

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037453.D
 Acq On : 19 Oct 2018 14:39
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 1PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 23:29:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	52048	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	241245	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	164360	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	398304	20.00	ng	0.00
76) Chrysene-d12	21.77	240	370378	20.00	ng	0.00
87) Perylene-d12	25.11	264	353842	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	419219	134.66	ng	0.00
7) Phenol-d6	7.25	99	616887	131.04	ng	0.00
23) Nitrobenzene-d5	9.28	82	357758	83.07	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	243856	136.03	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	885819	81.27	ng	0.00
79) Terphenyl-d14	20.09	244	1355341	78.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	1418	0.898	ng	# 40
3) Pyridine	3.96	79	3299	0.829	ng	# 54
4) n-Nitrosodimethylamine	3.88	42	1039	0.733	ng	# 51
6) Aniline	7.43	93	3465	0.603	ng	93
8) 2-Chlorophenol	7.66	128	4124	1.132	ng	84
9) Benzaldehyde	7.25	77	3555	1.207	ng	# 84
10) Phenol	7.28	94	5214	1.050	ng	92
11) bis(2-Chloroethyl)ether	7.52	93	3577	0.948	ng	89
12) 1,3-Dichlorobenzene	8.14	146	4453	1.098	ng	98
13) 1,4-Dichlorobenzene	8.14	146	4453	1.074	ng	93
14) 1,2-Dichlorobenzene	8.46	146	3866	0.969	ng	94
15) Benzyl Alcohol	8.35	79	3026	0.870	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.63	45	7037	1.043	ng	96
17) 2-Methylphenol	8.53	107	3189	0.971	ng	# 84
18) Hexachloroethane	9.19	117	1455	1.029	ng	# 31
19) n-Nitroso-di-n-propylamine	8.90	70	3095	0.955	ng	# 91
20) 3+4-Methylphenols	8.86	107	4574	0.974	ng	84
22) Acetophenone	8.93	105	6766	1.118	ng	# 88
24) Nitrobenzene	9.32	77	4637	1.036	ng	96
25) Isophorone	9.84	82	8358	1.062	ng	97
26) 2-Nitrophenol	10.04	139	1614	0.801	ng	# 70
27) 2,4-Dimethylphenol	10.07	122	3354	0.932	ng	# 77
28) bis(2-Chloroethoxy)methane	10.33	93	5532	1.073	ng	95
29) 2,4-Dichlorophenol	10.57	162	3137	0.783	ng	# 74
30) 1,2,4-Trichlorobenzene	10.78	180	4384	1.006	ng	# 82
31) Naphthalene	10.98	128	13653	1.152	ng	# 92
32) Benzoic acid	10.07	122	3354	1.435	ng	# 7
33) 4-Chloroaniline	11.09	127	3129	0.562	ng	# 79
34) Hexachlorobutadiene	11.24	225	2526	0.978	ng	# 86
35) Caprolactam	11.85	113	952	0.592	ng	# 75
36) 4-Chloro-3-methylphenol	12.19	107	4041	0.894	ng	93
37) 2-Methylnaphthalene	12.58	142	9834	1.138	ng	90
38) 1-Methylnaphthalene	12.79	142	9496	1.132	ng	94
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	5354	1.010	ng	# 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037453.D
 Acq On : 19 Oct 2018 14:39
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 1PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 23:29:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	2087	0.824	ng	98
43) 2,4,6-Trichlorophenol	13.16	196	2768	0.782	ng	89
44) 2,4,5-Trichlorophenol	13.23	196	2869	0.744	ng	92
46) 1,1'-Biphenyl	13.58	154	14853	1.091	ng	96
47) 2-Chloronaphthalene	13.62	162	10310	1.001	ng #	88
48) 2-Nitroaniline	13.83	65	2419	0.775	ng #	72
49) Acenaphthylene	14.46	152	16303	1.052	ng	100
50) Dimethylphthalate	14.19	163	13053	1.027	ng	96
51) 2,6-Dinitrotoluene	14.32	165	1950	0.693	ng #	75
52) Acenaphthene	14.80	154	9865	1.034	ng	94
53) 3-Nitroaniline	14.65	138	1938	0.621	ng #	96
55) Dibenzofuran	15.14	168	17189	1.087	ng	96
56) 4-Nitrophenol	14.94	139	696	0.301	ng #	48
57) 2,4-Dinitrotoluene	15.10	165	2633	0.713	ng #	89
58) Fluorene	15.78	166	13919	1.176	ng #	83
59) 2,3,4,6-Tetrachlorophenol	15.35	232	2268	0.687	ng #	95
60) Diethylphthalate	15.54	149	12570	0.963	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	6763	0.980	ng	90
62) 4-Nitroaniline	15.81	138	1765	0.569	ng #	78
63) Azobenzene	16.07	77	12302	0.988	ng	94
65) 4,6-Dinitro-2-methylphenol	15.86	198	144	8.564	ng #	34
66) n-Nitrosodiphenylamine	15.98	169	11071	0.924	ng	92
67) 4-Bromophenyl-phenylether	16.67	248	4026	0.920	ng	95
68) Hexachlorobenzene	16.78	284	4420	0.975	ng	97
69) Atrazine	16.92	200	3729	0.861	ng	77
70) Pentachlorophenol	17.13	266	494	0.163	ng #	46
71) Phenanthrene	17.53	178	23290	1.151	ng	96
72) Anthracene	17.53	178	23290	1.172	ng	98
73) Carbazole	17.89	167	17615	0.886	ng	97
74) Di-n-butylphthalate	18.43	149	19548	0.884	ng	97
75) Fluoranthene	19.53	202	24807	1.080	ng	95
77) Benzidine	19.72	184	2120	0.168	ng #	84
78) Pyrene	19.90	202	25012	1.033	ng	98
80) Butylbenzylphthalate	20.77	149	7190	0.726	ng	99
81) Benzo(a)anthracene	21.81	228	23688	1.081	ng	95
82) 3,3'-Dichlorobenzidine	21.67	252	4147	0.488	ng #	88
83) Chrysene	21.81	228	23688	1.124	ng	90
84) Bis(2-ethylhexyl)phthalate	21.63	149	10452	0.753	ng #	96
85) Di-n-octyl phthalate	22.88	149	16143	0.713	ng #	98
86) Indeno(1,2,3-cd)pyrene	28.92	276	6043	0.267	ng #	90
88) Benzo(b)fluoranthene	24.03	252	19722	1.017	ng	97
89) Benzo(k)fluoranthene	24.11	252	19004	1.000	ng	99
90) Benzo(a)pyrene	24.94	252	17970	0.975	ng #	91
91) Dibenzo(a,h)anthracene	29.00	278	6330	0.372	ng #	88
92) Benzo(g,h,i)perylene	30.13	276	14281	0.830	ng #	93

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

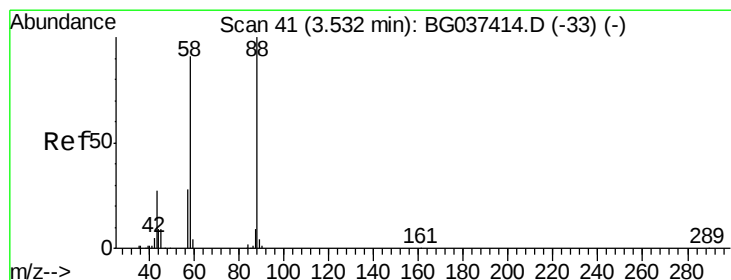
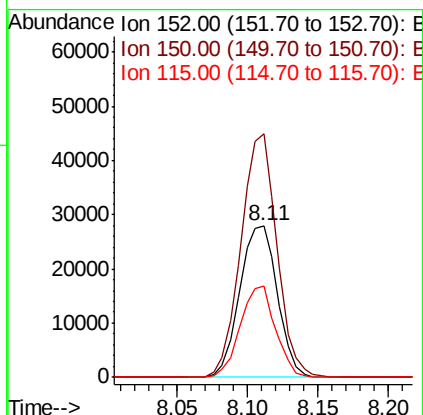
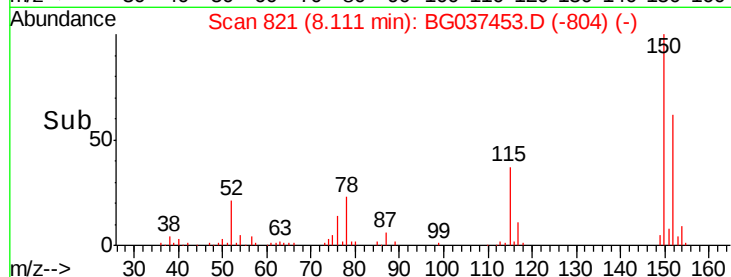
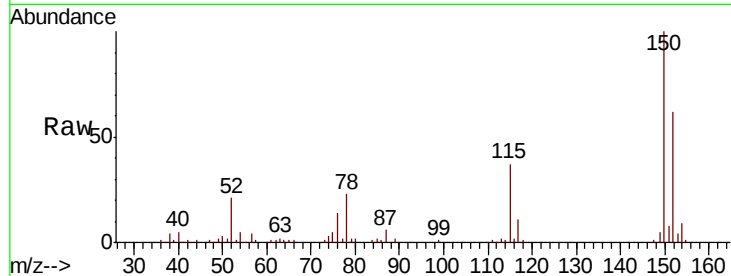


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. 0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

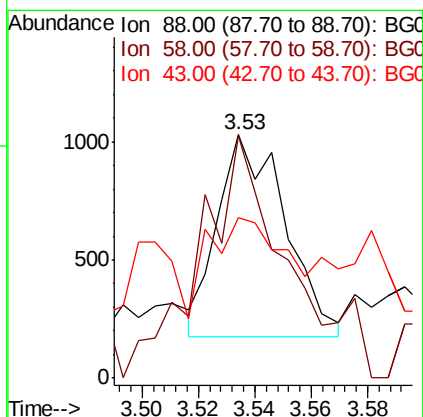
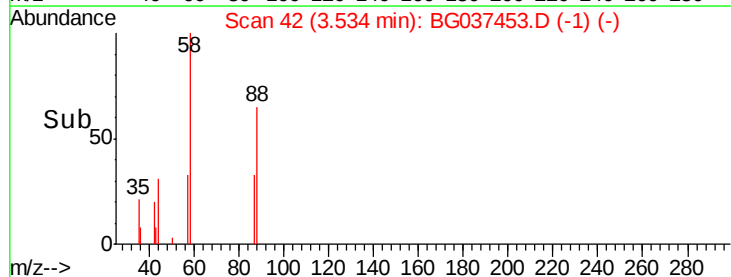
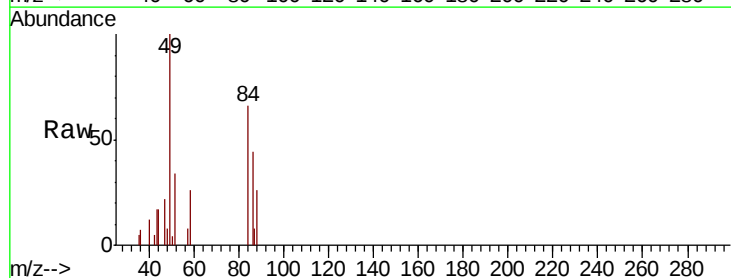
Tgt Ion:152 Resp: 52048
Ion Ratio Lower Upper
152 100
150 160.5 126.0 189.0
115 60.2 45.5 68.3

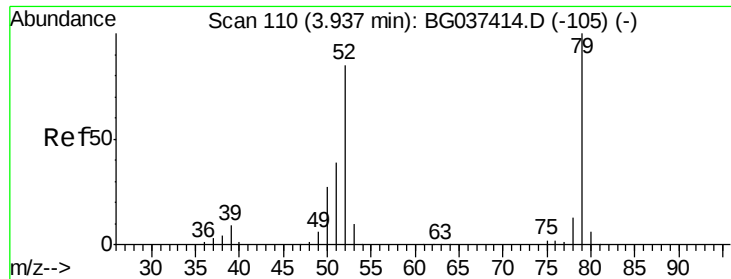


#2

1,4-Dioxane
Concen: 0.898 ng
RT: 3.53 min Scan# 42
Delta R.T. 0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion: 88 Resp: 1418
Ion Ratio Lower Upper
88 100
58 156.6 74.4 111.6#
43 56.4 25.8 38.8#





#3

Pyridine

Concen: 0.829 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

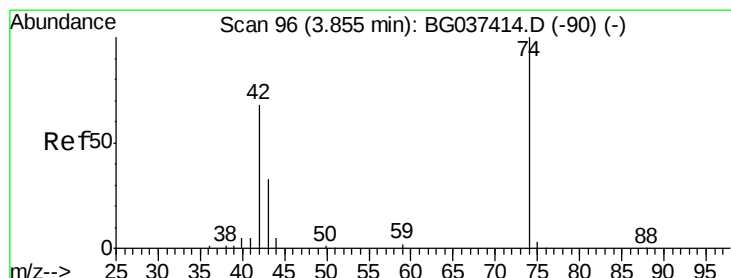
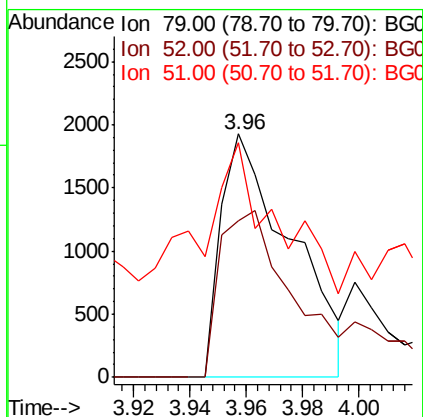
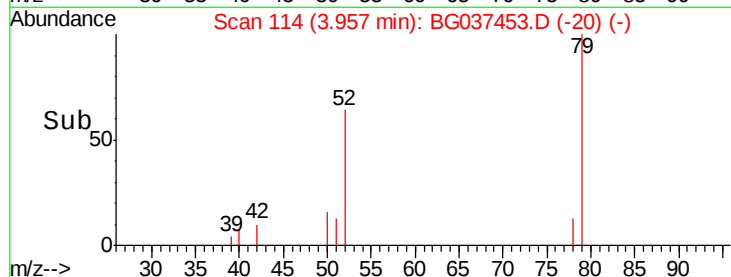
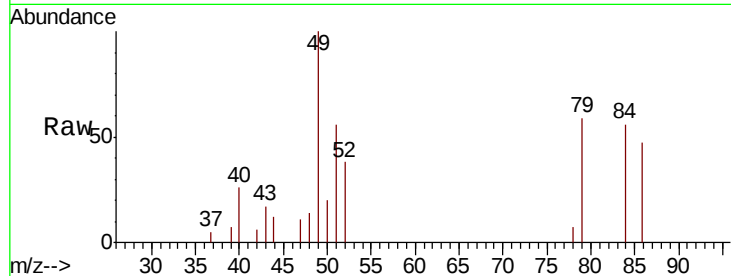
Tgt Ion: 79 Resp: 3299

Ion Ratio Lower Upper

79 100

52 64.3 74.2 111.2#

51 96.1 34.6 51.8#



#4

n-Nitrosodimethylamine

Concen: 0.733 ng

RT: 3.88 min Scan# 101

Delta R.T. 0.03 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

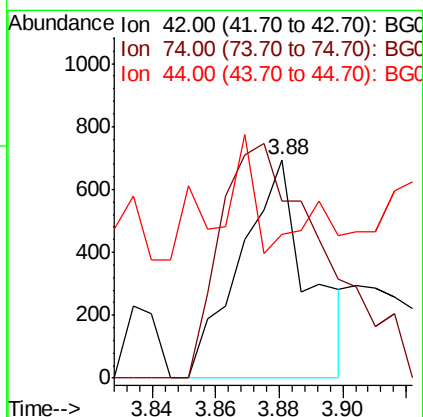
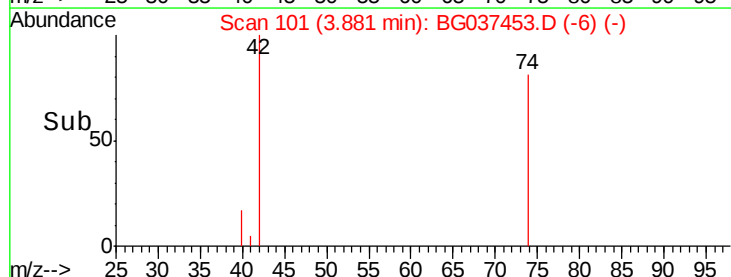
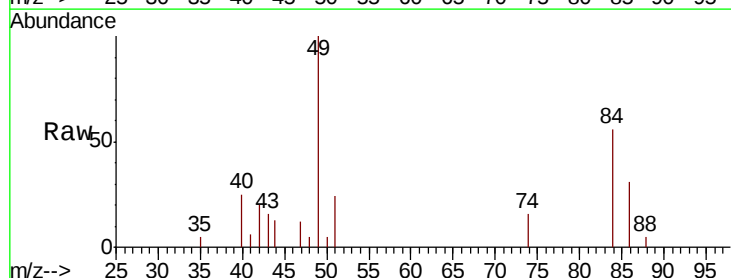
Tgt Ion: 42 Resp: 1039

Ion Ratio Lower Upper

42 100

74 81.2 102.0 153.0#

44 65.8 9.6 14.4#





#5

2-Fluorophenol

Concen: 134.659 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

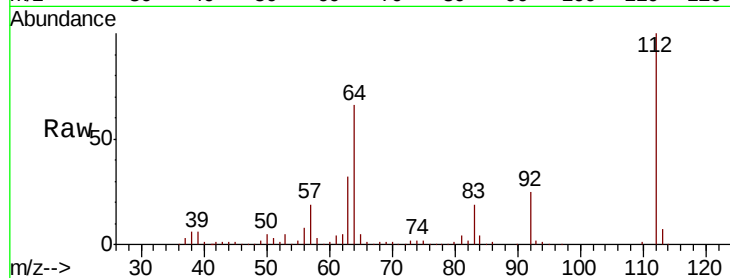
Tgt Ion: 112 Resp: 419219

Ion Ratio Lower Upper

112 100

64 65.5 53.1 79.7

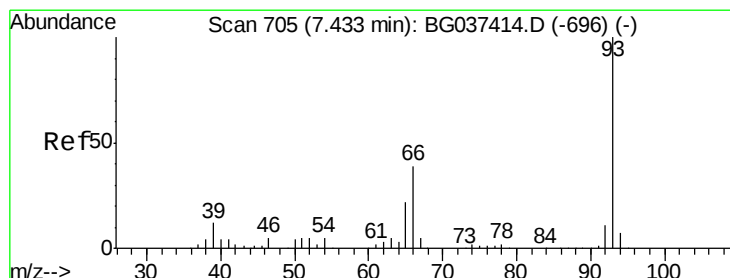
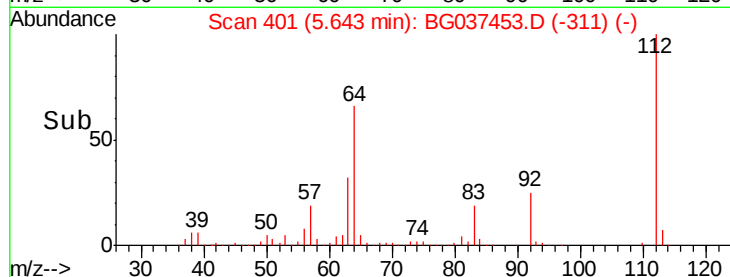
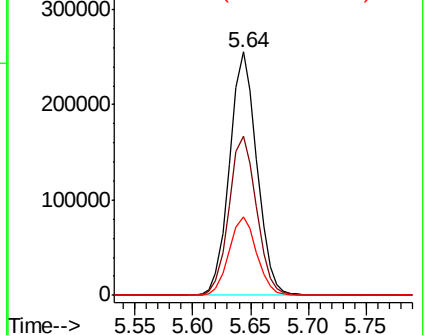
63 32.4 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.603 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

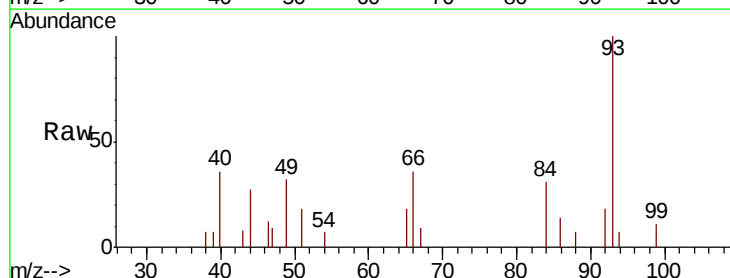
Tgt Ion: 93 Resp: 3465

Ion Ratio Lower Upper

93 100

66 36.2 32.8 49.2

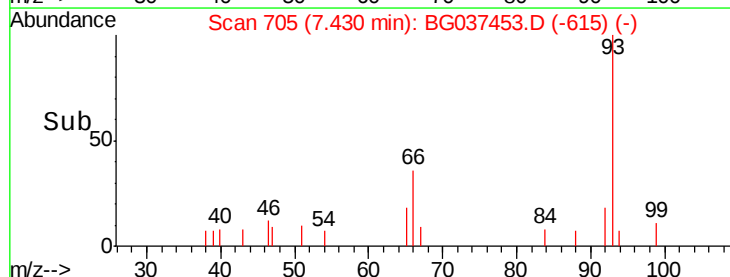
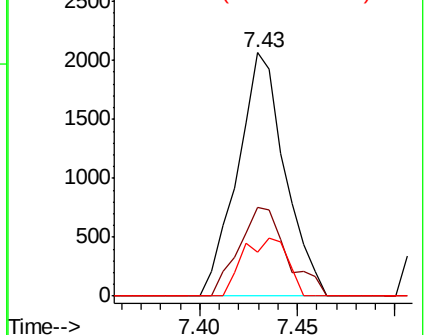
65 18.1 16.4 24.6



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 131.042 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

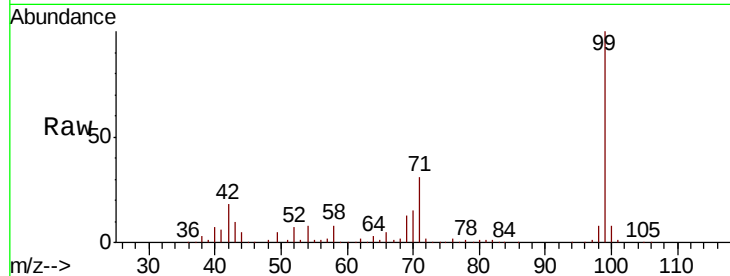
Tgt Ion: 99 Resp: 616887

Ion Ratio Lower Upper

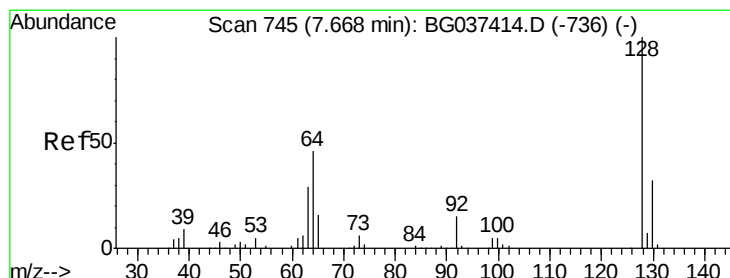
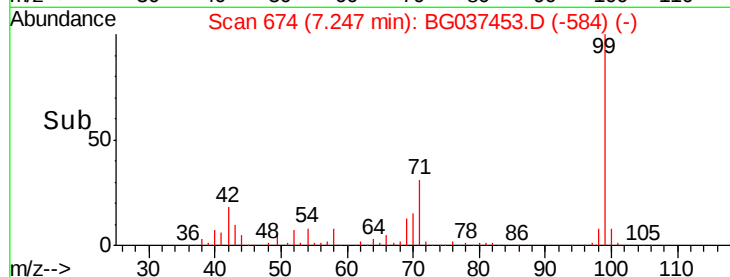
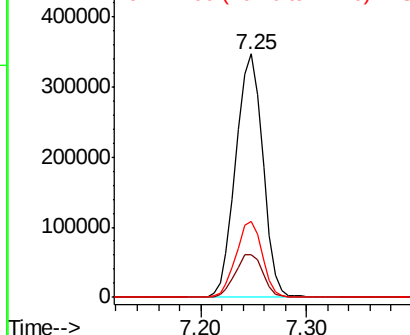
99 100

42 17.8 15.0 22.4

71 31.0 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 1.132 ng

RT: 7.66 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

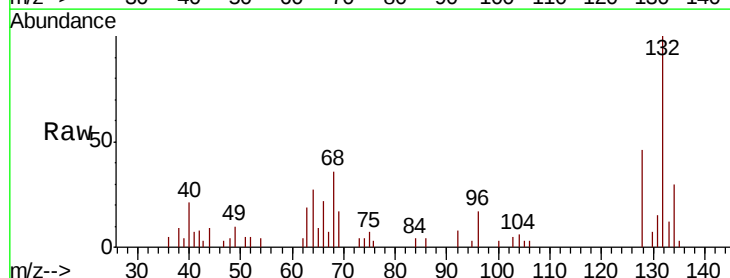
Tgt Ion: 128 Resp: 4124

Ion Ratio Lower Upper

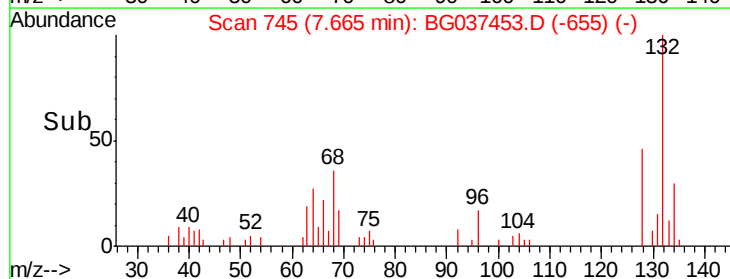
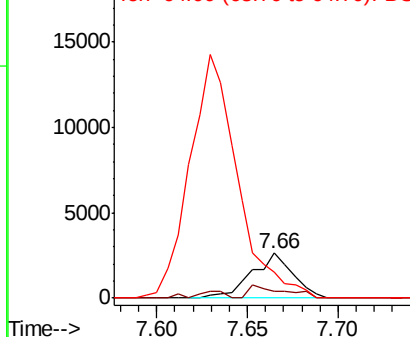
128 100

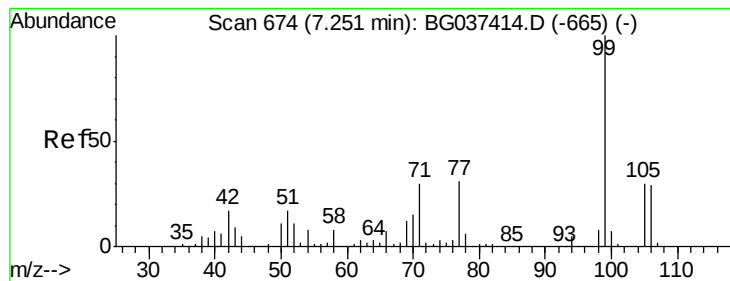
130 15.3 12.0 52.0

64 58.1 32.9 72.9



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): BGC





#9

Benzaldehyde

Concen: 1.207 ng

RT: 7.25 min Scan# 675

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

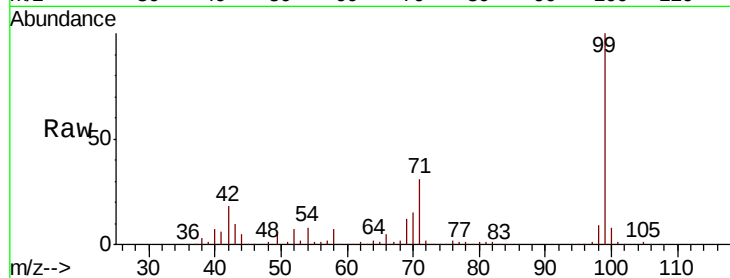
Tgt Ion: 77 Resp: 3555

Ion Ratio Lower Upper

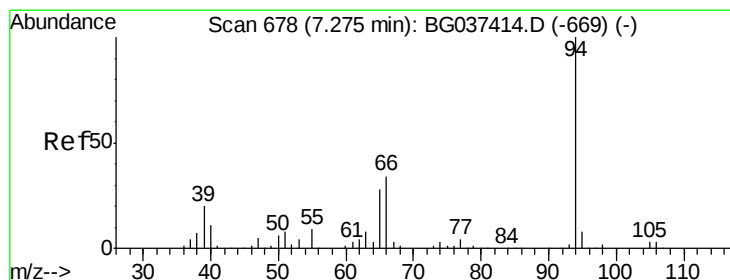
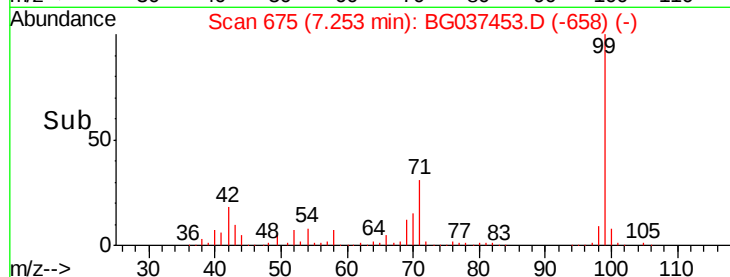
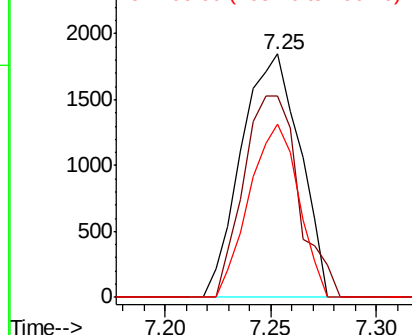
77 100

105 82.8 72.6 112.6

106 71.0 71.3 111.3#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 1.050 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

