

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
 Data File : BG037427.D
 Acq On : 18 Oct 2018 19:55
 Operator : JU/SJ
 Sample : J5164-03
 Misc : MDL 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 19 06:59:48 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	53668	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	246727	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	165422	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	406766	20.00	ng	0.00
76) Chrysene-d12	21.77	240	374858	20.00	ng	0.00
87) Perylene-d12	25.11	264	364270	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	425681	132.61	ng	0.00
7) Phenol-d6	7.25	99	629441	129.67	ng	0.00
23) Nitrobenzene-d5	9.28	82	364031	82.65	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	246838	136.81	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	899174	81.97	ng	0.00
79) Terphenyl-d14	20.09	244	1372732	78.25	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.54	88	2854	1.753	ng	# 86
3) Pyridine	3.96	79	3949	0.962	ng	# 67
4) n-Nitrosodimethylamine	3.87	42	1969	1.347	ng	# 49
6) Aniline	7.43	93	3186	0.538	ng	# 86
8) 2-Chlorophenol	7.66	128	3965	1.056	ng	# 80
9) Benzaldehyde	7.25	77	3564	1.174	ng	# 84
10) Phenol	7.27	94	5622	1.098	ng	# 28
11) bis(2-Chloroethyl)ether	7.52	93	3796	0.976	ng	# 89
12) 1,3-Dichlorobenzene	7.99	146	4368	1.045	ng	# 87
13) 1,4-Dichlorobenzene	8.14	146	4248	0.993	ng	# 97
14) 1,2-Dichlorobenzene	8.46	146	3878	0.943	ng	# 90
15) Benzyl Alcohol	8.35	79	3344	0.932	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.63	45	6996	1.005	ng	# 84
17) 2-Methylphenol	8.53	107	3003	0.887	ng	# 76
18) Hexachloroethane	9.19	117	1073	0.736	ng	# 93
19) n-Nitroso-di-n-propylamine	8.91	70	2861	0.856	ng	# 86
20) 3+4-Methylphenols	8.87	107	4292	0.887	ng	# 95
22) Acetophenone	8.94	105	6297	1.018	ng	# 91
24) Nitrobenzene	9.33	77	4886	1.068	ng	# 86
25) Isophorone	9.84	82	8491	1.055	ng	# 95
26) 2-Nitrophenol	10.04	139	1535	0.745	ng	# 88
27) 2,4-Dimethylphenol	10.08	122	3534	0.960	ng	# 83
28) bis(2-Chloroethoxy)methane	10.33	93	5326	1.010	ng	# 87
29) 2,4-Dichlorophenol	10.56	162	3317	0.809	ng	# 83
30) 1,2,4-Trichlorobenzene	10.79	180	4507	1.011	ng	# 95
31) Naphthalene	10.98	128	13811	1.140	ng	# 95
32) Benzoic acid	10.08	122	3534	1.478	ng	# 10
33) 4-Chloroaniline	11.09	127	3308	0.581	ng	# 92
34) Hexachlorobutadiene	11.25	225	2483	0.940	ng	# 86
35) Caprolactam	11.91	113	88	0.054	ng	# 5
36) 4-Chloro-3-methylphenol	12.19	107	3738	0.809	ng	# 97
37) 2-Methylnaphthalene	12.57	142	10244	1.160	ng	# 86
38) 1-Methylnaphthalene	12.79	142	10146	1.183	ng	# 96
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	5241	0.982	ng	# 97

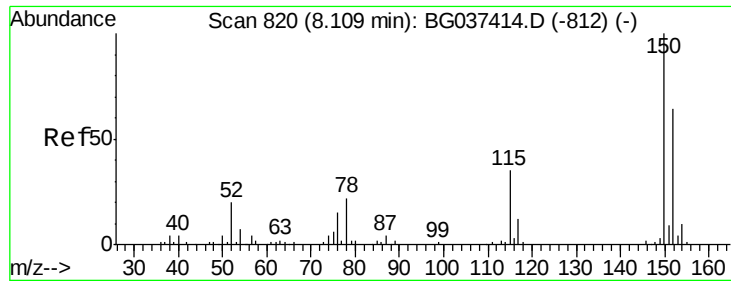
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	2034	0.798	nq	87
43) 2,4,6-Trichlorophenol	13.17	196	2980	0.836	nq #	93
44) 2,4,5-Trichlorophenol	13.24	196	2968	0.765	nq #	95
46) 1,1'-Biphenyl	13.58	154	14823	1.082	nq	99
47) 2-Chloronaphthalene	13.63	162	10706	1.033	nq	92
48) 2-Nitroaniline	13.83	65	2418	0.769	nq	93
49) Acenaphthylene	14.47	152	17008	1.091	nq #	93
50) Dimethylphthalate	14.18	163	13436	1.050	nq #	95
51) 2,6-Dinitrotoluene	14.32	165	2219	0.784	nq #	83
52) Acenaphthene	14.80	154	10492	1.093	nq	94
53) 3-Nitroaniline	14.65	138	2122	0.675	nq	86
55) Dibenzofuran	15.14	168	17959	1.129	nq	95
56) 4-Nitrophenol	14.94	139	504	0.217	nq #	62
57) 2,4-Dinitrotoluene	15.09	165	2321	0.625	nq #	95
58) Fluorene	15.78	166	13491	1.132	nq #	97
59) 2,3,4,6-Tetrachlorophenol	15.35	232	2393	0.720	nq #	93
60) Diethylphthalate	15.54	149	13076	0.995	nq	100
61) 4-Chlorophenyl-phenylether	15.77	204	6697	0.964	nq	92
62) 4-Nitroaniline	15.80	138	1789	0.573	nq	86
63) Azobenzene	16.06	77	12187	0.972	nq	97
65) 4,6-Dinitro-2-methylphenol	16.22	198	621	8.747	nq #	74
66) n-Nitrosodiphenylamine	15.99	169	11085	0.906	nq #	85
67) 4-Bromophenyl-phenylether	16.67	248	4459	0.998	nq	90
68) Hexachlorobenzene	16.78	284	4492	0.970	nq	90
69) Atrazine	16.92	200	3731	0.843	nq	93
70) Pentachlorophenol	17.12	266	460	0.148	nq #	42
71) Phenanthrene	17.53	178	24326	1.177	nq	98
72) Anthracene	17.62	178	22233	1.096	nq	99
73) Carbazole	17.89	167	18051	0.889	nq	94
74) Di-n-butylphthalate	18.43	149	19766	0.876	nq #	97
75) Fluoranthene	19.53	202	25306	1.079	nq	97
77) Benzidine	19.72	184	1747	0.137	nq #	85
78) Pyrene	19.90	202	25074	1.023	nq	97
80) Butylbenzylphthalate	20.77	149	7591	0.757	nq	94
81) Benzo(a)anthracene	21.75	228	23990	1.082	nq	95
82) 3,3'-Dichlorobenzidine	21.66	252	4328	0.504	nq	96
83) Chrysene	21.82	228	22466	1.054	nq	96
84) Bis(2-ethylhexyl)phthalate	21.63	149	10515	0.748	nq	97
85) Di-n-octyl phthalate	22.88	149	15338	0.669	nq	95
86) Indeno(1,2,3-cd)pyrene	28.91	276	11710	0.512	nq #	66
88) Benzo(b)fluoranthene	24.03	252	20901	1.047	nq	96
89) Benzo(k)fluoranthene	24.03	252	20901	1.068	nq	97
90) Benzo(a)pyrene	24.94	252	18310	0.965	nq	98
91) Dibenzo(a,h)anthracene	29.00	278	11361	0.649	nq #	90
92) Benzo(g,h,i)perylene	30.11	276	15439	0.872	nq #	88

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

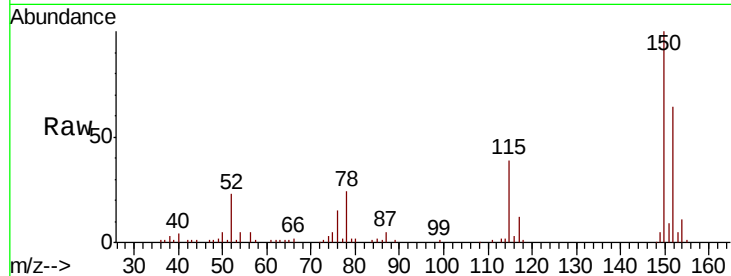


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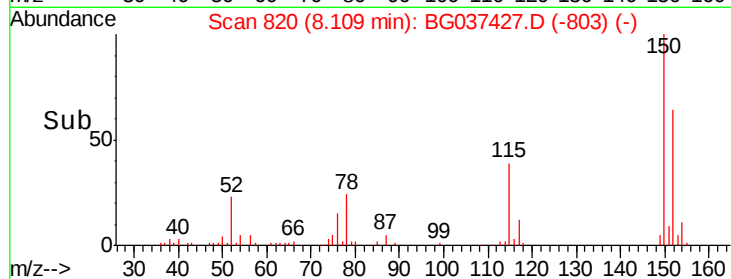
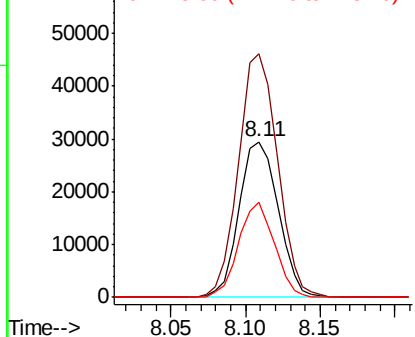
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion:152 Resp: 53668
Ion Ratio Lower Upper
152 100
150 156.8 126.0 189.0
115 61.1 45.5 68.3



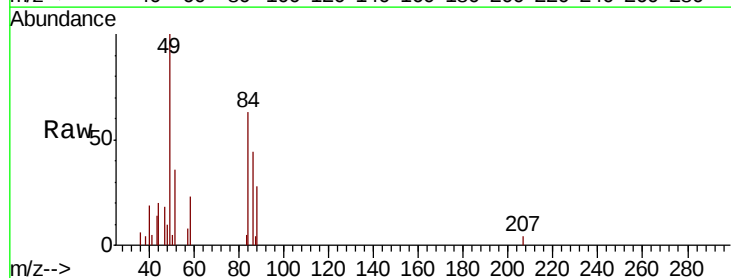
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



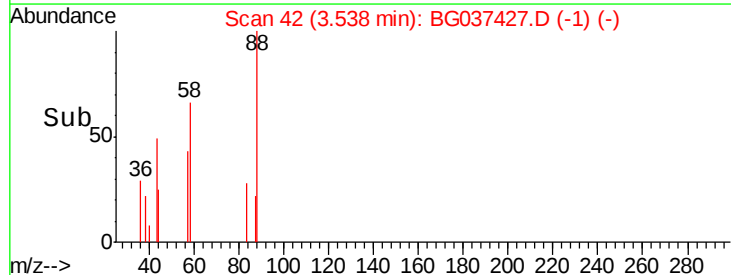
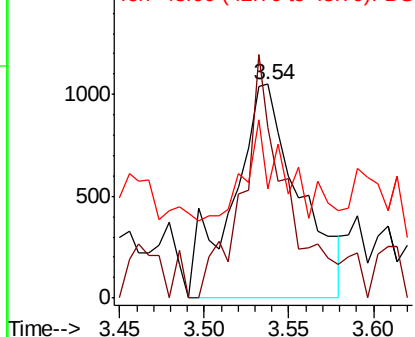
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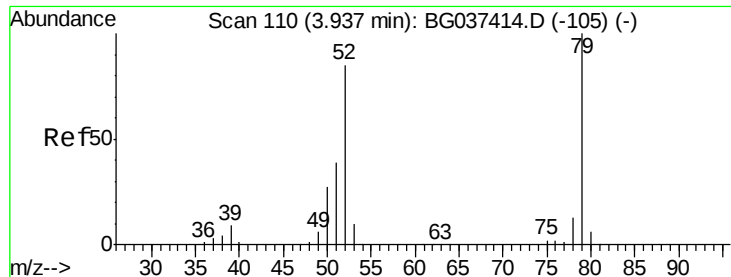
1,4-Dioxane
Concen: 1.753 ng
RT: 3.54 min Scan# 42
Delta R.T. 0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion: 88 Resp: 2854
Ion Ratio Lower Upper
88 100
58 79.5 74.4 111.6
43 24.0 25.8 38.8#



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





#3

Pvridine

Concen: 0.962 ng

RT: 3.96 min Scan# 114

Delta R.T. 0.02 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

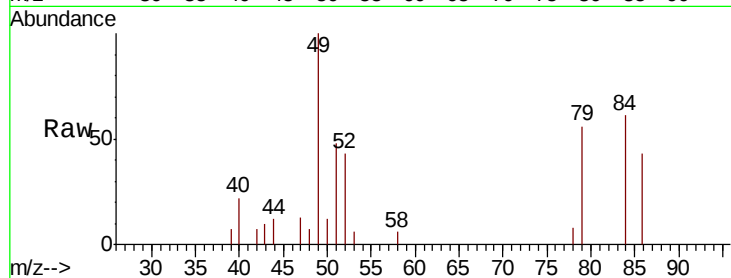
Tot Ion: 79 Resp: 3949

Ion Ratio Lower Upper

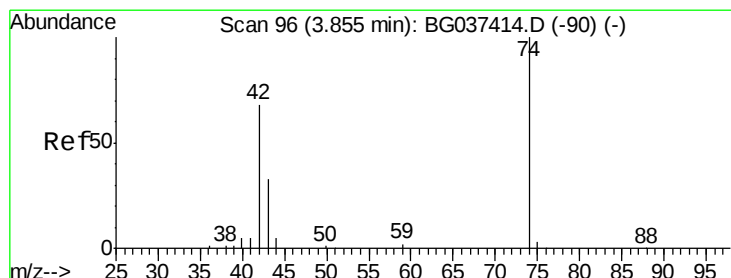
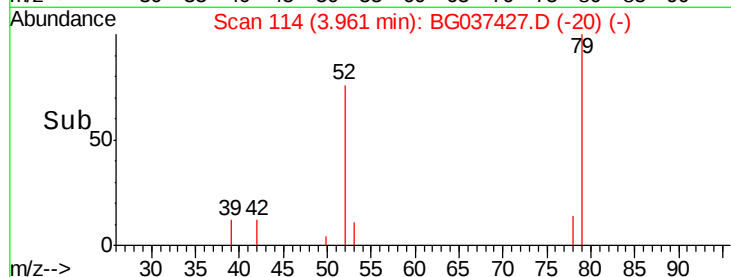
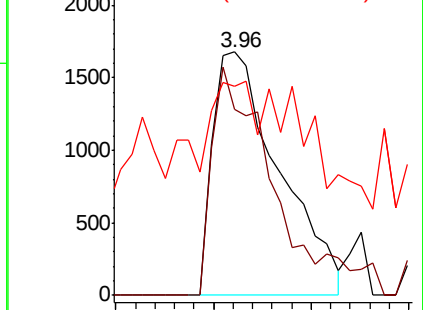
79 100

52 76.3 74.2 111.2

51 86.0 34.6 51.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 1.347 ng

RT: 3.87 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

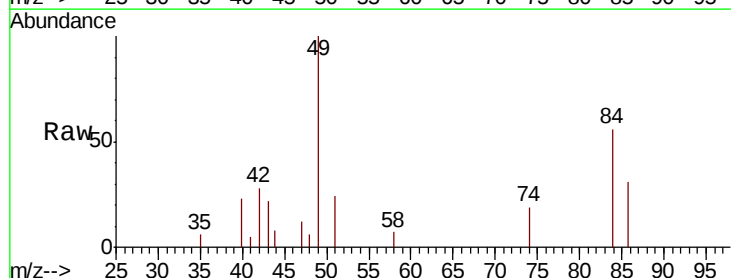
Tgt Ion: 42 Resp: 1969

Ion Ratio Lower Upper

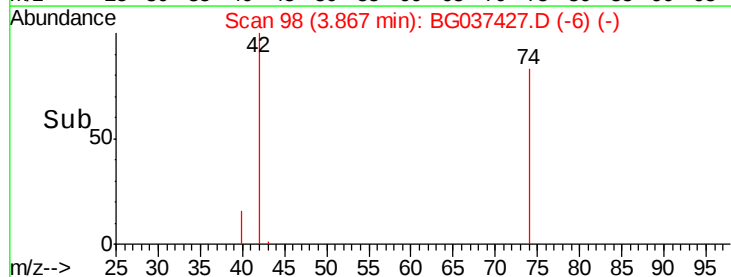
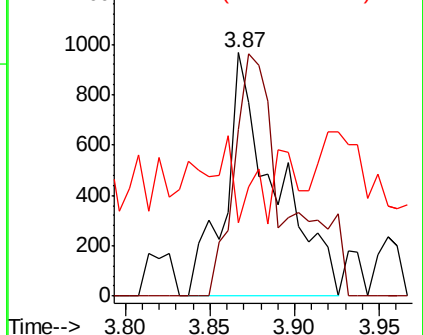
42 100

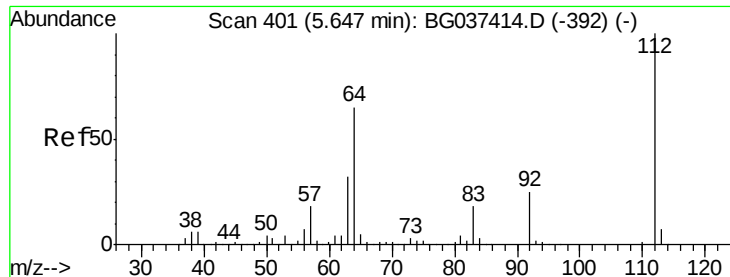
74 68.8 102.0 153.0#

44 29.9 9.6 14.4#



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





#5

2-Fluorophenol

Concen: 132.607 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

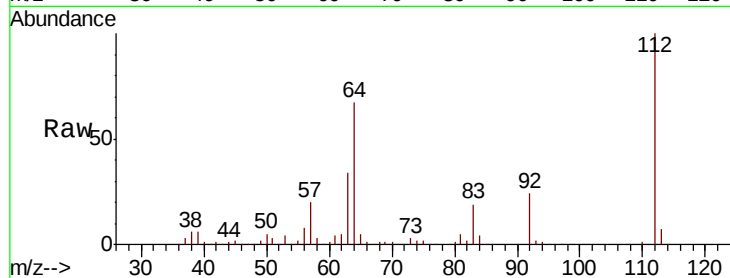
Tot Ion:112 Resp: 425681

Ion Ratio Lower Upper

112 100

64 66.6 53.1 79.7

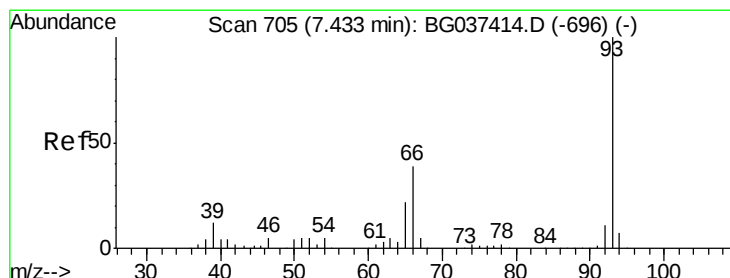
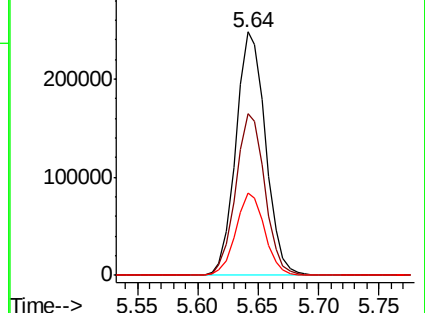
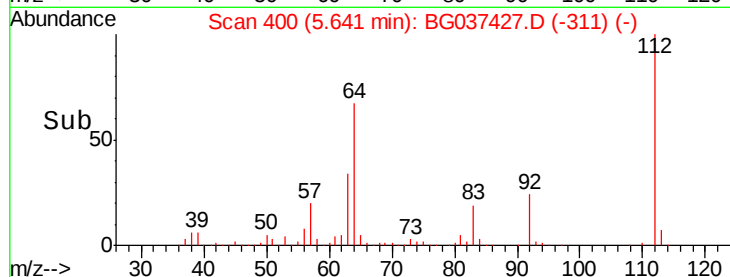
63 33.8 27.3 40.9



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: 0.538 ng

RT: 7.43 min Scan# 705

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

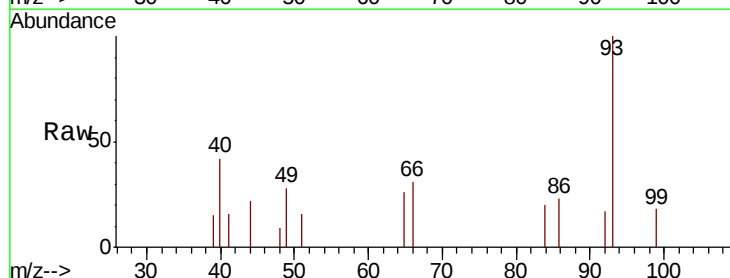
Tgt Ion: 93 Resp: 3186

Ion Ratio Lower Upper

93 100

66 31.4 32.8 49.2#

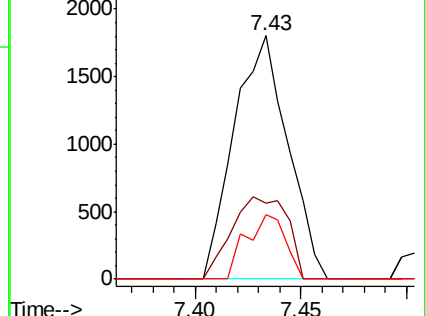
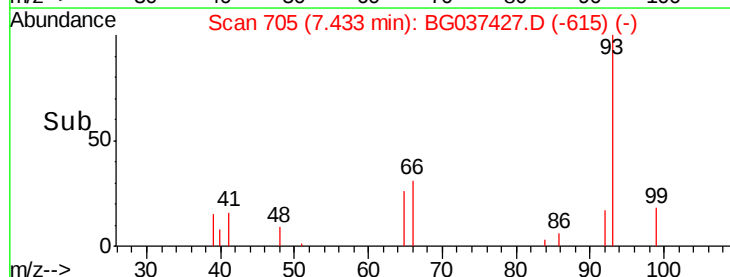
65 26.3 16.4 24.6#

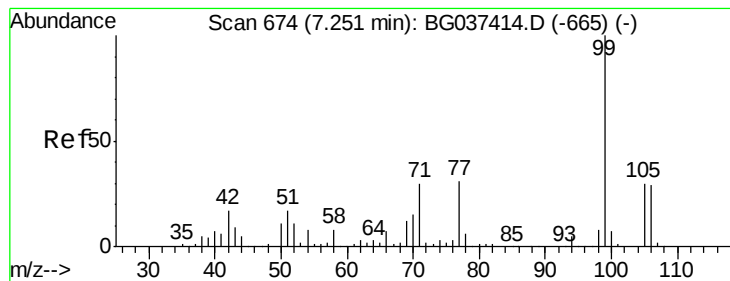


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 129.673 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

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ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

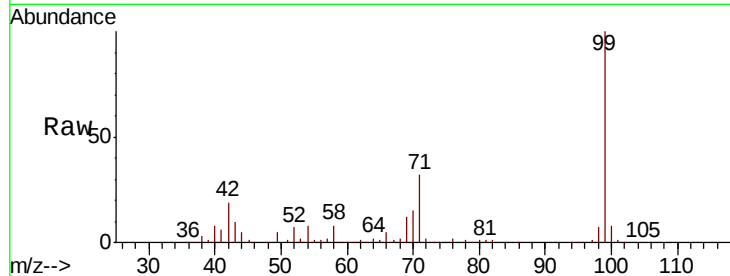
Tot Ion: 99 Resp: 629441

Ion Ratio Lower Upper

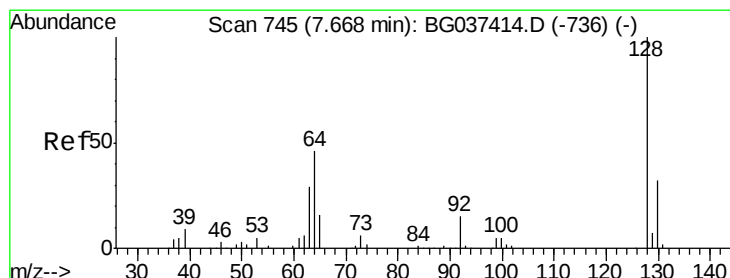
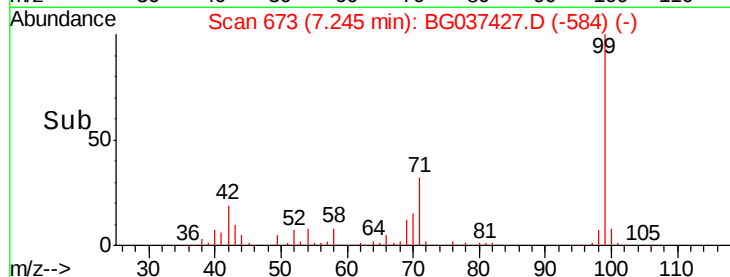
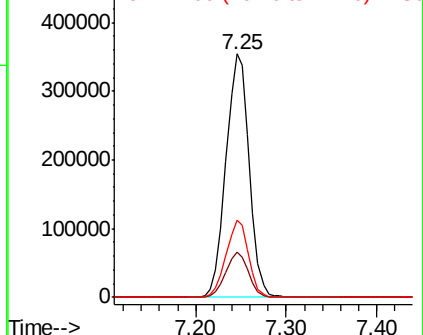
99 100

42 18.6 15.0 22.4

71 31.9 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: 1.056 ng

RT: 7.66 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

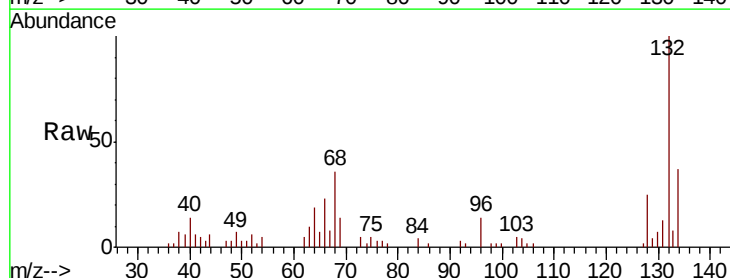
Tgt Ion: 128 Resp: 3965

Ion Ratio Lower Upper

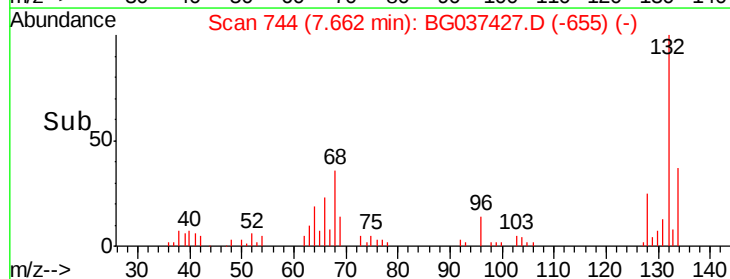
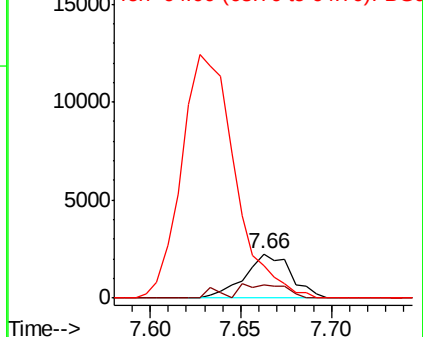
128 100

130 29.4 12.0 52.0

64 74.1 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: 1.174 ng

RT: 7.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

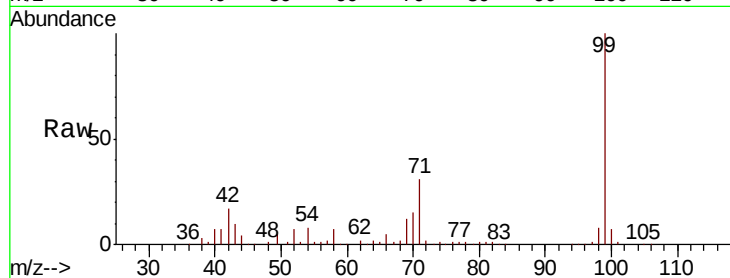
Tot Ion: 77 Resp: 3564

Ion Ratio Lower Upper

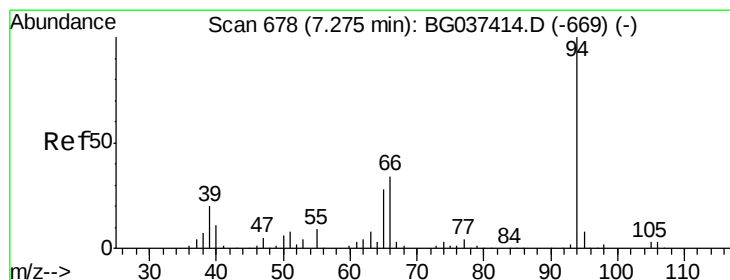
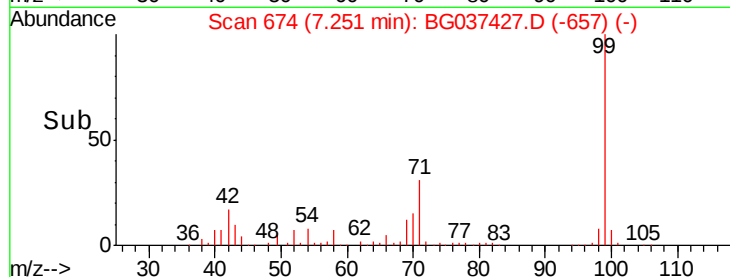
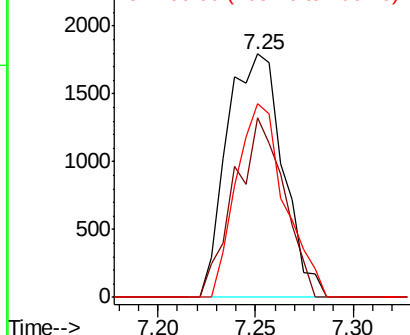
77 100

