

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045990.D
 Acq On : 9 Jul 2020 11:05
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 09 12:03:20 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	146239	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	605234	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	361512	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	740704	20.00	ng	0.00
76) Chrysene-d12	21.63	240	655647	20.00	ng	0.00
86) Perylene-d12	24.78	264	648550	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	837723	92.90	ng	0.00
7) Phenol-d6	7.17	99	1237452	95.31	ng	0.00
23) Nitrobenzene-d5	9.16	82	880918	83.78	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	313931	93.57	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1705213	73.58	ng	0.00
79) Terphenyl-d14	19.98	244	1751322	59.45	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.52	88	33863	8.139	ng	99
3) Pyridine	3.90	79	75288	5.985	ng	93
4) n-Nitrosodimethylamine	3.82	42	31782	7.471	ng	# 98
6) Aniline	7.33	93	119174	7.175	ng	99
8) 2-Chlorophenol	7.57	128	69454	7.155	ng	99
9) Benzaldehyde	7.14	77	81130	9.863	ng	96
10) Phenol	7.19	94	94452	7.252	ng	98
11) bis(2-Chloroethyl)ether	7.42	93	76832	7.134	ng	99
12) 1,3-Dichlorobenzene	7.90	146	80484	7.193	ng	98
13) 1,4-Dichlorobenzene	8.04	146	78802	7.159	ng	98
14) 1,2-Dichlorobenzene	8.36	146	73745	6.961	ng	95
15) Benzyl Alcohol	8.23	79	68314	6.711	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.53	45	99224	7.062	ng	94
17) 2-Methylphenol	8.44	107	62678	6.414	ng	97
18) Hexachloroethane	9.09	117	30173	7.124	ng	94
19) n-Nitroso-di-n-propylamine	8.80	70	65905	7.226	ng	95
20) 3+4-Methylphenols	8.76	107	84658	6.356	ng	94
22) Acetophenone	8.82	105	120170	7.432	ng	# 94
24) Nitrobenzene	9.20	77	89987	7.754	ng	98
25) Isophorone	9.72	82	173096	6.743	ng	# 98
26) 2-Nitrophenol	9.91	139	25255	6.676	ng	# 89
27) 2,4-Dimethylphenol	9.97	122	66333	7.260	ng	97
28) bis(2-Chloroethoxy)methane	10.21	93	102581	7.116	ng	98
29) 2,4-Dichlorophenol	10.45	162	60684	6.416	ng	98
30) 1,2,4-Trichlorobenzene	10.67	180	71243	6.798	ng	97
31) Naphthalene	10.85	128	229438	7.071	ng	99
32) Benzoic acid	10.03	122	17116	3.459	ng	# 80
33) 4-Chloroaniline	10.95	127	96772	6.675	ng	93
34) Hexachlorobutadiene	11.15	225	38889	6.355	ng	94
35) Caprolactam	11.69	113	22290	6.207	ng	91
36) 4-Chloro-3-methylphenol	12.06	107	70407	6.535	ng	99
37) 2-Methylnaphthalene	12.46	142	167106	7.245	ng	97
38) 1-Methylnaphthalene	12.46	142	167106	7.677	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	75151	7.374	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
 Data File : BG045990.D
 Acq On : 9 Jul 2020 11:05
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 09 12:03:20 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

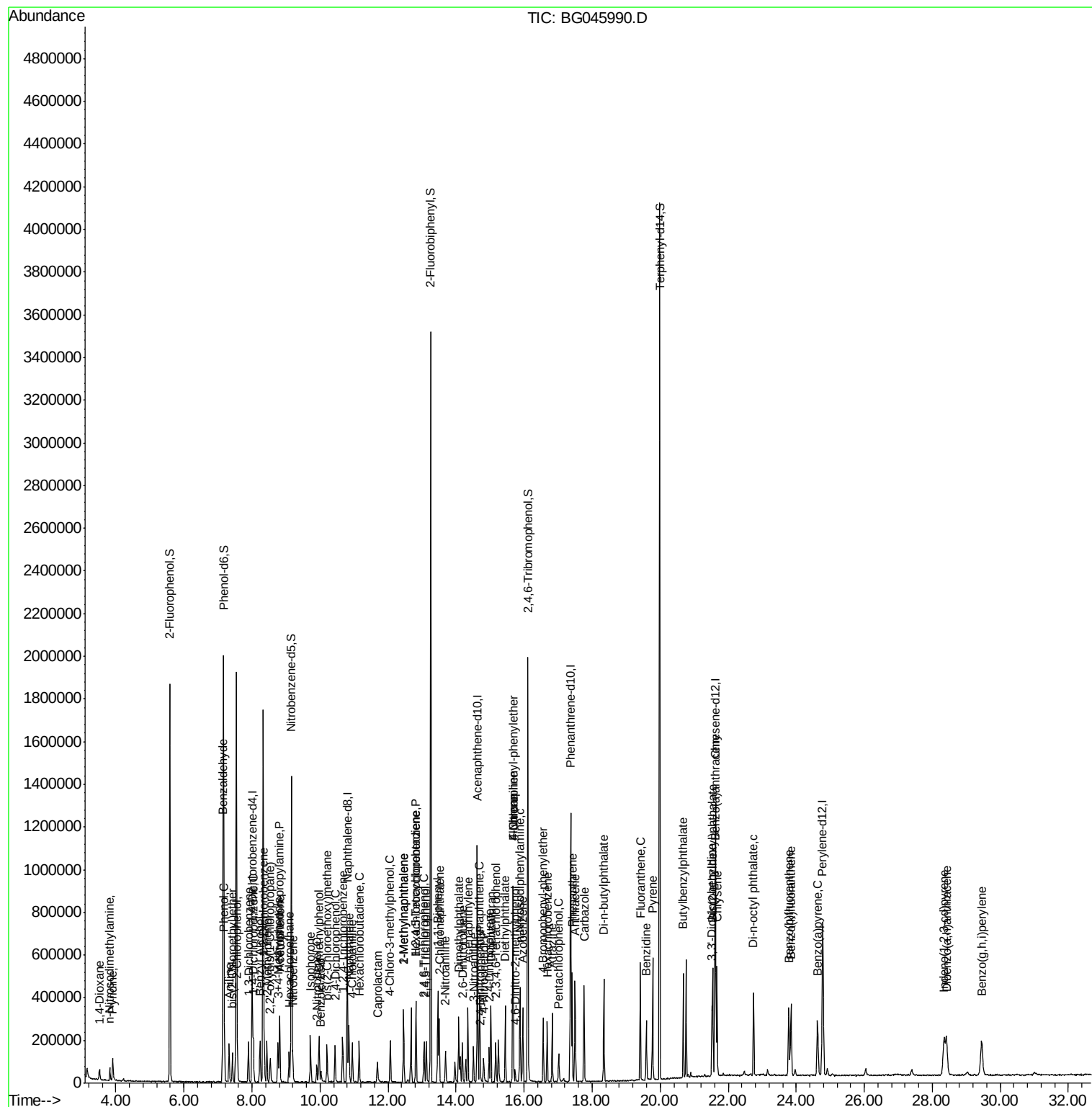
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	39579	6.545	ng	97
43) 2,4,6-Trichlorophenol	13.06	196	43902	6.370	ng	95
44) 2,4,5-Trichlorophenol	13.13	196	47802	6.134	ng	92
46) 1,1'-Biphenyl	13.46	154	213425	7.848	ng	98
47) 2-Chloronaphthalene	13.50	162	150094	6.995	ng	97
48) 2-Nitroaniline	13.69	65	39638	7.893	ng	94
49) Acenaphthylene	14.34	152	253510	7.323	ng	97
50) Dimethylphthalate	14.08	163	187664	6.917	ng	# 97
51) 2,6-Dinitrotoluene	14.19	165	33148	7.874	ng	90
52) Acenaphthene	14.69	154	147950	6.775	ng	97
53) 3-Nitroaniline	14.51	138	37862	7.258	ng	# 92
54) 2,4-Dinitrophenol	14.72	184	6720	4.525	ng	90
55) Dibenzofuran	15.03	168	233060	7.281	ng	94
56) 4-Nitrophenol	14.81	139	28503	6.448	ng	93
57) 2,4-Dinitrotoluene	14.97	165	40844	7.852	ng	96
58) Fluorene	15.67	166	189658	7.223	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.17	232	37058	6.159	ng	97
60) Diethylphthalate	15.45	149	193935	6.816	ng	96
61) 4-Chlorophenyl-phenylether	15.67	204	87401	6.690	ng	98
62) 4-Nitroaniline	15.67	138	40311	7.189	ng	93
63) Azobenzene	15.96	77	221442	7.251	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	11257	5.189	ng	93
66) n-Nitrosodiphenylamine	15.88	169	161417	7.032	ng	99
67) 4-Bromophenyl-phenylether	16.56	248	52097	6.298	ng	98
68) Hexachlorobenzene	16.68	284	55934	6.738	ng	96
69) Atrazine	16.82	200	52320	7.710	ng	95
70) Pentachlorophenol	17.02	266	22945	4.971	ng	93
71) Phenanthrene	17.41	178	286117	7.307	ng	98
72) Anthracene	17.50	178	295129	7.427	ng	95
73) Carbazole	17.76	167	276050	6.930	ng	# 93
74) Di-n-butylphthalate	18.34	149	328207	6.818	ng	# 95
75) Fluoranthene	19.42	202	329187	7.272	ng	94
77) Benzidine	19.59	184	155711	8.306	ng	98
78) Pyrene	19.78	202	335783	7.503	ng	94
80) Butylbenzylphthalate	20.68	149	130382	6.165	ng	99
81) Benzo(a)anthracene	21.60	228	305757	7.092	ng	95
82) 3,3'-Dichlorobenzidine	21.52	252	110531	6.938	ng	99
83) Chrysene	21.67	228	285848	6.960	ng	97
84) Bis(2-ethylhexyl)phthalate	21.55	149	197134	6.421	ng	94
85) Di-n-octyl phthalate	22.75	149	324151	6.084	ng	99
87) Indeno(1,2,3-cd)pyrene	28.34	276	329731	6.950	ng	96
88) Benzo(b)fluoranthene	23.78	252	290958	7.067	ng	100
89) Benzo(k)fluoranthene	23.85	252	291178	7.480	ng	97
90) Benzo(a)pyrene	24.62	252	262781	6.788	ng	96
91) Dibenzo(a,h)anthracene	28.41	278	269346	7.038	ng	99
92) Benzo(g,h,i)perylene	29.45	276	272195	7.068	ng	99

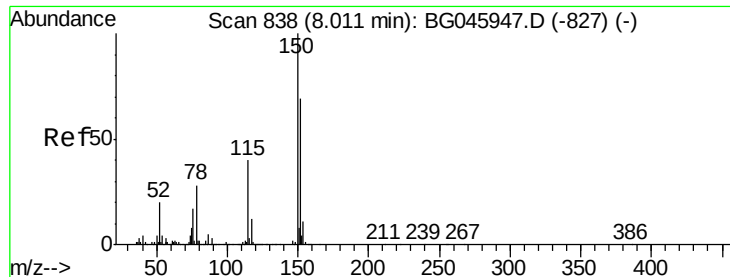
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045990.D
Acq On : 9 Jul 2020 11:05
Operator : CG/JU
Sample : L3216-03
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Quant Time: Jul 09 12:03:20 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



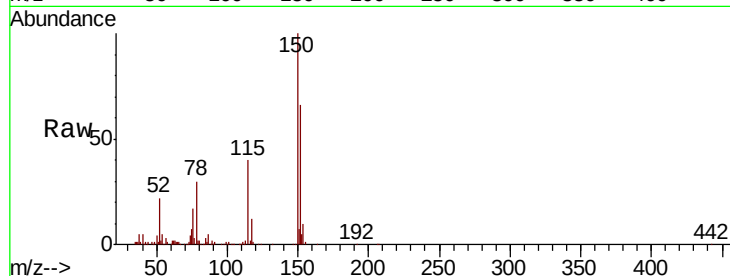


#1

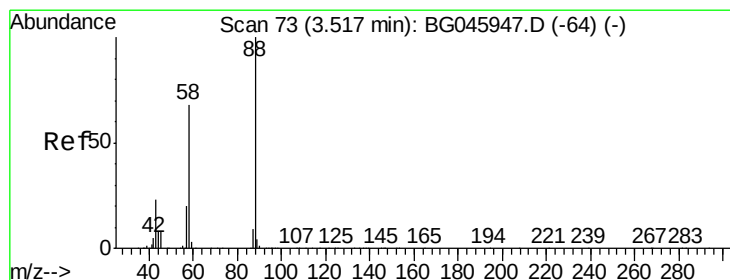
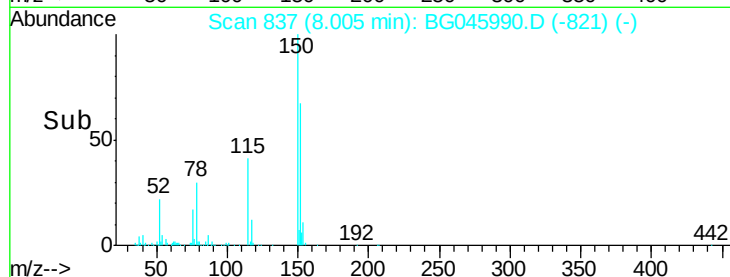
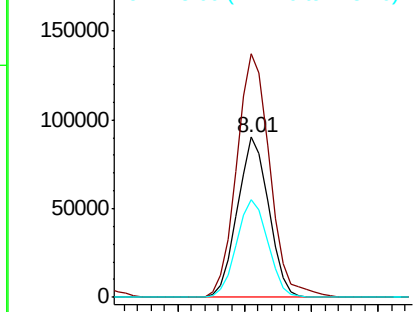
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	152	Resp	146239
Ion Ratio	Lower	Upper	
152	100		
150	151.9	116.7	175.1
115	60.8	47.4	71.0



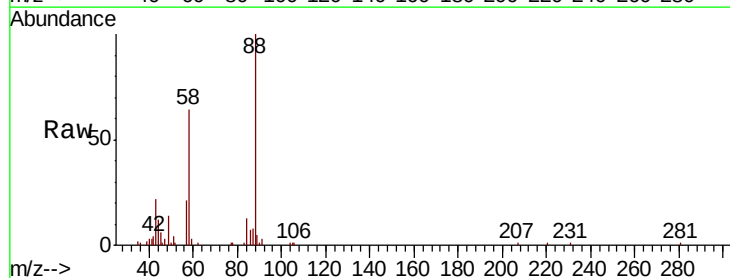
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



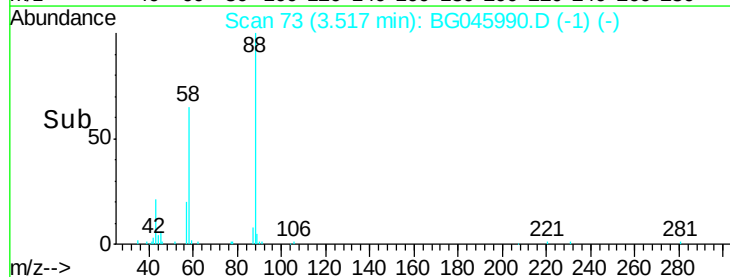
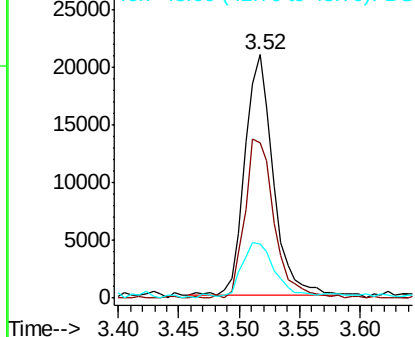
#2

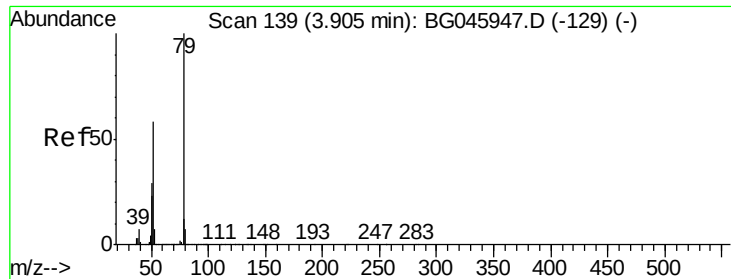
1,4-Dioxane
Concen: 8.139 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	88	Resp	33863
Ion Ratio	Lower	Upper	
88	100		
58	69.7	55.2	82.8
43	25.3	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

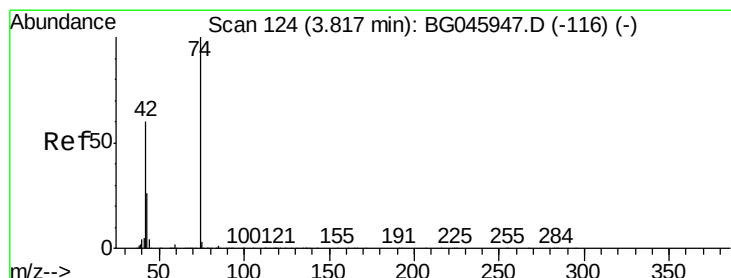
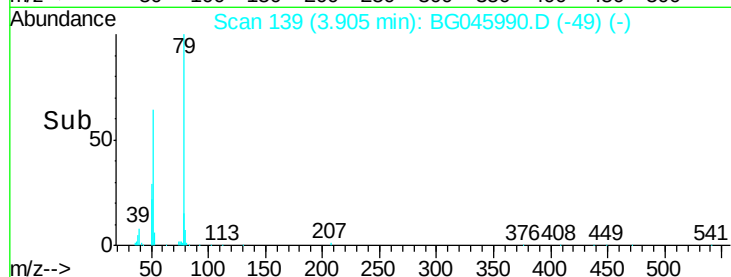
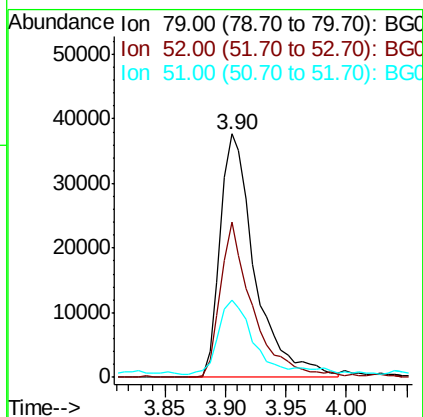
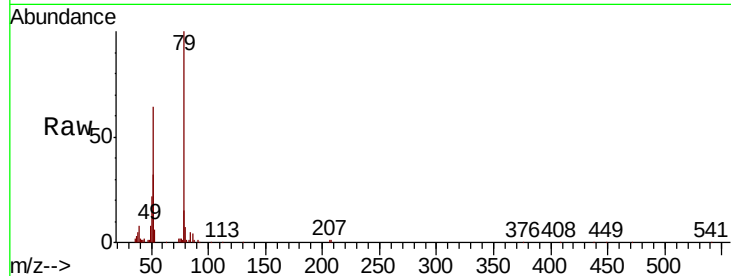




#3
 Pvridine
 Concen: 5.985 ng
 RT: 3.90 min Scan# 139
 Delta R.T. 0.00 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

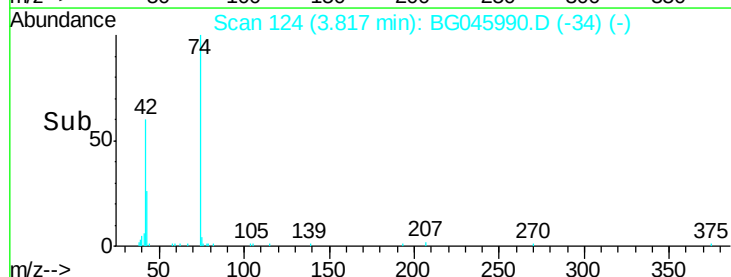
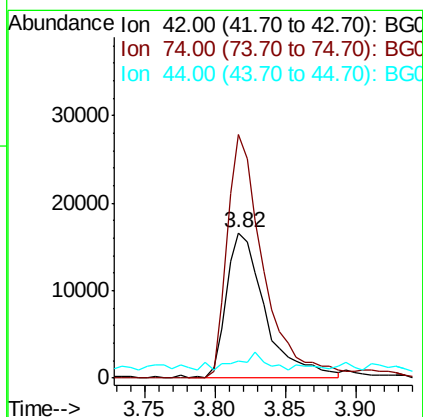
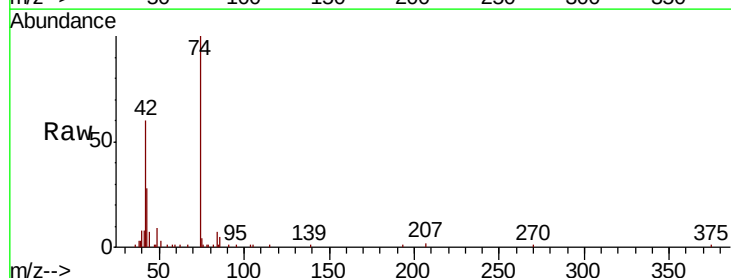
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

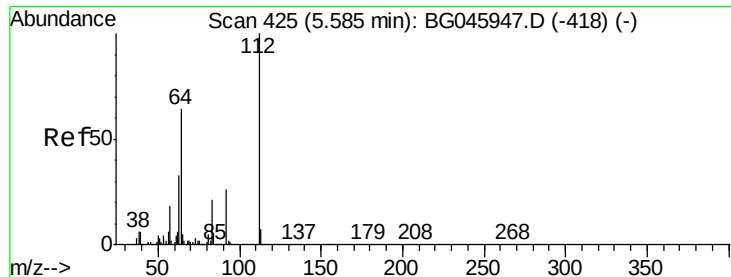
Tot Ion: 79 Resp: 75288
 Ion Ratio Lower Upper
 79 100
 52 63.7 46.5 69.7
 51 31.9 23.5 35.3



#4
 n-Nitrosodimethylamine
 Concen: 7.471 ng
 RT: 3.82 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion: 42 Resp: 31782
 Ion Ratio Lower Upper
 42 100
 74 167.7 131.9 197.9
 44 11.9 7.7 11.5#





#5

2-Fluorophenol

Concen: 92.896 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

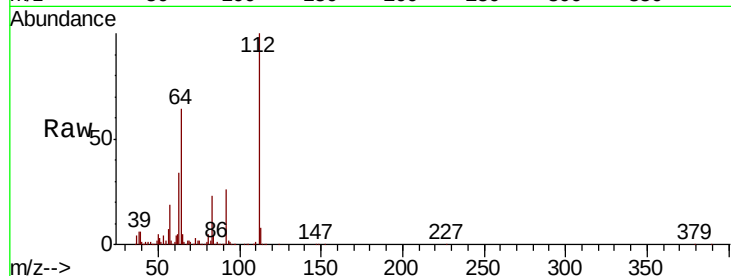
Tot Ion:112 Resp: 837723

Ion Ratio Lower Upper

112 100

64 64.0 51.4 77.2

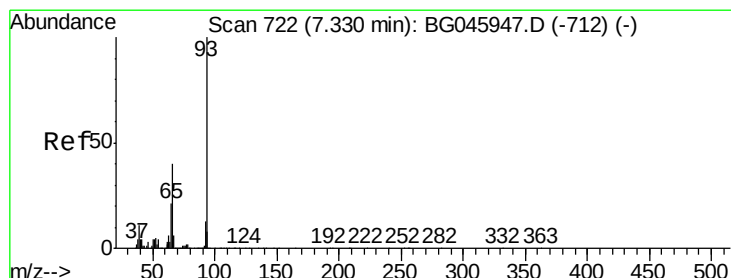
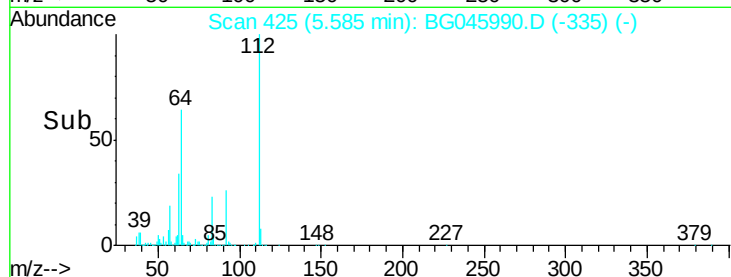
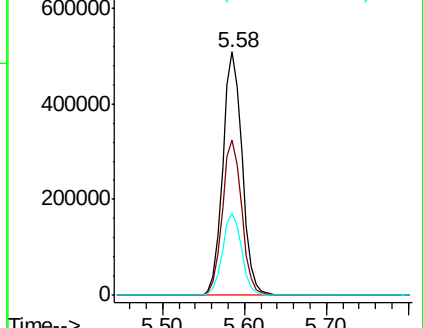
63 33.7 26.6 40.0



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: 7.175 ng

RT: 7.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

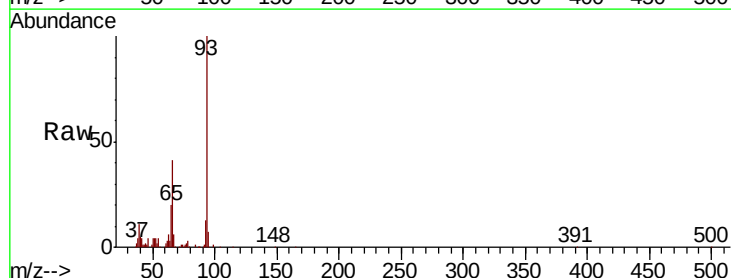
Tgt Ion: 93 Resp: 119174

Ion Ratio Lower Upper

93 100

66 40.6 32.3 48.5

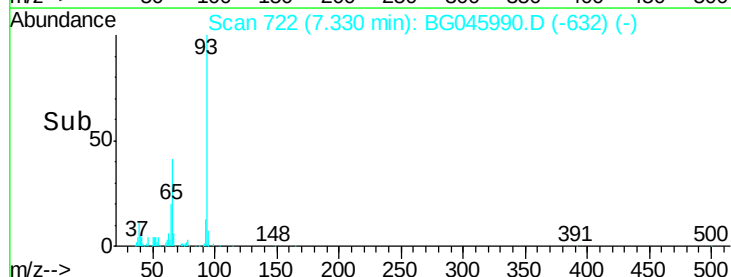
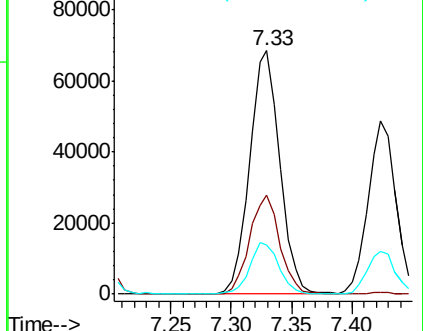
65 20.3 16.6 25.0

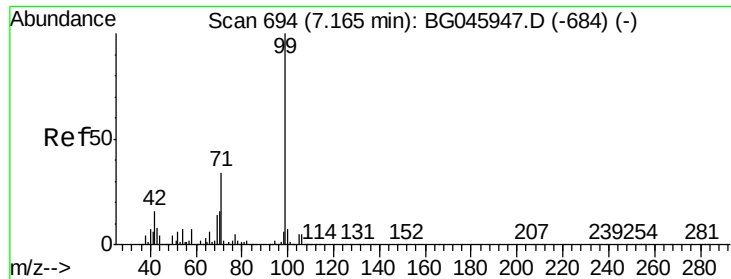


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 95.313 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

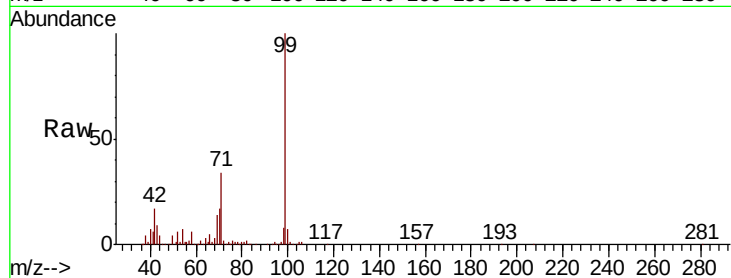
BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 99 Resp: 1237452

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.0	19.4
71	34.3	27.5	41.3

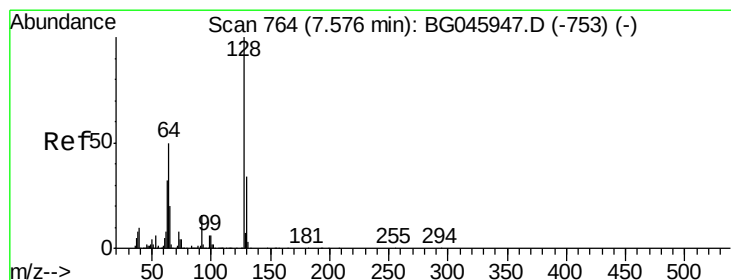
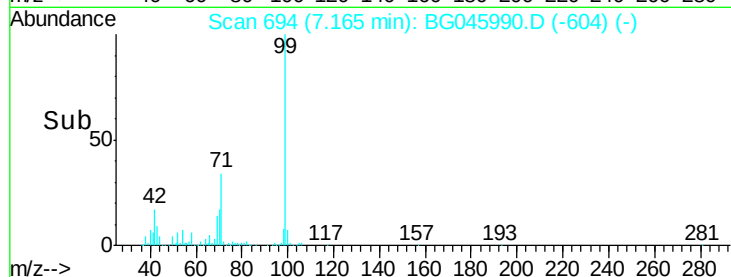
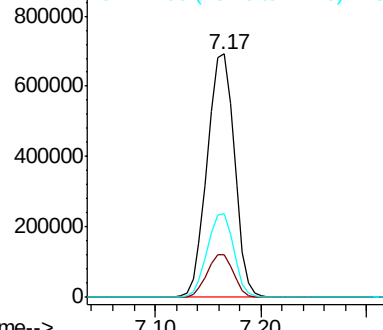


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 7.155 ng

RT: 7.57 min Scan# 763

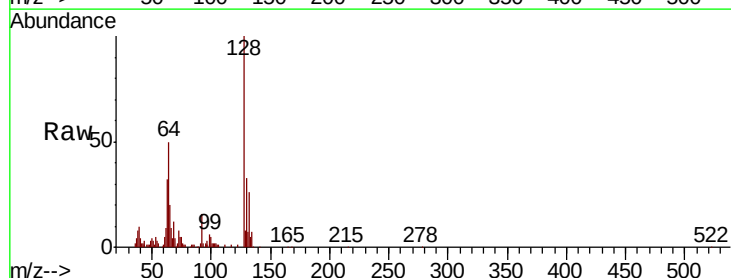
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion: 128 Resp: 69454

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.6	53.6
64	50.3	30.6	70.6

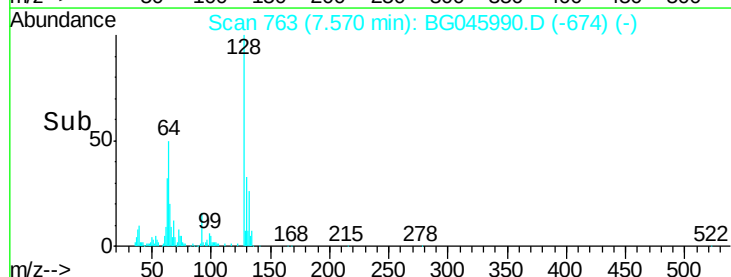
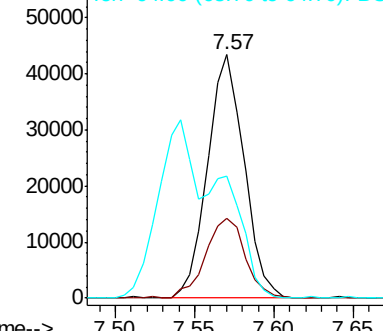


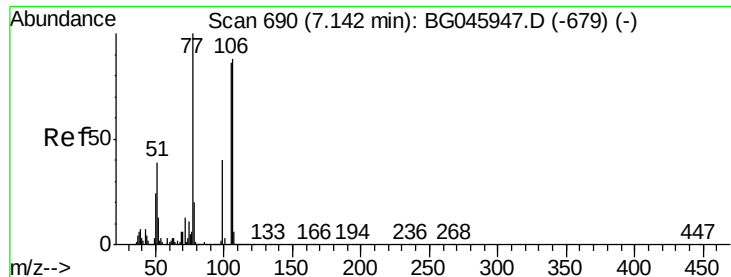
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 9.863 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

