

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037450.D
 Acq On : 19 Oct 2018 12:42
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 19 23:28:33 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	50883	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	236383	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	160987	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	384858	20.00	ng	0.00
76) Chrysene-d12	21.77	240	363962	20.00	ng	0.00
87) Perylene-d12	25.10	264	357568	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	427136	140.34	ng	0.00
7) Phenol-d6	7.25	99	631961	137.32	ng	0.00
23) Nitrobenzene-d5	9.28	82	355527	84.25	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	239315	136.29	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	869303	81.43	ng	0.00
79) Terphenyl-d14	20.09	244	1316063	77.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.54	88	7866	5.096	ng	# 82
3) Pyridine	3.95	79	19367	4.978	ng	96
4) n-Nitrosodimethylamine	3.86	42	7747	5.591	ng	# 89
6) Aniline	7.44	93	19044	3.392	ng	97
8) 2-Chlorophenol	7.67	128	19345	5.433	ng	89
9) Benzaldehyde	7.25	77	13396	4.653	ng	92
10) Phenol	7.28	94	25071	5.163	ng	94
11) bis(2-Chloroethyl)ether	7.52	93	18693	5.069	ng	93
12) 1,3-Dichlorobenzene	8.14	146	20896	5.272	ng	95
13) 1,4-Dichlorobenzene	8.14	146	20896	5.154	ng	93
14) 1,2-Dichlorobenzene	8.46	146	19456	4.988	ng	95
15) Benzyl Alcohol	8.35	79	15944	4.689	ng	85
16) 2,2'-oxybis(1-Chloropropan	8.63	45	33799	5.122	ng	93
17) 2-Methylphenol	8.54	107	16142	5.028	ng	96
18) Hexachloroethane	9.19	117	7391	5.347	ng	98
19) n-Nitroso-di-n-propylamine	8.91	70	15107	4.767	ng	# 89
20) 3+4-Methylphenols	8.86	107	22446	4.890	ng	94
22) Acetophenone	8.93	105	30869	5.207	ng	# 96
24) Nitrobenzene	9.33	77	22978	5.242	ng	96
25) Isophorone	9.84	82	40289	5.225	ng	99
26) 2-Nitrophenol	10.04	139	8581	4.345	ng	94
27) 2,4-Dimethylphenol	10.07	122	19076	5.410	ng	88
28) bis(2-Chloroethoxy)methane	10.33	93	27405	5.425	ng	98
29) 2,4-Dichlorophenol	10.56	162	18953	4.828	ng	98
30) 1,2,4-Trichlorobenzene	10.79	180	20709	4.851	ng	97
31) Naphthalene	10.98	128	64946	5.594	ng	99
32) Benzoic acid	10.12	122	3574	1.561	ng	# 76
33) 4-Chloroaniline	11.09	127	18238	3.343	ng	# 93
34) Hexachlorobutadiene	11.24	225	12576	4.970	ng	89
35) Caprolactam	11.85	113	5463	3.470	ng	97
36) 4-Chloro-3-methylphenol	12.18	107	20469	4.623	ng	98
37) 2-Methylnaphthalene	12.58	142	48174	5.692	ng	97
38) 1-Methylnaphthalene	12.79	142	46649	5.675	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	24653	4.748	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	12578	5.071	ng	96
43) 2,4,6-Trichlorophenol	13.17	196	14965	4.314	ng	100
44) 2,4,5-Trichlorophenol	13.24	196	17627	4.667	ng	93
46) 1,1'-Biphenyl	13.58	154	63133	4.735	ng	96
47) 2-Chloronaphthalene	13.62	162	49970	4.954	ng	98
48) 2-Nitroaniline	13.83	65	12616	4.125	ng	95
49) Acenaphthylene	14.46	152	83355	5.494	ng	100
50) Dimethylphthalate	14.19	163	64746	5.199	ng	98
51) 2,6-Dinitrotoluene	14.32	165	12641	4.588	ng #	92
52) Acenaphthene	14.80	154	47774	5.112	ng	96
53) 3-Nitroaniline	14.65	138	11088	3.625	ng #	95
54) 2,4-Dinitrophenol	14.85	184	649	7.138	ng #	78
55) Dibenzofuran	15.14	168	82641	5.338	ng	94
56) 4-Nitrophenol	14.93	139	6854	3.027	ng	93
57) 2,4-Dinitrotoluene	15.09	165	15681	4.336	ng	96
58) Fluorene	15.79	166	64972	5.604	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.35	232	14227	4.399	ng #	97
60) Diethylphthalate	15.54	149	64947	5.079	ng	97
61) 4-Chlorophenyl-phenylether	15.77	204	33442	4.949	ng	98
62) 4-Nitroaniline	15.81	138	13229	4.353	ng	92
63) Azobenzene	16.07	77	63950	5.242	ng	98
65) 4,6-Dinitro-2-methylphenol	15.85	198	3015	9.736	ng	91
66) n-Nitrosodiphenylamine	15.99	169	57130	4.935	ng	97
67) 4-Bromophenyl-phenylether	16.67	248	20433	4.835	ng	98
68) Hexachlorobenzene	16.78	284	20890	4.769	ng	98
69) Atrazine	16.93	200	19288	4.608	ng	95
70) Pentachlorophenol	17.13	266	6295	2.146	ng #	88
71) Phenanthrene	17.52	178	109845	5.616	ng	98
72) Anthracene	17.62	178	107918	5.622	ng	98
73) Carbazole	17.89	167	96734	5.038	ng #	96
74) Di-n-butylphthalate	18.43	149	106923	5.006	ng #	96
75) Fluoranthene	19.53	202	124021	5.590	ng	96
77) Benzidine	19.72	184	12957	1.047	ng	98
78) Pyrene	19.89	202	128064	5.382	ng	93
80) Butylbenzylphthalate	20.77	149	43108	4.427	ng	98
81) Benzo(a)anthracene	21.75	228	117503	5.458	ng	98
82) 3,3'-Dichlorobenzidine	21.67	252	24825	2.975	ng	99
83) Chrysene	21.81	228	113382	5.477	ng	94
84) Bis(2-ethylhexyl)phthalate	21.63	149	59351	4.348	ng	94
85) Di-n-octyl phthalate	22.88	149	96851	4.351	ng	99
86) Indeno(1,2,3-cd)pyrene	28.92	276	34095	1.536	ng #	73
88) Benzo(b)fluoranthene	24.03	252	101148	5.160	ng	95
89) Benzo(k)fluoranthene	24.10	252	106241	5.532	ng	98
90) Benzo(a)pyrene	24.95	252	97471	5.233	ng	98
91) Dibenzo(a,h)anthracene	28.99	278	73619	4.285	ng	98
92) Benzo(g,h,i)perylene	30.13	276	79221	4.557	ng	94

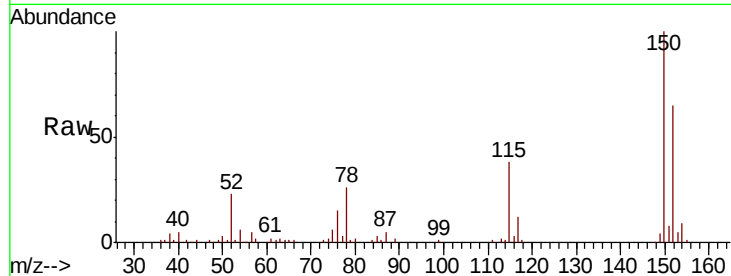
(#) = qualifier out of range (m) = manual integration (+) = signals summed



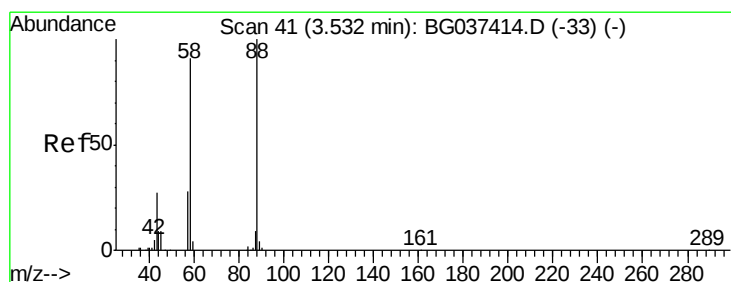
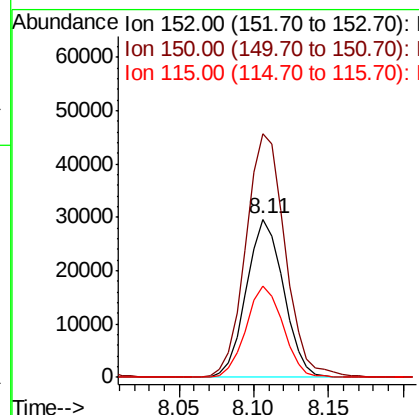
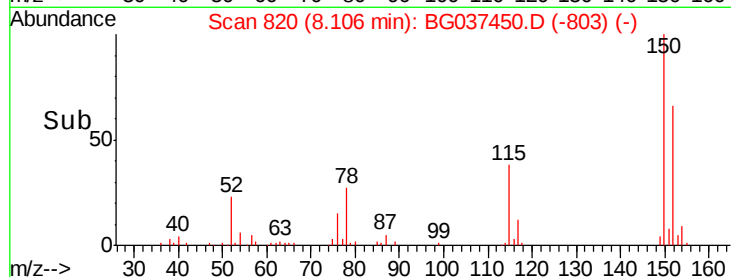
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 50883
 Ion Ratio Lower Upper
 152 100
 150 153.9 126.0 189.0
 115 57.9 45.5 68.3

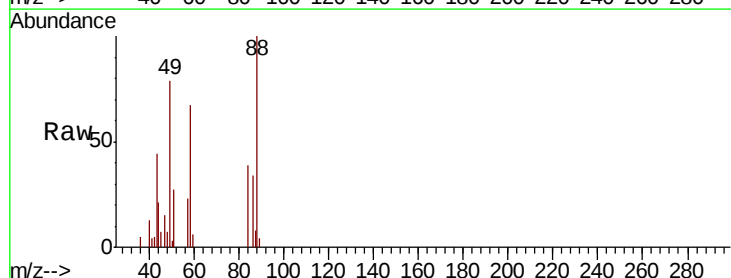


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

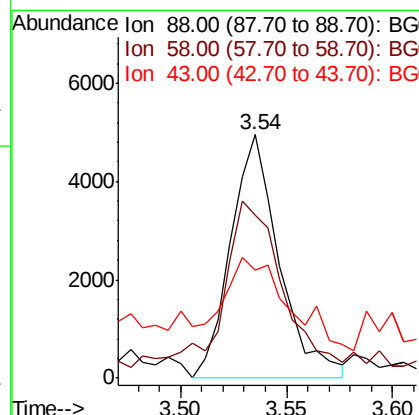
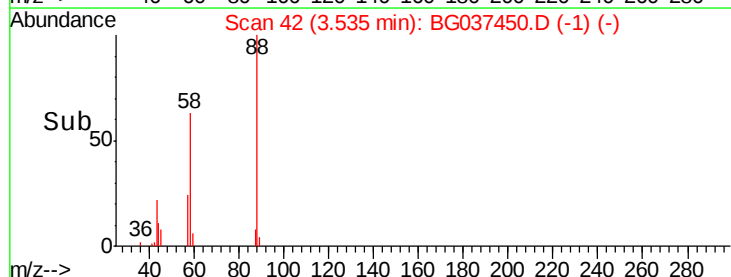


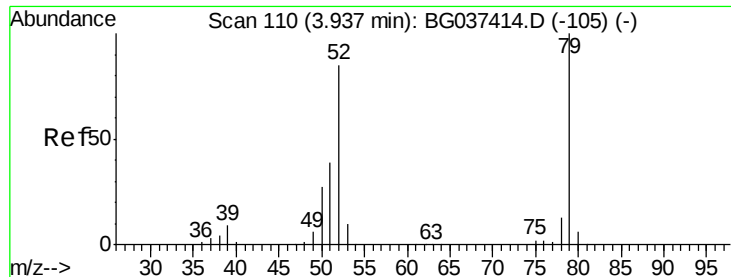
#2
 1,4-Dioxane
 Concen: 5.096 ng
 RT: 3.54 min Scan# 42
 Delta R.T. 0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion: 88 Resp: 7866
 Ion Ratio Lower Upper
 88 100
 58 81.8 74.4 111.6
 43 51.9 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

Pyridine

Concen: 4.978 ng

RT: 3.95 min Scan# 112

Delta R.T. 0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

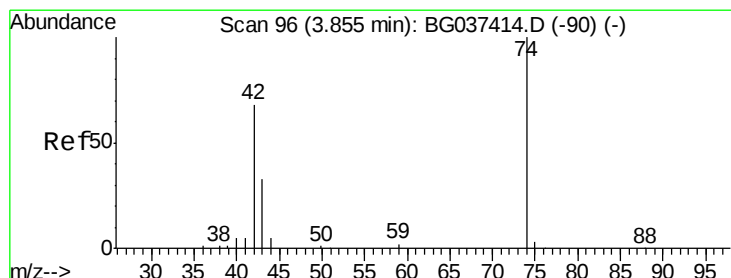
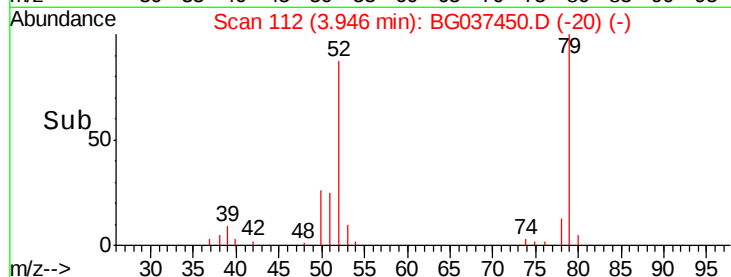
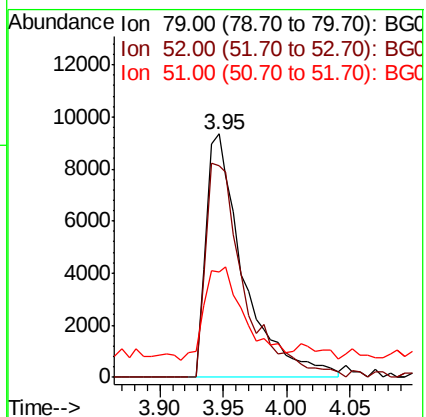
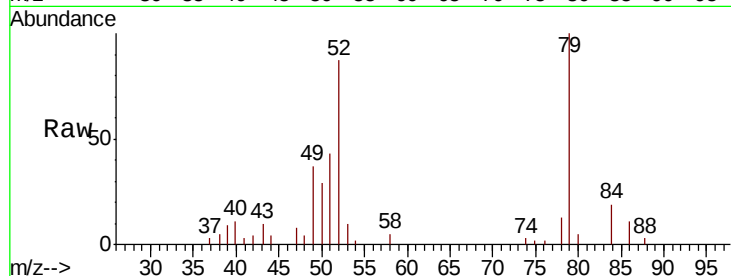
Tgt Ion: 79 Resp: 19367

Ion Ratio Lower Upper

79 100

52 86.8 74.2 111.2

51 43.0 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 5.591 ng

RT: 3.86 min Scan# 98

Delta R.T. 0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

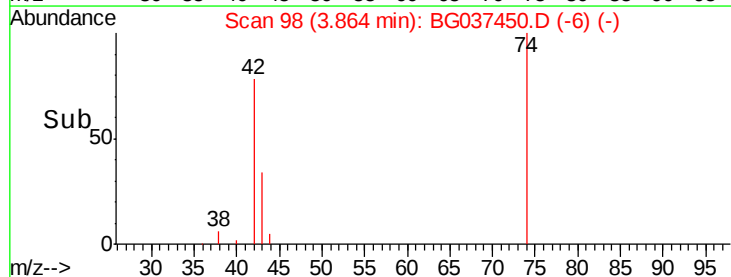
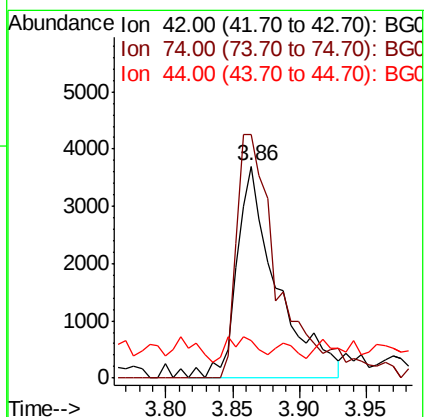
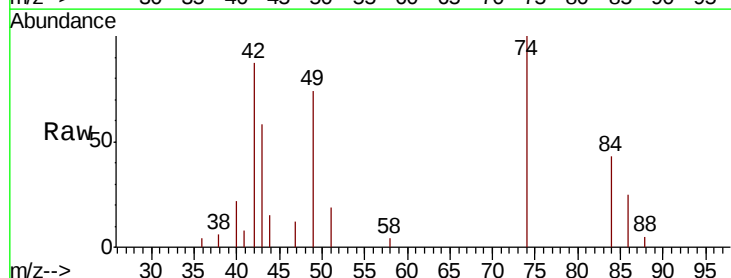
Tgt Ion: 42 Resp: 7747

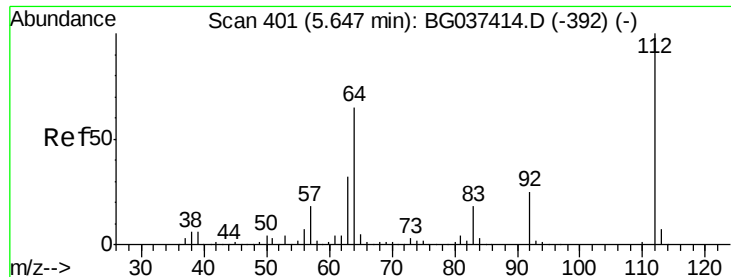
Ion Ratio Lower Upper

42 100

74 114.7 102.0 153.0

44 17.6 9.6 14.4#





#5

2-Fluorophenol

Concen: 140.343 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

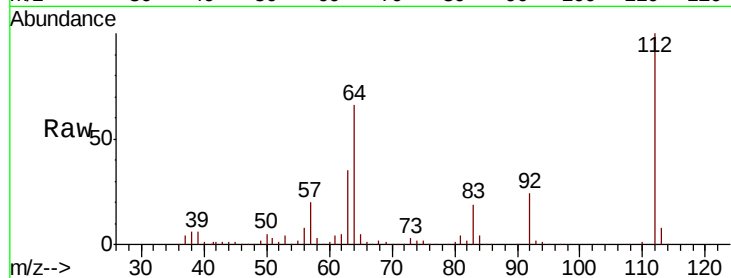
Tgt Ion: 112 Resp: 427136

Ion Ratio Lower Upper

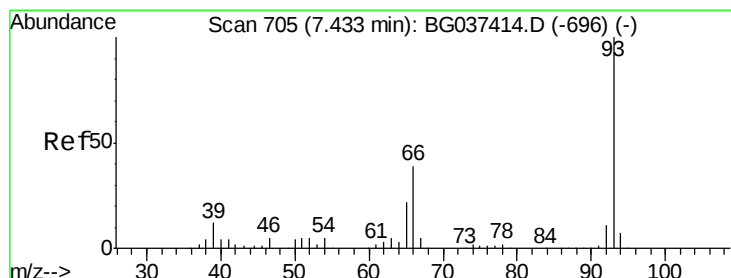
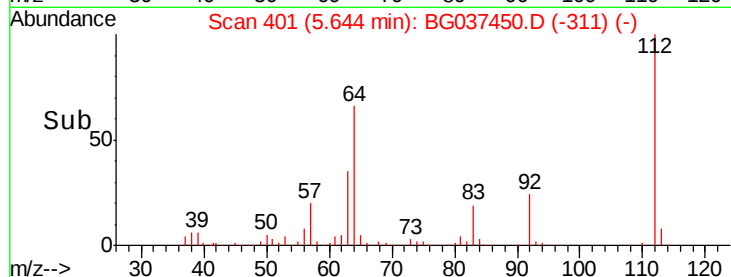
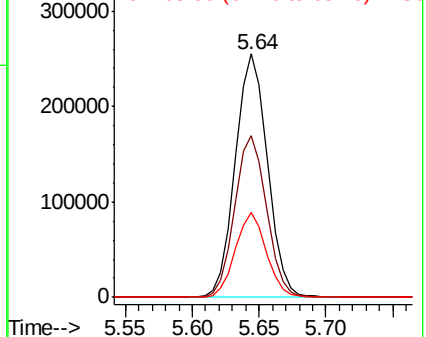
112 100

64 66.3 53.1 79.7

63 34.7 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: 3.392 ng

RT: 7.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

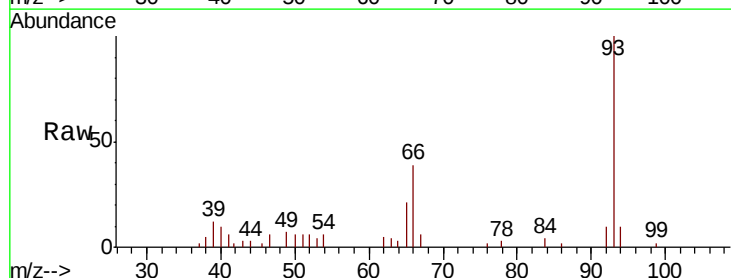
Tgt Ion: 93 Resp: 19044

Ion Ratio Lower Upper

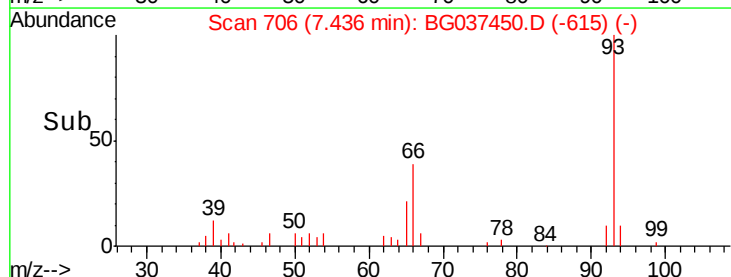
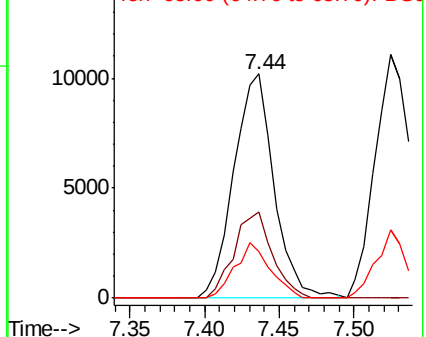
93 100