105 73.9 72.6 112.6

106 79.3 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: 1.098 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

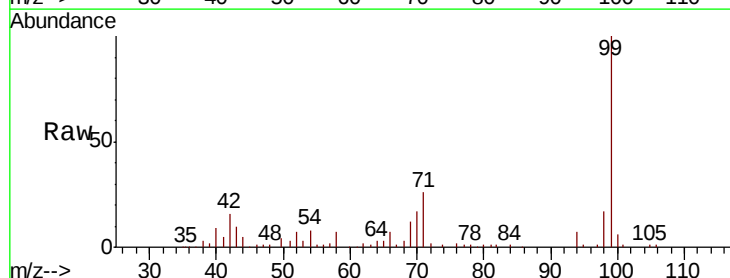
Tgt Ion: 94 Resp: 5622

Ion Ratio Lower Upper

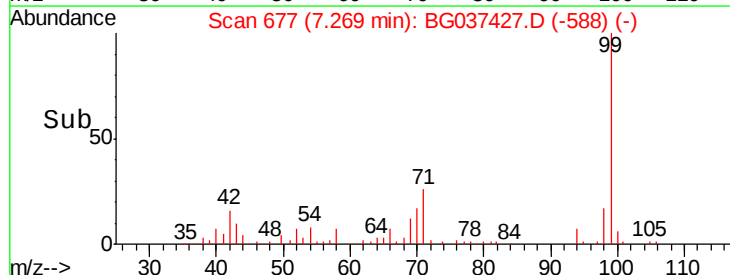
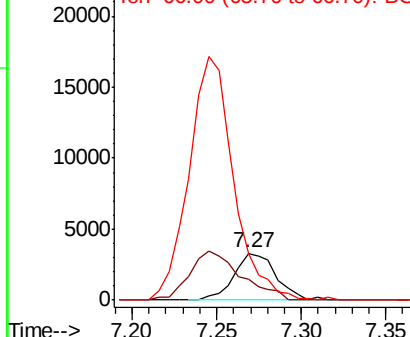
94 100

65 44.2 9.7 49.7

66 100.6 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

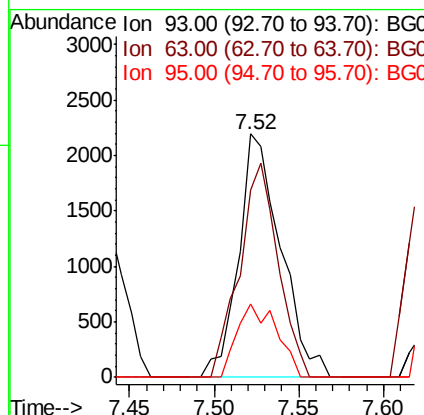
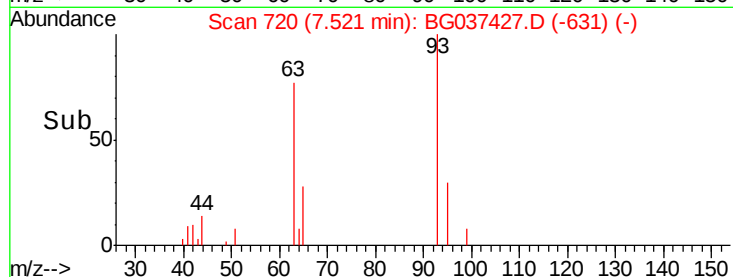
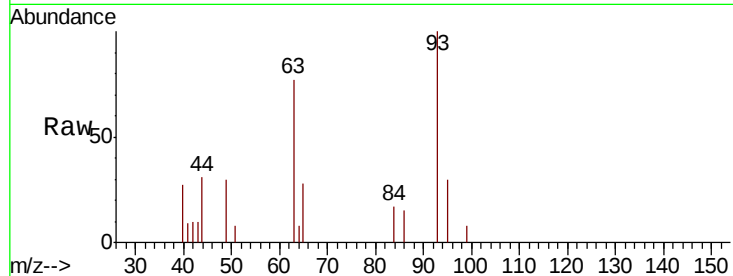




#11
 bis(2-Chloroethyl)ether
 Concen: 0.976 ng
 RT: 7.52 min Scan# 720
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

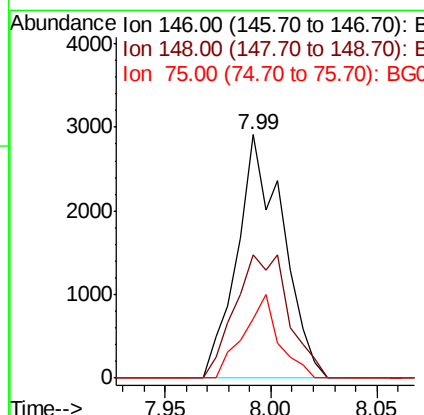
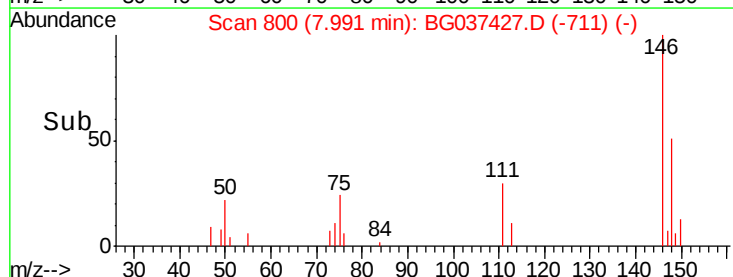
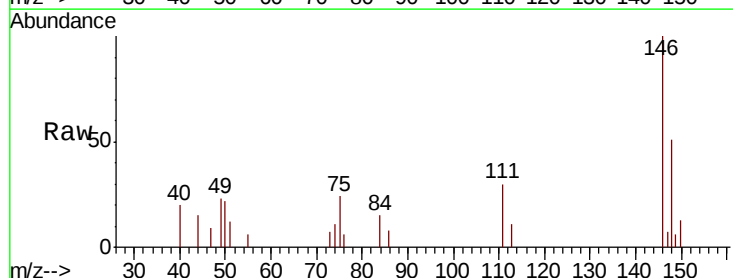
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:	93	Resp:	3796
Ion	Ratio	Lower	Upper
93	100		
63	77.0	69.5	109.5
95	30.4	12.6	52.6



#12
 1,3-Dichlorobenzene
 Concen: 1.045 ng
 RT: 7.99 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:	146	Resp:	4368
Ion	Ratio	Lower	Upper
146	100		
148	50.9	49.8	74.8
75	24.4	23.2	34.8

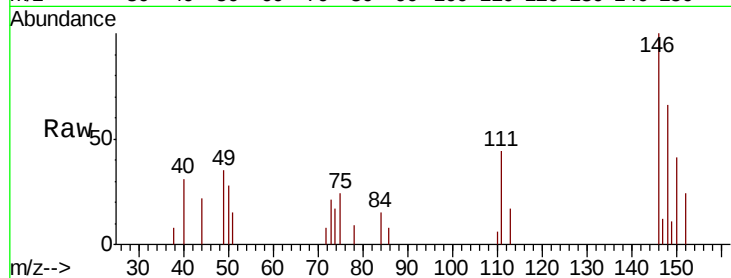




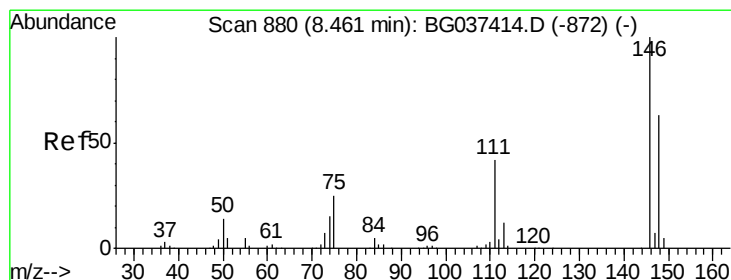
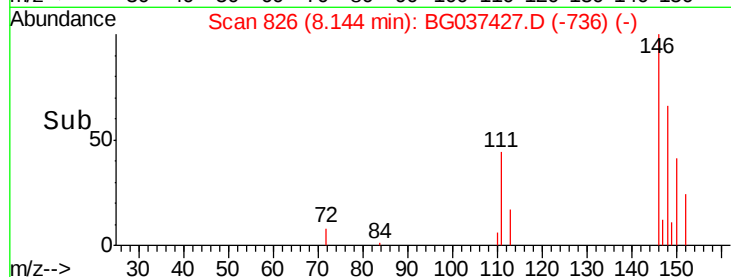
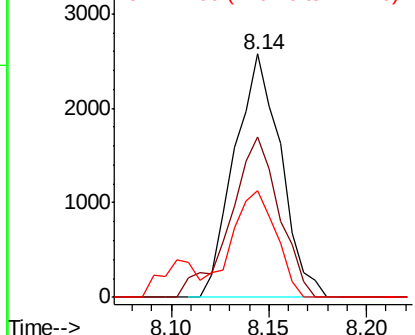
#13
 1,4-Dichlorobenzene
 Concen: 0.993 ng
 RT: 8.14 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion:146 Resp: 4248
 Ion Ratio Lower Upper
 146 100
 148 65.8 51.0 76.6
 111 43.6 32.4 48.6

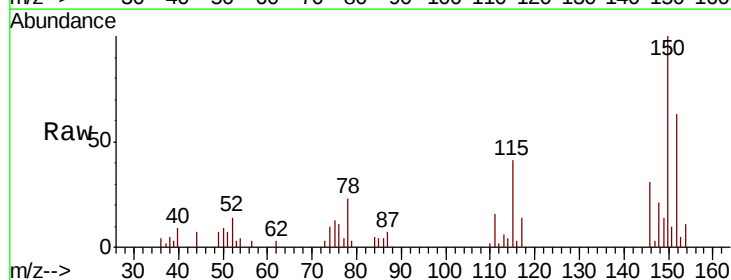


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

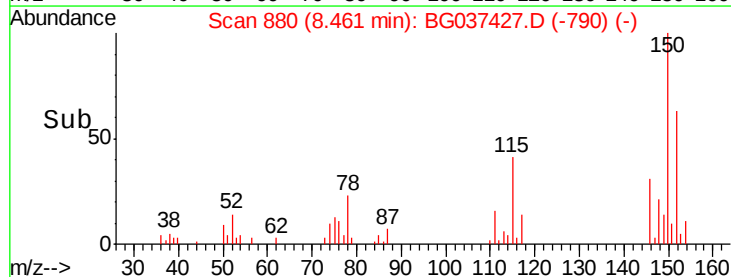
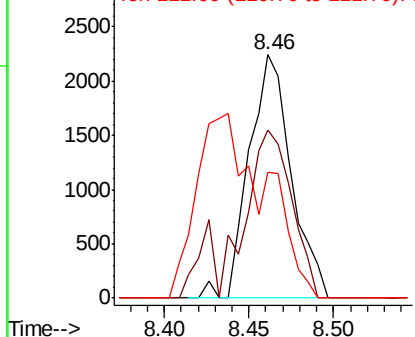


#14
 1,2-Dichlorobenzene
 Concen: 0.943 ng
 RT: 8.46 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:146 Resp: 3878
 Ion Ratio Lower Upper
 146 100
 148 68.9 50.4 75.6
 111 51.5 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: 0.932 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

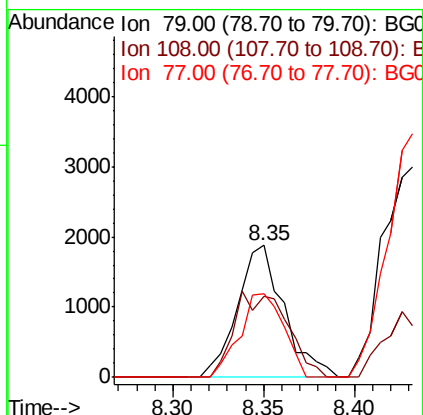
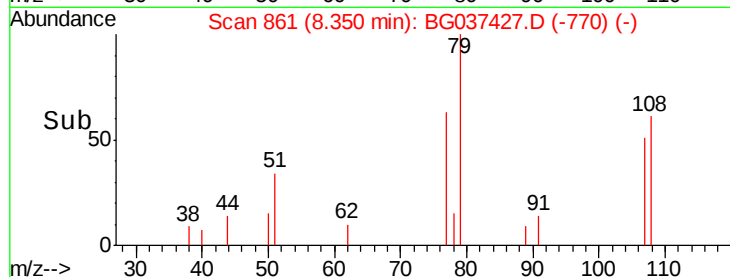
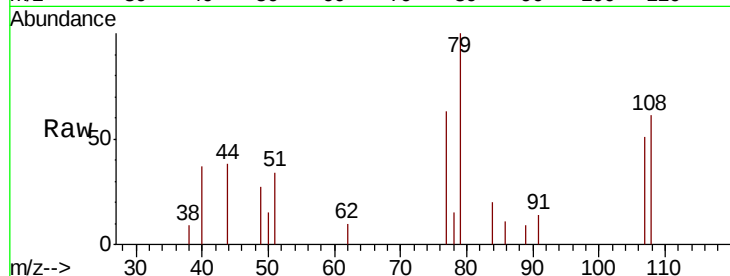
Tot Ion: 79 Resp: 3344

Ion Ratio Lower Upper

79 100

108 61.0 65.8 98.8#

77 62.9 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 1.005 ng

RT: 8.63 min Scan# 908

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

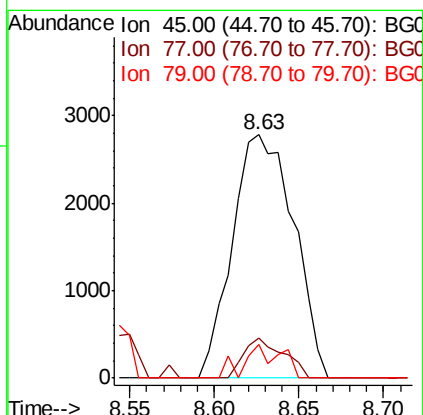
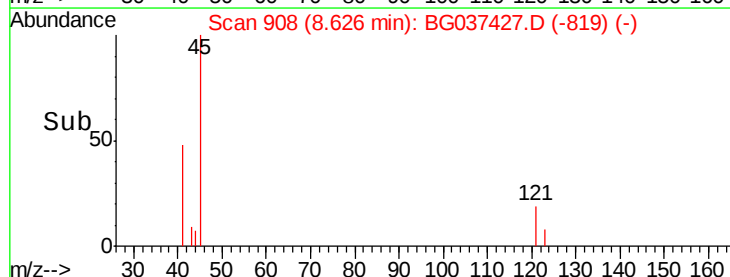
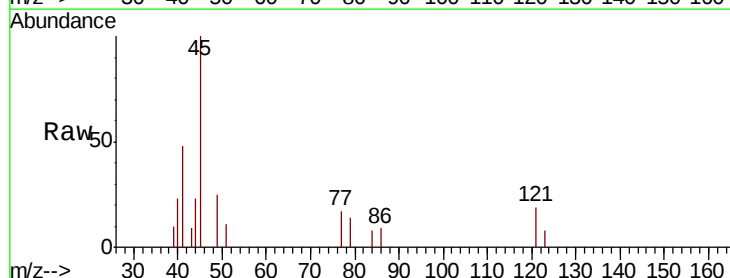
Tgt Ion: 45 Resp: 6996

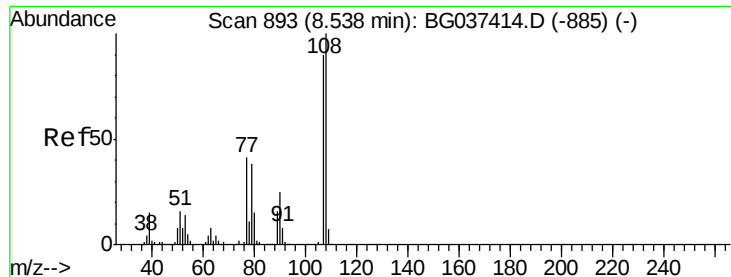
Ion Ratio Lower Upper

45 100

77 16.7 0.0 30.0

79 14.1 0.0 29.0





#17

2-Methylphenol

Concen: 0.887 ng

RT: 8.53 min Scan# 892

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion:107 Resp: 3003

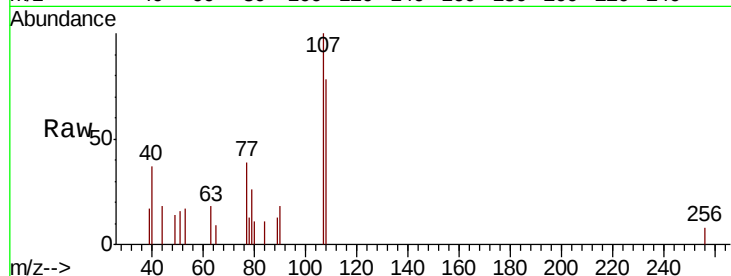
Ion Ratio Lower Upper

107 100

108 78.5 87.9 131.9#

77 38.5 35.1 52.7

79 26.4 34.5 51.7#



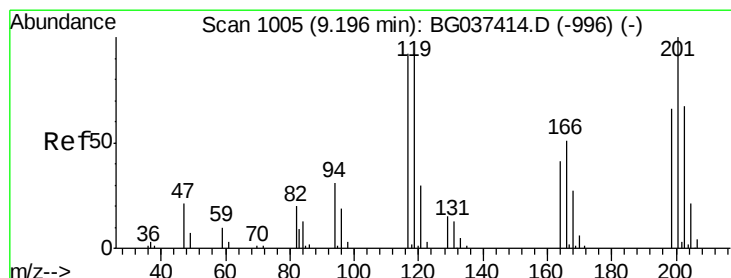
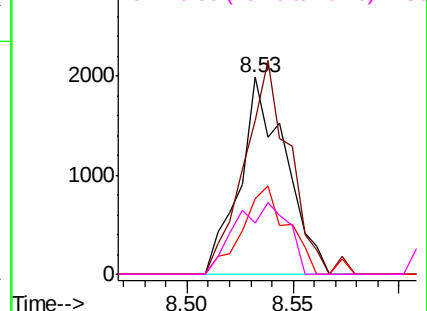
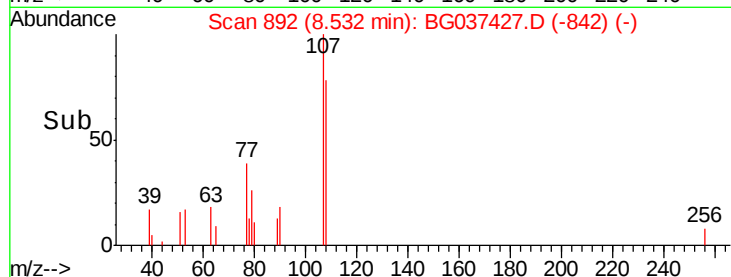
Abundance

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: 0.736 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

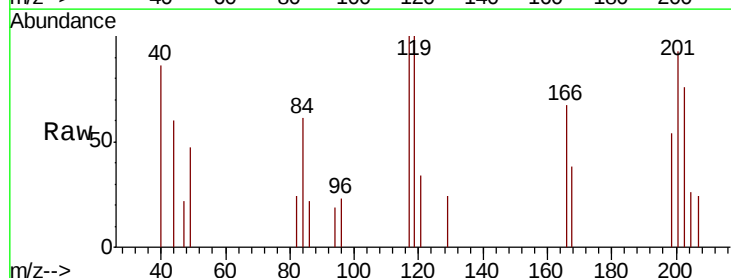
Tgt Ion:117 Resp: 1073

Ion Ratio Lower Upper

117 100

119 99.9 74.6 111.8

201 93.0 80.8 121.2

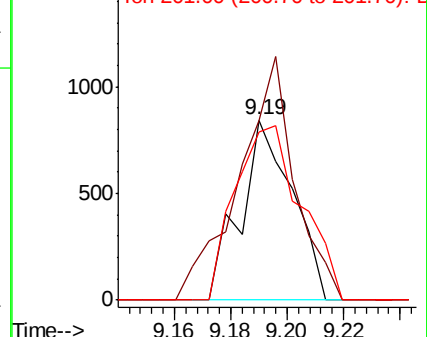
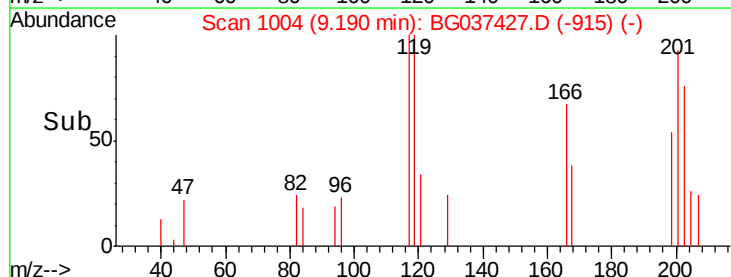


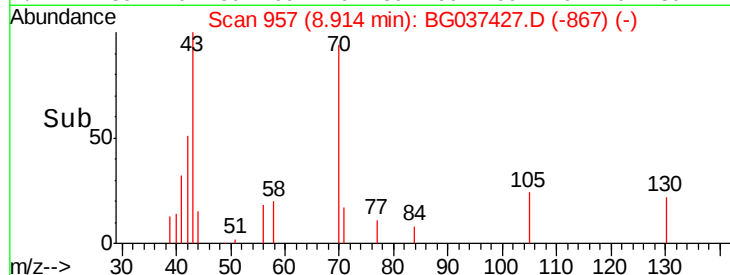
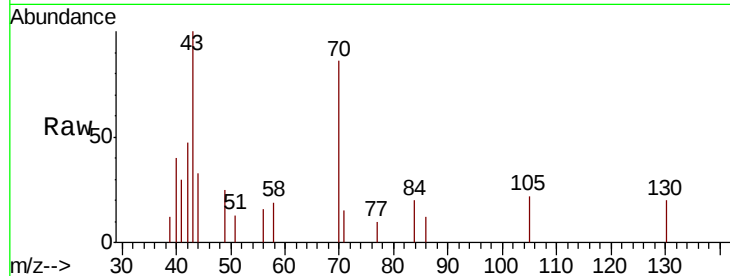
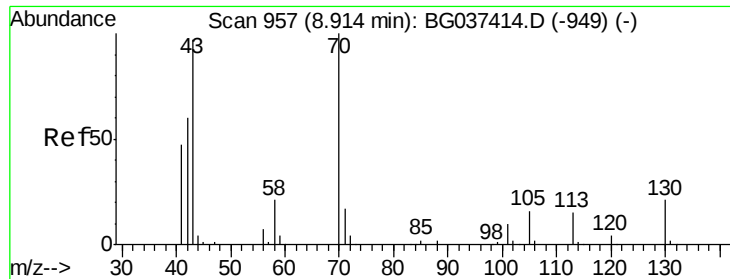
Abundance

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

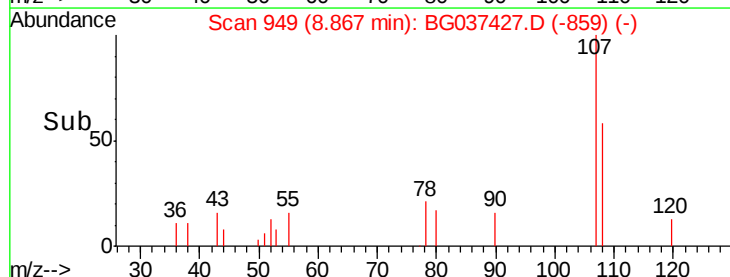
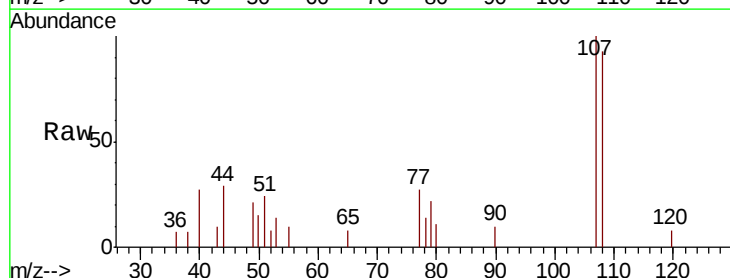
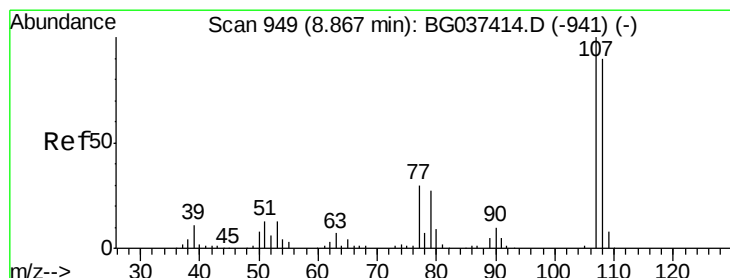
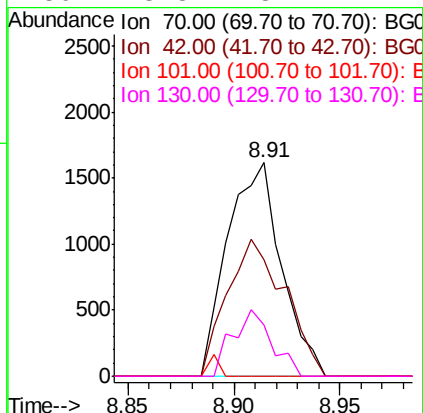




#19
n-Nitroso-di-n-propylamine
Concen: 0.856 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

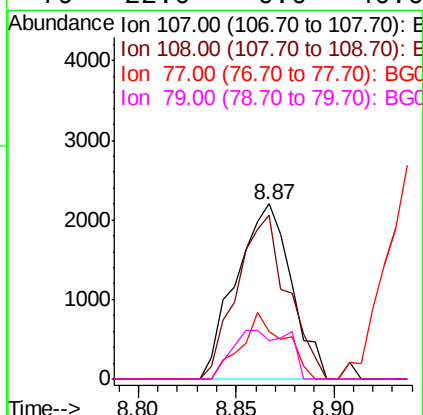
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

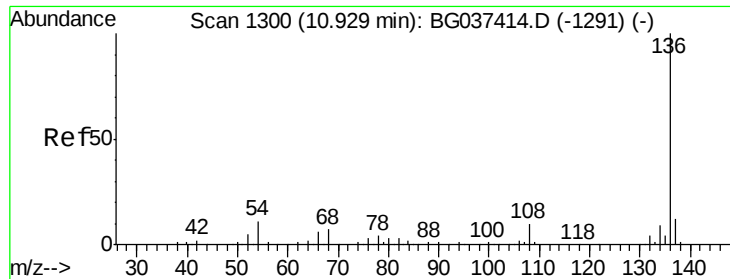
Tot Ion:	70	Resp:	2861
Ion	Ratio	Lower	Upper
70	100		
42	54.2	53.9	80.9
101	0.0	8.2	12.2#
130	23.8	18.2	27.4



#20
3+4-Methylphenols
Concen: 0.887 ng
RT: 8.87 min Scan# 949
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:	107	Resp:	4292
Ion	Ratio	Lower	Upper
107	100		
108	93.3	69.9	109.9
77	27.1	11.2	51.2
79	22.0	6.6	46.6

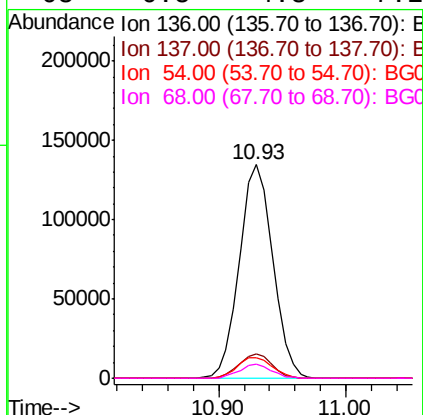
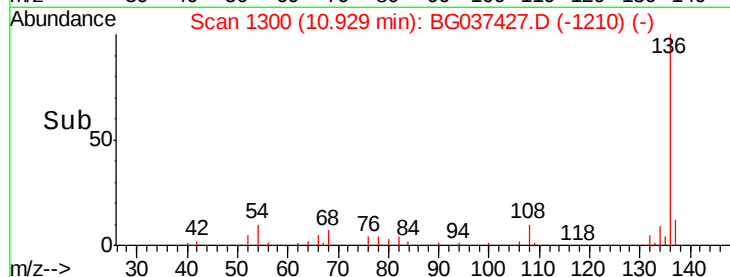
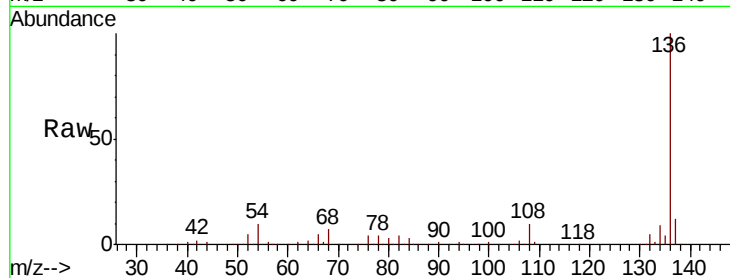