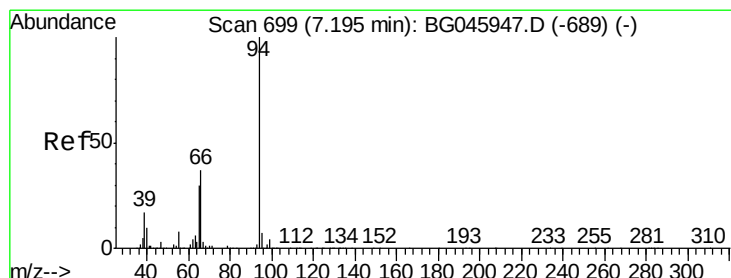
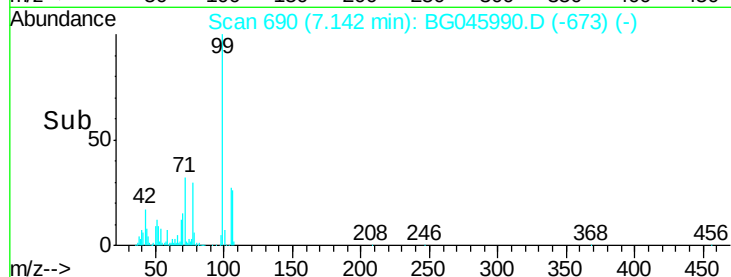
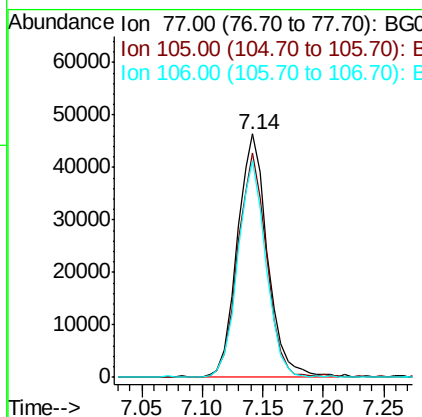
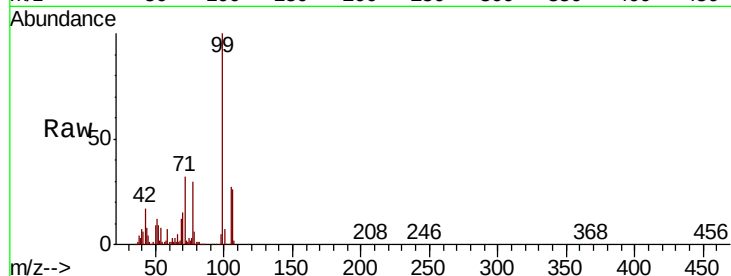
Tot Ion: 77 Resp: 81130

Ion Ratio Lower Upper

77 100

105 92.1 66.0 106.0

106 88.8 67.7 107.7



#10

Phenol

Concen: 7.252 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

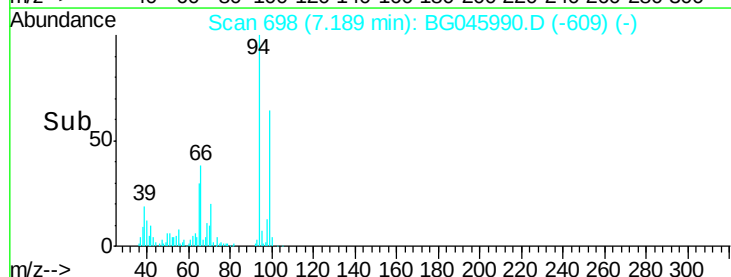
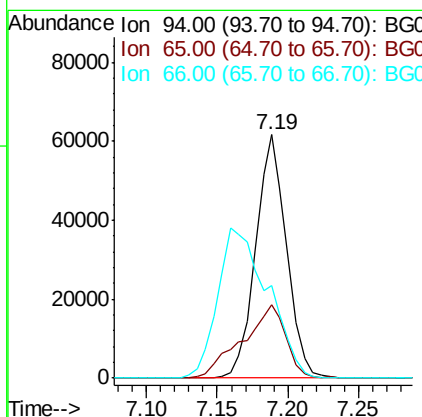
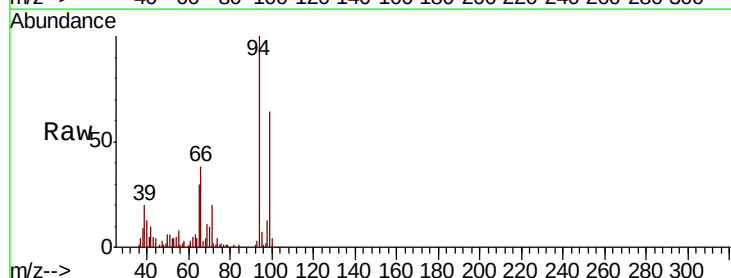
Tgt Ion: 94 Resp: 94452

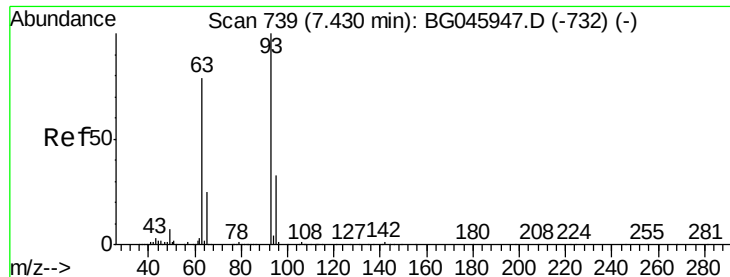
Ion Ratio Lower Upper

94 100

65 30.0 10.6 50.6

66 38.3 17.1 57.1

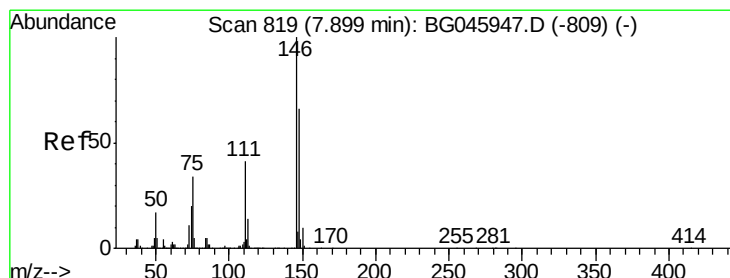
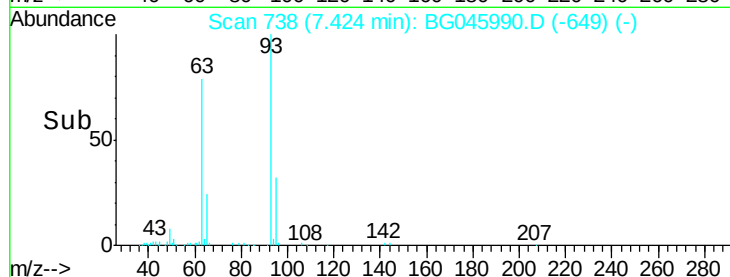
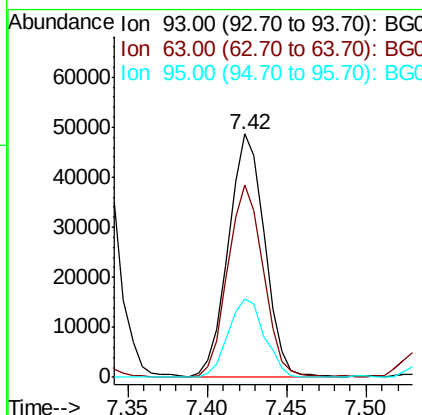
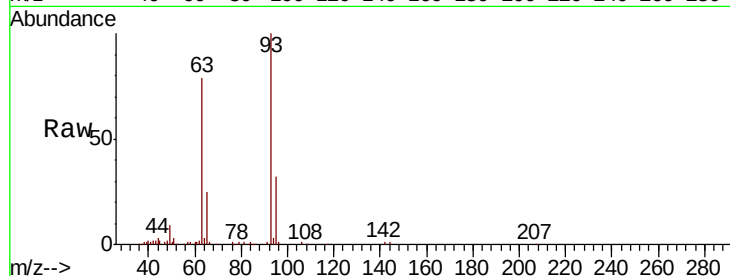




#11
bis(2-Chloroethyl)ether
Concen: 7.134 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

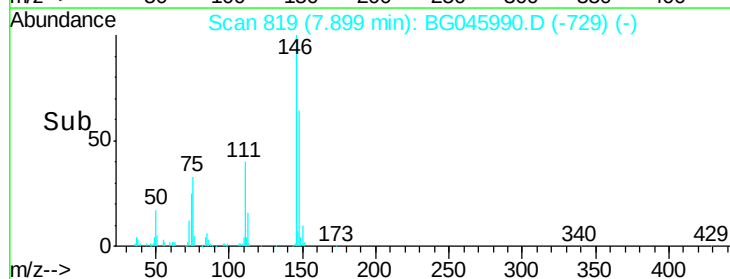
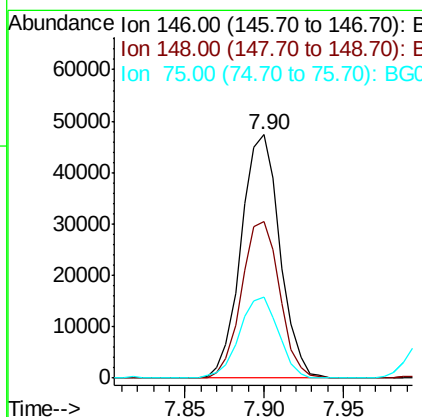
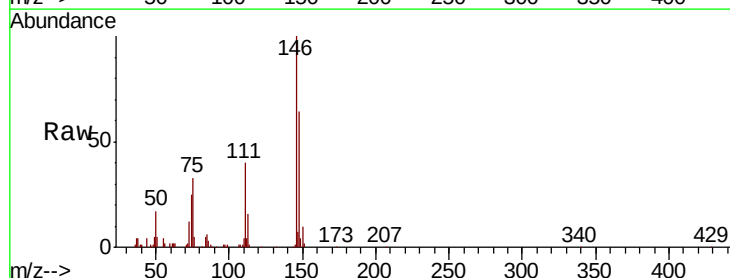
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

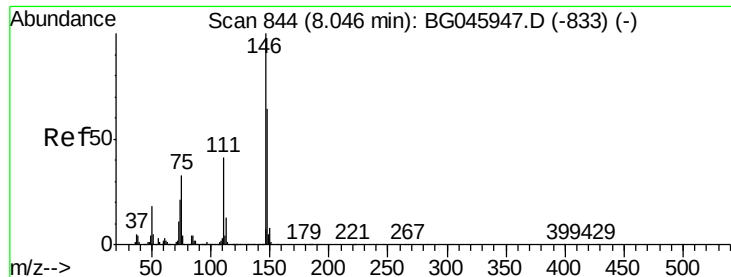
Tot Ion: 93 Resp: 76832
Ion Ratio Lower Upper
93 100
63 79.1 58.6 98.6
95 32.4 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 7.193 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion: 146 Resp: 80484
Ion Ratio Lower Upper
146 100
148 64.2 52.8 79.2
75 33.1 27.2 40.8

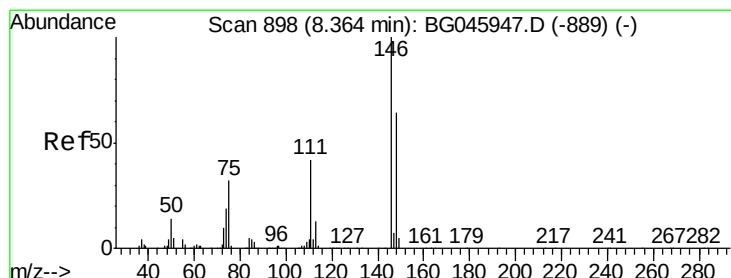
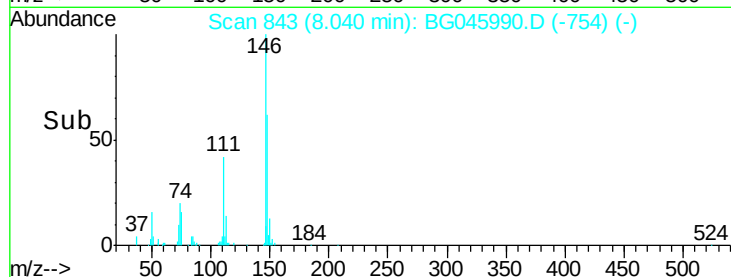
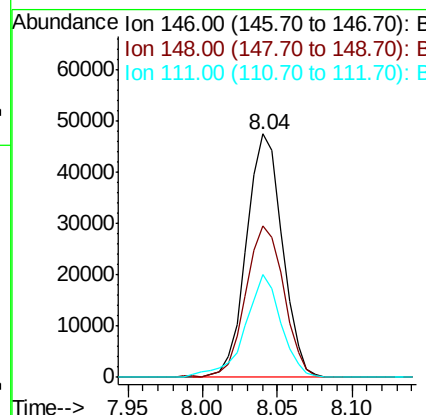
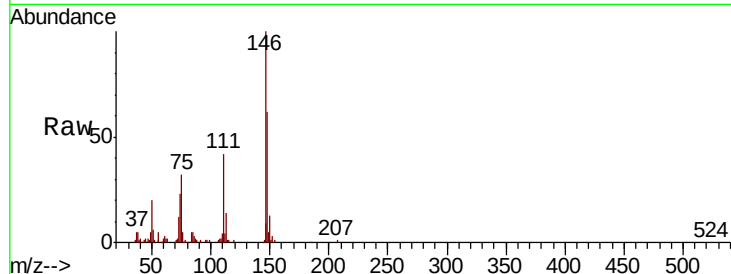




#13
 1,4-Dichlorobenzene
 Concen: 7.159 ng
 RT: 8.04 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

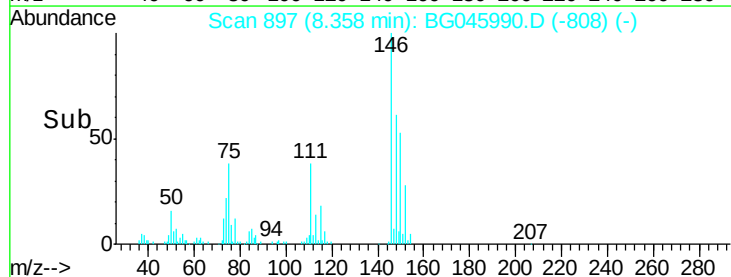
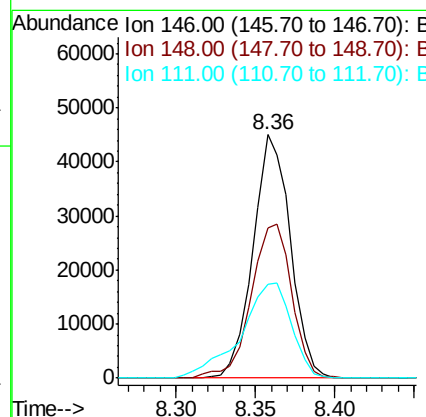
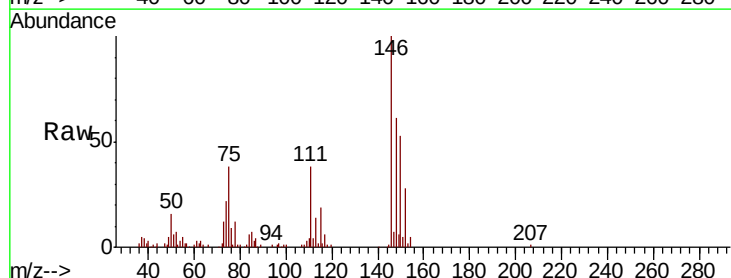
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

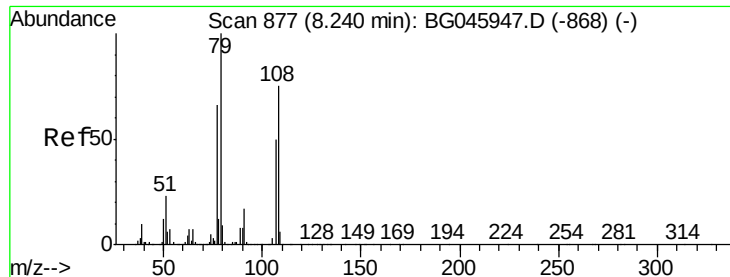
Tot Ion:146 Resp: 78802
 Ion Ratio Lower Upper
 146 100
 148 62.0 51.7 77.5
 111 42.1 33.3 49.9



#14
 1,2-Dichlorobenzene
 Concen: 6.961 ng
 RT: 8.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion:146 Resp: 73745
 Ion Ratio Lower Upper
 146 100
 148 61.4 51.6 77.4
 111 38.5 34.0 51.0

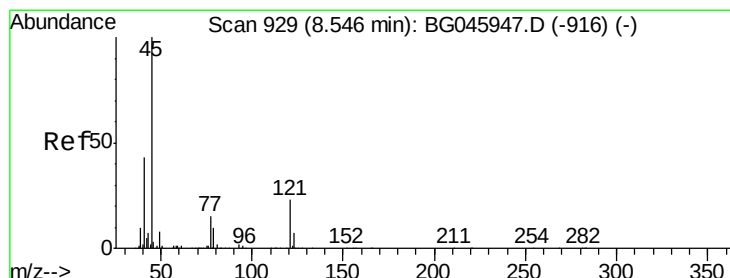
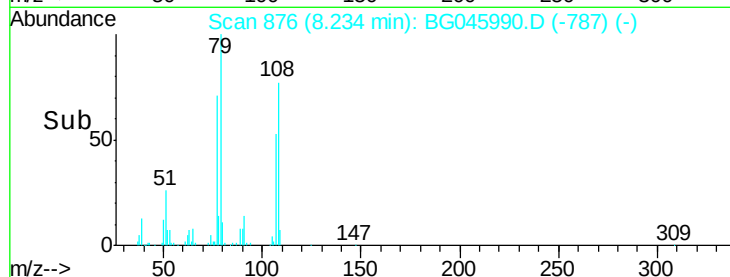
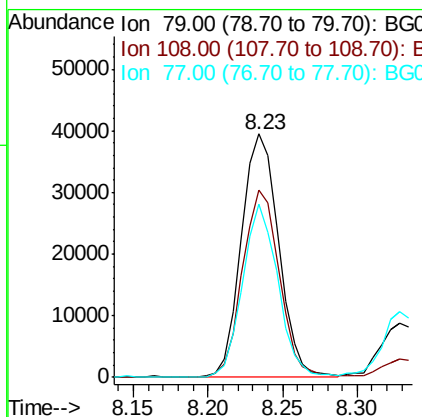
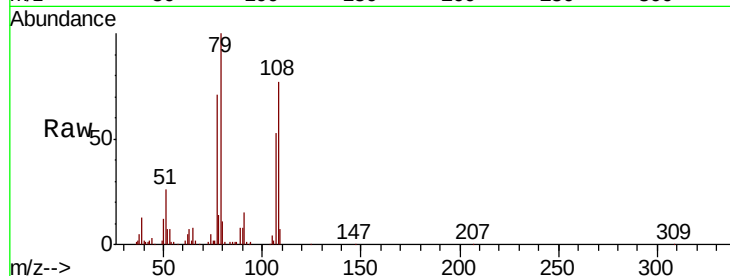




#15
Benzyl Alcohol
Concen: 6.711 ng
RT: 8.23 min Scan# 876
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

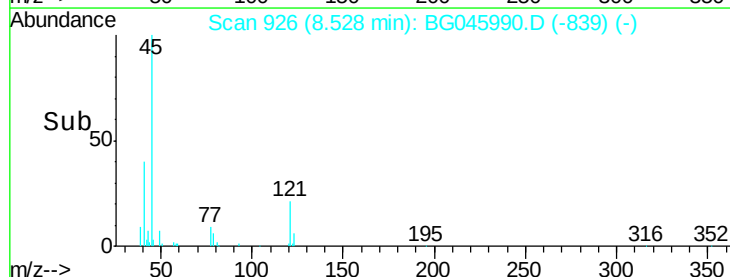
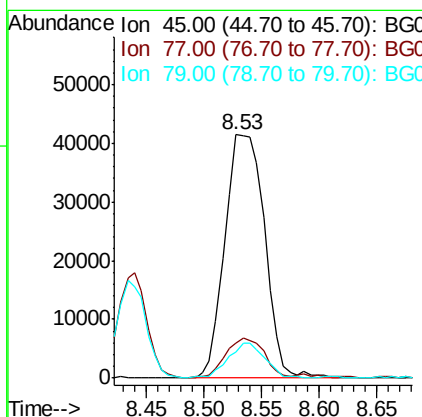
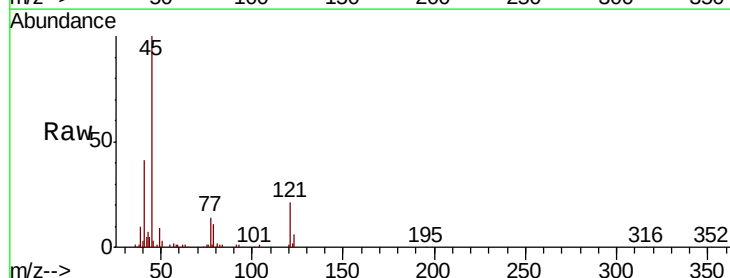
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

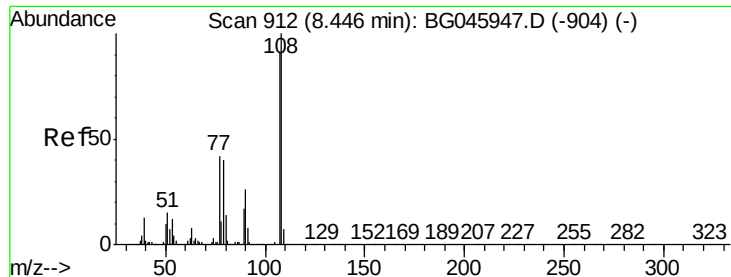
Tot Ion: 79 Resp: 68314
Ion Ratio Lower Upper
79 100
108 77.1 60.2 90.4
77 70.9 52.9 79.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.062 ng
RT: 8.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion: 45 Resp: 99224
Ion Ratio Lower Upper
45 100
77 14.5 0.0 37.6
79 10.7 0.0 32.6

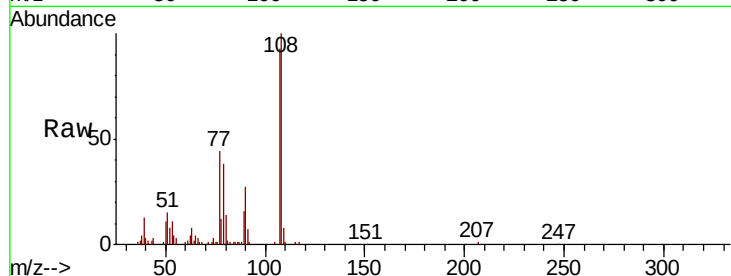




#17
2-Methylphenol
Concen: 6.414 ng
RT: 8.44 min Scan# 911
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
107	100		
108	107.9	88.2	132.4
77	47.7	37.0	55.4
79	41.2	35.4	53.0



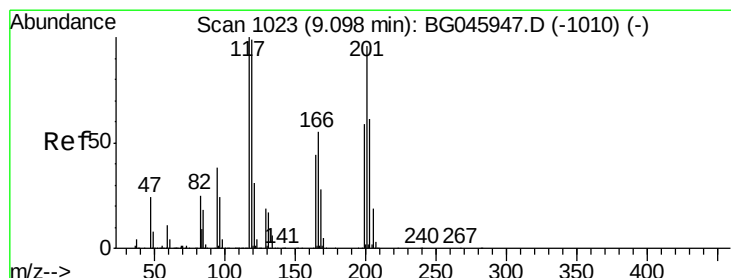
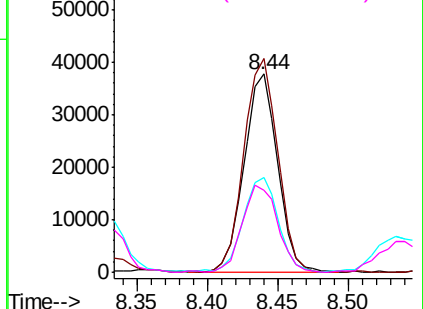
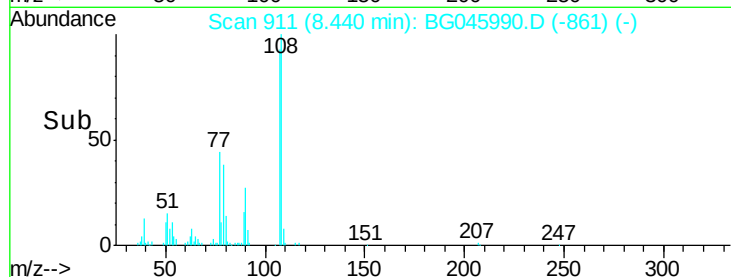
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

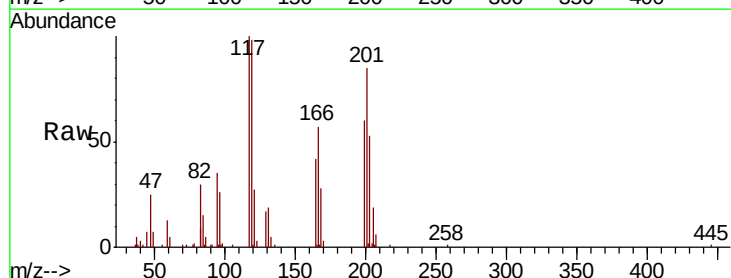
Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 7.124 ng
RT: 9.09 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.5	119.3
201	86.8	77.0	115.4

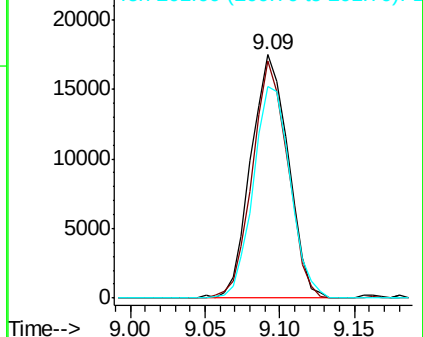
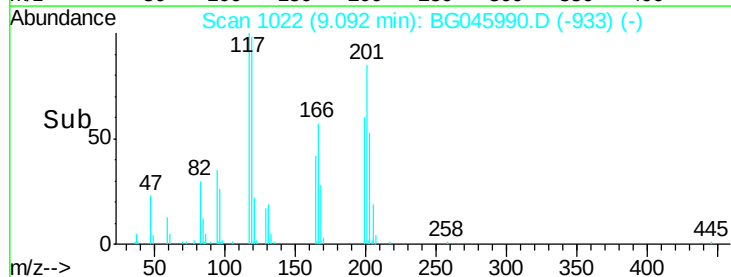


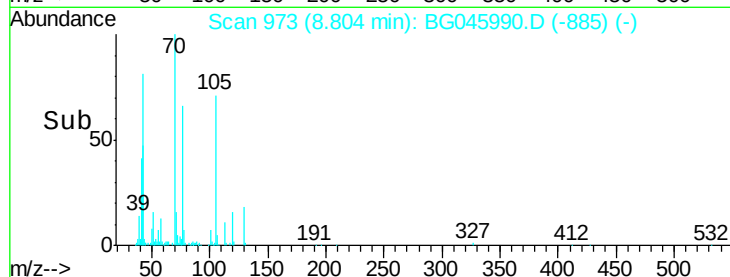
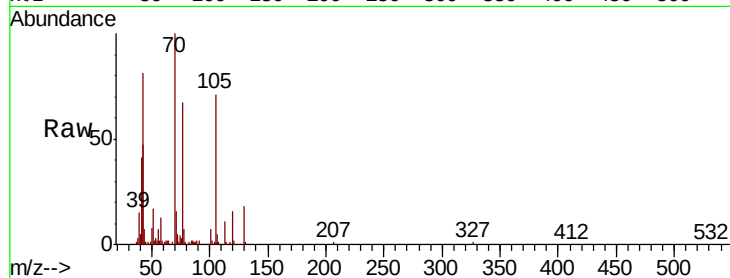
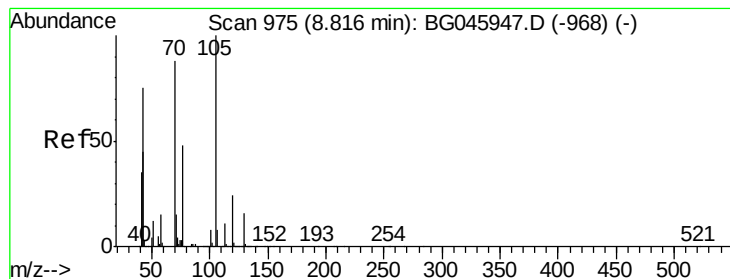
Abundance

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: 7.226 ng

RT: 8.80 min Scan# 973

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 70 Resp: 65905

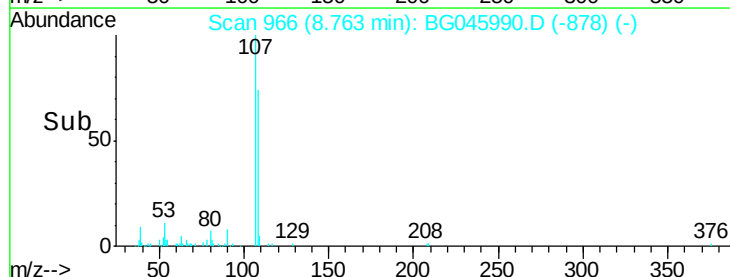
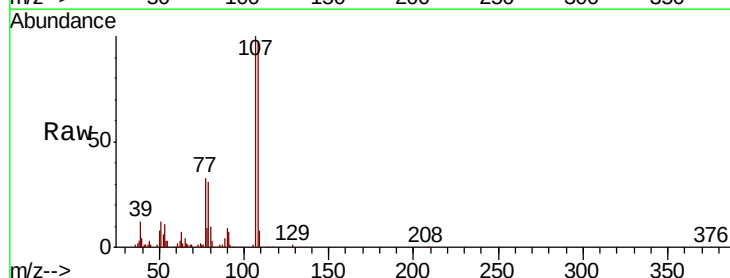
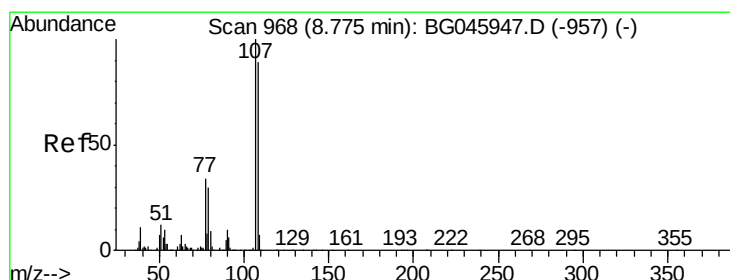
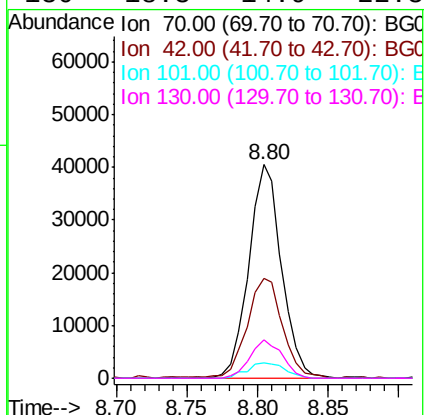
Ion Ratio Lower Upper

