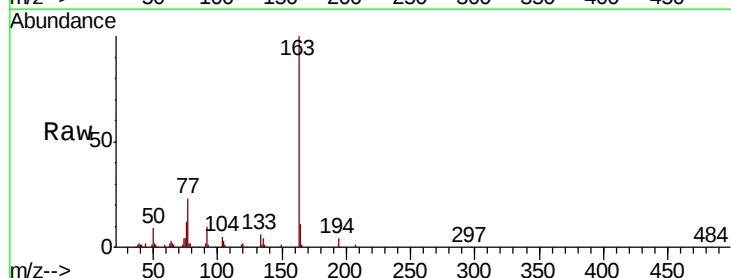
Tgt Ion:163 Resp: 91313

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

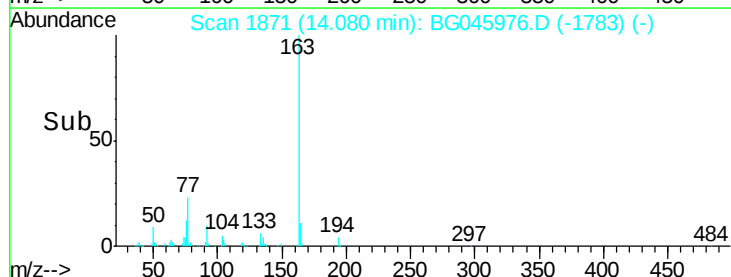
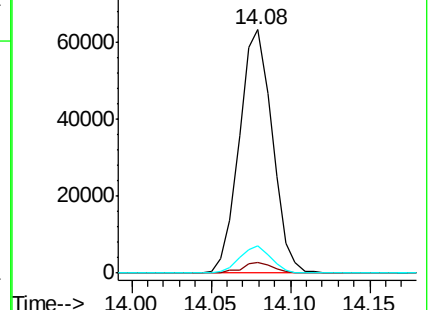
164 11.0 8.9 13.3

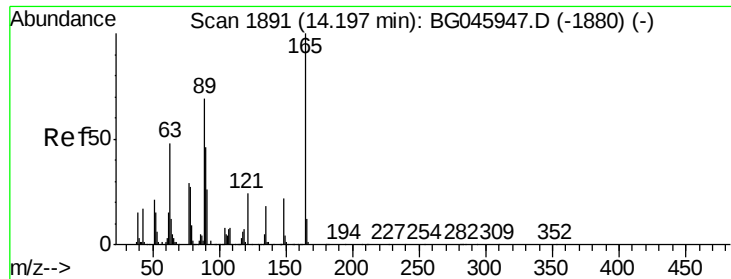


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 3.969 ng

RT: 14.19 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

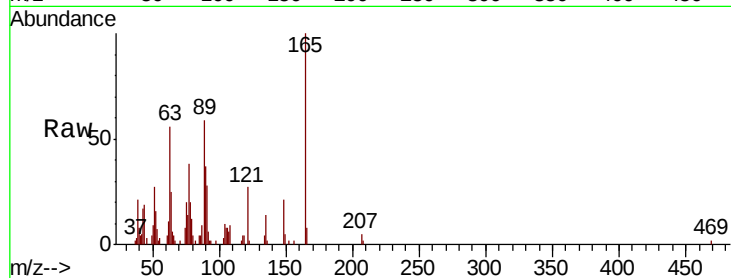
Tot Ion:165 Resp: 15595

Ion Ratio Lower Upper

165 100

63 56.1 51.0 76.4

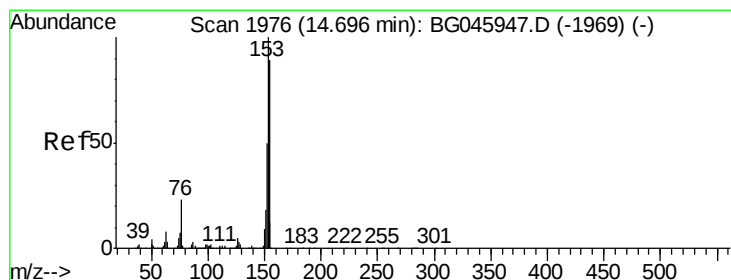
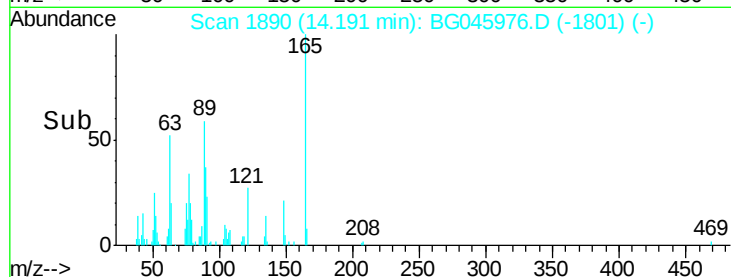
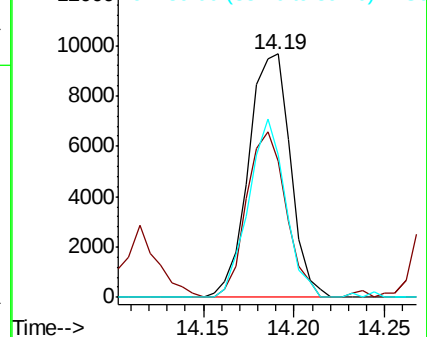
89 58.6 55.7 83.5



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52

Acenaphthene

Concen: 3.651 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

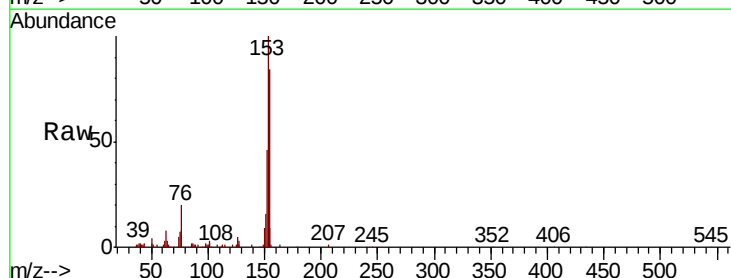
Tgt Ion:154 Resp: 74421

Ion Ratio Lower Upper

154 100

153 118.5 89.7 134.5

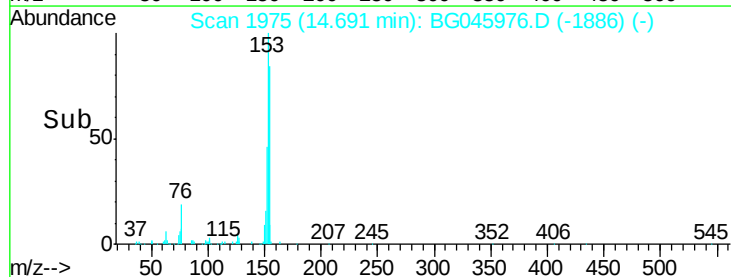
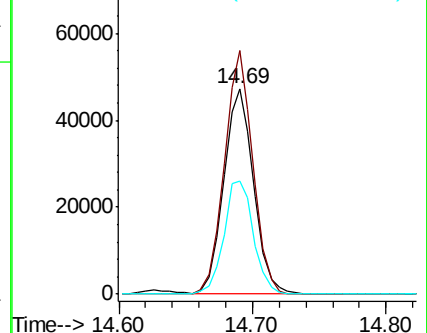
152 54.8 44.7 67.1

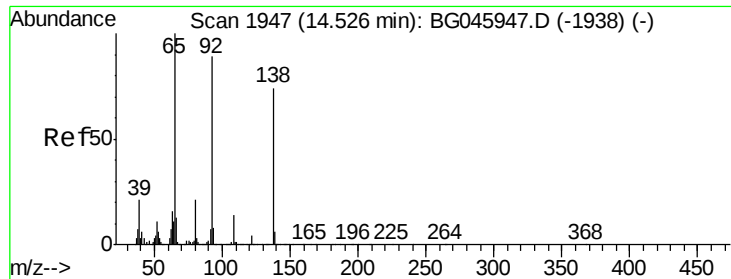


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

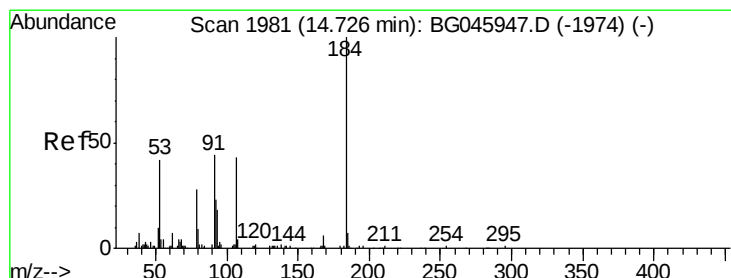
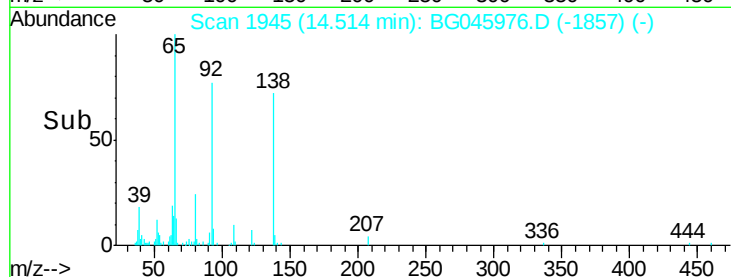
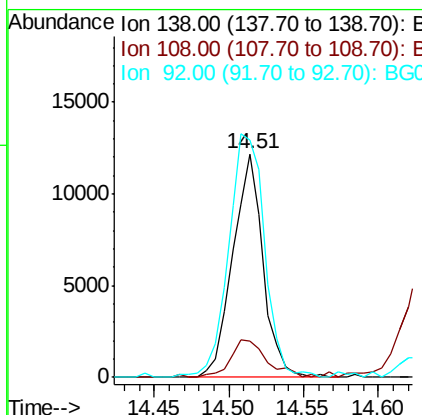
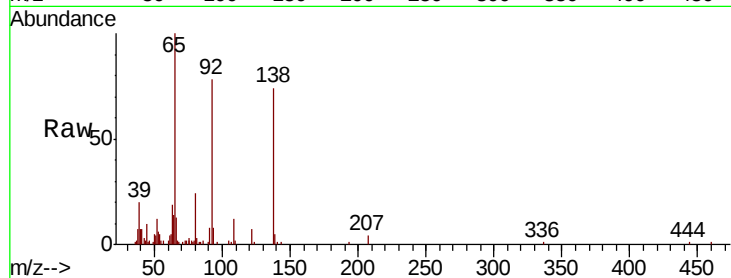




#53
3-Nitroaniline
Concen: 3.532 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

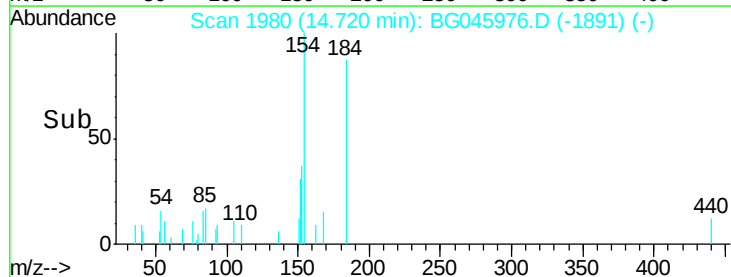
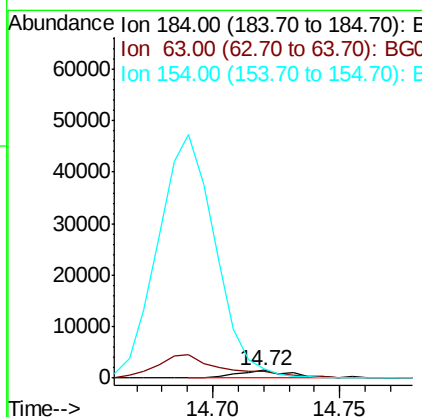
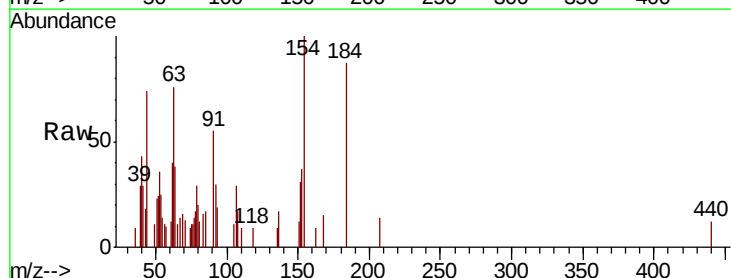
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

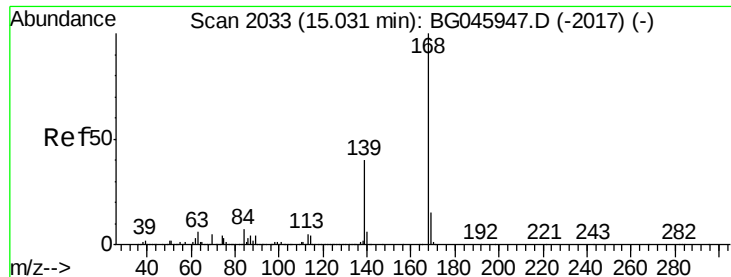
Tot Ion:138 Resp: 17200
Ion Ratio Lower Upper
138 100
108 16.2 15.4 23.2
92 106.1 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 1.662 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:184 Resp: 2303
Ion Ratio Lower Upper
184 100
63 87.6 46.0 69.0#
154 114.7 58.2 87.2#