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

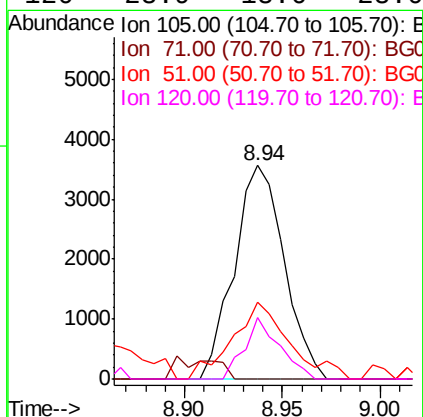
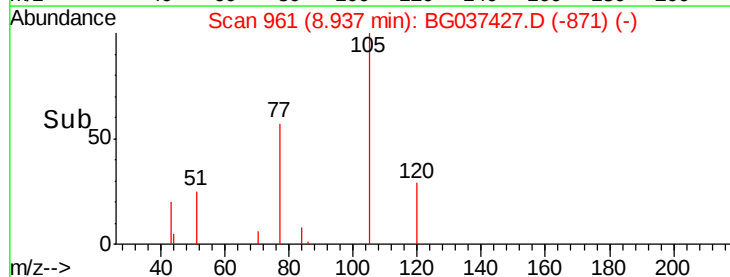
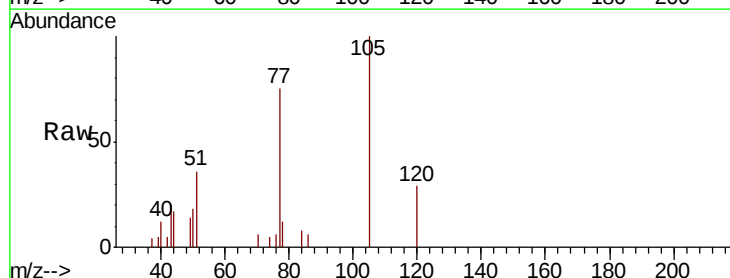
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:136	Resp:	246727
Ion	Ratio	Lower Upper
136	100	
137	11.7	9.6 14.4
54	9.5	7.9 11.9
68	6.5	4.8 7.2



#22
Acetophenone
Concen: 1.018 ng
RT: 8.94 min Scan# 961
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:105	Resp:	6297
Ion	Ratio	Lower Upper
105	100	
71	0.0	1.2 1.8#
51	35.7	25.0 37.6
120	28.9	18.6 28.0#

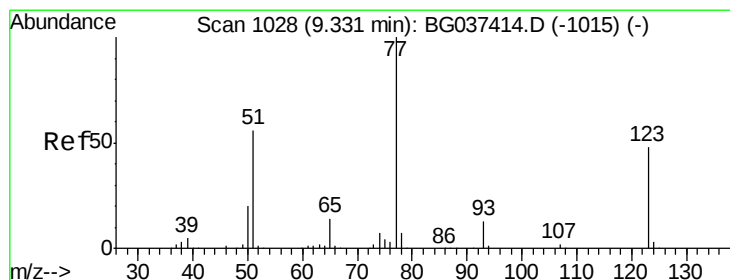
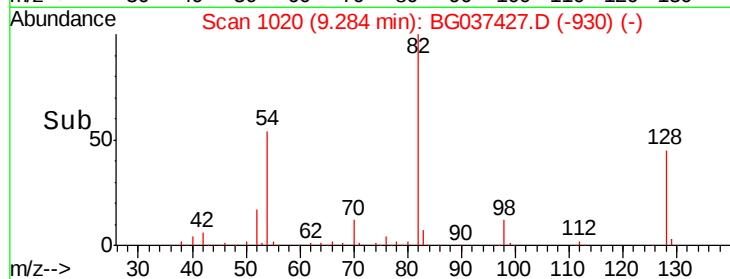
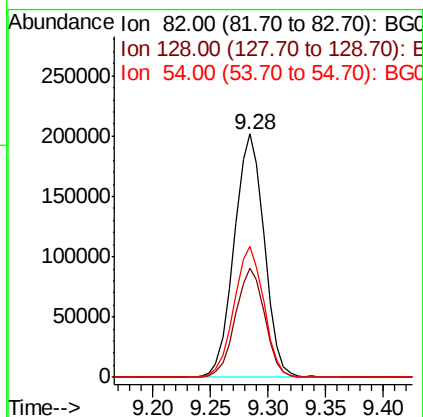
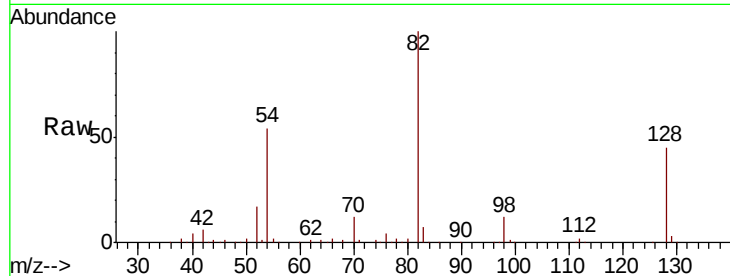




#23
 Nitrobenzene-d5
 Concen: 82.653 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

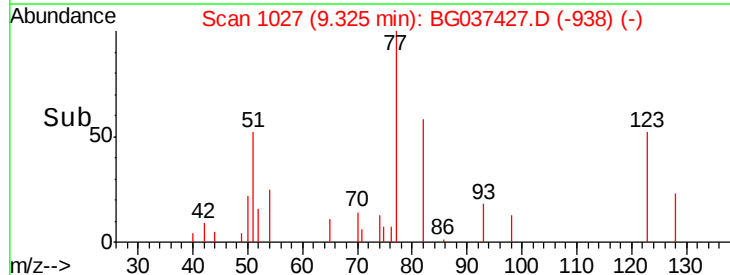
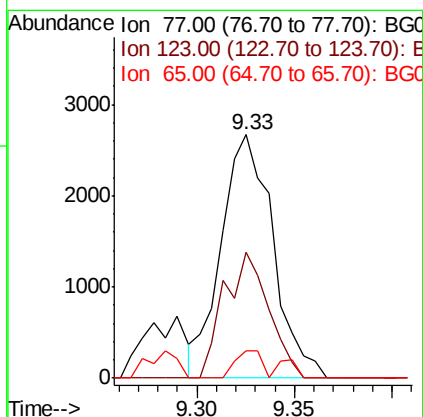
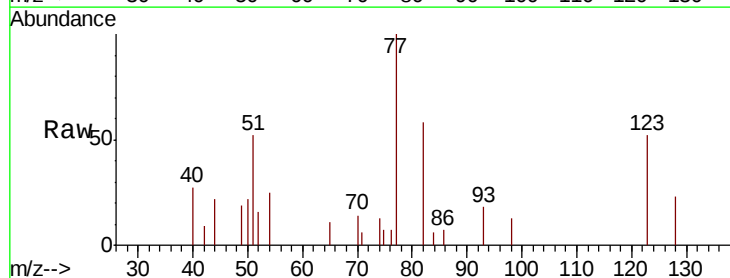
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 82 Resp: 364031
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.6 51.8
 54 53.6 45.3 67.9



#24
 Nitrobenzene
 Concen: 1.068 ng
 RT: 9.33 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion: 77 Resp: 4886
 Ion Ratio Lower Upper
 77 100
 123 51.9 33.6 50.4#
 65 11.0 11.3 16.9#





#25

Isophorone

Concen: 1.055 ng

RT: 9.84 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

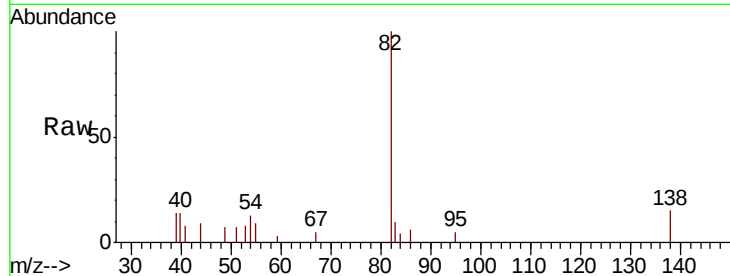
Tot Ion: 82 Resp: 8491

Ion Ratio Lower Upper

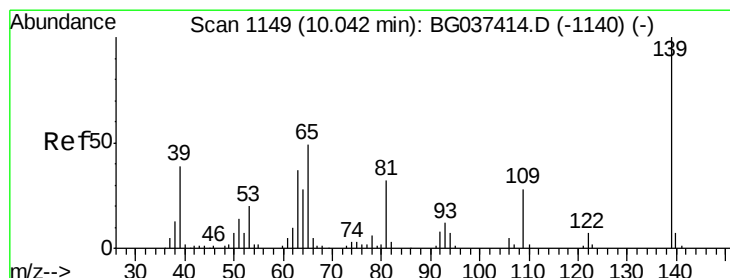
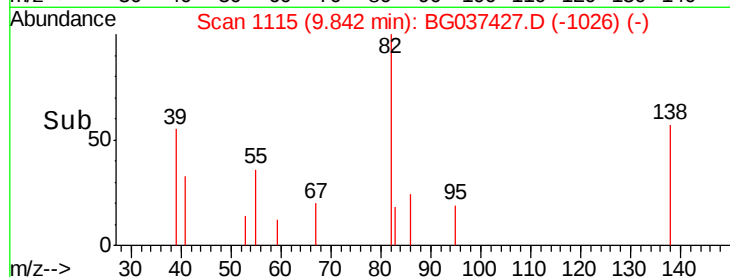
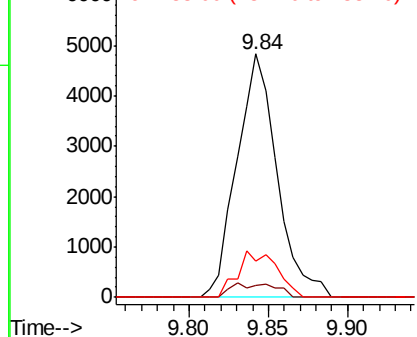
82 100

95 4.8 5.3 7.9#

138 14.7 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: 0.745 ng

RT: 10.04 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

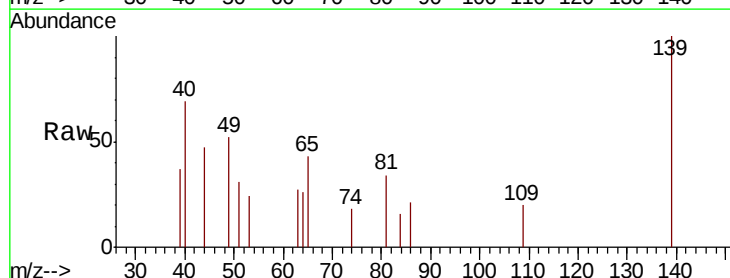
Tgt Ion: 139 Resp: 1535

Ion Ratio Lower Upper

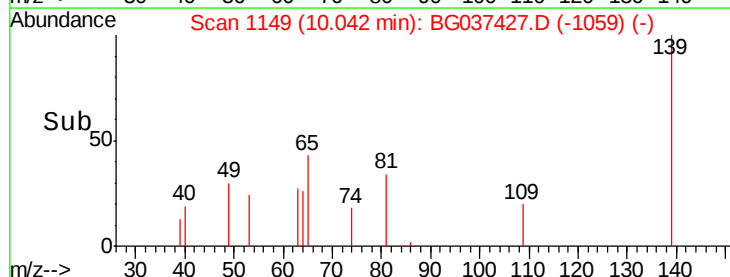
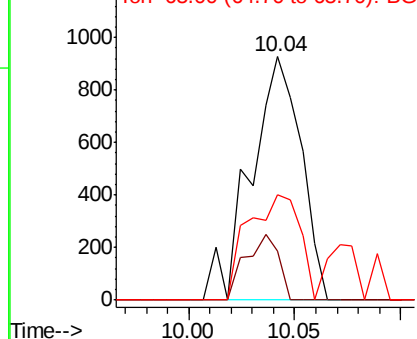
139 100

109 20.0 23.3 34.9#

65 43.5 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

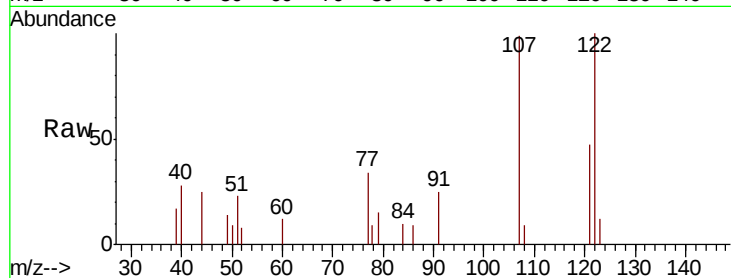




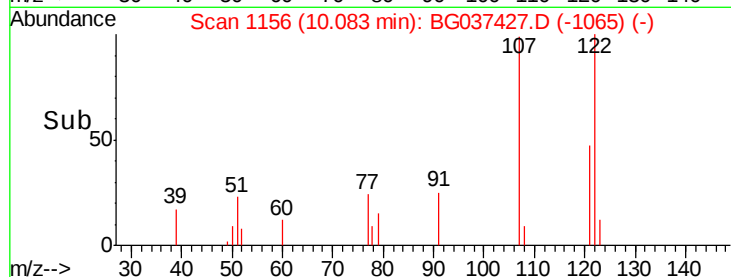
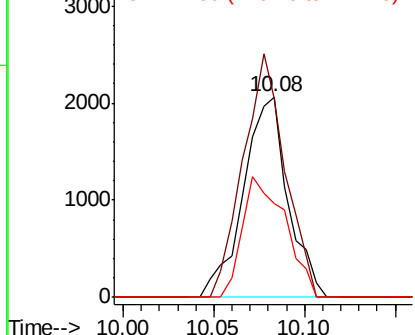
#27
 2,4-Dimethylphenol
 Concen: 0.960 ng
 RT: 10.08 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion:122 Resp: 3534
 Ion Ratio Lower Upper
 122 100
 107 98.9 94.2 141.2
 121 47.0 47.3 70.9#

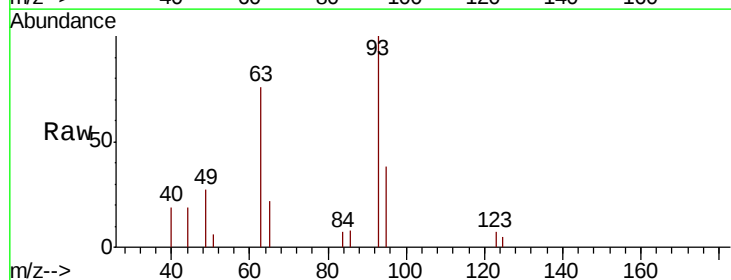


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

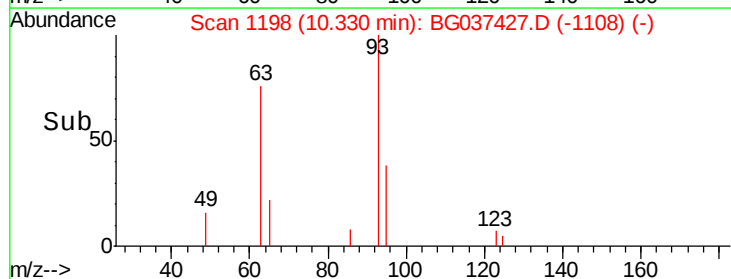
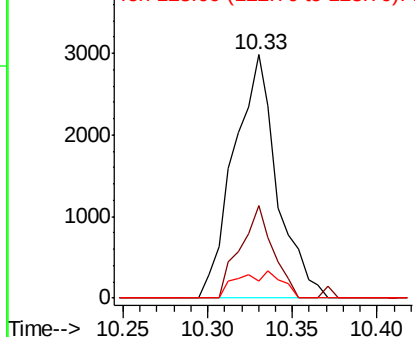


#28
 bis(2-Chloroethoxy)methane
 Concen: 1.010 ng
 RT: 10.33 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion: 93 Resp: 5326
 Ion Ratio Lower Upper
 93 100
 95 38.3 24.6 37.0#
 123 6.8 9.1 13.7#



Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC
 Ion 123.00 (122.70 to 123.70): E

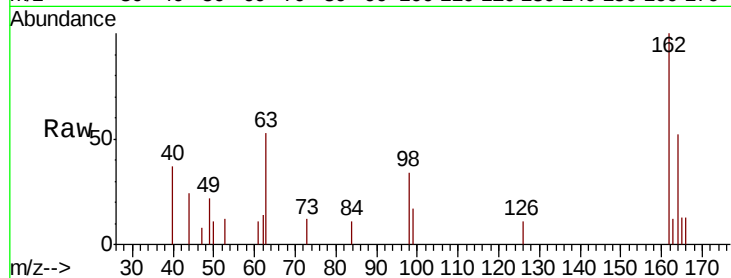




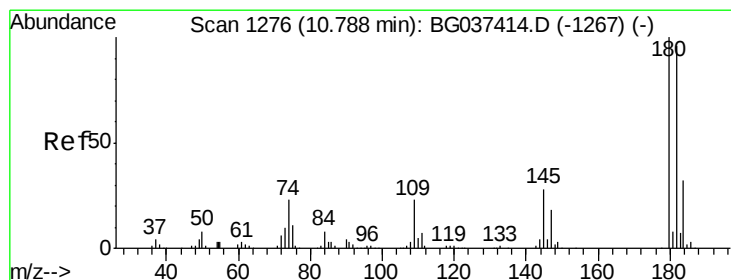
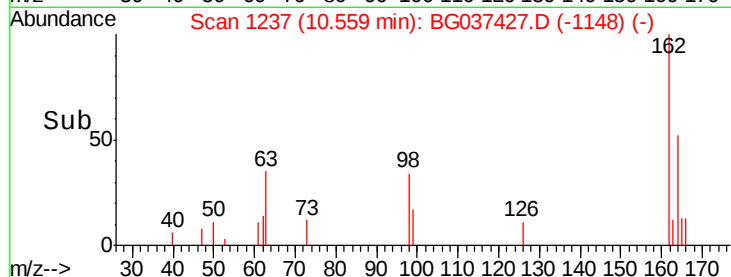
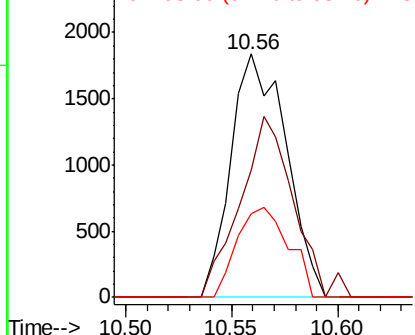
#29
2,4-Dichlorophenol
Concen: 0.809 ng
RT: 10.56 min Scan# 1237
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion:162 Resp: 3317
Ion Ratio Lower Upper
162 100
164 46.5 43.2 83.2
98 30.3 16.0 56.0

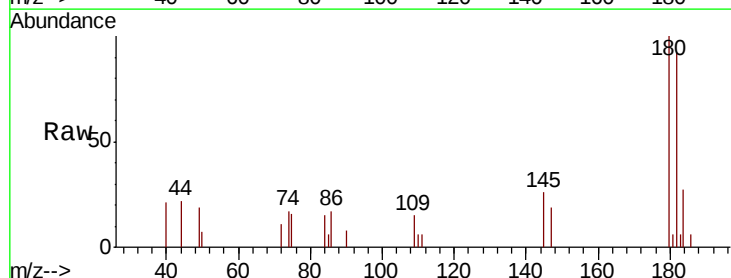


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

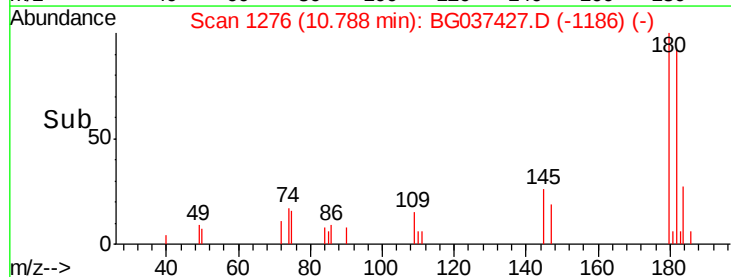
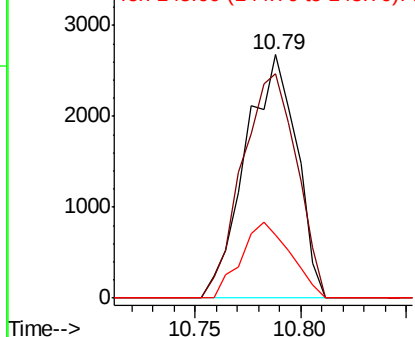


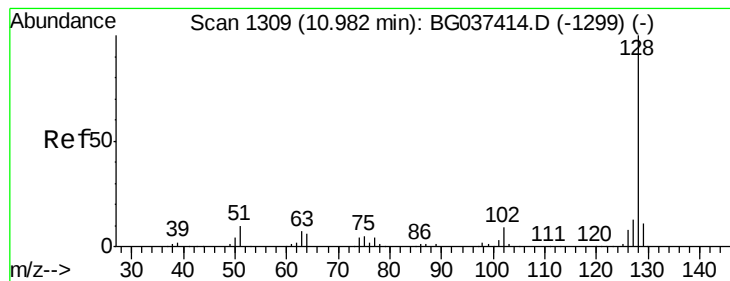
#30
1,2,4-Trichlorobenzene
Concen: 1.011 ng
RT: 10.79 min Scan# 1276
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:180 Resp: 4507
Ion Ratio Lower Upper
180 100
182 92.3 77.7 116.5
145 26.1 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 1.140 ng

RT: 10.98 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

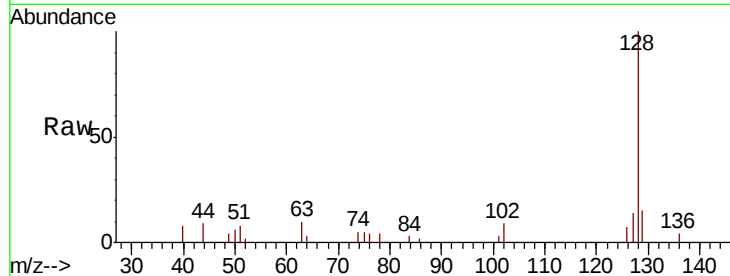
Tot Ion:128 Resp: 13811

Ion Ratio Lower Upper

128 100

129 14.8 9.0 13.6#

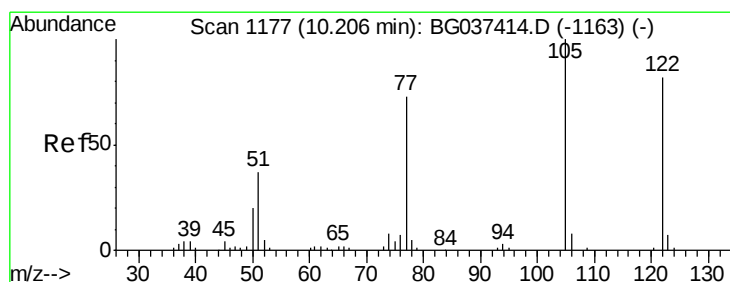
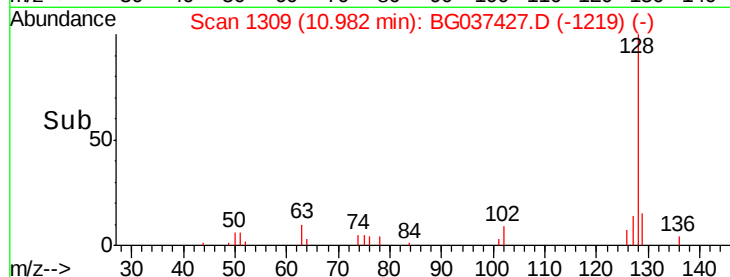
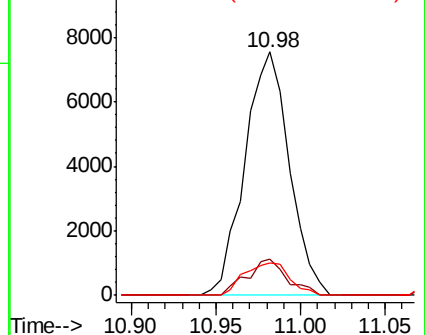
127 13.5 11.1 16.7



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: 1.478 ng

RT: 10.08 min Scan# 1156

Delta R.T. -0.12 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

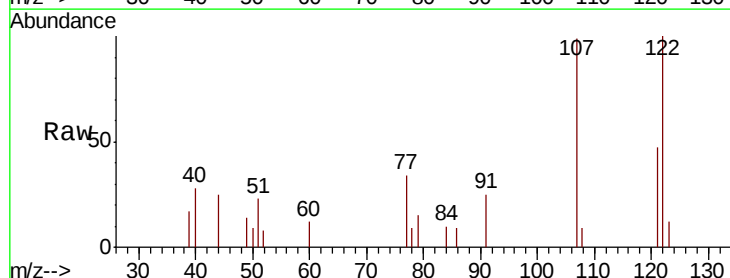
Tgt Ion:122 Resp: 3534

Ion Ratio Lower Upper

122 100

105 0.0 106.7 146.7#

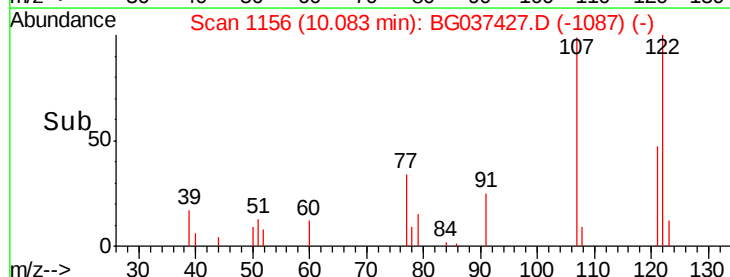
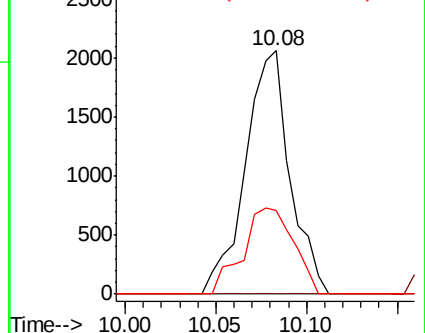
77 34.1 72.2 112.2#



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

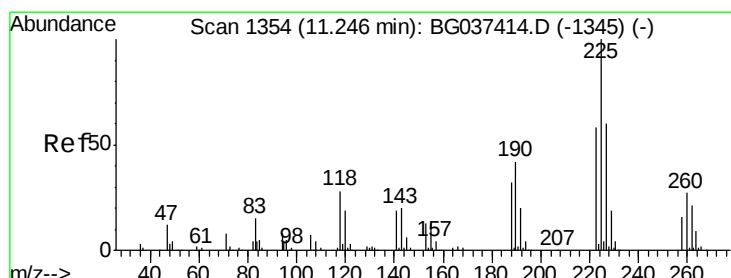
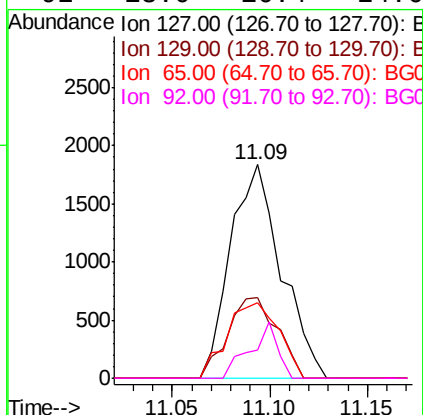
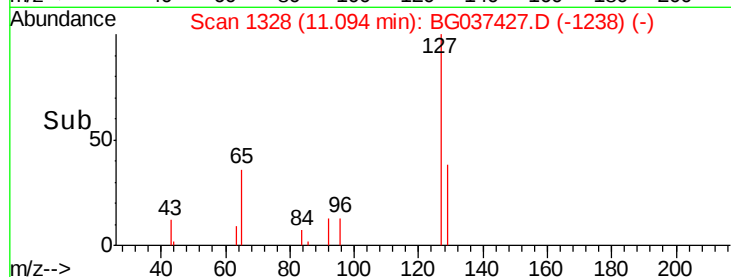
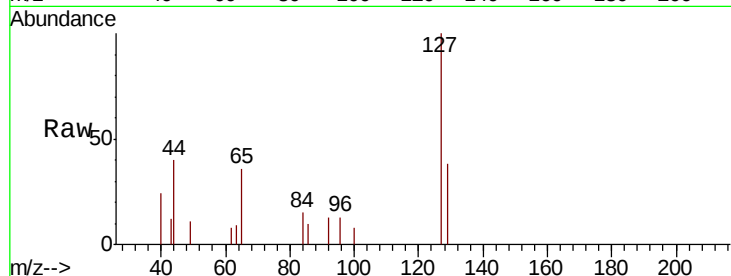




#33
4-Chloroaniline
Concen: 0.581 ng
RT: 11.09 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

