

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032543.D
 Acq On : 5 Feb 2018 20:55
 Operator : SJ/JU
 Sample : J1161-03
 Misc : MDL 5PPM
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Feb 06 03:22:31 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	22387	20.00	ng	-0.02
21) Naphthalene-d8	11.59	136	98817	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	64954	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	170867	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	220087	20.00	ng	-0.01
86) Perylene-d12	26.08	264	250020	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	149599	134.22	ng	0.00
7) Phenol-d6	7.83	99	181366	121.94	ng	0.00
23) Nitrobenzene-d5	9.90	82	118466	74.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	168534	136.31	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	454079	83.09	ng	-0.02
78) Terphenyl-d14	20.61	244	915849	89.14	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.82	88	1262	3.365	ng	# 81
3) Pyridine	4.27	79	3026	2.988	ng	# 73
4) n-Nitrosodimethylamine	4.17	42	1574	2.986	ng	# 48
8) 2-Chlorophenol	8.25	128	4983	3.782	ng	# 89
9) Benzaldehyde	7.82	77	3709	4.828	ng	# 45
10) Phenol	7.86	94	5712	4.044	ng	# 63
11) bis(2-Chloroethyl)ether	8.10	93	3741	3.476	ng	# 66
12) 1,3-Dichlorobenzene	8.59	146	7010	3.934	ng	# 83
13) 1,4-Dichlorobenzene	8.74	146	6695	3.749	ng	# 90
14) 1,2-Dichlorobenzene	8.74	146	6695	3.827	ng	# 95
15) Benzyl Alcohol	8.94	79	3431	2.799	ng	# 95
16) 2,2'-oxybis(1-Chloropropan	9.23	45	3889	3.814	ng	# 74
17) 2-Methylphenol	9.16	107	4025	3.509	ng	# 75
18) Hexachloroethane	9.82	117	2499	4.168	ng	# 92
19) n-Nitroso-di-n-propylamine	9.51	70	2964	3.006	ng	# 90
20) 3+4-Methylphenols	9.48	107	5305	3.297	ng	# 90
22) Acetophenone	9.54	105	7219	3.116	ng	# 93
24) Nitrobenzene	9.94	77	5606	3.664	ng	# 83
25) Isophorone	10.46	82	10447	3.878	ng	# 88
26) 2-Nitrophenol	10.67	139	3549	3.838	ng	# 59
27) 2,4-Dimethylphenol	10.71	122	4715	3.552	ng	# 74
28) bis(2-Chloroethoxy)methane	10.95	93	5035	3.408	ng	# 94
29) 2,4-Dichlorophenol	11.22	162	6050	3.441	ng	# 79
30) 1,2,4-Trichlorobenzene	11.44	180	7828	3.340	ng	# 91
31) Naphthalene	11.64	128	18631	3.860	ng	# 93
32) Benzoic acid	10.83	122	191	7.447	ng	# 25
34) Hexachlorobutadiene	11.90	225	7063	3.874	ng	# 83
35) Caprolactam	12.45	113	1408	2.789	ng	# 33
36) 4-Chloro-3-methylphenol	12.82	107	6192	3.712	ng	# 92
37) 2-Methylnaphthalene	13.21	142	14635	3.609	ng	# 91
39) 1,2,4,5-Tetrachlorobenzene	13.56	216	10695	3.520	ng	# 95
40) Hexachlorocyclopentadiene	13.53	237	4706	2.479	ng	# 78
42) 2,4,6-Trichlorophenol	13.79	196	6094	3.687	ng	# 87
43) 2,4,5-Trichlorophenol	13.86	196	7219	3.747	ng	# 71

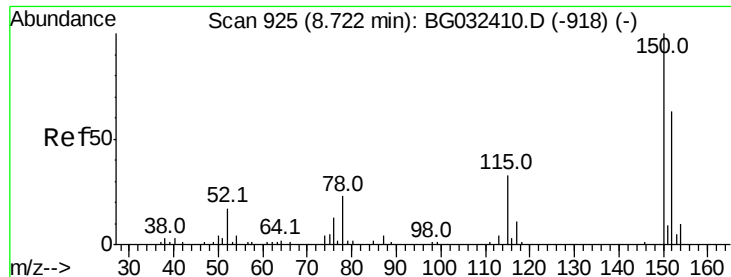
Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1'-Biphenyl	14.18	154	21358	3.892	nq	94
46) 2-Chloronaphthalene	14.23	162	16247	3.777	nq	95
47) 2-Nitroaniline	14.42	65	3061	3.218	nq #	78
48) Acenaphthylene	15.07	152	23946	3.683	nq	99
49) Dimethylphthalate	14.77	163	21382	3.570	nq #	98
50) 2,6-Dinitrotoluene	14.90	165	4104	3.265	nq #	69
51) Acenaphthene	15.40	154	15086	3.345	nq #	82
52) 3-Nitroaniline	15.24	138	2572	2.343	nq #	34
53) 2,4-Dinitrophenol	15.30	184	57	4.173	nq #	1
54) Dibenzofuran	15.74	168	26235	3.931	nq	99
56) 2,4-Dinitrotoluene	15.68	165	5952	3.326	nq #	66
57) Fluorene	16.38	166	21791	3.929	nq	95
58) 2,3,4,6-Tetrachlorophenol	15.96	232	7337	3.861	nq #	86
59) Diethylphthalate	16.11	149	22507	3.859	nq	96
60) 4-Chlorophenyl-phenylether	16.35	204	13763	3.935	nq	89
62) Azobenzene	16.65	77	12815	3.676	nq #	74
65) n-Nitrosodiphenylamine	16.57	169	16893	3.313	nq	95
66) 4-Bromophenyl-phenylether	17.25	248	9954	3.932	nq #	82
67) Hexachlorobenzene	17.38	284	11421	4.077	nq #	88
68) Atrazine	17.49	200	8791	4.016	nq	83
70) Phenanthrene	18.12	178	38018	3.990	nq	100
71) Anthracene	18.12	178	38018	4.007	nq	100
72) Carbazole	18.48	167	29869	3.563	nq	99
73) Di-n-butylphthalate	18.98	149	34380	3.704	nq	100
74) Fluoranthene	20.09	202	48736	3.900	nq	97
77) Pyrene	20.44	202	49054	3.634	nq	97
79) Butylbenzylphthalate	21.30	149	16838	3.955	nq #	70
80) Benzo(a)anthracene	22.38	228	54326	3.982	nq	93
82) Chrysene	22.45	228	55361	4.201	nq	99
83) Bis(2-ethylhexyl)phthalate	22.22	149	22910	3.795	nq #	97
84) Di-n-octyl phthalate	23.59	149	42049	4.391	nq #	94
85) Indeno(1,2,3-cd)pyrene	30.31	276	71601	4.295	nq #	78
87) Benzo(b)fluoranthene	24.89	252	56910	3.767	nq #	96
88) Benzo(k)fluoranthene	24.97	252	61409	4.103	nq #	91
89) Benzo(a)pyrene	25.89	252	56040	3.891	nq #	90
90) Dibenzo(a,h)anthracene	30.39	278	60569	4.111	nq #	94

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

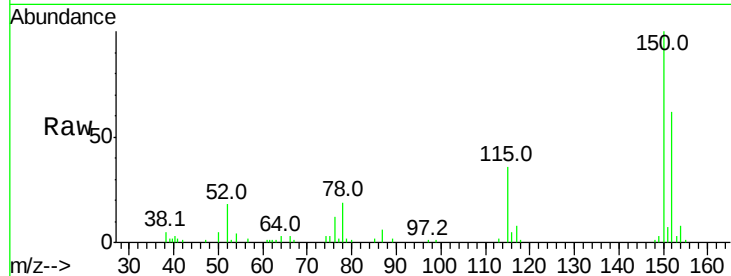


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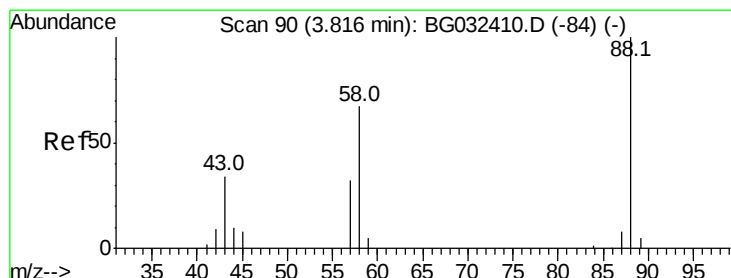
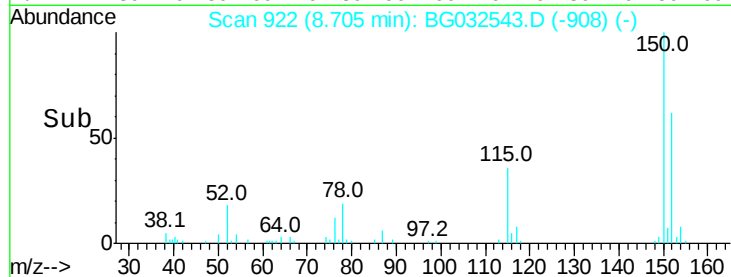
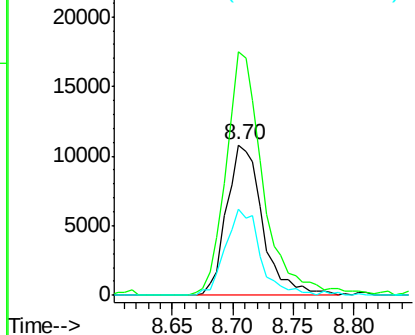
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.70 min Scan# 922
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

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

Tot Ion:152 Resp: 22387
Ion Ratio Lower Upper
152 100
150 161.8 126.6 189.8
115 57.7 53.0 79.4



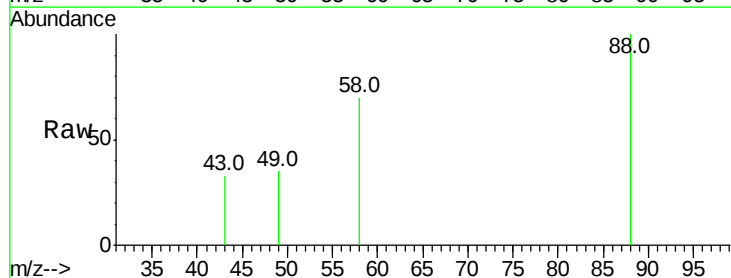
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



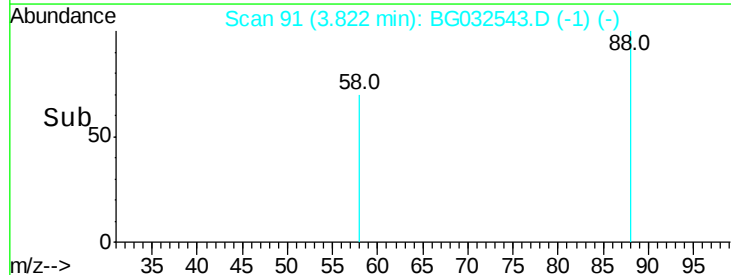
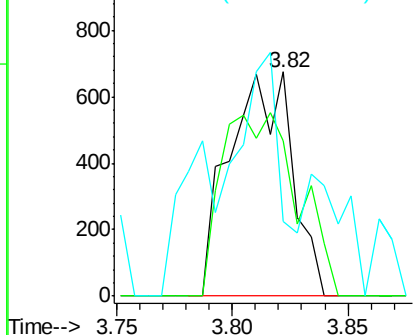
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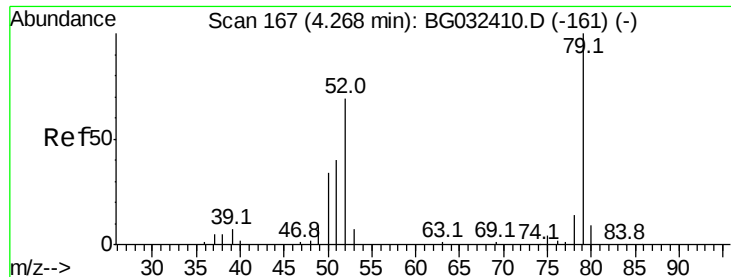
1,4-Dioxane
Concen: 3.365 ng
RT: 3.82 min Scan# 91
Delta R.T. 0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion: 88 Resp: 1262
Ion Ratio Lower Upper
88 100
58 100.2 79.6 119.4
43 74.6 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 2.988 ng

RT: 4.27 min Scan# 167

Delta R.T. 0.00 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

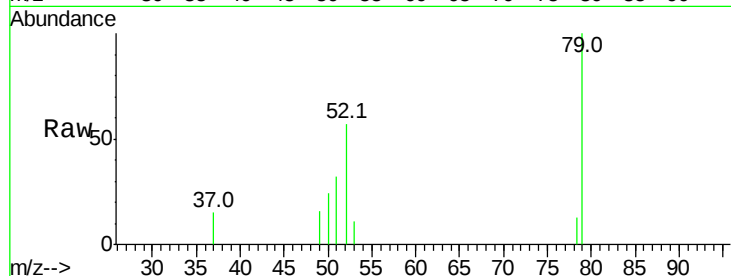
Tot Ion: 79 Resp: 3026

Ion Ratio Lower Upper

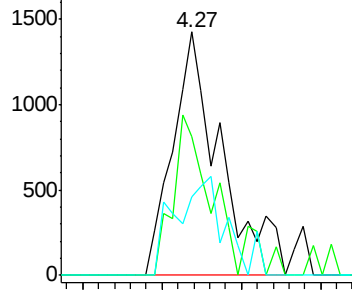
79 100

52 57.0 69.9 104.9#

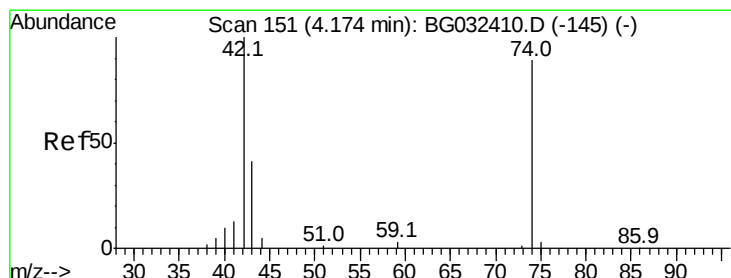
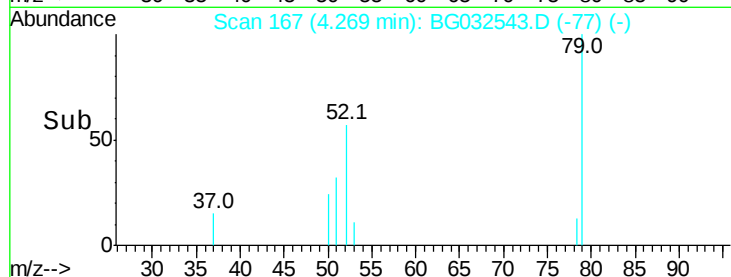
51 32.3 34.0 51.0#



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



Time-->



#4

n-Nitrosodimethylamine

Concen: 2.986 ng

RT: 4.17 min Scan# 150

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

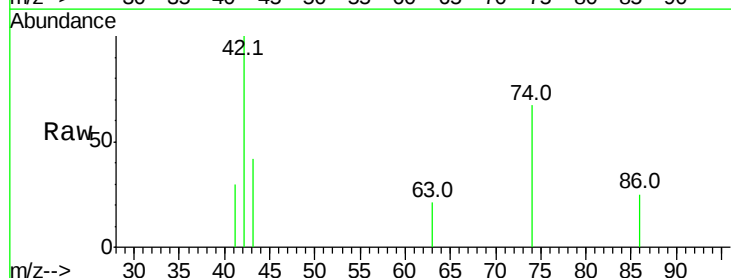
Tgt Ion: 42 Resp: 1574

Ion Ratio Lower Upper

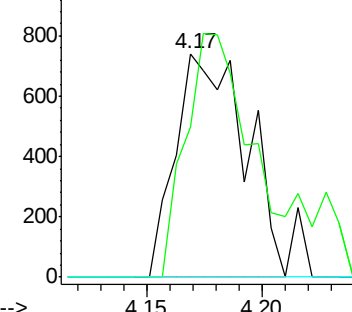
42 100

74 67.5 102.5 153.7#

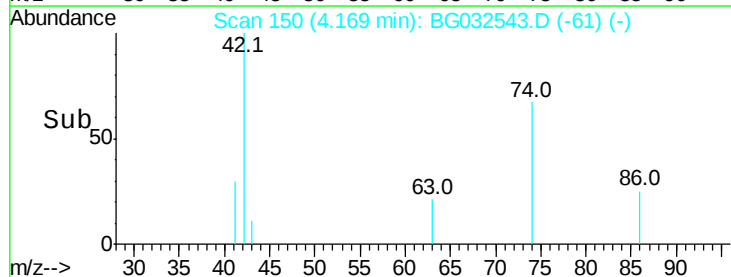
44 0.0 18.9 28.3#

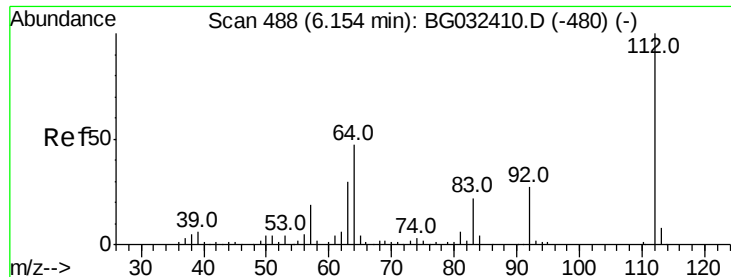


Abundance Ion 42.00 (41.70 to 42.70): BGC
Ion 74.00 (73.70 to 74.70): BGC
Ion 44.00 (43.70 to 44.70): BGC



Time-->





#5

2-Fluorophenol

Concen: 134.220 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

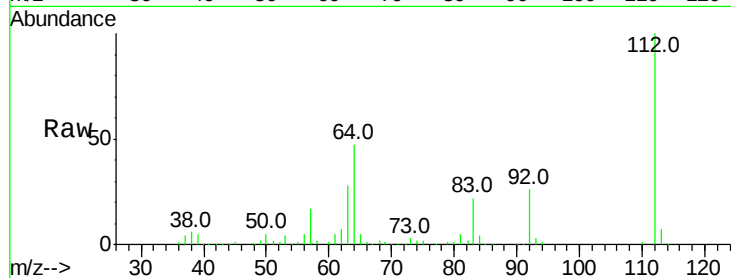
Tot Ion:112 Resp: 149599

Ion Ratio Lower Upper

112 100

64 46.8 56.3 84.5#

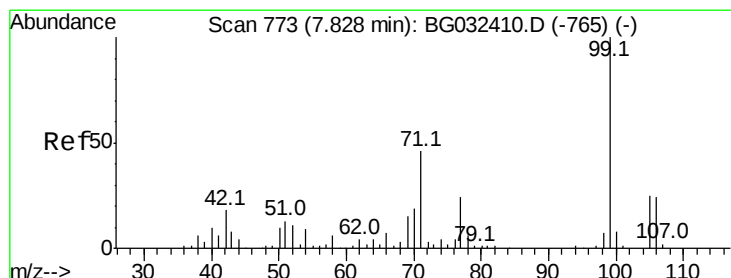
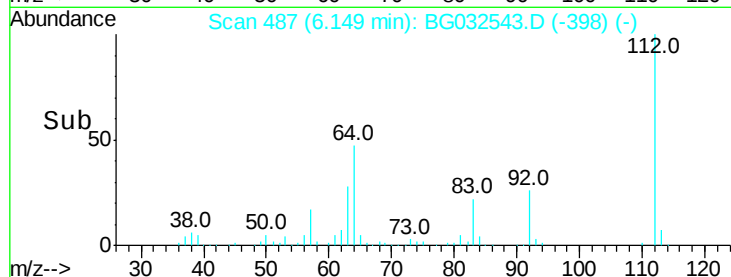
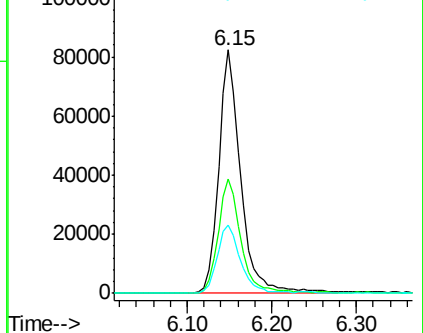
63 27.9 30.1 45.1#



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: 121.942 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

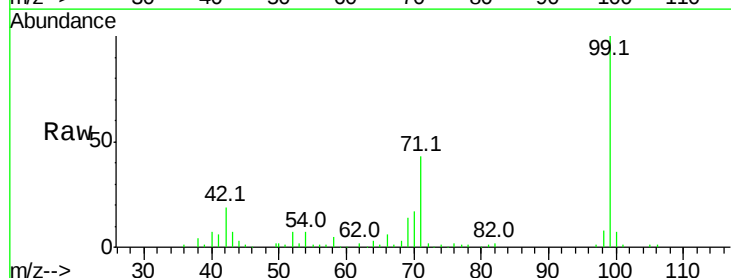
Tgt Ion: 99 Resp: 181366

Ion Ratio Lower Upper

99 100

42 18.6 14.1 21.1

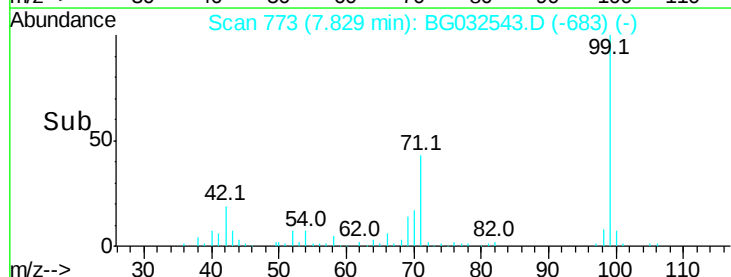
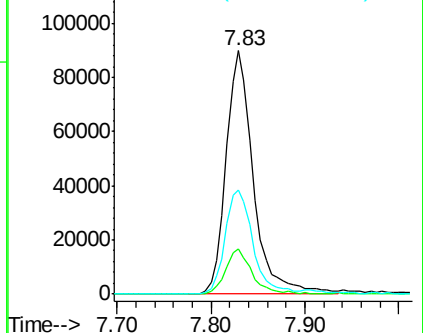
71 42.6 26.1 39.1#

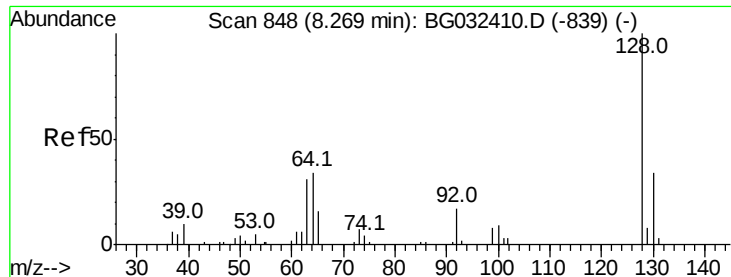


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#8

2-Chlorophenol

Concen: 3.782 ng

RT: 8.25 min Scan# 845

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

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ClientSampleId :

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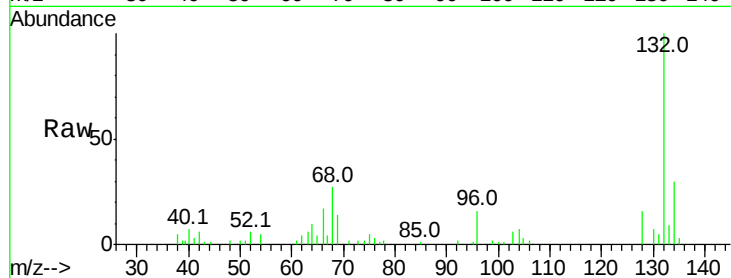
Tot Ion:128 Resp: 4983

Ion Ratio Lower Upper

128 100

130 42.8 14.0 54.0

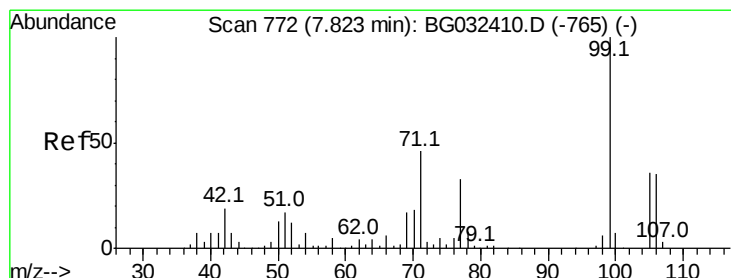
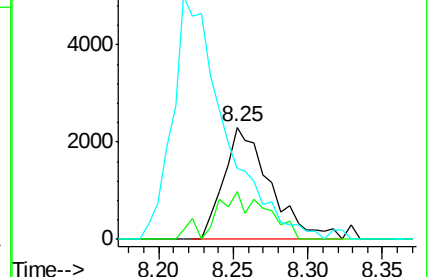
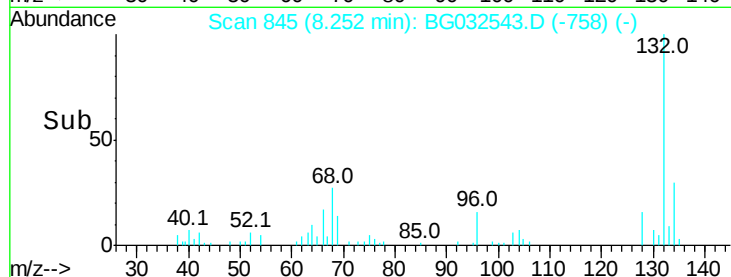
64 63.5 37.7 77.7



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: 4.828 ng

RT: 7.82 min Scan# 771

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

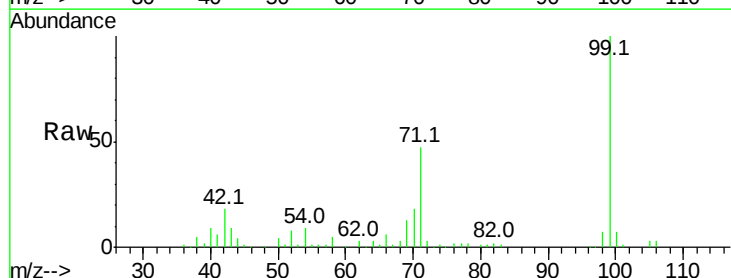
Tgt Ion: 77 Resp: 3709

Ion Ratio Lower Upper

77 100

105 148.1 71.3 111.3#

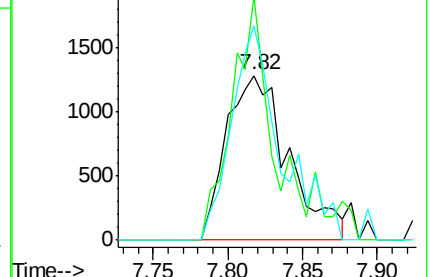
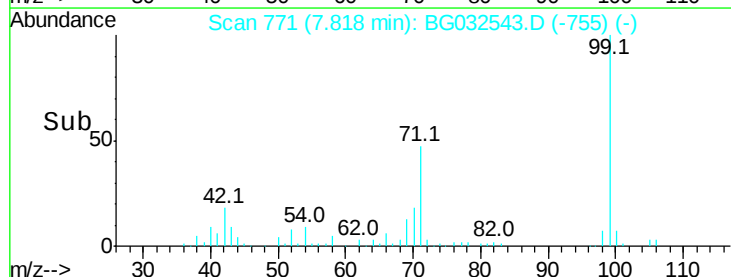
106 130.3 64.2 104.2#

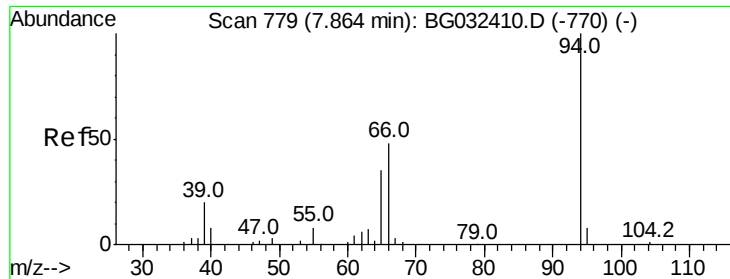


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.044 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

