

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052020\
 Data File : BG045434.D
 Acq On : 20 May 2020 13:36
 Operator : CG/JU
 Sample : L2182-03
 Misc : MDL- 8PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: May 20 14:17:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 12:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	76213	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	311824	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	232171	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	554570	20.00	ng	0.00
76) Chrysene-d12	21.62	240	558358	20.00	ng	0.00
87) Perylene-d12	24.77	264	587923	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	488753	125.33	ng	0.00
7) Phenol-d6	7.20	99	720651	129.83	ng	0.00
23) Nitrobenzene-d5	9.13	82	502375	87.85	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	431539	145.34	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1227916	89.71	ng	0.00
79) Terphenyl-d14	19.97	244	2275182	95.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.42	88	13406	6.932	ng	93
3) Pyridine	3.82	79	28408	5.275	ng	95
4) n-Nitrosodimethylamine	3.73	42	10818	6.138	ng	# 95
6) Aniline	7.30	93	51509	7.109	ng	# 91
8) 2-Chlorophenol	7.55	128	30839	7.211	ng	94
9) Benzaldehyde	7.10	77	28153	7.785	ng	98
10) Phenol	7.22	94	39500	6.905	ng	94
11) bis(2-Chloroethyl)ether	7.39	93	29891	6.699	ng	94
12) 1,3-Dichlorobenzene	7.86	146	34275	6.669	ng	97
13) 1,4-Dichlorobenzene	8.00	146	36092	7.116	ng	98
14) 1,2-Dichlorobenzene	8.32	146	34163	7.003	ng	96
15) Benzyl Alcohol	8.22	79	28789	6.279	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.49	45	28980	6.842	ng	92
17) 2-Methylphenol	8.46	107	27889	6.513	ng	# 89
18) Hexachloroethane	9.05	117	12674	6.525	ng	# 88
19) n-Nitroso-di-n-propylamine	8.77	70	28076	7.315	ng	96
20) 3+4-Methylphenols	8.46	107	27889	4.783	ng	88
22) Acetophenone	8.79	105	51600	6.982	ng	93
24) Nitrobenzene	9.17	77	40783	6.657	ng	100
25) Isophorone	9.69	82	79248	7.037	ng	96
26) 2-Nitrophenol	9.89	139	18118	6.913	ng	# 86
27) 2,4-Dimethylphenol	9.98	122	30417	7.825	ng	89
28) bis(2-Chloroethoxy)methane	10.19	93	44325	7.505	ng	97
29) 2,4-Dichlorophenol	10.46	162	31387	6.838	ng	89
30) 1,2,4-Trichlorobenzene	10.64	180	36800	6.785	ng	98
31) Naphthalene	10.83	128	104685	7.204	ng	98
32) Benzoic acid	10.10	122	10908	13.287	ng	92
33) 4-Chloroaniline	10.94	127	41441	6.823	ng	92
34) Hexachlorobutadiene	11.12	225	25740	6.714	ng	93
35) Caprolactam	11.68	113	12686	7.530	ng	89
36) 4-Chloro-3-methylphenol	12.11	107	37568	7.263	ng	99
37) 2-Methylnaphthalene	12.44	142	81487	7.524	ng	98
38) 1-Methylnaphthalene	12.65	142	78338	7.657	ng	# 95
40) 1,2,4,5-Tetrachlorobenzene	12.81	216	46187	7.122	ng	99

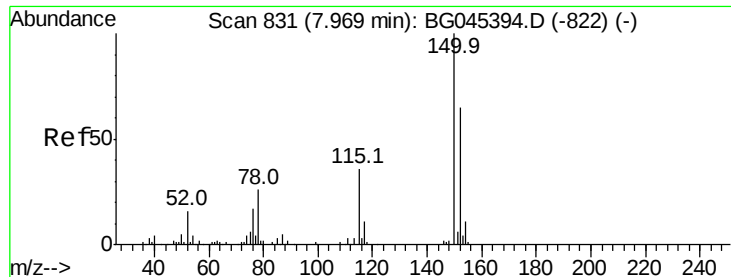
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	20188	5.394	ng	98
43) 2,4,6-Trichlorophenol	13.06	196	29151	6.471	ng	90
44) 2,4,5-Trichlorophenol	13.16	196	33816	6.569	ng	97
46) 1,1'-Biphenyl	13.44	154	108145	7.581	ng	96
47) 2-Chloronaphthalene	13.49	162	81884	7.068	ng	99
48) 2-Nitroaniline	13.70	65	24447	6.415	ng	93
49) Acenaphthylene	14.33	152	143119	7.691	ng	97
50) Dimethylphthalate	14.06	163	123511	7.755	ng	99
51) 2,6-Dinitrotoluene	14.18	165	26769	7.449	ng	96
52) Acenaphthene	14.67	154	84088	6.751	ng	96
53) 3-Nitroaniline	14.52	138	23976	6.563	ng #	86
54) 2,4-Dinitrophenol	14.73	184	4328	7.172	ng #	72
55) Dibenzofuran	15.01	168	144832	7.830	ng	99
56) 4-Nitrophenol	14.90	139	16238	5.871	ng	92
57) 2,4-Dinitrotoluene	14.97	165	36725	7.056	ng	96
58) Fluorene	15.66	166	120599	7.936	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.25	232	33712	7.444	ng #	95
60) Diethylphthalate	15.43	149	129089	7.787	ng #	93
61) 4-Chlorophenyl-phenylether	15.66	204	66276	7.622	ng	94
62) 4-Nitroaniline	15.69	138	27540	7.221	ng	82
63) Azobenzene	15.94	77	116985	7.568	ng	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	17298	5.356	ng	90
66) n-Nitrosodiphenylamine	15.87	169	106266	7.981	ng	94
67) 4-Bromophenyl-phenylether	16.55	248	45232	7.532	ng	92
68) Hexachlorobenzene	16.67	284	50297	8.008	ng	97
69) Atrazine	16.82	200	42903	7.823	ng	99
70) Pentachlorophenol	17.03	266	8582	2.632	ng	96
71) Phenanthrene	17.40	178	203453	8.404	ng	99
72) Anthracene	17.49	178	210750	8.668	ng	99
73) Carbazole	17.77	167	191848	8.095	ng	96
74) Di-n-butylphthalate	18.32	149	229545	8.070	ng	97
75) Fluoranthene	19.41	202	260548	8.461	ng	99
77) Benzidine	19.59	184	109038	6.953	ng	96
78) Pyrene	19.77	202	269110	8.455	ng	97
80) Butylbenzylphthalate	20.66	149	102969	7.495	ng	96
81) Benzo(a)anthracene	21.59	228	258146	8.299	ng	99
82) 3,3'-Dichlorobenzidine	21.52	252	101253	8.299	ng	99
83) Chrysene	21.66	228	241630	8.079	ng	97
84) Bis(2-ethylhexyl)phthalate	21.51	149	147033	7.786	ng #	97
85) Di-n-octyl phthalate	22.70	149	250224	7.715	ng	100
86) Indeno(1,2,3-cd)pyrene	28.35	276	297050	7.595	ng #	79
88) Benzo(b)fluoranthene	23.84	252	252367	8.004	ng	97
89) Benzo(k)fluoranthene	23.84	252	252367	8.519	ng	96
90) Benzo(a)pyrene	24.62	252	236713	8.061	ng #	99
91) Dibenzo(a,h)anthracene	28.41	278	243242	8.243	ng	95
92) Benzo(g,h,i)perylene	29.45	276	243844	8.262	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.97 min Scan# 830

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

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BNA_G

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MDL-SOIL-03-QT2-2020

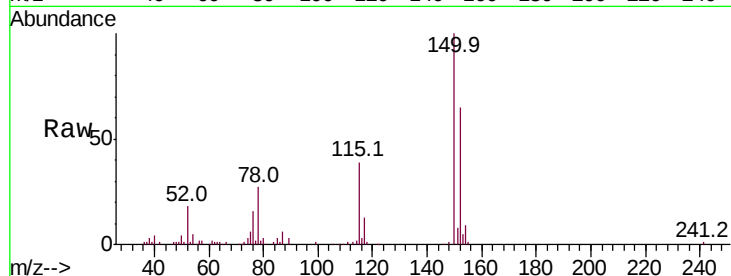
Tot Ion:152 Resp: 76213

Ion Ratio Lower Upper

152 100

150 154.3 122.4 183.6

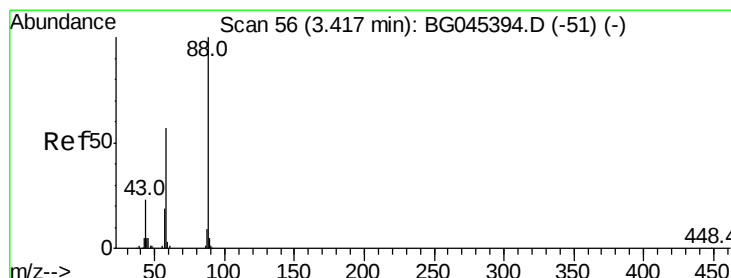
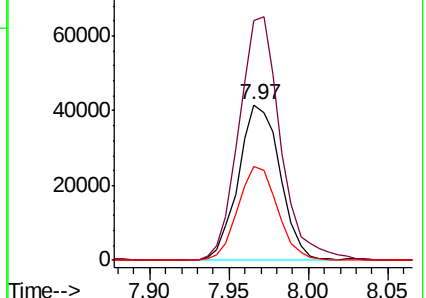
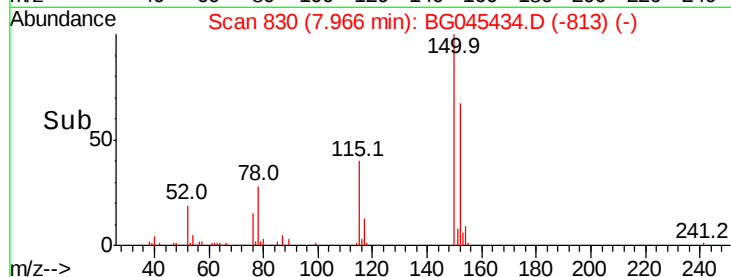
115 60.5 44.2 66.4



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: 6.932 ng

RT: 3.42 min Scan# 56

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

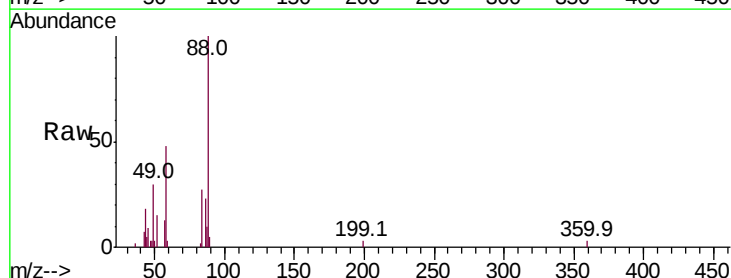
Tgt Ion: 88 Resp: 13406

Ion Ratio Lower Upper

88 100

58 50.8 45.7 68.5

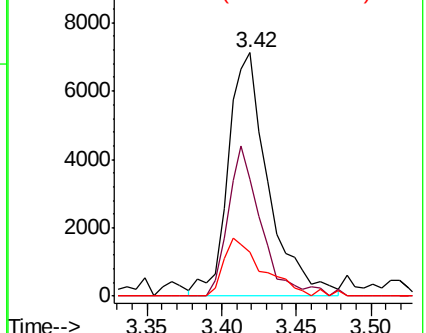
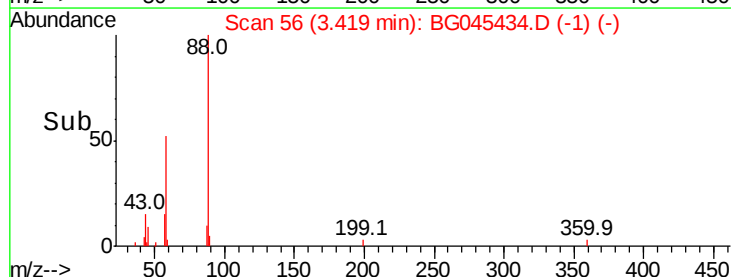
43 22.8 16.8 25.2

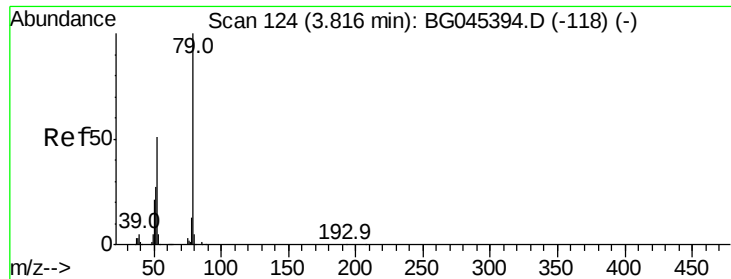


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 5.275 ng

RT: 3.82 min Scan# 125

Delta R.T. 0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

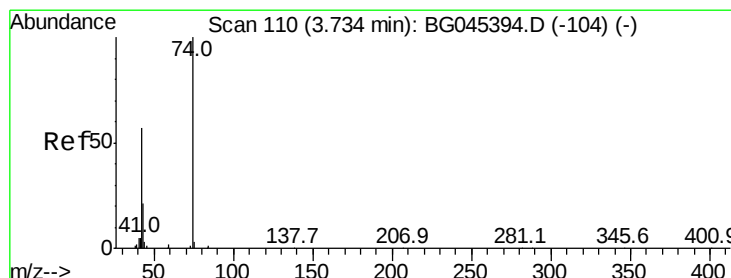
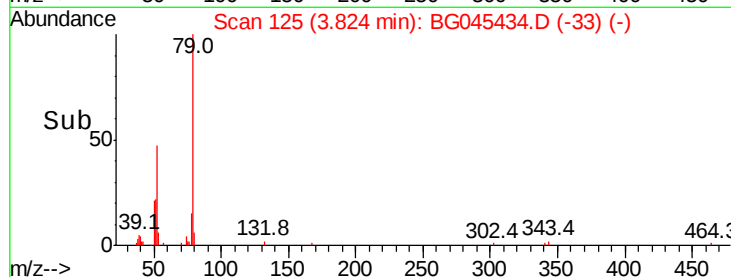
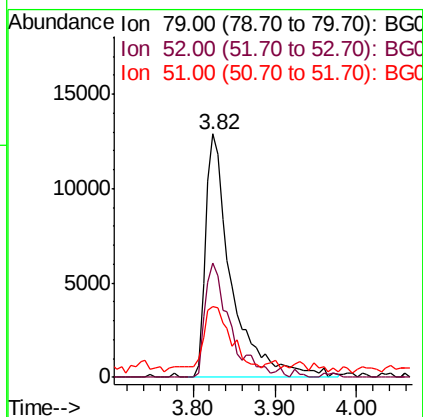
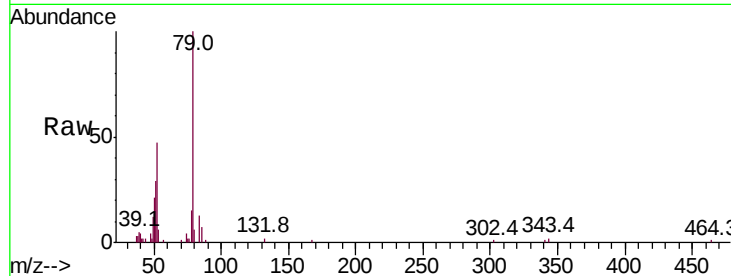
Tot Ion: 79 Resp: 28408

Ion Ratio Lower Upper

79 100

52 46.9 40.8 61.2

51 28.9 21.9 32.9



#4

n-Nitrosodimethylamine

Concen: 6.138 ng

RT: 3.73 min Scan# 109

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

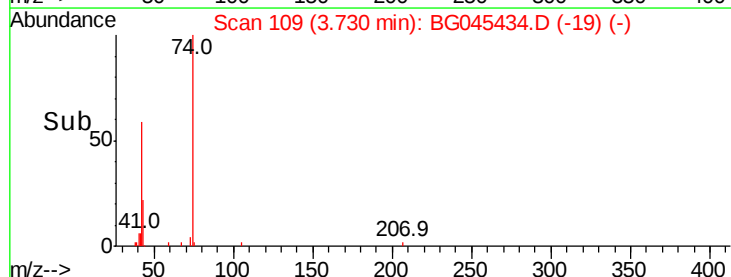
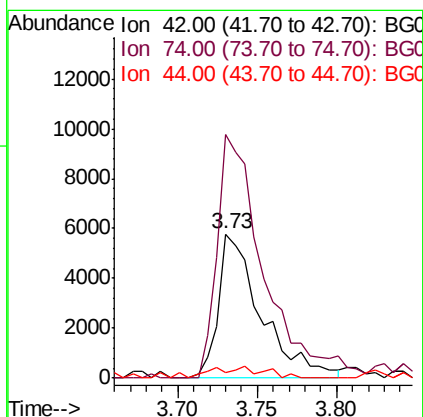
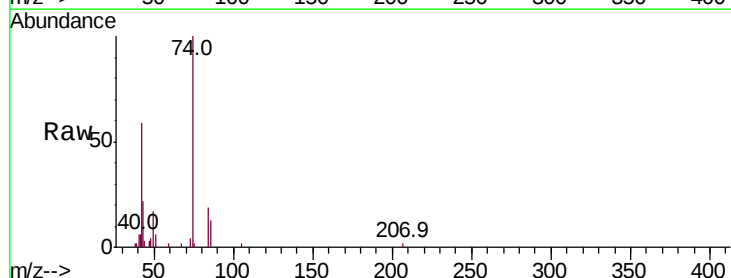
Tgt Ion: 42 Resp: 10818

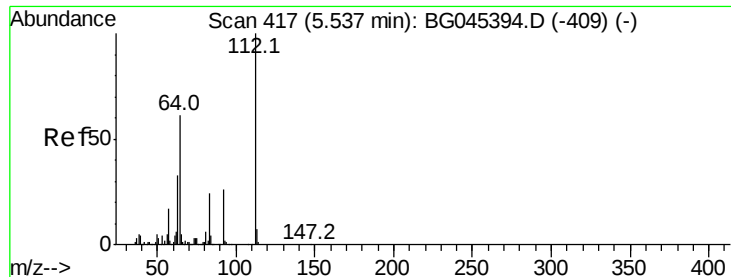
Ion Ratio Lower Upper

42 100

74 168.8 141.3 211.9

44 4.2 4.2 6.4#





#5

2-Fluorophenol

Concen: 125.329 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

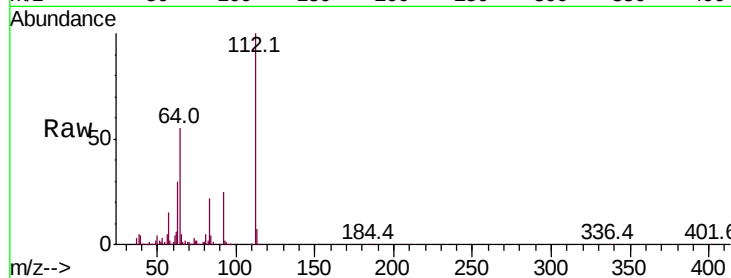
Tot Ion:112 Resp: 488753

Ion Ratio Lower Upper

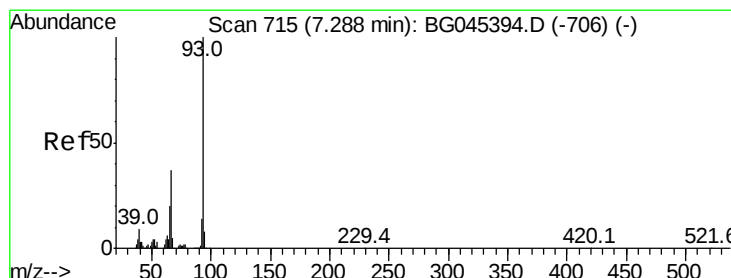
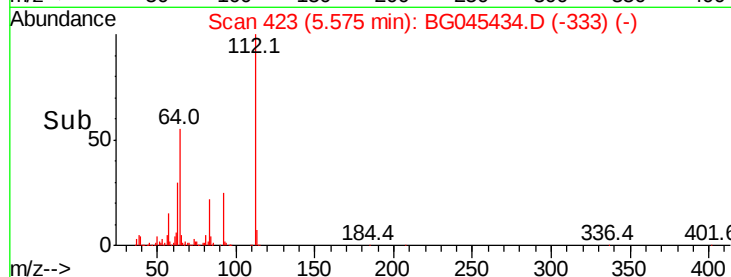
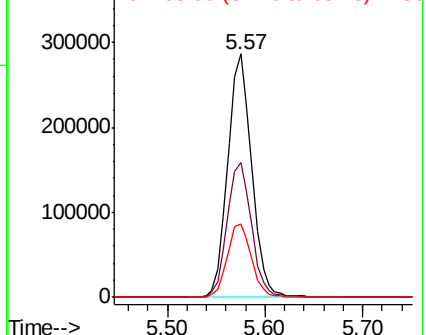
112 100

64 55.4 48.6 72.8

63 30.1 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 7.109 ng

RT: 7.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

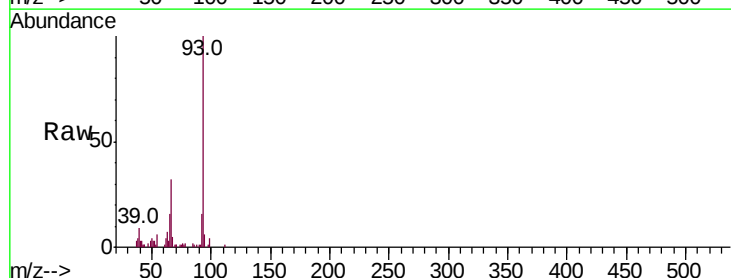
Tgt Ion: 93 Resp: 51509

Ion Ratio Lower Upper

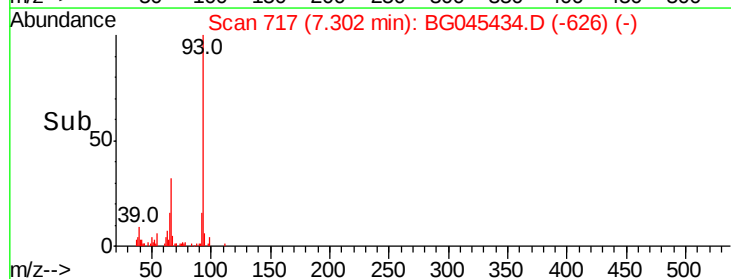
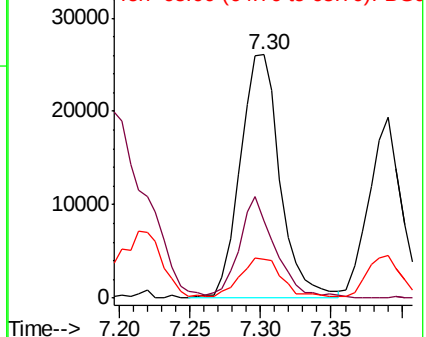
93 100

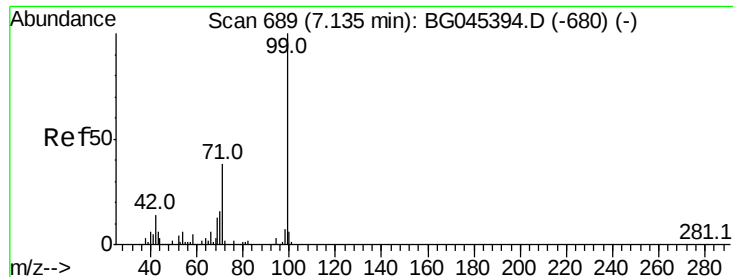
66 31.9 29.6 44.4

65 15.8 15.9 23.9#



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: 129.835 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.01 min

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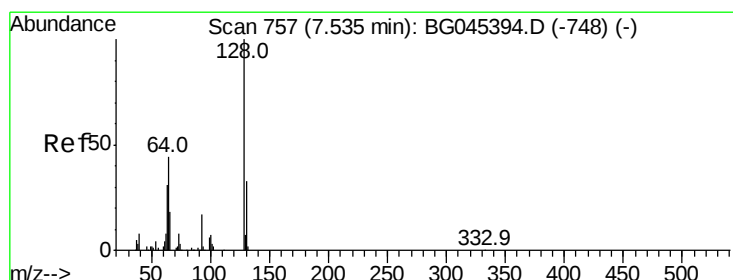
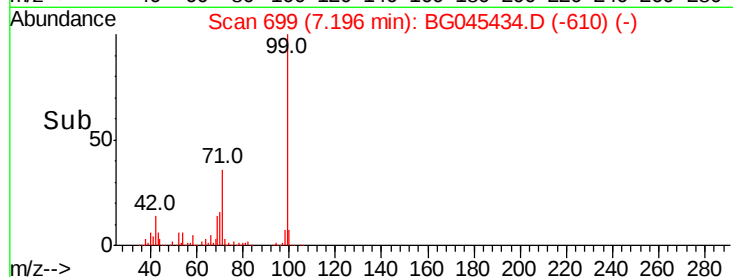
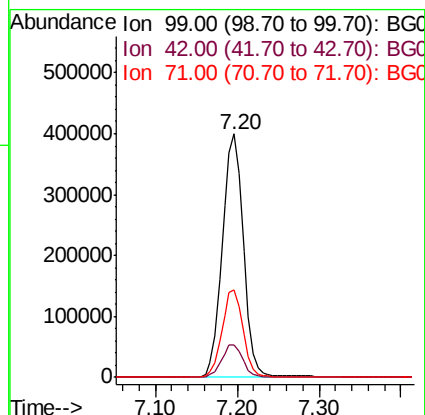
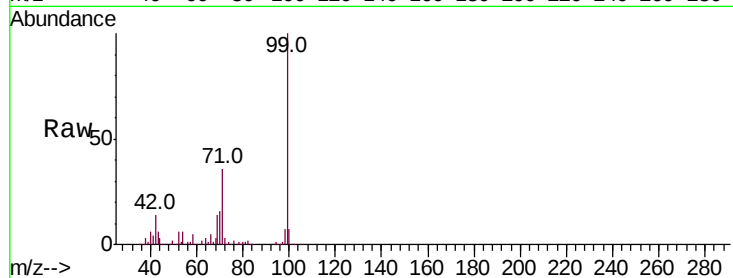
Tot Ion: 99 Resp: 720651

Ion Ratio Lower Upper

99 100

42 13.5 11.3 16.9

71 36.0 30.8 46.2



#8

2-Chlorophenol

Concen: 7.211 ng

RT: 7.55 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

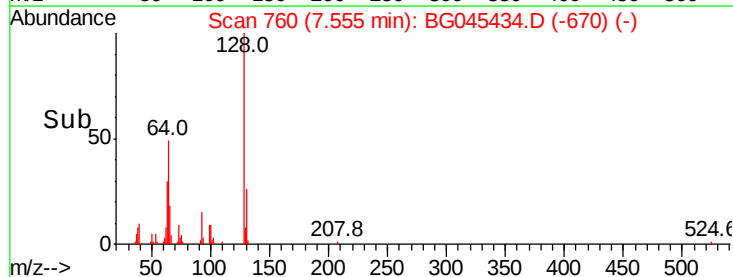
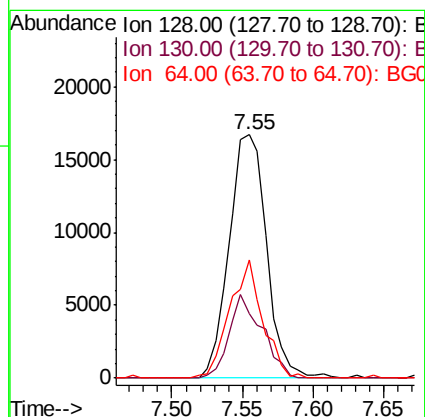
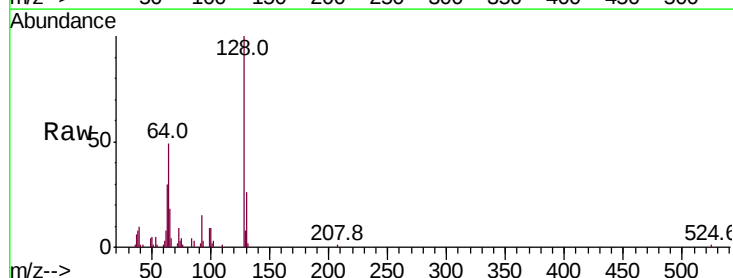
Tgt Ion: 128 Resp: 30839

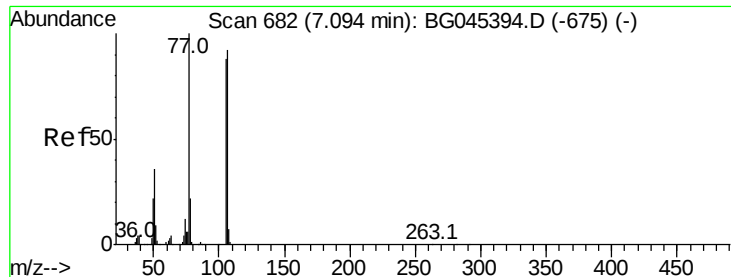
Ion Ratio Lower Upper

128 100

130 26.3 12.6 52.6

64 48.6 27.0 67.0





#9

Benzaldehyde

Concen: 7.785 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

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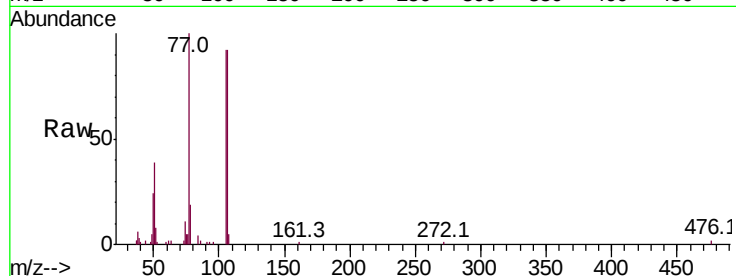
Tot Ion: 77 Resp: 28153

Ion Ratio Lower Upper

77 100

105 91.6 68.5 108.5

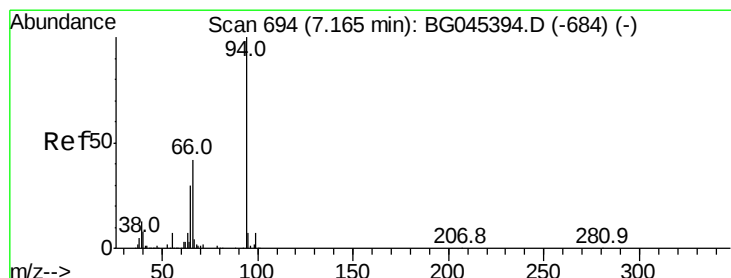
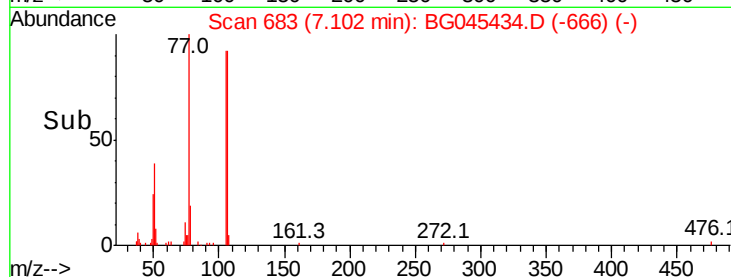
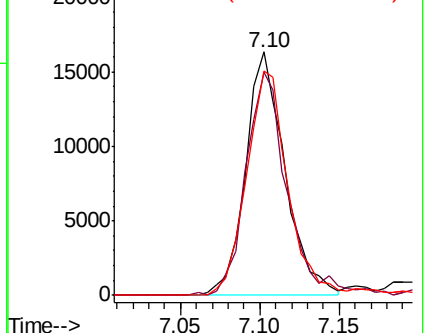
106 92.1 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 6.905 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

