

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032544.D
 Acq On : 5 Feb 2018 21:33
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 8PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Quant Time: Feb 06 03:22:59 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	22251	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	91054	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	62241	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	164808	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	229805	20.00	ng	-0.02
86) Perylene-d12	26.07	264	258016	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	6.15	112	115998	104.71	ng	0.00
7) Phenol-d6	7.83	99	131487	88.95	ng	0.00
23) Nitrobenzene-d5	9.90	82	96227	66.01	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	142500	120.28	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	374748	71.56	ng	-0.02
78) Terphenyl-d14	20.61	244	803661	74.91	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.80	88	1698	4.556	ng	83
3) Pyridine	4.26	79	4059	4.033	ng	# 78
4) n-Nitrosodimethylamine	4.17	42	1871	3.571	ng	# 36
8) 2-Chlorophenol	8.26	128	6999	5.345	ng	94
9) Benzaldehyde	7.82	77	3857	5.052	ng	95
10) Phenol	7.85	94	6795	4.840	ng	# 68
11) bis(2-Chloroethyl)ether	8.09	93	4627	4.326	ng	# 75
12) 1,3-Dichlorobenzene	8.75	146	9257	5.227	ng	95
13) 1,4-Dichlorobenzene	8.75	146	9257	5.215	ng	99
14) 1,2-Dichlorobenzene	9.07	146	8693	4.999	ng	91
15) Benzyl Alcohol	8.95	79	4080	3.349	ng	93
16) 2,2'-oxybis(1-Chloropropan	9.22	45	2322	2.291	ng	# 53
17) 2-Methylphenol	9.49	107	5507	4.830	ng	91
18) Hexachloroethane	9.83	117	3323	5.576	ng	# 84
19) n-Nitroso-di-n-propylamine	9.51	70	4268	4.354	ng	# 88
20) 3+4-Methylphenols	9.49	107	5507	3.443	ng	84
22) Acetophenone	9.55	105	9024	4.228	ng	# 95
24) Nitrobenzene	9.96	77	7494	5.316	ng	# 92
25) Isophorone	10.47	82	13507	5.442	ng	# 86
26) 2-Nitrophenol	10.68	139	4263	5.003	ng	# 69
27) 2,4-Dimethylphenol	10.71	122	6442	5.267	ng	97
28) bis(2-Chloroethoxy)methane	10.95	93	6998	5.141	ng	# 93
29) 2,4-Dichlorophenol	11.22	162	8597	5.306	ng	78
30) 1,2,4-Trichlorobenzene	11.44	180	10312	4.775	ng	93
31) Naphthalene	11.64	128	24532	5.516	ng	95
32) Benzoic acid	10.84	122	260	7.525	ng	# 45
34) Hexachlorobutadiene	11.91	225	8805	5.241	ng	88
35) Caprolactam	12.45	113	2279	4.900	ng	# 30
36) 4-Chloro-3-methylphenol	12.82	107	7303	4.752	ng	# 92
37) 2-Methylnaphthalene	13.20	142	19209	5.141	ng	92
39) 1,2,4,5-Tetrachlorobenzene	13.56	216	16006	5.497	ng	# 92
40) Hexachlorocyclopentadiene	13.53	237	7609	4.182	ng	# 68
42) 2,4,6-Trichlorophenol	13.86	196	9869	6.231	ng	96
43) 2,4,5-Trichlorophenol	13.86	196	9869	5.345	ng	# 93

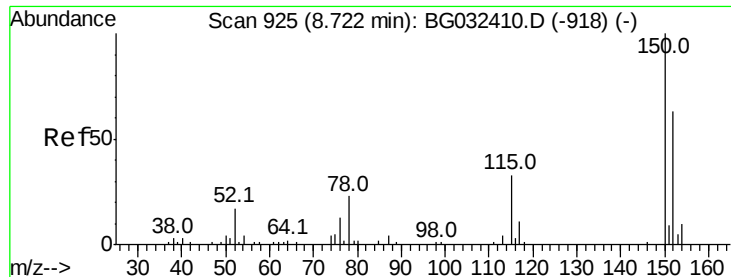
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	14.18	154	27573	5.244	nq	95
46) 2-Chloronaphthalene	14.23	162	22268	5.403	nq	97
47) 2-Nitroaniline	14.44	65	4412	4.841	nq	96
48) Acenaphthylene	15.07	152	31151	5.000	nq	99
49) Dimethylphthalate	14.77	163	28906	5.037	nq	# 95
50) 2,6-Dinitrotoluene	14.90	165	5421	4.501	nq	# 77
51) Acenaphthene	15.40	154	19800	4.582	nq	94
52) 3-Nitroaniline	15.25	138	3321	3.157	nq	# 61
53) 2,4-Dinitrophenol	15.44	184	64	4.185	nq	# 57
54) Dibenzofuran	15.74	168	35811	5.599	nq	98
55) 4-Nitrophenol	15.55	139	2893	3.673	nq	# 73
56) 2,4-Dinitrotoluene	15.68	165	8115	4.732	nq	# 67
57) Fluorene	16.38	166	27913	5.252	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.95	232	10627	5.836	nq	# 85
59) Diethylphthalate	16.11	149	30615	5.477	nq	96
60) 4-Chlorophenyl-phenylether	16.36	204	18128	5.409	nq	87
61) 4-Nitroaniline	16.40	138	5248	4.654	nq	# 76
62) Azobenzene	16.65	77	17751	5.314	nq	86
65) n-Nitrosodiphenylamine	16.57	169	25939	5.274	nq	95
66) 4-Bromophenyl-phenylether	17.25	248	13589	5.566	nq	96
67) Hexachlorobenzene	17.38	284	14929	5.525	nq	# 83
68) Atrazine	17.49	200	11808	5.593	nq	94
69) Pentachlorophenol	17.72	266	4467	2.639	nq	89
70) Phenanthrene	18.12	178	51345	5.587	nq	97
71) Anthracene	18.21	178	53625	5.860	nq	95
72) Carbazole	18.48	167	44309	5.480	nq	98
73) Di-n-butylphthalate	18.97	149	52215	5.833	nq	96
74) Fluoranthene	20.08	202	72198	5.990	nq	93
77) Pvrene	20.44	202	70104	4.974	nq	99
79) Butylbenzylphthalate	21.30	149	23361	5.255	nq	# 79
80) Benzo(a)anthracene	22.38	228	77654	5.451	nq	94
81) 3,3'-Dichlorobenzidine	22.28	252	15017	2.721	nq	# 95
82) Chrysene	22.45	228	74503	5.415	nq	97
83) Bis(2-ethylhexyl)phthalate	22.22	149	33125	5.255	nq	# 94
84) Di-n-octyl phthalate	23.59	149	56127	5.614	nq	# 90
85) Indeno(1,2,3-cd)pyrene	30.31	276	41052	2.359	nq	# 83
87) Benzo(b)fluoranthene	24.90	252	78216	5.017	nq	# 96
88) Benzo(k)fluoranthene	24.97	252	79959	5.177	nq	# 95
89) Benzo(a)pyrene	25.90	252	78049	5.251	nq	# 91
90) Dibenzo(a,h)anthracene	30.39	278	77998	5.130	nq	# 94
91) Benzo(g,h,i)perylene	31.64	276	80587	5.340	nq	# 89

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

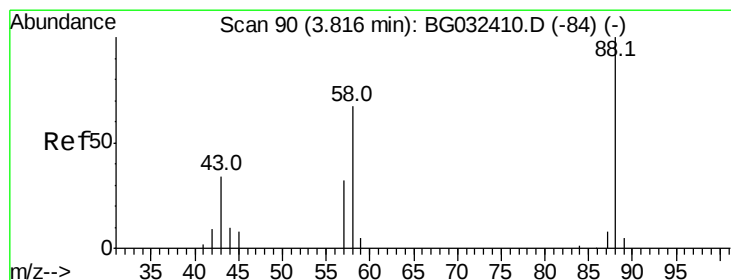
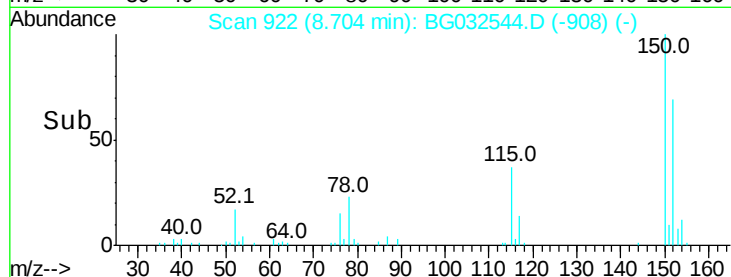
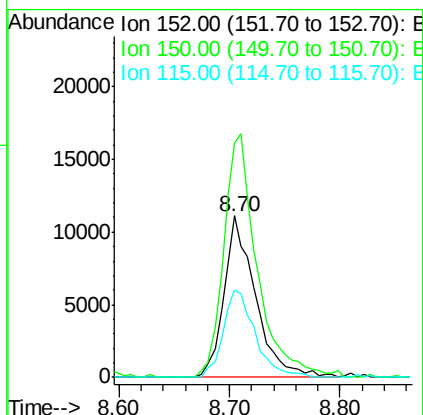
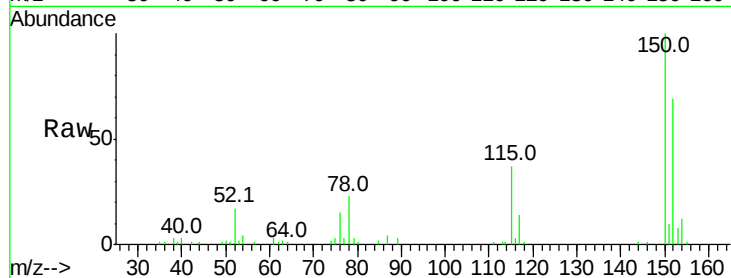


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.70 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

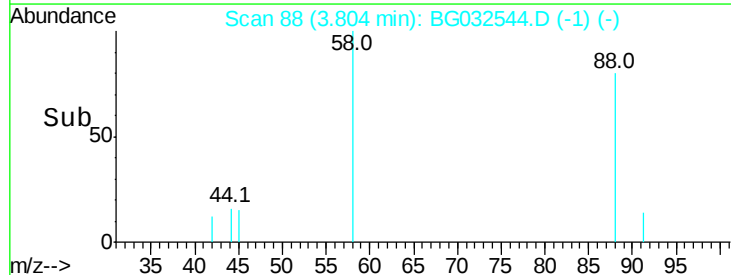
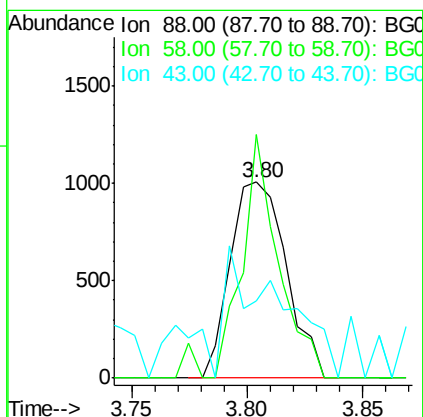
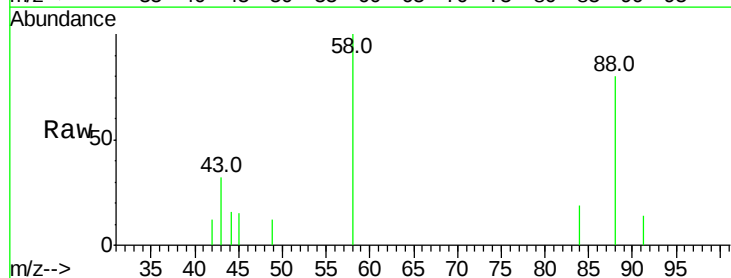
Tot Ion:152 Resp: 22251
 Ion Ratio Lower Upper
 152 100
 150 145.6 126.6 189.8
 115 54.5 53.0 79.4

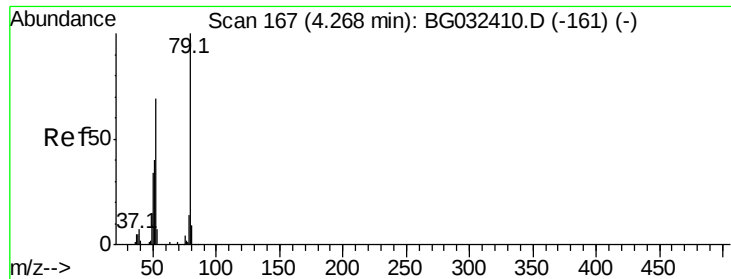


#2

1,4-Dioxane
 Concen: 4.556 ng
 RT: 3.80 min Scan# 88
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion: 88 Resp: 1698
 Ion Ratio Lower Upper
 88 100
 58 80.0 79.6 119.4
 43 29.7 27.4 41.0





#3

Pvridine

Concen: 4.033 ng

RT: 4.26 min Scan# 165

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

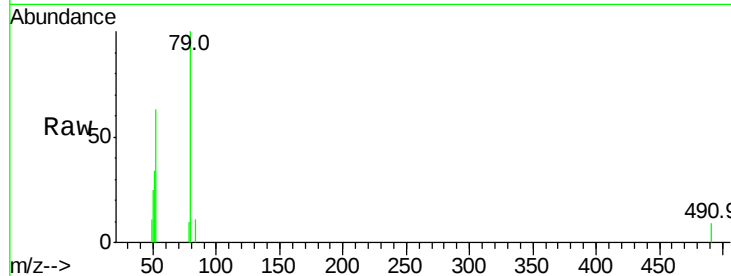
Tot Ion: 79 Resp: 4059

Ion Ratio Lower Upper

79 100

52 62.7 69.9 104.9#

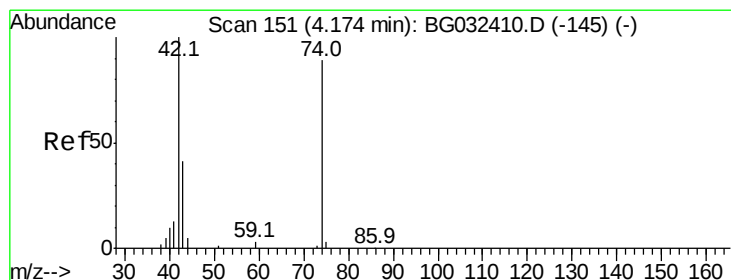
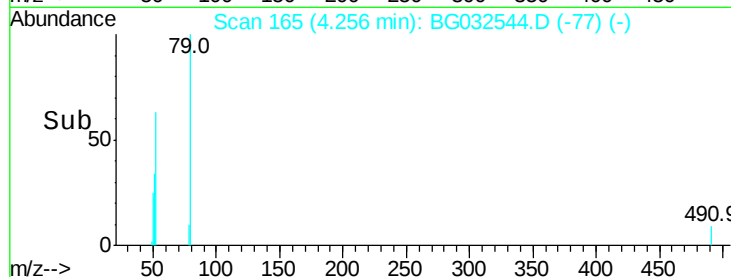
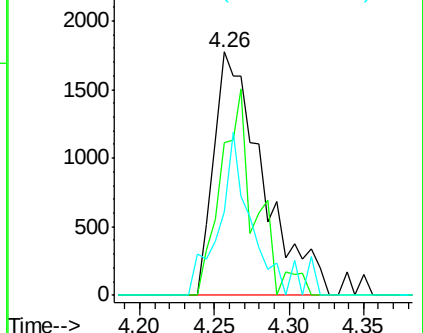
51 34.4 34.0 51.0



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 3.571 ng

RT: 4.17 min Scan# 150

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

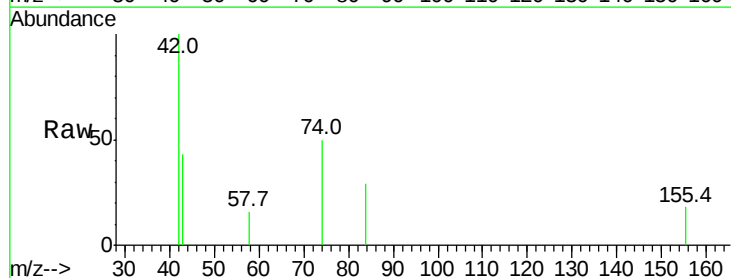
Tgt Ion: 42 Resp: 1871

Ion Ratio Lower Upper

42 100

74 50.2 102.5 153.7#

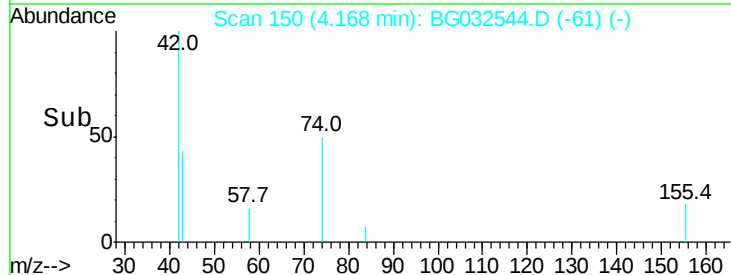
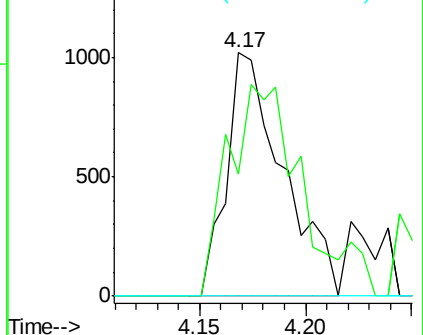
44 0.0 18.9 28.3#

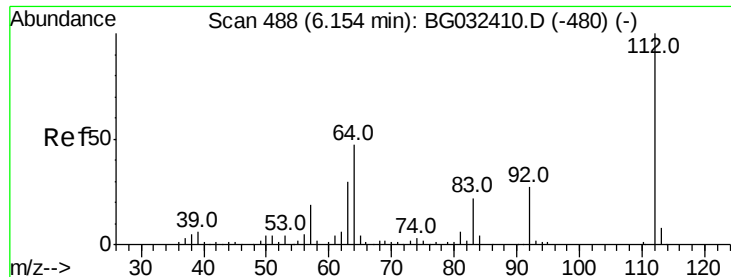


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 104.709 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

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ClientSampleId :

MDL-SOIL-03-QT1-2018

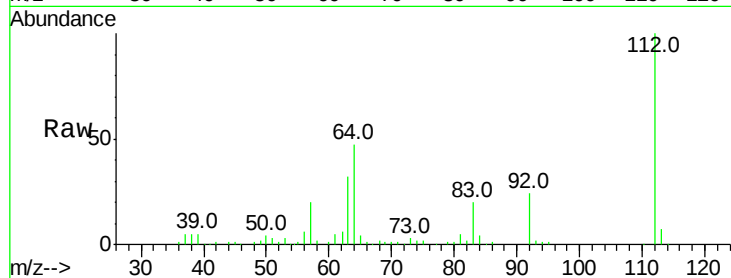
Tot Ion:112 Resp: 115998

Ion Ratio Lower Upper

112 100

64 47.4 56.3 84.5#

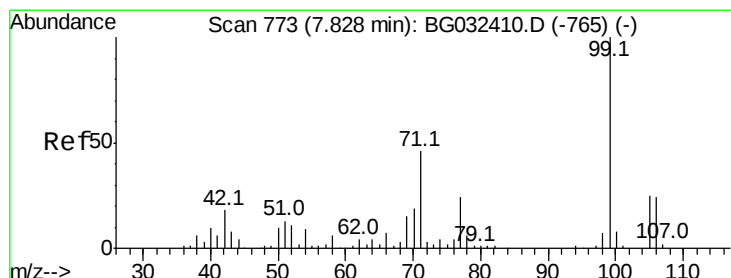
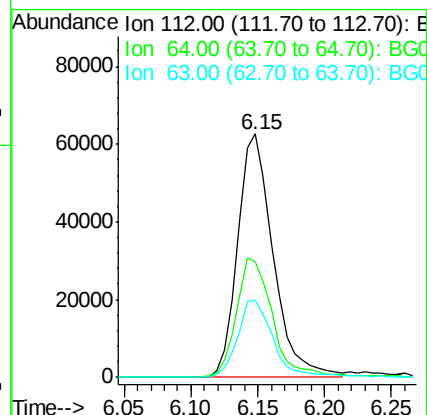
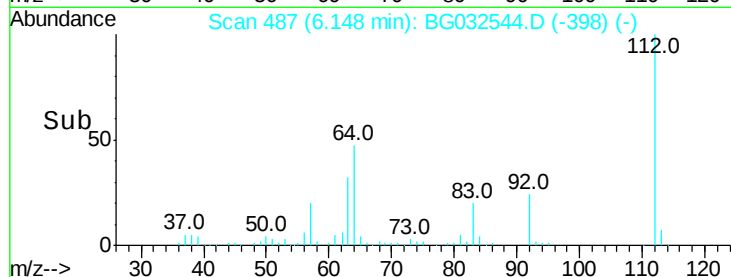
63 31.6 30.1 45.1



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



#7

Phenol-d6

Concen: 88.946 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

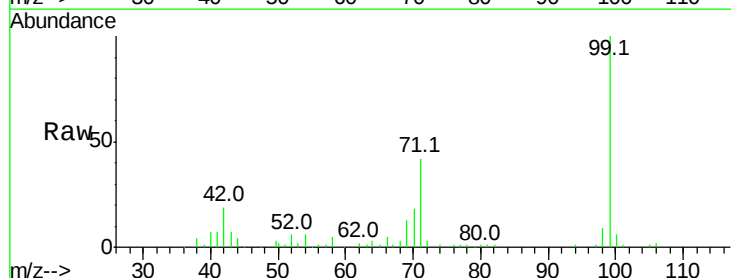
Tgt Ion: 99 Resp: 131487

Ion Ratio Lower Upper

99 100

42 18.8 14.1 21.1

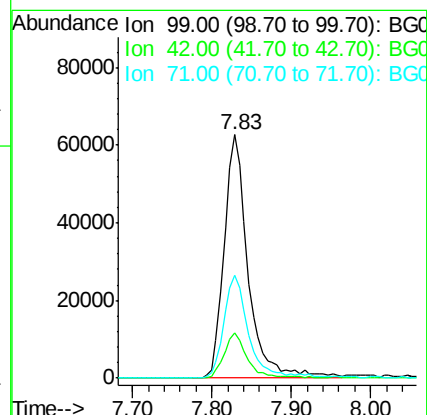
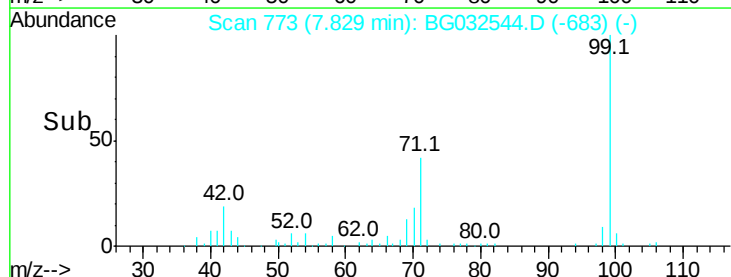
71 42.3 26.1 39.1#

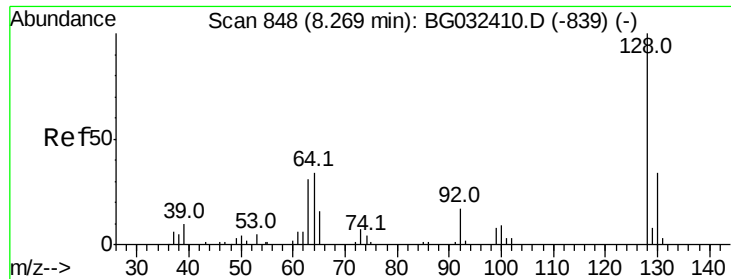


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#8

2-Chlorophenol

Concen: 5.345 ng

RT: 8.26 min Scan# 846

Delta R.T. -0.01 min

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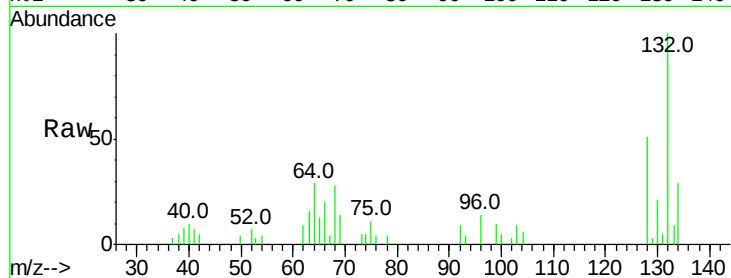
Tot Ion:128 Resp: 6999

Ion Ratio Lower Upper

128 100

130 40.7 14.0 54.0

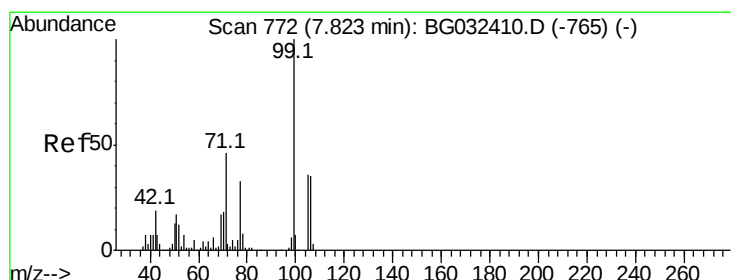
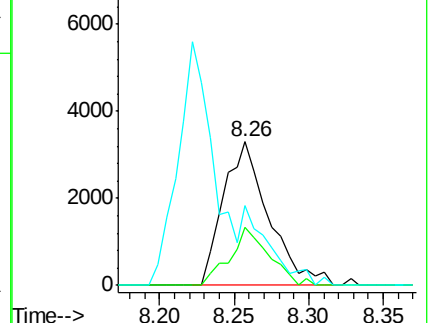
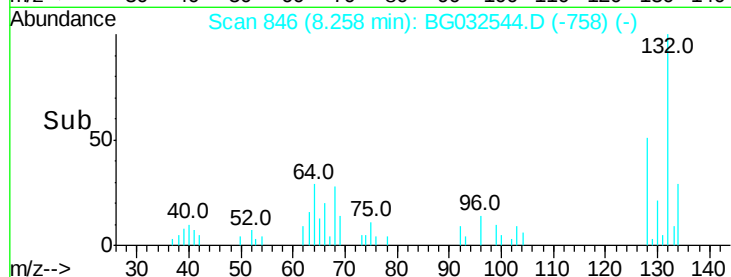
64 55.6 37.7 77.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 5.052 ng

RT: 7.82 min Scan# 771

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

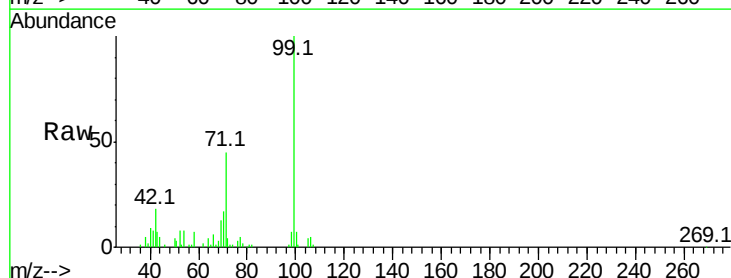
Tgt Ion: 77 Resp: 3857

Ion Ratio Lower Upper

77 100

105 89.1 71.3 111.3

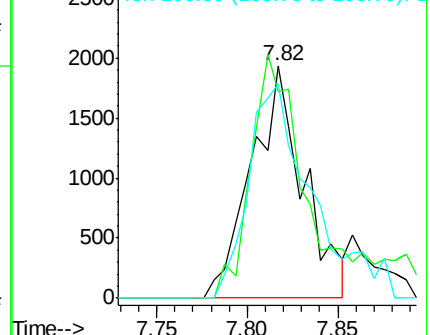
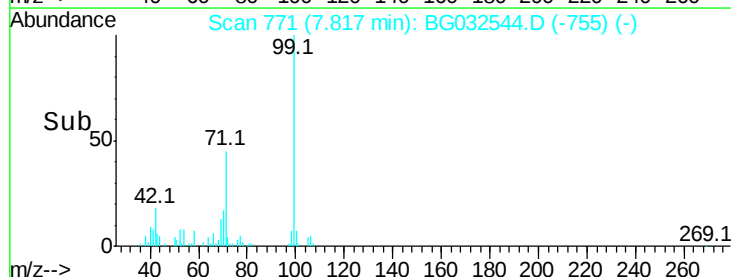
106 92.3 64.2 104.2

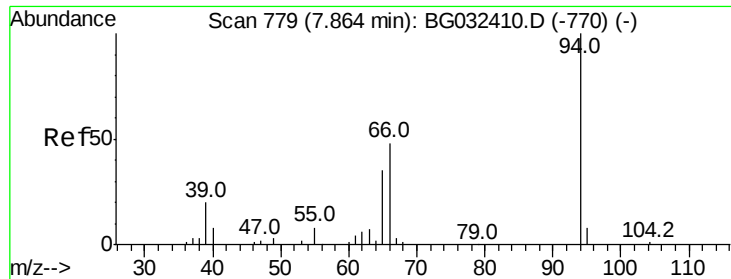


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.840 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

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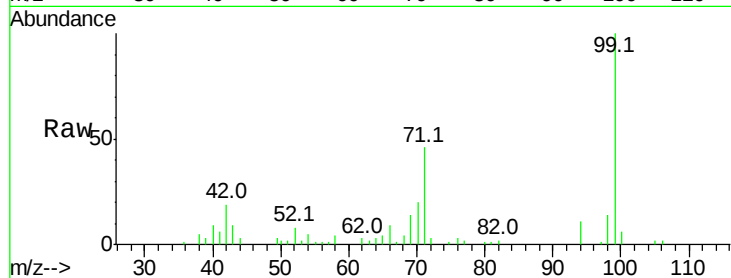
Tot Ion: 94 Resp: 6795