70 100

42 46.9 41.4 62.0

101 7.5 7.1 10.7

130 18.3 14.9 22.3



#20

3+4-Methylphenols

Concen: 6.356 ng

RT: 8.76 min Scan# 966

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion: 107 Resp: 84658

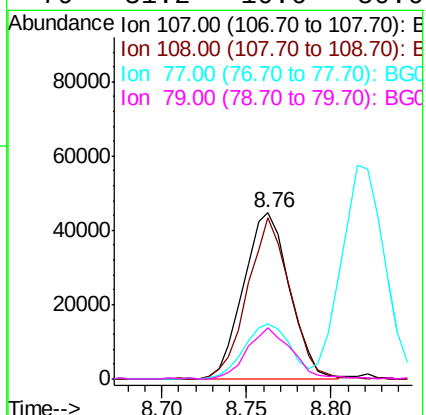
Ion Ratio Lower Upper

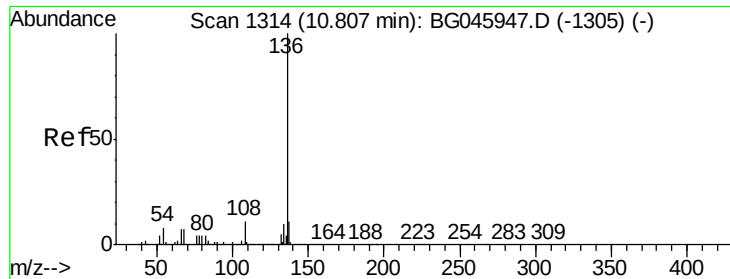
107 100

108 97.0 68.7 108.7

77 32.9 14.6 54.6

79 31.2 10.6 50.6

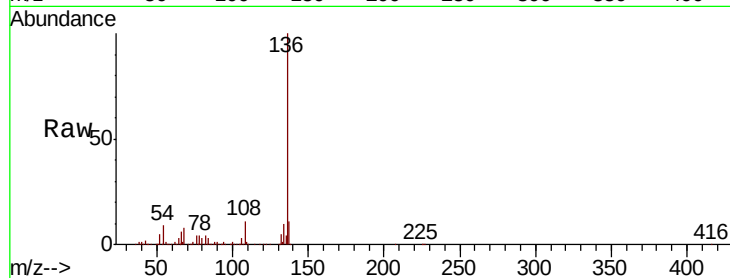




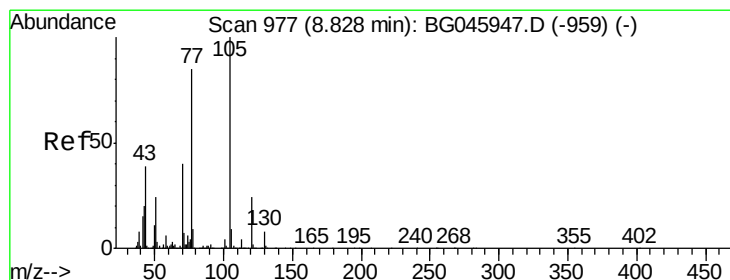
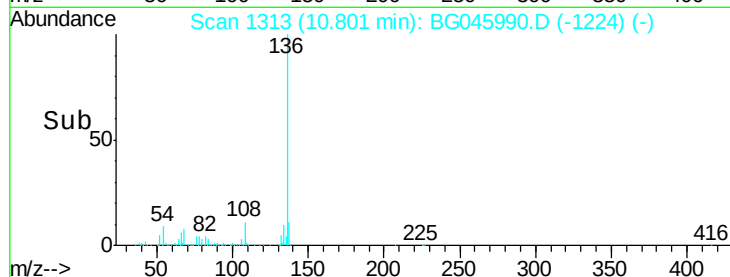
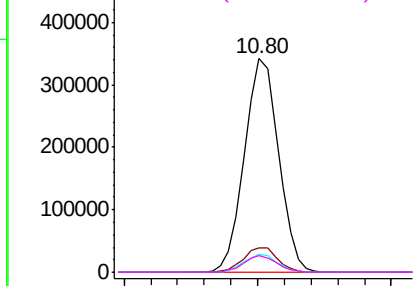
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:136	Resp: 605234
Ion Ratio	Lower Upper
136 100	
137 11.4	9.2 13.8
54 8.6	6.2 9.4
68 7.7	5.8 8.8

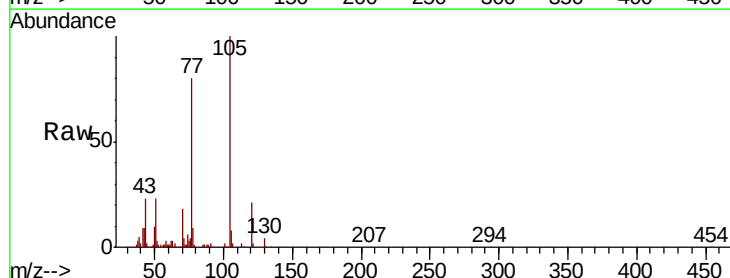


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

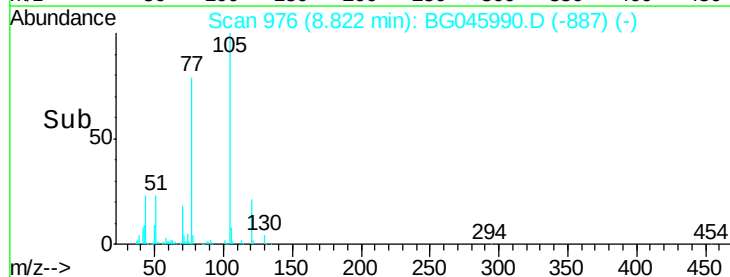
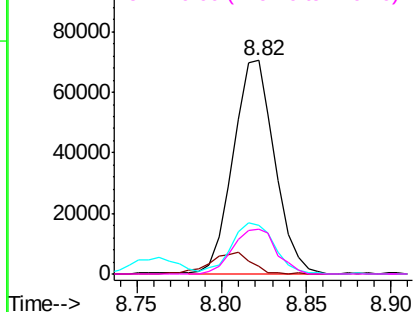


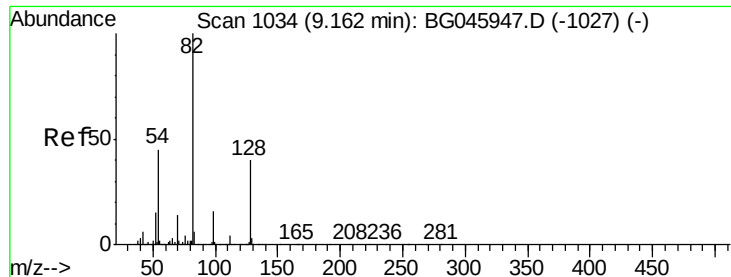
#22
Acetophenone
Concen: 7.432 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt	Ion:105	Resp:	120170
Ion	Ratio	Lower	Upper
105	100		
71	3.8	6.2	9.2#
51	22.7	19.7	29.5
120	21.0	19.2	28.8



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

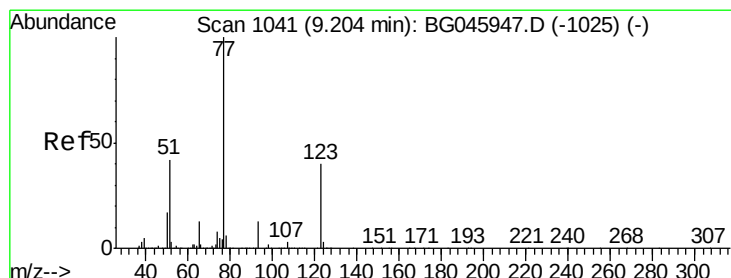
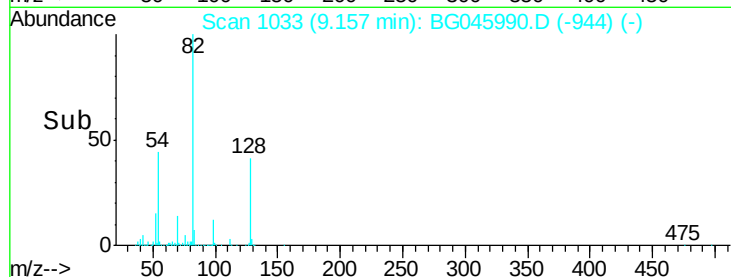
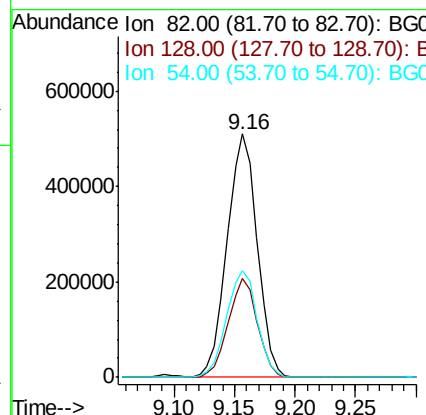
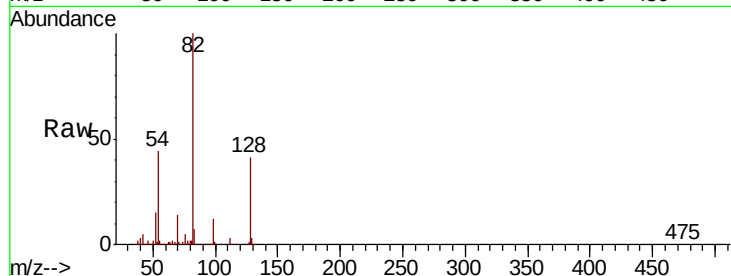




#23
 Nitrobenzene-d5
 Concen: 83.776 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

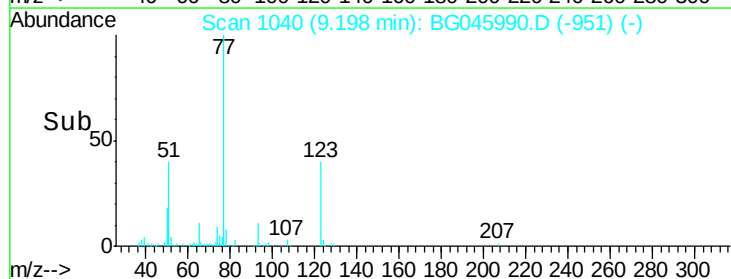
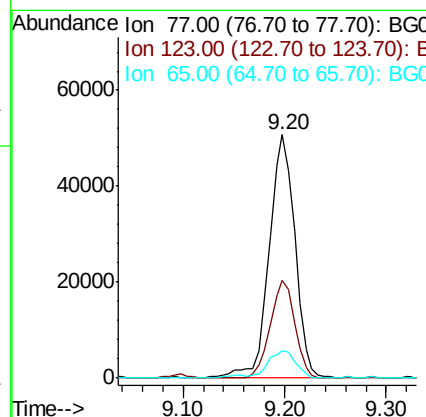
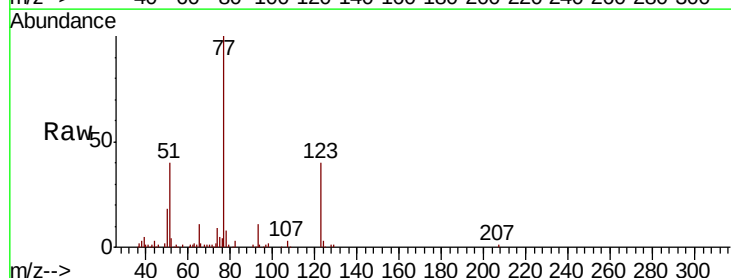
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

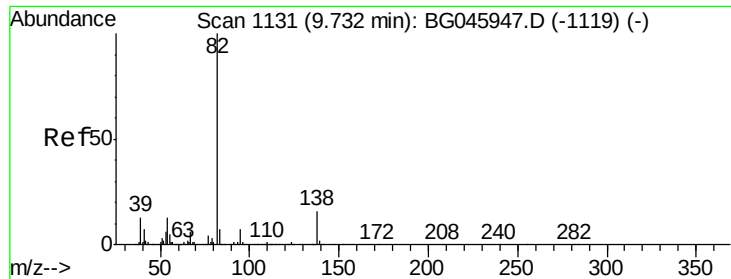
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.2	48.4
54	43.9	35.8	53.6



#24
 Nitrobenzene
 Concen: 7.754 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.0	32.7	49.1
65	11.2	10.2	15.4





#25

Isophorone

Concen: 6.743 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

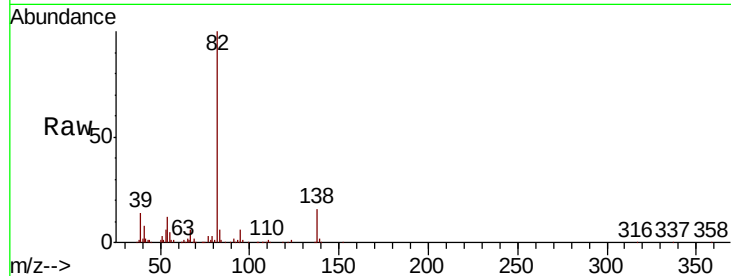
Tot Ion: 82 Resp: 173096

Ion Ratio Lower Upper

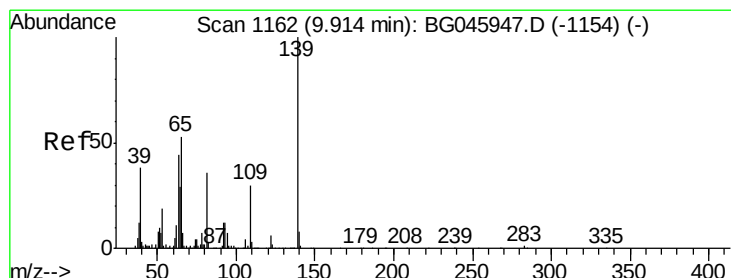
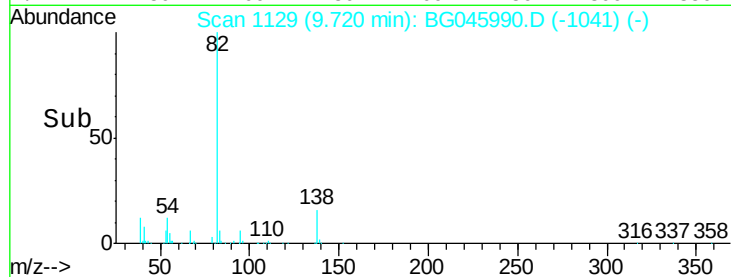
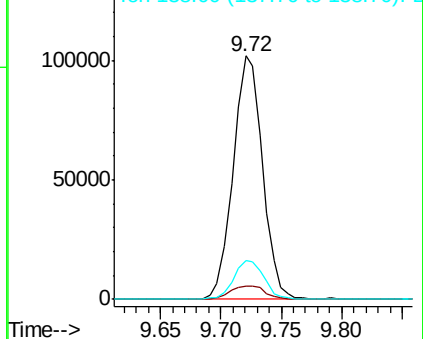
82 100

95 5.6 5.8 8.6#

138 16.2 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: 6.676 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

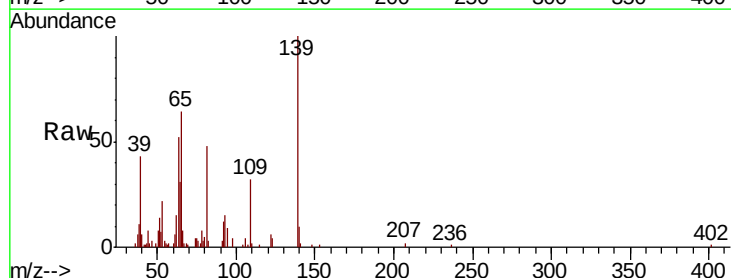
Tgt Ion: 139 Resp: 25255

Ion Ratio Lower Upper

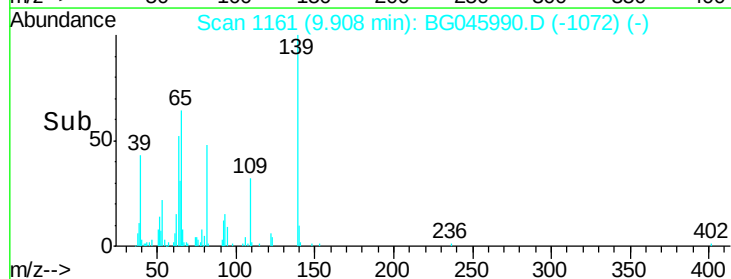
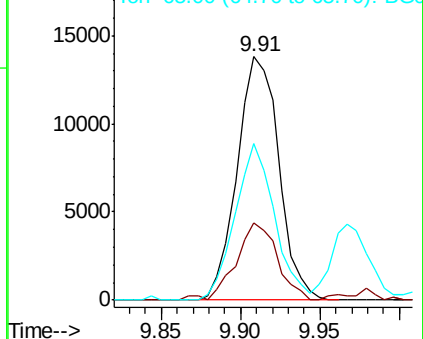
139 100

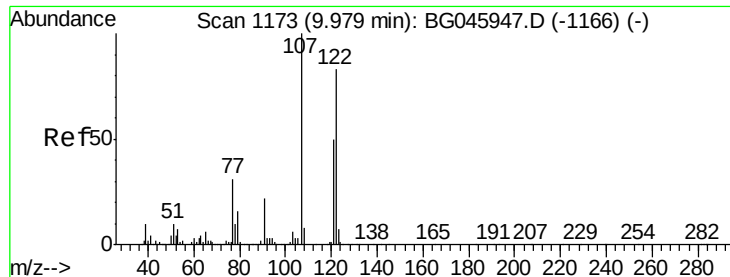
109 31.9 24.6 37.0

65 64.4 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: 7.260 ng

RT: 9.97 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

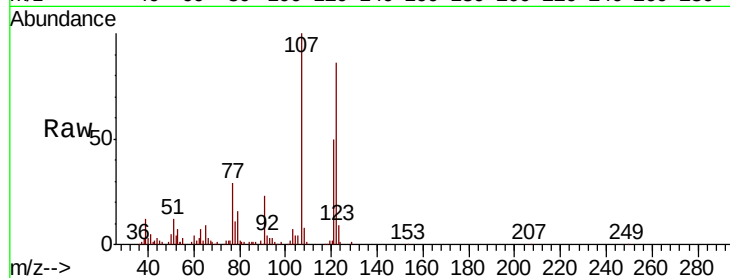
Tot Ion:122 Resp: 66333

Ion Ratio Lower Upper

122 100

107 116.2 95.6 143.4

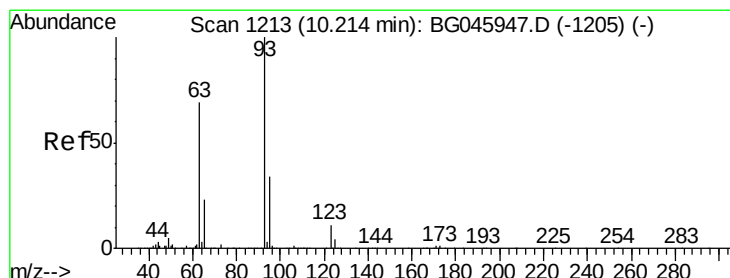
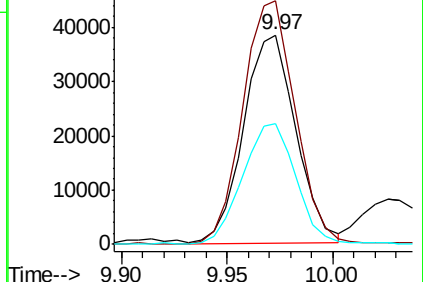
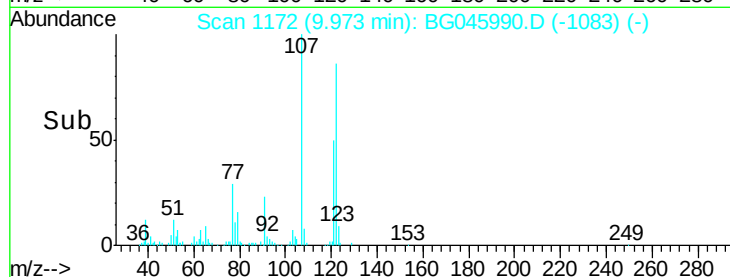
121 57.8 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.116 ng

RT: 10.21 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

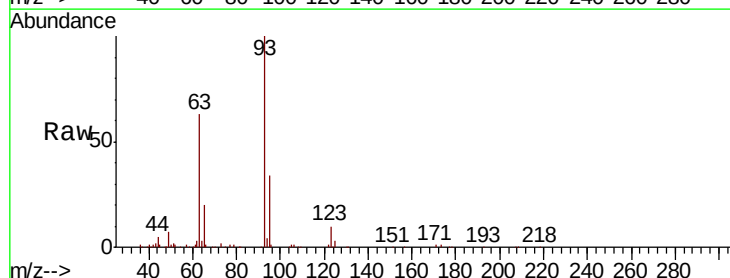
Tgt Ion: 93 Resp: 102581

Ion Ratio Lower Upper

93 100

95 33.6 27.5 41.3

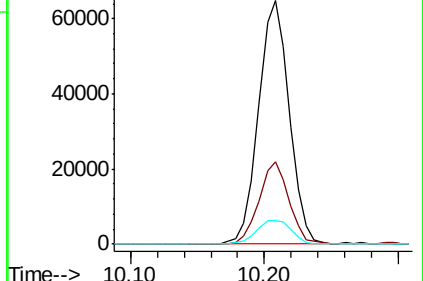
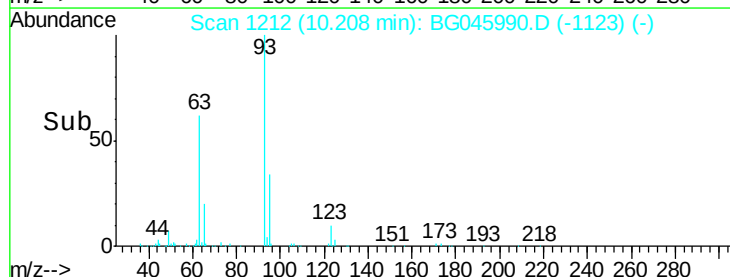
123 9.7 9.2 13.8

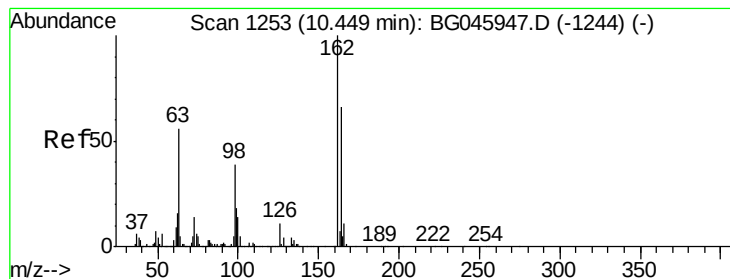


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): BGC





#29

2,4-Dichlorophenol

Concen: 6.416 ng

RT: 10.45 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

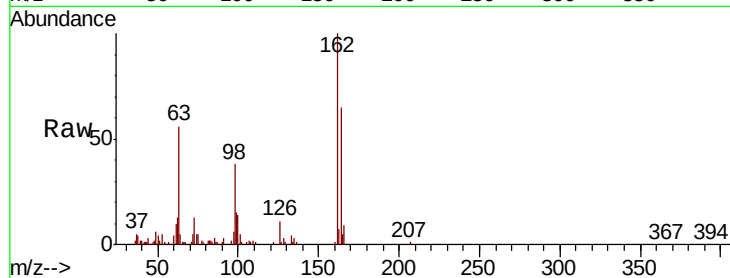
Tot Ion:162 Resp: 60684

Ion Ratio Lower Upper

162 100

164 64.7 46.0 86.0

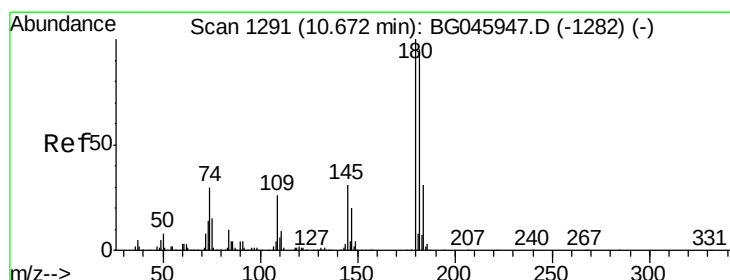
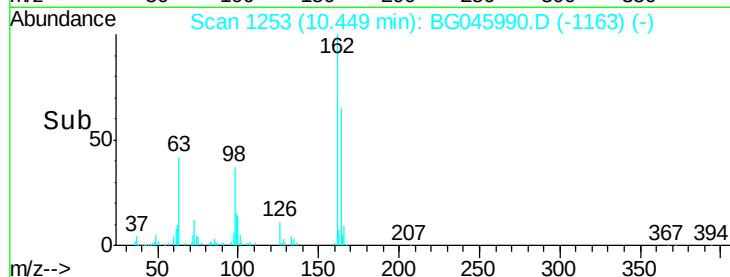
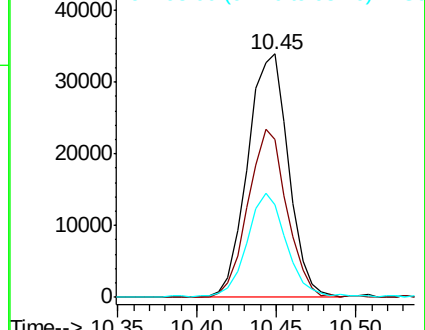
98 37.9 19.2 59.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 6.798 ng

RT: 10.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

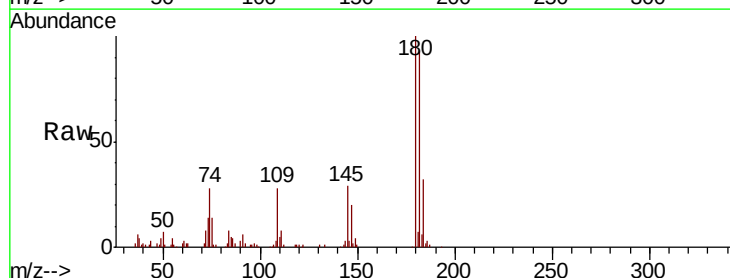
Tgt Ion:180 Resp: 71243

Ion Ratio Lower Upper

180 100

182 93.1 76.3 114.5

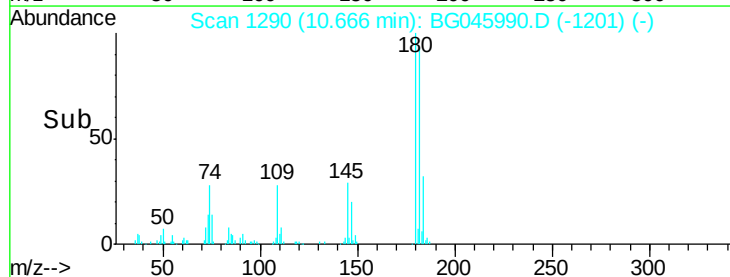
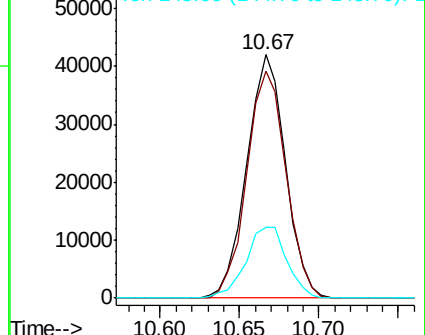
145 28.9 24.8 37.2

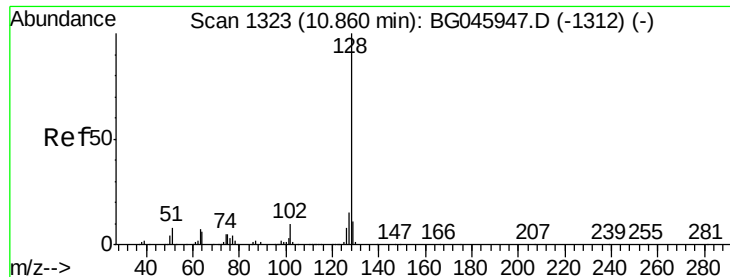


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

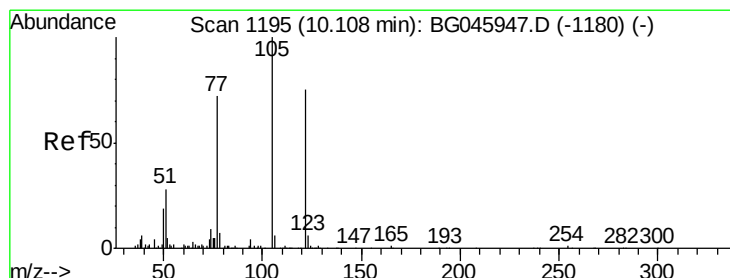
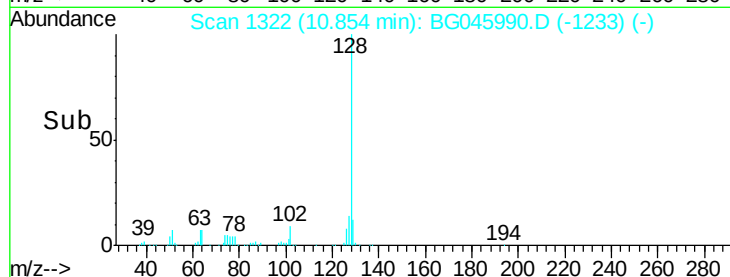
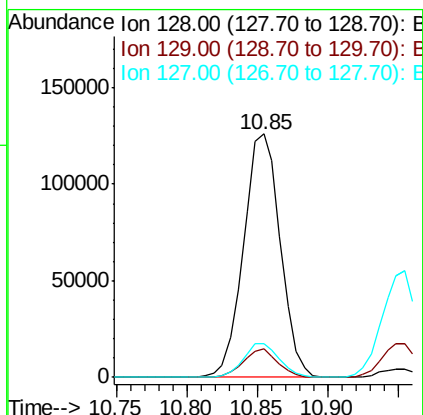
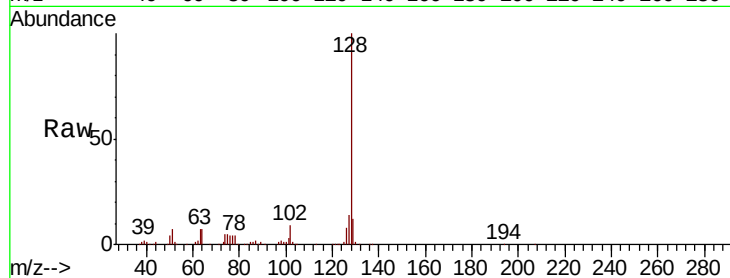




#31
Naphthalene
Concen: 7.071 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

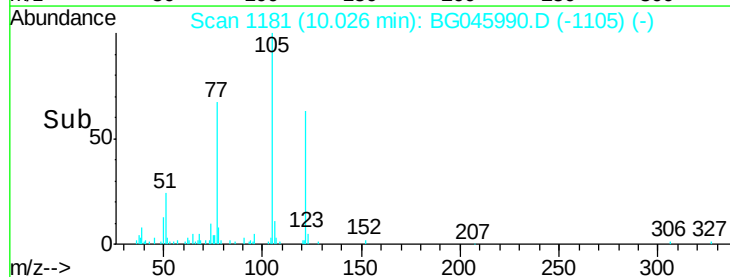
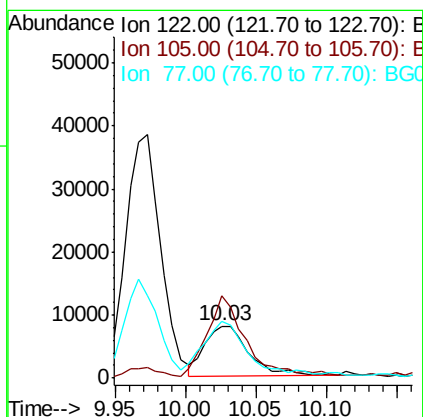
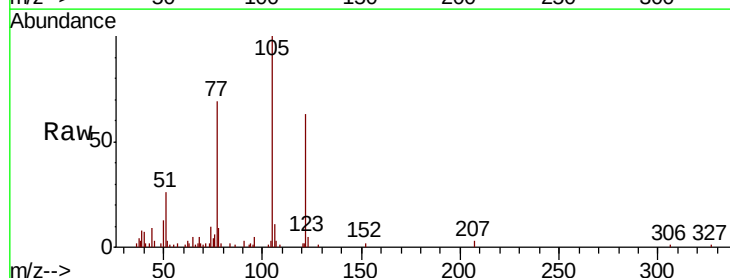
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