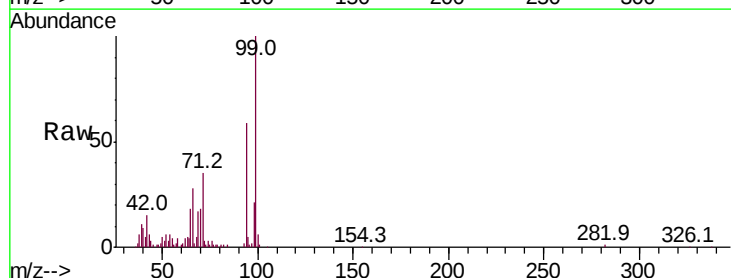
Tgt Ion: 94 Resp: 39500

Ion Ratio Lower Upper

94 100

65 30.8 9.8 49.8

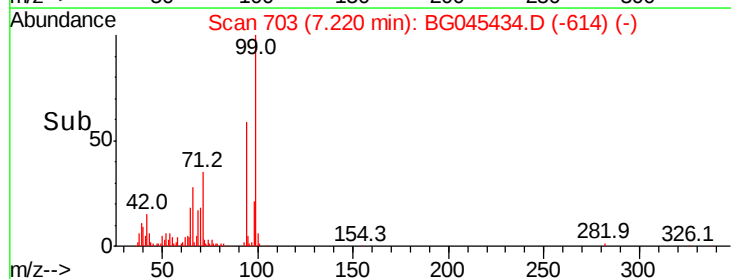
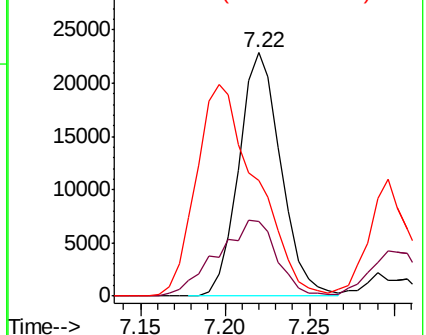
66 47.5 22.0 62.0

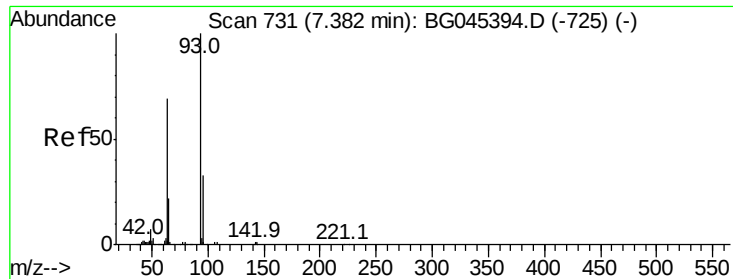


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 6.699 ng

RT: 7.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

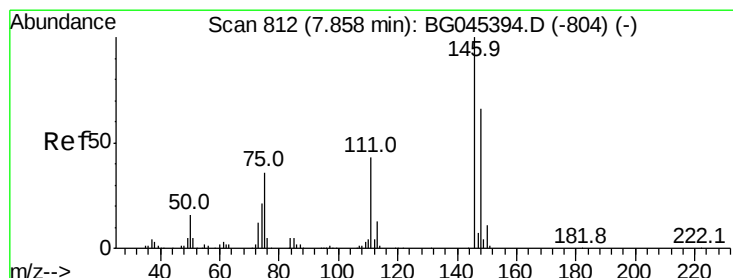
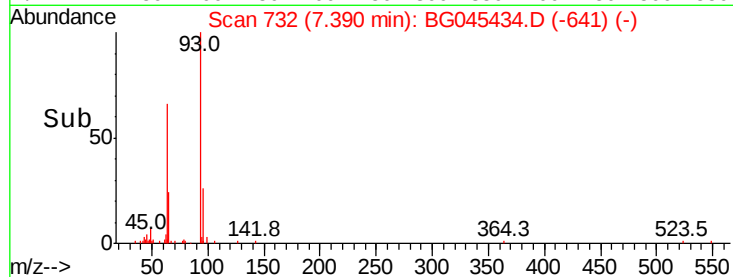
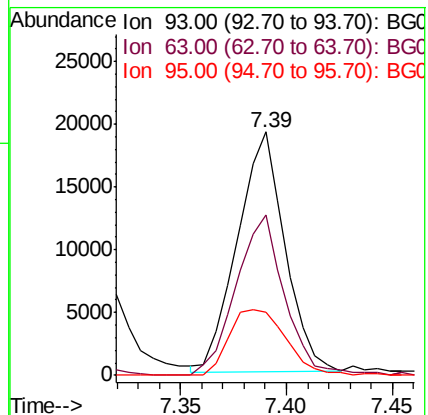
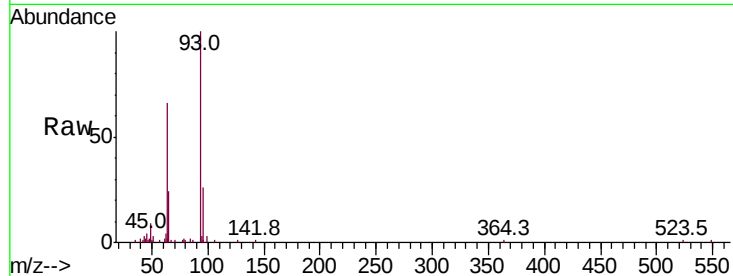
Tot Ion: 93 Resp: 29891

Ion Ratio Lower Upper

93 100

63 65.9 48.4 88.4

95 25.8 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 6.669 ng

RT: 7.86 min Scan# 812

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

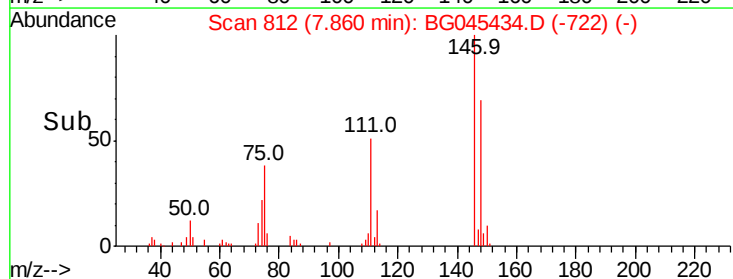
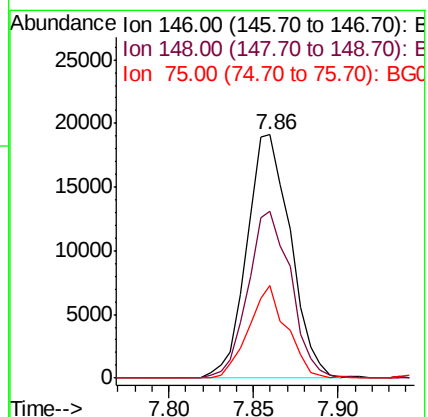
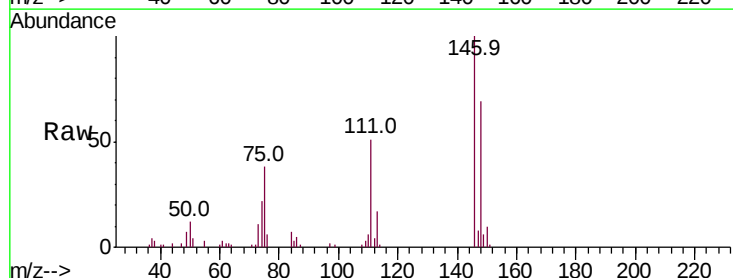
Tgt Ion: 146 Resp: 34275

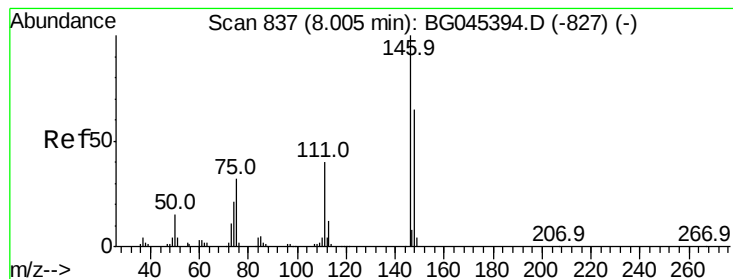
Ion Ratio Lower Upper

146 100

148 68.8 53.2 79.8

75 38.2 28.6 43.0





#13

1,4-Dichlorobenzene

Concen: 7.116 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

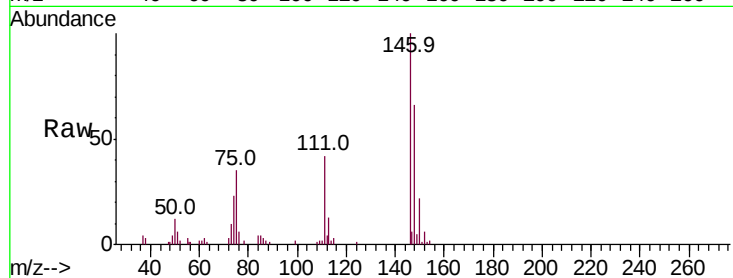
Tot Ion:146 Resp: 36092

Ion Ratio Lower Upper

146 100

148 66.2 51.8 77.8

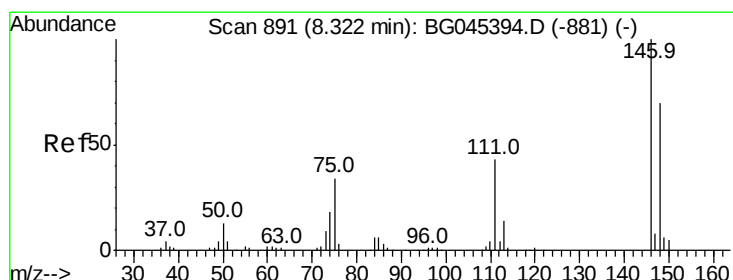
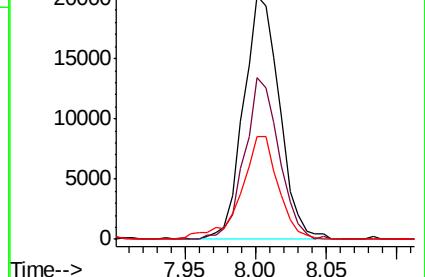
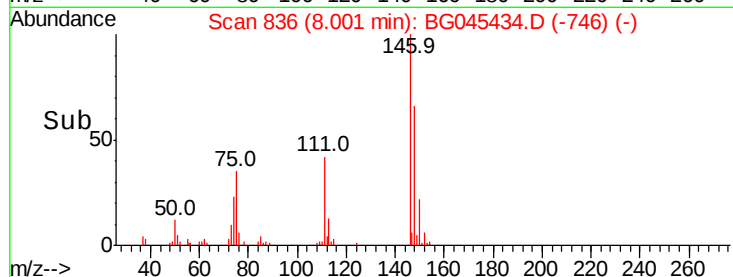
111 42.3 32.1 48.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.003 ng

RT: 8.32 min Scan# 891

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

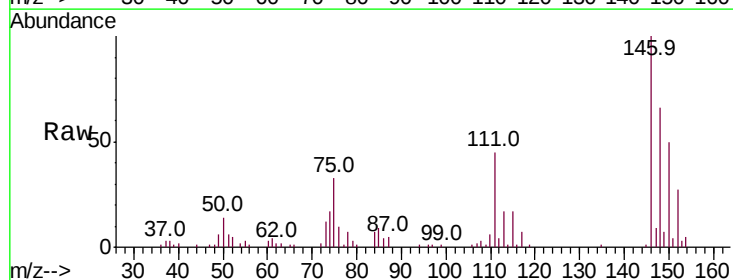
Tgt Ion:146 Resp: 34163

Ion Ratio Lower Upper

146 100

148 65.8 55.9 83.9

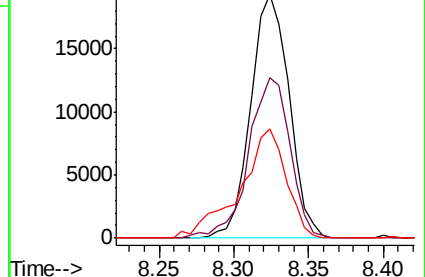
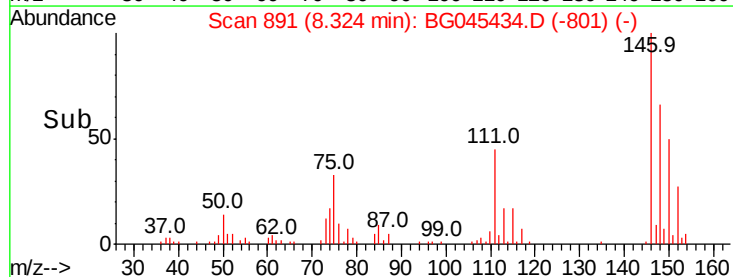
111 45.0 35.0 52.4

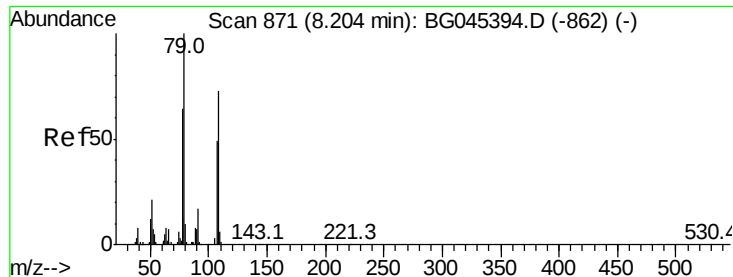


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.279 ng

RT: 8.22 min Scan# 874

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

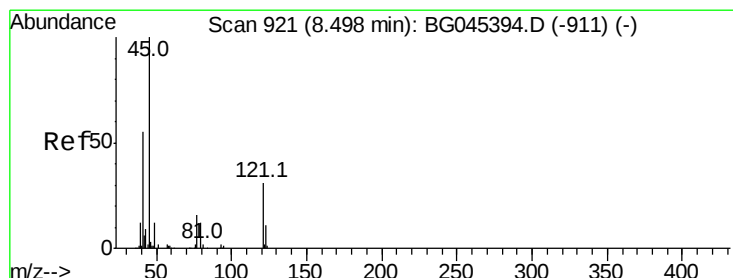
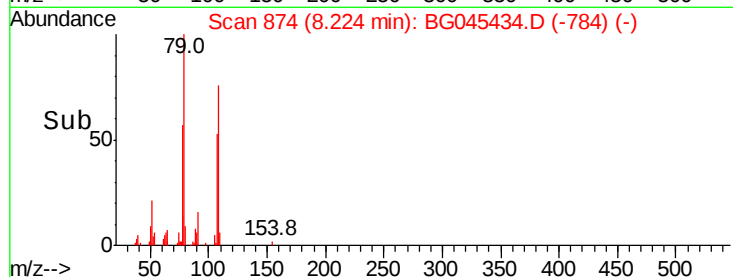
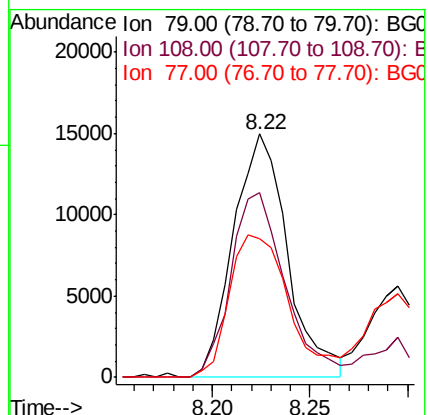
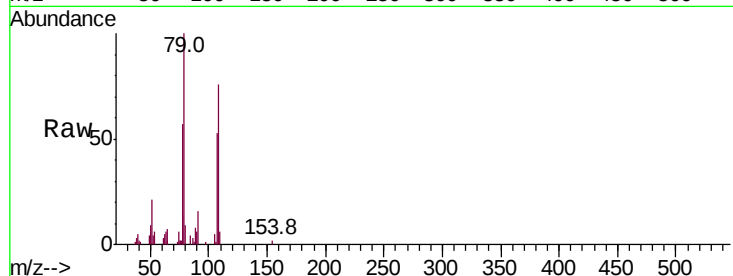
Tot Ion: 79 Resp: 28789

Ion Ratio Lower Upper

79 100

108 75.7 58.2 87.4

77 57.1 51.0 76.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.842 ng

RT: 8.49 min Scan# 920

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

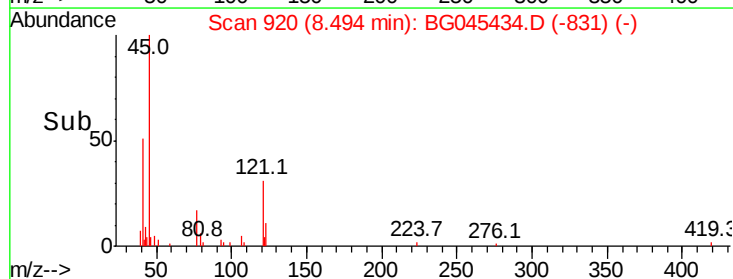
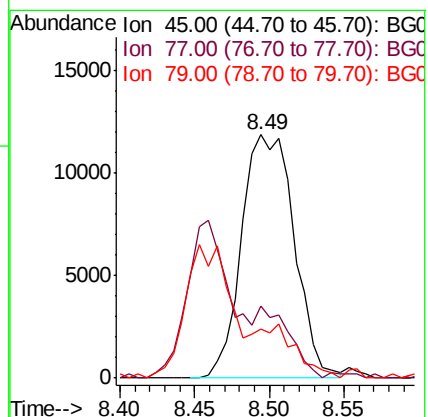
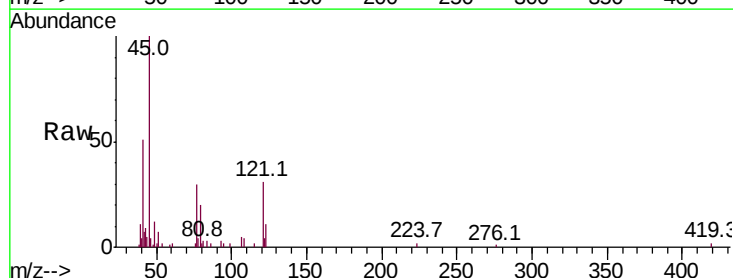
Tgt Ion: 45 Resp: 28980

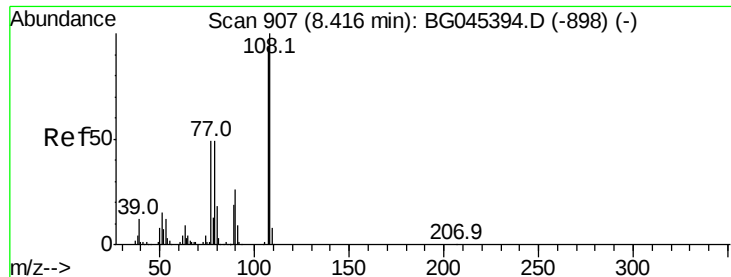
Ion Ratio Lower Upper

45 100

77 29.6 4.0 44.0

79 19.9 0.0 38.6





#17

2-Methylphenol

Concen: 6.513 ng

RT: 8.46 min Scan# 914

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:107 Resp: 27889

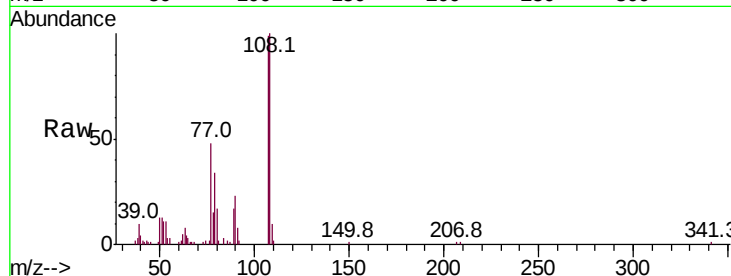
Ion Ratio Lower Upper

107 100

108 100.7 85.2 127.8

77 48.2 41.6 62.4

79 33.9 41.8 62.8#



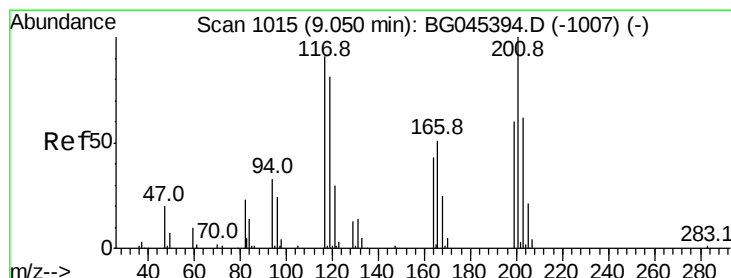
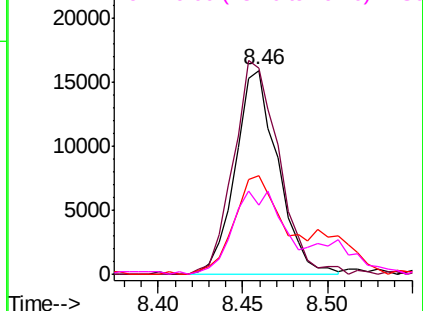
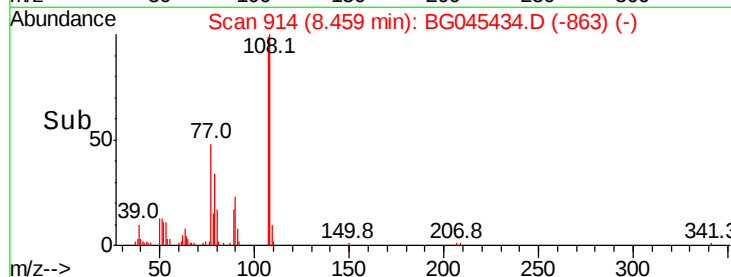
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18

Hexachloroethane

Concen: 6.525 ng

RT: 9.05 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

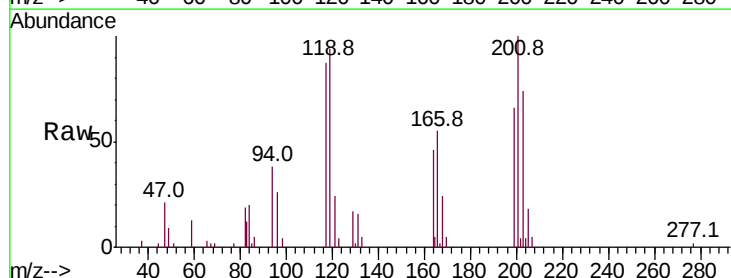
Tgt Ion:117 Resp: 12674

Ion Ratio Lower Upper

117 100

119 107.9 71.3 106.9#

201 114.8 87.5 131.3

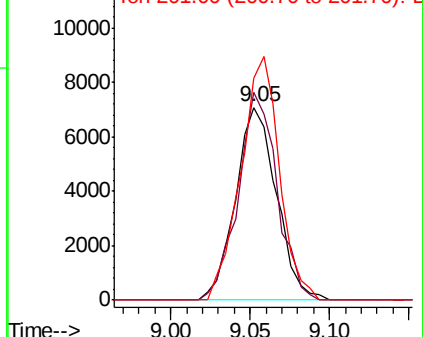
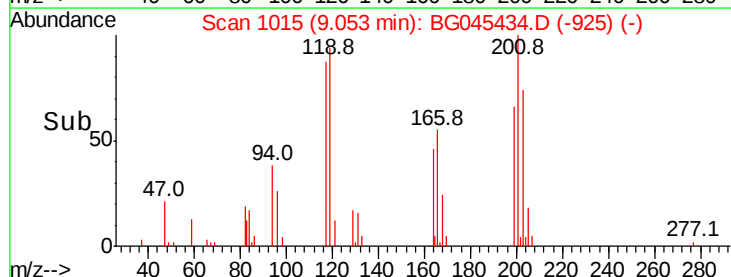


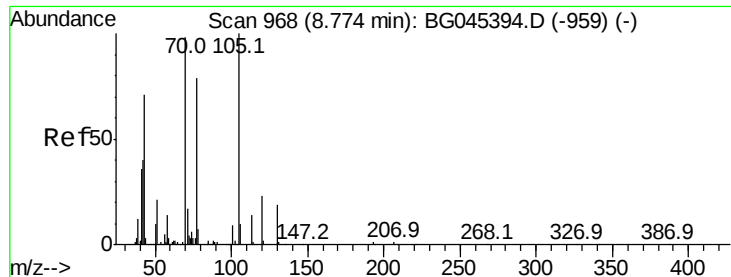
Abundance

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

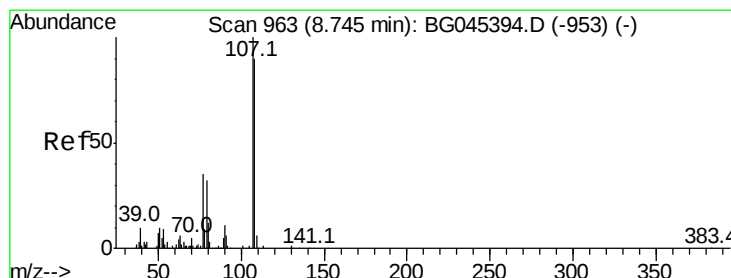
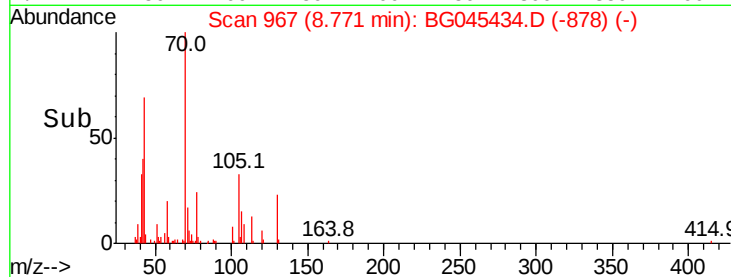
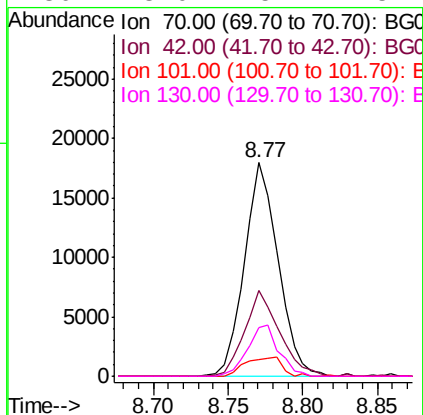
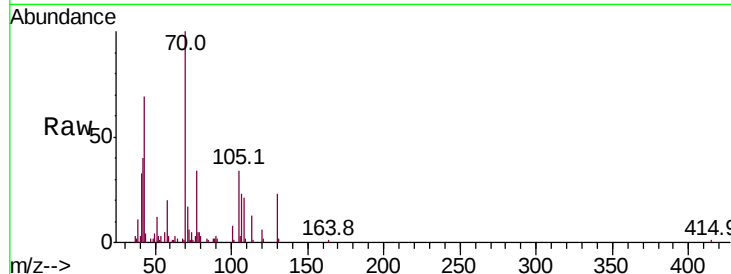




#19
n-Nitroso-di-n-propylamine
Concen: 7.315 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

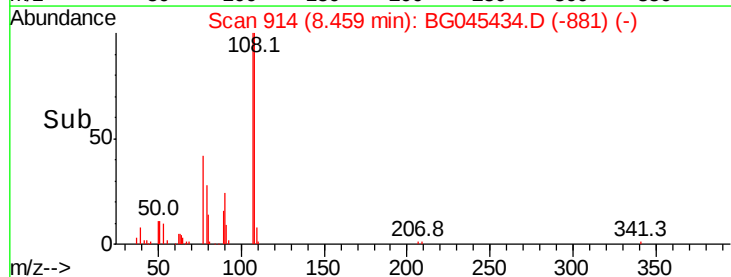
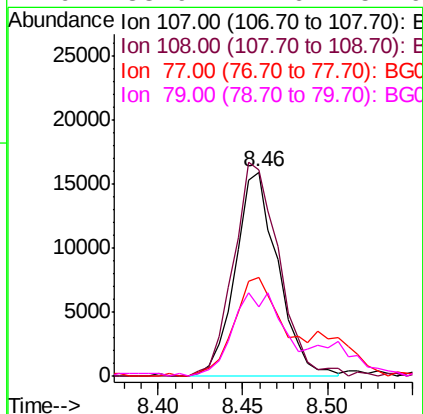
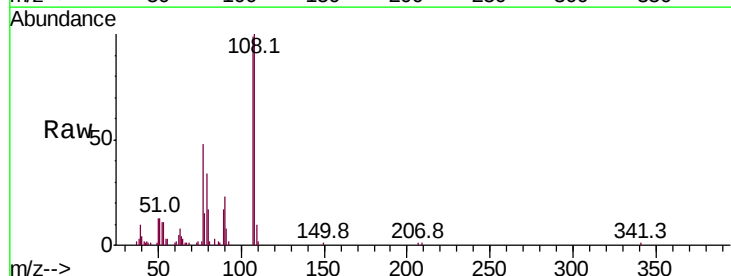
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

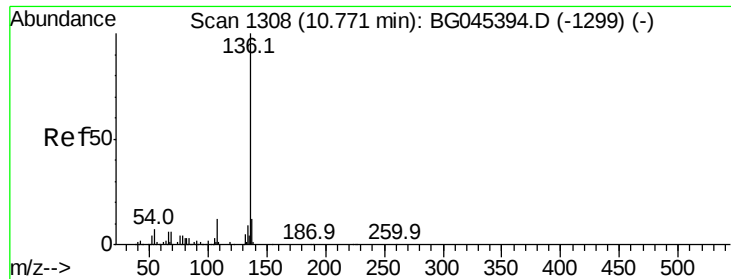
Tot Ion:	70	Resp:	28076
Ion	Ratio	Lower	Upper
70	100		
42	40.1	33.2	49.8
101	7.9	7.8	11.6
130	23.0	15.4	23.2



#20
3+4-Methylphenols
Concen: 4.783 ng
RT: 8.46 min Scan# 914
Delta R.T. -0.34 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:	107	Resp:	27889
Ion	Ratio	Lower	Upper
107	100		
108	100.7	70.3	110.3
77	48.2	15.4	55.4
79	33.9	12.6	52.6

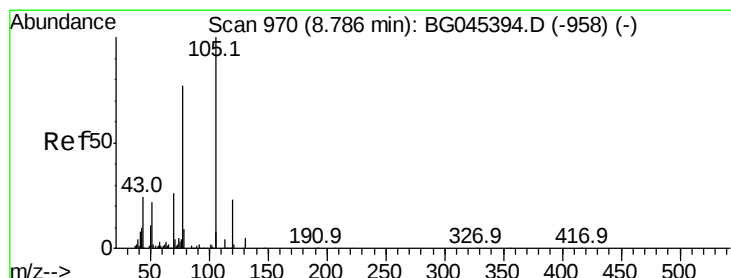
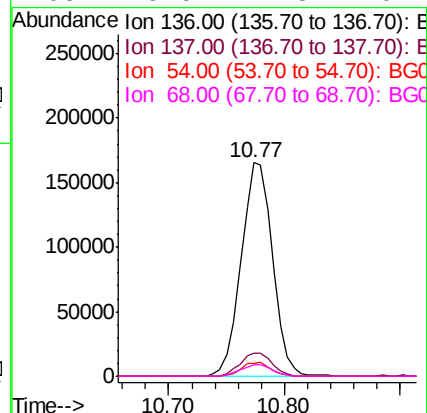
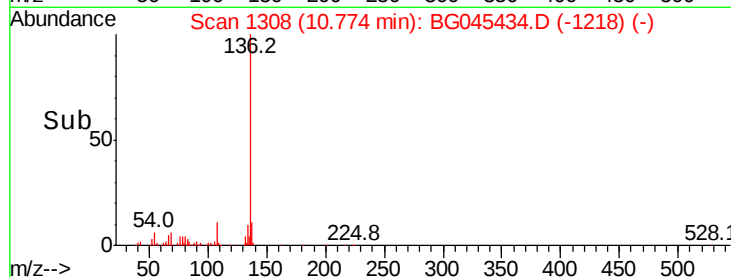
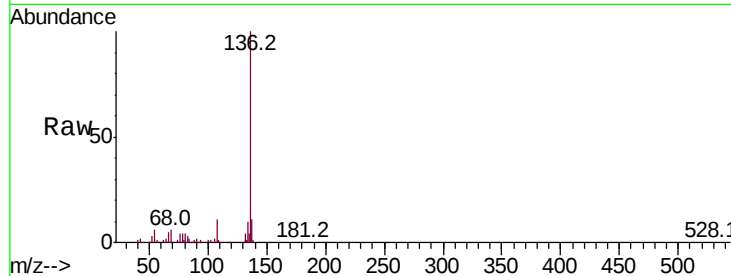