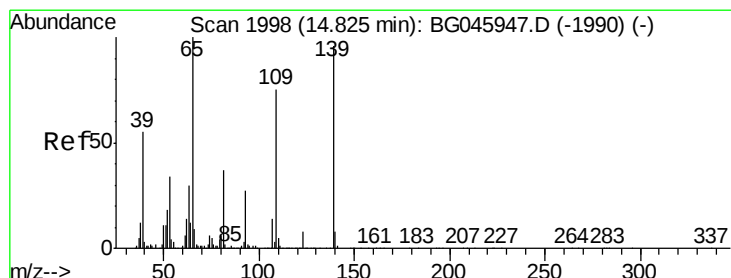
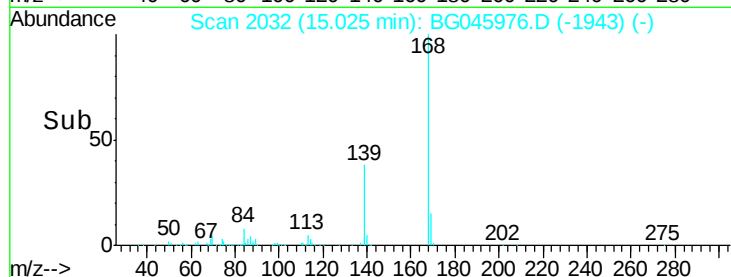
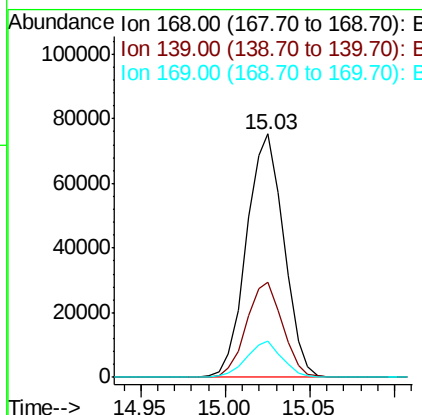
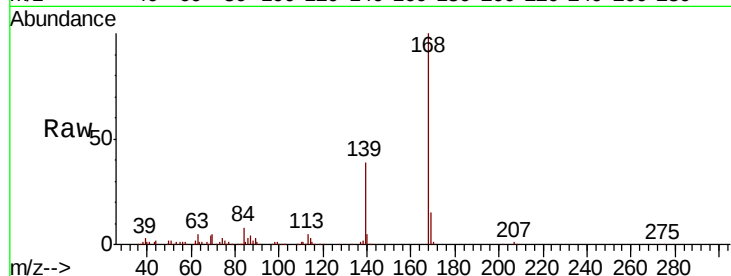




#55
Dibenzofuran
Concen: 3.855 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

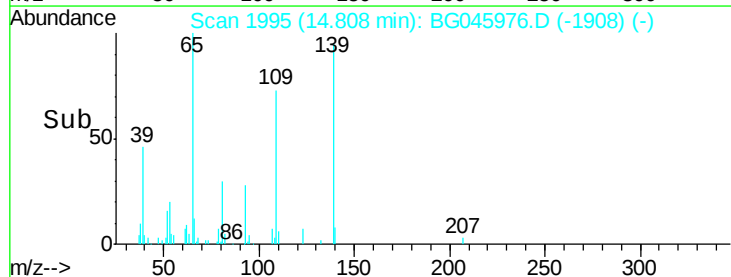
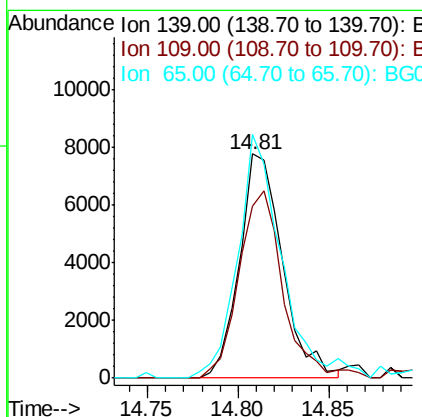
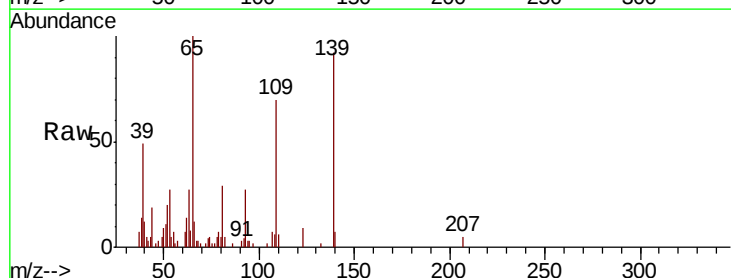
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

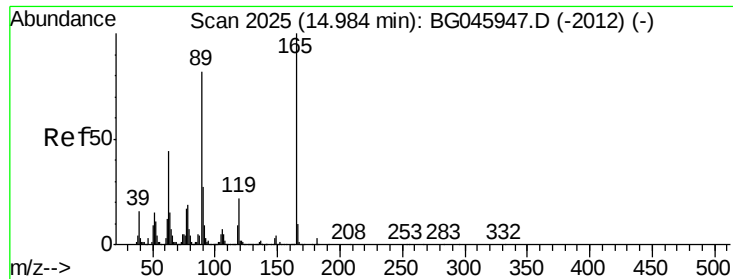
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.3	32.2	48.2
169	14.8	11.8	17.8



#56
4-Nitrophenol
Concen: 3.119 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	76.7	58.5	98.5
65	108.8	84.7	124.7

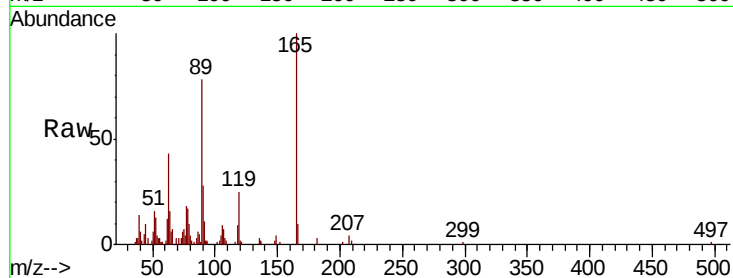




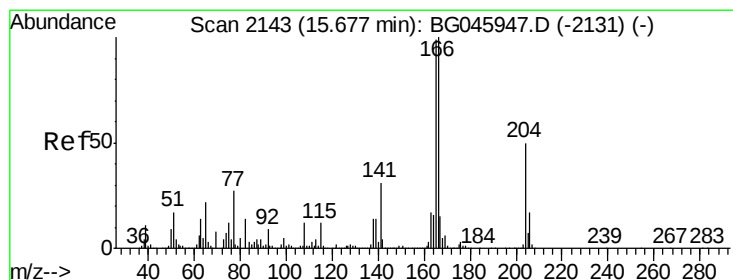
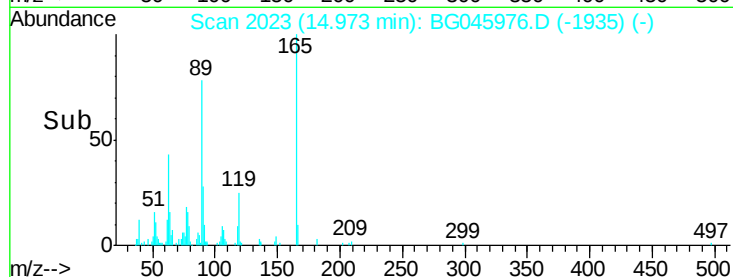
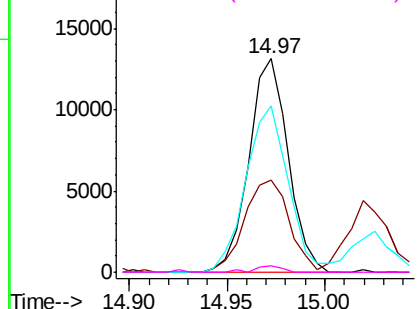
#57
2,4-Dinitrotoluene
Concen: 3.763 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:165 Resp: 18270
Ion Ratio Lower Upper
165 100
63 43.4 35.4 53.0
89 77.9 65.4 98.2
182 2.8 2.0 3.0

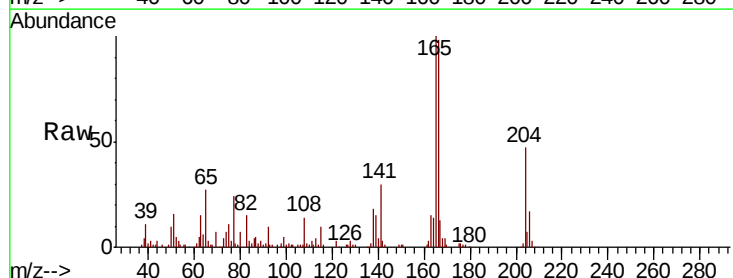


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

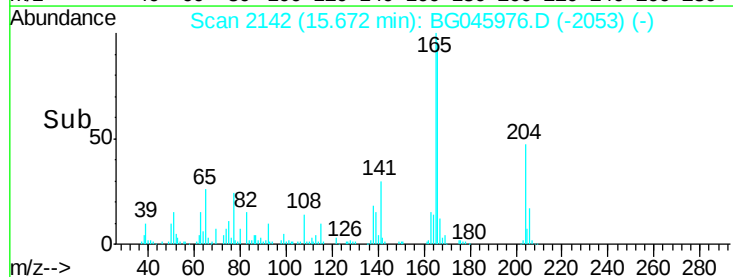
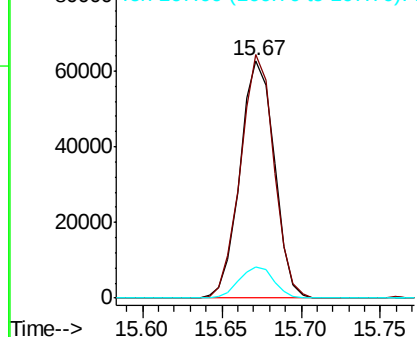


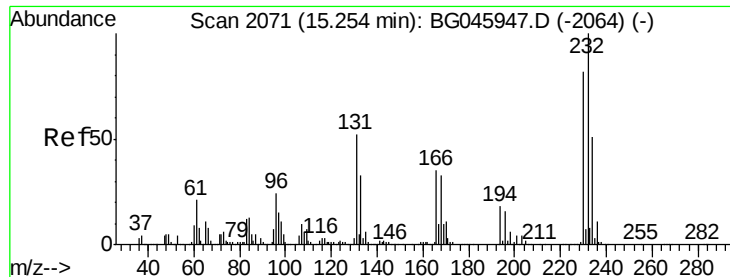
#58
Fluorene
Concen: 3.859 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:166 Resp: 94584
Ion Ratio Lower Upper
166 100
165 102.4 78.9 118.3
167 13.2 12.1 18.1



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





#59

2,3,4,6-Tetrachlorophenol

Concen: 3.313 ng

RT: 15.17 min Scan# 2056

Delta R.T. -0.09 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:232 Resp: 18604

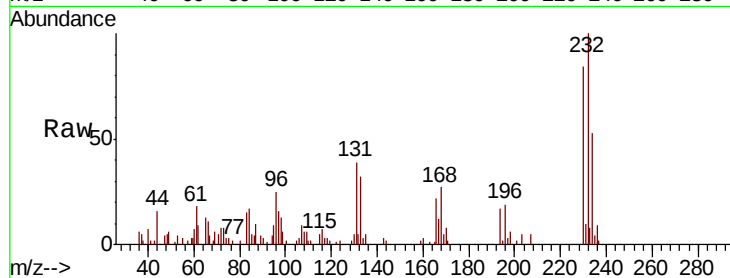
Ion Ratio Lower Upper

232 100

131 38.2 35.8 53.6

130 3.1 2.5 3.7

166 23.9 21.8 32.8

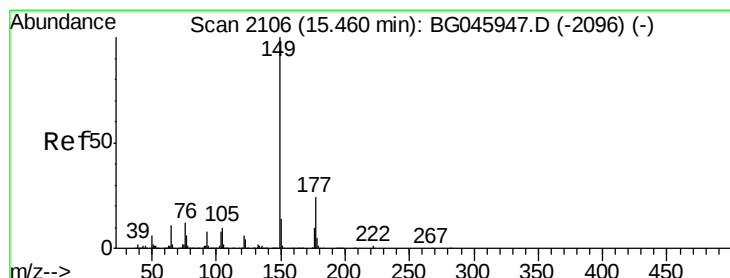
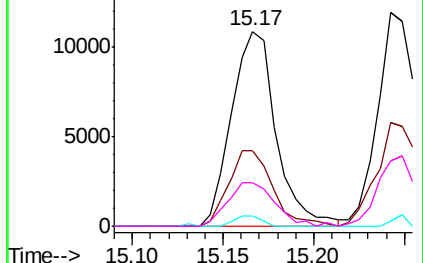
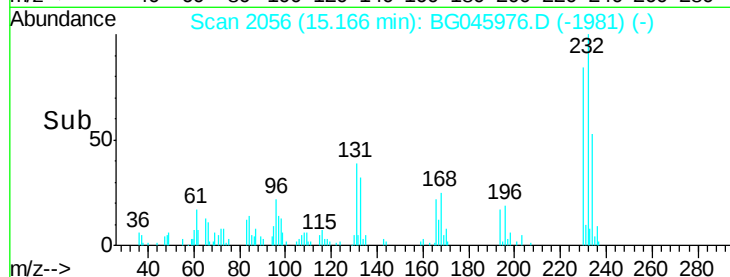


Abundance Ion 232.00 (231.70 to 232.70): E

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: 3.624 ng

RT: 15.45 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

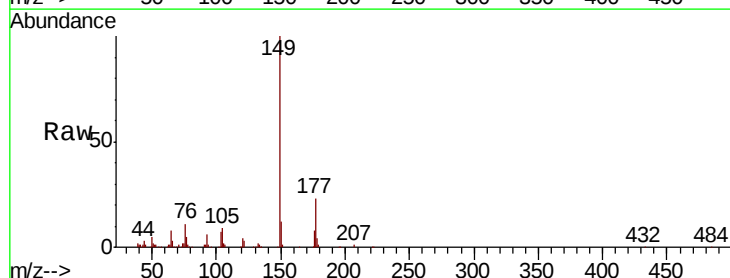
Tgt Ion:149 Resp: 96232

Ion Ratio Lower Upper

149 100

177 22.9 19.0 28.4

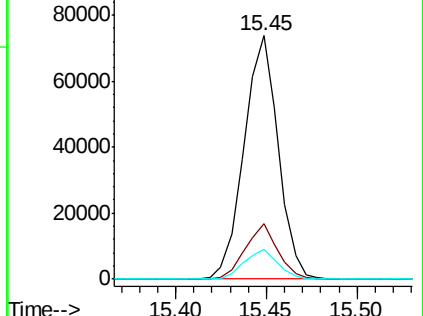
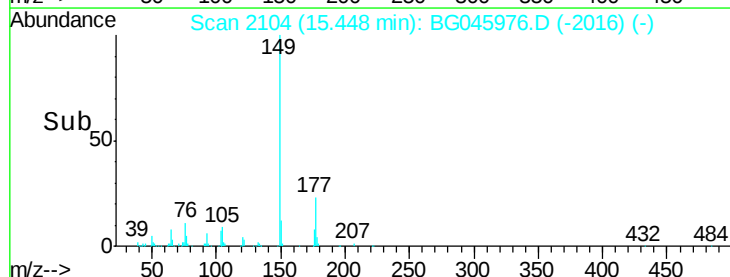
150 12.1 11.0 16.4