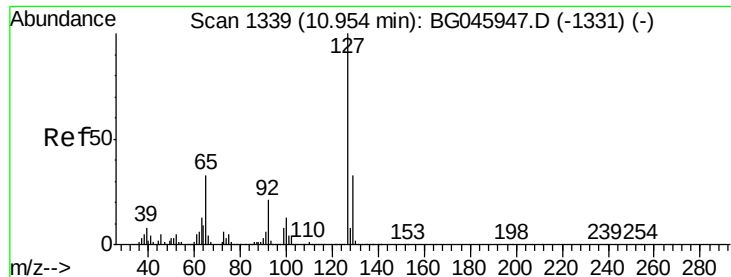
Tot Ion:128 Resp: 229438
Ion Ratio Lower Upper
128 100
129 11.6 9.2 13.8
127 13.9 11.8 17.6



#32
Benzoic acid
Concen: 3.459 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.08 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:122 Resp: 17116
Ion Ratio Lower Upper
122 100
105 159.5 110.8 150.8#
77 110.3 76.4 116.4

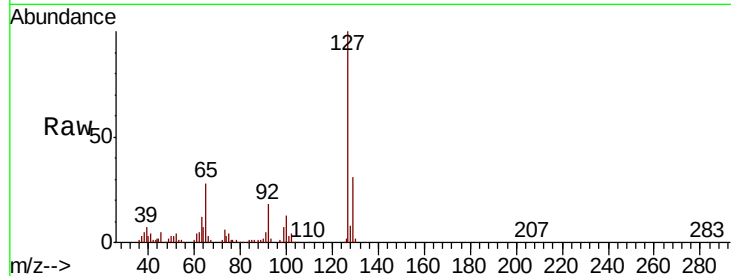




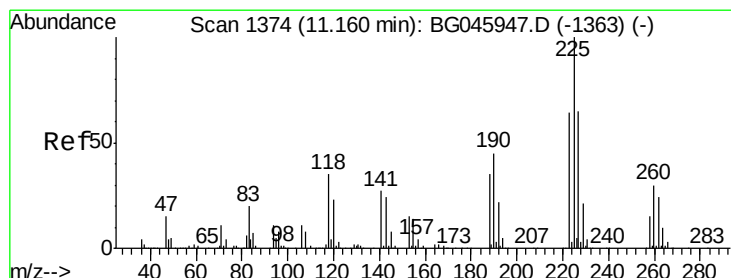
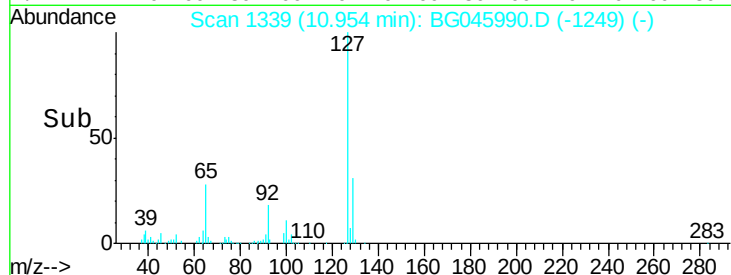
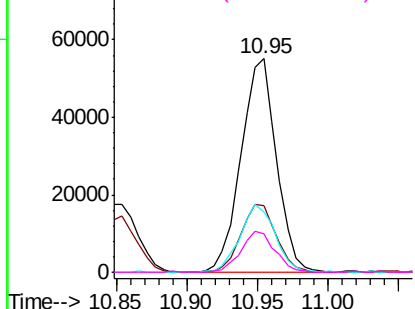
#33
4-Chloroaniline
Concen: 6.675 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	127	Resp:	96772
Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.6	39.8
65	28.1	26.8	40.2
92	18.1	17.0	25.4

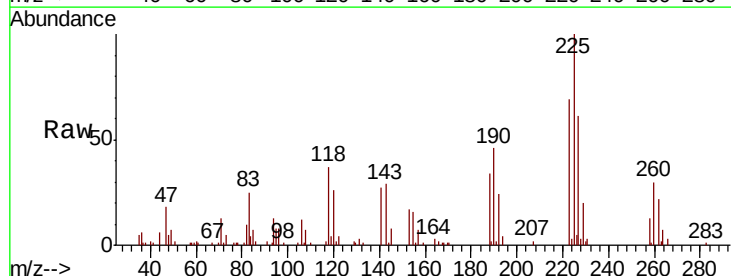


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

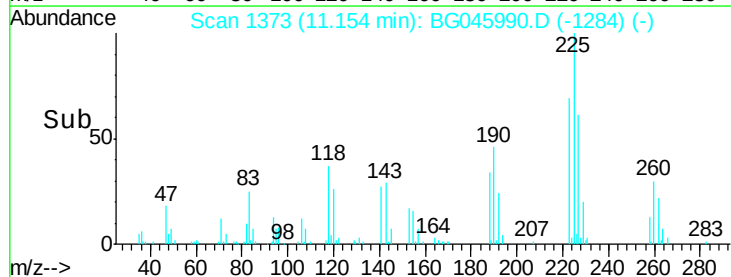
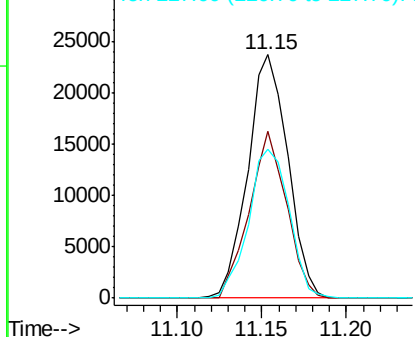


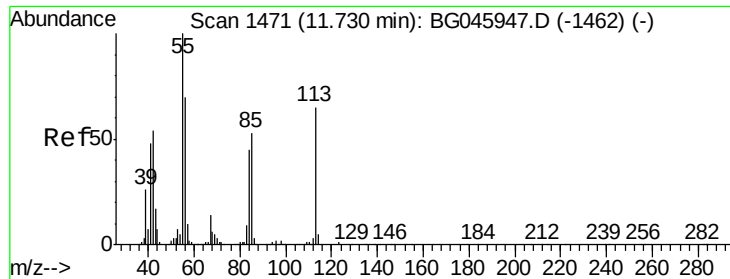
#34
Hexachlorobutadiene
Concen: 6.355 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:	225	Resp:	38889
Ion	Ratio	Lower	Upper
225	100		
223	68.8	51.2	76.8
227	61.0	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

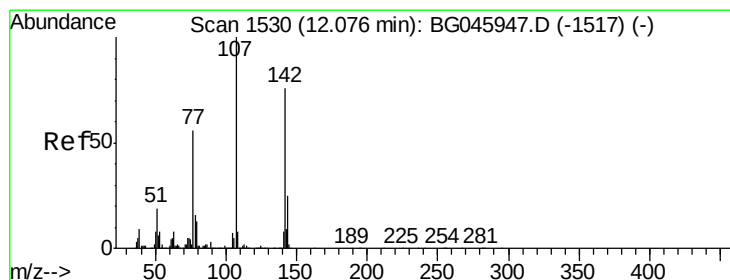
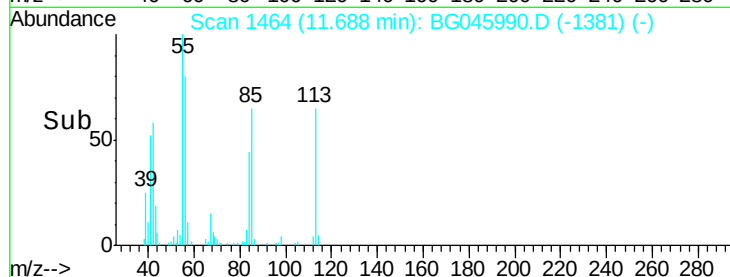
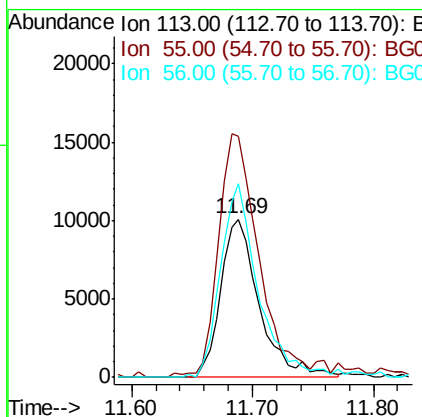
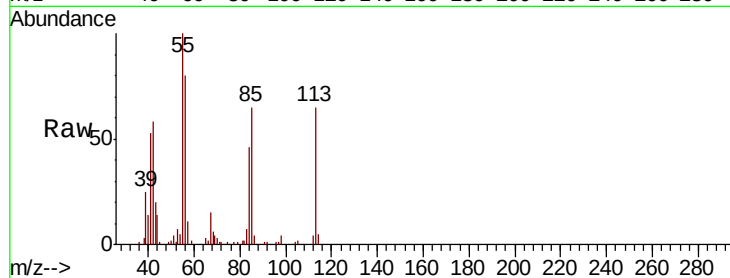




#35
 Caprolactam
 Concen: 6.207 ng
 RT: 11.69 min Scan# 1464
 Delta R.T. -0.04 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

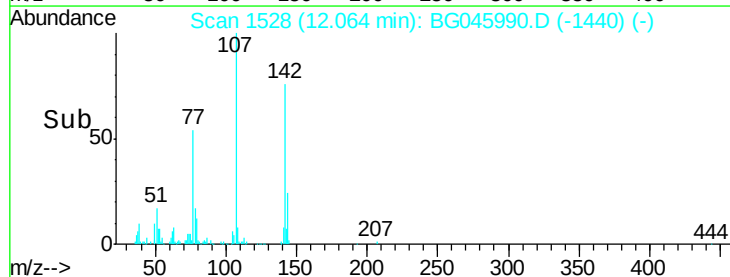
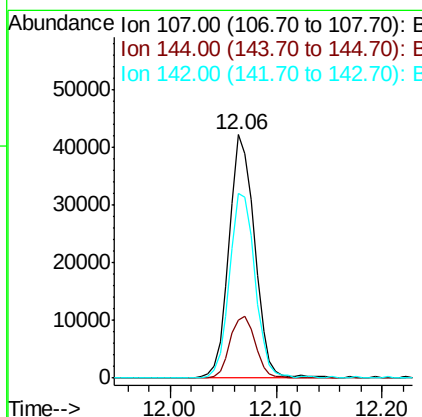
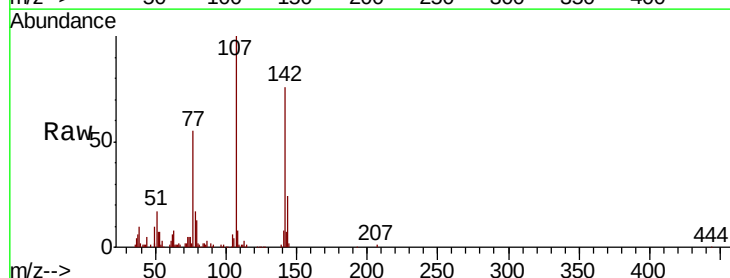
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

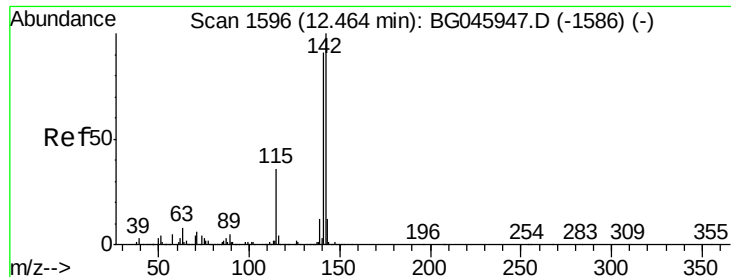
Tot Ion:113 Resp: 22290
 Ion Ratio Lower Upper
 113 100
 55 152.8 141.6 181.6
 56 122.1 89.6 129.6



#36
 4-Chloro-3-methylphenol
 Concen: 6.535 ng
 RT: 12.06 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion:107 Resp: 70407
 Ion Ratio Lower Upper
 107 100
 144 23.6 20.0 30.0
 142 75.6 61.1 91.7

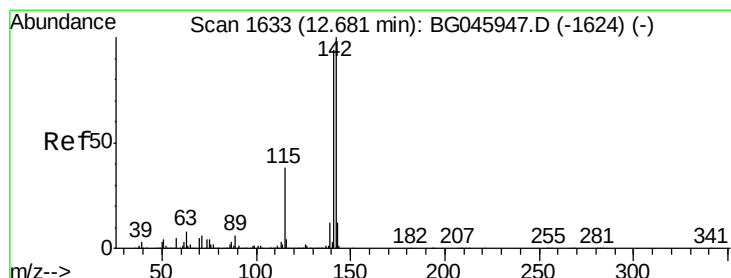
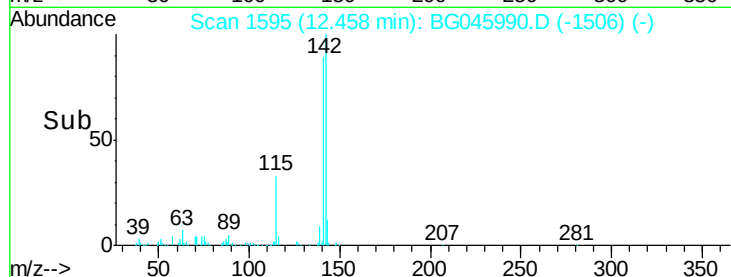
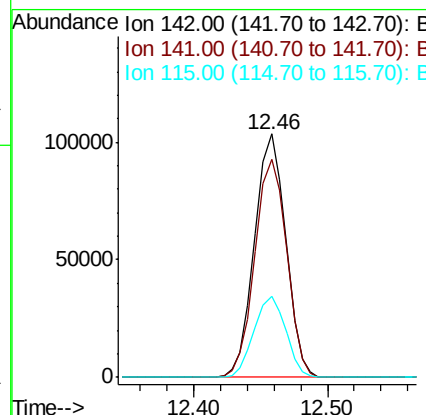
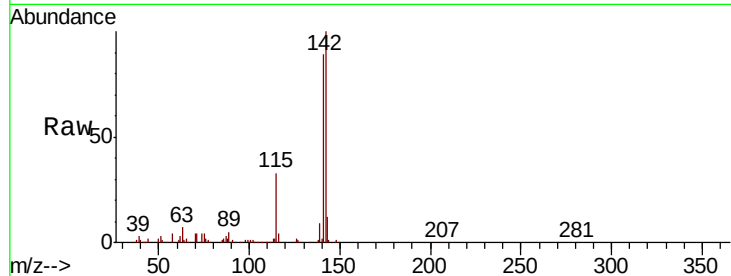




#37
2-Methylnaphthalene
Concen: 7.245 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

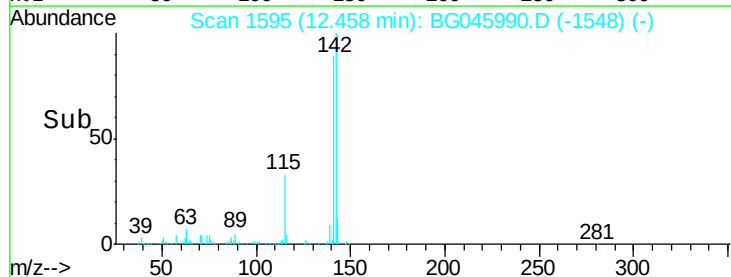
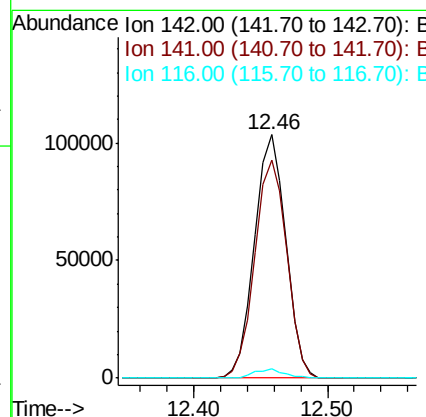
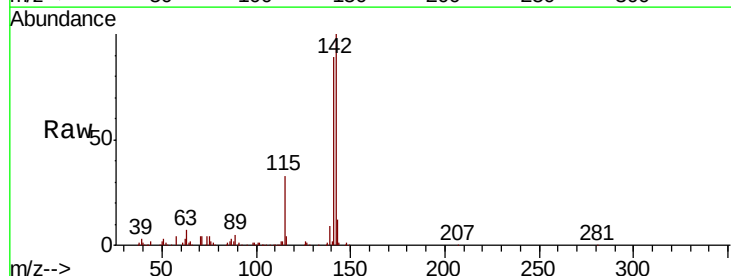
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

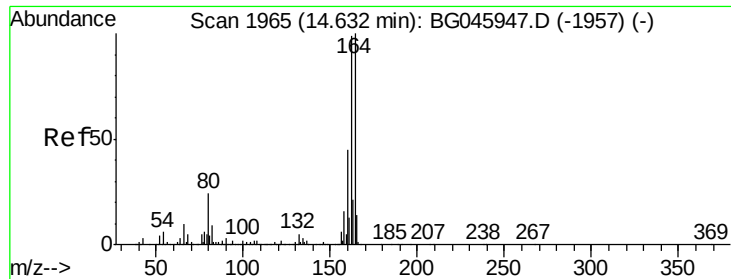
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.0	109.6
115	33.1	28.8	43.2



#38
1-Methylnaphthalene
Concen: 7.677 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.22 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	75.2	112.8
116	3.8	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

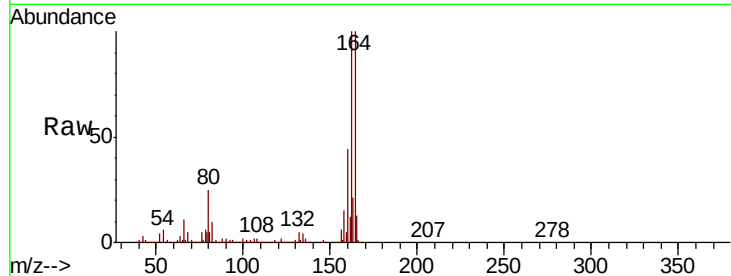
Tot Ion:164 Resp: 361512

Ion Ratio Lower Upper

164 100

162 99.5 79.3 118.9

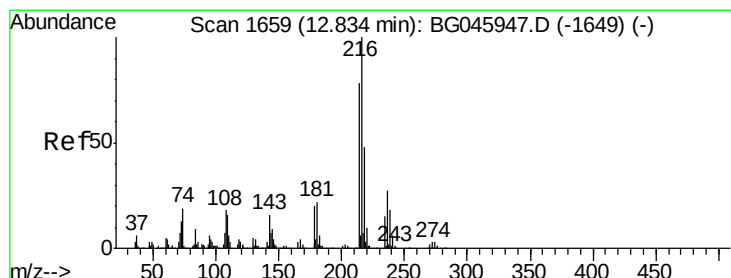
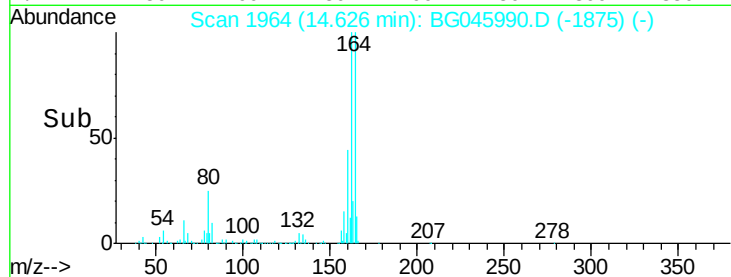
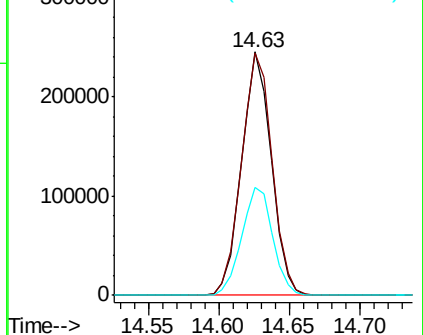
160 44.2 35.7 53.5



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: 7.374 ng

RT: 12.82 min Scan# 1657

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:216 Resp: 75151

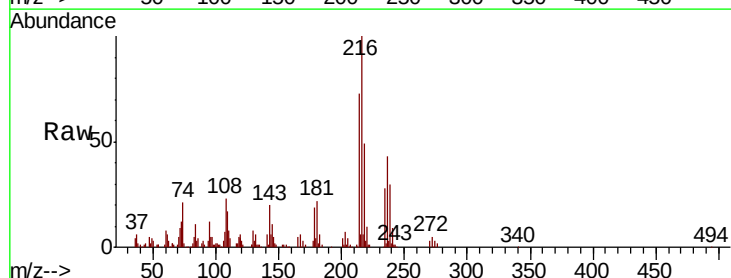
Ion Ratio Lower Upper

216 100

214 78.8 63.0 94.4

179 20.2 17.0 25.6

108 21.7 17.3 25.9

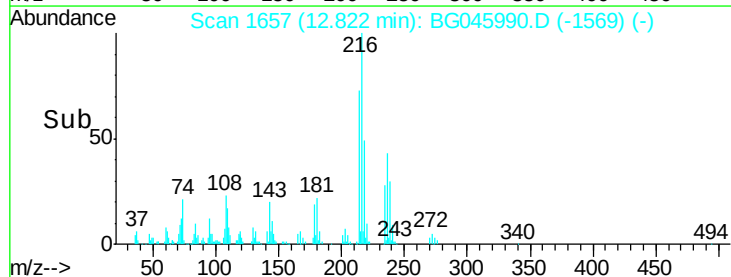
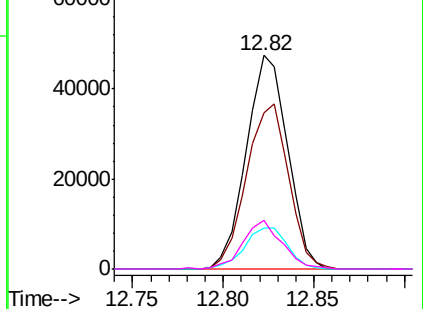


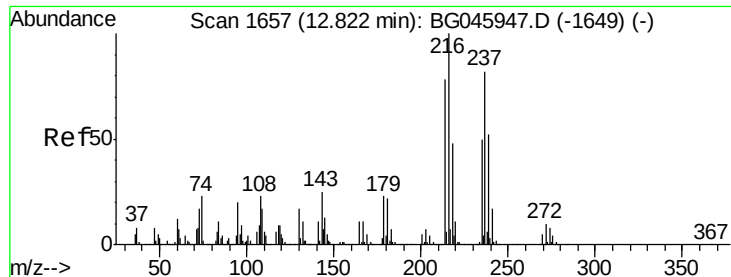
Abundance Ion 216.00 (215.70 to 216.70): E

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: 6.545 ng

RT: 12.82 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

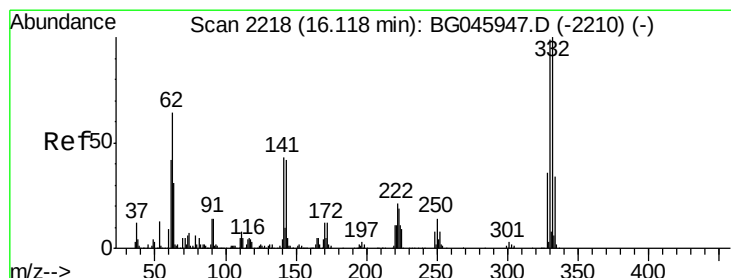
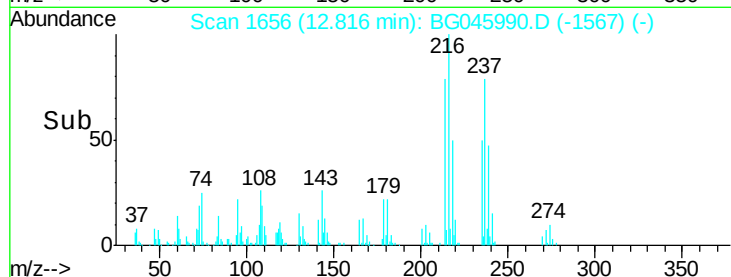
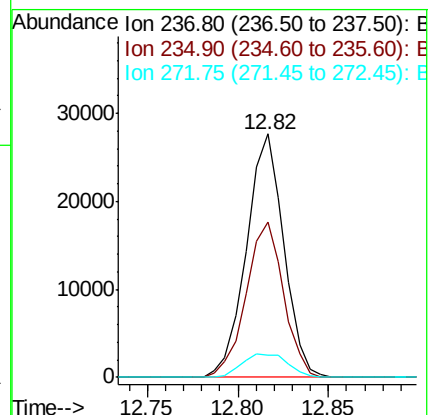
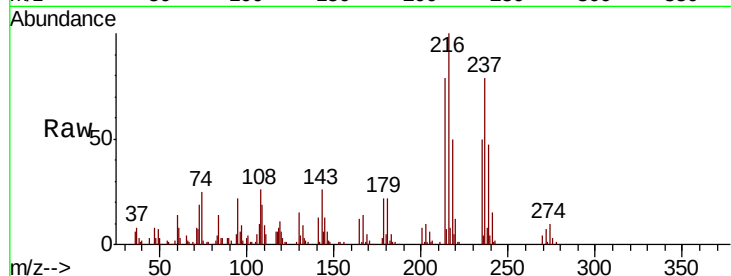
Tot Ion:237 Resp: 39579

Ion Ratio Lower Upper

237 100

235 63.6 41.5 81.5

272 9.2 0.0 31.7



#42

2,4,6-Tribromophenol

Concen: 93.565 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

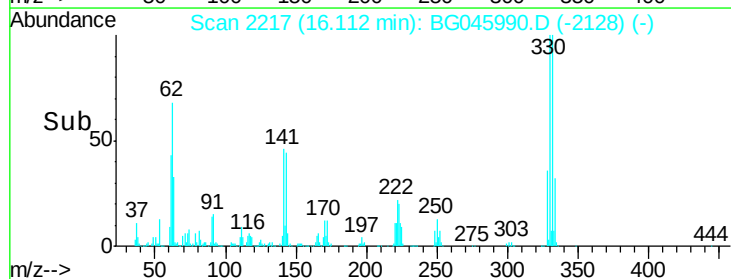
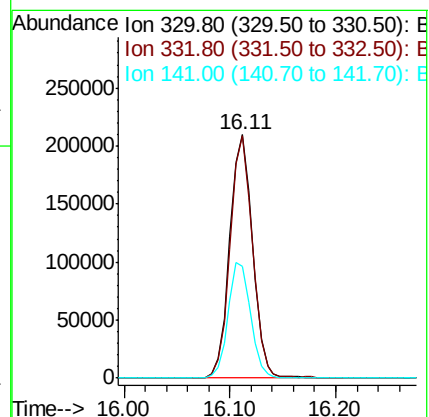
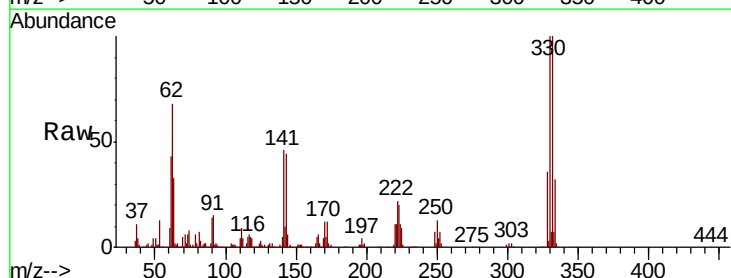
Tgt Ion:330 Resp: 313931

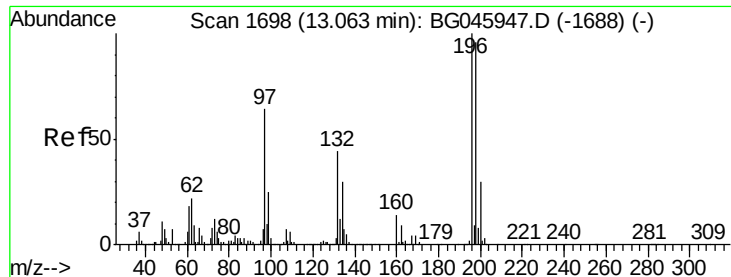
Ion Ratio Lower Upper

330 100

332 97.5 78.3 117.5

141 47.0 36.6 54.8





#43

2,4,6-Trichlorophenol

Concen: 6.370 ng

RT: 13.06 min Scan# 1697

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

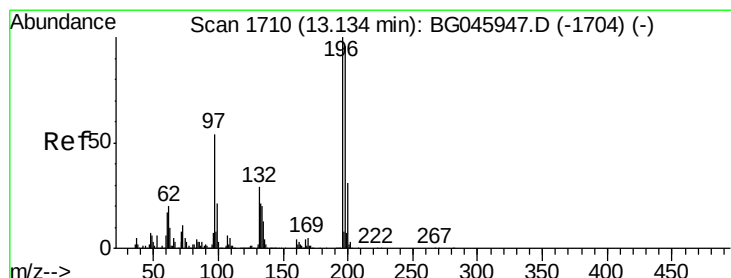
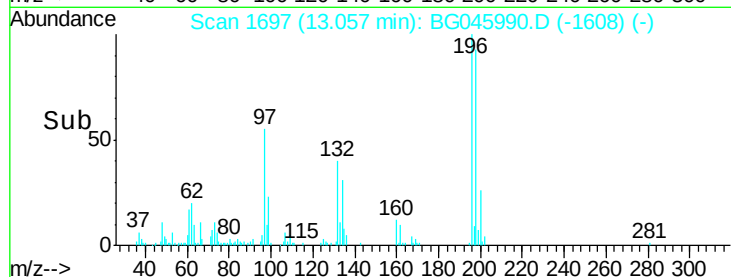
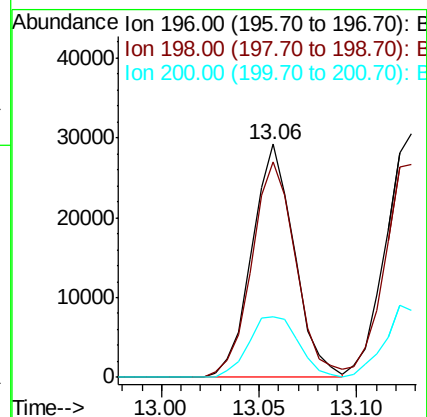
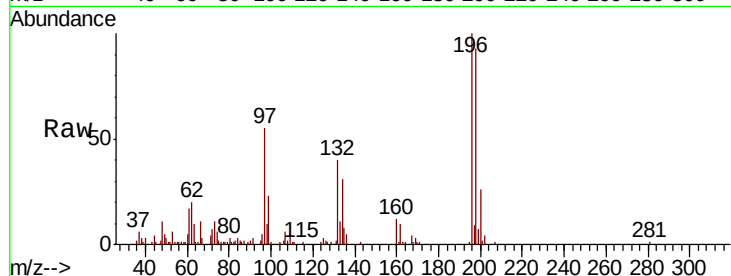
Tot Ion:196 Resp: 43902