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

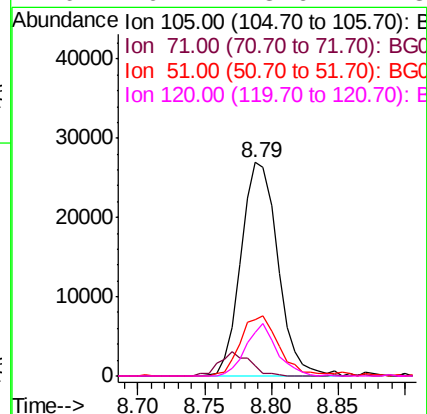
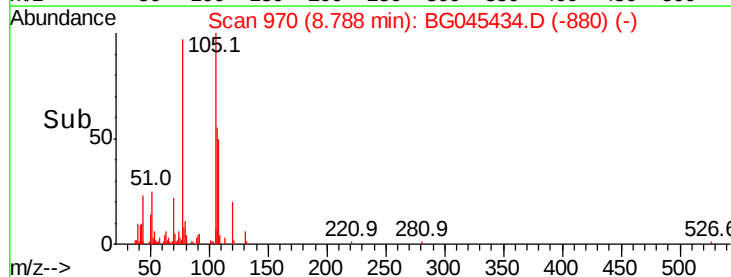
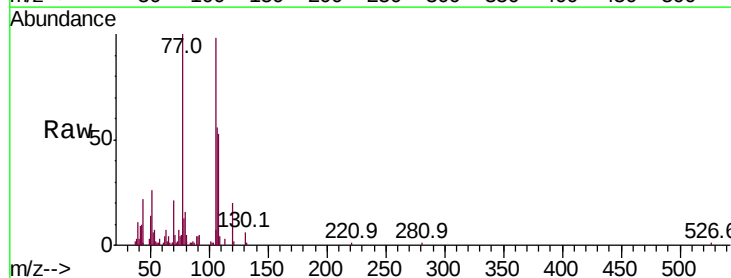
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

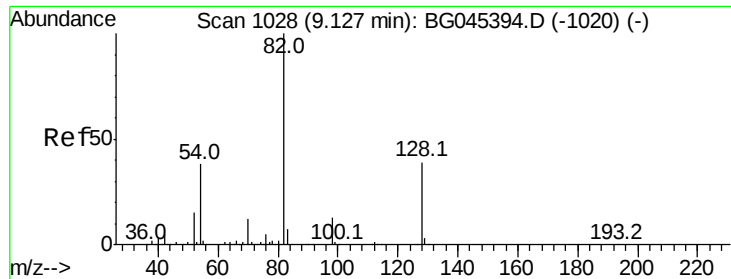
Tot Ion:136	Resp:	311824	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.4	14.2	
54 6.2	5.8	8.6	
68 5.5	4.5	6.7	



#22
Acetophenone
Concen: 6.982 ng
RT: 8.79 min Scan# 970
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt	Ion:105	Resp:	51600
Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.4	5.0
51	26.4	18.2	27.2
120	20.1	18.6	27.8

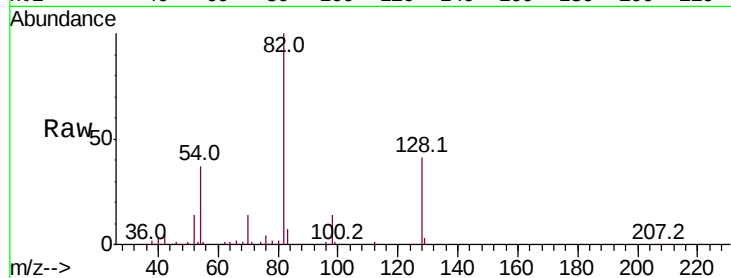




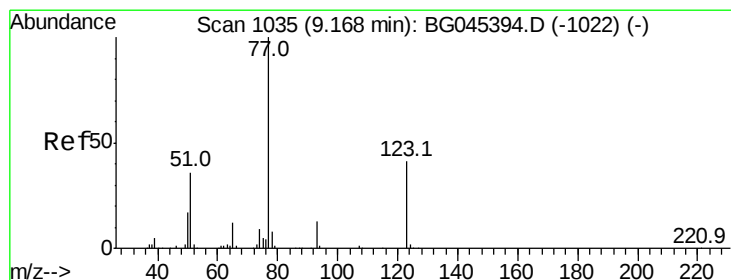
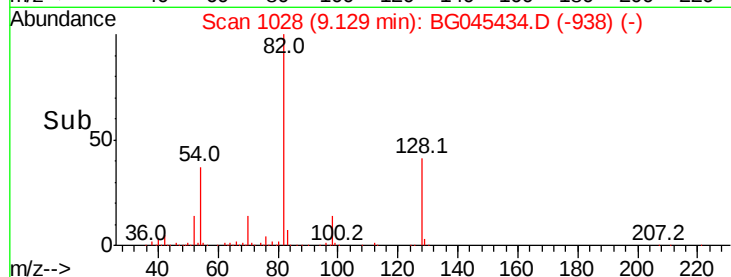
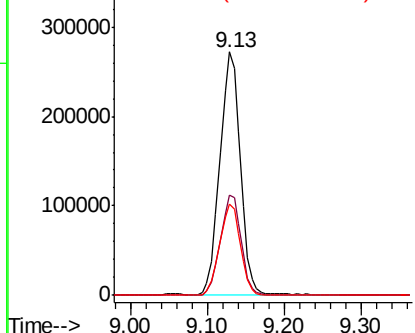
#23
Nitrobenzene-d5
Concen: 87.855 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	30.9	46.3
54	37.3	30.3	45.5

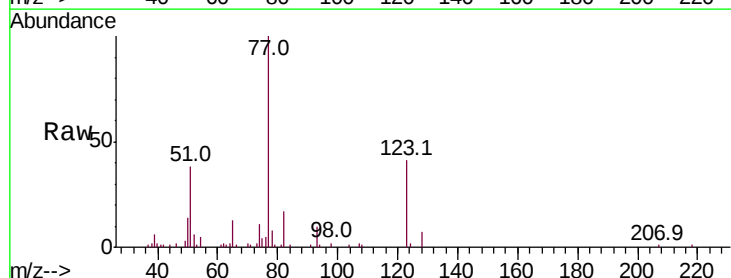


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

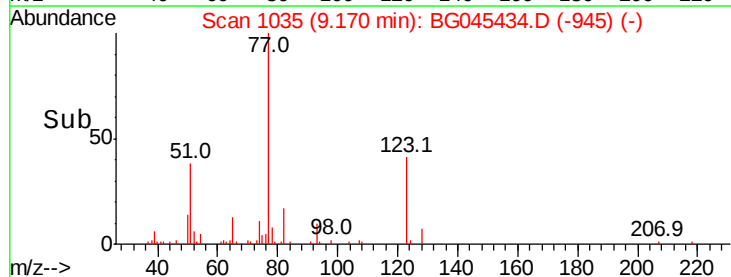
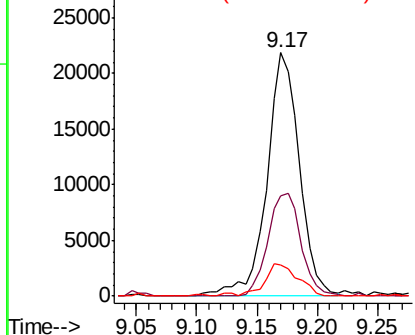


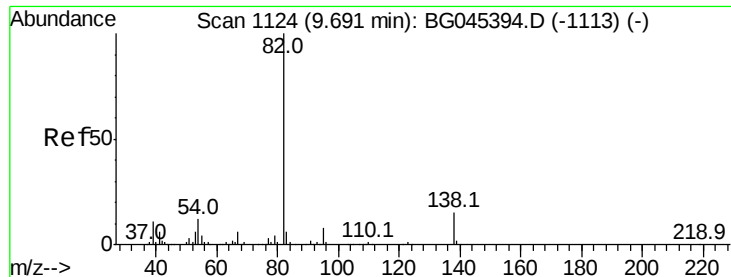
#24
Nitrobenzene
Concen: 6.657 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	41.1	32.9	49.3
65	12.5	9.4	14.2



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 7.037 ng

RT: 9.69 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

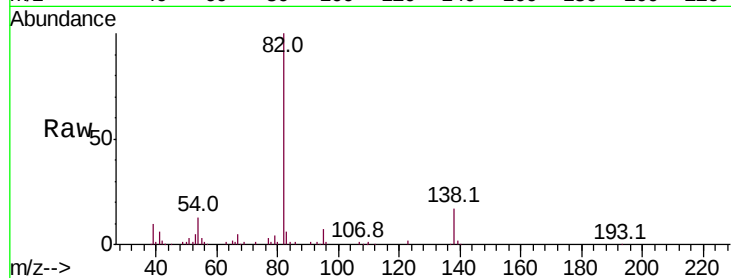
Tot Ion: 82 Resp: 79248

Ion Ratio Lower Upper

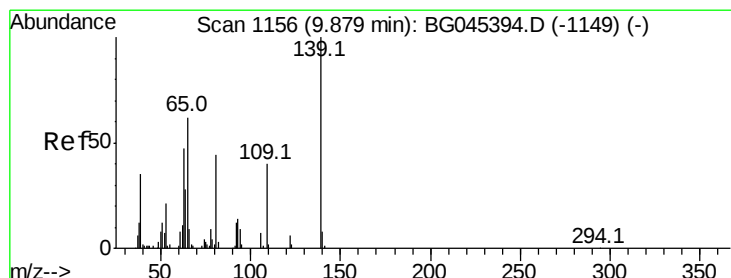
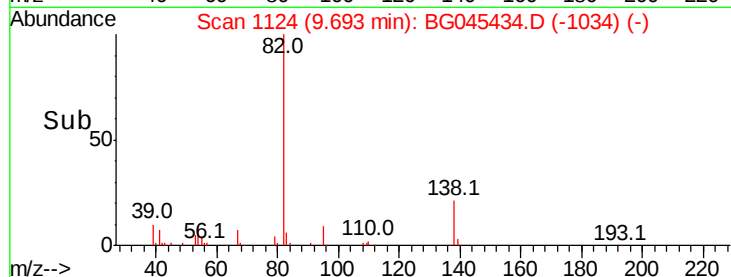
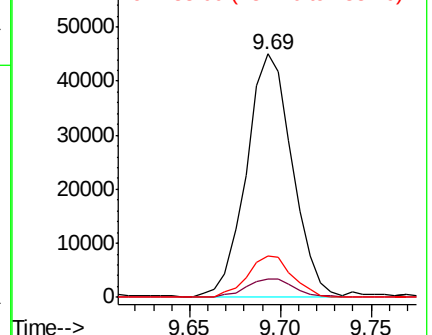
82 100

95 7.3 6.7 10.1

138 17.2 12.2 18.4



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: 6.913 ng

RT: 9.89 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

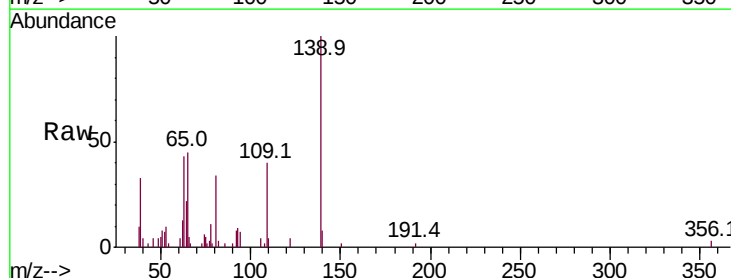
Tgt Ion: 139 Resp: 18118

Ion Ratio Lower Upper

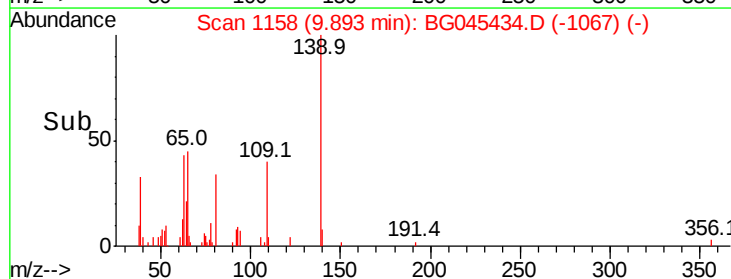
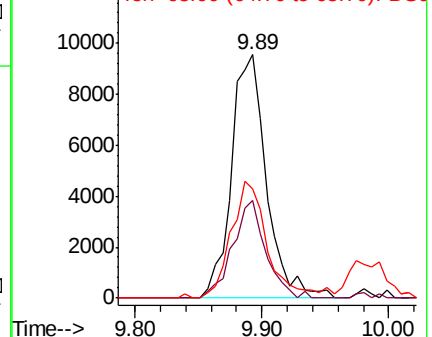
139 100

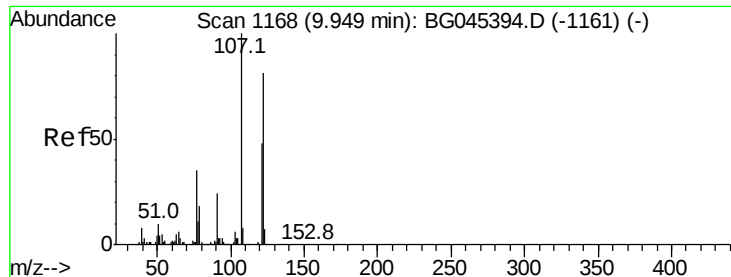
109 40.0 32.2 48.4

65 44.7 49.6 74.4#



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: 7.825 ng

RT: 9.98 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

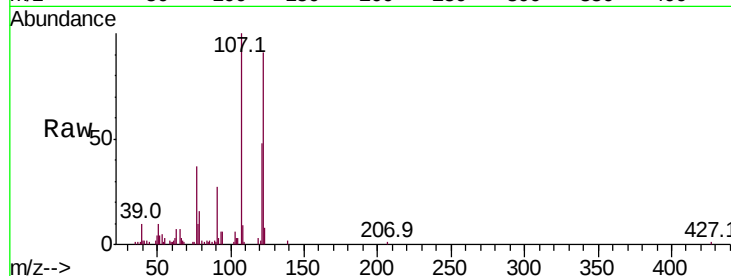
Tot Ion:122 Resp: 30417

Ion Ratio Lower Upper

122 100

107 109.6 99.0 148.4

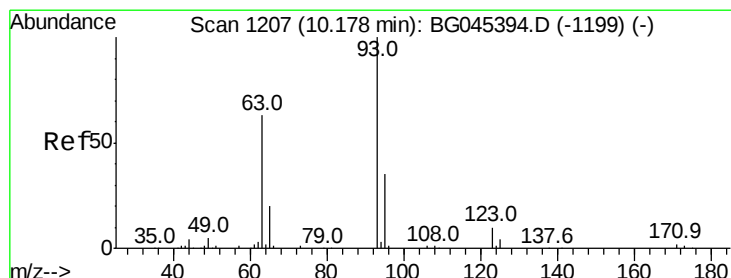
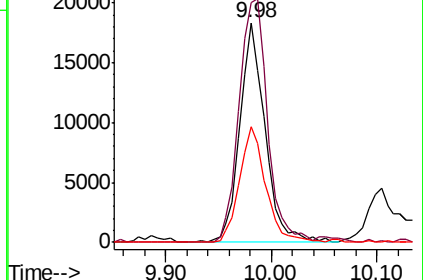
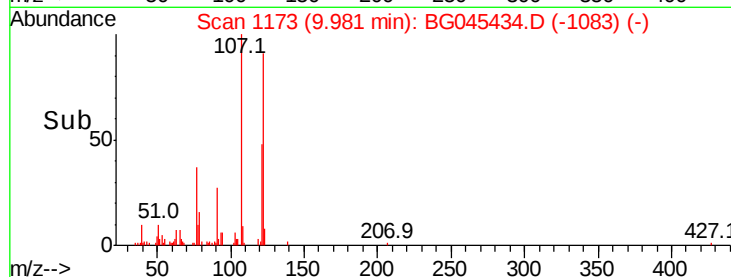
121 52.6 47.7 71.5



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: 7.505 ng

RT: 10.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

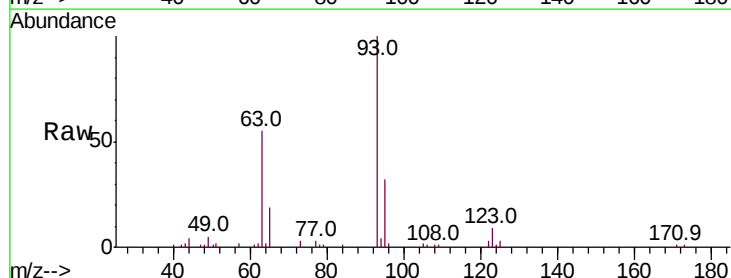
Tgt Ion: 93 Resp: 44325

Ion Ratio Lower Upper

93 100

95 32.4 27.6 41.4

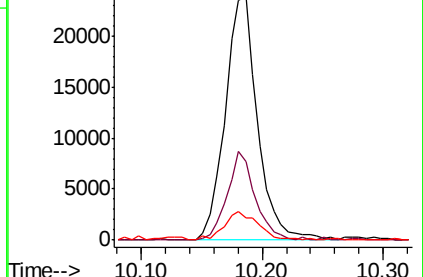
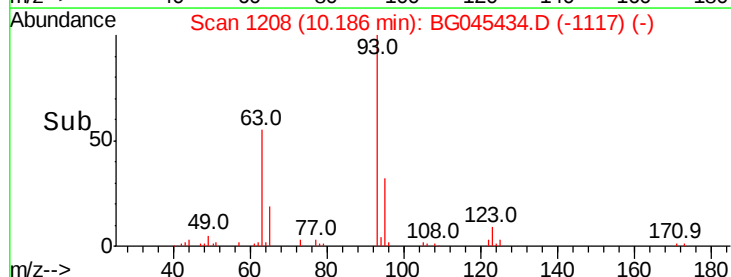
123 9.1 8.1 12.1

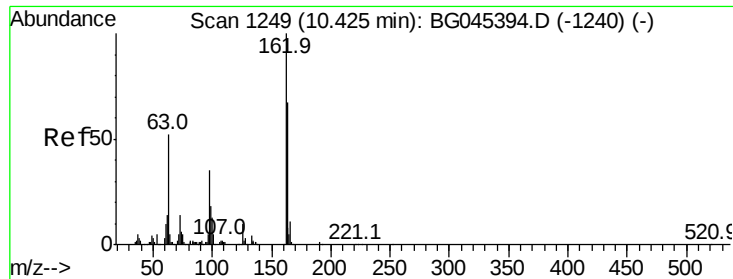


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 6.838 ng

RT: 10.46 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

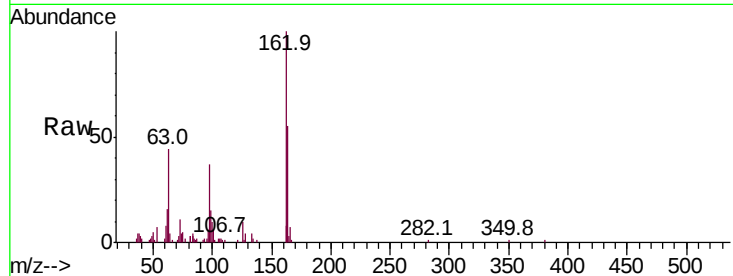
Tot Ion:162 Resp: 31387

Ion Ratio Lower Upper

162 100

164 55.4 46.8 86.8

98 37.5 15.2 55.2

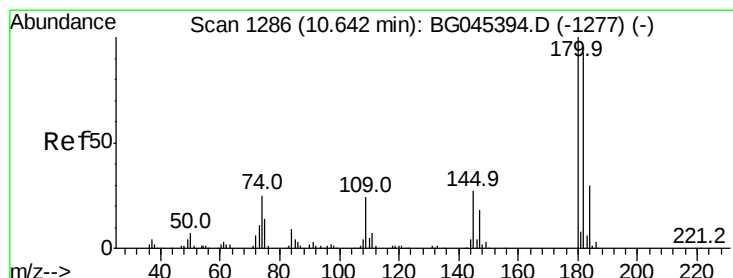
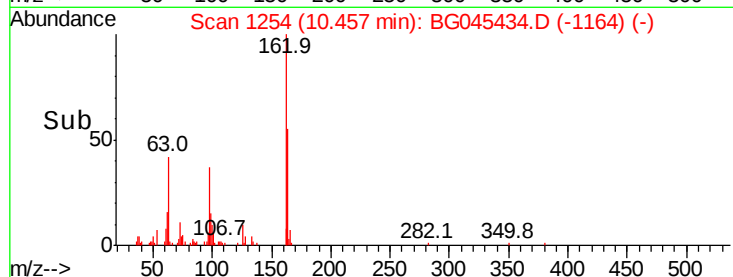
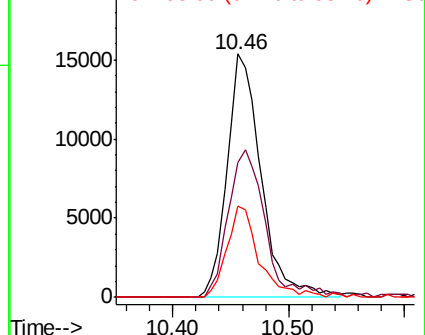


Abundance

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): BGC



#30

1,2,4-Trichlorobenzene

Concen: 6.785 ng

RT: 10.64 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

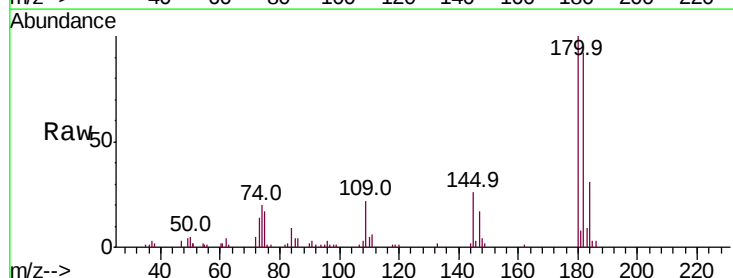
Tgt Ion:180 Resp: 36800

Ion Ratio Lower Upper

180 100

182 91.9 74.8 112.2

145 25.8 21.9 32.9

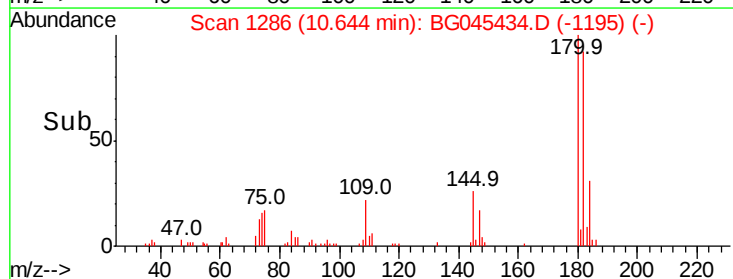
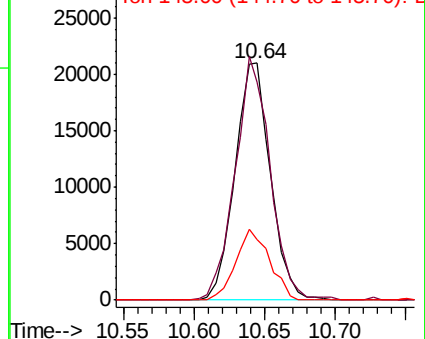


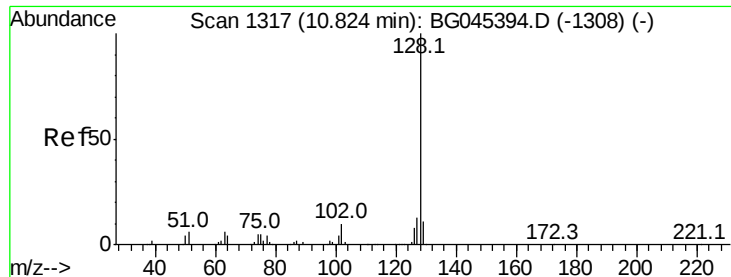
Abundance

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

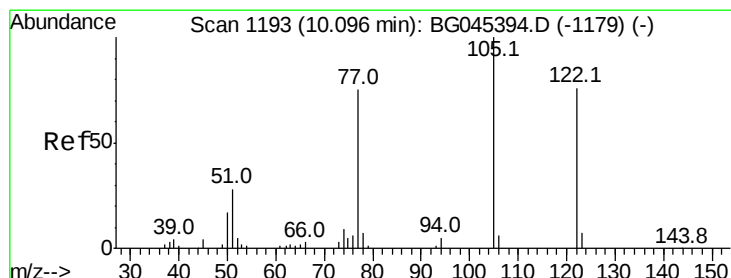
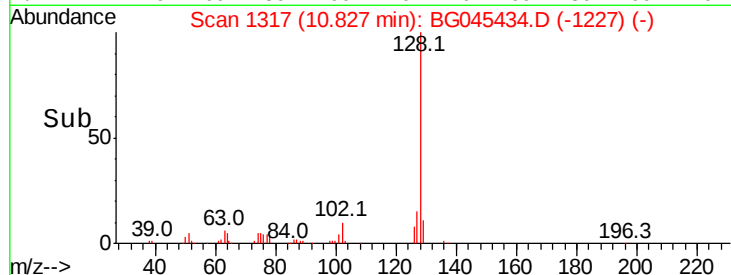
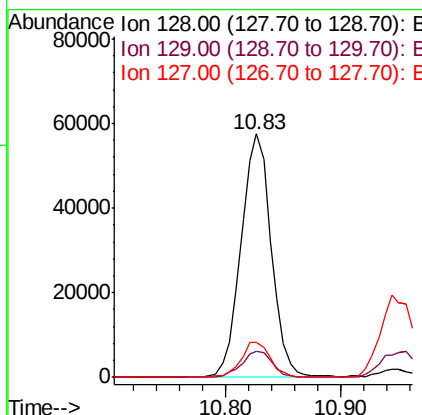
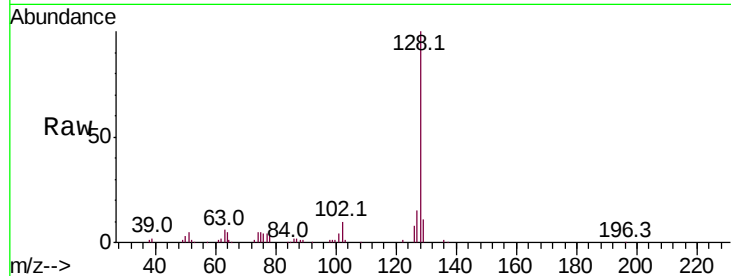




#31
Naphthalene
Concen: 7.204 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

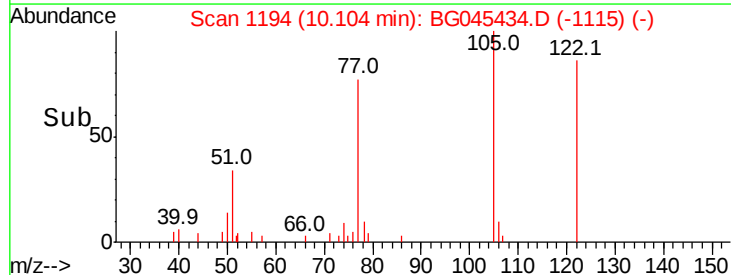
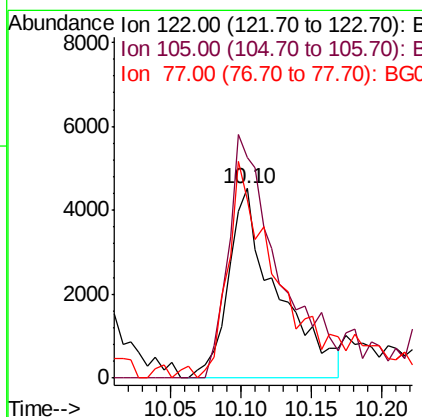
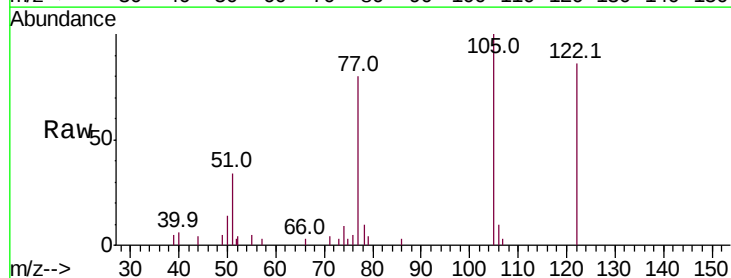
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

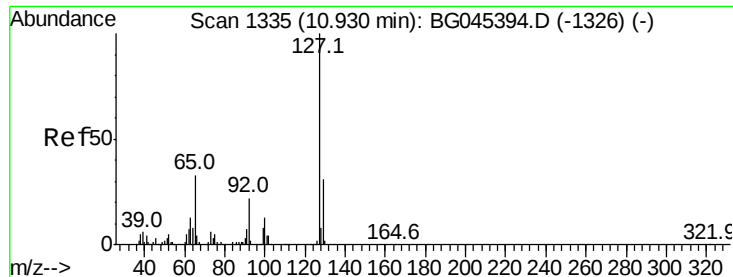
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	14.6	10.7	16.1



#32
Benzoic acid
Concen: 13.287 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.07 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.6	107.9	147.9
77	93.8	78.9	118.9