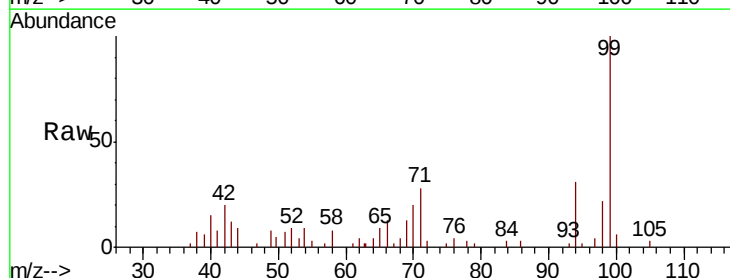
Tgt Ion: 94 Resp: 5214

Ion Ratio Lower Upper

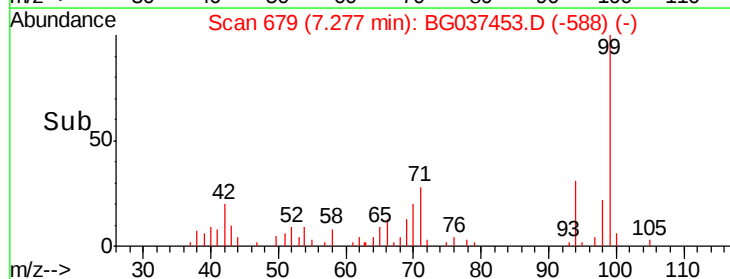
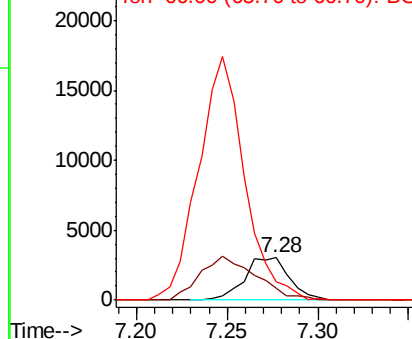
94 100

65 27.6 9.7 49.7

66 42.5 15.9 55.9



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

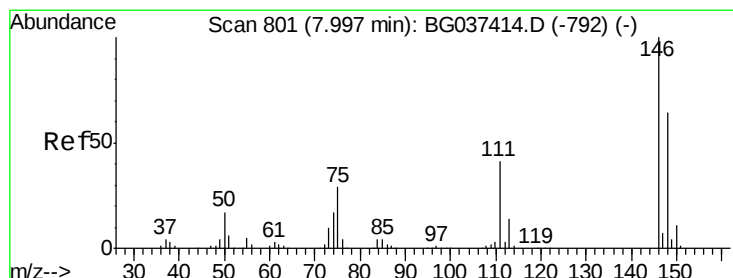
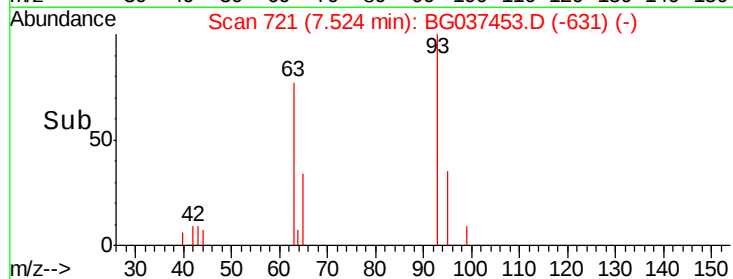
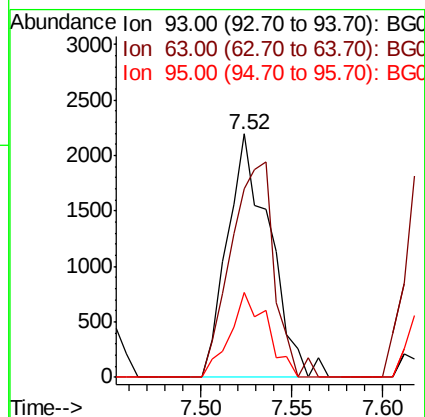
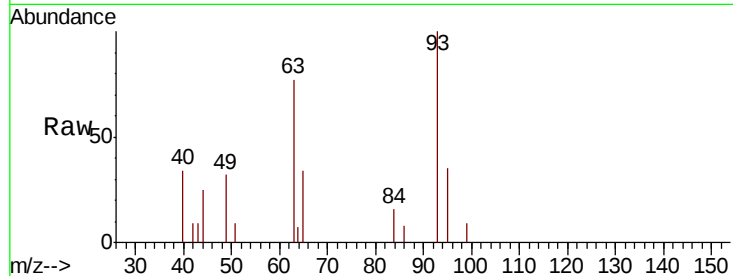




#11
 bis(2-Chloroethyl)ether
 Concen: 0.948 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

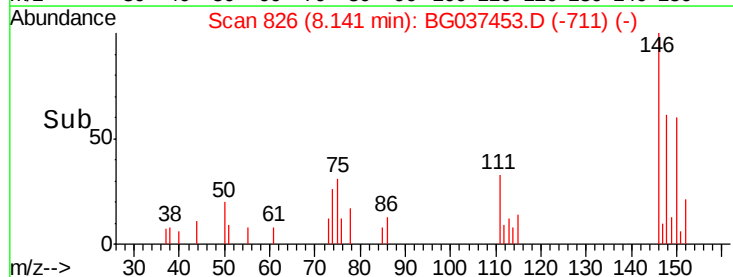
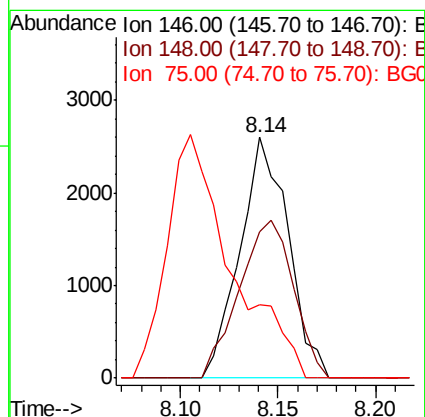
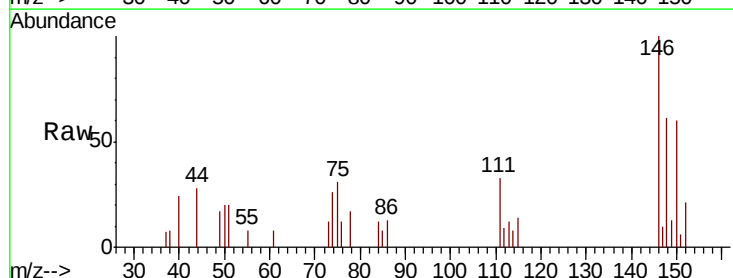
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

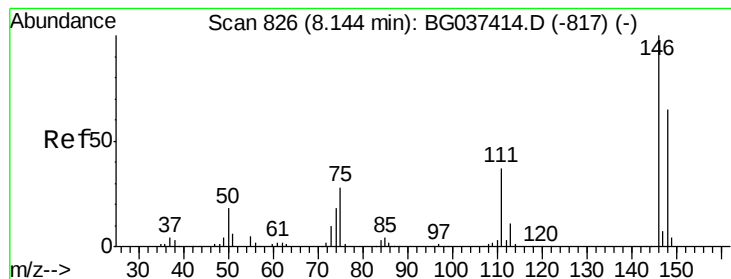
Tgt Ion: 93 Resp: 3577
 Ion Ratio Lower Upper
 93 100
 63 77.2 69.5 109.5
 95 35.1 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 1.098 ng
 RT: 8.14 min Scan# 826
 Delta R.T. 0.14 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion: 146 Resp: 4453
 Ion Ratio Lower Upper
 146 100
 148 61.0 49.8 74.8
 75 30.7 23.2 34.8





#13

1,4-Dichlorobenzene

Concen: 1.074 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

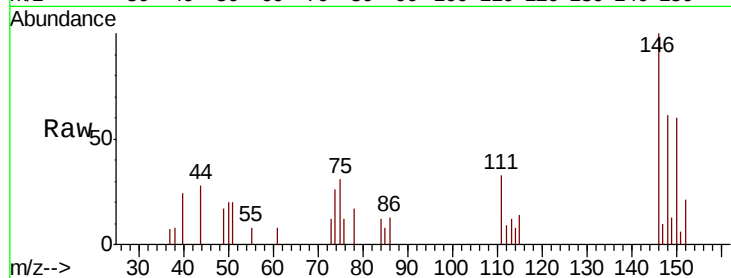
Tgt Ion:146 Resp: 4453

Ion Ratio Lower Upper

146 100

148 61.0 51.0 76.6

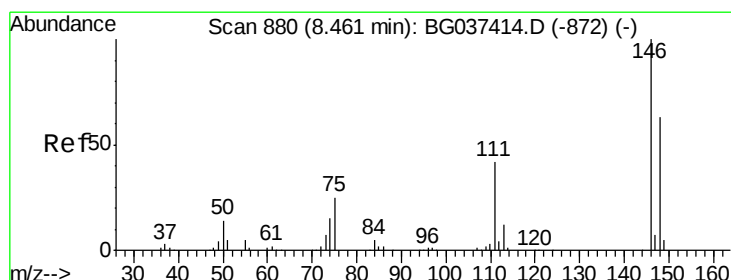
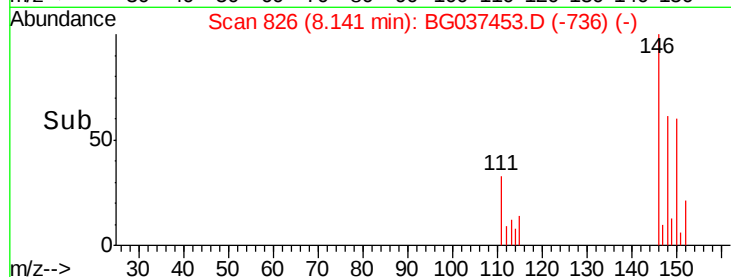
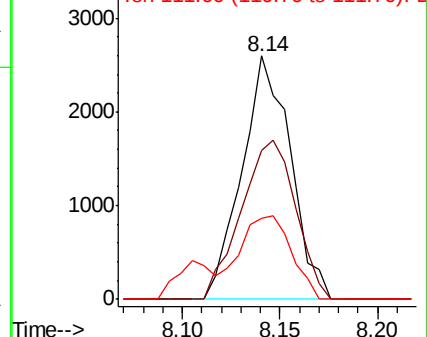
111 33.4 32.4 48.6



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: 0.969 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

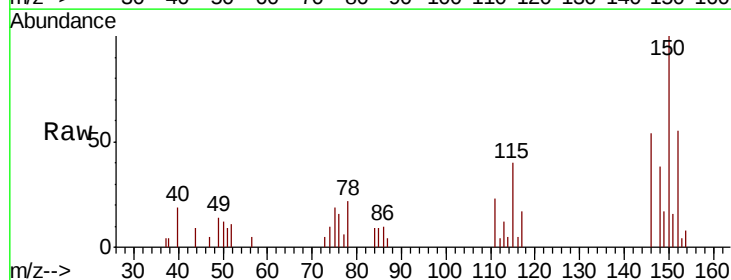
Tgt Ion:146 Resp: 3866

Ion Ratio Lower Upper

146 100

148 70.0 50.4 75.6

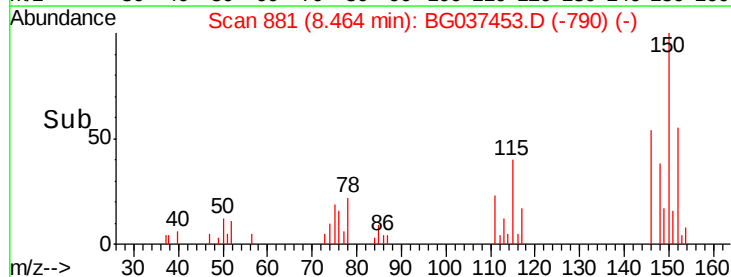
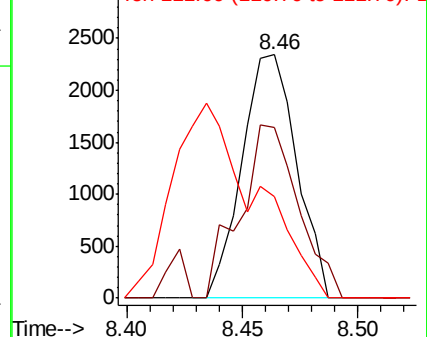
111 41.9 34.6 51.8



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





#15

Benzyl Alcohol

Concen: 0.870 ng

RT: 8.35 min Scan# 862

Delta R.T. 0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

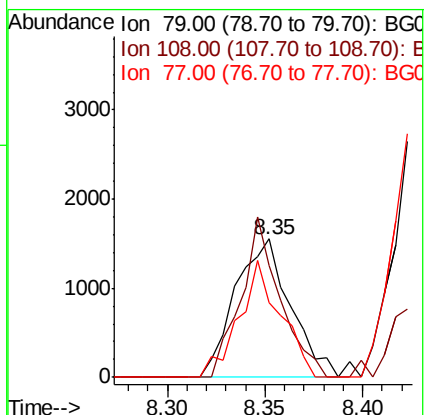
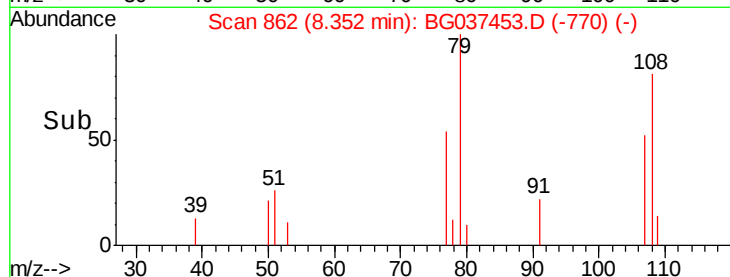
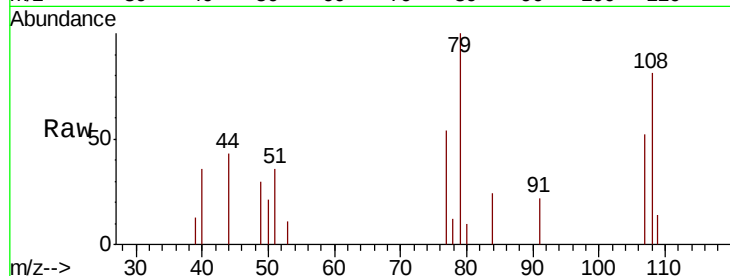
Tgt Ion: 79 Resp: 3026

Ion Ratio Lower Upper

79 100

108 80.7 65.8 98.8

77 53.6 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.043 ng

RT: 8.63 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

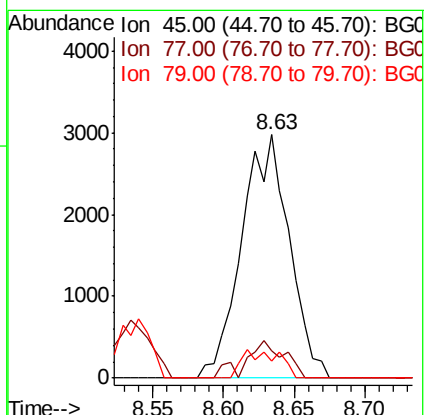
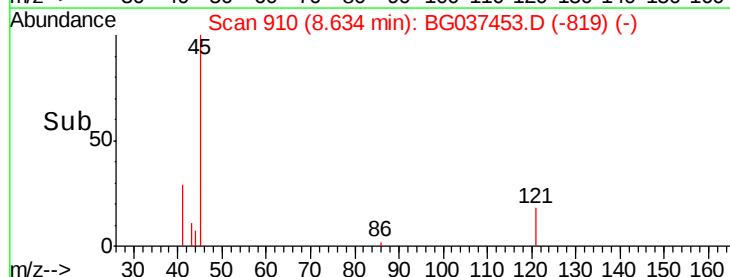
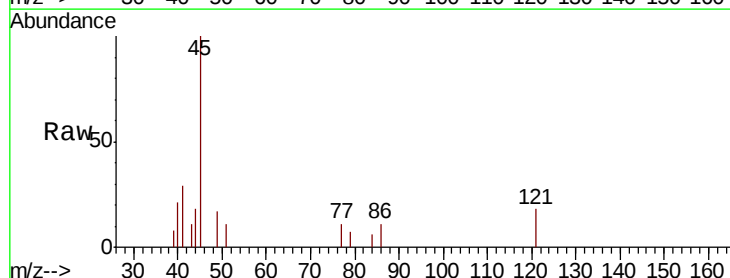
Tgt Ion: 45 Resp: 7037

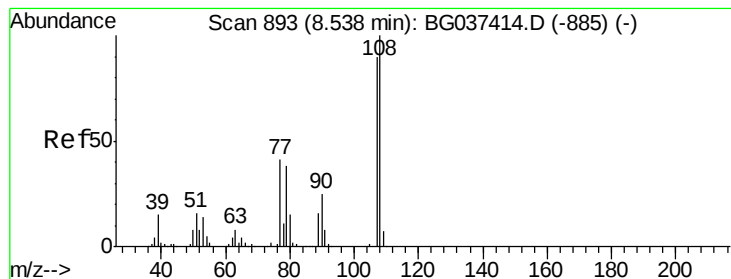
Ion Ratio Lower Upper

45 100

77 11.0 0.0 30.0

79 6.9 0.0 29.0





#17

2-Methylphenol

Concen: 0.971 ng

RT: 8.53 min Scan# 893

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:107 Resp: 3189

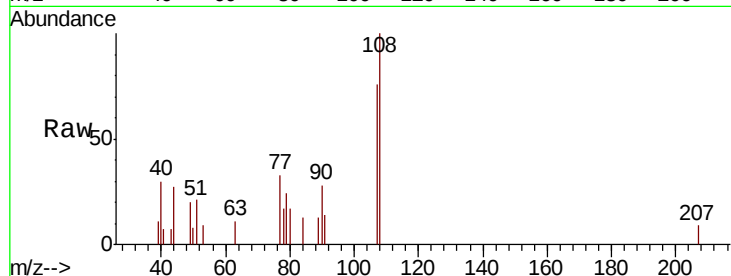
Ion Ratio Lower Upper

107 100

108 131.9 87.9 131.9

77 43.7 35.1 52.7

79 31.8 34.5 51.7#



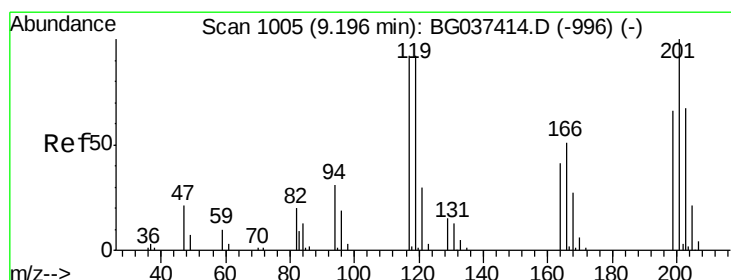
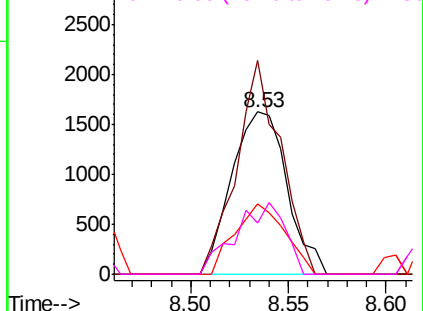
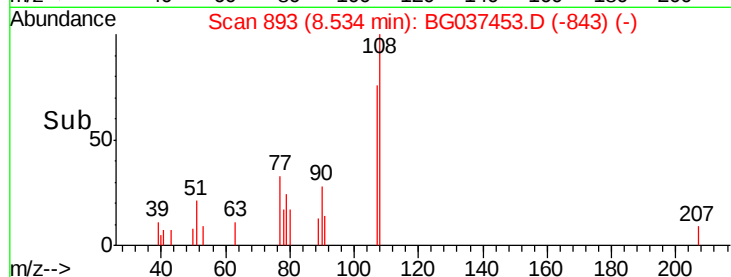
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 1.029 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

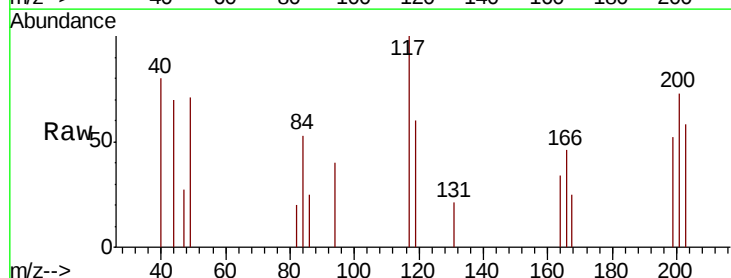
Tgt Ion:117 Resp: 1455

Ion Ratio Lower Upper

117 100

119 60.2 74.6 111.8#

201 0.0 80.8 121.2#

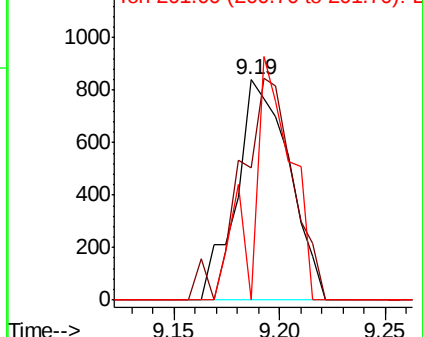
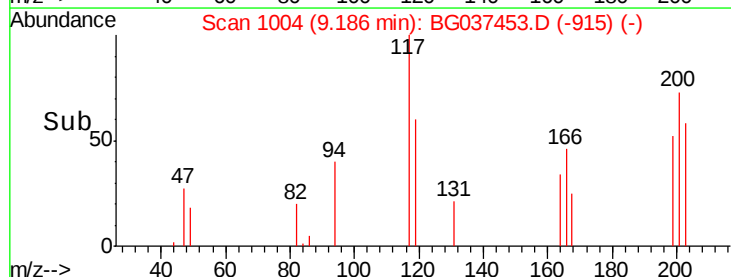


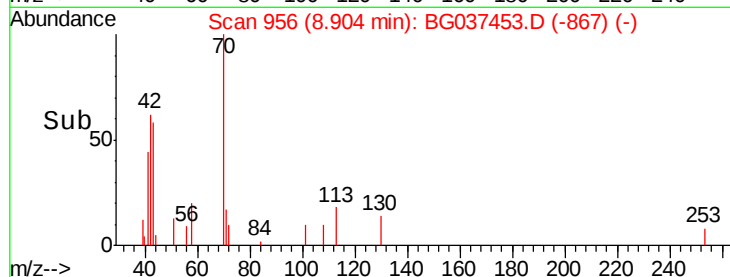
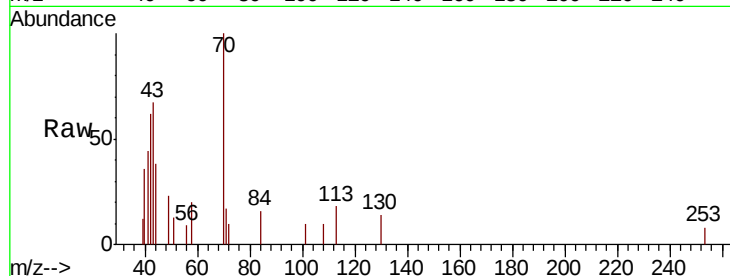
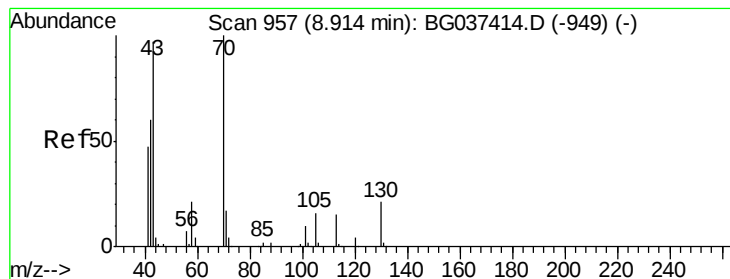
Abundance

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: 0.955 ng

RT: 8.90 min Scan# 956

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 70 Resp: 3095

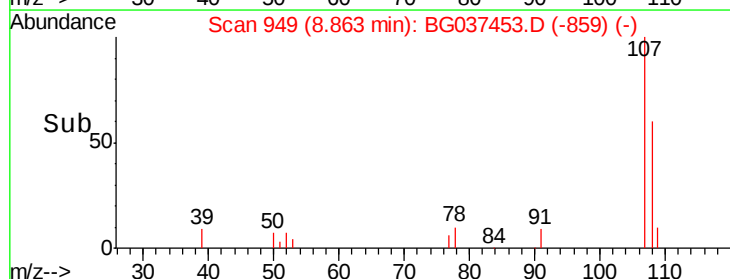
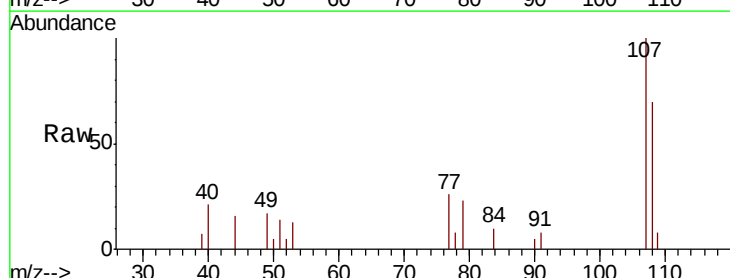
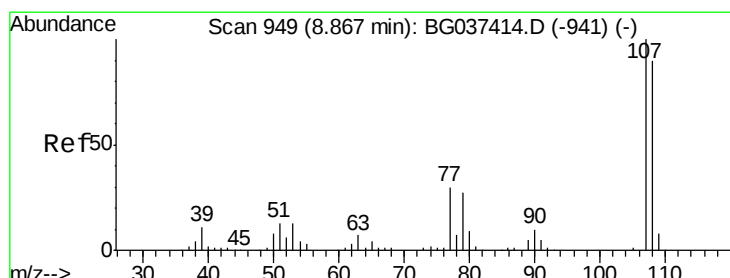
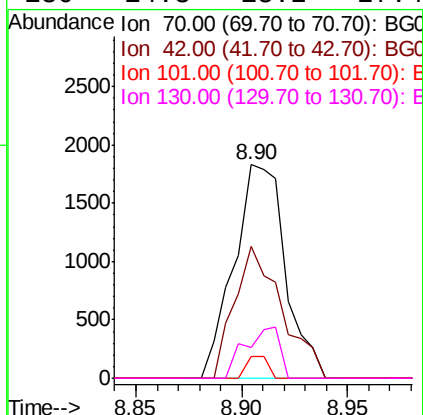
Ion Ratio Lower Upper

70 100

42 61.8 53.9 80.9

101 10.3 8.2 12.2

130 14.3 18.2 27.4#



#20

3+4-Methylphenols

Concen: 0.974 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Tgt Ion: 107 Resp: 4574

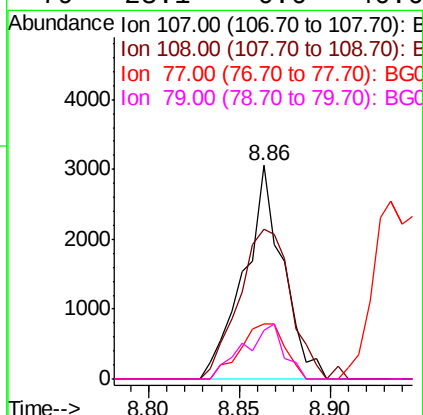
Ion Ratio Lower Upper

107 100

108 70.3 69.9 109.9

77 25.8 11.2 51.2

79 23.1 6.6 46.6

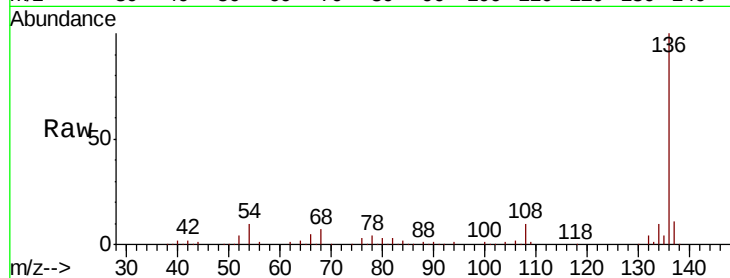




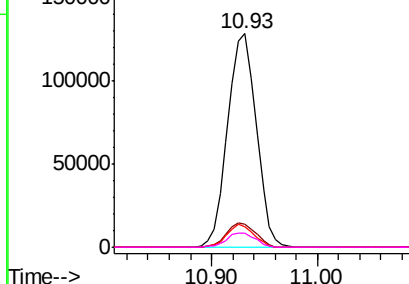
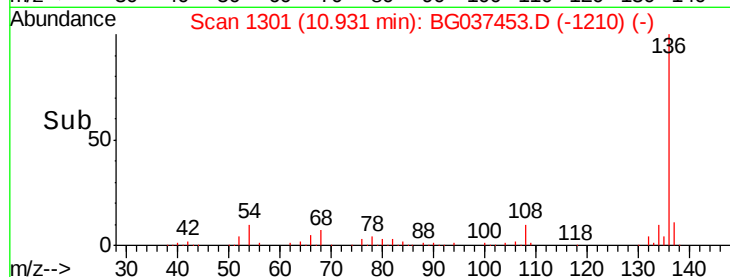
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	136	Resp:	241245
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	9.8	7.9	11.9
68	6.6	4.8	7.2