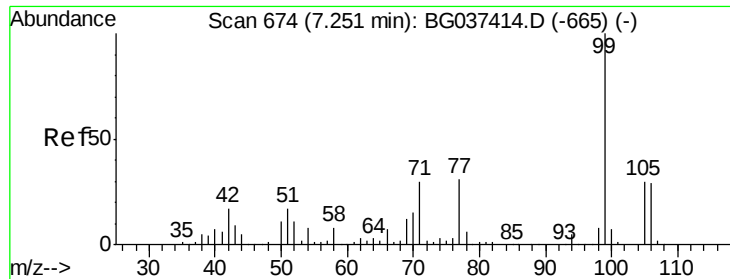
66 38.6 32.8 49.2

65 20.9 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: 137.318 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

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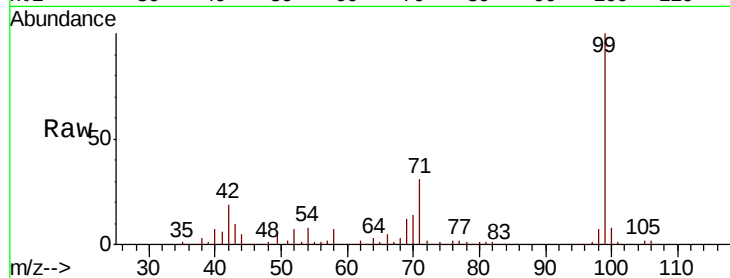
Tgt Ion: 99 Resp: 631961

Ion Ratio Lower Upper

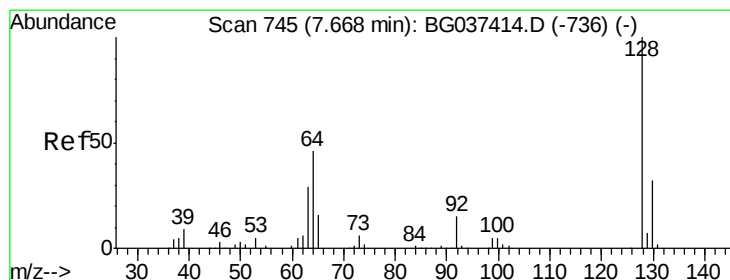
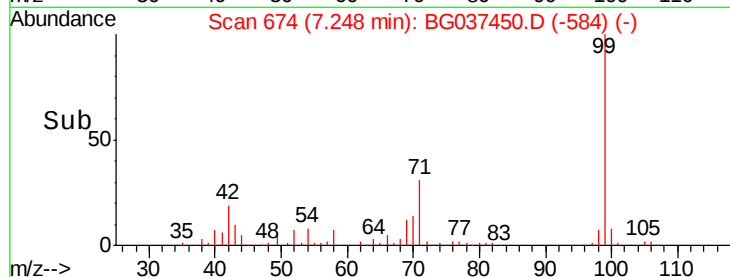
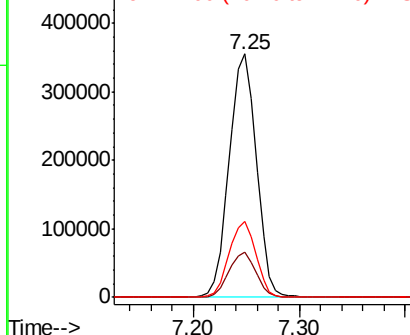
99 100

42 18.6 15.0 22.4

71 31.2 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: 5.433 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

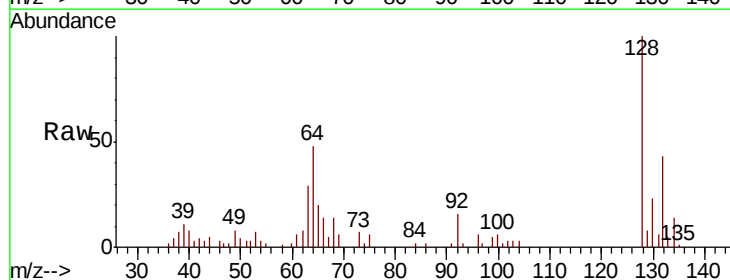
Tgt Ion: 128 Resp: 19345

Ion Ratio Lower Upper

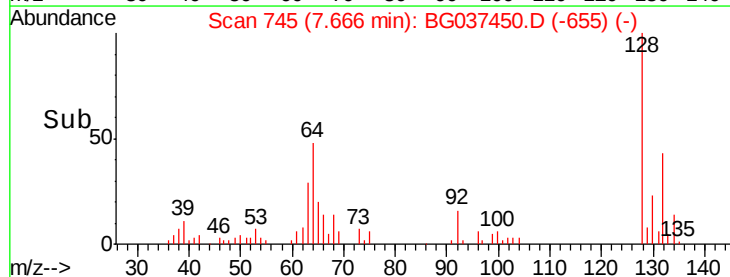
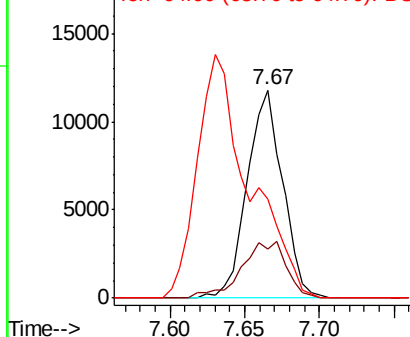
128 100

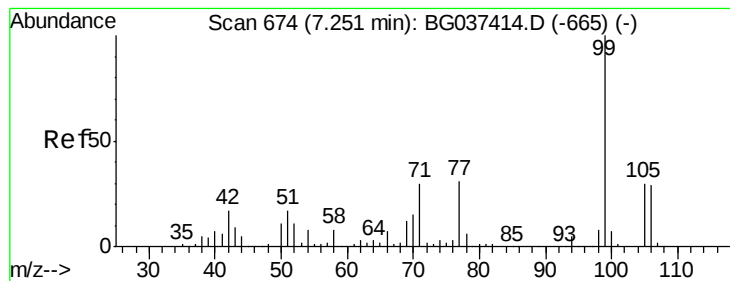
130 23.4 12.0 52.0

64 47.5 32.9 72.9



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 4.653 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

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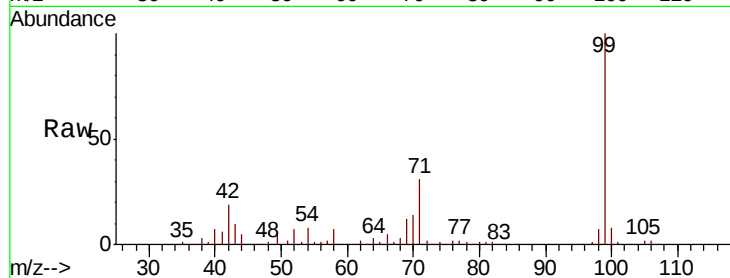
Tgt Ion: 77 Resp: 13396

Ion Ratio Lower Upper

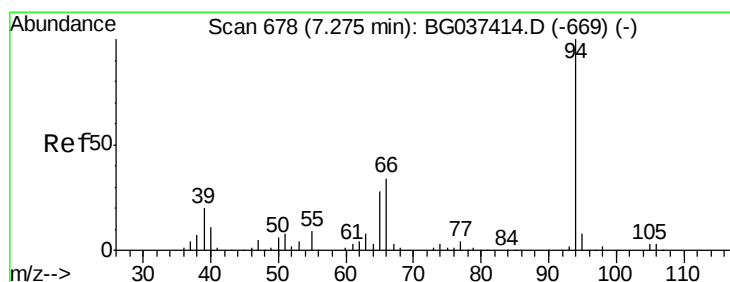
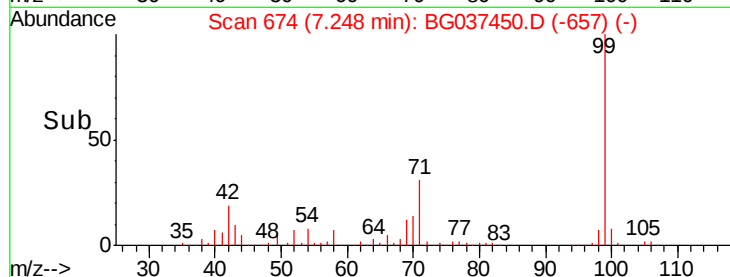
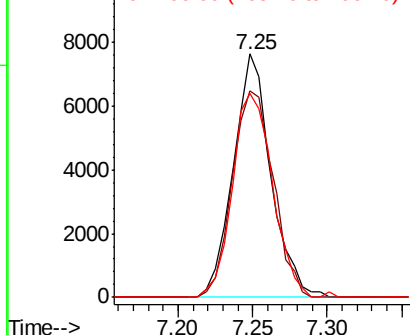
77 100

105 85.0 72.6 112.6

106 84.0 71.3 111.3



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



#10

Phenol

Concen: 5.163 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

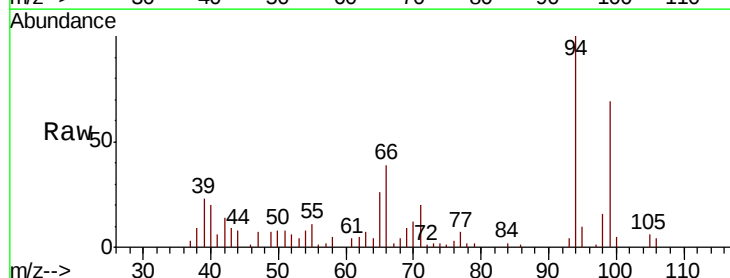
Tgt Ion: 94 Resp: 25071

Ion Ratio Lower Upper

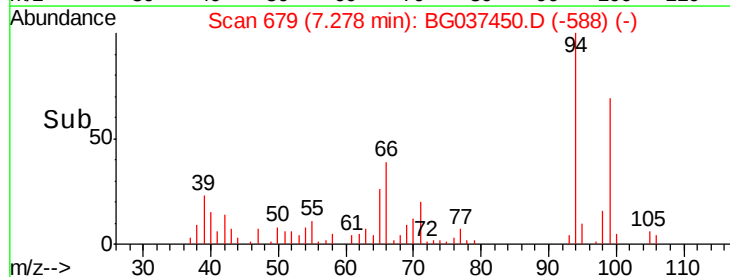
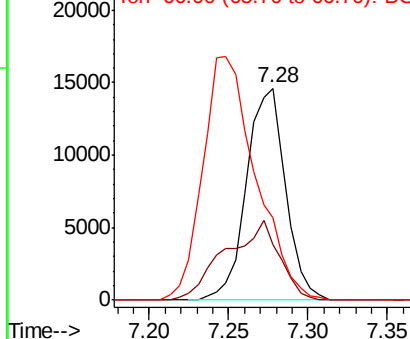
94 100

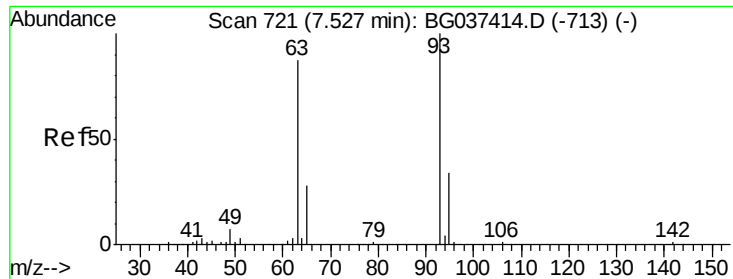
65 26.1 9.7 49.7

66 38.7 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

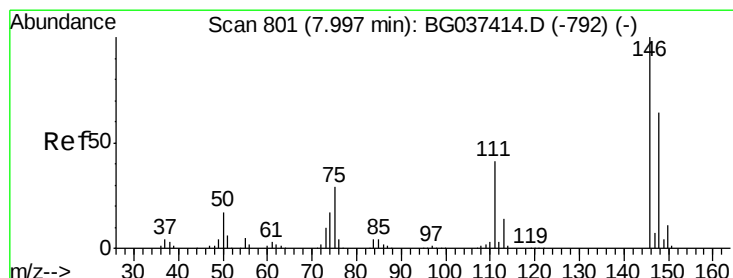
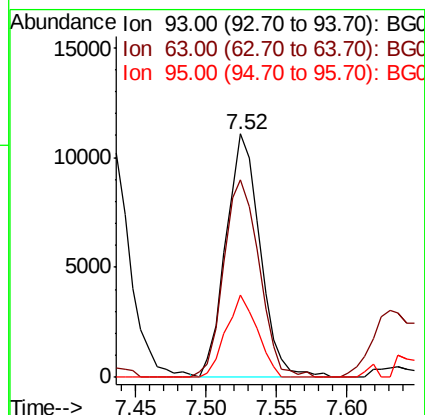
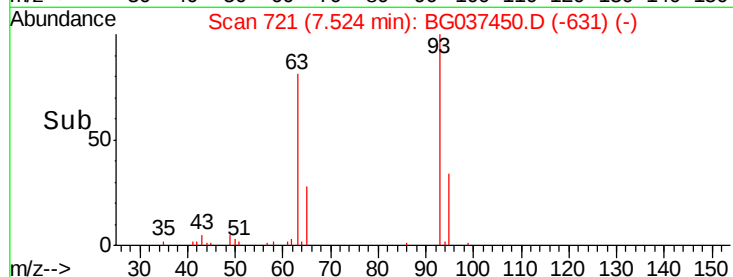
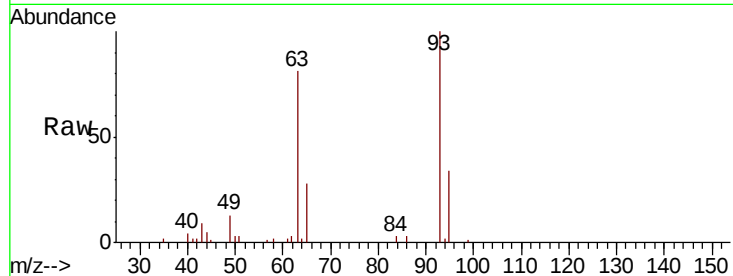




#11
 bis(2-Chloroethyl)ether
 Concen: 5.069 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

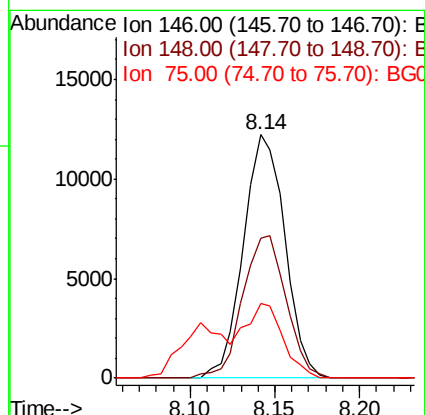
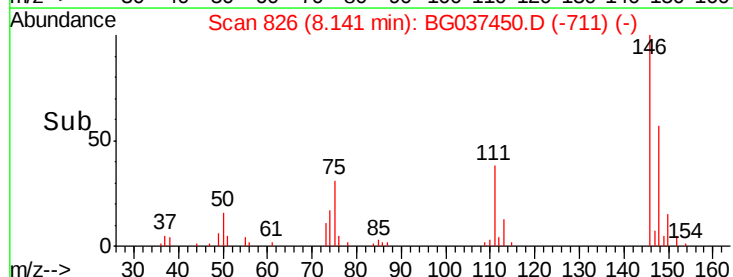
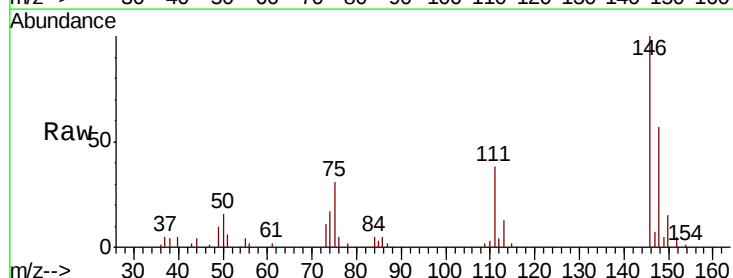
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

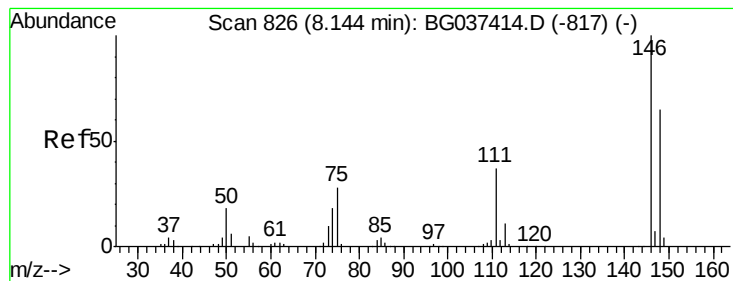
Tgt Ion: 93 Resp: 18693
 Ion Ratio Lower Upper
 93 100
 63 80.9 69.5 109.5
 95 33.8 12.6 52.6



#12
 1,3-Dichlorobenzene
 Concen: 5.272 ng
 RT: 8.14 min Scan# 826
 Delta R.T. 0.14 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion: 146 Resp: 20896
 Ion Ratio Lower Upper
 146 100
 148 57.3 49.8 74.8
 75 30.6 23.2 34.8





#13

1,4-Dichlorobenzene

Concen: 5.154 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

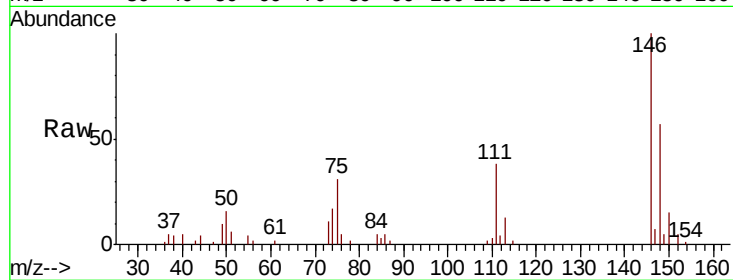
Tgt Ion:146 Resp: 20896

Ion Ratio Lower Upper

146 100

148 57.3 51.0 76.6

111 37.7 32.4 48.6

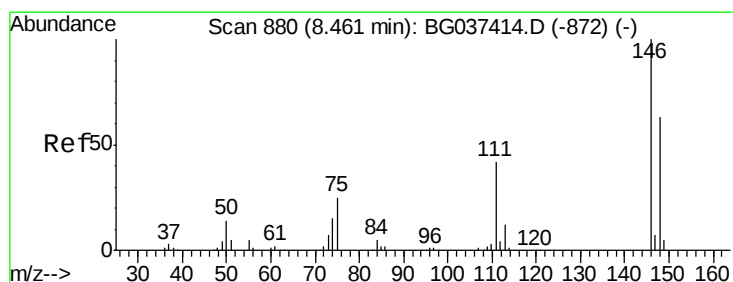
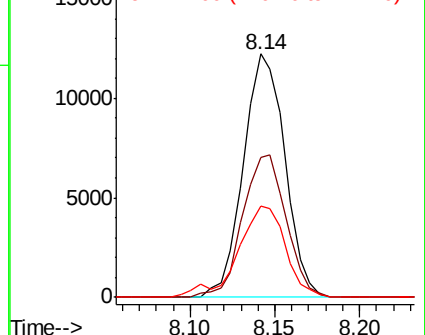
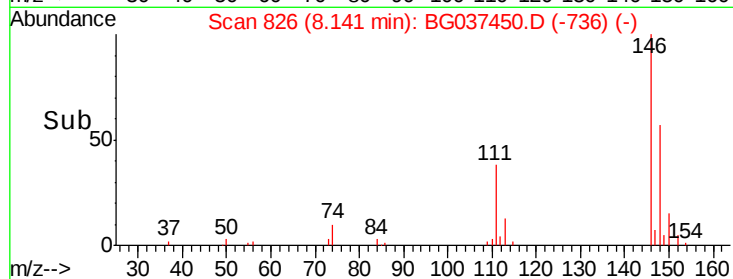


Abundance

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: 4.988 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

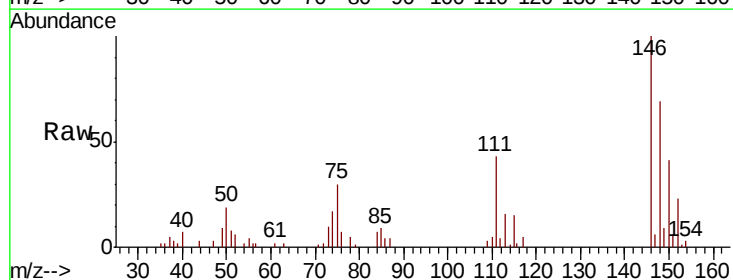
Tgt Ion:146 Resp: 19456

Ion Ratio Lower Upper

146 100

148 69.5 50.4 75.6

111 43.4 34.6 51.8

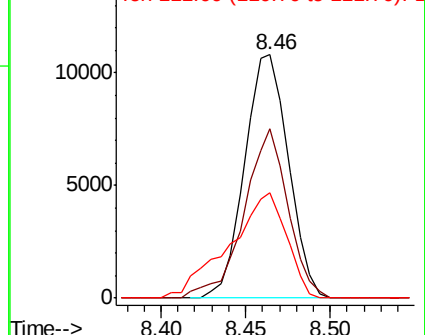
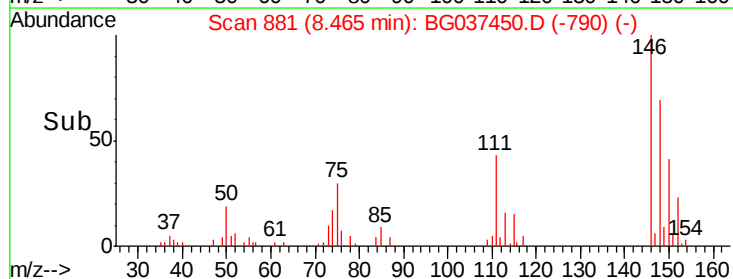