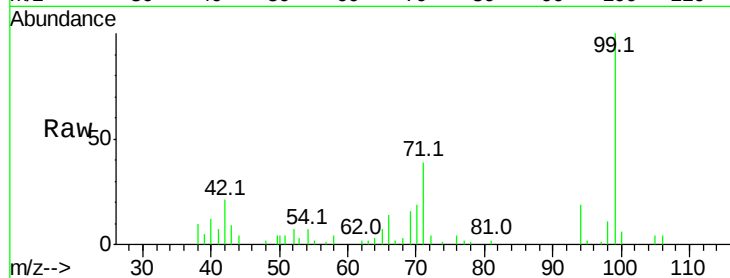
Tot Ion: 94 Resp: 5712

Ion Ratio Lower Upper

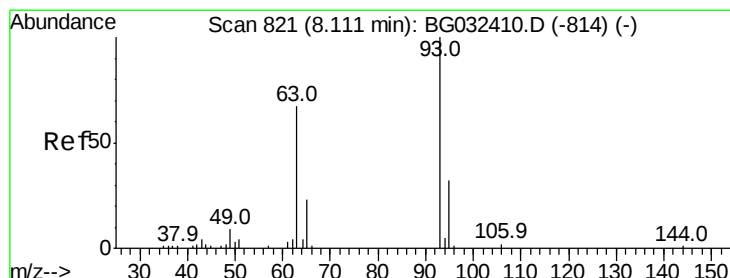
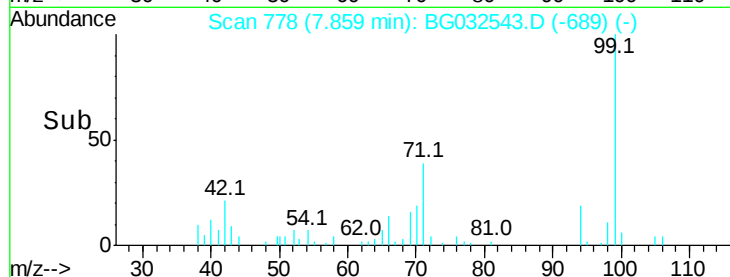
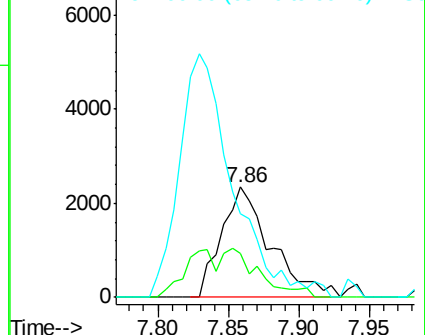
94 100

65 39.9 11.9 51.9

66 76.1 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: 3.476 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

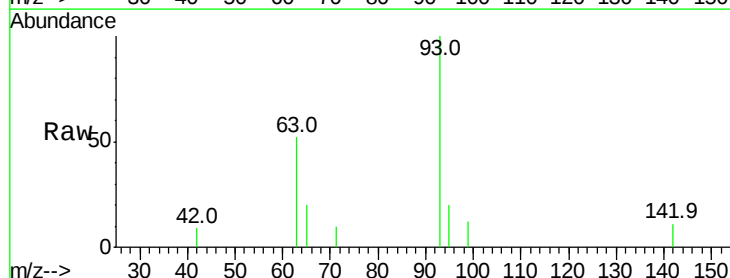
Tgt Ion: 93 Resp: 3741

Ion Ratio Lower Upper

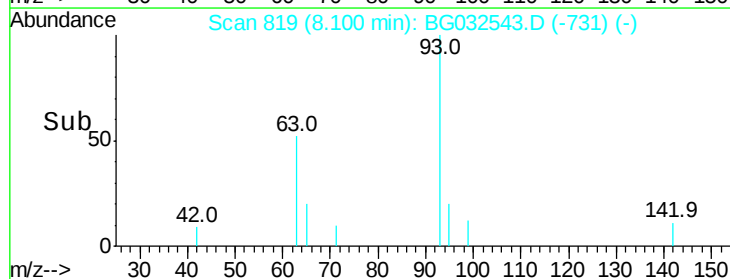
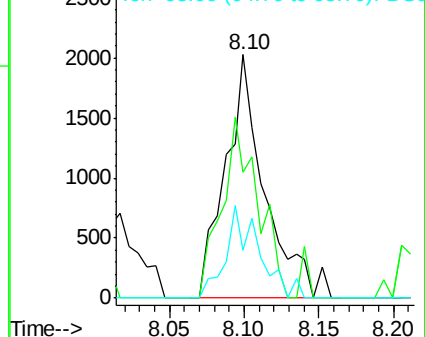
93 100

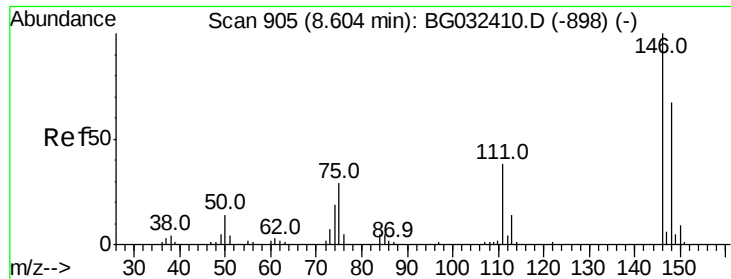
63 51.6 67.1 107.1#

95 19.8 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

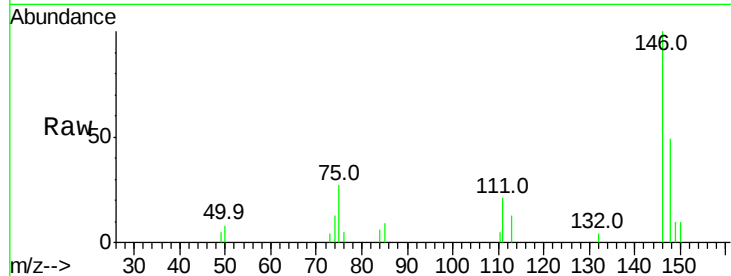




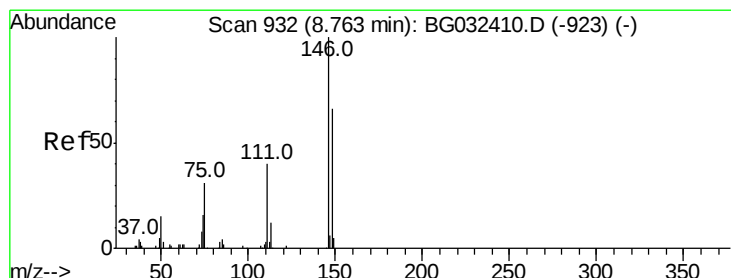
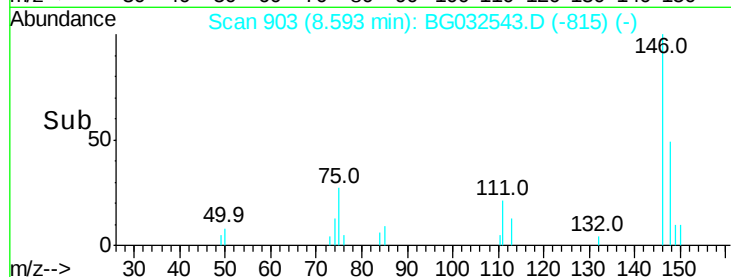
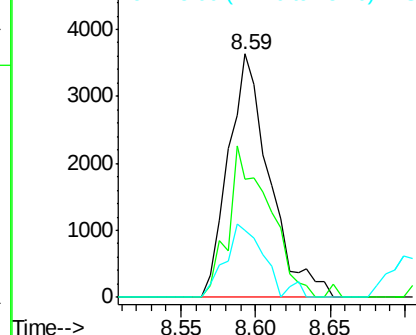
#12
 1,3-Dichlorobenzene
 Concen: 3.934 ng
 RT: 8.59 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

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

Tot Ion:146 Resp: 7010
 Ion Ratio Lower Upper
 146 100
 148 48.7 51.4 77.2#
 75 27.3 26.6 39.8

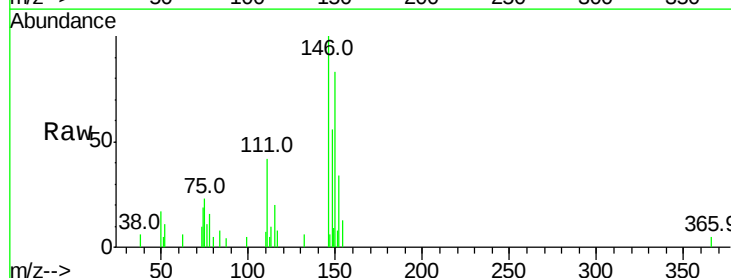


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

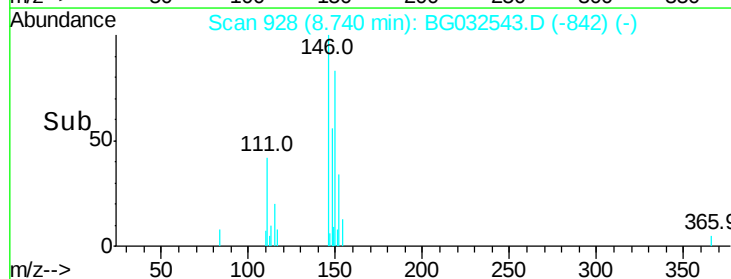
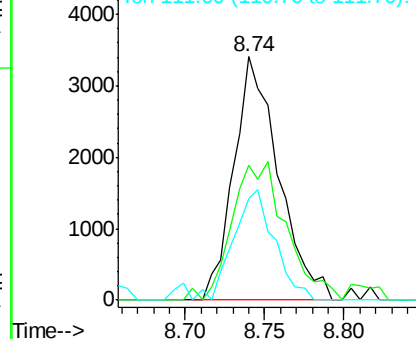


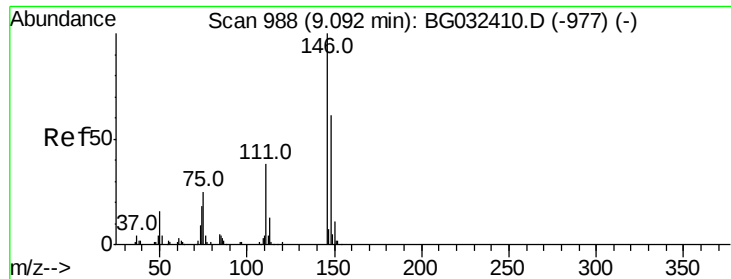
#13
 1,4-Dichlorobenzene
 Concen: 3.749 ng
 RT: 8.74 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:146 Resp: 6695
 Ion Ratio Lower Upper
 146 100
 148 55.5 53.7 80.5
 111 41.8 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: 3.827 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.35 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

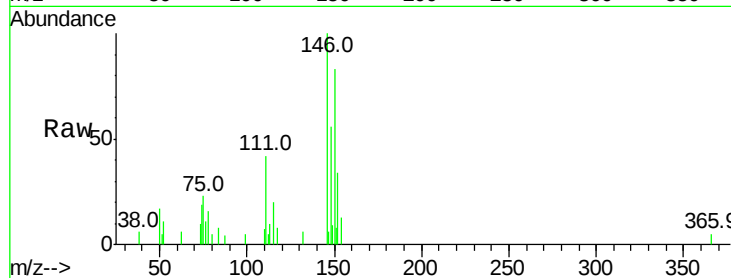
Tot Ion:146 Resp: 6695

Ion Ratio Lower Upper

146 100

148 55.5 49.3 73.9

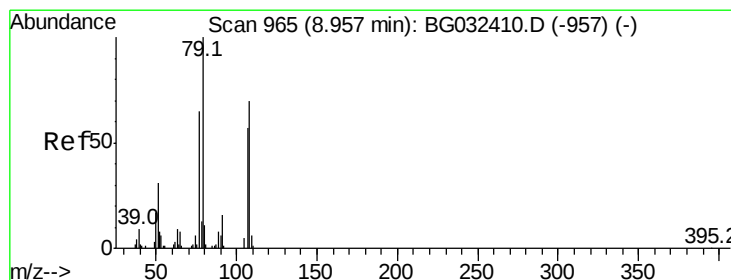
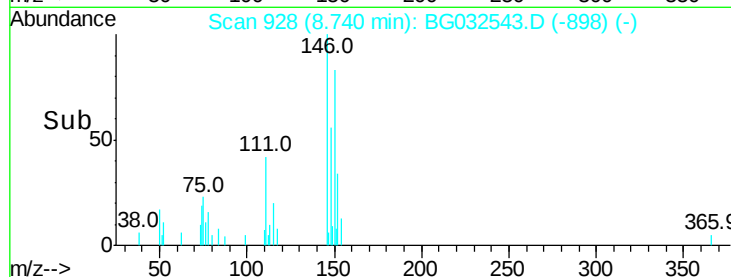
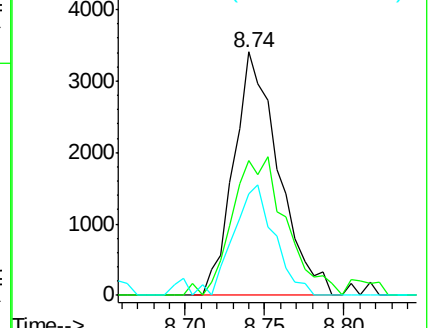
111 41.8 34.3 51.5



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: 2.799 ng

RT: 8.94 min Scan# 962

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

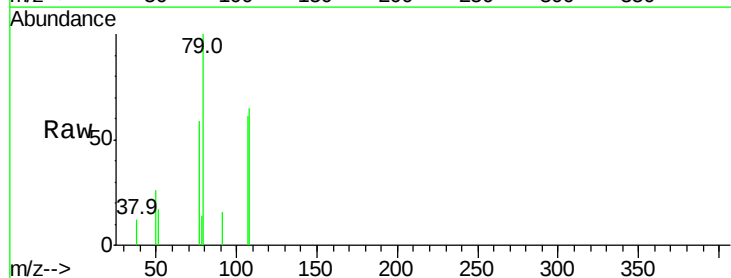
Tgt Ion: 79 Resp: 3431

Ion Ratio Lower Upper

79 100

108 64.7 57.2 85.8

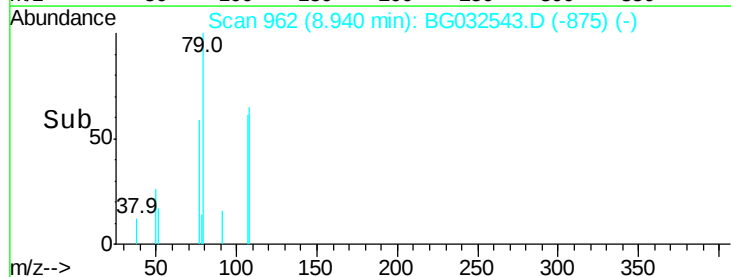
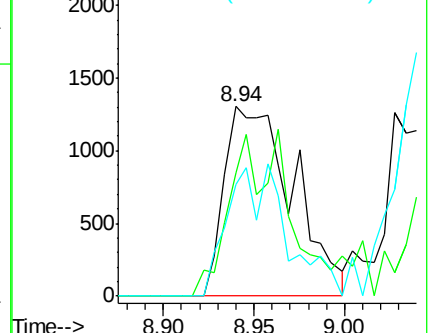
77 58.8 46.1 69.1

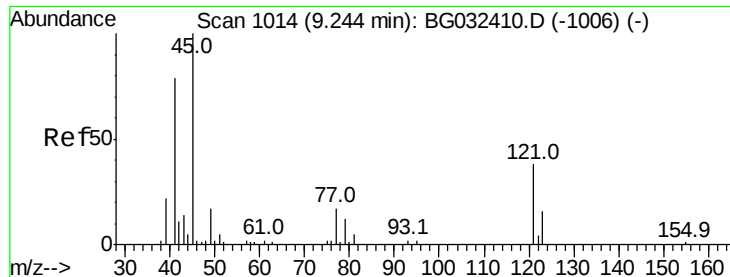


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

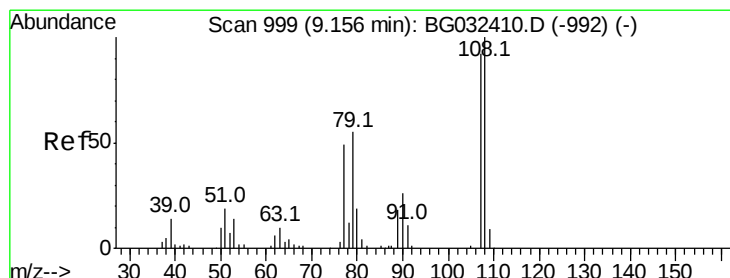
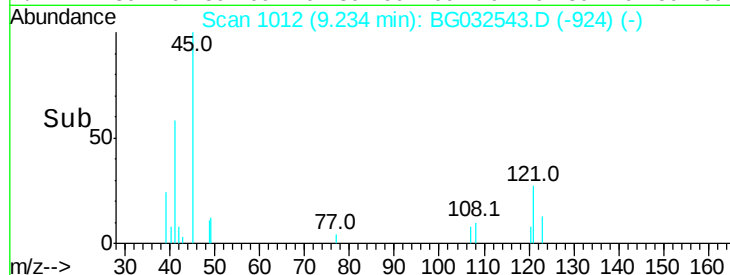
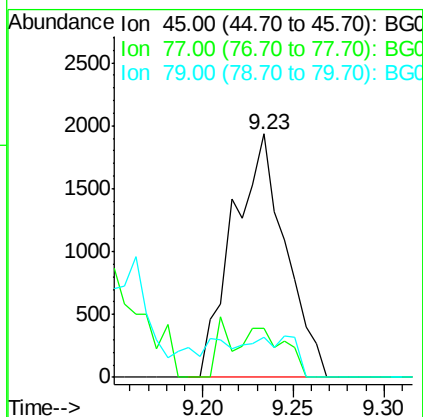
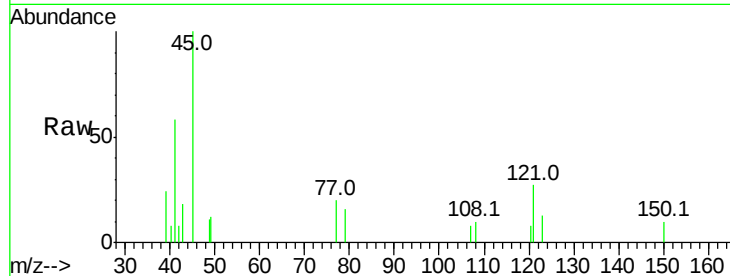




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 3.814 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

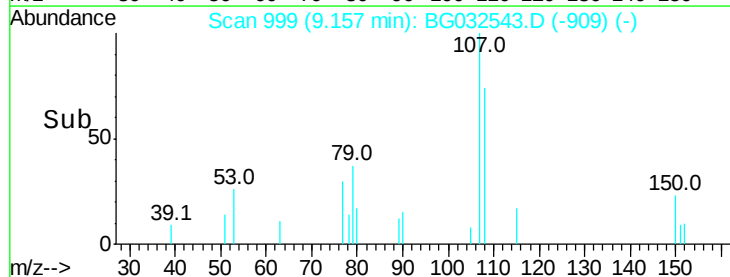
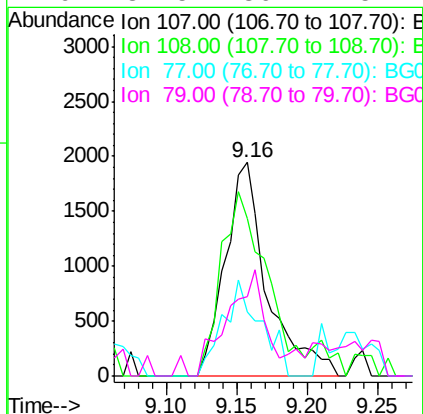
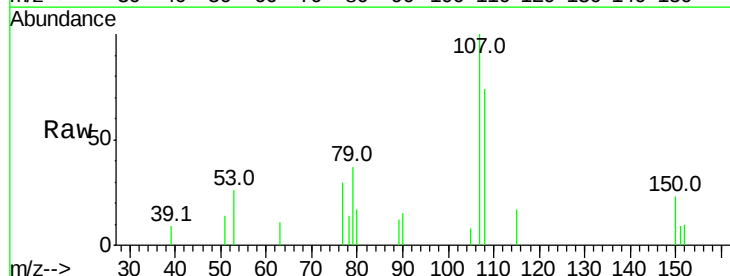
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

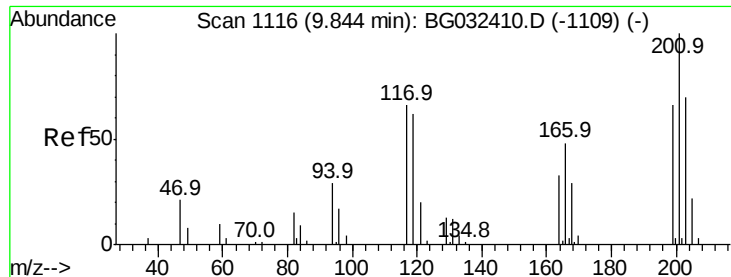
Tot Ion: 45 Resp: 3889
Ion Ratio Lower Upper
45 100
77 20.4 0.0 30.2
79 16.4 0.0 27.9



#17
2-Methylphenol
Concen: 3.509 ng
RT: 9.16 min Scan# 999
Delta R.T. 0.00 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion: 107 Resp: 4025
Ion Ratio Lower Upper
107 100
108 73.8 83.9 125.9#
77 29.9 37.2 55.8#
79 37.5 36.2 54.2

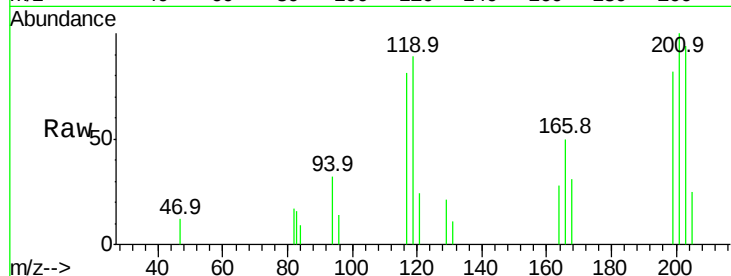




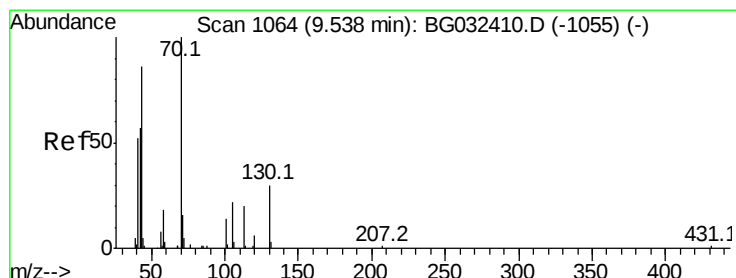
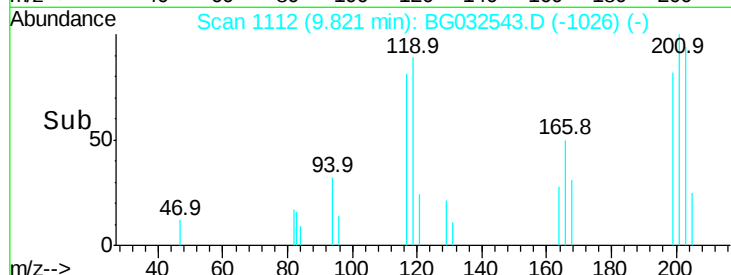
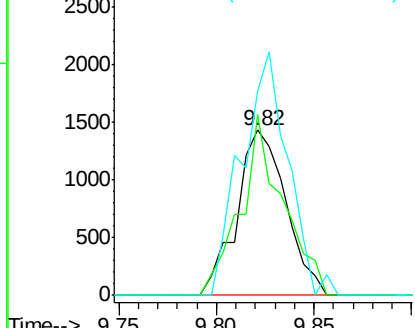
#18
Hexachloroethane
Concen: 4.168 ng
RT: 9.82 min Scan# 1112
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

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

Tot Ion:117 Resp: 2499
Ion Ratio Lower Upper
117 100
119 109.3 76.7 115.1
201 123.0 95.7 143.5

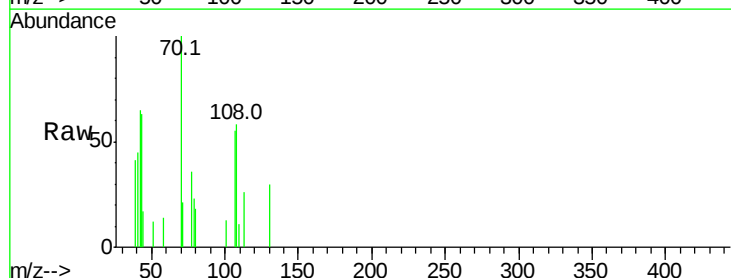


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

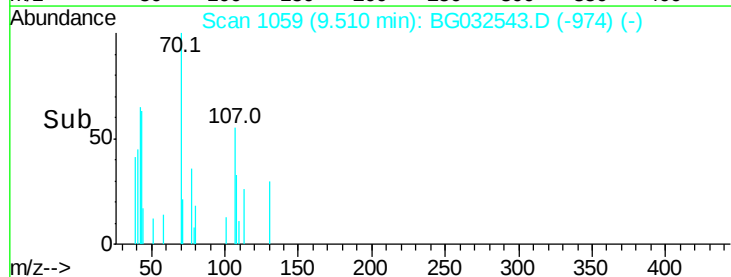
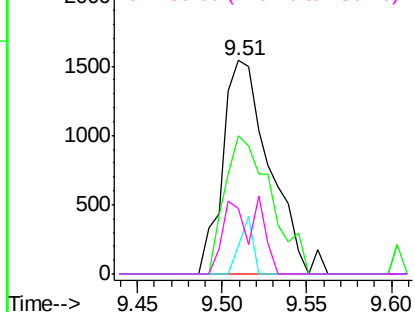


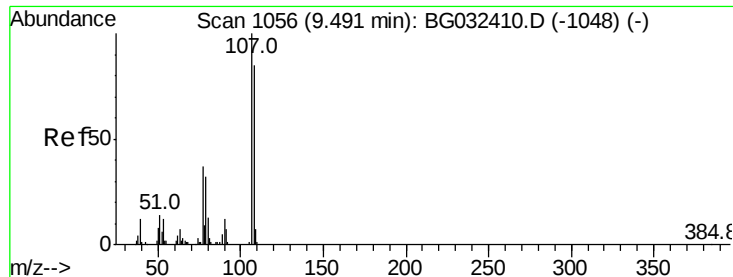
#19
n-Nitroso-di-n-propylamine
Concen: 3.006 ng
RT: 9.51 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion: 70 Resp: 2964
Ion Ratio Lower Upper
70 100
42 64.6 49.1 73.7
101 13.1 8.5 12.7#
130 30.4 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 3.297 ng

RT: 9.48 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:107 Resp: 5305

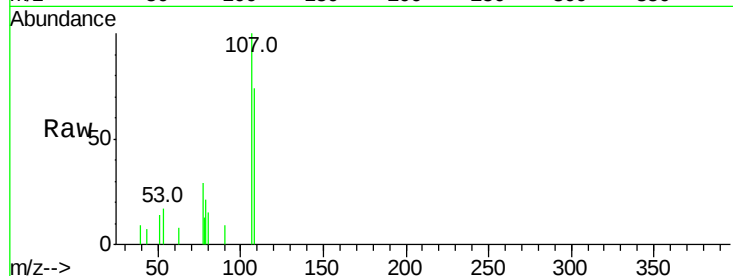
Ion Ratio Lower Upper

107 100

108 74.0 61.6 101.6

77 28.9 13.9 53.9

79 21.0 8.8 48.8

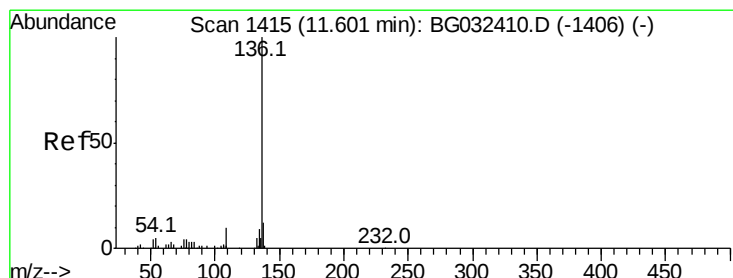
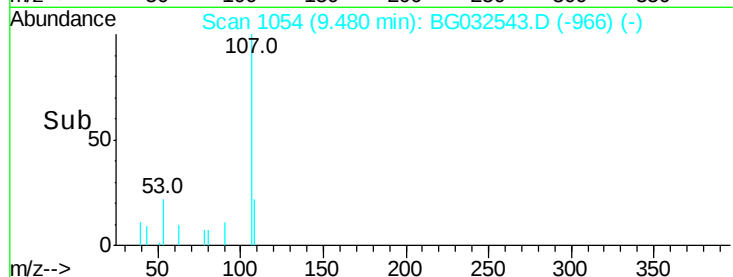
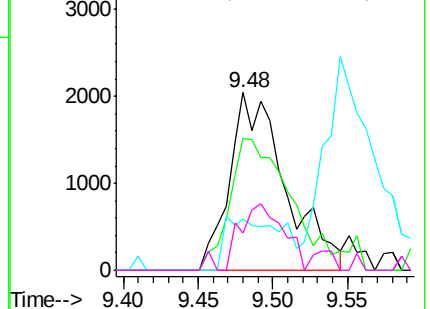