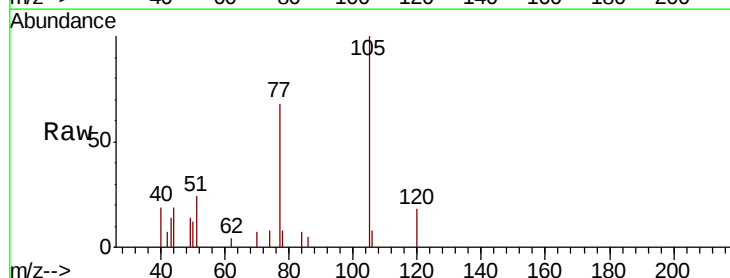


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

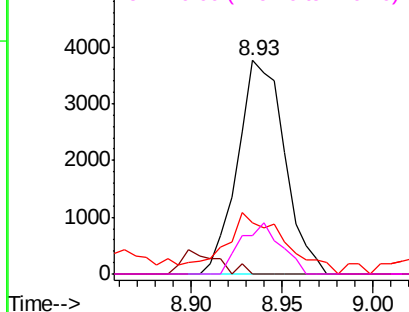
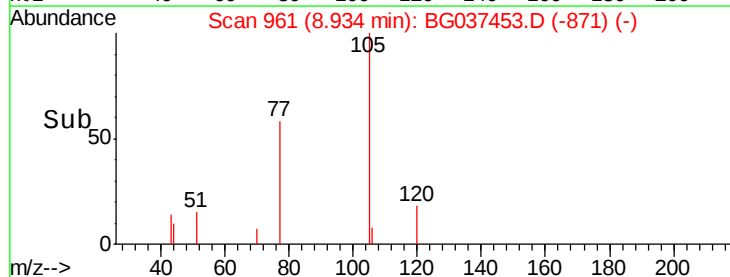


#22
Acetophenone
Concen: 1.118 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:	105	Resp:	6766
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	23.8	25.0	37.6#
120	17.7	18.6	28.0#



Abundance Ion 105.00 (104.70 to 105.70): E
6000
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E

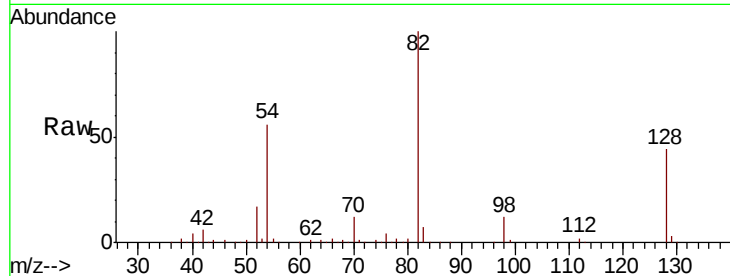




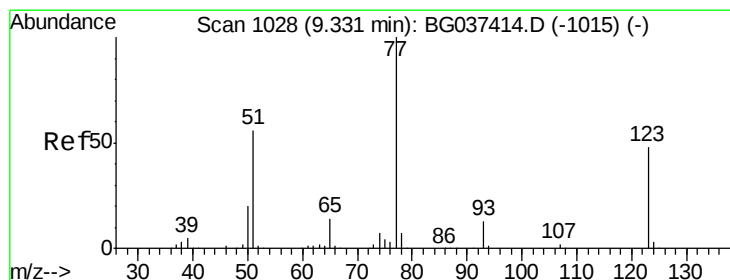
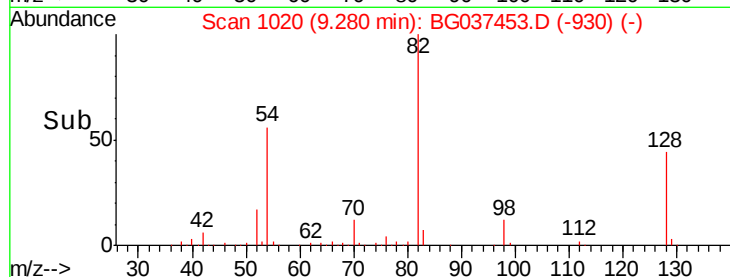
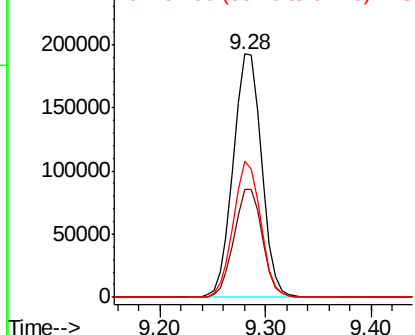
#23
 Nitrobenzene-d5
 Concen: 83.074 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 82 Resp: 357758
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.6 51.8
 54 55.7 45.3 67.9

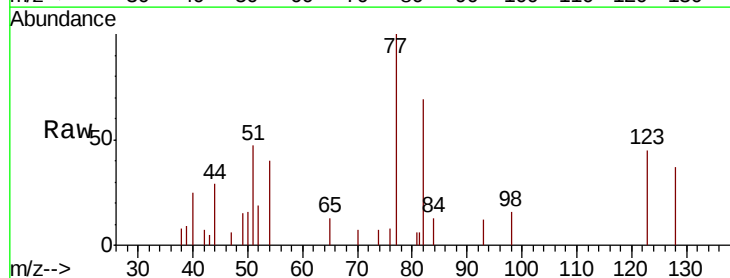


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

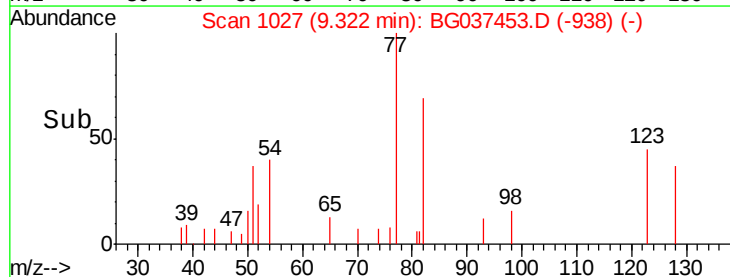
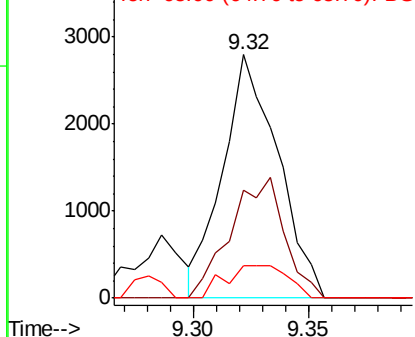


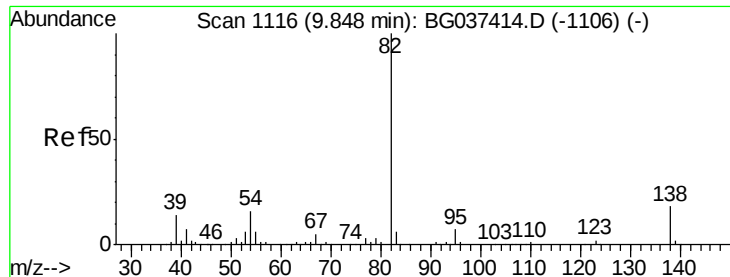
#24
 Nitrobenzene
 Concen: 1.036 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion: 77 Resp: 4637
 Ion Ratio Lower Upper
 77 100
 123 44.6 33.6 50.4
 65 13.1 11.3 16.9



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: 1.062 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

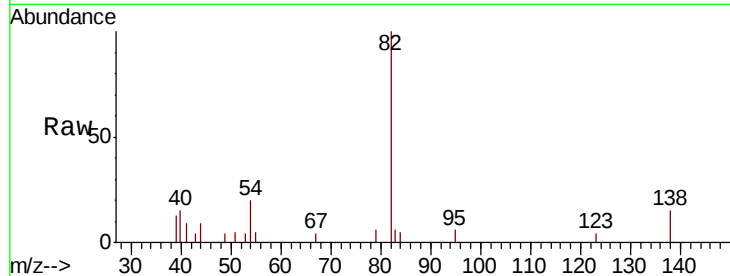
Tgt Ion: 82 Resp: 8358

Ion Ratio Lower Upper

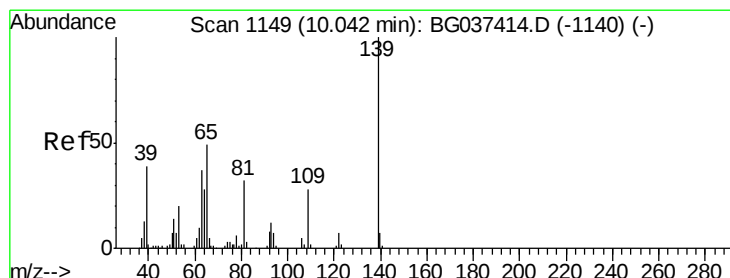
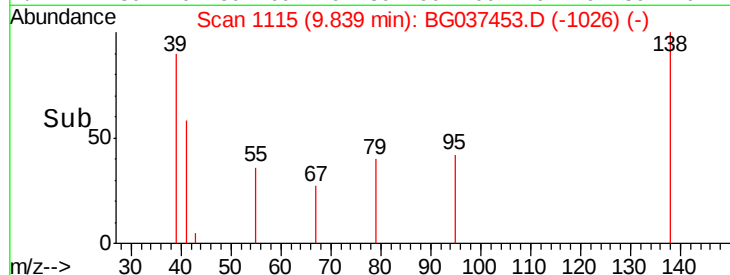
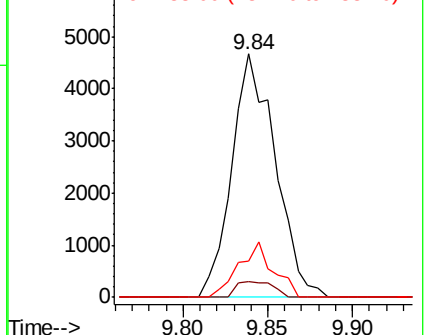
82 100

95 6.3 5.3 7.9

138 15.0 13.3 19.9



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: 0.801 ng

RT: 10.04 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

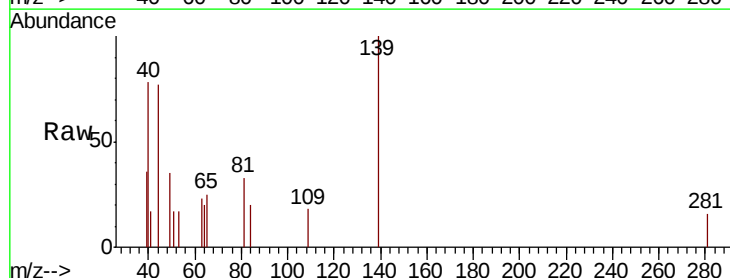
Tgt Ion: 139 Resp: 1614

Ion Ratio Lower Upper

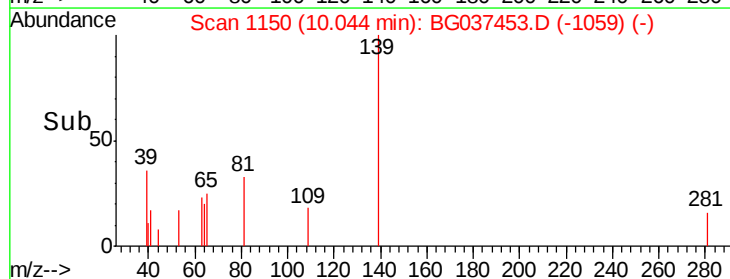
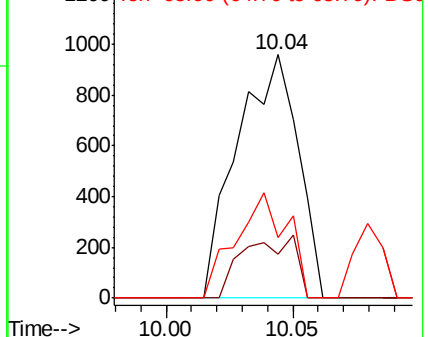
139 100

109 17.8 23.3 34.9#

65 25.1 39.8 59.8#



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

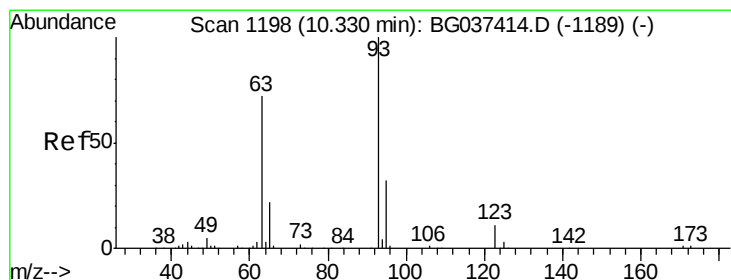
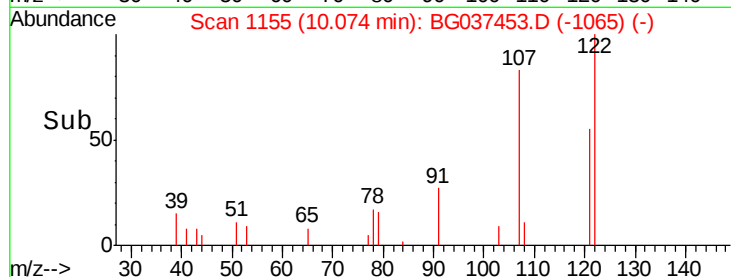
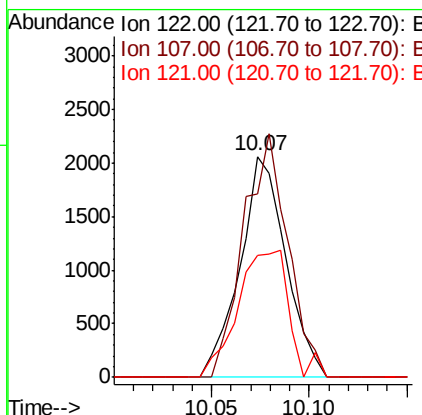
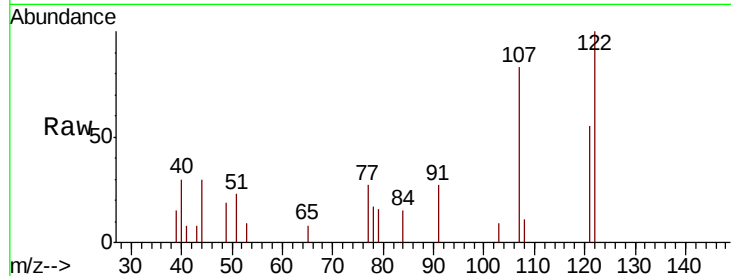




#27
2,4-Dimethylphenol
Concen: 0.932 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

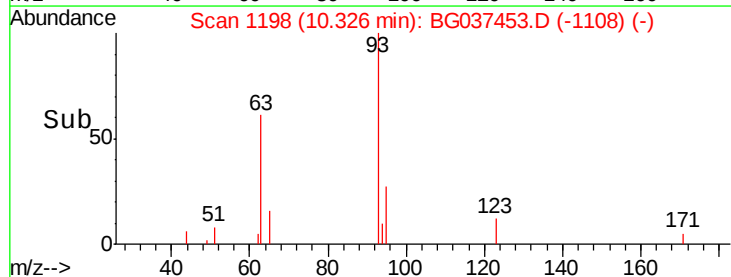
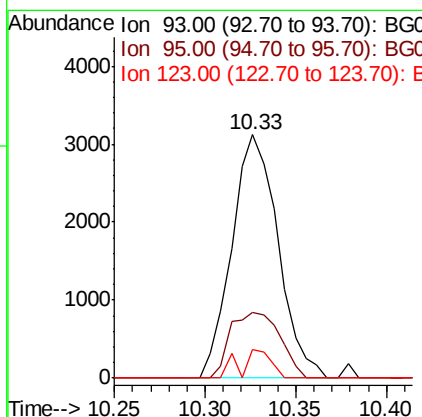
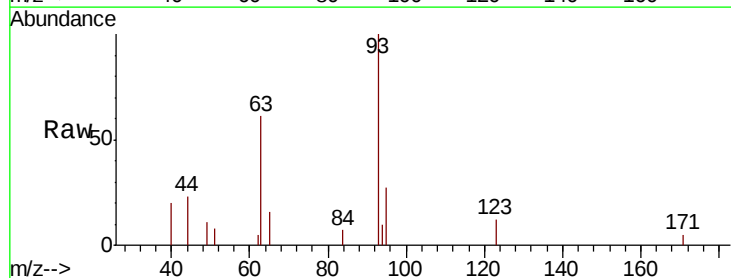
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

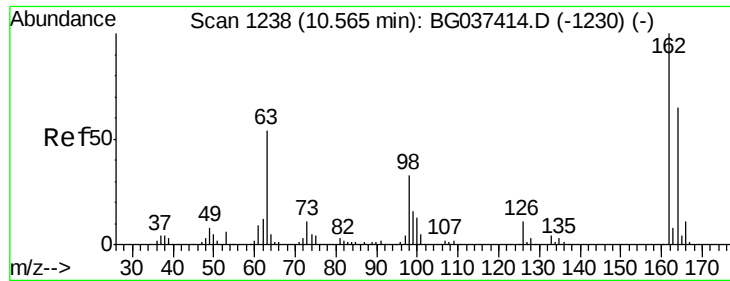
Tgt Ion:122 Resp: 3354
Ion Ratio Lower Upper
122 100
107 83.0 94.2 141.2#
121 55.3 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 1.073 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion: 93 Resp: 5532
Ion Ratio Lower Upper
93 100
95 27.0 24.6 37.0
123 11.8 9.1 13.7

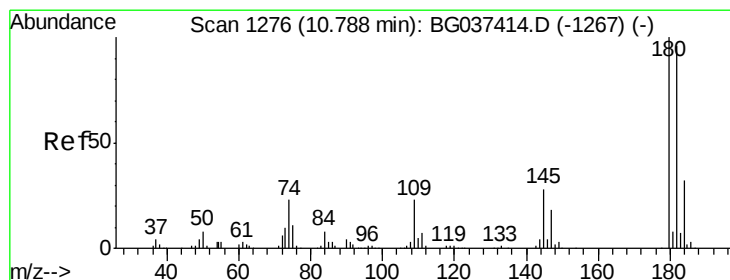
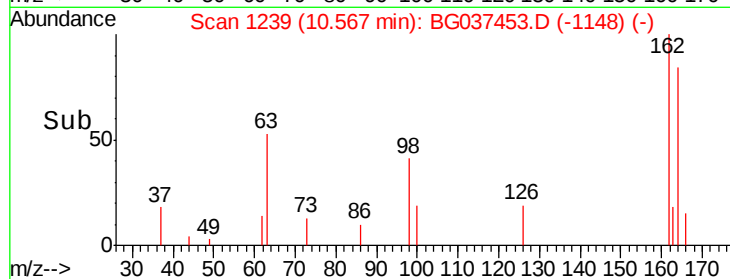
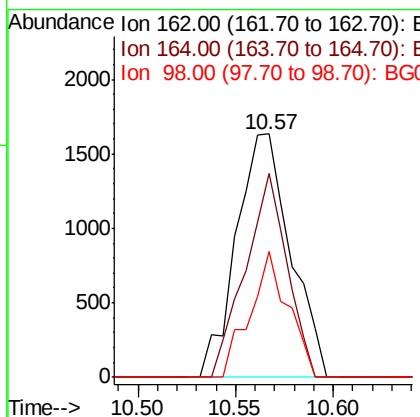
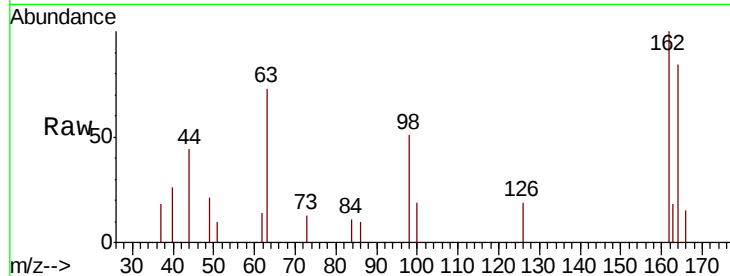




#29
 2,4-Dichlorophenol
 Concen: 0.783 ng
 RT: 10.57 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

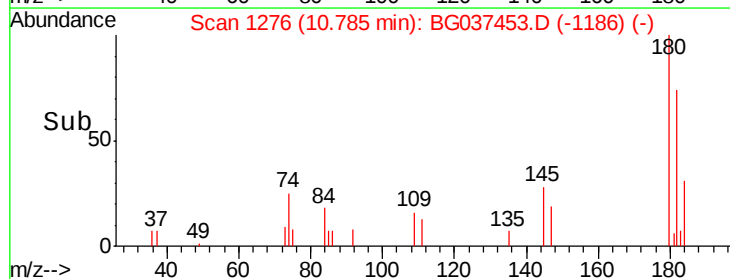
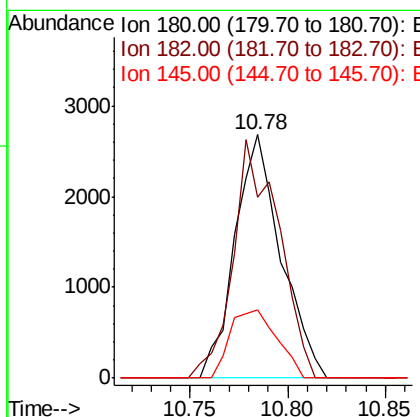
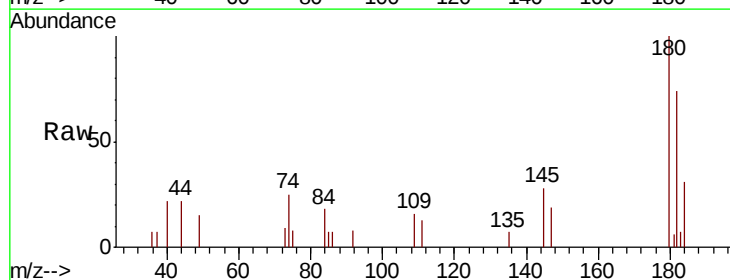
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

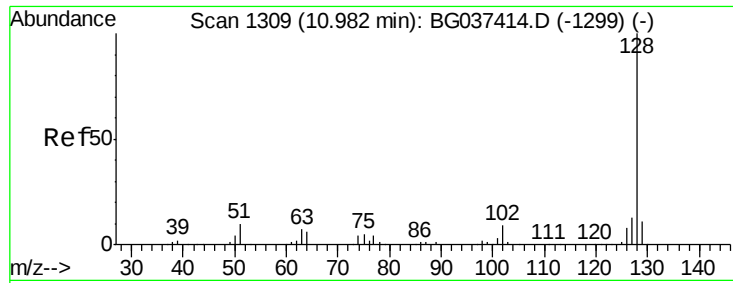
Tgt Ion:162 Resp: 3137
 Ion Ratio Lower Upper
 162 100
 164 83.7 43.2 83.2#
 98 51.5 16.0 56.0



#30
 1,2,4-Trichlorobenzene
 Concen: 1.006 ng
 RT: 10.78 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion:180 Resp: 4384
 Ion Ratio Lower Upper
 180 100
 182 74.4 77.7 116.5#
 145 28.2 23.3 34.9

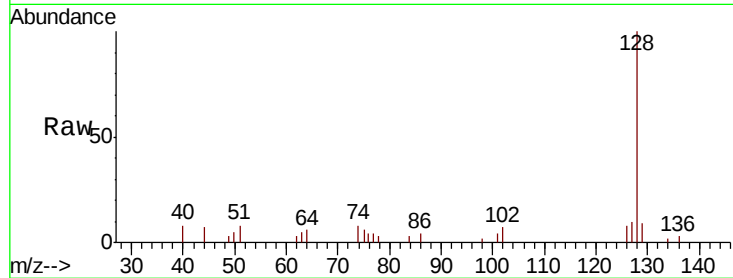




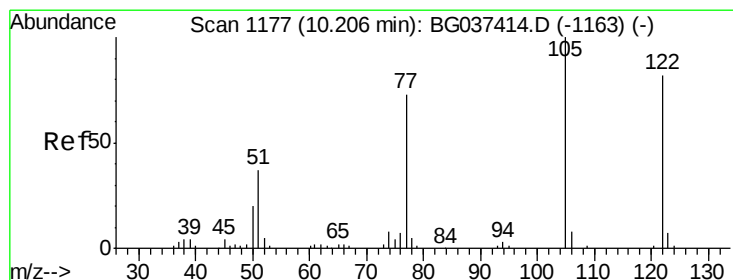
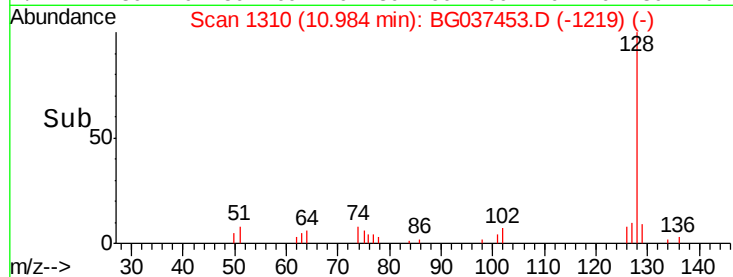
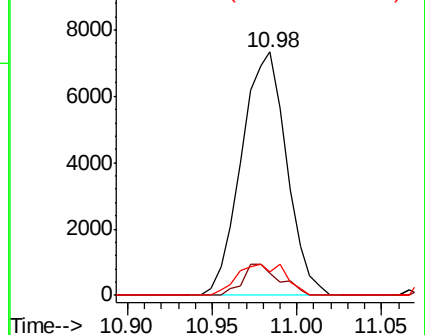
#31
Naphthalene
Concen: 1.152 ng
RT: 10.98 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:128 Resp: 13653
Ion Ratio Lower Upper
128 100
129 9.3 9.0 13.6
127 9.7 11.1 16.7#

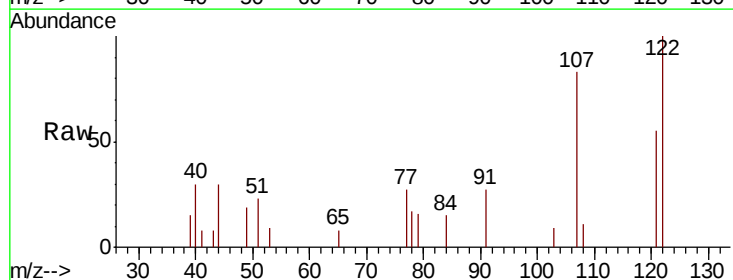


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

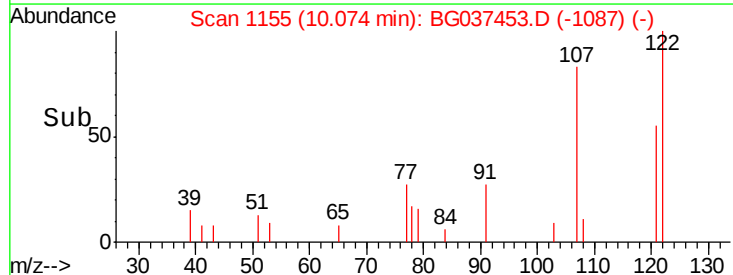
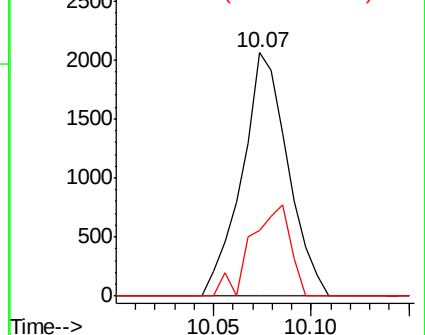


#32
Benzoic acid
Concen: 1.435 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.13 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:122 Resp: 3354
Ion Ratio Lower Upper
122 100
105 0.0 106.7 146.7#
77 26.8 72.2 112.2#



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

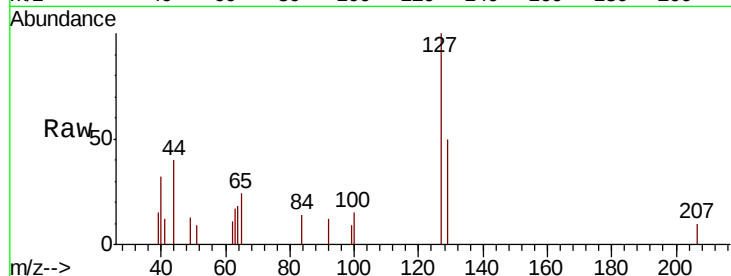




#33
4-Chloroaniline
Concen: 0.562 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	3129
Ion	Ratio	Lower	Upper
127	100		
129	49.8	27.1	40.7#
65	24.0	26.6	39.8#
92	12.2	16.4	24.6#



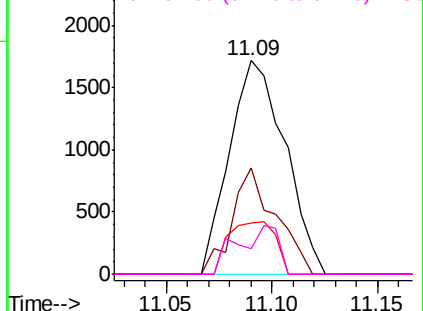
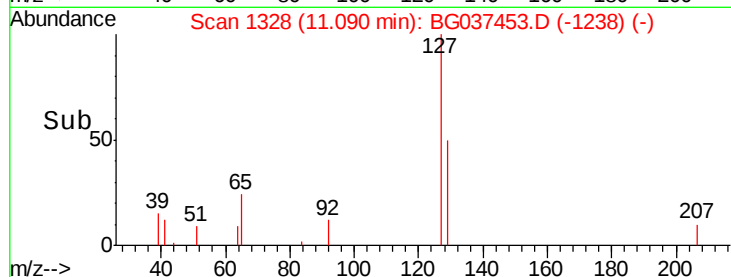
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

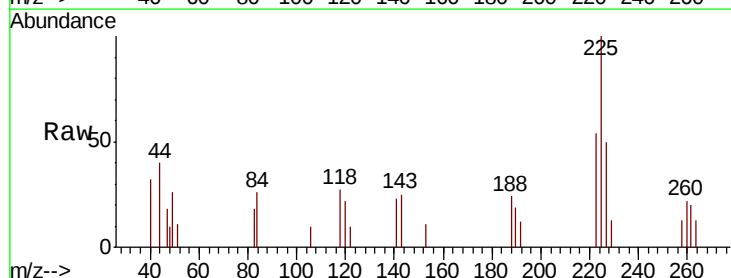
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