Ion Ratio Lower Upper

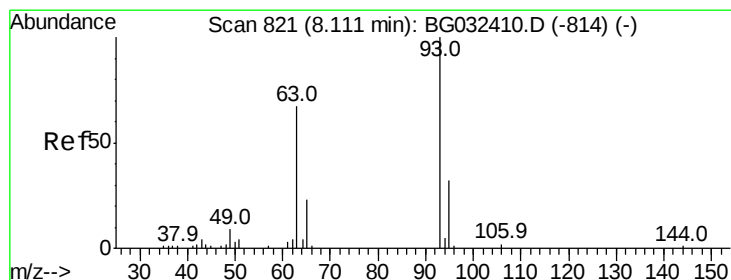
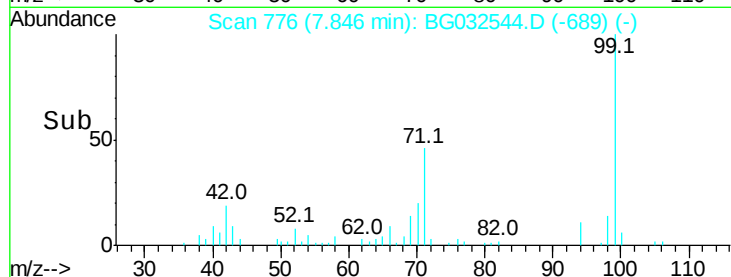
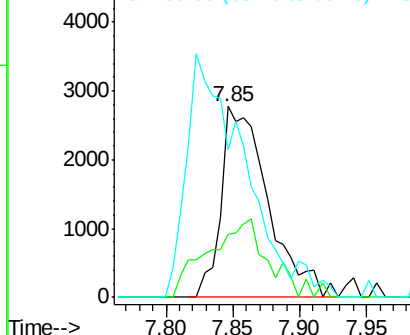
94 100

65 33.2 11.9 51.9

66 77.0 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 4.326 ng

RT: 8.09 min Scan# 818

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

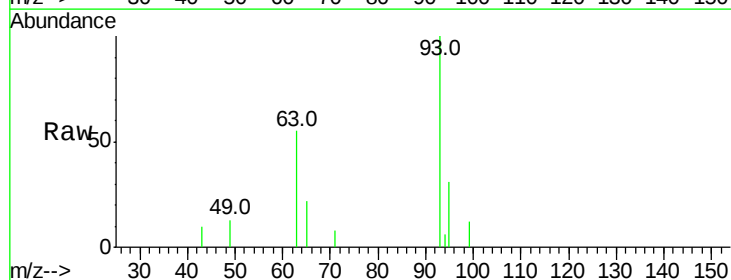
Tgt Ion: 93 Resp: 4627

Ion Ratio Lower Upper

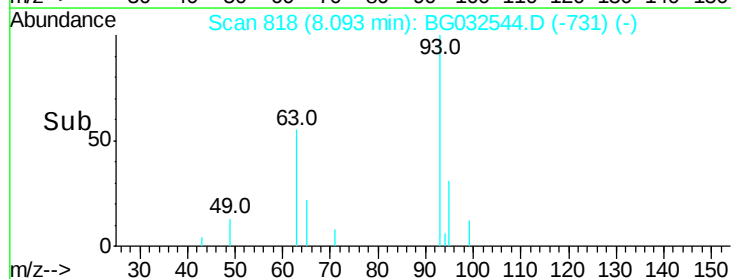
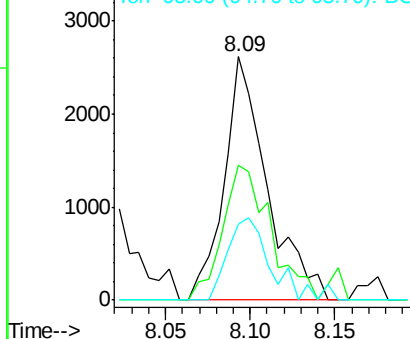
93 100

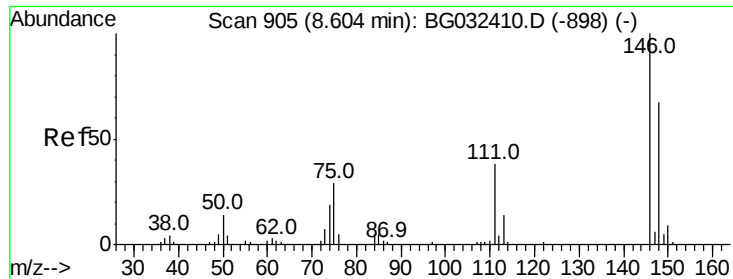
63 55.4 67.1 107.1#

95 31.4 11.5 51.5



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





#12

1,3-Dichlorobenzene

Concen: 5.227 ng

RT: 8.75 min Scan# 929

Delta R.T. 0.14 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

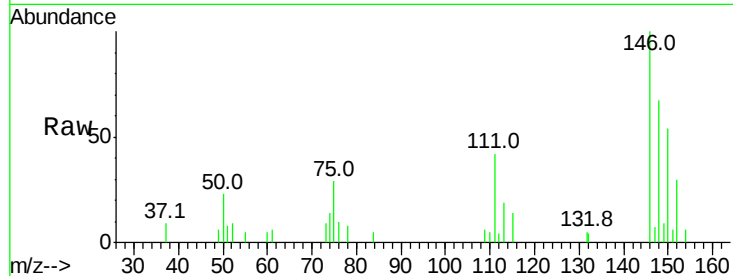
Tot Ion:146 Resp: 9257

Ion Ratio Lower Upper

146 100

148 67.2 51.4 77.2

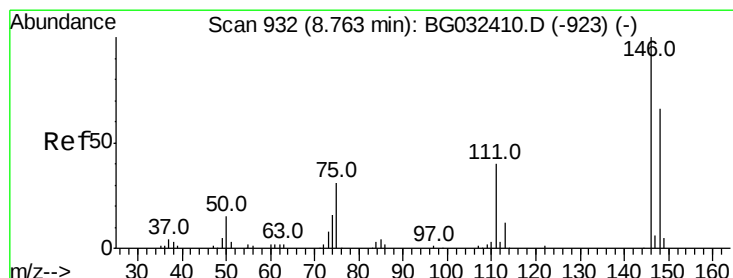
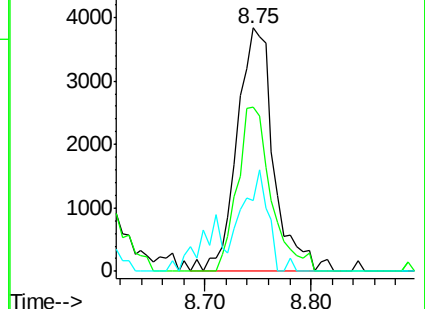
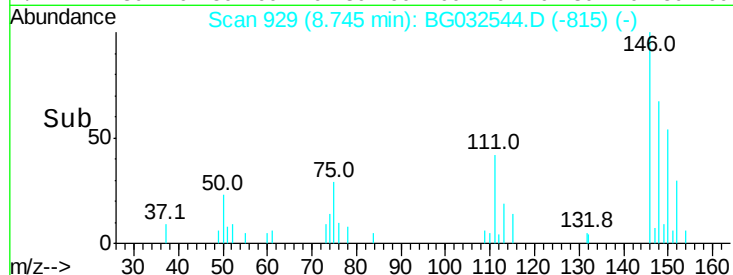
75 29.2 26.6 39.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): B



#13

1,4-Dichlorobenzene

Concen: 5.215 ng

RT: 8.75 min Scan# 929

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

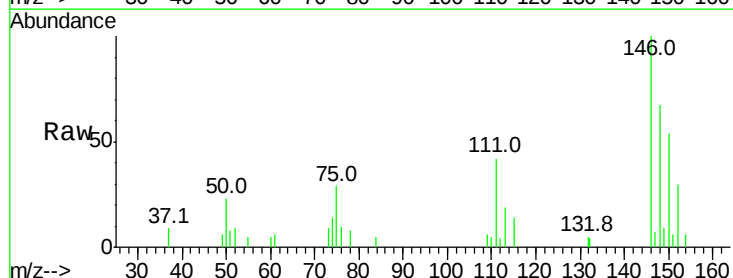
Tgt Ion:146 Resp: 9257

Ion Ratio Lower Upper

146 100

148 67.2 53.7 80.5

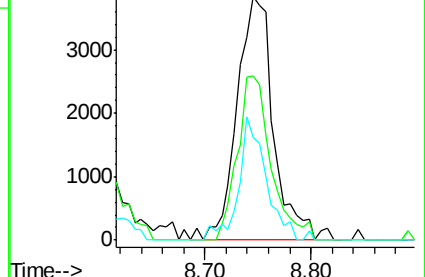
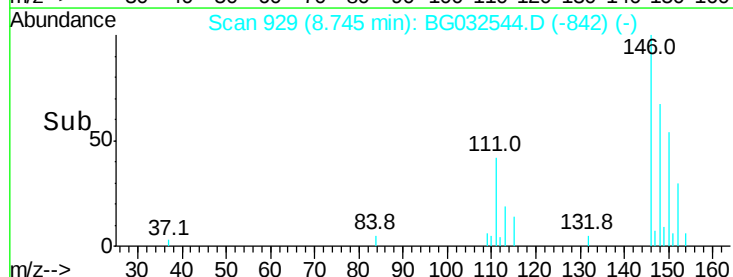
111 42.3 35.2 52.8

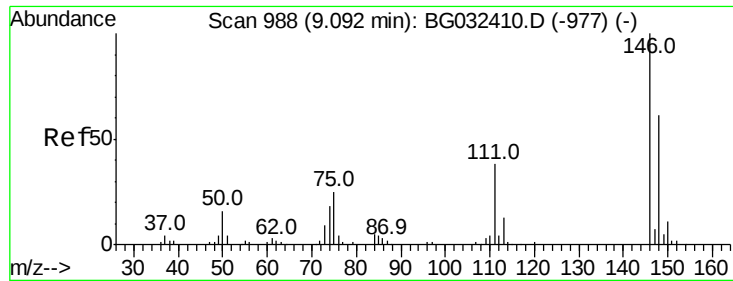


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 4.999 ng

RT: 9.07 min Scan# 984

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

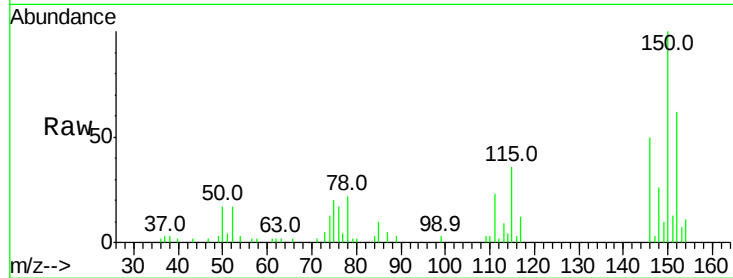
Tot Ion:146 Resp: 8693

Ion Ratio Lower Upper

146 100

148 52.1 49.3 73.9

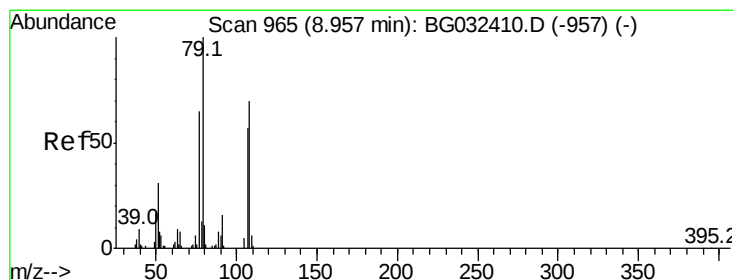
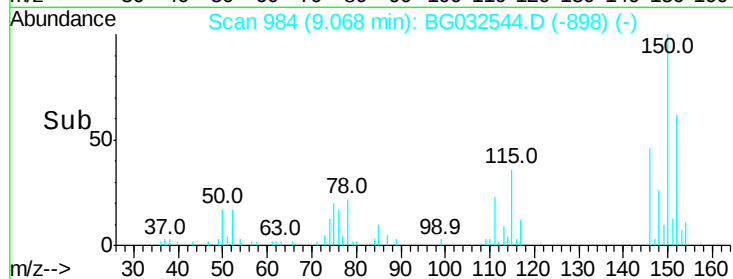
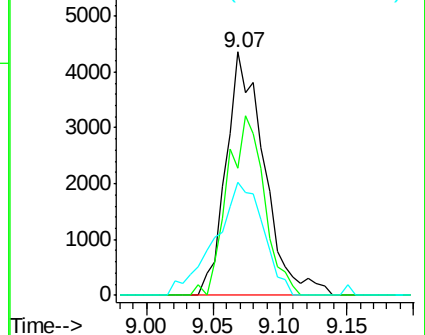
111 46.2 34.3 51.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 3.349 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

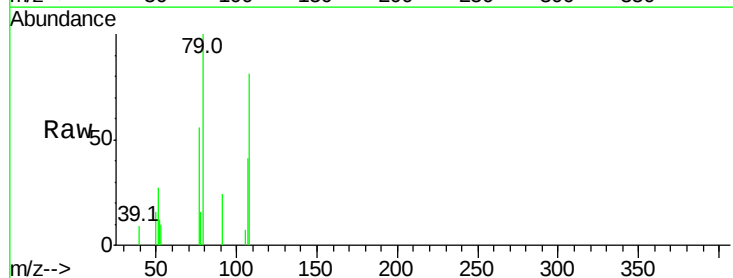
Tgt Ion: 79 Resp: 4080

Ion Ratio Lower Upper

79 100

108 80.8 57.2 85.8

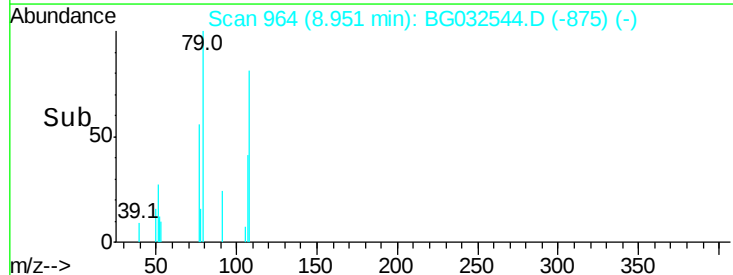
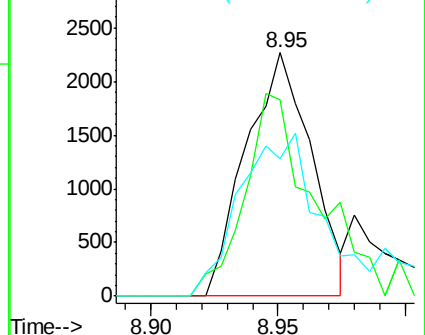
77 56.4 46.1 69.1

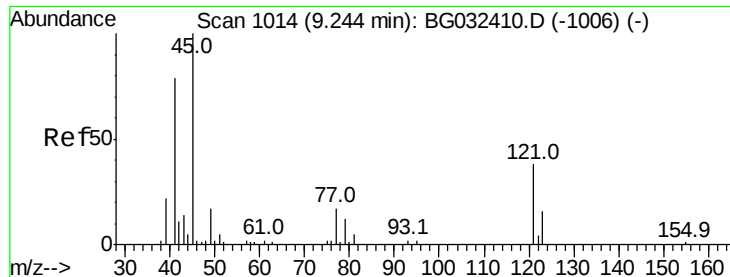


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

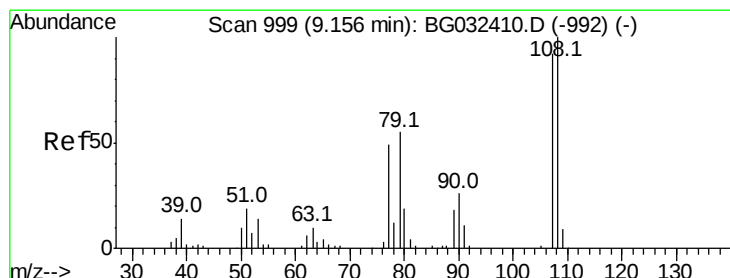
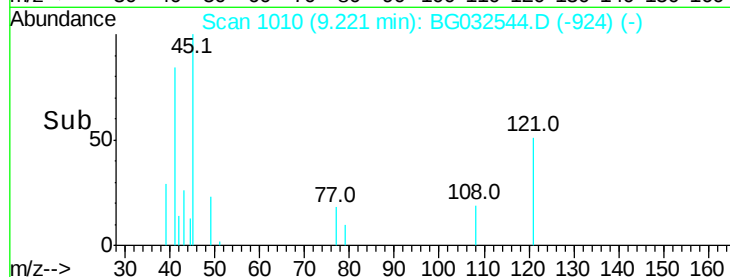
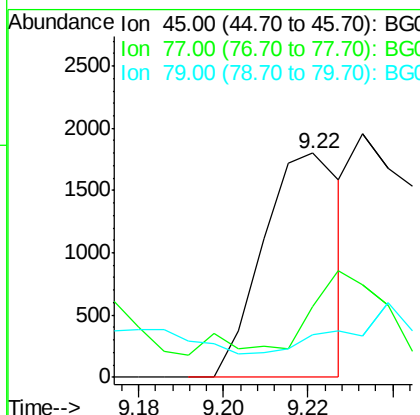
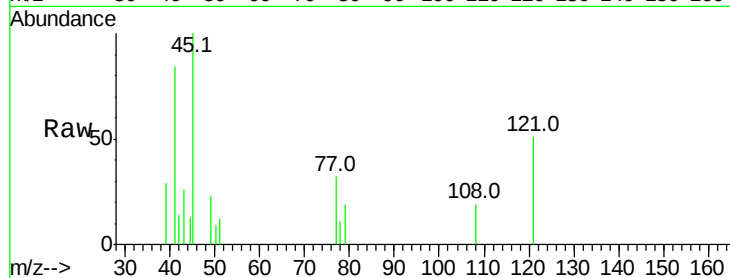




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.291 ng
RT: 9.22 min Scan# 1010
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

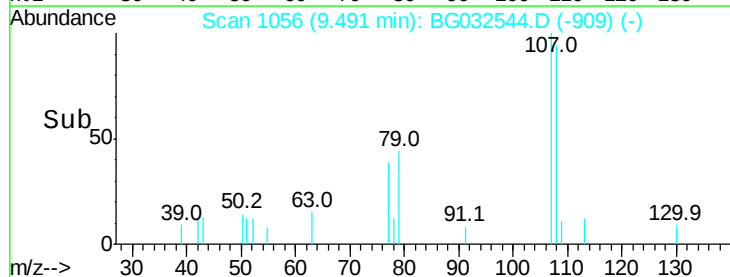
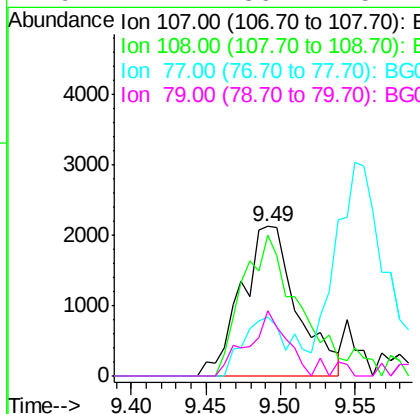
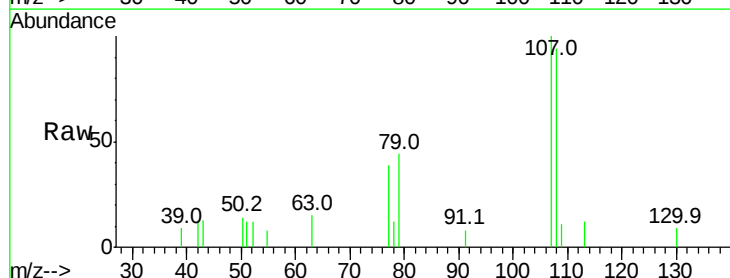
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

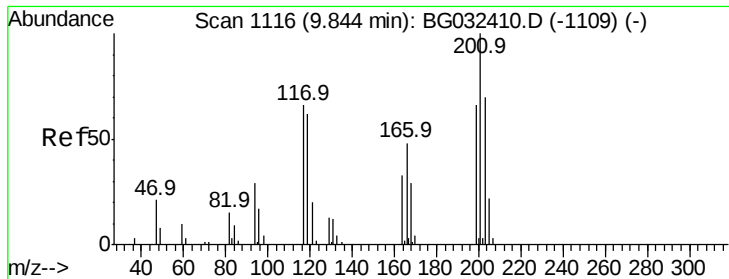
Tot Ion: 45 Resp: 2322
Ion Ratio Lower Upper
45 100
77 31.9 0.0 30.2#
79 19.2 0.0 27.9



#17
2-Methylphenol
Concen: 4.830 ng
RT: 9.49 min Scan# 1056
Delta R.T. 0.34 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion: 107 Resp: 5507
Ion Ratio Lower Upper
107 100
108 94.1 83.9 125.9
77 39.1 37.2 55.8
79 44.1 36.2 54.2

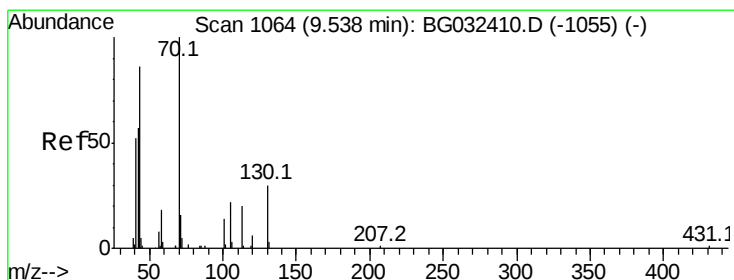
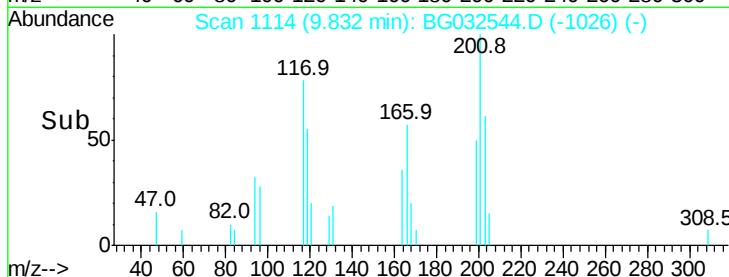
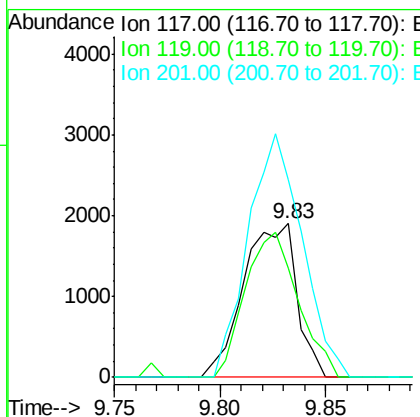
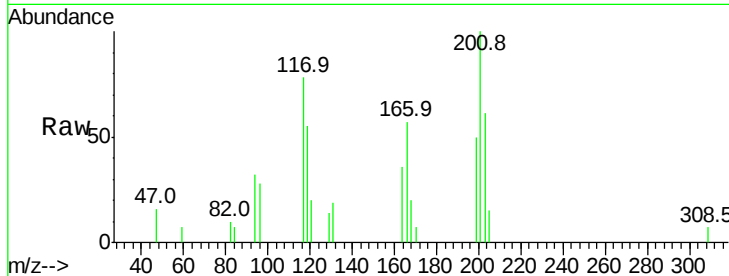




#18
Hexachloroethane
Concen: 5.576 ng
RT: 9.83 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

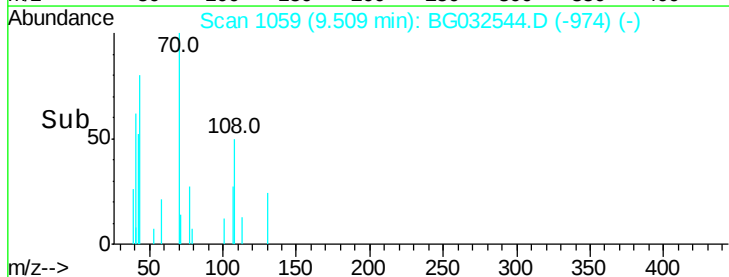
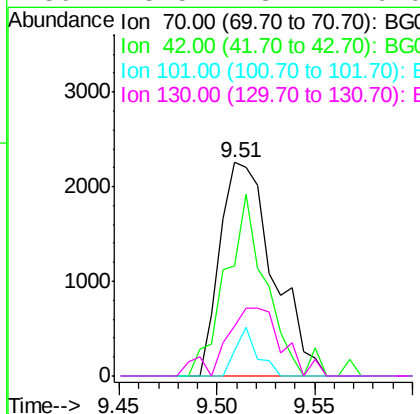
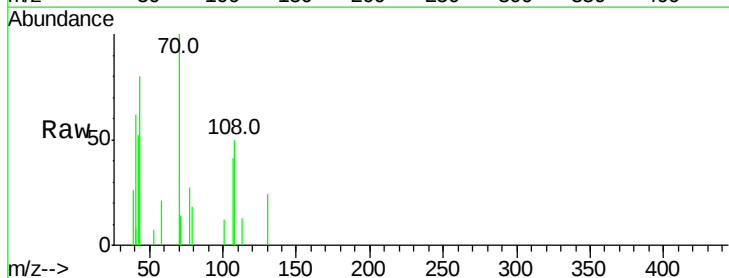
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

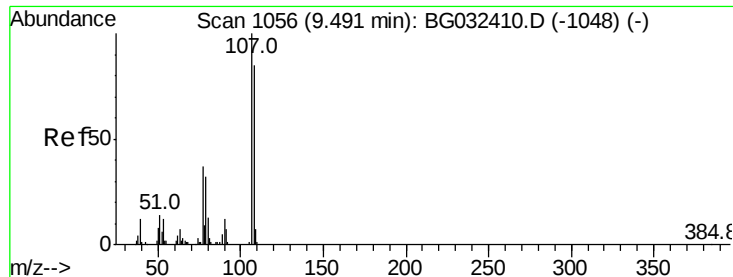
Tot Ion:117 Resp: 3323
Ion Ratio Lower Upper
117 100
119 71.1 76.7 115.1#
201 128.6 95.7 143.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.354 ng
RT: 9.51 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion: 70 Resp: 4268
Ion Ratio Lower Upper
70 100
42 51.6 49.1 73.7
101 12.0 8.5 12.7
130 23.5 13.4 20.0#





#20

3+4-Methylphenols

Concen: 3.443 ng

RT: 9.49 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:107 Resp: 5507

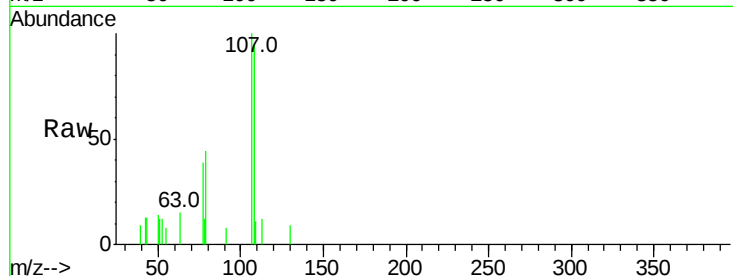
Ion Ratio Lower Upper

107 100

108 94.1 61.6 101.6

77 39.1 13.9 53.9

79 44.1 8.8 48.8

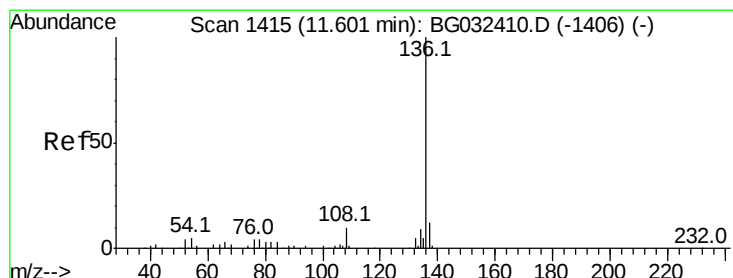
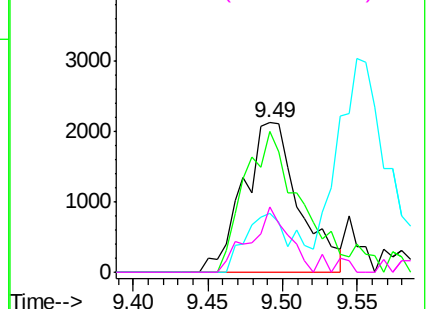
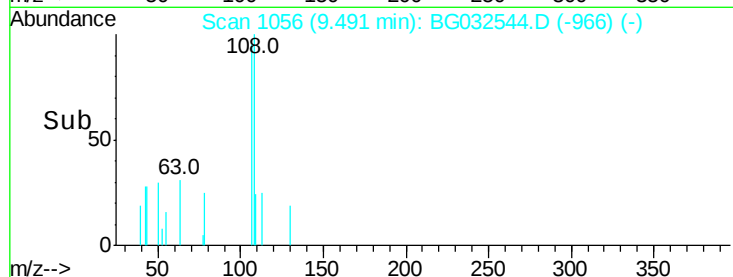


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Tgt Ion:136 Resp: 91054

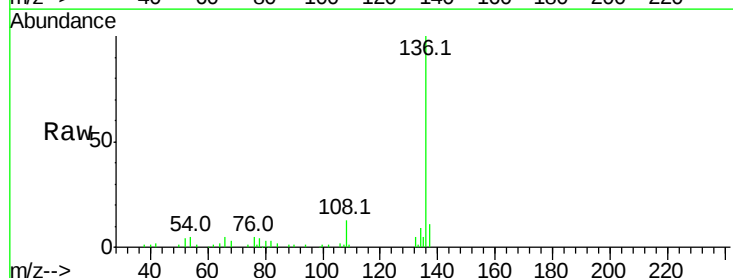
Ion Ratio Lower Upper

136 100

137 11.2 9.2 13.8

54 4.9 10.3 15.5#

68 2.9 4.5 6.7#

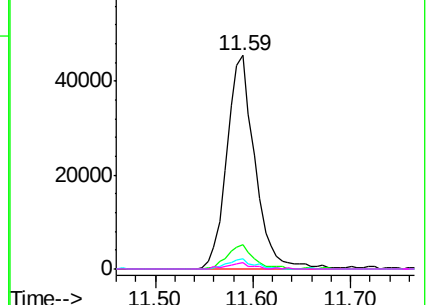
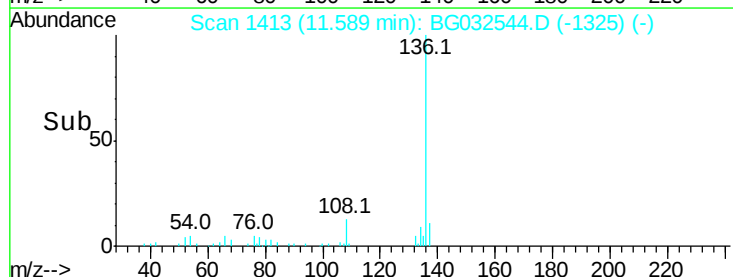