Abundance Ion 107.00 (106.70 to 107.70): E

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: BG032543.D

Acq: 5 Feb 2018 20:55

Tgt Ion:136 Resp: 98817

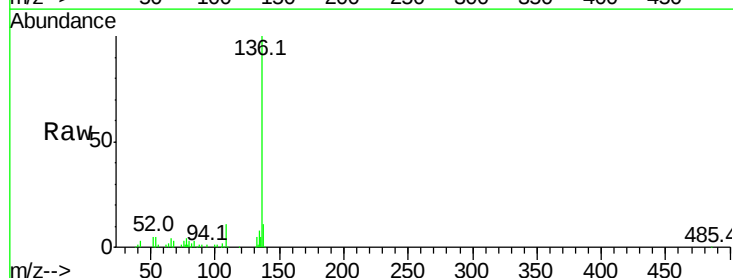
Ion Ratio Lower Upper

136 100

137 11.1 9.2 13.8

54 4.7 10.3 15.5#

68 3.2 4.5 6.7#

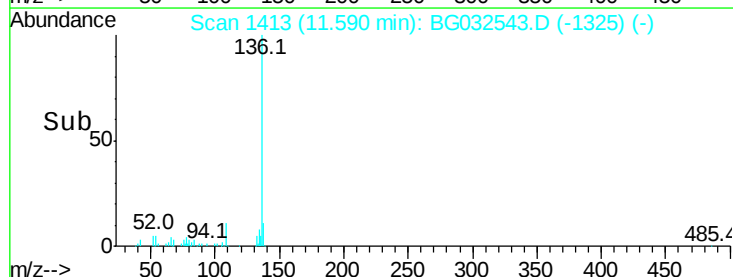
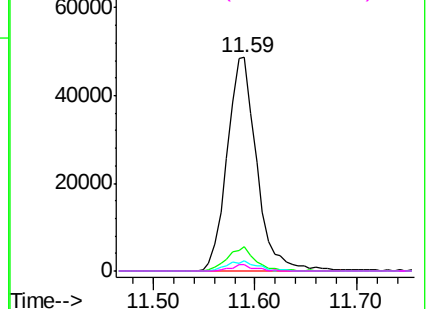


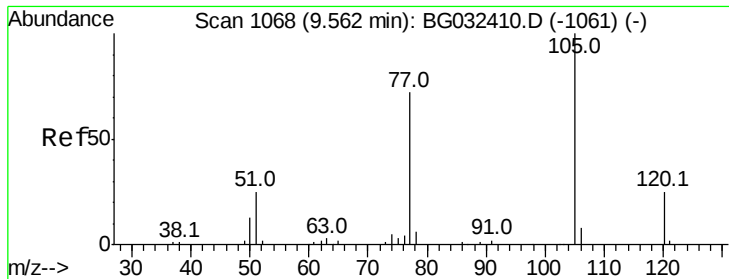
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.116 ng

RT: 9.54 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG032543.D

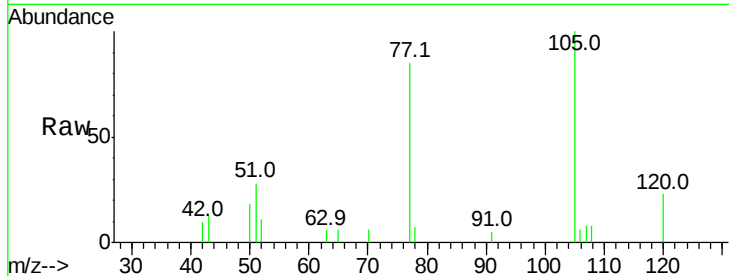
Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018



Tot Ion: 105 Resp: 7219

Ion Ratio Lower Upper

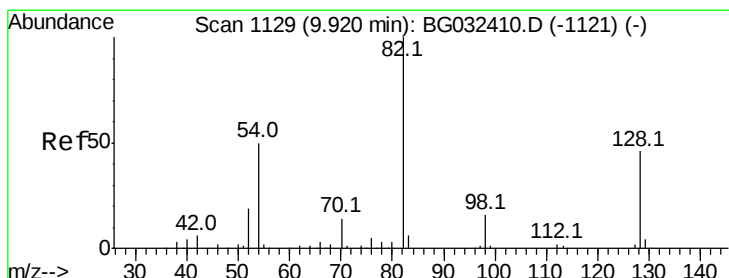
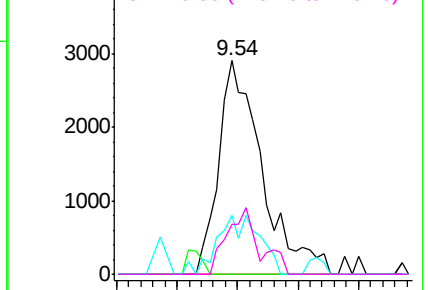
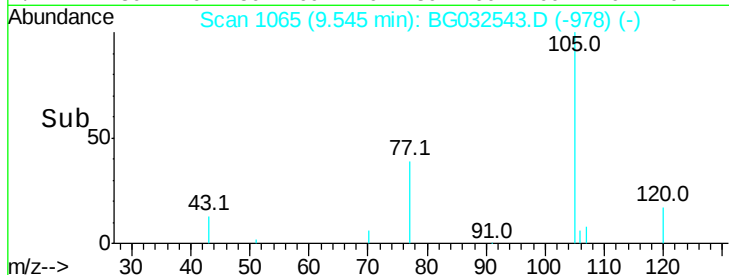
105 100

71 0.0 3.0 4.4#

51 27.7 26.1 39.1

120 23.5 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: 74.880 ng

RT: 9.90 min Scan# 1126

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

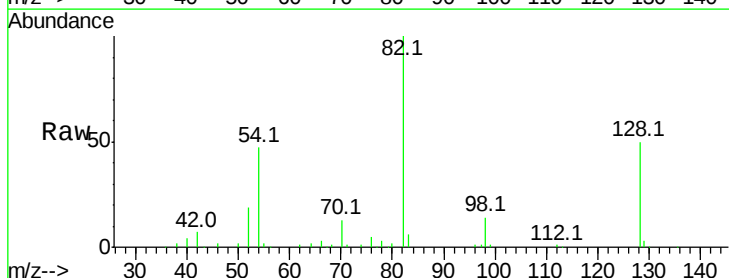
Tgt Ion: 82 Resp: 118466

Ion Ratio Lower Upper

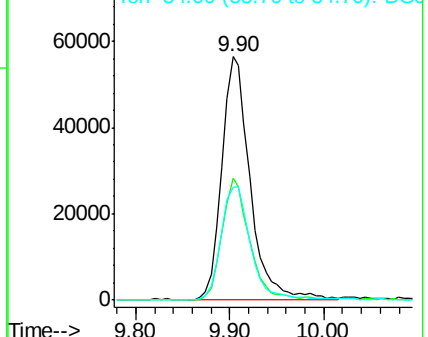
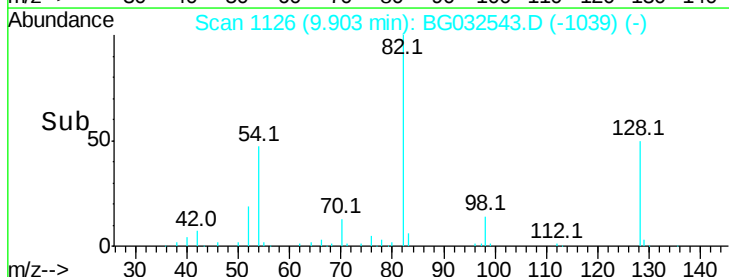
82 100

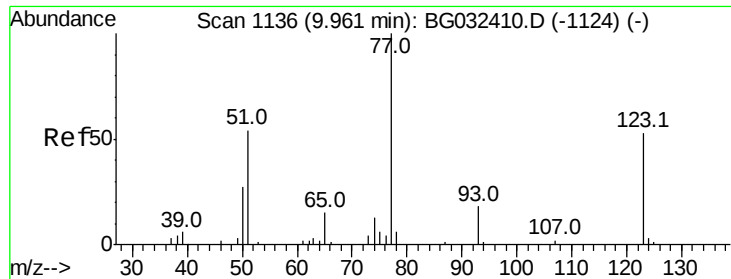
128 50.3 29.7 44.5#

54 46.5 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: 3.664 ng

RT: 9.94 min Scan# 1133

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

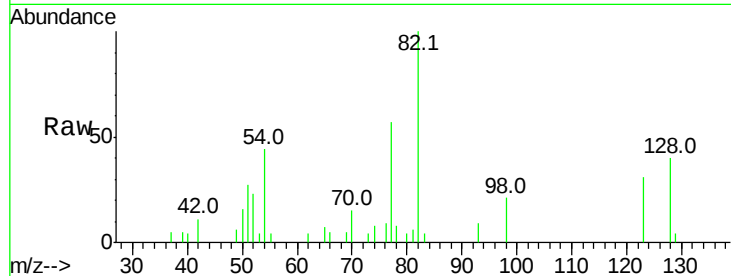
Tot Ion: 77 Resp: 5606

Ion Ratio Lower Upper

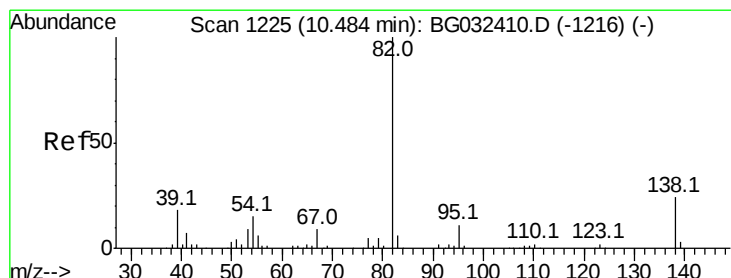
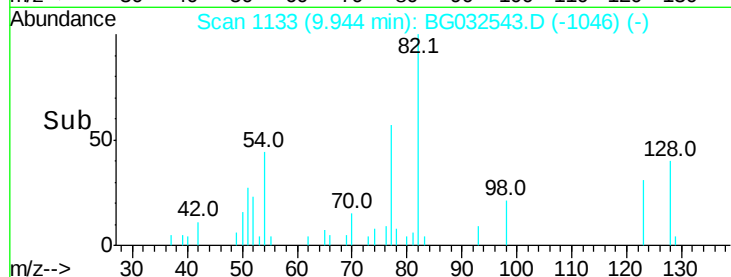
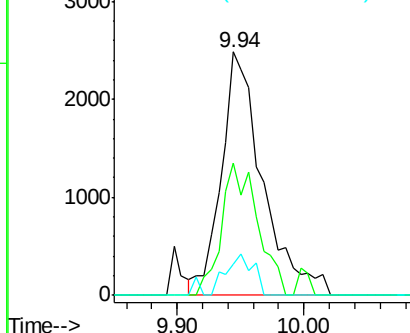
77 100

123 54.3 33.0 49.6#

65 13.0 13.0 19.6#



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



#25

Isophorone

Concen: 3.878 ng

RT: 10.46 min Scan# 1221

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

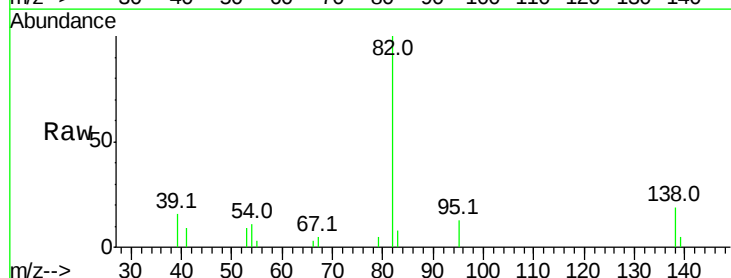
Tgt Ion: 82 Resp: 10447

Ion Ratio Lower Upper

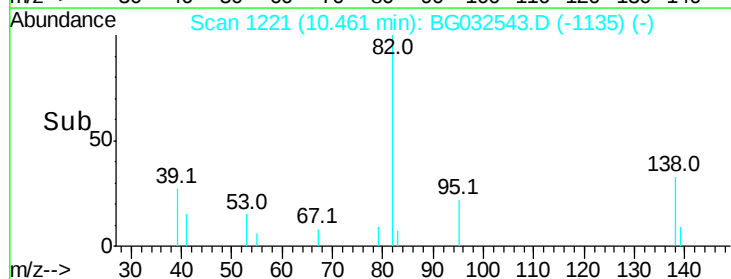
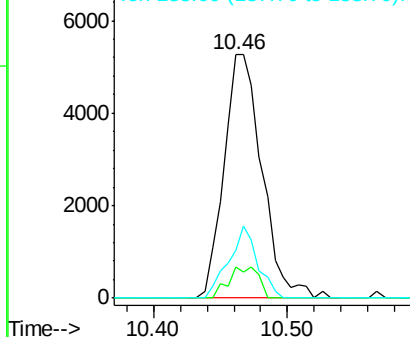
82 100

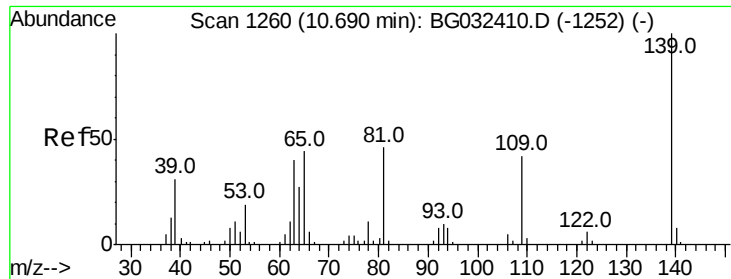
95 13.0 6.2 9.2#

138 19.4 12.1 18.1#



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





#26

2-Nitrophenol

Concen: 3.838 ng

RT: 10.67 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

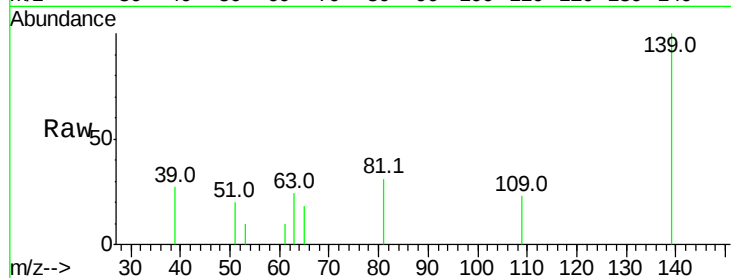
Tot Ion:139 Resp: 3549

Ion Ratio Lower Upper

139 100

109 22.7 24.2 36.2#

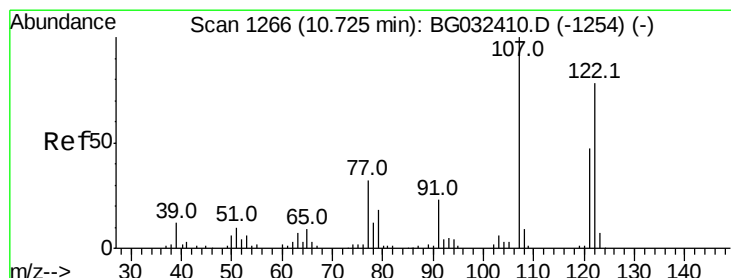
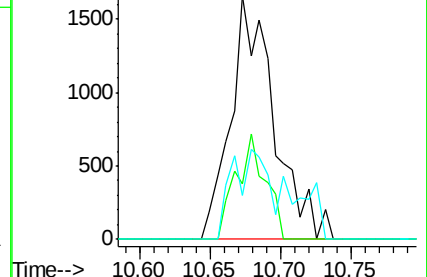
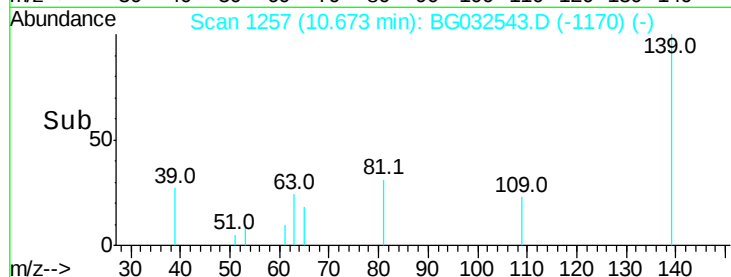
65 18.1 47.4 71.0#



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): B



#27

2,4-Dimethylphenol

Concen: 3.552 ng

RT: 10.71 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

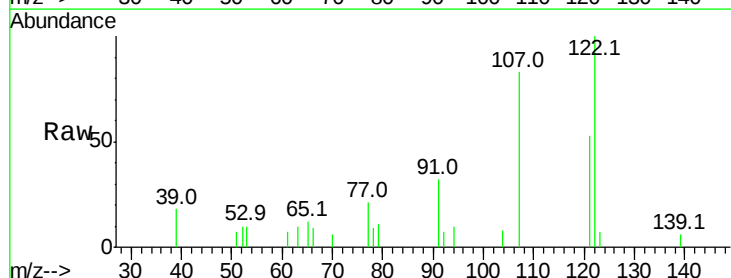
Tgt Ion:122 Resp: 4715

Ion Ratio Lower Upper

122 100

107 83.2 100.2 150.2#

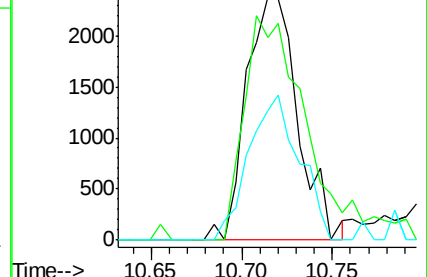
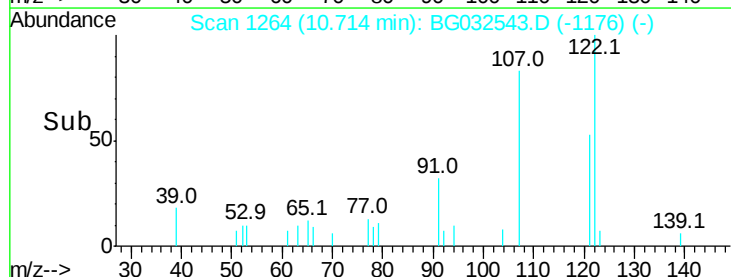
121 53.2 44.4 66.6

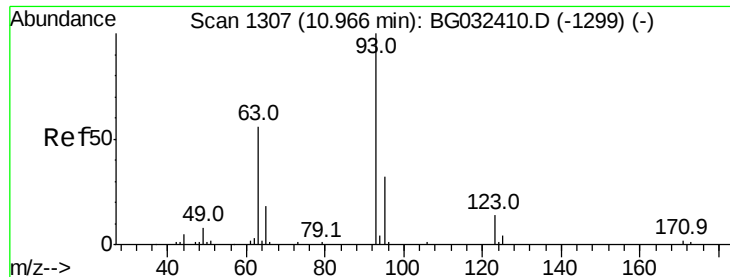


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

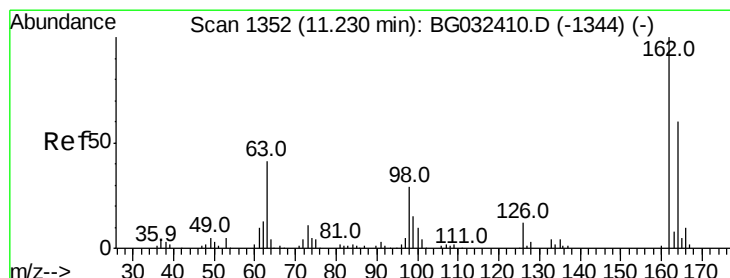
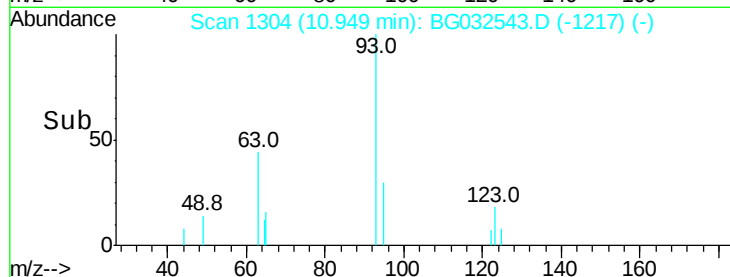
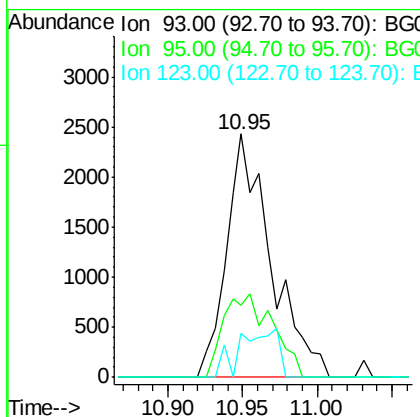
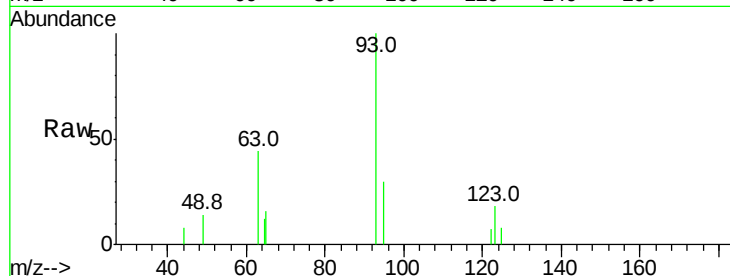




#28
bis(2-Chloroethoxy)methane
Concen: 3.408 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

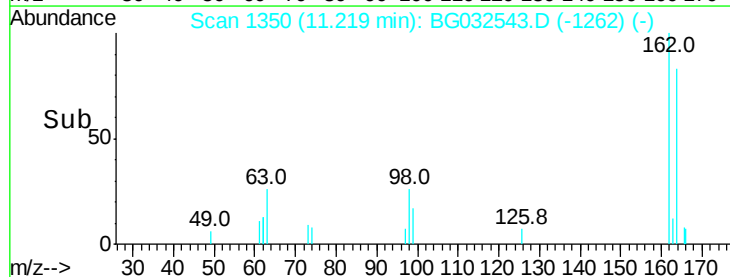
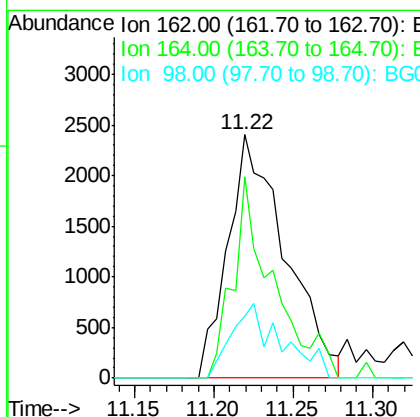
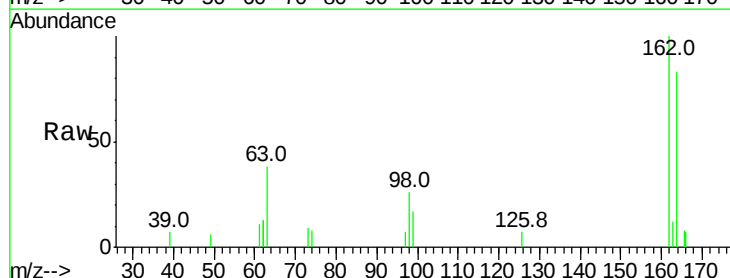
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

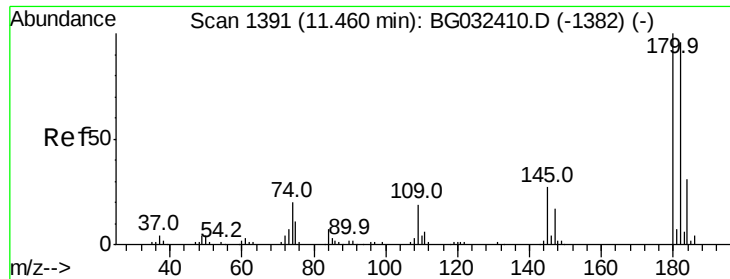
Tot Ion: 93 Resp: 5035
Ion Ratio Lower Upper
93 100
95 29.7 24.3 36.5
123 17.9 8.4 12.6#



#29
2,4-Dichlorophenol
Concen: 3.441 ng
RT: 11.22 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion: 162 Resp: 6050
Ion Ratio Lower Upper
162 100
164 82.5 48.0 88.0
98 25.6 21.1 61.1

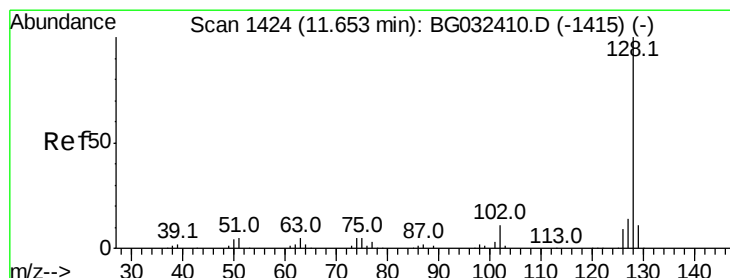
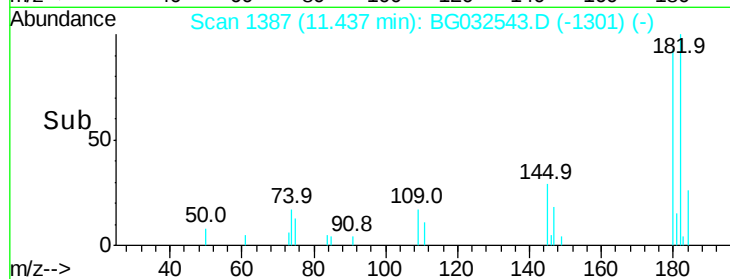
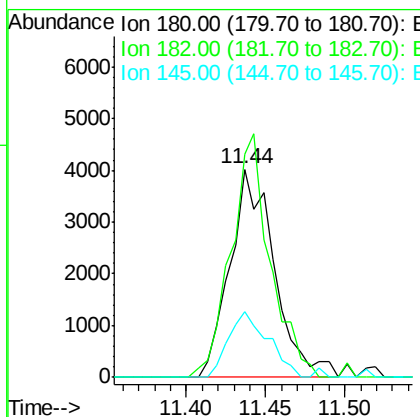
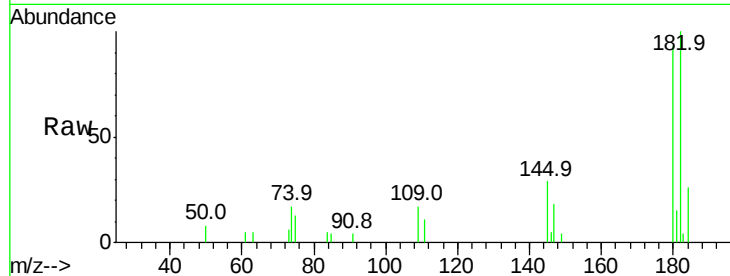




#30
 1,2,4-Trichlorobenzene
 Concen: 3.340 ng
 RT: 11.44 min Scan# 1387
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