#34
Hexachlorobutadiene
Concen: 0.978 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:	225	Resp:	2526
Ion	Ratio	Lower	Upper
225	100		
223	54.2	48.2	72.4
227	49.7	51.6	77.4#

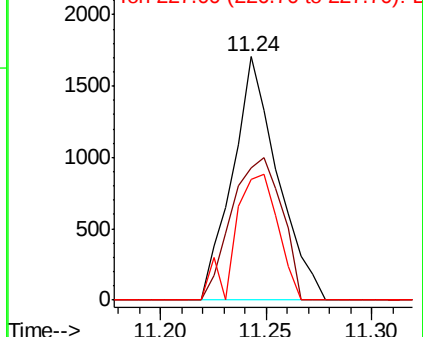
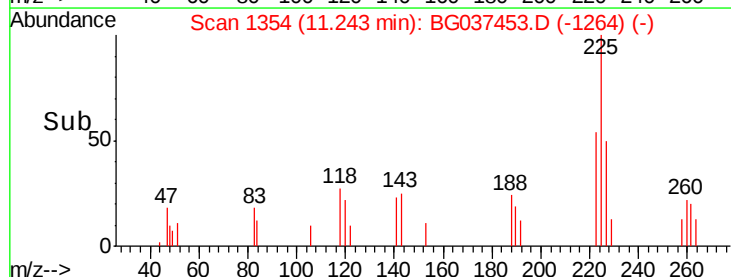


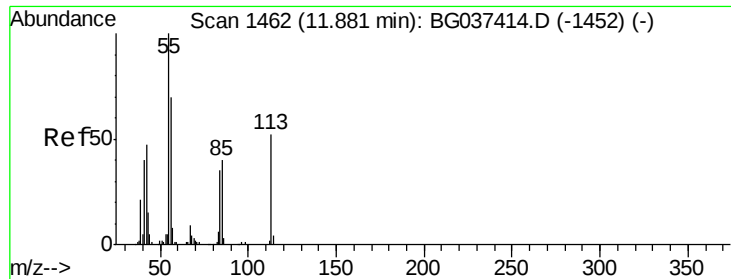
Abundance

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: 0.592 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.03 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

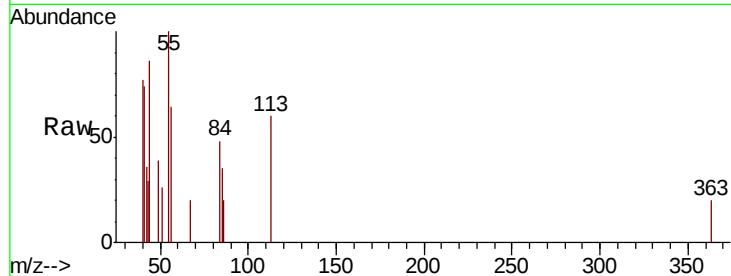
Tgt Ion:113 Resp: 952

Ion Ratio Lower Upper

113 100

55 167.3 176.6 216.6#

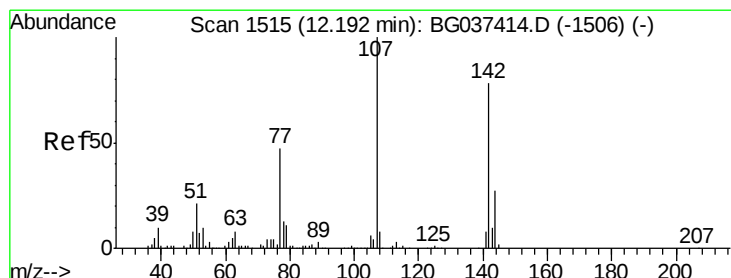
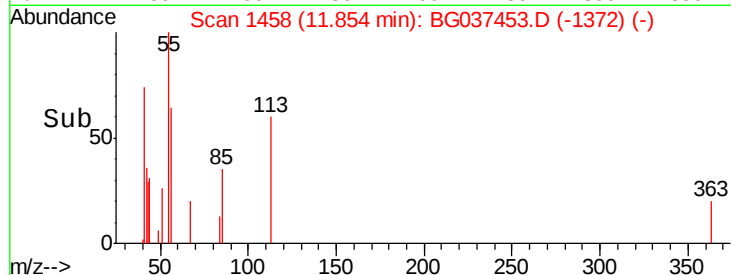
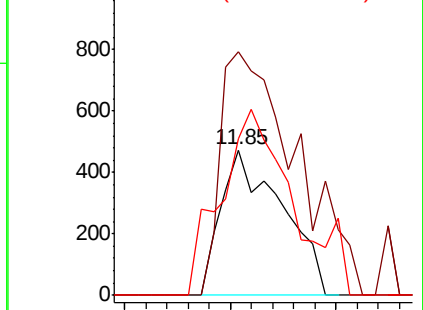
56 107.4 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 0.894 ng

RT: 12.19 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

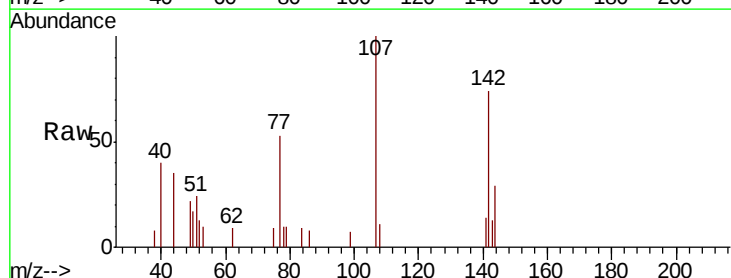
Tgt Ion:107 Resp: 4041

Ion Ratio Lower Upper

107 100

144 28.9 20.7 31.1

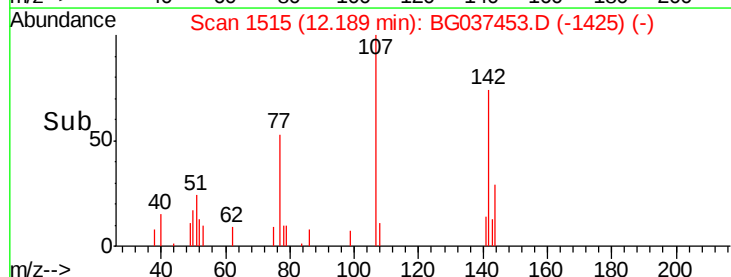
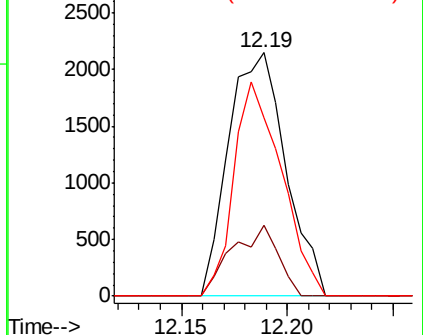
142 73.5 64.4 96.6



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

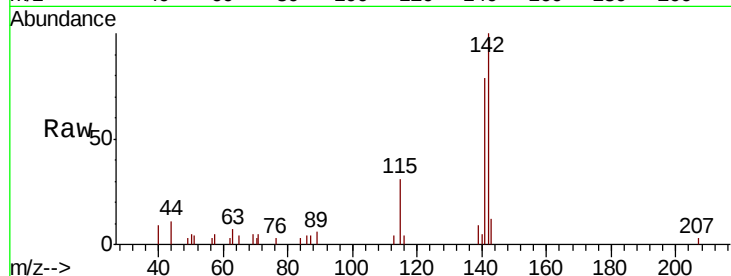




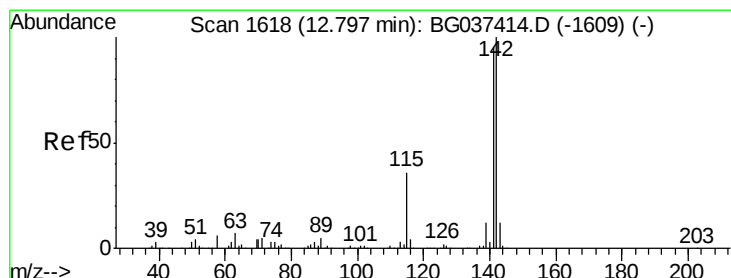
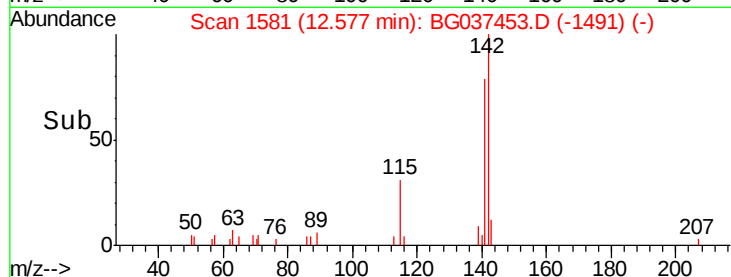
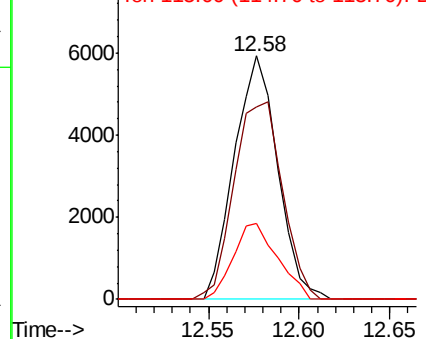
#37
2-Methylnaphthalene
Concen: 1.138 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:142 Resp: 9834
Ion Ratio Lower Upper
142 100
141 79.3 71.9 107.9
115 31.3 27.8 41.8

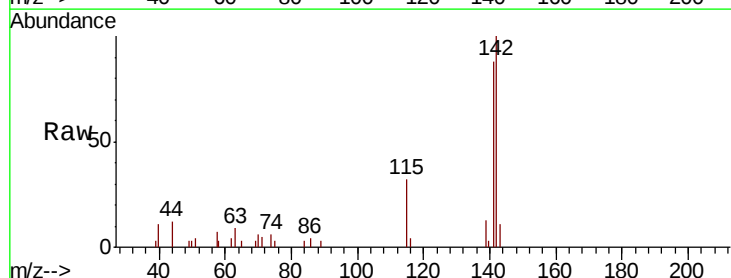


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

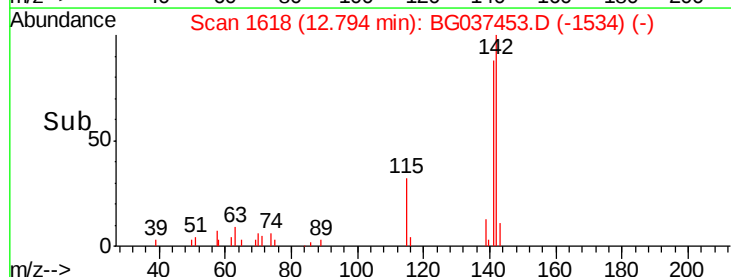
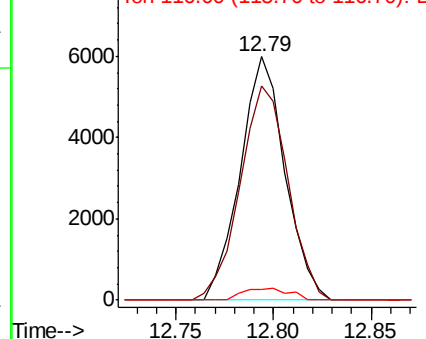


#38
1-Methylnaphthalene
Concen: 1.132 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:142 Resp: 9496
Ion Ratio Lower Upper
142 100
141 88.0 75.2 112.8
116 4.2 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

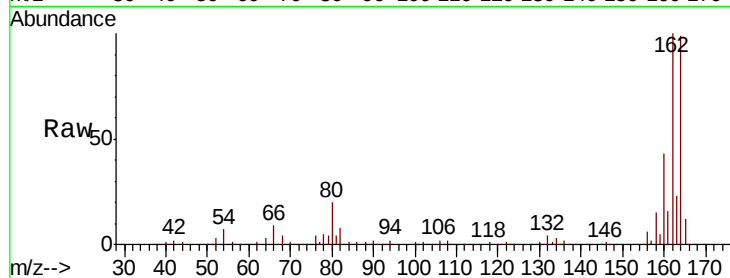
Tgt Ion:164 Resp: 164360

Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

160 43.8 36.3 54.5

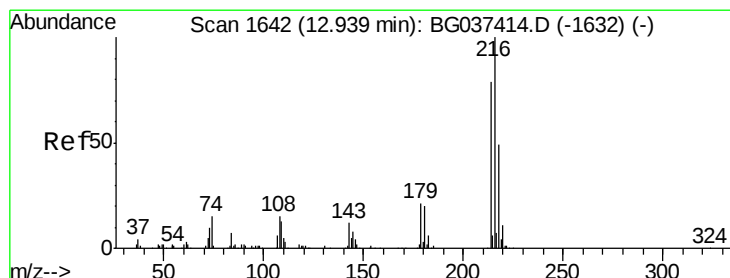
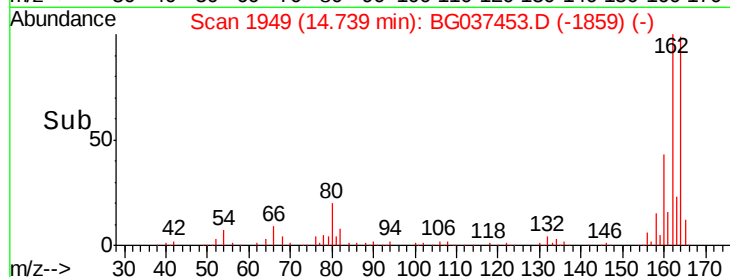
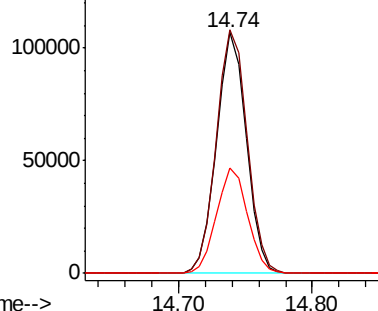


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 1.010 ng

RT: 12.93 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Tgt Ion:216 Resp: 5354

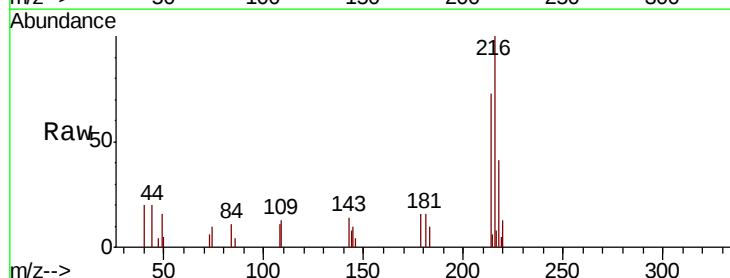
Ion Ratio Lower Upper

216 100

214 79.0 63.8 95.6

179 18.8 17.4 26.0

108 13.4 13.9 20.9#



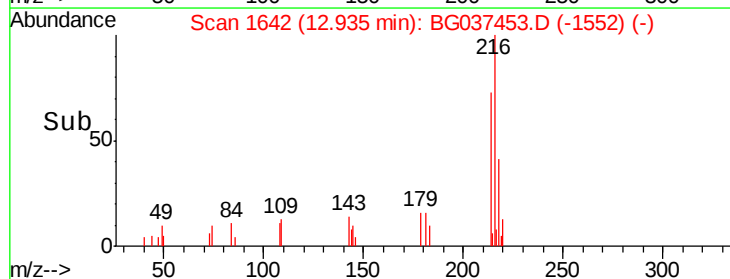
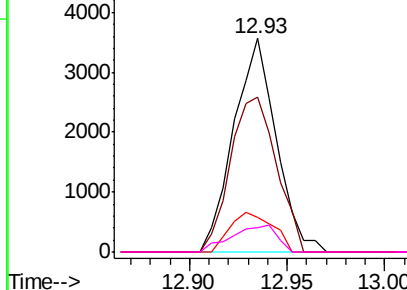
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 0.824 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

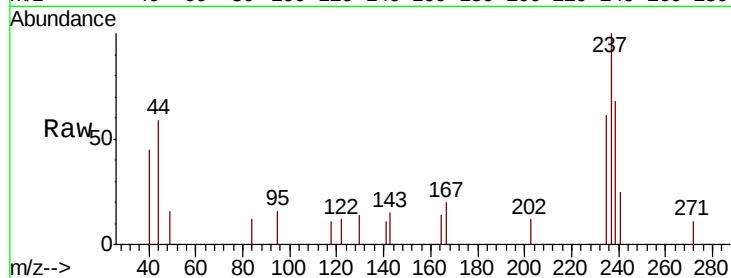
Tgt Ion: 237 Resp: 2087

Ion Ratio Lower Upper

237 100

235 60.5 42.5 82.5

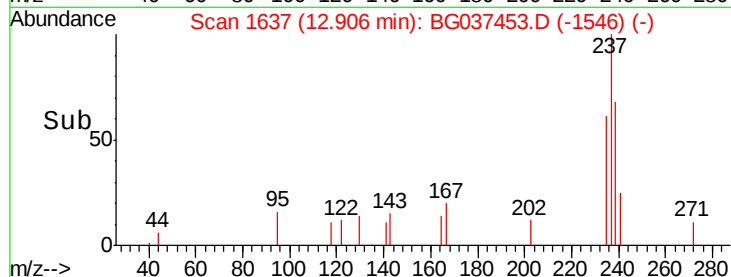
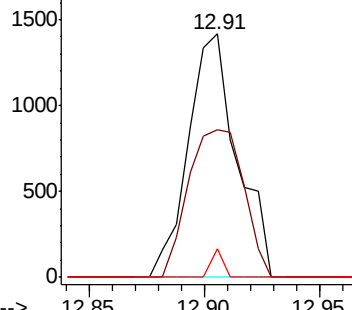
272 11.5 0.0 31.6



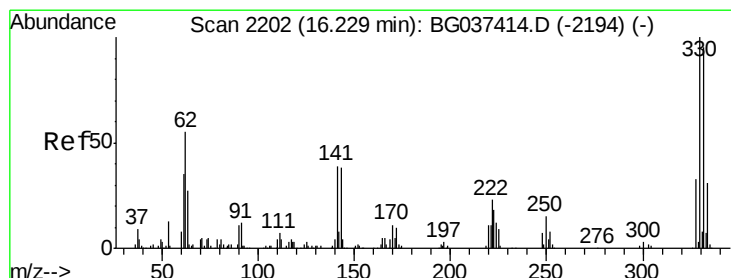
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 136.031 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

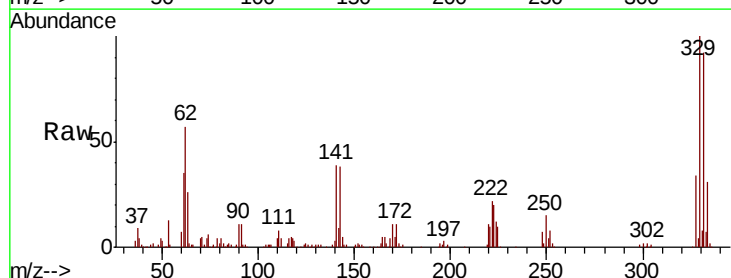
Tgt Ion: 330 Resp: 243856

Ion Ratio Lower Upper

330 100

332 95.0 78.4 117.6

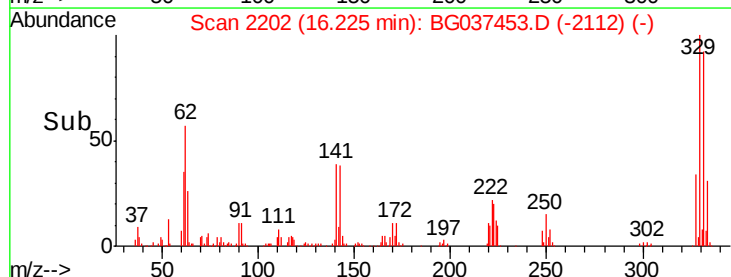
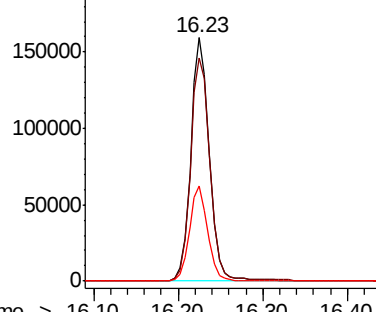
141 38.7 32.2 48.2



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



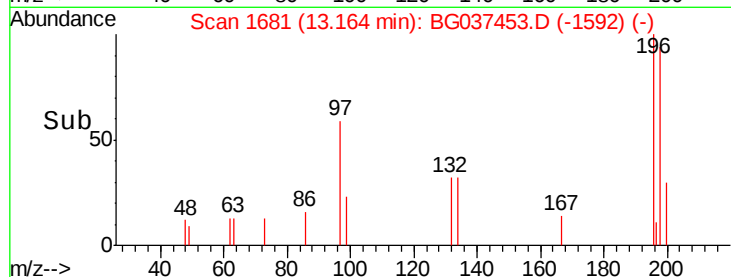
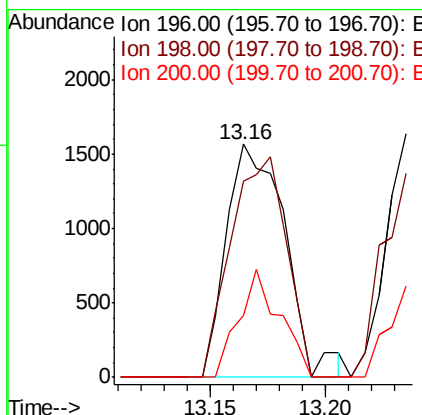
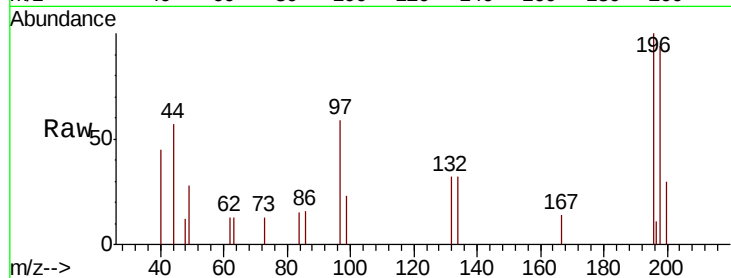
Time-->



#43
 2,4,6-Trichlorophenol
 Concen: 0.782 ng
 RT: 13.16 min Scan# 1681
 Delta R.T. -0.01 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

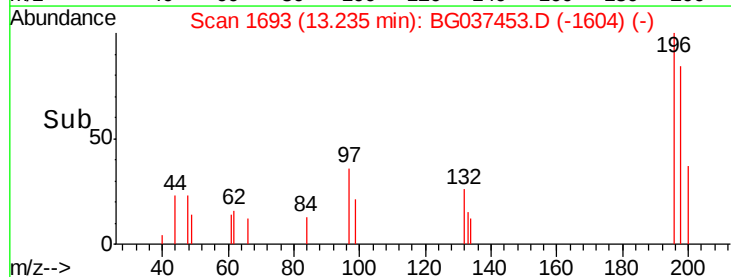
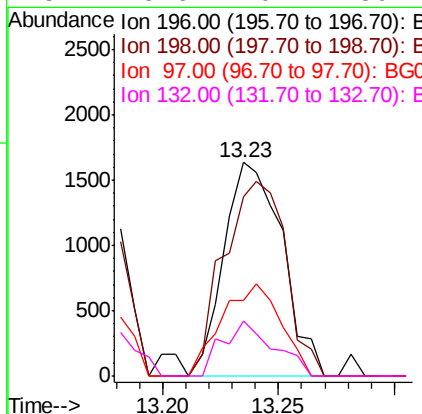
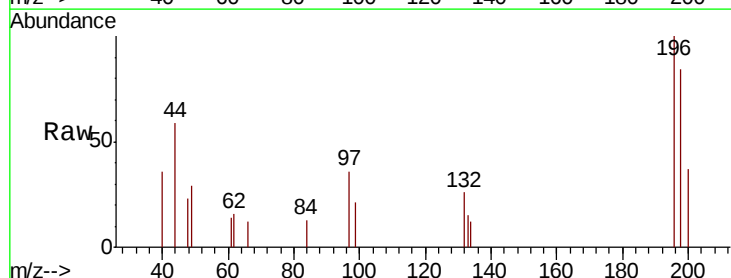
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

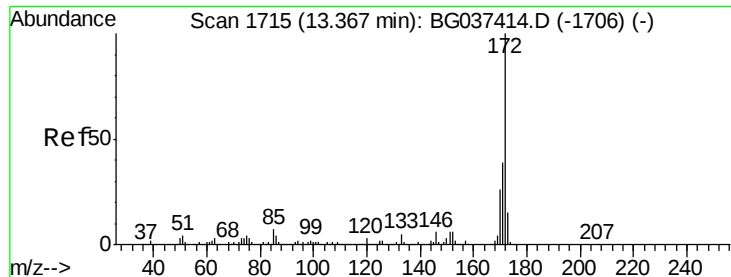
Tgt Ion:196 Resp: 2768
 Ion Ratio Lower Upper
 196 100
 198 84.3 76.4 114.6
 200 26.5 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 0.744 ng
 RT: 13.23 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion:196 Resp: 2869
 Ion Ratio Lower Upper
 196 100
 198 83.9 74.2 111.2
 97 35.6 34.1 51.1
 132 25.6 20.2 30.4

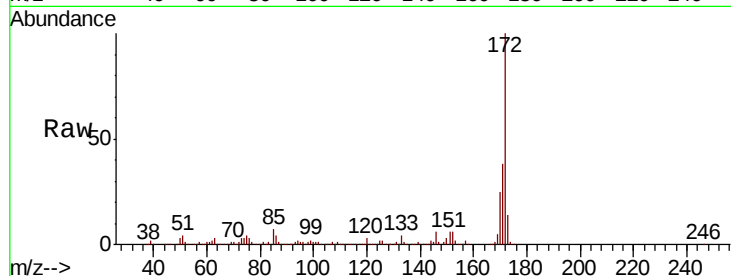




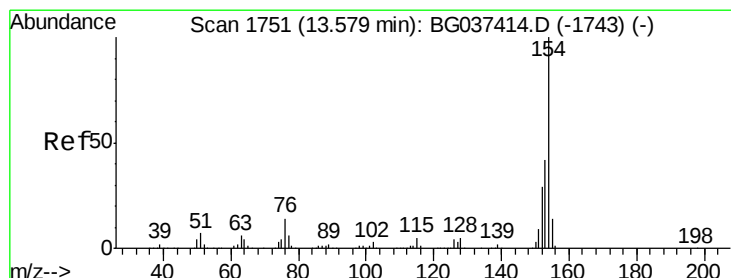
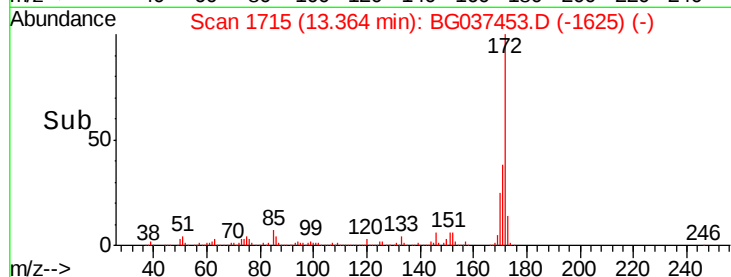
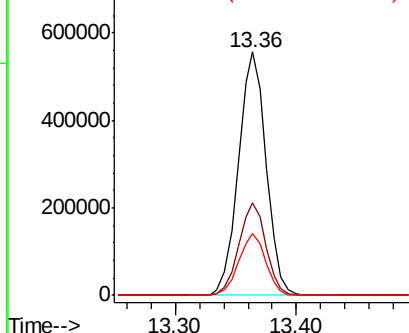
#45
 2-Fluorobiphenyl
 Concen: 81.271 ng
 RT: 13.36 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:172 Resp: 885819
 Ion Ratio Lower Upper
 172 100
 171 38.2 31.0 46.4
 170 25.5 20.2 30.2

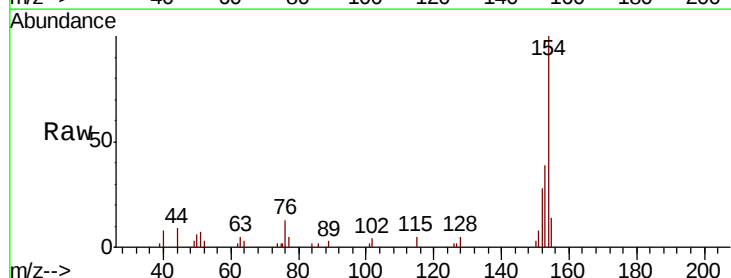


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

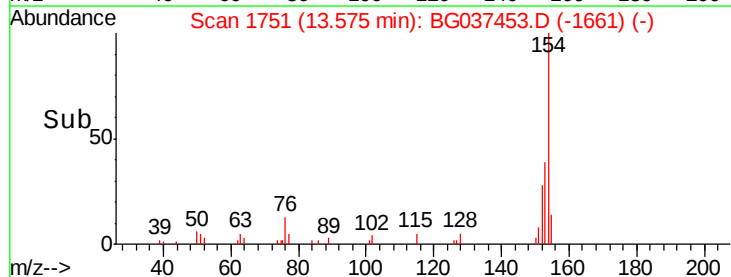
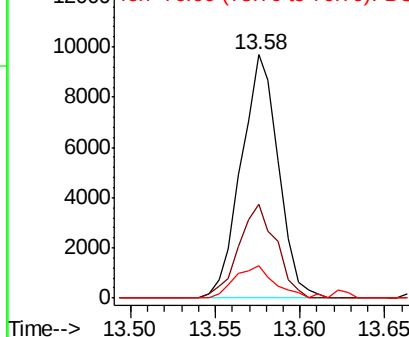