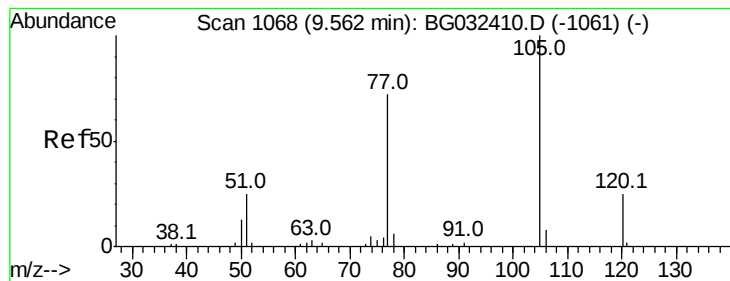
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 4.228 ng

RT: 9.55 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:105 Resp: 9024

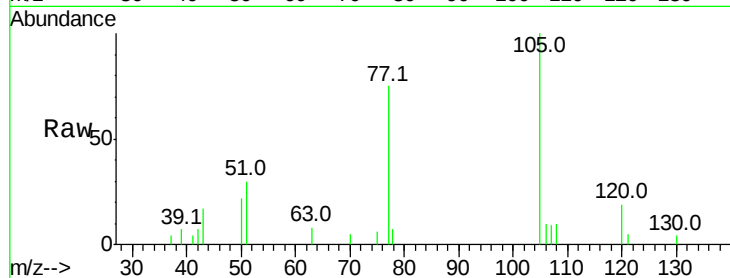
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 30.3 26.1 39.1

120 18.8 17.4 26.2

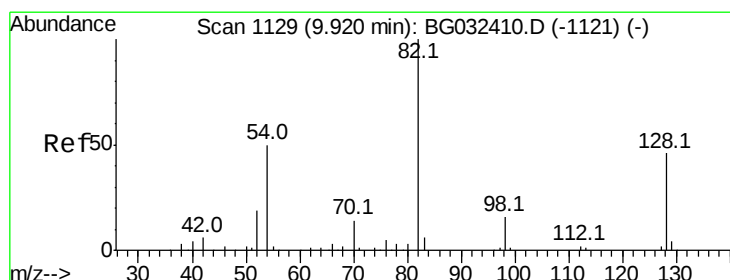
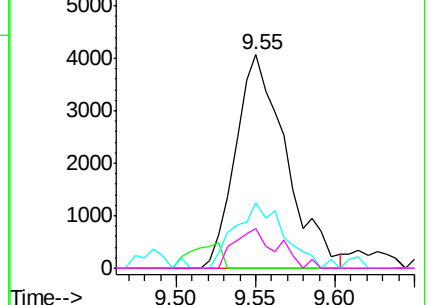
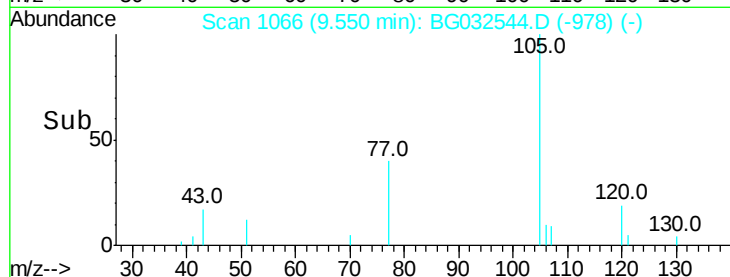


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 66.009 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

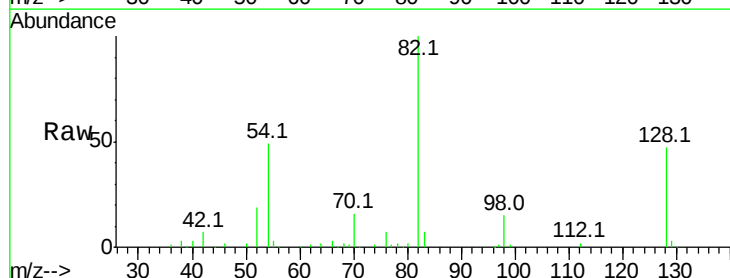
Tgt Ion: 82 Resp: 96227

Ion Ratio Lower Upper

82 100

128 47.0 29.7 44.5#

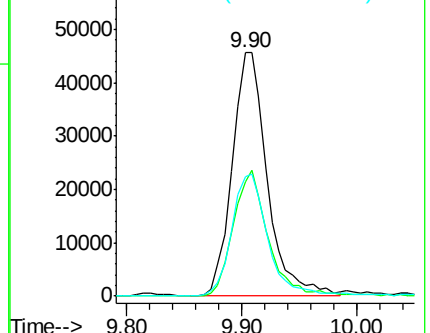
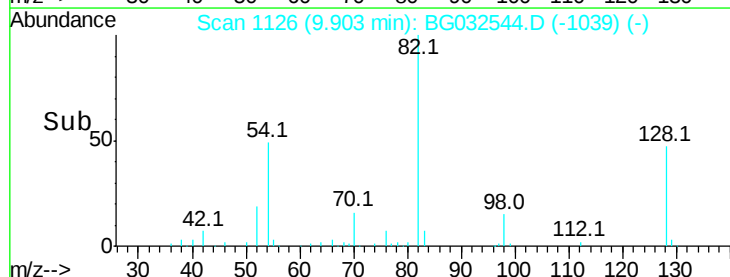
54 49.2 43.1 64.7

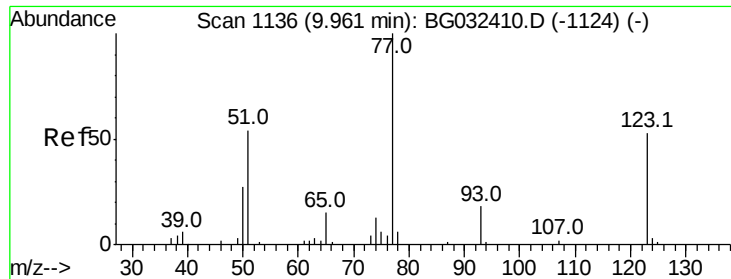


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

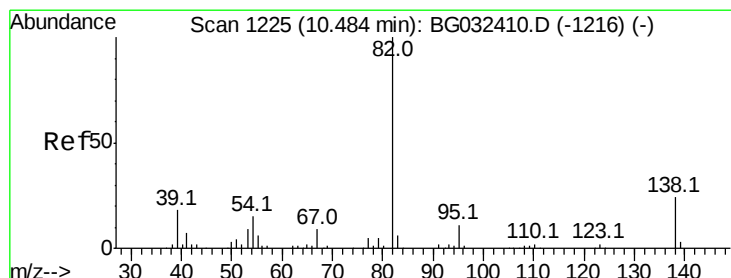
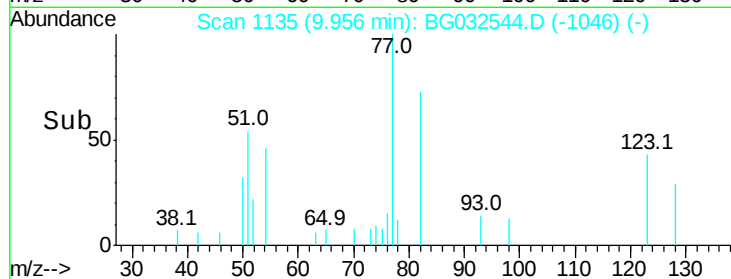
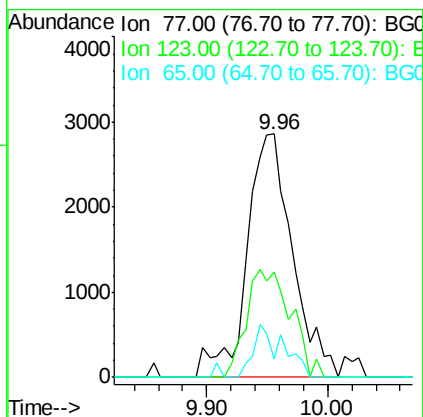
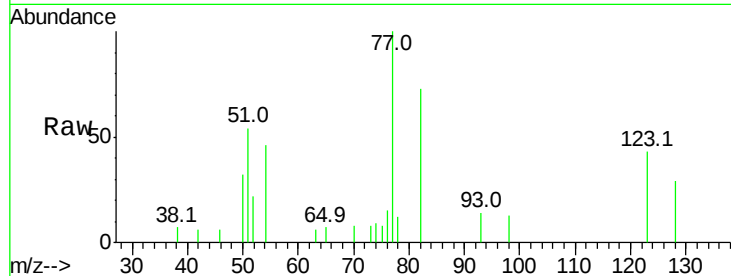




#24
Nitrobenzene
Concen: 5.316 ng
RT: 9.96 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

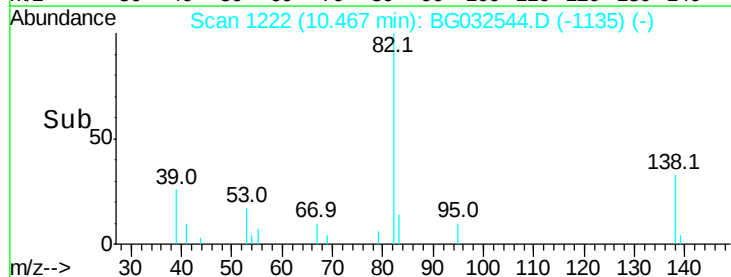
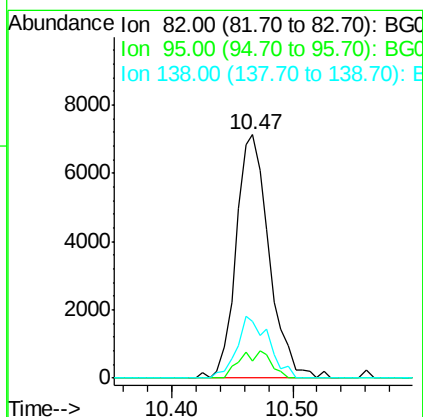
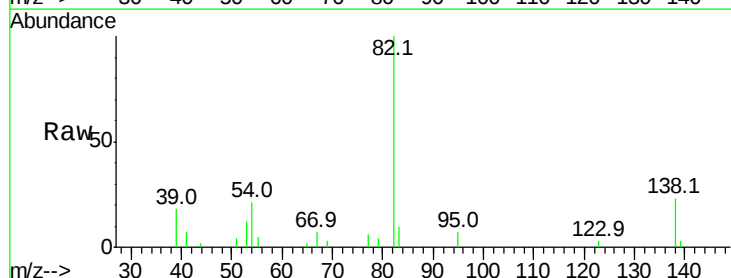
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

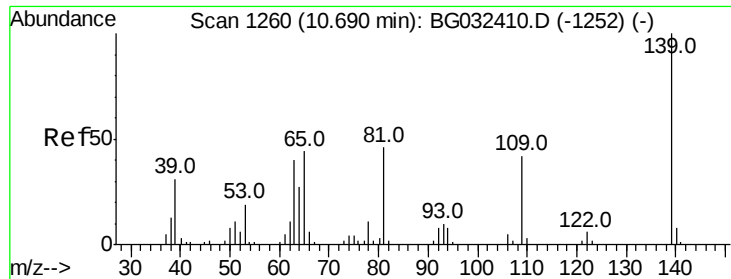
Tot Ion: 77 Resp: 7494
Ion Ratio Lower Upper
77 100
123 43.1 33.0 49.6
65 7.4 13.0 19.6#



#25
Isophorone
Concen: 5.442 ng
RT: 10.47 min Scan# 1222
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion: 82 Resp: 13507
Ion Ratio Lower Upper
82 100
95 7.1 6.2 9.2
138 23.4 12.1 18.1#

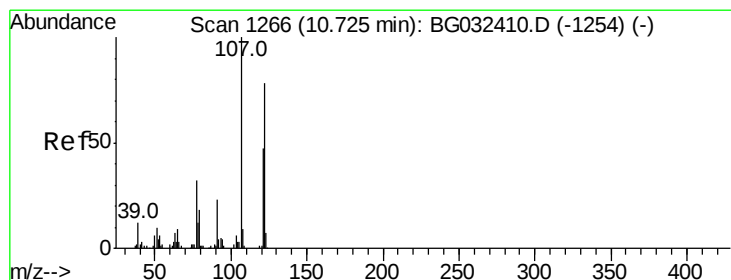
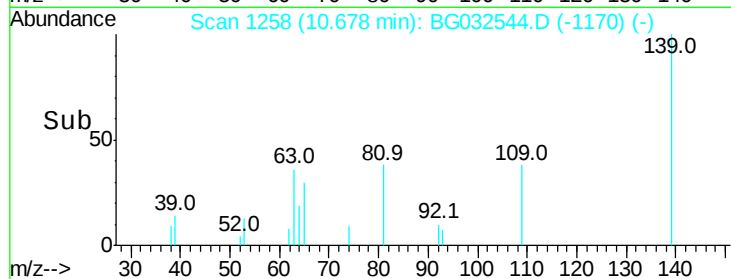
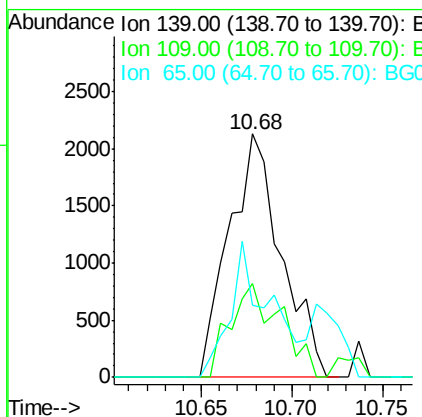
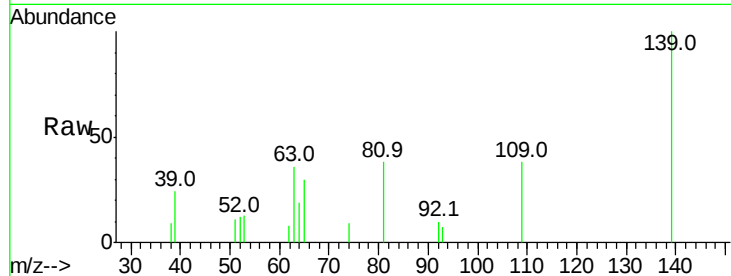




#26
 2-Nitrophenol
 Concen: 5.003 ng
 RT: 10.68 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

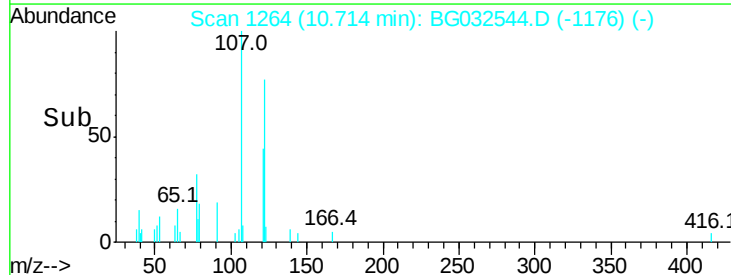
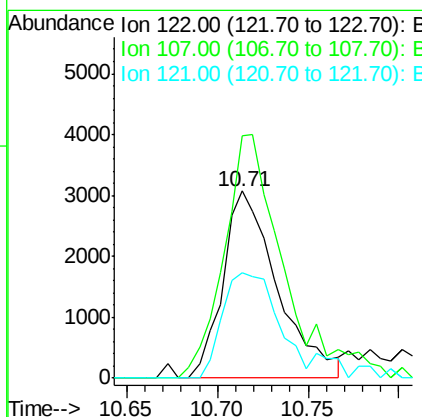
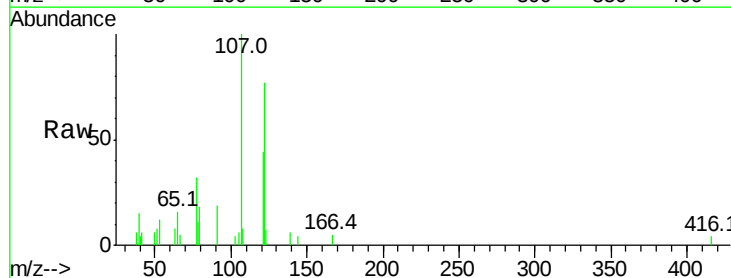
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

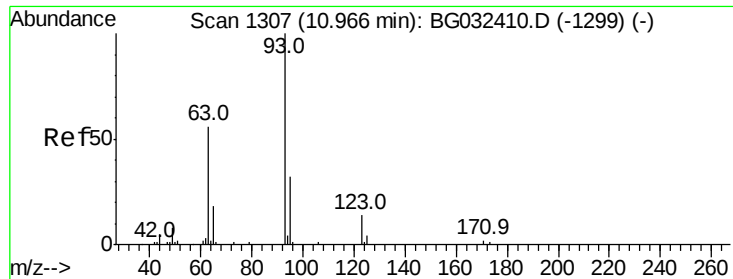
Tot Ion:139 Resp: 4263
 Ion Ratio Lower Upper
 139 100
 109 38.4 24.2 36.2#
 65 29.8 47.4 71.0#



#27
 2,4-Dimethylphenol
 Concen: 5.267 ng
 RT: 10.71 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion:122 Resp: 6442
 Ion Ratio Lower Upper
 122 100
 107 129.5 100.2 150.2
 121 56.6 44.4 66.6

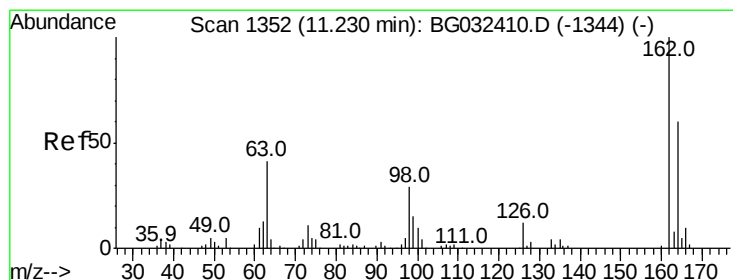
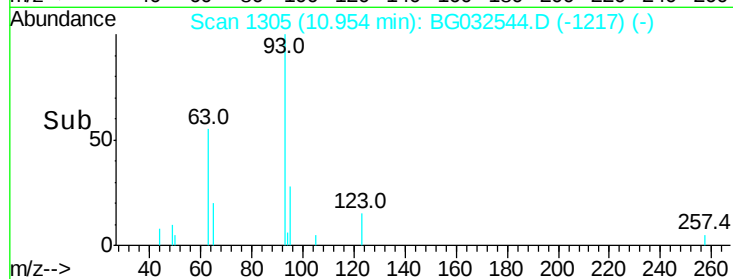
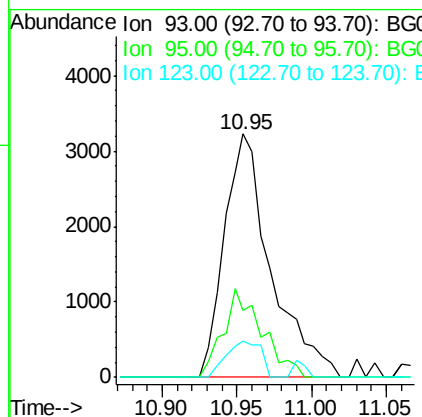
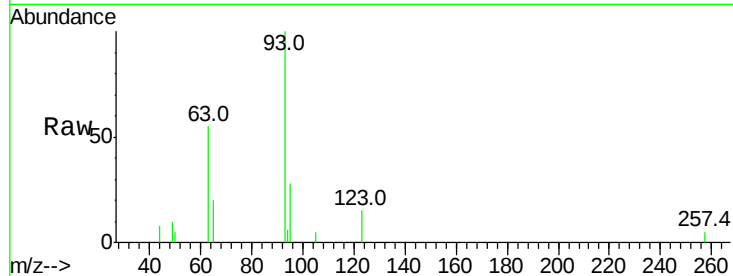




#28
bis(2-Chloroethoxy)methane
Concen: 5.141 ng
RT: 10.95 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

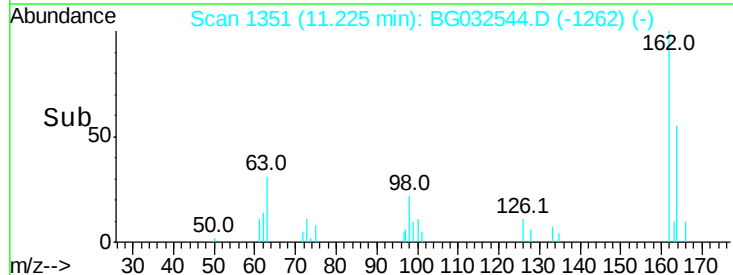
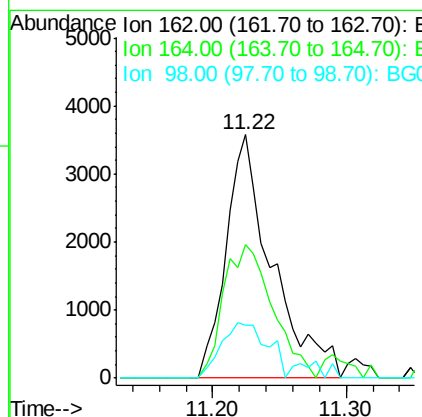
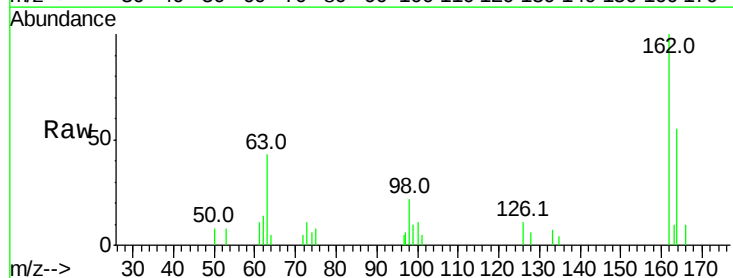
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

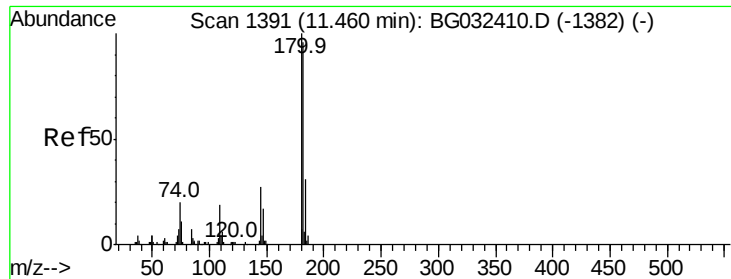
Tot Ion: 93 Resp: 6998
Ion Ratio Lower Upper
93 100
95 27.7 24.3 36.5
123 14.7 8.4 12.6#



#29
2,4-Dichlorophenol
Concen: 5.306 ng
RT: 11.22 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:162 Resp: 8597
Ion Ratio Lower Upper
162 100
164 54.8 48.0 88.0
98 21.8 21.1 61.1

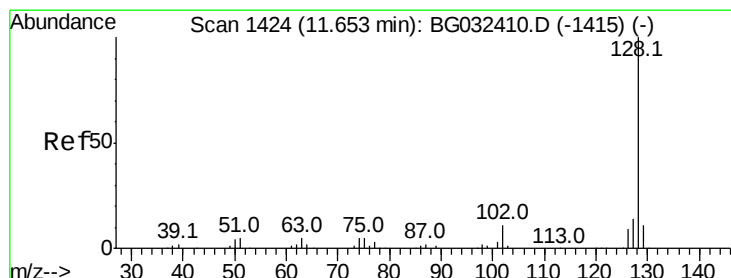
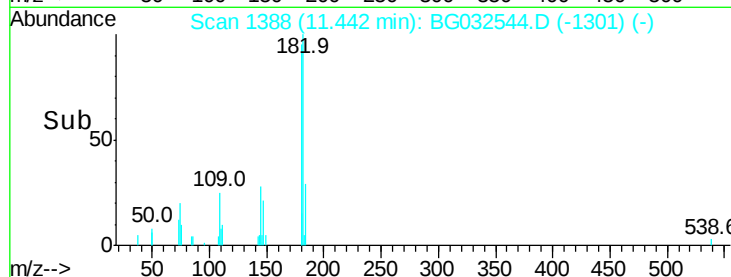
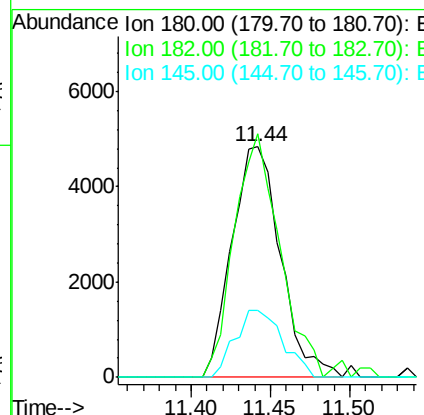
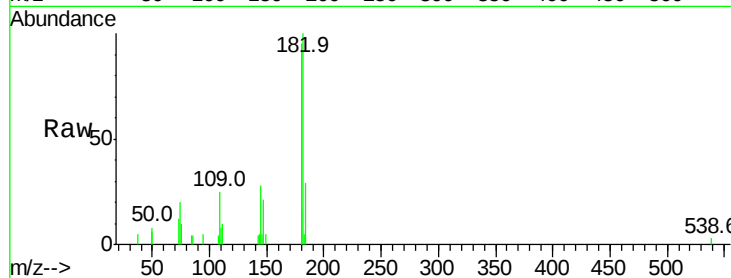




#30
1,2,4-Trichlorobenzene
Concen: 4.775 ng
RT: 11.44 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

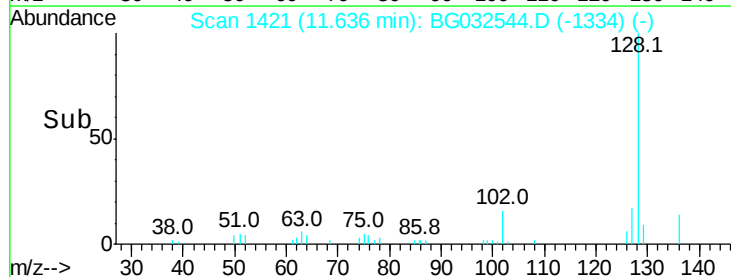
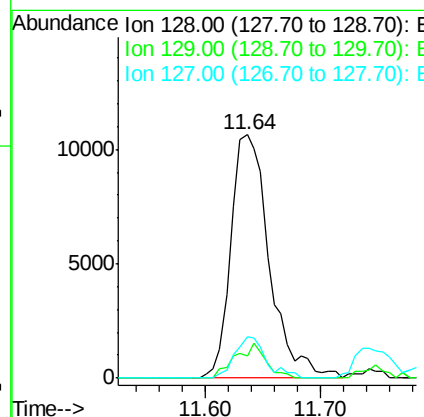
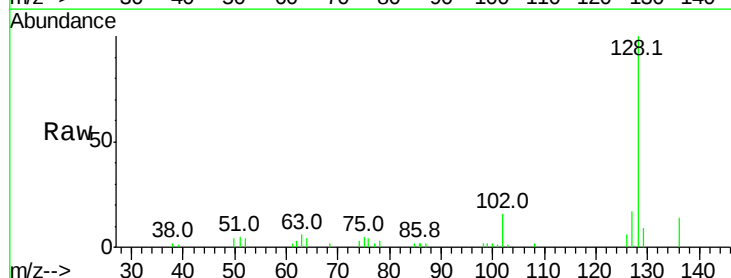
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

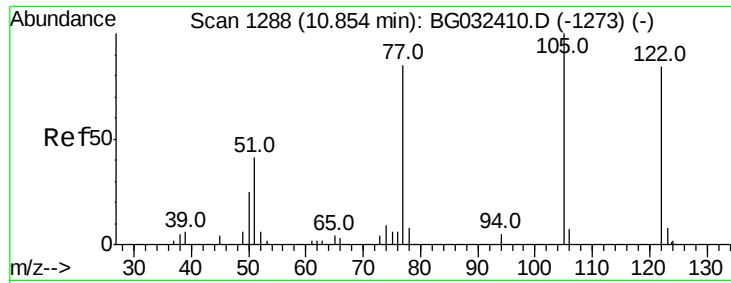
Tot Ion:180 Resp: 10312
Ion Ratio Lower Upper
180 100
182 105.7 77.5 116.3
145 29.1 23.4 35.2



#31
Naphthalene
Concen: 5.516 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:128 Resp: 24532
Ion Ratio Lower Upper
128 100
129 8.9 8.6 12.8
127 16.9 11.6 17.4