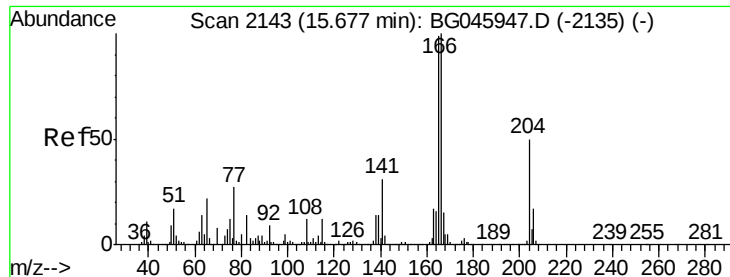


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

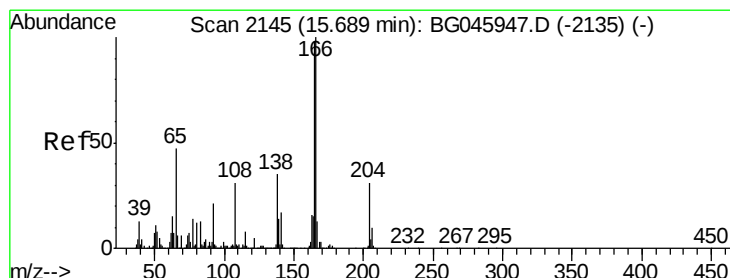
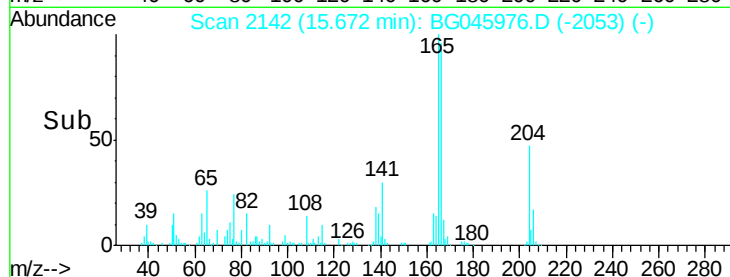
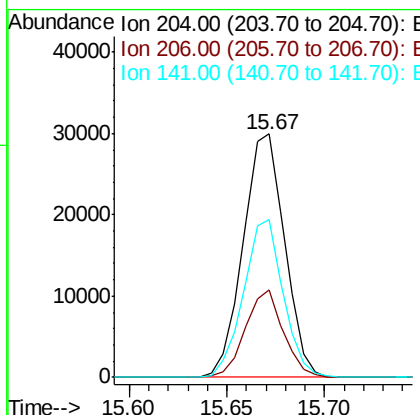
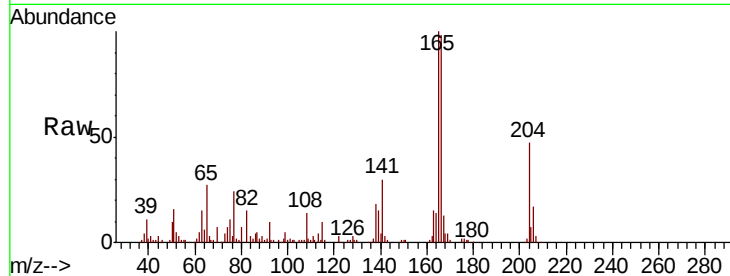




#61
 4-Chlorophenyl-phenylether
 Concen: 3.616 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

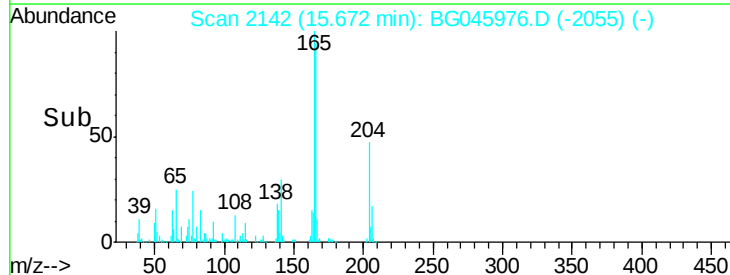
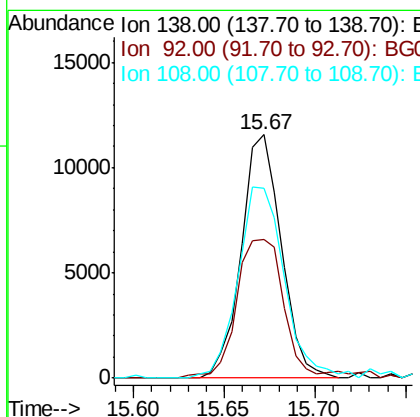
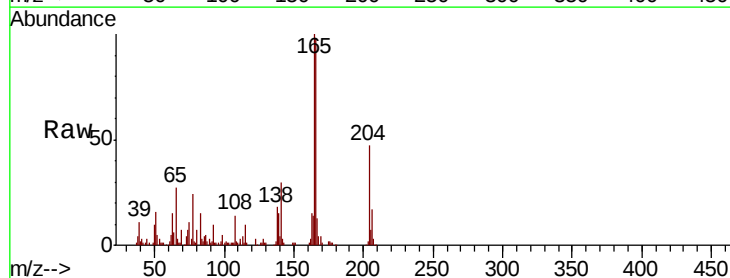
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

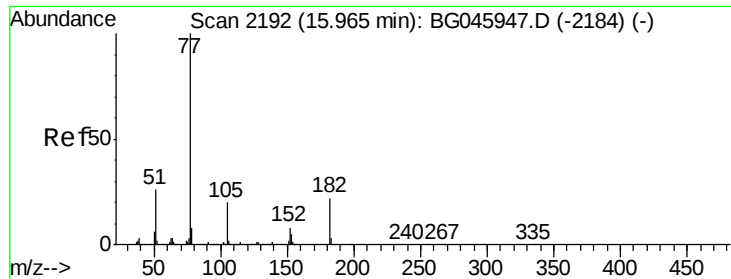
Tot Ion:204 Resp: 44087
 Ion Ratio Lower Upper
 204 100
 206 36.0 27.1 40.7
 141 65.1 49.8 74.8



#62
 4-Nitroaniline
 Concen: 3.394 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.02 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion:138 Resp: 17761
 Ion Ratio Lower Upper
 138 100
 92 56.9 40.3 80.3
 108 77.9 68.0 108.0





#63

Azobenzene

Concen: 3.822 ng

RT: 15.97 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 77 Resp: 108944

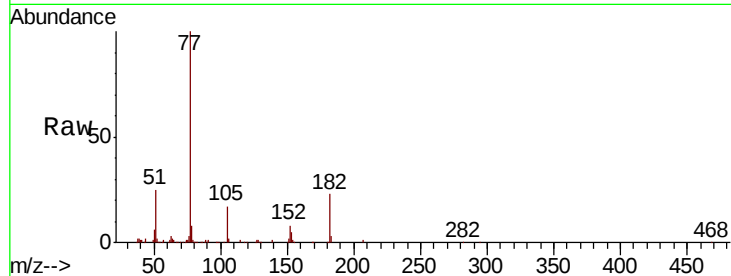
Ion Ratio Lower Upper

77 100

182 22.8 2.4 42.4

105 17.2 0.3 40.3

51 24.9 6.3 46.3

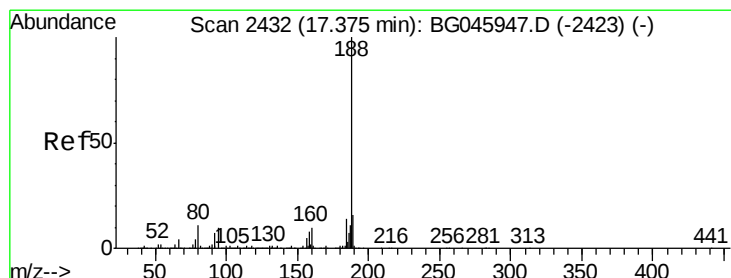
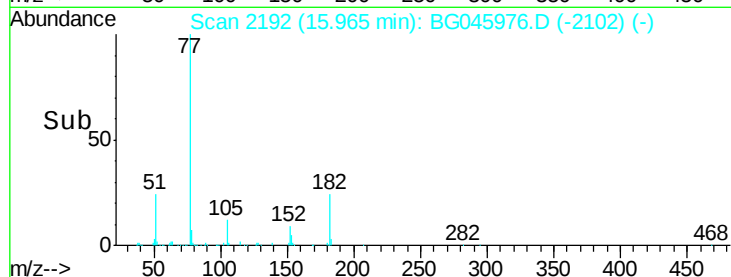
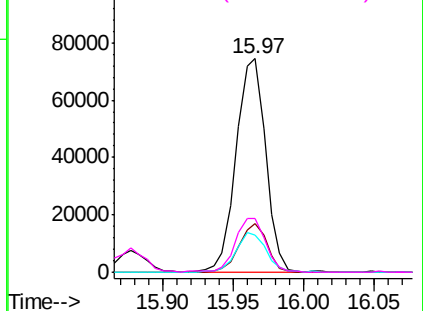


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

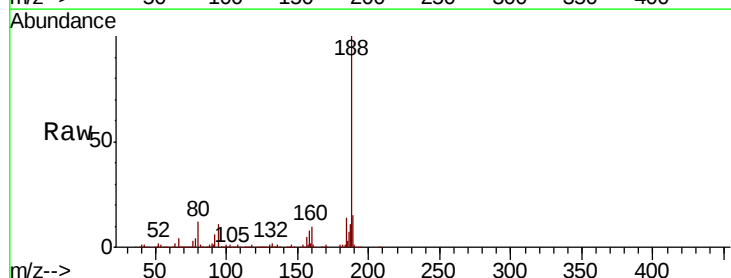
Tgt Ion: 188 Resp: 705604

Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.4

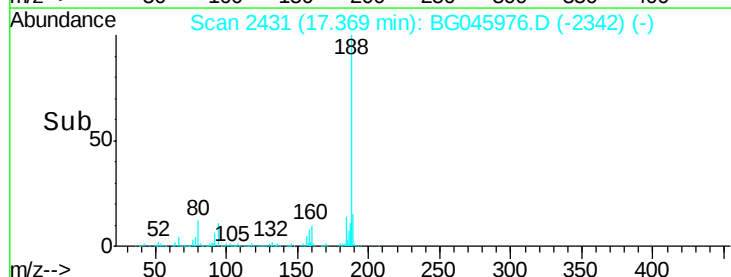
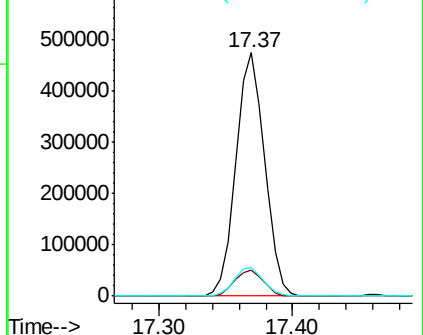
80 11.8 9.0 13.6

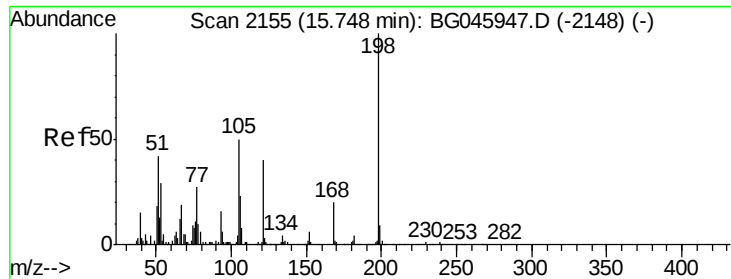


Abundance Ion 188.00 (187.70 to 188.70): BGC

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: 2.530 ng

RT: 15.73 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

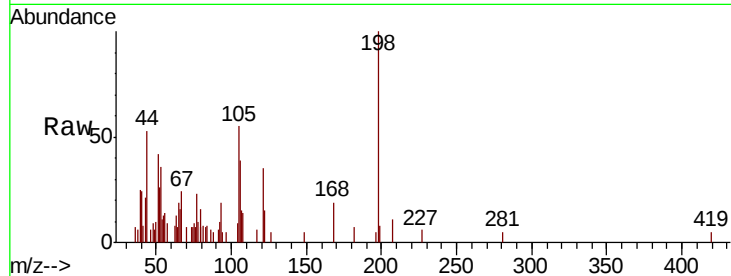
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:198 Resp: 5228