Ion Ratio Lower Upper

196 100

198 92.6 76.7 115.1

200 25.8 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 6.134 ng

RT: 13.13 min Scan# 1709

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:196 Resp: 47802

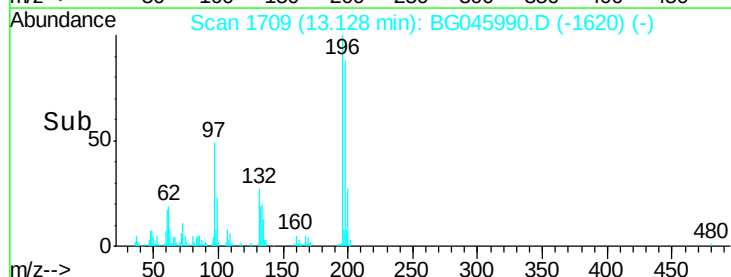
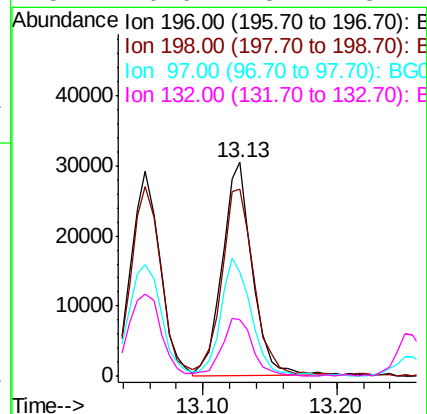
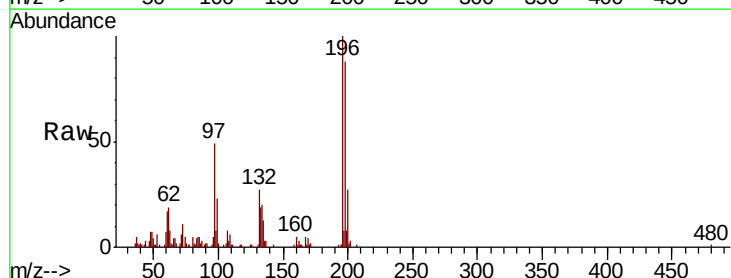
Ion Ratio Lower Upper

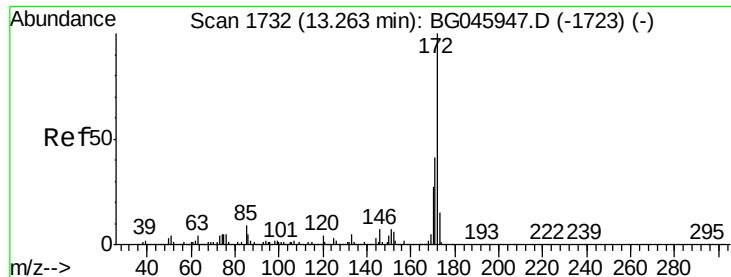
196 100

198 87.7 77.0 115.6

97 48.6 44.3 66.5

132 26.6 23.1 34.7

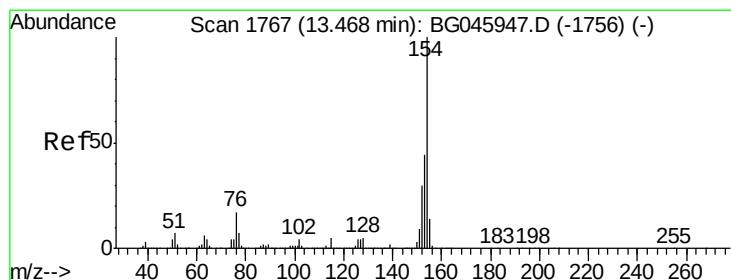
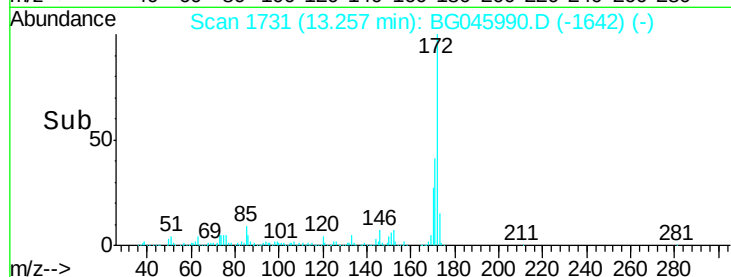
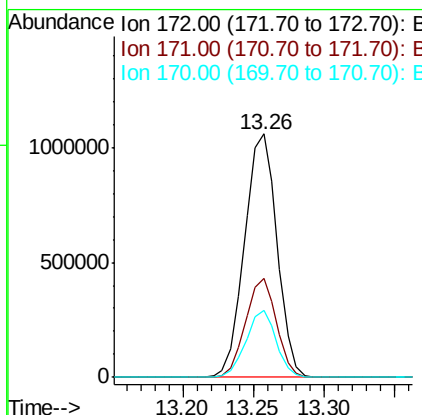
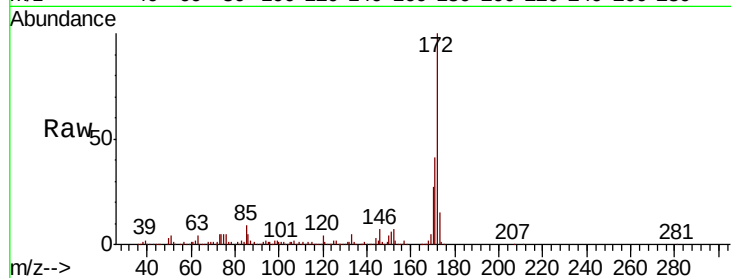




#45
2-Fluorobiphenyl
Concen: 73.575 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

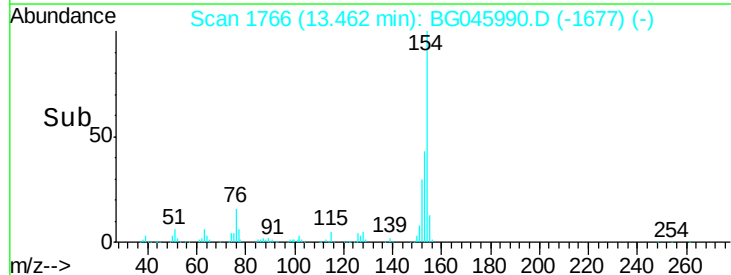
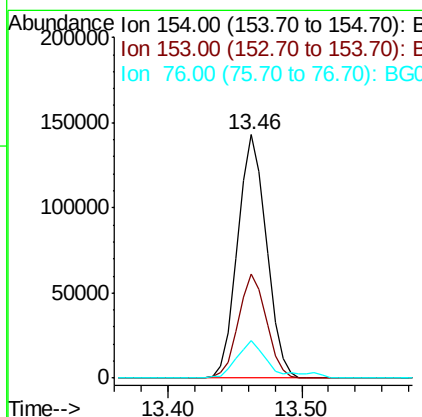
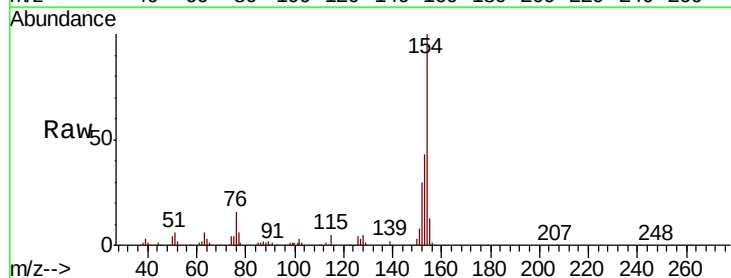
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

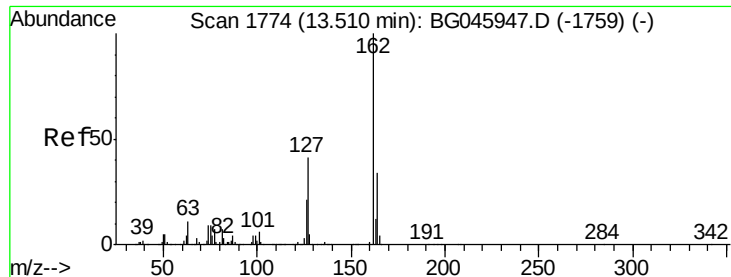
Tot Ion:172 Resp: 1705213
Ion Ratio Lower Upper
172 100
171 40.6 32.9 49.3
170 27.3 21.8 32.6



#46
1,1'-Biphenyl
Concen: 7.848 ng
RT: 13.46 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:154 Resp: 213425
Ion Ratio Lower Upper
154 100
153 42.8 23.6 63.6
76 15.5 0.0 36.9

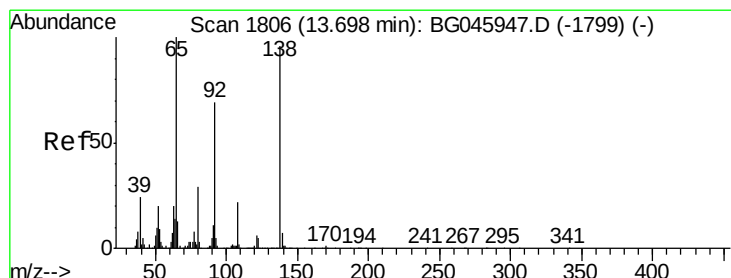
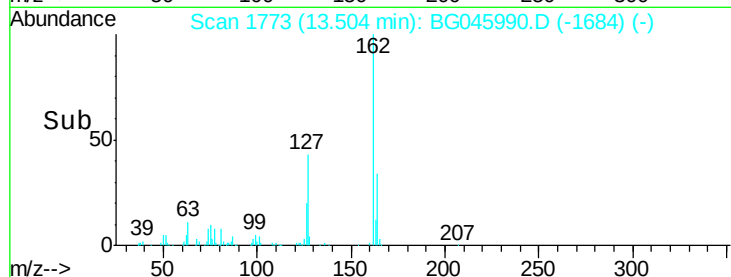
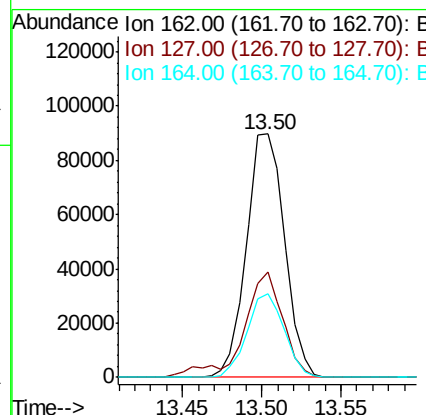
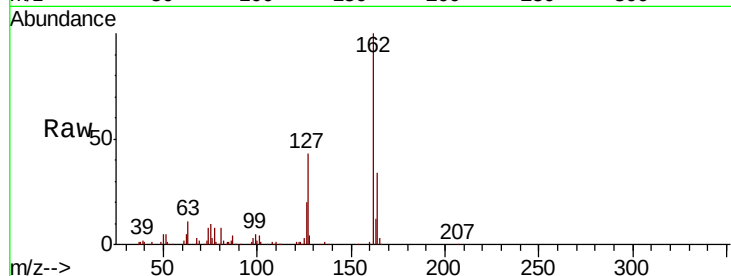




#47
2-Chloronaphthalene
Concen: 6.995 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

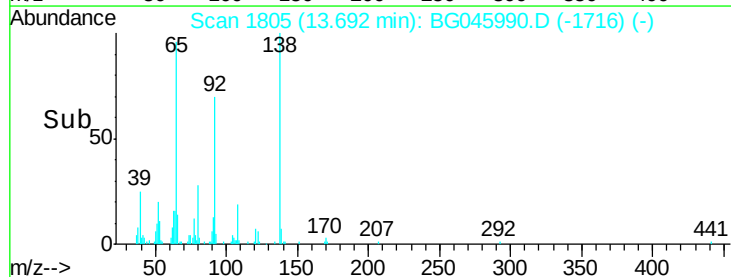
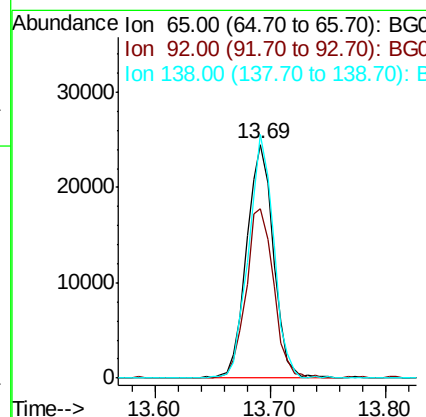
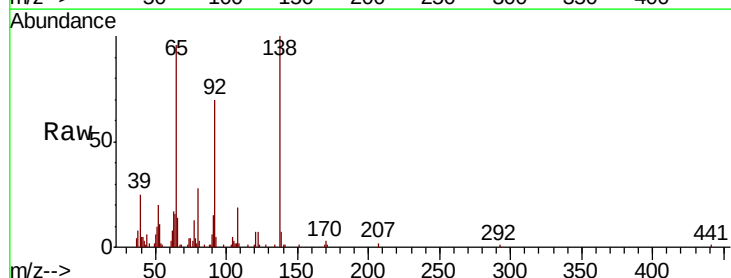
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

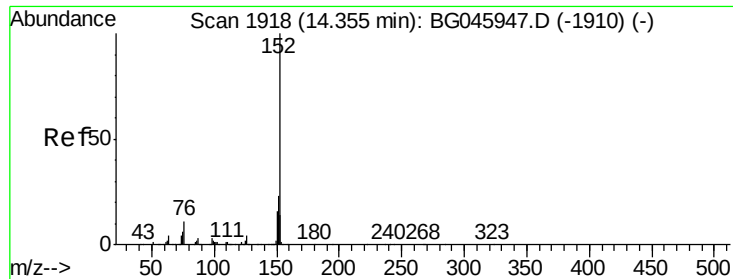
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.3	32.5	48.7
164	34.2	27.2	40.8



#48
2-Nitroaniline
Concen: 7.893 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	55.4	83.0
138	104.1	77.0	115.4





#49

Acenaphthylene

Concen: 7.323 ng

RT: 14.34 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

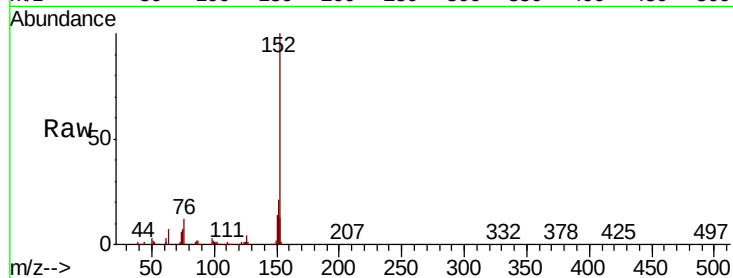
Tot Ion:152 Resp: 253510

Ion Ratio Lower Upper

152 100

151 21.2 18.1 27.1

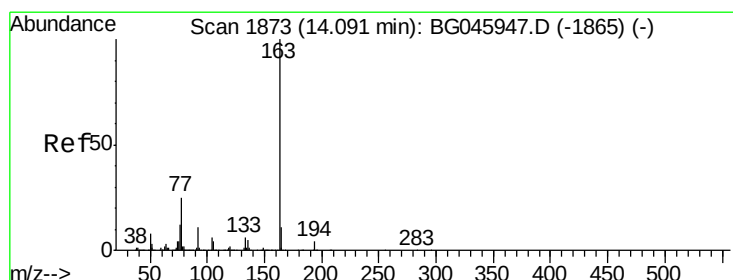
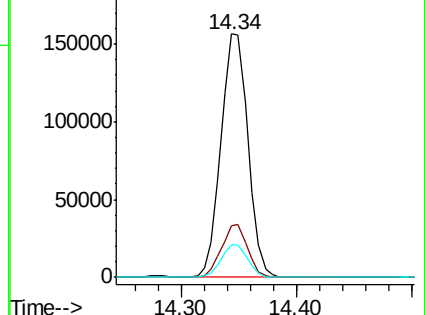
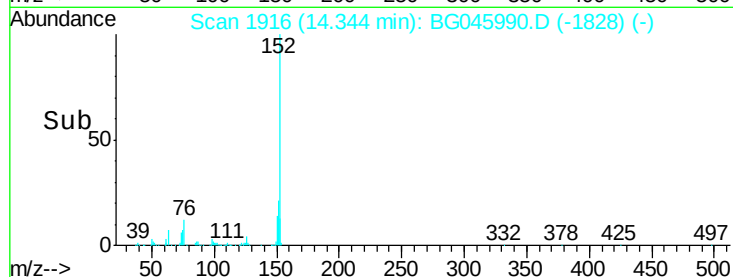
153 13.2 11.5 17.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 6.917 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

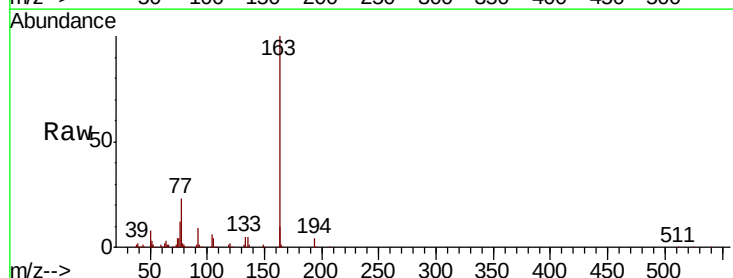
Tgt Ion:163 Resp: 187664

Ion Ratio Lower Upper

163 100

194 3.5 3.6 5.4#

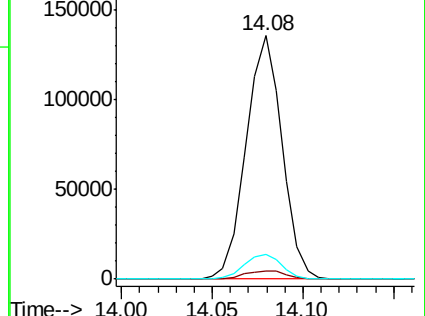
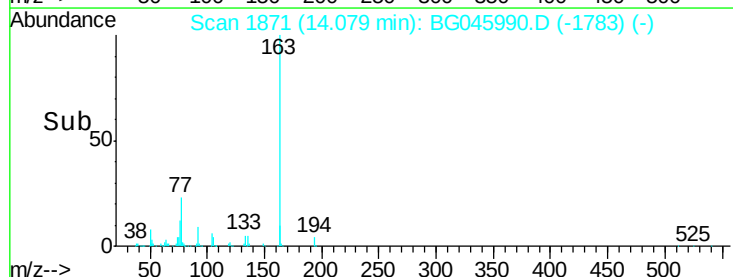
164 10.2 8.9 13.3

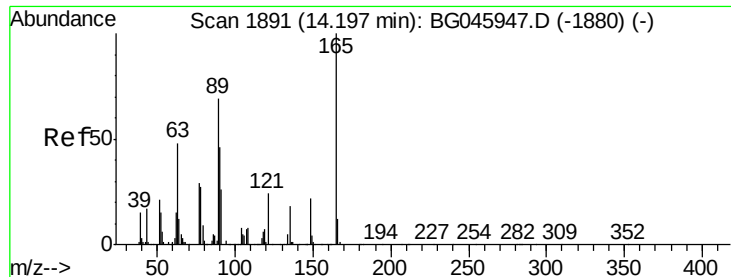


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

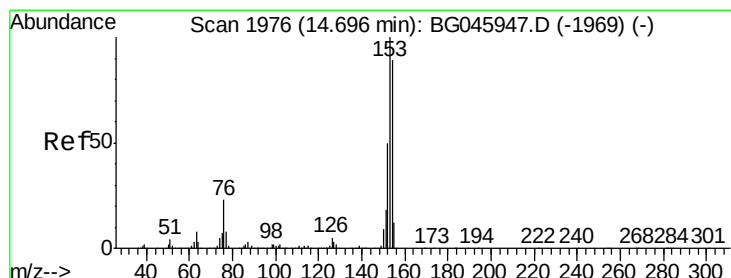
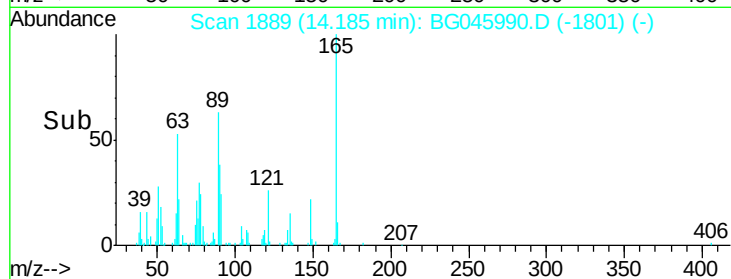
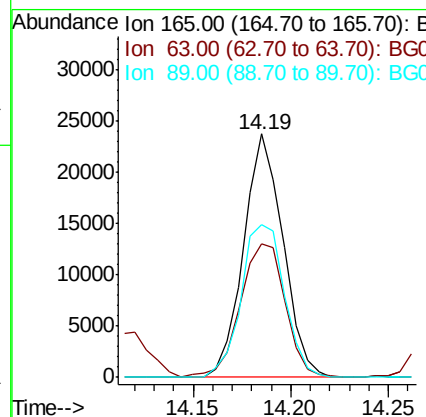
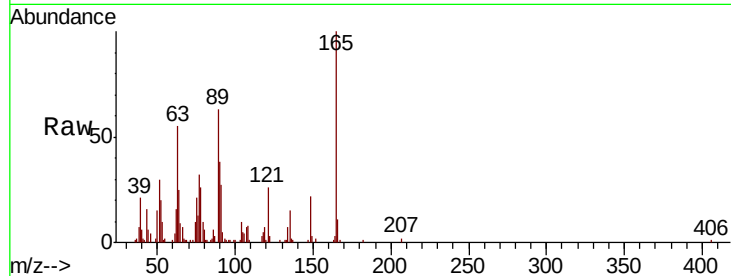




#51
 2,6-Dinitrotoluene
 Concen: 7.874 ng
 RT: 14.19 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

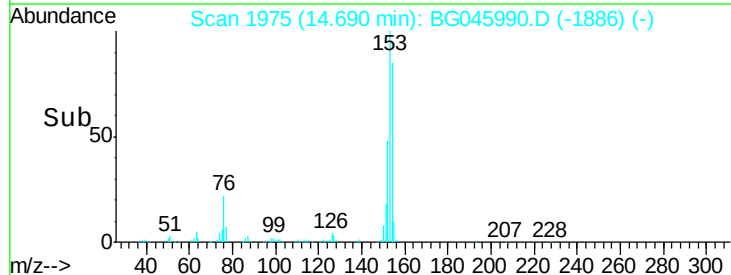
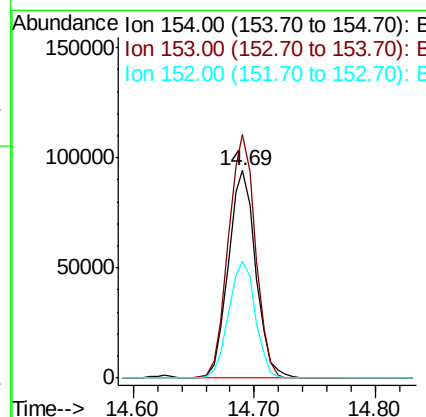
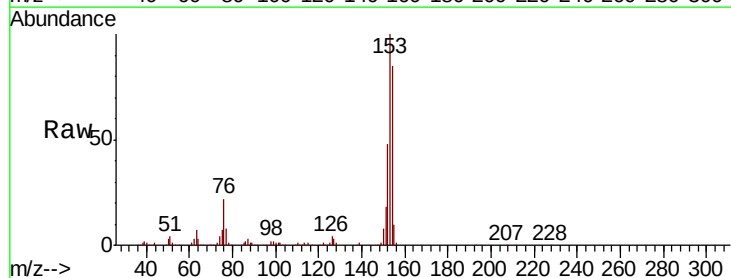
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

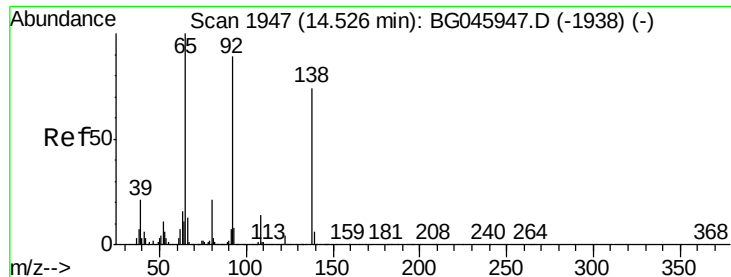
Tot Ion:165 Resp: 33148
 Ion Ratio Lower Upper
 165 100
 63 54.9 51.0 76.4
 89 62.8 55.7 83.5



#52
 Acenaphthene
 Concen: 6.775 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion:154 Resp: 147950
 Ion Ratio Lower Upper
 154 100
 153 117.3 89.7 134.5
 152 56.1 44.7 67.1

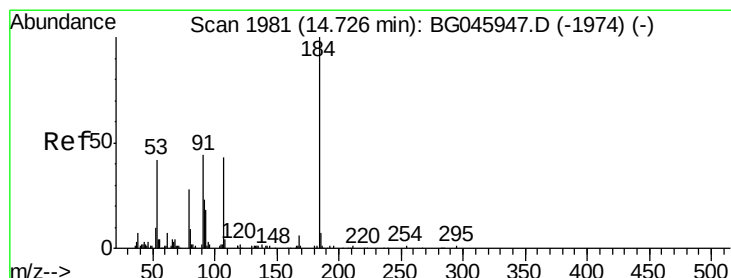
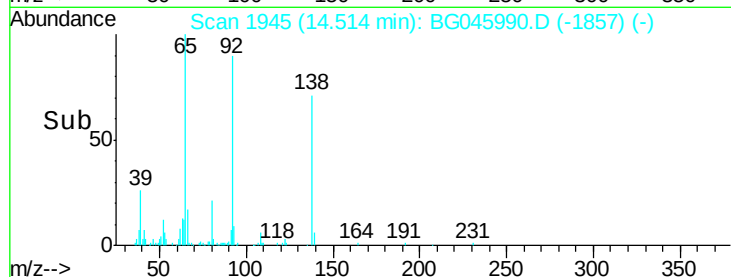
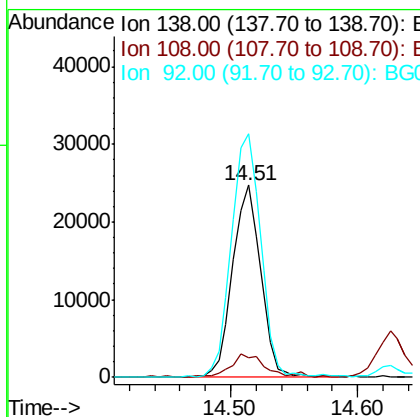
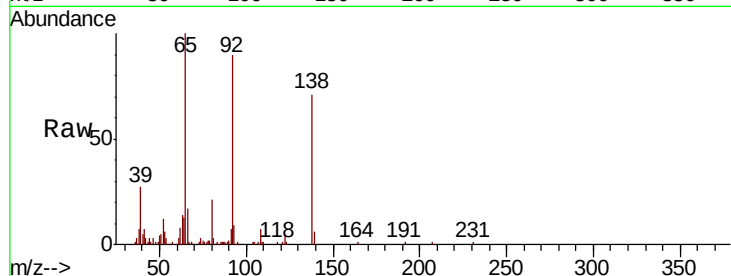




#53
3-Nitroaniline
Concen: 7.258 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

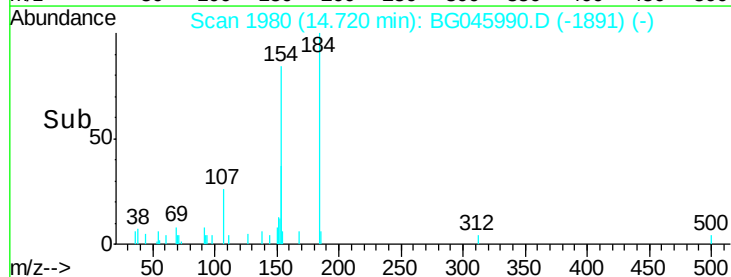
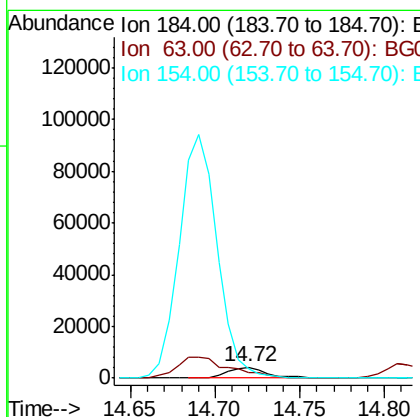
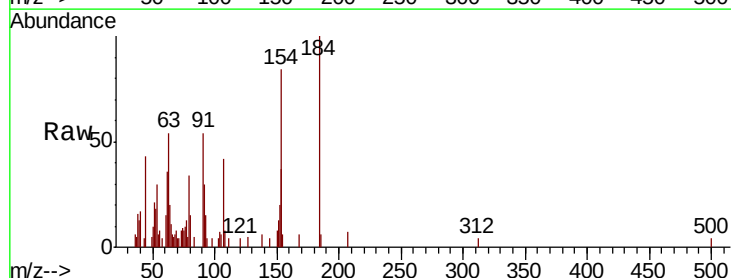
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

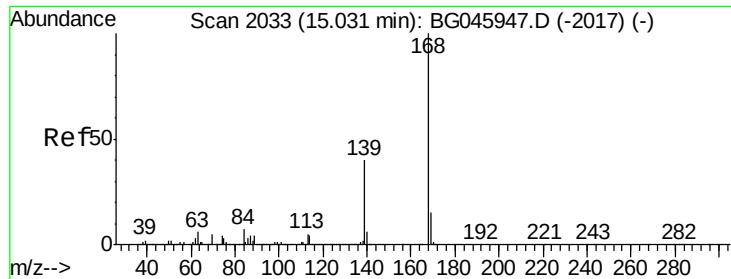
Tot Ion:138 Resp: 37862
Ion Ratio Lower Upper
138 100
108 10.1 15.4 23.2#
92 126.7 95.9 143.9



#54
2,4-Dinitrophenol
Concen: 4.525 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:184 Resp: 6720
Ion Ratio Lower Upper
184 100
63 54.0 46.0 69.0
154 83.9 58.2 87.2

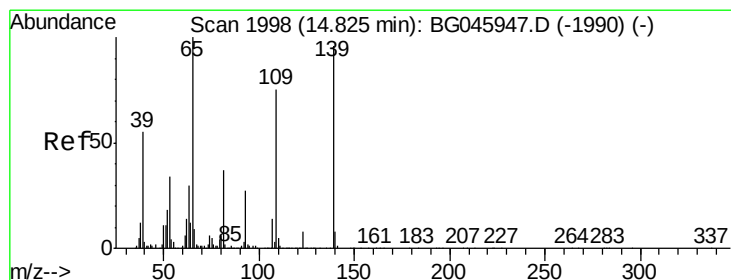
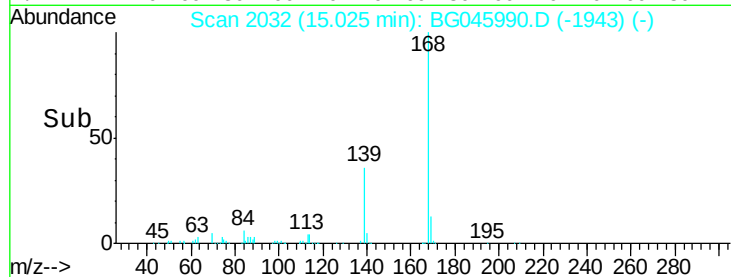
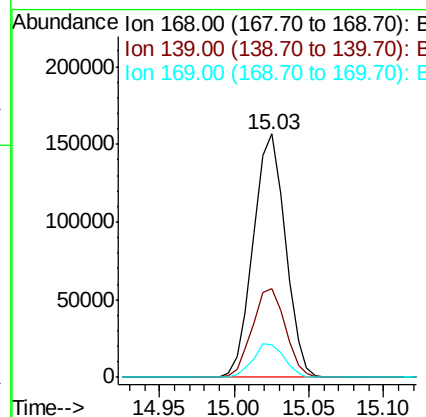
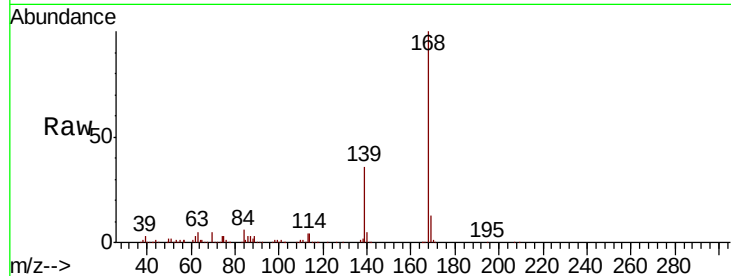




#55
Dibenzenofuran
Concen: 7.281 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