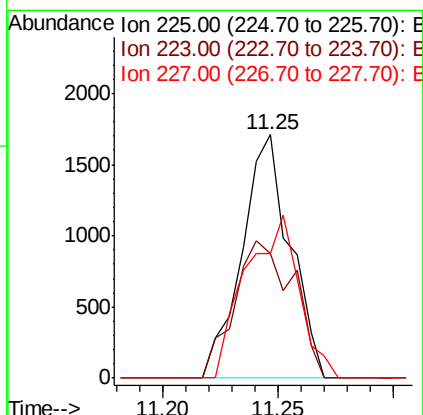
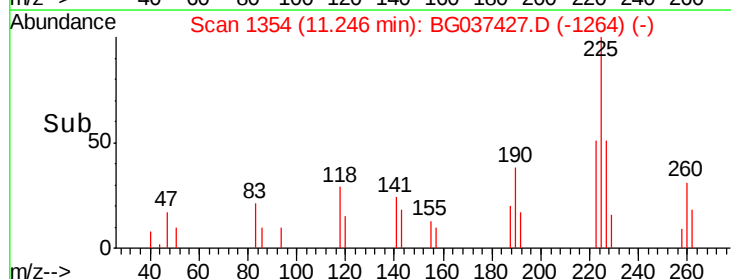
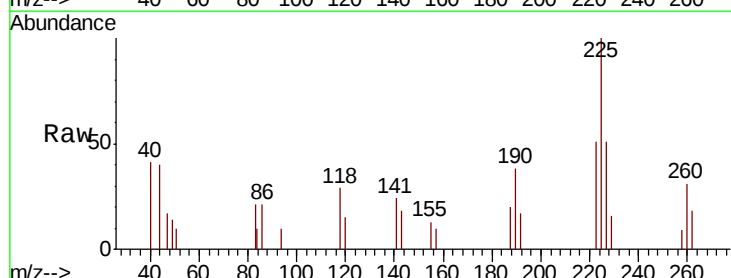
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:127	Resp:	3308
Ion	Ratio	Lower Upper
127	100	
129	37.7	27.1 40.7
65	35.7	26.6 39.8
92	13.0	16.4 24.6



#34
Hexachlorobutadiene
Concen: 0.940 ng
RT: 11.25 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:225	Resp:	2483
Ion	Ratio	Lower Upper
225	100	
223	51.4	48.2 72.4
227	51.3	51.6 77.4





#35

Caprolactam

Concen: 0.054 ng

RT: 11.91 min Scan# 1467

Delta R.T. 0.03 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

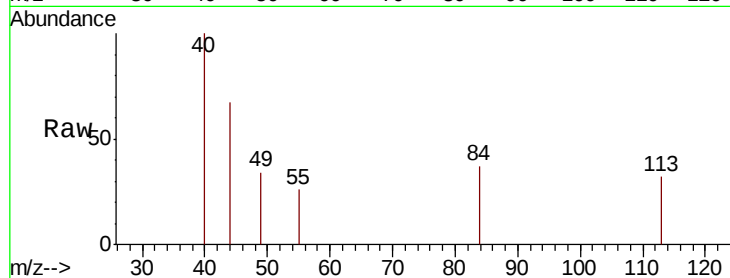
Tot Ion:113 Resp: 88

Ion Ratio Lower Upper

113 100

55 80.5 176.6 216.6#

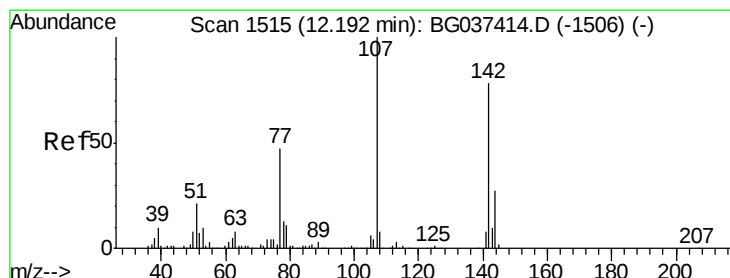
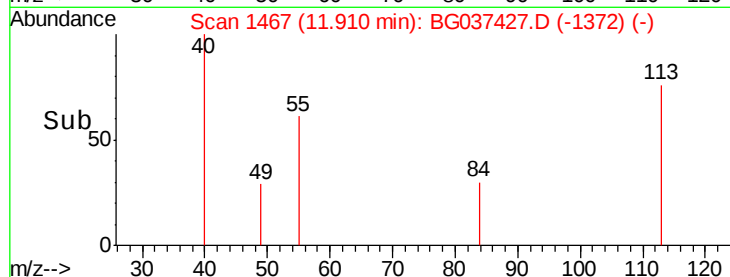
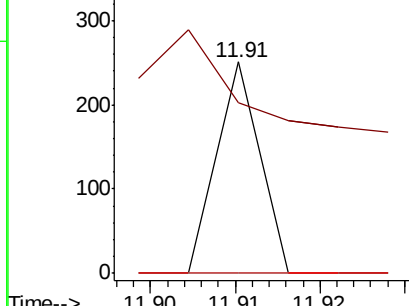
56 0.0 128.3 168.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#36

4-Chloro-3-methylphenol

Concen: 0.809 ng

RT: 12.19 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

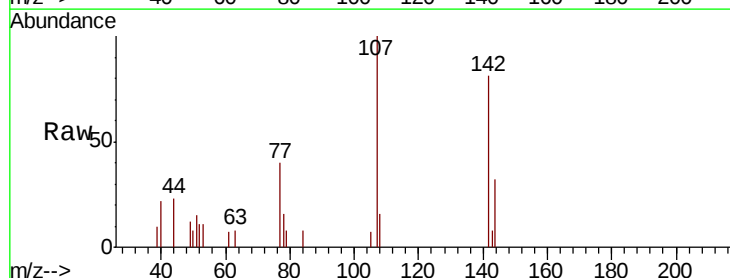
Tgt Ion:107 Resp: 3738

Ion Ratio Lower Upper

107 100

144 31.7 20.7 31.1#

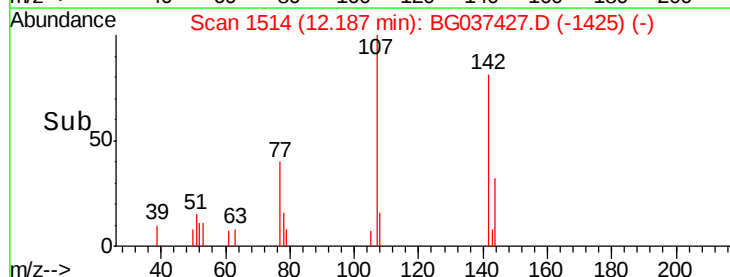
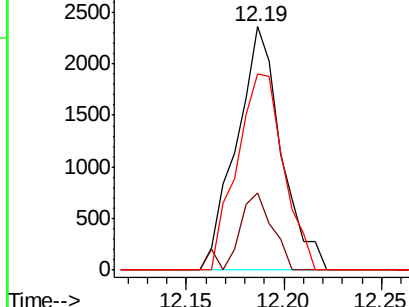
142 80.6 64.4 96.6



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

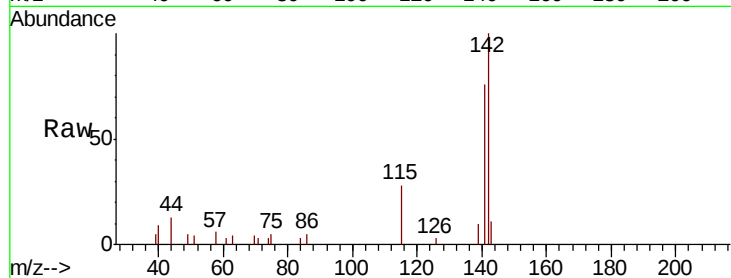




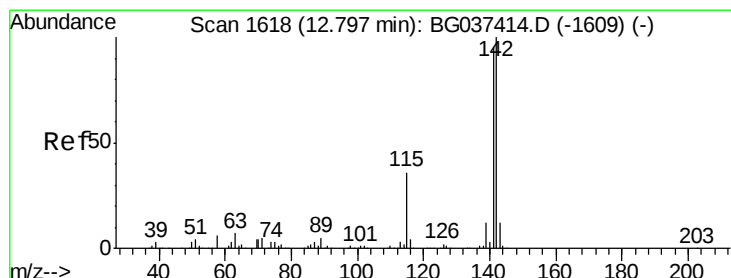
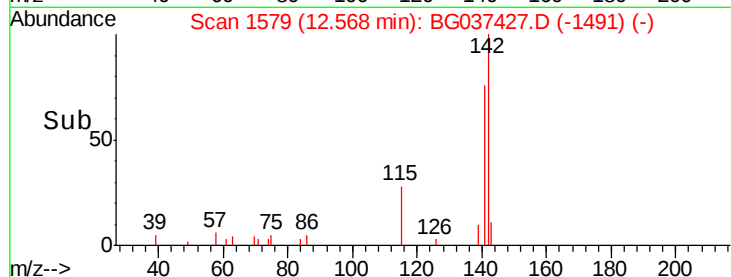
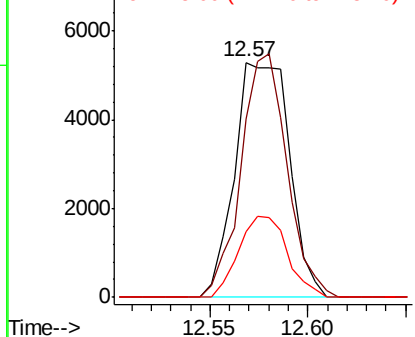
#37
 2-Methylnaphthalene
 Concen: 1.160 ng
 RT: 12.57 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion:142 Resp: 10244
 Ion Ratio Lower Upper
 142 100
 141 75.8 71.9 107.9
 115 28.0 27.8 41.8

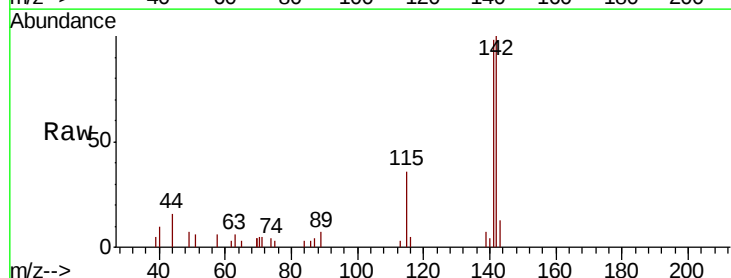


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

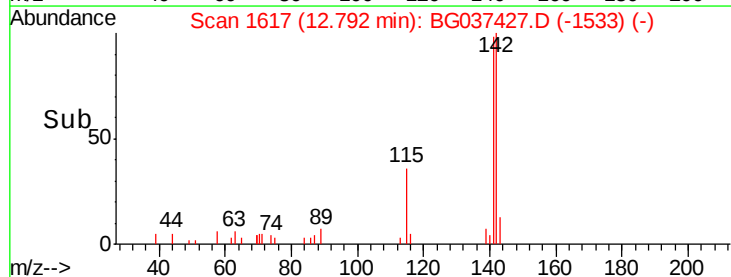
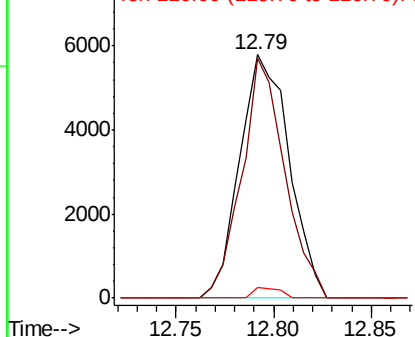


#38
 1-Methylnaphthalene
 Concen: 1.183 ng
 RT: 12.79 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:142 Resp: 10146
 Ion Ratio Lower Upper
 142 100
 141 98.5 75.2 112.8
 116 4.6 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: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

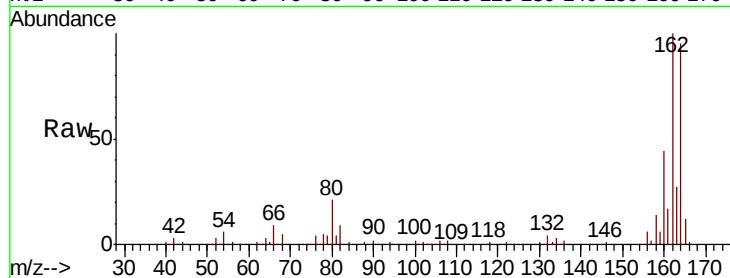
Tot Ion:164 Resp: 165422

Ion Ratio Lower Upper

164 100

162 105.0 81.3 121.9

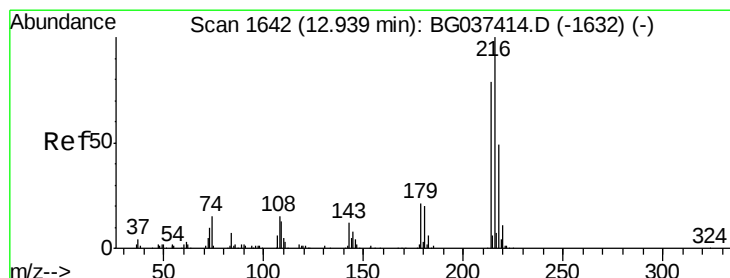
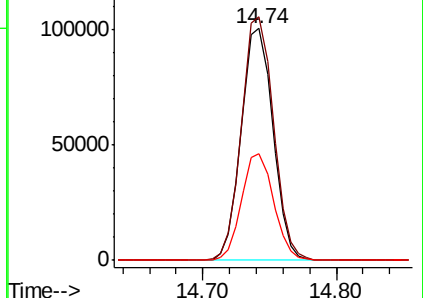
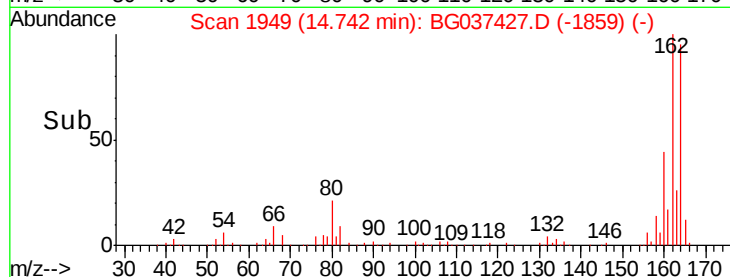
160 46.2 36.3 54.5



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: 0.982 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Tgt Ion:216 Resp: 5241

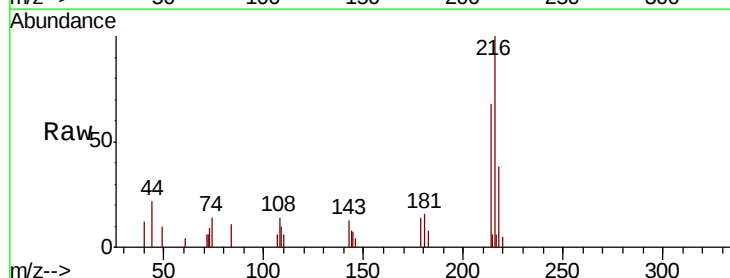
Ion Ratio Lower Upper

216 100

214 82.1 63.8 95.6

179 19.5 17.4 26.0

108 16.2 13.9 20.9

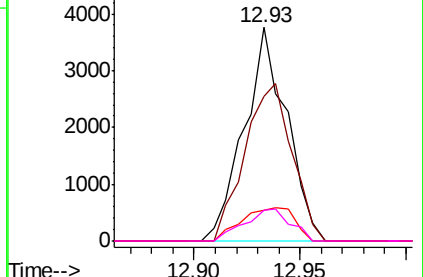
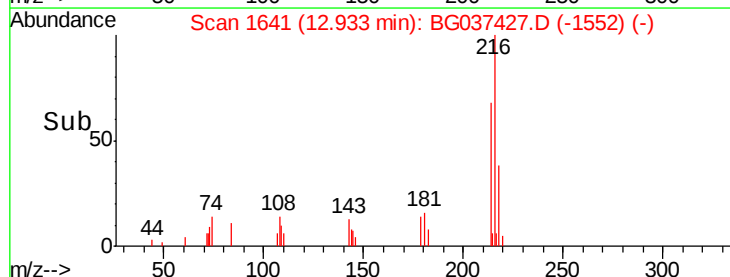


Abundance Ion 216.00 (215.70 to 216.70): E

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: 0.798 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

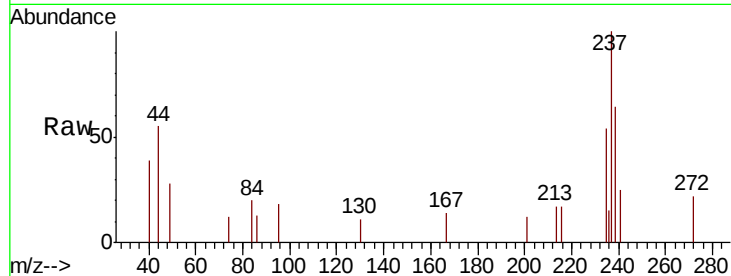
Tot Ion:237 Resp: 2034

Ion Ratio Lower Upper

237 100

235 54.2 42.5 82.5

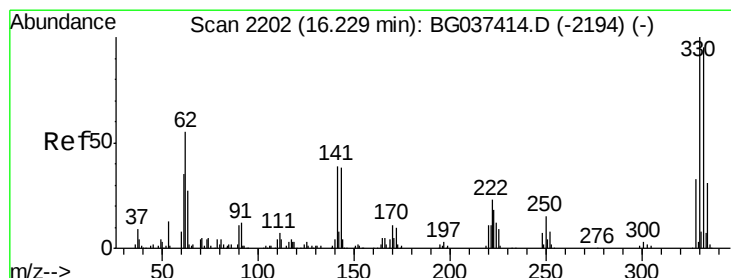
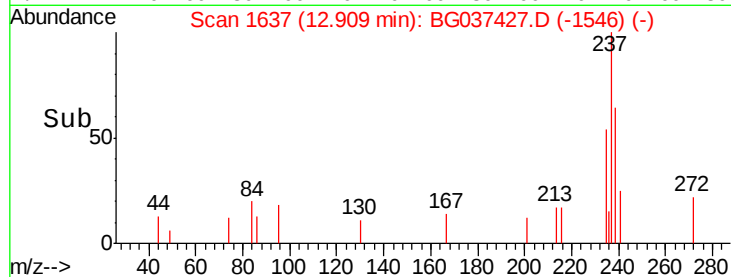
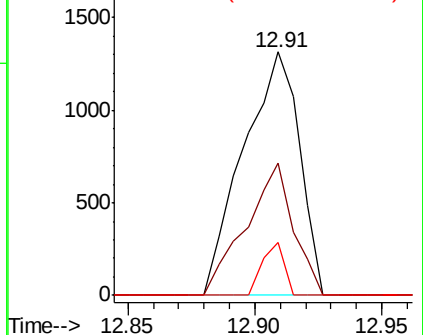
272 21.8 0.0 31.6



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



#42

2,4,6-Tribromophenol

Concen: 136.810 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

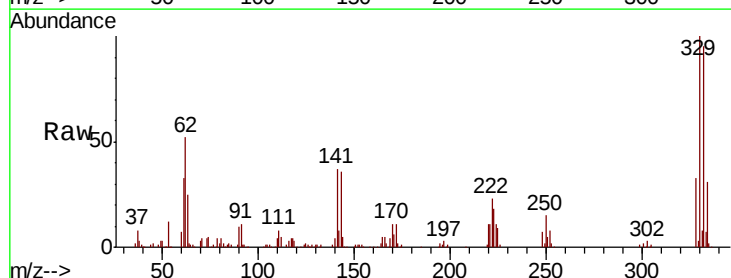
Tgt Ion:330 Resp: 246838

Ion Ratio Lower Upper

330 100

332 96.3 78.4 117.6

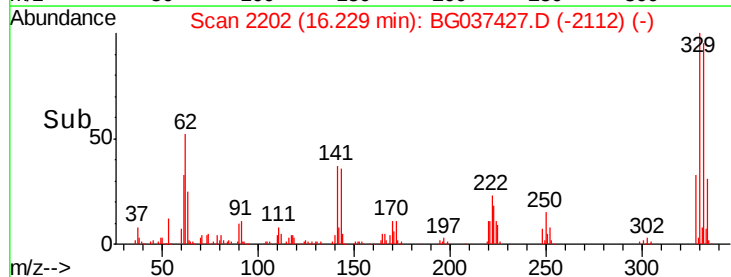
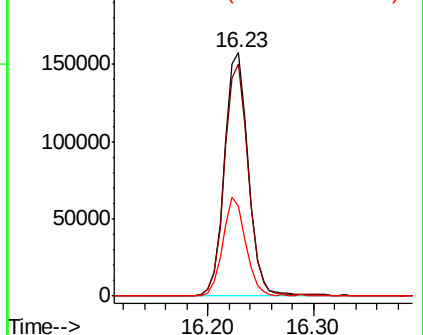
141 39.0 32.2 48.2



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

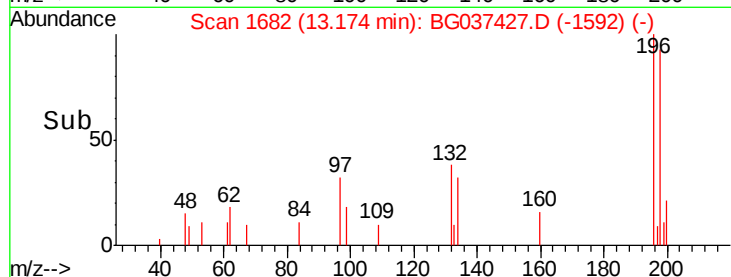
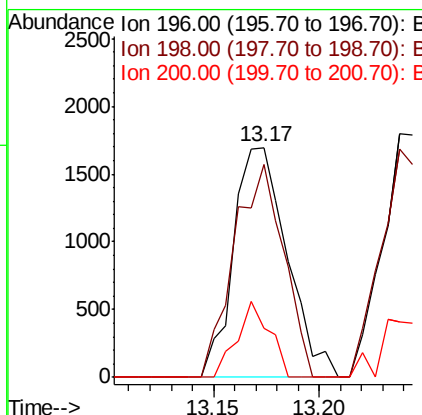
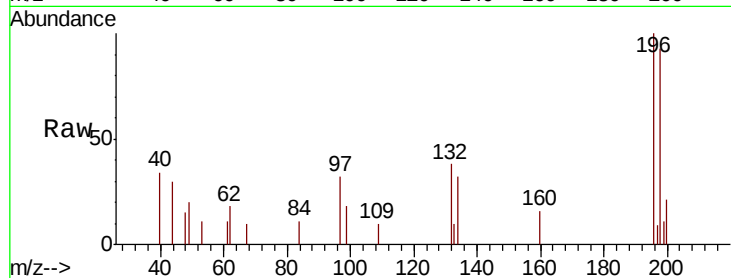




#43
 2,4,6-Trichlorophenol
 Concen: 0.836 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

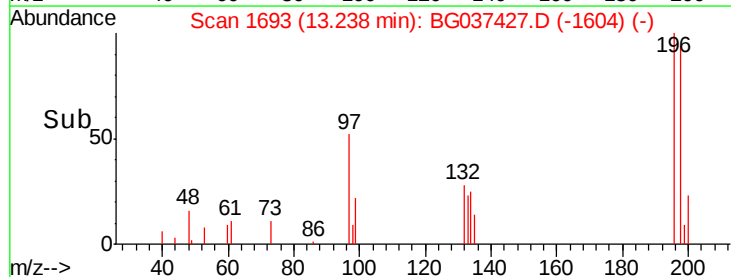
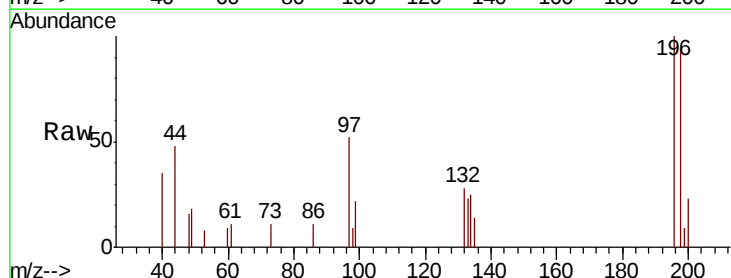
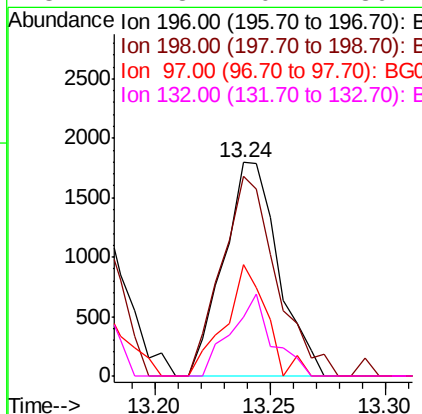
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tot Ion:196 Resp: 2980
 Ion Ratio Lower Upper
 196 100
 198 92.7 76.4 114.6
 200 21.3 24.9 37.3#



#44
 2,4,5-Trichlorophenol
 Concen: 0.765 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:196 Resp: 2968
 Ion Ratio Lower Upper
 196 100
 198 93.8 74.2 111.2
 97 52.0 34.1 51.1#
 132 27.8 20.2 30.4

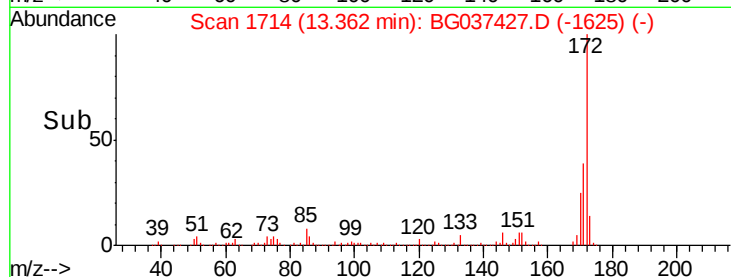
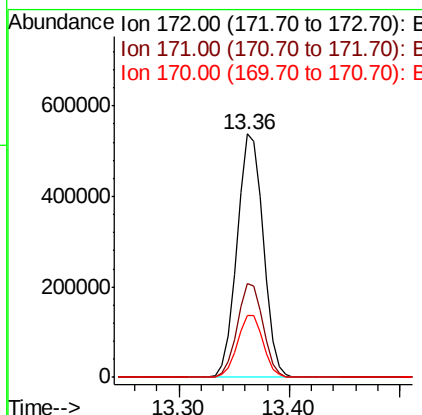
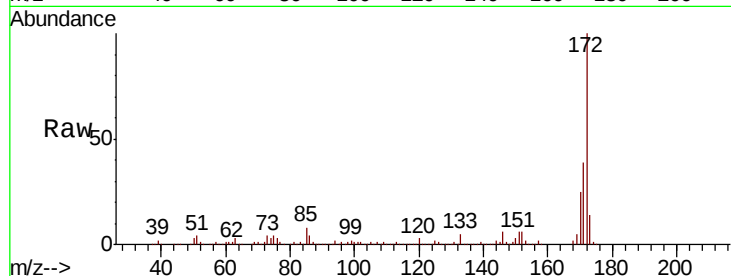




#45
2-Fluorobiphenyl
Concen: 81.966 ng
RT: 13.36 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

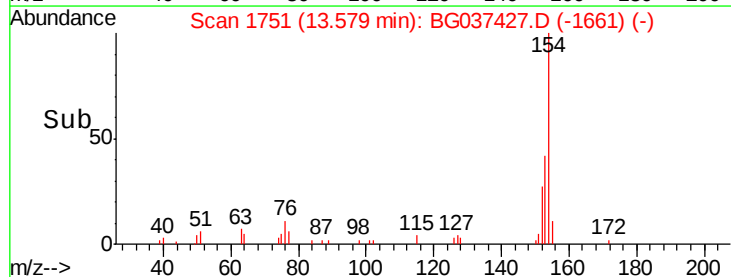
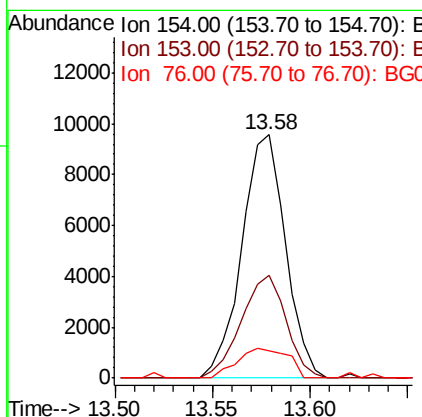
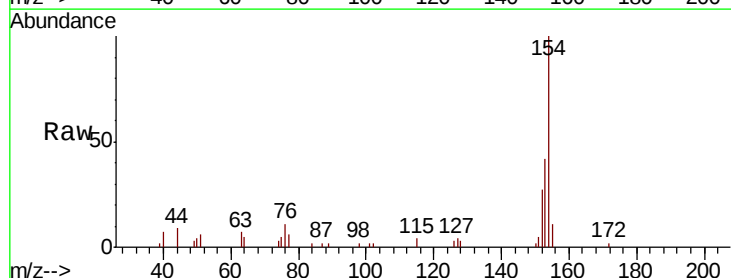
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

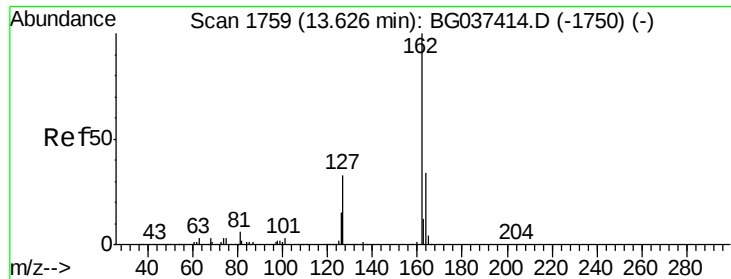
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	25.2	20.2	30.2



#46
1,1'-Biphenyl
Concen: 1.082 ng
RT: 13.58 min Scan# 1751
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.1	62.1
76	11.4	0.0	33.2