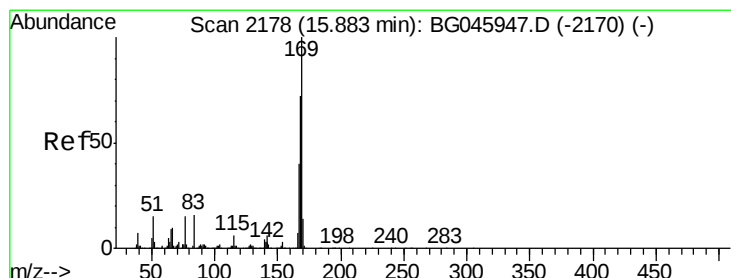
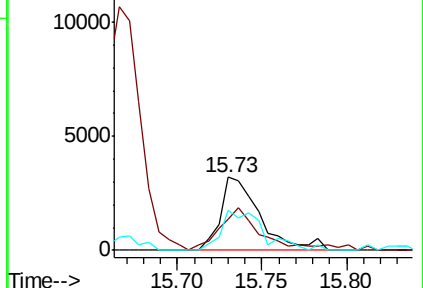
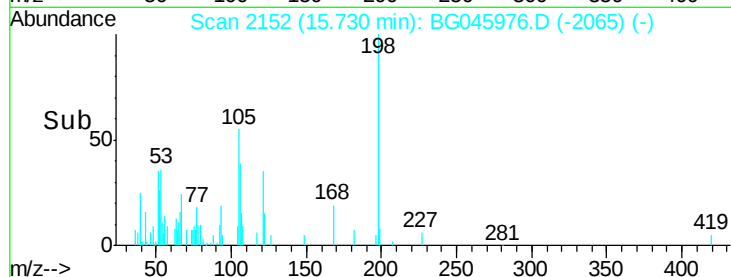
Ion	Ratio	Lower	Upper
198	100		
51	41.9	24.5	64.5
105	54.7	30.9	70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG045976.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): BG045976.D (-2148) (-)



#66

n-Nitrosodiphenylamine

Concen: 3.712 ng

RT: 15.88 min Scan# 2177

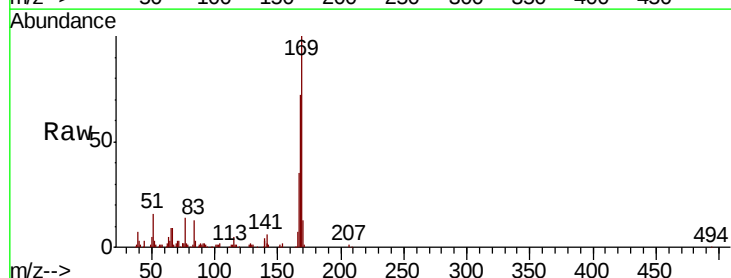
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:169 Resp: 81157

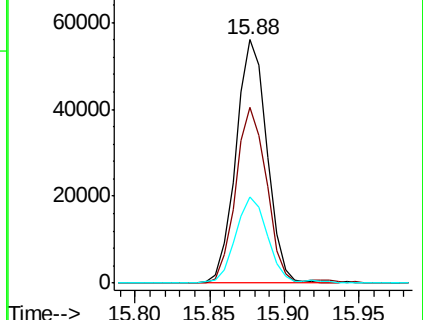
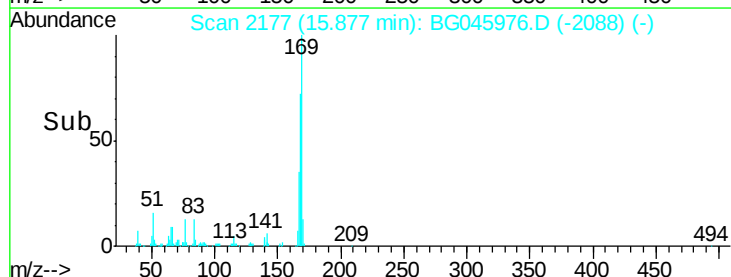
Ion	Ratio	Lower	Upper
169	100		
168	72.1	57.3	85.9
167	35.3	32.1	48.1

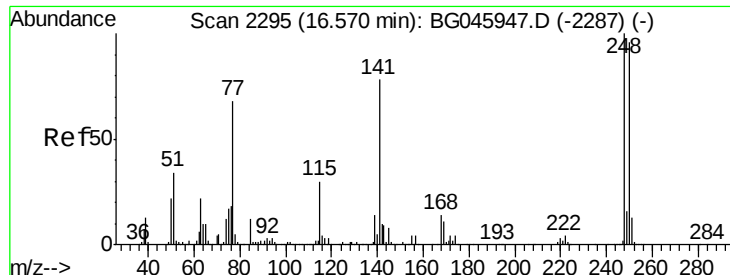


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): BG045976.D (-2170) (-)

Ion 167.00 (166.70 to 167.70): BG045976.D (-2170) (-)

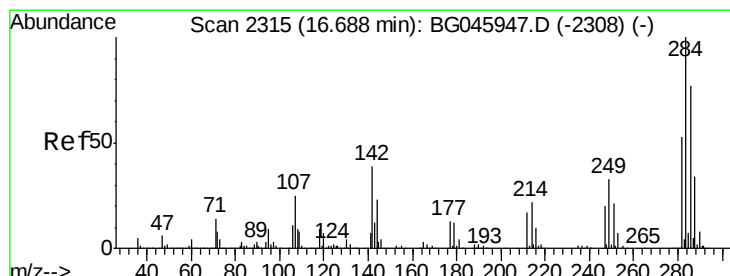
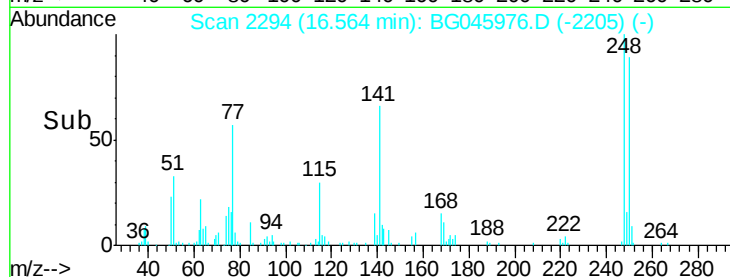
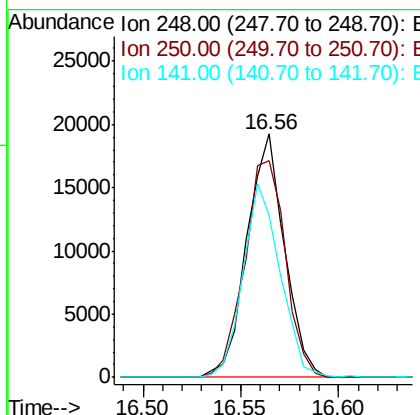
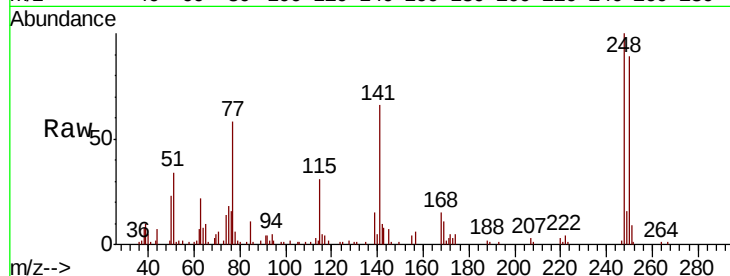




#67
4-Bromophenyl-phenylether
Concen: 3.253 ng
RT: 16.56 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

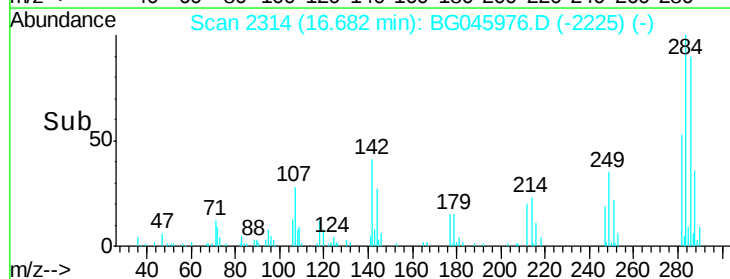
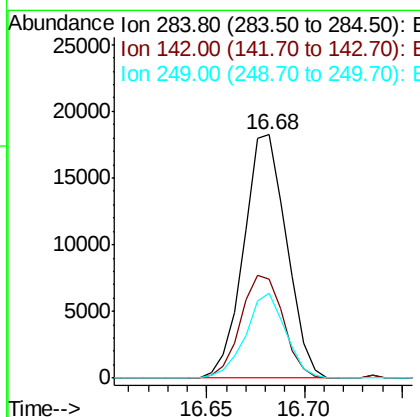
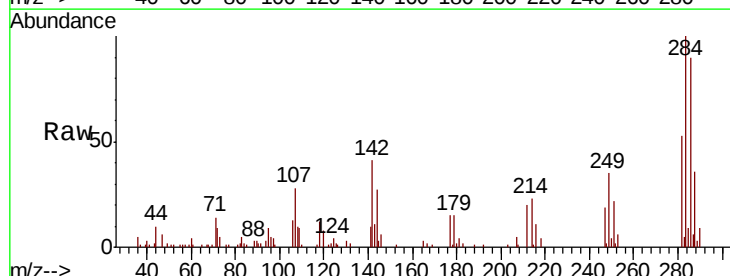
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:248 Resp: 25639
Ion Ratio Lower Upper
248 100
250 89.2 76.6 114.8
141 66.4 62.7 94.1



#68
Hexachlorobenzene
Concen: 3.505 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:284 Resp: 27719
Ion Ratio Lower Upper
284 100
142 40.5 31.3 46.9
249 35.1 26.8 40.2





#69

Atrazine

Concen: 4.147 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

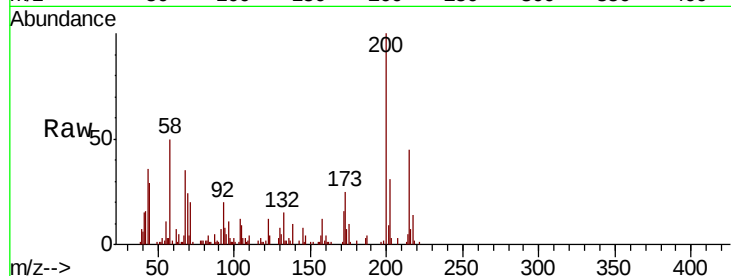
Tot Ion:200 Resp: 26811

Ion Ratio Lower Upper

200 100

173 25.0 9.1 49.1

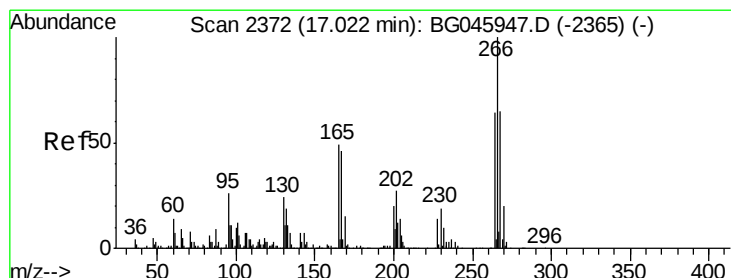
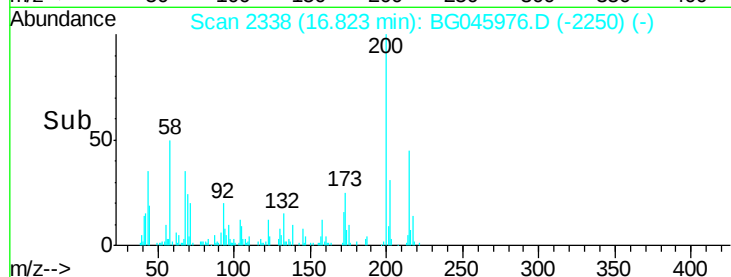
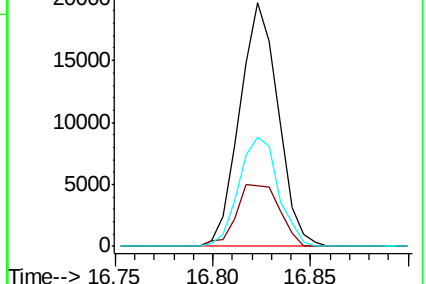
215 45.0 28.8 68.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 2.633 ng

RT: 17.02 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

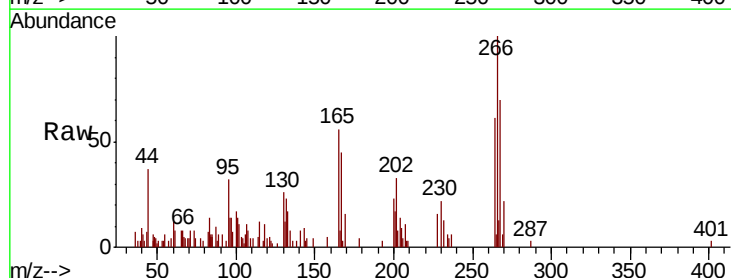
Tgt Ion:266 Resp: 11575

Ion Ratio Lower Upper

266 100

268 69.6 51.8 77.8

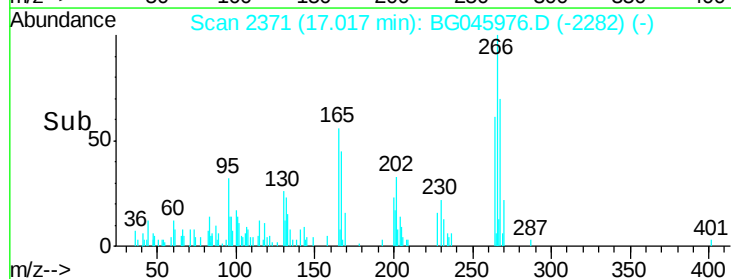
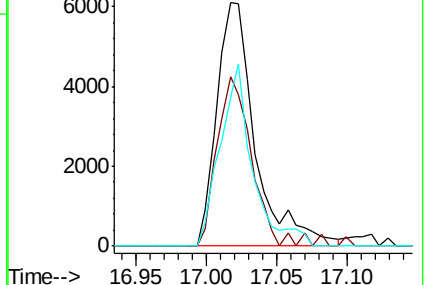
264 61.4 51.4 77.0

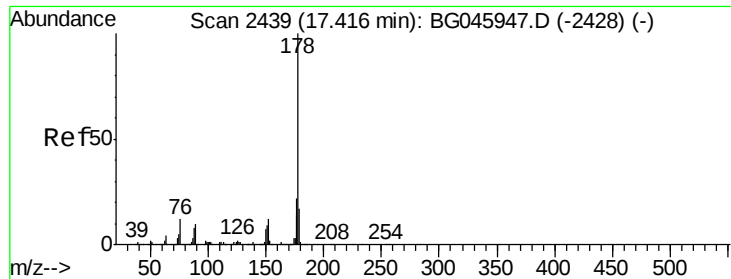


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 3.857 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