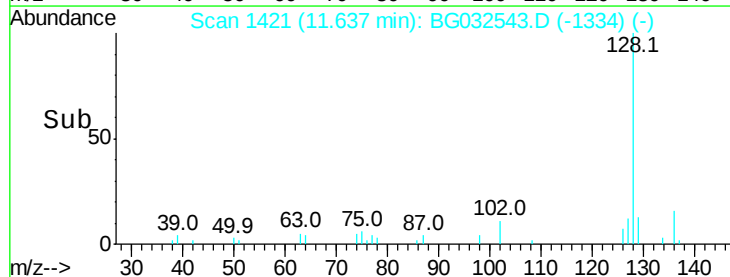
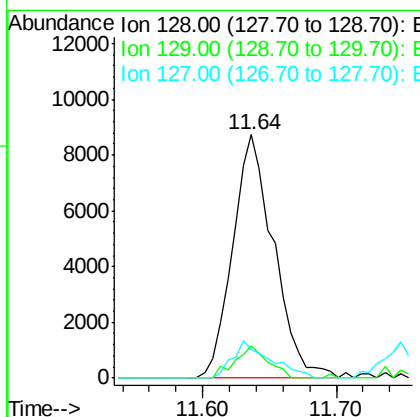
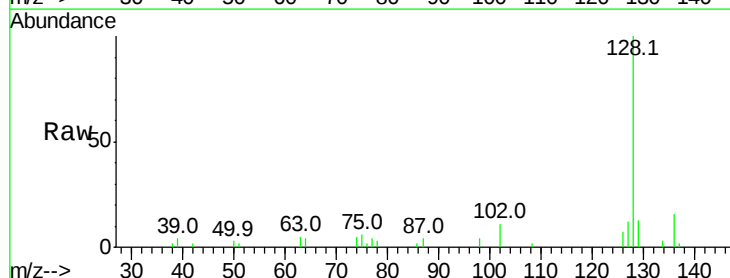
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

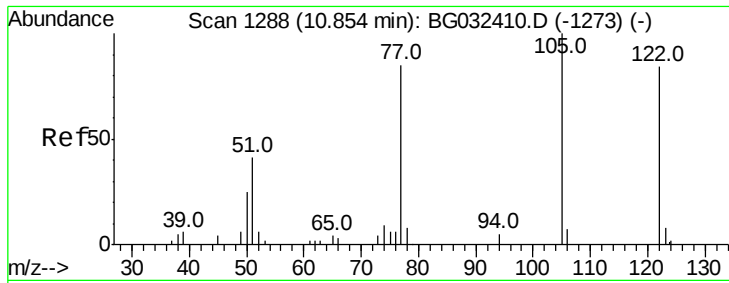
Tot Ion:180 Resp: 7828
 Ion Ratio Lower Upper
 180 100
 182 107.2 77.5 116.3
 145 31.4 23.4 35.2



#31
 Naphthalene
 Concen: 3.860 ng
 RT: 11.64 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:128 Resp: 18631
 Ion Ratio Lower Upper
 128 100
 129 13.4 8.6 12.8#
 127 11.9 11.6 17.4

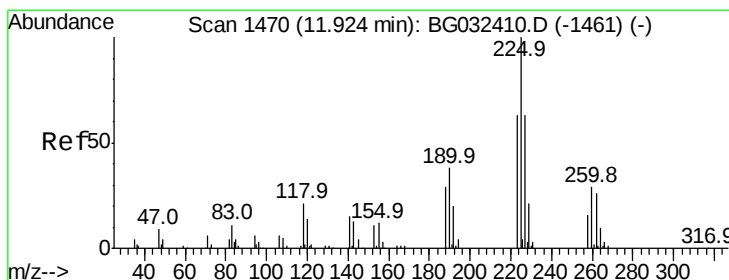
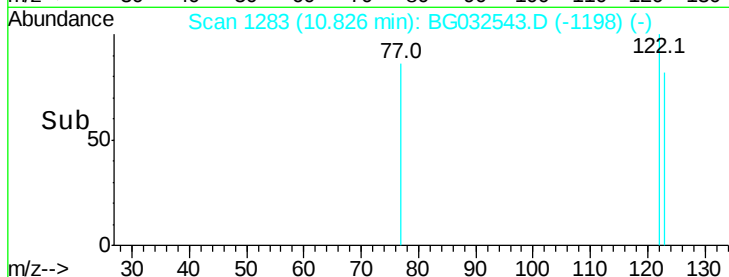
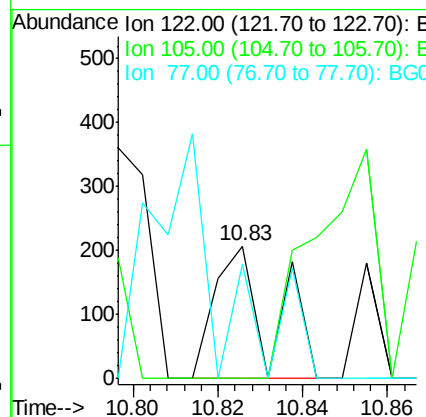
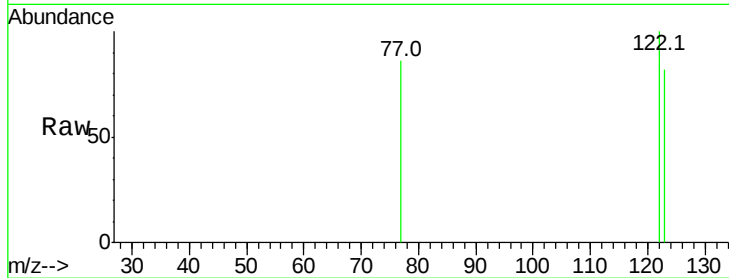




#32
Benzoic acid
Concen: 7.447 ng
RT: 10.83 min Scan# 1283
Delta R.T. -0.03 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

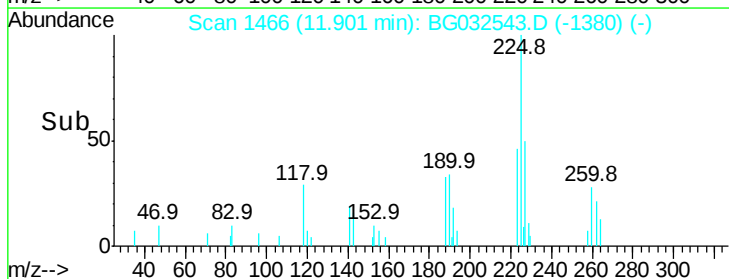
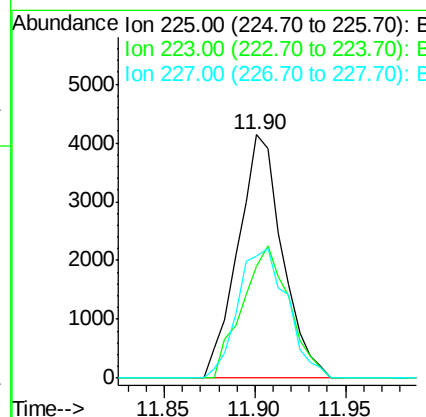
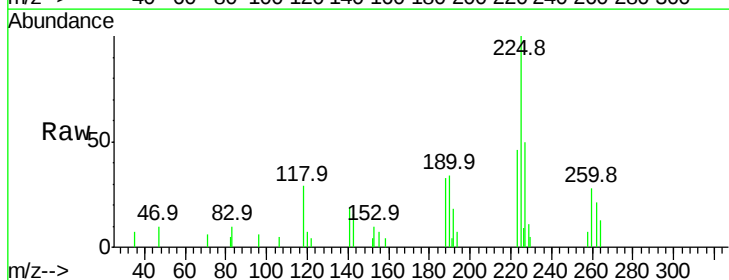
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

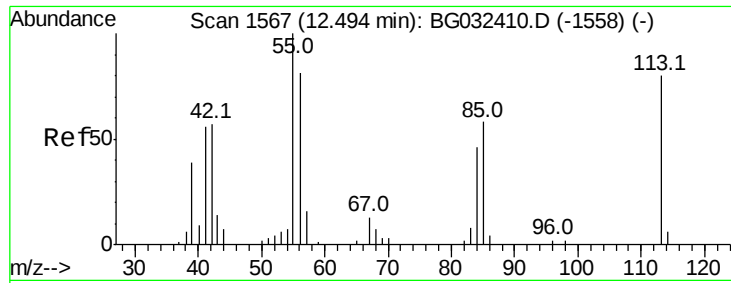
Tot Ion:122 Resp: 191
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 86.4 85.7 125.7



#34
Hexachlorobutadiene
Concen: 3.874 ng
RT: 11.90 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:225 Resp: 7063
Ion Ratio Lower Upper
225 100
223 46.0 49.7 74.5#
227 50.0 48.1 72.1





#35

Caprolactam

Concen: 2.789 ng

RT: 12.45 min Scan# 1560

Delta R.T. -0.04 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

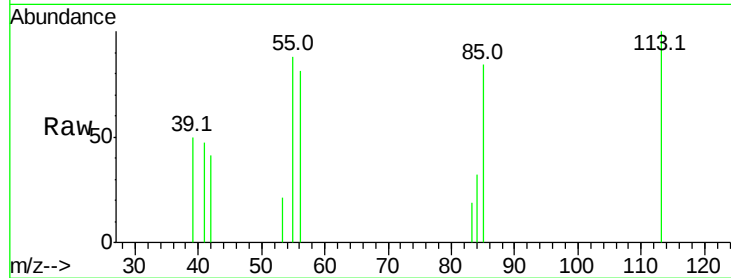
Tot Ion:113 Resp: 1408

Ion Ratio Lower Upper

113 100

55 88.2 186.9 226.9#

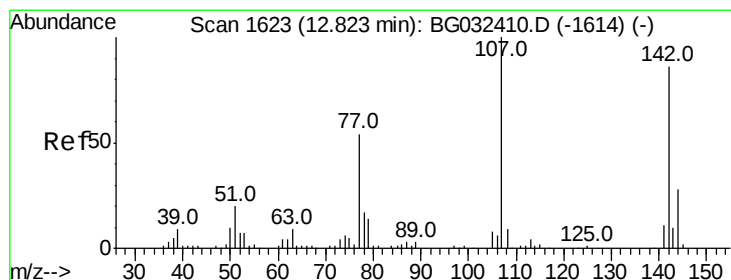
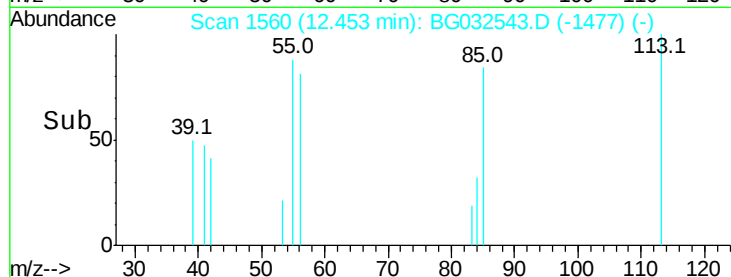
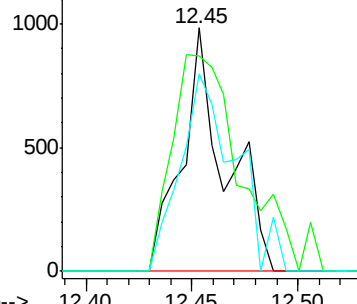
56 81.2 130.9 170.9#



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: 3.712 ng

RT: 12.82 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

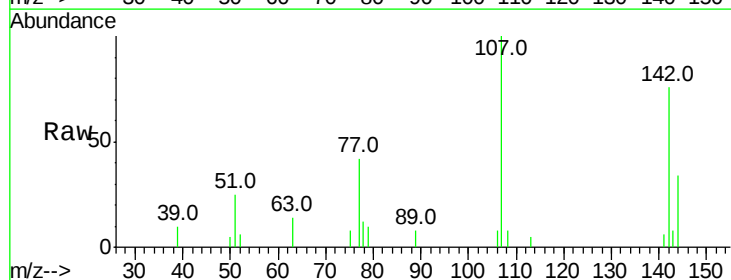
Tgt Ion:107 Resp: 6192

Ion Ratio Lower Upper

107 100

144 34.0 18.2 27.4#

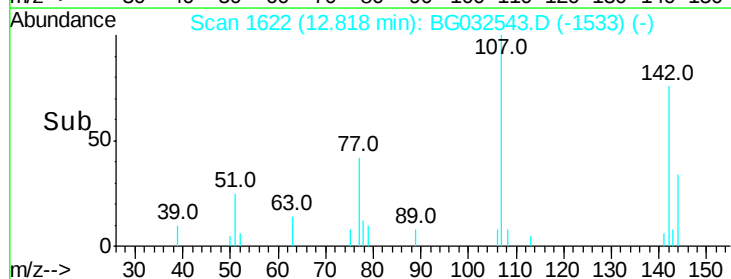
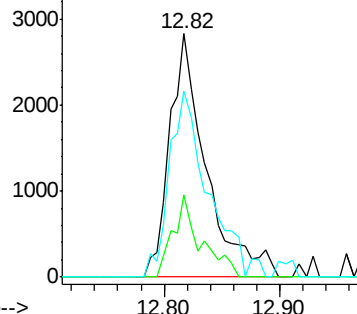
142 76.4 59.0 88.4

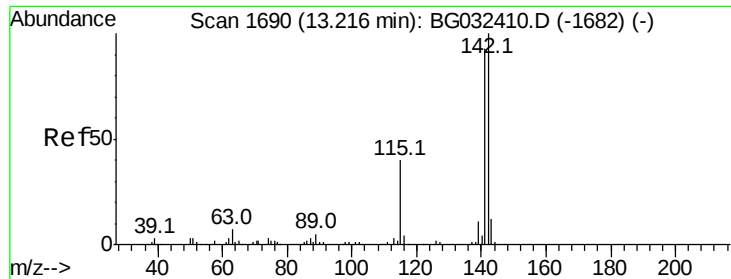


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

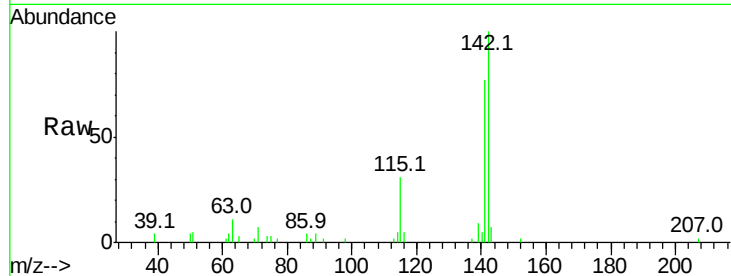




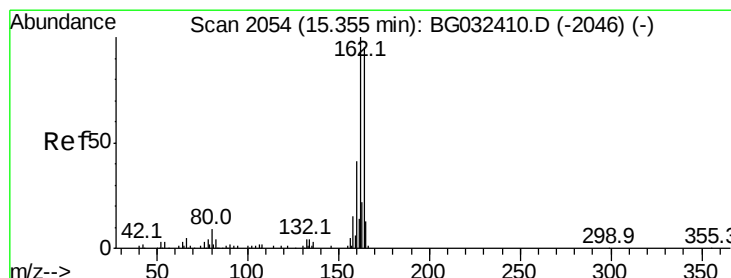
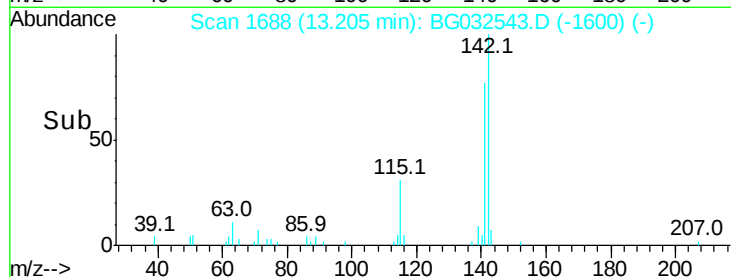
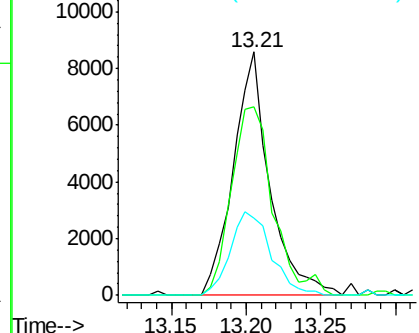
#37
2-Methylnaphthalene
Concen: 3.609 ng
RT: 13.21 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

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

Tot Ion:142 Resp: 14635
Ion Ratio Lower Upper
142 100
141 77.4 67.1 100.7
115 31.5 30.7 46.1

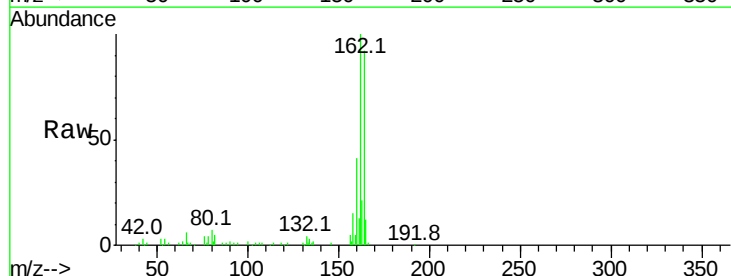


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

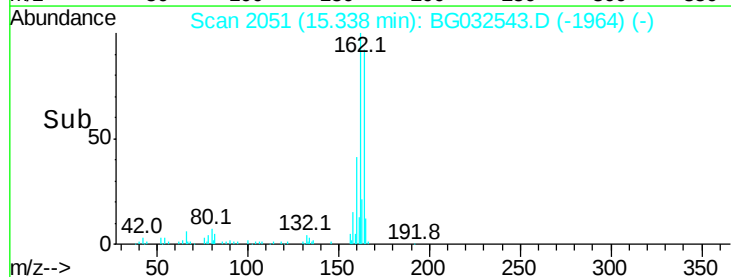
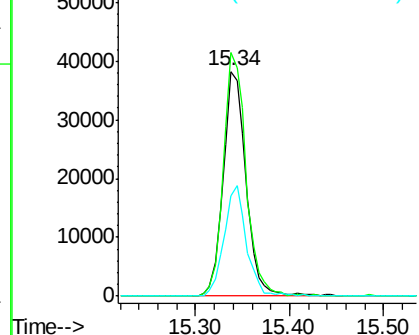


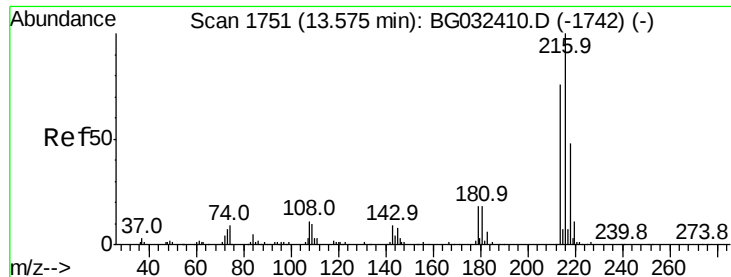
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.34 min Scan# 2051
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:164 Resp: 64954
Ion Ratio Lower Upper
164 100
162 108.3 78.8 118.2
160 44.3 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

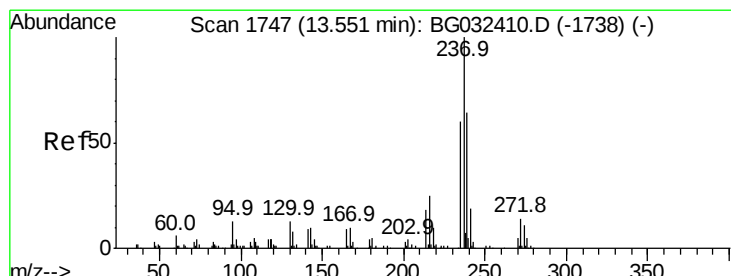
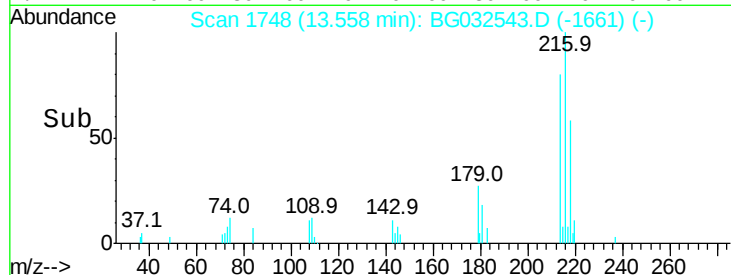
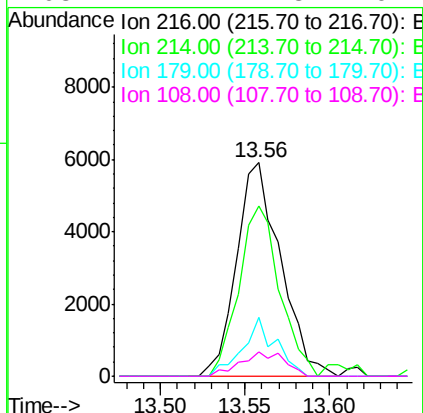
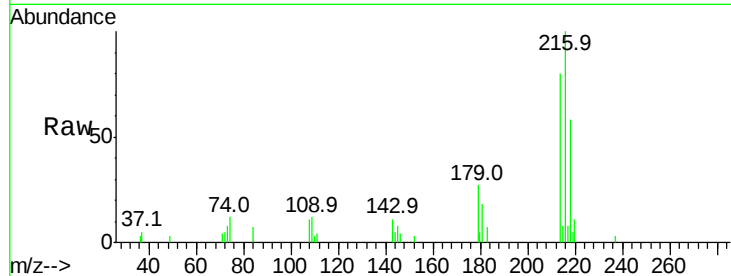




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.520 ng
 RT: 13.56 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

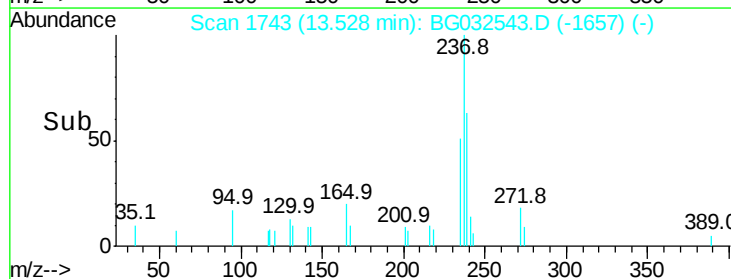
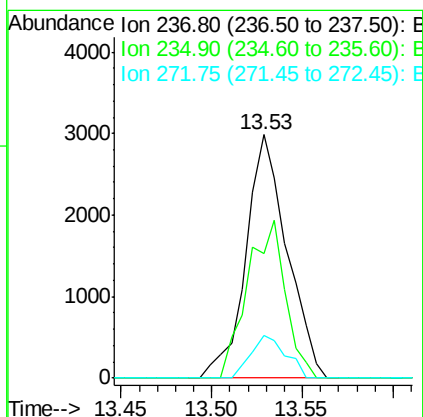
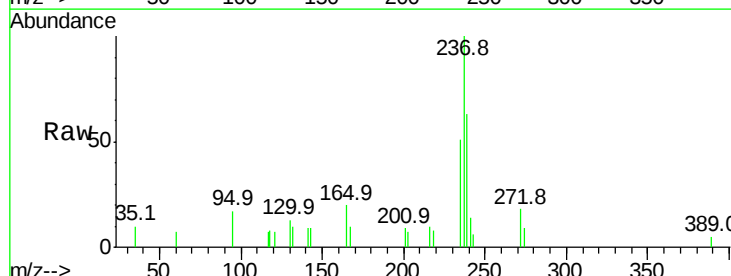
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

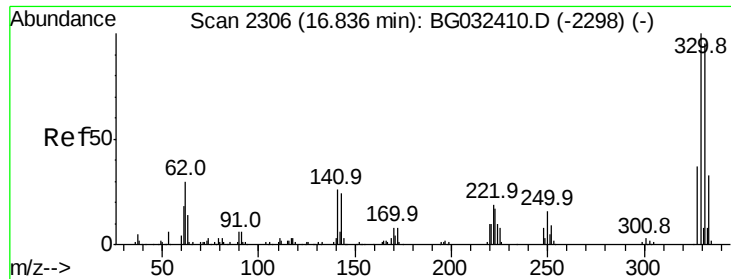
Tot Ion:	216	Resp:	10695
Ion	Ratio	Lower	Upper
216	100		
214	74.3	63.0	94.4
179	20.7	17.0	25.6
108	11.4	12.8	19.2#



#40
 Hexachlorocyclopentadiene
 Concen: 2.479 ng
 RT: 13.53 min Scan# 1743
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:	237	Resp:	4706
Ion	Ratio	Lower	Upper
237	100		
235	51.3	50.4	90.4
272	17.6	0.0	31.8

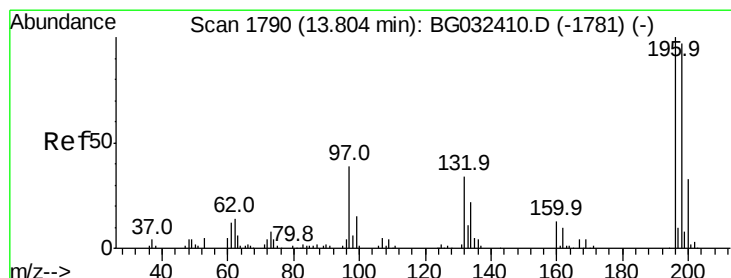
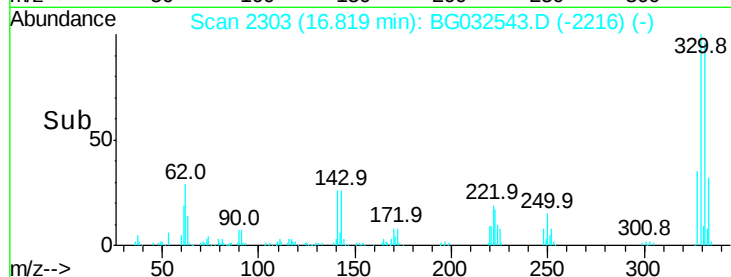
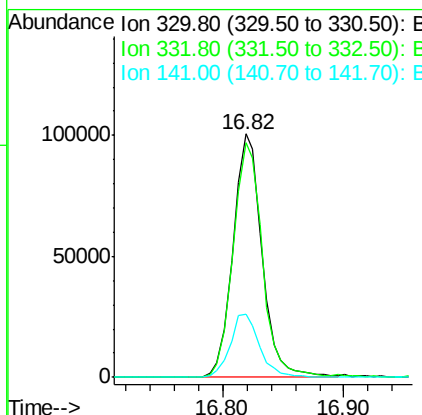
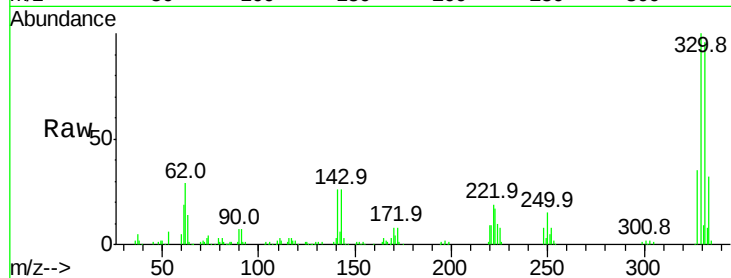




#41
 2,4,6-Tribromophenol
 Concen: 136.310 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

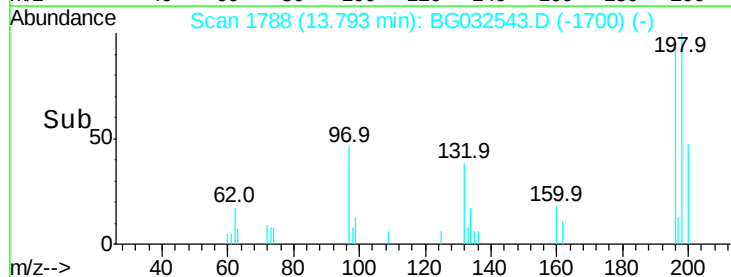
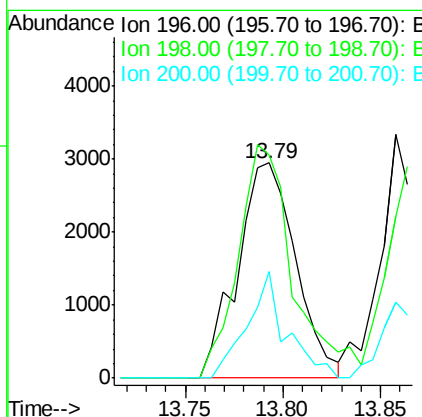
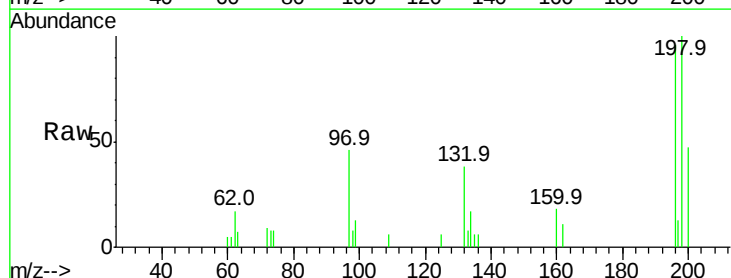
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