#32

Benzoic acid

Concen: 7.525 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

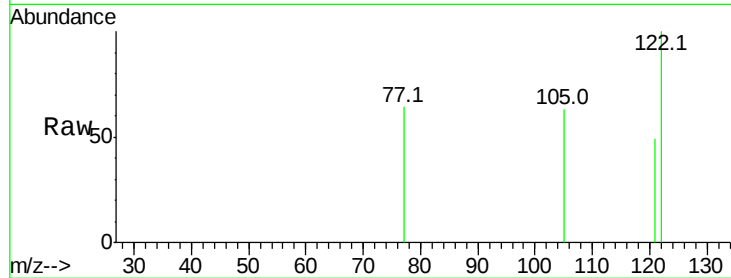
Tot Ion:122 Resp: 260

Ion Ratio Lower Upper

122 100

105 63.0 123.5 163.5#

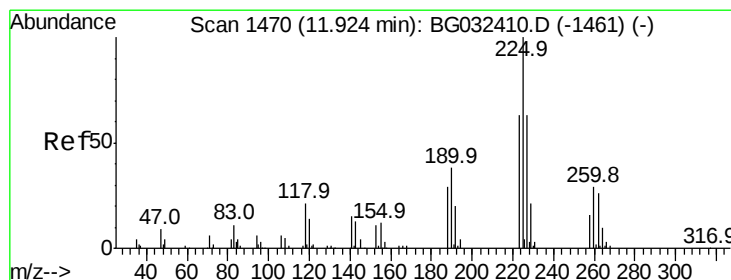
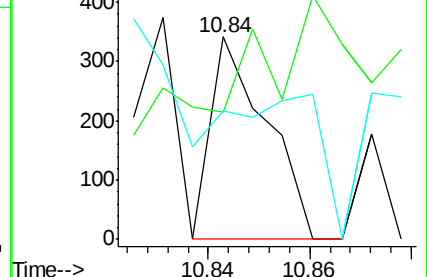
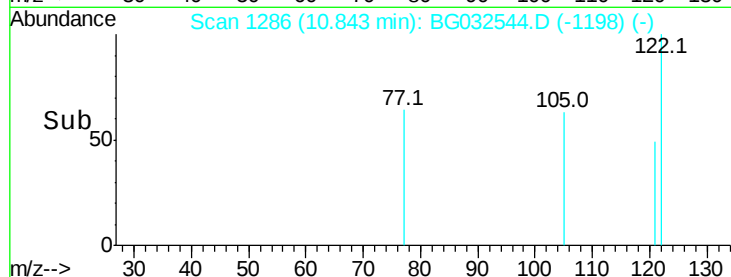
77 63.6 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#34

Hexachlorobutadiene

Concen: 5.241 ng

RT: 11.91 min Scan# 1467

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

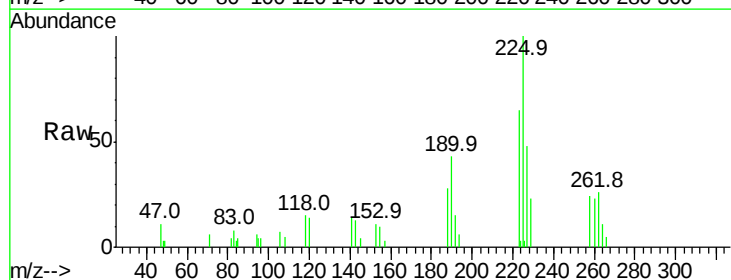
Tgt Ion:225 Resp: 8805

Ion Ratio Lower Upper

225 100

223 68.3 49.7 74.5

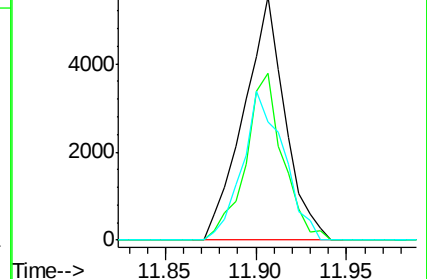
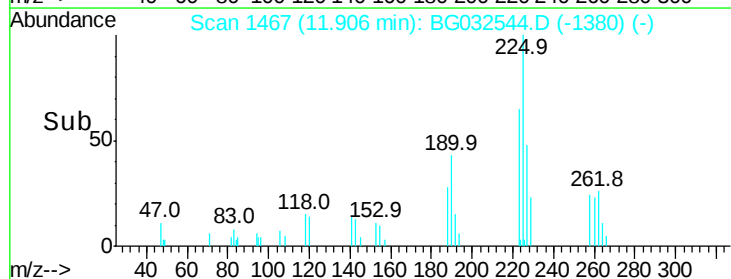
227 48.4 48.1 72.1

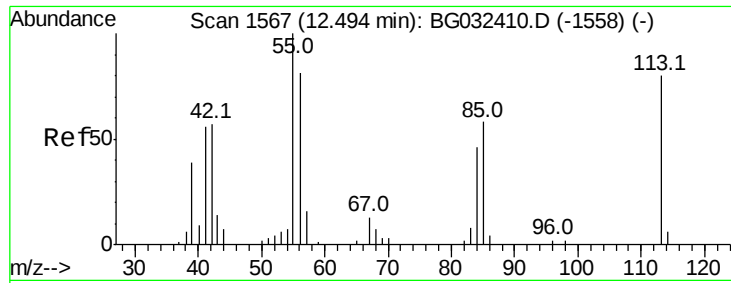


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 4.900 ng

RT: 12.45 min Scan# 1559

Delta R.T. -0.05 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

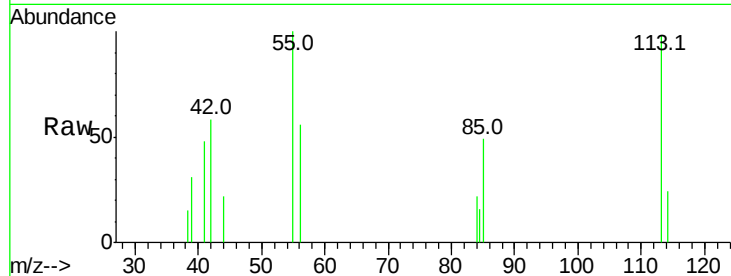
Tot Ion:113 Resp: 2279

Ion Ratio Lower Upper

113 100

55 102.4 186.9 226.9#

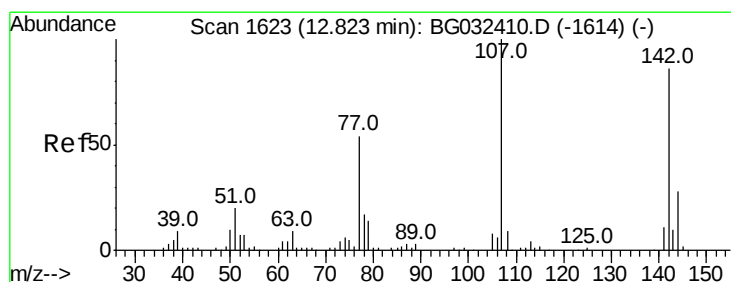
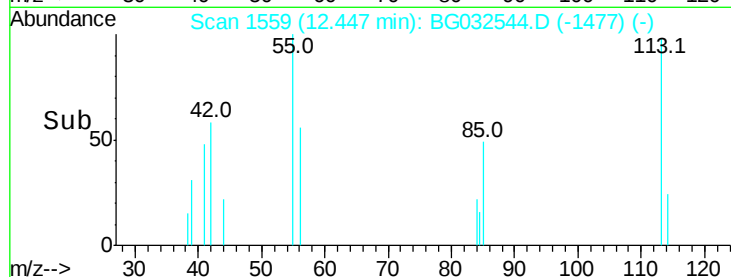
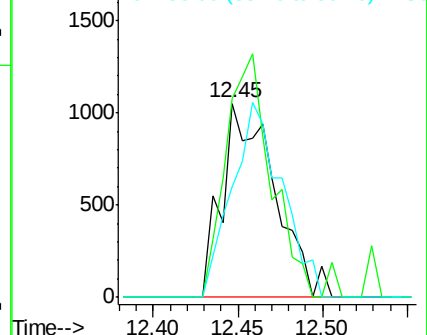
56 56.9 130.9 170.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 4.752 ng

RT: 12.82 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

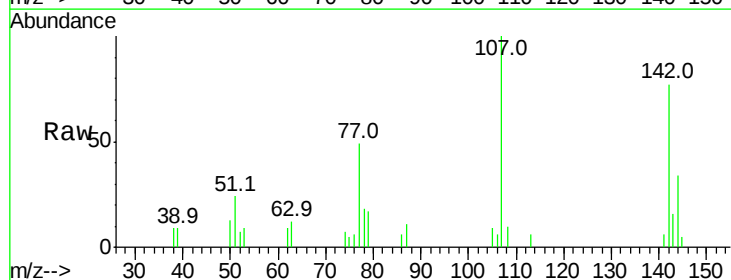
Tgt Ion:107 Resp: 7303

Ion Ratio Lower Upper

107 100

144 34.1 18.2 27.4#

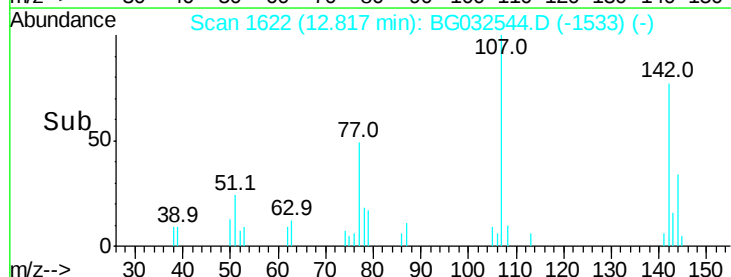
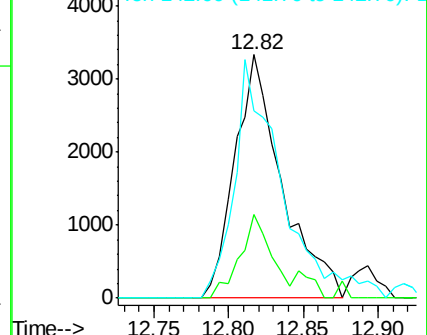
142 76.7 59.0 88.4

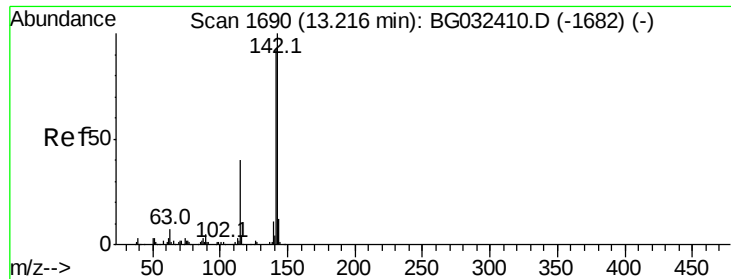


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 5.141 ng

RT: 13.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

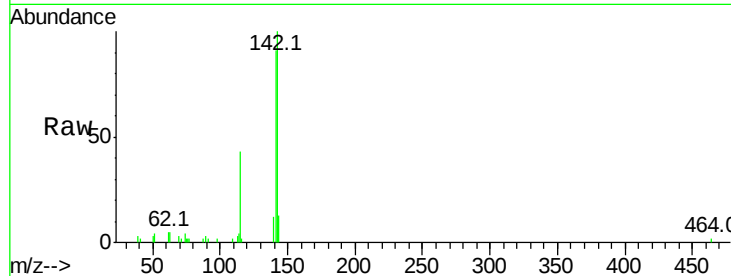
Tot Ion:142 Resp: 19209

Ion Ratio Lower Upper

142 100

141 90.7 67.1 100.7

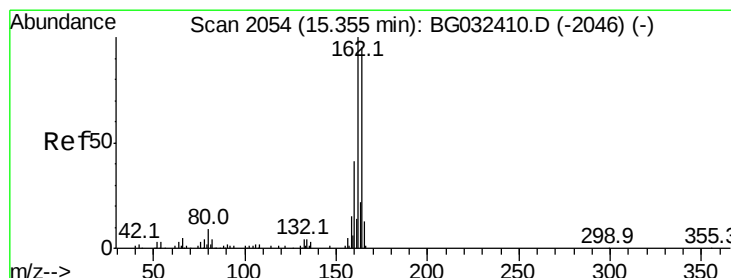
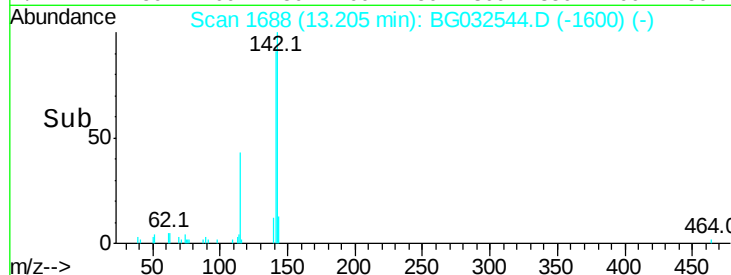
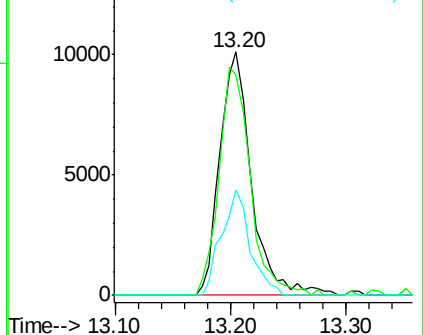
115 43.4 30.7 46.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

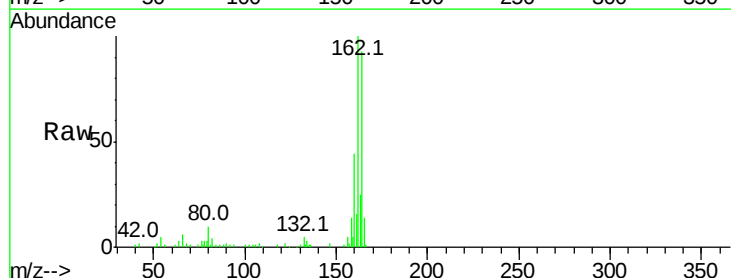
Tgt Ion:164 Resp: 62241

Ion Ratio Lower Upper

164 100

162 107.4 78.8 118.2

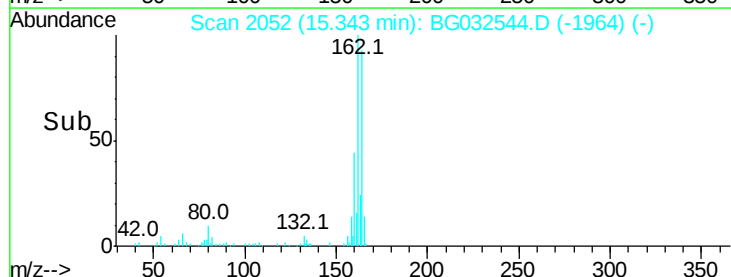
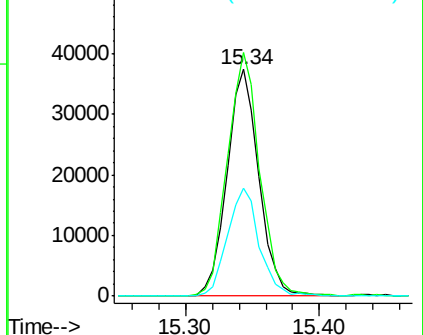
160 47.4 35.4 53.0

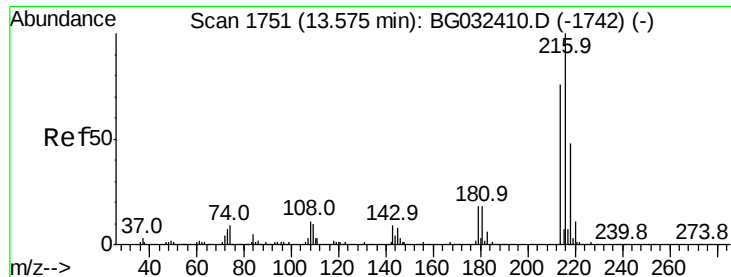


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 5.497 ng

RT: 13.56 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:216 Resp: 16006

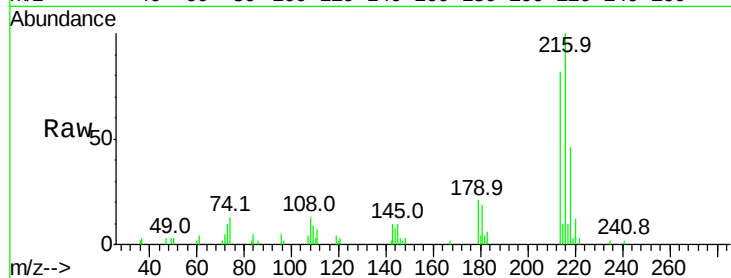
Ion Ratio Lower Upper

216 100

214 71.6 63.0 94.4

179 17.2 17.0 25.6

108 12.1 12.8 19.2#

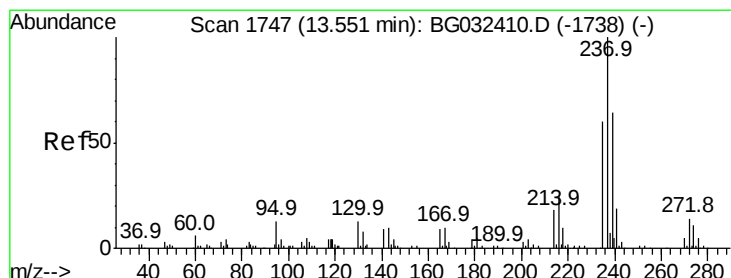
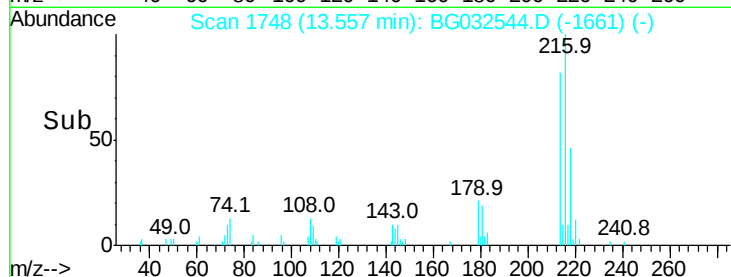
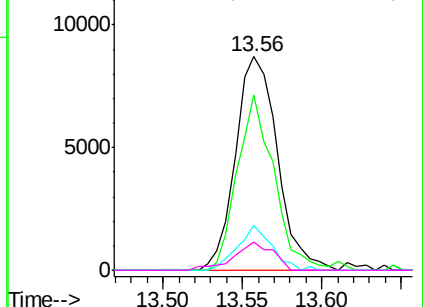


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 4.182 ng

RT: 13.53 min Scan# 1744

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

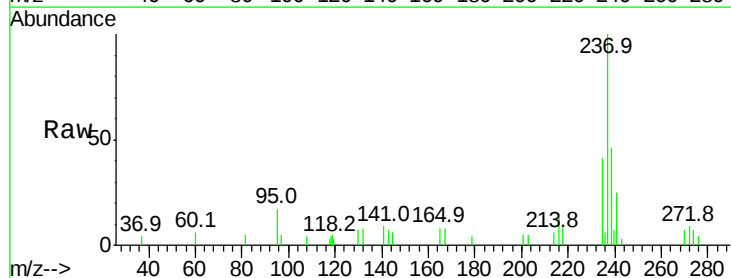
Tgt Ion:237 Resp: 7609

Ion Ratio Lower Upper

237 100

235 41.0 50.4 90.4#

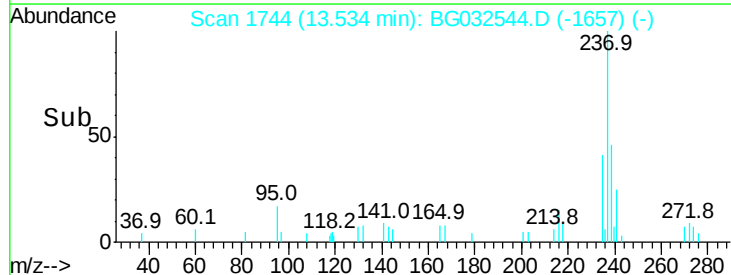
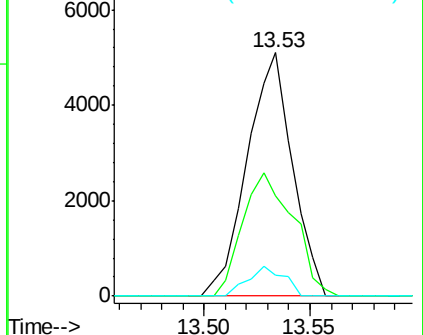
272 8.6 0.0 31.8

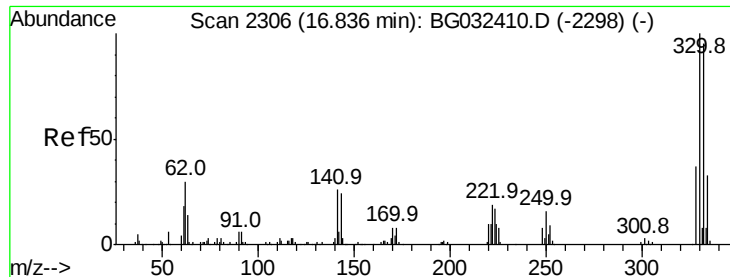


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 120.278 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

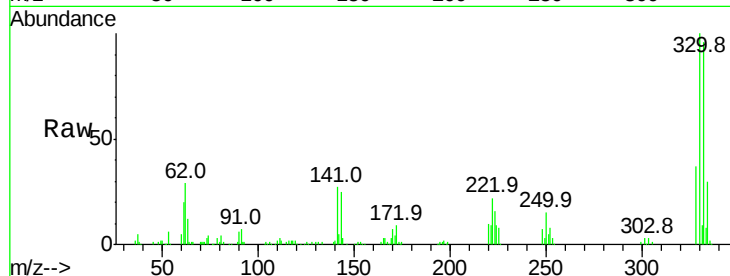
Tot Ion:330 Resp: 142500

Ion Ratio Lower Upper

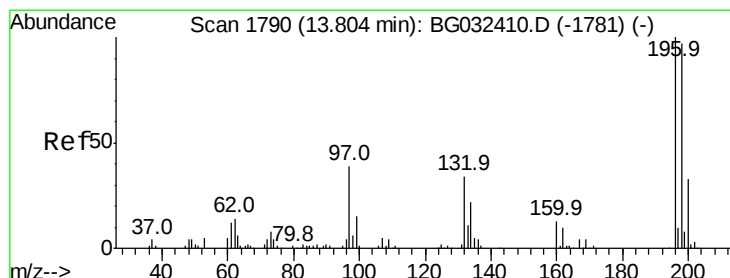
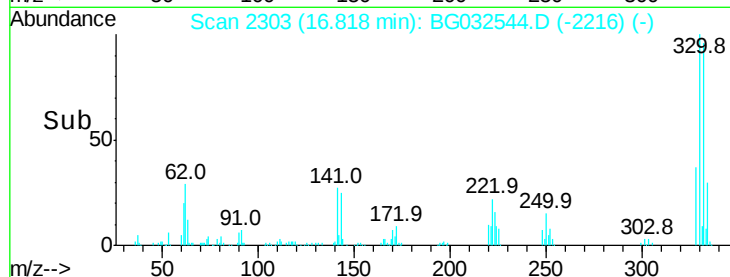
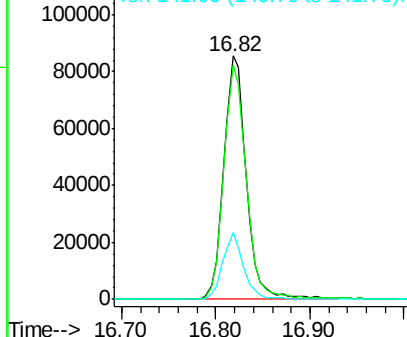
330 100

332 96.6 77.0 115.6

141 25.4 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 6.231 ng

RT: 13.86 min Scan# 1800

Delta R.T. 0.06 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

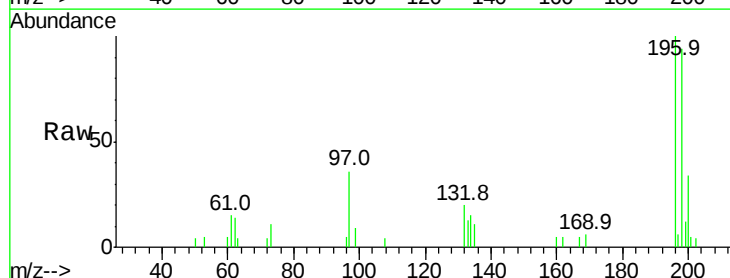
Tgt Ion:196 Resp: 9869

Ion Ratio Lower Upper

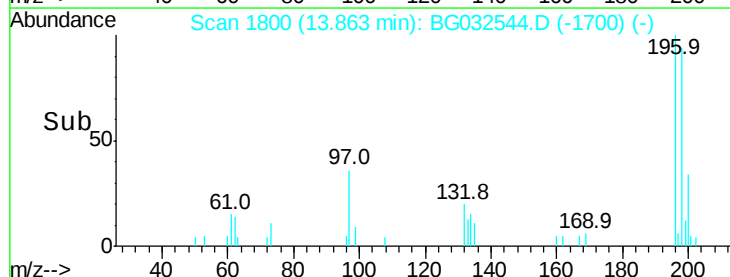
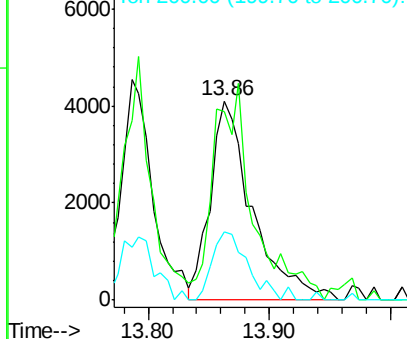
196 100

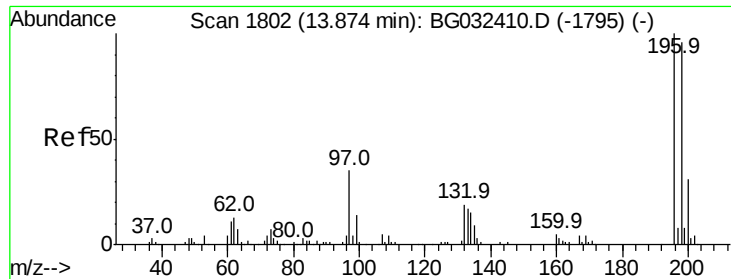
198 94.4 78.2 117.2

200 34.2 24.6 36.8



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

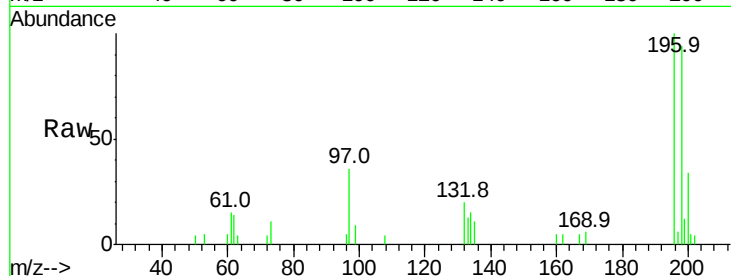




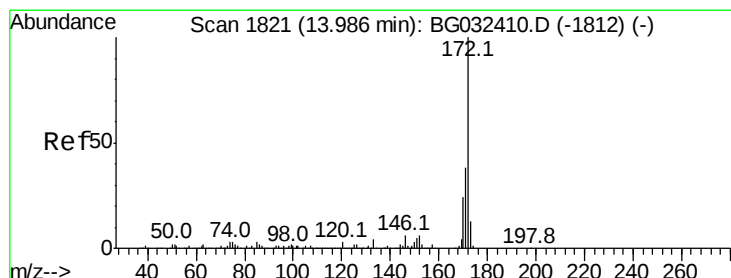
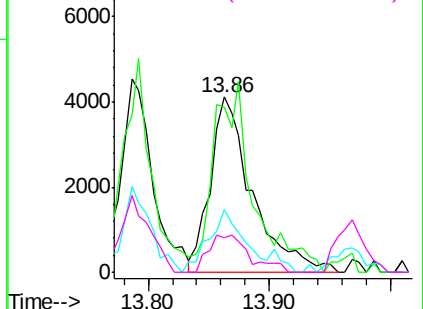
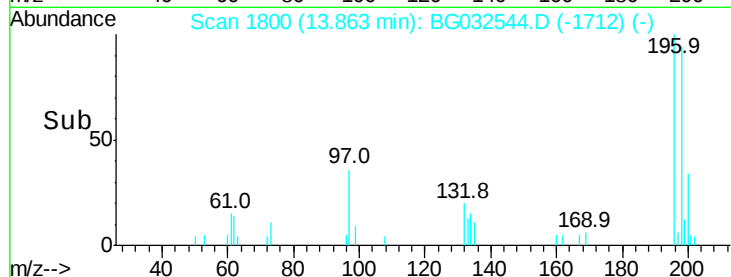
#43
 2,4,5-Trichlorophenol
 Concen: 5.345 ng
 RT: 13.86 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:196 Resp: 9869
 Ion Ratio Lower Upper
 196 100
 198 94.4 76.2 114.4
 97 35.8 38.7 58.1#
 132 19.9 20.2 30.2#

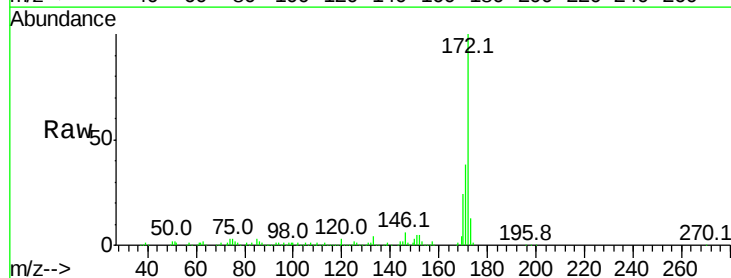


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

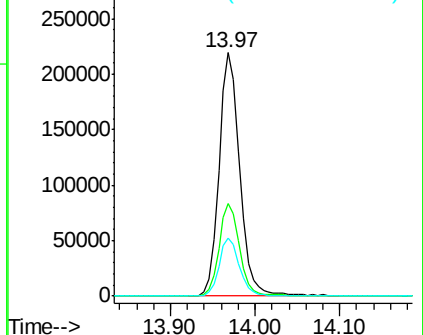
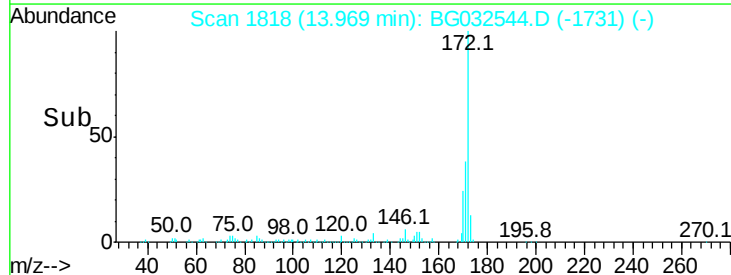