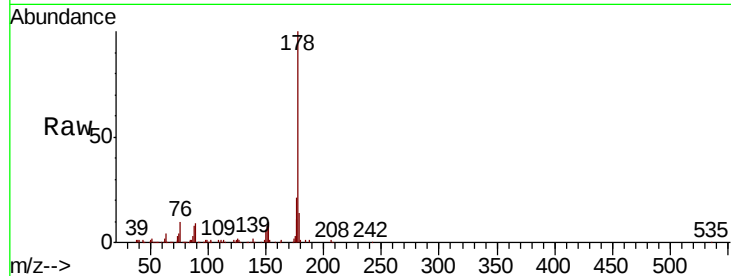
Tot Ion:178 Resp: 143876

Ion Ratio Lower Upper

178 100

176 20.8 17.4 26.2

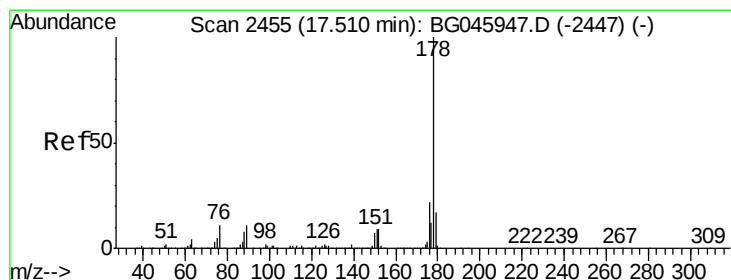
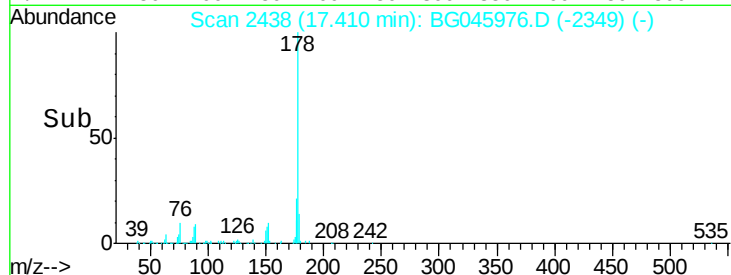
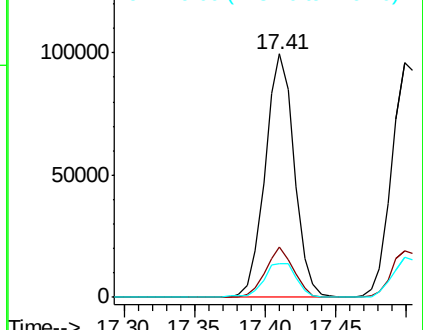
179 14.1 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.913 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

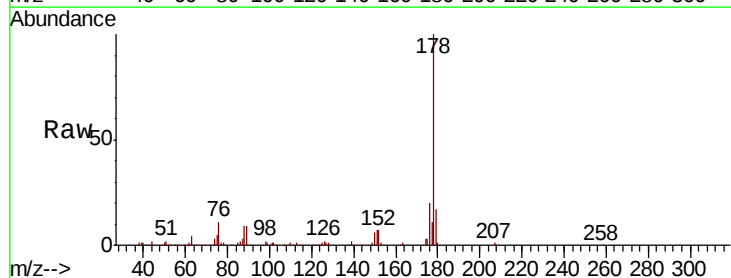
Tgt Ion:178 Resp: 148118

Ion Ratio Lower Upper

178 100

176 19.7 17.2 25.8

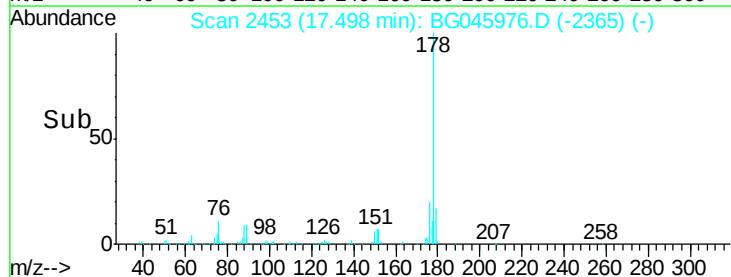
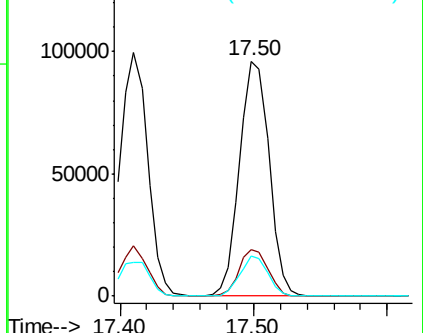
179 17.0 14.0 21.0

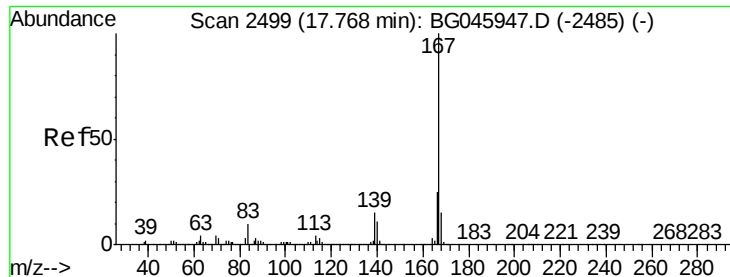


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

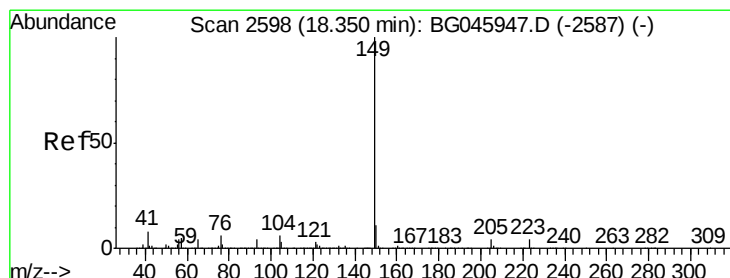
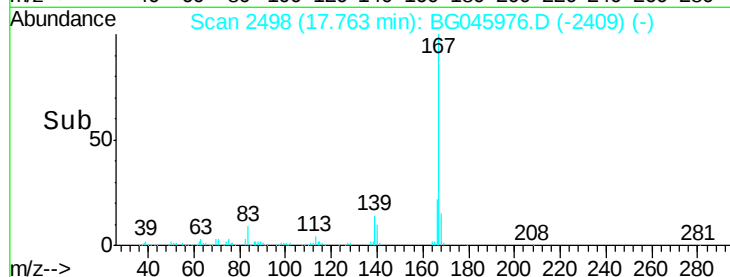
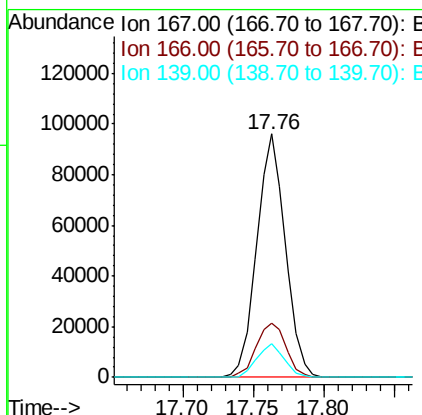
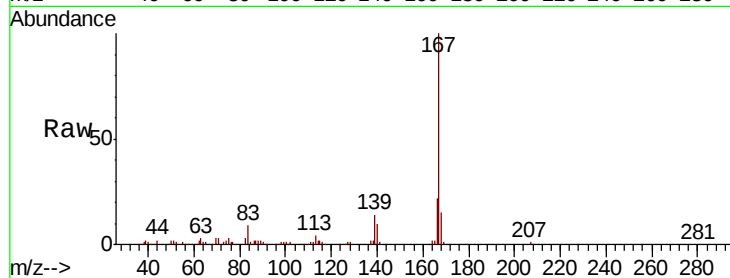




#73
 Carbazole
 Concen: 3.606 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

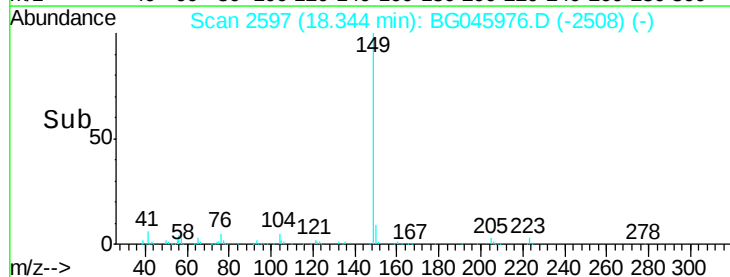
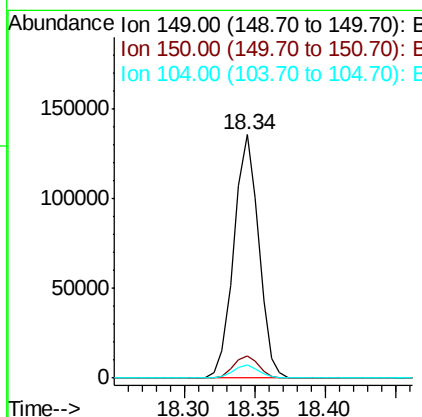
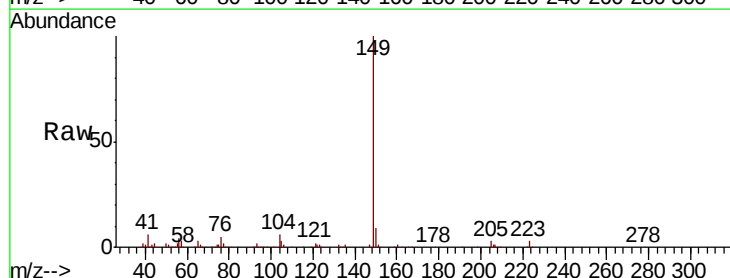
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

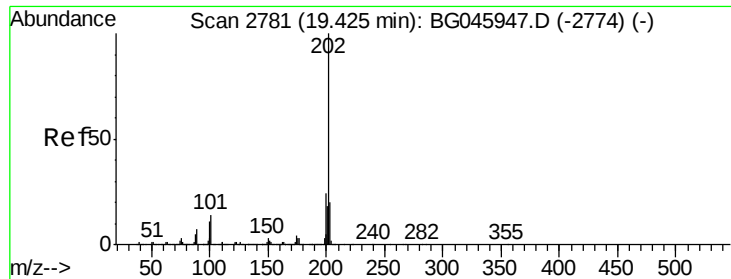
Tot Ion:167 Resp: 136818
 Ion Ratio Lower Upper
 167 100
 166 22.5 20.4 30.6
 139 13.9 11.8 17.8



#74
 Di-n-butylphthalate
 Concen: 3.626 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion:149 Resp: 166247
 Ion Ratio Lower Upper
 149 100
 150 9.0 9.0 13.4
 104 5.6 5.2 7.8





#75

Fluoranthene

Concen: 3.918 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

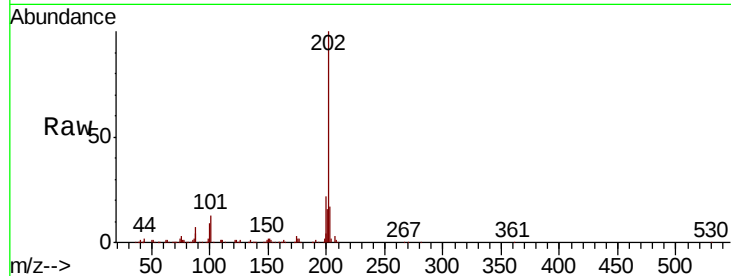
Tot Ion:202 Resp: 168956

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.8

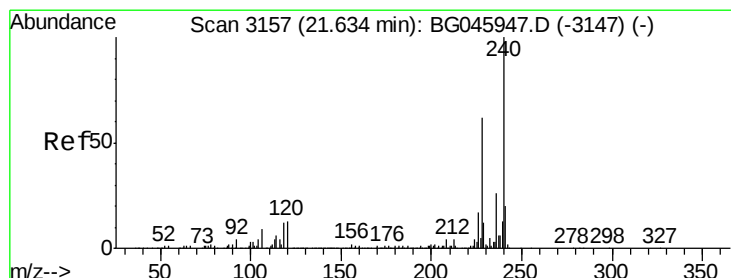
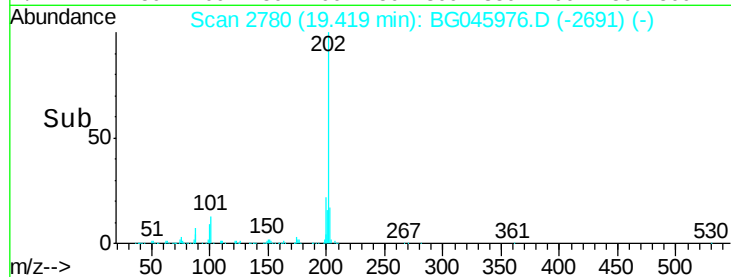
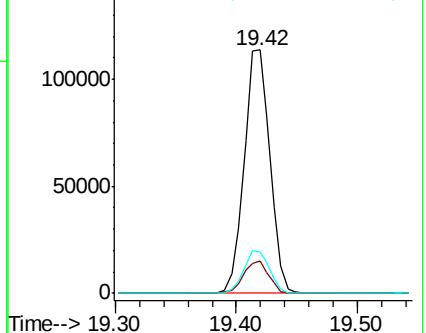
203 17.0 0.4 40.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