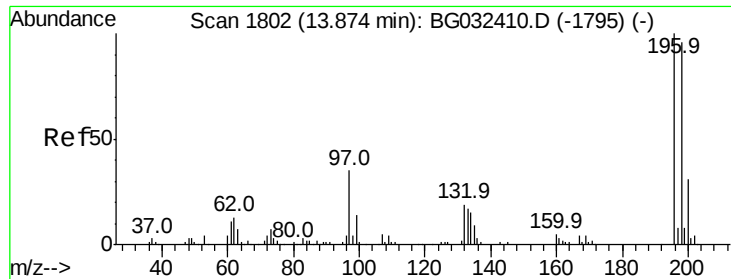
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	26.3	25.2	37.8



#42
 2,4,6-Trichlorophenol
 Concen: 3.687 ng
 RT: 13.79 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion	Ratio	Lower	Upper
196	100		
198	104.1	78.2	117.2
200	49.4	24.6	36.8#

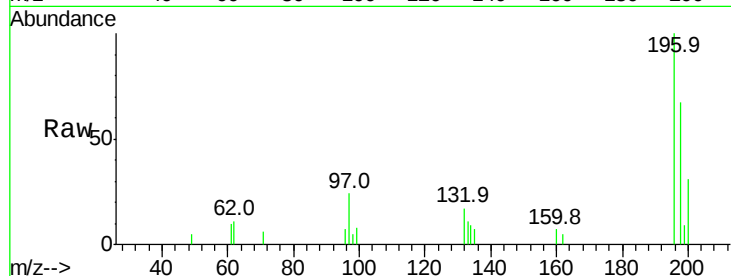




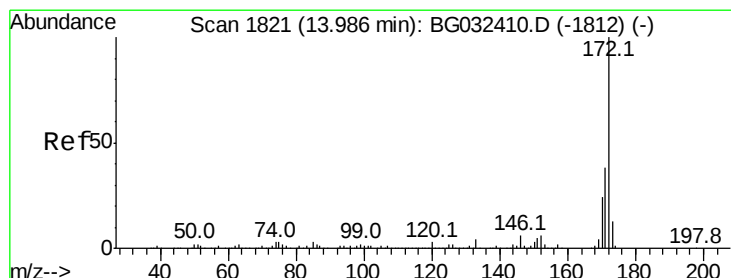
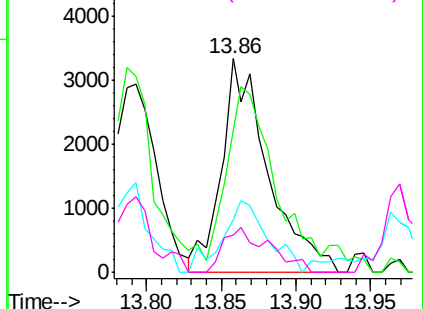
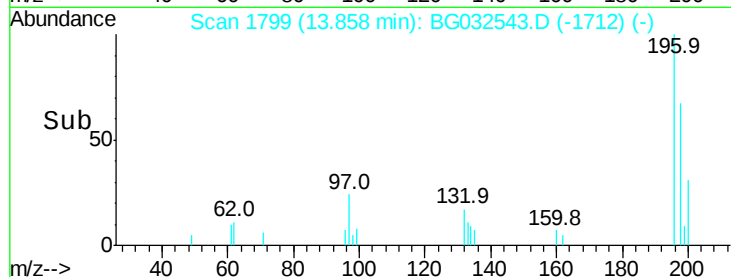
#43
 2,4,5-Trichlorophenol
 Concen: 3.747 ng
 RT: 13.86 min Scan# 1799
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

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

Tot Ion:196 Resp: 7219
 Ion Ratio Lower Upper
 196 100
 198 66.6 76.2 114.4#
 97 24.4 38.7 58.1#
 132 17.2 20.2 30.2#

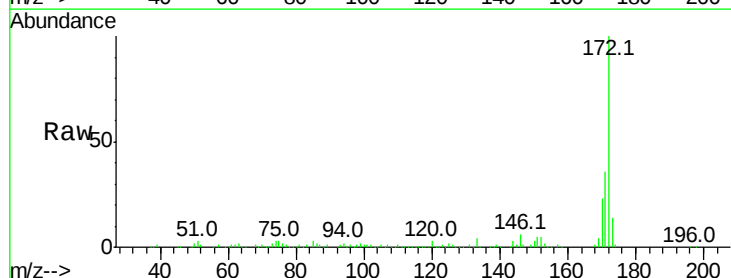


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

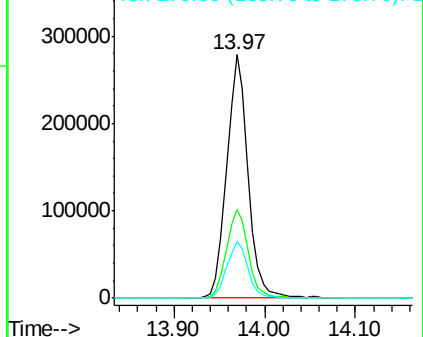
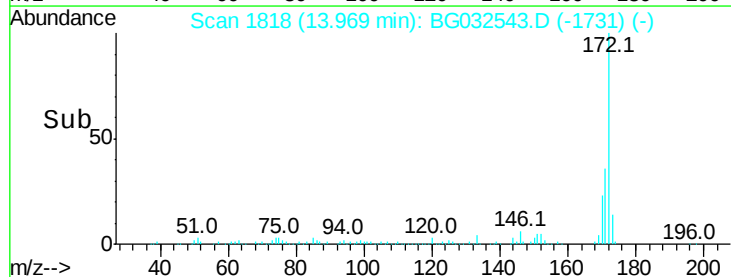


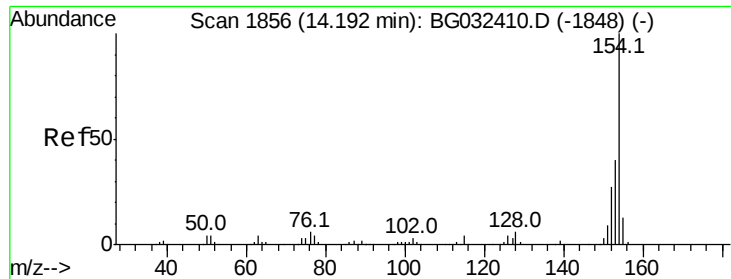
#44
 2-Fluorobiphenyl
 Concen: 83.090 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:172 Resp: 454079
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.0 45.0
 170 23.3 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

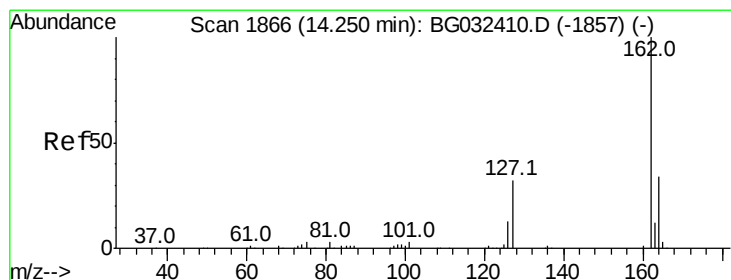
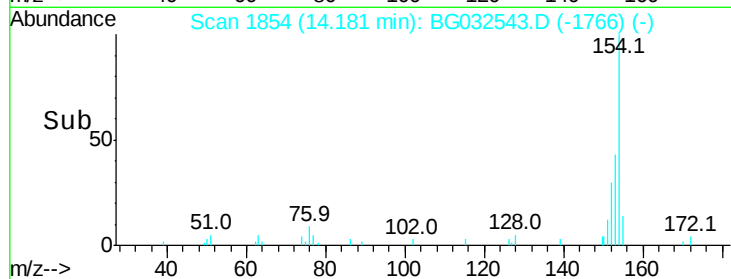
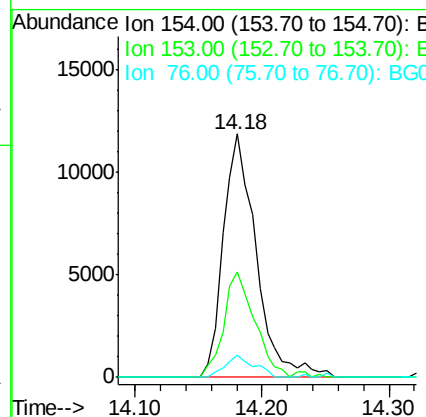
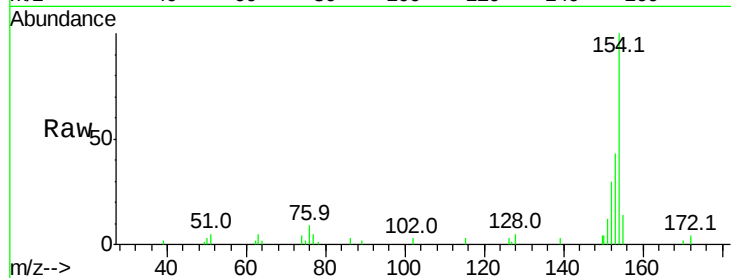




#45
 1,1'-Biphenyl
 Concen: 3.892 ng
 RT: 14.18 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

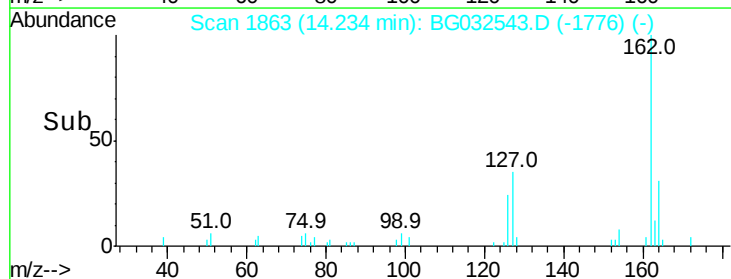
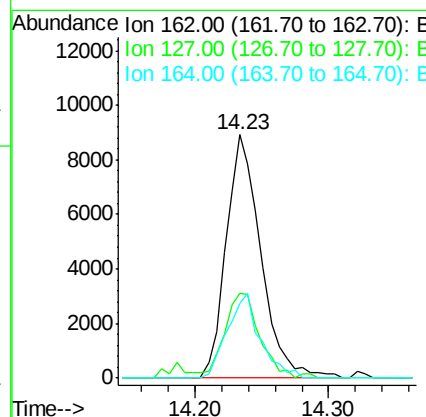
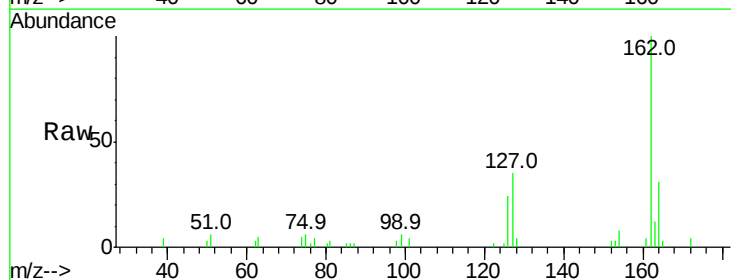
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

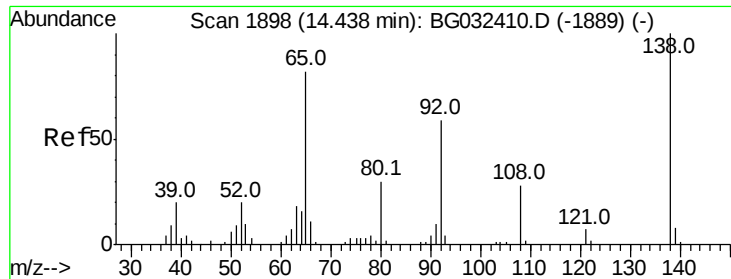
Tot Ion	Ratio	Lower	Upper
154	100		
153	43.5	19.8	59.8
76	9.2	0.0	31.9



#46
 2-Chloronaphthalene
 Concen: 3.777 ng
 RT: 14.23 min Scan# 1863
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.9	30.7	46.1
164	30.7	26.0	39.0

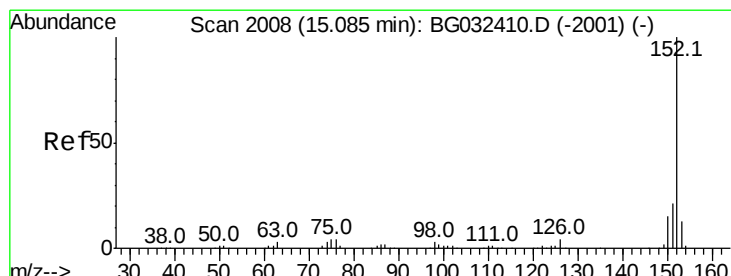
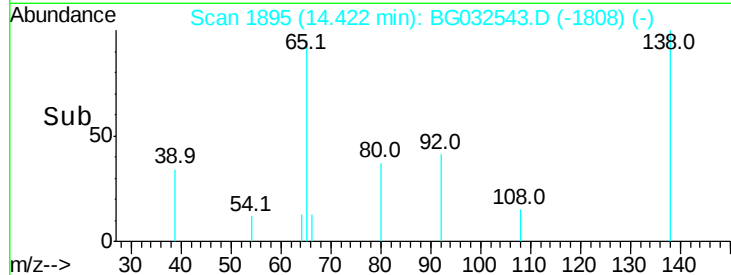
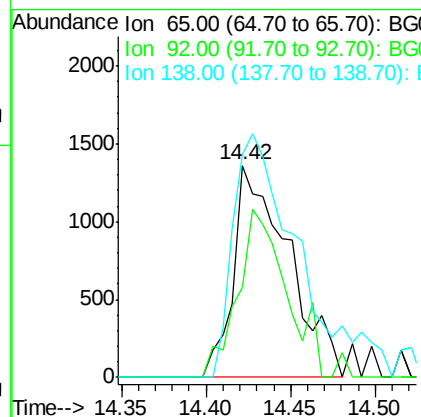
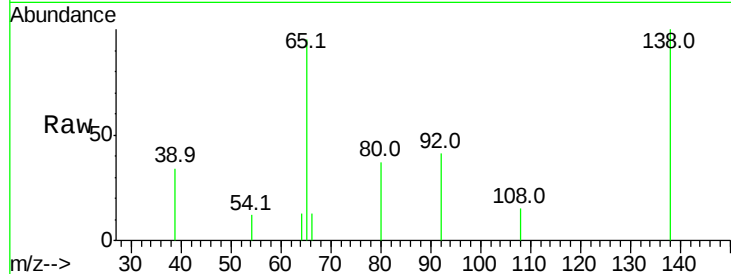




#47
 2-Nitroaniline
 Concen: 3.218 ng
 RT: 14.42 min Scan# 1895
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

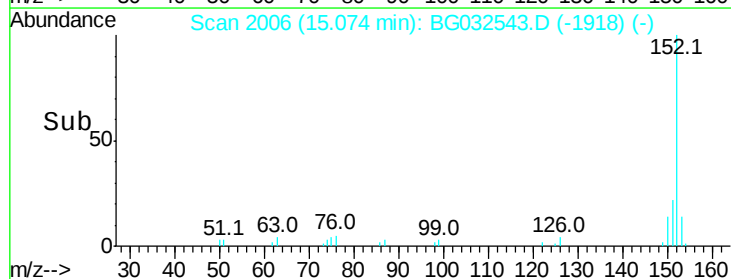
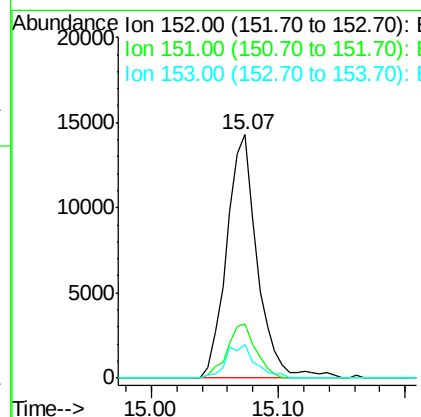
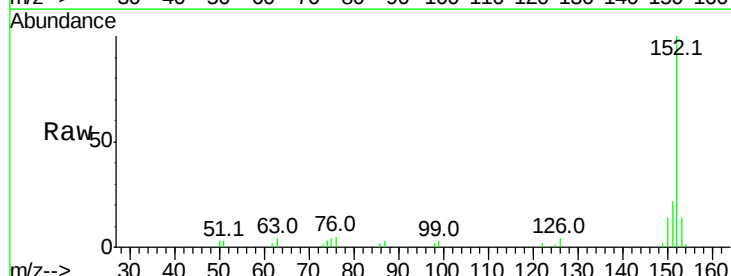
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

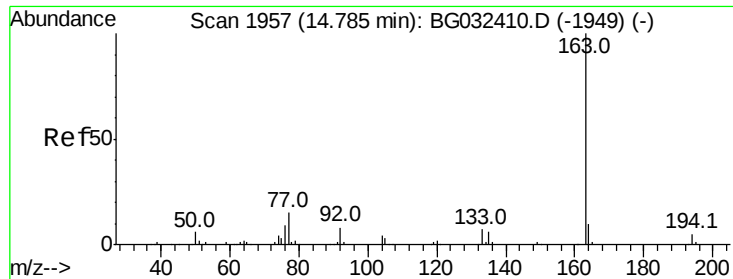
Tot Ion: 65 Resp: 3061
 Ion Ratio Lower Upper
 65 100
 92 42.6 54.6 82.0#
 138 105.2 72.9 109.3



#48
 Acenaphthylene
 Concen: 3.683 ng
 RT: 15.07 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion: 152 Resp: 23946
 Ion Ratio Lower Upper
 152 100
 151 22.0 17.2 25.8
 153 13.6 10.2 15.4





#49

Dimethylphthalate

Concen: 3.570 ng

RT: 14.77 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

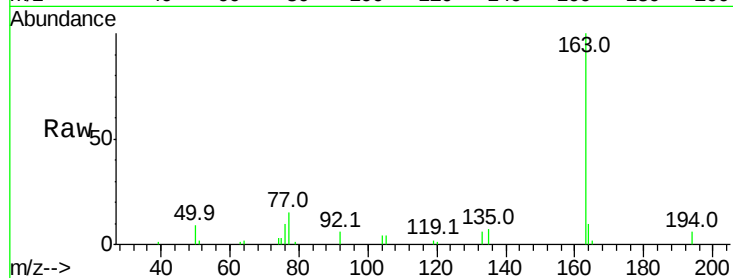
Tot Ion:163 Resp: 21382

Ion Ratio Lower Upper

163 100

194 6.1 3.4 5.2#

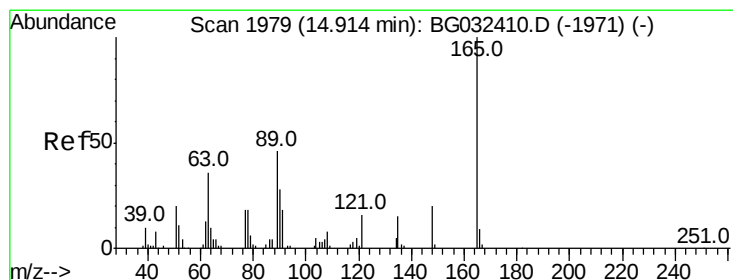
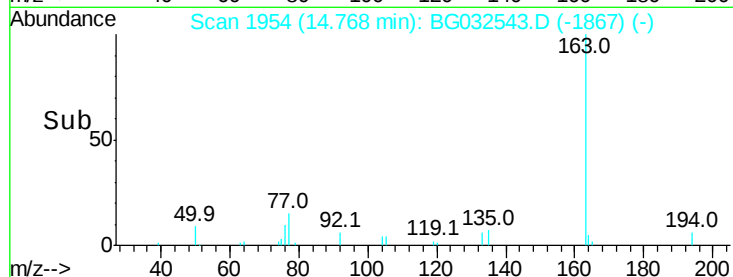
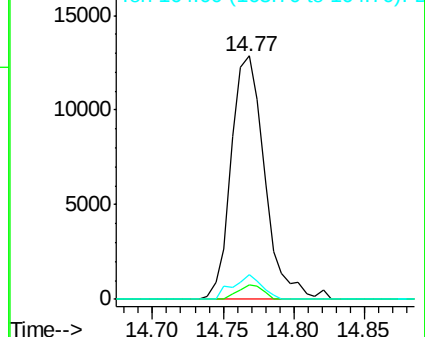
164 10.2 8.2 12.4



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: 3.265 ng

RT: 14.90 min Scan# 1976

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

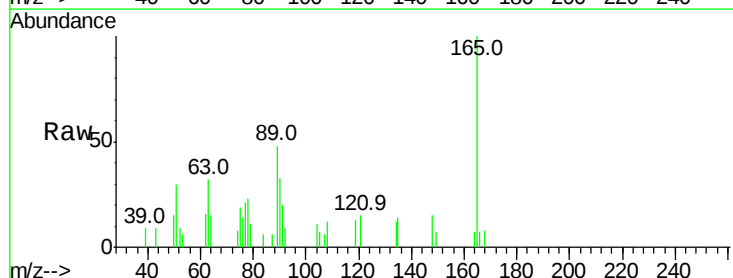
Tgt Ion:165 Resp: 4104

Ion Ratio Lower Upper

165 100

63 31.8 52.7 79.1#

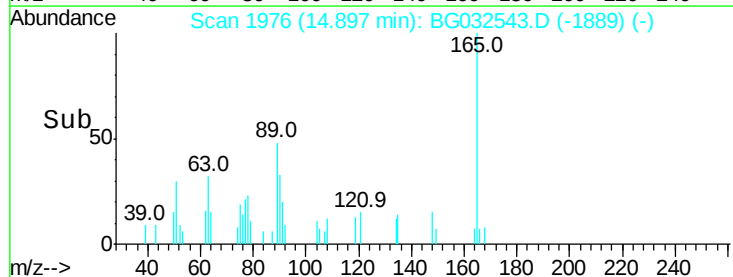
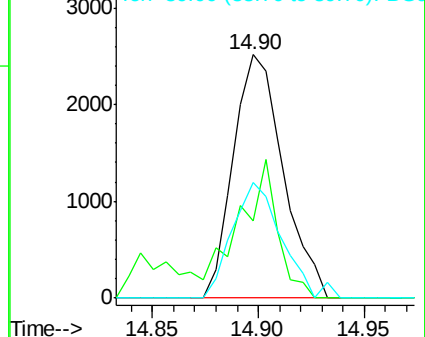
89 47.7 49.2 73.8#

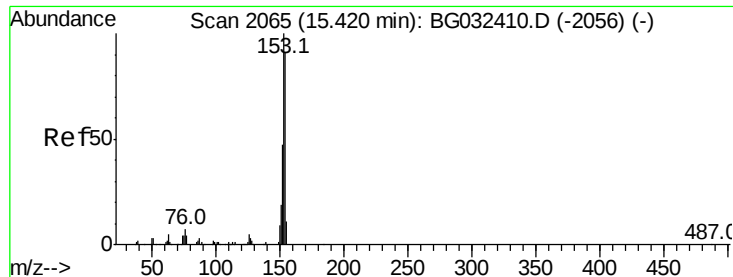


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 3.345 ng

RT: 15.40 min Scan# 2062

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

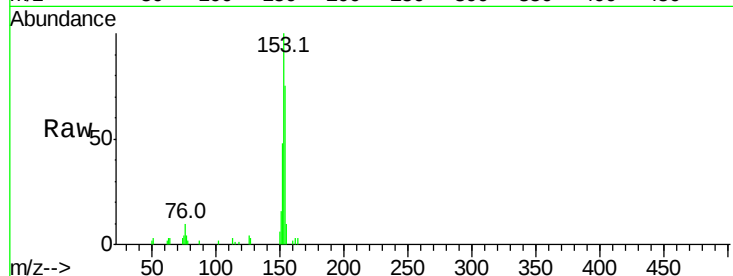
Tot Ion:154 Resp: 15086

Ion Ratio Lower Upper

154 100

153 133.2 90.4 135.6

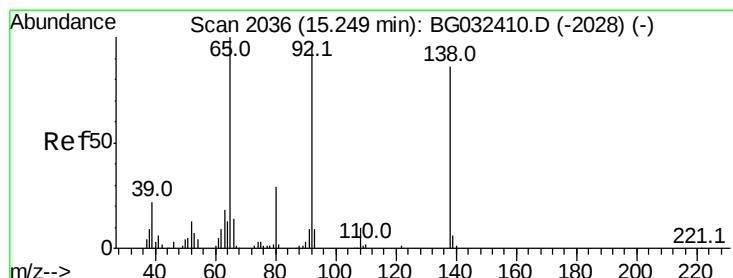
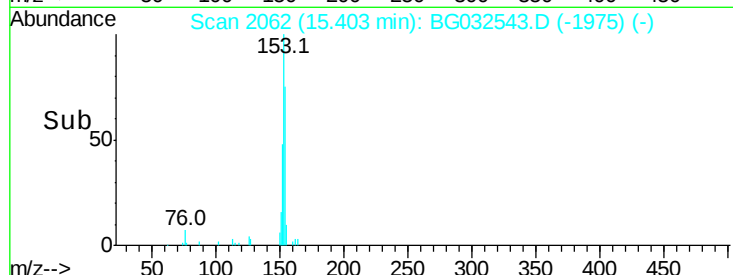
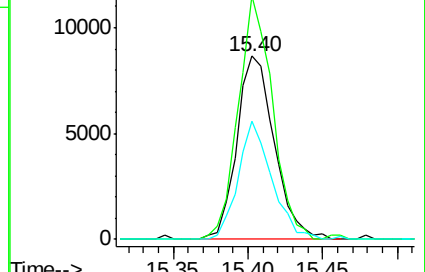
152 64.4 41.6 62.4#



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: 2.343 ng

RT: 15.24 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

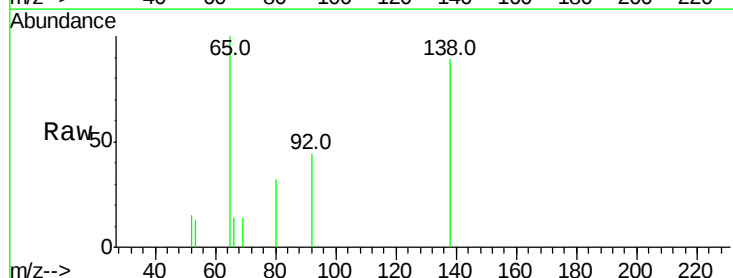
Tgt Ion:138 Resp: 2572

Ion Ratio Lower Upper

138 100

108 0.0 17.5 26.3#

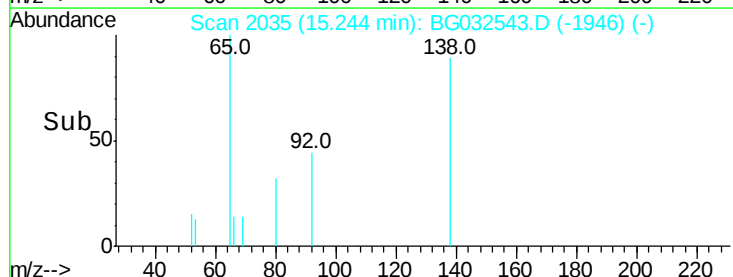
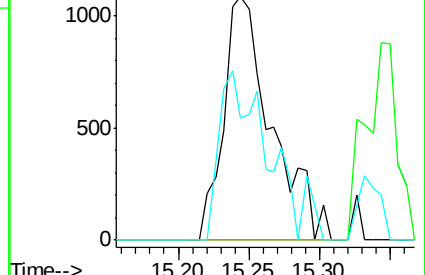
92 50.2 105.8 158.8#