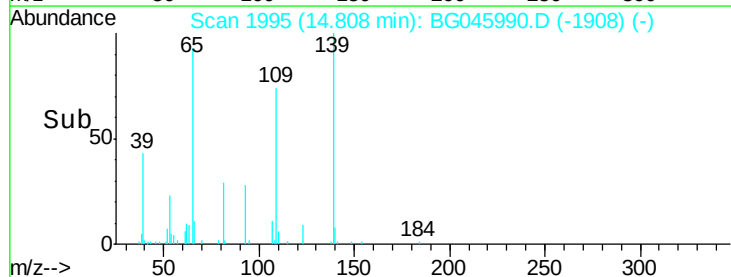
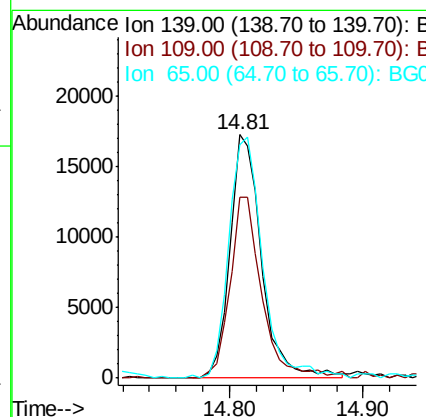
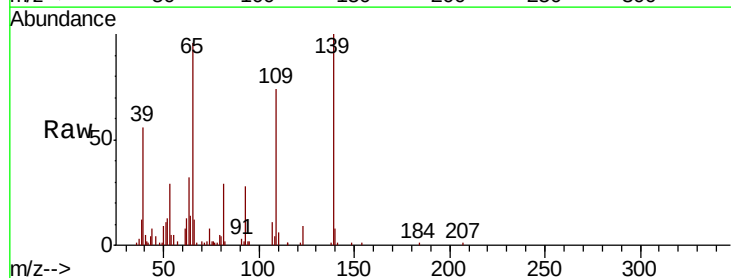
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

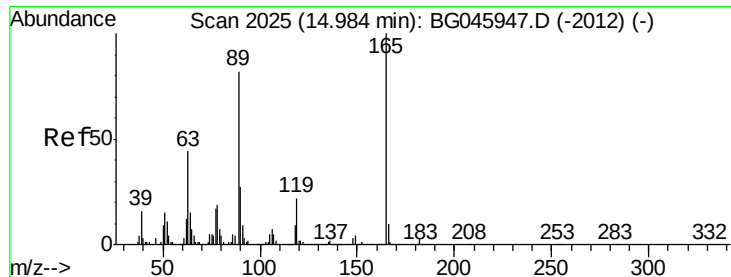
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	32.2	48.2
169	13.2	11.8	17.8



#56
4-Nitrophenol
Concen: 6.448 ng
RT: 14.81 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.0	58.5	98.5
65	95.6	84.7	124.7

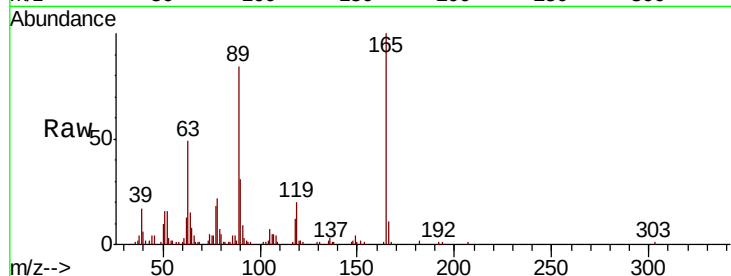




#57
 2,4-Dinitrotoluene
 Concen: 7.852 ng
 RT: 14.97 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	49.5	35.4	53.0
89	83.6	65.4	98.2
182	2.2	2.0	3.0



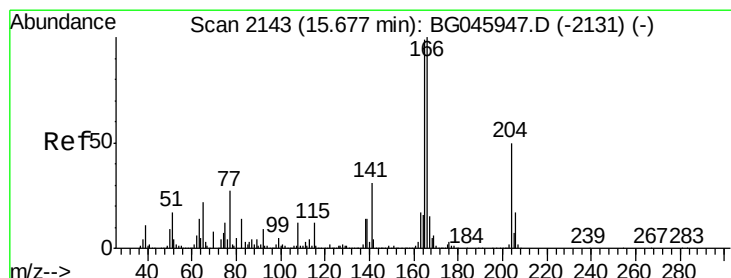
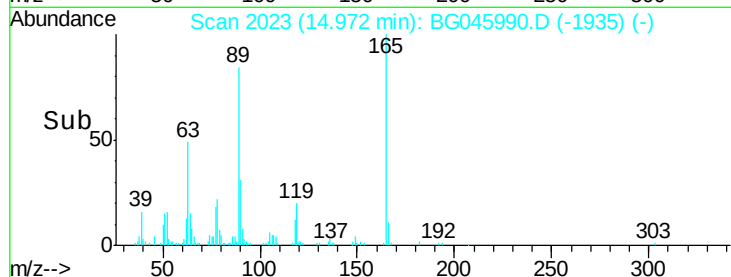
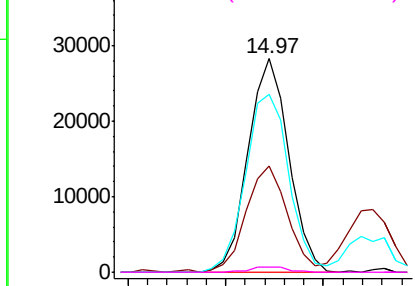
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

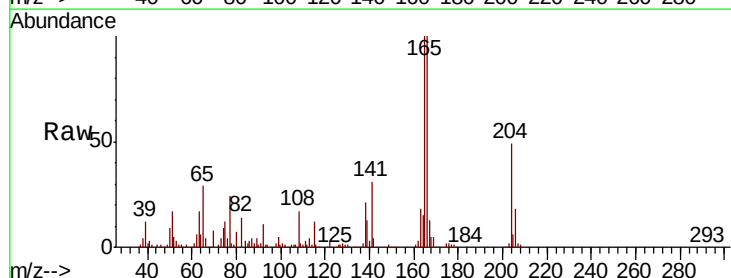
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58
 Fluorene
 Concen: 7.223 ng
 RT: 15.67 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.9	118.3
167	13.2	12.1	18.1

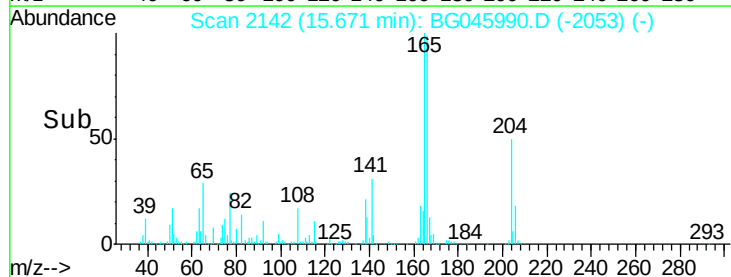
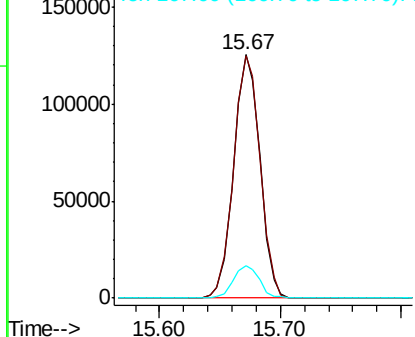


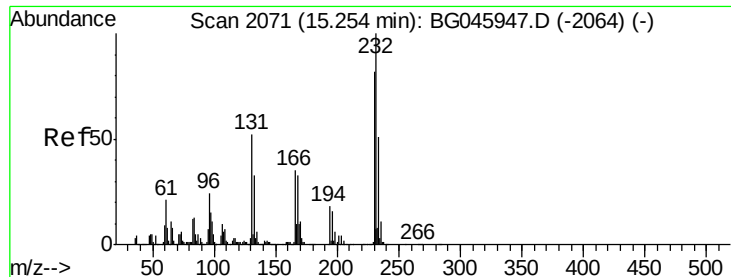
Abundance

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

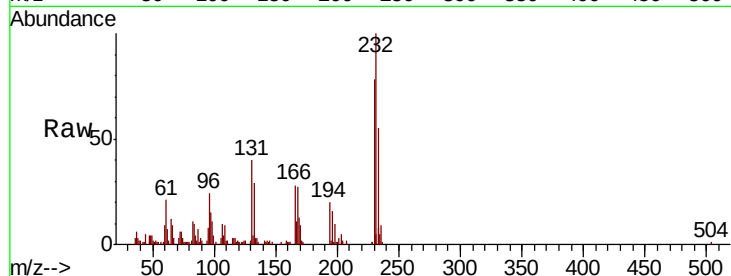




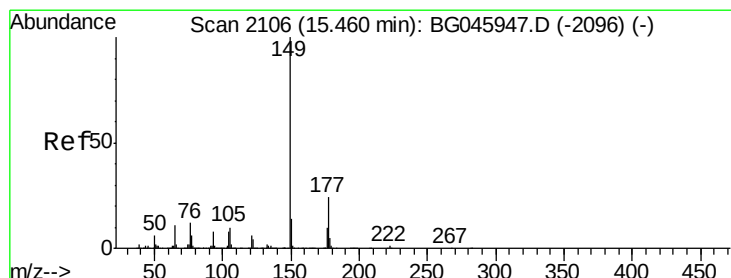
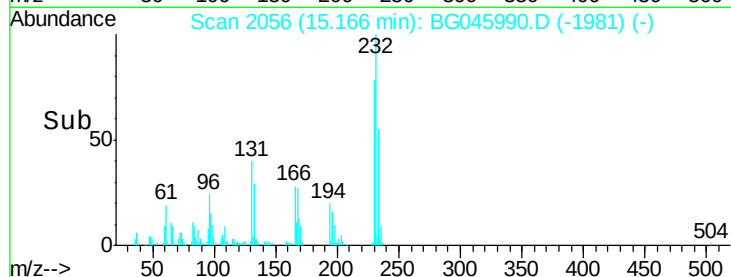
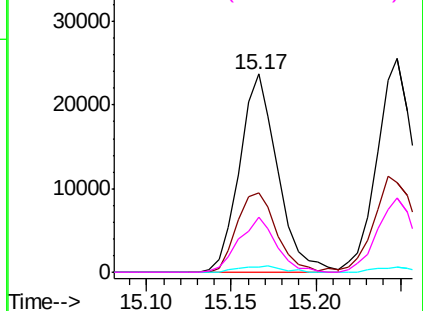
#59
2,3,4,6-Tetrachlorophenol
Concen: 6.159 ng
RT: 15.17 min Scan# 2056
Delta R.T. -0.09 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	232	Resp:	37058
Ion	Ratio	Lower	Upper
232	100		
131	41.8	35.8	53.6
130	3.3	2.5	3.7
166	27.4	21.8	32.8

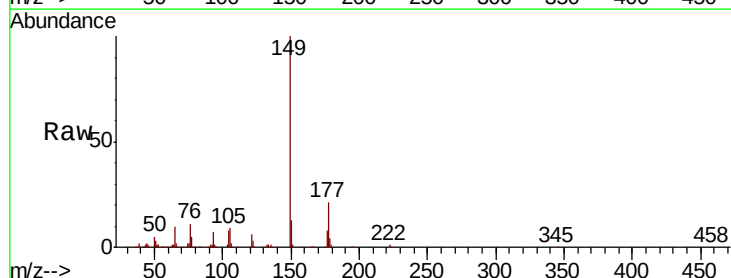


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

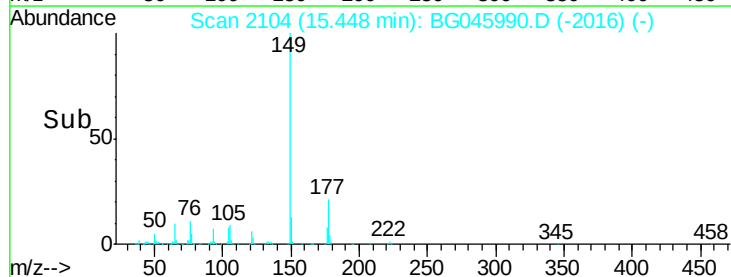
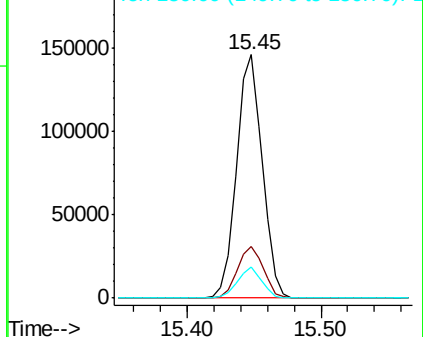


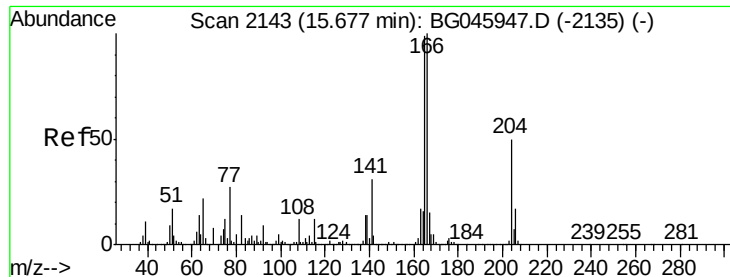
#60
Diethylphthalate
Concen: 6.816 ng
RT: 15.45 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:	149	Resp:	193935
Ion	Ratio	Lower	Upper
149	100		
177	21.5	19.0	28.4
150	12.7	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

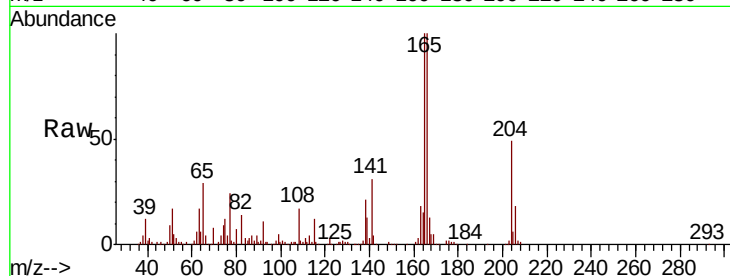




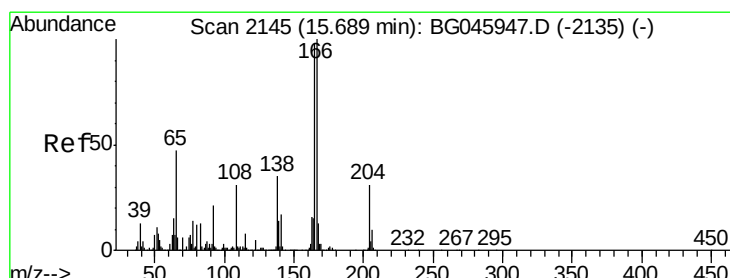
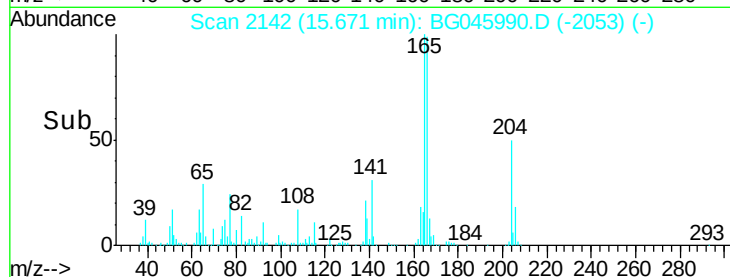
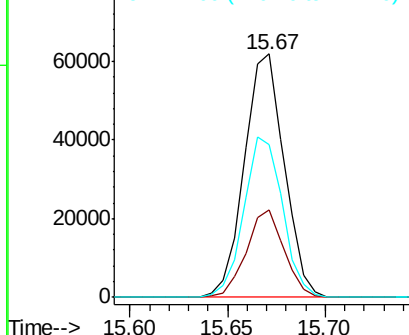
#61
4-Chlorophenyl-phenylether
Concen: 6.690 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:204 Resp: 87401
Ion Ratio Lower Upper
204 100
206 35.9 27.1 40.7
141 62.9 49.8 74.8

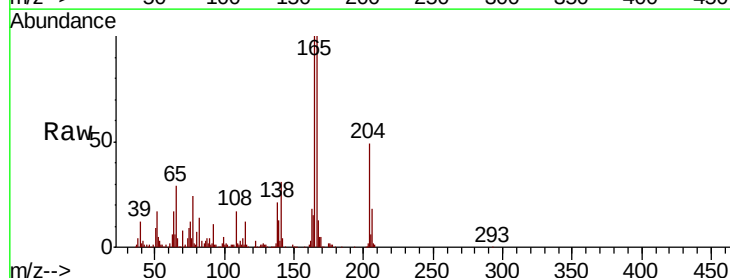


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

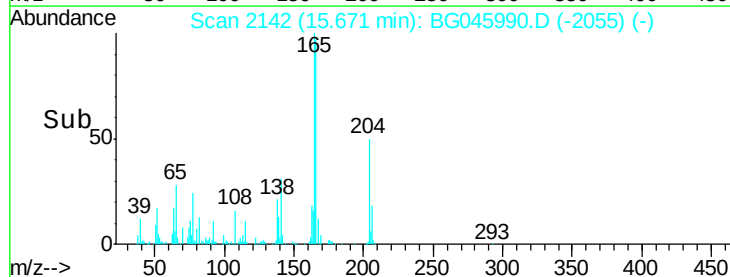
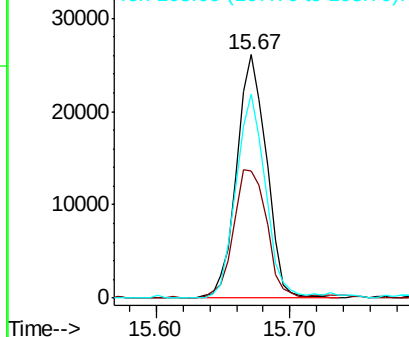


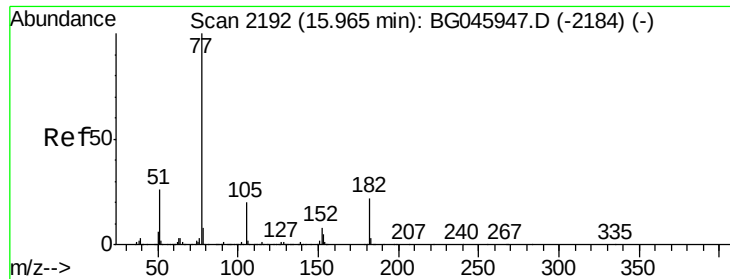
#62
4-Nitroaniline
Concen: 7.189 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:138 Resp: 40311
Ion Ratio Lower Upper
138 100
92 52.5 40.3 80.3
108 83.6 68.0 108.0



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

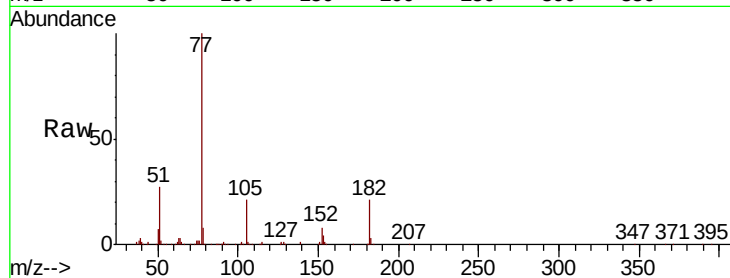




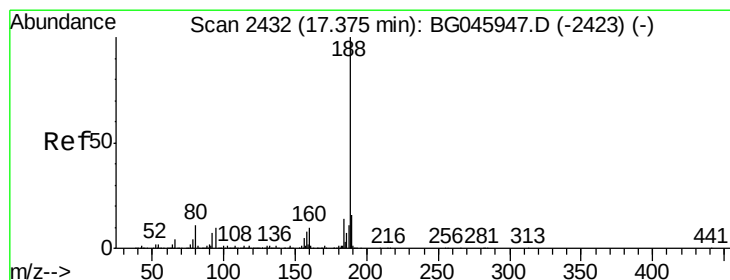
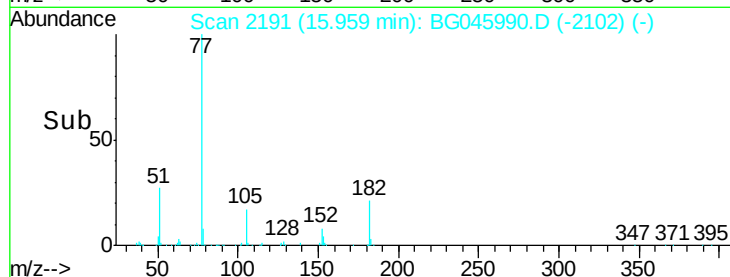
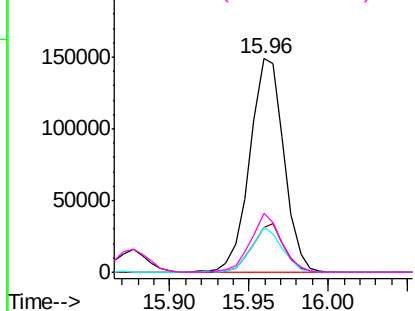
#63
Azobenzene
Concen: 7.251 ng
RT: 15.96 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	77	Resp:	221442
Ion	Ratio	Lower	Upper
77	100		
182	20.8	2.4	42.4
105	21.2	0.3	40.3
51	27.3	6.3	46.3

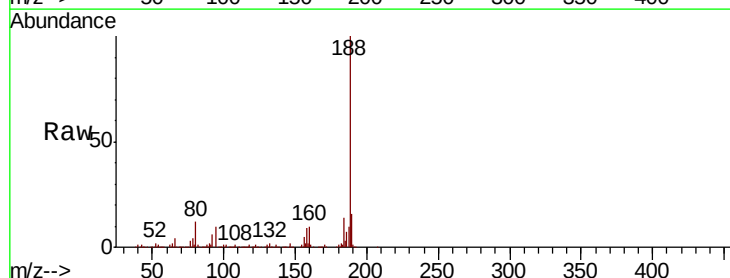


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

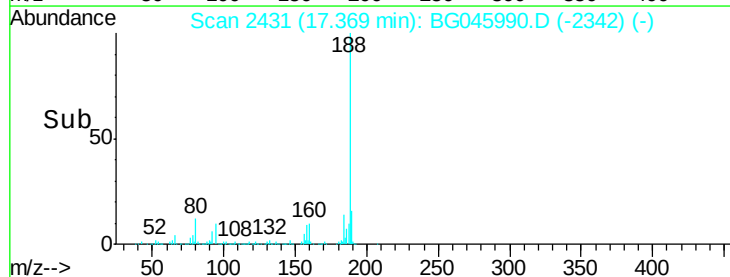
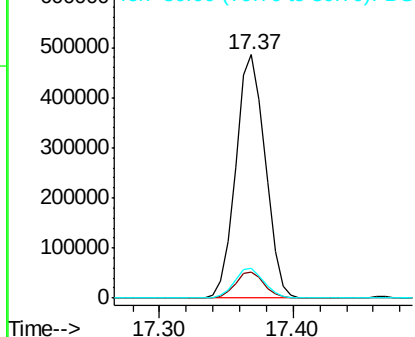


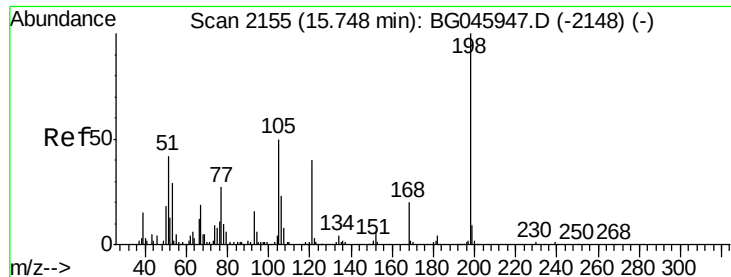
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:	188	Resp:	740704
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.4
80	12.0	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: 5.189 ng

RT: 15.74 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

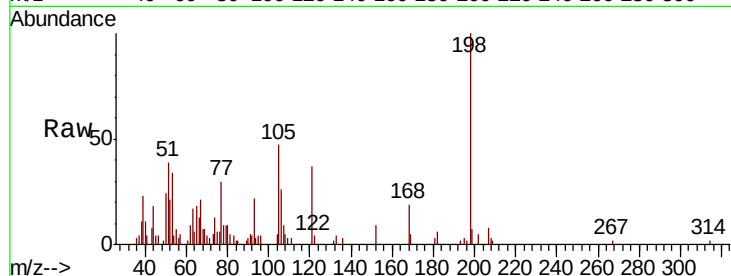
Tot Ion:198 Resp: 11257

Ion Ratio Lower Upper

198 100

51 39.2 24.5 64.5

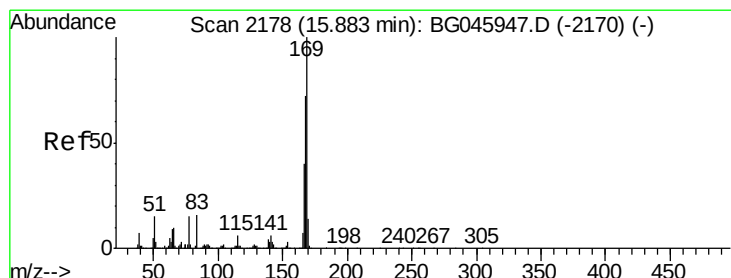
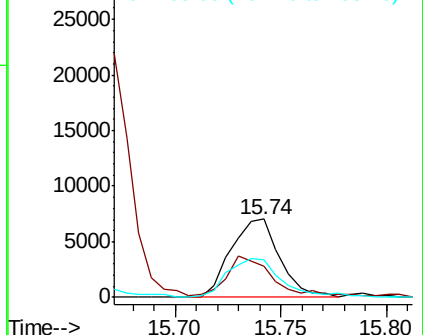
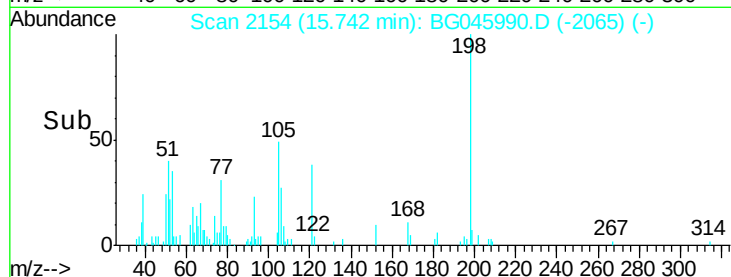
105 47.2 30.9 70.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 7.032 ng

RT: 15.88 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

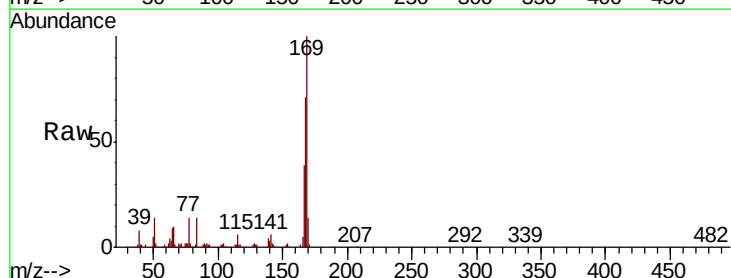
Tgt Ion:169 Resp: 161417

Ion Ratio Lower Upper

169 100

168 70.9 57.3 85.9

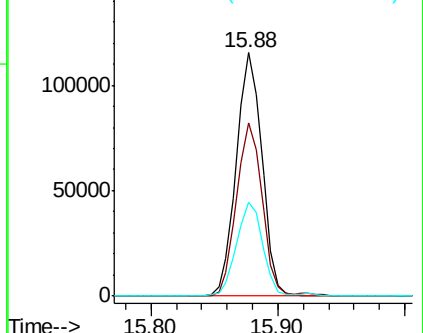
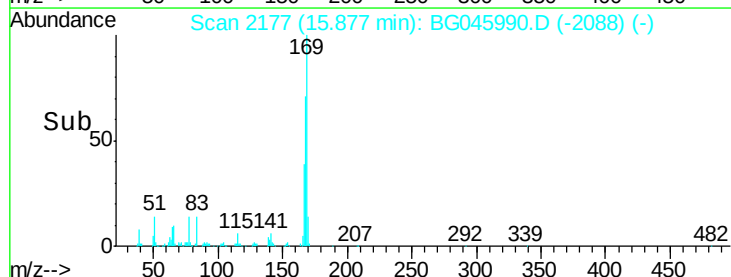
167 38.6 32.1 48.1

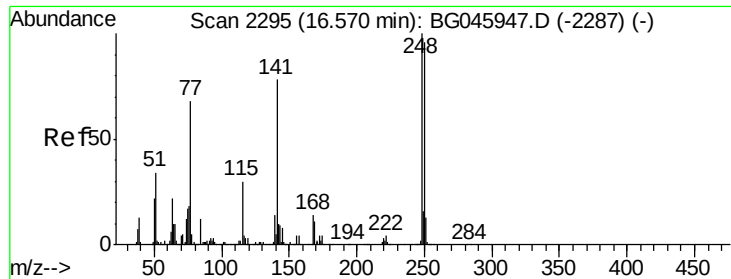


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

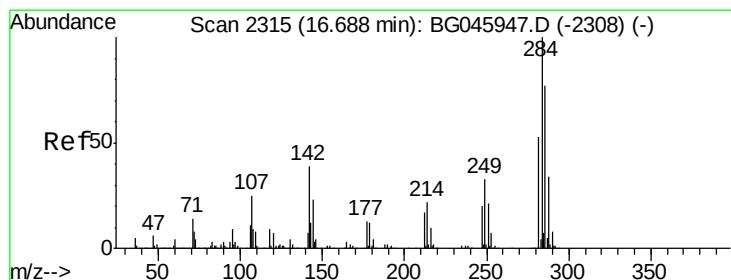
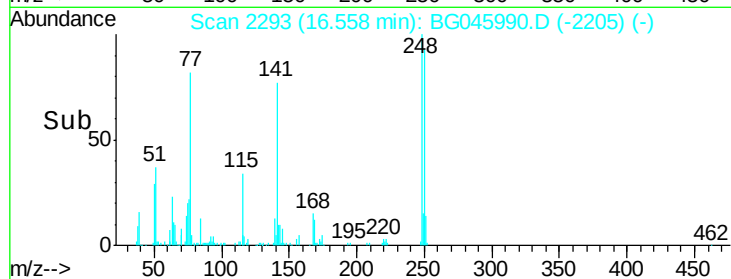
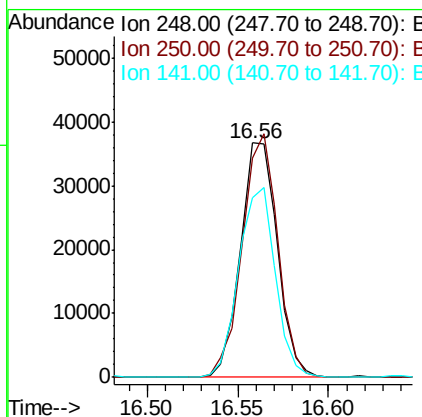
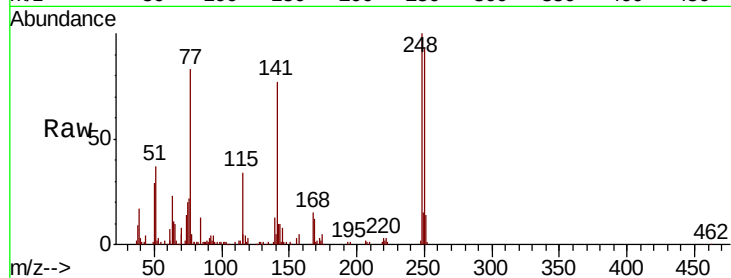




#67
4-Bromophenyl-phenylether
Concen: 6.298 ng
RT: 16.56 min Scan# 2293
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