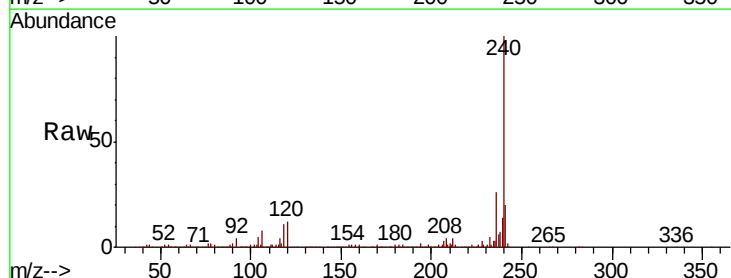
Tgt Ion:240 Resp: 671294

Ion Ratio Lower Upper

240 100

120 11.9 10.6 16.0

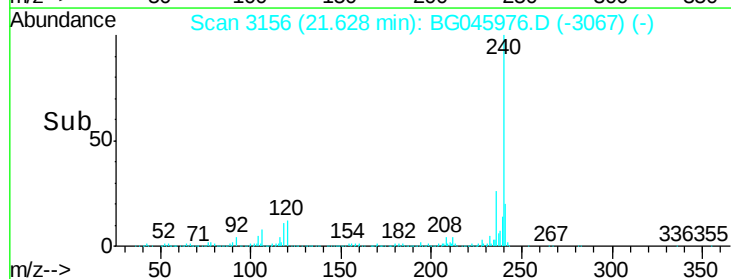
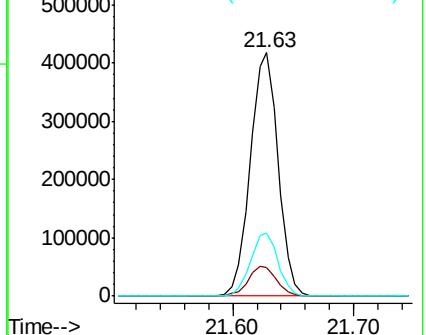
236 26.0 20.4 30.6

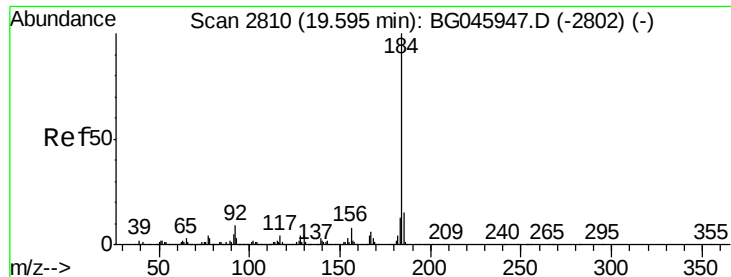


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.030 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

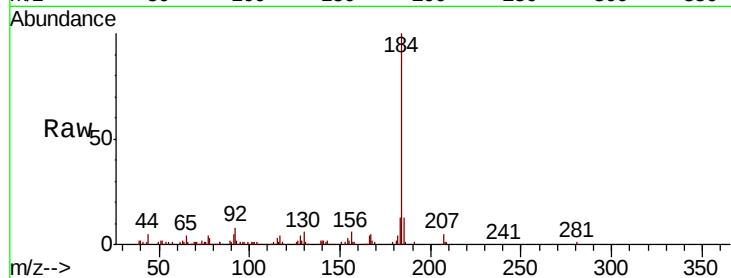
BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:184 Resp: 77345

Ion	Ratio	Lower	Upper
184	100		
185	13.4	11.6	17.4
183	12.8	10.4	15.6

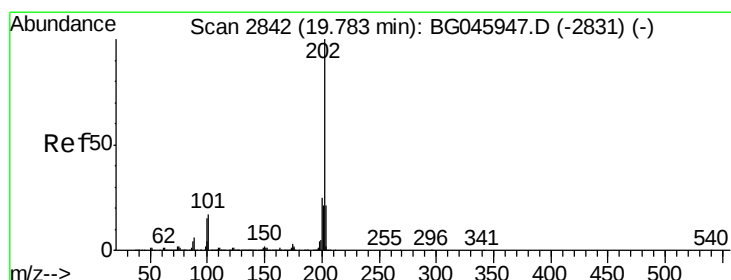
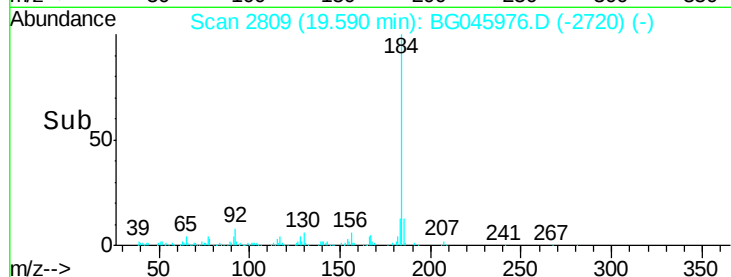
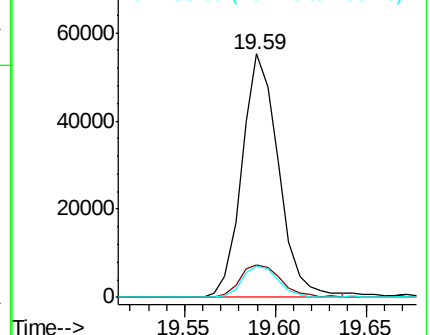


Abundance

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: 3.862 ng

RT: 19.78 min Scan# 2841

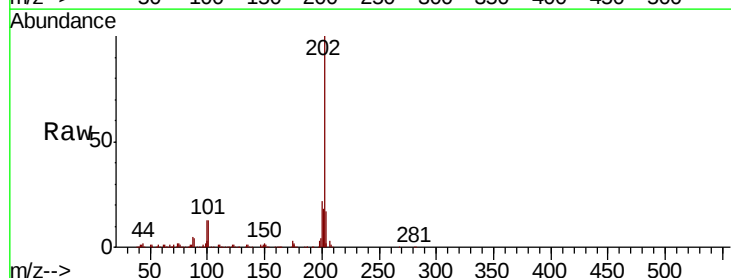
Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Tgt Ion:202 Resp: 176978

Ion	Ratio	Lower	Upper
202	100		
200	21.9	20.1	30.1
203	16.6	16.5	24.7

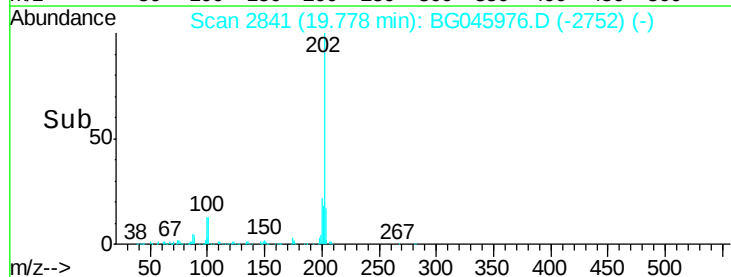
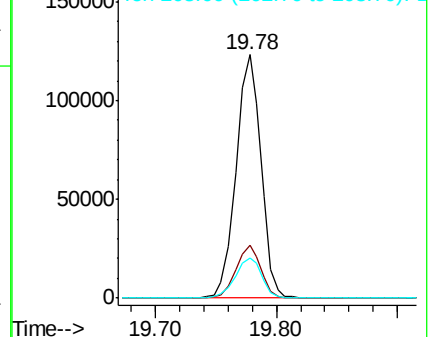


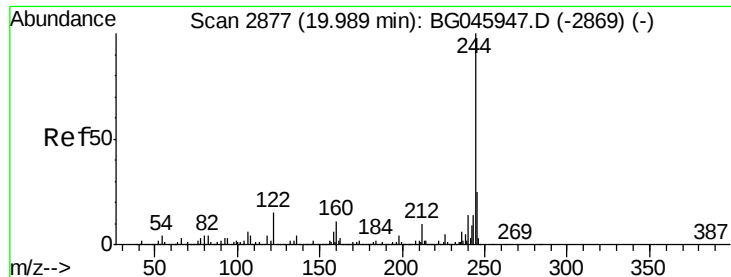
Abundance

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: 57.160 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

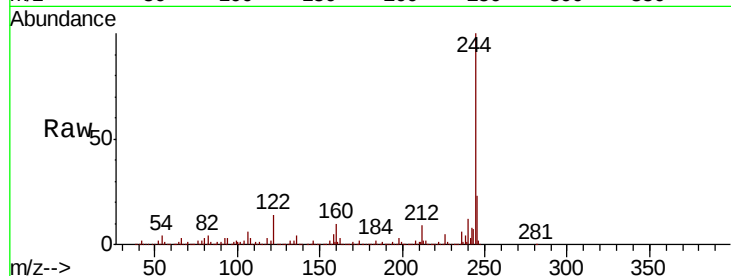
Tot Ion:244 Resp: 1724158

Ion Ratio Lower Upper

244 100

212 8.6 8.3 12.5

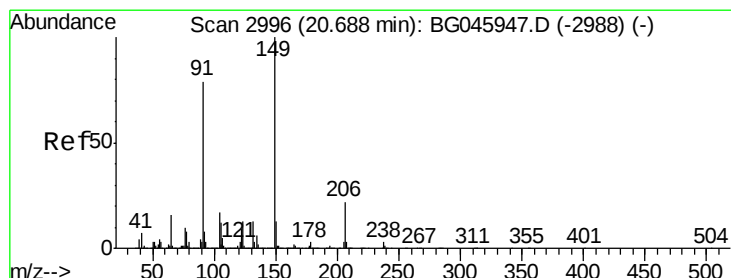
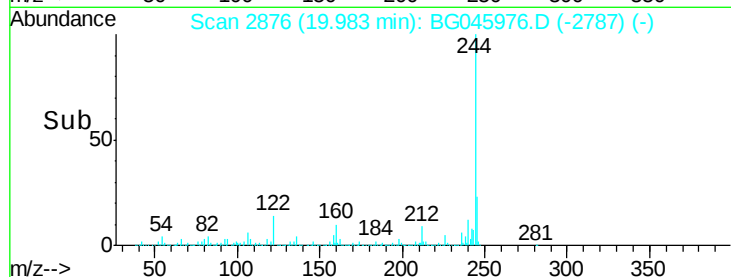
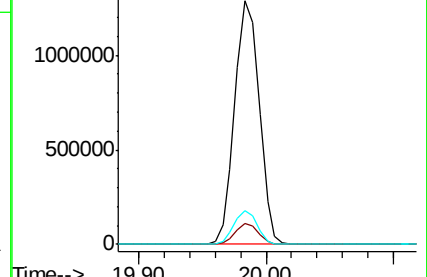
122 13.7 12.1 18.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.061 ng

RT: 20.68 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

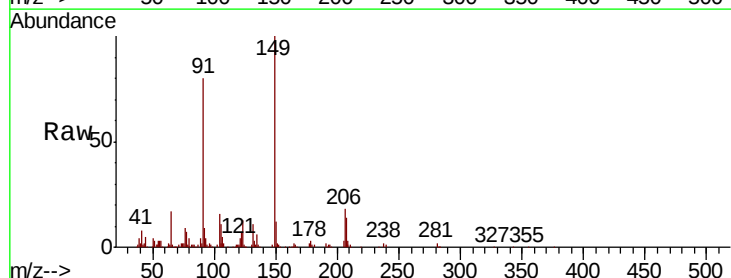
Tgt Ion:149 Resp: 66291

Ion Ratio Lower Upper

149 100

91 80.3 63.1 94.7

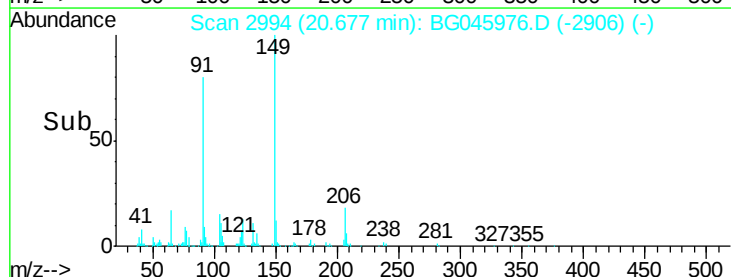
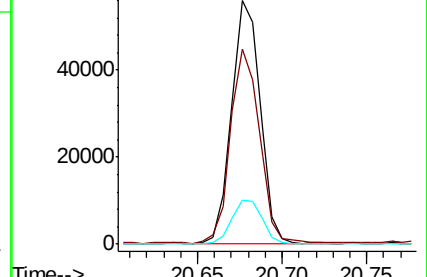
206 17.8 17.4 26.0

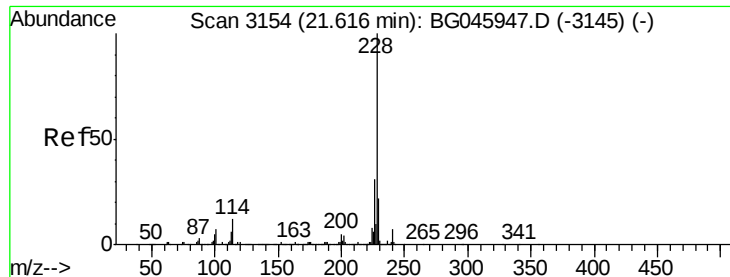


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.681 ng

RT: 21.60 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

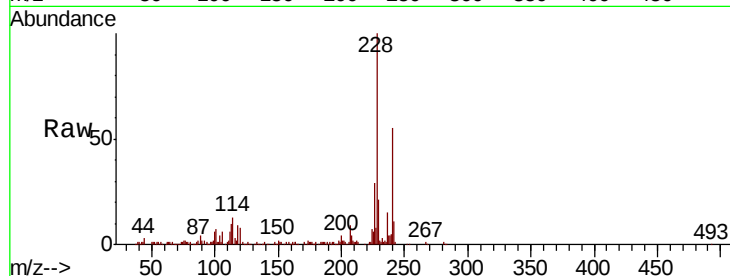
Tot Ion:228 Resp: 162498

Ion Ratio Lower Upper

228 100

226 29.0 24.8 37.2

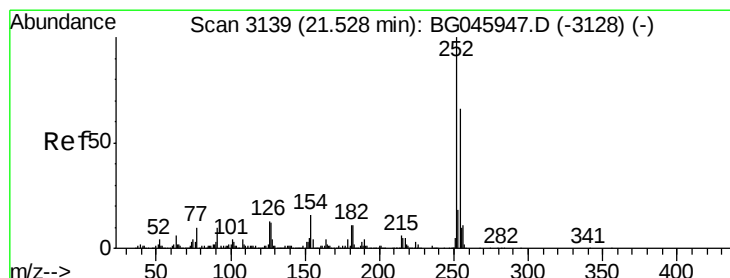
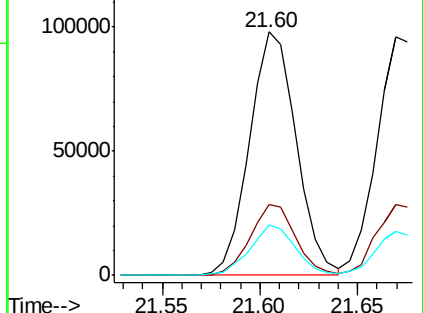
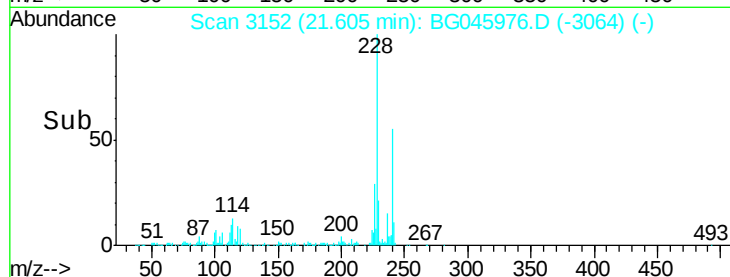
229 20.5 17.8 26.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 3.596 ng