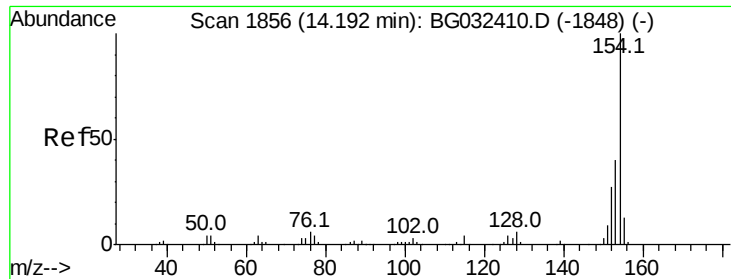
#44
 2-Fluorobiphenyl
 Concen: 71.563 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion:172 Resp: 374748
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 23.7 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

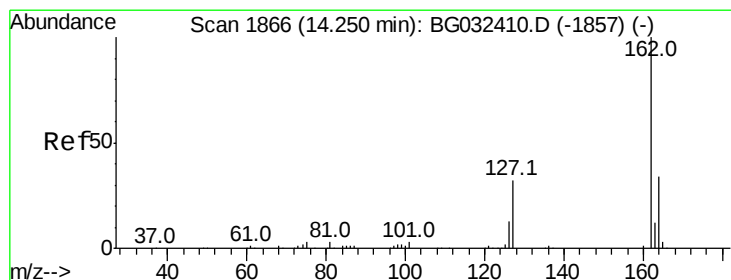
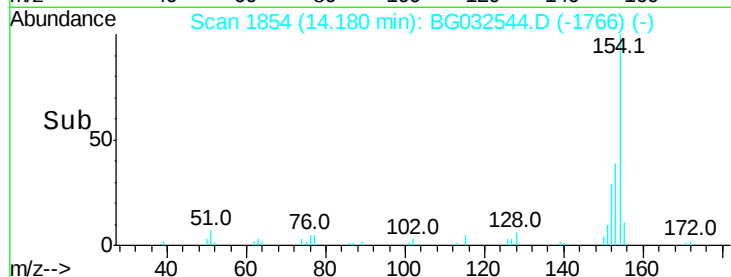
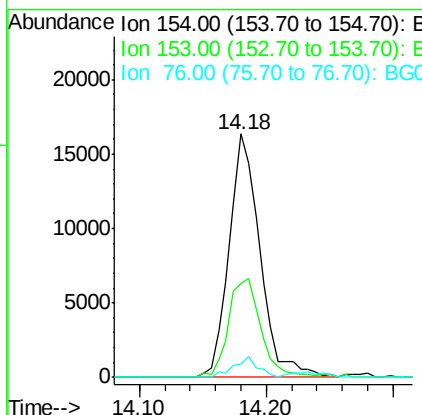
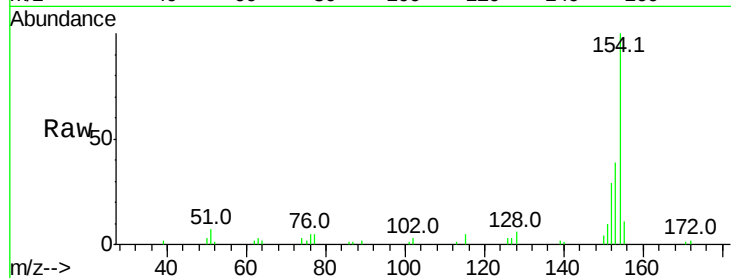




#45
 1,1'-Biphenyl
 Concen: 5.244 ng
 RT: 14.18 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

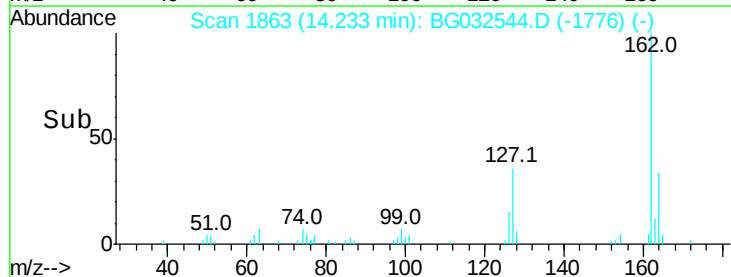
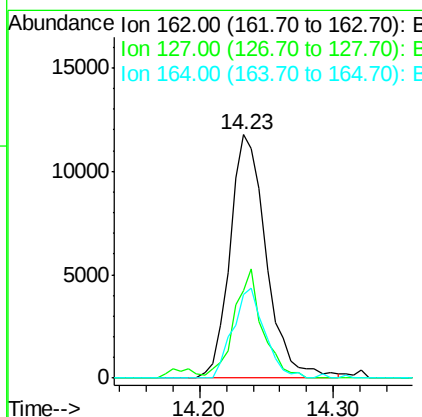
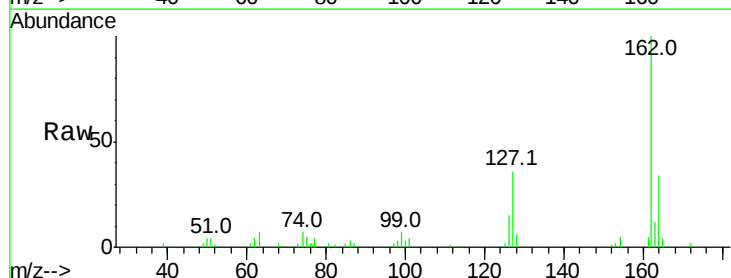
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

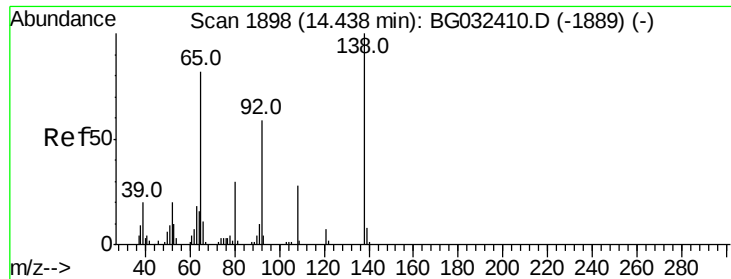
Tot Ion	Ratio	Lower	Upper
154	100		
153	38.6	19.8	59.8
76	5.3	0.0	31.9



#46
 2-Chloronaphthalene
 Concen: 5.403 ng
 RT: 14.23 min Scan# 1863
 Delta R.T. -0.02 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion	Ratio	Lower	Upper
162	100		
127	36.1	30.7	46.1
164	34.2	26.0	39.0

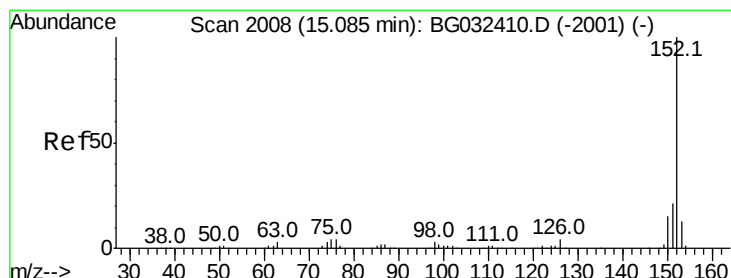
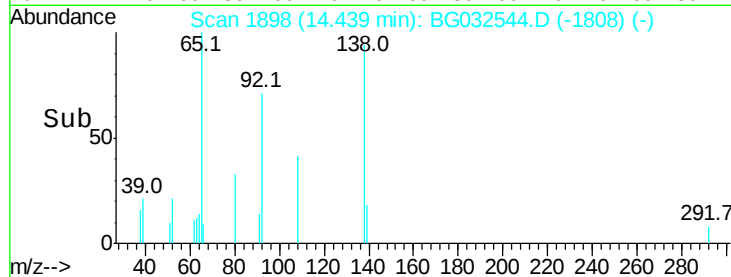
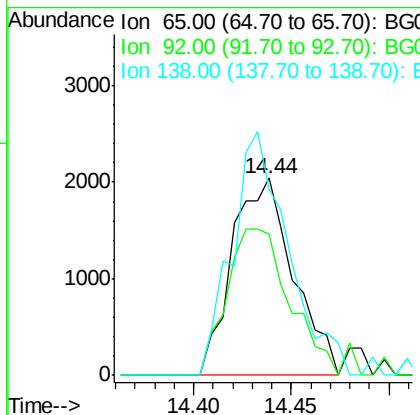
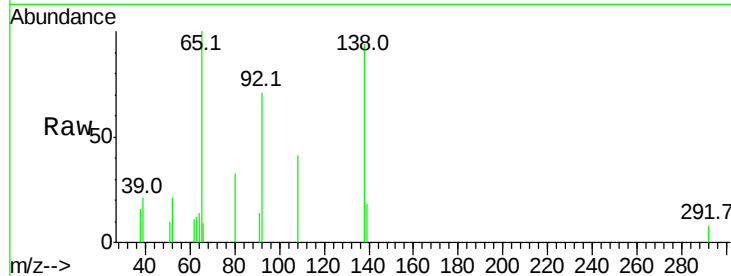




#47
2-Nitroaniline
Concen: 4.841 ng
RT: 14.44 min Scan# 1898
Delta R.T. 0.00 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

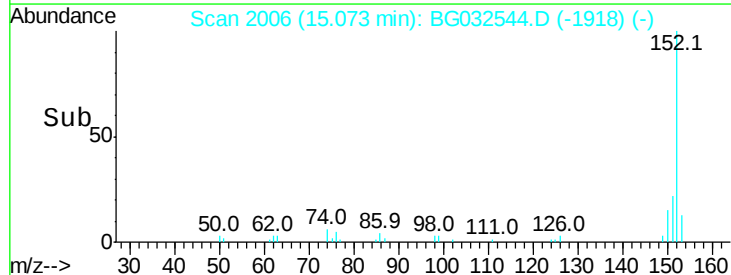
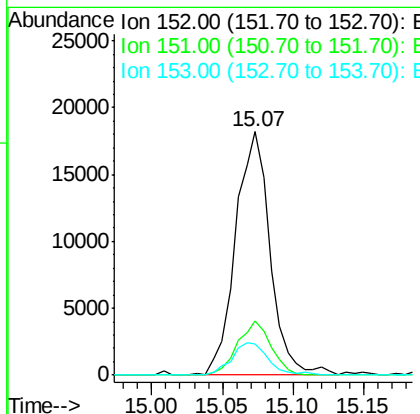
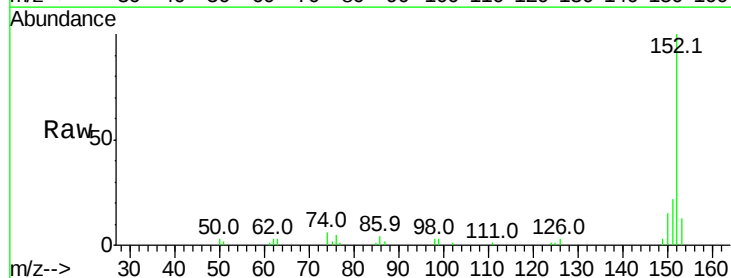
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

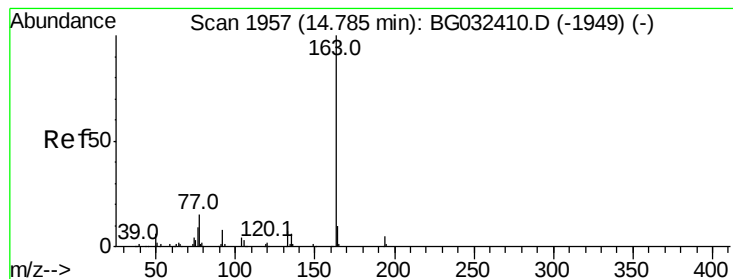
Tot Ion: 65 Resp: 4412
Ion Ratio Lower Upper
65 100
92 71.5 54.6 82.0
138 94.4 72.9 109.3



#48
Acenaphthylene
Concen: 5.000 ng
RT: 15.07 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion: 152 Resp: 31151
Ion Ratio Lower Upper
152 100
151 22.1 17.2 25.8
153 13.0 10.2 15.4





#49

Dimethylphthalate

Concen: 5.037 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

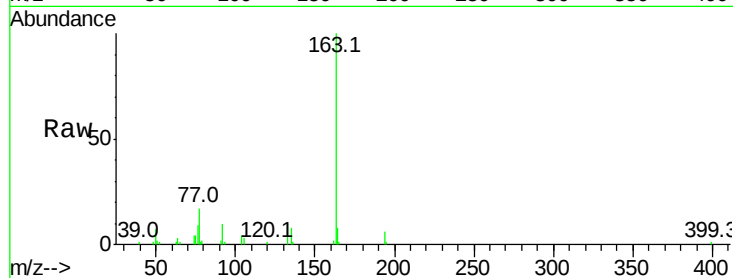
Tot Ion:163 Resp: 28906

Ion Ratio Lower Upper

163 100

194 5.7 3.4 5.2#

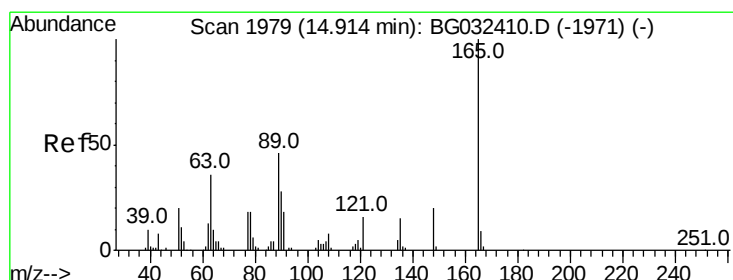
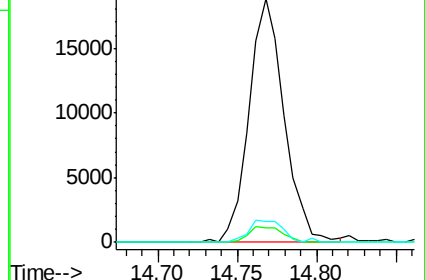
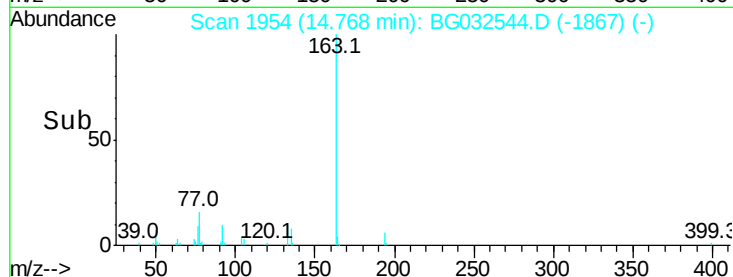
164 8.4 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 4.501 ng

RT: 14.90 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

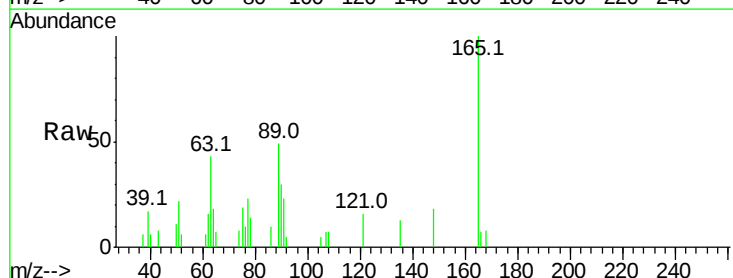
Tgt Ion:165 Resp: 5421

Ion Ratio Lower Upper

165 100

63 42.9 52.7 79.1#

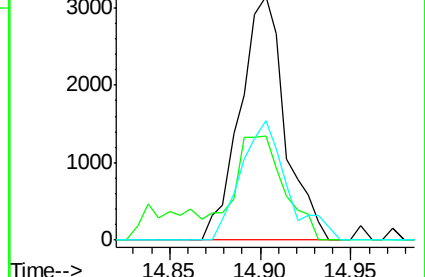
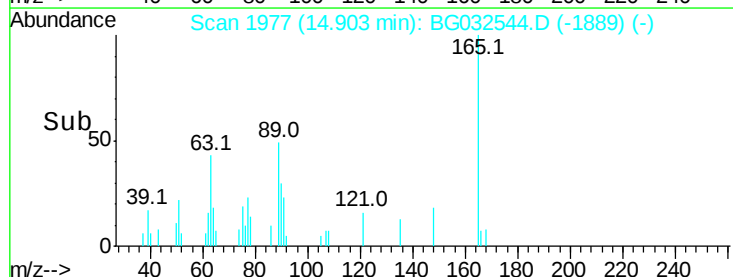
89 49.1 49.2 73.8#

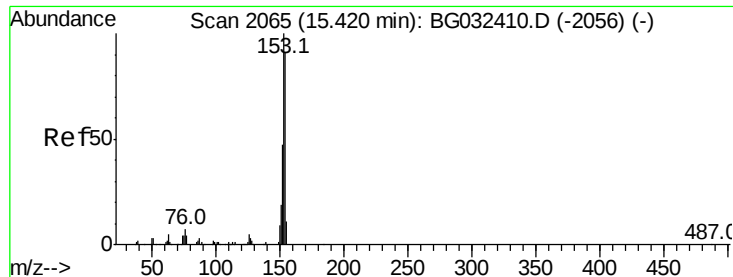


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 4.582 ng

RT: 15.40 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

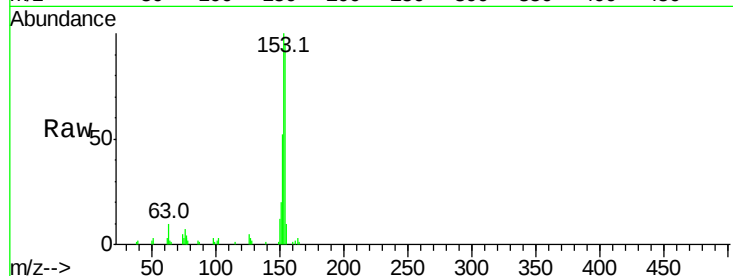
Tot Ion:154 Resp: 19800

Ion Ratio Lower Upper

154 100

153 104.9 90.4 135.6

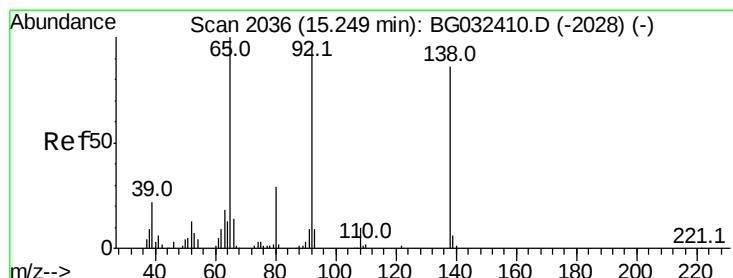
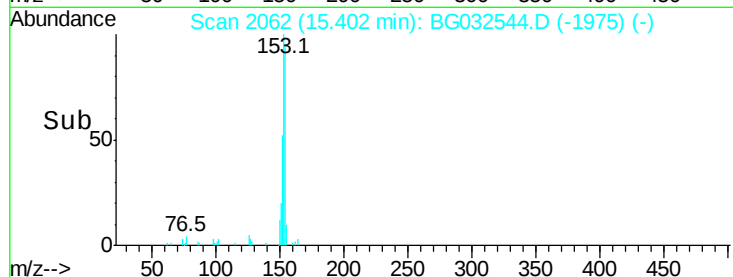
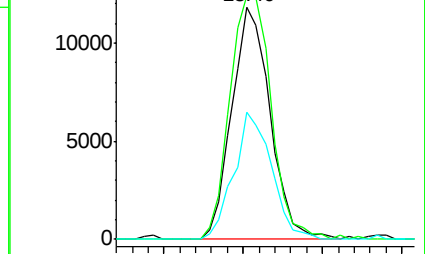
152 54.9 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 3.157 ng

RT: 15.25 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

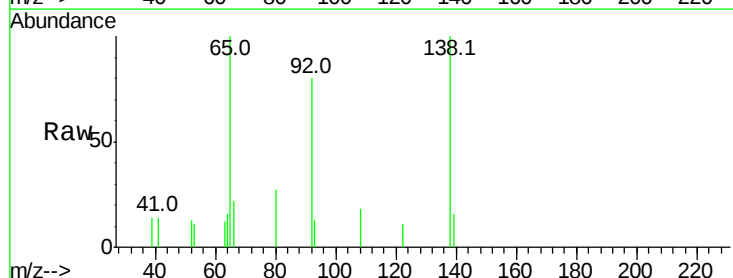
Tgt Ion:138 Resp: 3321

Ion Ratio Lower Upper

138 100

108 18.2 17.5 26.3

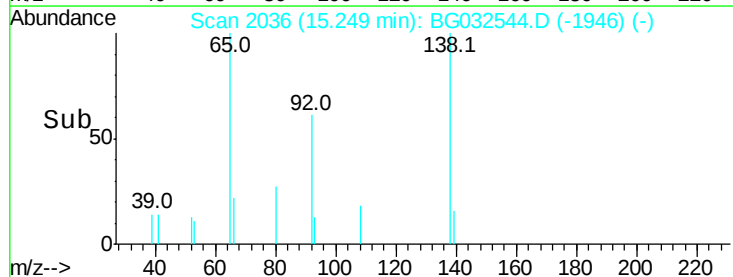
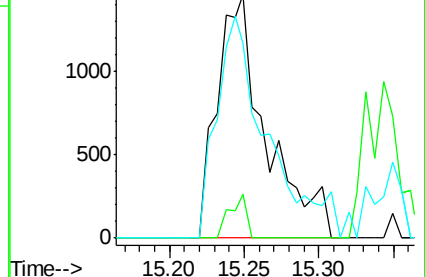
92 79.9 105.8 158.8#

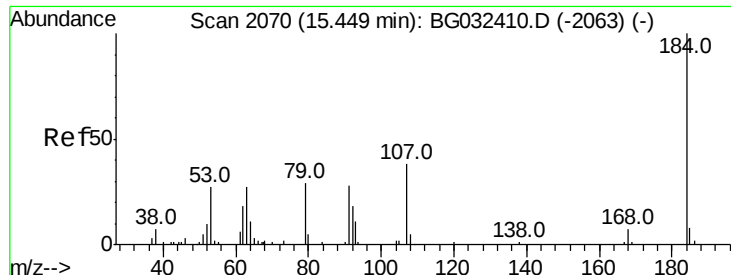


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

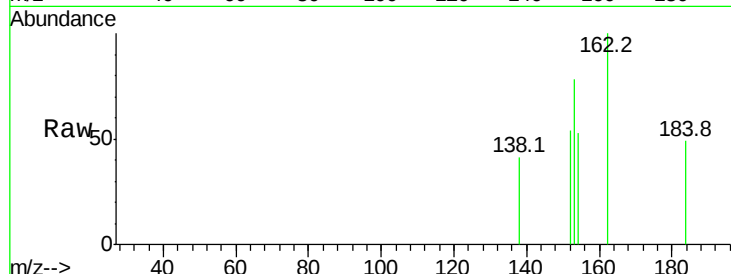




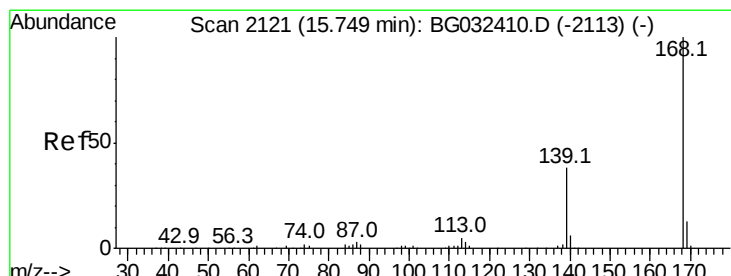
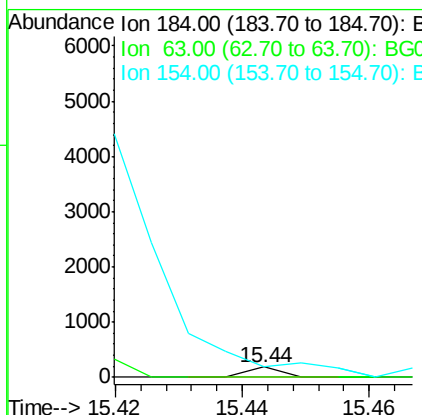
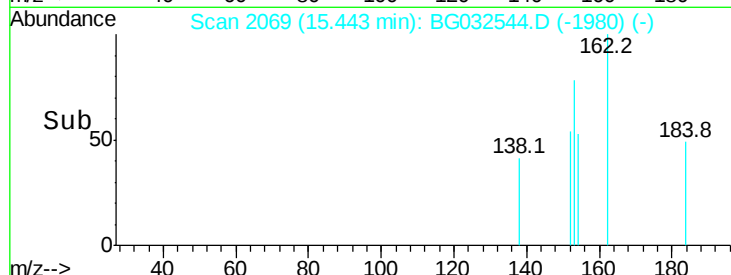
#53
 2,4-Dinitrophenol
 Concen: 4.185 ng
 RT: 15.44 min Scan# 2069
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion:184 Resp: 64
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 108.8 101.8 152.8

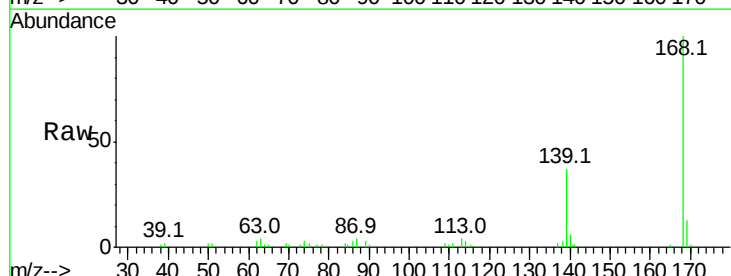


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

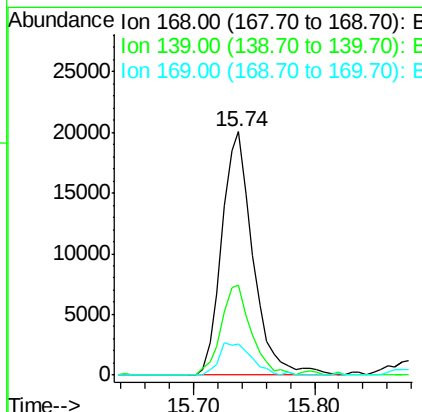
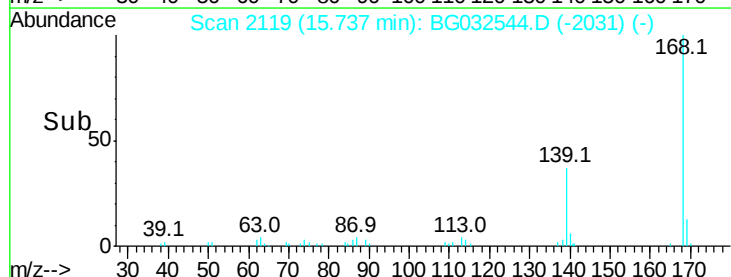


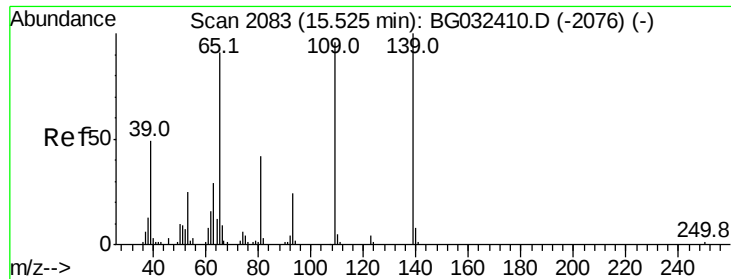
#54
 Dibenzofuran
 Concen: 5.599 ng
 RT: 15.74 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion:168 Resp: 35811
 Ion Ratio Lower Upper
 168 100
 139 37.1 28.6 43.0
 169 12.8 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 3.673 ng

RT: 15.55 min Scan# 2087

Delta R.T. 0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

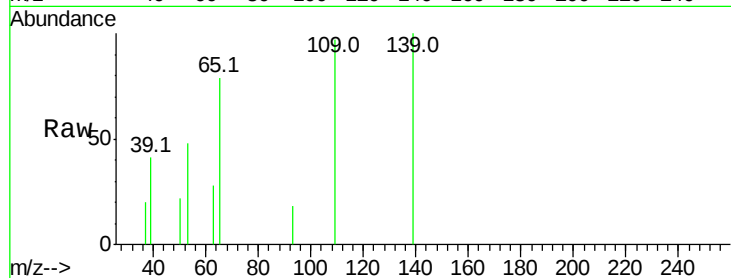
Tot Ion:139 Resp: 2893

Ion Ratio Lower Upper

139 100

109 97.0 62.2 102.2

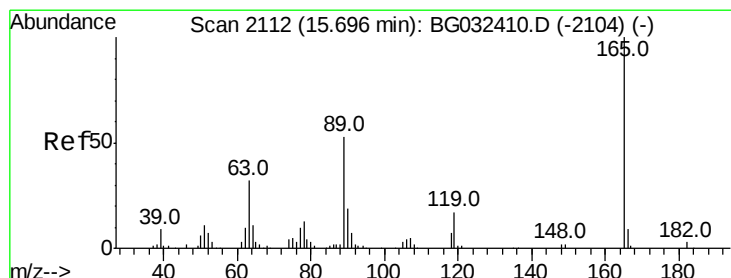
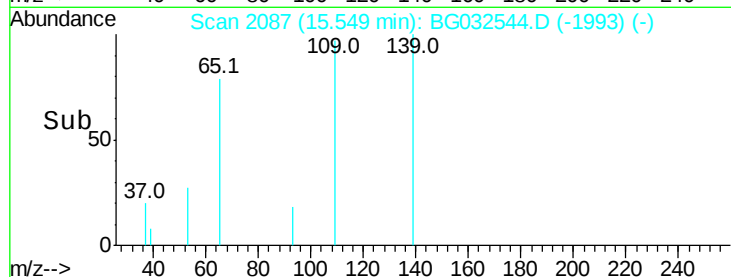
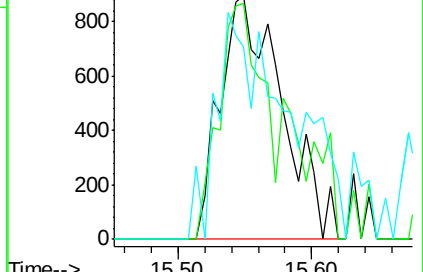
65 79.3 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 4.732 ng

RT: 15.68 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Tgt Ion:165 Resp: 8115