#46
 1,1'-Biphenyl
 Concen: 1.091 ng
 RT: 13.58 min Scan# 1751
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion:154 Resp: 14853
 Ion Ratio Lower Upper
 154 100
 153 38.6 22.1 62.1
 76 13.4 0.0 33.2



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG

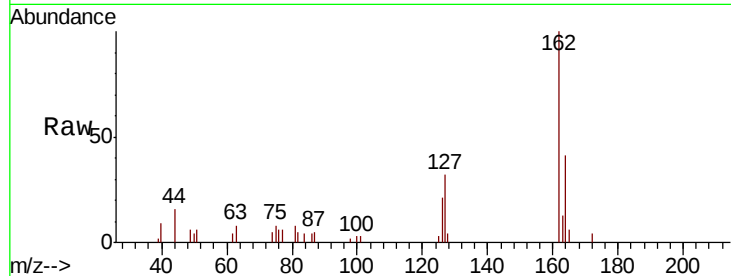




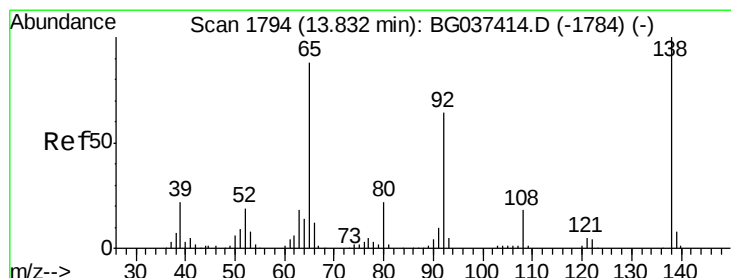
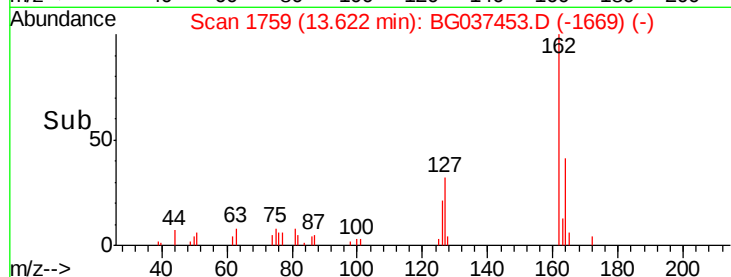
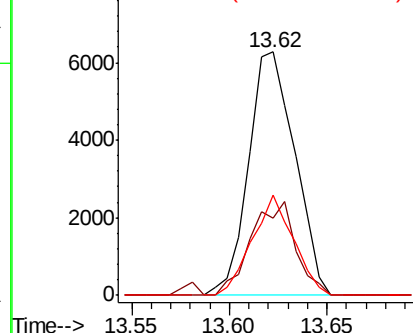
#47
2-Chloronaphthalene
Concen: 1.001 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 162 Resp: 10310
Ion Ratio Lower Upper
162 100
127 31.5 30.5 45.7
164 40.9 26.4 39.6#

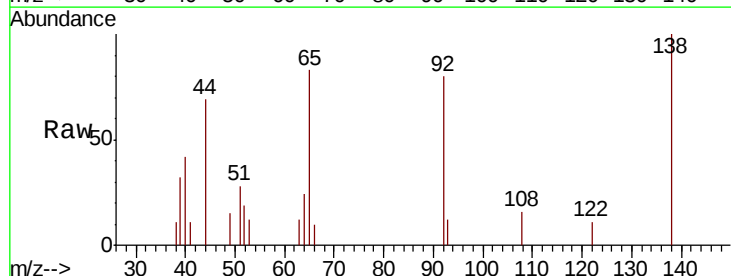


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

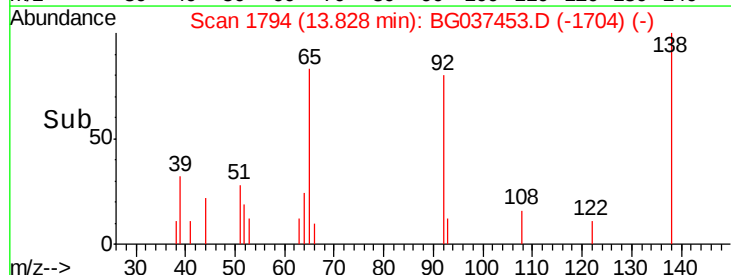
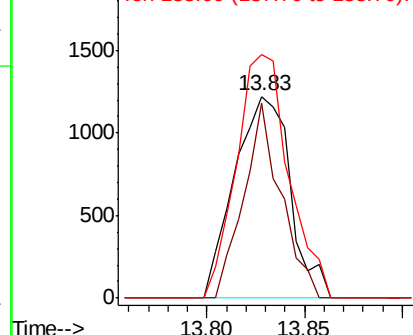


#48
2-Nitroaniline
Concen: 0.775 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion: 65 Resp: 2419
Ion Ratio Lower Upper
65 100
92 96.9 53.2 79.8#
138 120.9 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 1.052 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

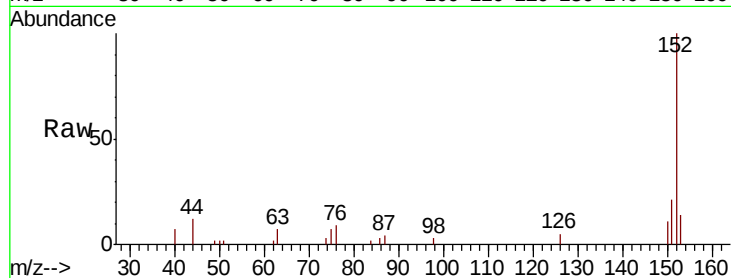
Tgt Ion:152 Resp: 16303

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

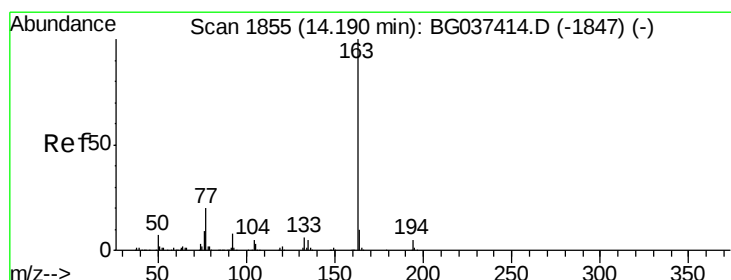
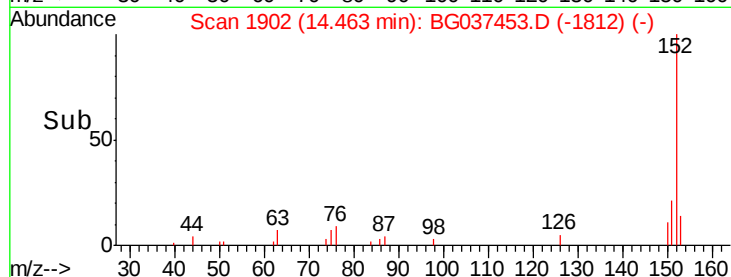
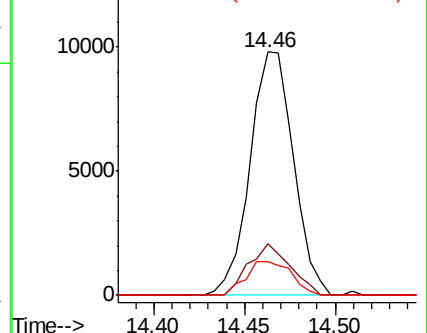
153 13.7 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 1.027 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

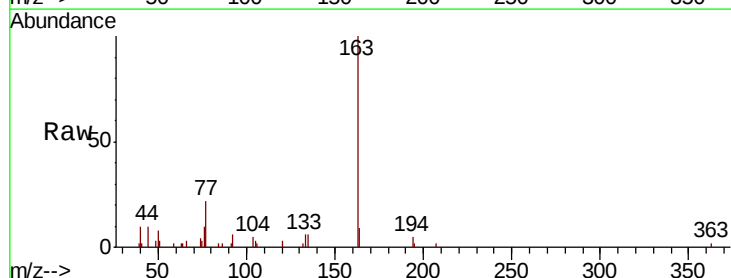
Tgt Ion:163 Resp: 13053

Ion Ratio Lower Upper

163 100

194 5.2 3.5 5.3

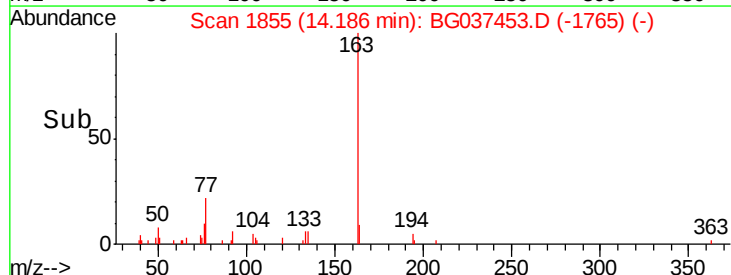
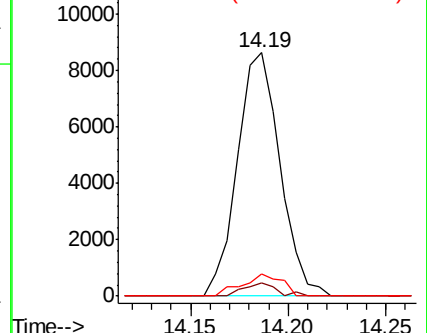
164 9.1 8.5 12.7

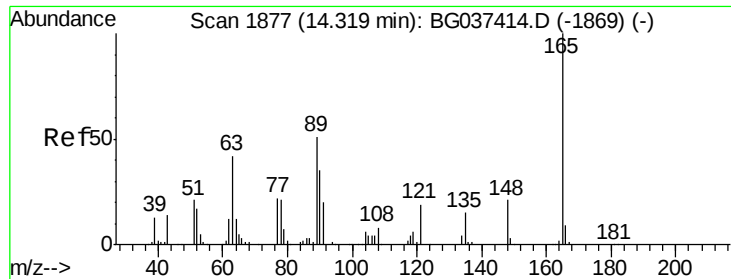


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.693 ng

RT: 14.32 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

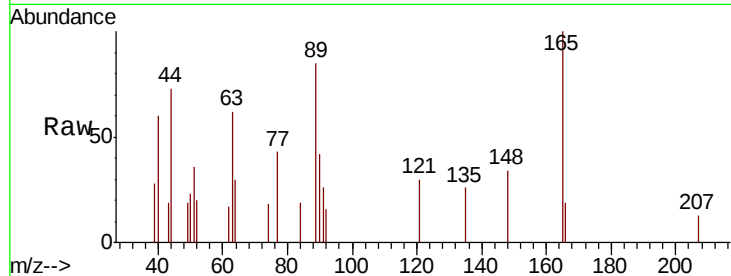
Tgt Ion:165 Resp: 1950

Ion Ratio Lower Upper

165 100

63 62.4 43.4 65.2

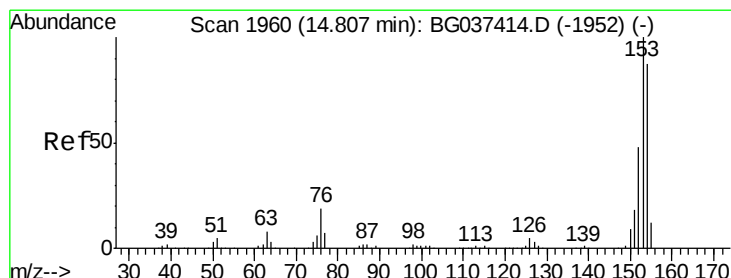
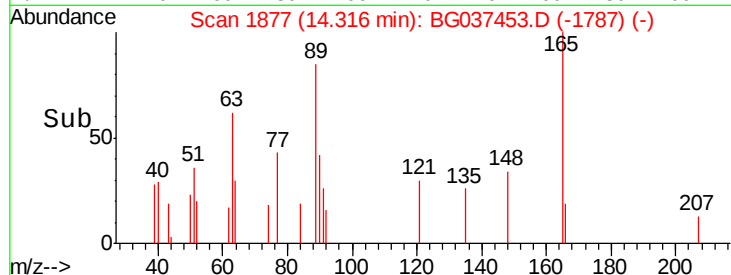
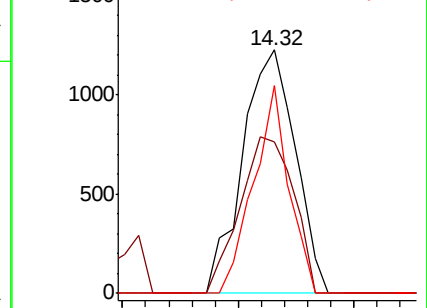
89 85.3 45.8 68.6#



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



#52

Acenaphthene

Concen: 1.034 ng

RT: 14.80 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

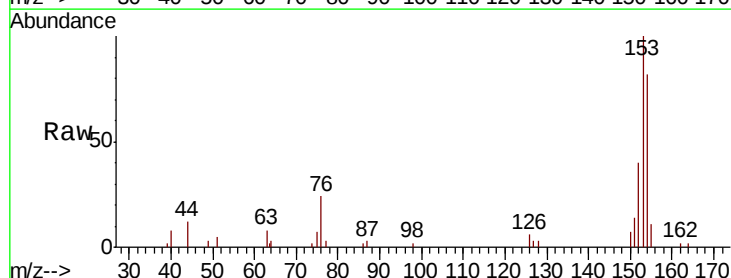
Tgt Ion:154 Resp: 9865

Ion Ratio Lower Upper

154 100

153 121.3 93.4 140.0

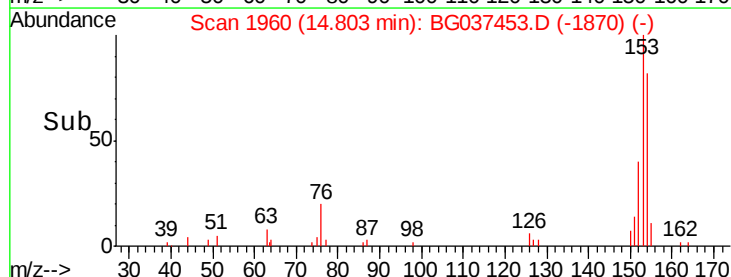
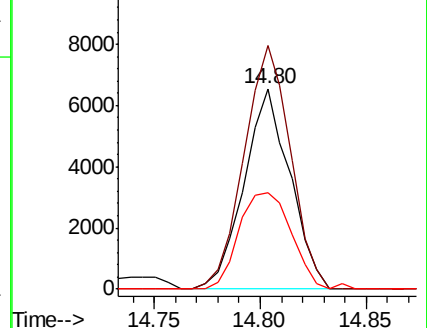
152 48.0 44.7 67.1

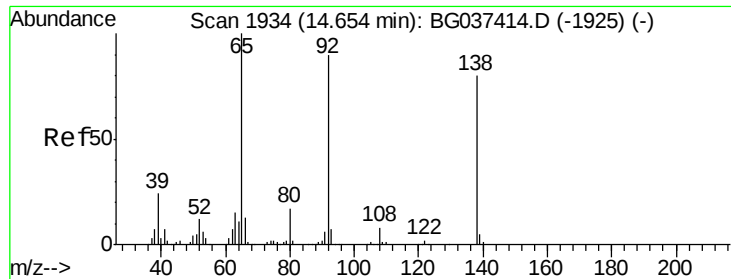


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

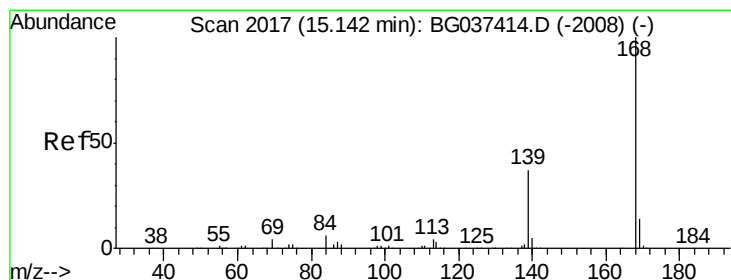
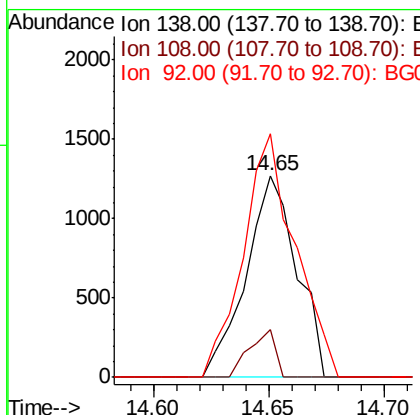
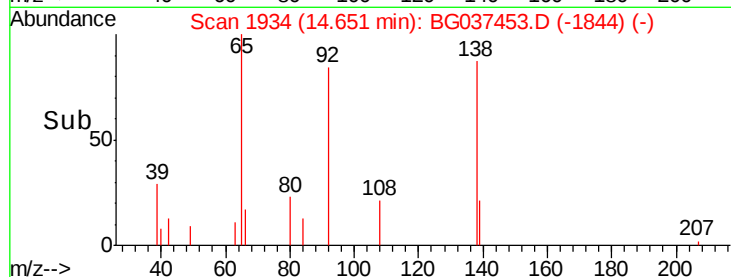
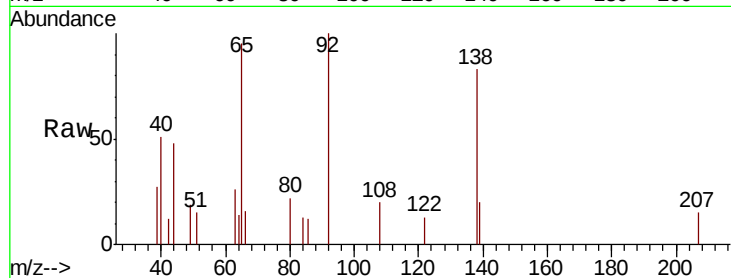




#53
3-Nitroaniline
Concen: 0.621 ng
RT: 14.65 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

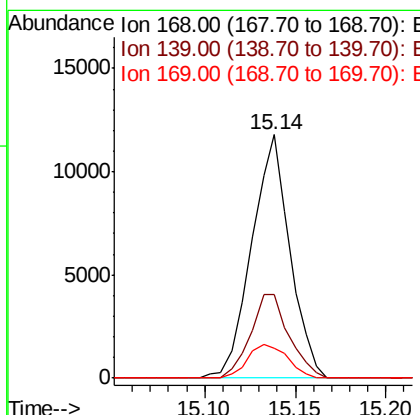
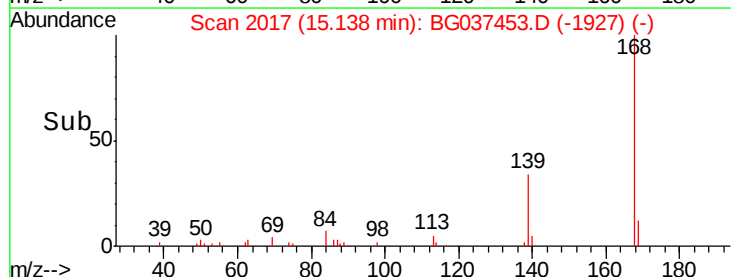
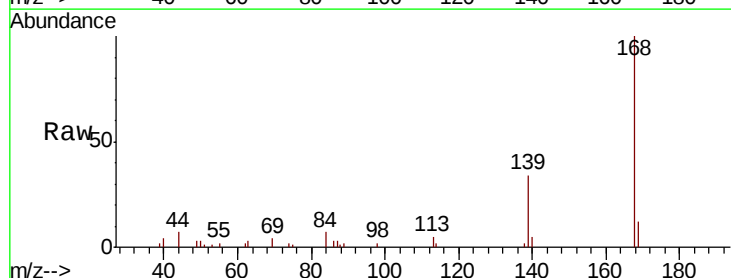
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

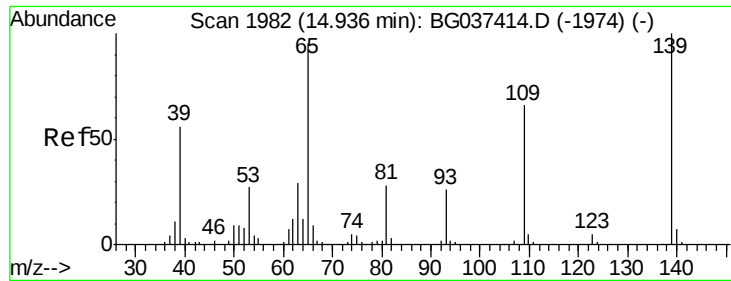
Tgt Ion:138 Resp: 1938
Ion Ratio Lower Upper
138 100
108 23.8 11.0 16.6#
92 120.7 95.2 142.8



#55
Dibenzofuran
Concen: 1.087 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:168 Resp: 17189
Ion Ratio Lower Upper
168 100
139 34.3 29.4 44.0
169 12.2 11.0 16.6





#56

4-Nitrophenol

Concen: 0.301 ng

RT: 14.94 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

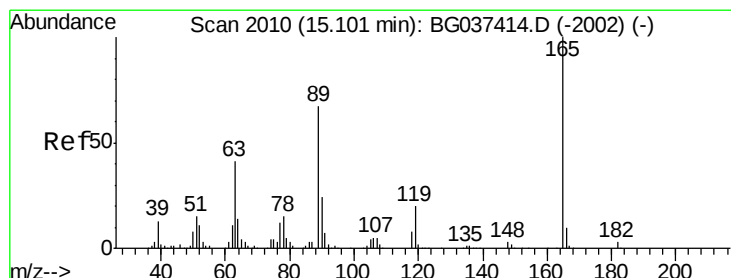
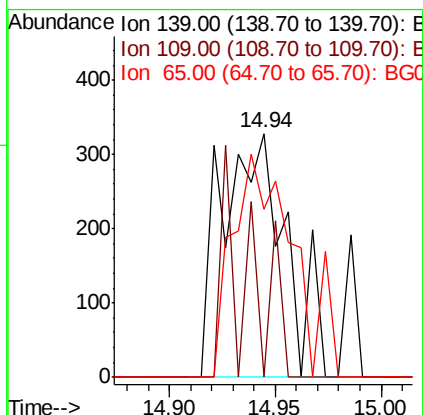
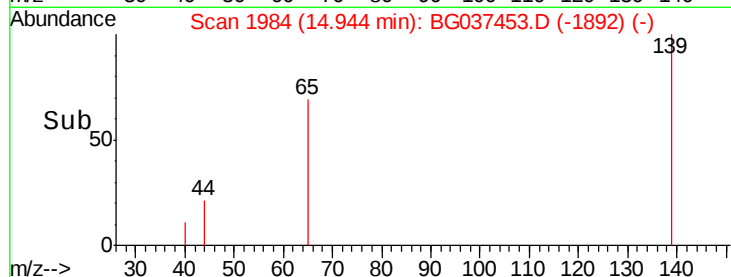
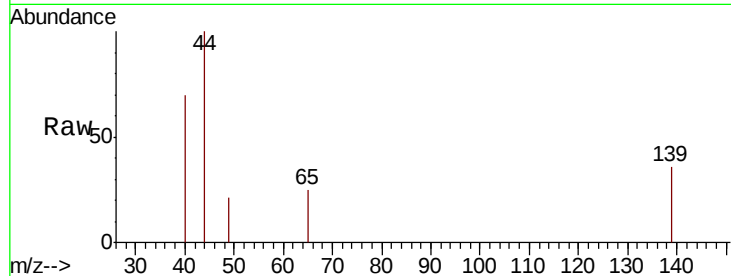
Tgt Ion:139 Resp: 696

Ion Ratio Lower Upper

139 100

109 0.0 49.5 89.5#

65 68.9 76.8 116.8#



#57

2,4-Dinitrotoluene

Concen: 0.713 ng

RT: 15.10 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Tgt Ion:165 Resp: 2633

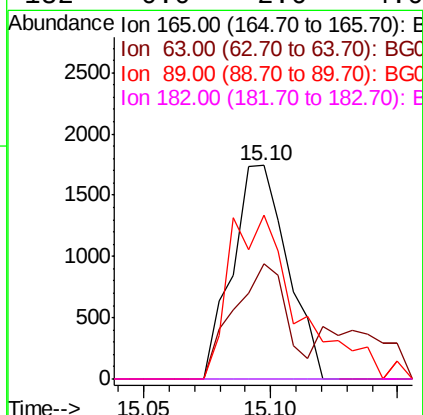
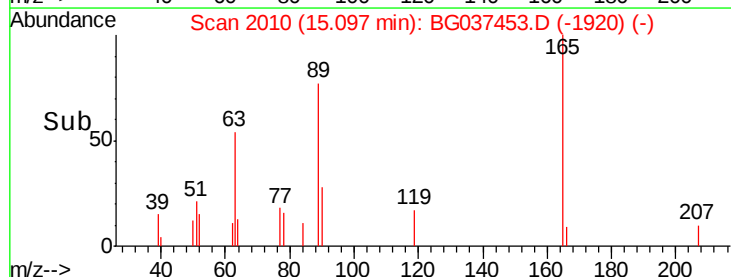
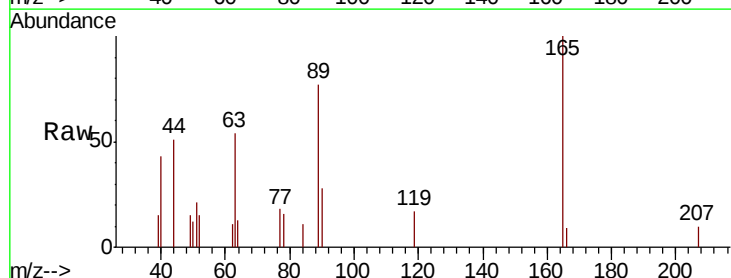
Ion Ratio Lower Upper

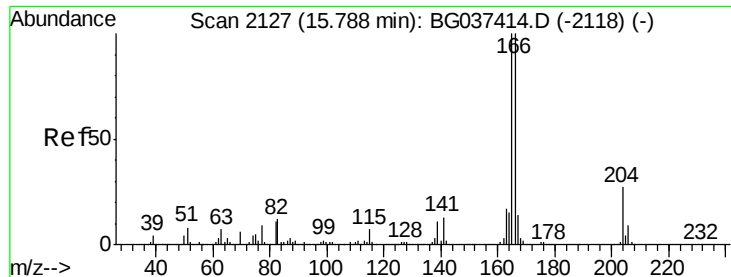
165 100

63 54.1 33.4 50.0#

89 76.8 57.2 85.8

182 0.0 2.6 4.0#





#58

Fluorene

Concen: 1.176 ng

RT: 15.78 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

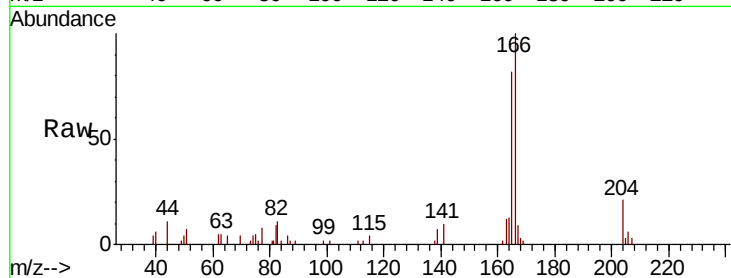
Tgt Ion:166 Resp: 13919

Ion Ratio Lower Upper

166 100

165 81.7 79.0 118.6

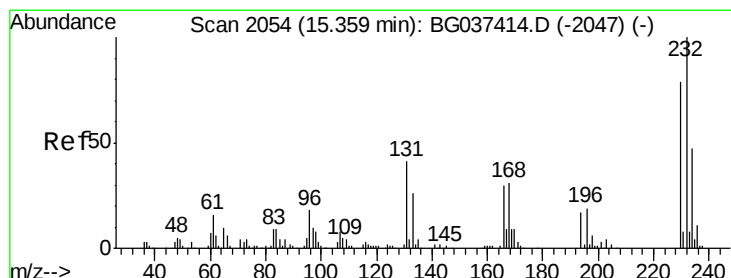
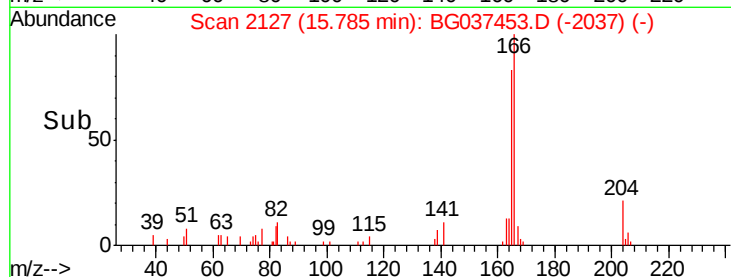
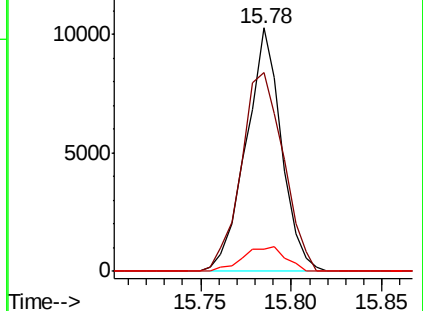
167 9.2 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

2,3,4,6-Tetrachlorophenol

Concen: 0.687 ng

RT: 15.35 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Tgt Ion:232 Resp: 2268