Abundance

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: 4.689 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

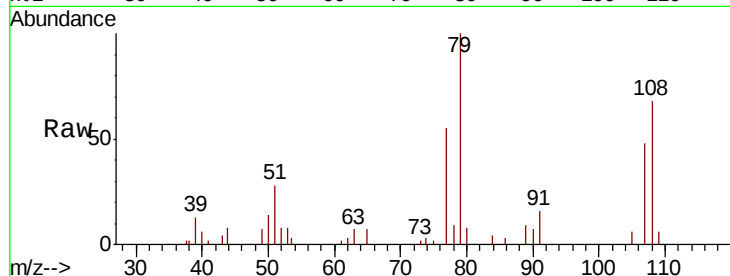
Tgt Ion: 79 Resp: 15944

Ion Ratio Lower Upper

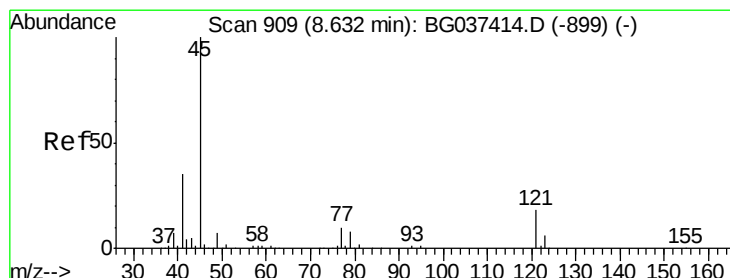
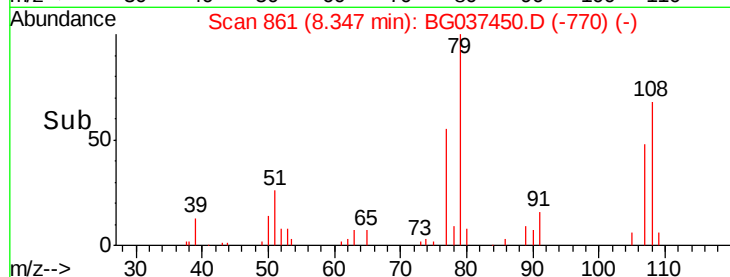
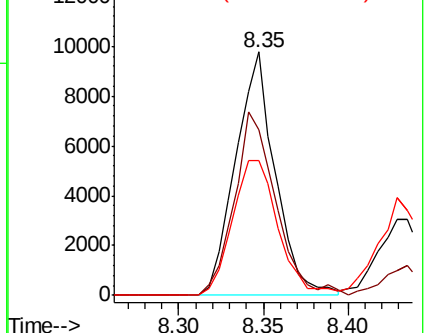
79 100

108 68.1 65.8 98.8

77 55.2 52.9 79.3



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.122 ng

RT: 8.63 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

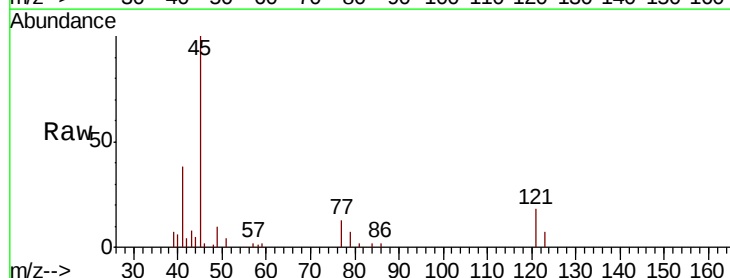
Tgt Ion: 45 Resp: 33799

Ion Ratio Lower Upper

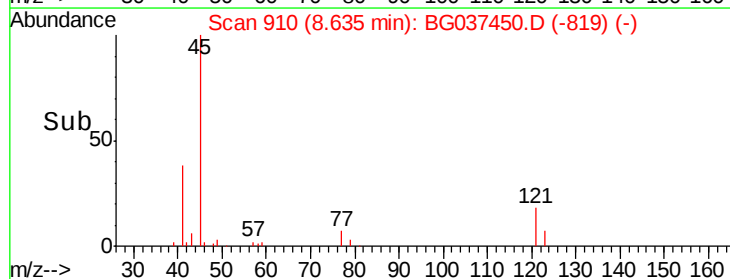
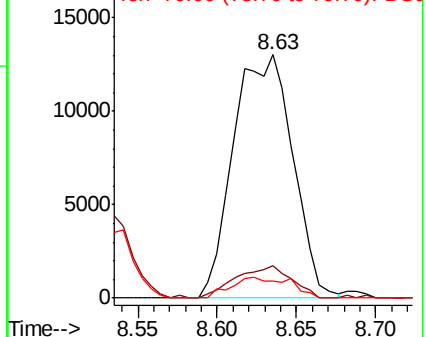
45 100

77 13.4 0.0 30.0

79 7.3 0.0 29.0



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

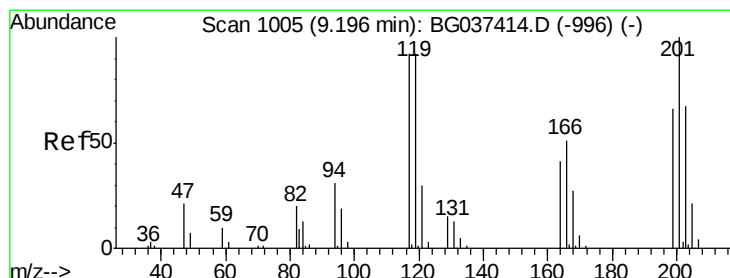
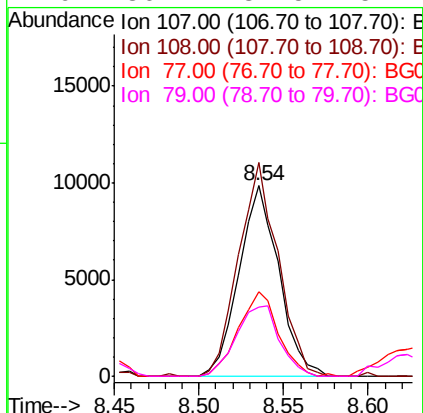
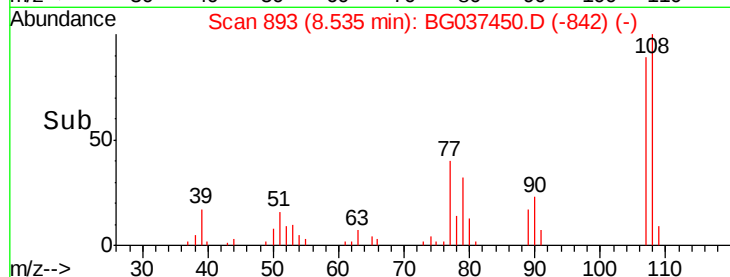
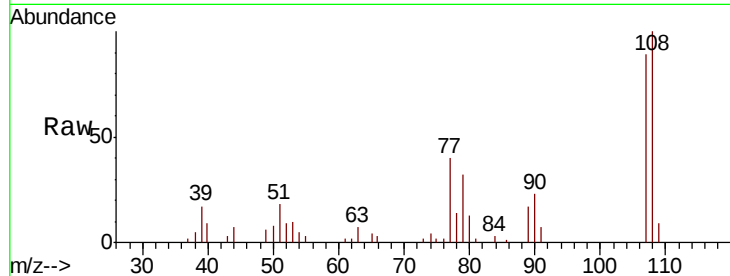




#17
2-Methylphenol
Concen: 5.028 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

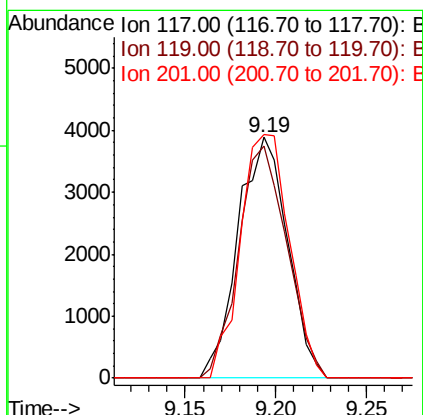
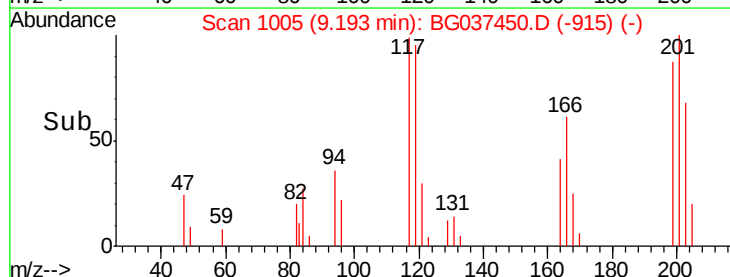
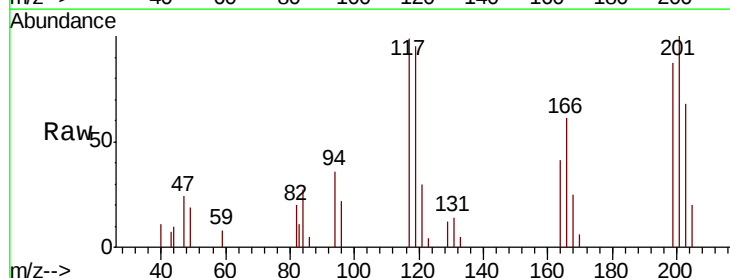
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

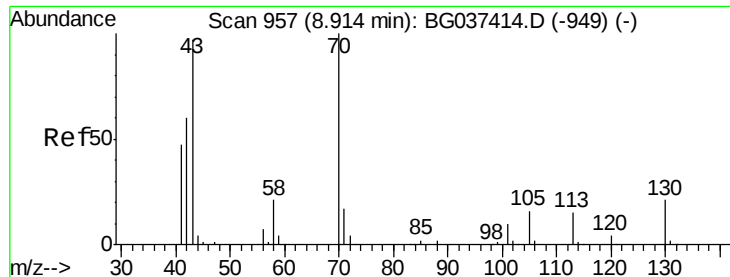
Tgt Ion:107 Resp: 16142
Ion Ratio Lower Upper
107 100
108 112.3 87.9 131.9
77 44.7 35.1 52.7
79 36.1 34.5 51.7



#18
Hexachloroethane
Concen: 5.347 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:117 Resp: 7391
Ion Ratio Lower Upper
117 100
119 96.4 74.6 111.8
201 101.3 80.8 121.2

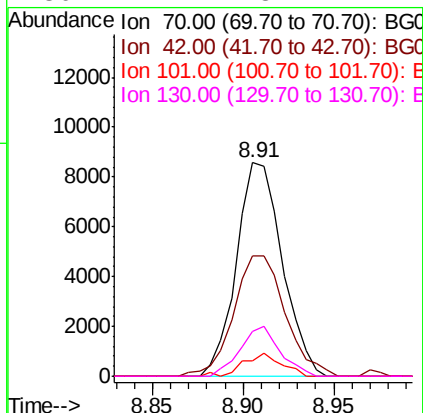
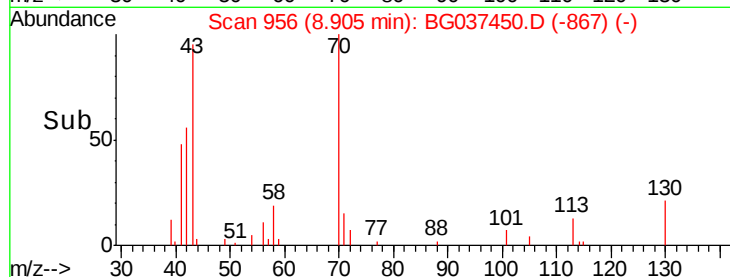
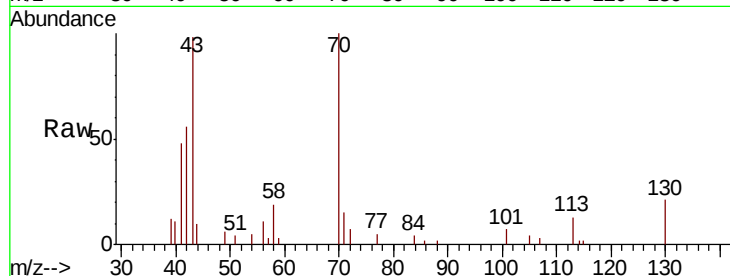




#19
n-Nitroso-di-n-propylamine
Concen: 4.767 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

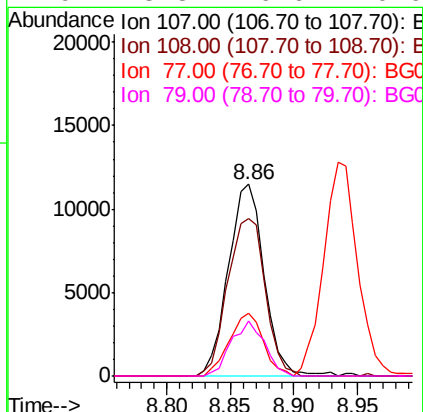
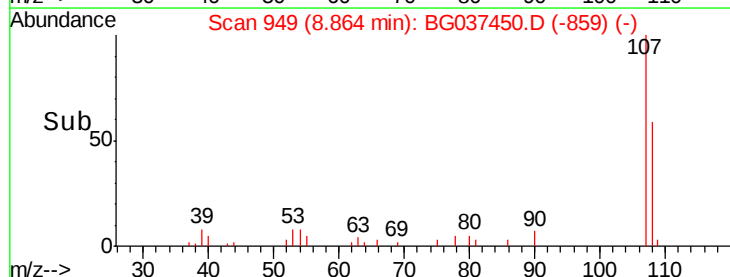
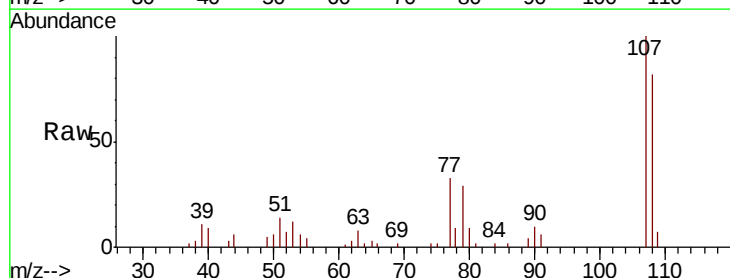
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 70 Resp: 15107
Ion Ratio Lower Upper
70 100
42 56.4 53.9 80.9
101 7.4 8.2 12.2#
130 21.2 18.2 27.4



#20
3+4-Methylphenols
Concen: 4.890 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 107 Resp: 22446
Ion Ratio Lower Upper
107 100
108 82.5 69.9 109.9
77 32.5 11.2 51.2
79 28.8 6.6 46.6

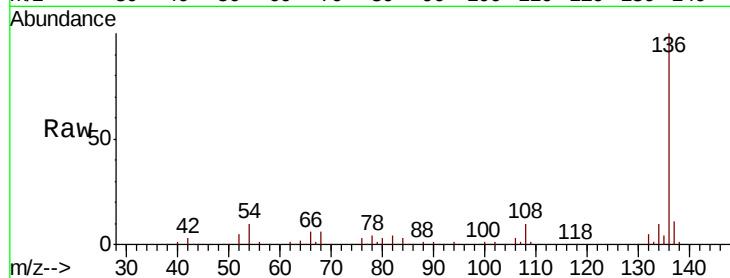




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	136	Resp:	236383
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.6	14.4
54	10.5	7.9	11.9
68	6.4	4.8	7.2



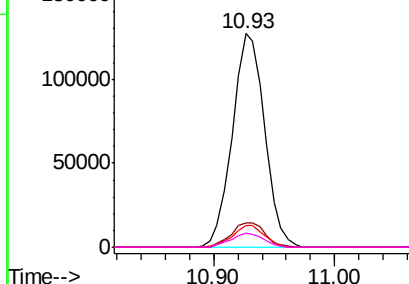
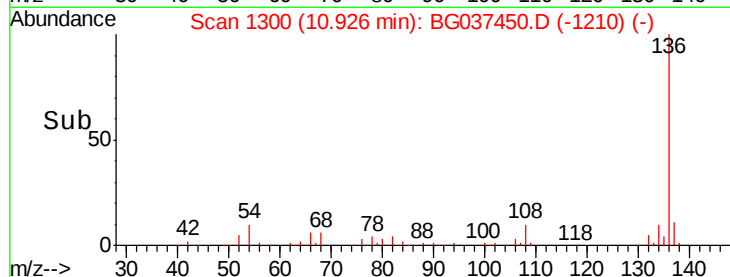
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

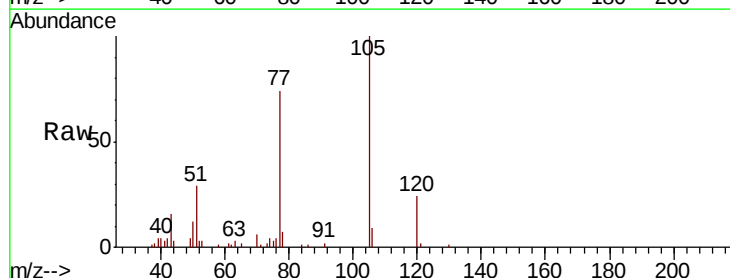
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 5.207 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:	105	Resp:	30869
Ion	Ratio	Lower	Upper
105	100		
71	0.9	1.2	1.8#
51	28.6	25.0	37.6
120	24.4	18.6	28.0



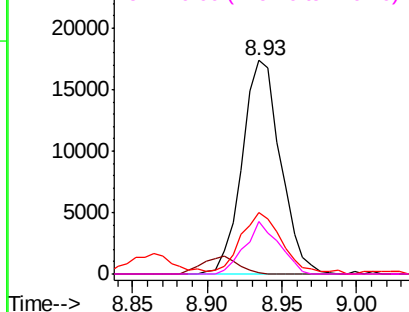
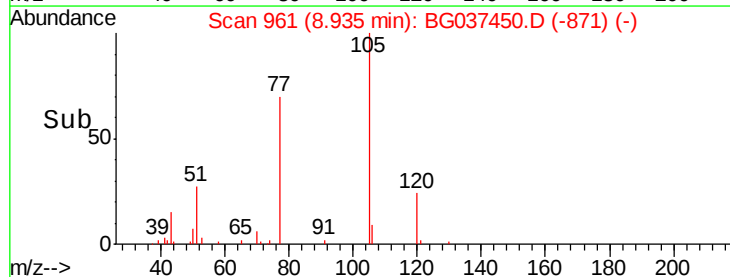
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

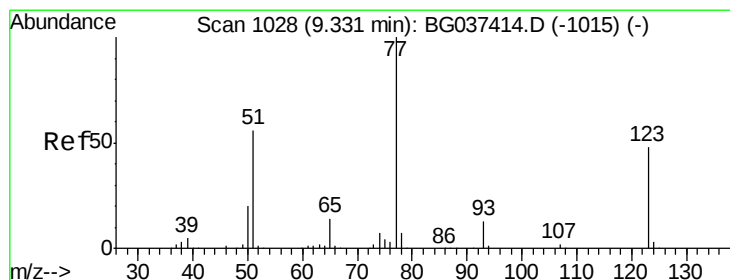
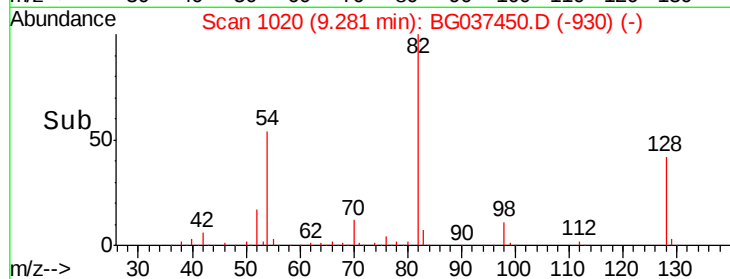
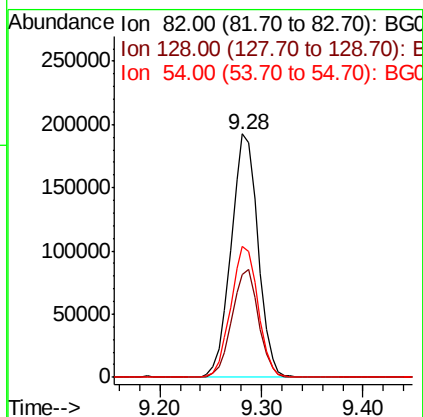
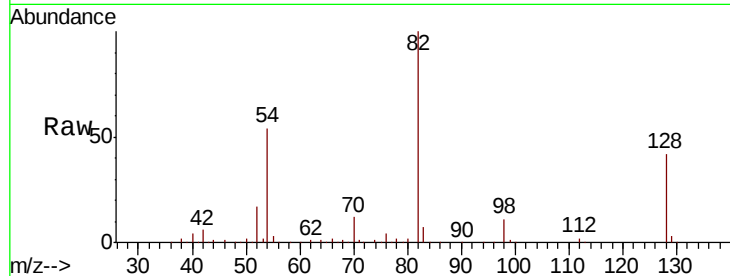




#23
 Nitrobenzene-d5
 Concen: 84.254 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