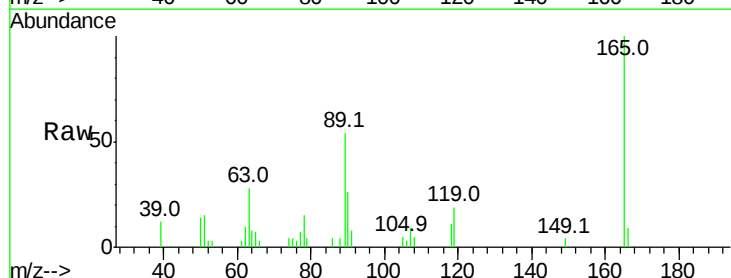
Ion Ratio Lower Upper

165 100

63 27.7 42.0 63.0#

89 54.5 66.9 100.3#

182 0.0 2.6 3.8#

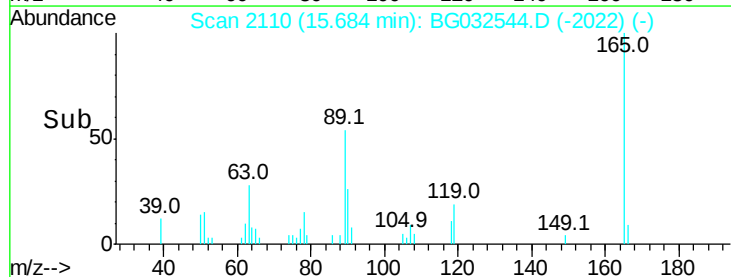
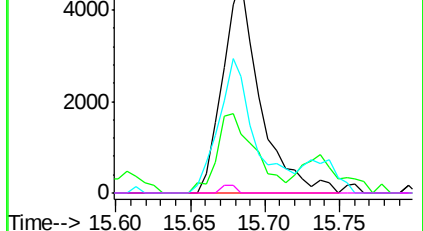


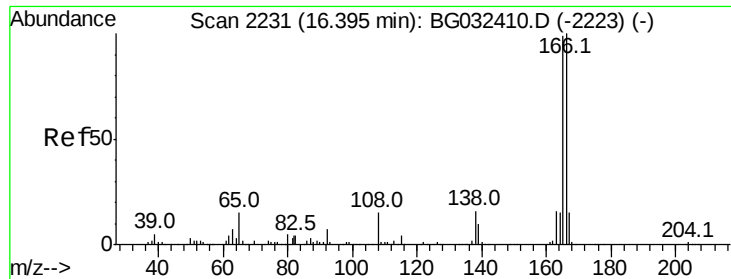
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 5.252 ng

RT: 16.38 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

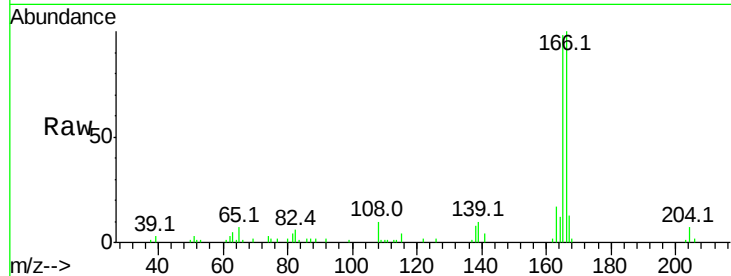
Tot Ion:166 Resp: 27913

Ion Ratio Lower Upper

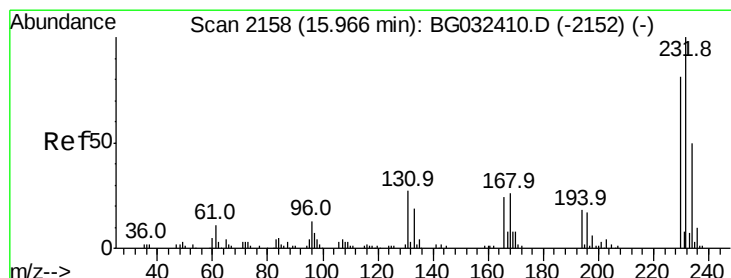
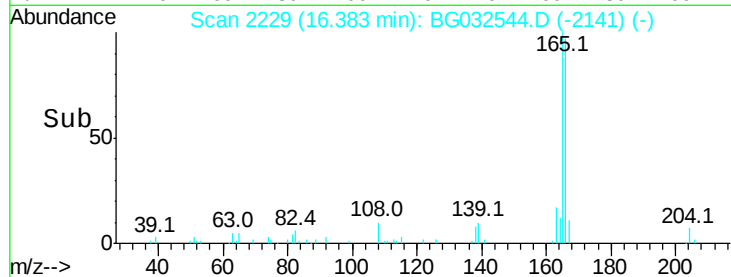
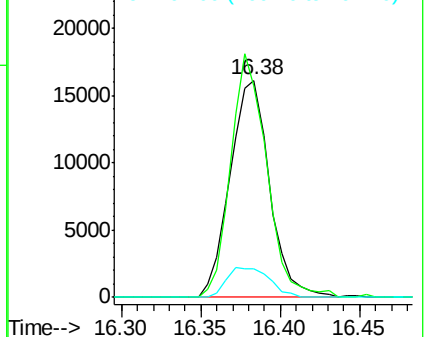
166 100

165 97.5 80.6 121.0

167 13.1 10.4 15.6



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 5.836 ng

RT: 15.95 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Tgt Ion:232 Resp: 10627

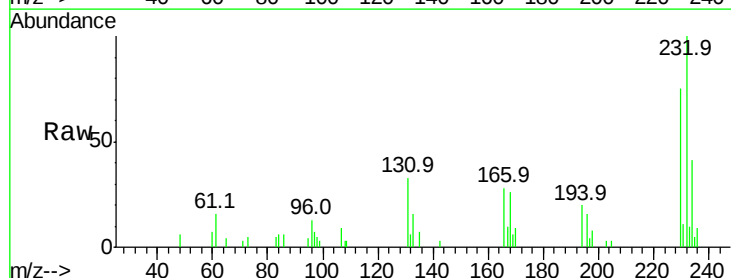
Ion Ratio Lower Upper

232 100

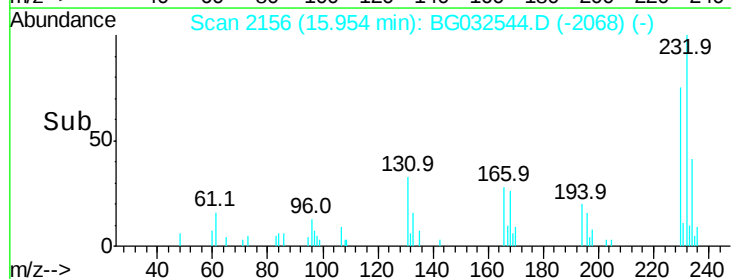
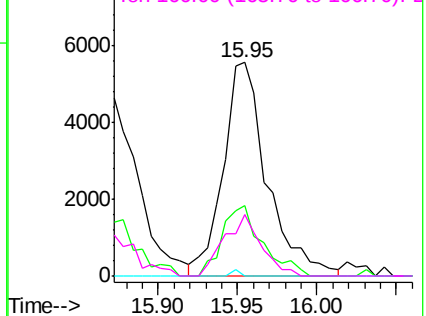
131 30.1 33.5 50.3#

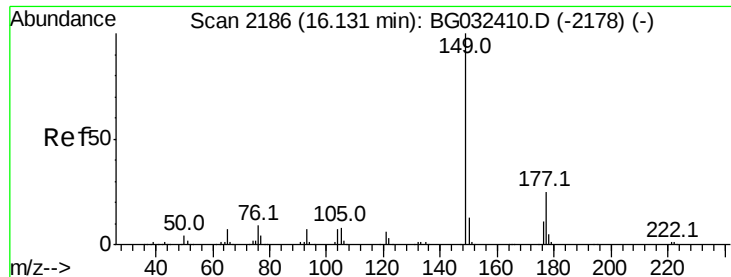
130 0.6 2.2 3.2#

166 24.4 24.8 37.2#



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

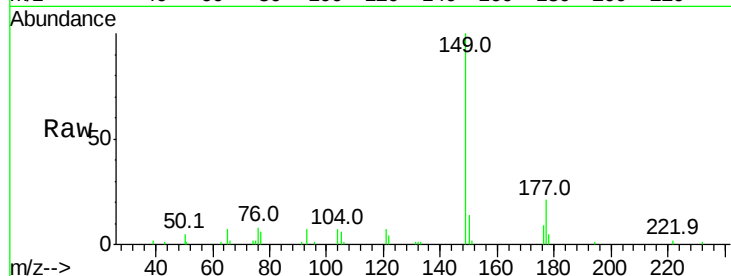




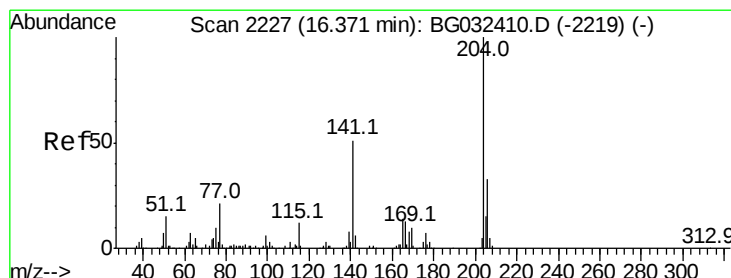
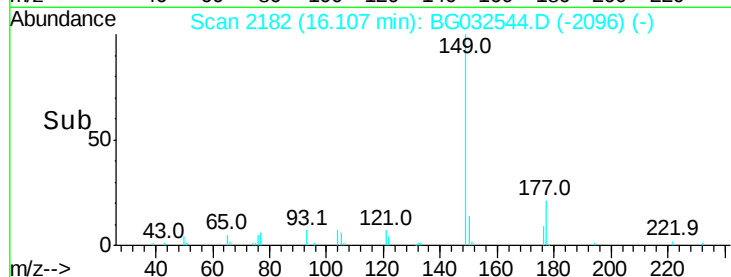
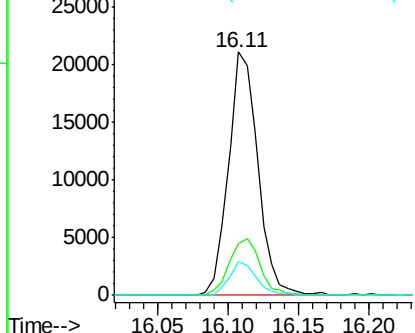
#59
Diethylphthalate
Concen: 5.477 ng
RT: 16.11 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:149 Resp: 30615
Ion Ratio Lower Upper
149 100
177 20.9 18.5 27.7
150 13.9 10.2 15.2

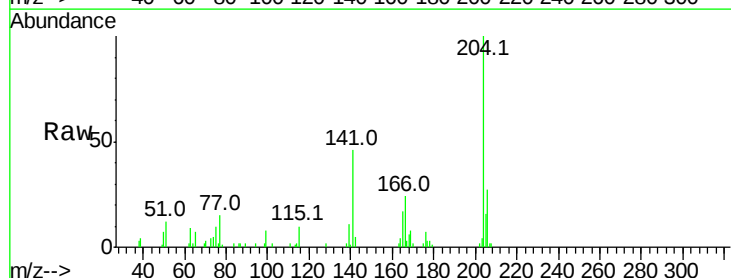


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

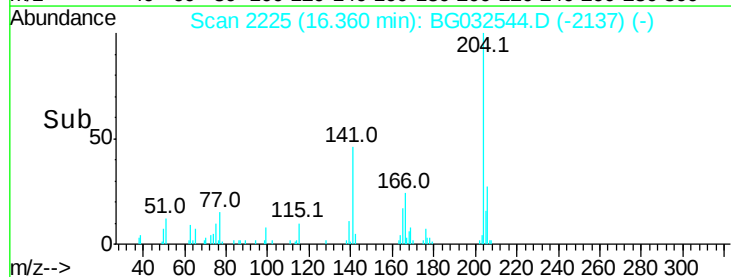
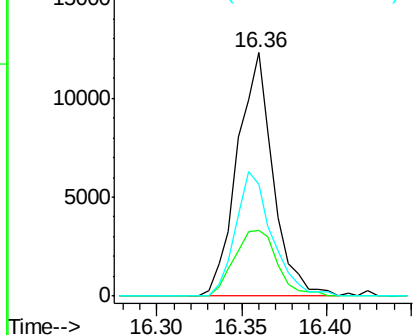


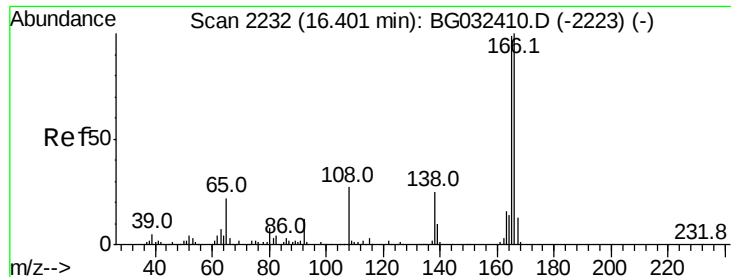
#60
4-Chlorophenyl-phenylether
Concen: 5.409 ng
RT: 16.36 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:204 Resp: 18128
Ion Ratio Lower Upper
204 100
206 27.1 26.2 39.2
141 46.1 45.8 68.6



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

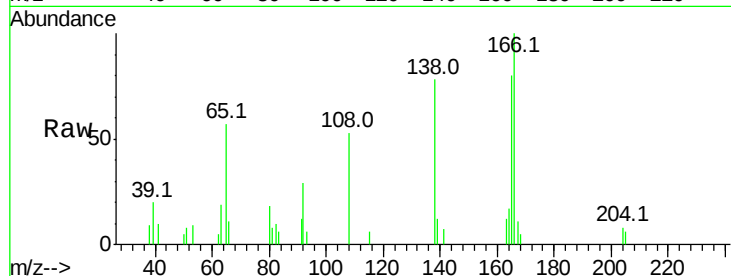




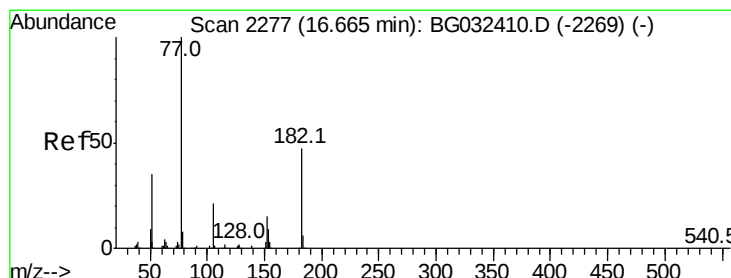
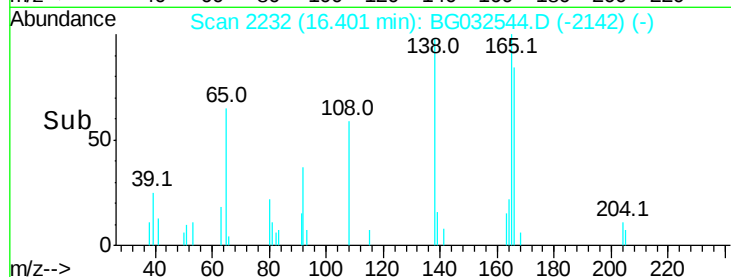
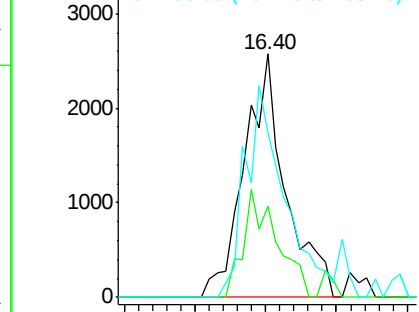
#61
4-Nitroaniline
Concen: 4.654 ng
RT: 16.40 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:138 Resp: 5248
Ion Ratio Lower Upper
138 100
92 37.3 40.1 80.1#
108 67.4 65.4 105.4

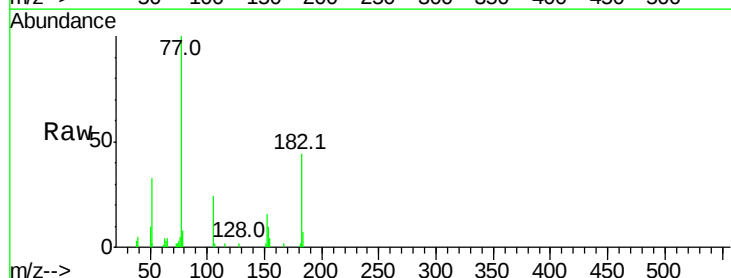


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

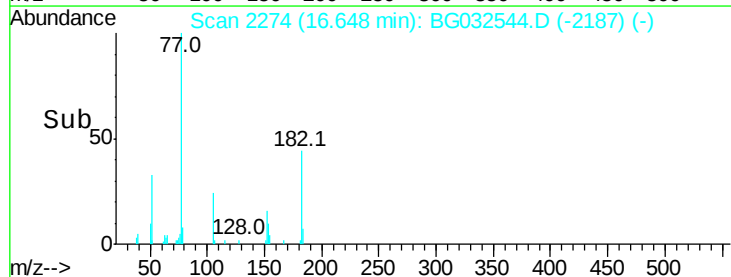
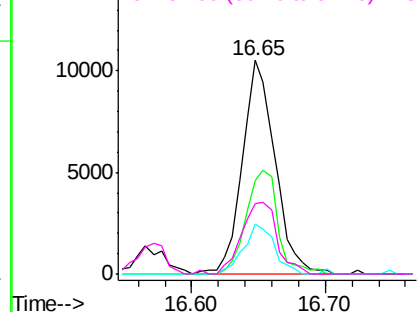


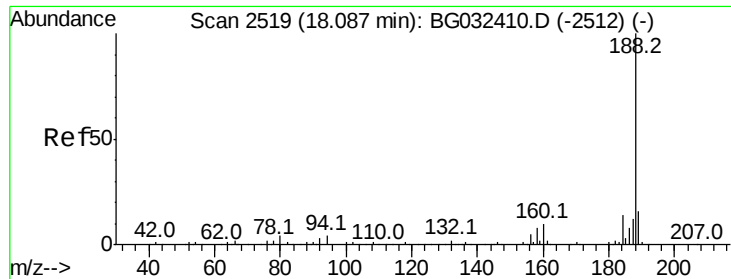
#62
Azobenzene
Concen: 5.314 ng
RT: 16.65 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion: 77 Resp: 17751
Ion Ratio Lower Upper
77 100
182 43.8 7.4 47.4
105 23.7 0.3 40.3
51 33.2 11.6 51.6



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

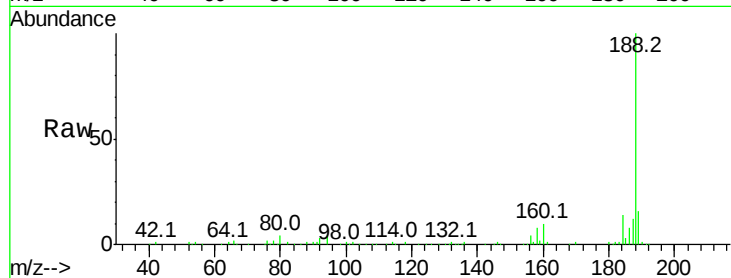




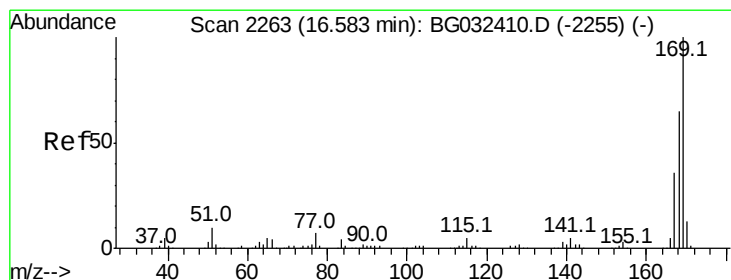
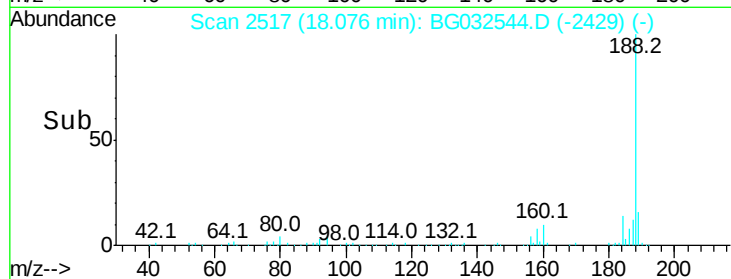
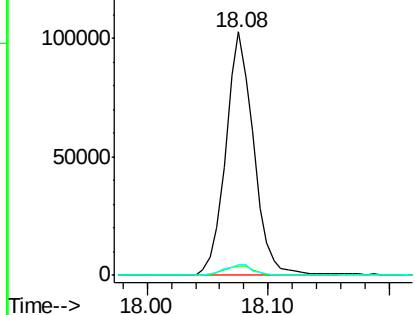
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:188 Resp: 164808
Ion Ratio Lower Upper
188 100
94 4.0 6.9 10.3#
80 4.3 7.7 11.5#

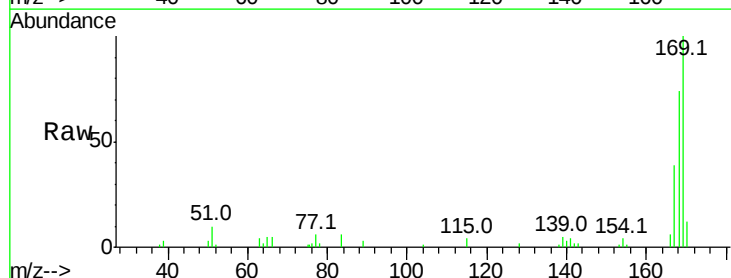


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

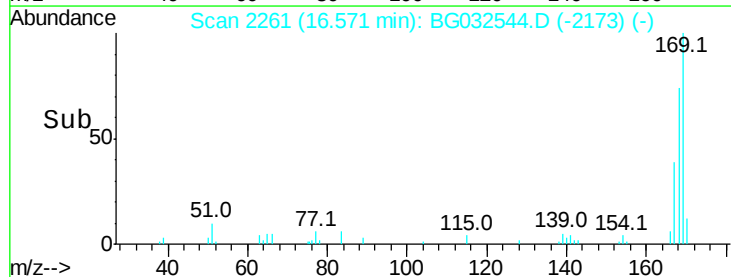
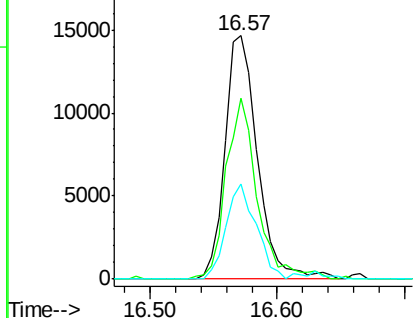


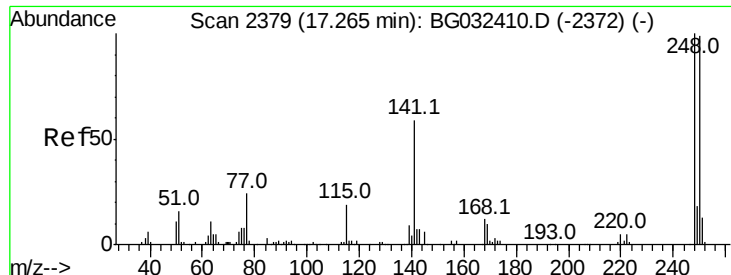
#65
n-Nitrosodiphenylamine
Concen: 5.274 ng
RT: 16.57 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:169 Resp: 25939
Ion Ratio Lower Upper
169 100
168 74.2 55.7 83.5
167 39.2 30.1 45.1



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

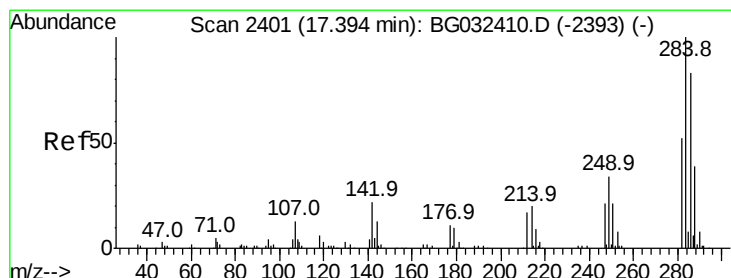
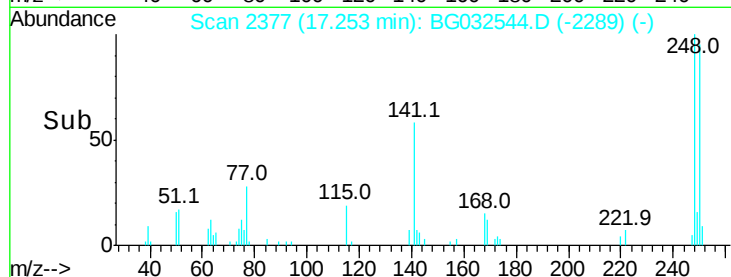
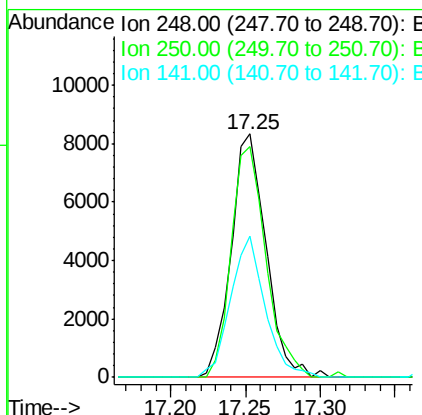
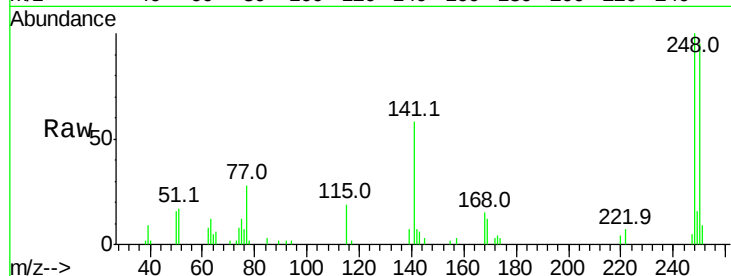




#66
4-Bromophenyl-phenylether
Concen: 5.566 ng
RT: 17.25 min Scan# 2377
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

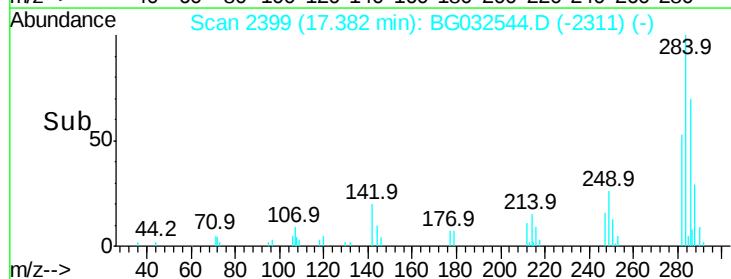
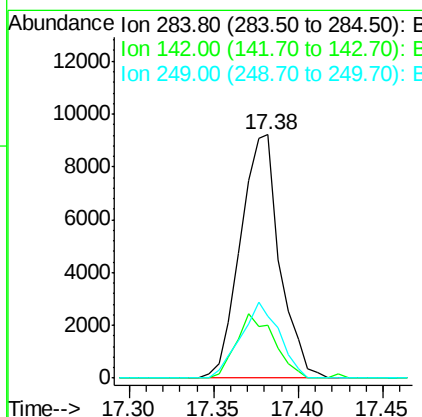
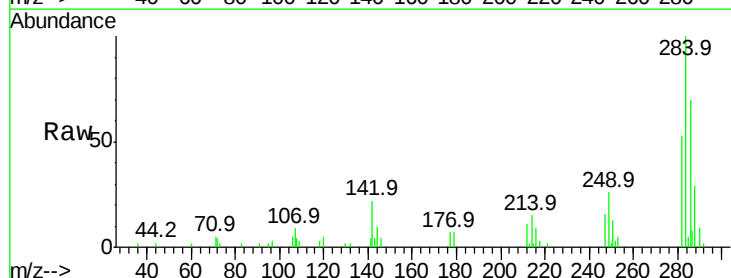
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

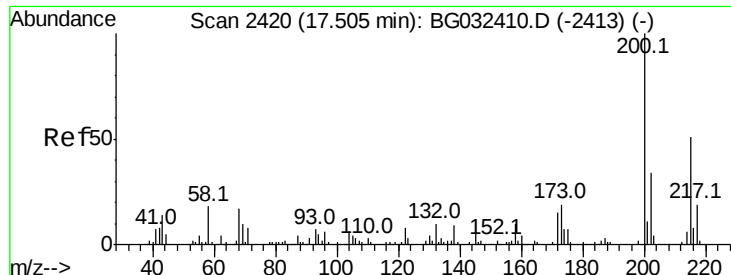
Tot Ion:248 Resp: 13589
Ion Ratio Lower Upper
248 100
250 94.8 77.1 115.7
141 58.0 50.8 76.2



#67
Hexachlorobenzene
Concen: 5.525 ng
RT: 17.38 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:284 Resp: 14929
Ion Ratio Lower Upper
284 100
142 21.6 26.8 40.2#
249 25.6 26.3 39.5#