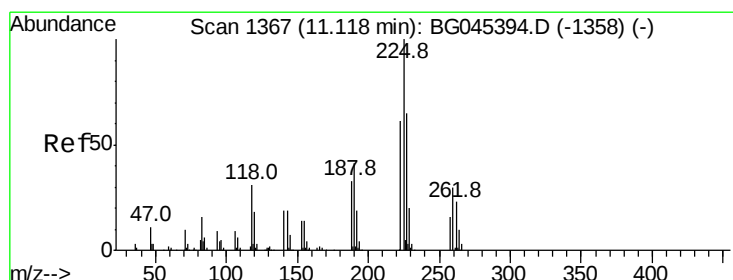
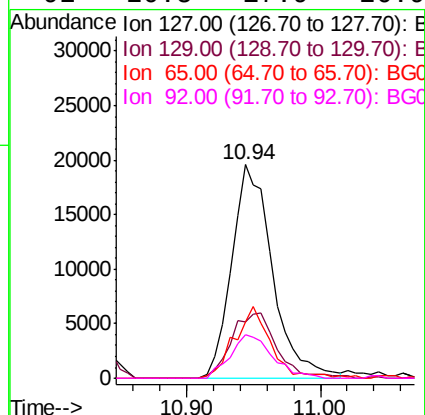
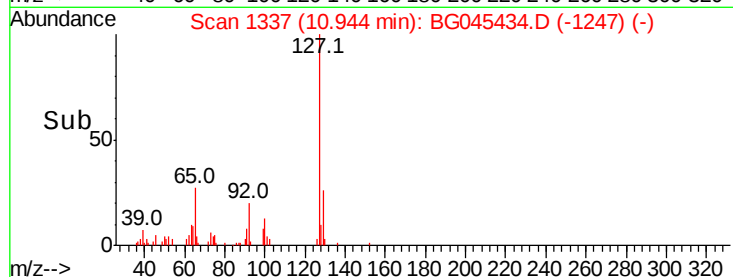
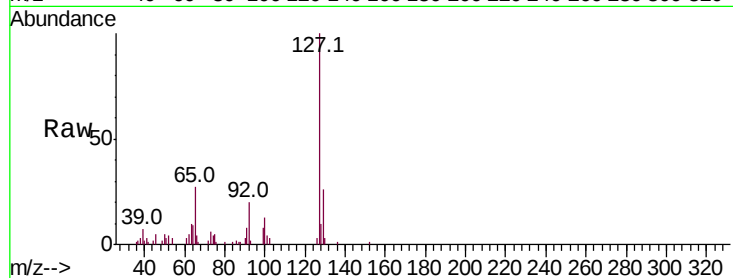




#33
4-Chloroaniline
Concen: 6.823 ng
RT: 10.94 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

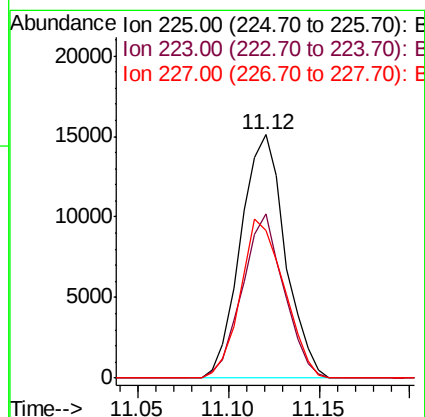
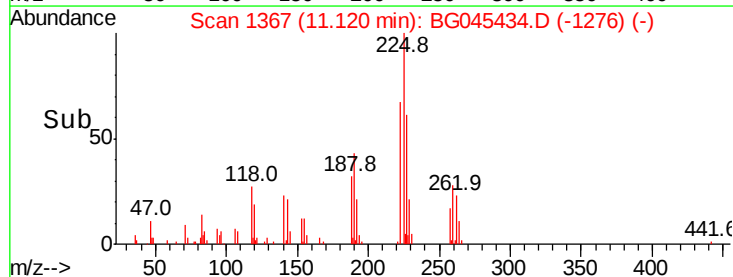
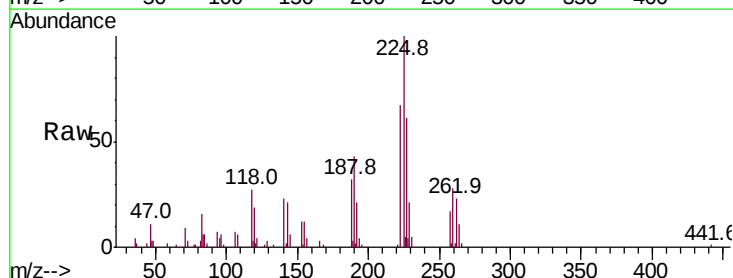
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

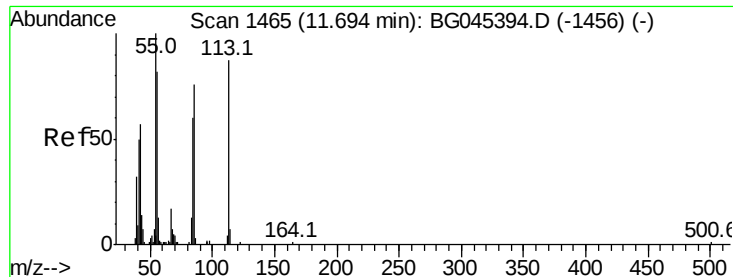
Tot Ion:127	Resp:	41441
Ion	Ratio	Lower Upper
127	100	
129	26.4	24.7 37.1
65	26.6	26.2 39.2
92	20.5	17.9 26.9



#34
Hexachlorobutadiene
Concen: 6.714 ng
RT: 11.12 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:225	Resp:	25740
Ion	Ratio	Lower Upper
225	100	
223	67.5	49.1 73.7
227	60.7	52.0 78.0





#35

Caprolactam

Concen: 7.530 ng

RT: 11.68 min Scan# 1462

Delta R.T. -0.03 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

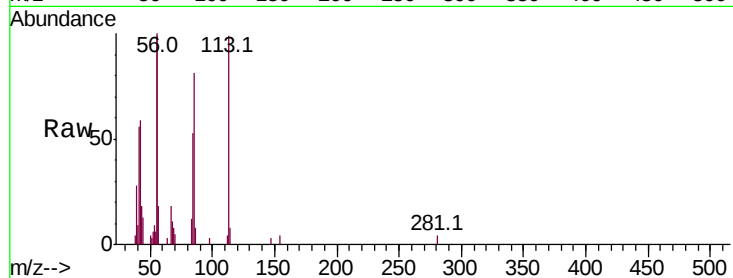
Tot Ion:113 Resp: 12686

Ion Ratio Lower Upper

113 100

55 99.6 96.0 136.0

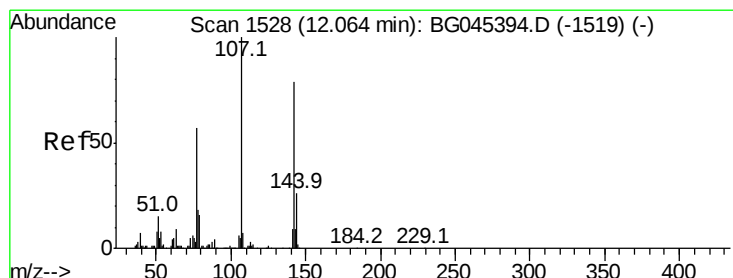
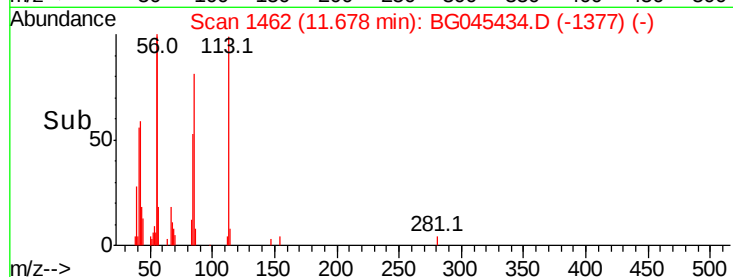
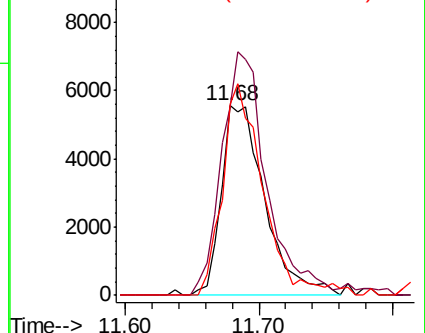
56 100.8 75.1 115.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 7.263 ng

RT: 12.11 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

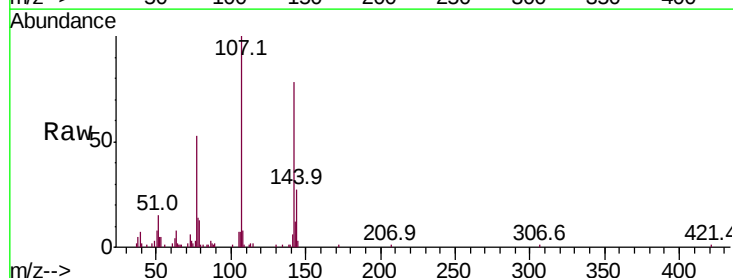
Tgt Ion:107 Resp: 37568

Ion Ratio Lower Upper

107 100

144 26.9 20.8 31.2

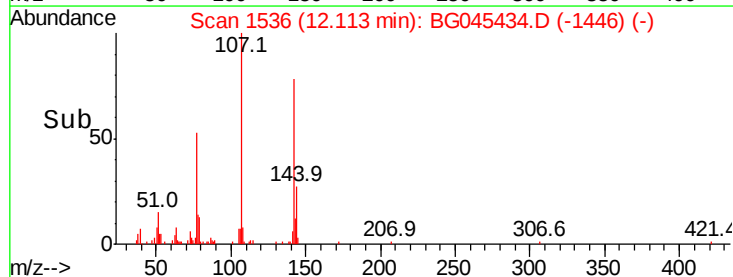
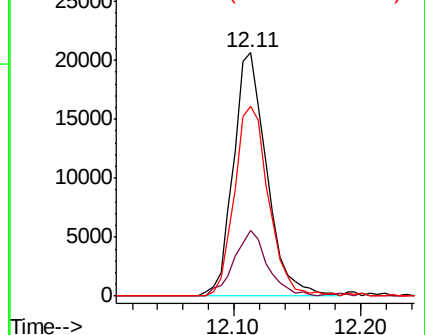
142 78.0 62.8 94.2

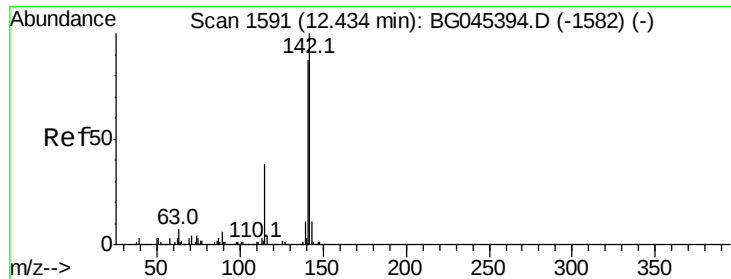


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

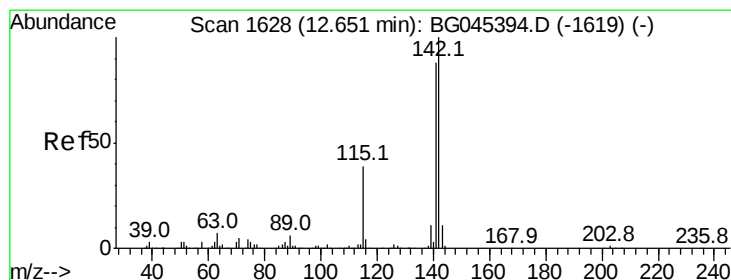
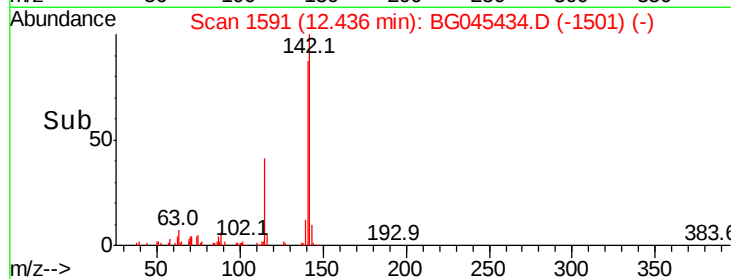
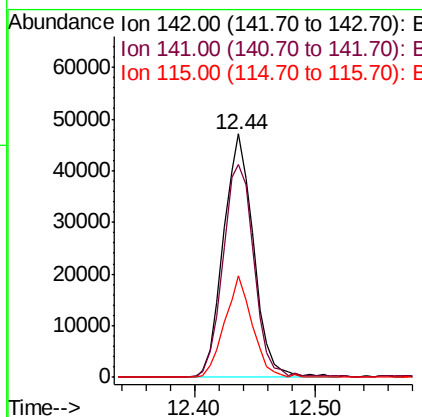
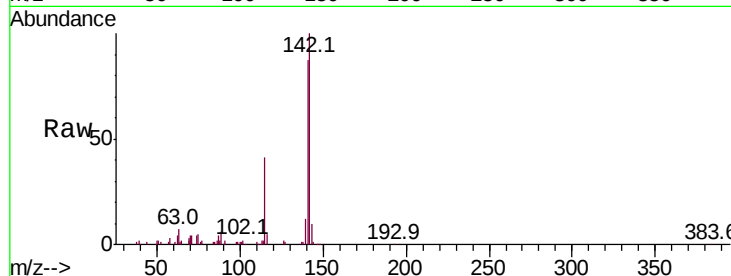




#37
 2-Methylnaphthalene
 Concen: 7.524 ng
 RT: 12.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

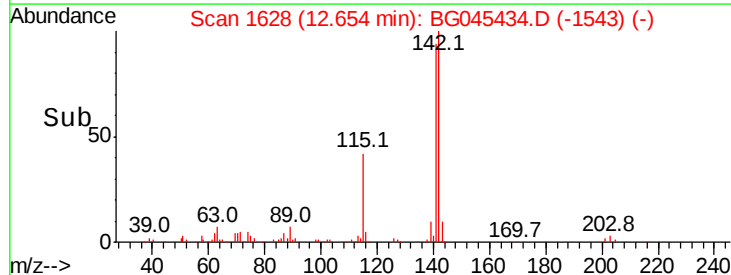
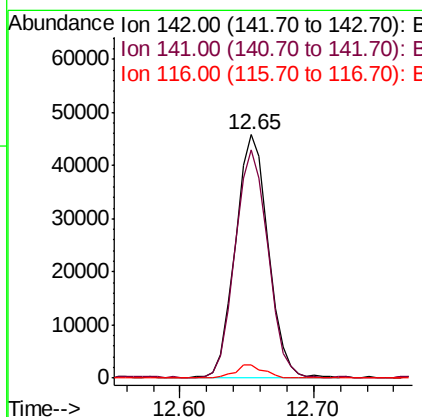
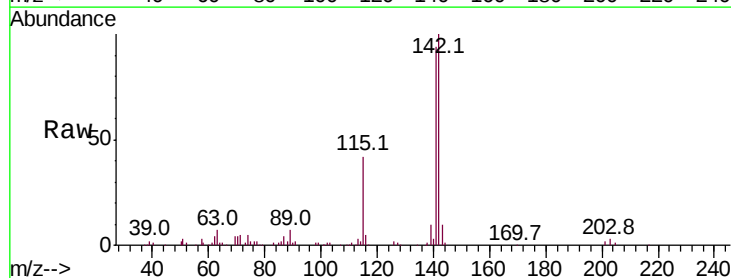
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

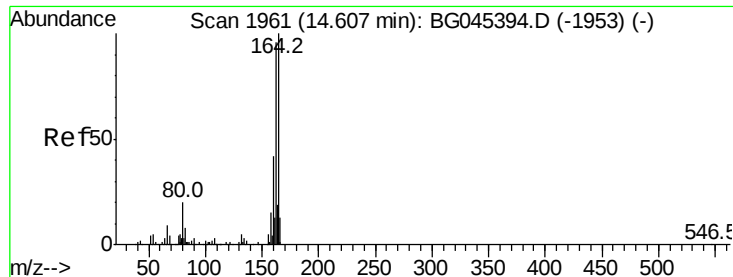
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.0	105.0
115	41.5	30.8	46.2



#38
 1-Methylnaphthalene
 Concen: 7.657 ng
 RT: 12.65 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	70.8	106.2
116	5.2	3.0	4.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.61 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

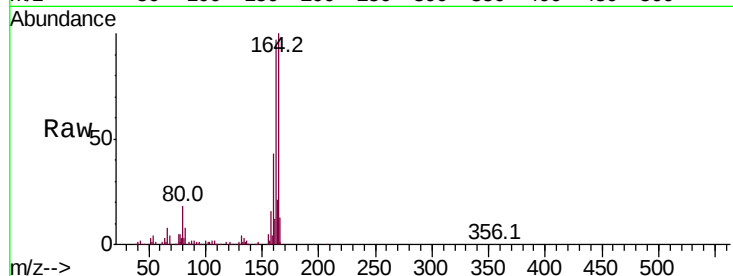
Tot Ion:164 Resp: 232171

Ion Ratio Lower Upper

164 100

162 97.0 76.9 115.3

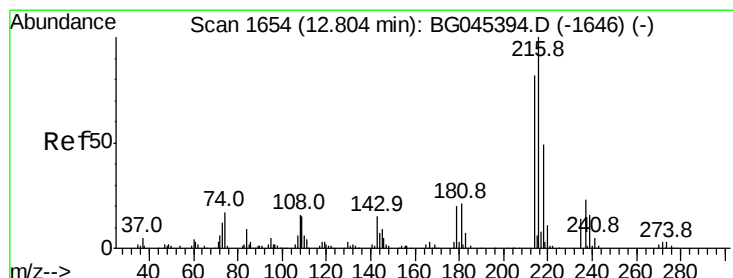
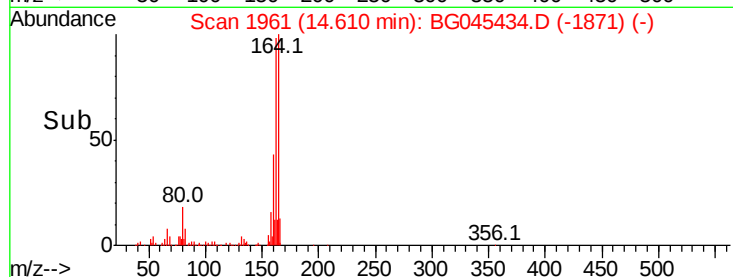
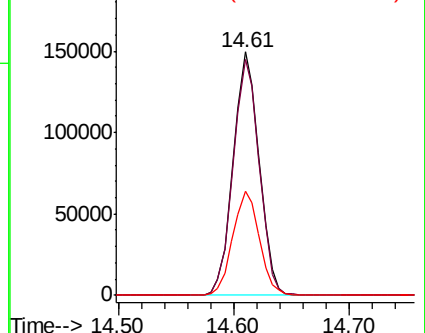
160 42.8 33.8 50.8



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: 7.122 ng

RT: 12.81 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Tgt Ion:216 Resp: 46187

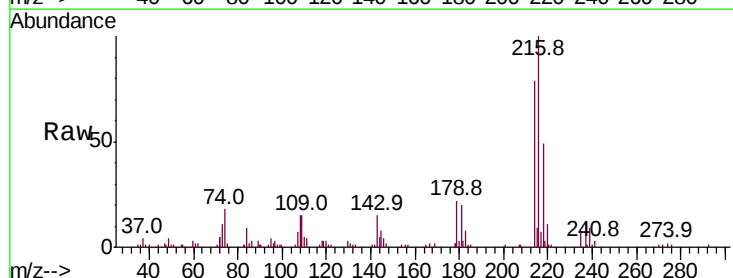
Ion Ratio Lower Upper

216 100

214 78.5 63.7 95.5

179 20.6 16.1 24.1

108 16.1 13.8 20.6

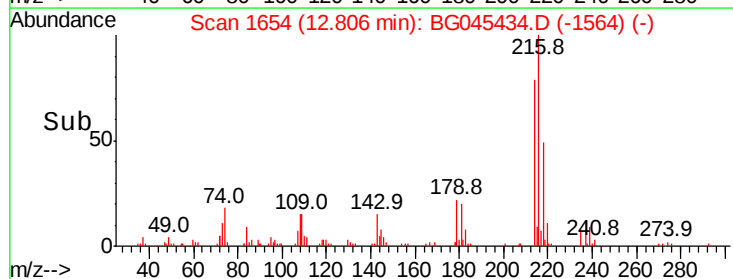
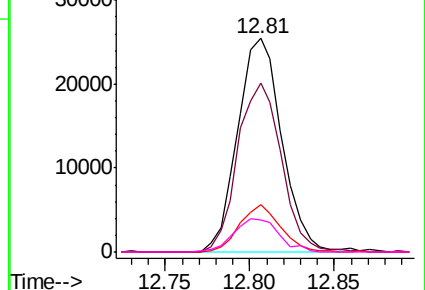


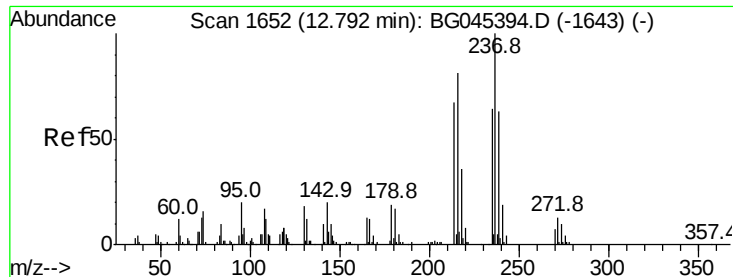
Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.394 ng

RT: 12.79 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

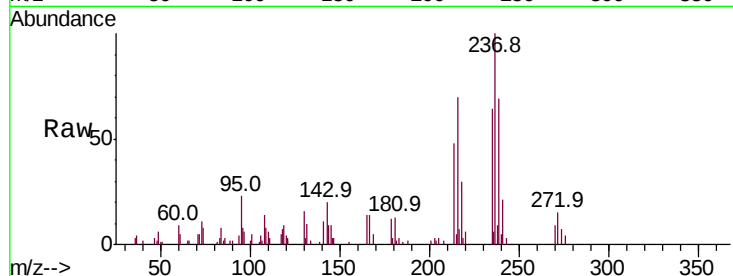
Tot Ion:237 Resp: 20188

Ion Ratio Lower Upper

237 100

235 63.7 44.4 84.4

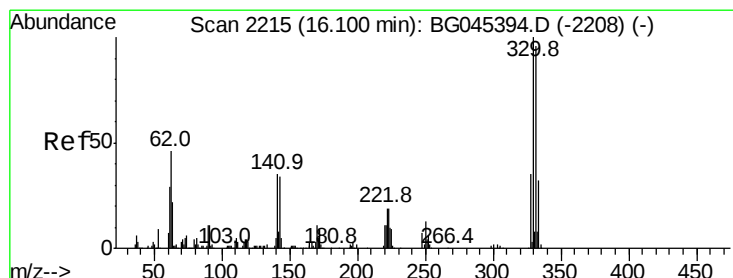
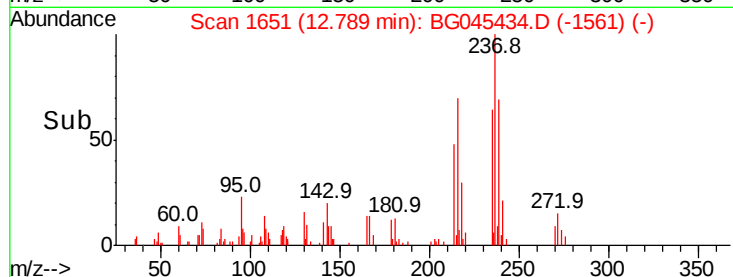
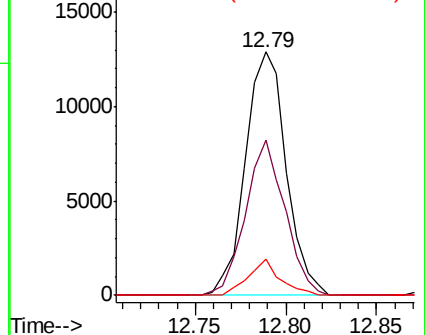
272 14.7 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 145.338 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

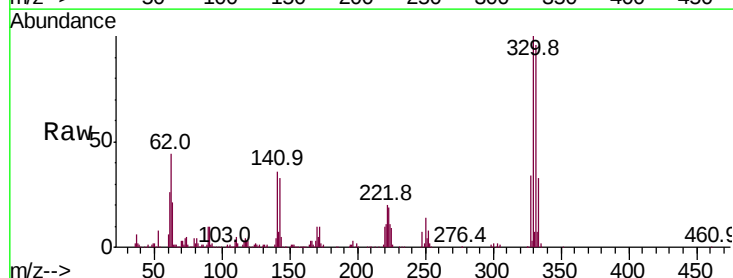
Tgt Ion:330 Resp: 431539

Ion Ratio Lower Upper

330 100

332 97.0 78.2 117.4

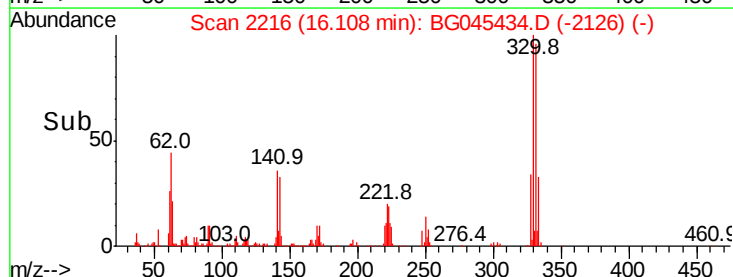
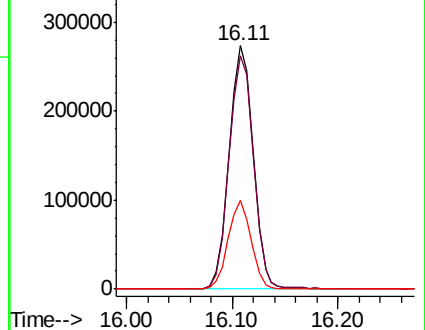
141 34.6 28.2 42.4

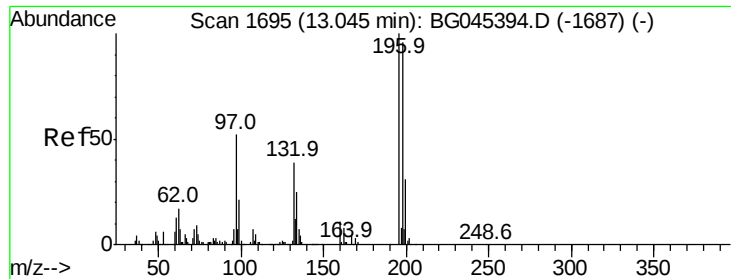


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

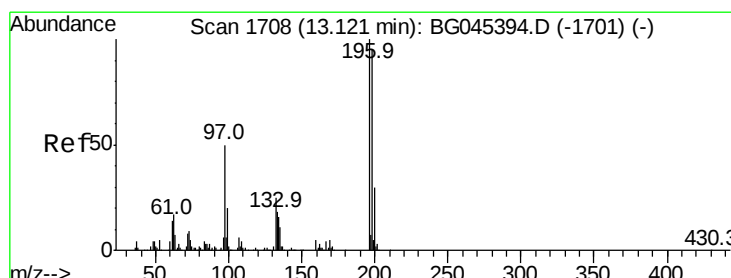
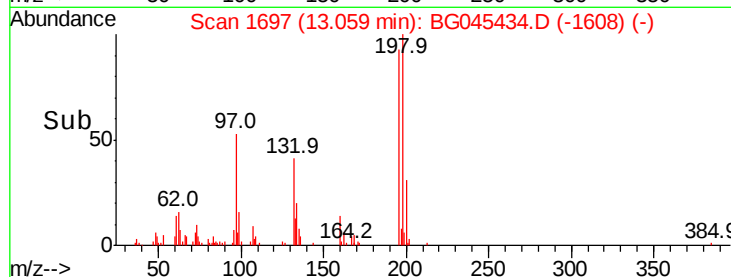
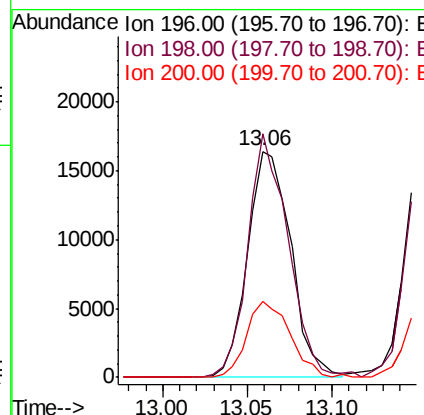
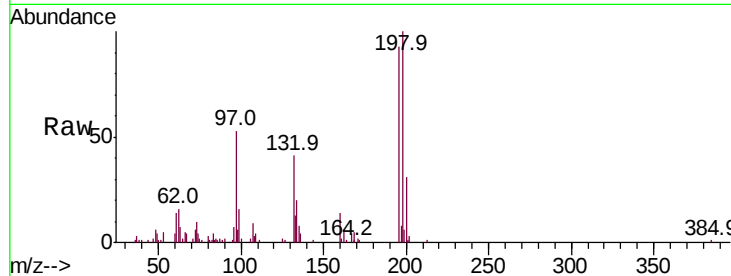




#43
 2,4,6-Trichlorophenol
 Concen: 6.471 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

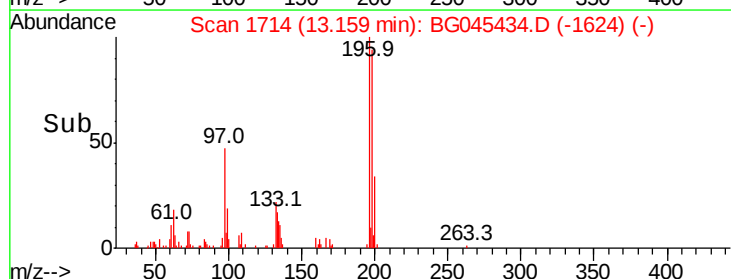
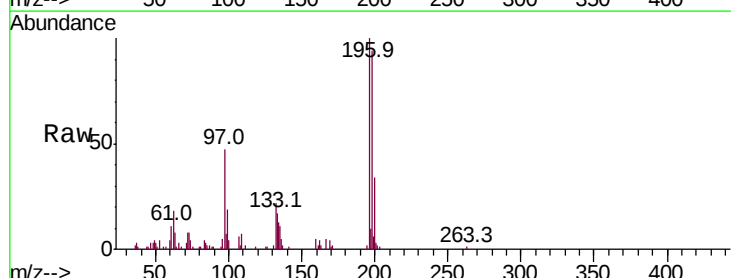
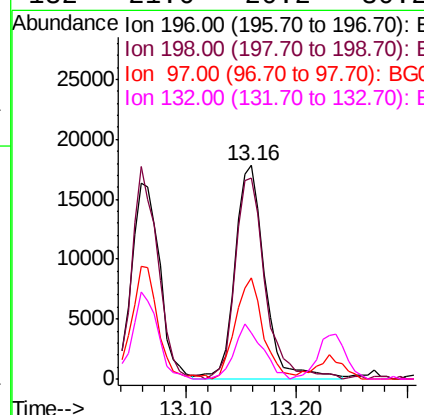
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

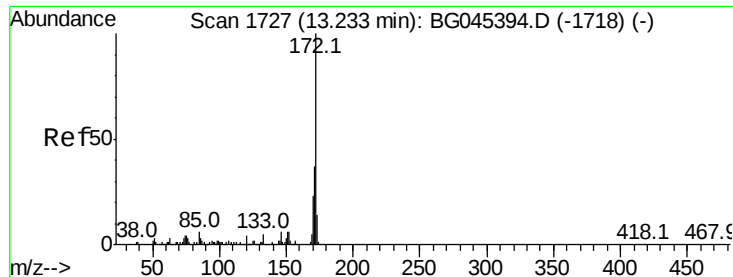
Tot Ion:196 Resp: 29151
 Ion Ratio Lower Upper
 196 100
 198 107.9 76.7 115.1
 200 33.8 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 6.569 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

Tgt Ion:196 Resp: 33816
 Ion Ratio Lower Upper
 196 100
 198 94.3 76.1 114.1
 97 47.3 40.0 60.0
 132 21.6 20.2 30.2