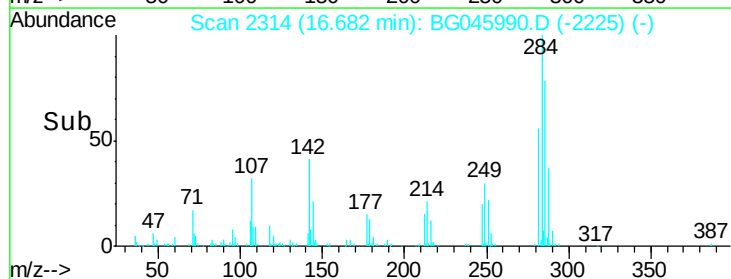
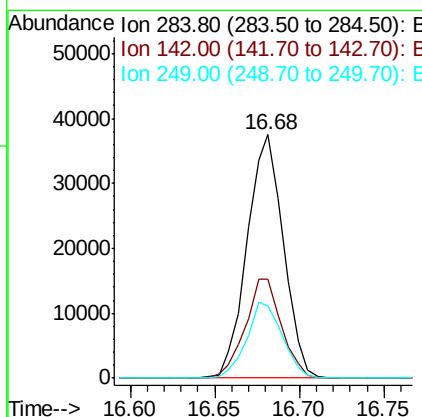
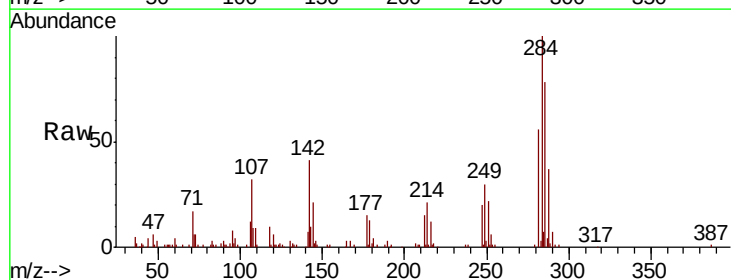
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

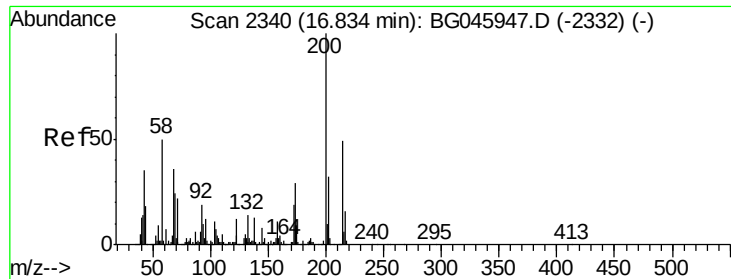
Tot Ion:248 Resp: 52097
Ion Ratio Lower Upper
248 100
250 93.4 76.6 114.8
141 76.5 62.7 94.1



#68
Hexachlorobenzene
Concen: 6.738 ng
RT: 16.68 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:284 Resp: 55934
Ion Ratio Lower Upper
284 100
142 40.6 31.3 46.9
249 29.7 26.8 40.2





#69

Atrazine

Concen: 7.710 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

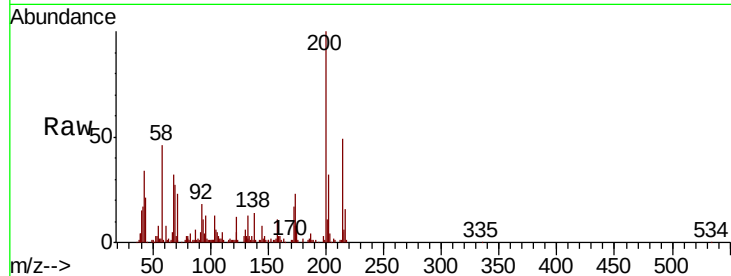
Tot Ion:200 Resp: 52320

Ion Ratio Lower Upper

200 100

173 22.8 9.1 49.1

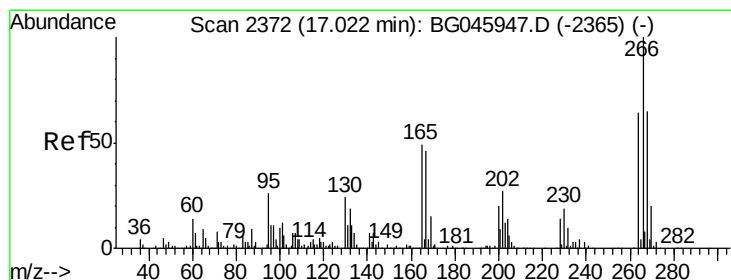
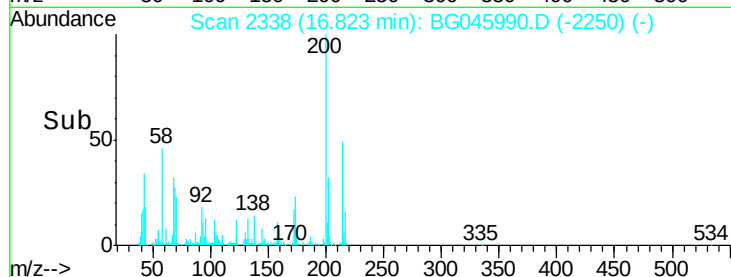
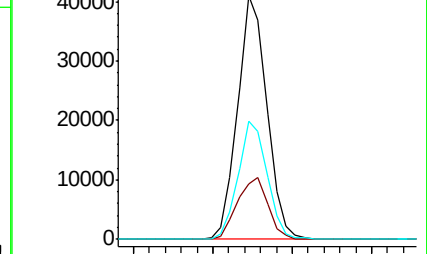
215 48.7 28.8 68.8



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: 4.971 ng

RT: 17.02 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

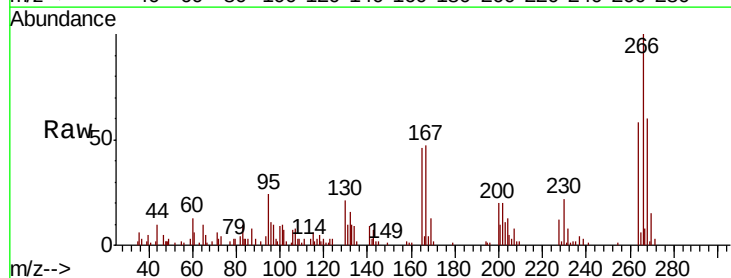
Tgt Ion:266 Resp: 22945

Ion Ratio Lower Upper

266 100

268 59.9 51.8 77.8

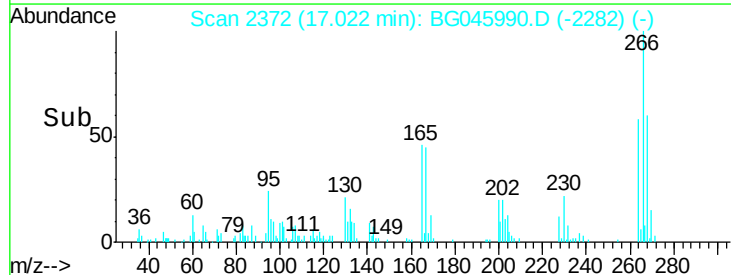
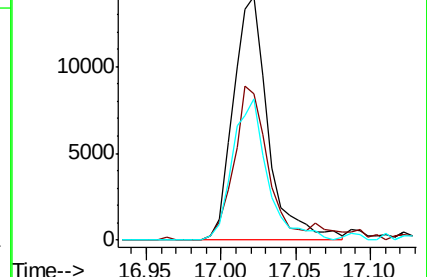
264 58.0 51.4 77.0

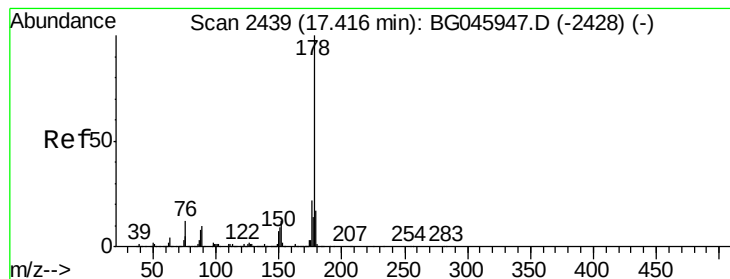


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 7.307 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

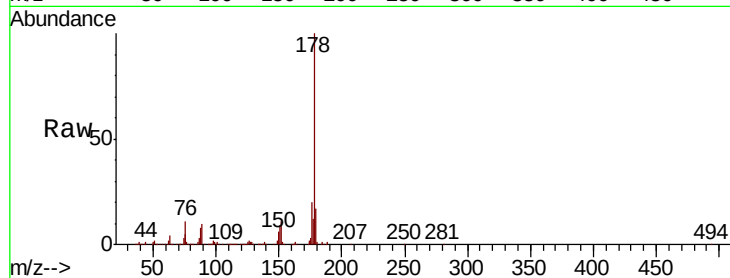
Tot Ion:178 Resp: 286117

Ion Ratio Lower Upper

178 100

176 20.0 17.4 26.2

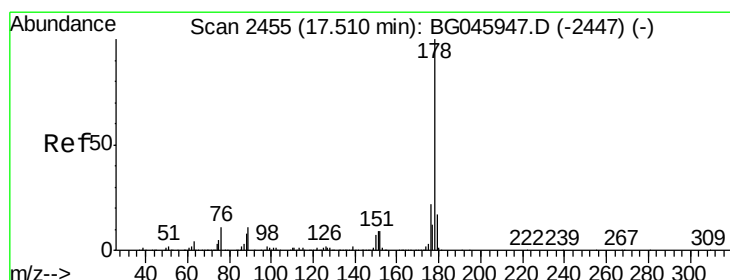
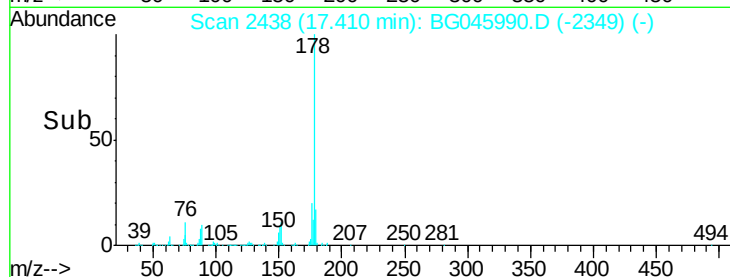
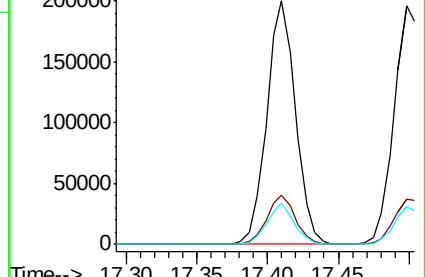
179 16.9 13.4 20.2



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: 7.427 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

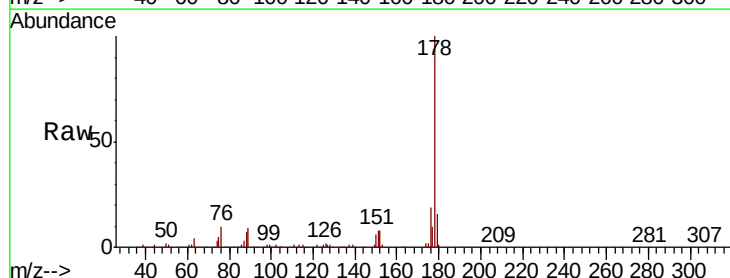
Tgt Ion:178 Resp: 295129

Ion Ratio Lower Upper

178 100

176 19.1 17.2 25.8

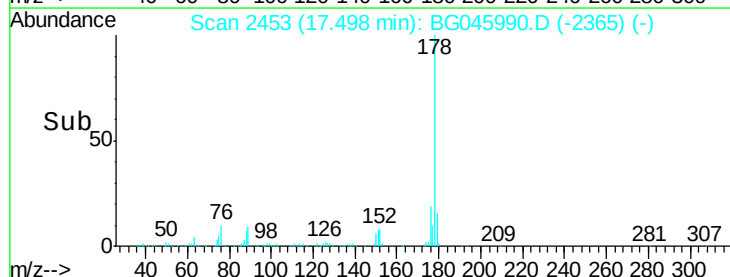
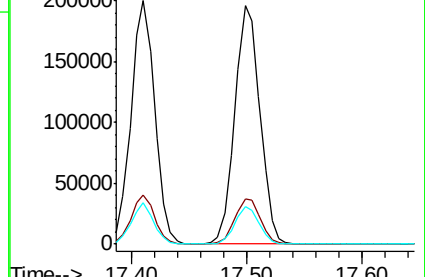
179 15.7 14.0 21.0

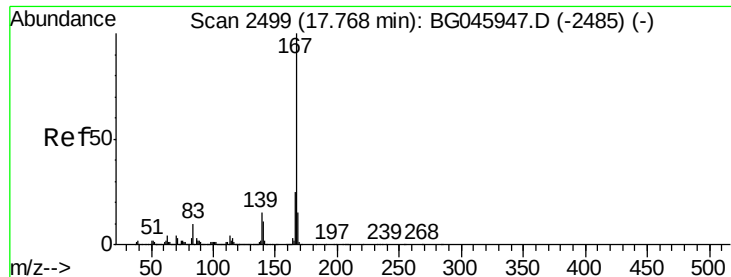


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

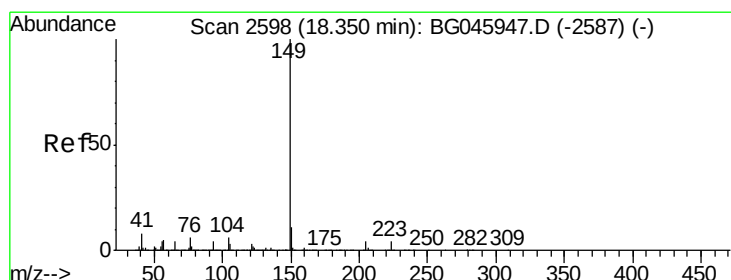
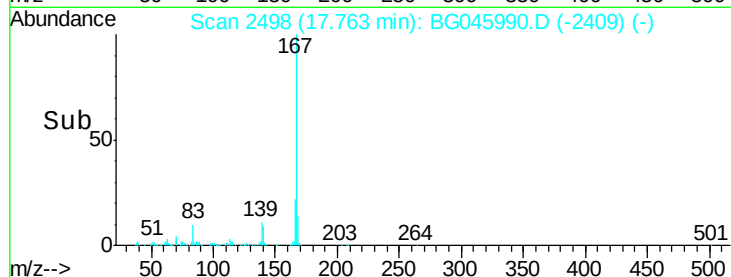
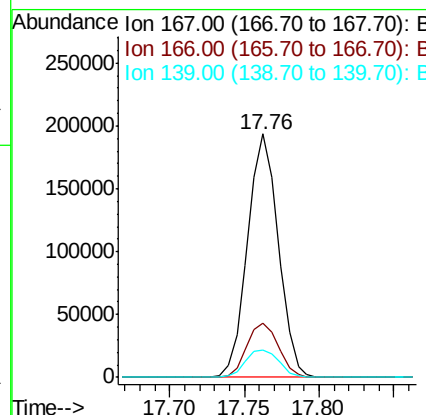
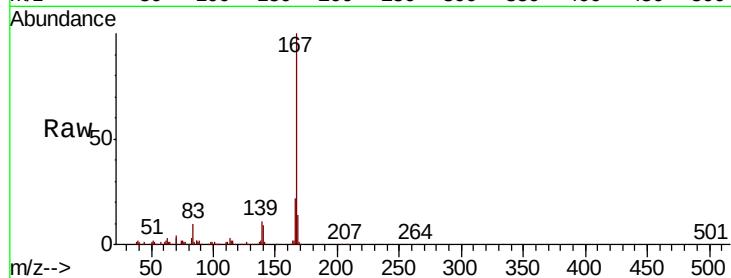




#73
 Carbazole
 Concen: 6.930 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

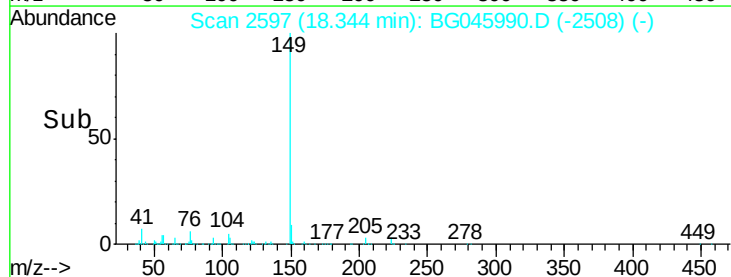
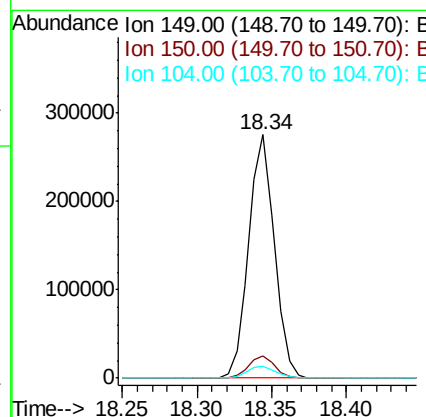
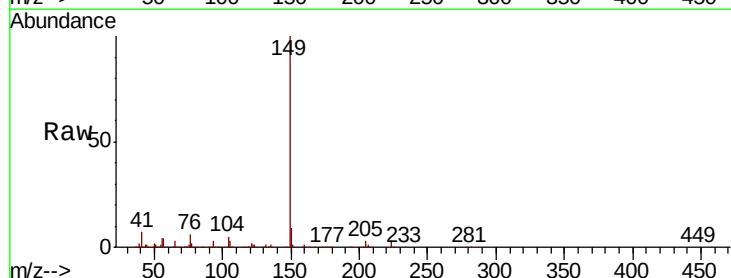
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

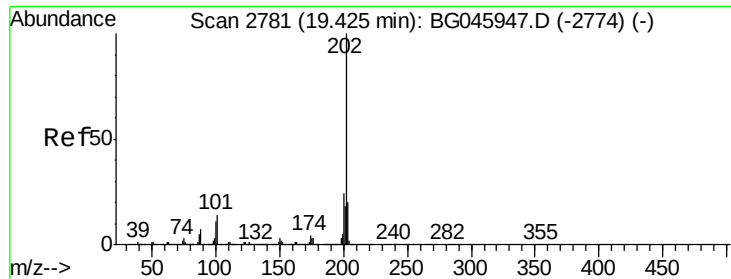
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	20.4	30.6
139	11.4	11.8	17.8



#74
 Di-n-butylphthalate
 Concen: 6.818 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	9.0	13.4
104	5.0	5.2	7.8





#75

Fluoranthene

Concen: 7.272 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

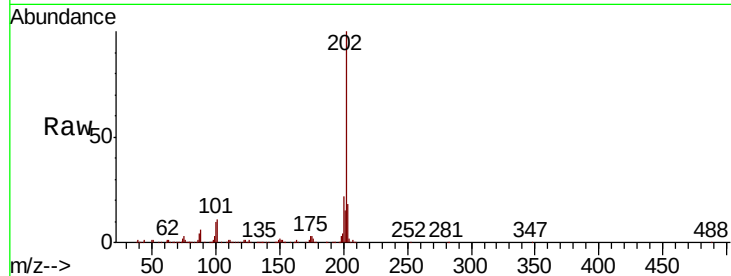
Tot Ion:202 Resp: 329187

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.8

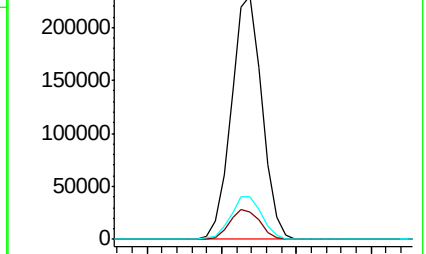
203 17.6 0.4 40.4



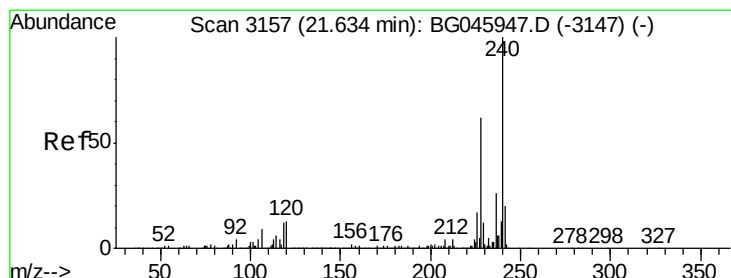
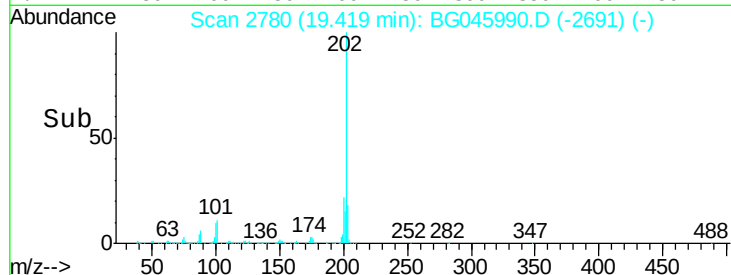
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

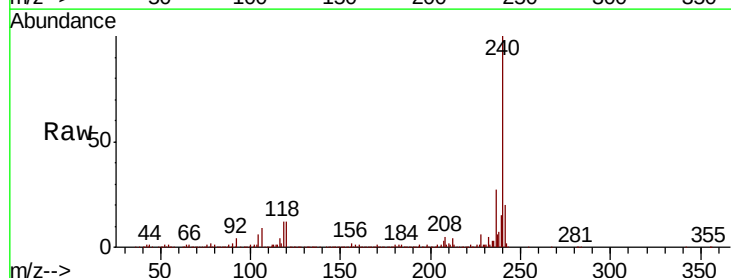
Tgt Ion:240 Resp: 655647

Ion Ratio Lower Upper

240 100

120 12.1 10.6 16.0

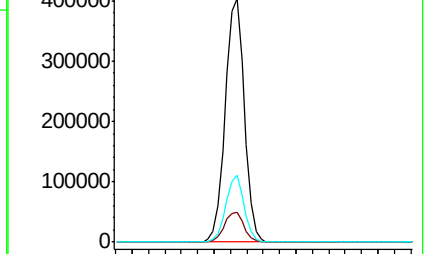
236 27.3 20.4 30.6



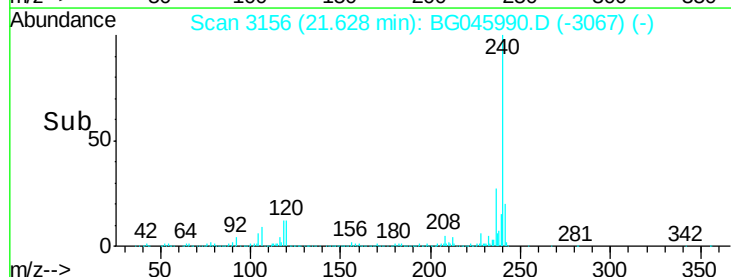
Abundance Ion 240.00 (239.70 to 240.70): E

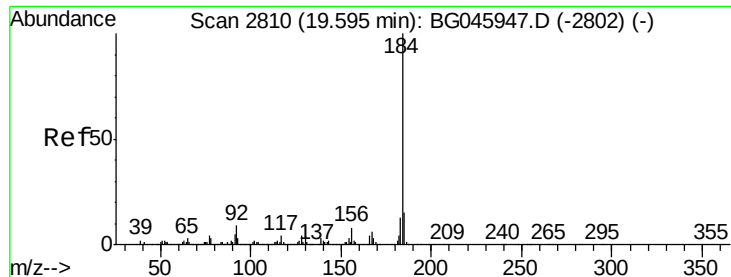
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: 8.306 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

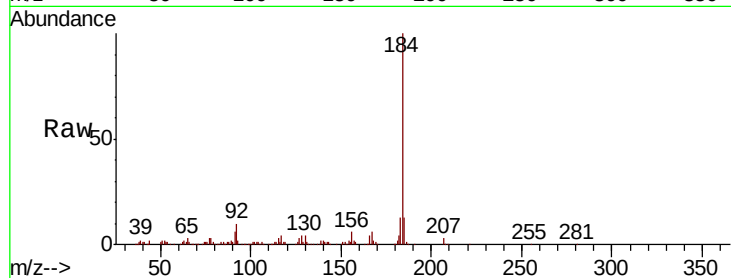
BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:184 Resp: 155711

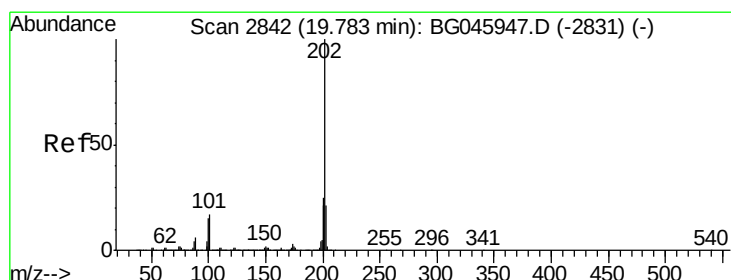
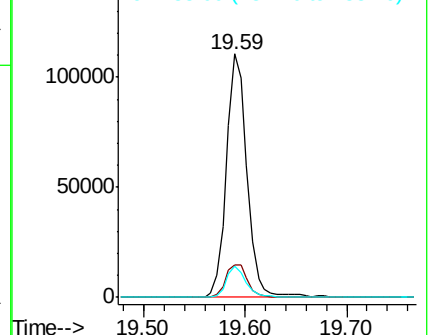
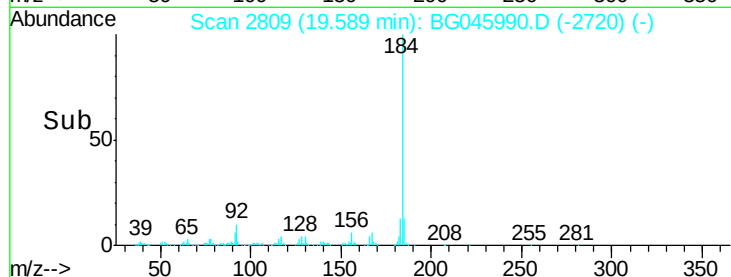
Ion	Ratio	Lower	Upper
184	100		
185	13.1	11.6	17.4
183	12.8	10.4	15.6



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: 7.503 ng

RT: 19.78 min Scan# 2841

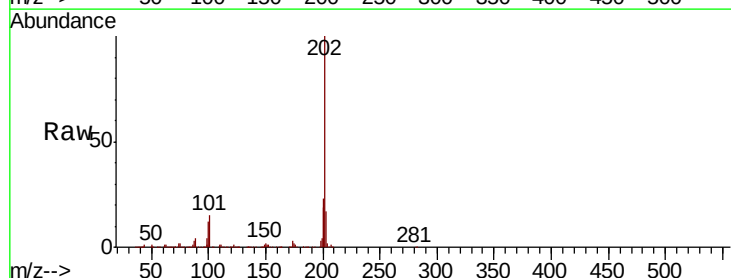
Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Tgt Ion:202 Resp: 335783

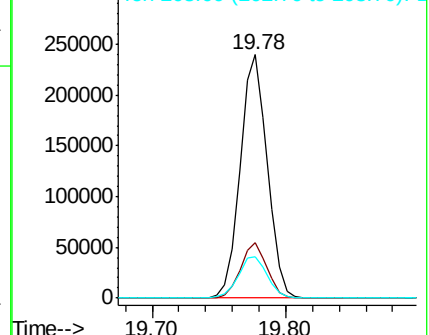
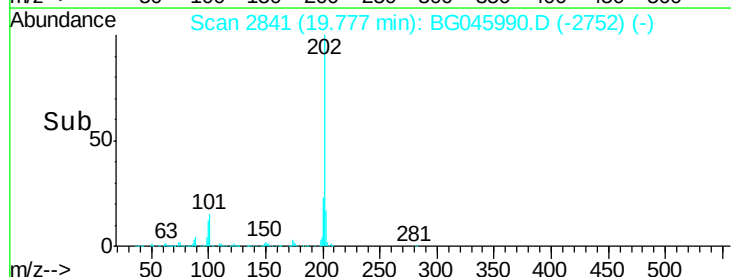
Ion	Ratio	Lower	Upper
202	100		
200	22.6	20.1	30.1
203	16.8	16.5	24.7

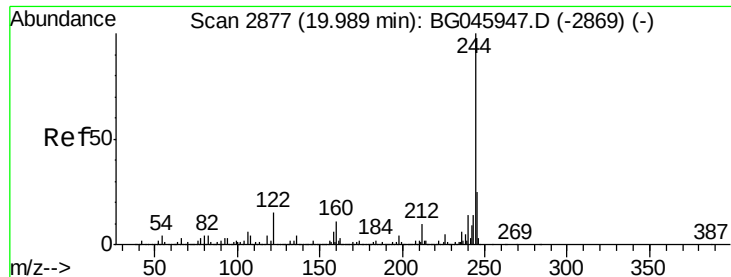


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.446 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT3-2020

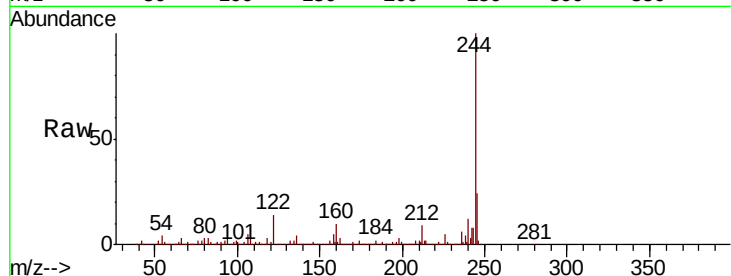
Tot Ion:244 Resp: 1751322

Ion Ratio Lower Upper

244 100

212 8.9 8.3 12.5

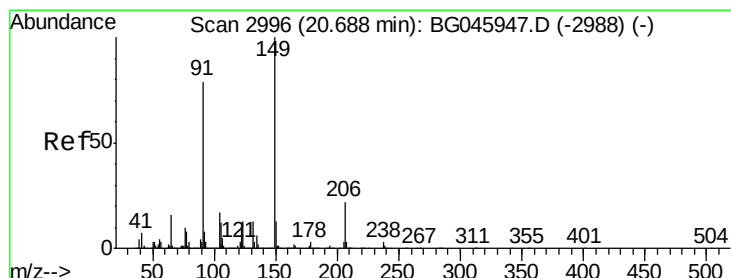
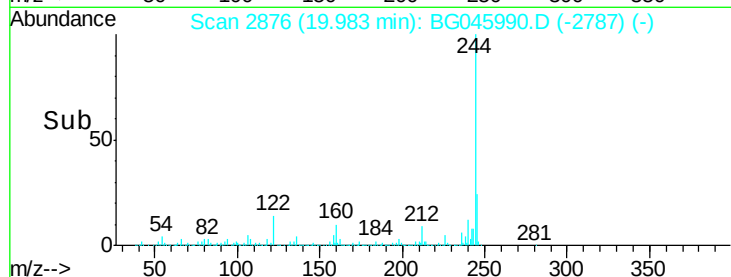
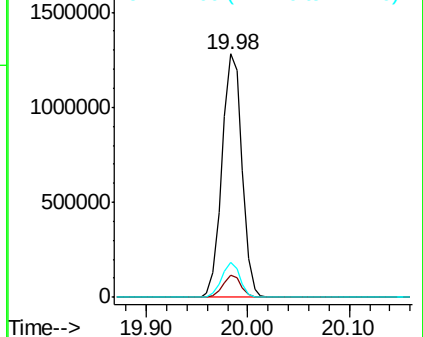
122 14.4 12.1 18.1