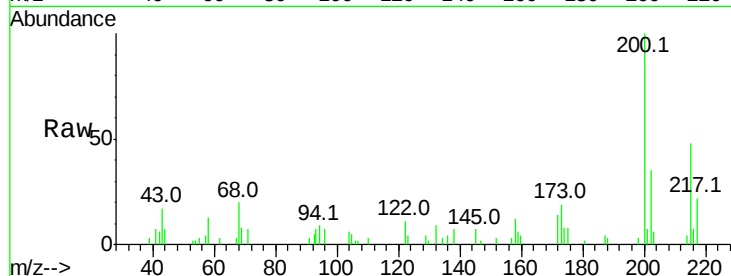




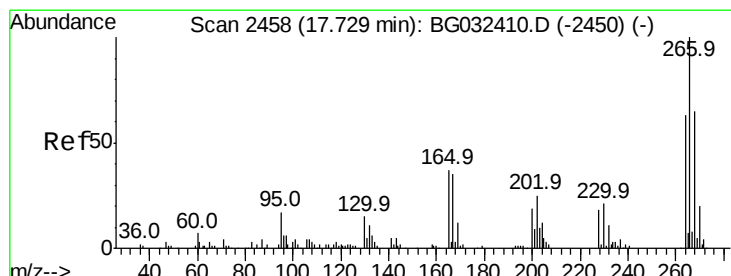
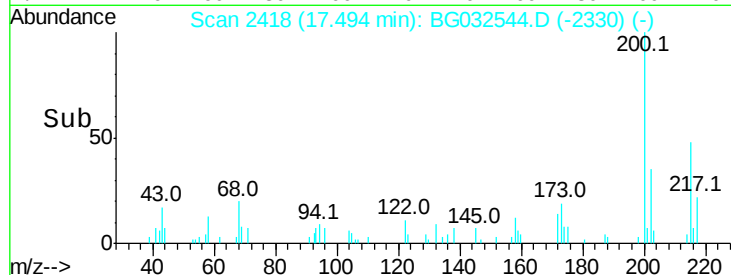
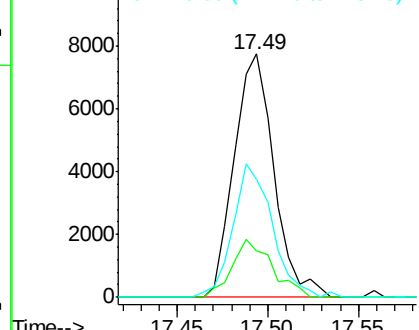
#68
Atrazine
Concen: 5.593 ng
RT: 17.49 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

Tot Ion:200 Resp: 11808
Ion Ratio Lower Upper
200 100
173 18.9 5.2 45.2
215 48.4 30.4 70.4

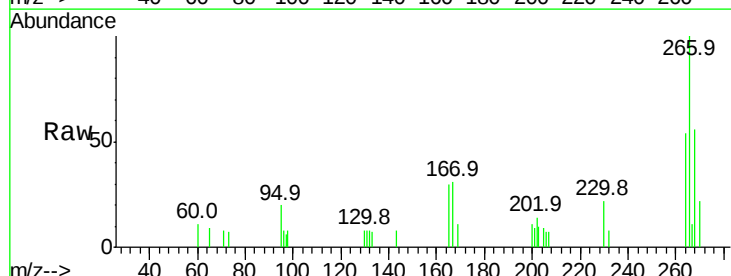


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

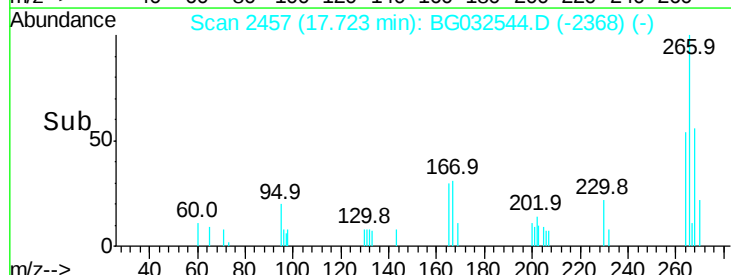
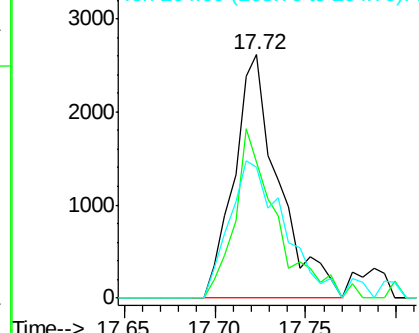


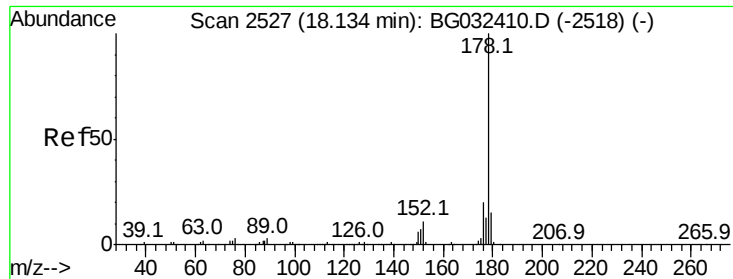
#69
Pentachlorophenol
Concen: 2.639 ng
RT: 17.72 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:266 Resp: 4467
Ion Ratio Lower Upper
266 100
268 55.7 51.1 76.7
264 53.7 49.6 74.4



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

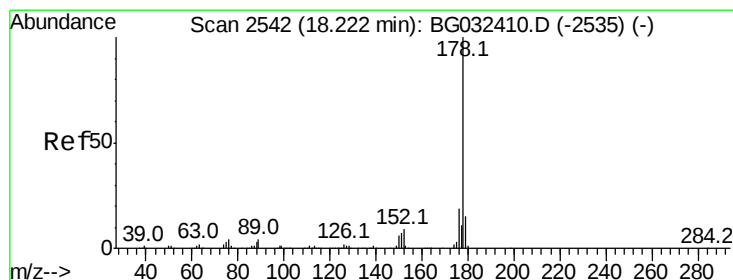
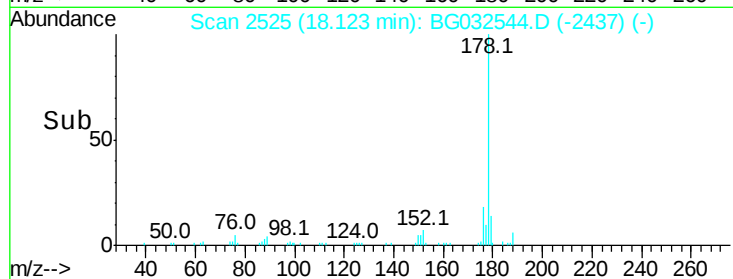
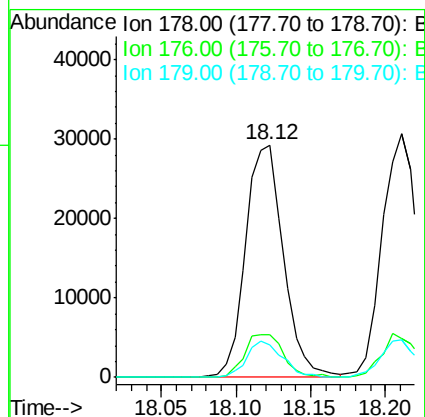
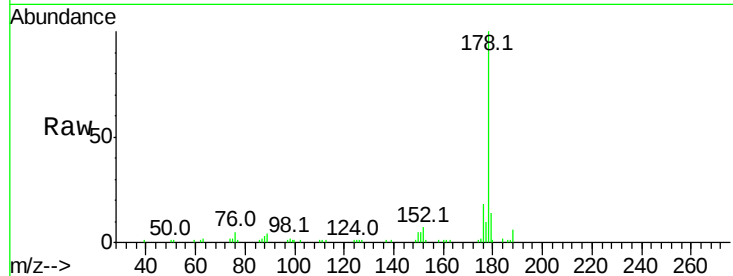




#70
 Phenanthrene
 Concen: 5.587 ng
 RT: 18.12 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

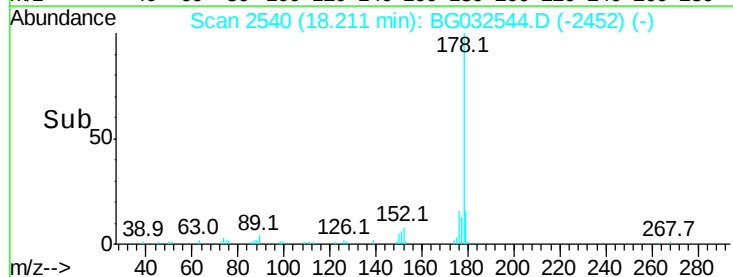
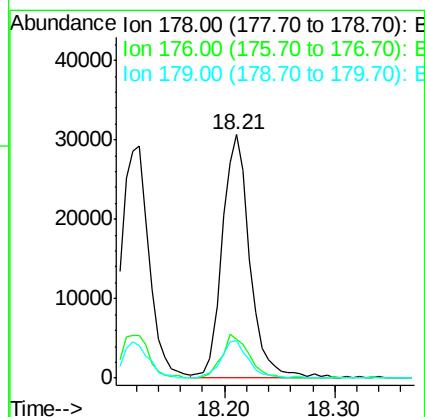
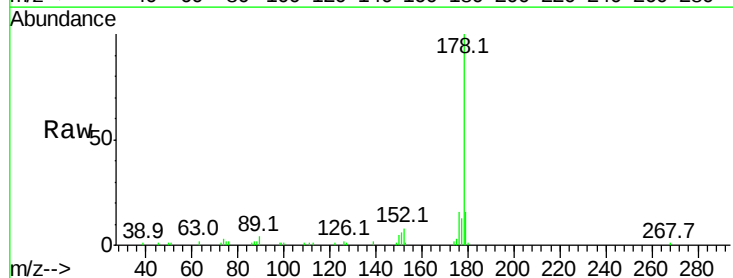
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

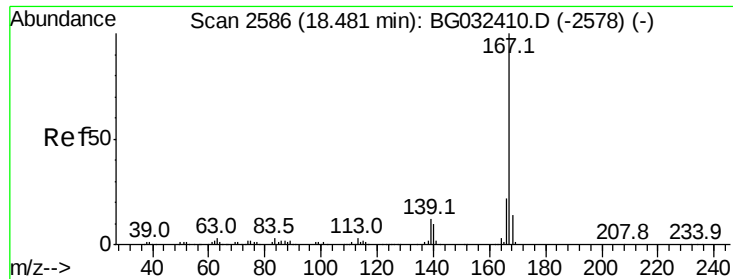
Tot Ion:178 Resp: 51345
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 14.2 12.5 18.7



#71
 Anthracene
 Concen: 5.860 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion:178 Resp: 53625
 Ion Ratio Lower Upper
 178 100
 176 16.1 16.0 24.0
 179 15.5 12.5 18.7





#72

Carbazole

Concen: 5.480 ng

RT: 18.48 min Scan# 2585

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

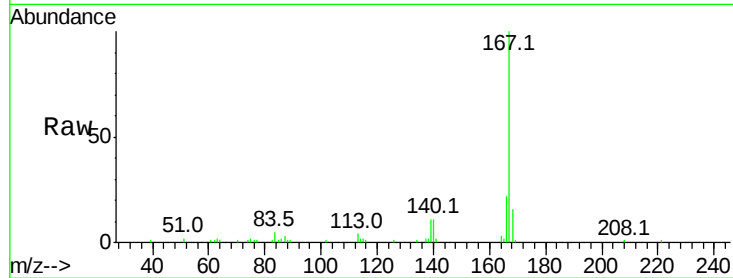
Tot Ion:167 Resp: 44309

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.4

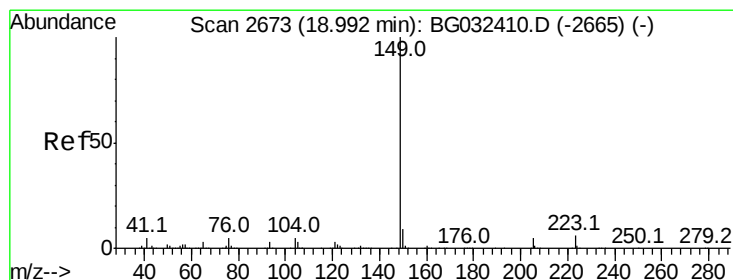
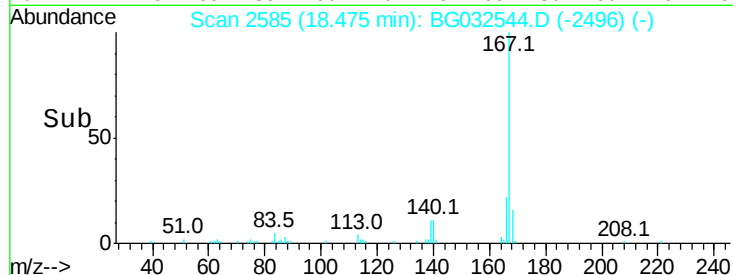
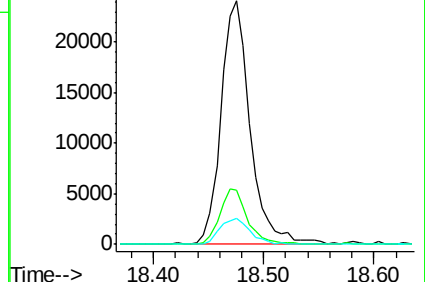
139 10.9 9.4 14.2



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



#73

Di-n-butylphthalate

Concen: 5.833 ng

RT: 18.97 min Scan# 2670

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

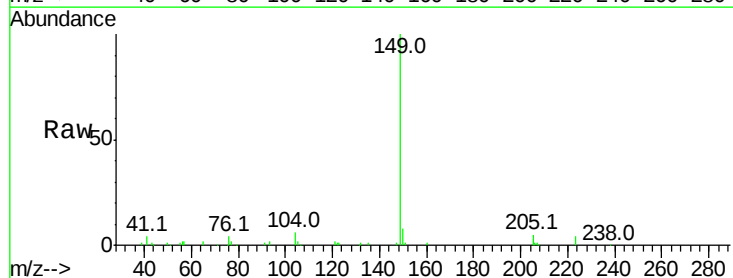
Tgt Ion:149 Resp: 52215

Ion Ratio Lower Upper

149 100

150 7.8 7.8 11.6

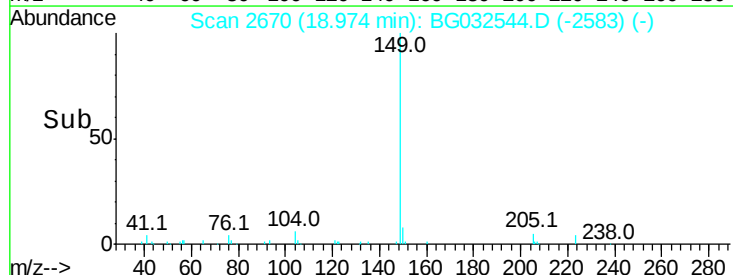
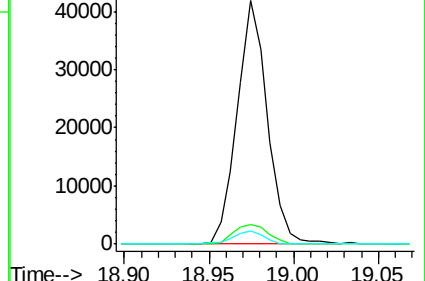
104 5.6 3.9 5.9

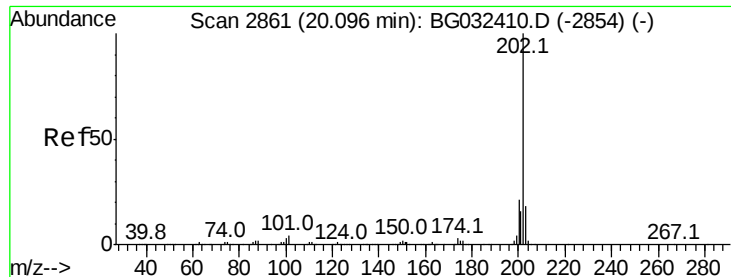


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 5.990 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

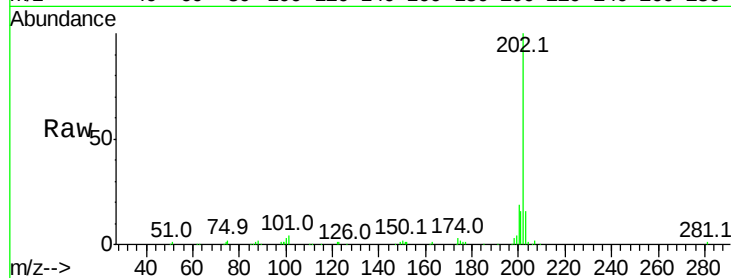
Tot Ion:202 Resp: 72198

Ion Ratio Lower Upper

202 100

101 4.4 0.0 28.9

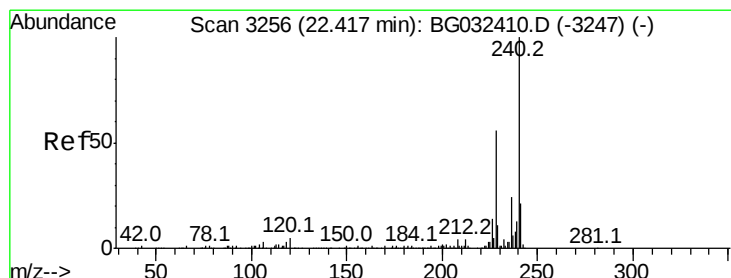
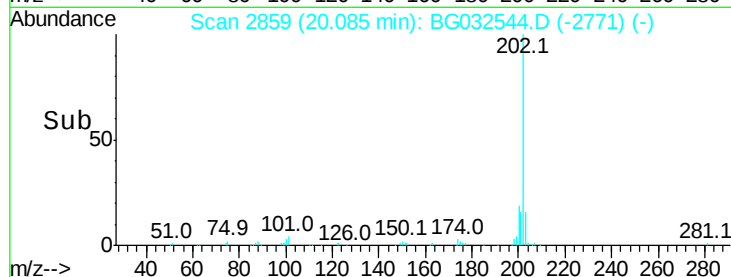
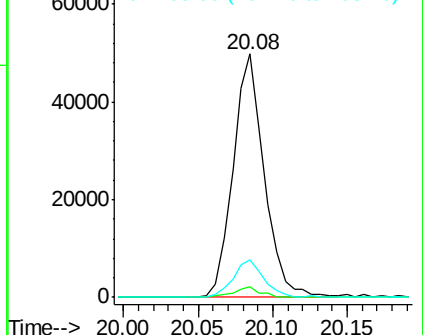
203 15.6 0.0 37.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.40 min Scan# 3253

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

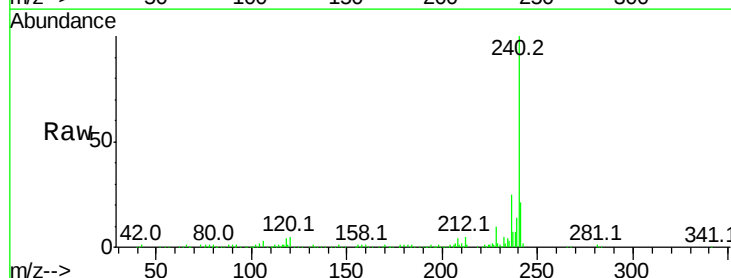
Tgt Ion:240 Resp: 229805

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

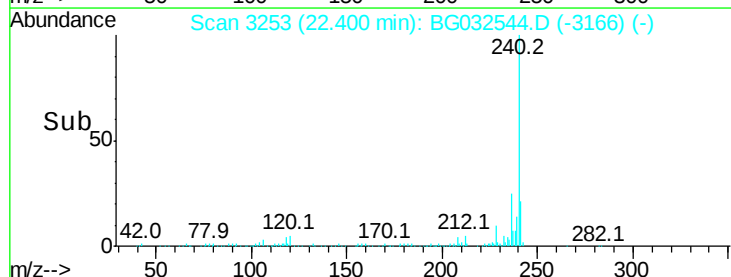
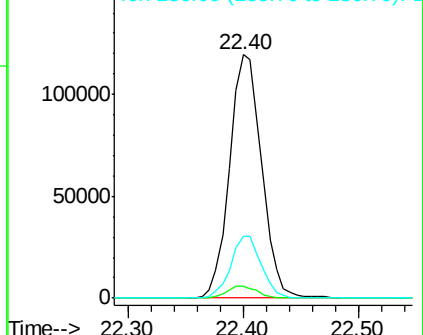
236 25.3 20.9 31.3

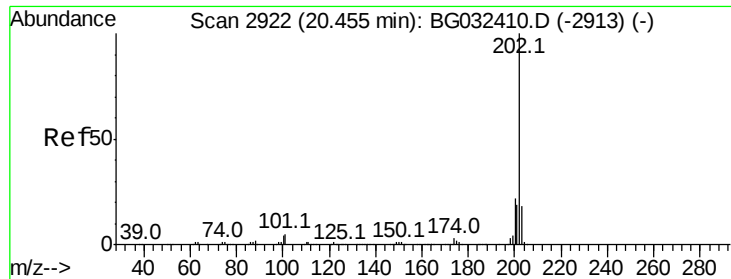


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

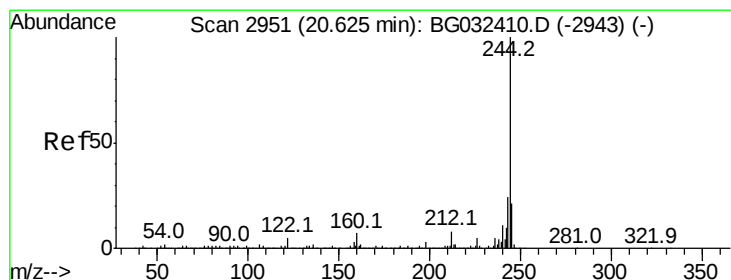
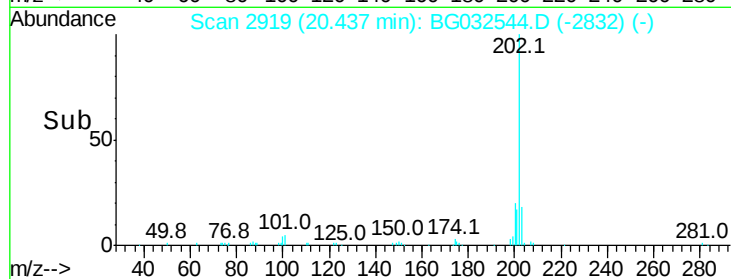
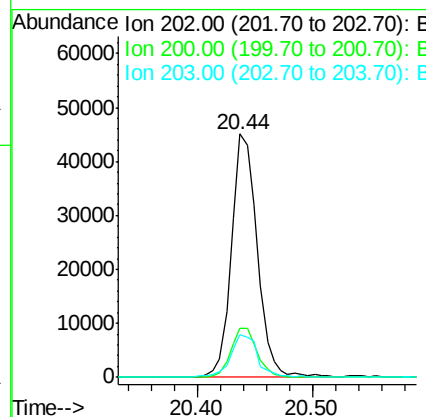
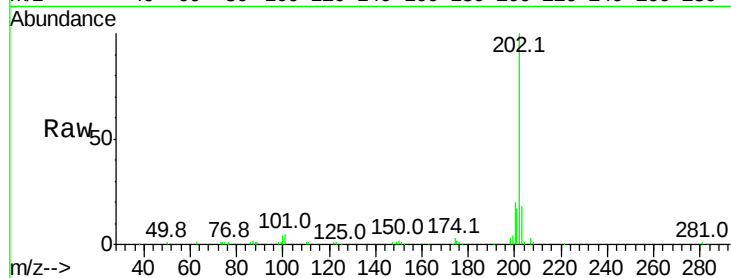




#77
Pvrene
Concen: 4.974 ng
RT: 20.44 min Scan# 2919
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

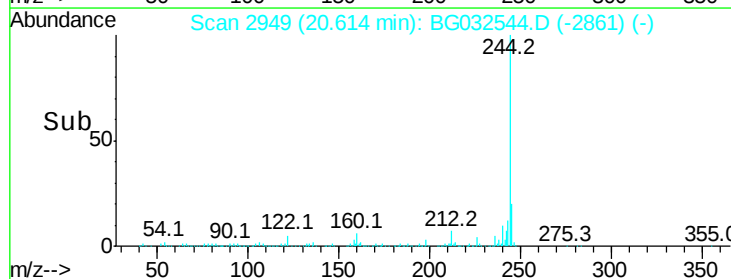
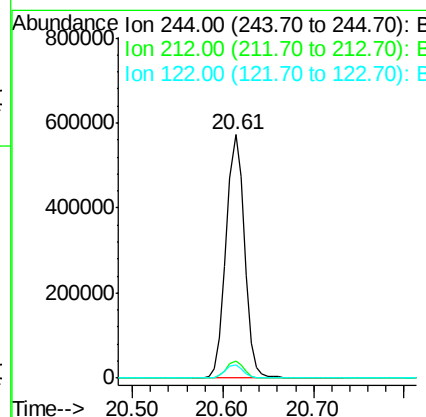
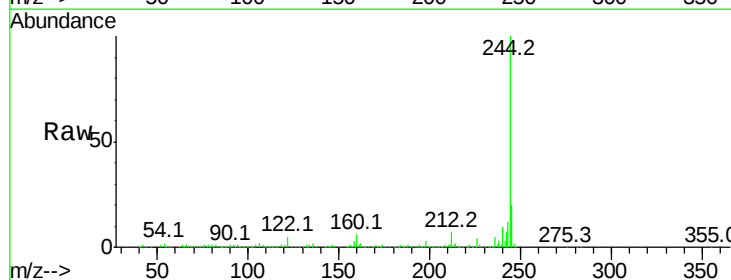
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

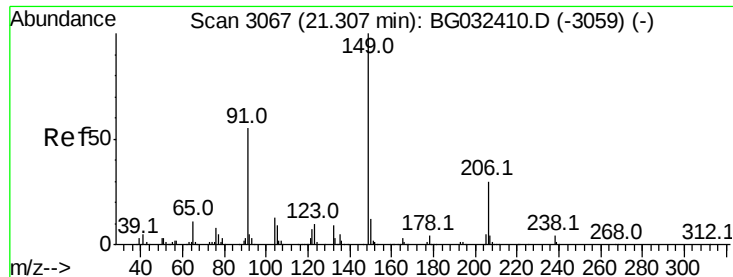
Tot Ion:202 Resp: 70104
Ion Ratio Lower Upper
202 100
200 20.3 16.9 25.3
203 17.6 13.9 20.9



#78
Terphenyl-d14
Concen: 74.912 ng
RT: 20.61 min Scan# 2949
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:244 Resp: 803661
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 5.3 7.0 10.4#

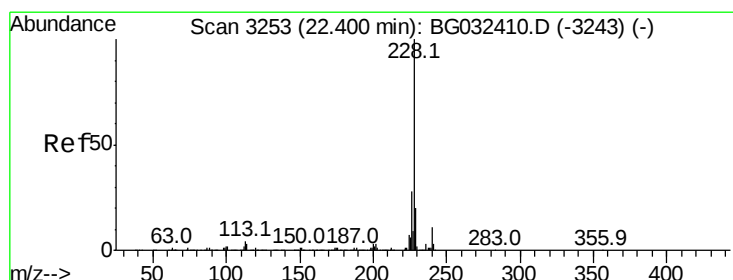
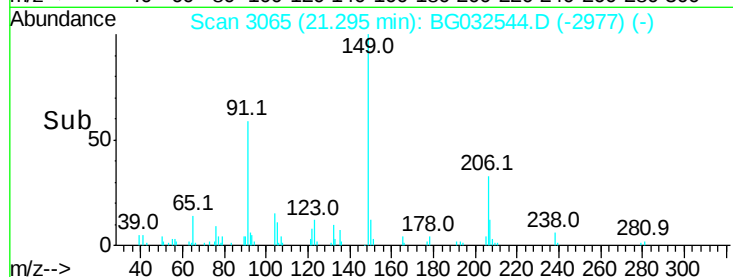
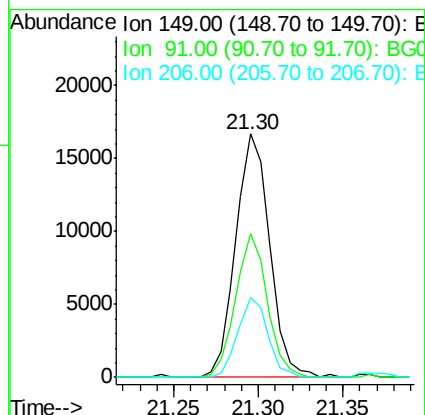
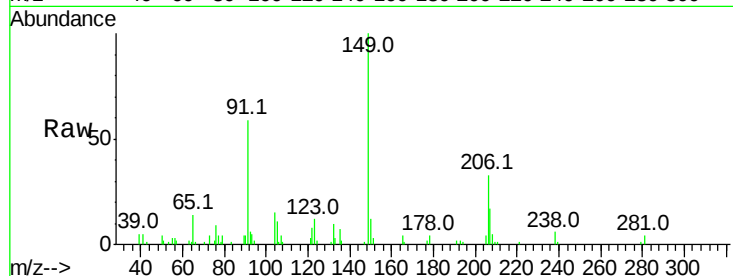




#79
Butylbenzylphthalate
Concen: 5.255 ng
RT: 21.30 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

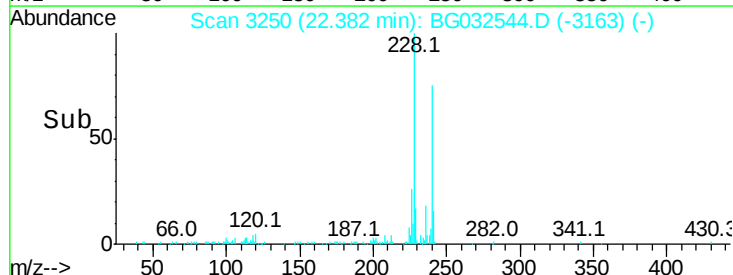
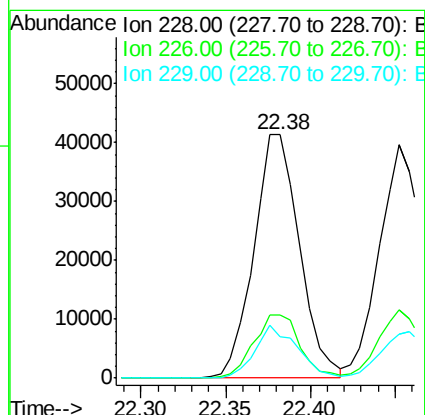
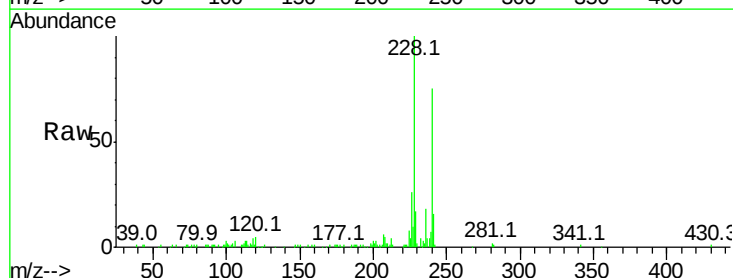
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