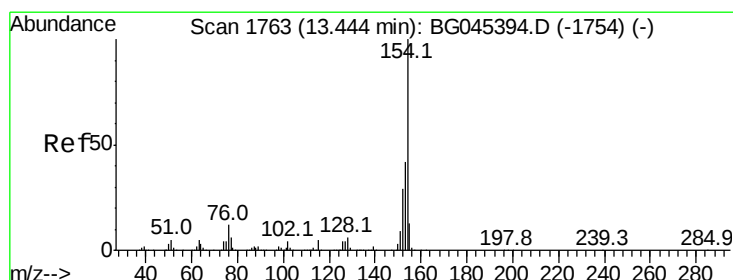
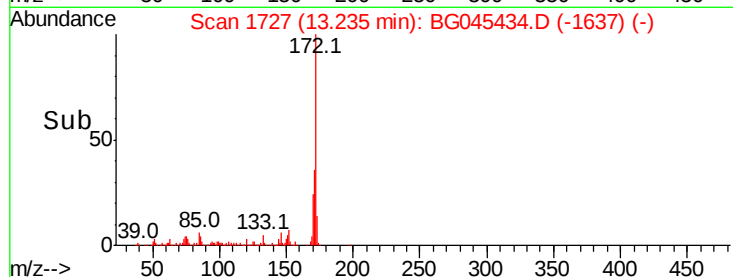
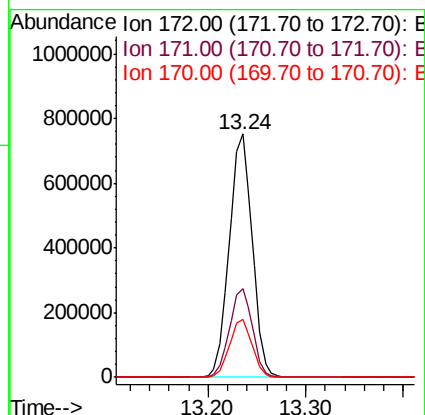
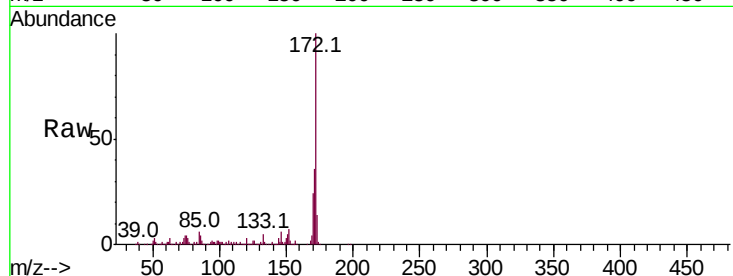




#45
2-Fluorobiphenyl
Concen: 89.710 ng
RT: 13.24 min Scan# 1727
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

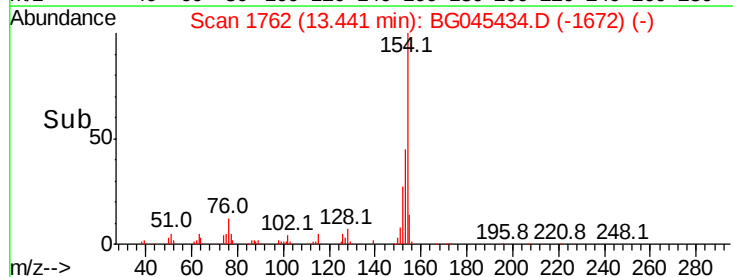
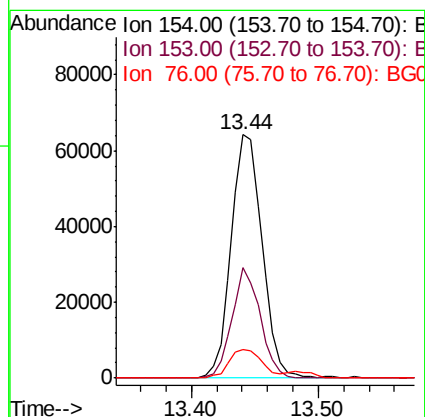
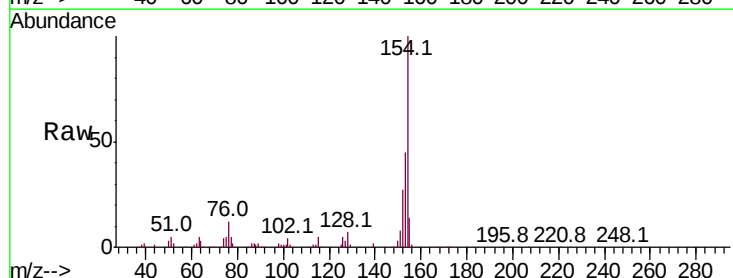
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

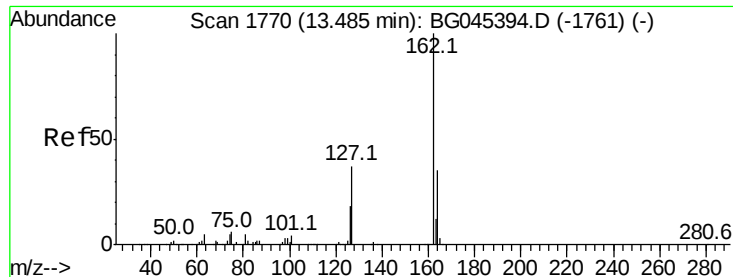
Tot Ion:172 Resp: 1227916
Ion Ratio Lower Upper
172 100
171 36.5 29.5 44.3
170 24.1 18.5 27.7



#46
1,1'-Biphenyl
Concen: 7.581 ng
RT: 13.44 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:154 Resp: 108145
Ion Ratio Lower Upper
154 100
153 45.5 22.2 62.2
76 11.7 0.0 32.4

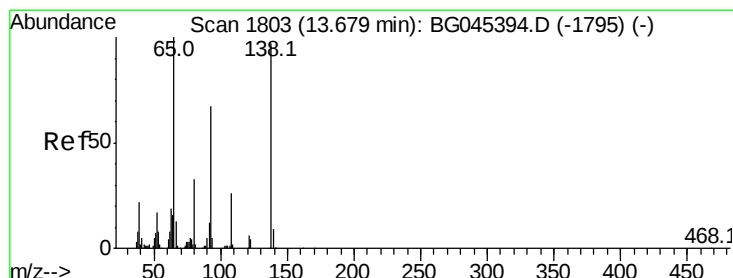
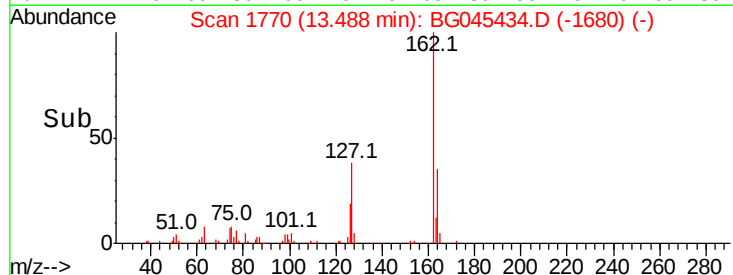
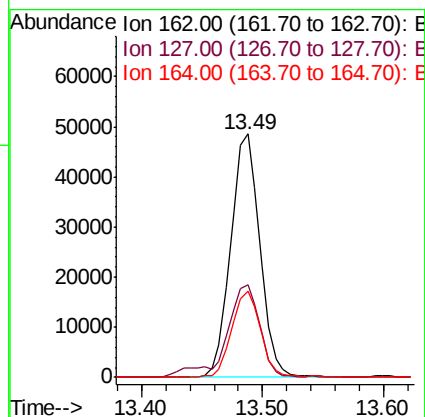
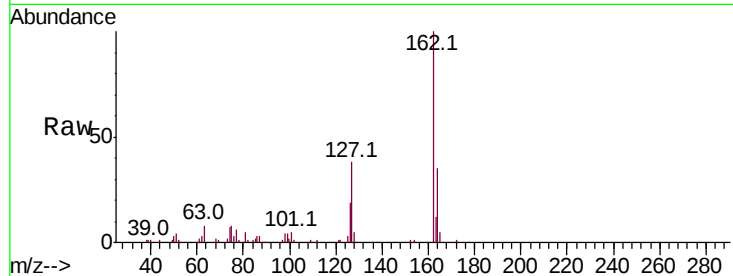




#47
2-Chloronaphthalene
Concen: 7.068 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

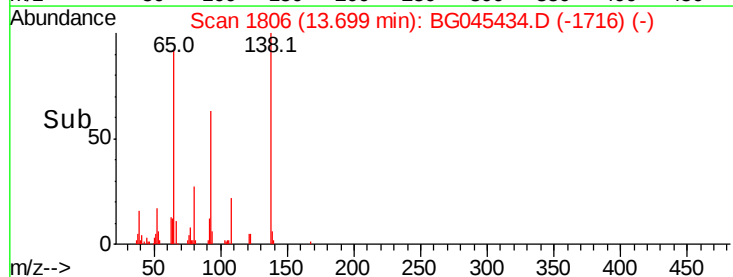
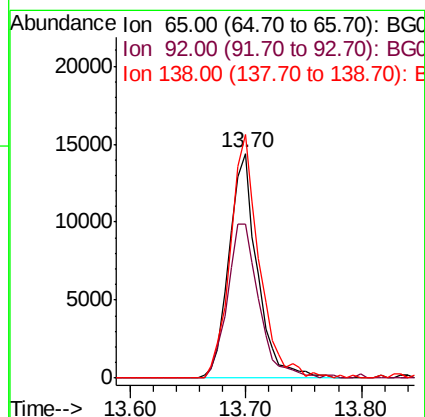
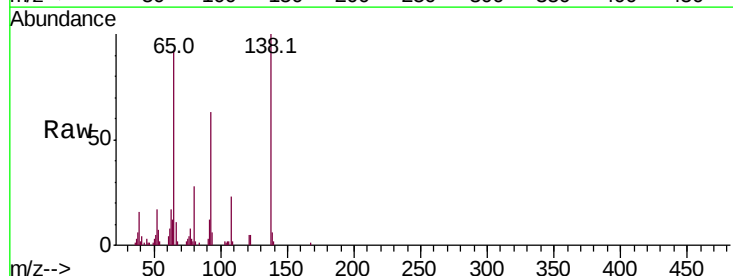
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

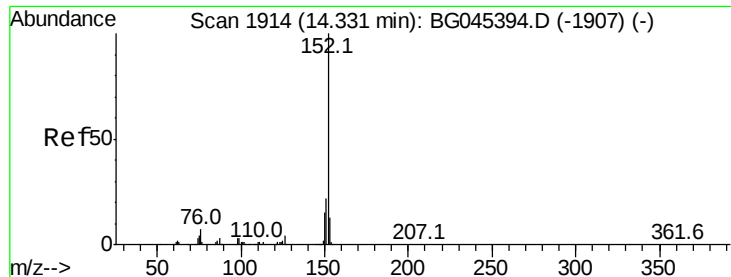
Tot Ion:162 Resp: 81884
Ion Ratio Lower Upper
162 100
127 37.9 31.6 47.4
164 35.2 28.1 42.1



#48
2-Nitroaniline
Concen: 6.415 ng
RT: 13.70 min Scan# 1806
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion: 65 Resp: 24447
Ion Ratio Lower Upper
65 100
92 68.6 53.8 80.8
138 108.4 77.9 116.9





#49

Acenaphthylene

Concen: 7.691 ng

RT: 14.33 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

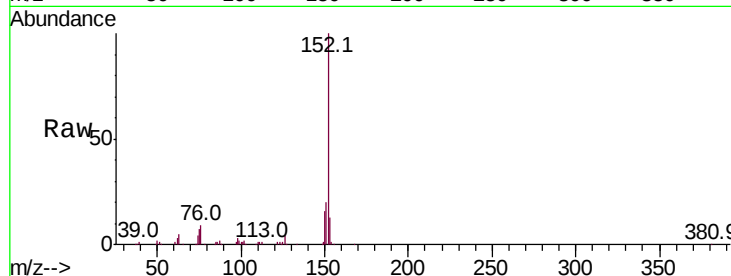
Tot Ion:152 Resp: 143119

Ion Ratio Lower Upper

152 100

151 19.7 17.4 26.2

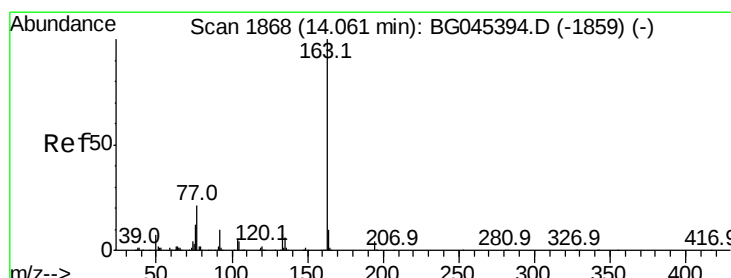
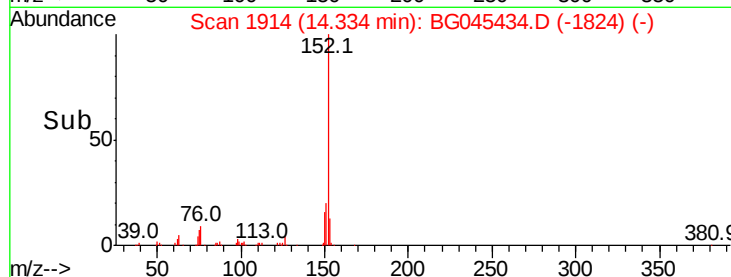
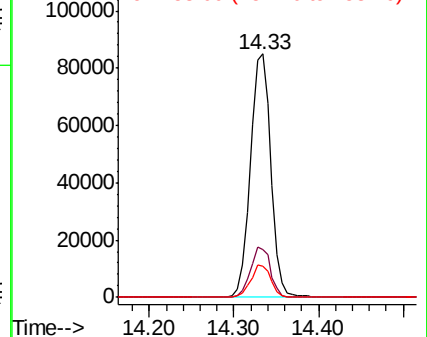
153 12.7 10.7 16.1



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: 7.755 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

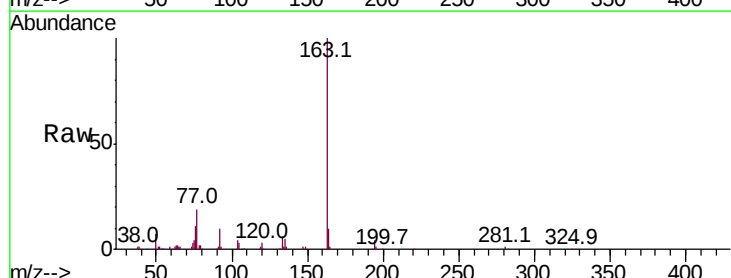
Tgt Ion:163 Resp: 123511

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

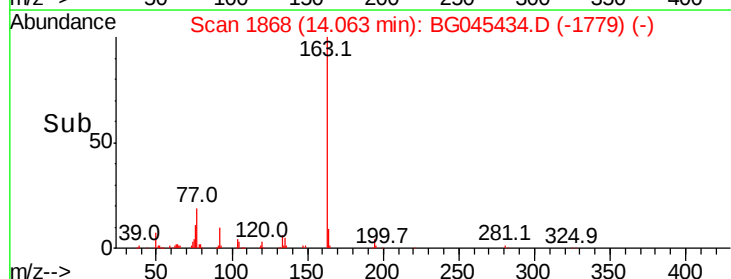
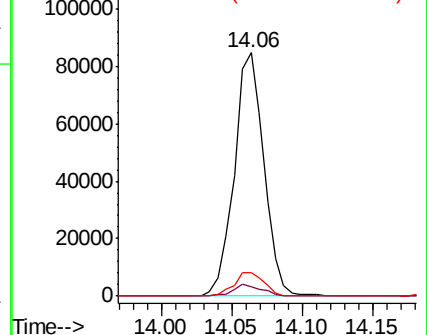
164 9.7 8.3 12.5

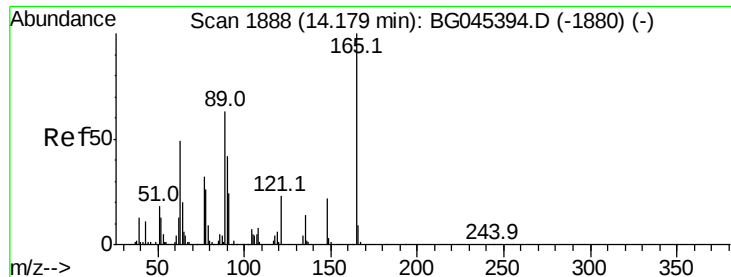


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

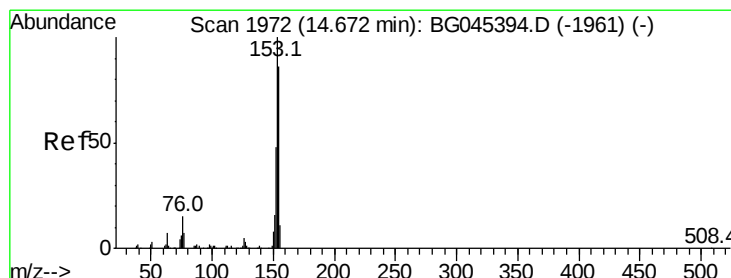
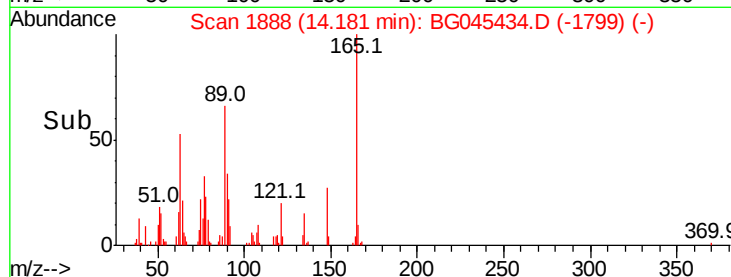
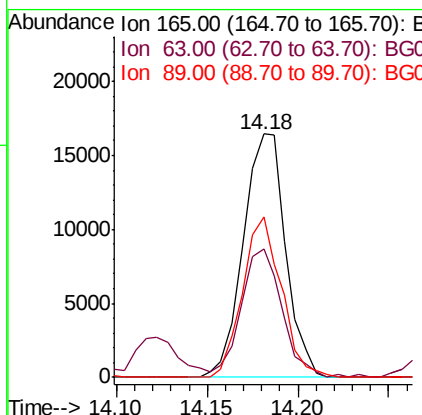
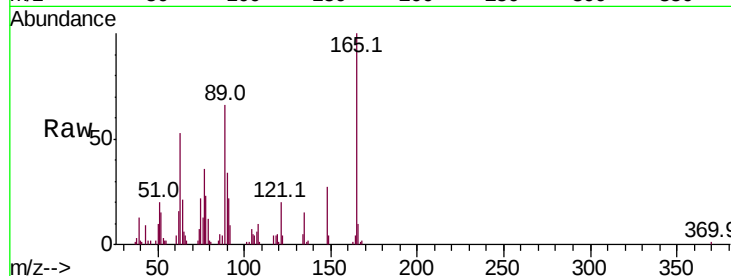




#51
 2,6-Dinitrotoluene
 Concen: 7.449 ng
 RT: 14.18 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

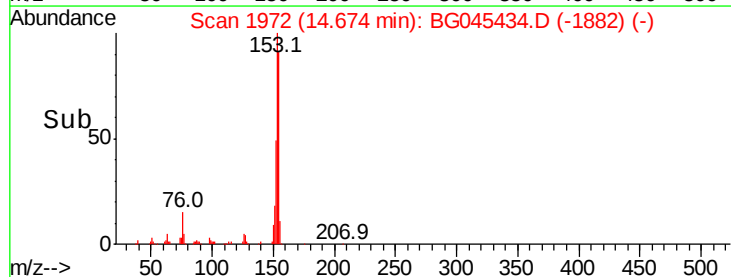
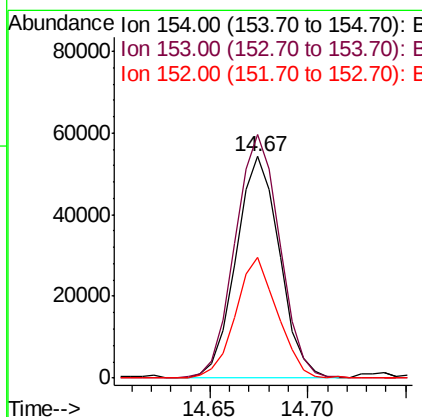
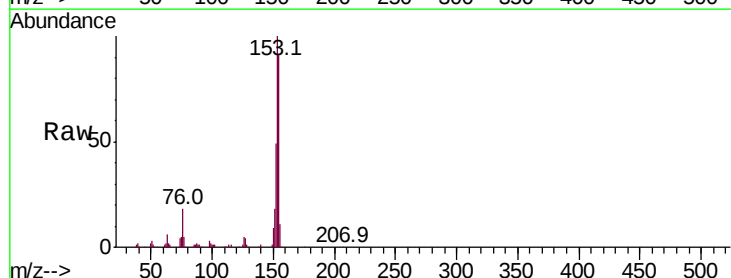
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

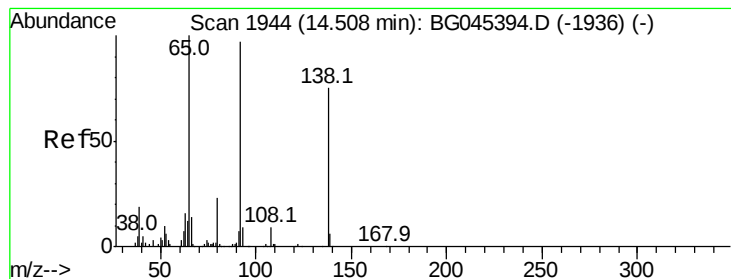
Tot Ion:165 Resp: 26769
 Ion Ratio Lower Upper
 165 100
 63 52.8 45.0 67.4
 89 65.7 50.2 75.4



#52
 Acenaphthene
 Concen: 6.751 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: BG045434.D
 Acq: 20 May 2020 13:36

Tgt Ion:154 Resp: 84088
 Ion Ratio Lower Upper
 154 100
 153 110.0 92.8 139.2
 152 54.3 44.6 66.8





#53

3-Nitroaniline

Concen: 6.563 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

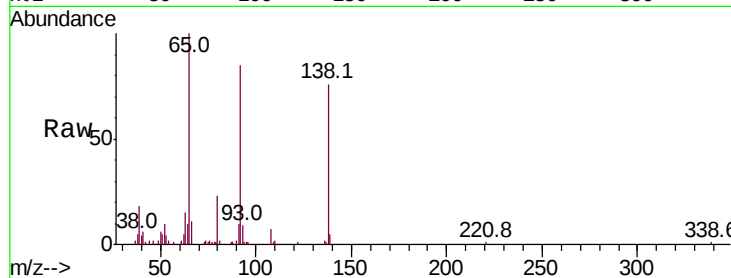
Tot Ion:138 Resp: 23976

Ion Ratio Lower Upper

138 100

108 8.6 9.8 14.6#

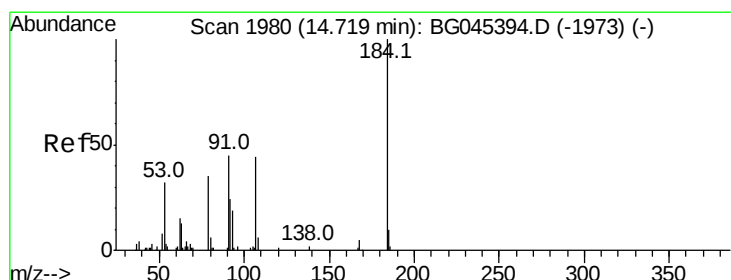
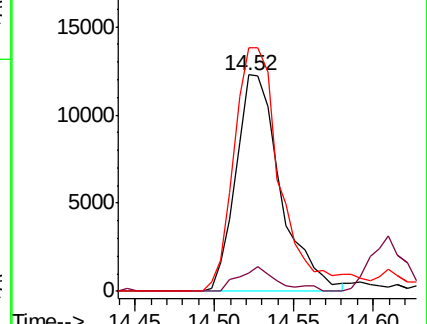
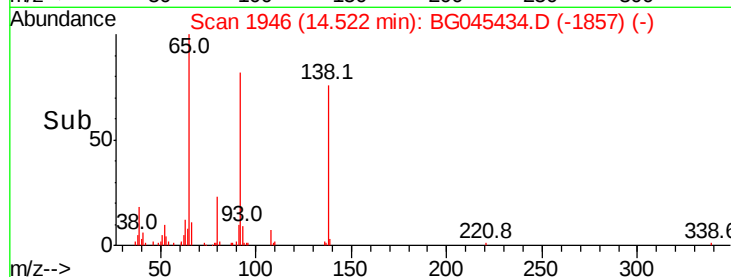
92 112.6 103.0 154.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 7.172 ng

RT: 14.73 min Scan# 1982

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

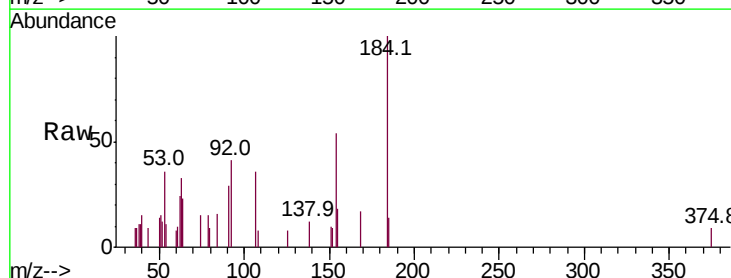
Tgt Ion:184 Resp: 4328

Ion Ratio Lower Upper

184 100

63 33.2 47.8 71.6#

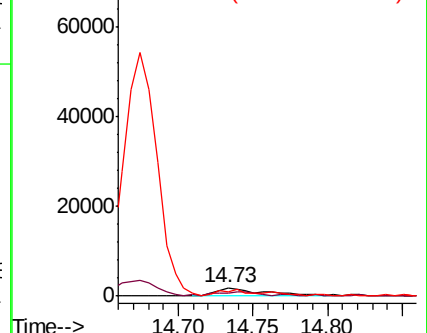
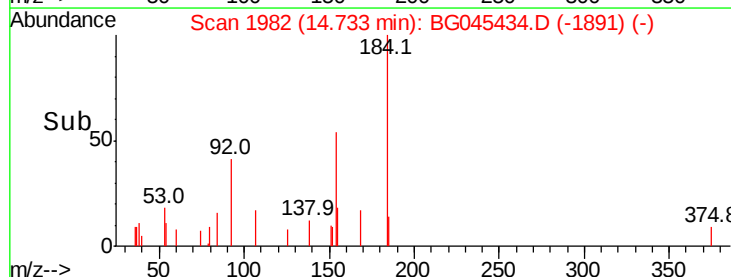
154 53.8 58.3 87.5#

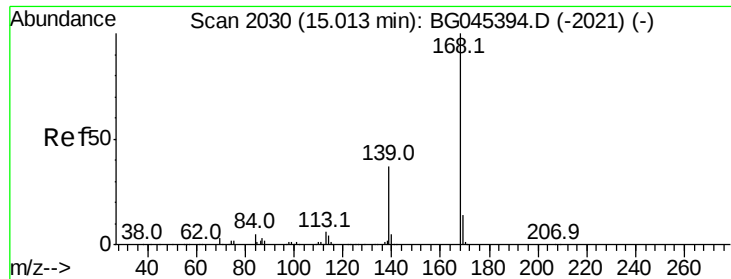


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 7.830 ng

RT: 15.01 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

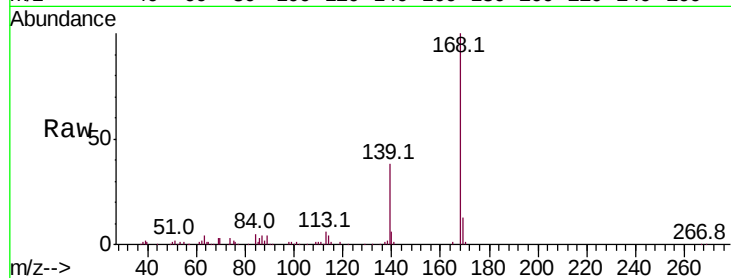
Tot Ion:168 Resp: 144832

Ion Ratio Lower Upper

168 100

139 37.6 29.9 44.9

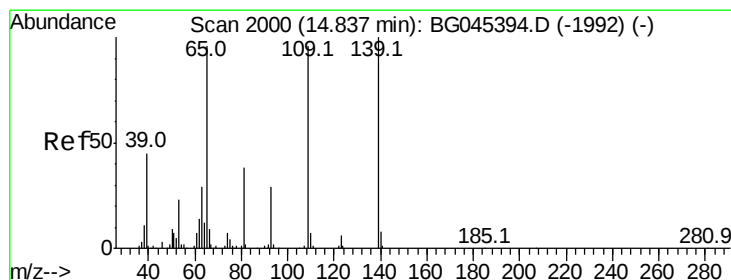
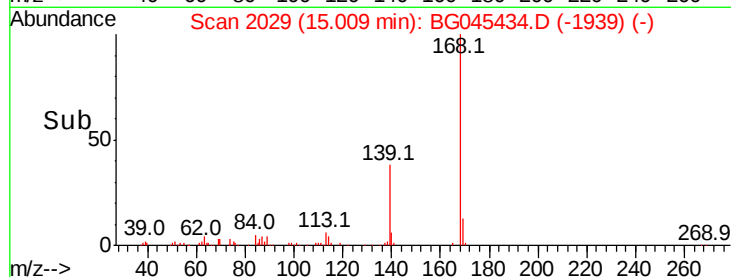
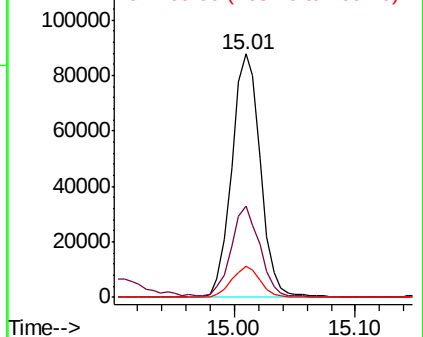
169 12.8 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 5.871 ng

RT: 14.90 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

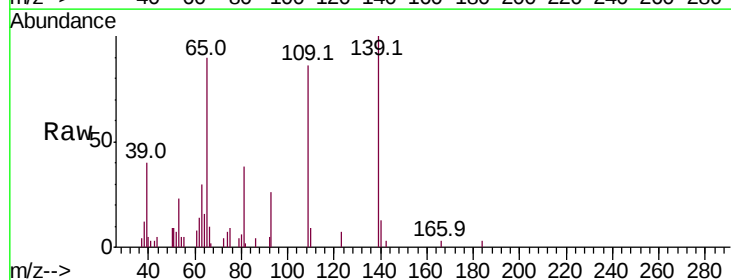
Tgt Ion:139 Resp: 16238

Ion Ratio Lower Upper

139 100

109 86.1 75.6 115.6

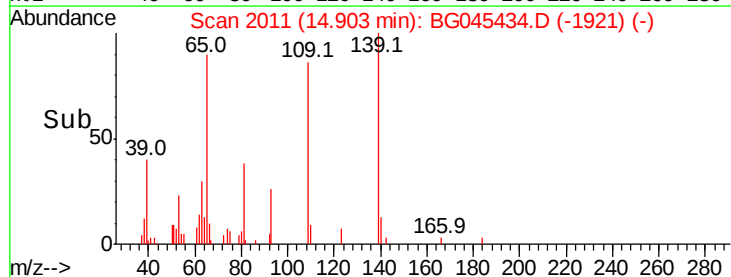
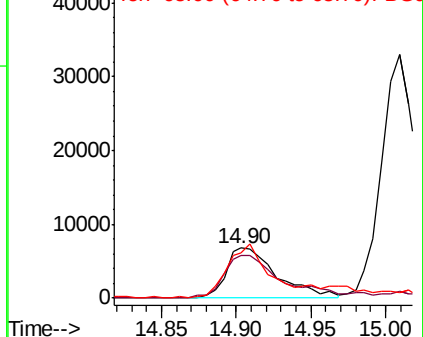
65 90.4 76.8 116.8