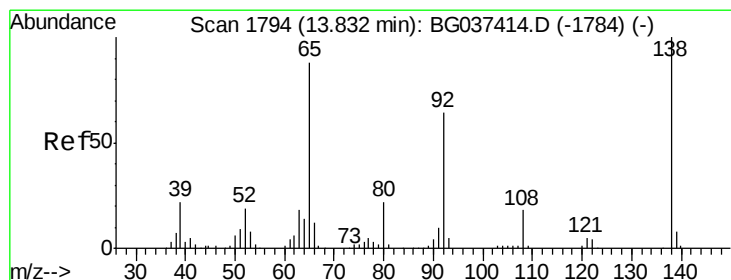
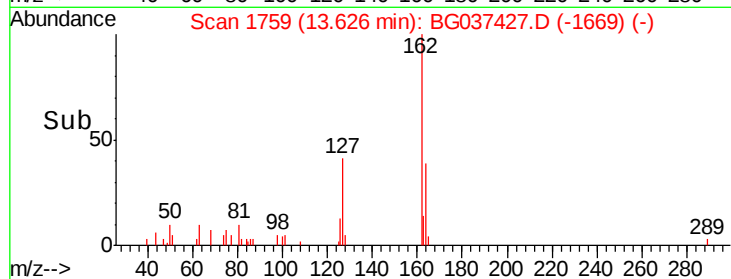
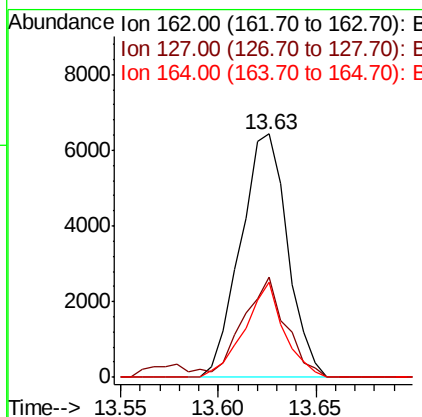
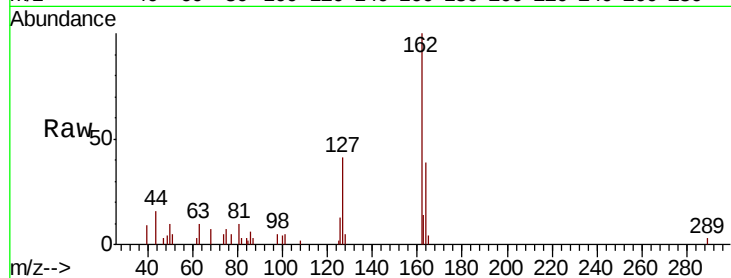




#47
2-Chloronaphthalene
Concen: 1.033 ng
RT: 13.63 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

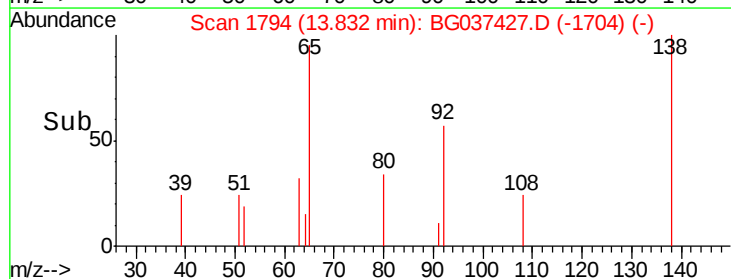
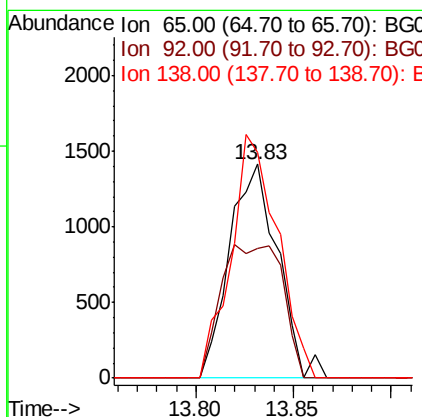
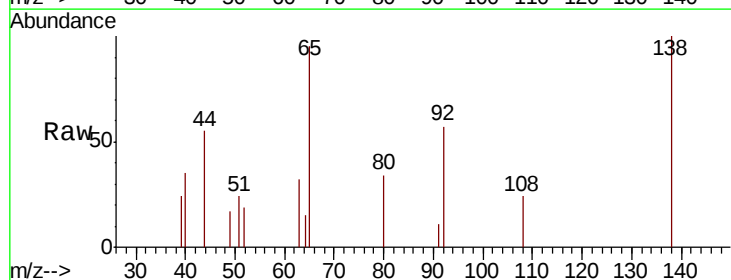
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	30.5	45.7
164	39.2	26.4	39.6



#48
2-Nitroaniline
Concen: 0.769 ng
RT: 13.83 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	60.4	53.2	79.8
138	105.7	79.3	118.9





#49

Acenaphthylene

Concen: 1.091 ng

RT: 14.47 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

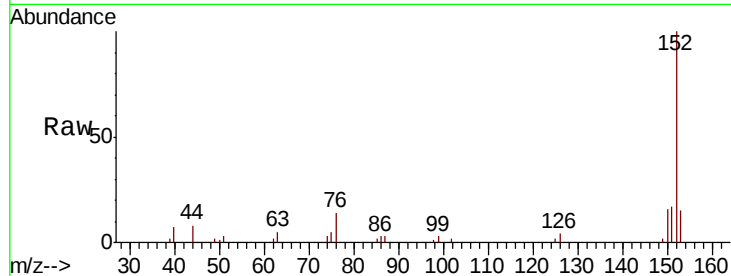
Tot Ion:152 Resp: 17008

Ion Ratio Lower Upper

152 100

151 17.0 17.1 25.7#

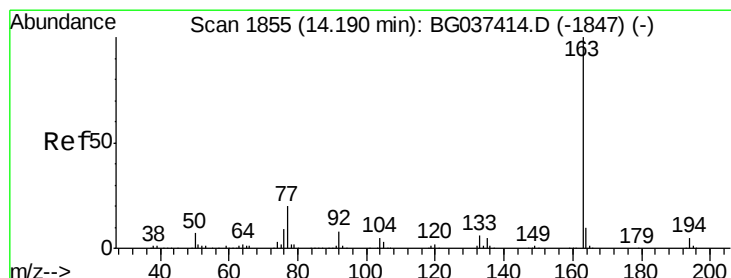
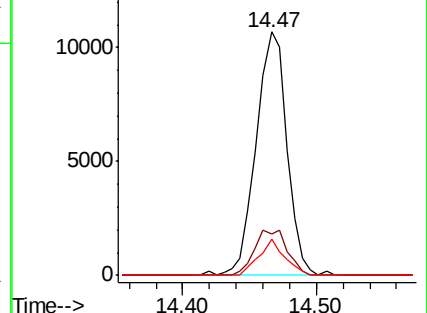
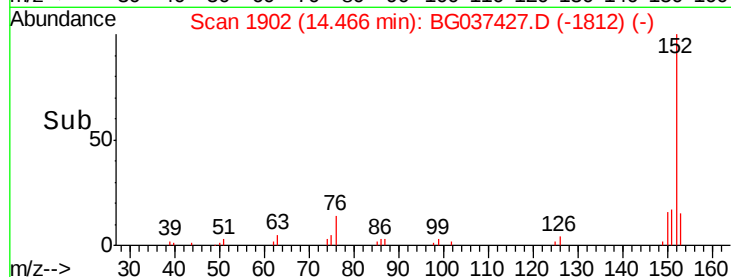
153 14.7 11.1 16.7



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: 1.050 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

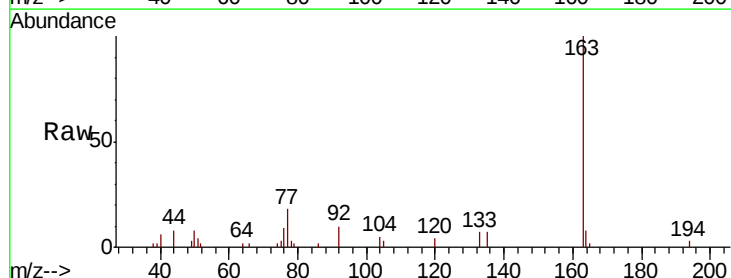
Tgt Ion:163 Resp: 13436

Ion Ratio Lower Upper

163 100

194 3.0 3.5 5.3#

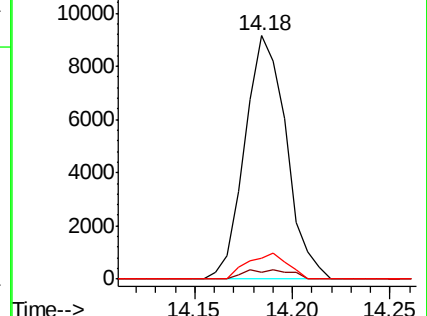
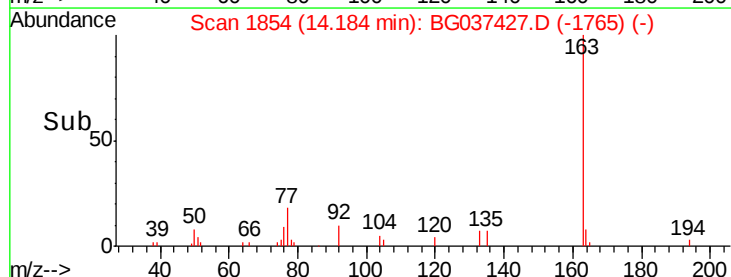
164 8.4 8.5 12.7#

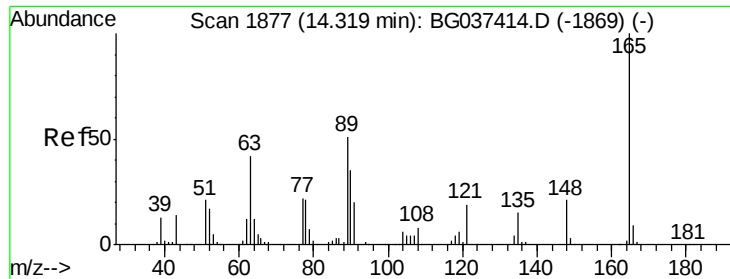


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

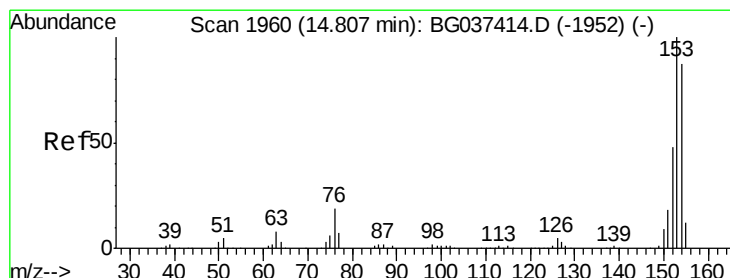
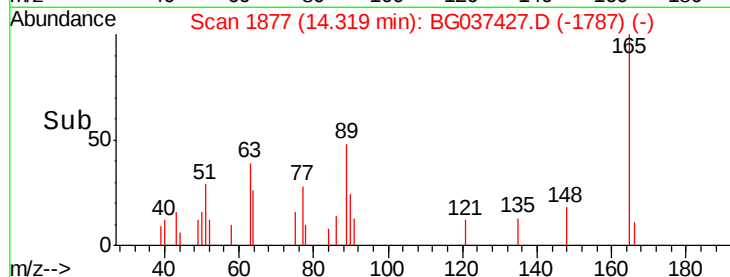
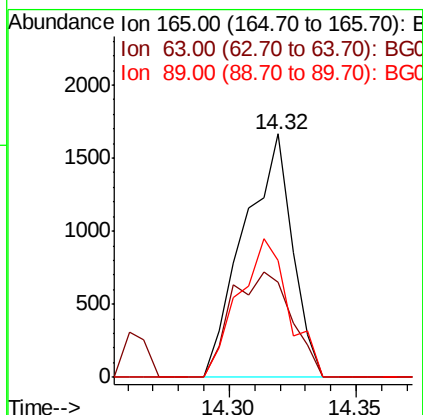
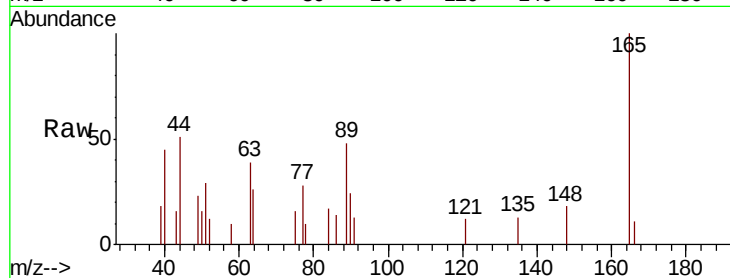




#51
2,6-Dinitrotoluene
Concen: 0.784 ng
RT: 14.32 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

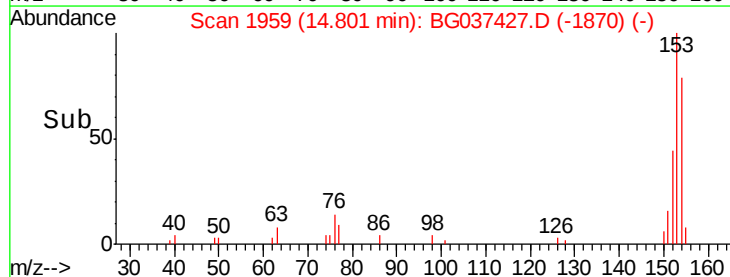
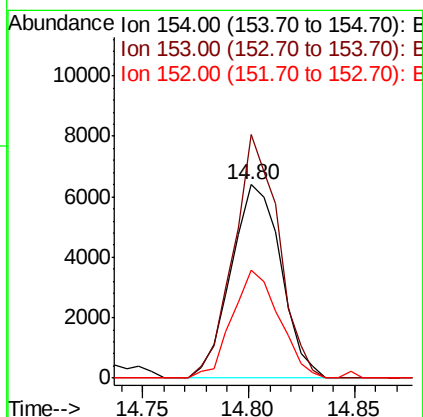
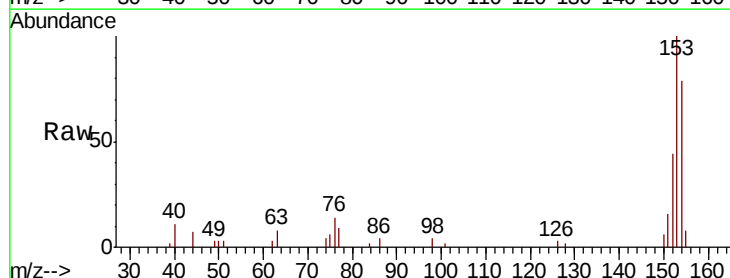
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tot Ion:165 Resp: 2219
Ion Ratio Lower Upper
165 100
63 38.8 43.4 65.2#
89 47.8 45.8 68.6



#52
Acenaphthene
Concen: 1.093 ng
RT: 14.80 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:154 Resp: 10492
Ion Ratio Lower Upper
154 100
153 125.9 93.4 140.0
152 55.7 44.7 67.1





#53

3-Nitroaniline

Concen: 0.675 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

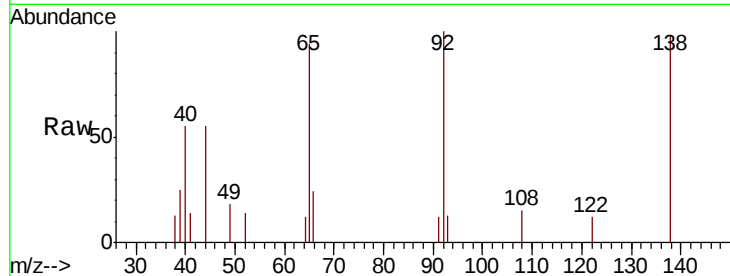
Tot Ion:138 Resp: 2122

Ion Ratio Lower Upper

138 100

108 15.1 11.0 16.6

92 102.2 95.2 142.8

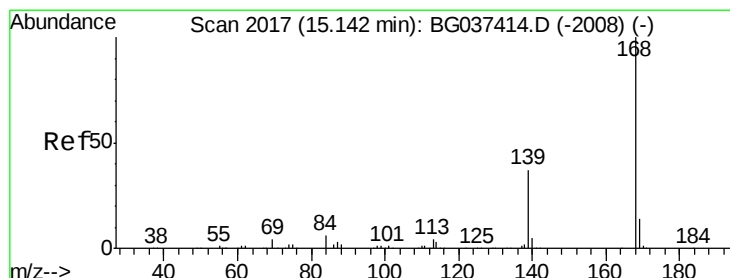
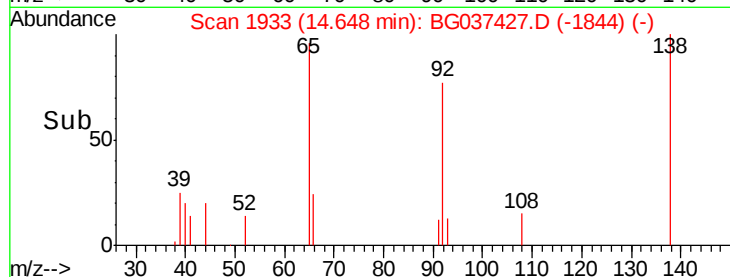
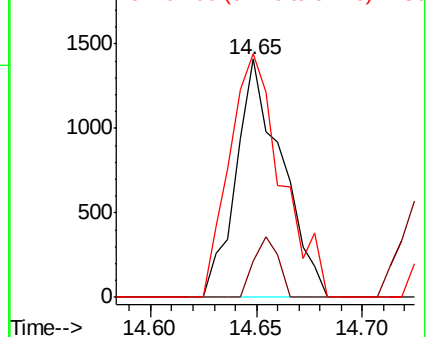


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#55

Dibenzofuran

Concen: 1.129 ng

RT: 15.14 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

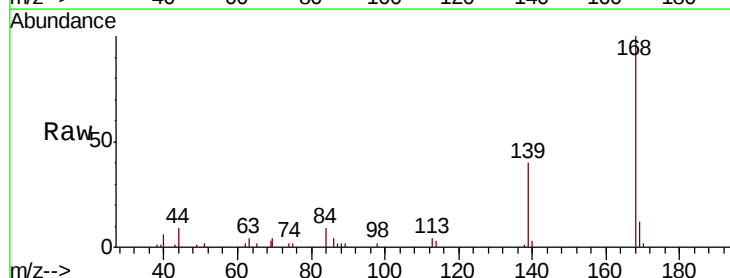
Tgt Ion:168 Resp: 17959

Ion Ratio Lower Upper

168 100

139 39.9 29.4 44.0

169 12.1 11.0 16.6

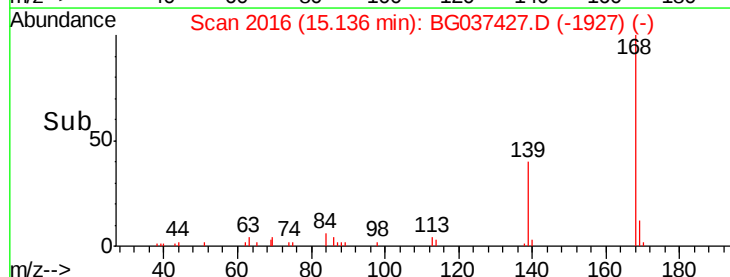
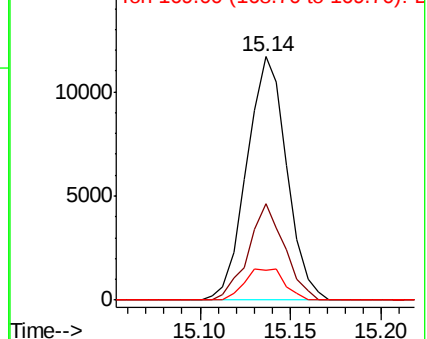


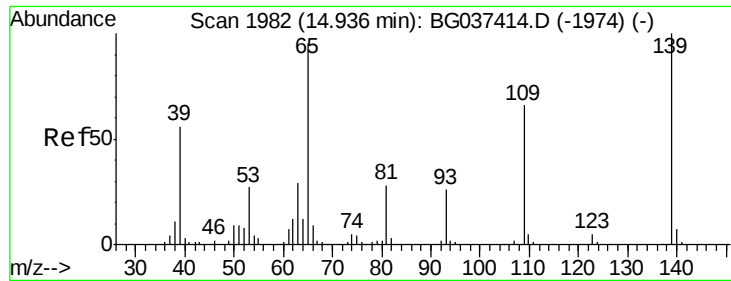
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

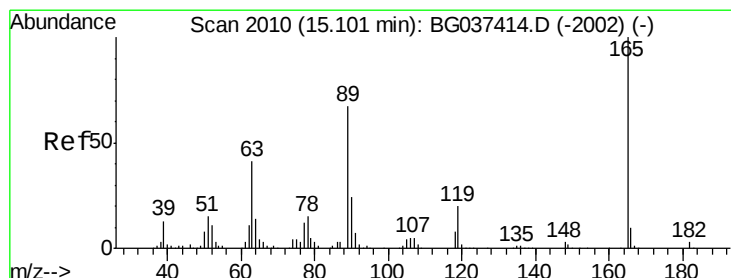
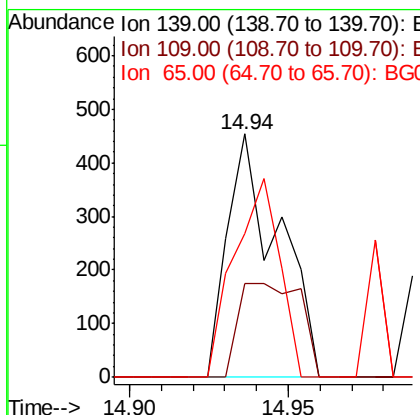
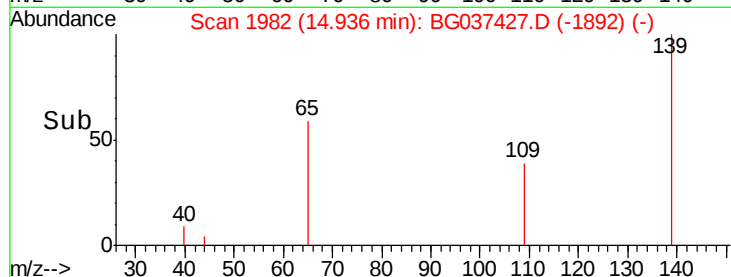
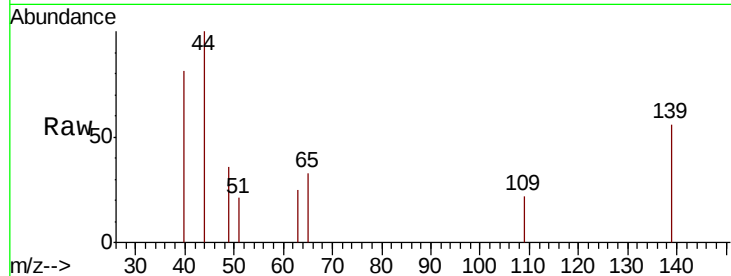




#56
4-Nitrophenol
Concen: 0.217 ng
RT: 14.94 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

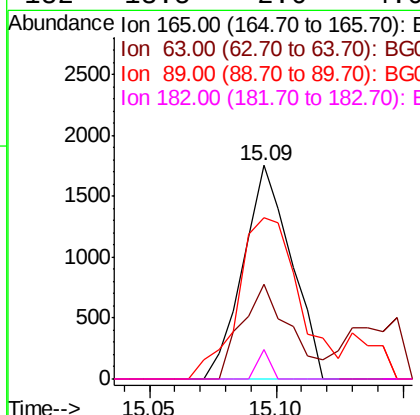
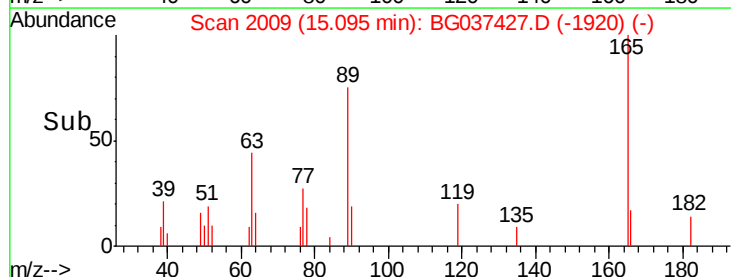
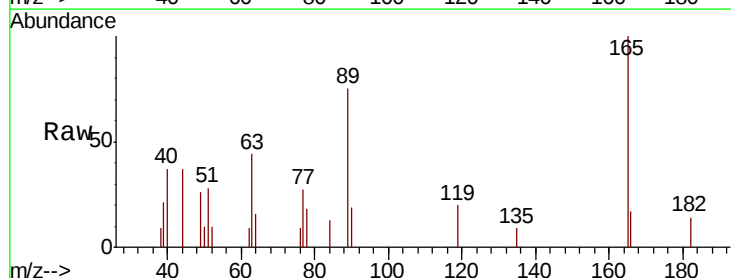
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

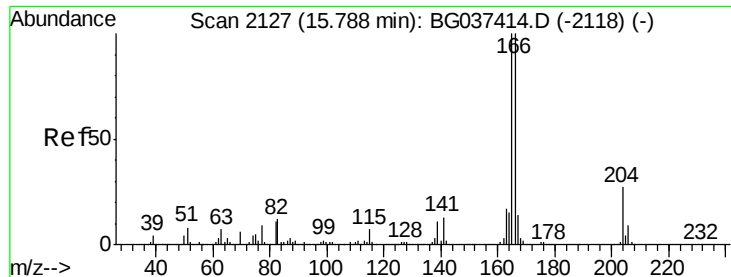
Tot Ion:139 Resp: 504
Ion Ratio Lower Upper
139 100
109 38.8 49.5 89.5#
65 58.8 76.8 116.8#



#57
2,4-Dinitrotoluene
Concen: 0.625 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:165 Resp: 2321
Ion Ratio Lower Upper
165 100
63 44.1 33.4 50.0
89 75.2 57.2 85.8
182 13.5 2.6 4.0#

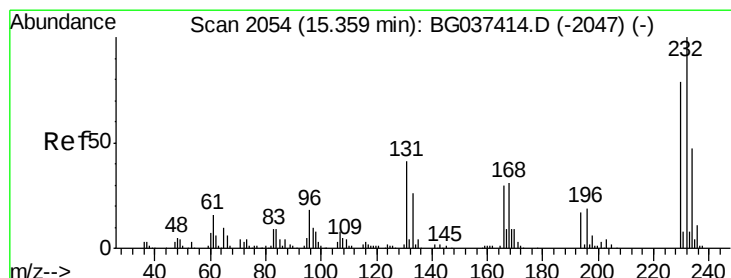
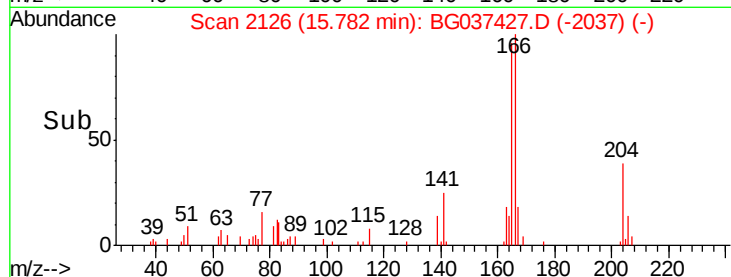
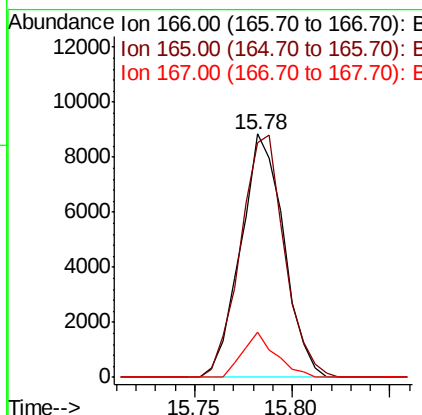
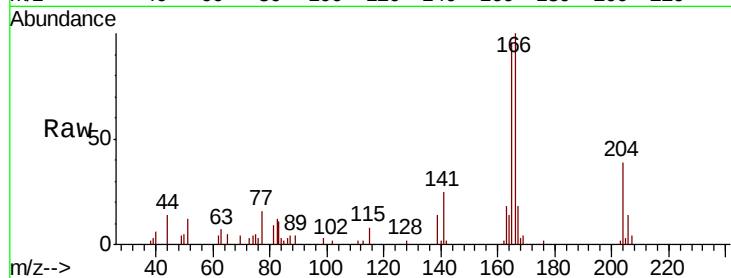




#58
 Fluorene
 Concen: 1.132 ng
 RT: 15.78 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

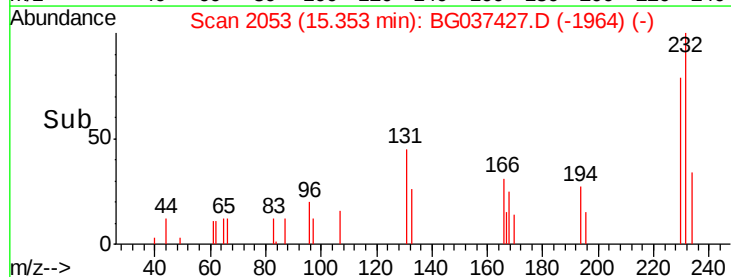
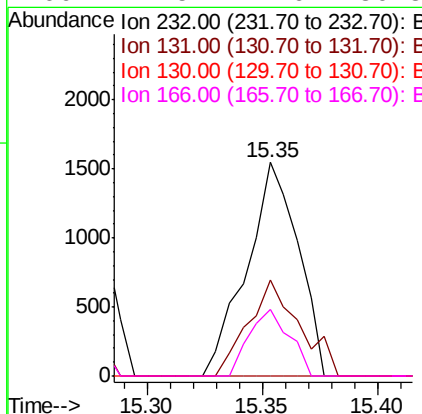
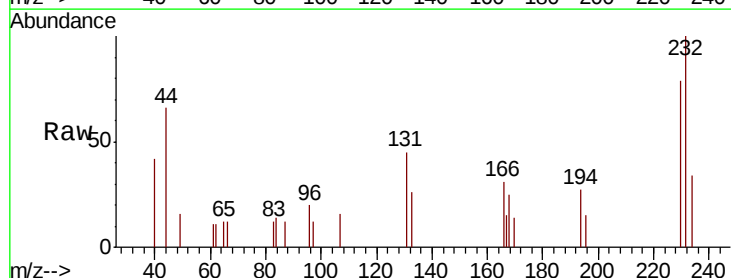
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