RT: 21.52 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

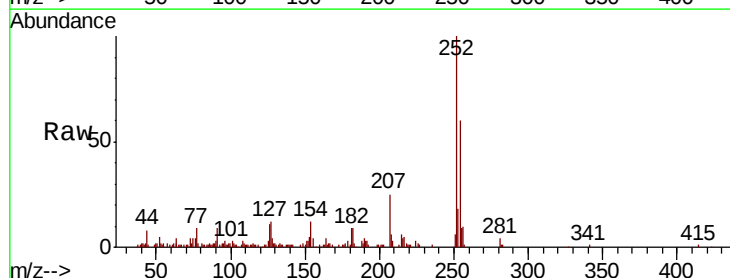
Tgt Ion:252 Resp: 58652

Ion Ratio Lower Upper

252 100

254 60.1 52.9 79.3

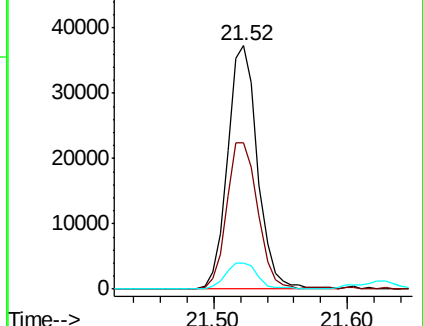
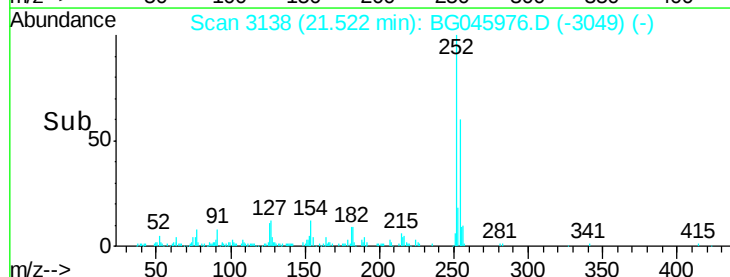
126 10.8 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 3.650 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

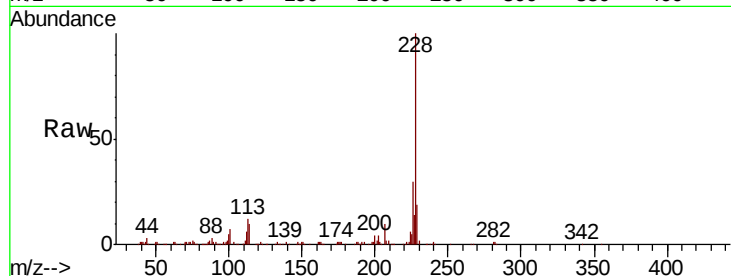
Tot Ion:228 Resp: 153480

Ion Ratio Lower Upper

228 100

226 29.9 26.7 40.1

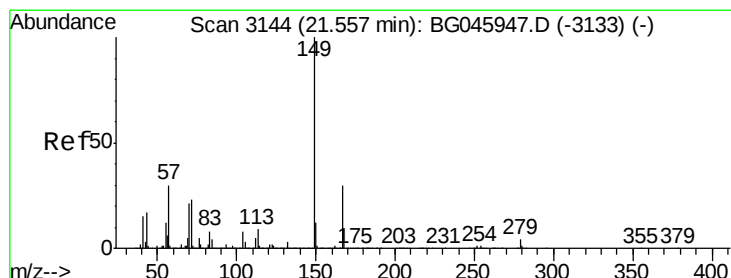
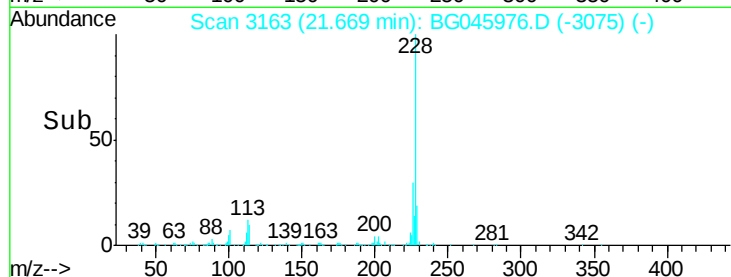
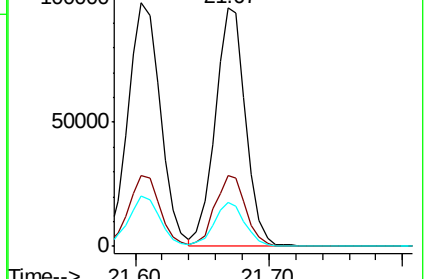
229 18.6 17.3 25.9



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: 3.354 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

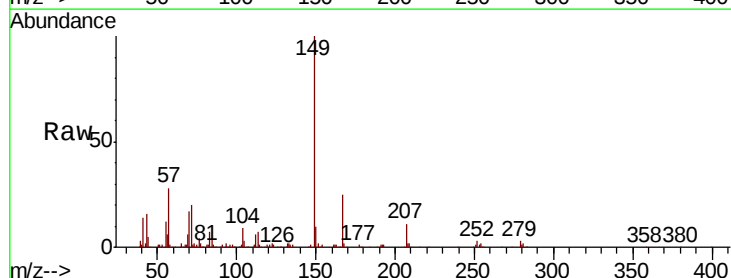
Tgt Ion:149 Resp: 105416

Ion Ratio Lower Upper

149 100

167 24.7 23.8 35.8

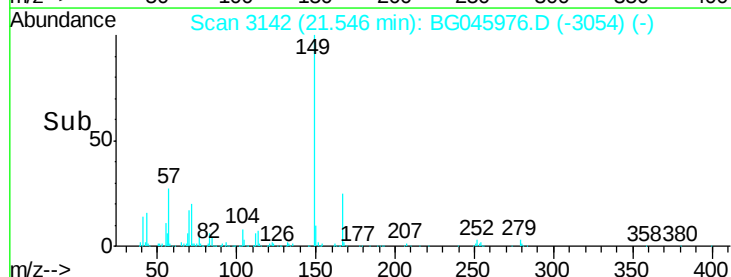
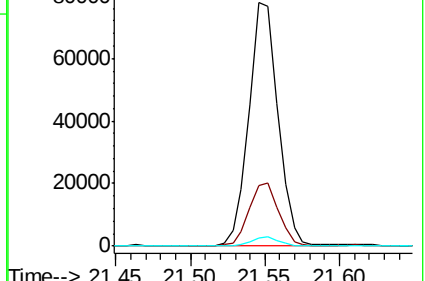
279 3.2 3.5 5.3#

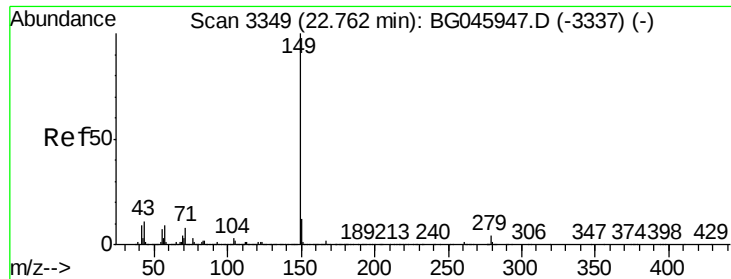


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 3.110 ng

RT: 22.75 min Scan# 3347

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

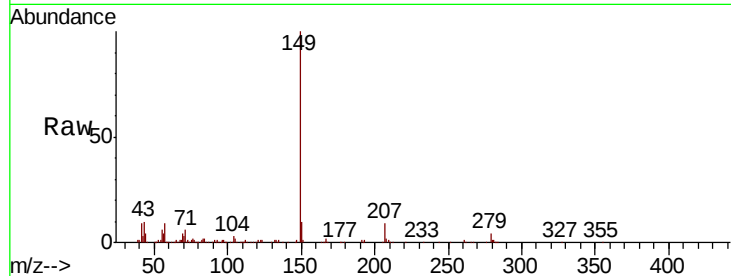
Tot Ion:149 Resp: 169638

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

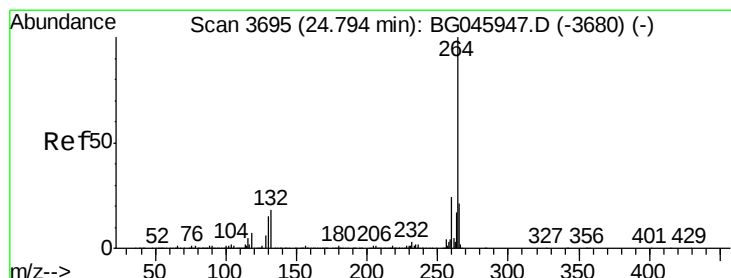
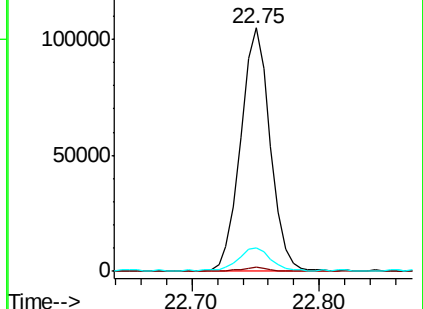
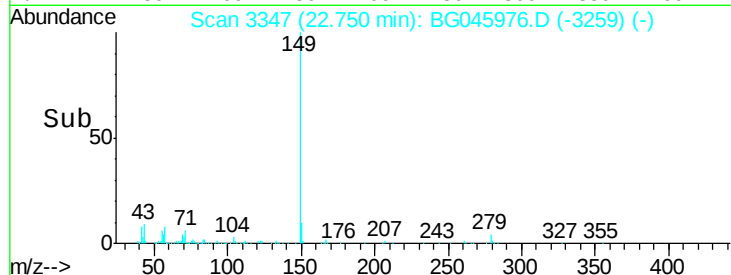
43 10.4 8.6 12.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

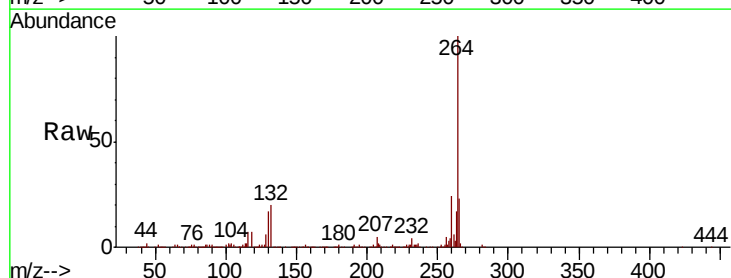
Tgt Ion:264 Resp: 658631

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

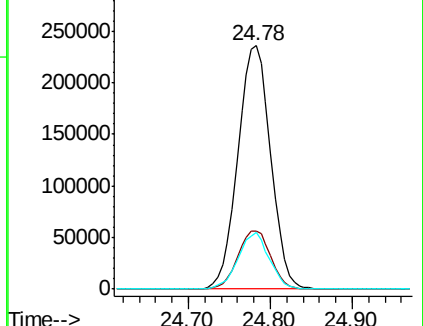
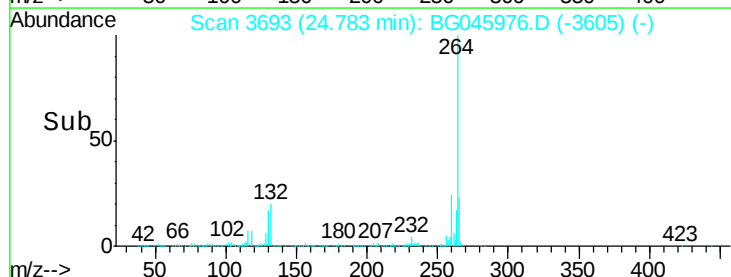
265 23.1 16.9 25.3