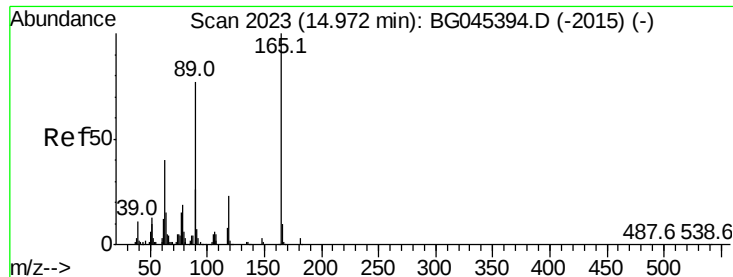


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG

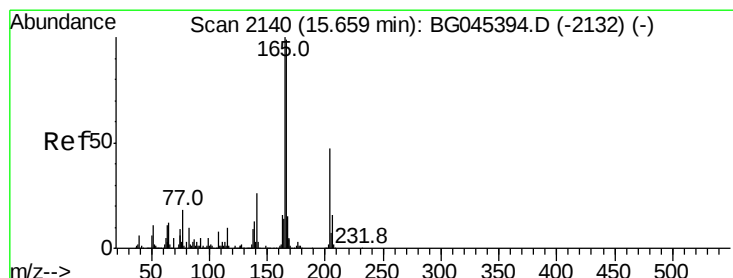
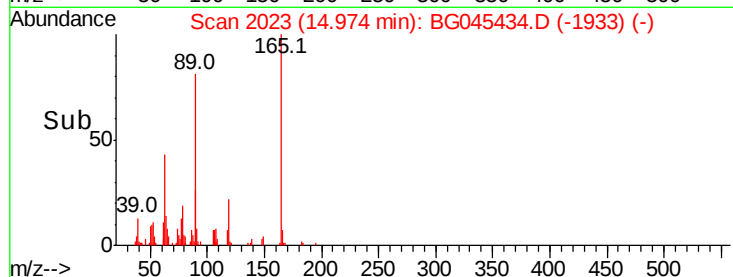
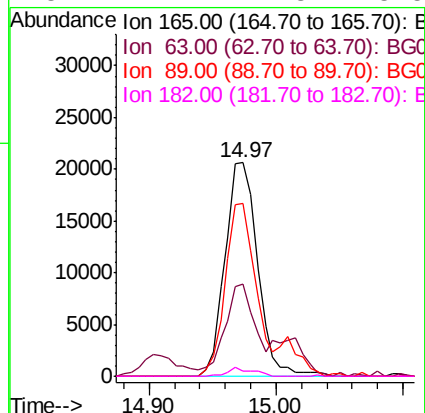
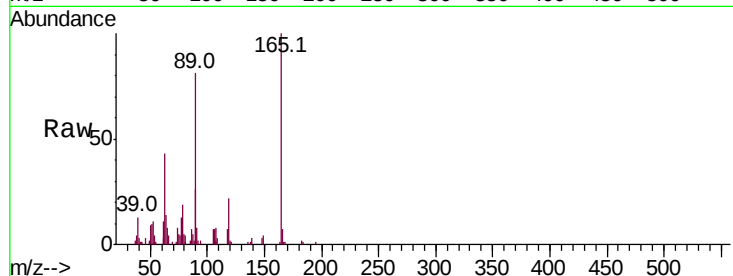




#57
2,4-Dinitrotoluene
Concen: 7.056 ng
RT: 14.97 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

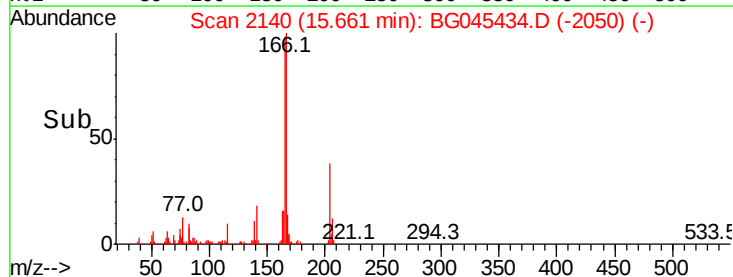
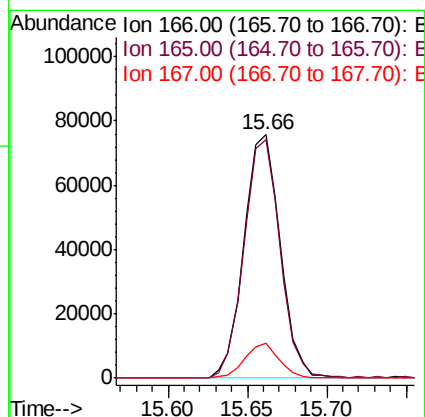
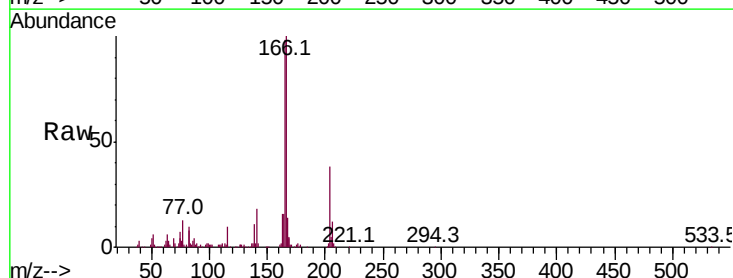
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

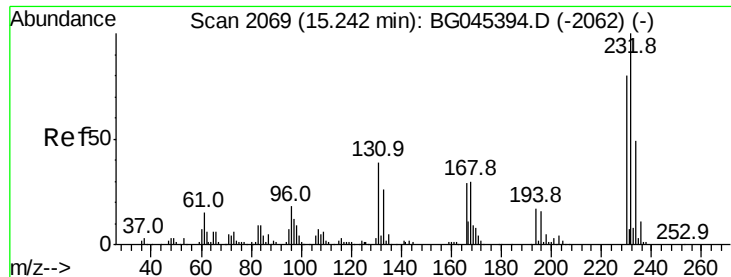
Tot Ion:	165	Resp:	36725
Ion	Ratio	Lower	Upper
165	100		
63	43.2	32.5	48.7
89	81.0	61.8	92.6
182	2.4	2.3	3.5



#58
Fluorene
Concen: 7.936 ng
RT: 15.66 min Scan# 2140
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:	166	Resp:	120599
Ion	Ratio	Lower	Upper
166	100		
165	98.0	80.8	121.2
167	14.1	12.0	18.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.444 ng

RT: 15.25 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:232 Resp: 33712

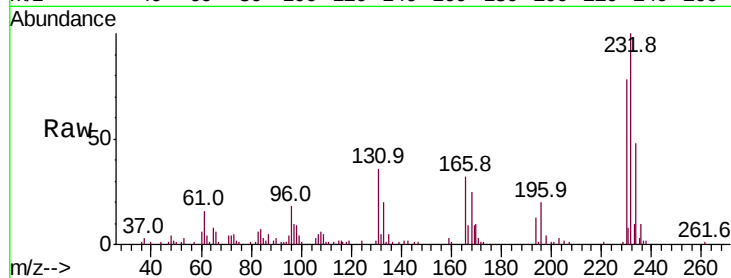
Ion Ratio Lower Upper

232 100

131 36.9 33.7 50.5

130 1.3 2.1 3.1#

166 29.0 23.2 34.8



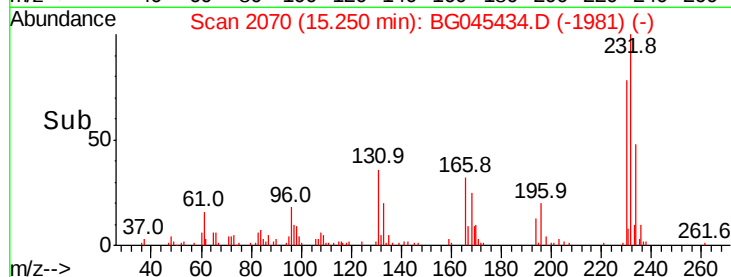
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

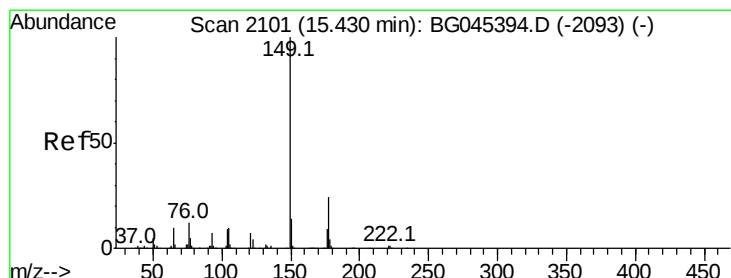
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

Time-->



Time-->



#60

Diethylphthalate

Concen: 7.787 ng

RT: 15.43 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

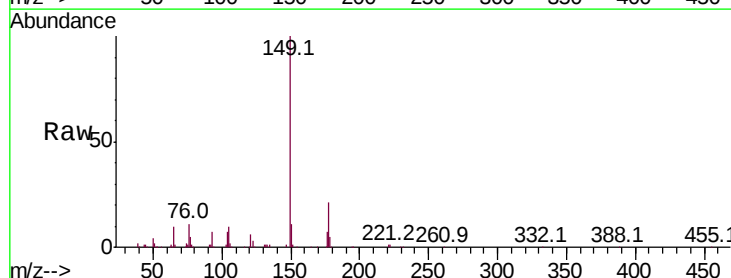
Tgt Ion:149 Resp: 129089

Ion Ratio Lower Upper

149 100

177 20.7 19.0 28.4

150 11.1 11.4 17.0#

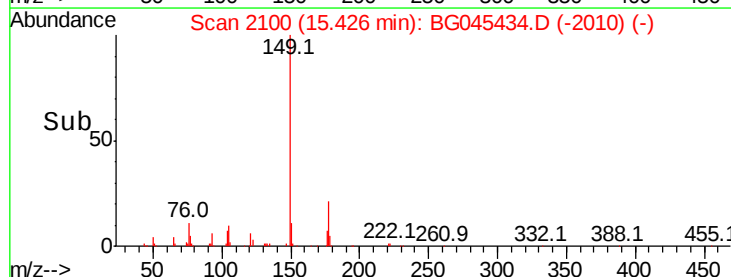


Abundance Ion 149.00 (148.70 to 149.70): E

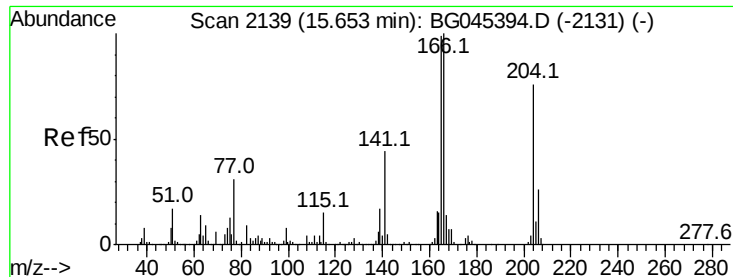
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->



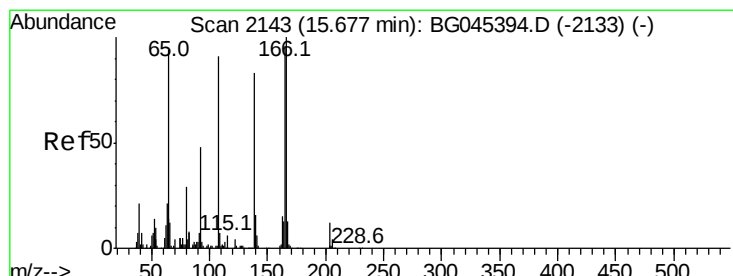
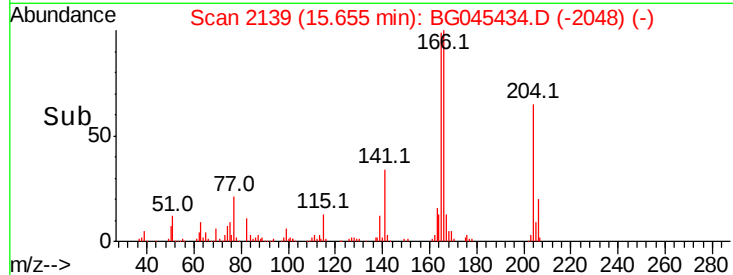
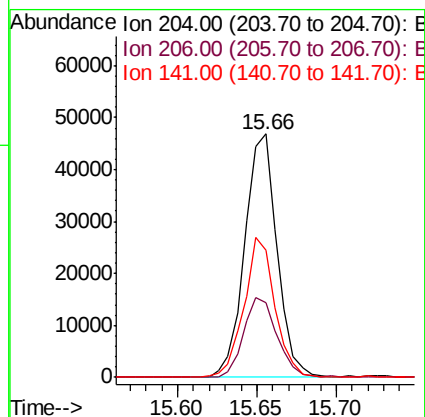
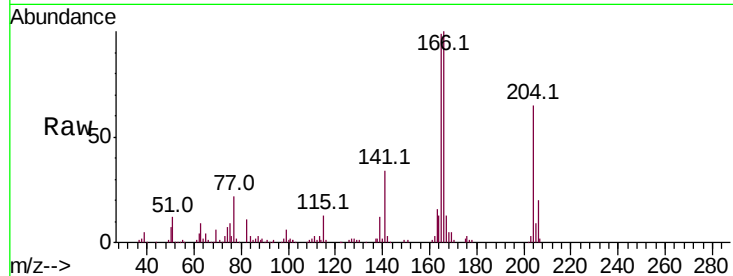
Time-->



#61
4-Chlorophenyl-phenylether
Concen: 7.622 ng
RT: 15.66 min Scan# 2139
Delta R.T. 0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

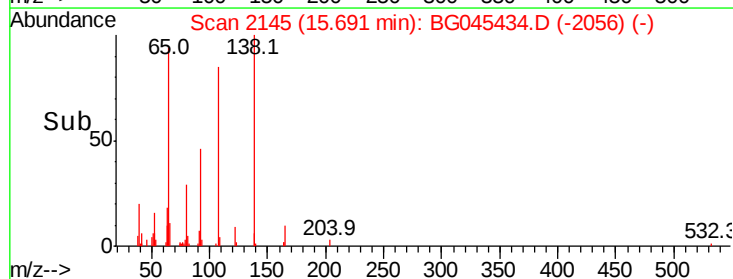
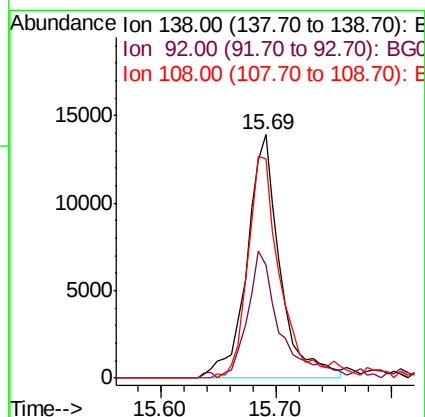
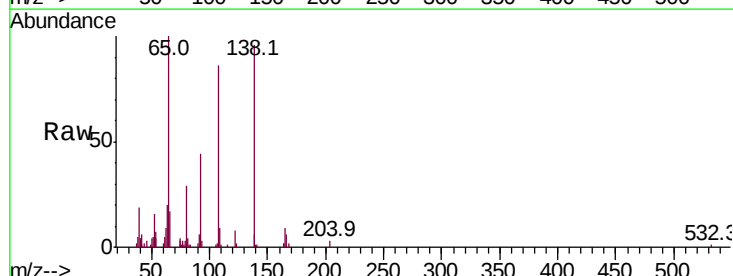
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

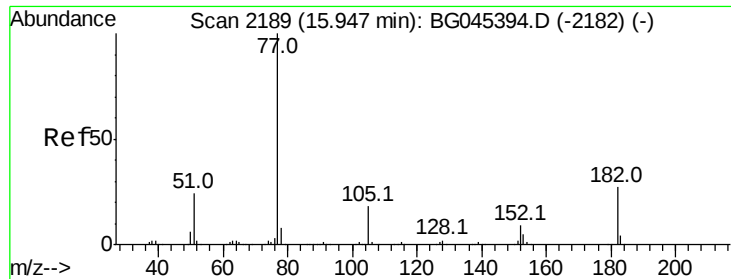
Tot Ion:204 Resp: 66276
Ion Ratio Lower Upper
204 100
206 30.7 27.3 40.9
141 52.5 45.9 68.9



#62
4-Nitroaniline
Concen: 7.221 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.01 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:138 Resp: 27540
Ion Ratio Lower Upper
138 100
92 46.2 38.0 78.0
108 89.9 89.3 129.3





#63

Azobenzene

Concen: 7.568 ng

RT: 15.94 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion: 77 Resp: 116985

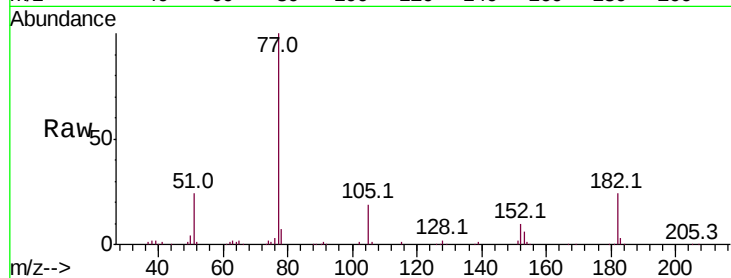
Ion Ratio Lower Upper

77 100

182 24.5 6.5 46.5

105 19.1 0.0 37.9

51 23.9 4.1 44.1

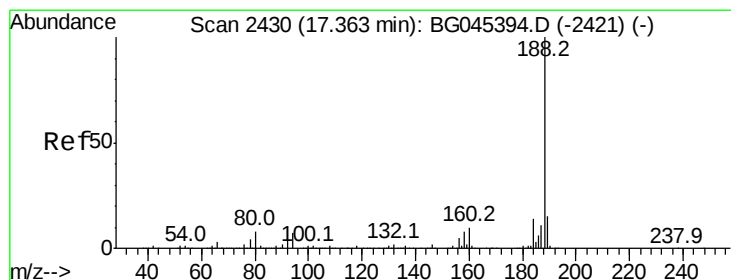
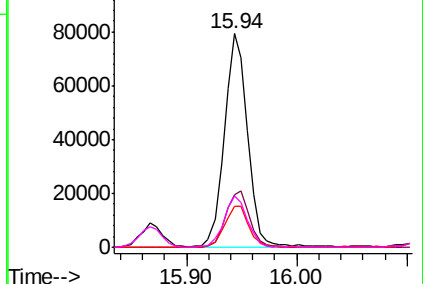
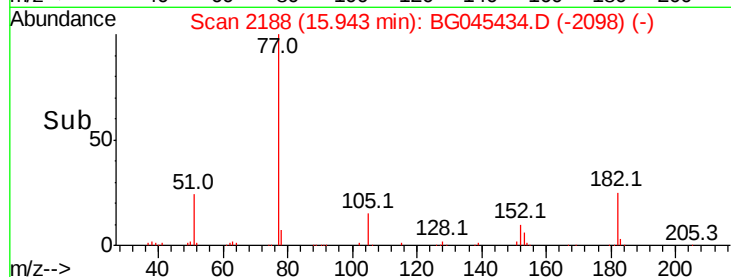


Abundance Ion 77.00 (76.70 to 77.70): BGC

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: 17.36 min Scan# 2429

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

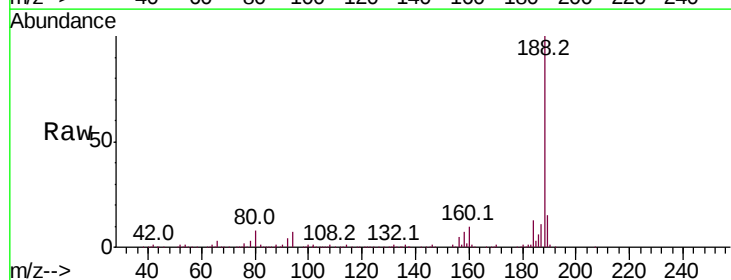
Tgt Ion: 188 Resp: 554570

Ion Ratio Lower Upper

188 100

94 6.9 5.5 8.3

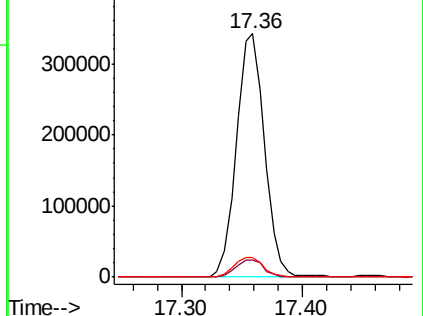
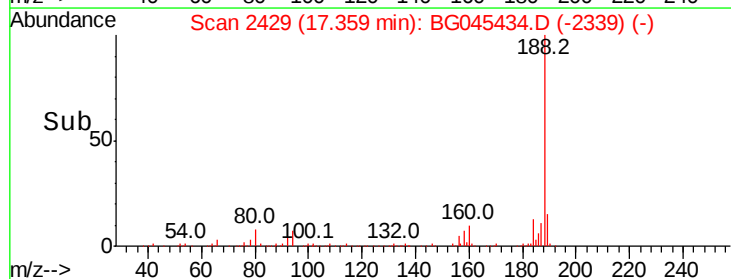
80 8.0 6.6 10.0

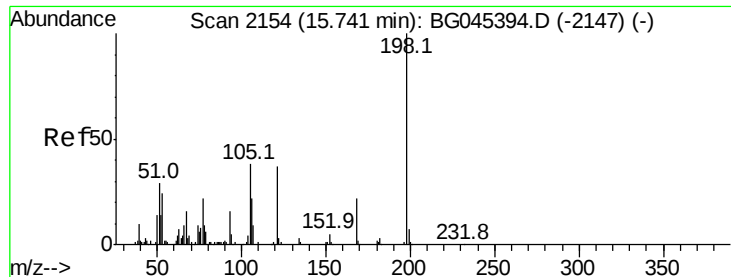


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

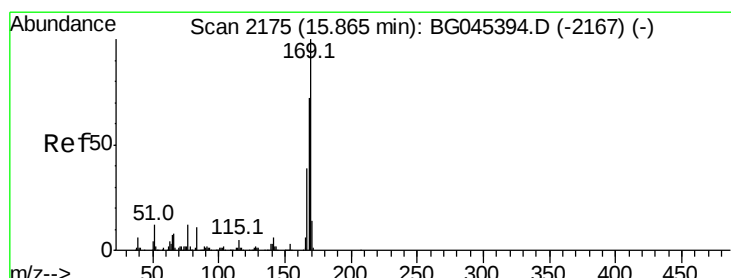
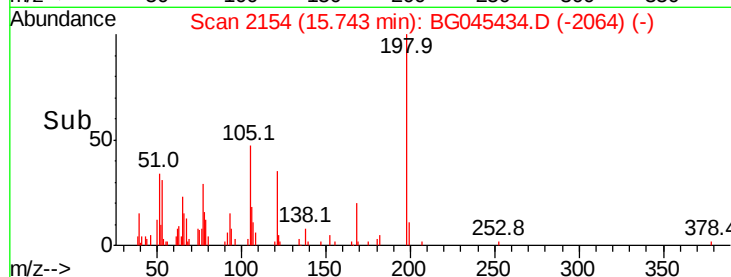
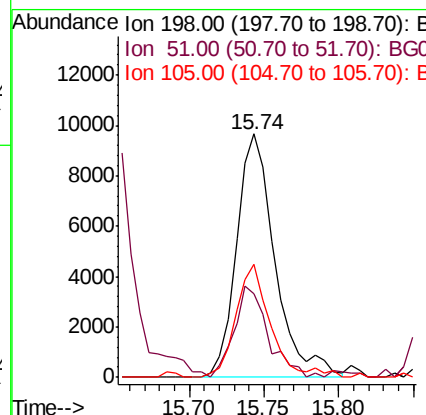
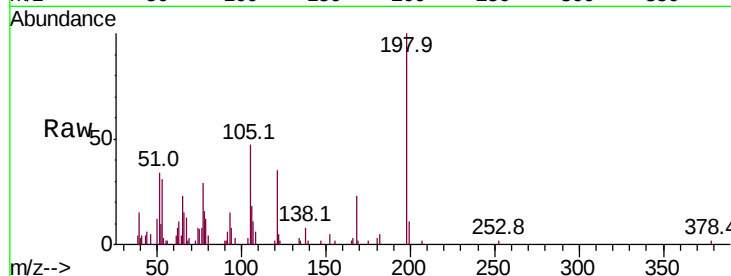




#65
4,6-Dinitro-2-methylphenol
Concen: 5.356 ng
RT: 15.74 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

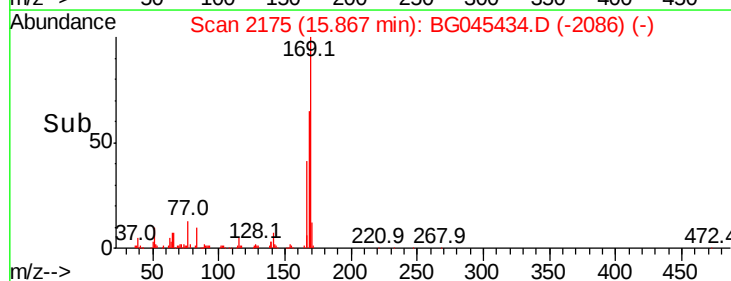
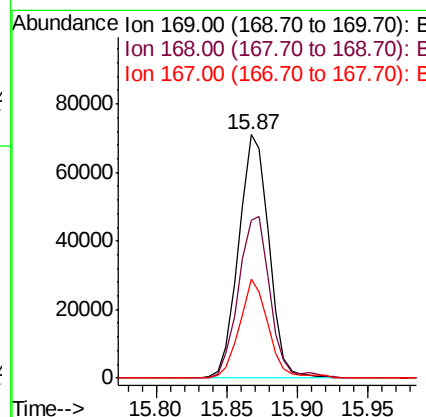
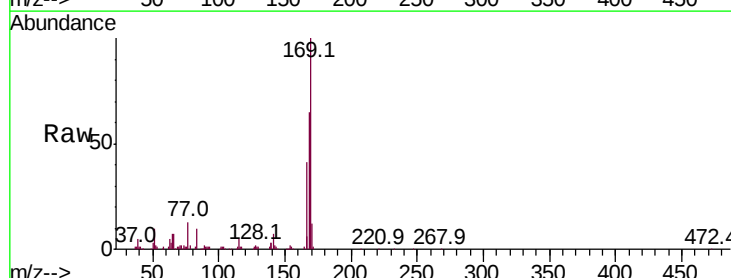
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

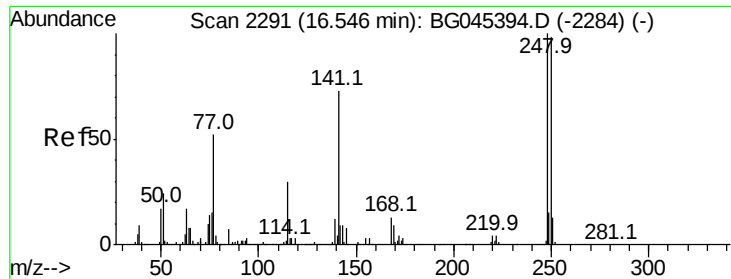
Tot Ion	Ratio	Lower	Upper
198	100		
51	34.1	10.0	50.0
105	46.7	18.9	58.9



#66
n-Nitrosodiphenylamine
Concen: 7.981 ng
RT: 15.87 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.9	57.8	86.6
167	40.6	31.5	47.3

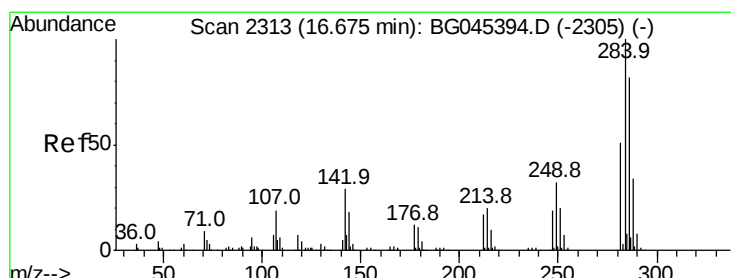
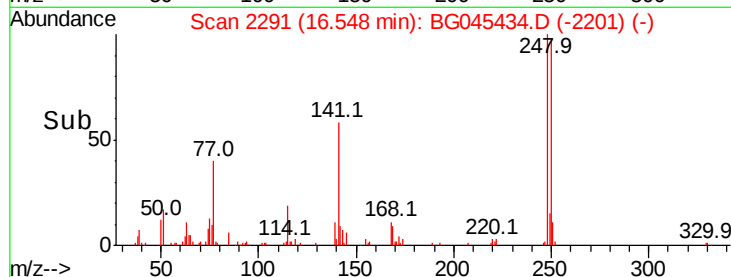
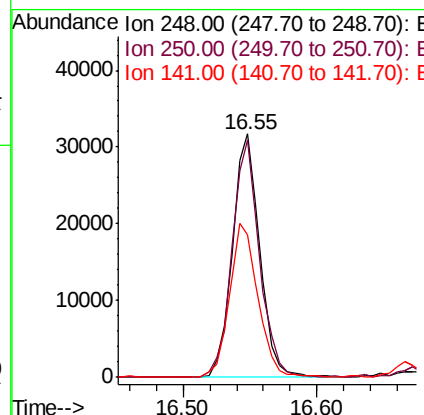
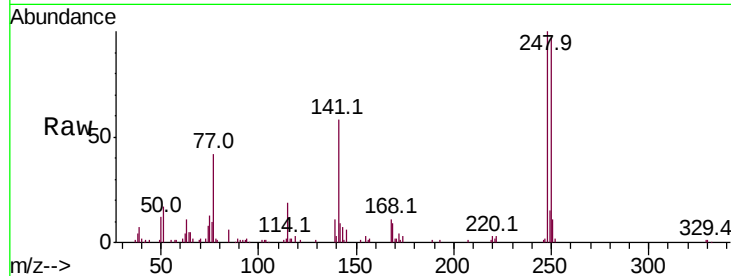




#67
4-Bromophenyl-phenylether
Concen: 7.532 ng
RT: 16.55 min Scan# 2291
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

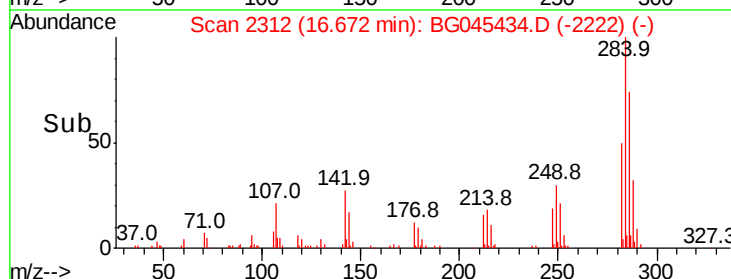
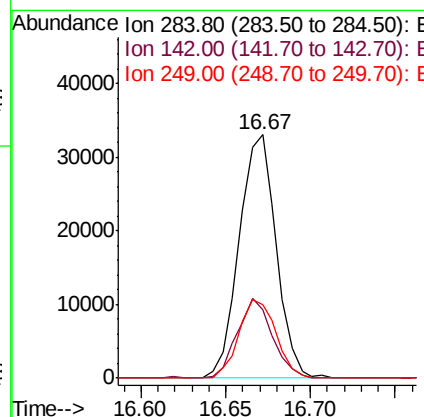
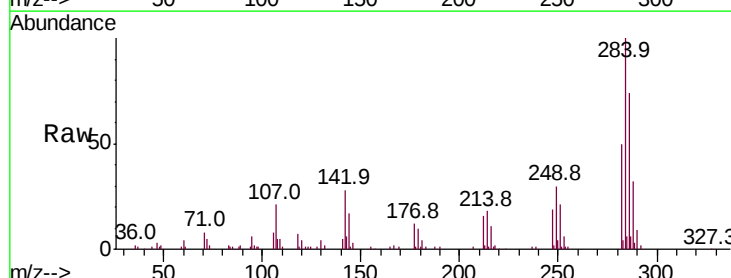
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