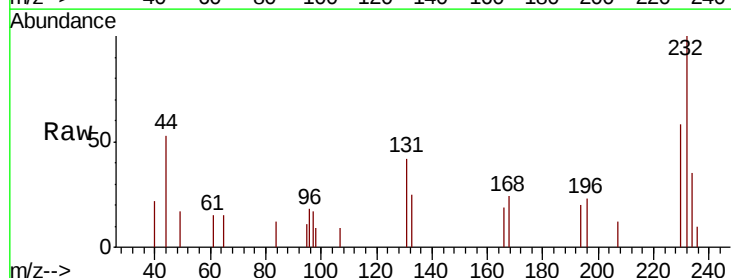
Ion Ratio Lower Upper

232 100

131 42.3 33.7 50.5

130 0.0 2.1 3.1#

166 25.0 24.6 36.8

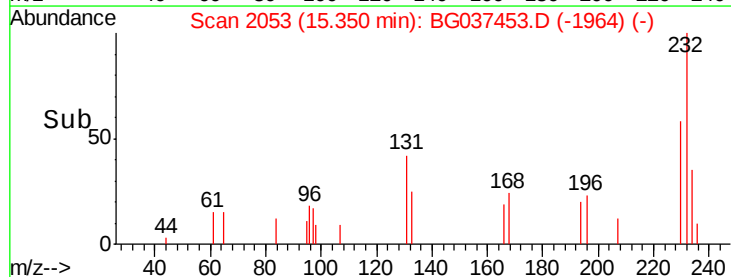
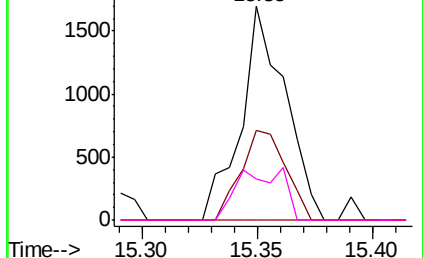


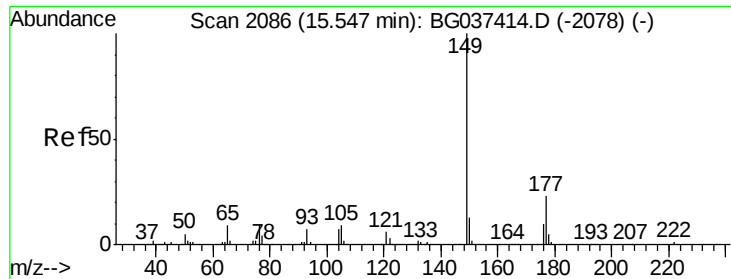
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

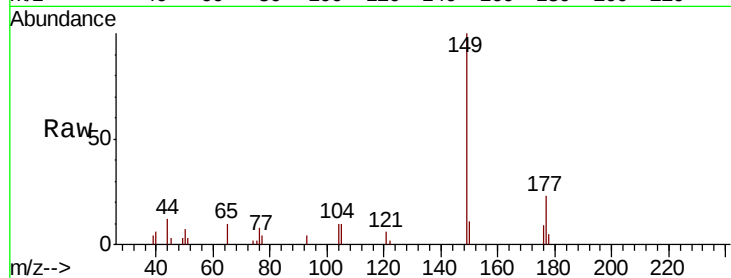




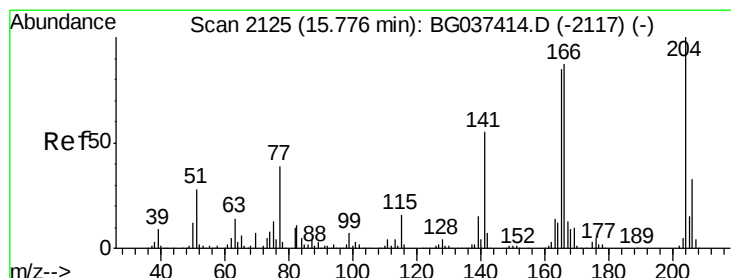
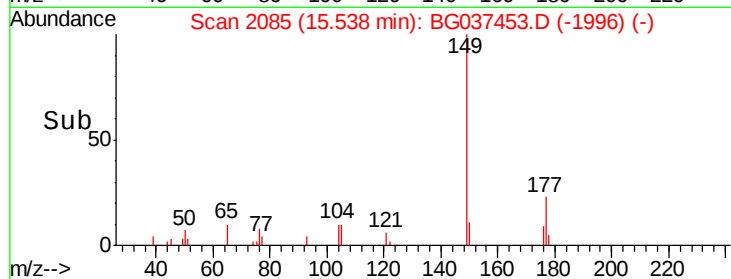
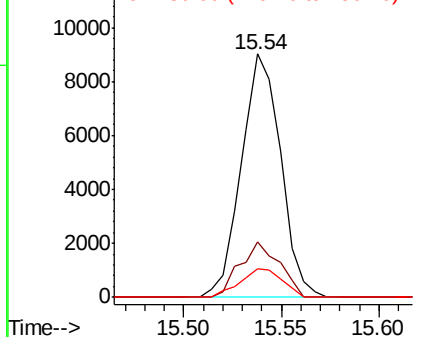
#60
Diethylphthalate
Concen: 0.963 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:149 Resp: 12570
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 11.5 10.0 15.0

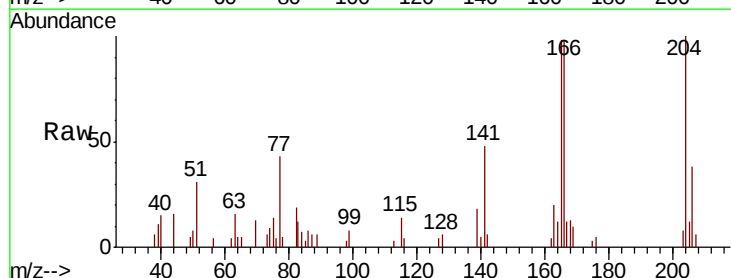


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

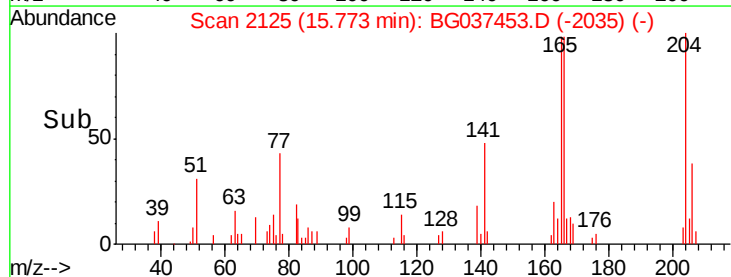
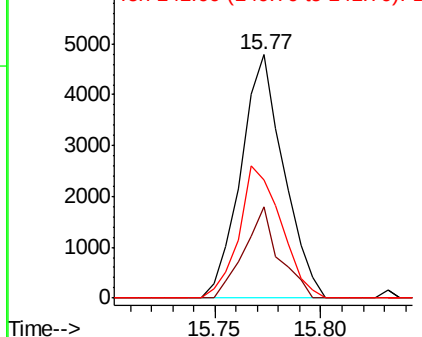


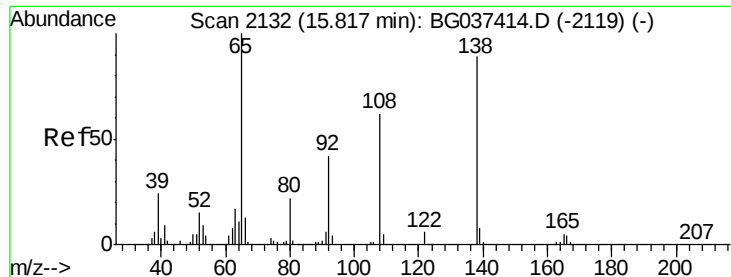
#61
4-Chlorophenyl-phenylether
Concen: 0.980 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:204 Resp: 6763
Ion Ratio Lower Upper
204 100
206 37.6 26.6 39.8
141 48.3 45.4 68.2



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





#62

4-Nitroaniline

Concen: 0.569 ng

RT: 15.81 min Scan# 2132

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

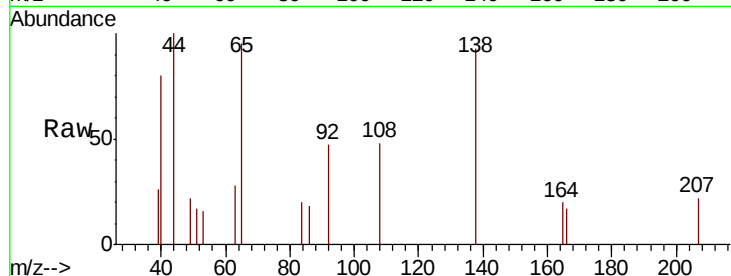
Tgt Ion:138 Resp: 1765

Ion Ratio Lower Upper

138 100

92 50.7 36.4 76.4

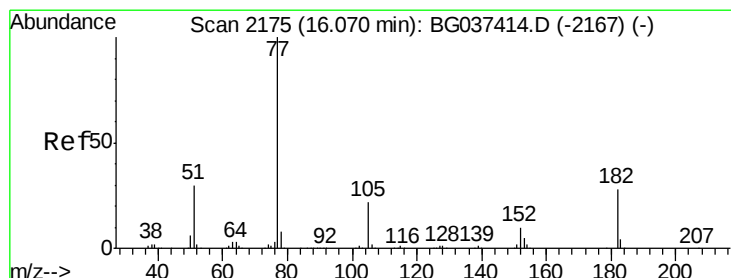
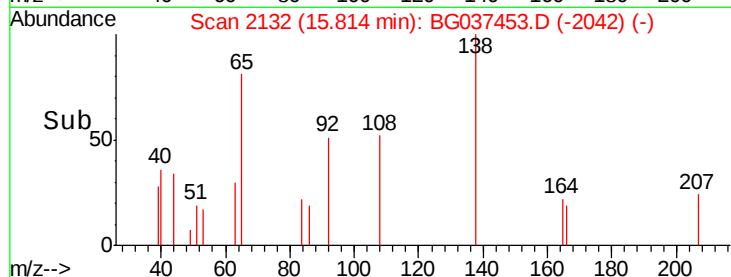
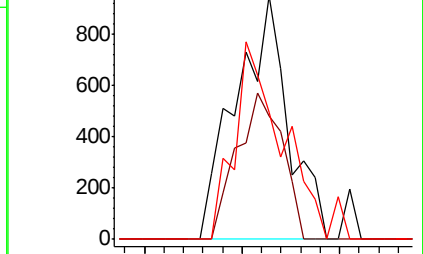
108 52.2 60.1 100.1#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 0.988 ng

RT: 16.07 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Tgt Ion: 77 Resp: 12302

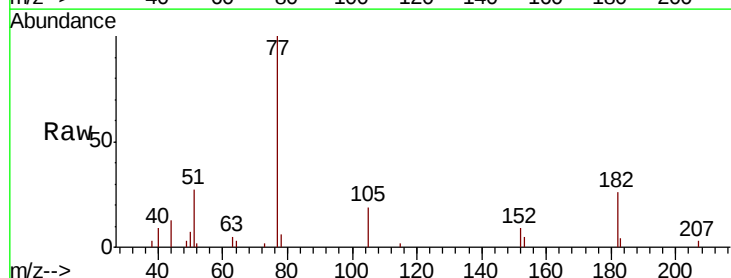
Ion Ratio Lower Upper

77 100

182 25.7 8.0 48.0

105 18.8 1.3 41.3

51 26.6 10.7 50.7

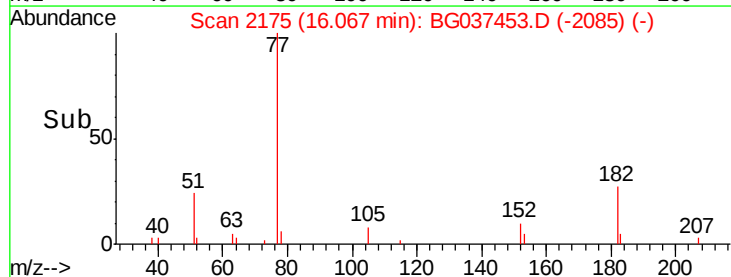
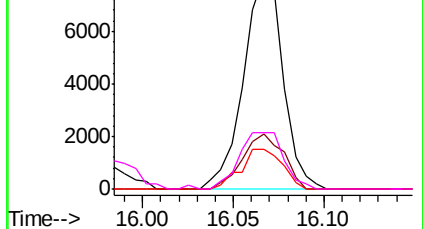


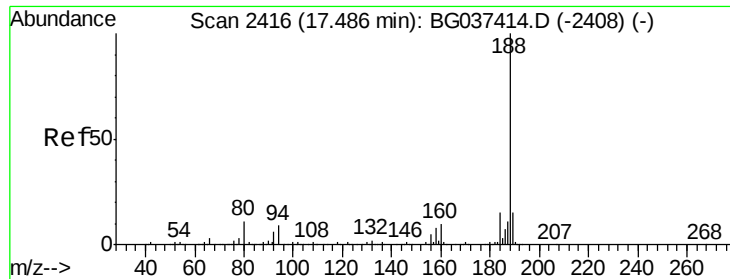
Abundance Ion 77.00 (76.70 to 77.70): BG

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): BG





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

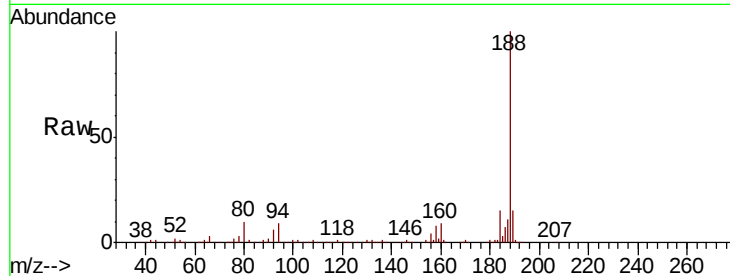
Tgt Ion:188 Resp: 398304

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

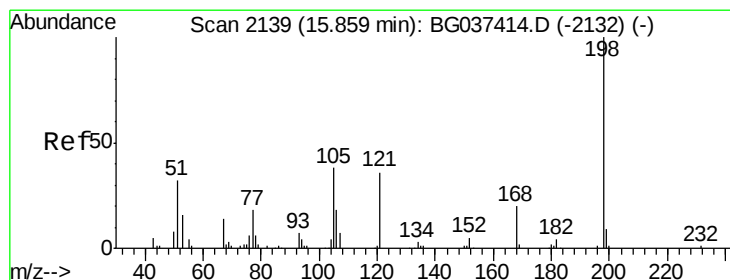
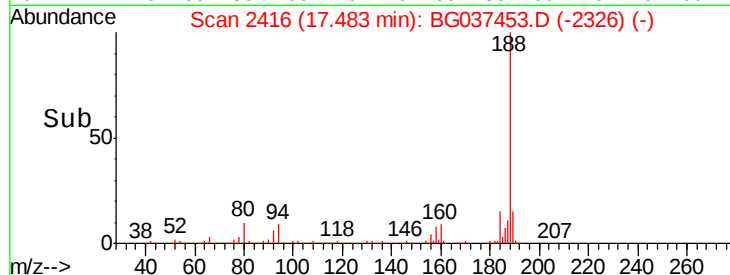
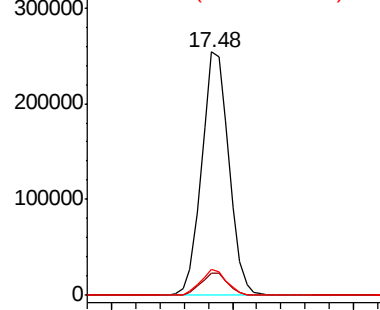
80 10.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 8.564 ng

RT: 15.86 min Scan# 2139

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

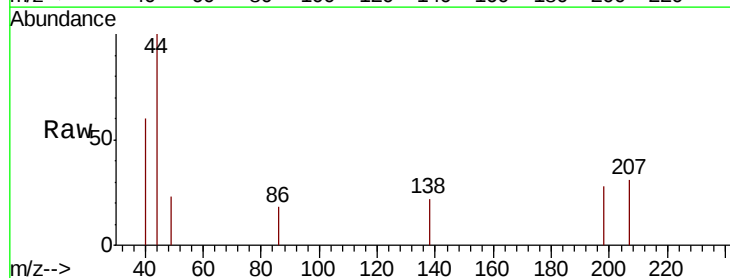
Tgt Ion:198 Resp: 144

Ion Ratio Lower Upper

198 100

51 0.0 22.7 62.7#

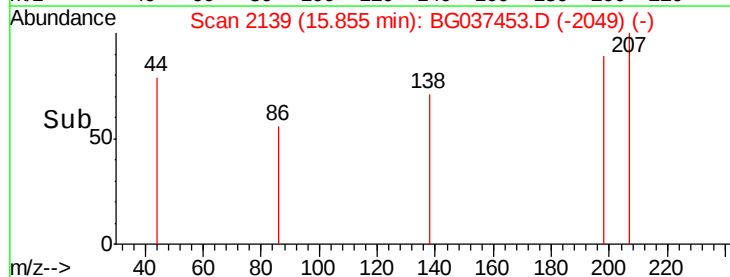
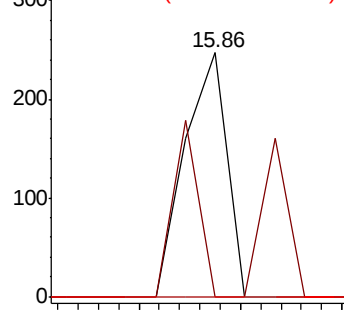
105 0.0 19.7 59.7#

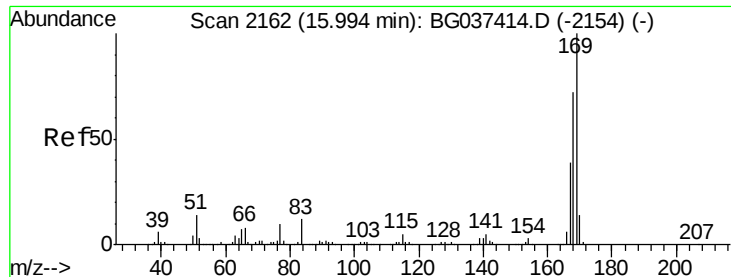


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 0.924 ng

RT: 15.98 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

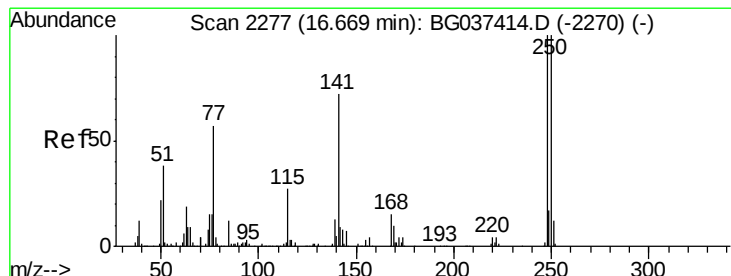
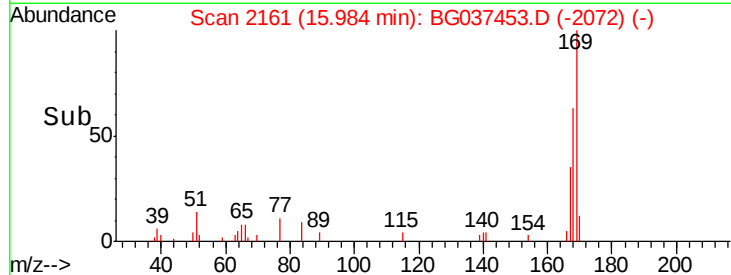
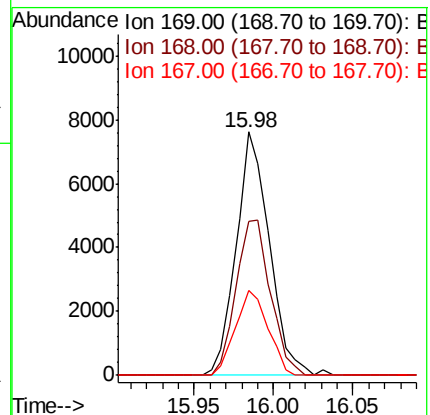
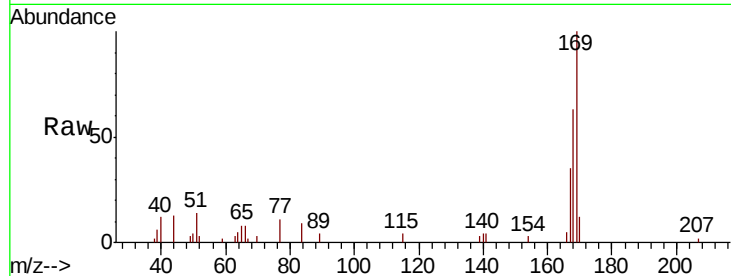
Tgt Ion:169 Resp: 11071

Ion Ratio Lower Upper

169 100

168 63.0 55.7 83.5

167 34.9 31.3 46.9



#67

4-Bromophenyl-phenylether

Concen: 0.920 ng

RT: 16.67 min Scan# 2278

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

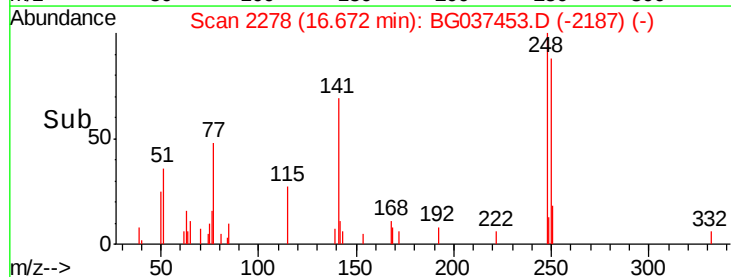
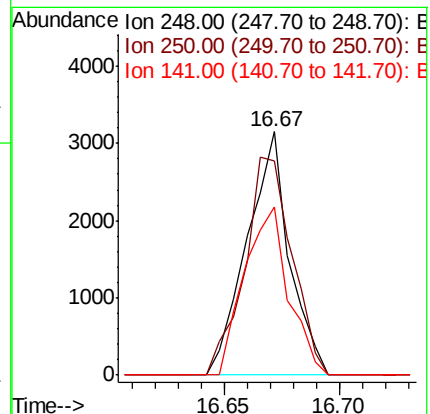
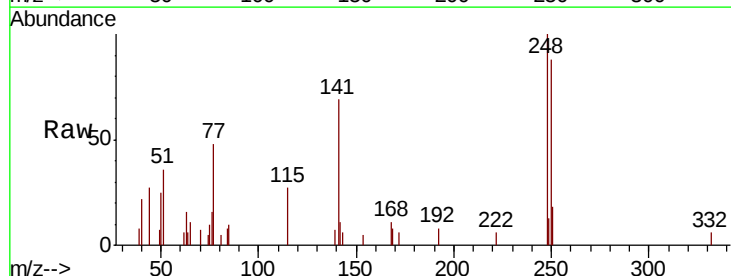
Tgt Ion:248 Resp: 4026

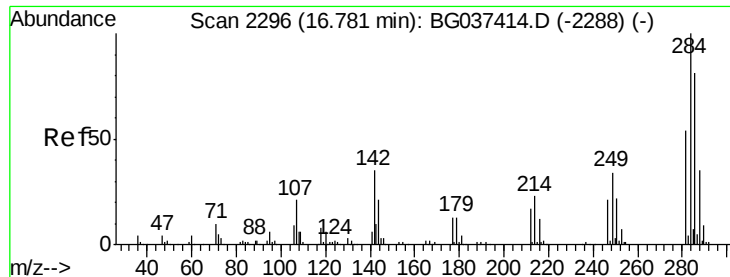
Ion Ratio Lower Upper

248 100

250 87.8 77.0 115.6

141 69.2 55.5 83.3





#68

Hexachlorobenzene

Concen: 0.975 ng

RT: 16.78 min Scan# 2296

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

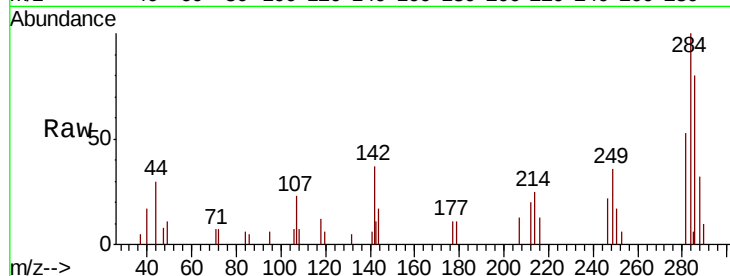
Tgt Ion:284 Resp: 4420

Ion Ratio Lower Upper

284 100

142 37.4 28.1 42.1

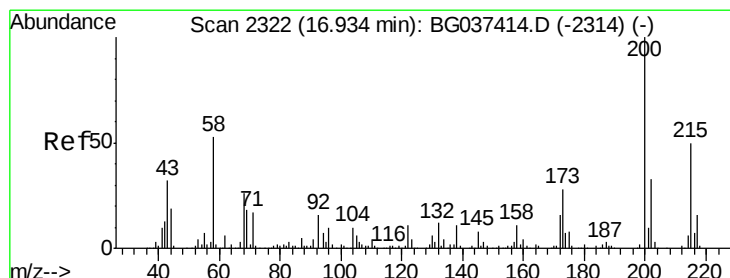
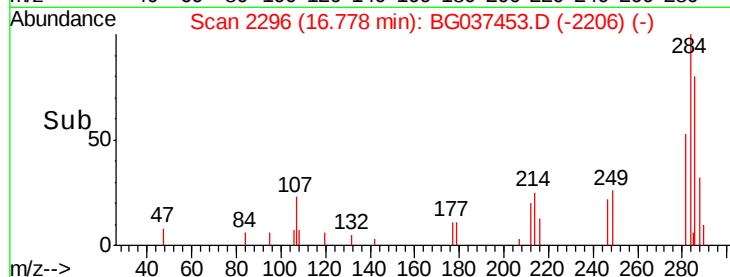
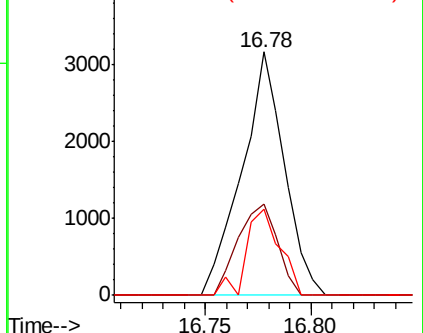
249 35.7 29.8 44.8



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



#69

Atrazine

Concen: 0.861 ng

RT: 16.92 min Scan# 2320

Delta R.T. -0.02 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

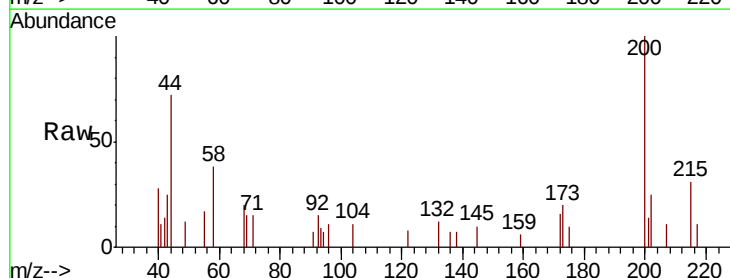
Tgt Ion:200 Resp: 3729

Ion Ratio Lower Upper

200 100

173 20.3 6.1 46.1

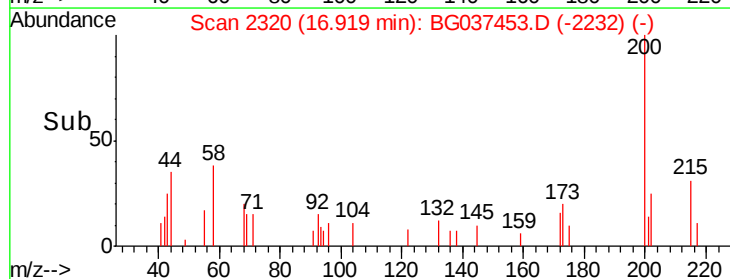
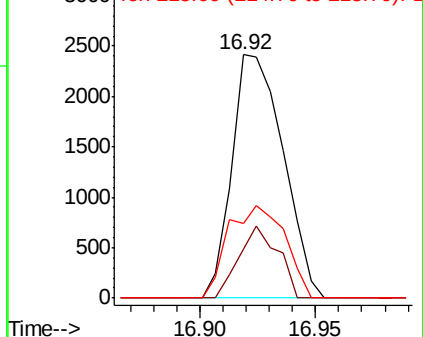
215 30.8 30.8 70.8