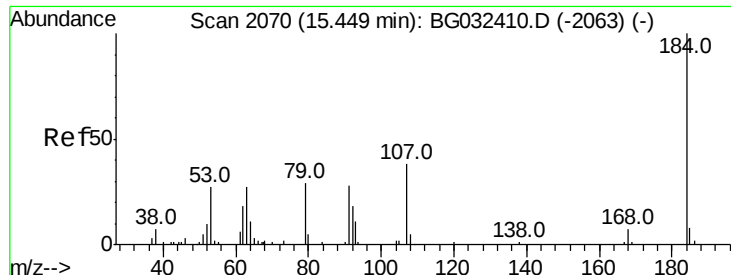


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

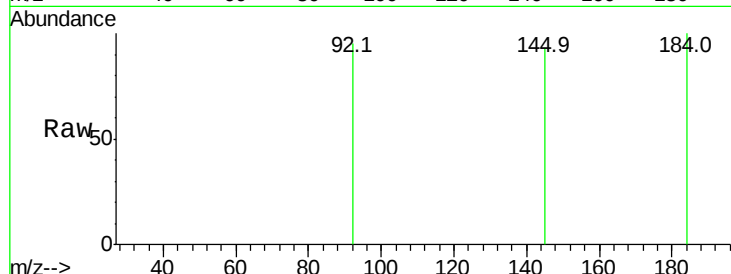




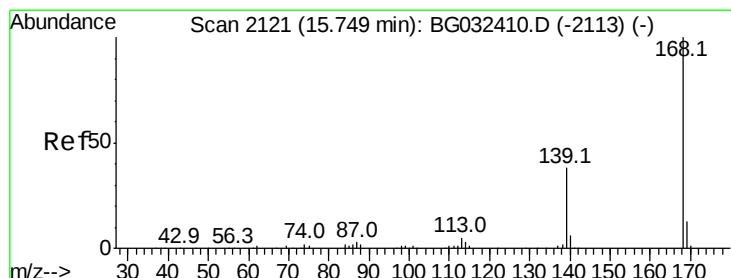
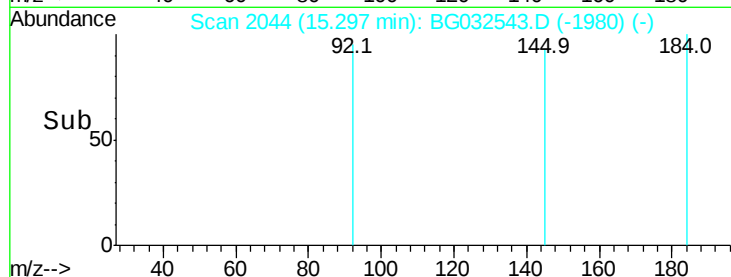
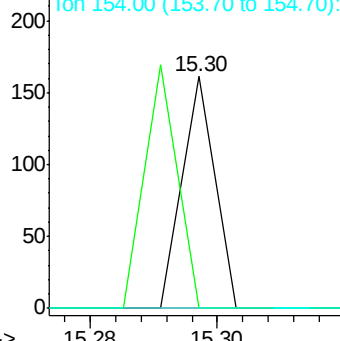
#53
 2,4-Dinitrophenol
 Concen: 4.173 ng
 RT: 15.30 min Scan# 2044
 Delta R.T. -0.15 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

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

Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#

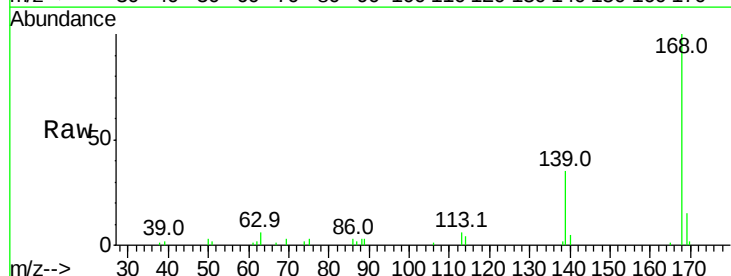


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

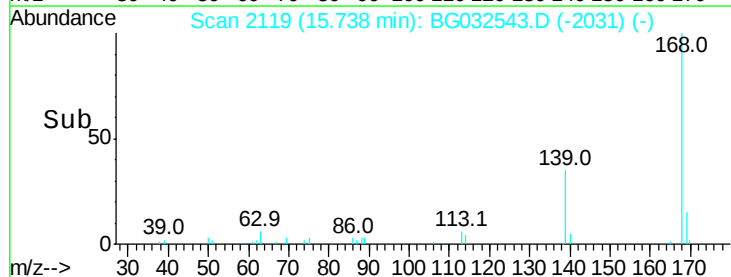
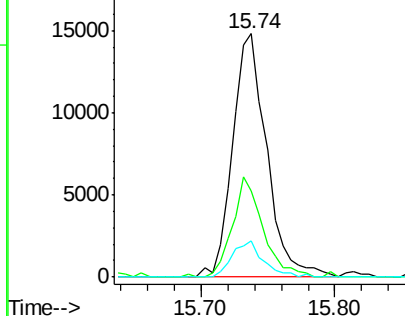


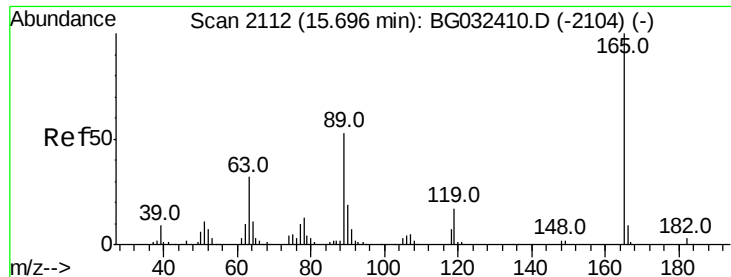
#54
 Dibenzofuran
 Concen: 3.931 ng
 RT: 15.74 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:168 Resp: 26235
 Ion Ratio Lower Upper
 168 100
 139 35.3 28.6 43.0
 169 15.1 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

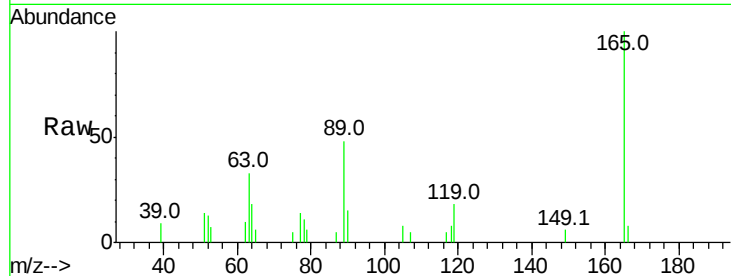




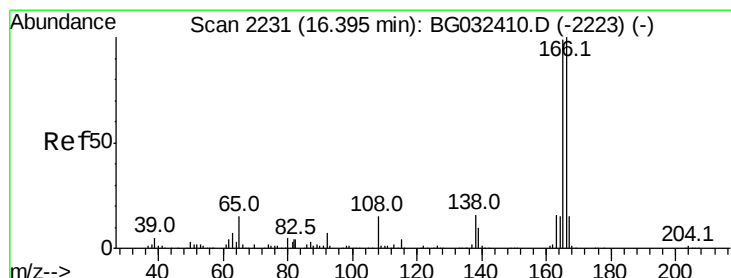
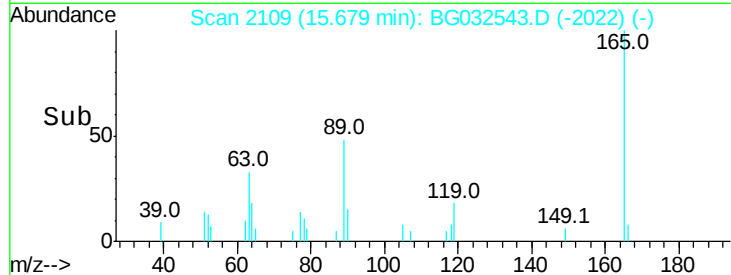
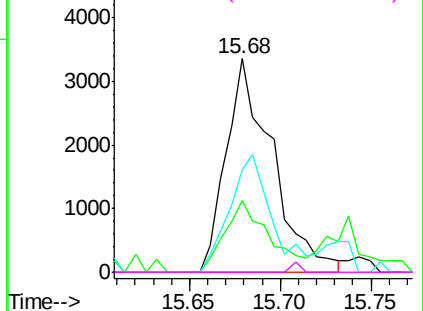
#56
2,4-Dinitrotoluene
Concen: 3.326 ng
RT: 15.68 min Scan# 2109
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

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

Tot Ion:165 Resp: 5952
Ion Ratio Lower Upper
165 100
63 33.5 42.0 63.0#
89 47.7 66.9 100.3#
182 0.0 2.6 3.8#

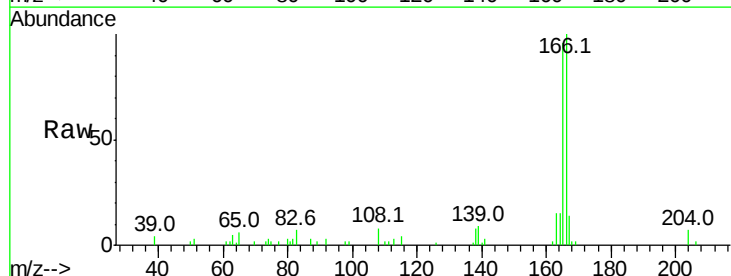


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

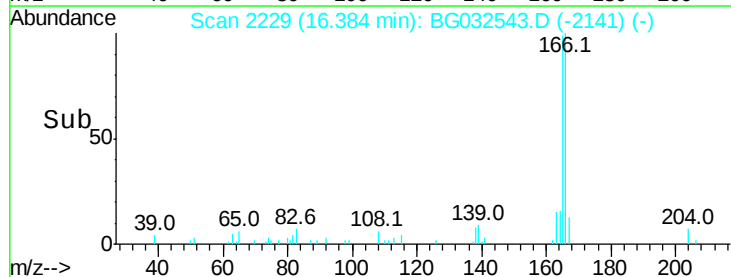
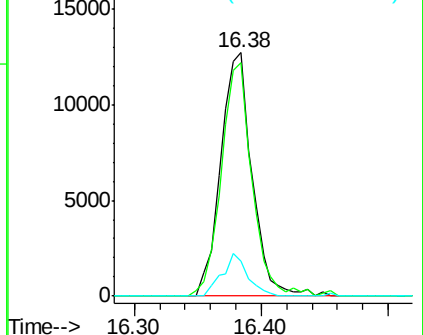


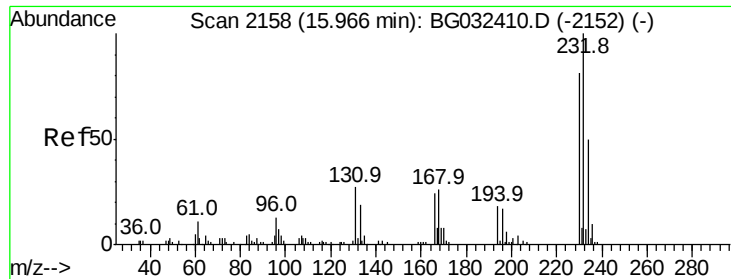
#57
Fluorene
Concen: 3.929 ng
RT: 16.38 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:166 Resp: 21791
Ion Ratio Lower Upper
166 100
165 95.7 80.6 121.0
167 14.4 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: 3.861 ng

RT: 15.96 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:232 Resp: 7337

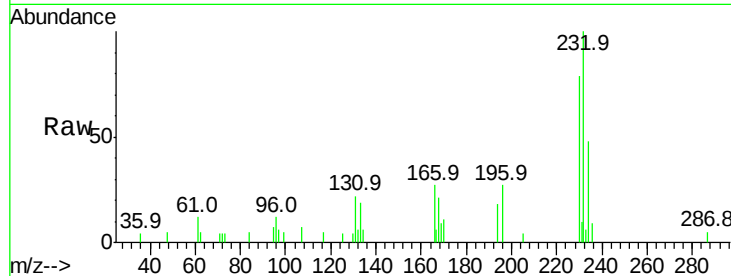
Ion Ratio Lower Upper

232 100

131 30.9 33.5 50.3#

130 0.8 2.2 3.2#

166 25.3 24.8 37.2

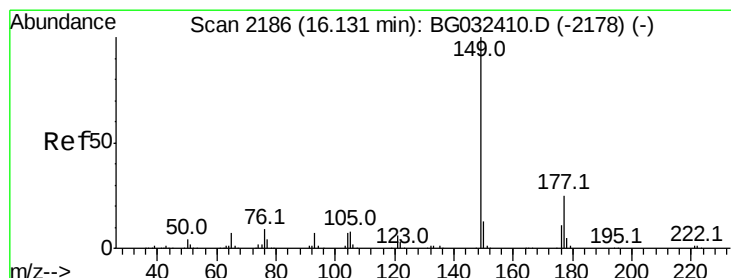
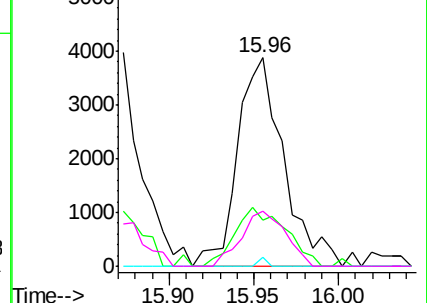
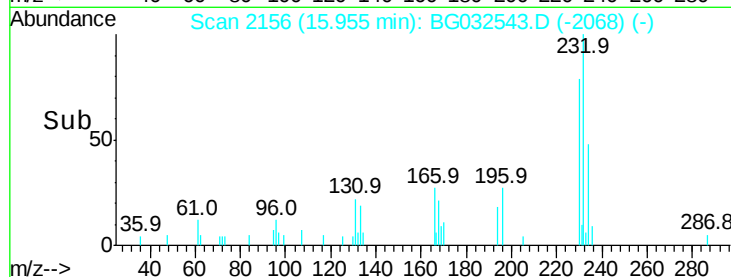


Abundance Ion 232.00 (231.70 to 232.70): E

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: 3.859 ng

RT: 16.11 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

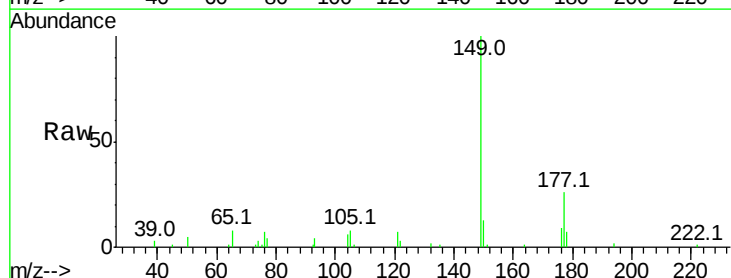
Tgt Ion:149 Resp: 22507

Ion Ratio Lower Upper

149 100

177 25.9 18.5 27.7

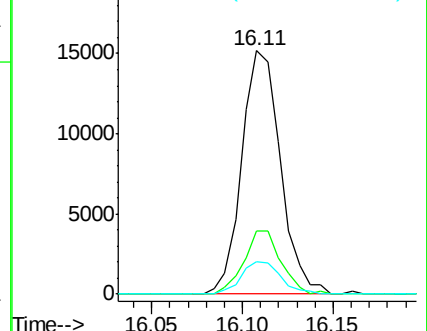
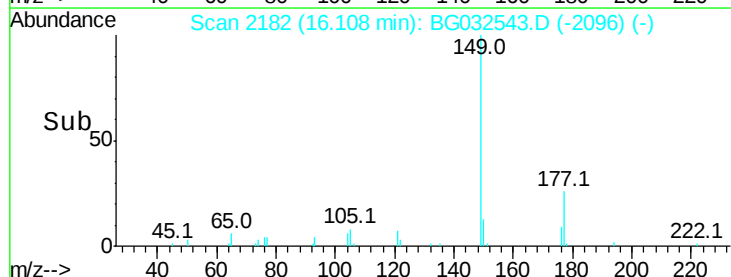
150 13.3 10.2 15.2

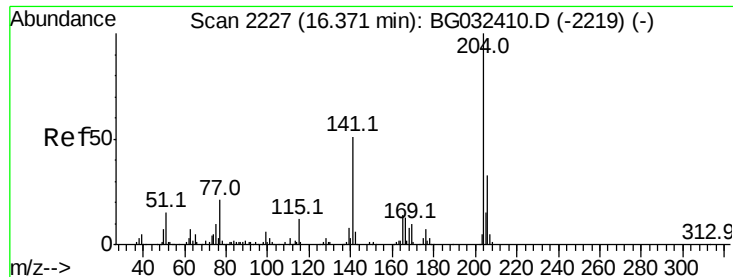


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

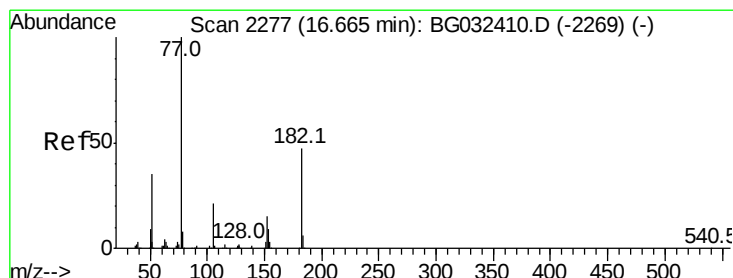
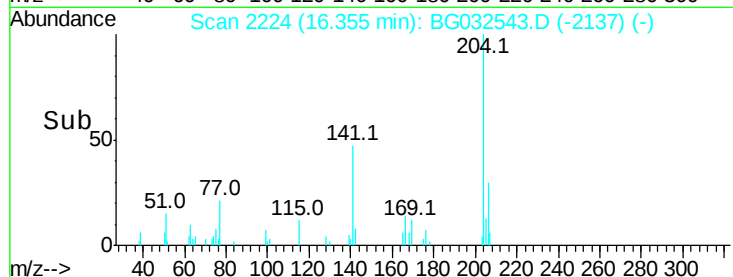
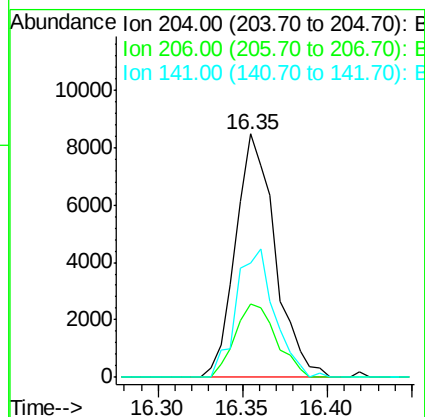
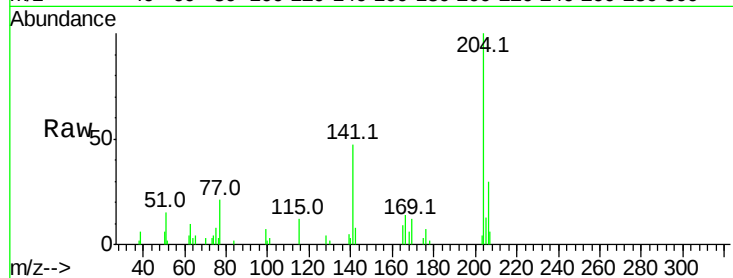




#60
4-Chlorophenyl-phenylether
Concen: 3.935 ng
RT: 16.35 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

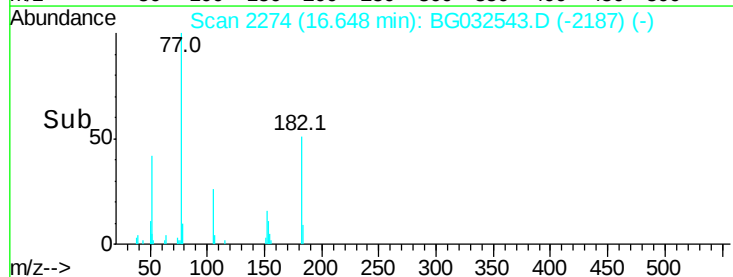
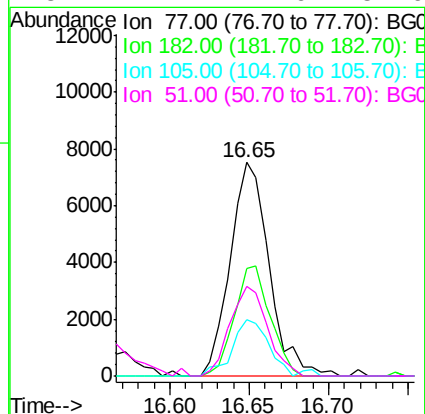
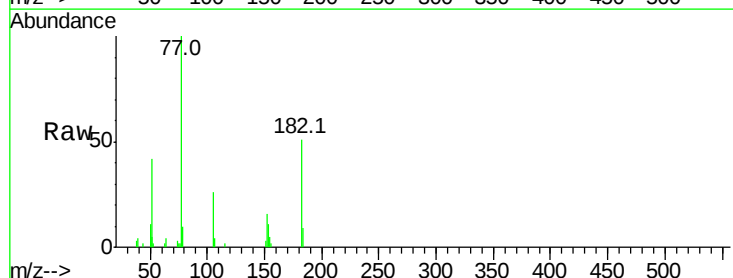
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

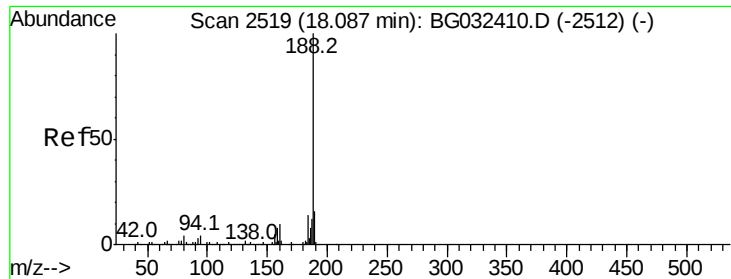
Tot Ion: 204 Resp: 13763
Ion Ratio Lower Upper
204 100
206 30.0 26.2 39.2
141 46.7 45.8 68.6



#62
Azobenzene
Concen: 3.676 ng
RT: 16.65 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion: 77 Resp: 12815
Ion Ratio Lower Upper
77 100
182 50.5 7.4 47.4#
105 26.1 0.3 40.3
51 41.7 11.6 51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.08 min Scan# 2517

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

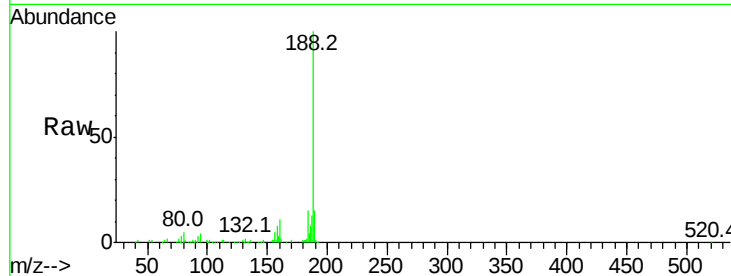
Tot Ion:188 Resp: 170867

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

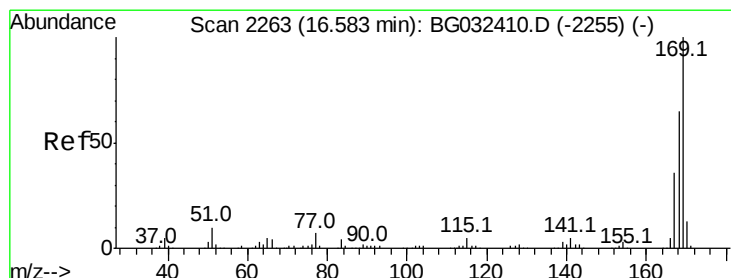
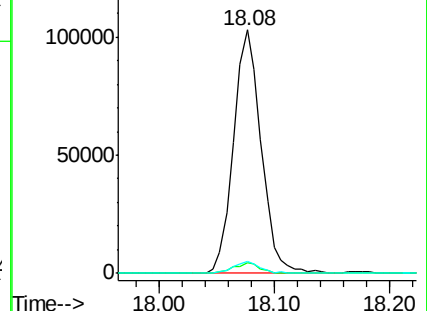
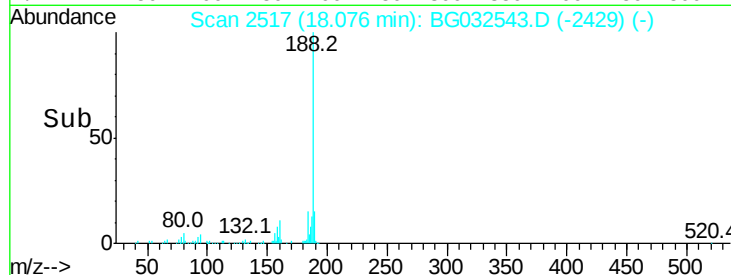
80 4.9 7.7 11.5#



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: 3.313 ng

RT: 16.57 min Scan# 2260

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

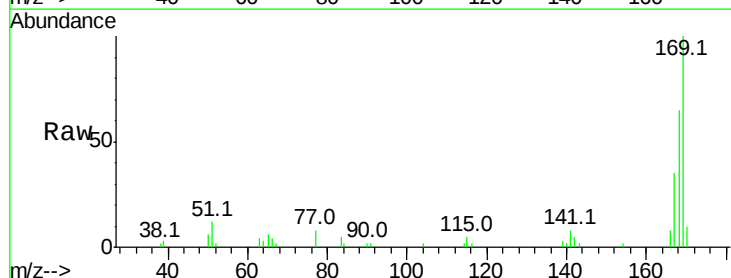
Tgt Ion:169 Resp: 16893

Ion Ratio Lower Upper

169 100

168 64.8 55.7 83.5

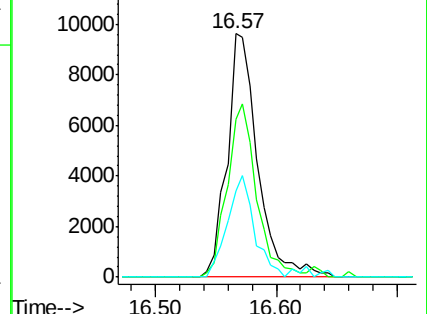
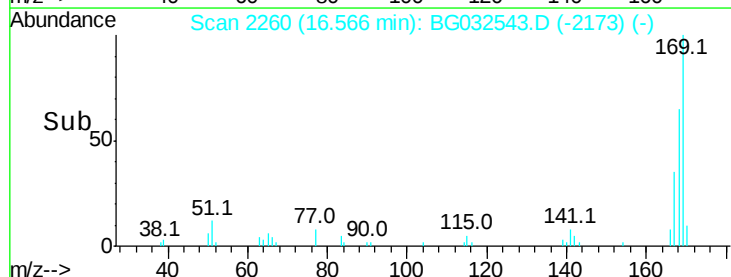
167 35.4 30.1 45.1

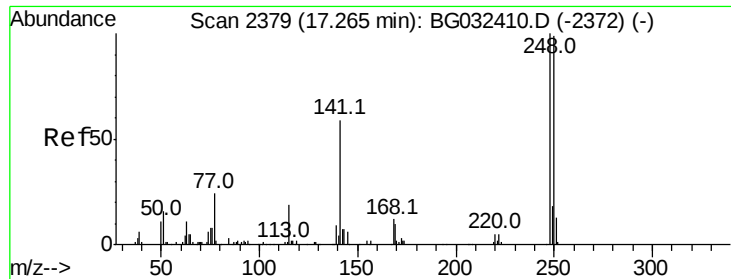


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

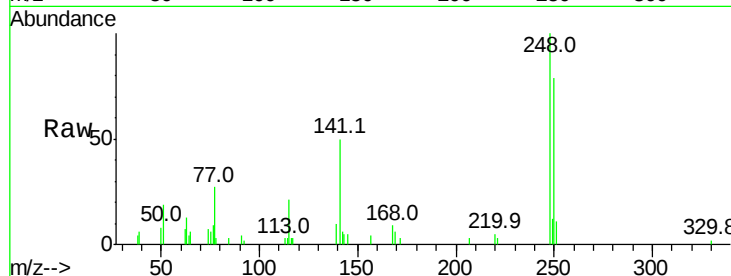




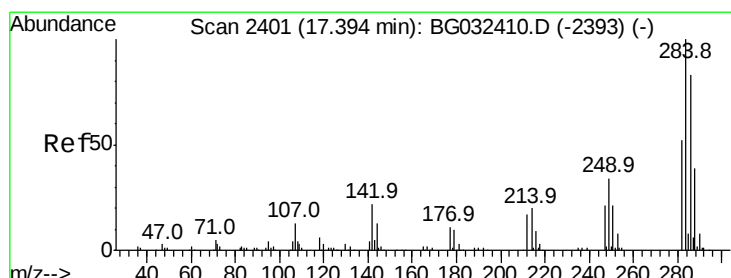
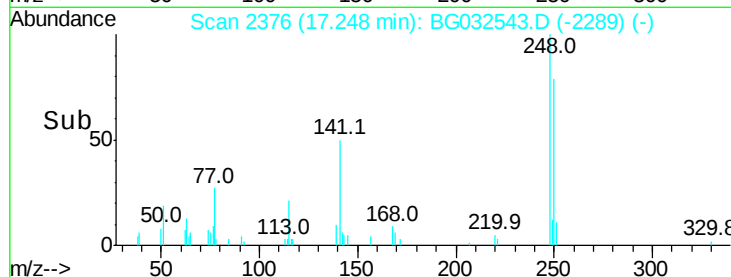
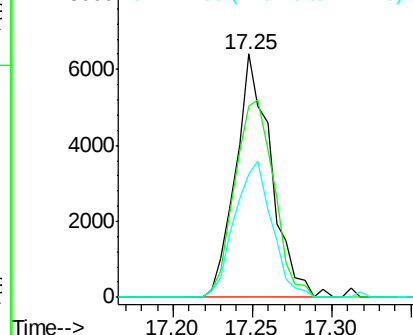
#66
4-Bromophenyl-phenylether
Concen: 3.932 ng
RT: 17.25 min Scan# 2376
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