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: 6.165 ng

RT: 20.68 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BG045990.D

Acq: 9 Jul 2020 11:05

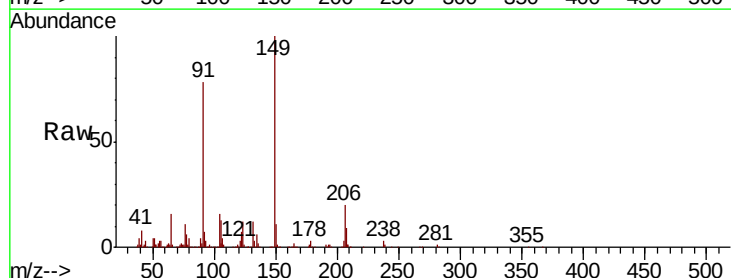
Tgt Ion:149 Resp: 130382

Ion Ratio Lower Upper

149 100

91 78.3 63.1 94.7

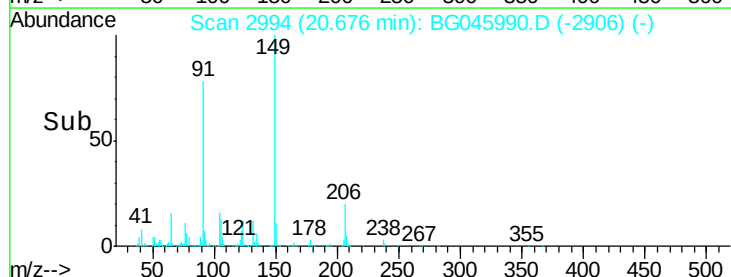
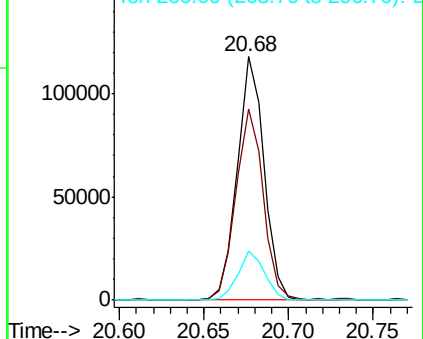
206 20.4 17.4 26.0

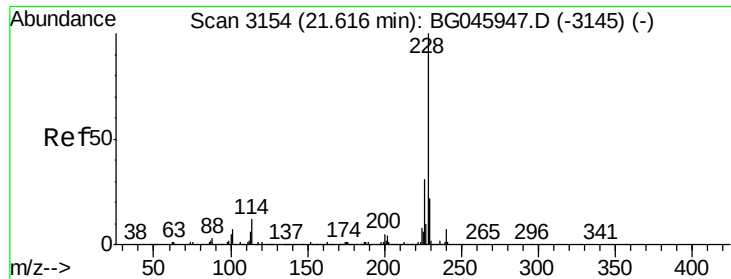


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

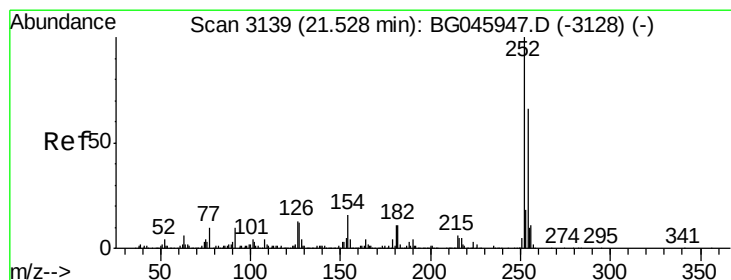
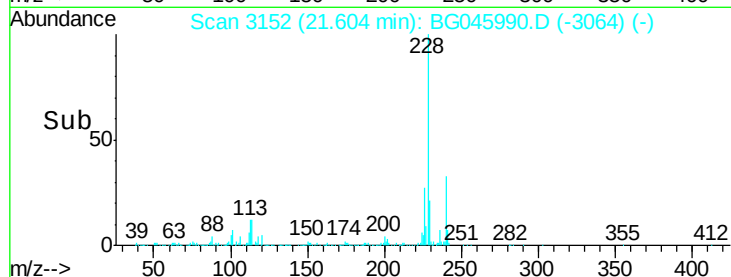
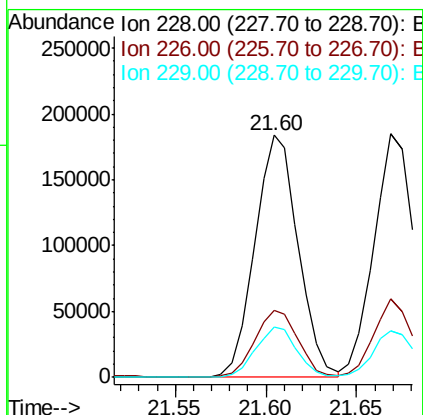
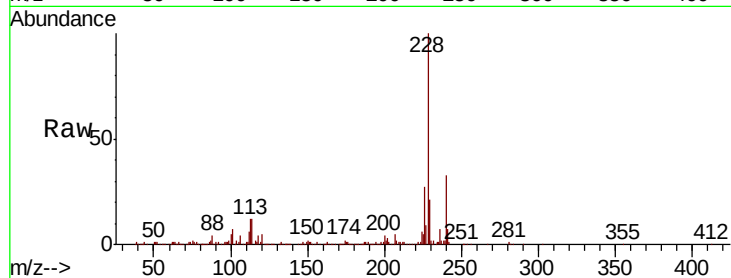




#81
Benzo(a)anthracene
Concen: 7.092 ng
RT: 21.60 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

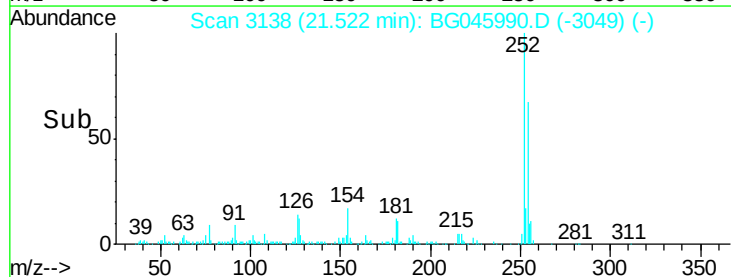
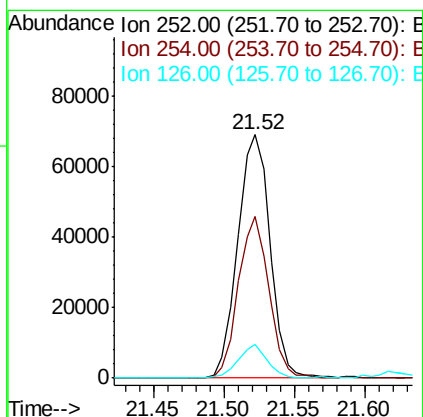
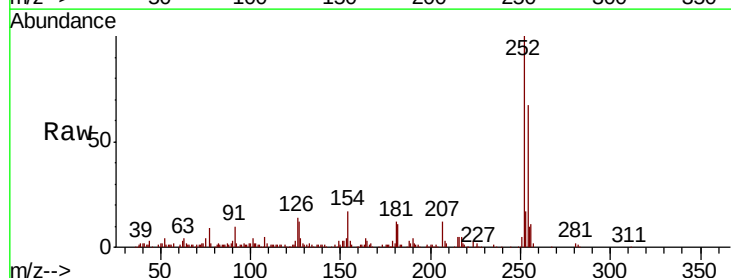
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

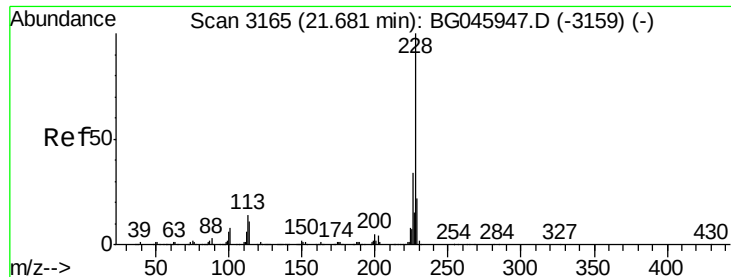
Tot Ion:228 Resp: 305757
Ion Ratio Lower Upper
228 100
226 27.5 24.8 37.2
229 20.8 17.8 26.8



#82
3,3'-Dichlorobenzidine
Concen: 6.938 ng
RT: 21.52 min Scan# 3138
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:252 Resp: 110531
Ion Ratio Lower Upper
252 100
254 66.6 52.9 79.3
126 14.0 10.4 15.6

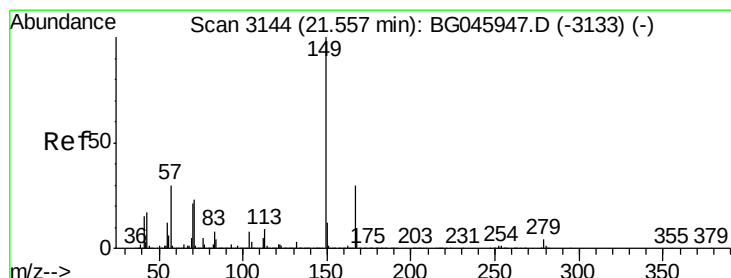
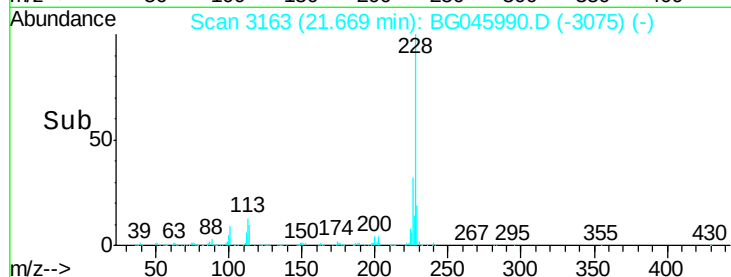
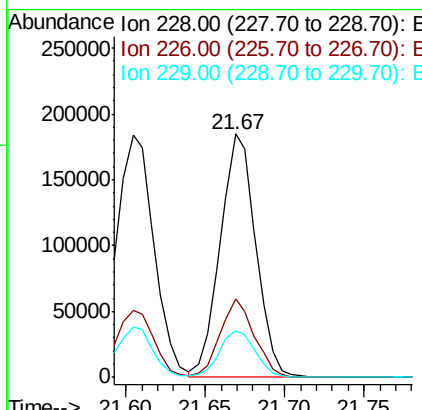
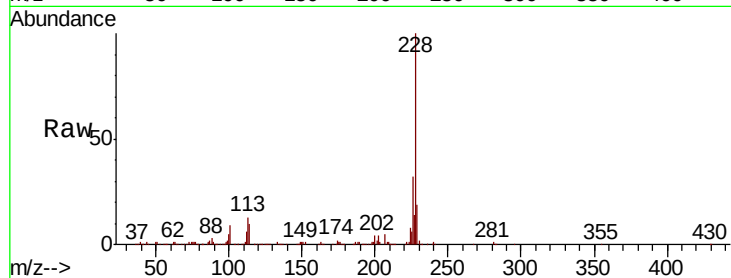




#83
Chrysene
Concen: 6.960 ng
RT: 21.67 min Scan# 3163
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

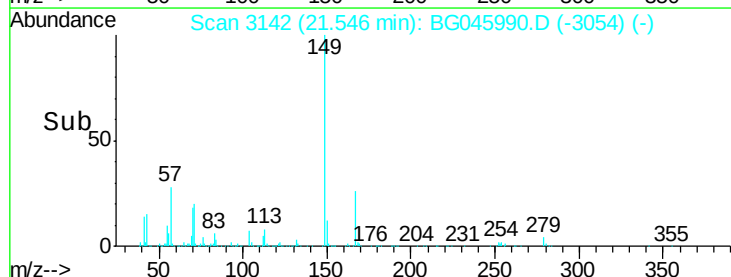
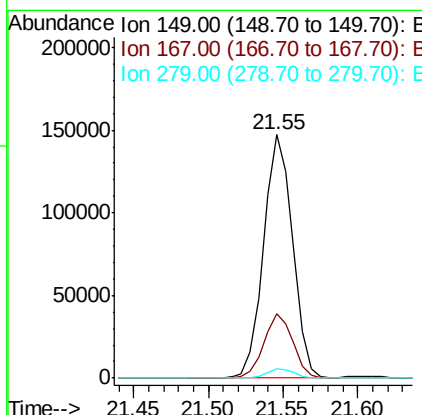
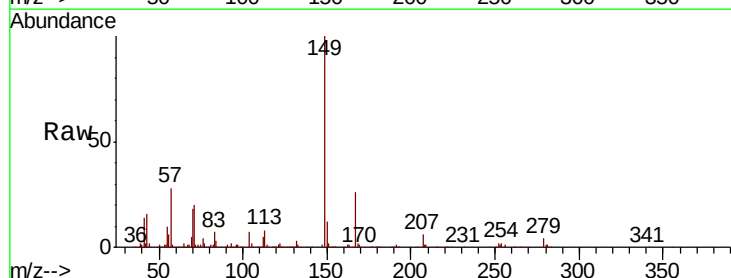
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

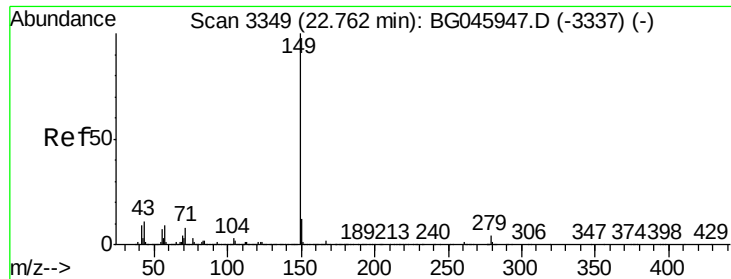
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	26.7	40.1
229	19.3	17.3	25.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.421 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	23.8	35.8
279	3.8	3.5	5.3

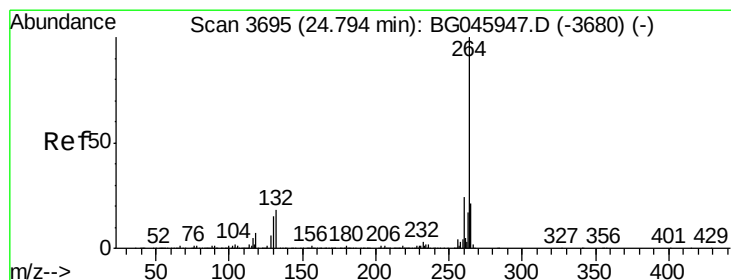
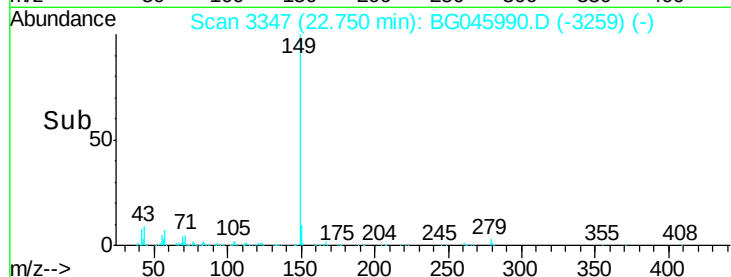
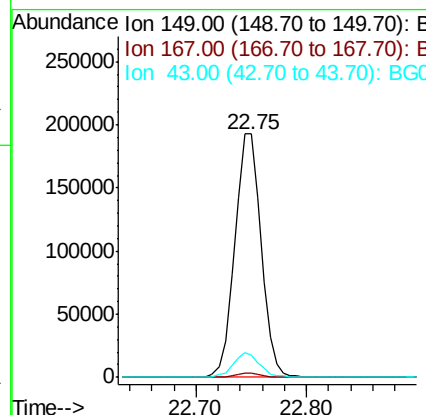
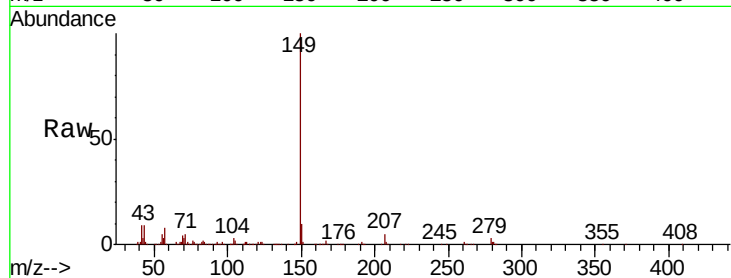




#85
Di-n-octyl phthalate
Concen: 6.084 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

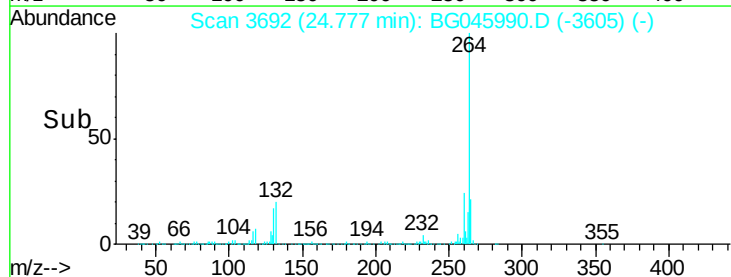
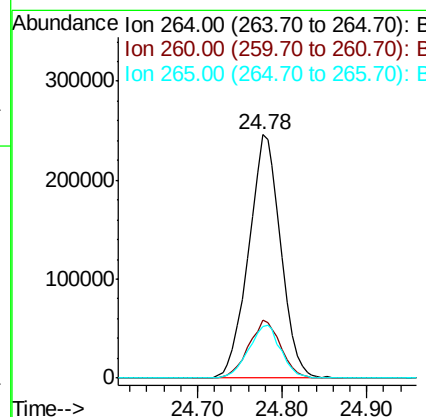
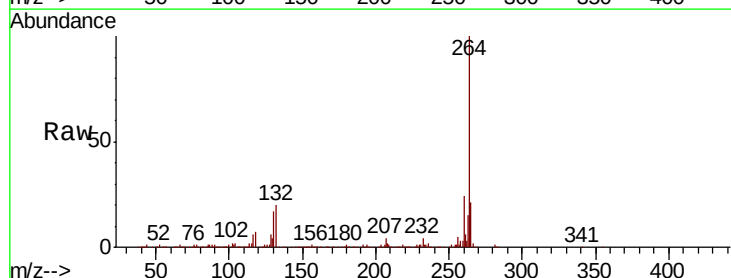
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

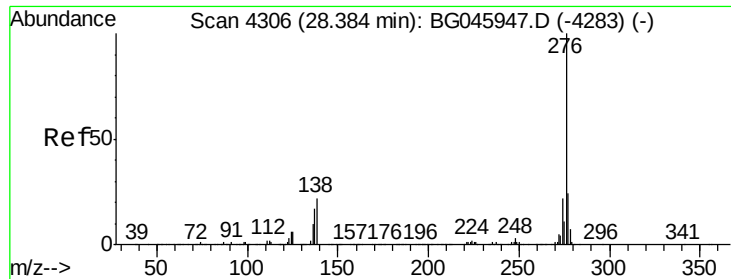
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.4	2.0
43	10.4	8.6	12.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.3	16.9	25.3

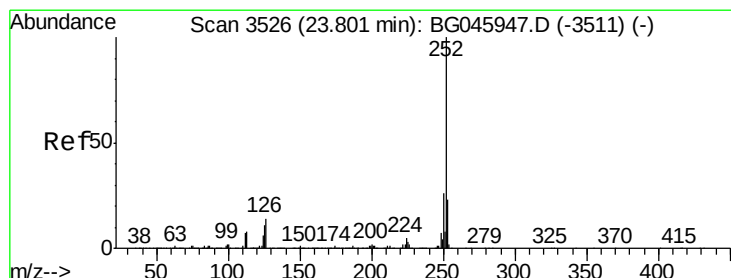
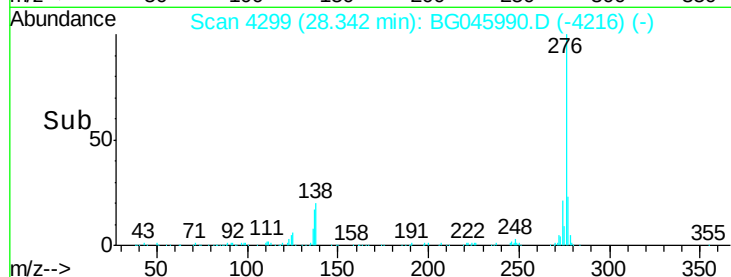
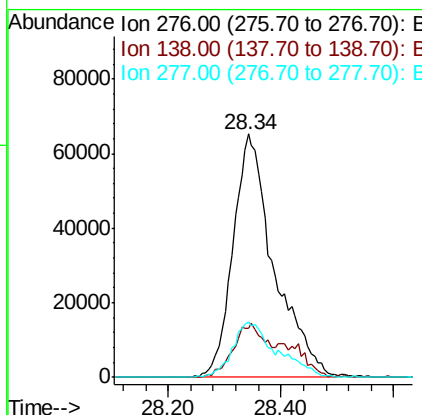
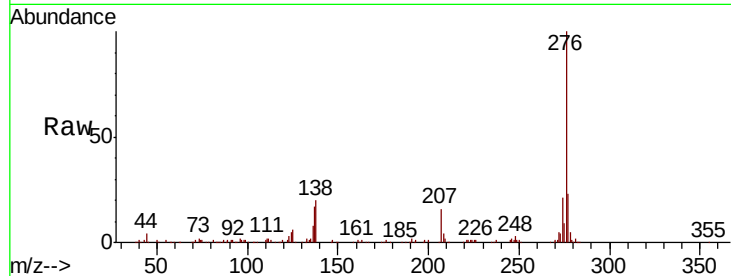




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.950 ng
 RT: 28.34 min Scan# 4299
 Delta R.T. -0.04 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

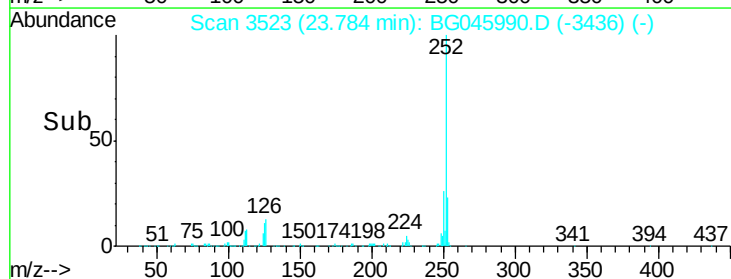
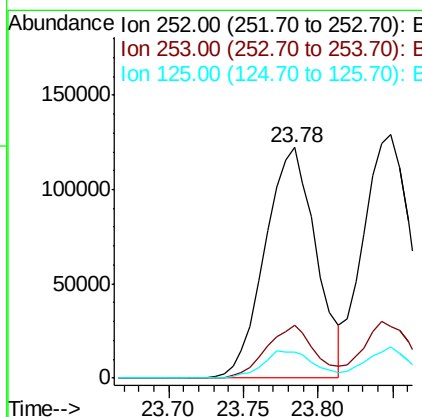
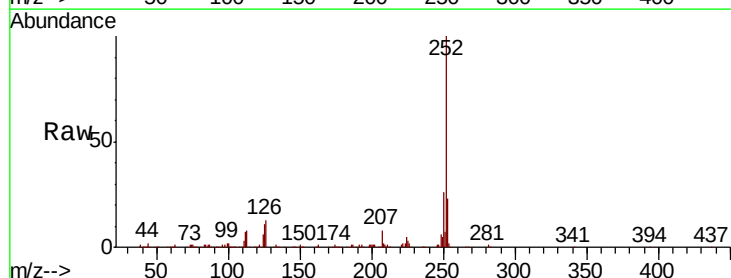
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

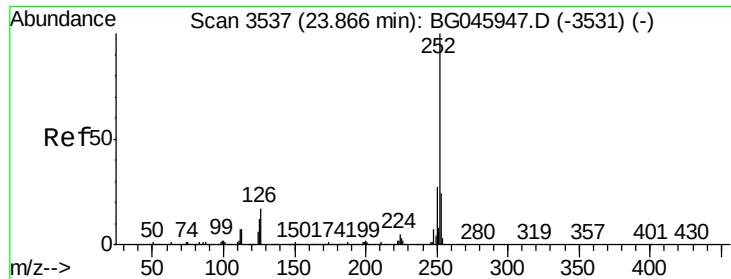
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	16.4	24.6
277	24.4	20.6	31.0



#88
 Benzo(b)fluoranthene
 Concen: 7.067 ng
 RT: 23.78 min Scan# 3523
 Delta R.T. -0.02 min
 Lab File: BG045990.D
 Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	11.4	9.2	13.8

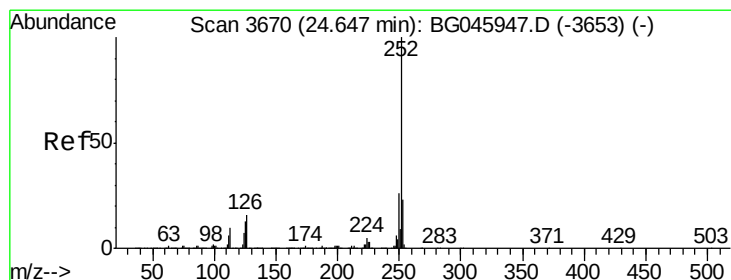
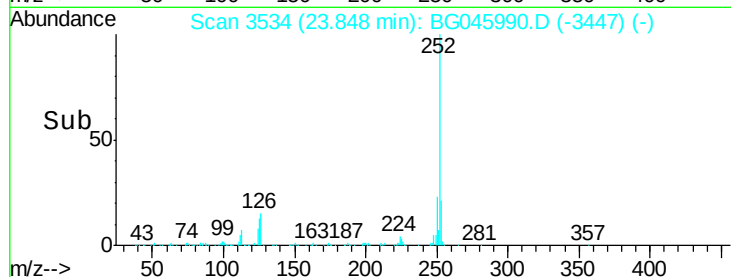
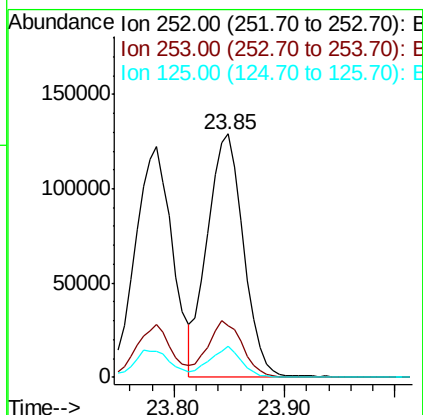
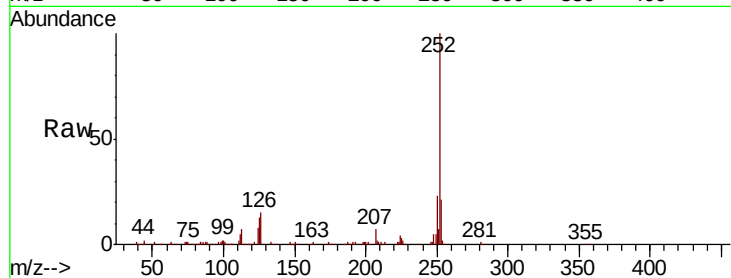




#89
Benzo(k)fluoranthene
Concen: 7.480 ng
RT: 23.85 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

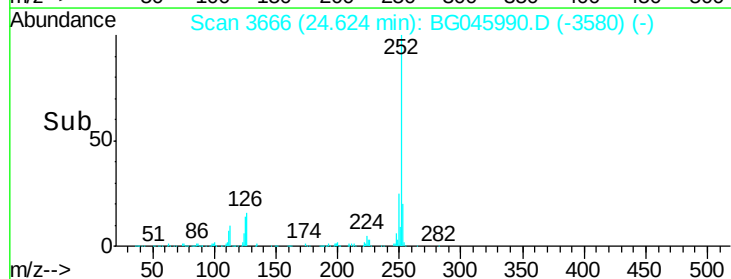
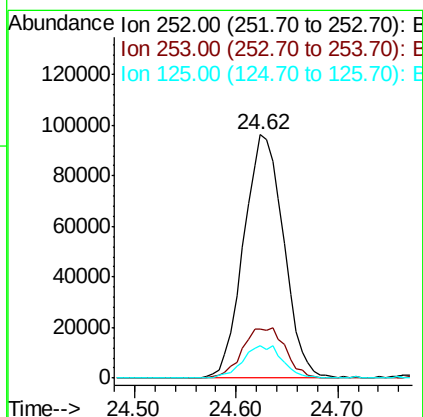
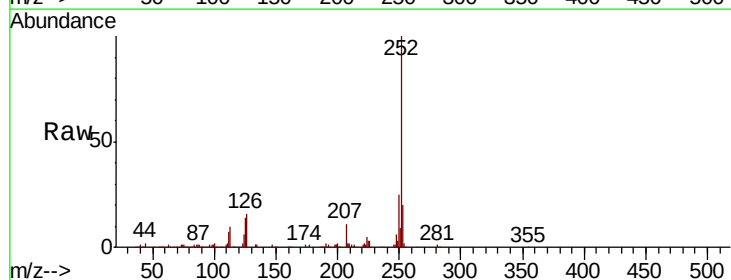
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

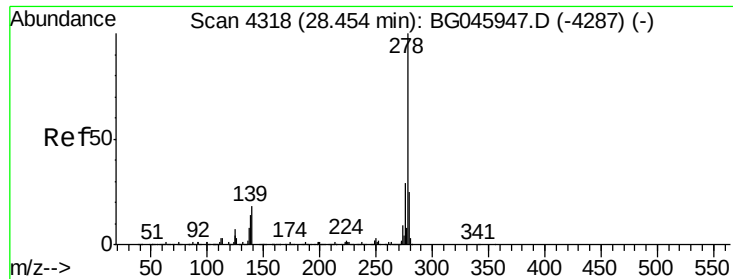
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.9	28.3
125	12.6	9.6	14.4



#90
Benzo(a)pyrene
Concen: 6.788 ng
RT: 24.62 min Scan# 3666
Delta R.T. -0.02 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	18.6	28.0
125	13.6	10.5	15.7

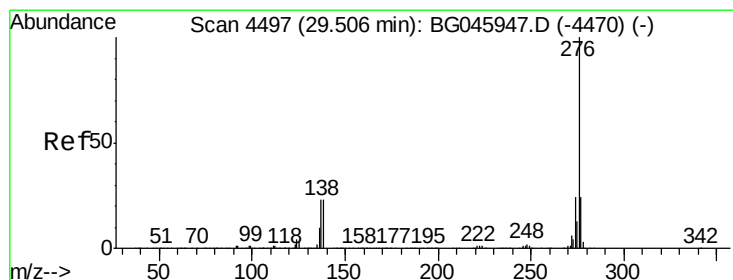
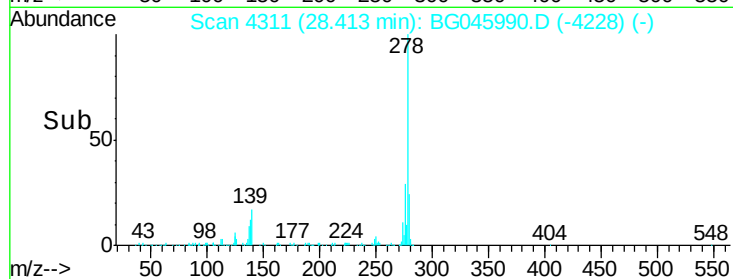
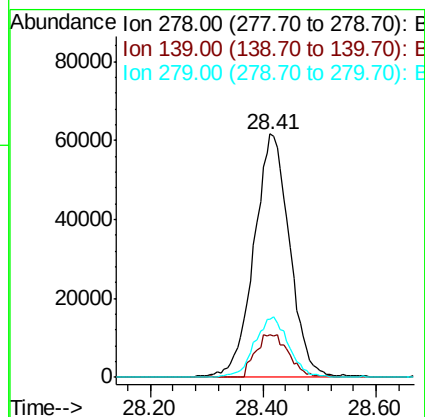
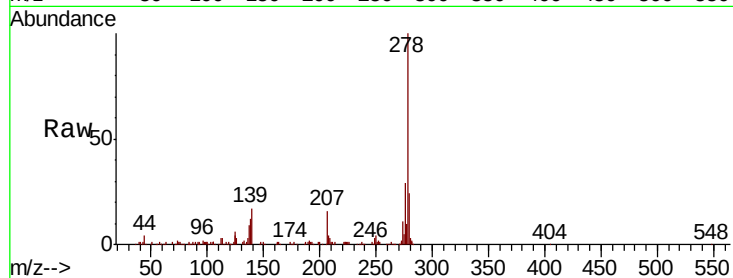




#91
Dibenzo(a,h)anthracene
Concen: 7.038 ng
RT: 28.41 min Scan# 4311
Delta R.T. -0.04 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:278 Resp: 269346
Ion Ratio Lower Upper
278 100
139 17.4 14.3 21.5
279 24.1 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 7.068 ng
RT: 29.45 min Scan# 4488
Delta R.T. -0.05 min
Lab File: BG045990.D
Acq: 9 Jul 2020 11:05

Tgt Ion:276 Resp: 272195
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 23.8 18.6 28.0