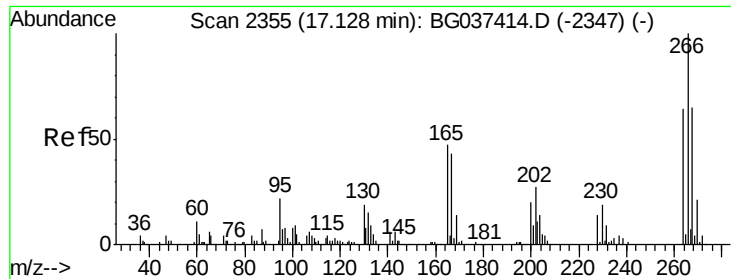


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Pentachlorophenol

Concen: 0.163 ng

RT: 17.13 min Scan# 2356

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

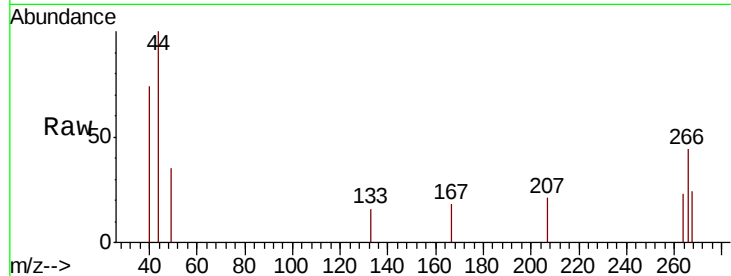
Tgt Ion:266 Resp: 494

Ion Ratio Lower Upper

266 100

268 53.6 55.0 82.6#

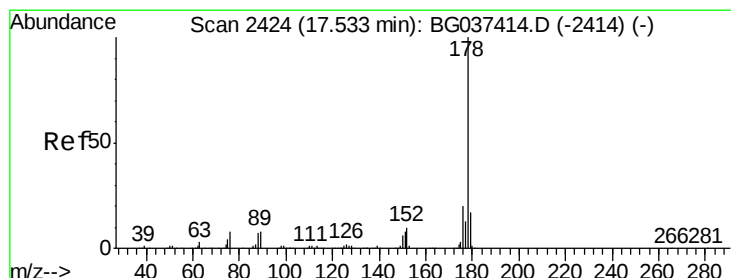
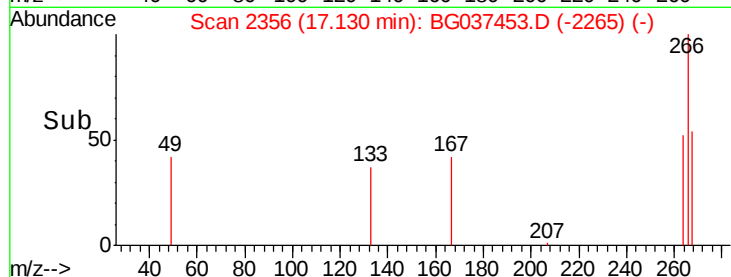
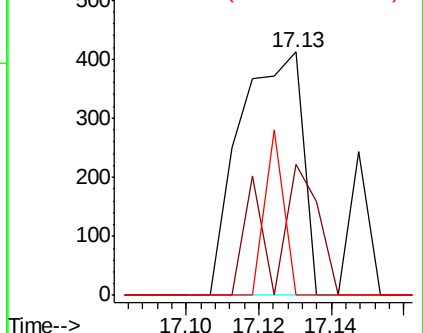
264 0.0 58.9 88.3#



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71

Phenanthrene

Concen: 1.151 ng

RT: 17.53 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

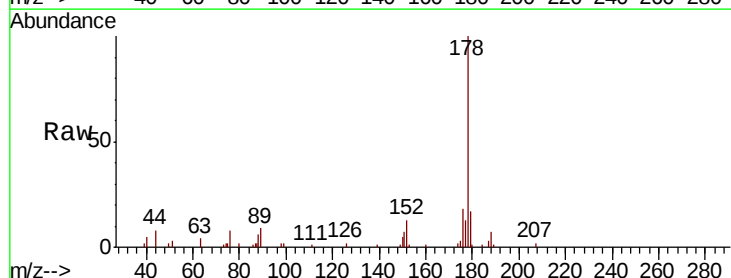
Tgt Ion:178 Resp: 23290

Ion Ratio Lower Upper

178 100

176 17.8 16.1 24.1

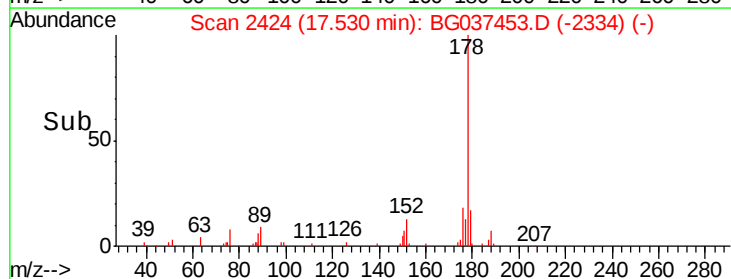
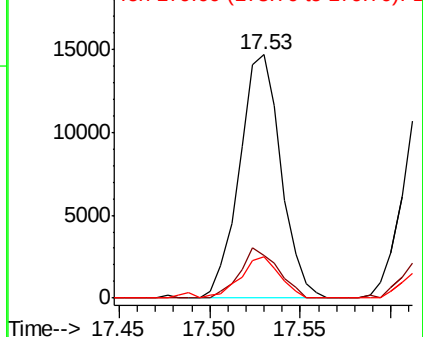
179 17.0 13.0 19.4

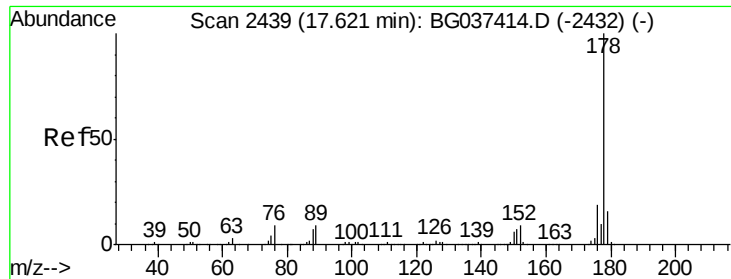


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 1.172 ng

RT: 17.53 min Scan# 2424

Delta R.T. -0.09 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

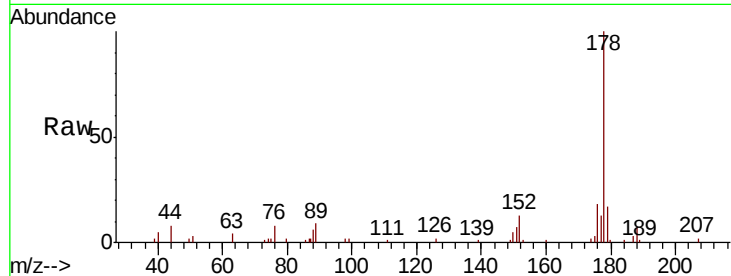
Tgt Ion:178 Resp: 23290

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.4

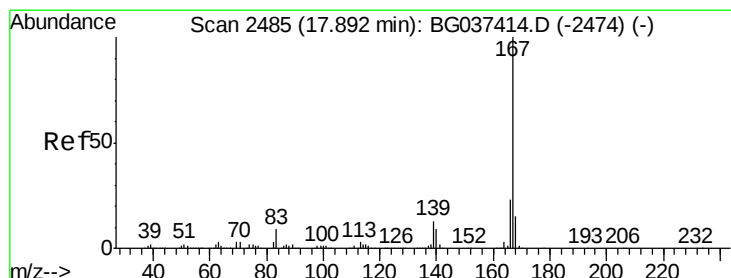
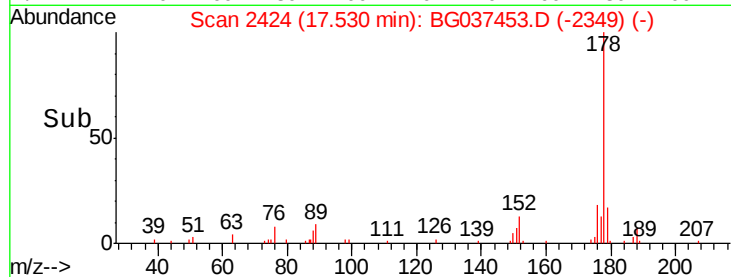
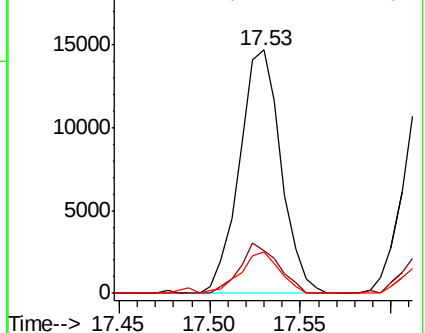
179 17.0 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.886 ng

RT: 17.89 min Scan# 2486

Delta R.T. 0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

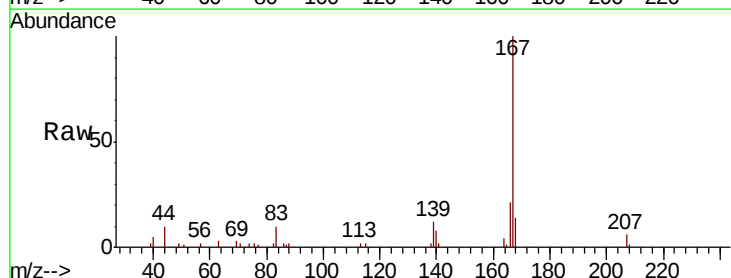
Tgt Ion:167 Resp: 17615

Ion Ratio Lower Upper

167 100

166 20.9 18.3 27.5

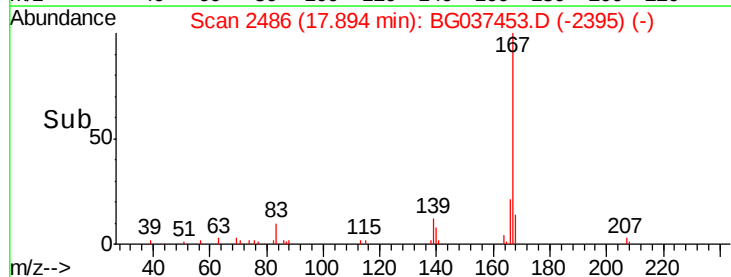
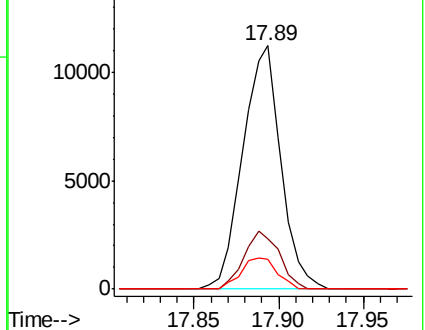
139 12.4 10.5 15.7

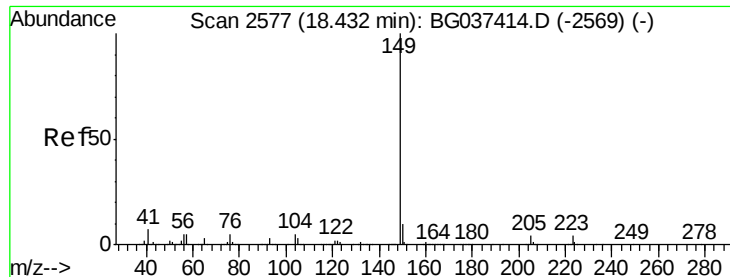


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

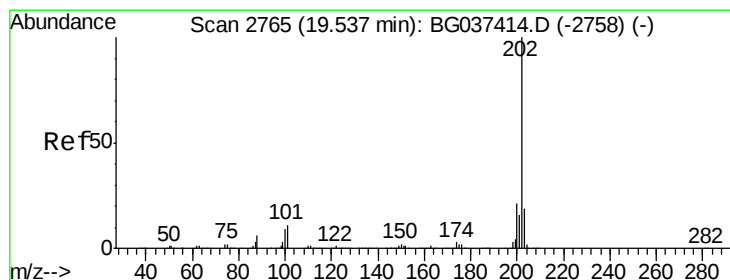
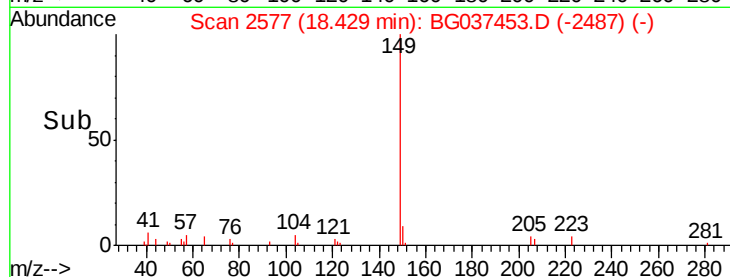
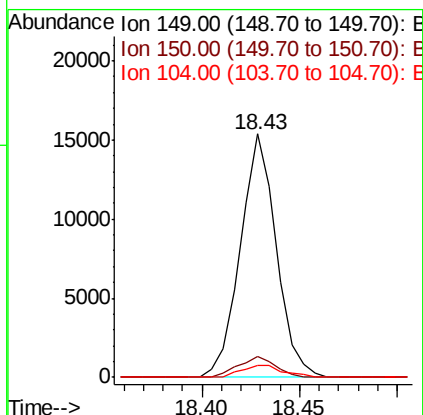
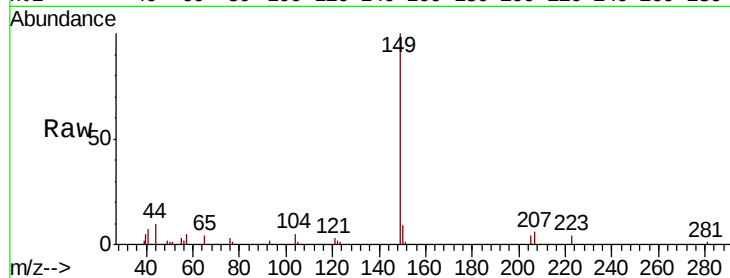




#74
Di-n-butylphthalate
Concen: 0.884 ng
RT: 18.43 min Scan# 2577
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

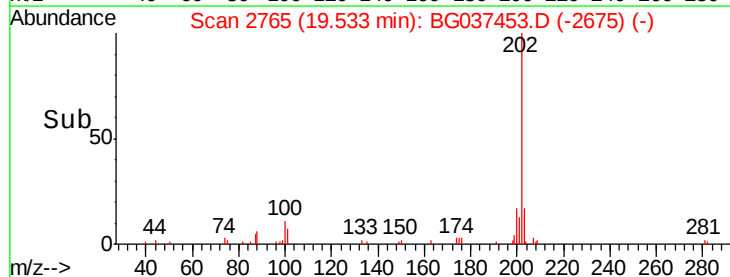
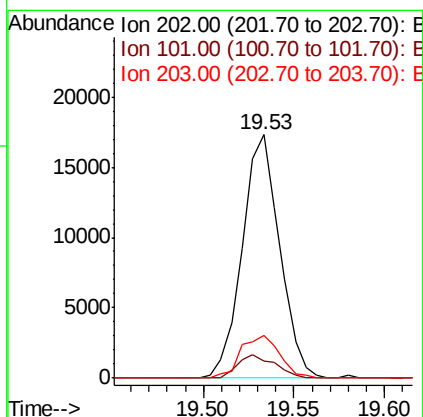
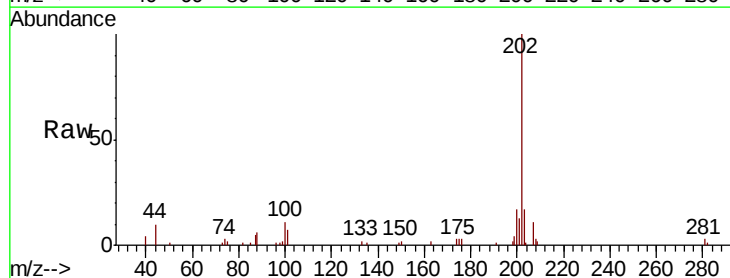
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

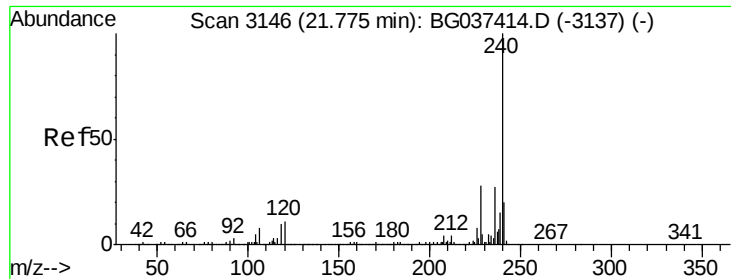
Tgt Ion:149 Resp: 19548
Ion Ratio Lower Upper
149 100
150 8.6 8.2 12.2
104 4.8 4.0 6.0



#75
Fluoranthene
Concen: 1.080 ng
RT: 19.53 min Scan# 2765
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:202 Resp: 24807
Ion Ratio Lower Upper
202 100
101 7.0 0.0 30.7
203 17.3 0.0 38.5

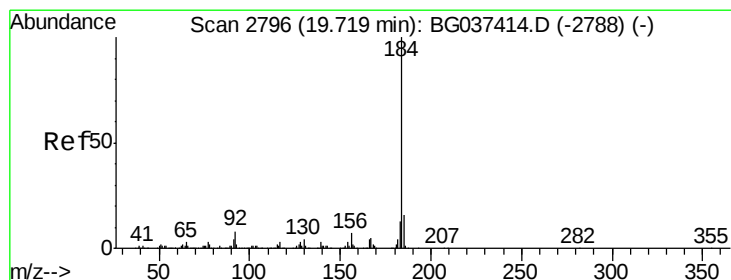
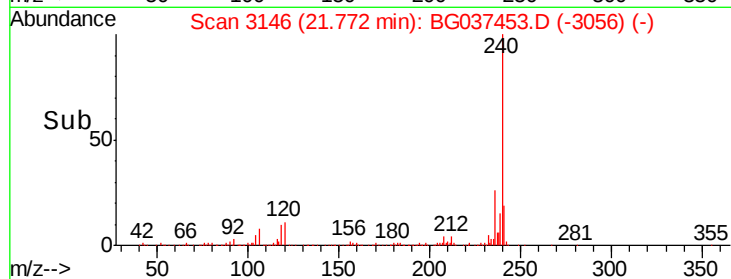
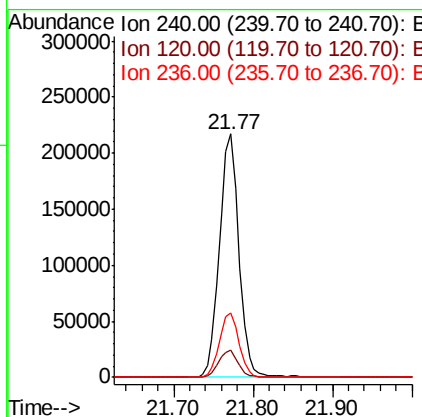
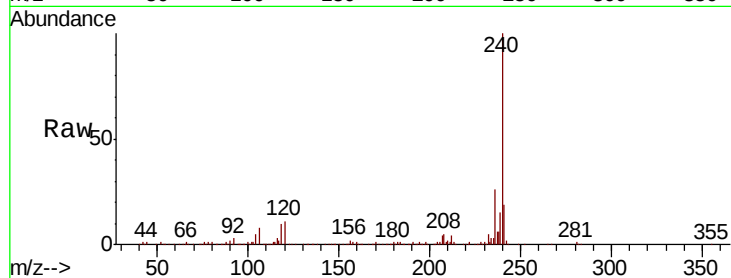




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

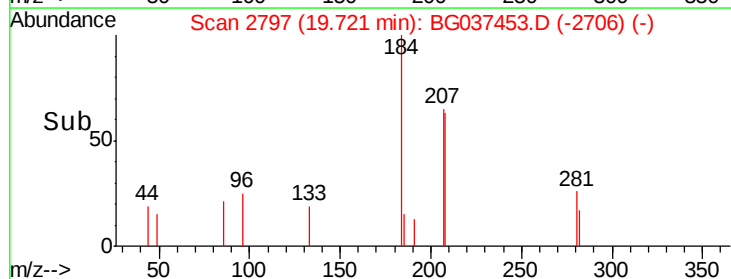
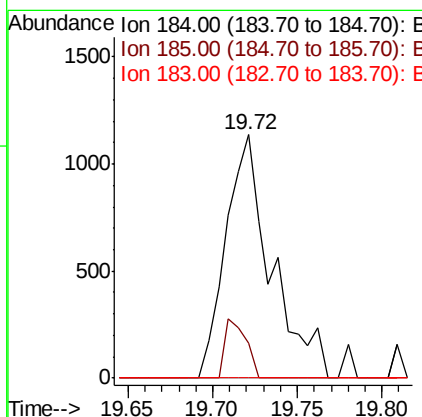
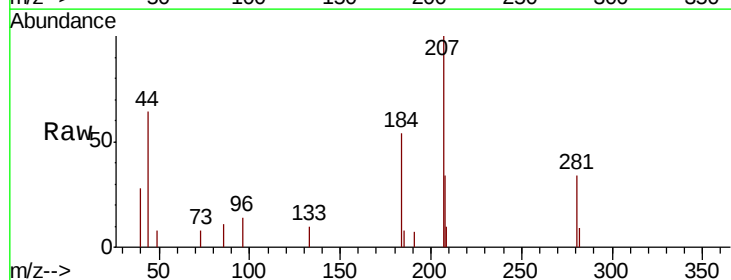
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

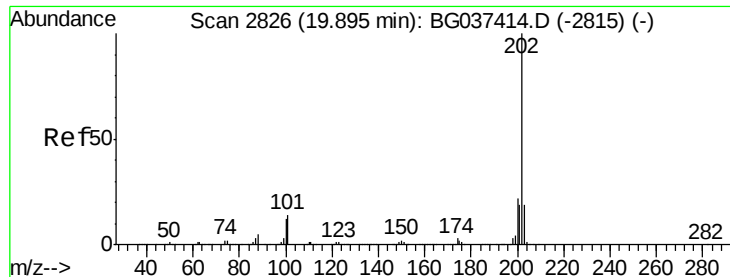
Tgt Ion:240 Resp: 370378
Ion Ratio Lower Upper
240 100
120 11.1 8.1 12.1
236 26.4 21.4 32.0



#77
Benzidine
Concen: 0.168 ng
RT: 19.72 min Scan# 2797
Delta R.T. 0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:184 Resp: 2120
Ion Ratio Lower Upper
184 100
185 14.5 12.6 18.8
183 0.0 10.2 15.2#

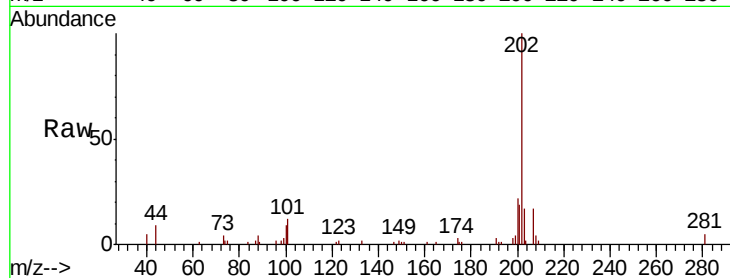




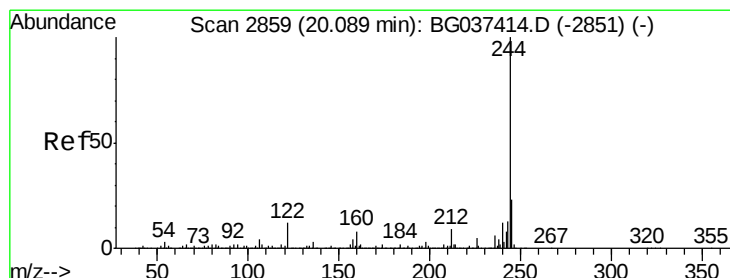
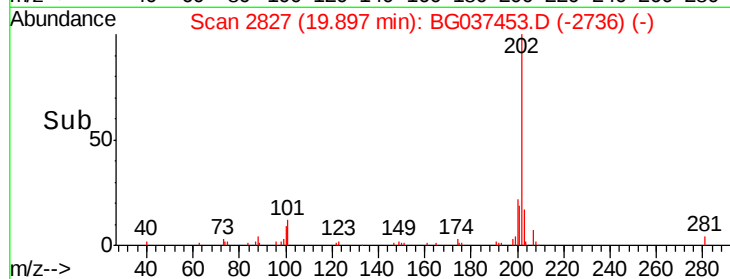
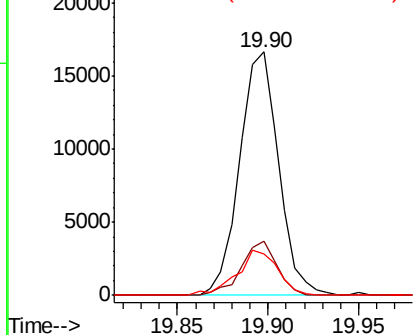
#78
 Pyrene
 Concen: 1.033 ng
 RT: 19.90 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 202 Resp: 25012
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.8 26.6
 203 17.3 15.2 22.8

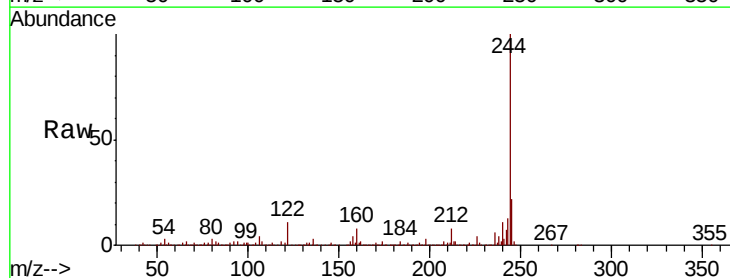


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

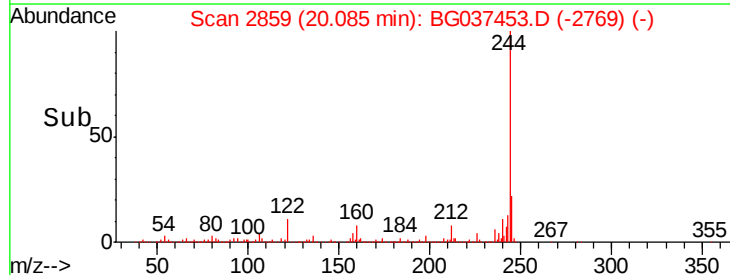
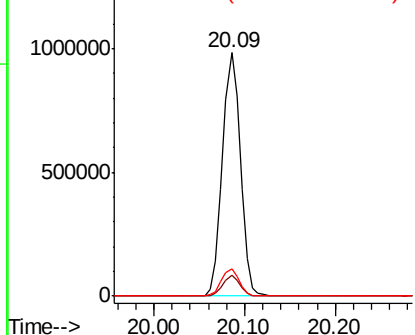


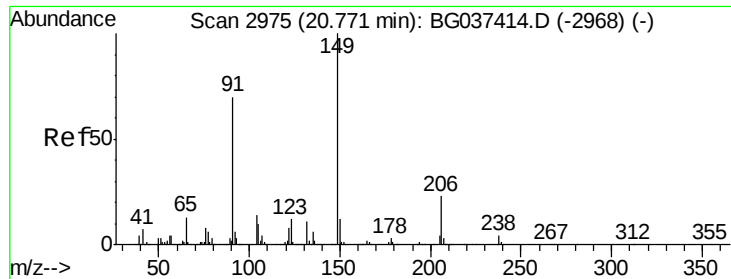
#79
 Terphenyl-d14
 Concen: 78.192 ng
 RT: 20.09 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion: 244 Resp: 1355341
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 11.2 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

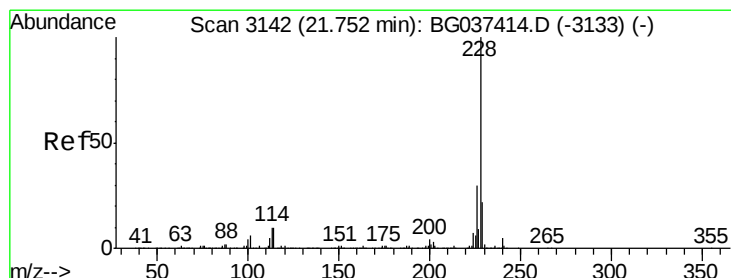
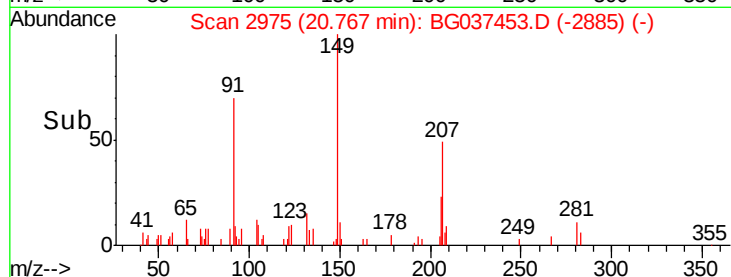
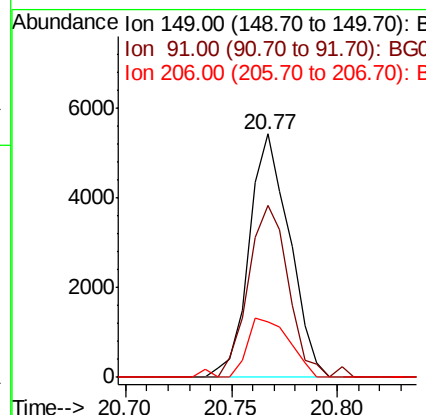
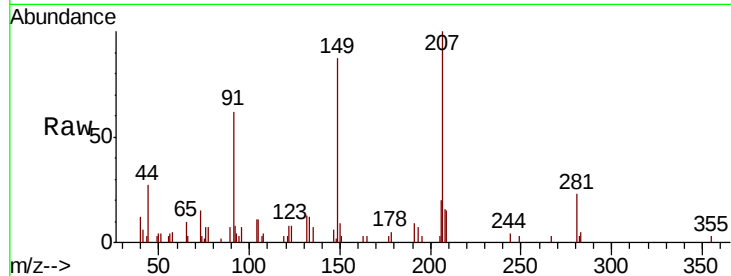




#80
Butylbenzylphthalate
Concen: 0.726 ng
RT: 20.77 min Scan# 2975
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