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

Tot Ion:248 Resp: 9954
Ion Ratio Lower Upper
248 100
250 78.6 77.1 115.7
141 50.4 50.8 76.2#

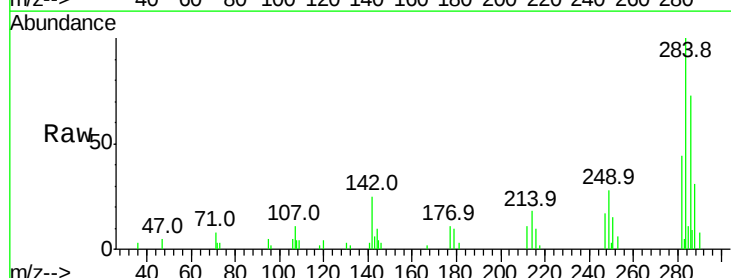


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

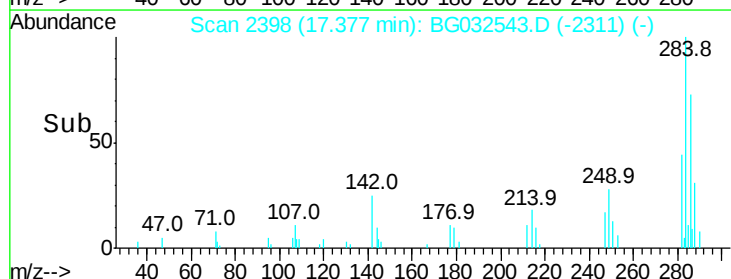
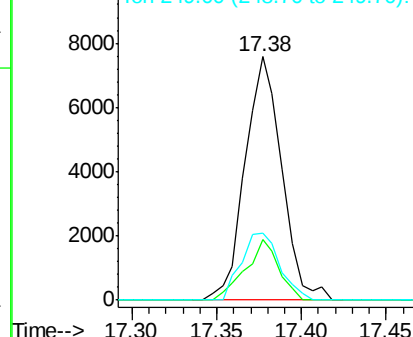


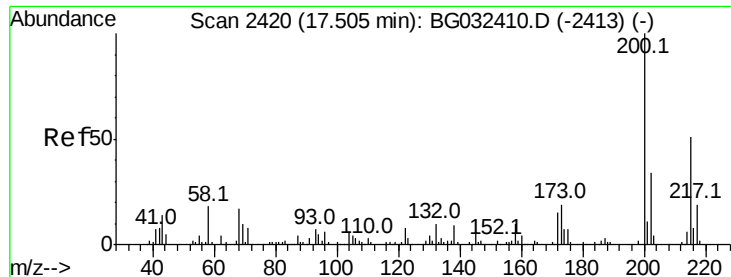
#67
Hexachlorobenzene
Concen: 4.077 ng
RT: 17.38 min Scan# 2398
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:284 Resp: 11421
Ion Ratio Lower Upper
284 100
142 25.1 26.8 40.2#
249 27.6 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

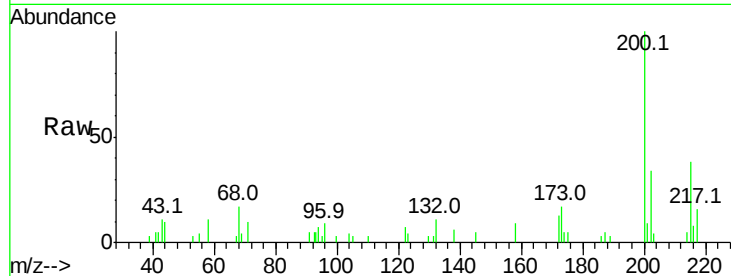




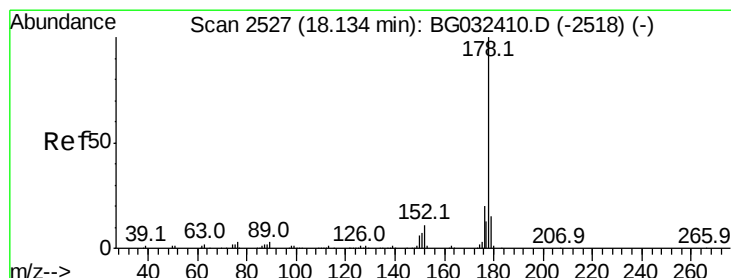
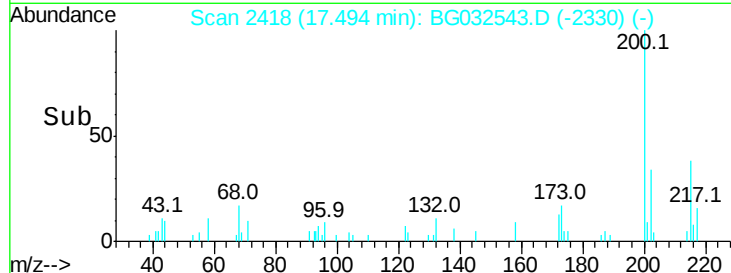
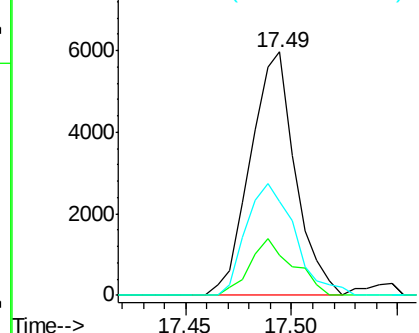
#68
 Atrazine
 Concen: 4.016 ng
 RT: 17.49 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

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

Tot Ion:200 Resp: 8791
 Ion Ratio Lower Upper
 200 100
 173 16.6 5.2 45.2
 215 38.3 30.4 70.4

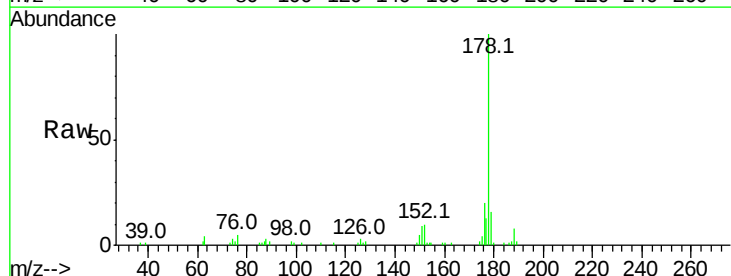


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

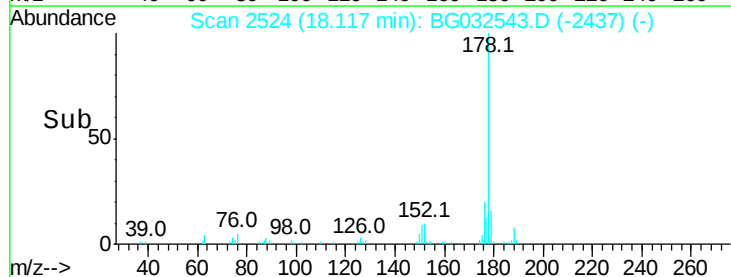
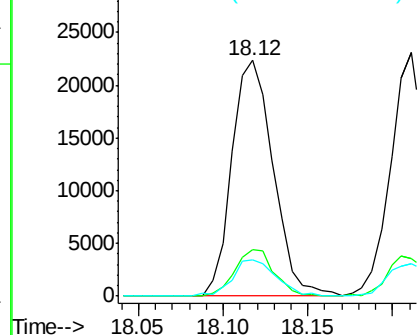


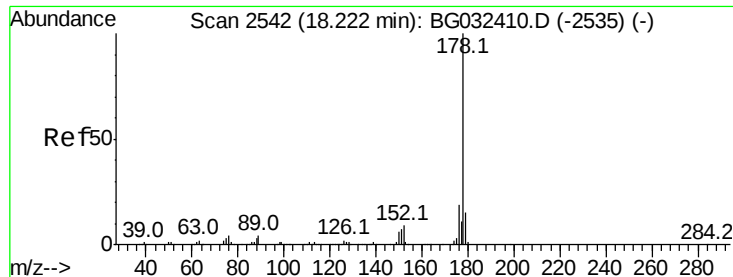
#70
 Phenanthrene
 Concen: 3.990 ng
 RT: 18.12 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:178 Resp: 38018
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 15.5 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

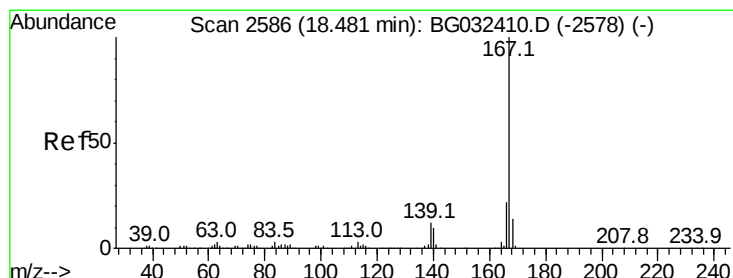
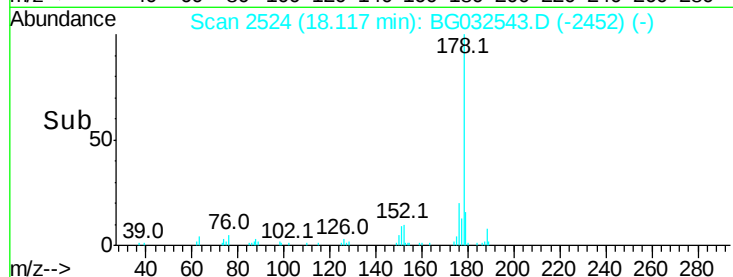
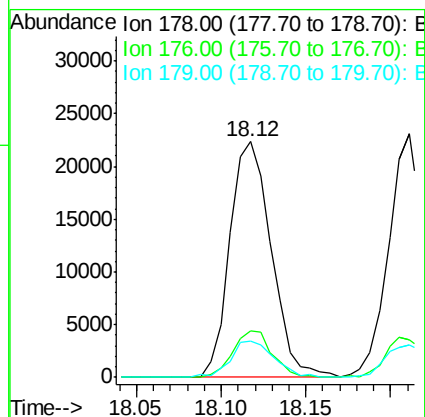
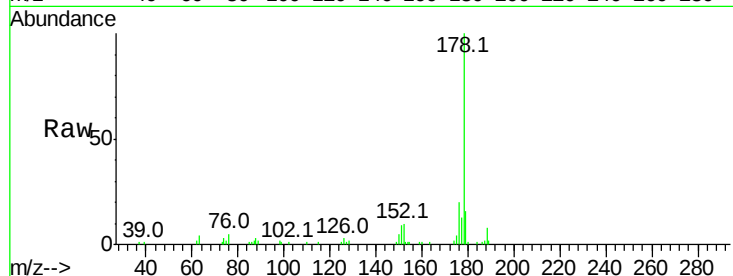




#71
 Anthracene
 Concen: 4.007 ng
 RT: 18.12 min Scan# 2524
 Delta R.T. -0.10 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

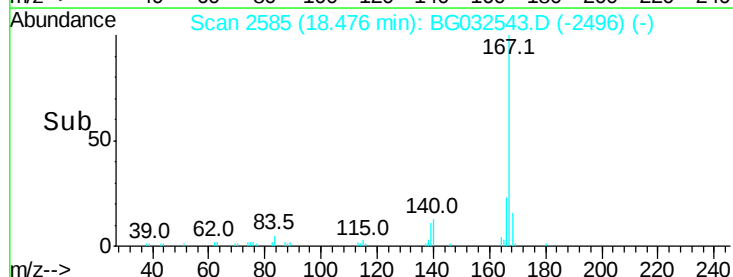
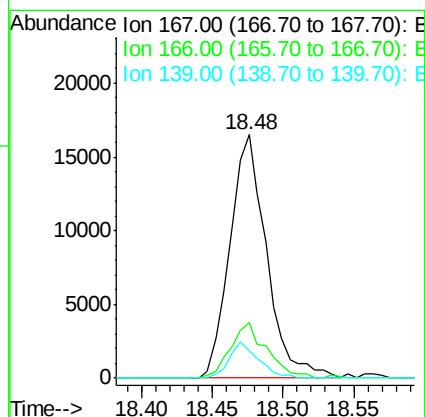
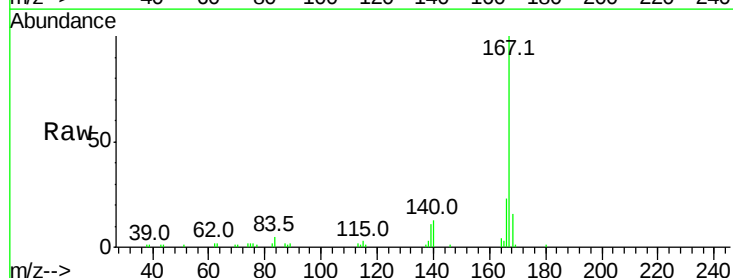
Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT1-2018

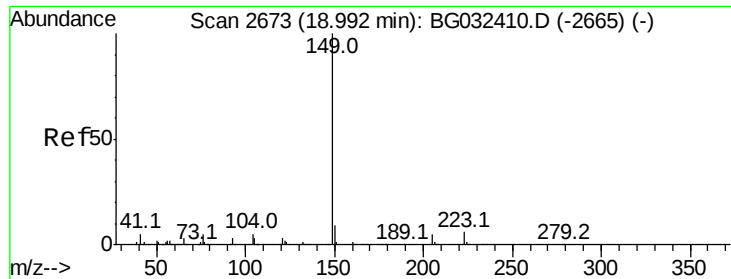
Tot Ion:178 Resp: 38018
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.0 24.0
 179 15.5 12.5 18.7



#72
 Carbazole
 Concen: 3.563 ng
 RT: 18.48 min Scan# 2585
 Delta R.T. -0.01 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:167 Resp: 29869
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.2 27.4
 139 11.4 9.4 14.2

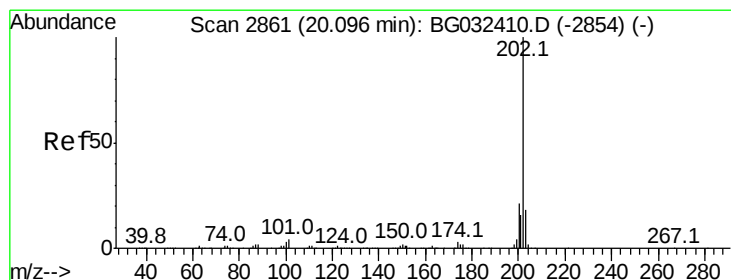
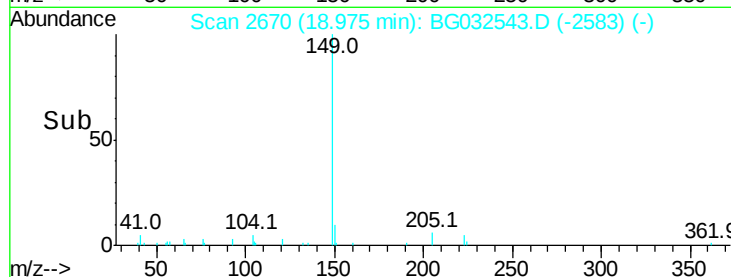
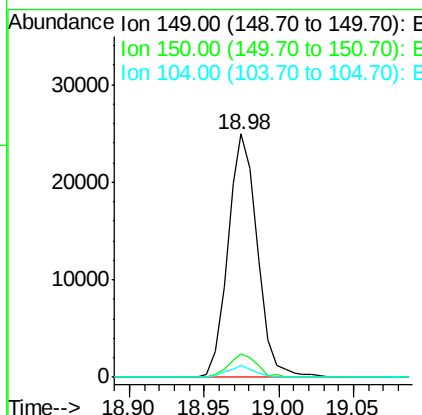
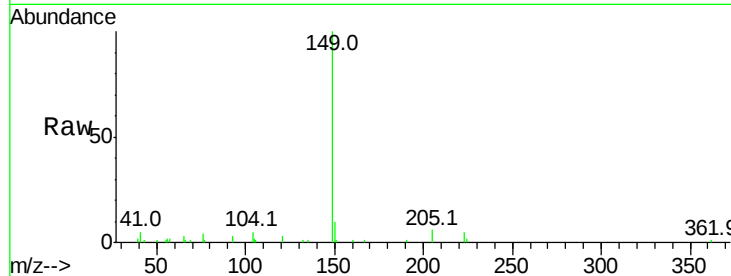




#73
Di-n-butylphthalate
Concen: 3.704 ng
RT: 18.98 min Scan# 2670
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

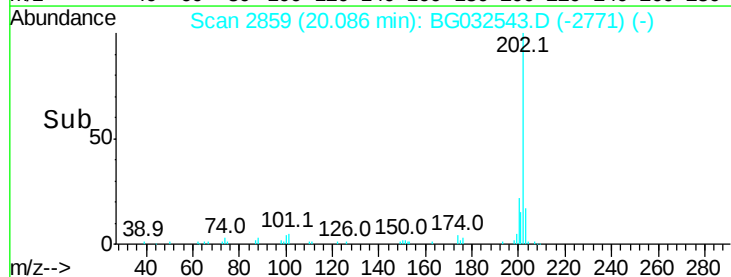
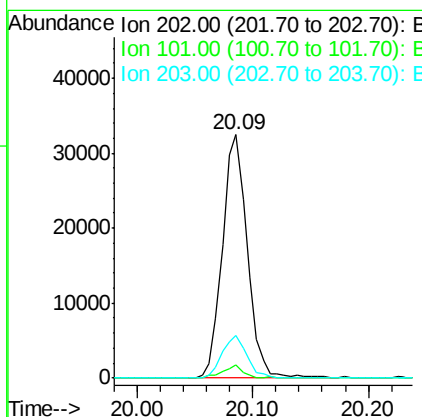
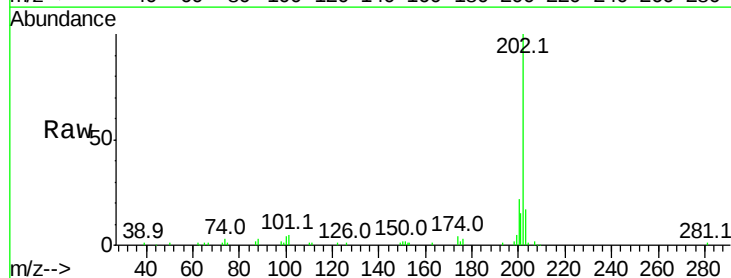
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

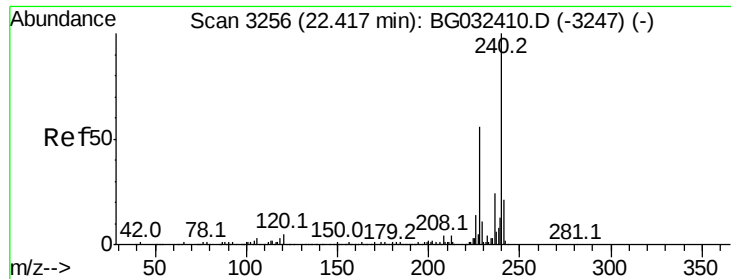
Tot Ion:149 Resp: 34380
Ion Ratio Lower Upper
149 100
150 9.5 7.8 11.6
104 4.7 3.9 5.9



#74
Fluoranthene
Concen: 3.900 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:202 Resp: 48736
Ion Ratio Lower Upper
202 100
101 5.3 0.0 28.9
203 17.4 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.41 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

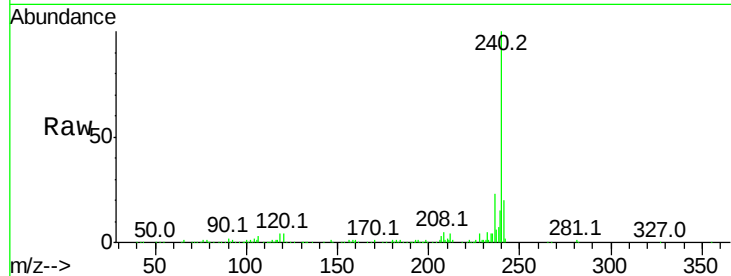
Tot Ion:240 Resp: 220087

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

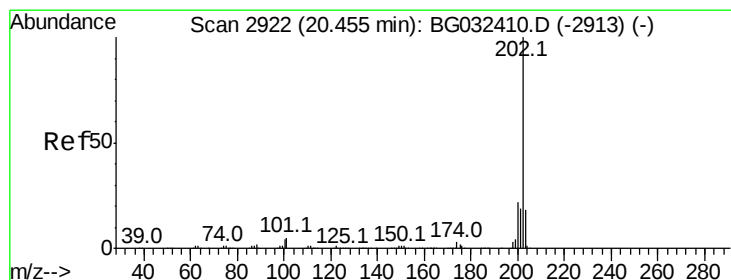
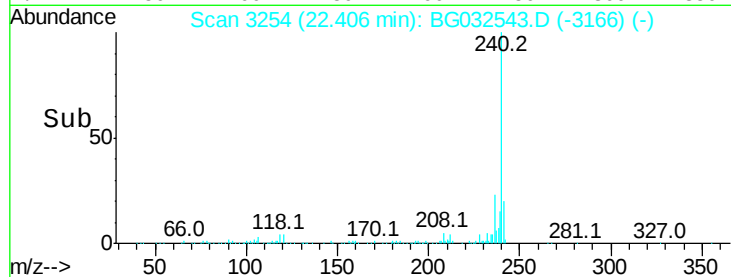
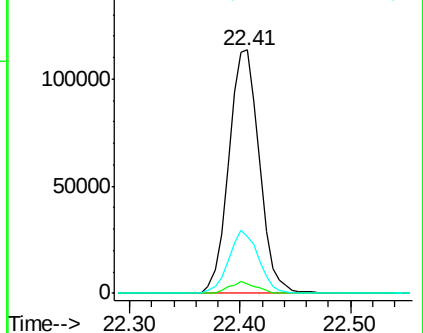
236 23.5 20.9 31.3



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

Pyrene

Concen: 3.634 ng

RT: 20.44 min Scan# 2919

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

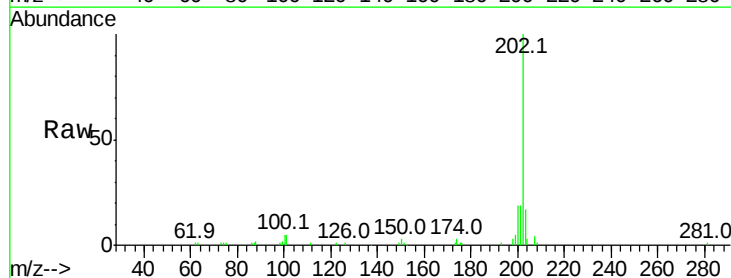
Tgt Ion:202 Resp: 49054

Ion Ratio Lower Upper

202 100

200 19.3 16.9 25.3

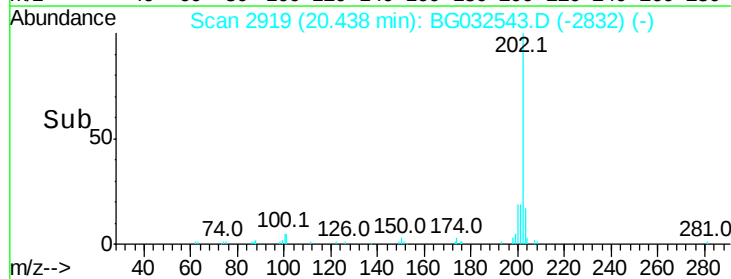
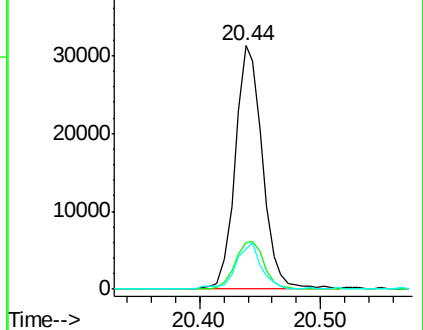
203 16.7 13.9 20.9

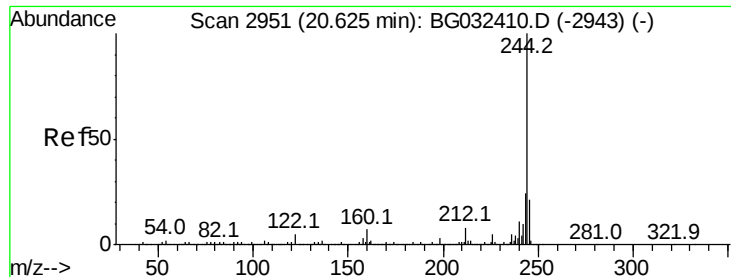


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 89.139 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

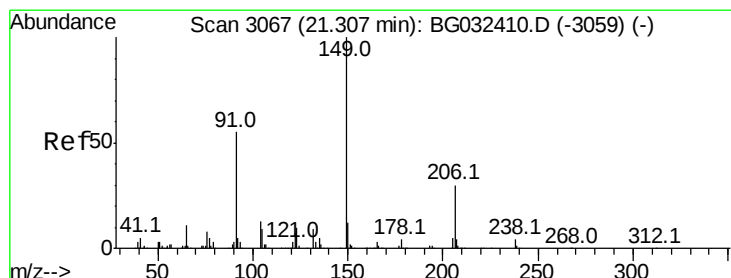
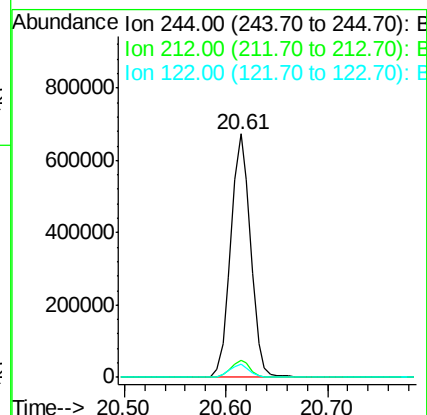
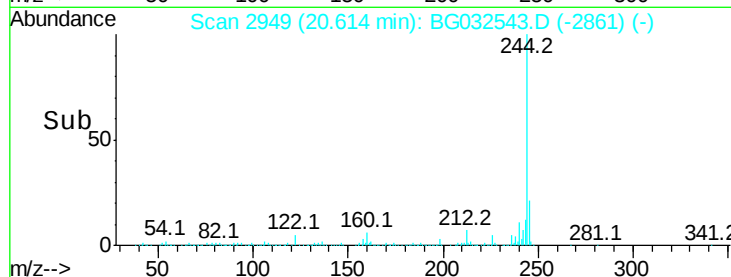
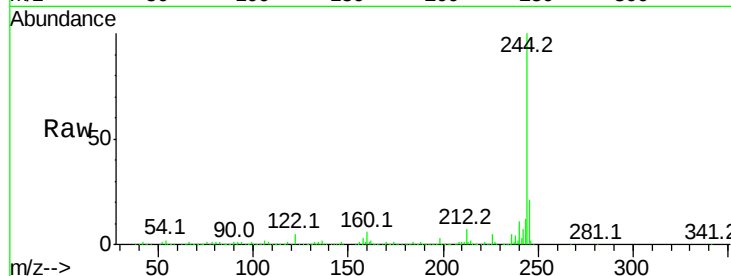
Tot Ion:244 Resp: 915849