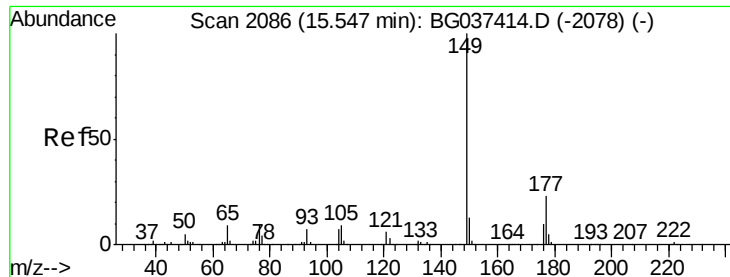
Tot Ion:166 Resp: 13491
 Ion Ratio Lower Upper
 166 100
 165 96.5 79.0 118.6
 167 18.3 11.3 16.9#



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.720 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:232 Resp: 2393
 Ion Ratio Lower Upper
 232 100
 131 44.8 33.7 50.5
 130 0.0 2.1 3.1#
 166 24.5 24.6 36.8#

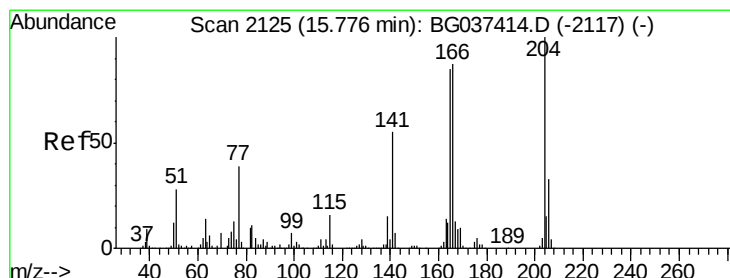
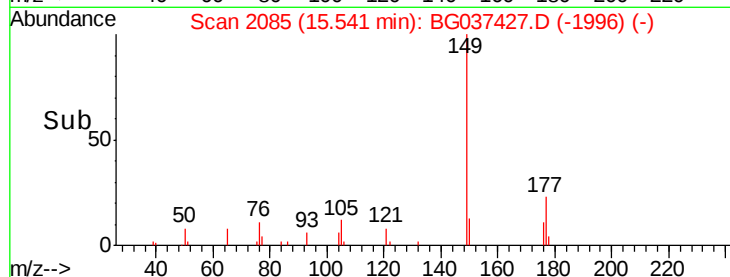
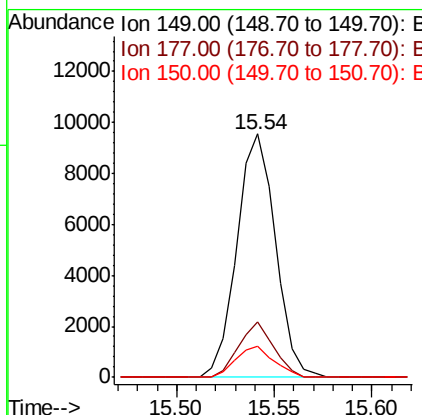
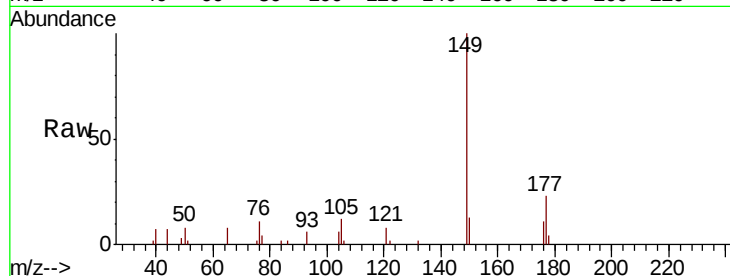




#60
Diethylphthalate
Concen: 0.995 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

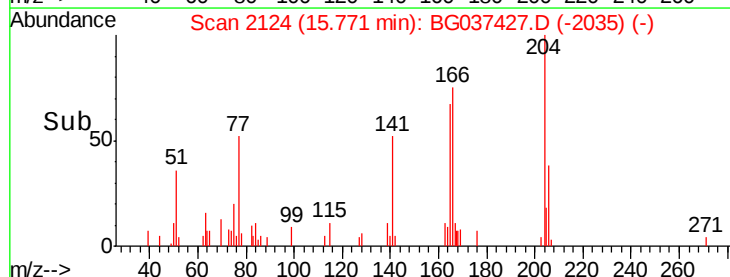
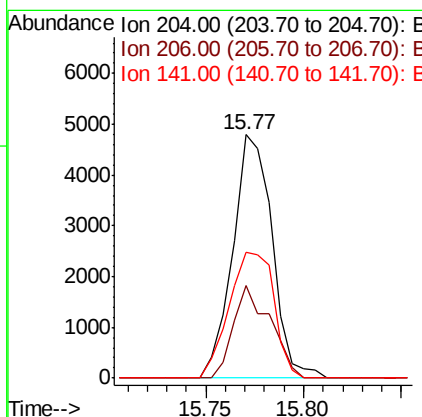
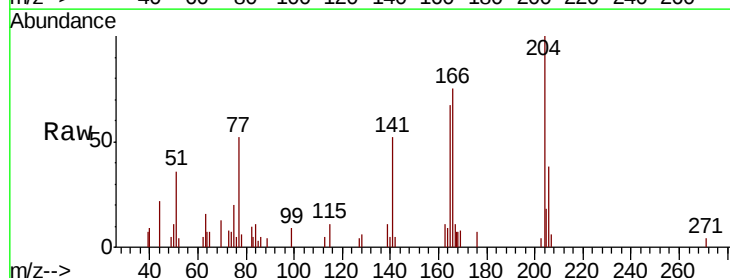
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

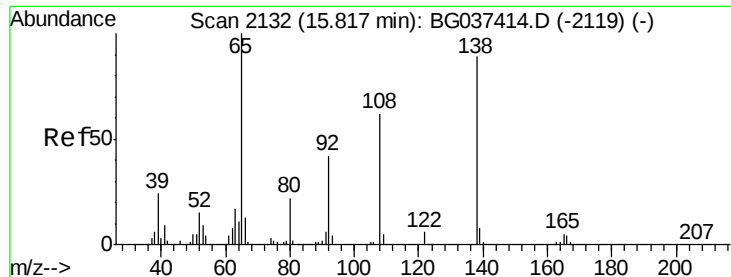
Tot Ion:149 Resp: 13076
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.5 10.0 15.0



#61
4-Chlorophenyl-phenylether
Concen: 0.964 ng
RT: 15.77 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:204 Resp: 6697
Ion Ratio Lower Upper
204 100
206 38.3 26.6 39.8
141 51.5 45.4 68.2

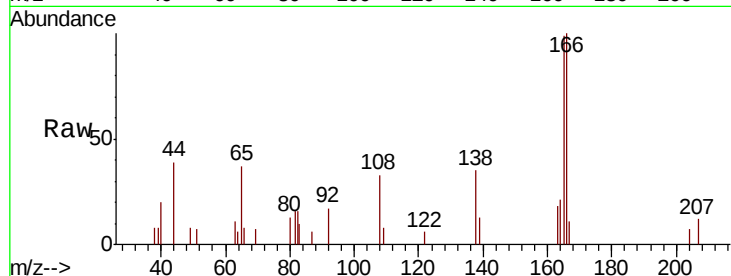




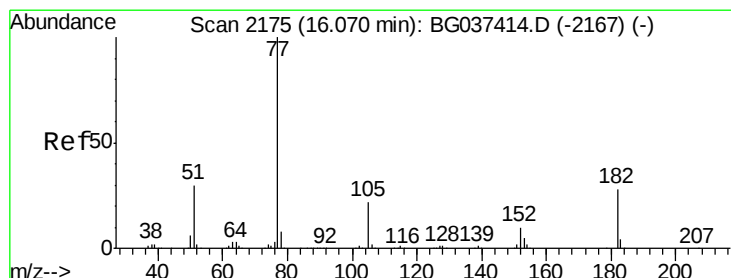
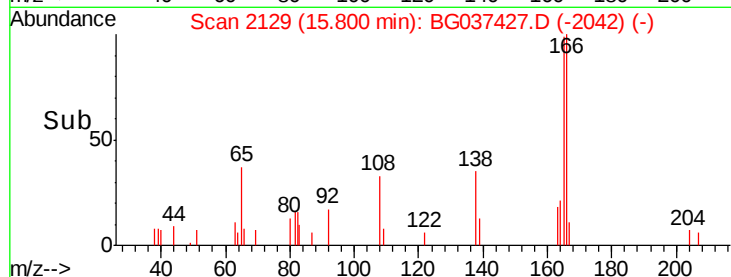
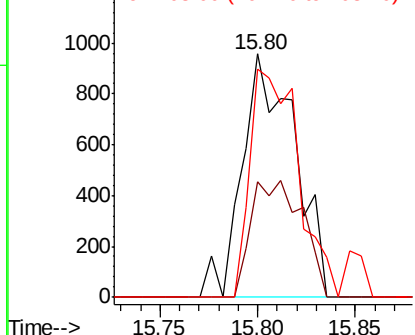
#62
4-Nitroaniline
Concen: 0.573 ng
RT: 15.80 min Scan# 2129
Delta R.T. -0.02 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion:138 Resp: 1789
Ion Ratio Lower Upper
138 100
92 47.4 36.4 76.4
108 93.6 60.1 100.1

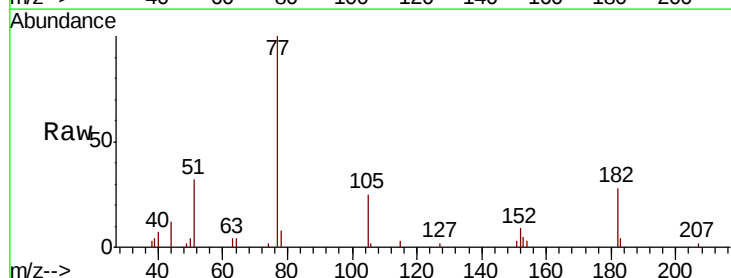


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

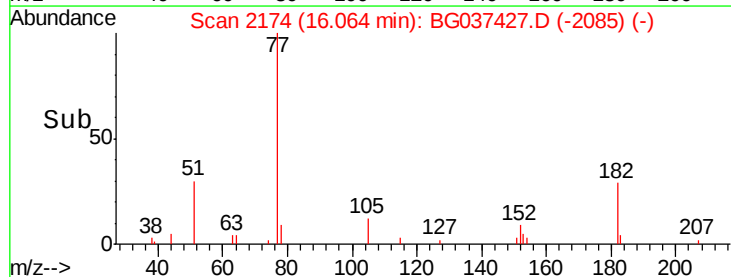
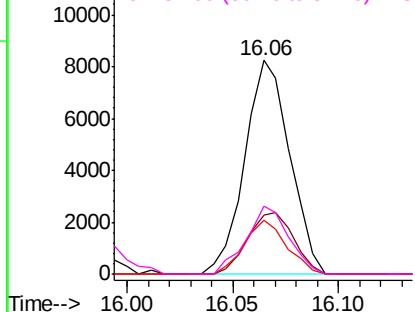


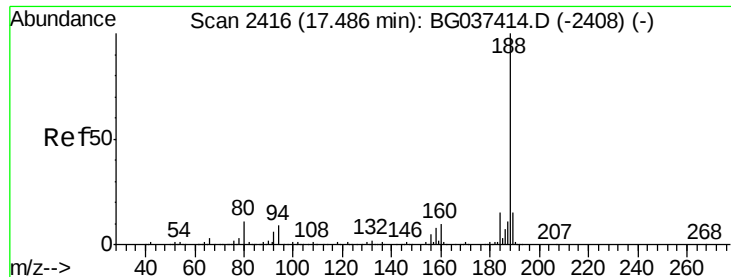
#63
Azobenzene
Concen: 0.972 ng
RT: 16.06 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion: 77 Resp: 12187
Ion Ratio Lower Upper
77 100
182 27.6 8.0 48.0
105 25.4 1.3 41.3
51 31.5 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

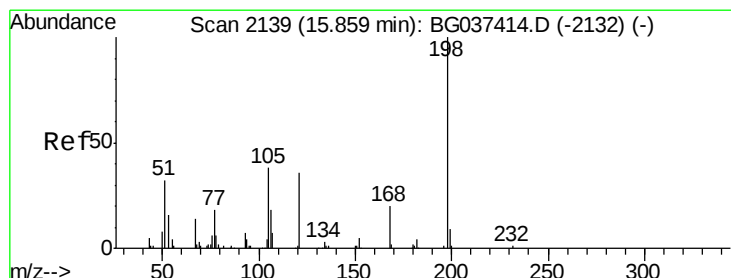
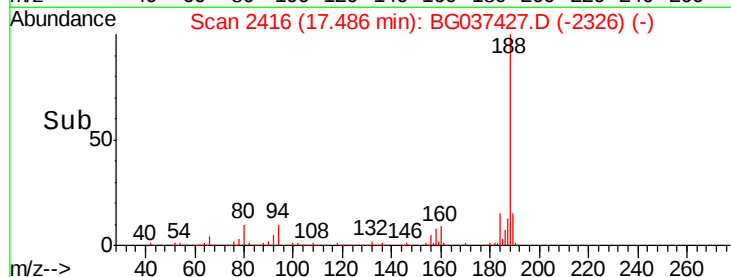
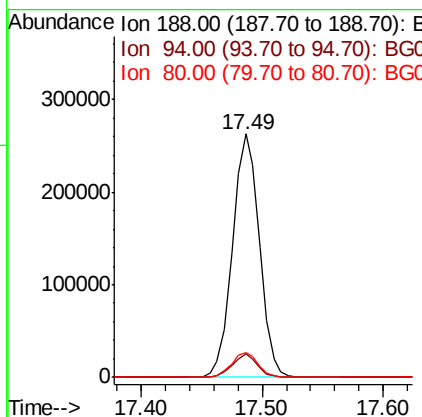
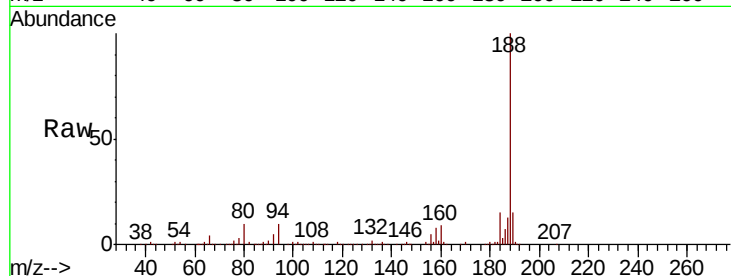




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

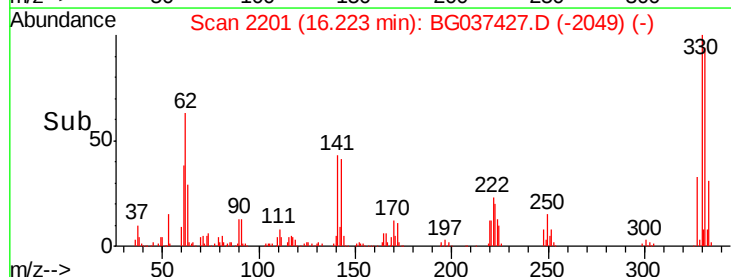
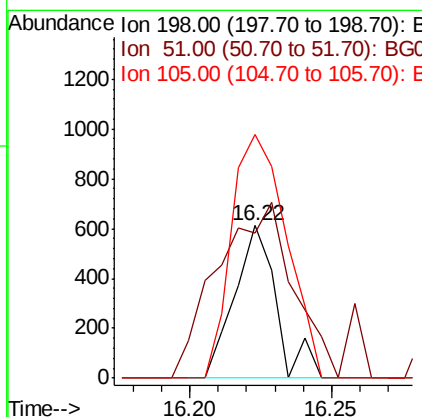
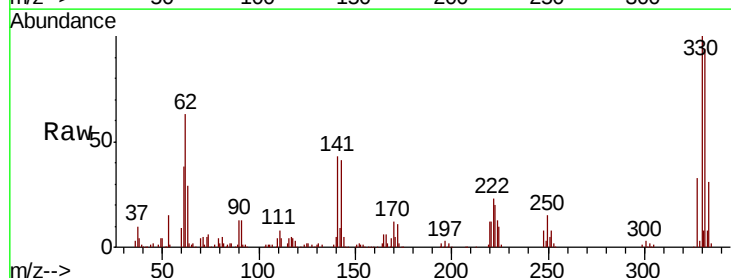
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

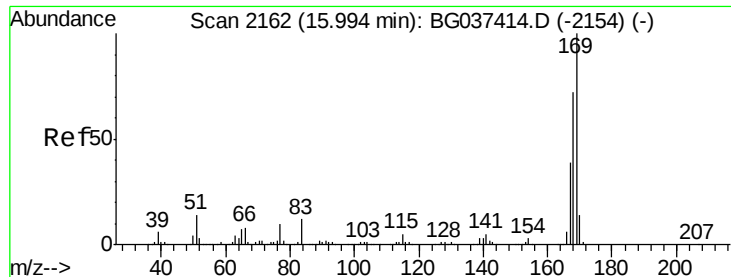
Tot Ion:188 Resp: 406766
Ion Ratio Lower Upper
188 100
94 9.9 7.2 10.8
80 10.2 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.747 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.36 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:198 Resp: 621
Ion Ratio Lower Upper
198 100
51 18.6 22.7 62.7#
105 31.3 19.7 59.7

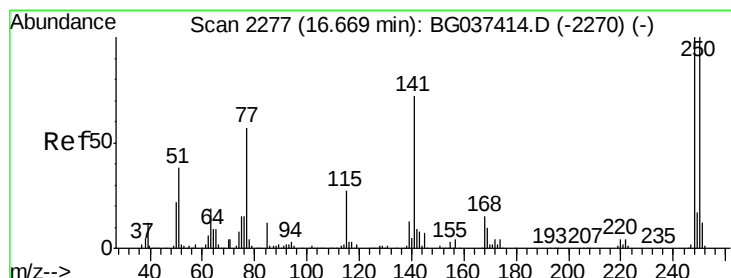
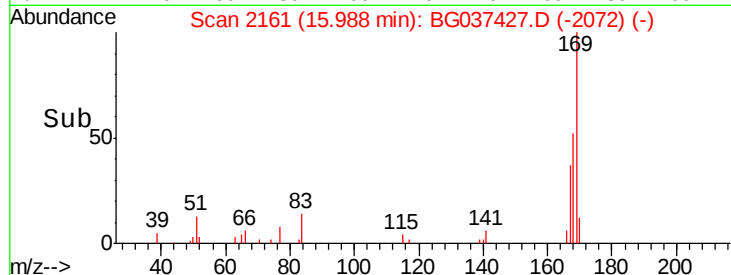
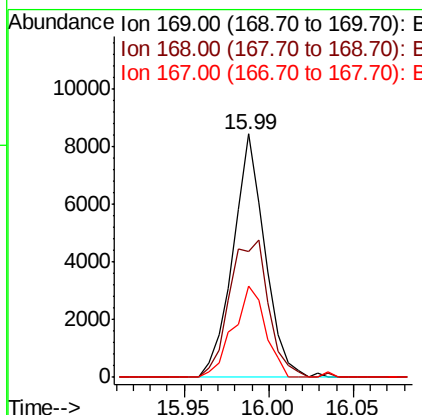
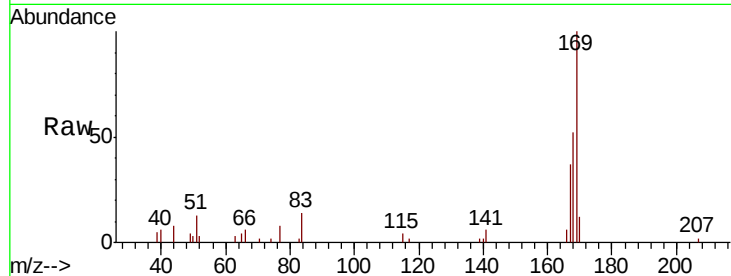




#66
n-Nitrosodiphenylamine
Concen: 0.906 ng
RT: 15.99 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

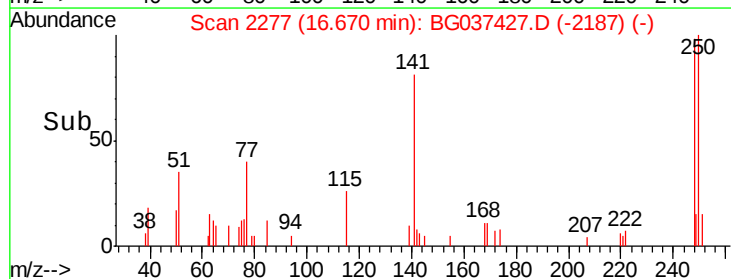
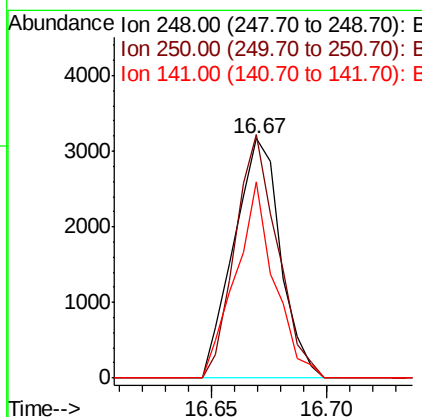
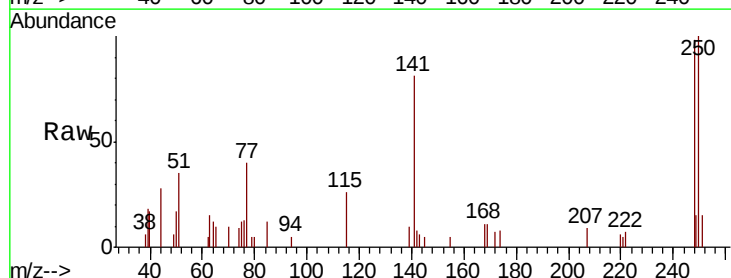
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

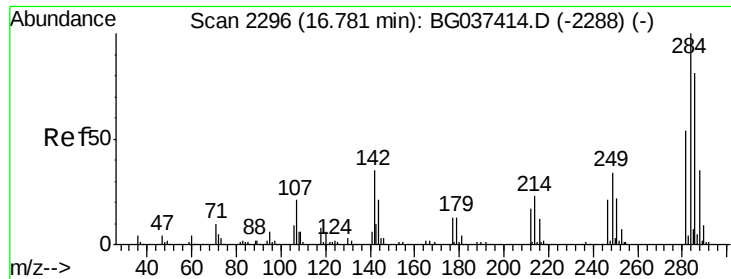
Tot Ion:169 Resp: 11085
Ion Ratio Lower Upper
169 100
168 51.9 55.7 83.5#
167 37.4 31.3 46.9



#67
4-Bromophenyl-phenylether
Concen: 0.998 ng
RT: 16.67 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:248 Resp: 4459
Ion Ratio Lower Upper
248 100
250 101.6 77.0 115.6
141 81.9 55.5 83.3





#68

Hexachlorobenzene

Concen: 0.970 ng

RT: 16.78 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

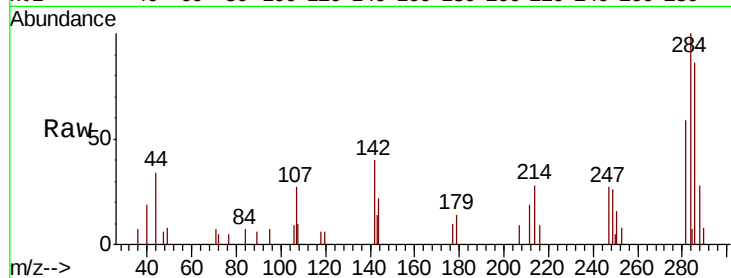
Tot Ion:284 Resp: 4492

Ion Ratio Lower Upper

284 100

142 40.5 28.1 42.1

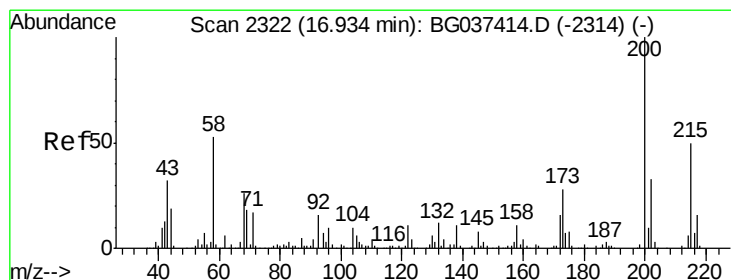
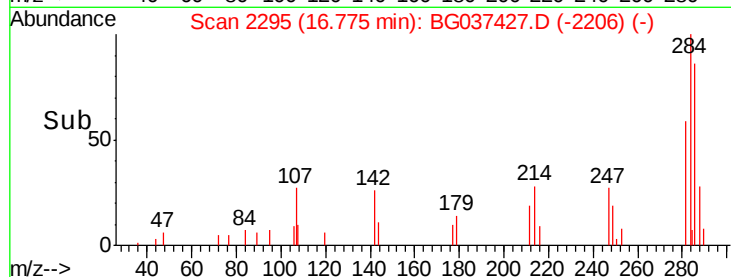
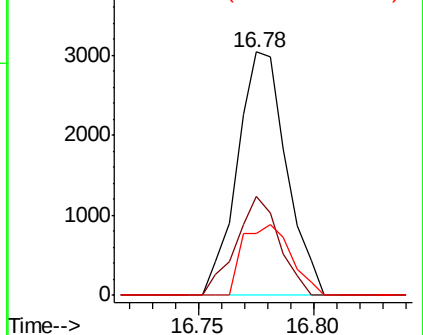
249 30.5 29.8 44.8



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: 0.843 ng

RT: 16.92 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

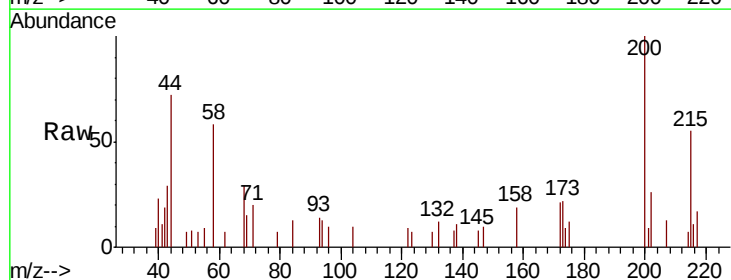
Tgt Ion:200 Resp: 3731

Ion Ratio Lower Upper

200 100

173 21.8 6.1 46.1

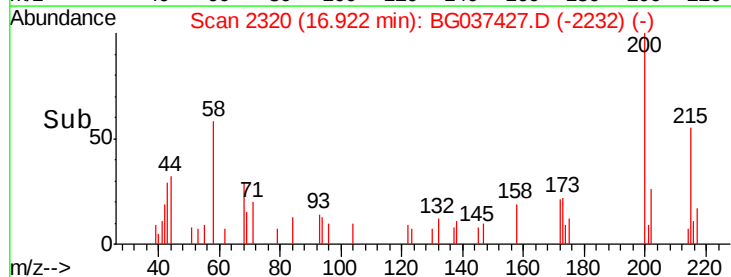
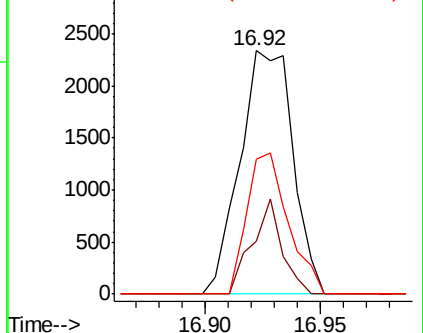
215 55.1 30.8 70.8