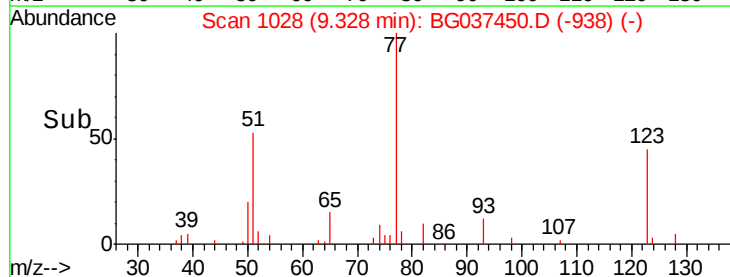
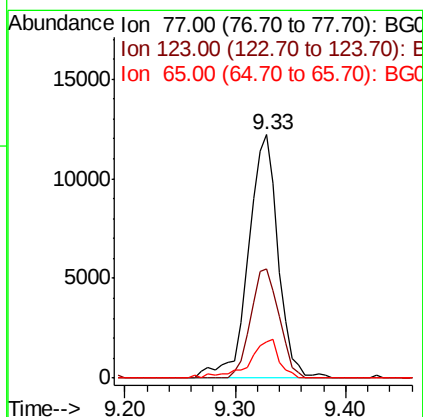
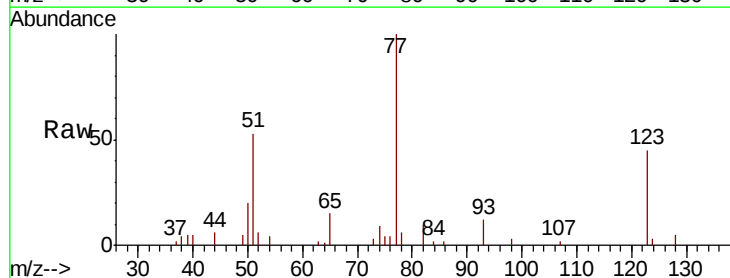
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

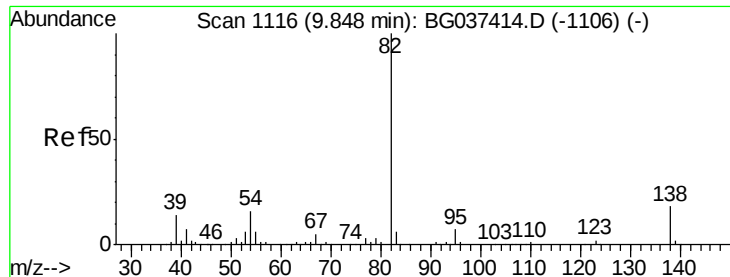
Tgt Ion: 82 Resp: 35527
 Ion Ratio Lower Upper
 82 100
 128 42.5 34.6 51.8
 54 54.0 45.3 67.9



#24
 Nitrobenzene
 Concen: 5.242 ng
 RT: 9.33 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion: 77 Resp: 22978
 Ion Ratio Lower Upper
 77 100
 123 44.9 33.6 50.4
 65 14.8 11.3 16.9

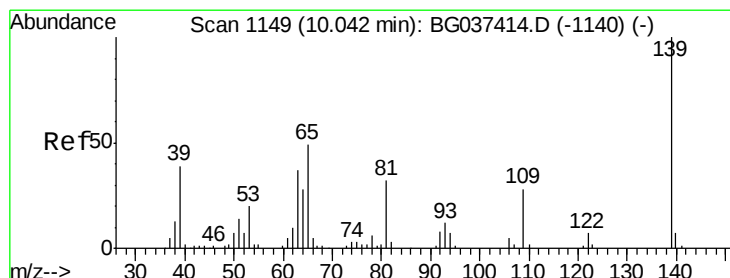
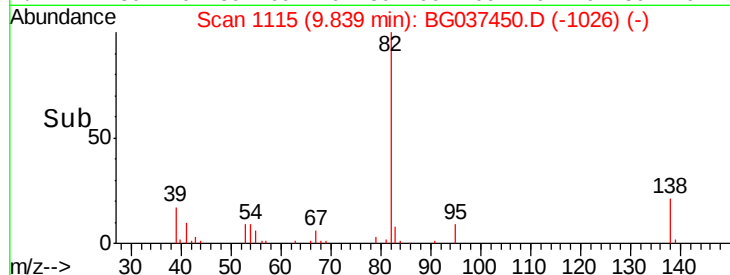
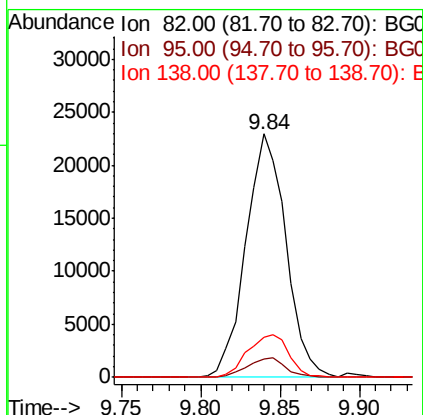
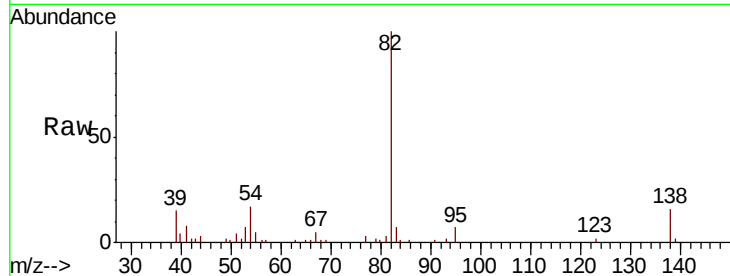




#25
Isophorone
Concen: 5.225 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

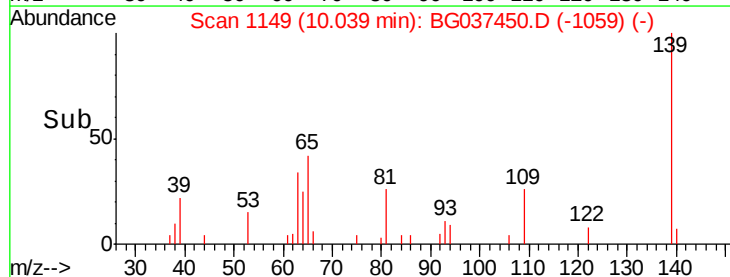
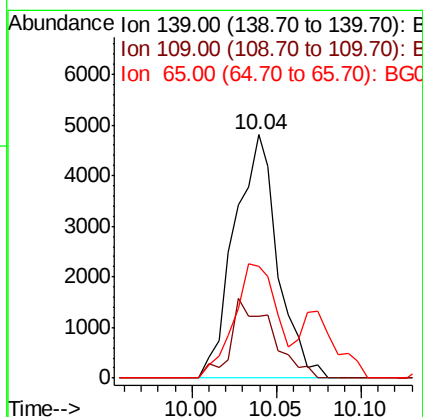
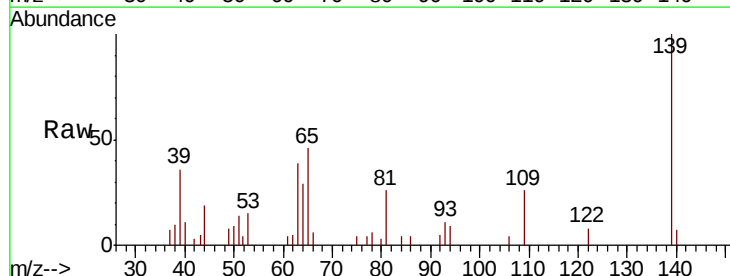
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 40289
Ion Ratio Lower Upper
82 100
95 7.4 5.3 7.9
138 16.4 13.3 19.9



#26
2-Nitrophenol
Concen: 4.345 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 139 Resp: 8581
Ion Ratio Lower Upper
139 100
109 25.5 23.3 34.9
65 46.2 39.8 59.8

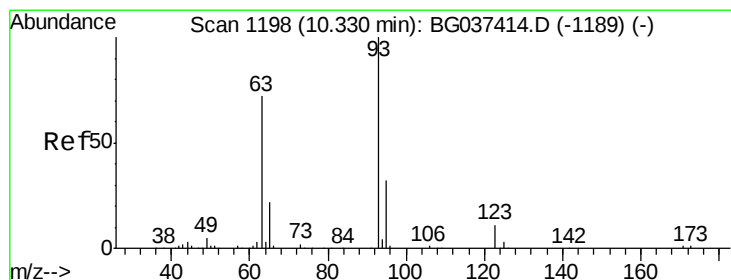
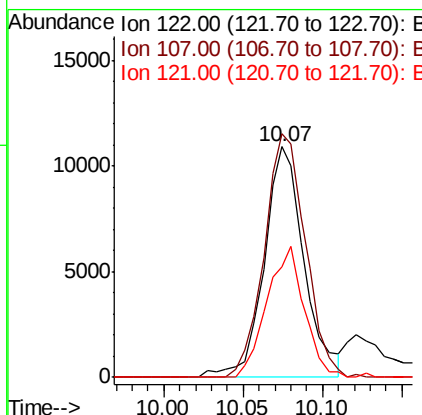
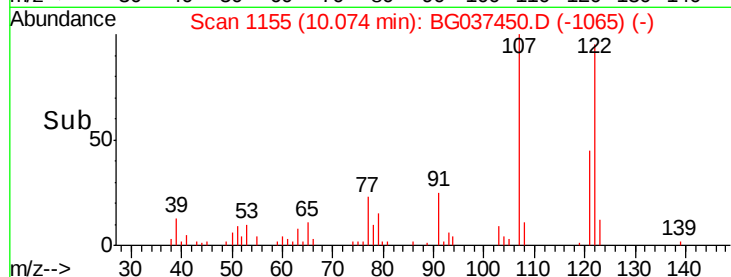
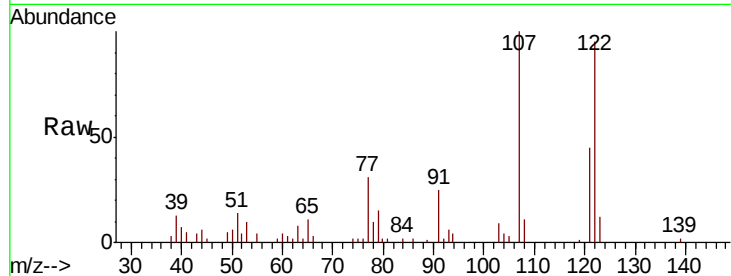




#27
2,4-Dimethylphenol
Concen: 5.410 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

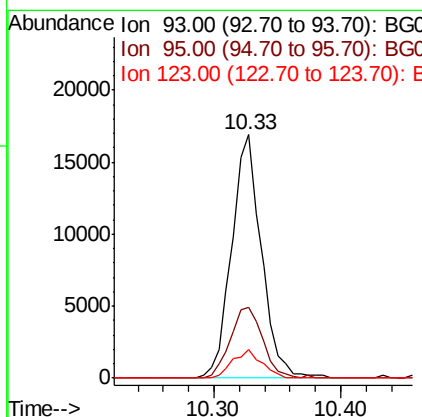
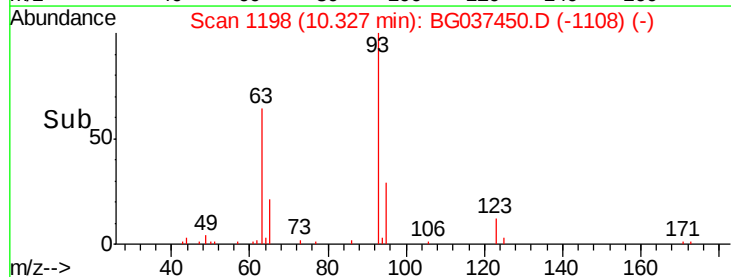
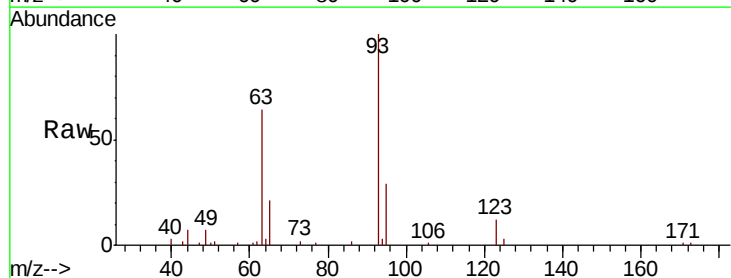
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

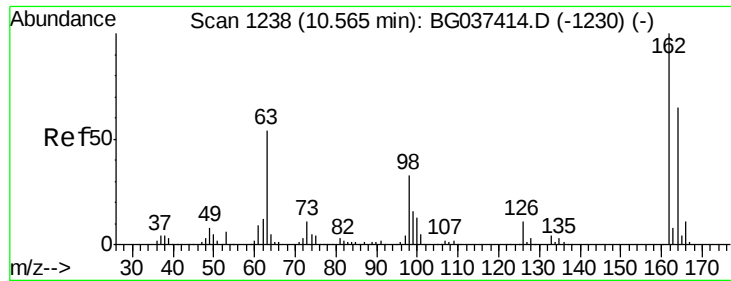
Tgt Ion: 122 Resp: 19076
Ion Ratio Lower Upper
122 100
107 105.6 94.2 141.2
121 48.0 47.3 70.9



#28
bis(2-Chloroethoxy)methane
Concen: 5.425 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 93 Resp: 27405
Ion Ratio Lower Upper
93 100
95 29.3 24.6 37.0
123 11.7 9.1 13.7

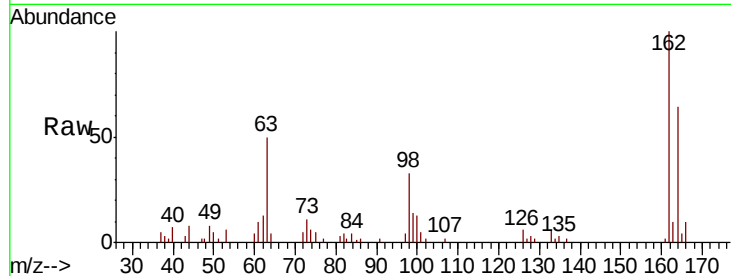




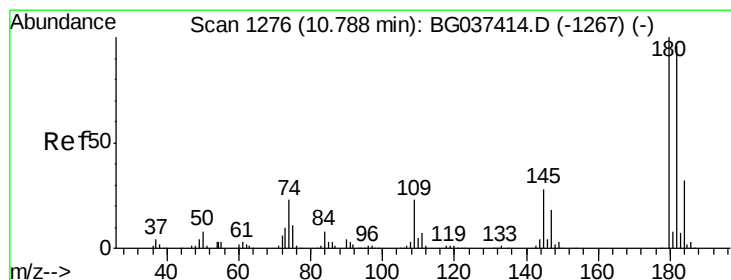
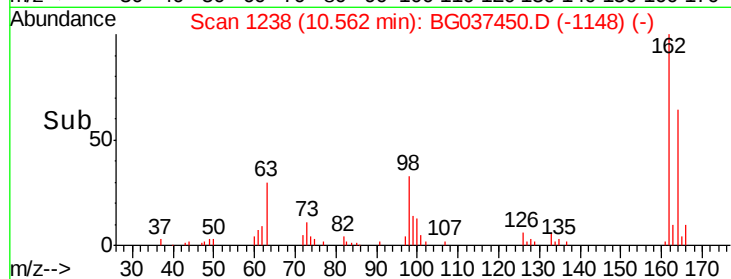
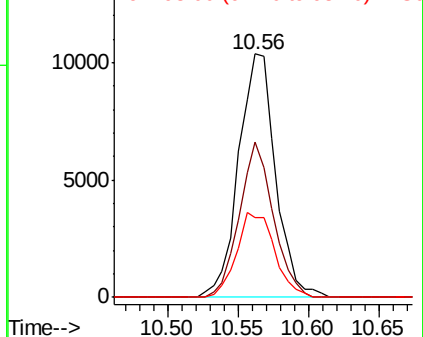
#29
2,4-Dichlorophenol
Concen: 4.828 ng
RT: 10.56 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.2	83.2
98	33.0	16.0	56.0

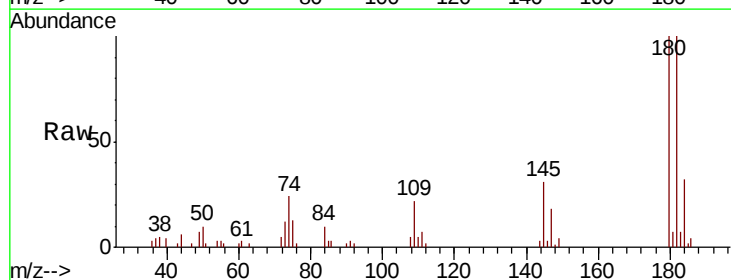


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BGC

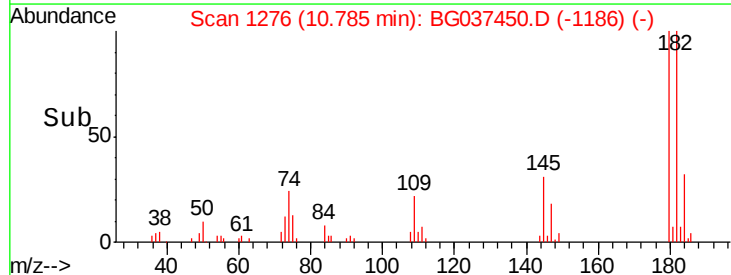
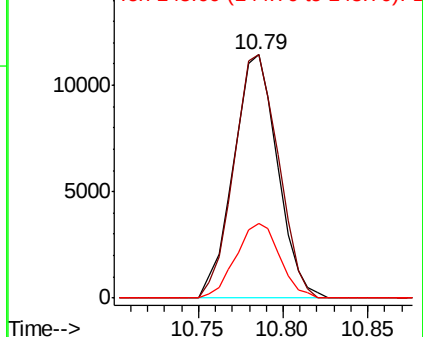


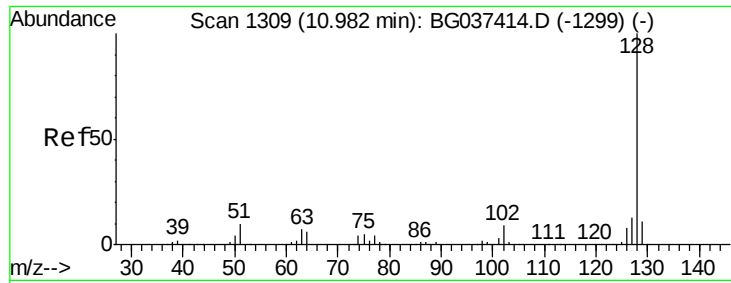
#30
1,2,4-Trichlorobenzene
Concen: 4.851 ng
RT: 10.79 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.9	77.7	116.5
145	30.5	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

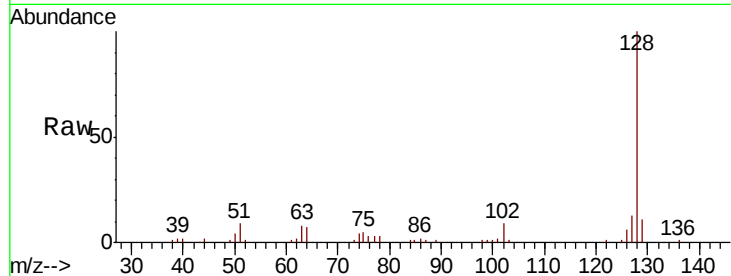




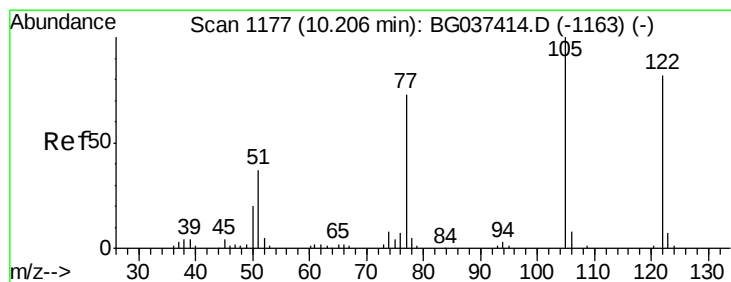
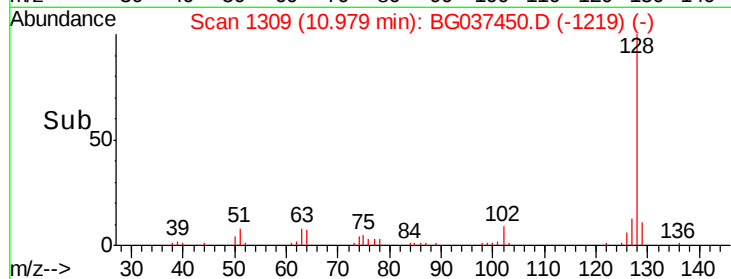
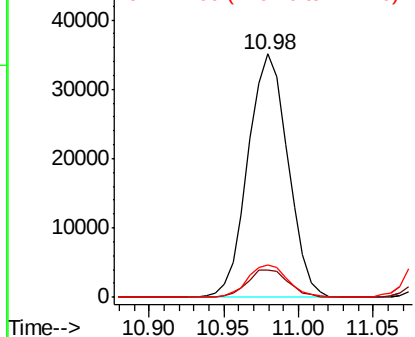
#31
Naphthalene
Concen: 5.594 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:128 Resp: 64946
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 11.1 16.7

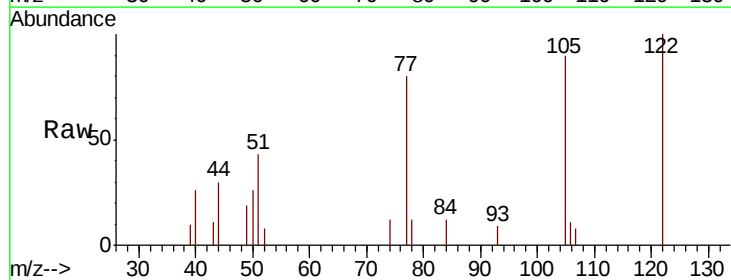


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

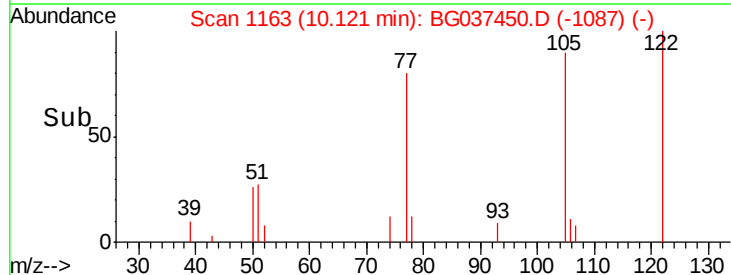
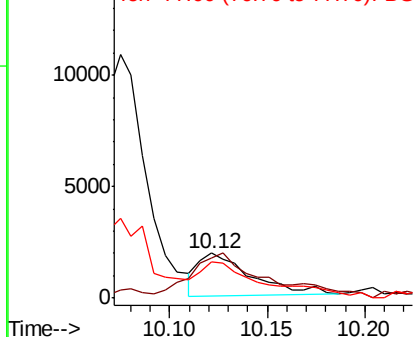