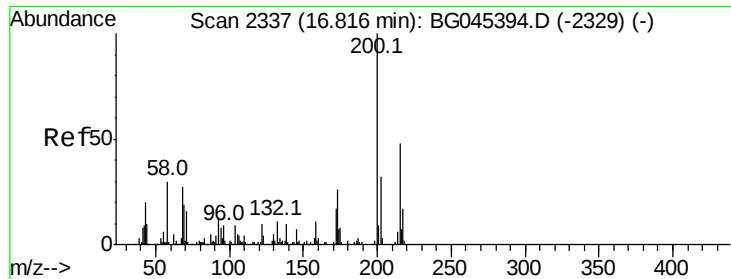
Tot Ion:248 Resp: 45232
Ion Ratio Lower Upper
248 100
250 97.3 78.6 117.8
141 58.4 58.2 87.2



#68
Hexachlorobenzene
Concen: 8.008 ng
RT: 16.67 min Scan# 2312
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:284 Resp: 50297
Ion Ratio Lower Upper
284 100
142 28.2 23.0 34.6
249 30.1 25.8 38.6





#69

Atrazine

Concen: 7.823 ng

RT: 16.82 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

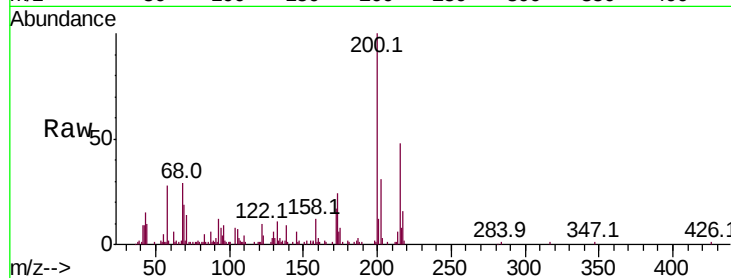
Tot Ion:200 Resp: 42903

Ion Ratio Lower Upper

200 100

173 23.7 5.5 45.5

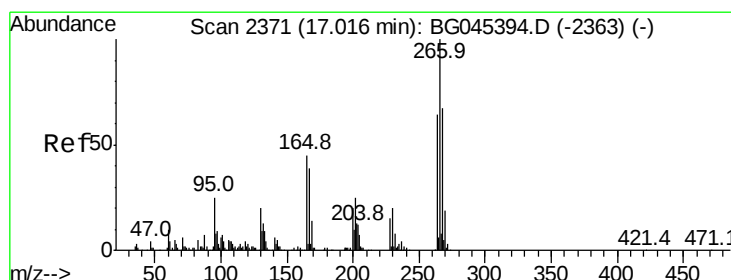
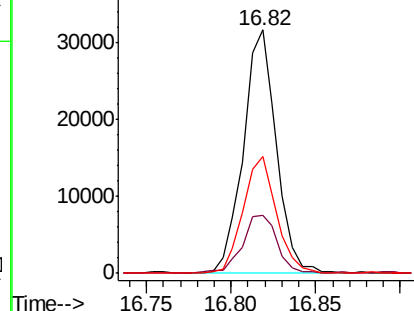
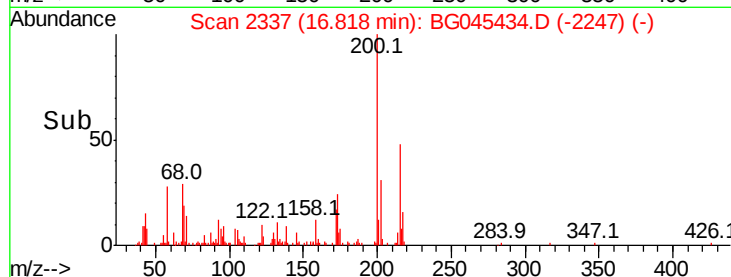
215 48.0 28.2 68.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 2.632 ng

RT: 17.03 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

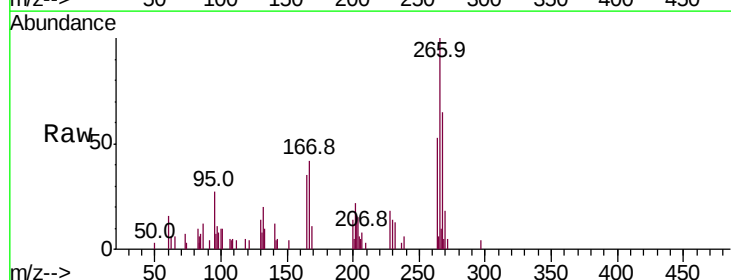
Tgt Ion:266 Resp: 8582

Ion Ratio Lower Upper

266 100

268 64.9 53.2 79.8

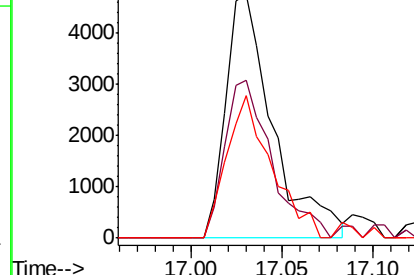
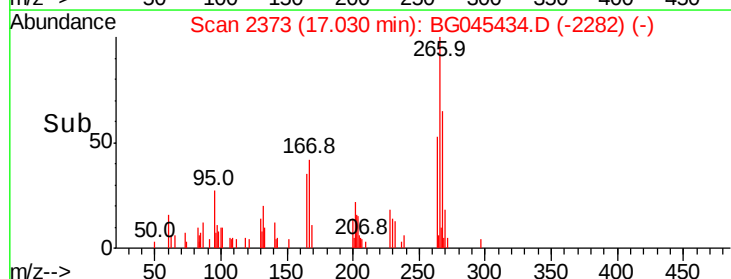
264 58.5 51.0 76.4

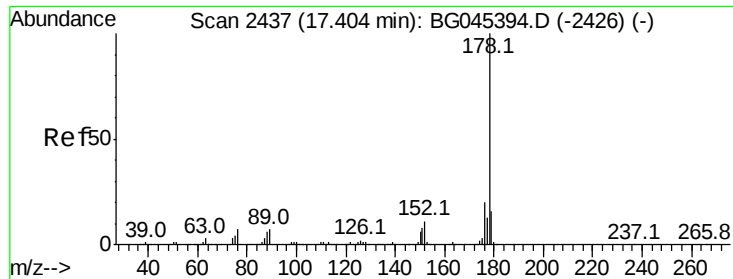


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

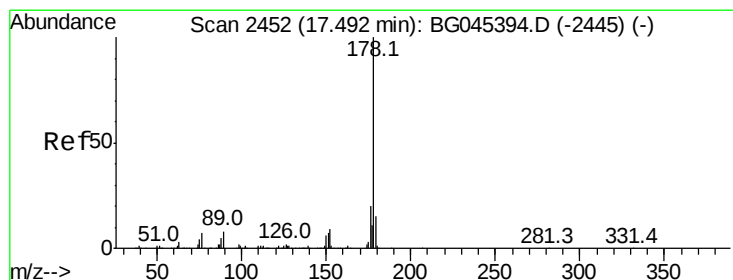
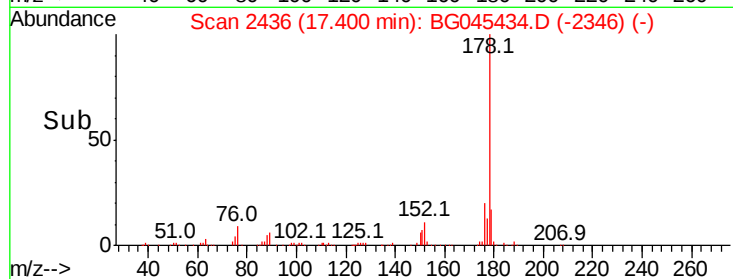
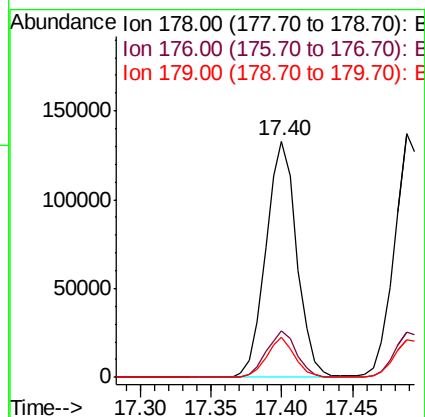
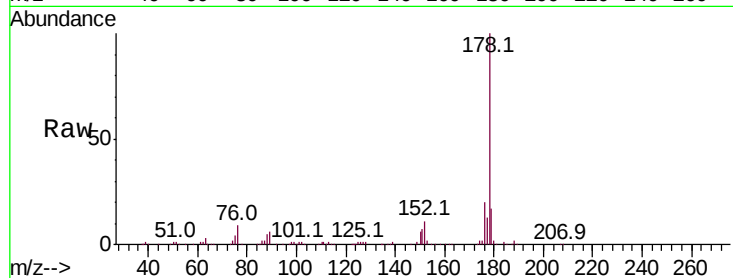




#71
Phenanthrene
Concen: 8.404 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

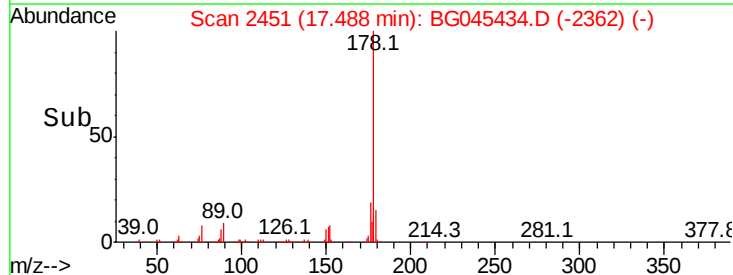
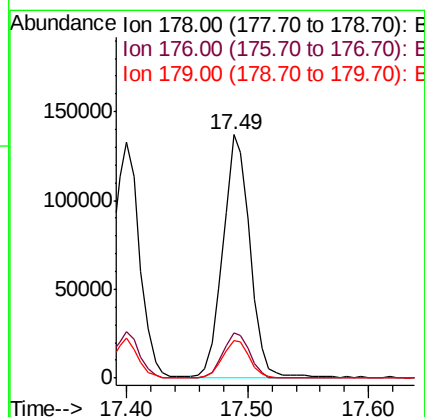
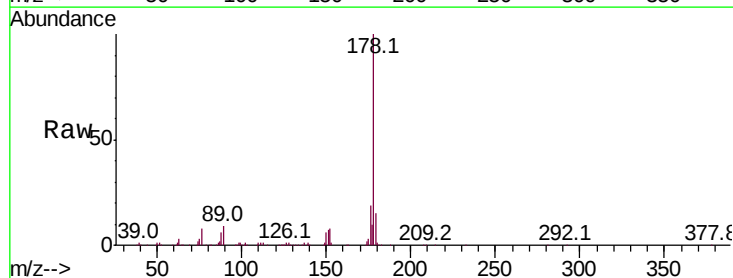
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

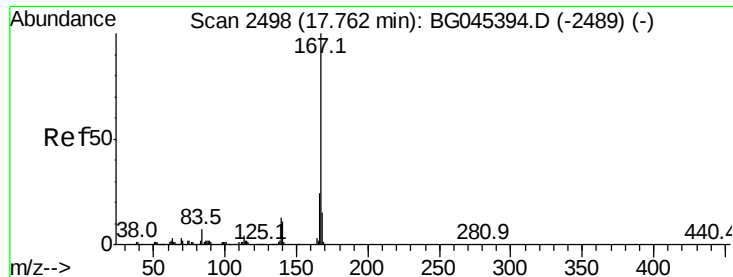
Tot Ion:178 Resp: 203453
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 16.9 13.1 19.7



#72
Anthracene
Concen: 8.668 ng
RT: 17.49 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:178 Resp: 210750
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.5 12.2 18.4





#73

Carbazole

Concen: 8.095 ng

RT: 17.77 min Scan# 2499

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

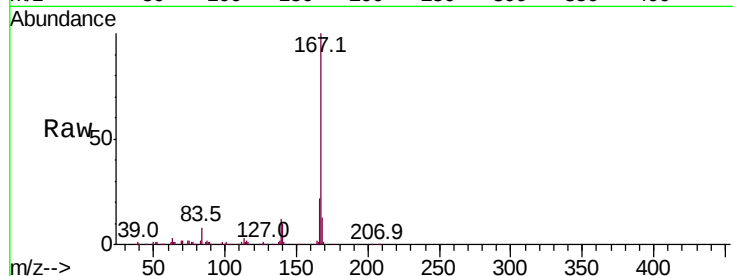
Tot Ion:167 Resp: 191848

Ion Ratio Lower Upper

167 100

166 22.0 19.2 28.8

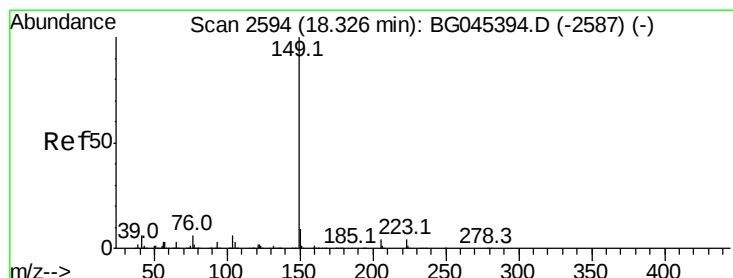
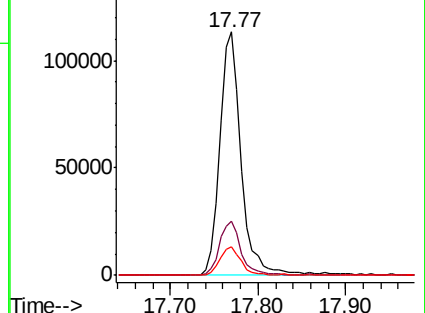
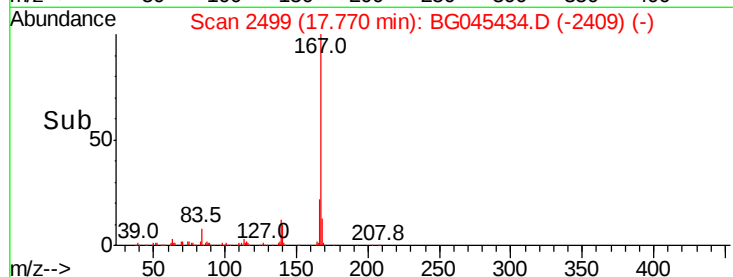
139 12.0 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.070 ng

RT: 18.32 min Scan# 2593

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

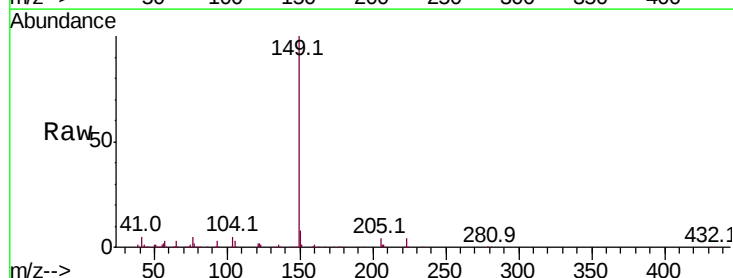
Tgt Ion:149 Resp: 229545

Ion Ratio Lower Upper

149 100

150 8.4 7.6 11.4

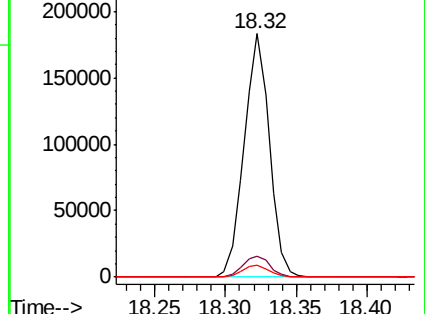
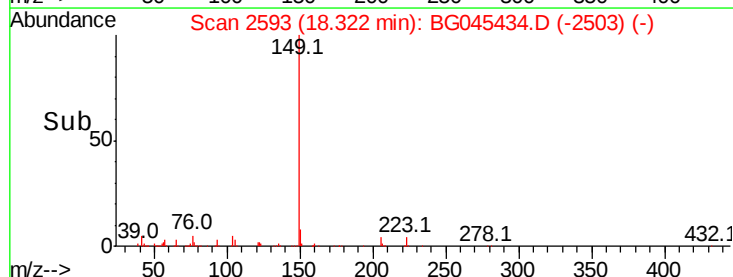
104 5.0 5.0 7.4

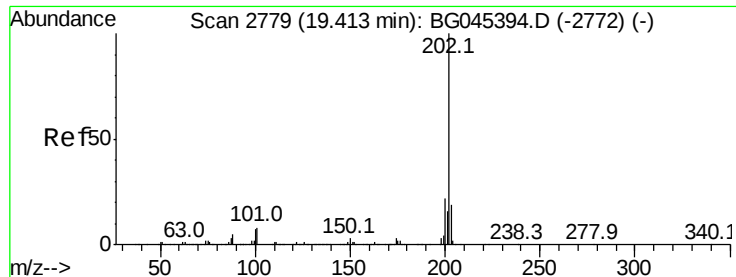


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.461 ng

RT: 19.41 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

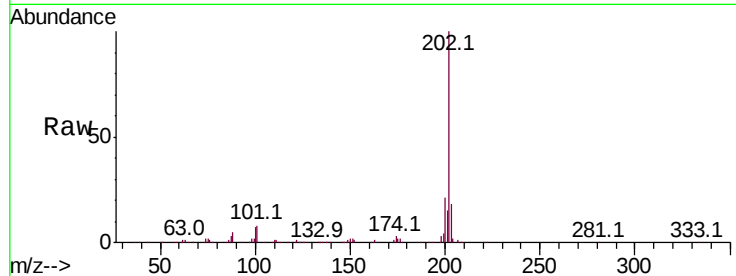
Tot Ion:202 Resp: 260548

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.3

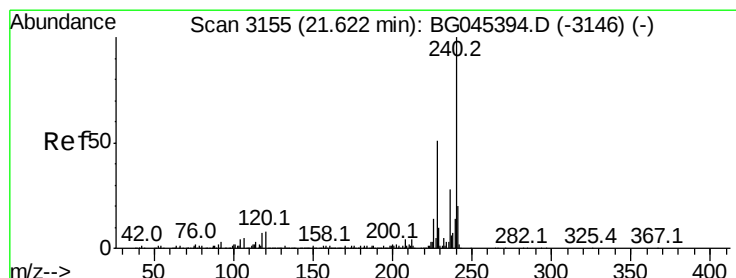
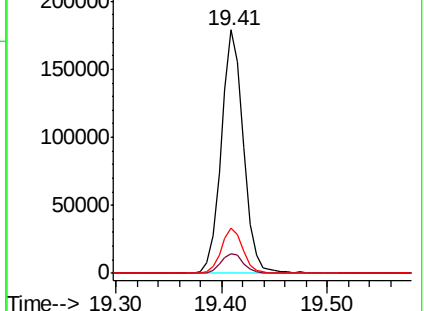
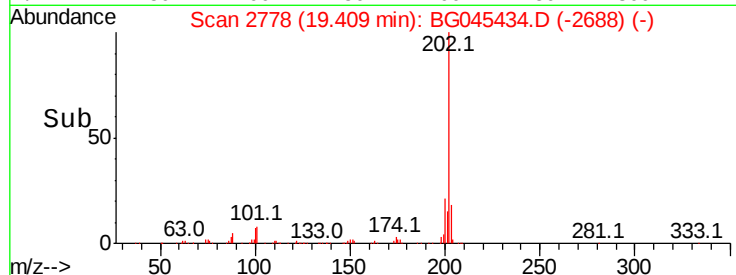
203 18.4 0.0 39.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

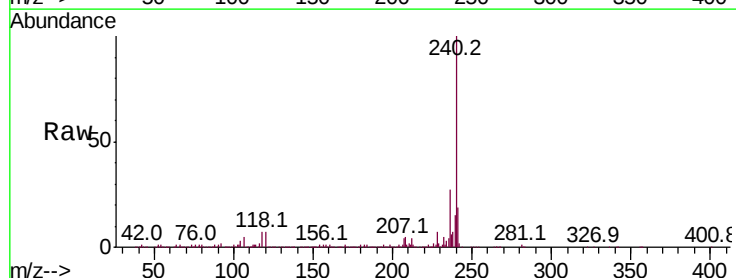
Tgt Ion:240 Resp: 558358

Ion Ratio Lower Upper

240 100

120 7.2 6.1 9.1

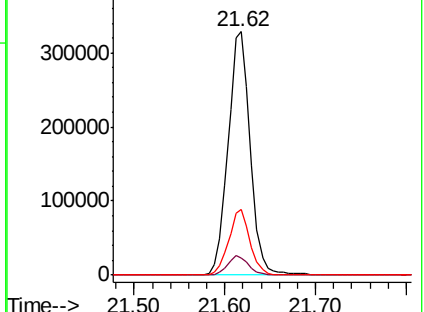
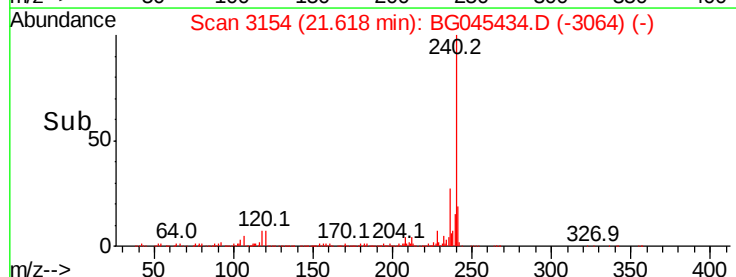
236 26.7 22.3 33.5

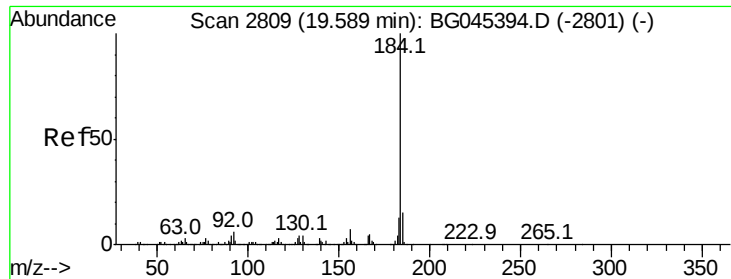


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.953 ng

RT: 19.59 min Scan# 2809

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

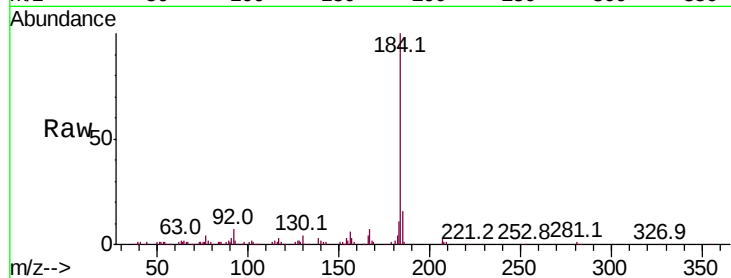
Tot Ion:184 Resp: 109038

Ion Ratio Lower Upper

184 100

185 16.0 11.7 17.5

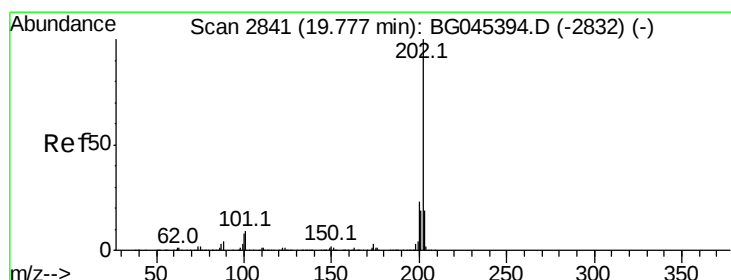
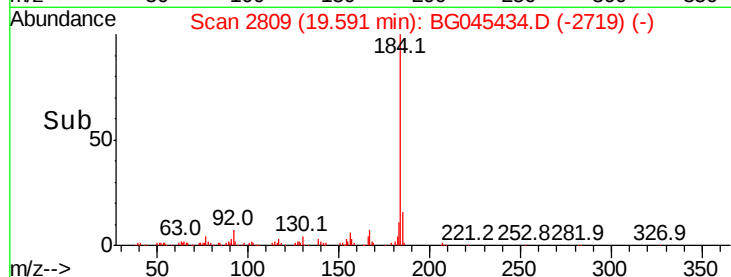
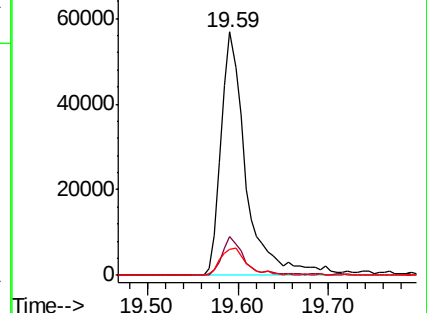
183 10.8 10.2 15.4



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: 8.455 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

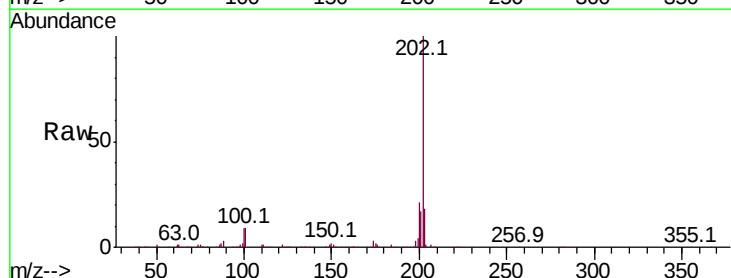
Tgt Ion:202 Resp: 269110

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

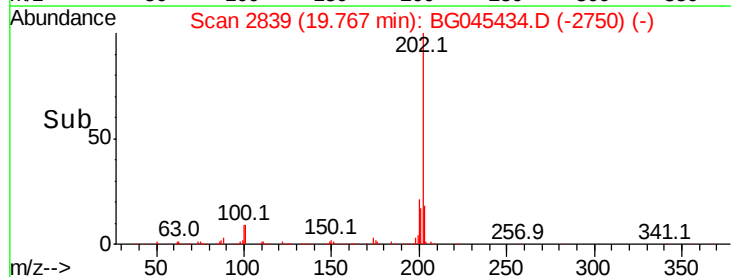
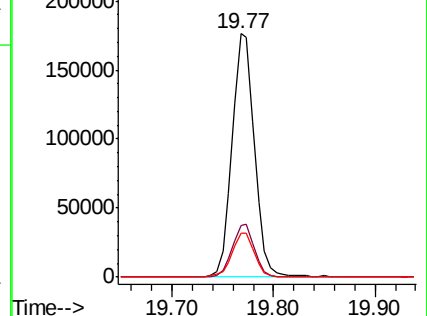
203 17.9 15.1 22.7

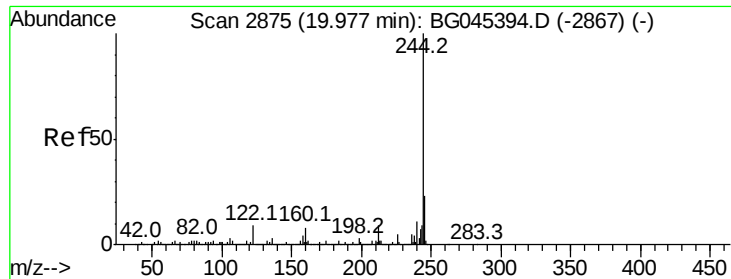


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 95.036 ng

RT: 19.97 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

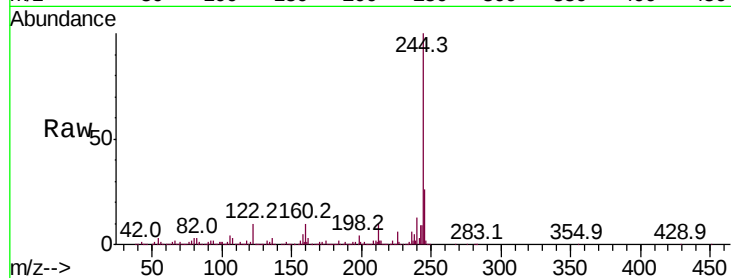
Tot Ion:244 Resp: 2275182

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.4	11.0
122	10.0	6.8	10.2

244 100

212 10.4 7.4 11.0

122 10.0 6.8 10.2

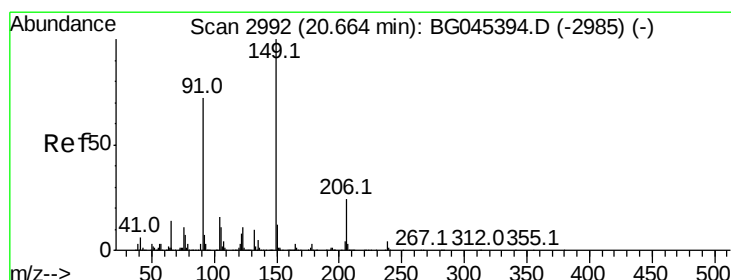
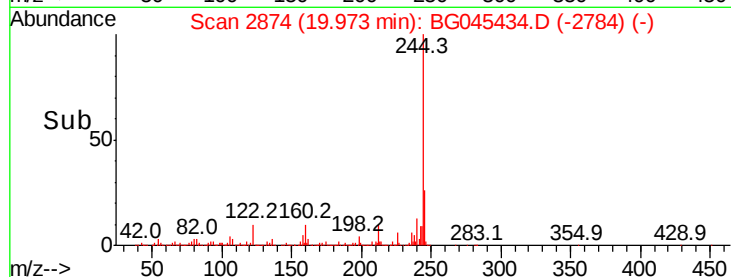
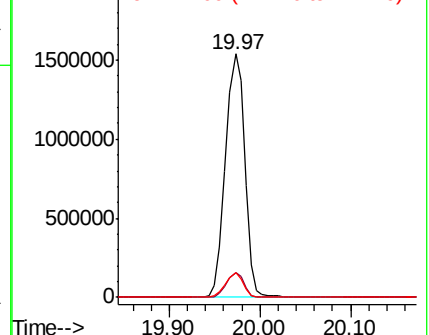