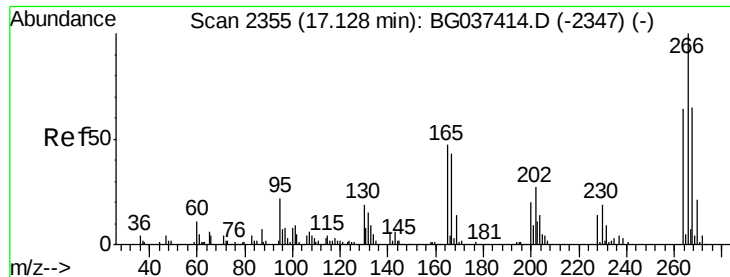


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

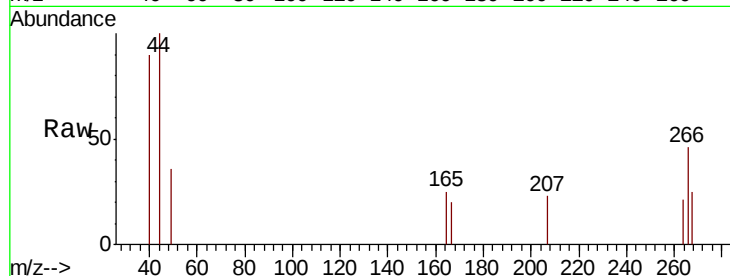




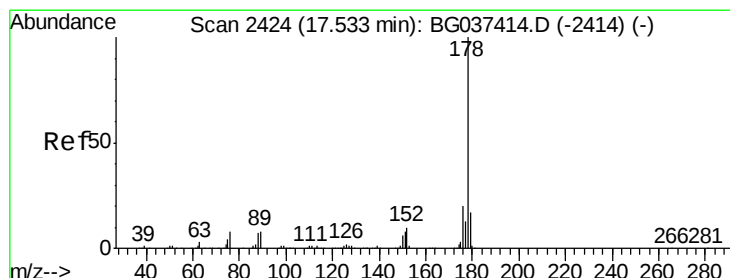
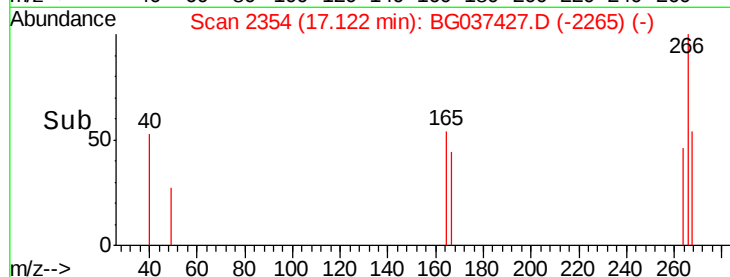
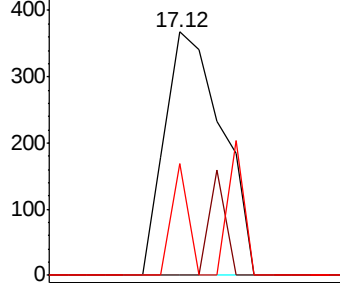
#70
 Pentachlorophenol
 Concen: 0.148 ng
 RT: 17.12 min Scan# 2354
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion:266 Resp: 460
 Ion Ratio Lower Upper
 266 100
 268 0.0 55.0 82.6#
 264 45.9 58.9 88.3#

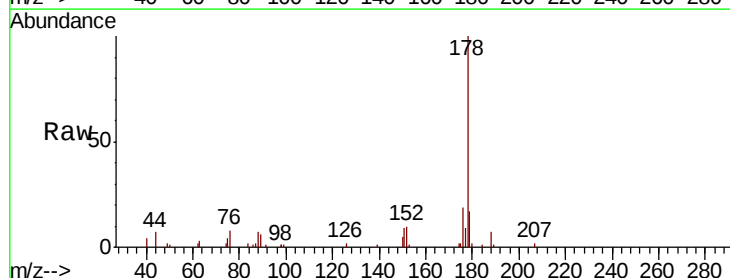


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

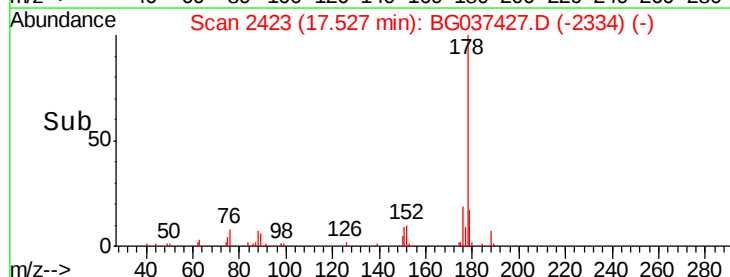
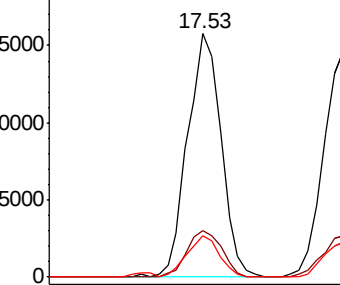


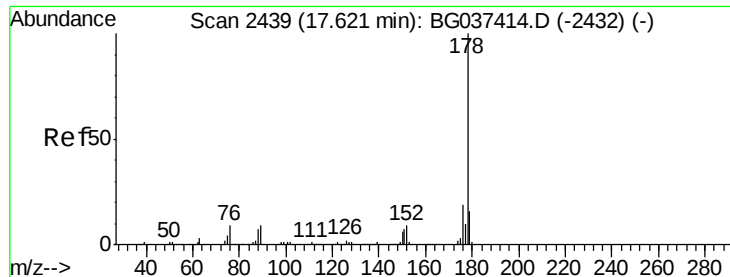
#71
 Phenanthrene
 Concen: 1.177 ng
 RT: 17.53 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:178 Resp: 24326
 Ion Ratio Lower Upper
 178 100
 176 19.1 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: 1.096 ng

RT: 17.62 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

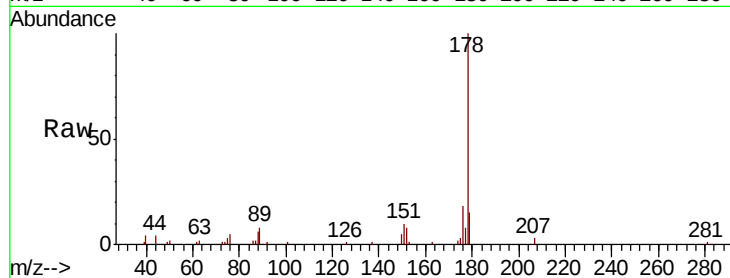
Tot Ion:178 Resp: 22233

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

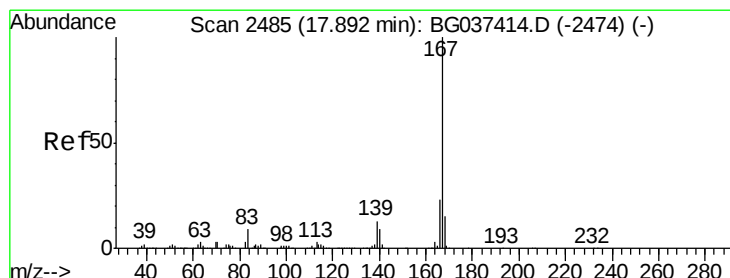
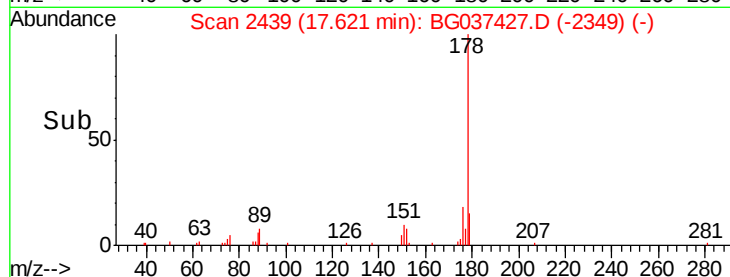
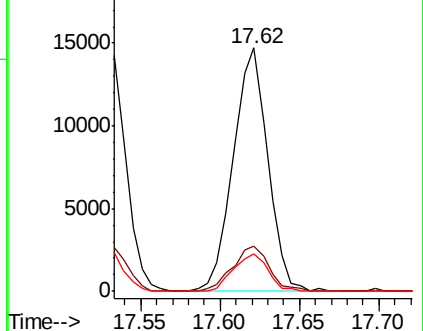
179 15.4 12.8 19.2



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: 0.889 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

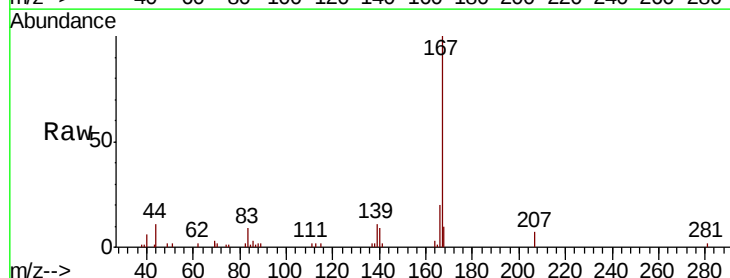
Tgt Ion:167 Resp: 18051

Ion Ratio Lower Upper

167 100

166 19.8 18.3 27.5

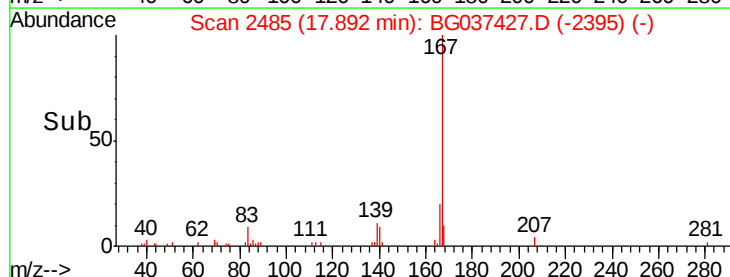
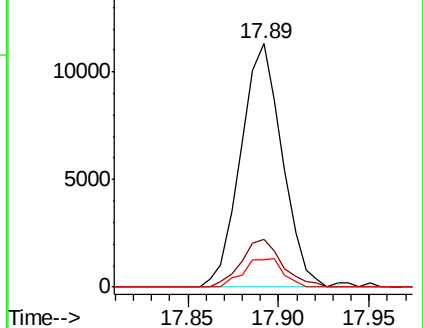
139 11.0 10.5 15.7

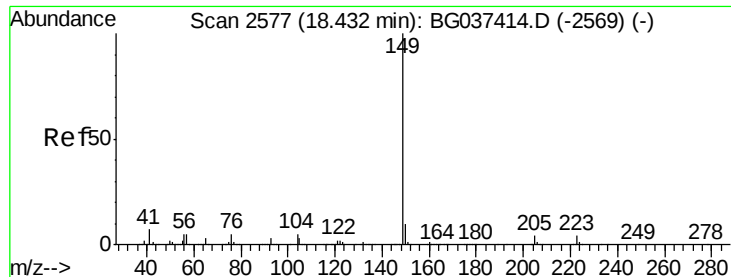


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

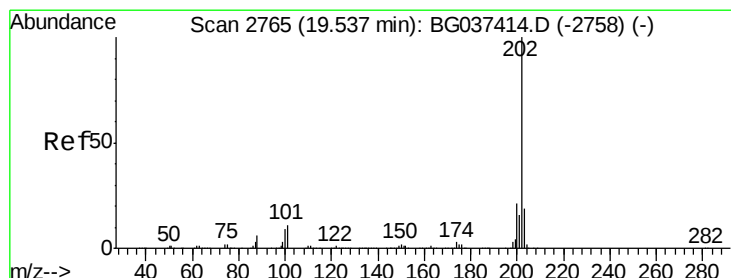
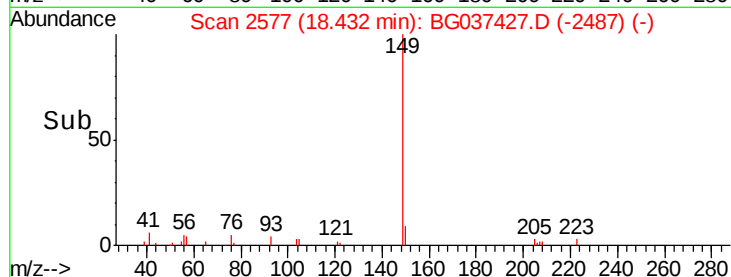
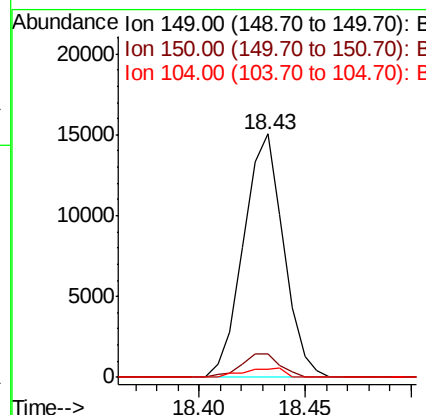
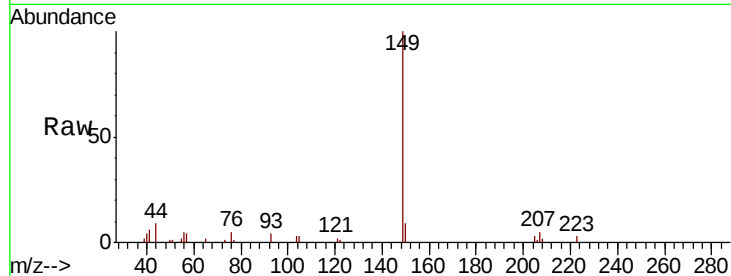




#74
Di-n-butylphthalate
Concen: 0.876 ng
RT: 18.43 min Scan# 2577
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

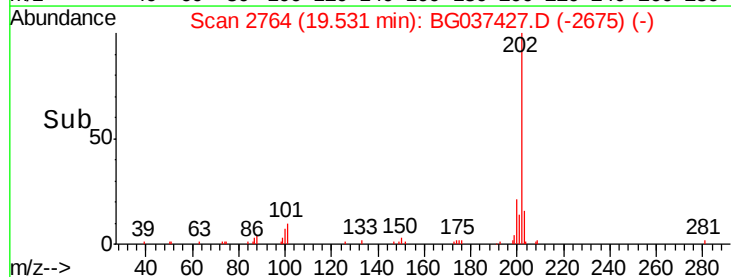
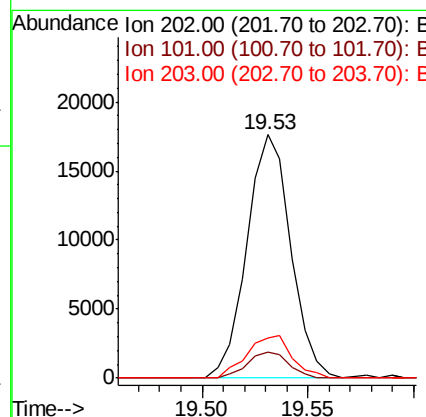
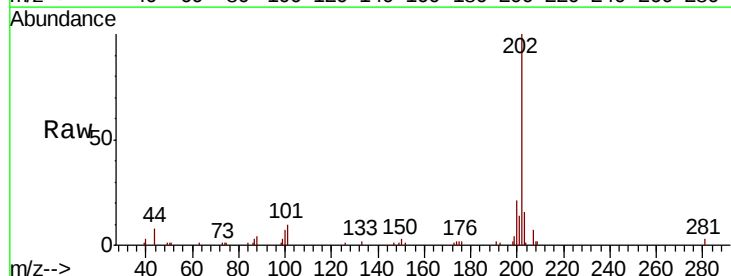
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

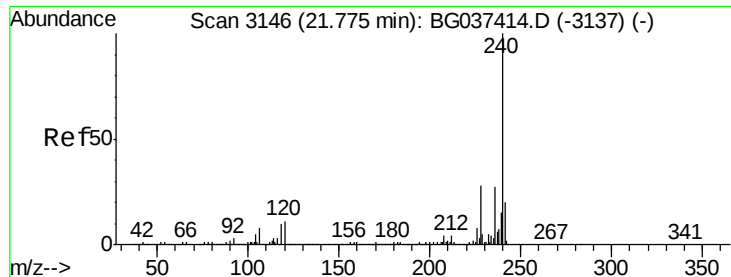
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.2	12.2
104	3.5	4.0	6.0



#75
Fluoranthene
Concen: 1.079 ng
RT: 19.53 min Scan# 2764
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	16.5	0.0	38.5

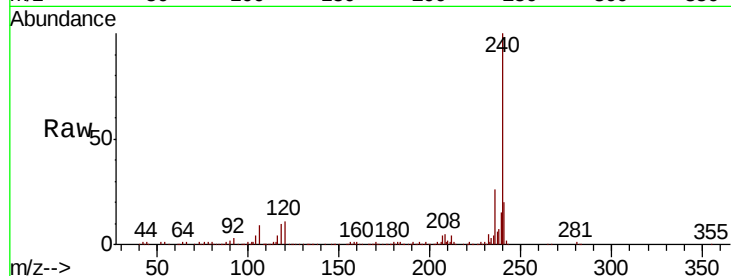




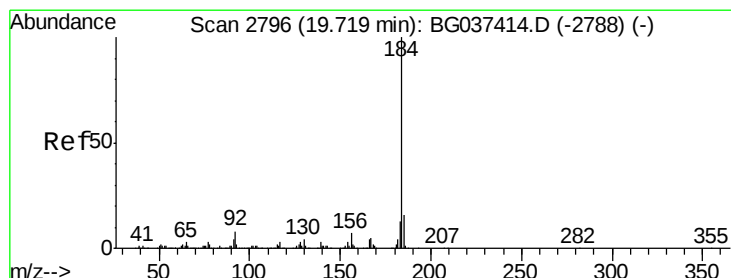
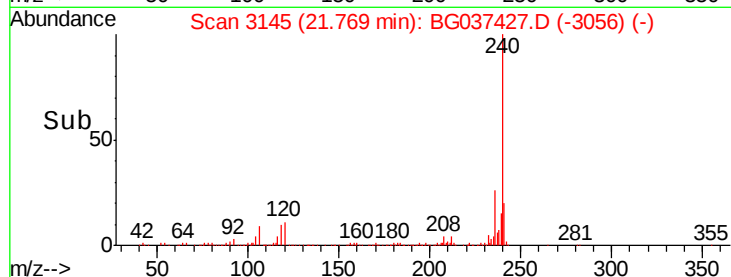
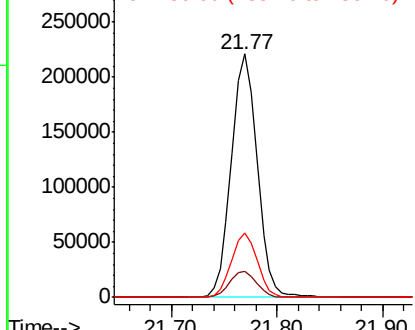
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion:240 Resp: 374858
Ion Ratio Lower Upper
240 100
120 10.7 8.1 12.1
236 26.3 21.4 32.0

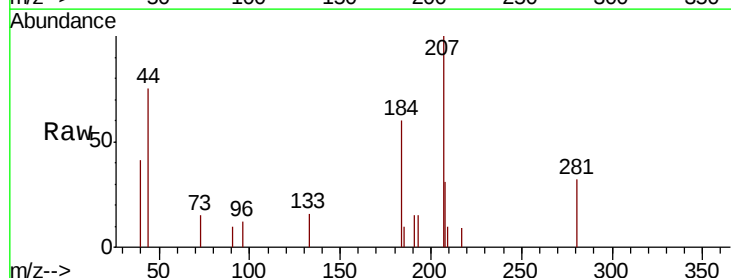


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

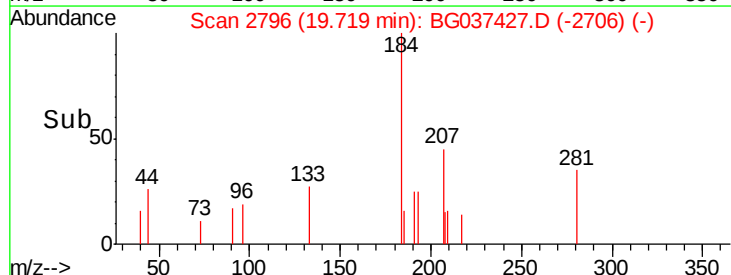
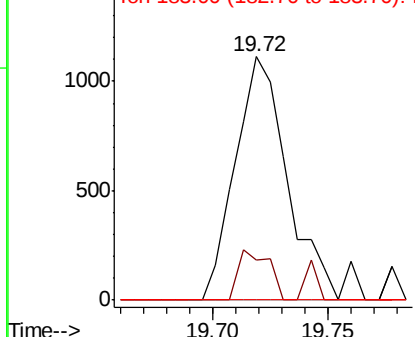


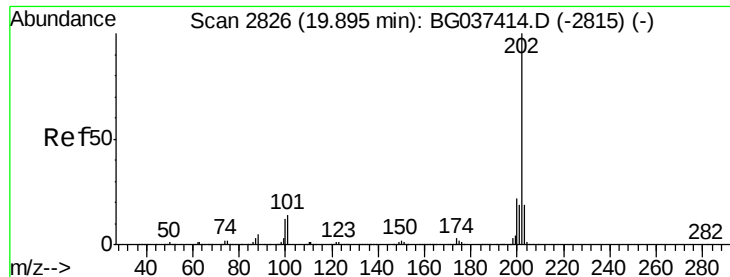
#77
Benzidine
Concen: 0.137 ng
RT: 19.72 min Scan# 2796
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:184 Resp: 1747
Ion Ratio Lower Upper
184 100
185 16.4 12.6 18.8
183 0.0 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

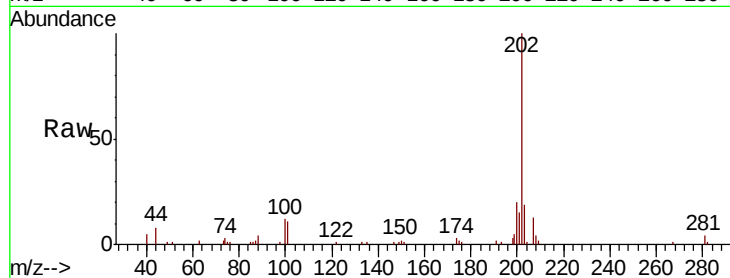




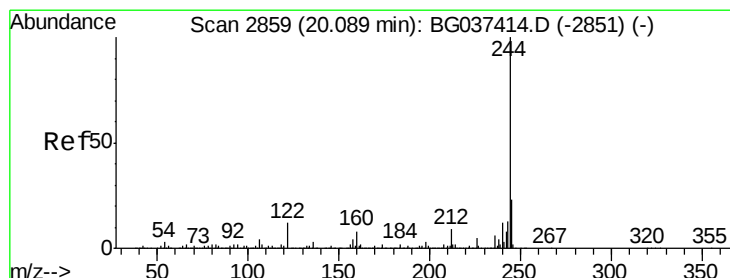
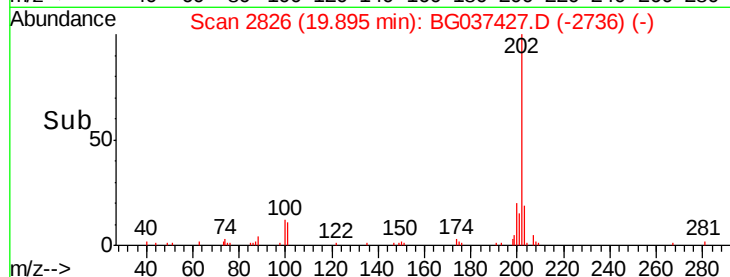
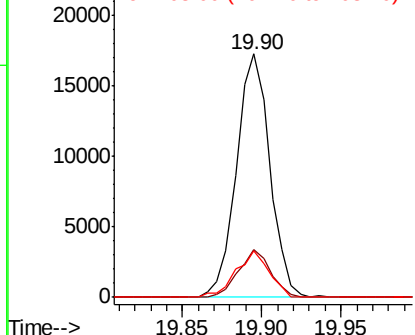
#78
Pvrene
Concen: 1.023 ng
RT: 19.90 min Scan# 2826
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

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

Tot Ion:202 Resp: 25074
Ion Ratio Lower Upper
202 100
200 19.8 17.8 26.6
203 19.0 15.2 22.8

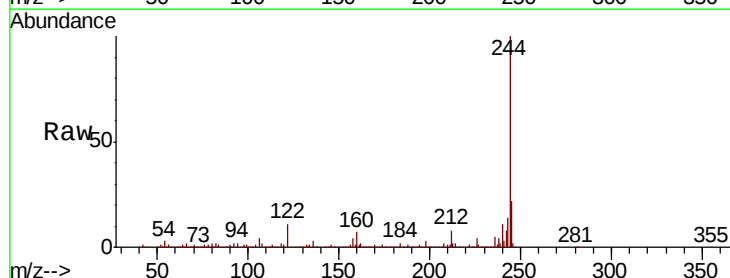


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

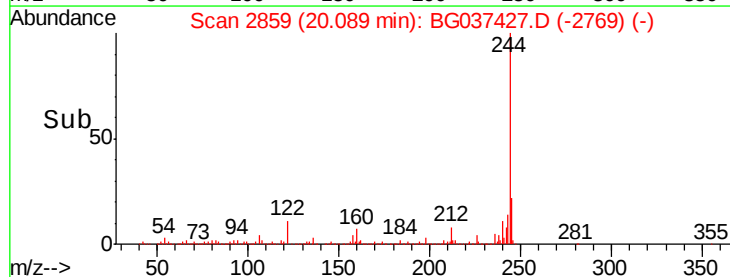
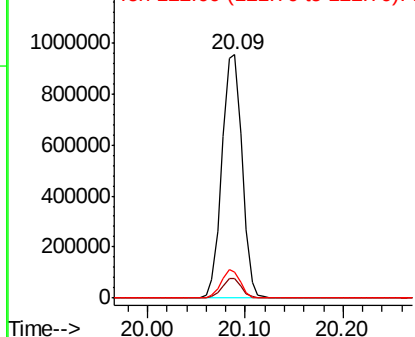


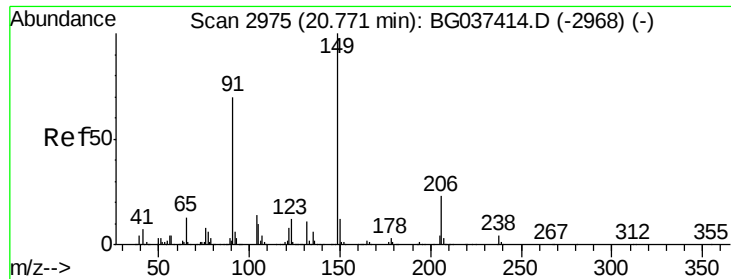
#79
Terphenyl-d14
Concen: 78.248 ng
RT: 20.09 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:244 Resp: 1372732
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 10.9 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

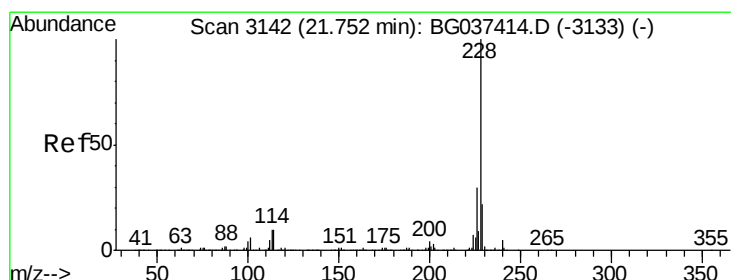
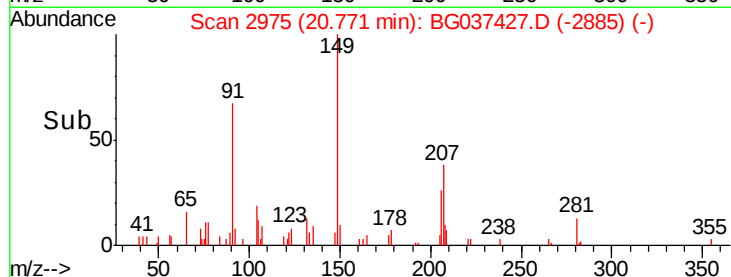
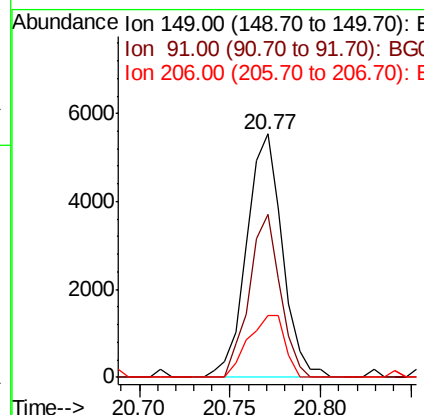
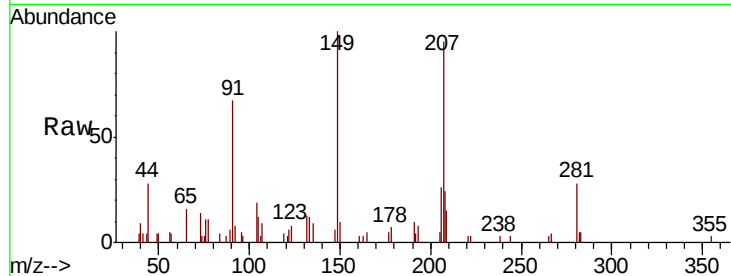




#80
Butylbenzylphthalate
Concen: 0.757 ng
RT: 20.77 min Scan# 2975
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

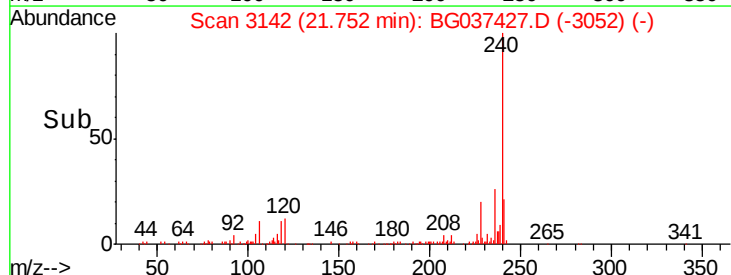
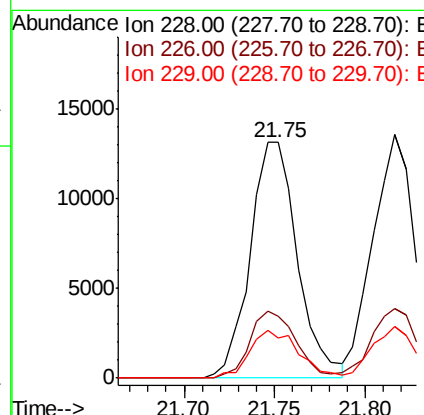
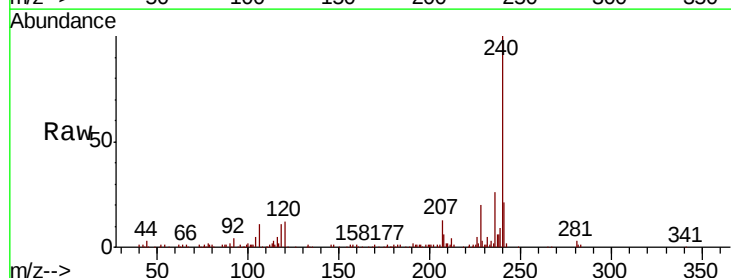
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