#32
Benzoic acid
Concen: 1.561 ng
RT: 10.12 min Scan# 1163
Delta R.T. -0.08 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:122 Resp: 3574
Ion Ratio Lower Upper
122 100
105 90.1 106.7 146.7#
77 79.9 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): BGO

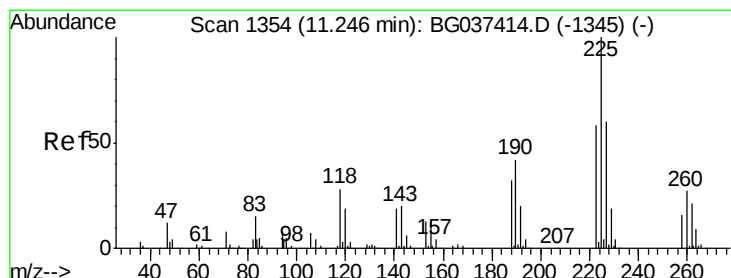
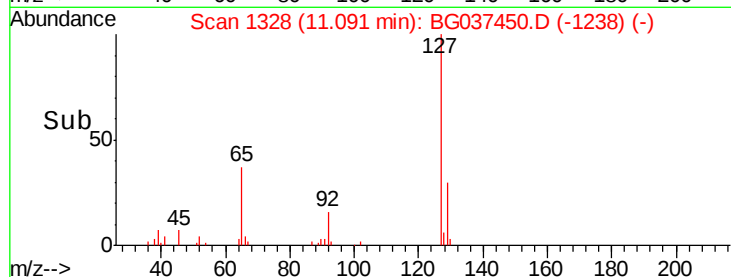
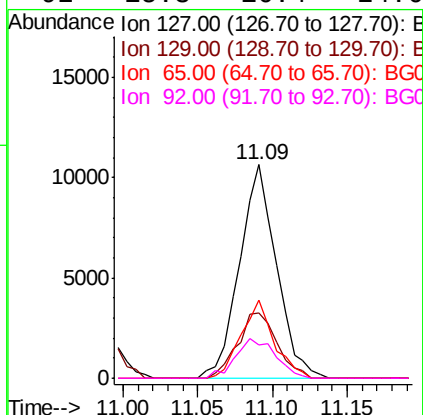
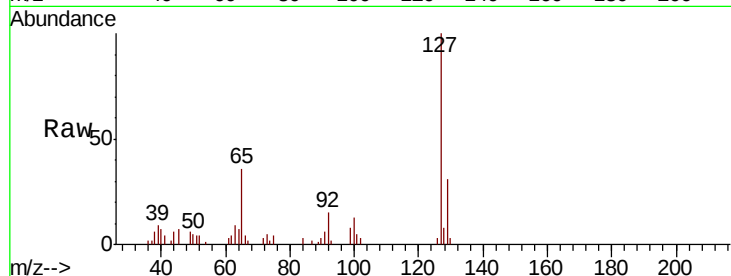




#33
4-Chloroaniline
Concen: 3.343 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

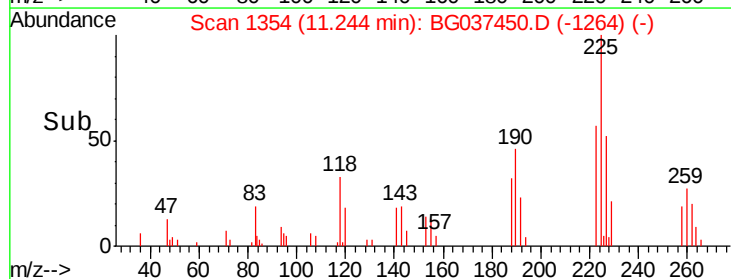
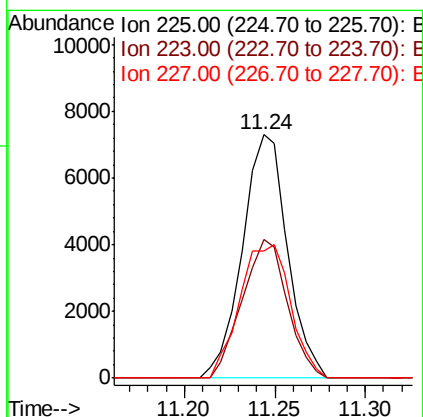
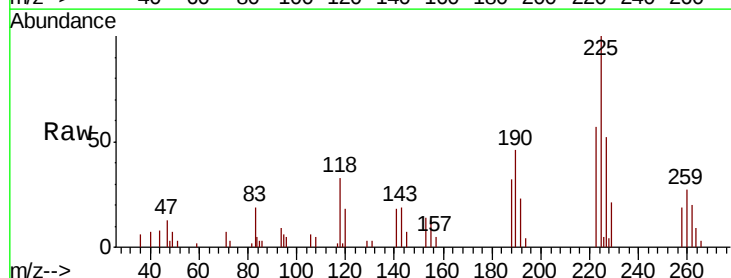
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

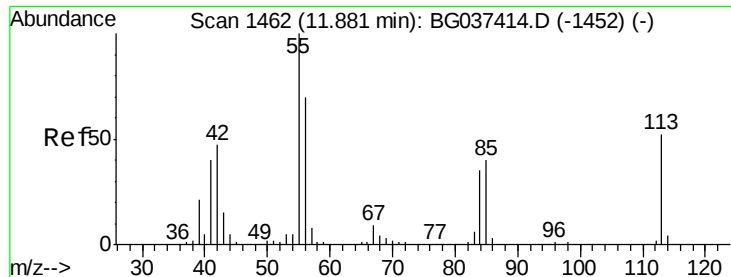
Tgt Ion:	127	Resp:	18238
Ion	Ratio	Lower	Upper
127	100		
129	30.8	27.1	40.7
65	36.4	26.6	39.8
92	15.3	16.4	24.6



#34
Hexachlorobutadiene
Concen: 4.970 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:	225	Resp:	12576
Ion	Ratio	Lower	Upper
225	100		
223	54.0	48.2	72.4
227	54.0	51.6	77.4





#35

Caprolactam

Concen: 3.470 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.03 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

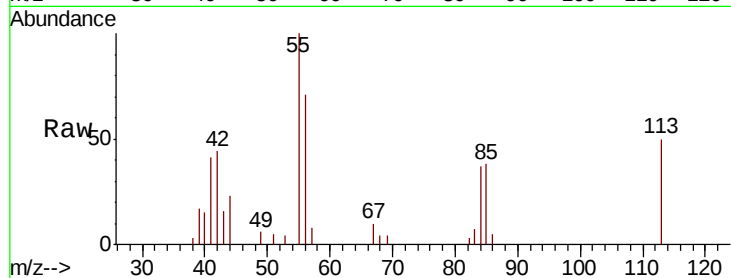
Tgt Ion:113 Resp: 5463

Ion Ratio Lower Upper

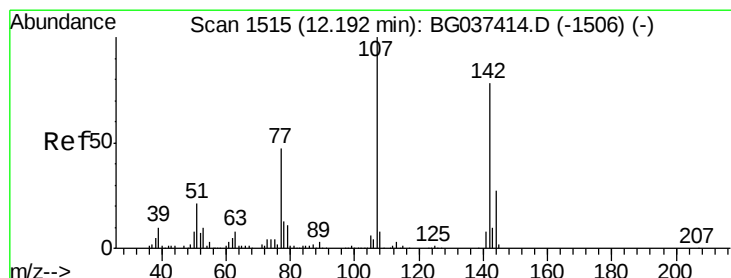
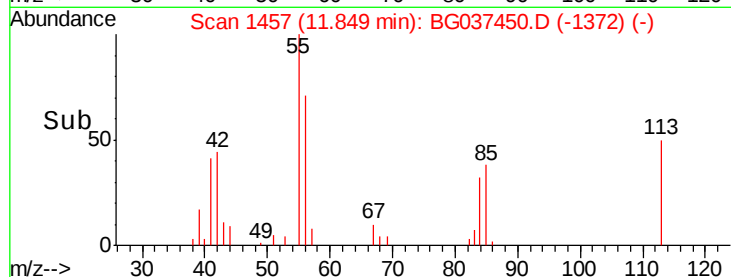
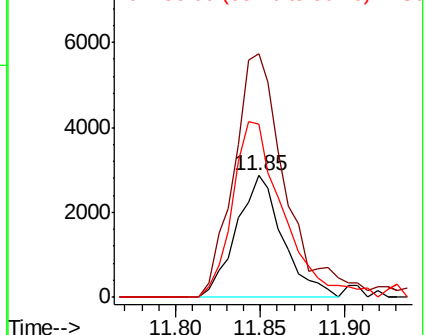
113 100

55 200.6 176.6 216.6

56 142.9 128.3 168.3



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: 4.623 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

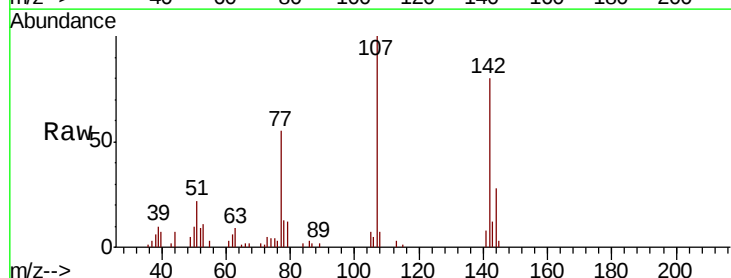
Tgt Ion:107 Resp: 20469

Ion Ratio Lower Upper

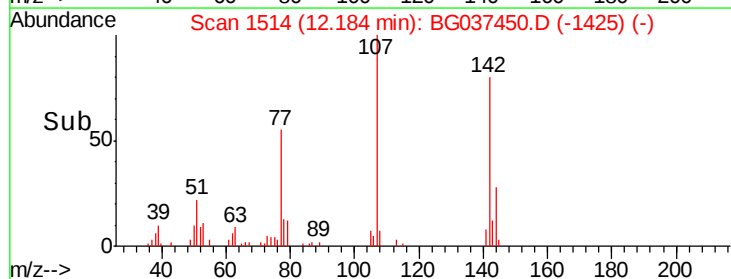
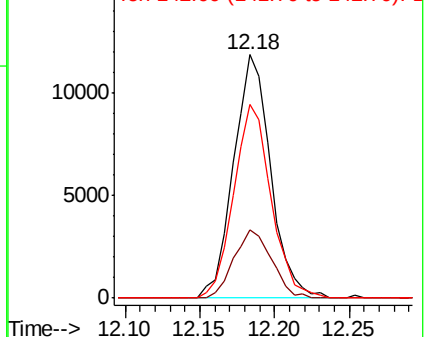
107 100

144 28.1 20.7 31.1

142 79.7 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

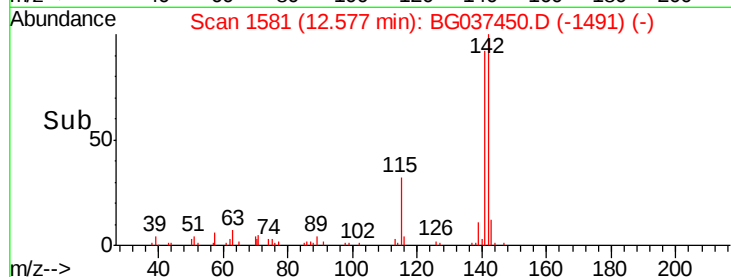
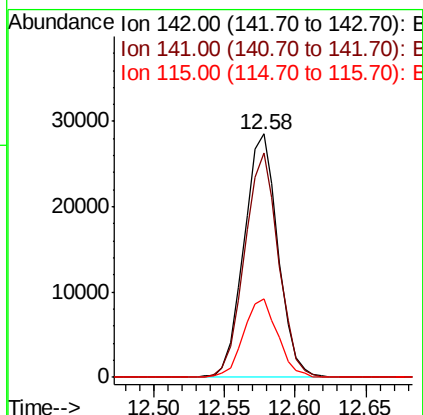
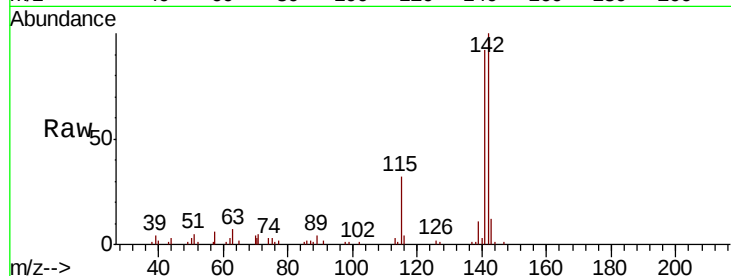




#37
 2-Methylnaphthalene
 Concen: 5.692 ng
 RT: 12.58 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

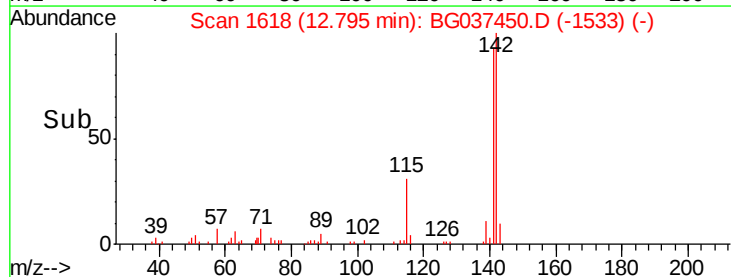
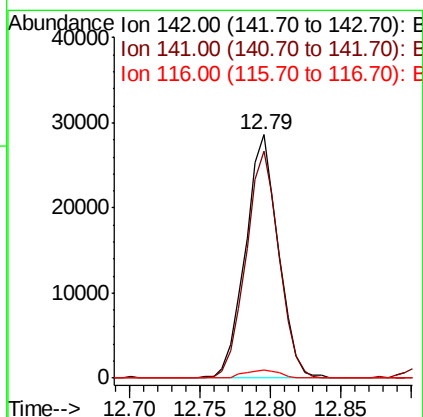
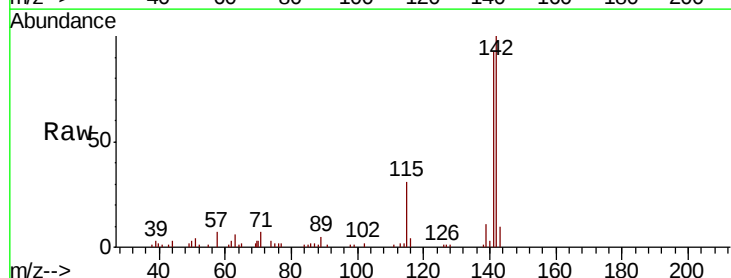
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

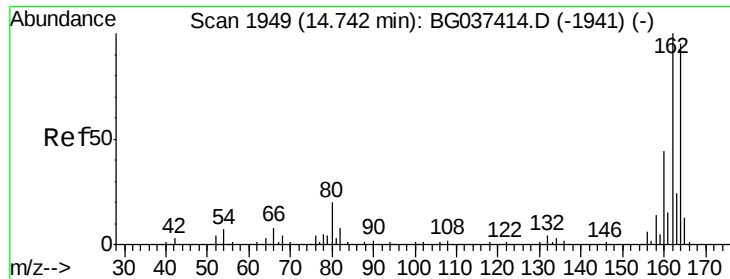
Tgt Ion:142 Resp: 48174
 Ion Ratio Lower Upper
 142 100
 141 92.1 71.9 107.9
 115 32.2 27.8 41.8



#38
 1-Methylnaphthalene
 Concen: 5.675 ng
 RT: 12.79 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion:142 Resp: 46649
 Ion Ratio Lower Upper
 142 100
 141 93.1 75.2 112.8
 116 3.5 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

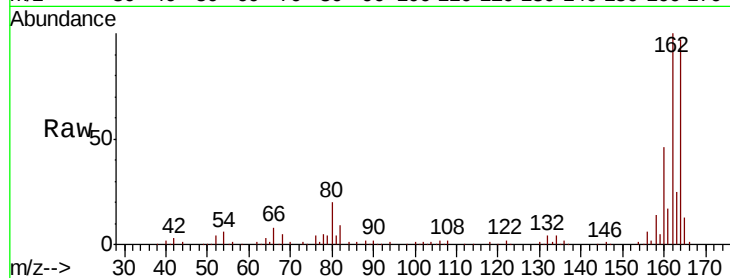
Tgt Ion:164 Resp: 160987

Ion Ratio Lower Upper

164 100

162 102.6 81.3 121.9

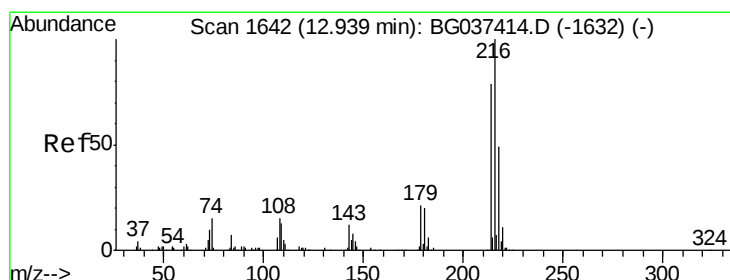
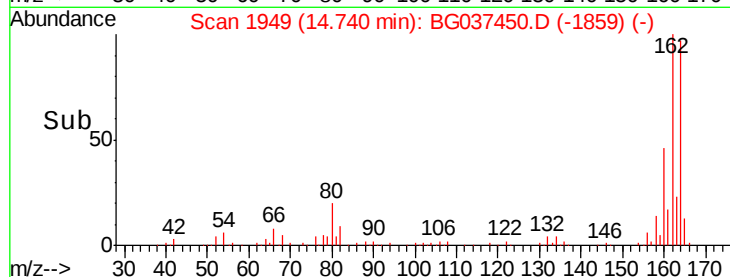
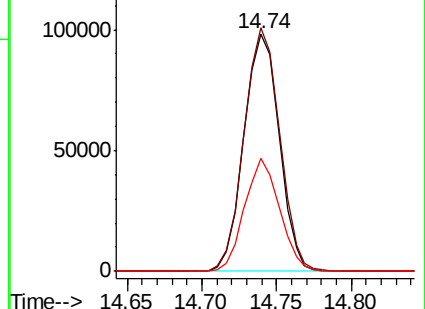
160 47.7 36.3 54.5



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: 4.748 ng

RT: 12.94 min Scan# 1642

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Tgt Ion:216 Resp: 24653

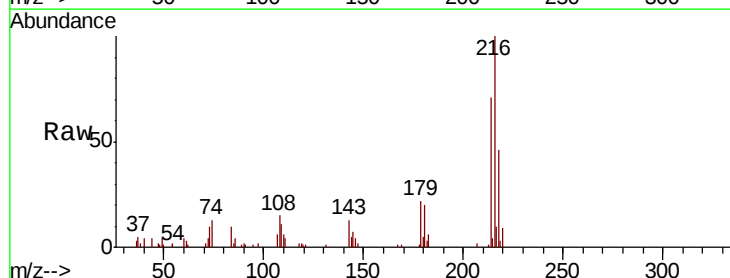
Ion Ratio Lower Upper

216 100

214 76.8 63.8 95.6

179 21.8 17.4 26.0

108 17.5 13.9 20.9

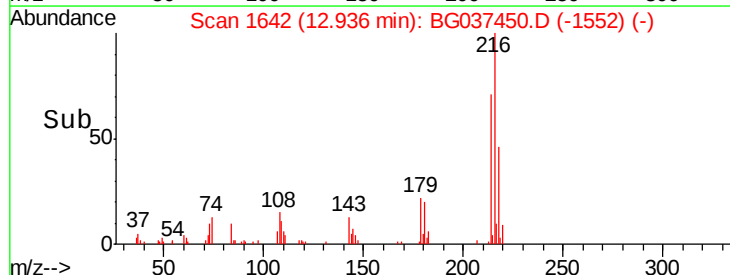
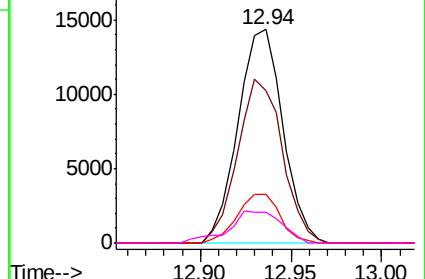


Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.071 ng

RT: 12.90 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

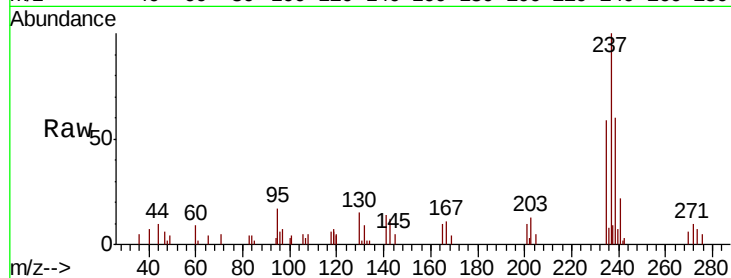
Tgt Ion:237 Resp: 12578

Ion Ratio Lower Upper

237 100

235 59.0 42.5 82.5

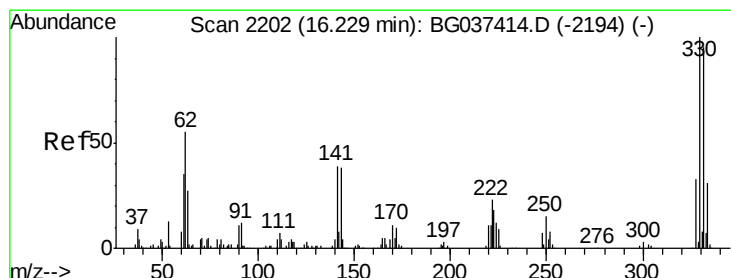
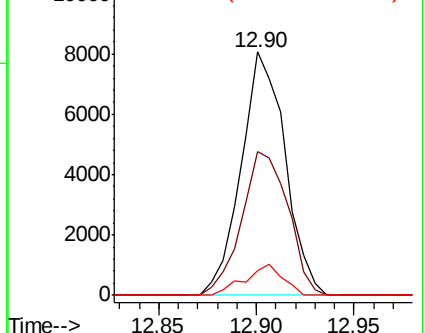
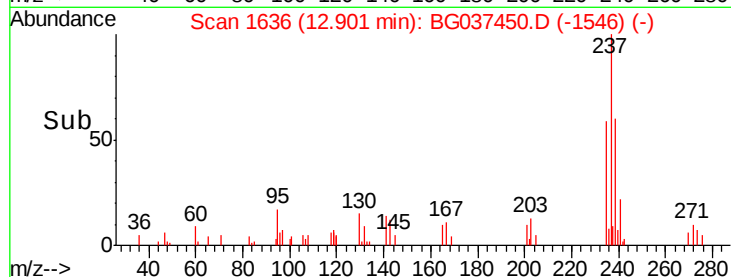
272 10.4 0.0 31.6



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: 136.294 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

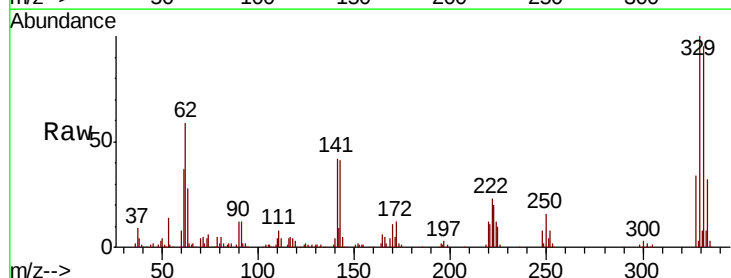
Tgt Ion:330 Resp: 239315

Ion Ratio Lower Upper

330 100

332 95.5 78.4 117.6

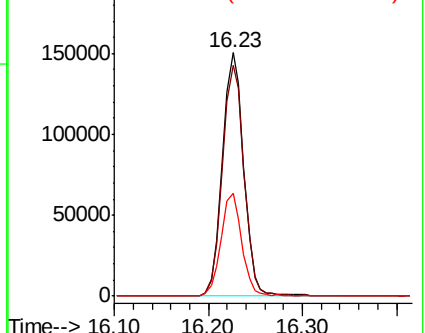
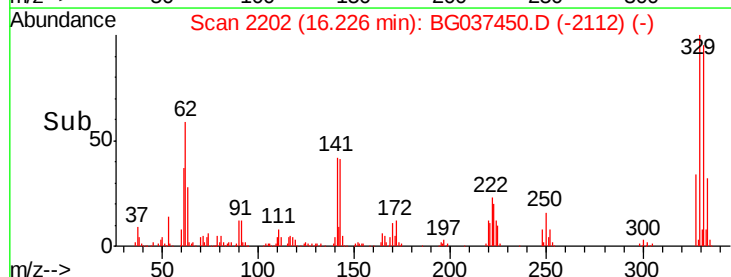
141 41.3 32.2 48.2



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

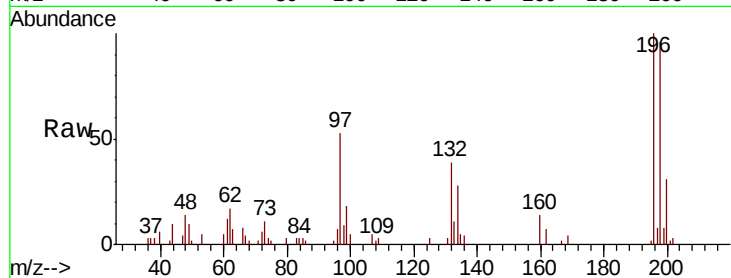




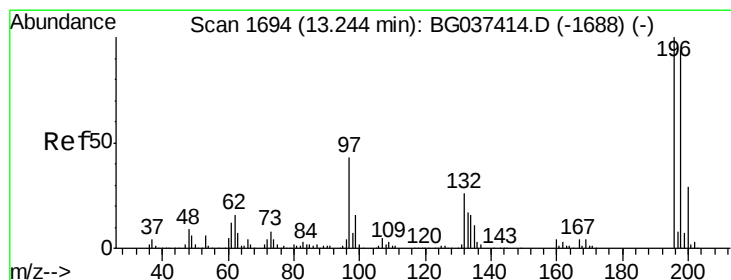
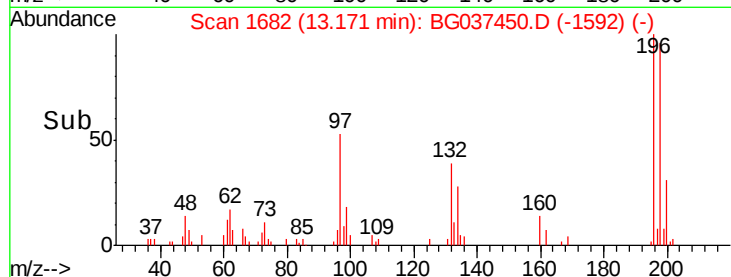
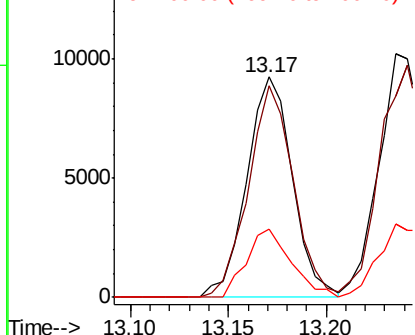
#43
 2,4,6-Trichlorophenol
 Concen: 4.314 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:196 Resp: 14965
 Ion Ratio Lower Upper
 196 100
 198 95.9 76.4 114.6
 200 31.1 24.9 37.3



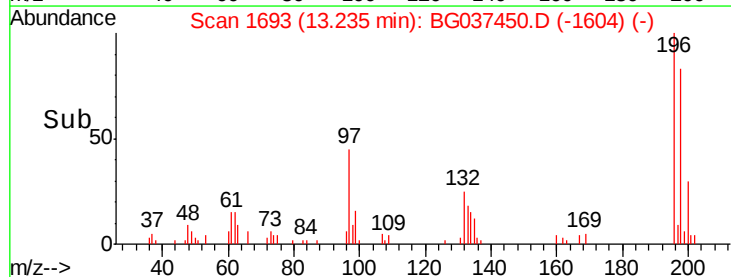
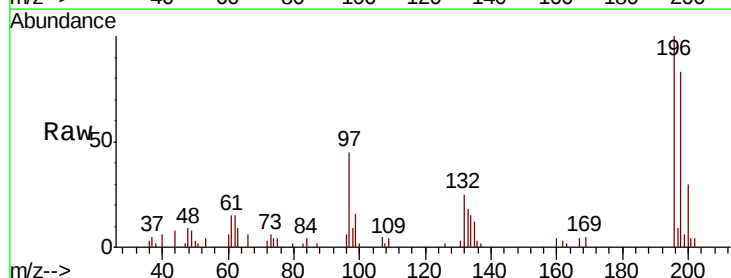
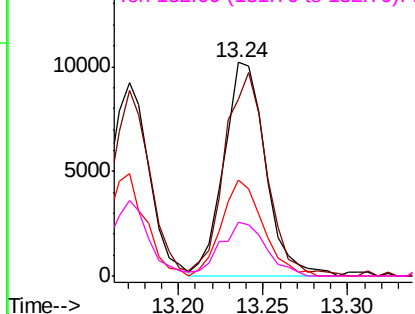
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 4.667 ng
 RT: 13.24 min Scan# 1693
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion:196 Resp: 17627
 Ion Ratio Lower Upper
 196 100
 198 82.5 74.2 111.2
 97 45.2 34.1 51.1
 132 25.3 20.2 30.4

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

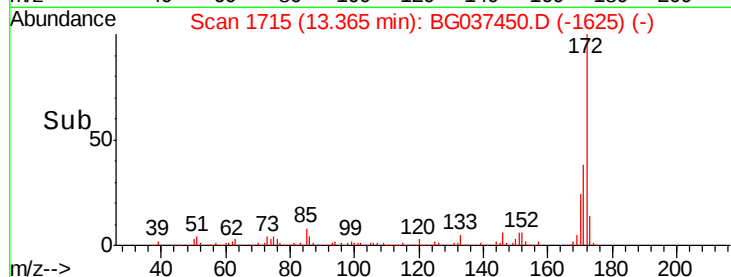
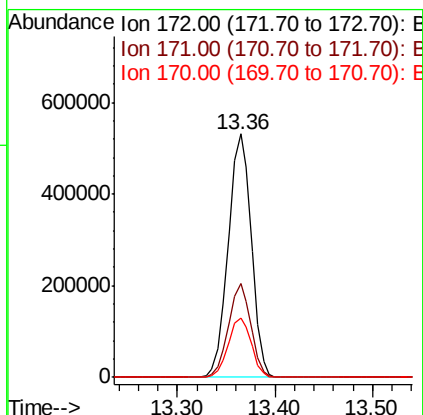
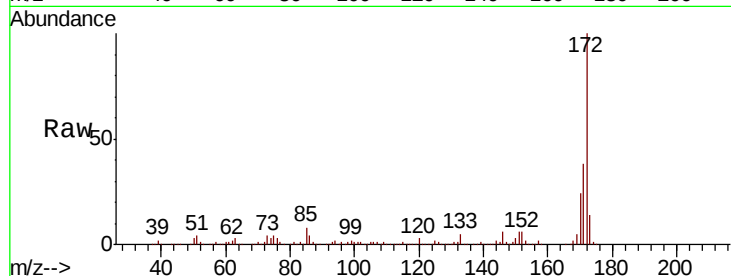




#45
2-Fluorobiphenyl
Concen: 81.426 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

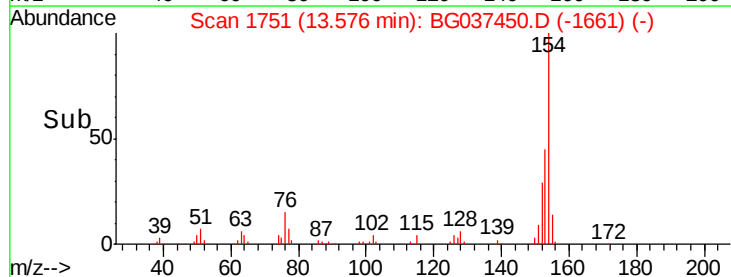
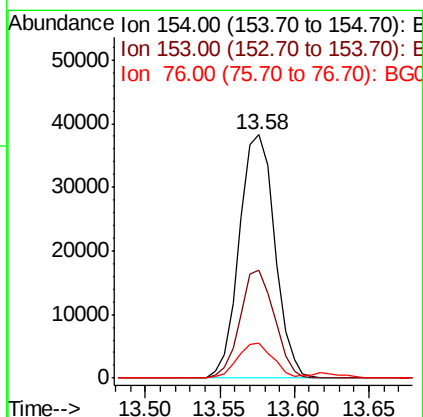
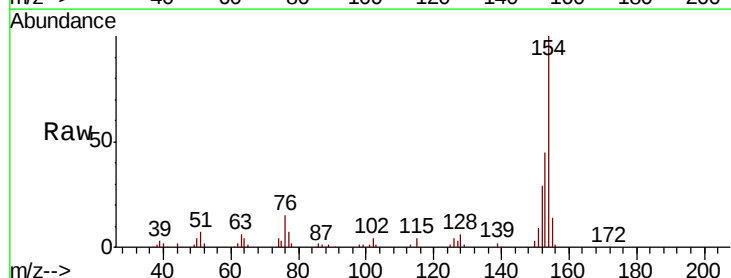
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

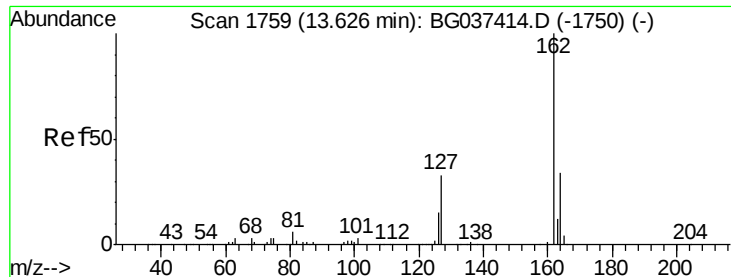
Tgt Ion:172 Resp: 869303
Ion Ratio Lower Upper
172 100
171 38.3 31.0 46.4
170 24.4 20.2 30.2



#46
1,1'-Biphenyl
Concen: 4.735 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:154 Resp: 63133
Ion Ratio Lower Upper
154 100
153 44.6 22.1 62.1
76 14.5 0.0 33.2





#47

2-Chloronaphthalene

Concen: 4.954 ng

RT: 13.62 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

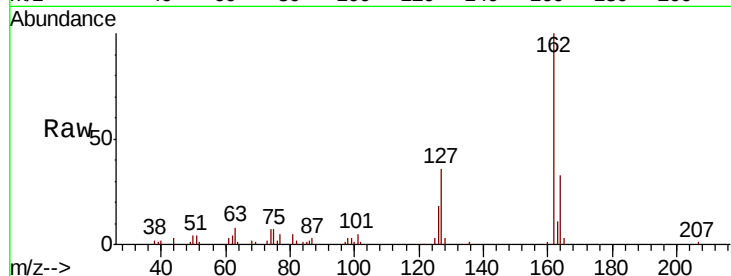
Tgt Ion: 162 Resp: 49970

Ion Ratio Lower Upper

162 100

127 36.2 30.5 45.7

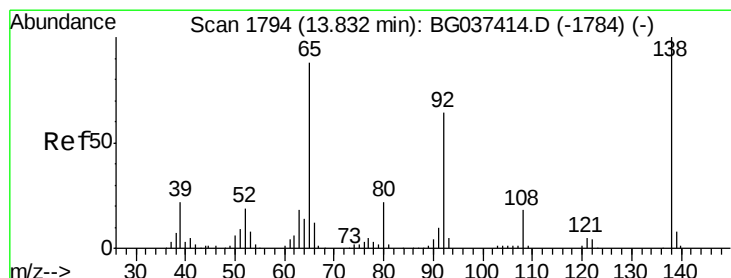
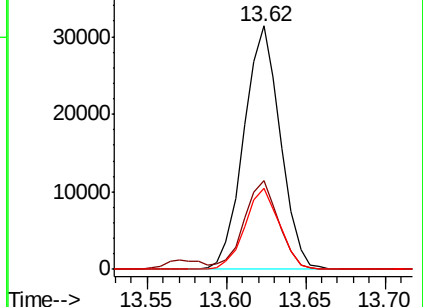
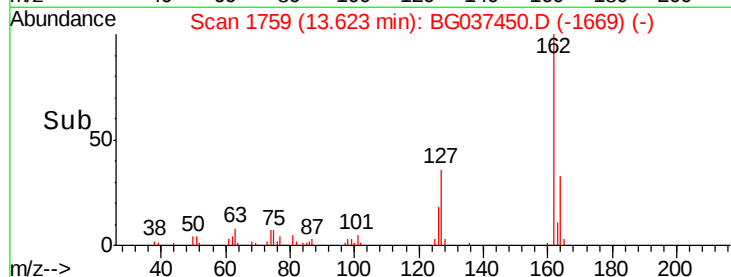
164 33.3 26.4 39.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 4.125 ng

RT: 13.83 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

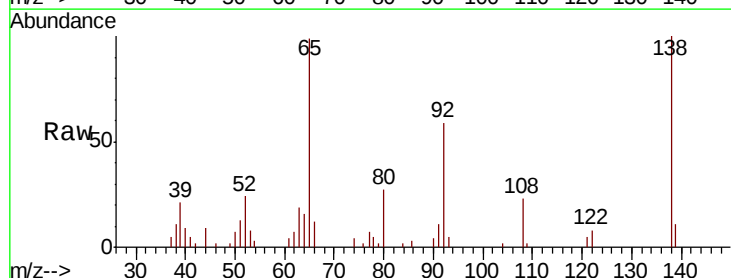
Tgt Ion: 65 Resp: 12616

Ion Ratio Lower Upper

65 100

92 59.2 53.2 79.8

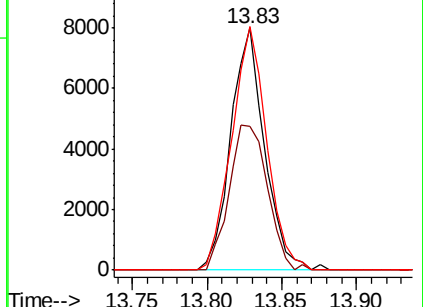
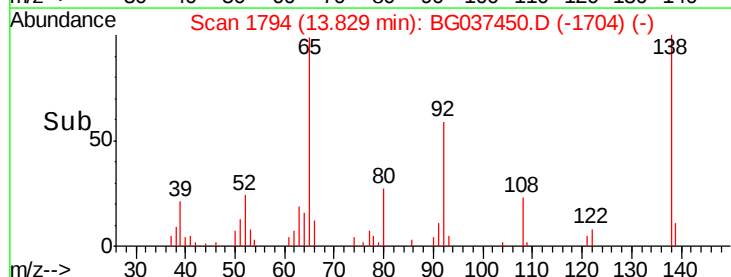
138 100.7 79.3 118.9

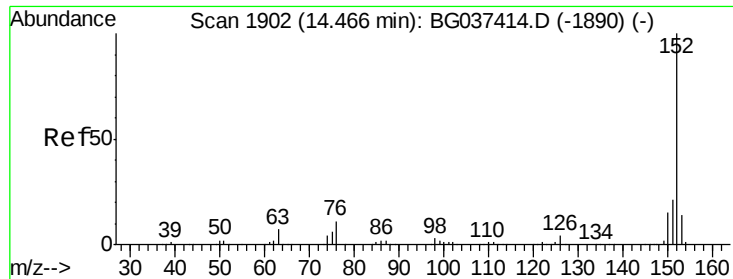


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 5.494 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

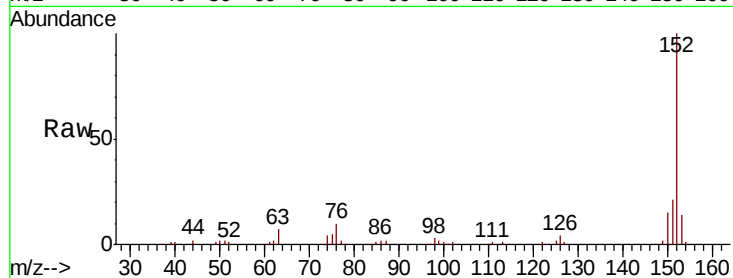
Tgt Ion:152 Resp: 83355

Ion Ratio Lower Upper

152 100

151 21.5 17.1 25.7

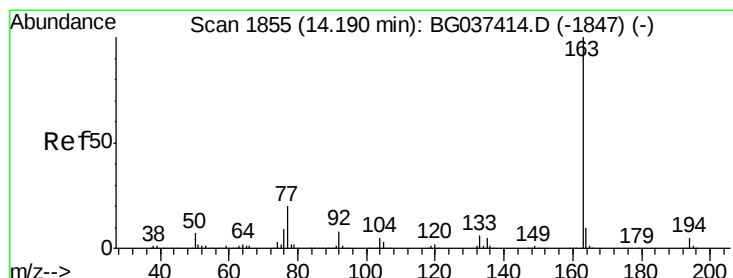
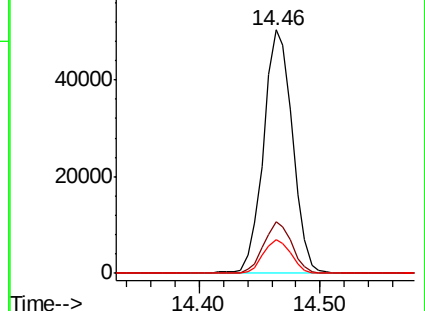
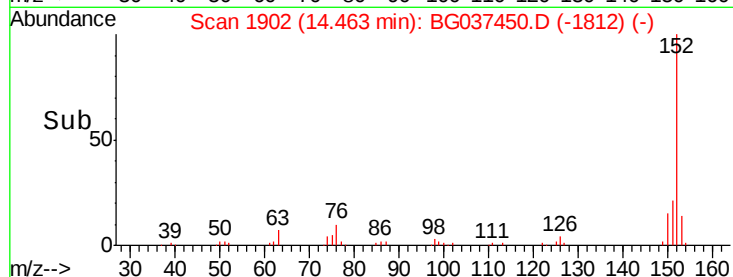
153 13.6 11.1 16.7



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: 5.199 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

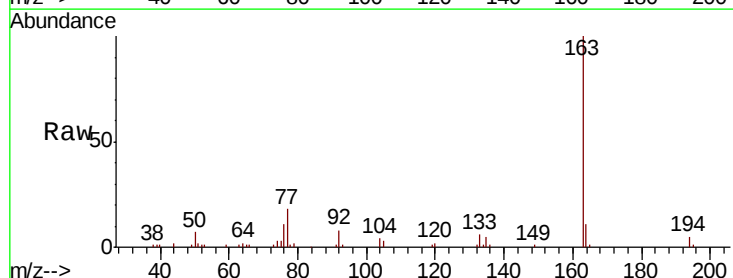
Tgt Ion:163 Resp: 64746

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

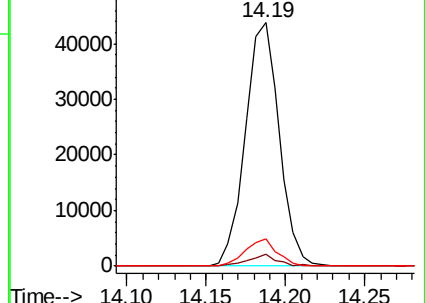
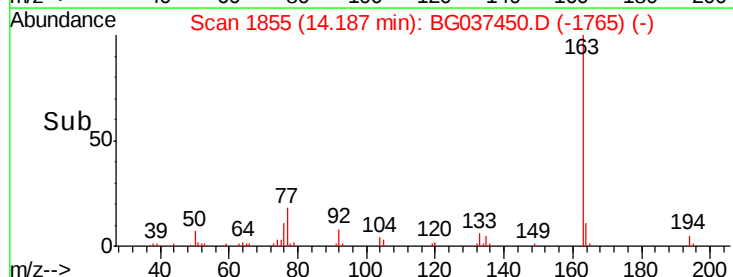
164 11.3 8.5 12.7