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 5.4 7.0 10.4#



#79

Butylbenzylphthalate

Concen: 3.955 ng

RT: 21.30 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

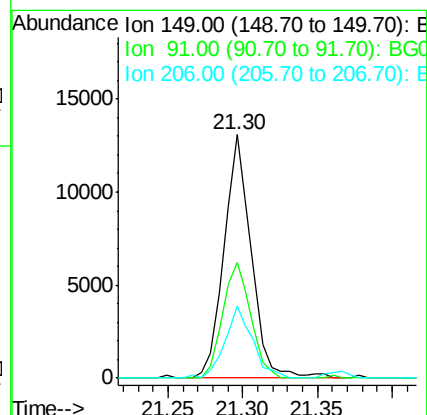
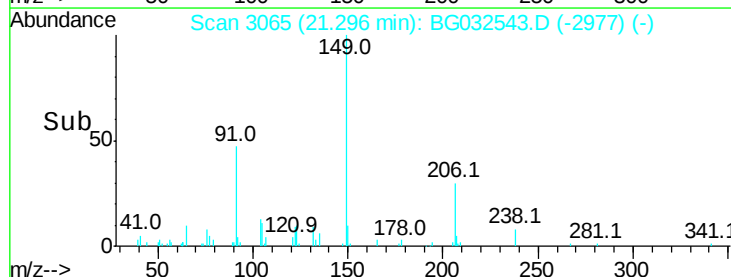
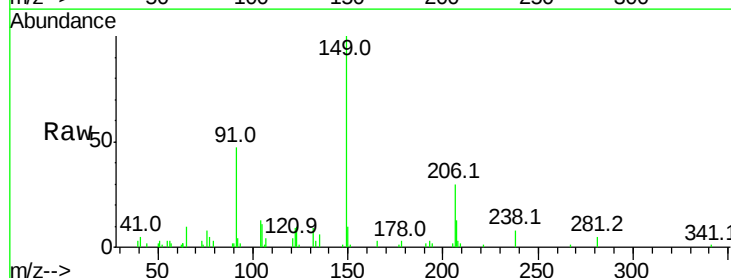
Tgt Ion:149 Resp: 16838

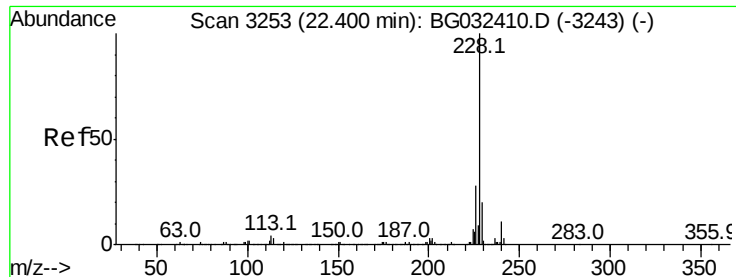
Ion Ratio Lower Upper

149 100

91 47.3 62.2 93.2#

206 29.9 18.6 27.8#

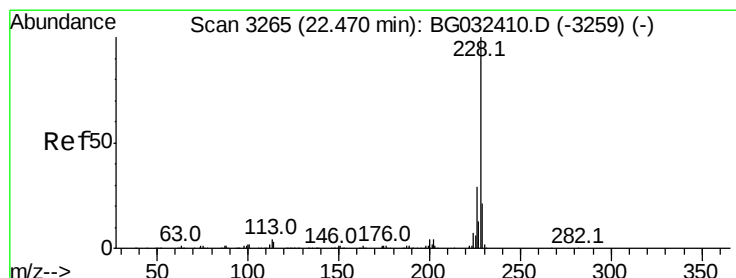
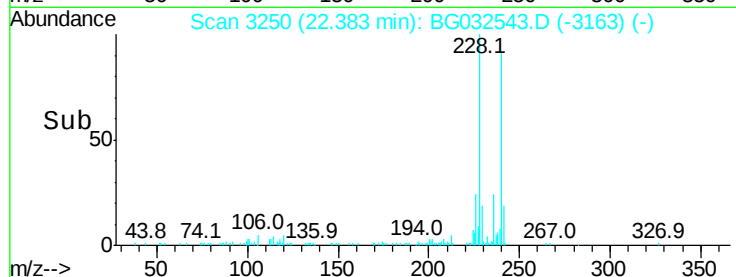
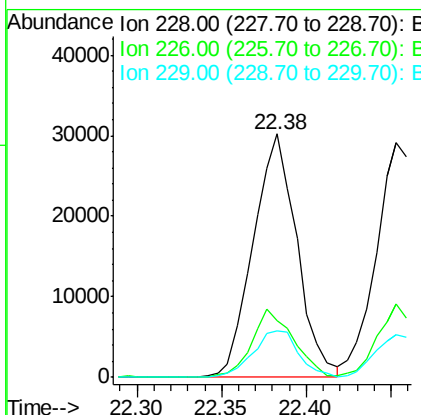
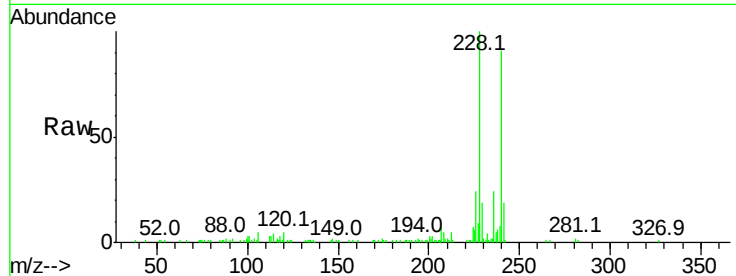




#80
Benzo(a)anthracene
Concen: 3.982 ng
RT: 22.38 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

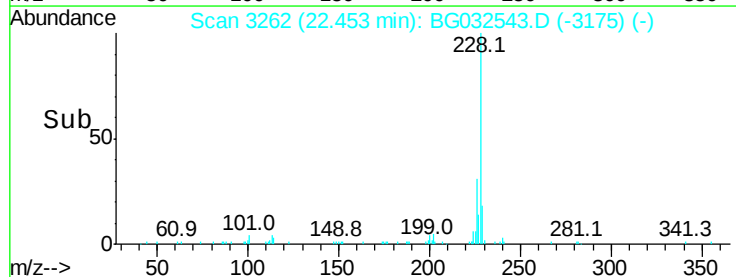
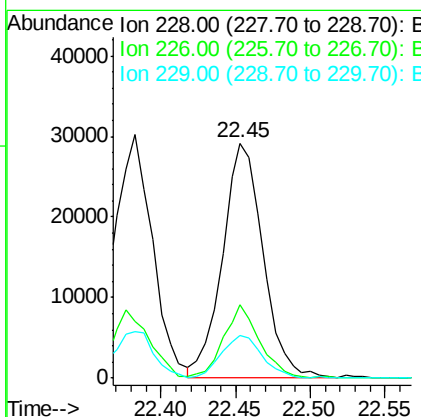
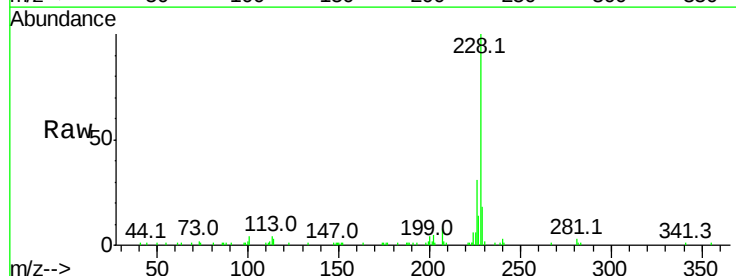
Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT1-2018

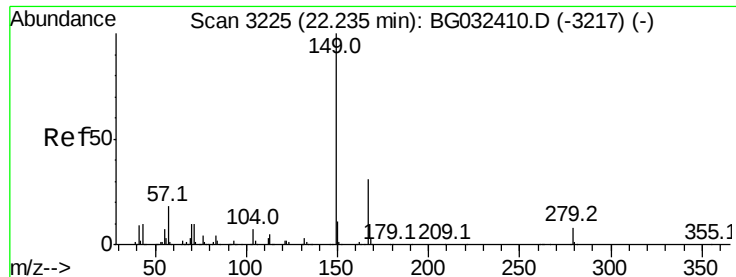
Tot Ion:228 Resp: 54326
Ion Ratio Lower Upper
228 100
226 23.5 22.7 34.1
229 18.9 16.2 24.2



#82
Chrysene
Concen: 4.201 ng
RT: 22.45 min Scan# 3262
Delta R.T. -0.02 min
Lab File: BG032543.D
Acq: 5 Feb 2018 20:55

Tgt Ion:228 Resp: 55361
Ion Ratio Lower Upper
228 100
226 31.0 24.9 37.3
229 18.0 15.0 22.4

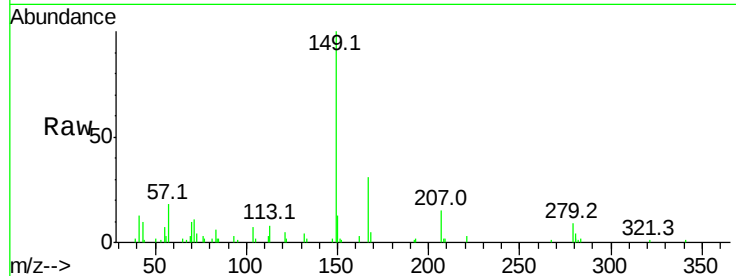




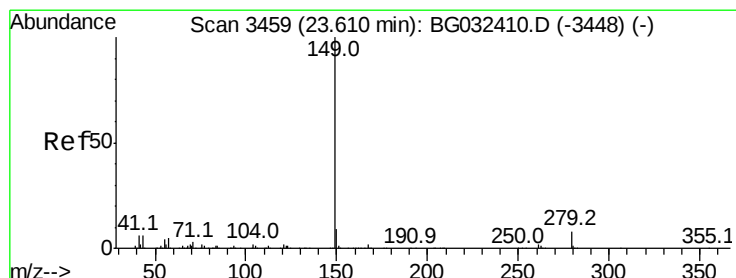
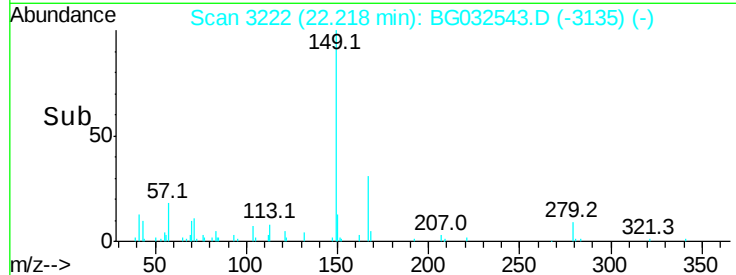
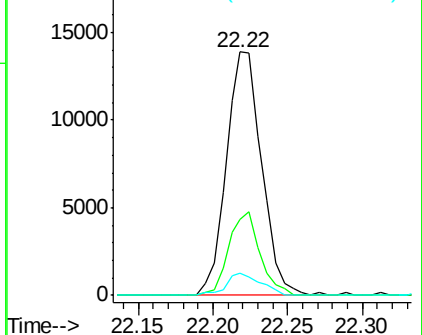
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.795 ng
 RT: 22.22 min Scan# 3222
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

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

Tot Ion:149 Resp: 22910
 Ion Ratio Lower Upper
 149 100
 167 31.0 24.3 36.5
 279 9.3 4.0 6.0#

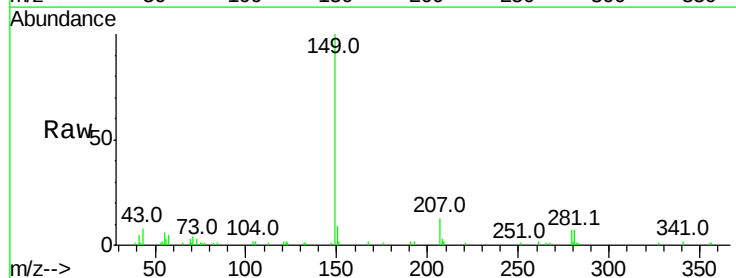


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

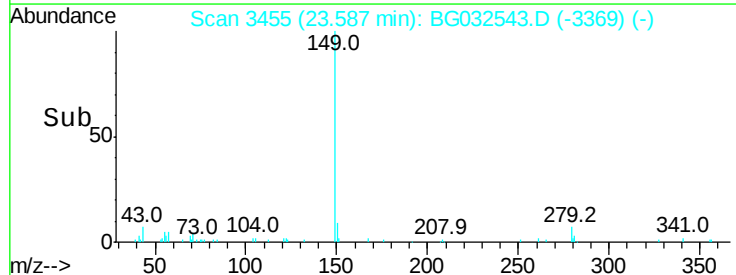
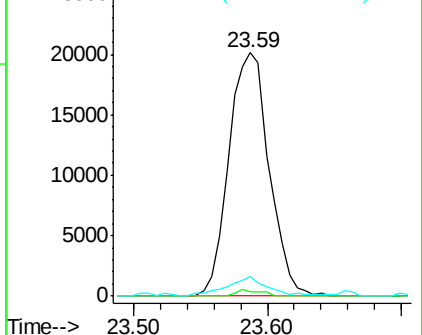


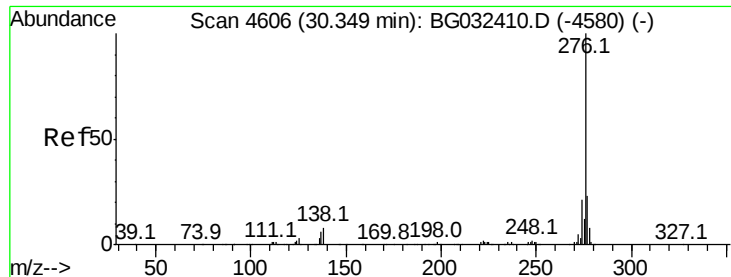
#84
 Di-n-octyl phthalate
 Concen: 4.391 ng
 RT: 23.59 min Scan# 3455
 Delta R.T. -0.02 min
 Lab File: BG032543.D
 Acq: 5 Feb 2018 20:55

Tgt Ion:149 Resp: 42049
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.4 2.0
 43 8.5 8.9 13.3#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BG





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.295 ng

RT: 30.31 min Scan# 4599

Delta R.T. -0.04 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

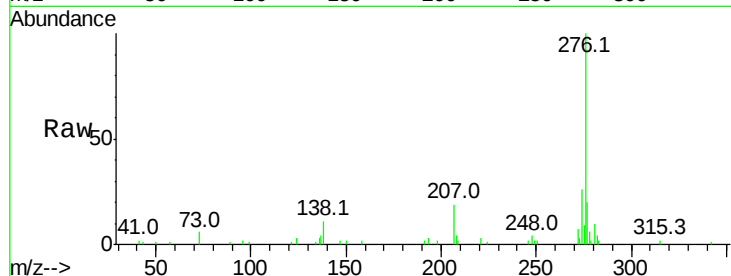
Tot Ion:276 Resp: 71601

Ion Ratio Lower Upper

276 100

138 3.0 16.0 24.0#

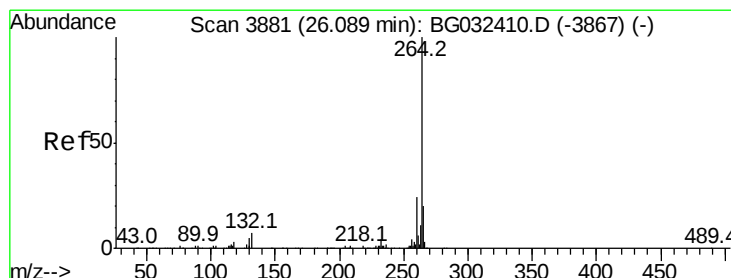
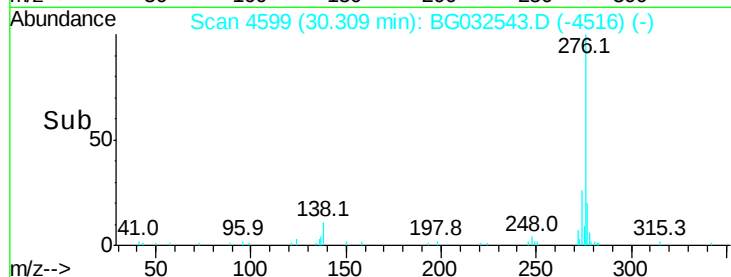
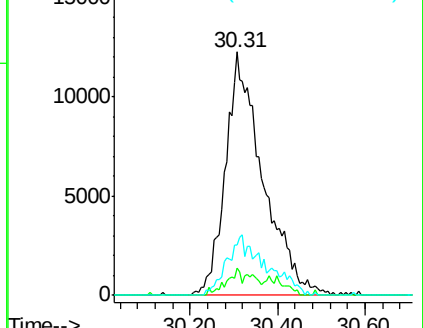
277 20.0 20.0 30.0#



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: 26.08 min Scan# 3879

Delta R.T. -0.01 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

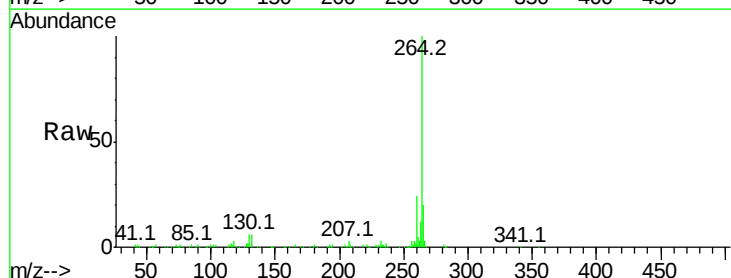
Tgt Ion:264 Resp: 250020

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

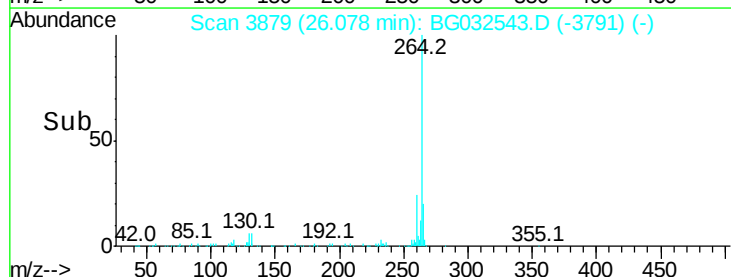
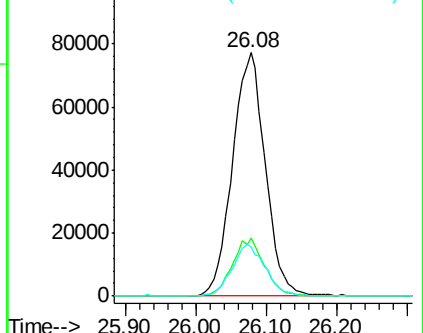
265 20.3 17.7 26.5

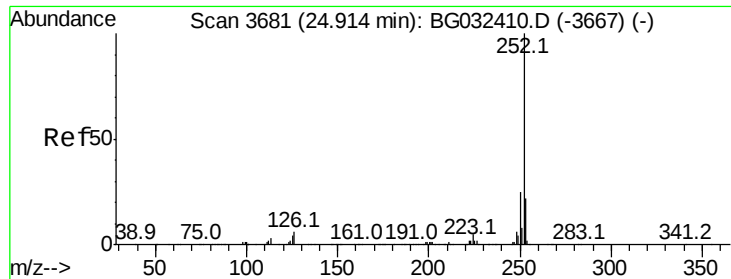


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.767 ng

RT: 24.89 min Scan# 3677

Delta R.T. -0.02 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

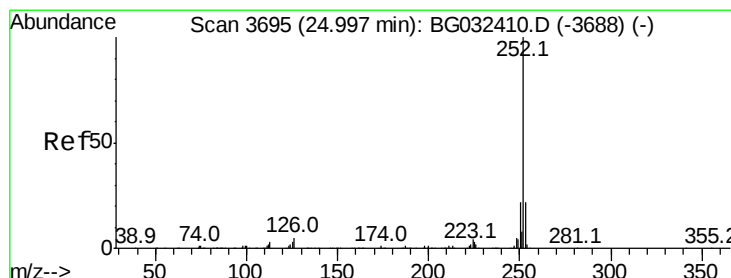
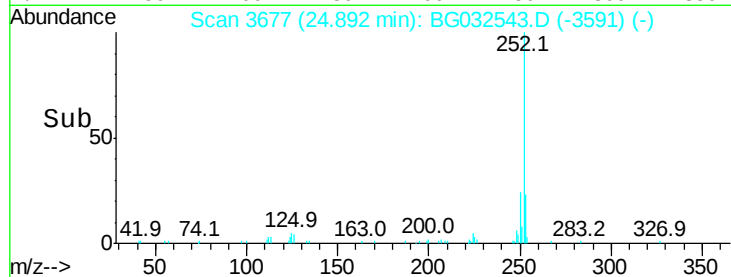
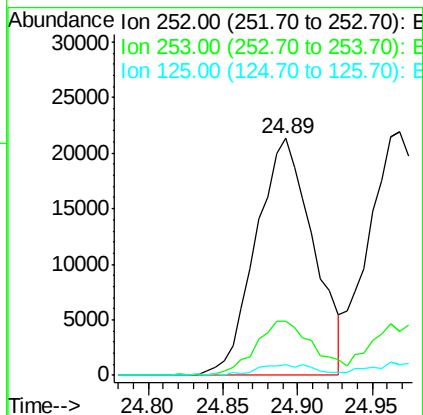
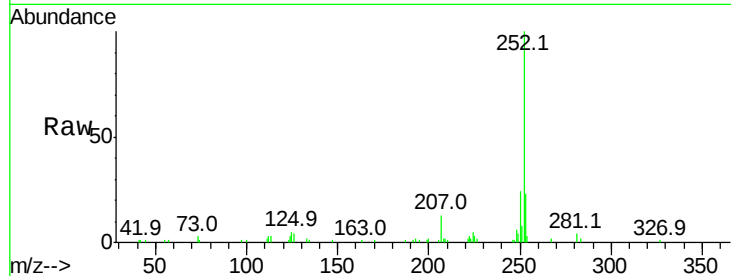
Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

Tot Ion:	252	Resp:	56910
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	4.7	7.2	10.8#



#88

Benzo(k)fluoranthene

Concen: 4.103 ng

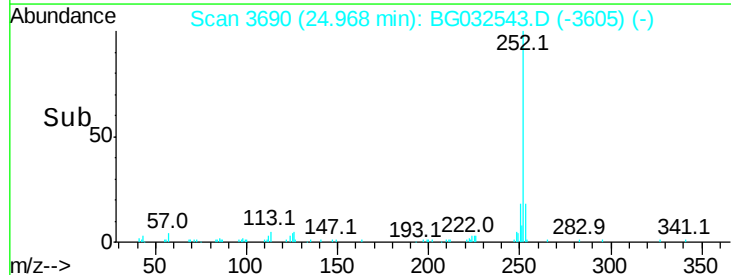
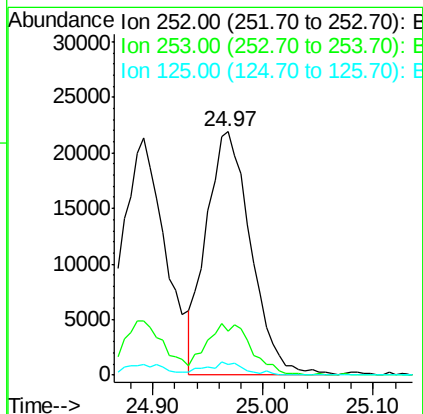
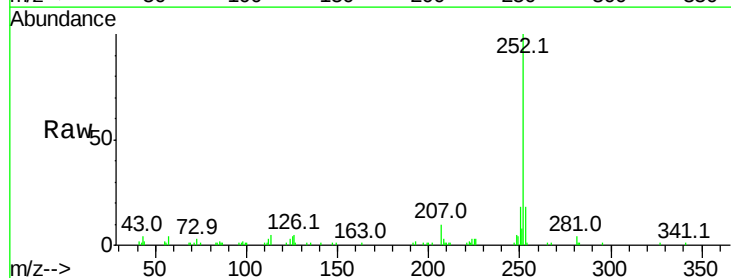
RT: 24.97 min Scan# 3690

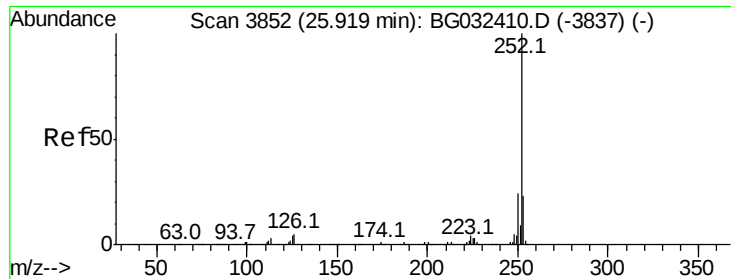
Delta R.T. -0.03 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Tgt Ion:	252	Resp:	61409
Ion	Ratio	Lower	Upper
252	100		
253	18.2	17.4	26.2
125	4.3	6.6	9.8#





#89

Benzo(a)pyrene

Concen: 3.891 ng

RT: 25.89 min Scan# 3847

Delta R.T. -0.03 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

Instrument :

BNA_G

ClientSampleId :

MDL-SOIL-03-QT1-2018

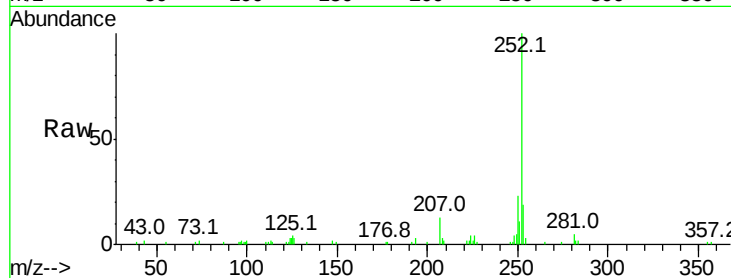
Tot Ion:252 Resp: 56040

Ion Ratio Lower Upper

252 100

253 19.3 18.3 27.5

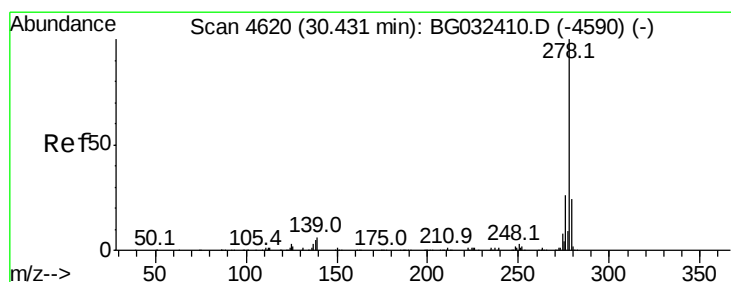
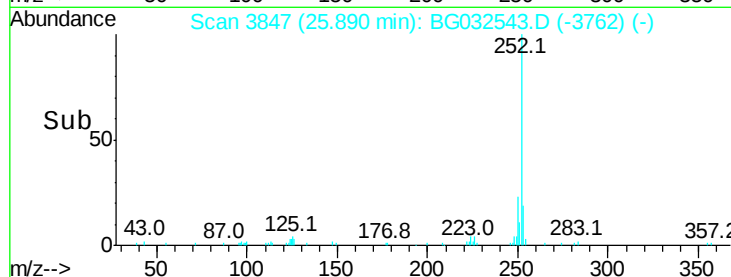
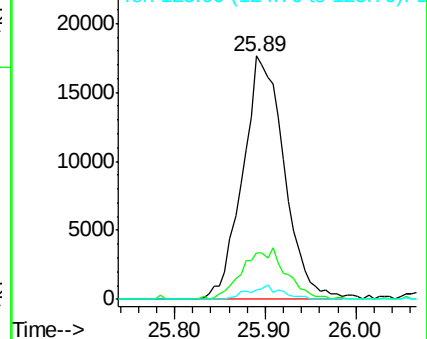
125 3.7 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.111 ng

RT: 30.39 min Scan# 4612

Delta R.T. -0.05 min

Lab File: BG032543.D

Acq: 5 Feb 2018 20:55

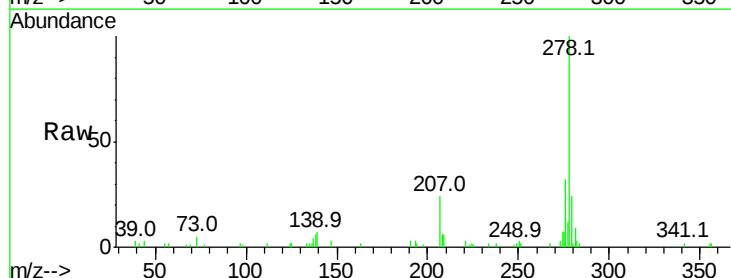
Tgt Ion:278 Resp: 60569

Ion Ratio Lower Upper

278 100

139 7.0 9.8 14.6#

279 24.3 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