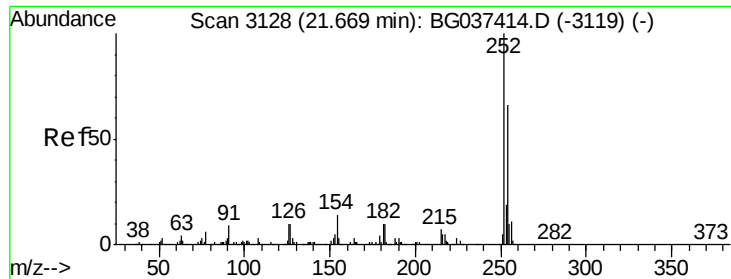
Tot Ion:149 Resp: 7591
Ion Ratio Lower Upper
149 100
91 66.9 57.0 85.4
206 25.6 17.8 26.6



#81
Benzo(a)anthracene
Concen: 1.082 ng
RT: 21.75 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion:228 Resp: 23990
Ion Ratio Lower Upper
228 100
226 26.4 22.6 33.8
229 17.2 16.3 24.5

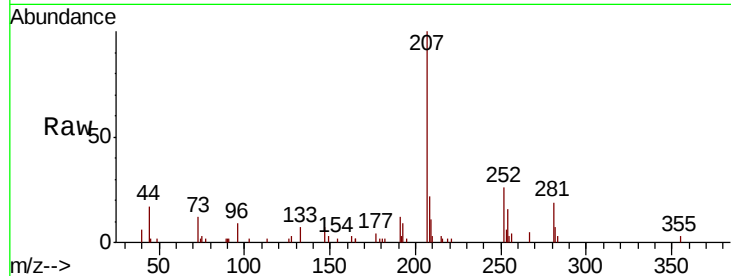




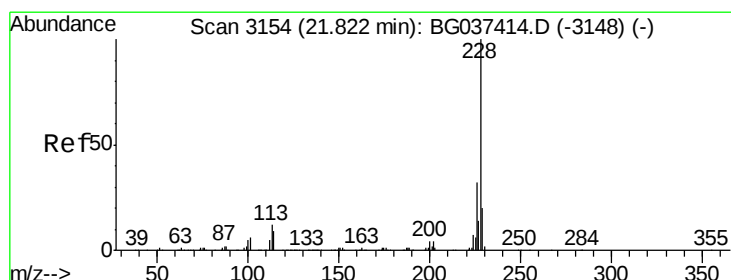
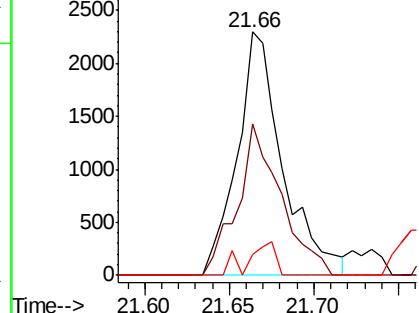
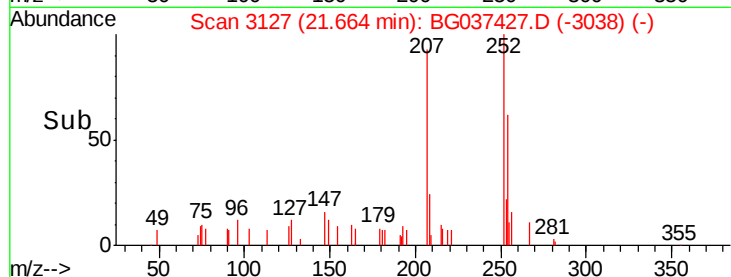
#82
 3,3'-Dichlorobenzidine
 Concen: 0.504 ng
 RT: 21.66 min Scan# 3127
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

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

Tot Ion:252 Resp: 4328
 Ion Ratio Lower Upper
 252 100
 254 62.1 52.0 78.0
 126 8.7 8.2 12.4

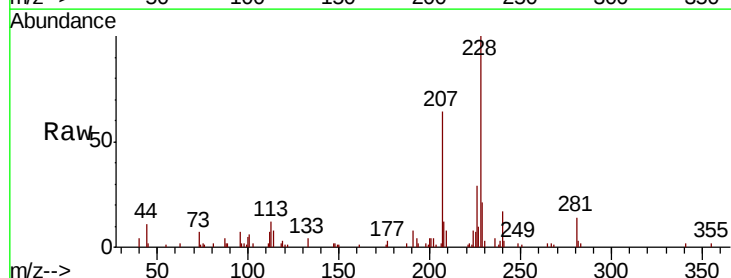


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

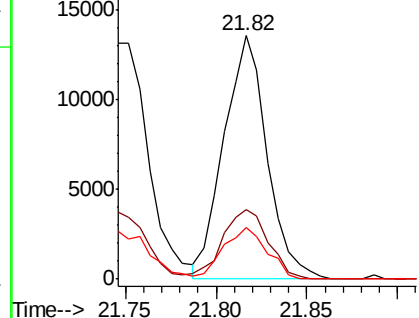
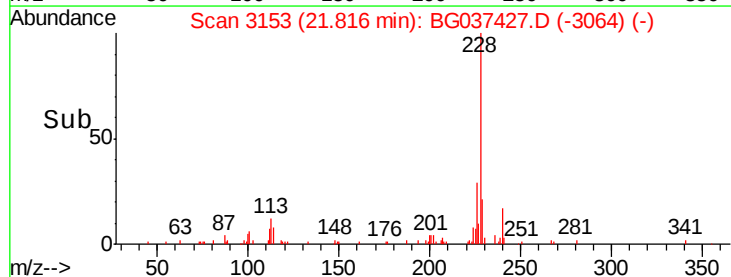


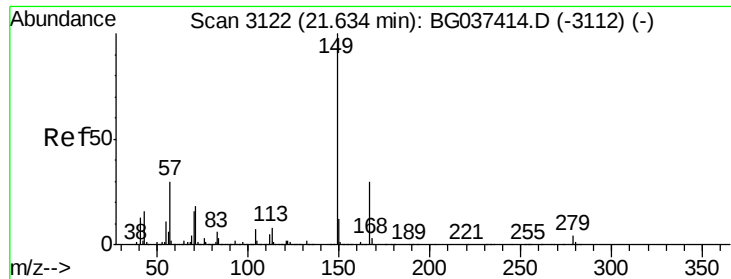
#83
 Chrysene
 Concen: 1.054 ng
 RT: 21.82 min Scan# 3153
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:228 Resp: 22466
 Ion Ratio Lower Upper
 228 100
 226 28.6 25.7 38.5
 229 21.0 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

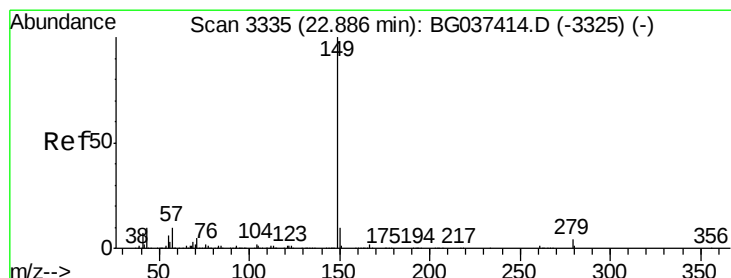
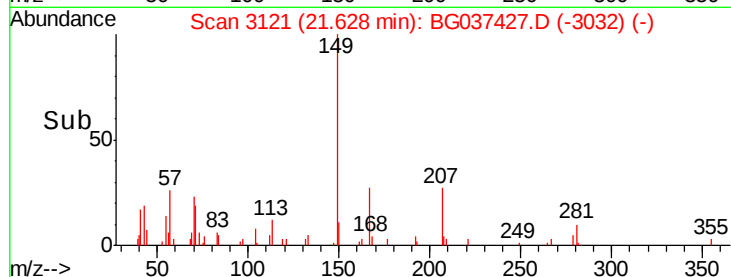
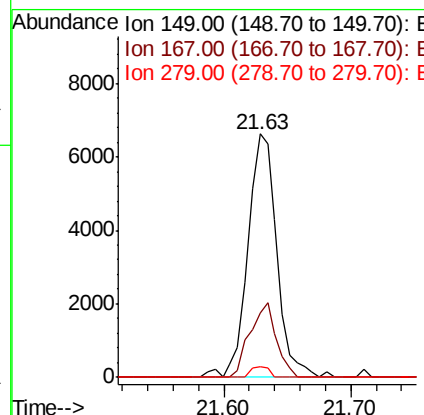
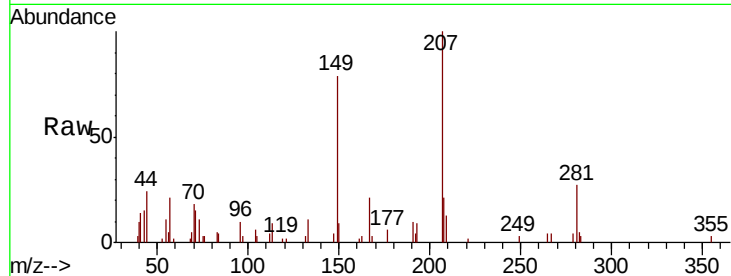




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.748 ng
 RT: 21.63 min Scan# 3121
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

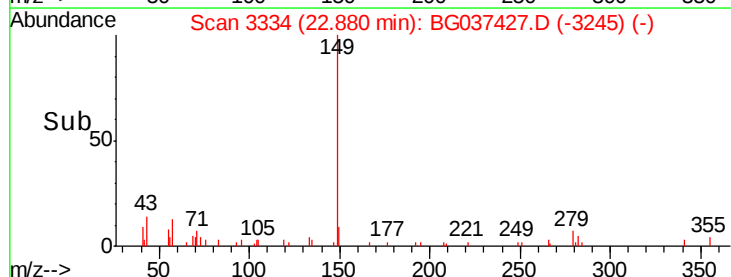
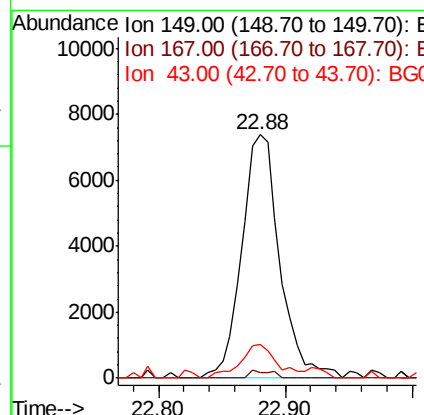
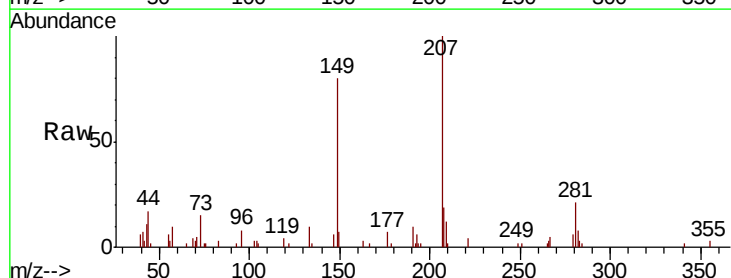
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

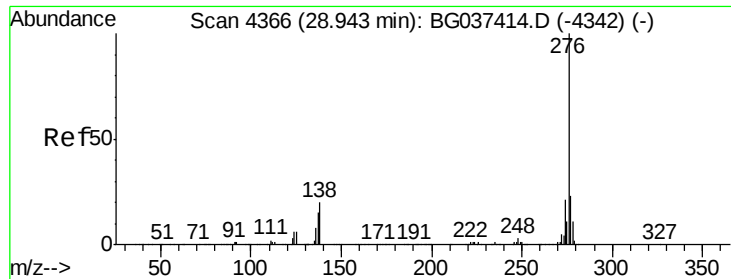
Tot Ion	149	Resp	10515
Ion Ratio	Lower	Upper	
149	100		
167	26.6	23.0	34.4
279	4.6	3.6	5.4



#85
 Di-n-octyl phthalate
 Concen: 0.669 ng
 RT: 22.88 min Scan# 3334
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion	149	Resp	15338
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	13.1	8.7	13.1

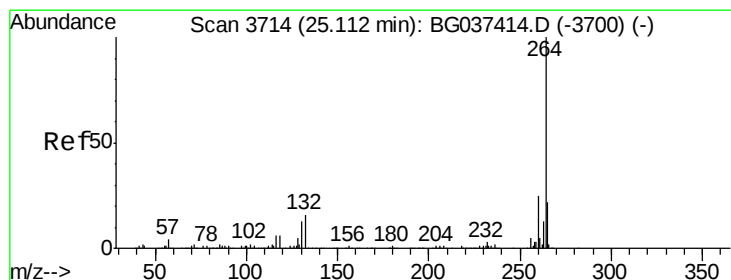
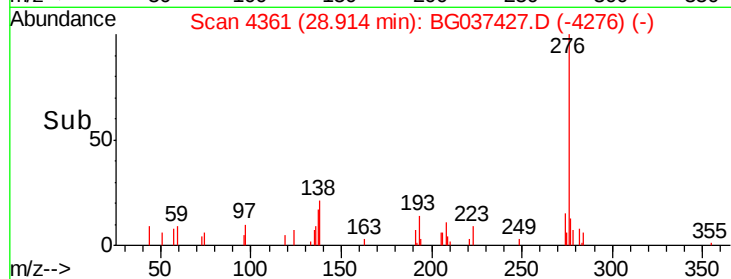
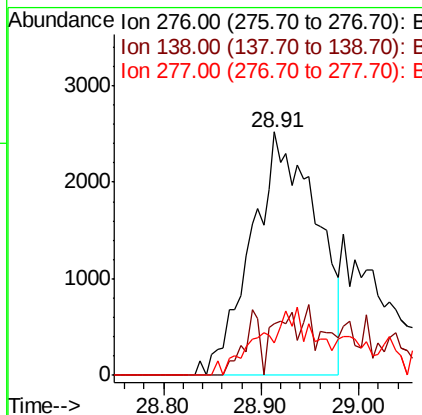
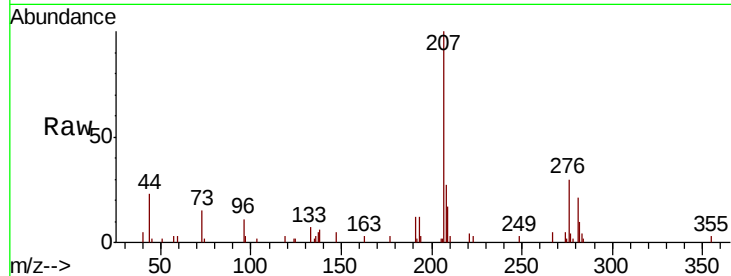




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.512 ng
 RT: 28.91 min Scan# 4361
 Delta R.T. -0.03 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

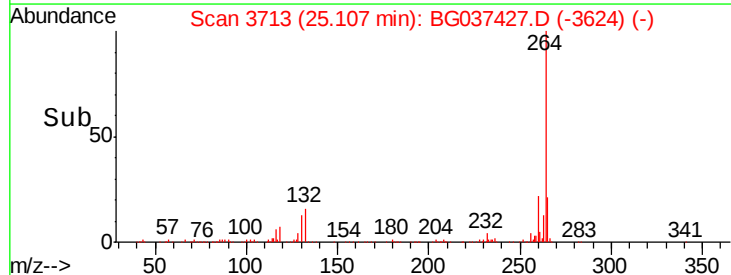
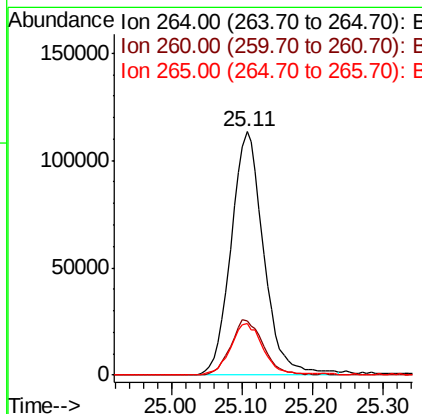
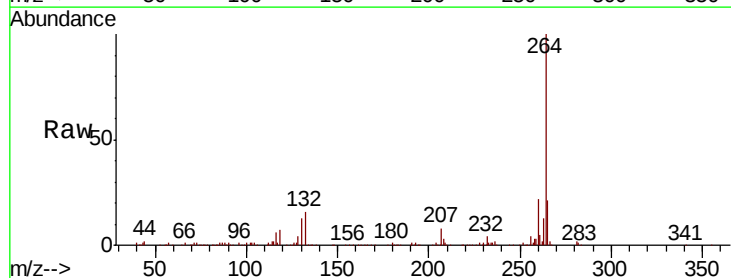
Instrument :
 BNA_G
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

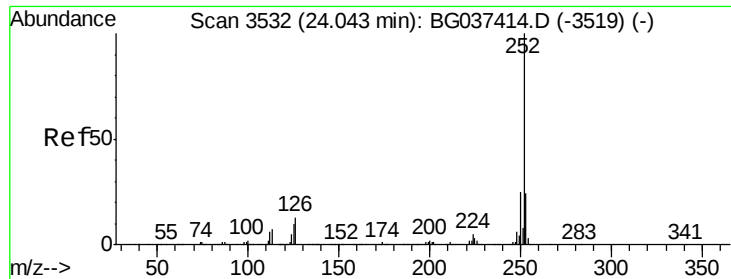
Tot Ion:276 Resp: 11710
 Ion Ratio Lower Upper
 276 100
 138 0.0 12.0 18.0#
 277 8.9 20.6 30.8#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.11 min Scan# 3713
 Delta R.T. -0.01 min
 Lab File: BG037427.D
 Acq: 18 Oct 2018 19:55

Tgt Ion:264 Resp: 364270
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.2 27.4
 265 21.3 17.9 26.9

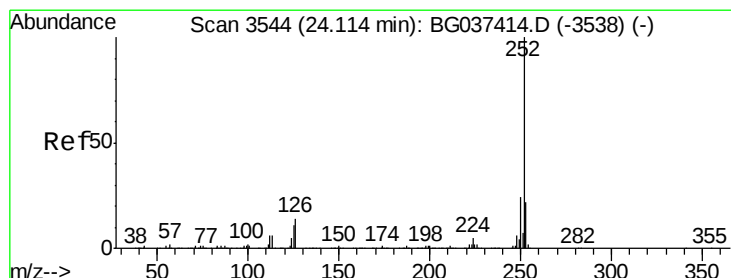
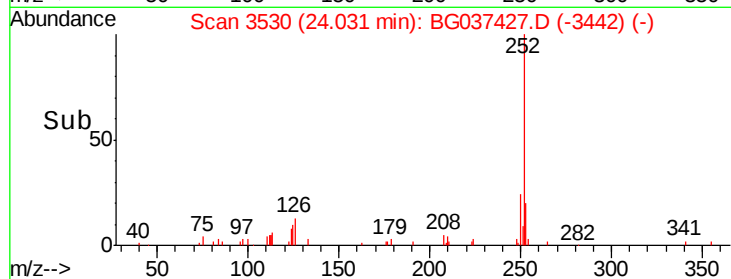
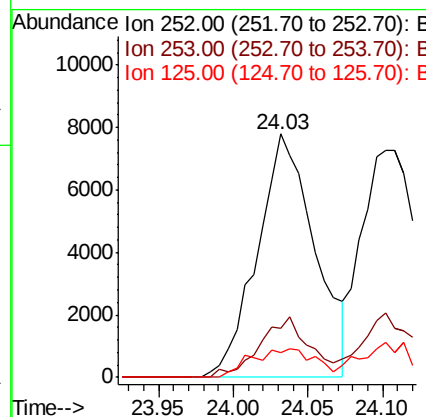
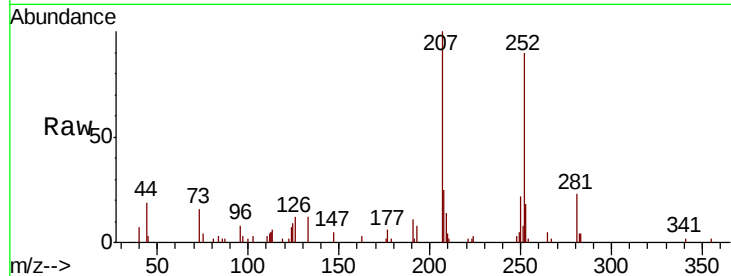




#88
Benzo(b)fluoranthene
Concen: 1.047 ng
RT: 24.03 min Scan# 3530
Delta R.T. -0.01 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

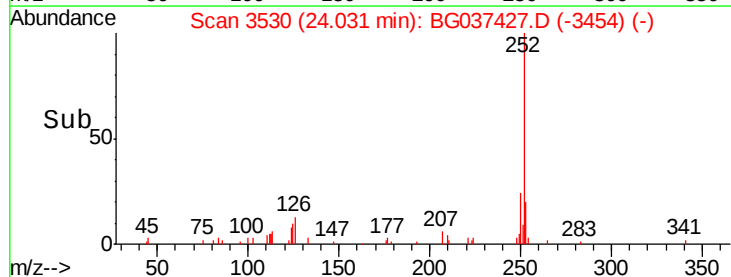
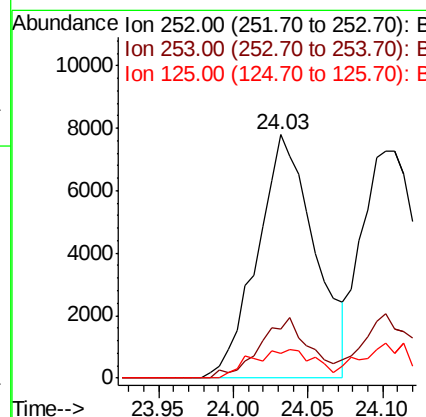
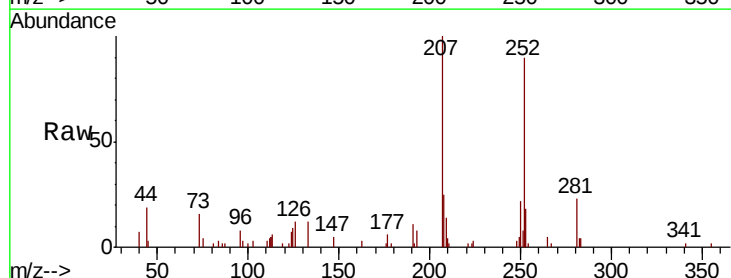
Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

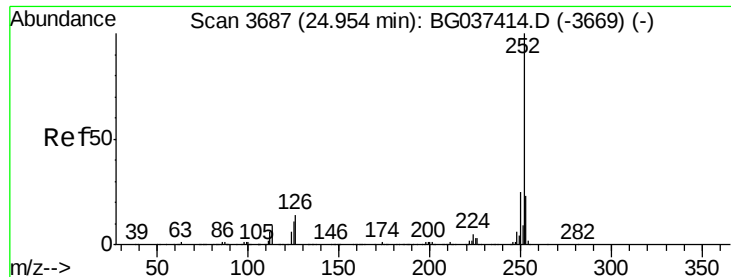
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.2	18.2	27.2
125	10.1	7.8	11.6



#89
Benzo(k)fluoranthene
Concen: 1.068 ng
RT: 24.03 min Scan# 3530
Delta R.T. -0.08 min
Lab File: BG037427.D
Acq: 18 Oct 2018 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.2
125	10.1	7.4	11.0





#90

Benzo(a)pyrene

Concen: 0.965 ng

RT: 24.94 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

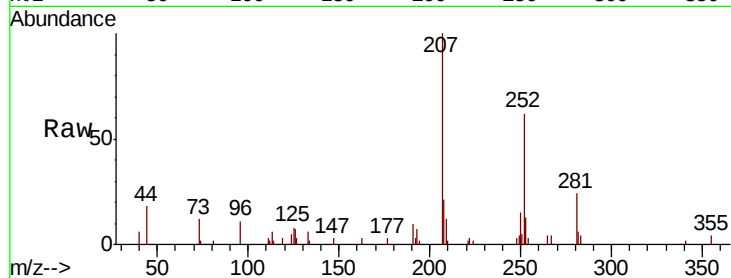
Tot Ion:252 Resp: 18310

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

125 12.7 9.0 13.6

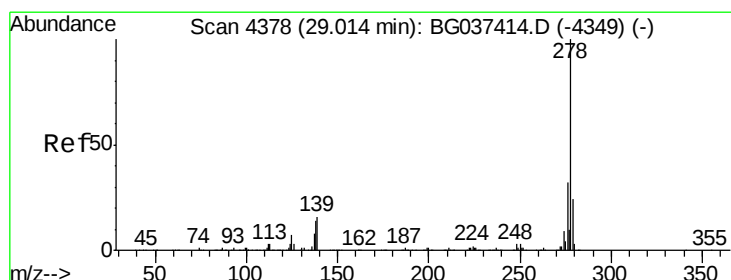
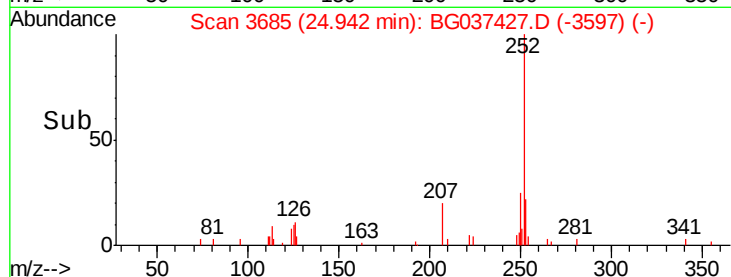
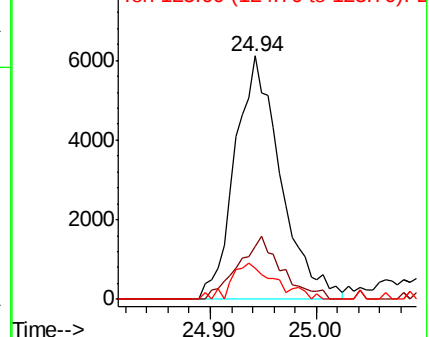


Abundance

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: 0.649 ng

RT: 29.00 min Scan# 4375

Delta R.T. -0.02 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

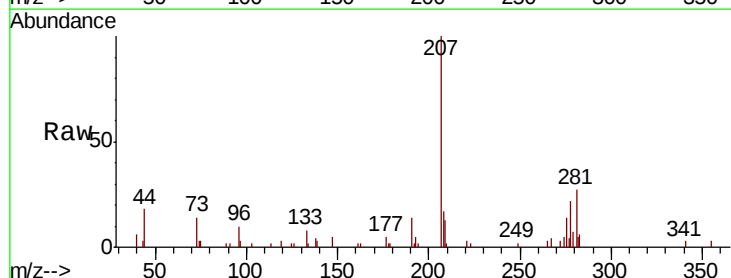
Tgt Ion:278 Resp: 11361

Ion Ratio Lower Upper

278 100

139 13.2 11.5 17.3

279 30.3 18.6 27.8#

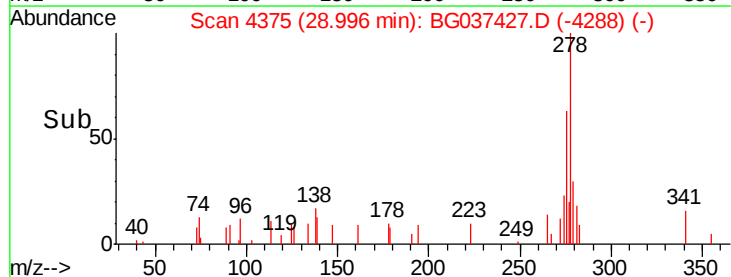
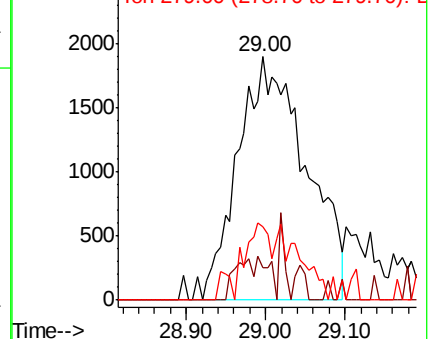


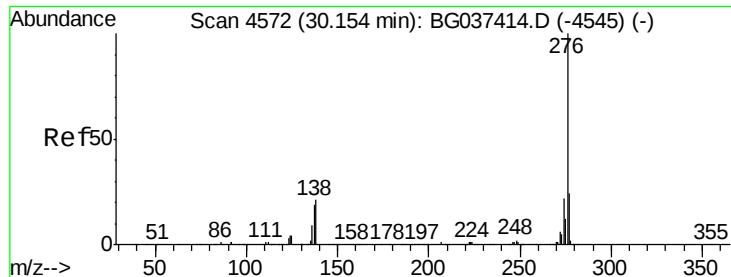
Abundance

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(a,h,i)perylene

Concen: 0.872 ng

RT: 30.11 min Scan# 4565

Delta R.T. -0.04 min

Lab File: BG037427.D

Acq: 18 Oct 2018 19:55

Instrument :

BNA_G

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tot Ion: 276 Resp: 15439

Ion Ratio Lower Upper

276 100

277 19.1 18.9 28.3

138 29.0 17.2 25.8#