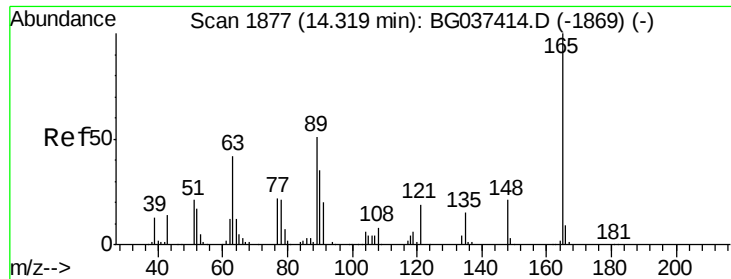


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

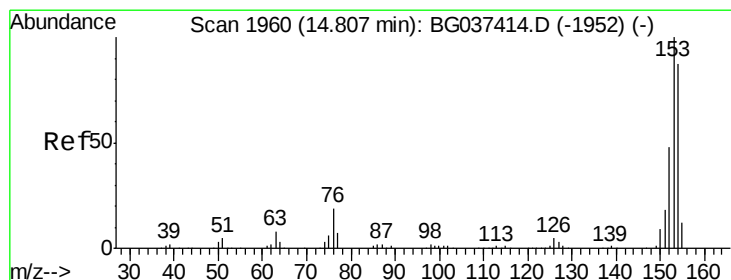
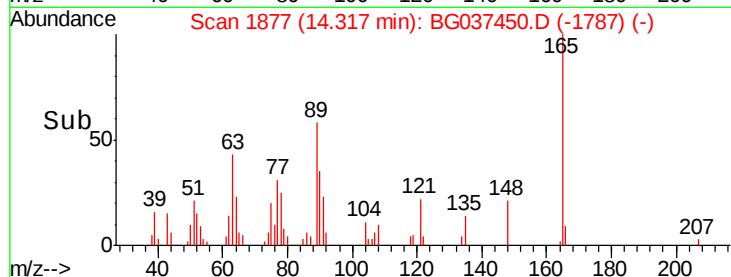
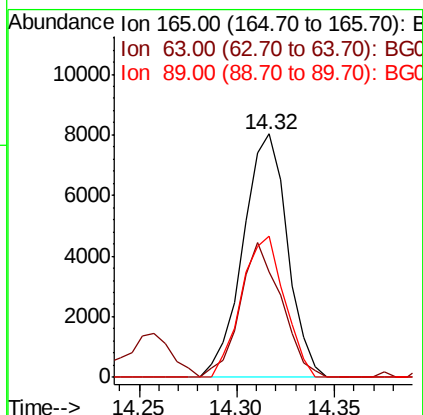
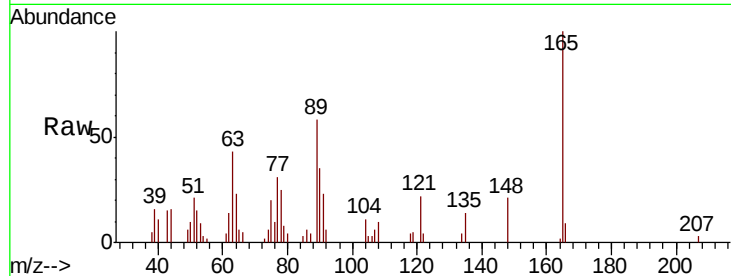




#51
 2,6-Dinitrotoluene
 Concen: 4.588 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

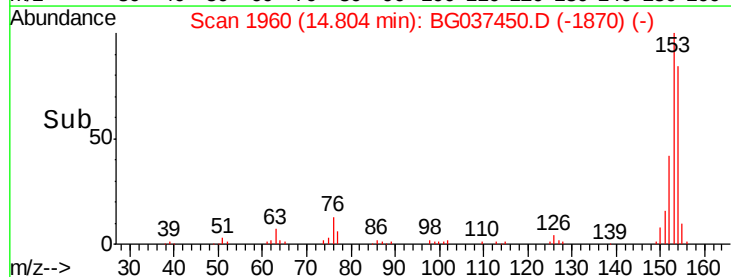
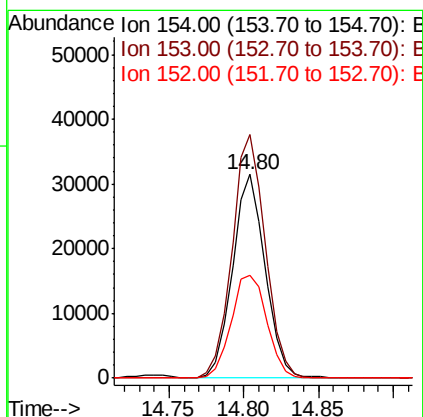
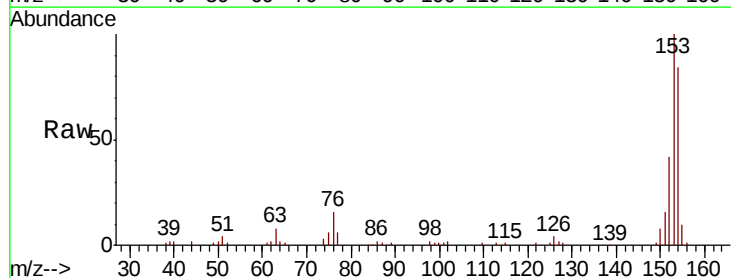
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

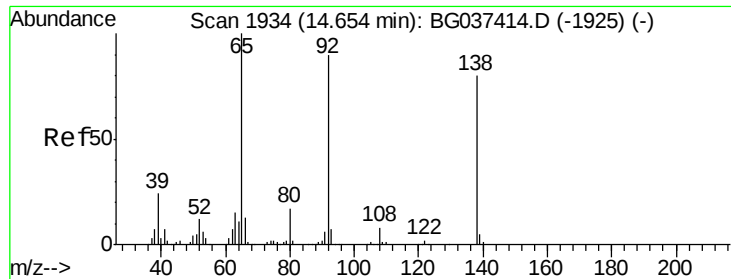
Tgt Ion:165 Resp: 12641
 Ion Ratio Lower Upper
 165 100
 63 43.0 43.4 65.2#
 89 58.1 45.8 68.6



#52
 Acenaphthene
 Concen: 5.112 ng
 RT: 14.80 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion:154 Resp: 47774
 Ion Ratio Lower Upper
 154 100
 153 119.8 93.4 140.0
 152 50.3 44.7 67.1

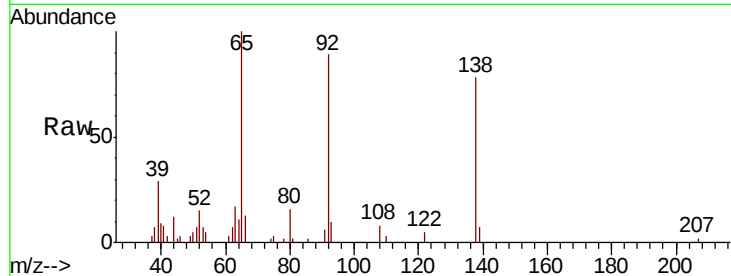




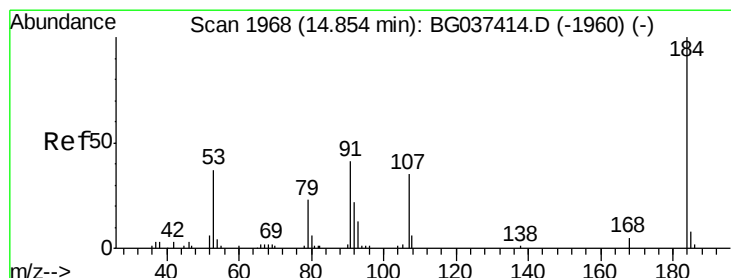
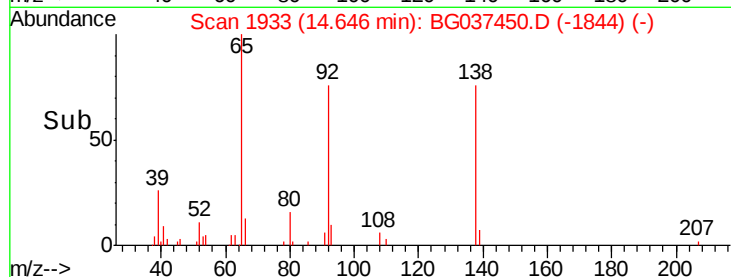
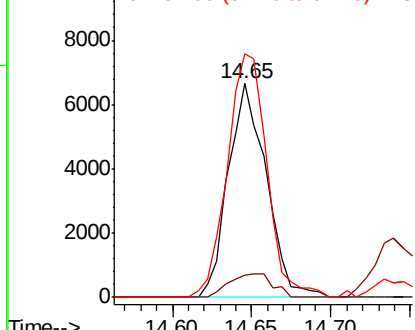
#53
3-Nitroaniline
Concen: 3.625 ng
RT: 14.65 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:138 Resp: 11088
Ion Ratio Lower Upper
138 100
108 10.2 11.0 16.6#
92 113.9 95.2 142.8

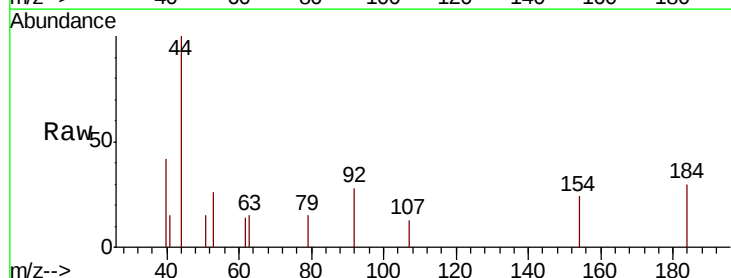


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BGC

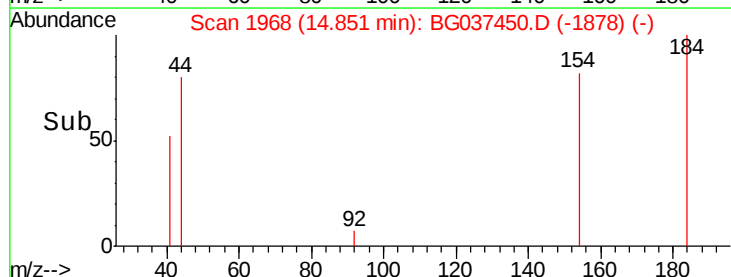
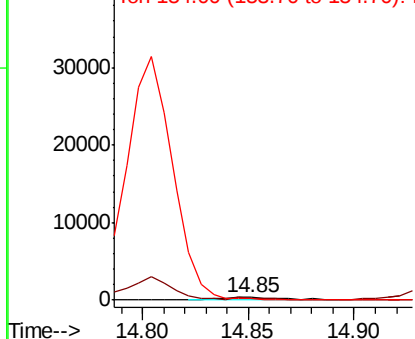


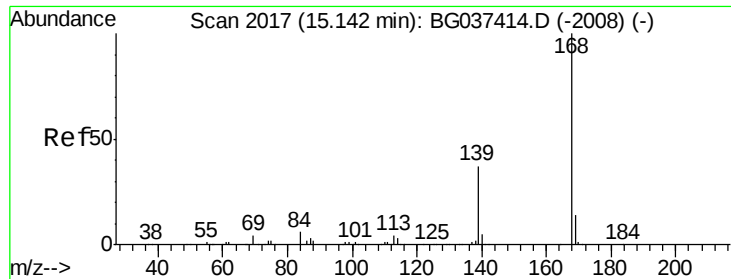
#54
2,4-Dinitrophenol
Concen: 7.138 ng
RT: 14.85 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:184 Resp: 649
Ion Ratio Lower Upper
184 100
63 51.8 42.6 63.8
154 82.0 41.8 62.6#



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

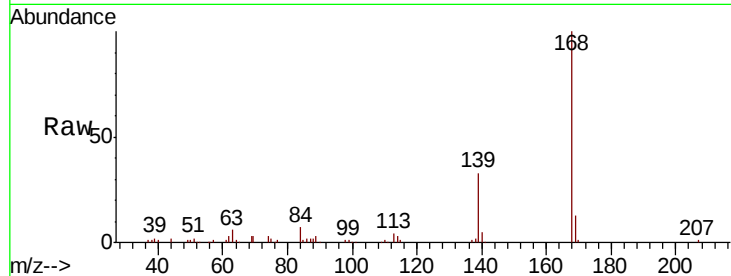




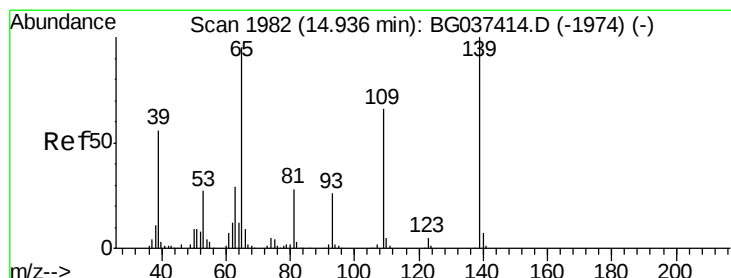
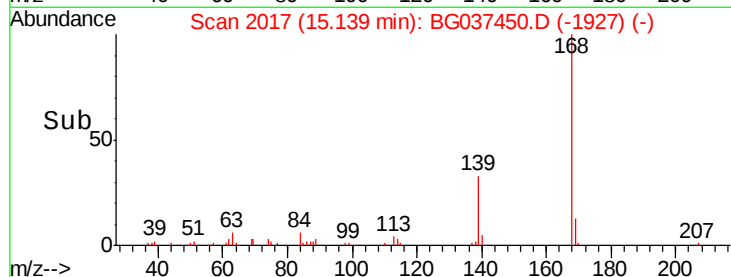
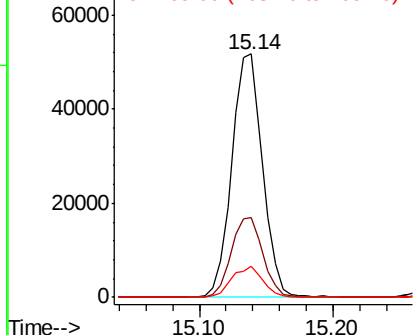
#55
Dibenzenofuran
Concen: 5.338 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:168 Resp: 82641
Ion Ratio Lower Upper
168 100
139 32.6 29.4 44.0
169 12.7 11.0 16.6

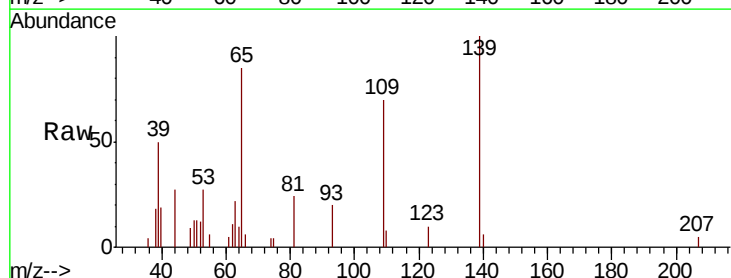


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

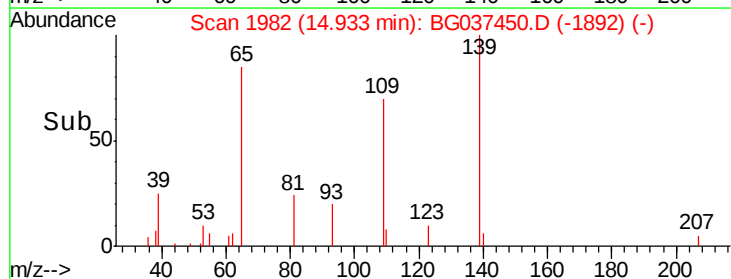
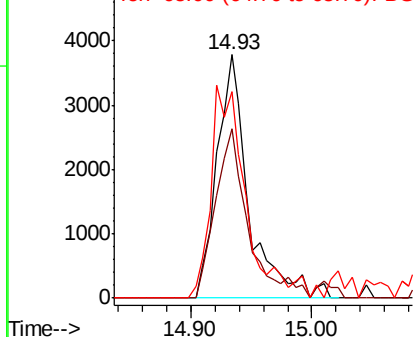


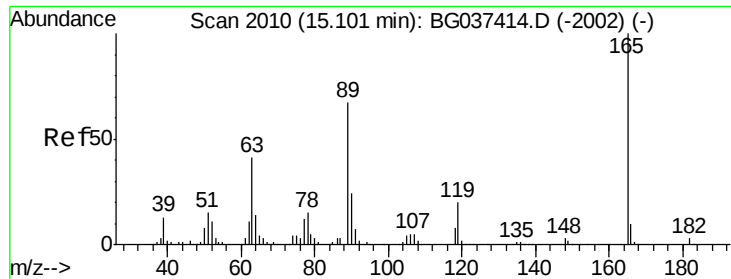
#56
4-Nitrophenol
Concen: 3.027 ng
RT: 14.93 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:139 Resp: 6854
Ion Ratio Lower Upper
139 100
109 69.6 49.5 89.5
65 85.0 76.8 116.8



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

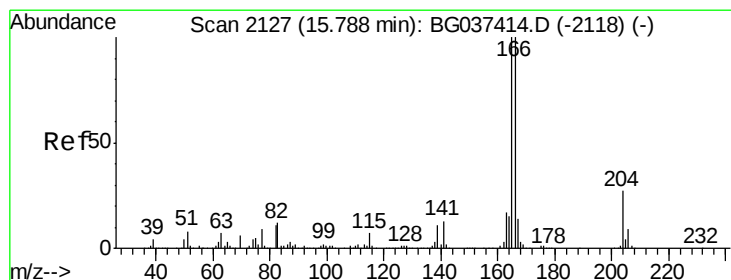
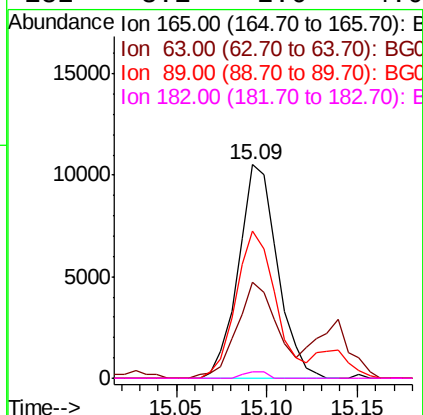
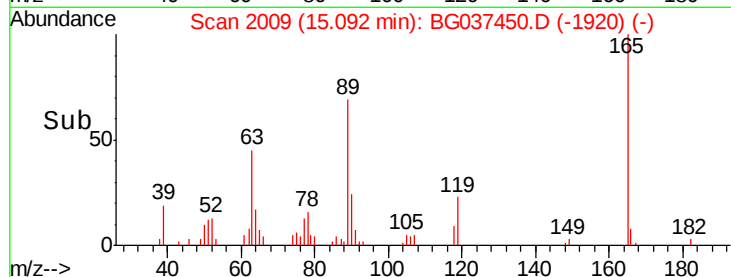
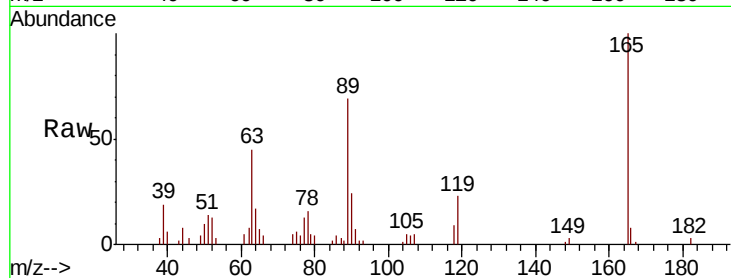




#57
2,4-Dinitrotoluene
Concen: 4.336 ng
RT: 15.09 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

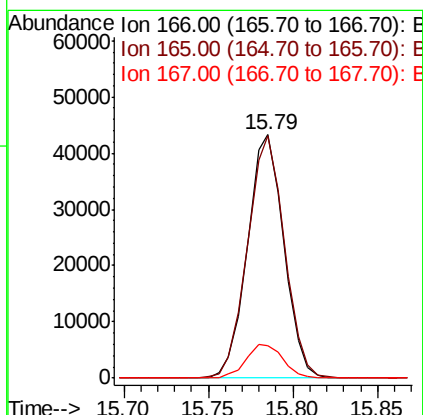
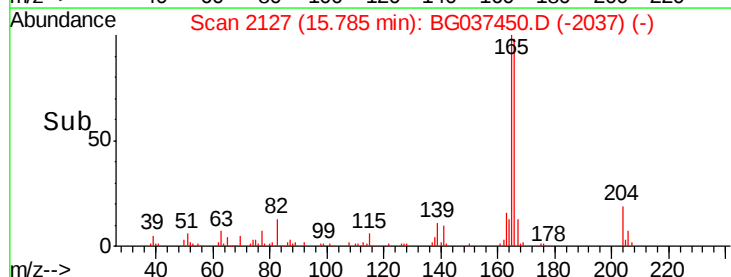
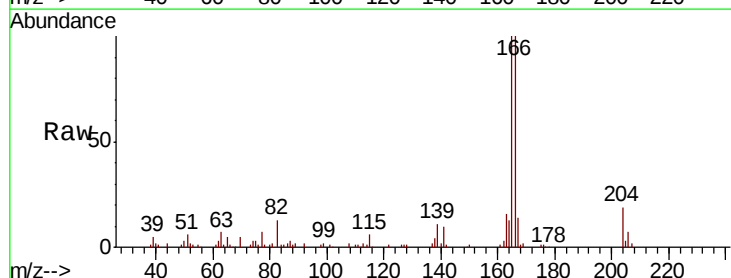
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	165	Resp:	15681
Ion	Ratio	Lower	Upper
165	100		
63	45.2	33.4	50.0
89	68.8	57.2	85.8
182	3.1	2.6	4.0