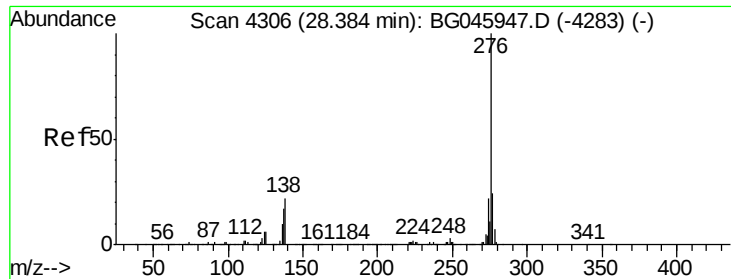


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

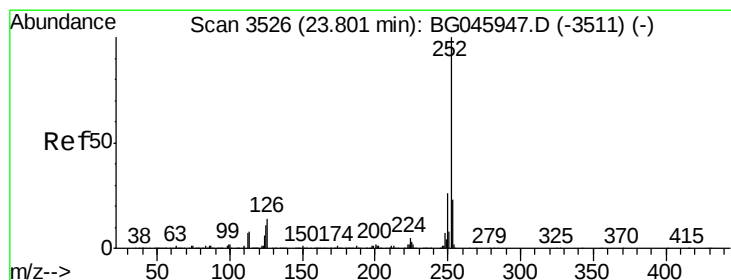
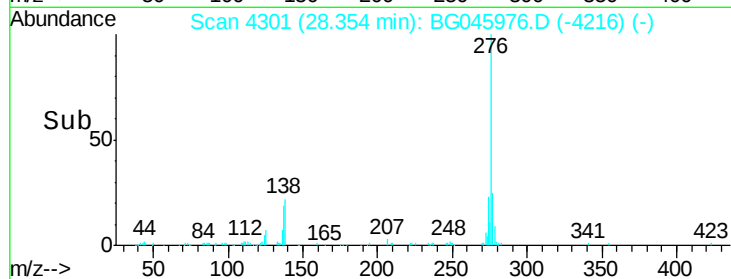
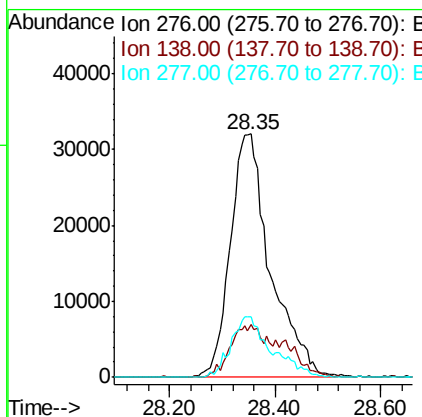
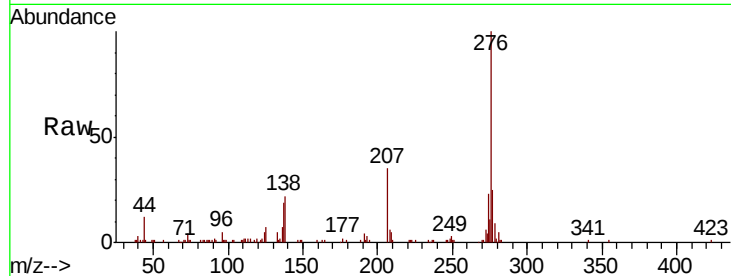




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.504 ng
 RT: 28.35 min Scan# 4301
 Delta R.T. -0.03 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

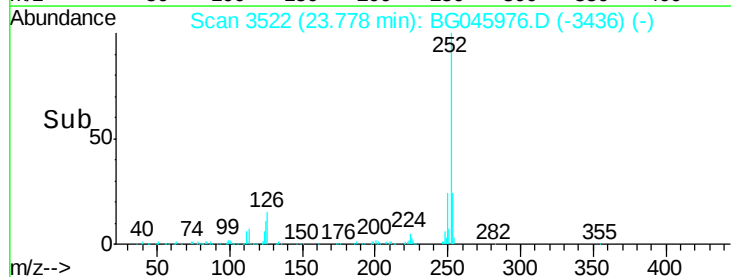
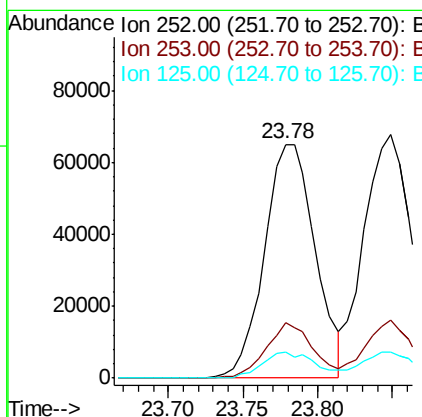
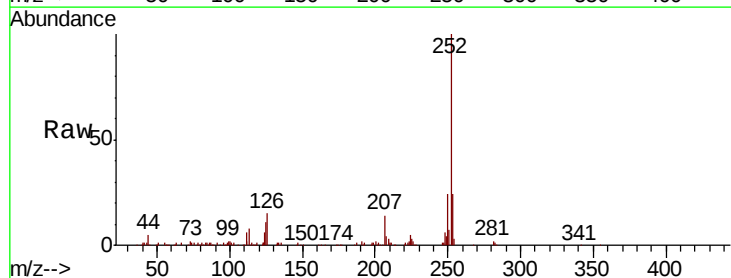
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

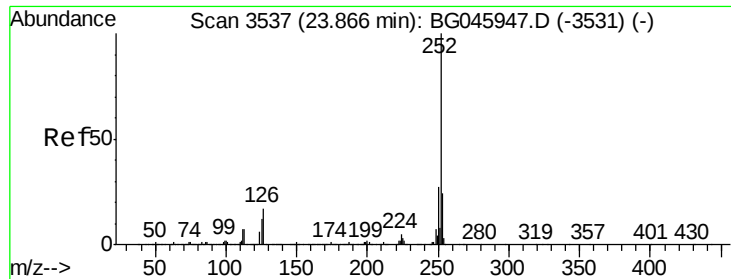
Tot Ion:276 Resp: 168824
 Ion Ratio Lower Upper
 276 100
 138 10.0 16.4 24.6#
 277 25.3 20.6 31.0



#88
 Benzo(b)fluoranthene
 Concen: 3.677 ng
 RT: 23.78 min Scan# 3522
 Delta R.T. -0.02 min
 Lab File: BG045976.D
 Acq: 8 Jul 2020 11:31

Tgt Ion:252 Resp: 153733
 Ion Ratio Lower Upper
 252 100
 253 23.6 18.5 27.7
 125 11.0 9.2 13.8





#89

Benzo(k)fluoranthene

Concen: 3.870 ng

RT: 23.85 min Scan# 3534

Delta R.T. -0.02 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

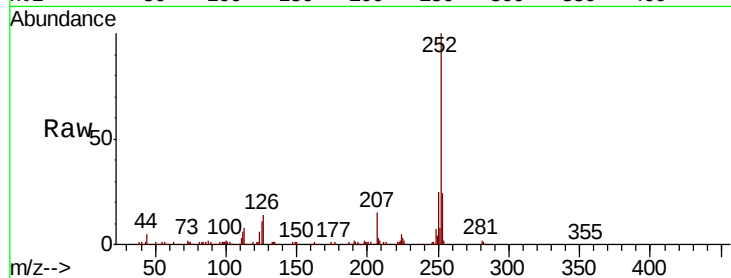
Tot Ion:252 Resp: 153006

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

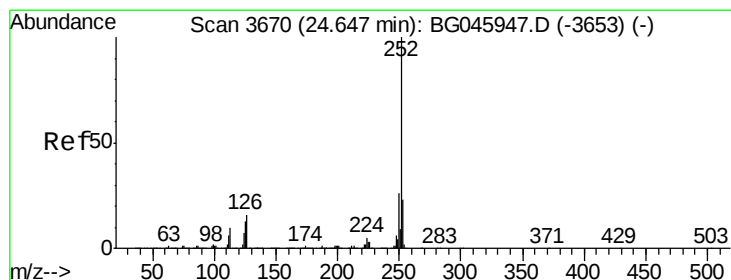
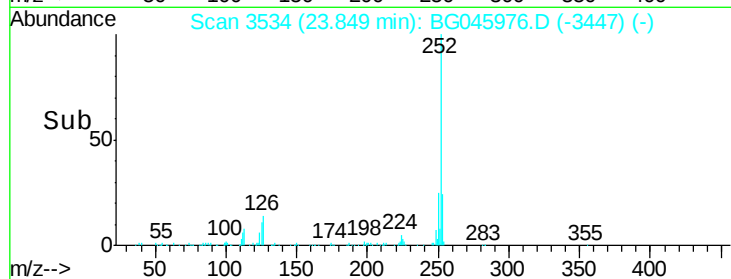
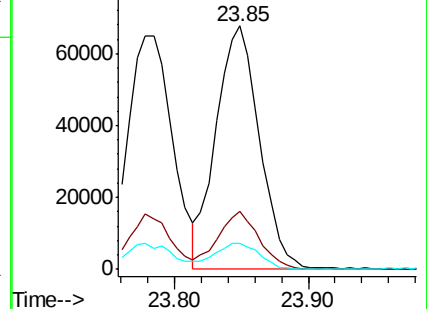
125 10.9 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.579 ng

RT: 24.63 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BG045976.D

Acq: 8 Jul 2020 11:31

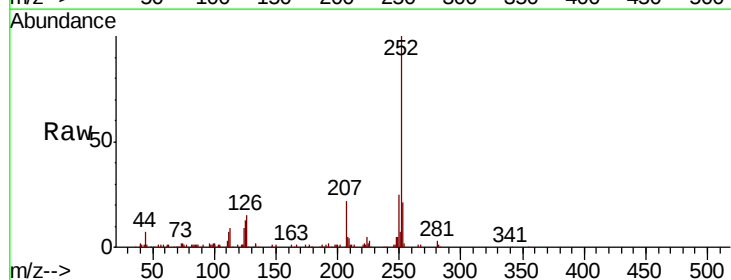
Tgt Ion:252 Resp: 140715

Ion Ratio Lower Upper

252 100

253 21.1 18.6 28.0

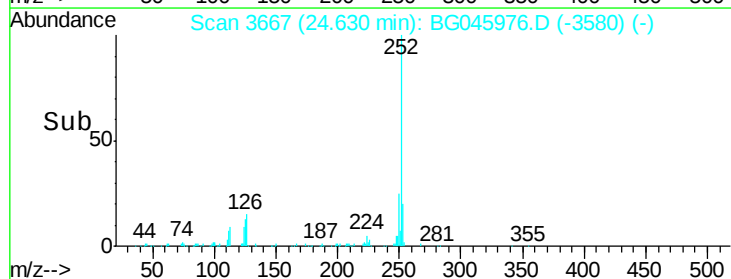
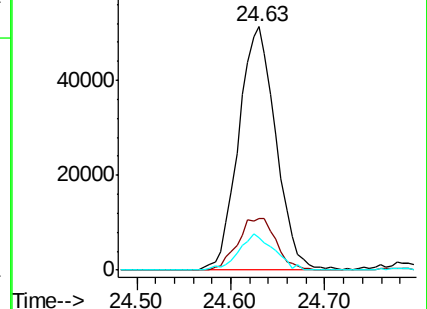
125 13.2 10.5 15.7

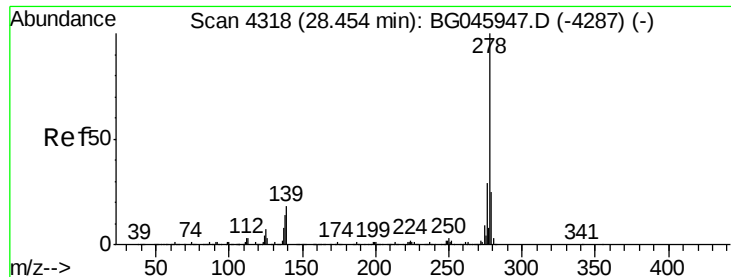


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

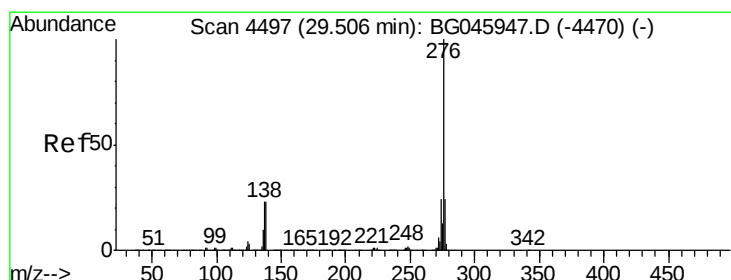
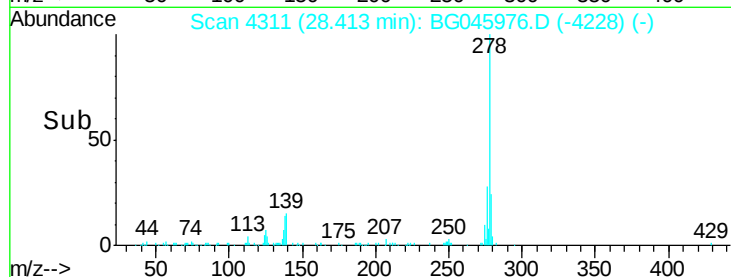
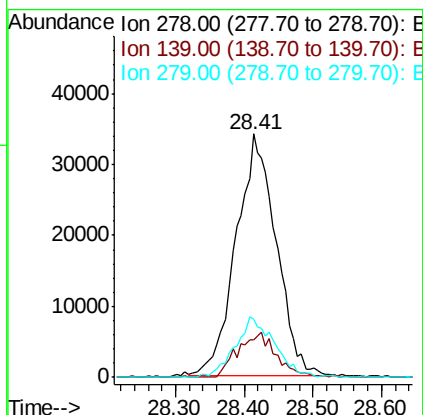
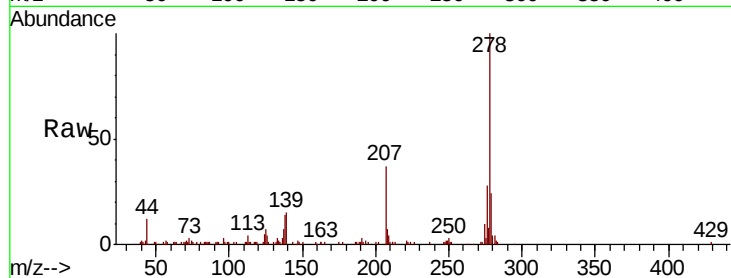




#91
Dibenzo(a,h)anthracene
Concen: 3.582 ng
RT: 28.41 min Scan# 4311
Delta R.T. -0.04 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

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

Tot Ion:278 Resp: 139188
Ion Ratio Lower Upper
278 100
139 15.3 14.3 21.5
279 23.8 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 3.617 ng
RT: 29.46 min Scan# 4489
Delta R.T. -0.05 min
Lab File: BG045976.D
Acq: 8 Jul 2020 11:31

Tgt Ion:276 Resp: 141468
Ion Ratio Lower Upper
276 100
277 23.1 19.4 29.0
138 26.5 18.6 28.0