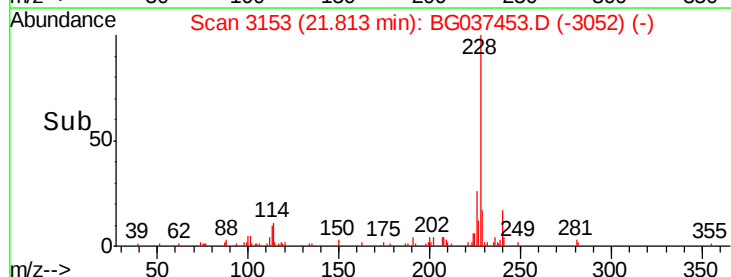
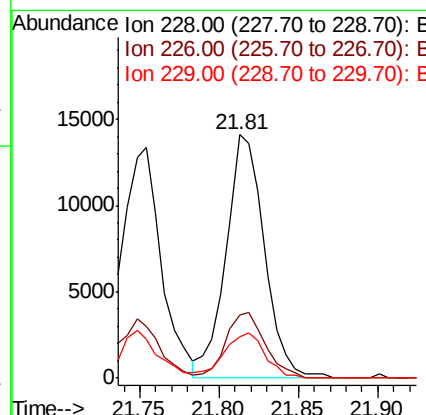
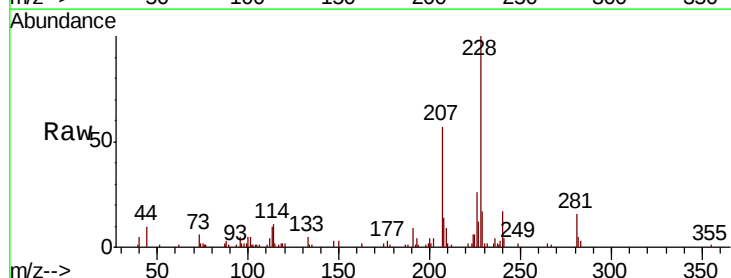
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

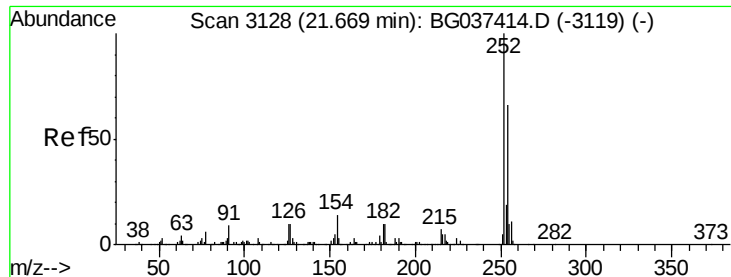
Tgt Ion:149 Resp: 7190
Ion Ratio Lower Upper
149 100
91 70.4 57.0 85.4
206 22.7 17.8 26.6



#81
Benzo(a)anthracene
Concen: 1.081 ng
RT: 21.81 min Scan# 3153
Delta R.T. 0.06 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion:228 Resp: 23688
Ion Ratio Lower Upper
228 100
226 26.0 22.6 33.8
229 17.0 16.3 24.5

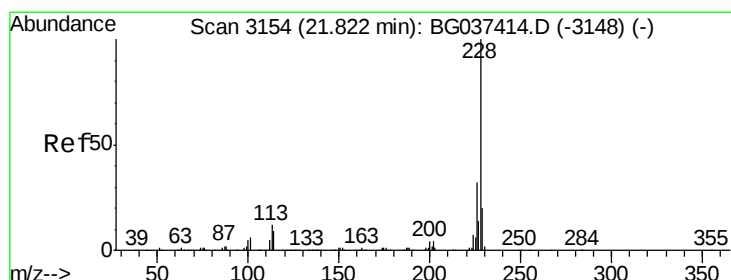
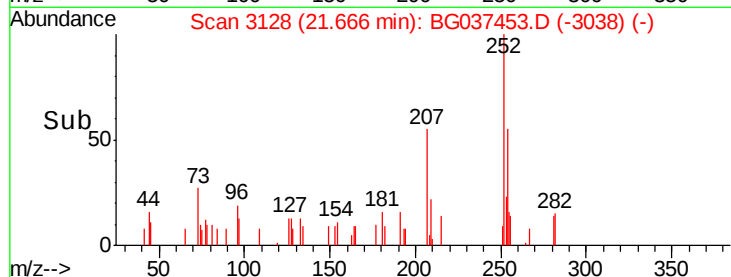
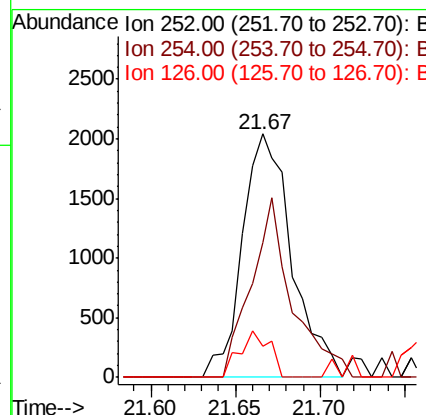
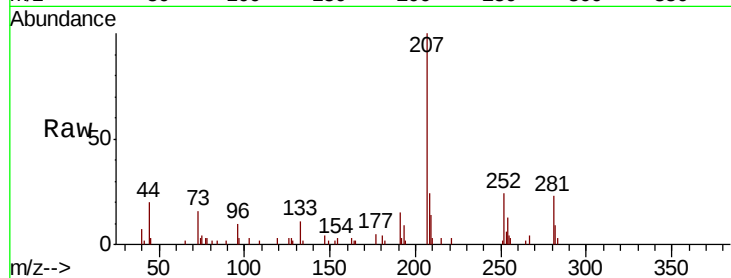




#82
 3,3'-Dichlorobenzidine
 Concen: 0.488 ng
 RT: 21.67 min Scan# 3128
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

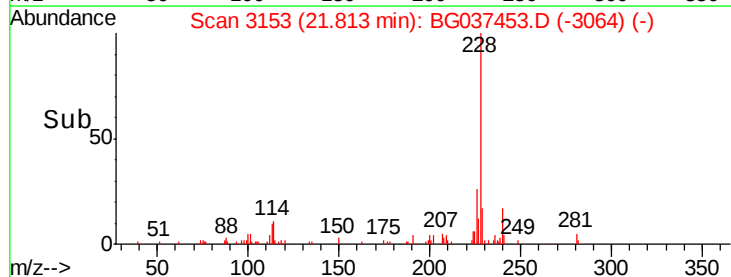
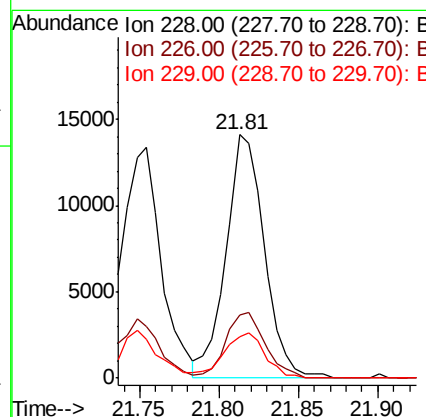
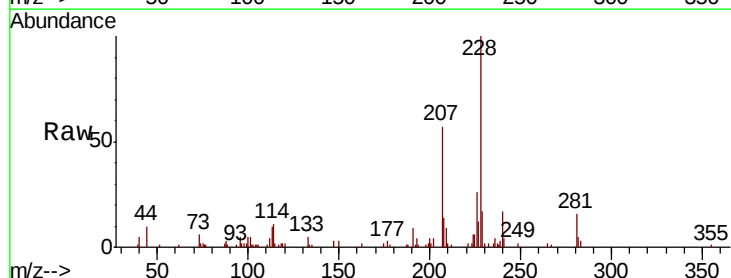
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

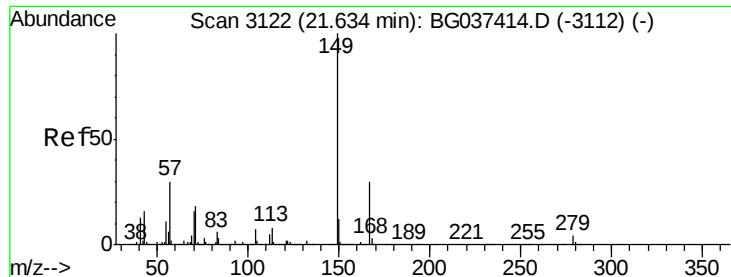
Tgt Ion:252 Resp: 4147
 Ion Ratio Lower Upper
 252 100
 254 55.1 52.0 78.0
 126 12.7 8.2 12.4#



#83
 Chrysene
 Concen: 1.124 ng
 RT: 21.81 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion:228 Resp: 23688
 Ion Ratio Lower Upper
 228 100
 226 26.0 25.7 38.5
 229 17.0 16.5 24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.753 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

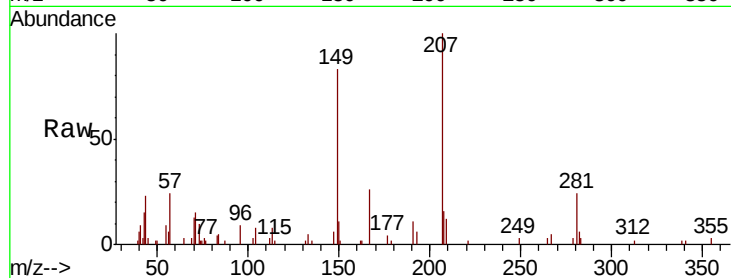
Tgt Ion:149 Resp: 10452

Ion Ratio Lower Upper

149 100

167 30.9 23.0 34.4

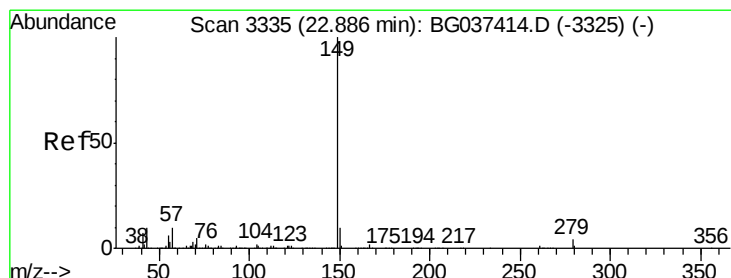
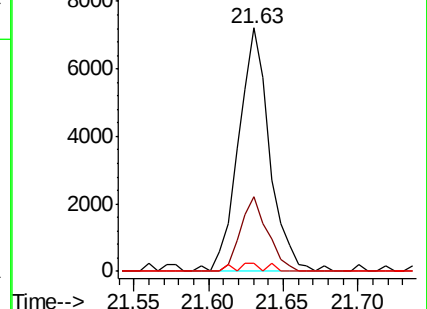
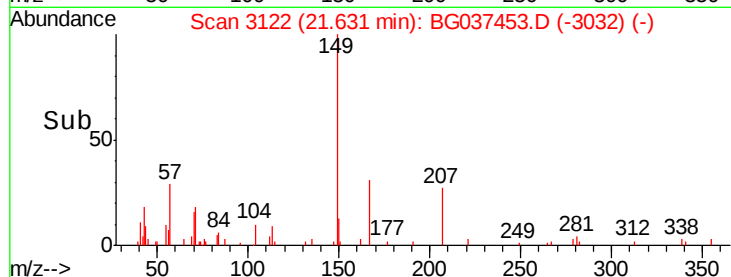
279 3.1 3.6 5.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.713 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

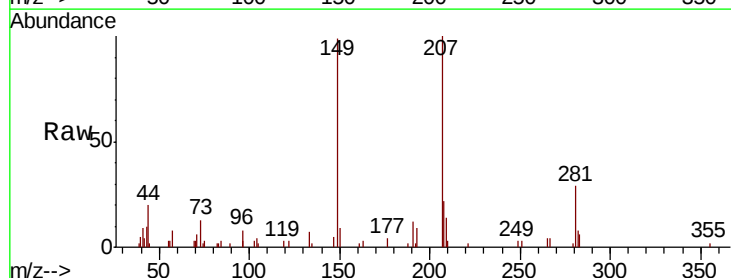
Tgt Ion:149 Resp: 16143

Ion Ratio Lower Upper

149 100

167 0.3 1.3 1.9#

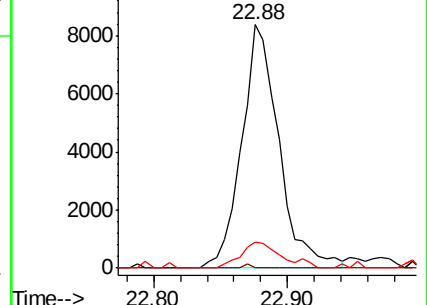
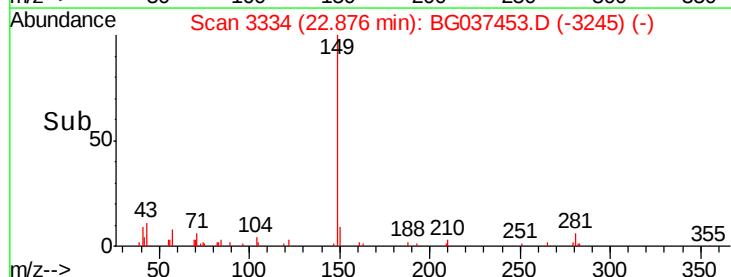
43 11.6 8.7 13.1

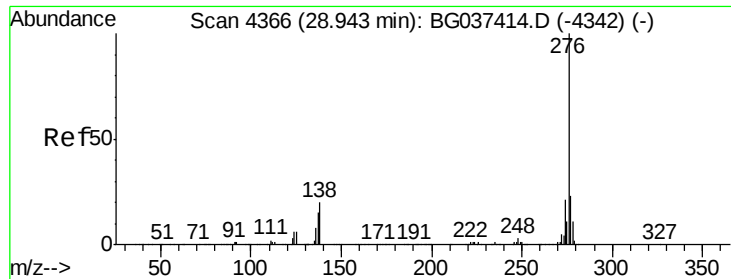


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

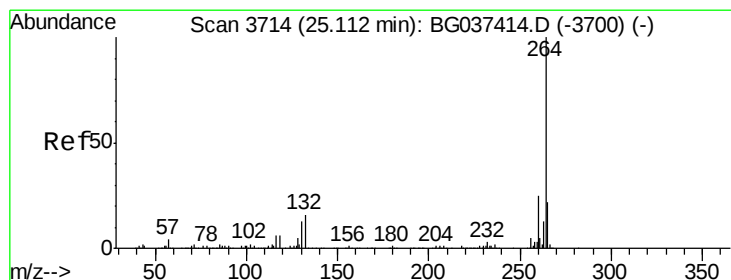
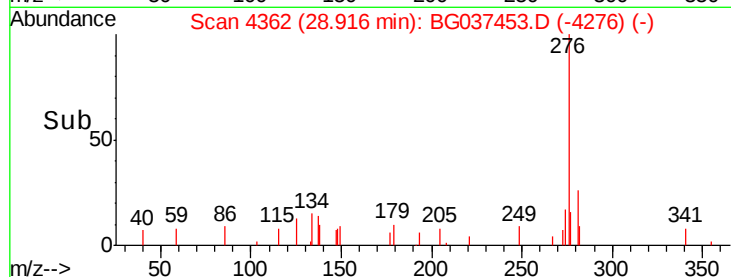
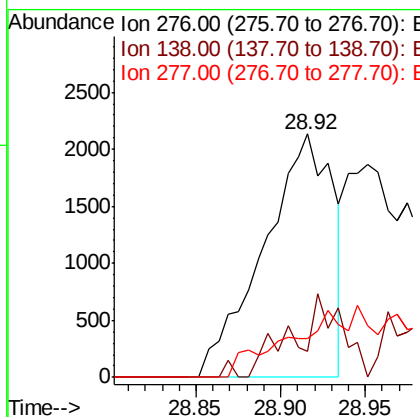
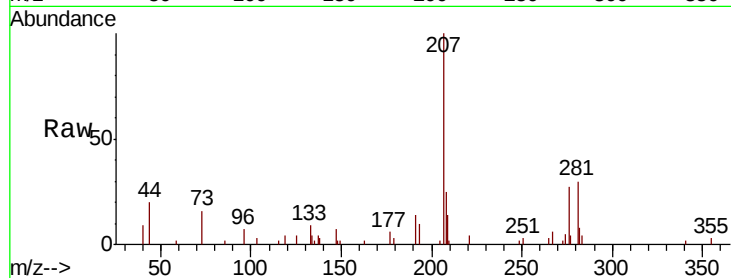




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.267 ng
 RT: 28.92 min Scan# 4362
 Delta R.T. -0.03 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

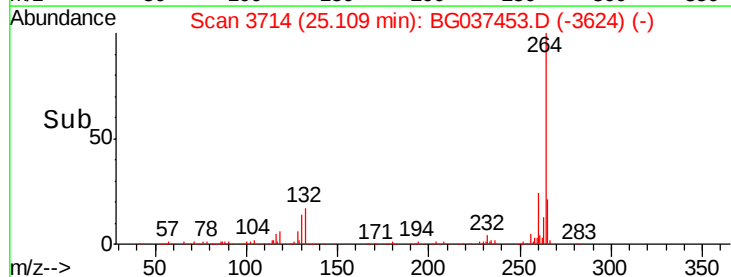
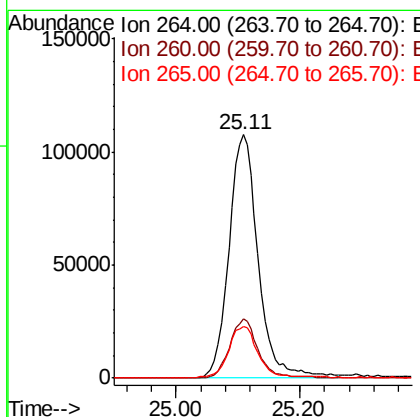
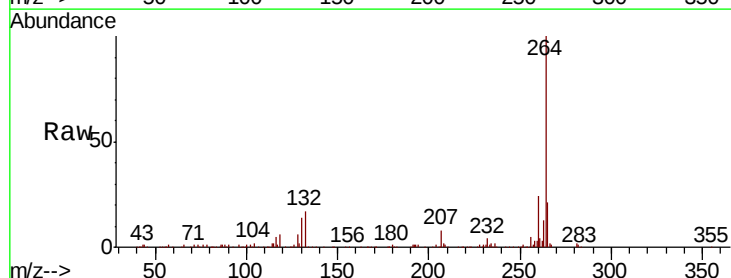
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

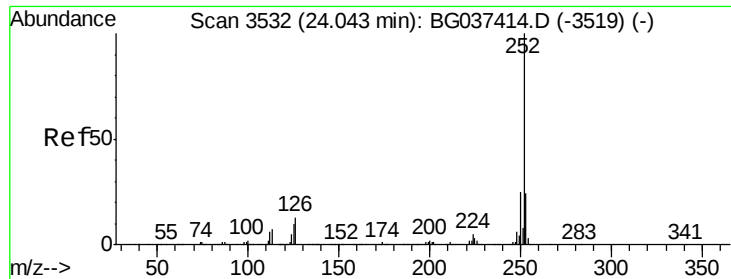
Tgt Ion: 276 Resp: 6043
 Ion Ratio Lower Upper
 276 100
 138 23.8 12.0 18.0#
 277 23.9 20.6 30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3714
 Delta R.T. -0.00 min
 Lab File: BG037453.D
 Acq: 19 Oct 2018 14:39

Tgt Ion: 264 Resp: 353842
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.2 27.4
 265 21.3 17.9 26.9

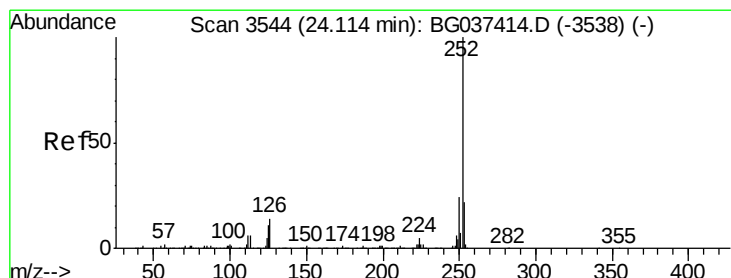
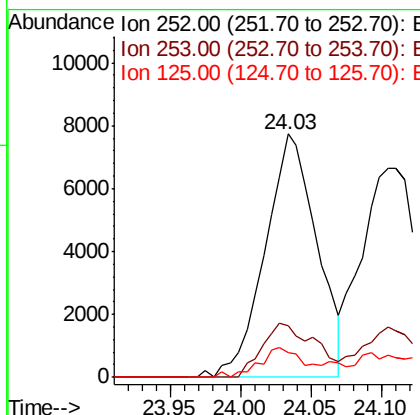
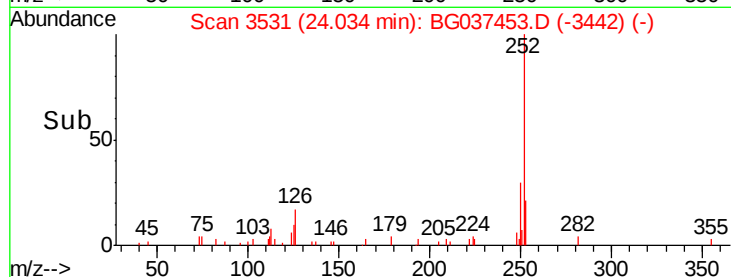
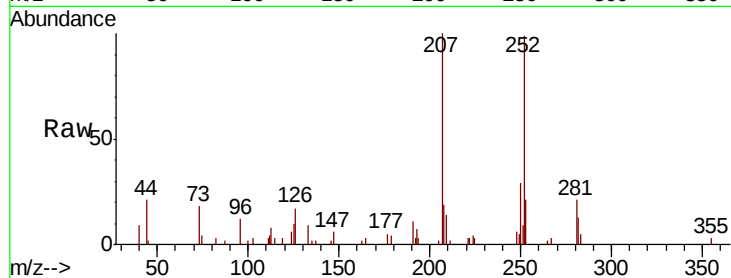




#88
Benzo(b)fluoranthene
Concen: 1.017 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

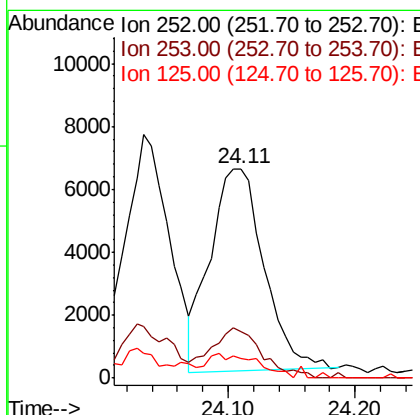
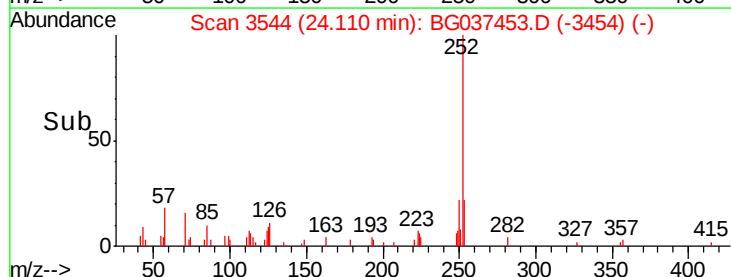
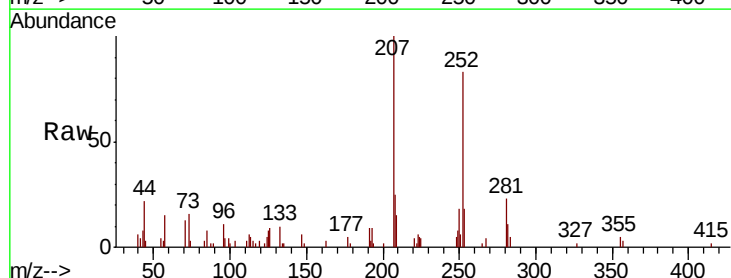
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

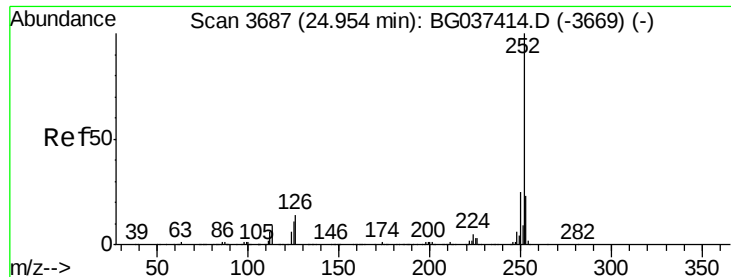
Tgt Ion: 252 Resp: 19722
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.2
125 10.0 7.8 11.6



#89
Benzo(k)fluoranthene
Concen: 1.000 ng
RT: 24.11 min Scan# 3544
Delta R.T. -0.00 min
Lab File: BG037453.D
Acq: 19 Oct 2018 14:39

Tgt Ion: 252 Resp: 19004
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 9.2 7.4 11.0





#90

Benzo(a)pyrene

Concen: 0.975 ng

RT: 24.94 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

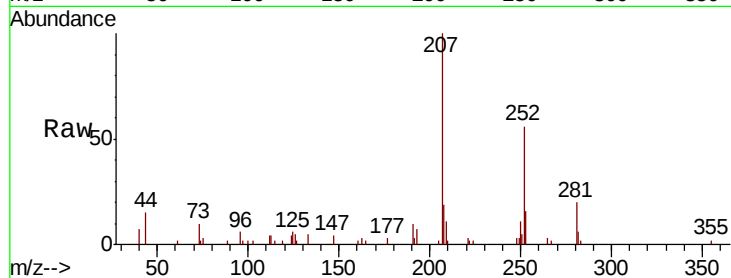
Tgt Ion:252 Resp: 17970

Ion Ratio Lower Upper

252 100

253 28.4 17.4 26.2#

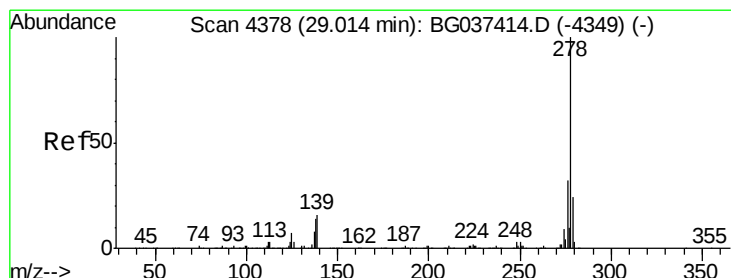
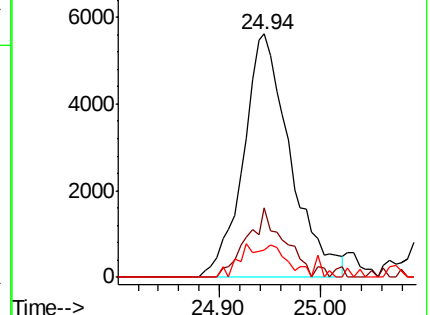
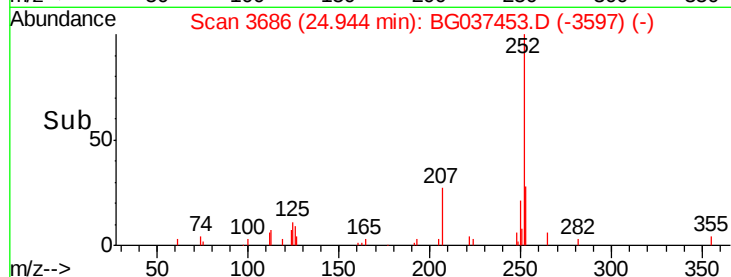
125 11.0 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 0.372 ng

RT: 29.00 min Scan# 4377

Delta R.T. -0.01 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

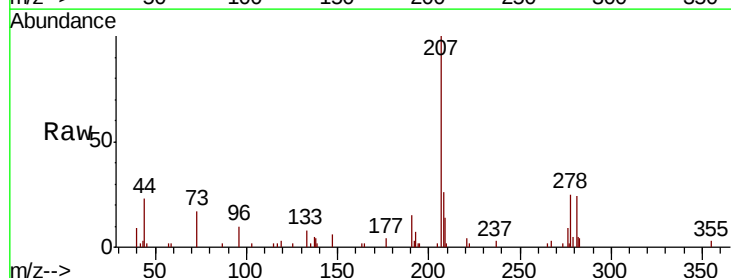
Tgt Ion:278 Resp: 6330

Ion Ratio Lower Upper

278 100

139 7.6 11.5 17.3#

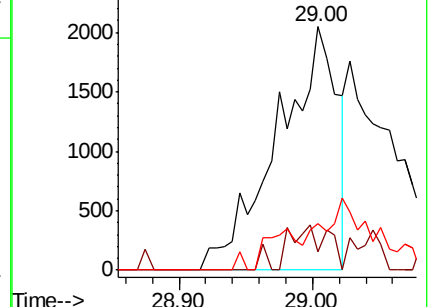
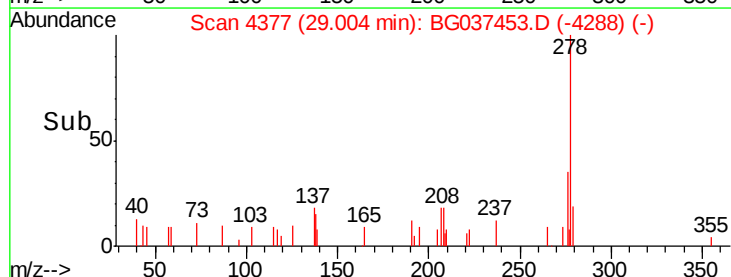
279 18.9 18.6 27.8

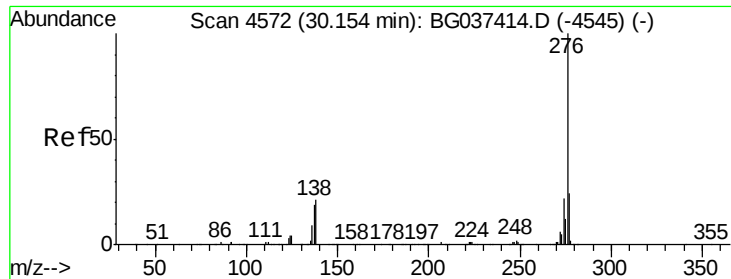


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.830 ng

RT: 30.13 min Scan# 4569

Delta R.T. -0.02 min

Lab File: BG037453.D

Acq: 19 Oct 2018 14:39

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 276 Resp: 14281

Ion Ratio Lower Upper

276 100

277 25.5 18.9 28.3

138 16.8 17.2 25.8#