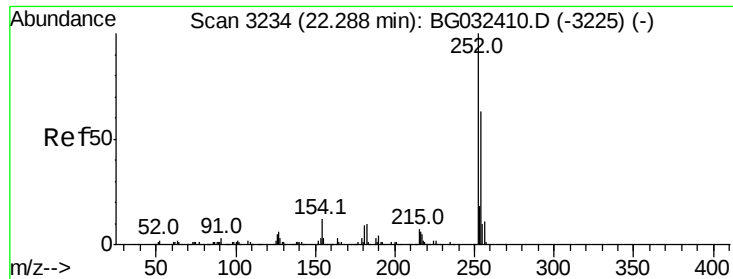
Tot Ion:149 Resp: 23361
Ion Ratio Lower Upper
149 100
91 59.2 62.2 93.2#
206 32.7 18.6 27.8#



#80
Benzo(a)anthracene
Concen: 5.451 ng
RT: 22.38 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:228 Resp: 77654
Ion Ratio Lower Upper
228 100
226 25.8 22.7 34.1
229 17.2 16.2 24.2

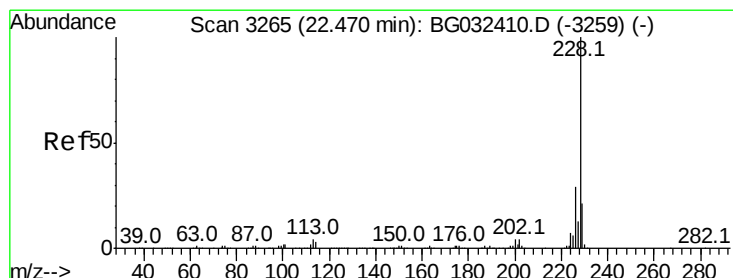
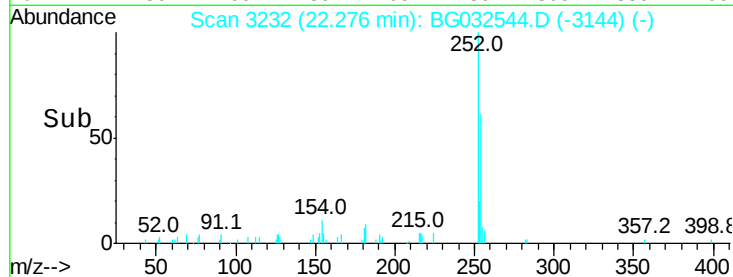
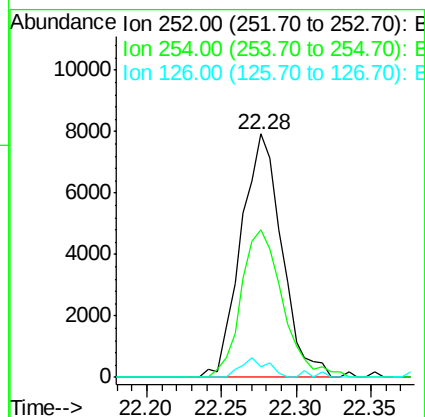
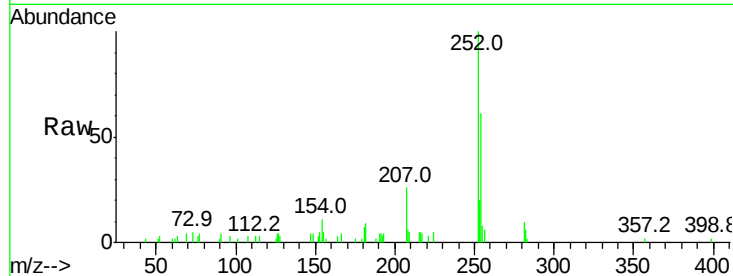




#81
 3,3'-Dichlorobenzidine
 Concen: 2.721 ng
 RT: 22.28 min Scan# 3232
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

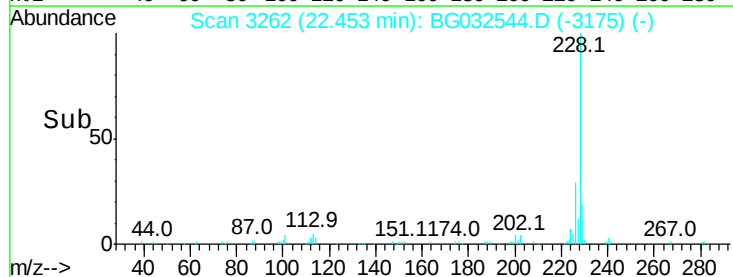
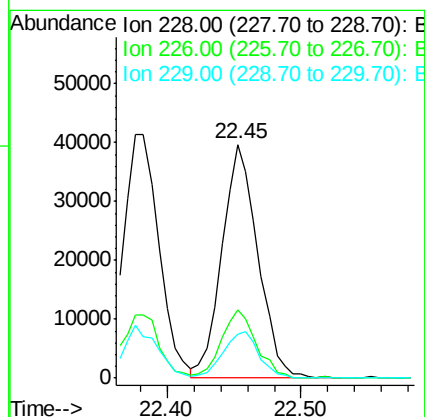
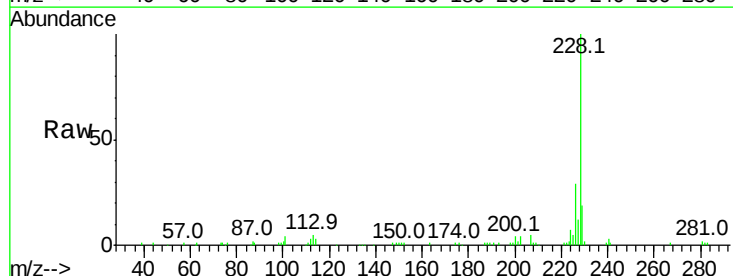
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

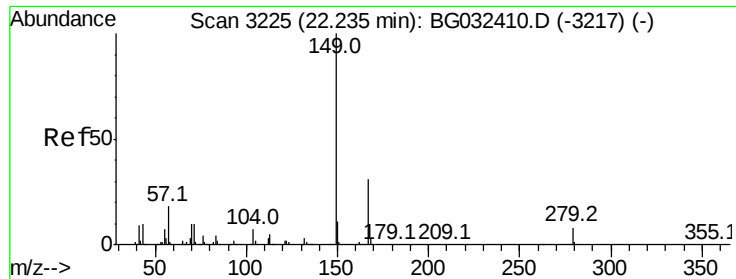
Tot Ion:252 Resp: 15017
 Ion Ratio Lower Upper
 252 100
 254 60.5 50.8 76.2
 126 4.4 7.4 11.2#



#82
 Chrysene
 Concen: 5.415 ng
 RT: 22.45 min Scan# 3262
 Delta R.T. -0.02 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion:228 Resp: 74503
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.9 37.3
 229 18.6 15.0 22.4

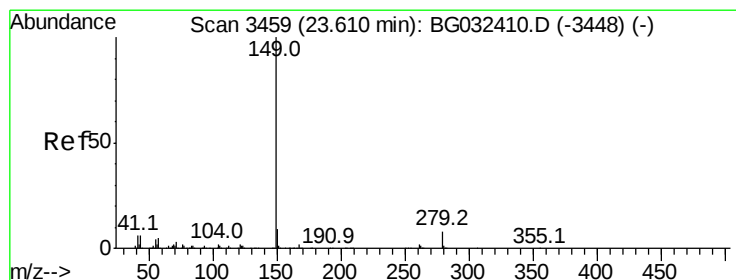
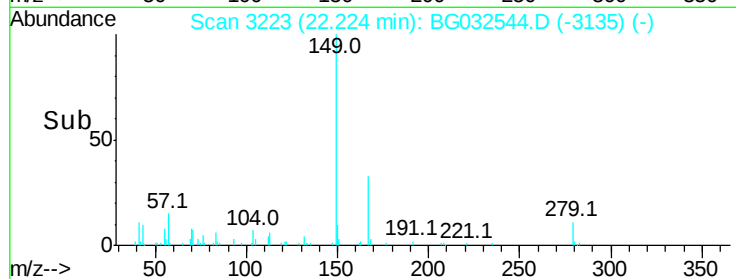
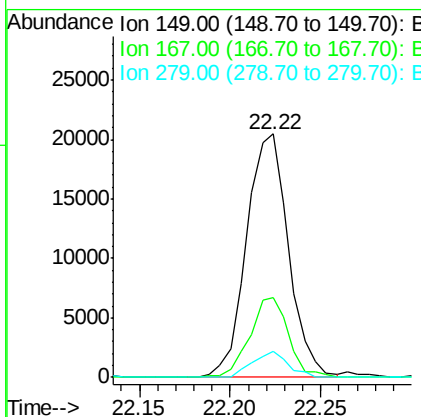
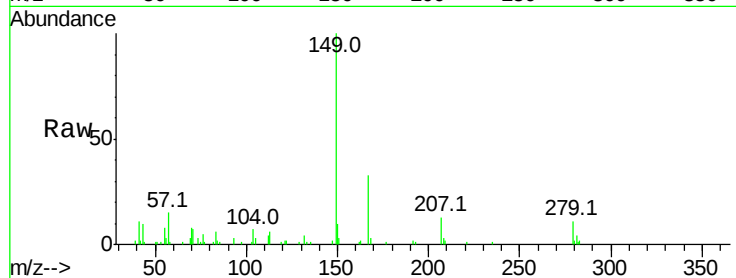




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.255 ng
 RT: 22.22 min Scan# 3223
 Delta R.T. -0.01 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

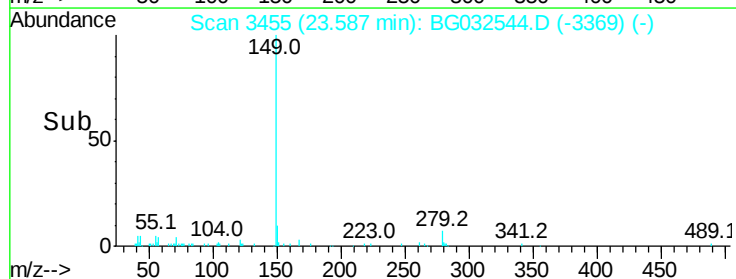
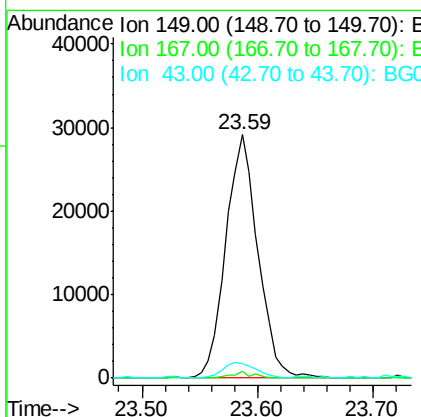
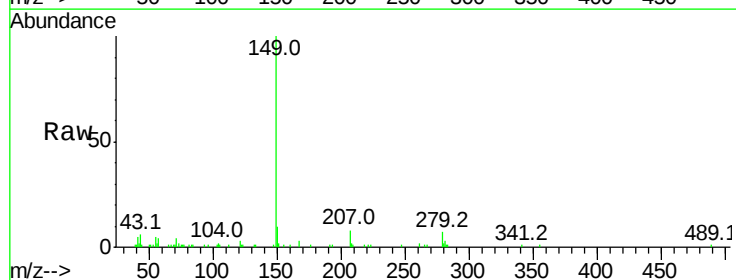
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

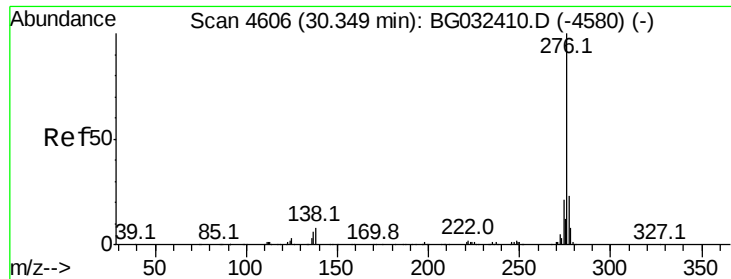
Tot Ion	Ratio	Lower	Upper
149	100		
167	32.9	24.3	36.5
279	10.6	4.0	6.0



#84
 Di-n-octyl phthalate
 Concen: 5.614 ng
 RT: 23.59 min Scan# 3455
 Delta R.T. -0.02 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	6.6	8.9	13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.359 ng

RT: 30.31 min Scan# 4599

Delta R.T. -0.04 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

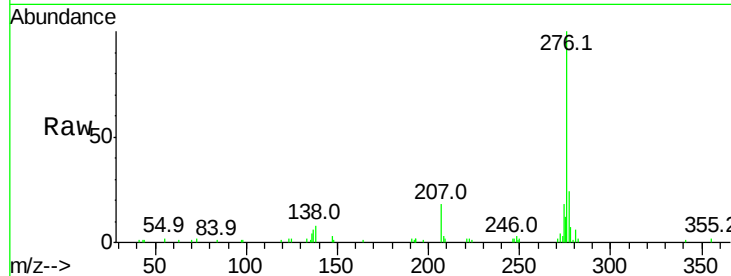
Tot Ion:276 Resp: 41052

Ion Ratio Lower Upper

276 100

138 9.1 16.0 24.0#

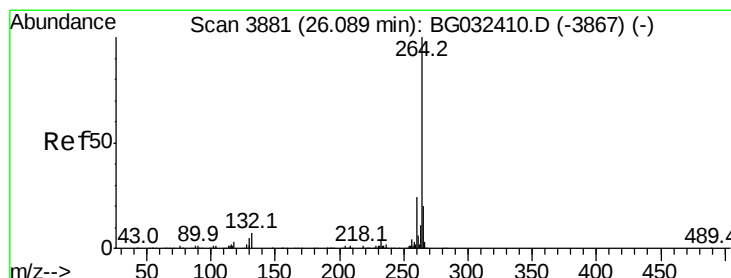
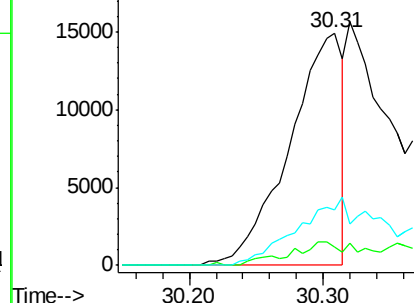
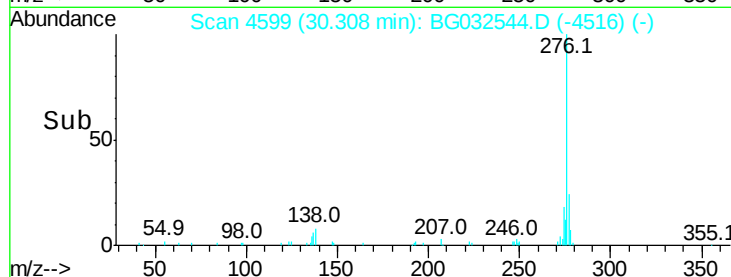
277 30.5 20.0 30.0#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.07 min Scan# 3878

Delta R.T. -0.02 min

Lab File: BG032544.D

Acq: 5 Feb 2018 21:33

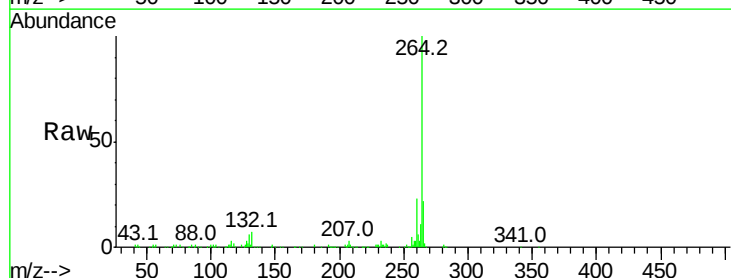
Tgt Ion:264 Resp: 258016

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

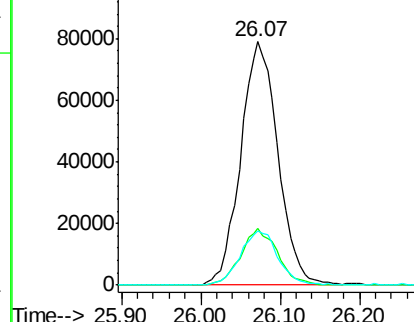
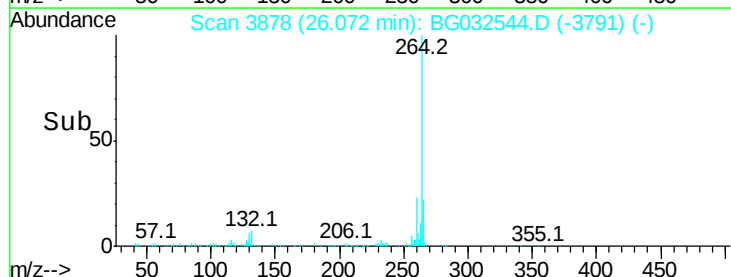
265 22.0 17.7 26.5

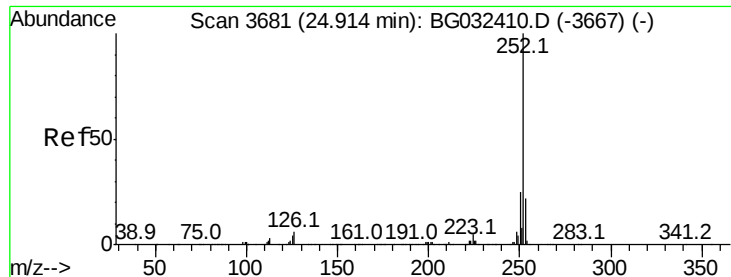


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

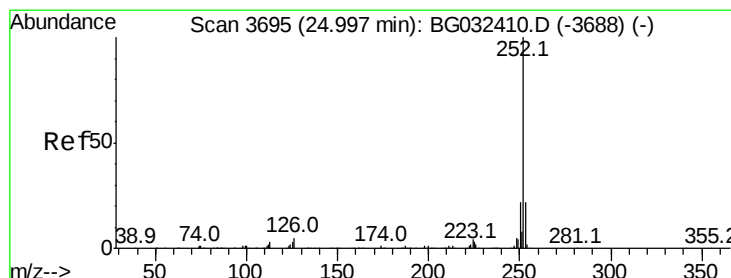
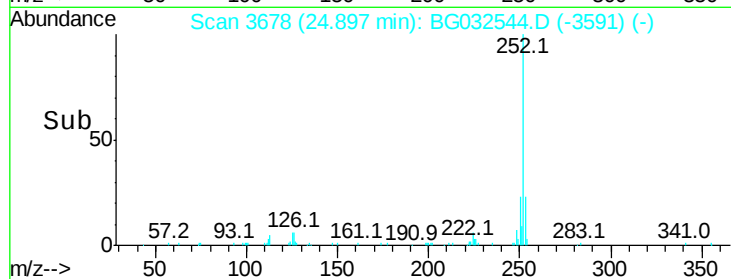
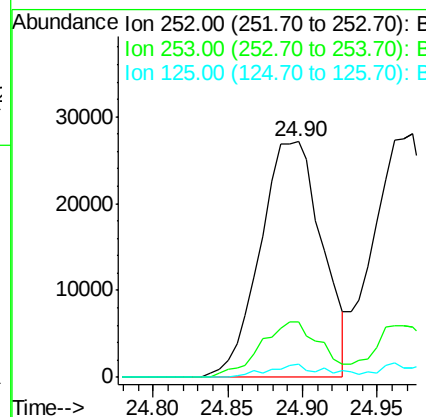
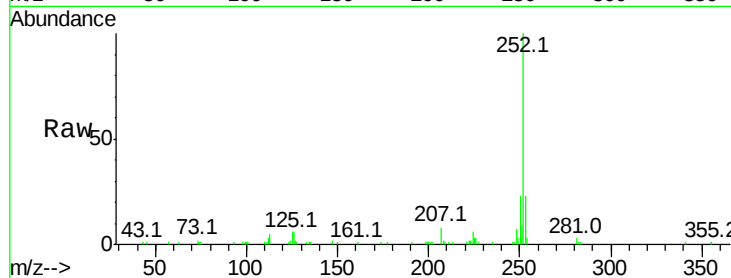




#87
Benzo(b)fluoranthene
Concen: 5.017 ng
RT: 24.90 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

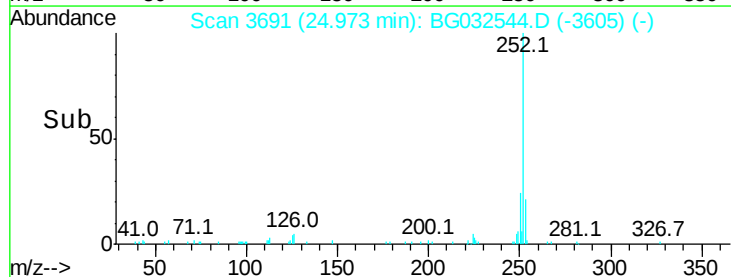
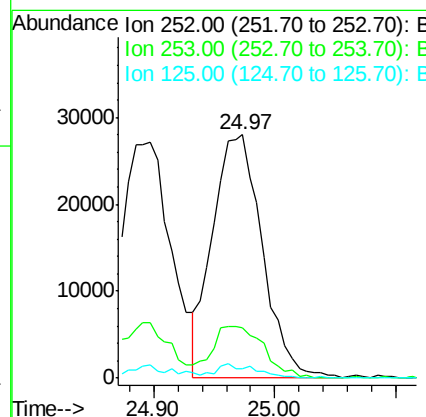
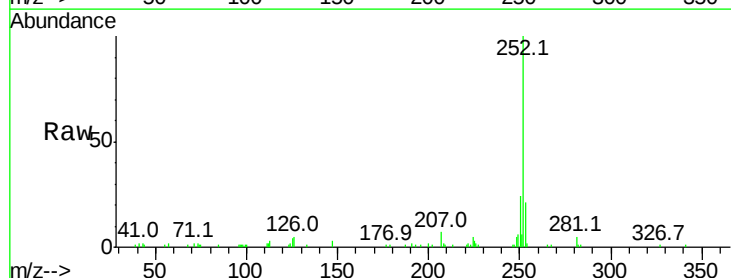
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

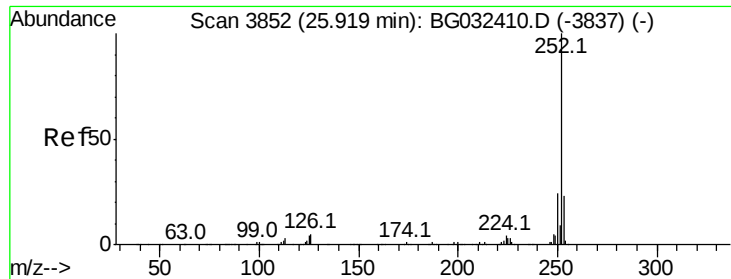
Tot Ion:252 Resp: 78216
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.4
125 5.7 7.2 10.8#



#88
Benzo(k)fluoranthene
Concen: 5.177 ng
RT: 24.97 min Scan# 3691
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:252 Resp: 79959
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.2
125 3.9 6.6 9.8#

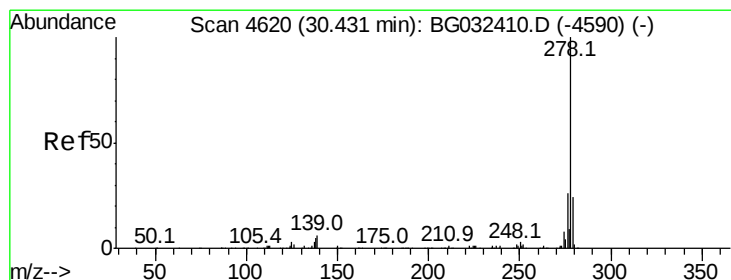
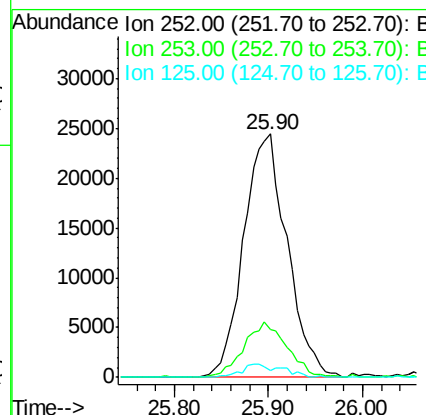
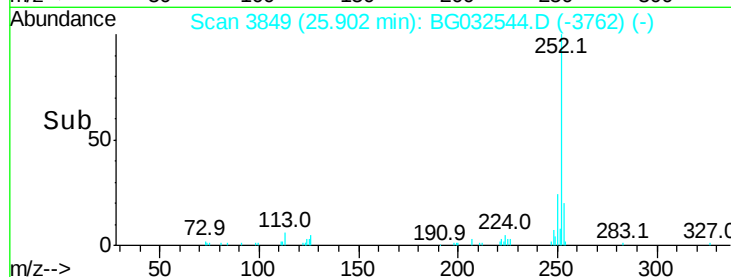
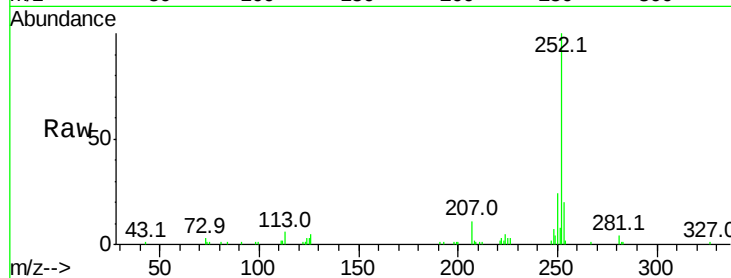




#89
Benzo(a)pyrene
Concen: 5.251 ng
RT: 25.90 min Scan# 3849
Delta R.T. -0.02 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

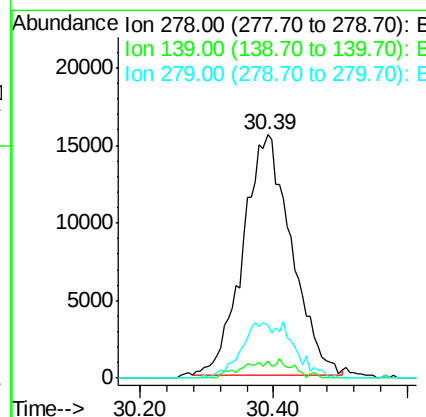
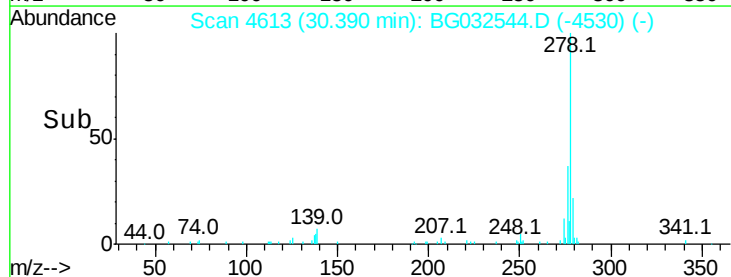
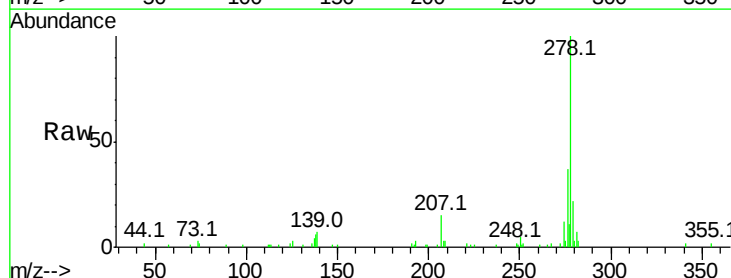
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

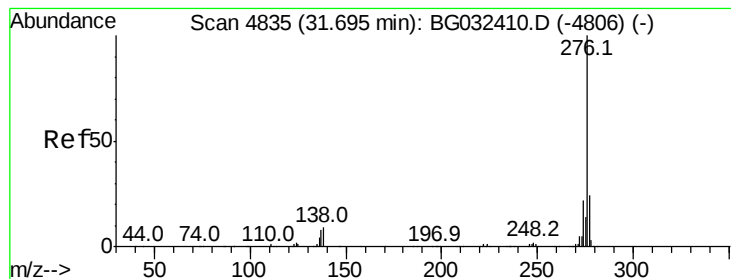
Tot Ion:252 Resp: 78049
Ion Ratio Lower Upper
252 100
253 19.9 18.3 27.5
125 2.8 7.3 10.9#



#90
Dibenzo(a,h)anthracene
Concen: 5.130 ng
RT: 30.39 min Scan# 4613
Delta R.T. -0.04 min
Lab File: BG032544.D
Acq: 5 Feb 2018 21:33

Tgt Ion:278 Resp: 77998
Ion Ratio Lower Upper
278 100
139 7.2 9.8 14.6#
279 21.6 18.4 27.6

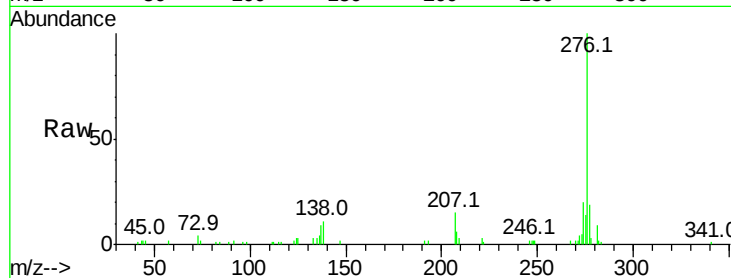




#91
 Benzo(a,h,i)perylene
 Concen: 5.340 ng
 RT: 31.64 min Scan# 4825
 Delta R.T. -0.06 min
 Lab File: BG032544.D
 Acq: 5 Feb 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
276	100		
277	18.9	18.3	27.5
138	10.6	13.9	20.9



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