Abundance

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: 7.495 ng

RT: 20.66 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

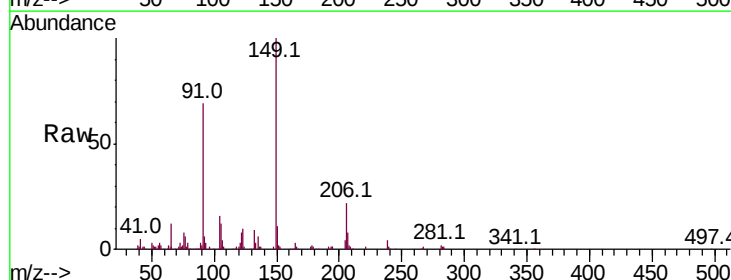
Tgt Ion:149 Resp: 102969

Ion	Ratio	Lower	Upper
149	100		
91	68.7	57.8	86.6
206	22.3	19.1	28.7

149 100

91 68.7 57.8 86.6

206 22.3 19.1 28.7

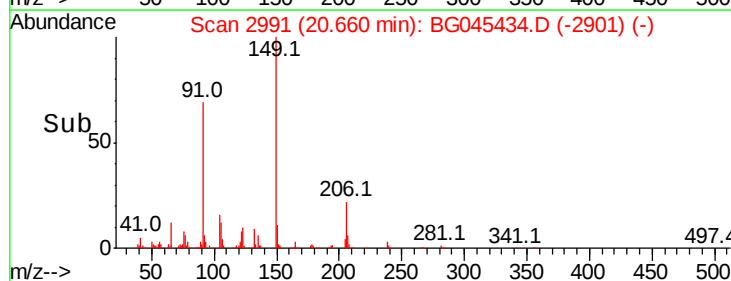
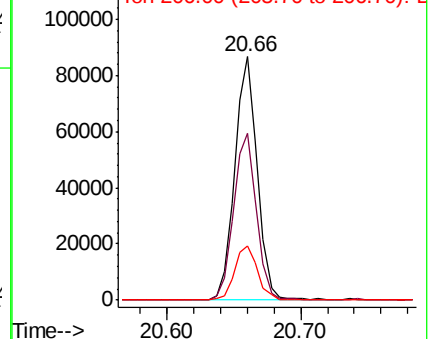


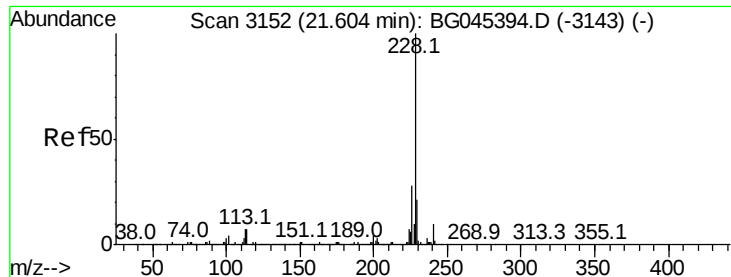
Abundance

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: 8.299 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

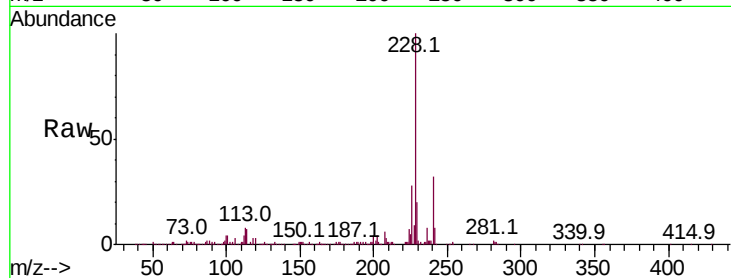
BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:228 Resp: 258146

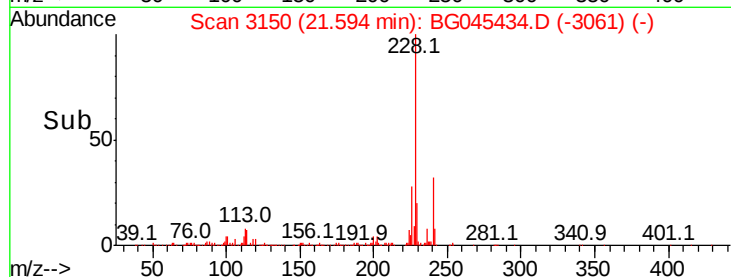
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.7	34.1
229	20.1	16.7	25.1



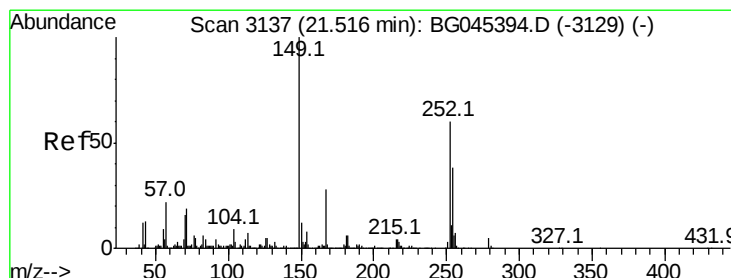
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.50 21.55 21.60 21.65



#82

3,3'-Dichlorobenzidine

Concen: 8.299 ng

RT: 21.52 min Scan# 3137

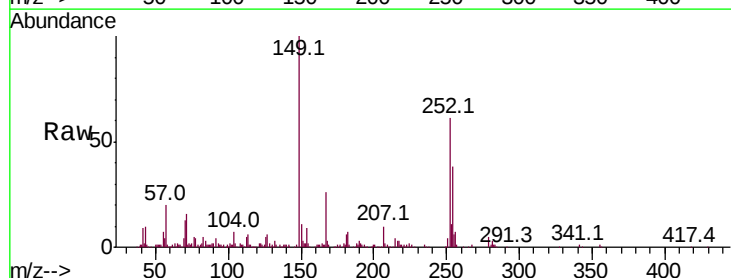
Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Tgt Ion:252 Resp: 101253

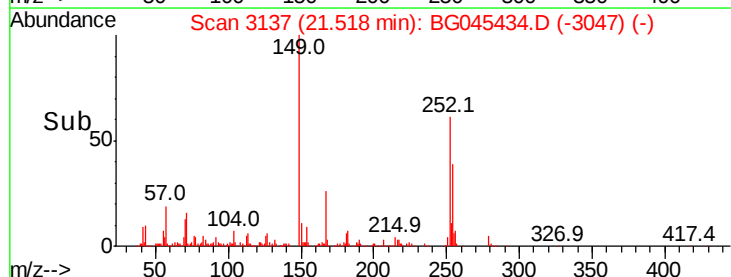
Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.3	76.9
126	8.3	6.6	10.0



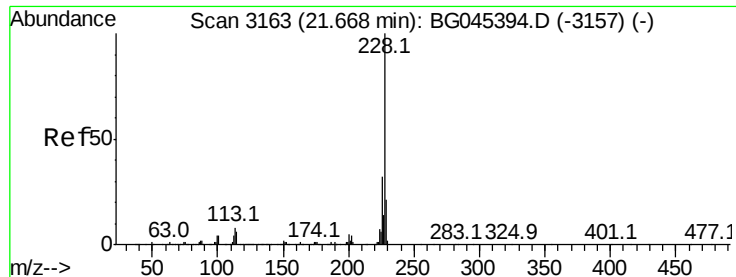
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time--> 21.40 21.50 21.60



#83

Chrysene

Concen: 8.079 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

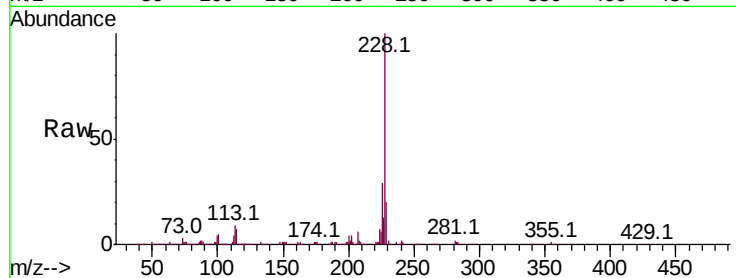
BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:228 Resp: 241630

Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.2	37.8
229	20.4	16.7	25.1

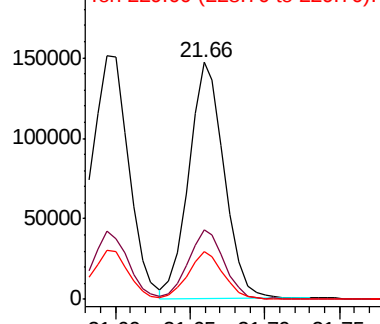


Abundance

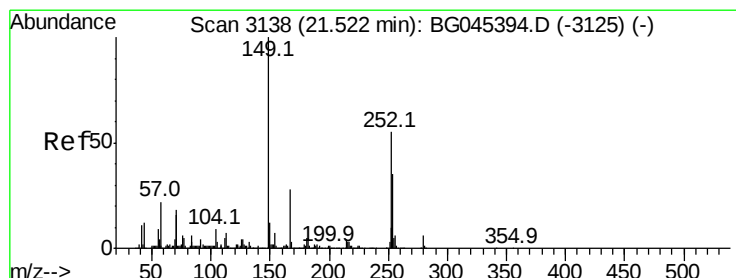
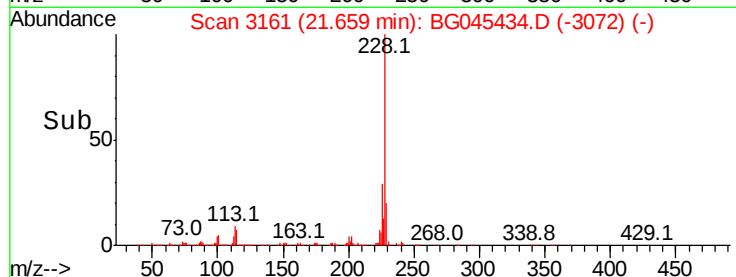
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.786 ng

RT: 21.51 min Scan# 3136

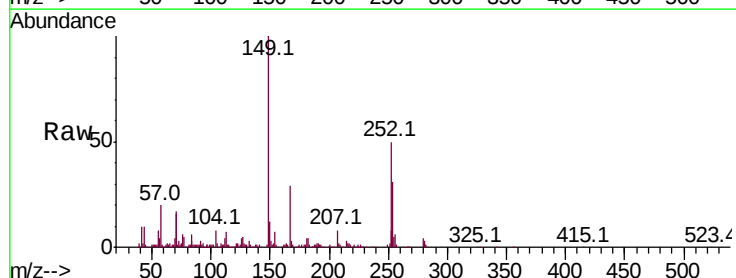
Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Tgt Ion:149 Resp: 147033

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.2	33.2
279	4.1	4.7	7.1#

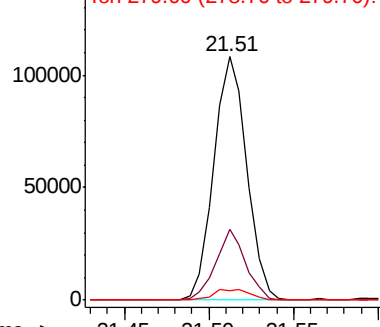


Abundance

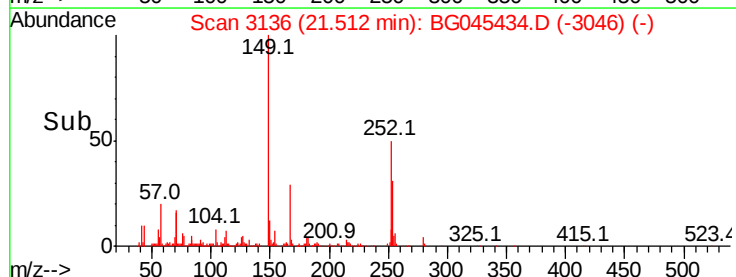
Ion 149.00 (148.70 to 149.70): E

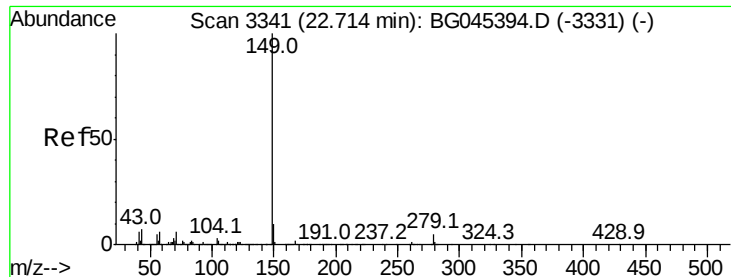
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#85

Di-n-octyl phthalate

Concen: 7.715 ng

RT: 22.70 min Scan# 3339

Delta R.T. -0.00 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

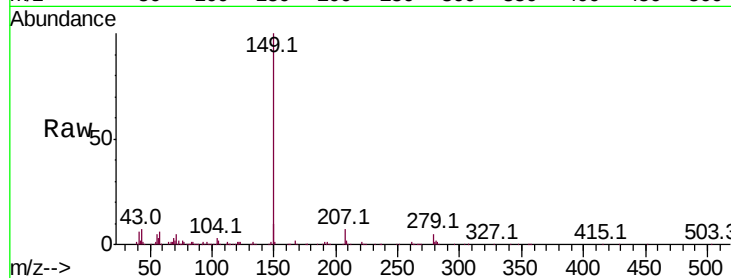
Tot Ion:149 Resp: 250224

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

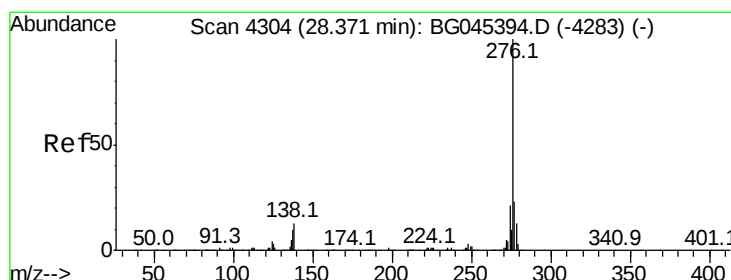
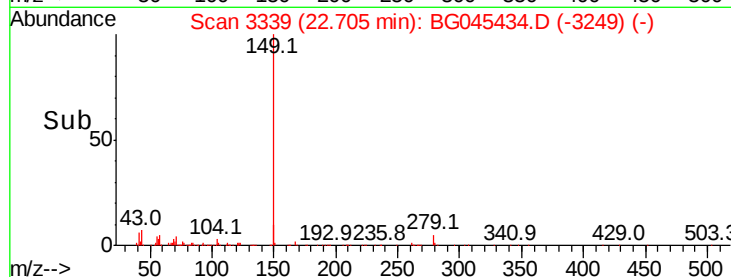
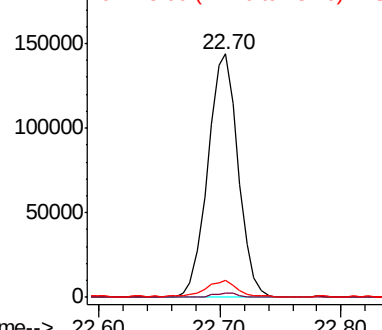
43 7.1 5.8 8.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.595 ng

RT: 28.35 min Scan# 4300

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

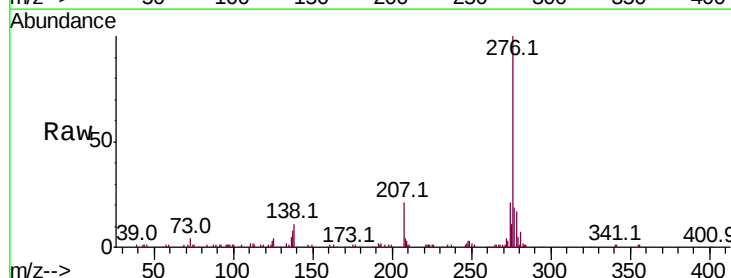
Tgt Ion:276 Resp: 297050

Ion Ratio Lower Upper

276 100

138 7.3 8.6 12.8#

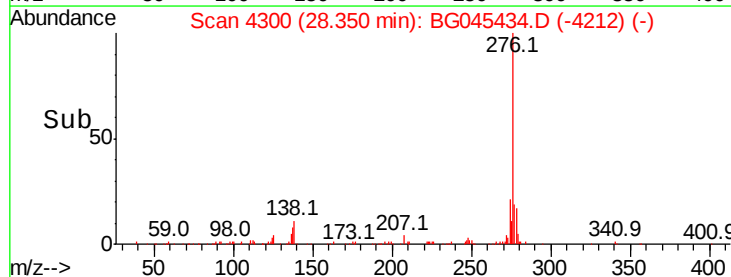
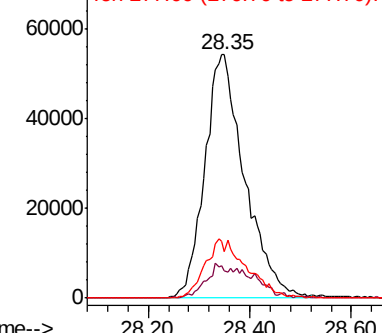
277 11.8 20.2 30.4#

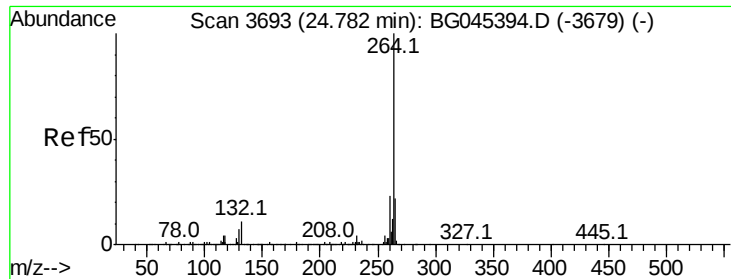


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

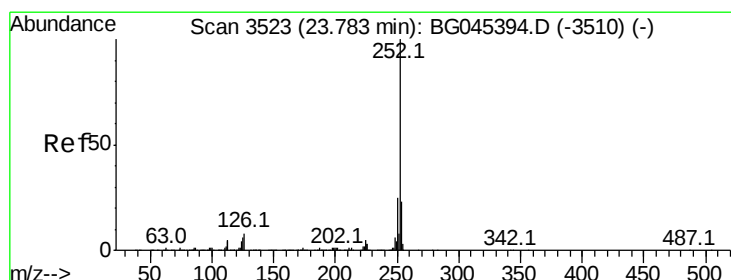
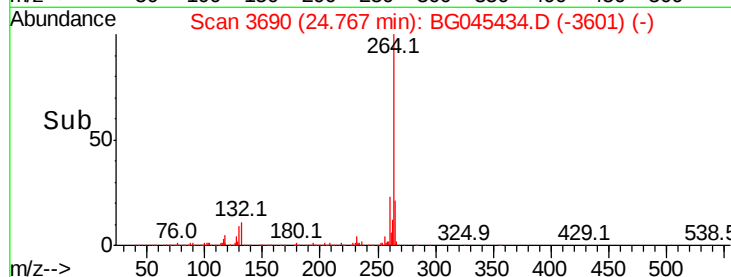
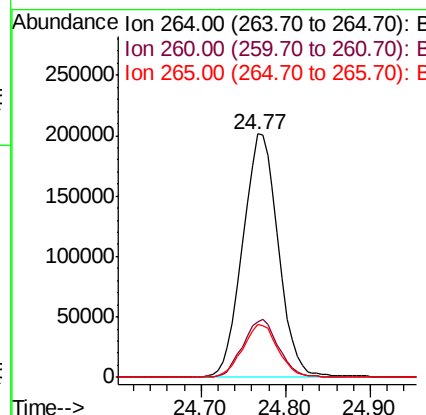
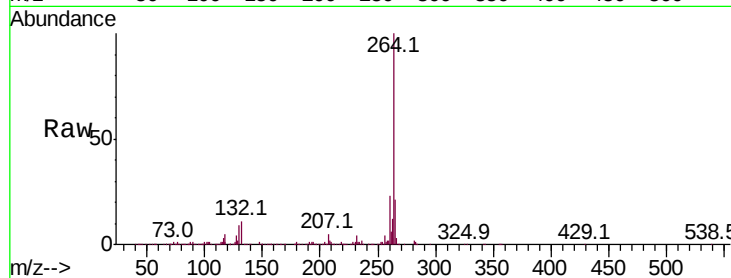




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.77 min Scan# 3690
Delta R.T. -0.01 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

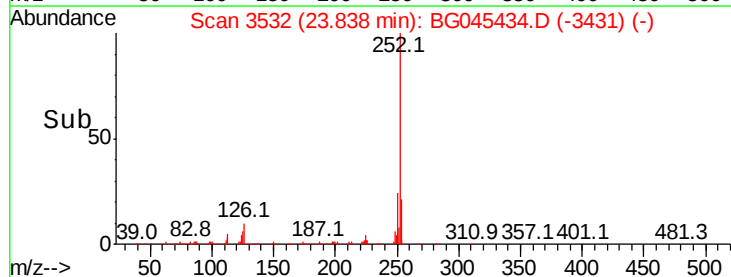
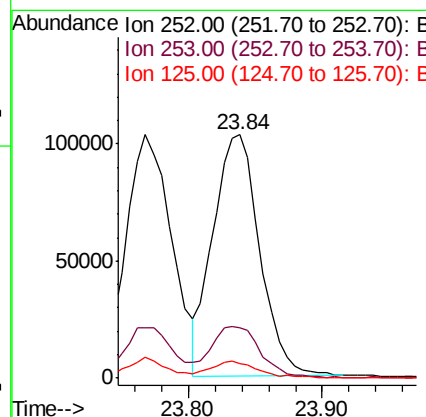
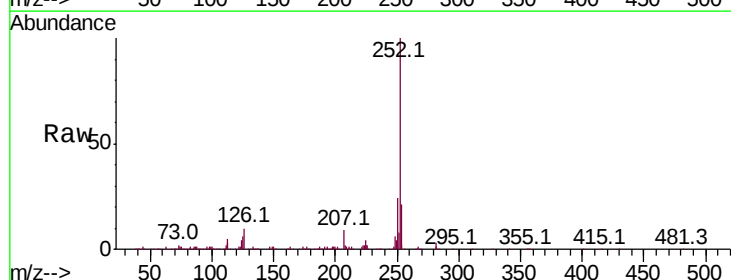
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

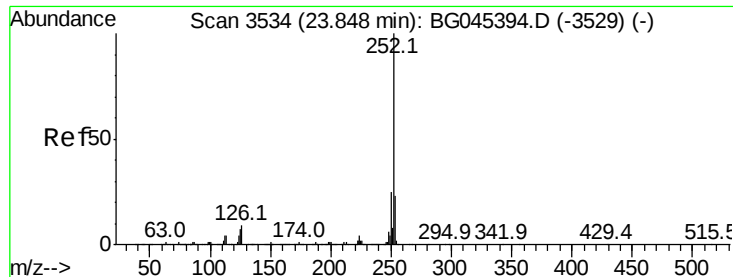
Tot Ion:264 Resp: 587923
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.4
265 21.5 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 8.004 ng
RT: 23.84 min Scan# 3532
Delta R.T. 0.06 min
Lab File: BG045434.D
Acq: 20 May 2020 13:36

Tgt Ion:252 Resp: 252367
Ion Ratio Lower Upper
252 100
253 20.8 18.1 27.1
125 6.1 5.0 7.6





#89

Benzo(k)fluoranthene

Concen: 8.519 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

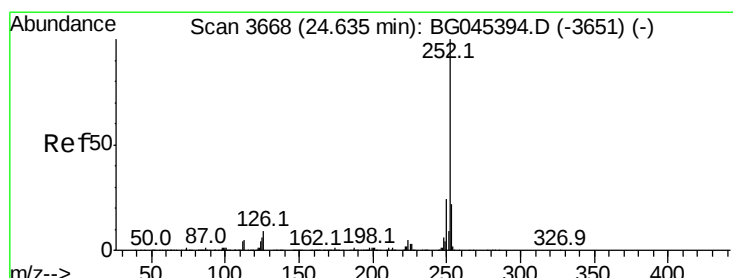
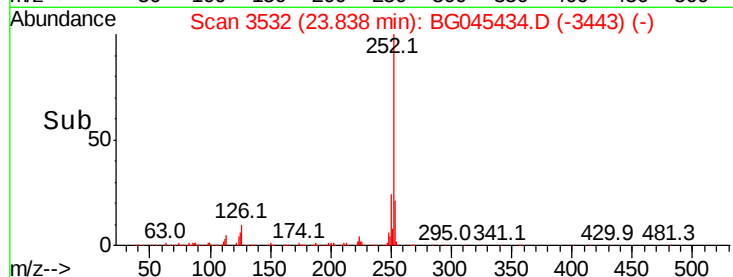
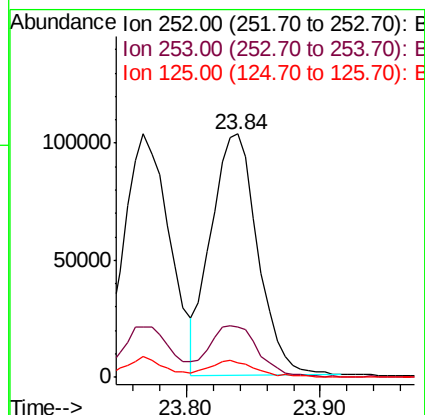
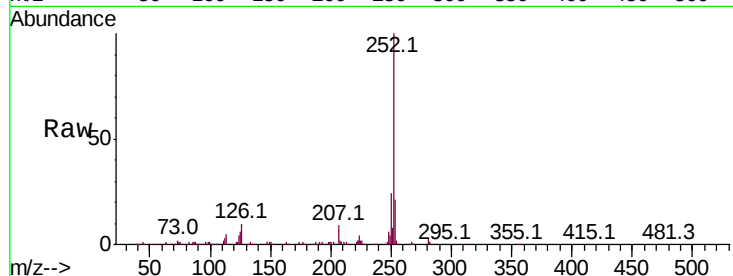
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:252	Resp:	252367
Ion Ratio	Lower	Upper
252	100	
253	20.8	18.4 27.6
125	6.1	5.7 8.5



#90

Benzo(a)pyrene

Concen: 8.061 ng

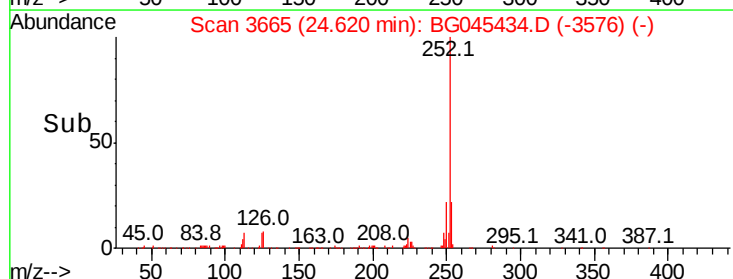
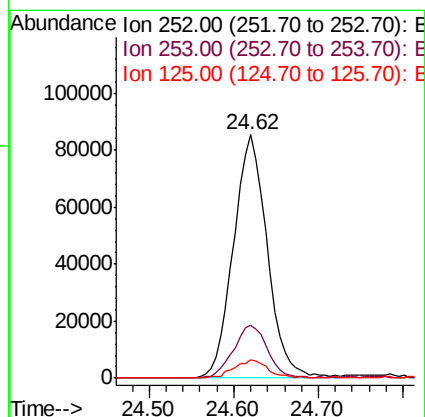
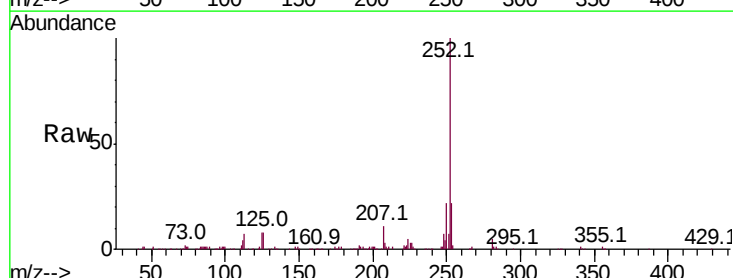
RT: 24.62 min Scan# 3665

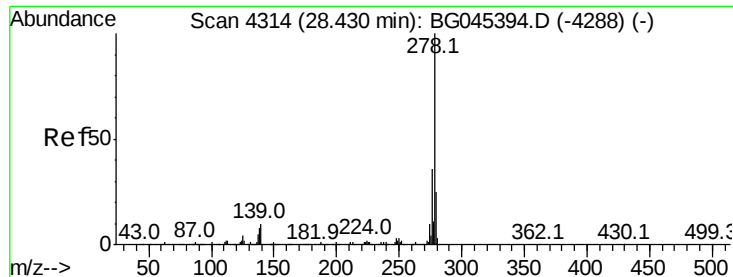
Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Tgt Ion:252	Resp:	236713
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.2 25.8
125	7.6	5.0 7.6#





#91

Dibenzo(a,h)anthracene

Concen: 8.243 ng

RT: 28.41 min Scan# 4310

Delta R.T. -0.01 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT2-2020

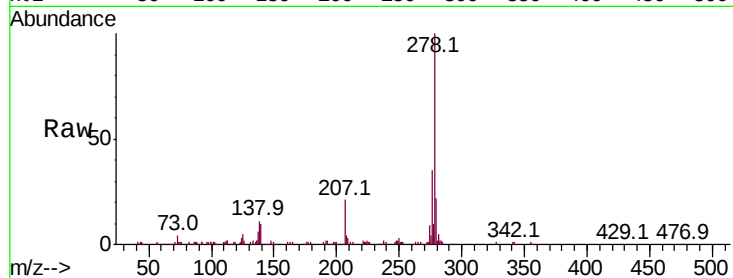
Tot Ion:278 Resp: 243242

Ion Ratio Lower Upper

278 100

139 10.4 7.8 11.8

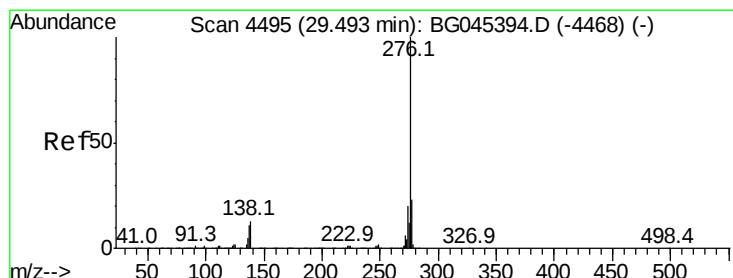
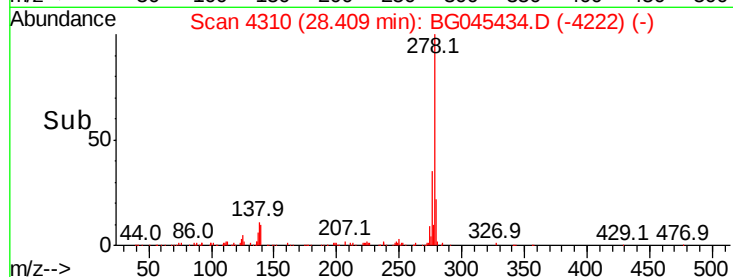
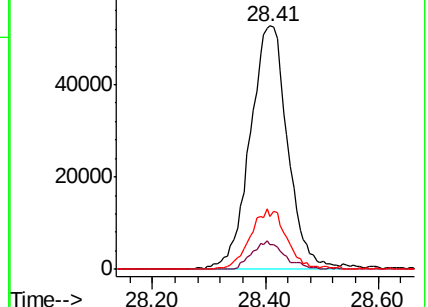
279 21.6 19.8 29.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.262 ng

RT: 29.45 min Scan# 4488

Delta R.T. -0.02 min

Lab File: BG045434.D

Acq: 20 May 2020 13:36

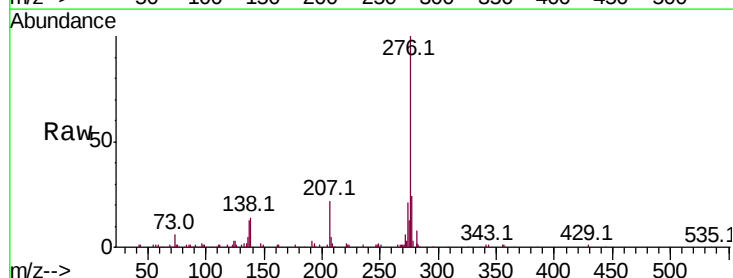
Tgt Ion:276 Resp: 243844

Ion Ratio Lower Upper

276 100

277 23.7 18.1 27.1

138 14.0 10.2 15.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