#58
Fluorene
Concen: 5.604 ng
RT: 15.79 min Scan# 2127
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:	166	Resp:	64972
Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.0	118.6
167	13.5	11.3	16.9

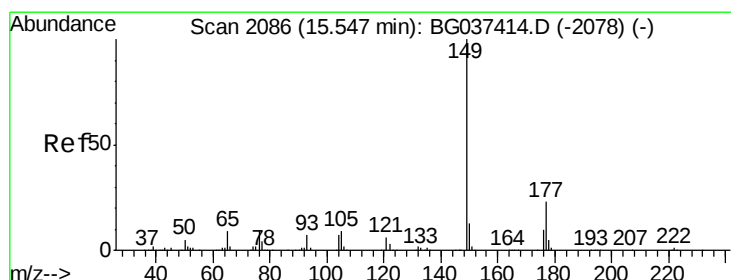
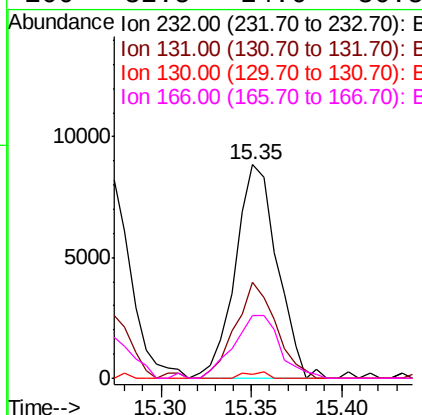
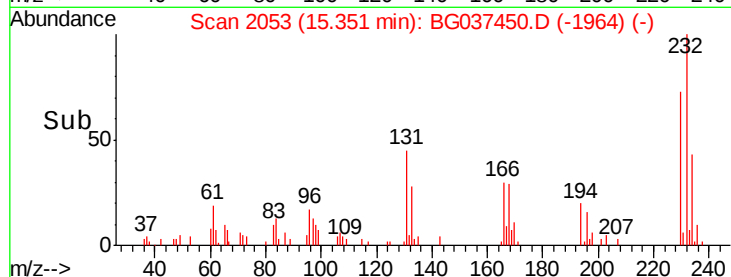
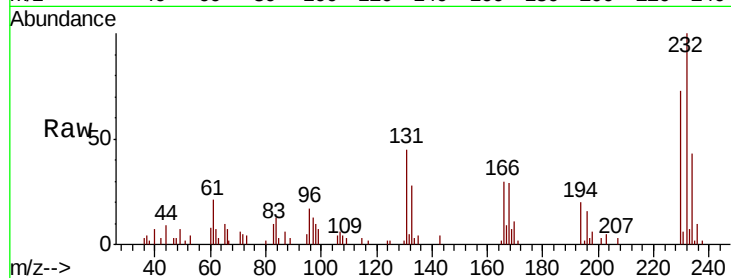




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.399 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

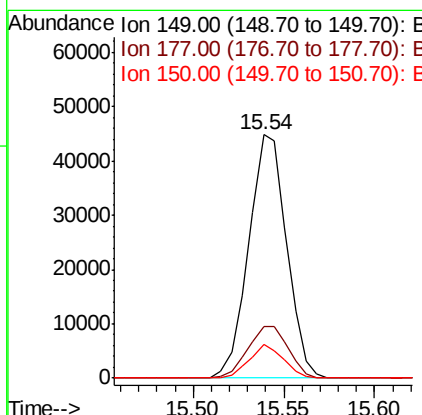
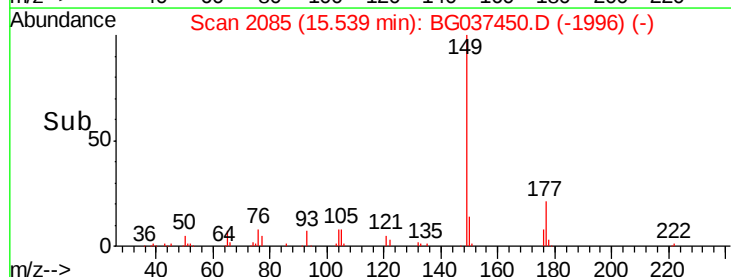
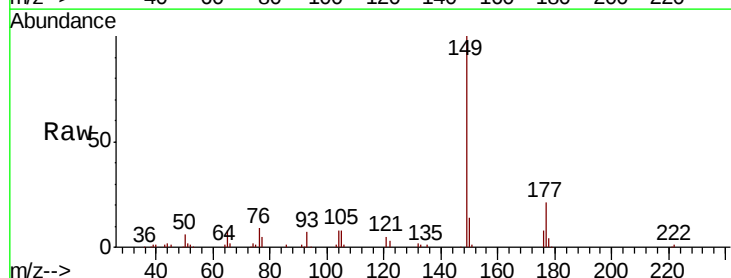
Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

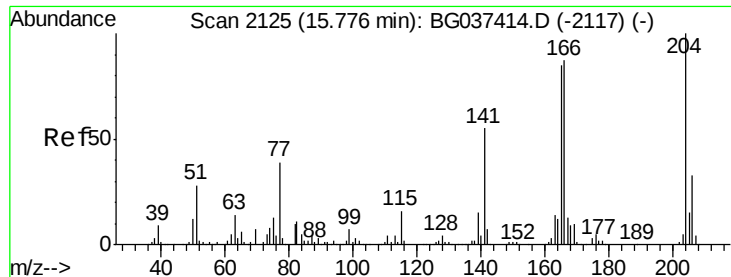
Tgt Ion:	232	Resp:	14227
Ion	Ratio	Lower	Upper
232	100		
131	43.6	33.7	50.5
130	1.6	2.1	3.1
166	32.5	24.6	36.8



#60
 Diethylphthalate
 Concen: 5.079 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion:	149	Resp:	64947
Ion	Ratio	Lower	Upper
149	100		
177	21.4	18.3	27.5
150	13.6	10.0	15.0

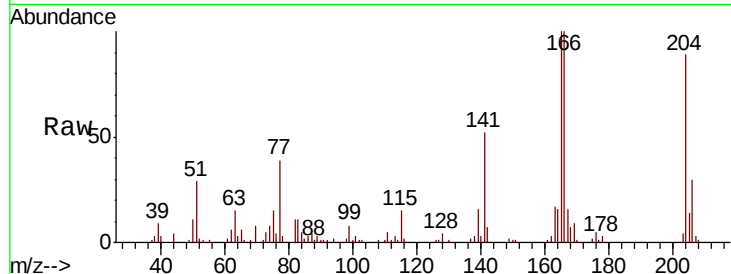




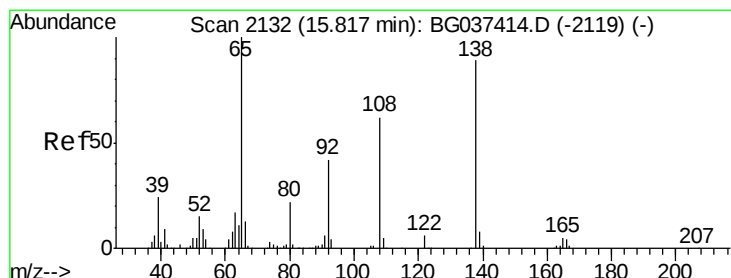
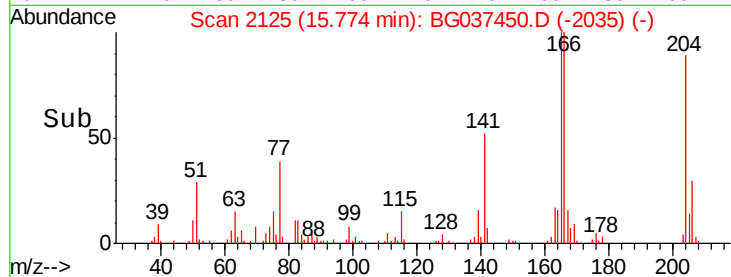
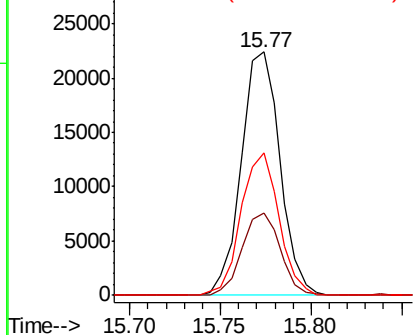
#61
 4-Chlorophenyl-phenylether
 Concen: 4.949 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 204 Resp: 33442
 Ion Ratio Lower Upper
 204 100
 206 33.7 26.6 39.8
 141 58.7 45.4 68.2

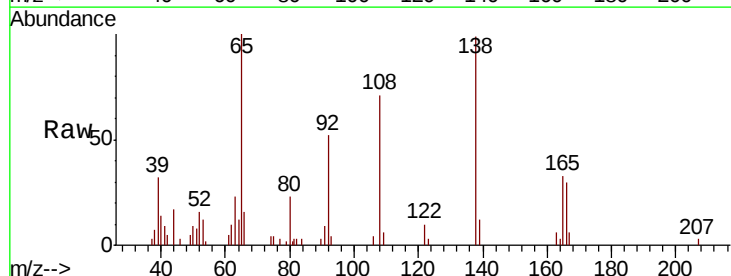


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

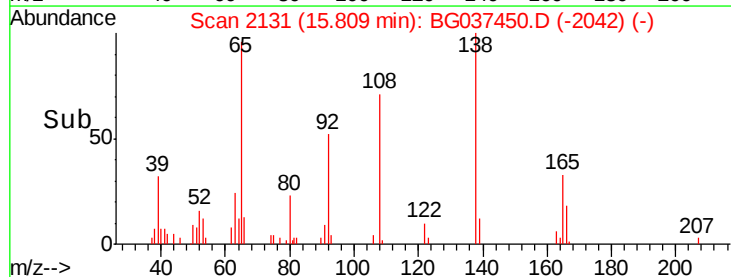
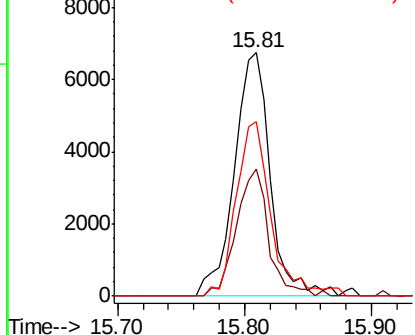


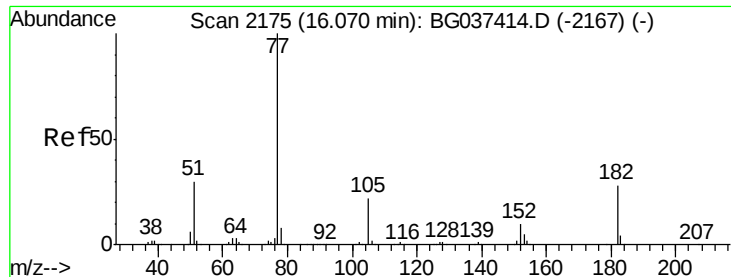
#62
 4-Nitroaniline
 Concen: 4.353 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion: 138 Resp: 13229
 Ion Ratio Lower Upper
 138 100
 92 52.3 36.4 76.4
 108 71.5 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

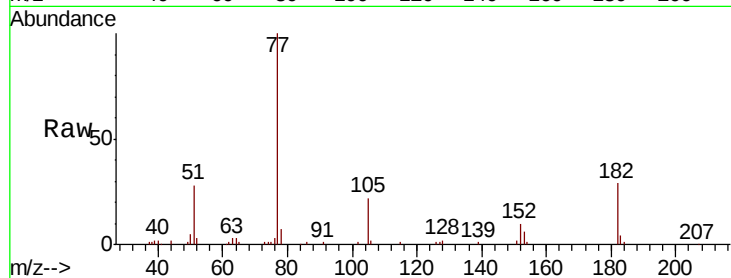




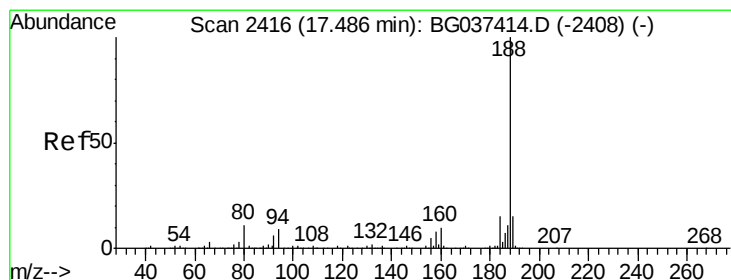
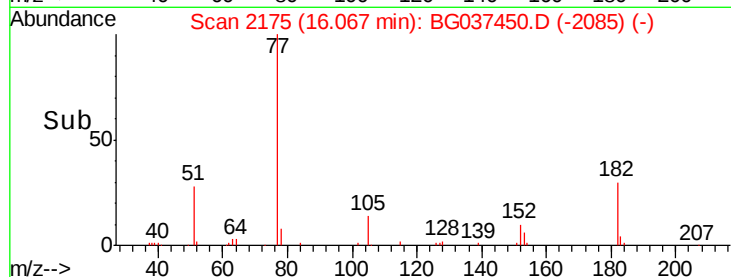
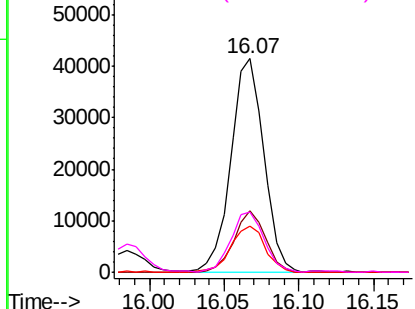
#63
Azobenzene
Concen: 5.242 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	77	Resp:	63950
Ion	Ratio	Lower	Upper
77	100		
182	28.5	8.0	48.0
105	21.8	1.3	41.3
51	28.3	10.7	50.7

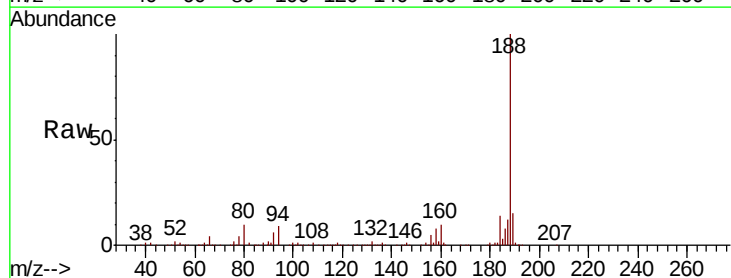


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

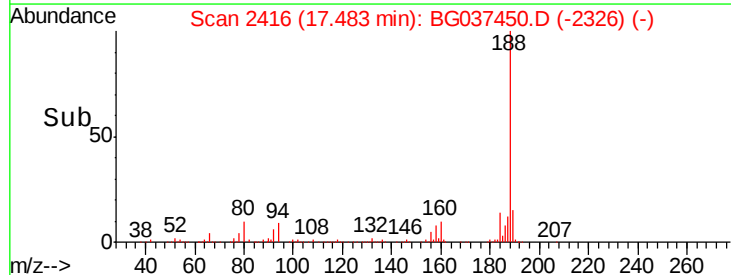
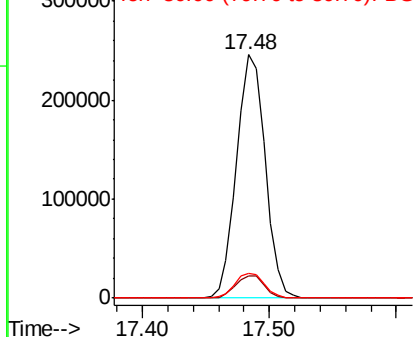


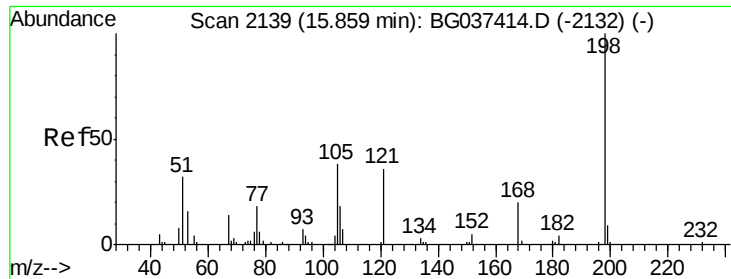
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:	188	Resp:	384858
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	10.3	7.7	11.5



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

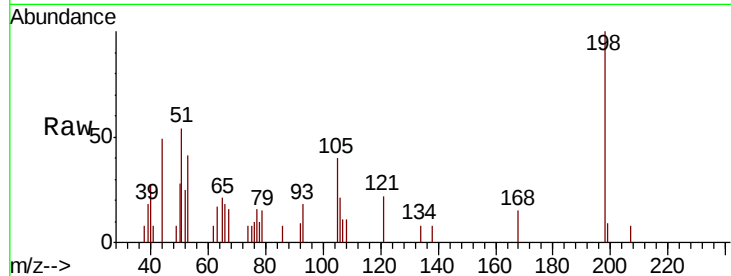




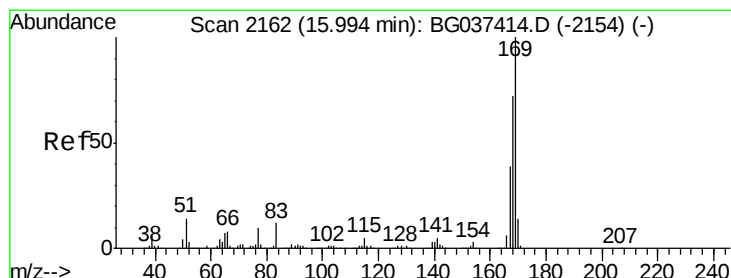
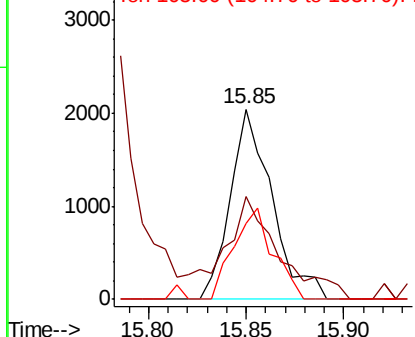
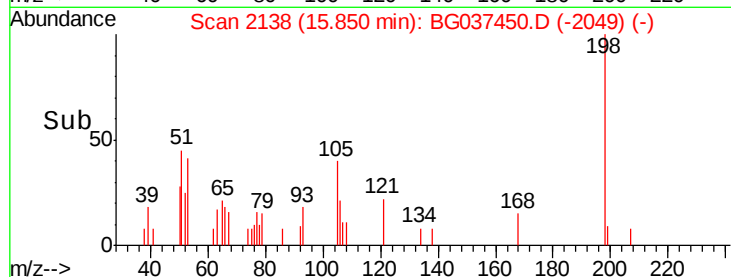
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.736 ng
 RT: 15.85 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:198 Resp: 3015
 Ion Ratio Lower Upper
 198 100
 51 54.2 22.7 62.7
 105 39.6 19.7 59.7

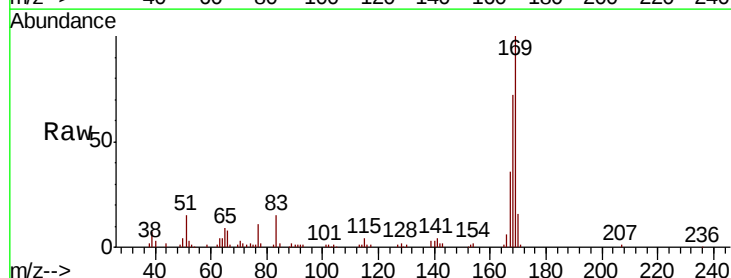


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

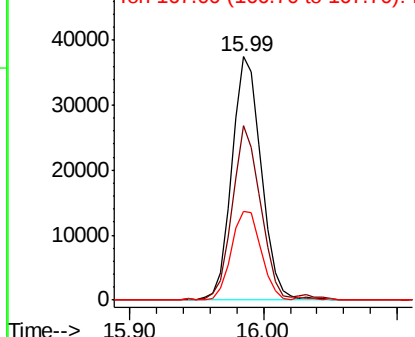
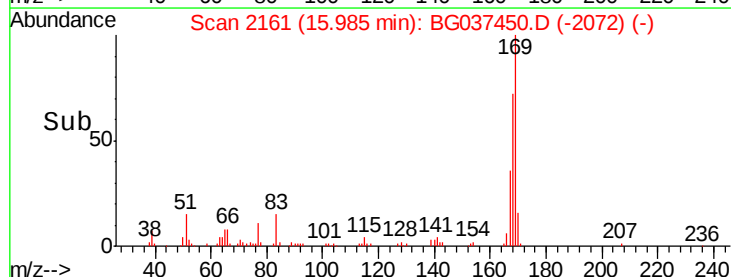


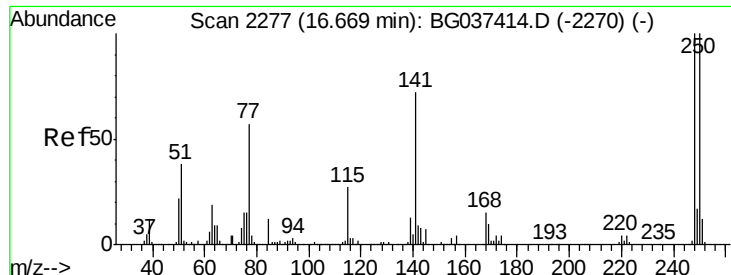
#66
 n-Nitrosodiphenylamine
 Concen: 4.935 ng
 RT: 15.99 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion:169 Resp: 57130
 Ion Ratio Lower Upper
 169 100
 168 71.8 55.7 83.5
 167 36.3 31.3 46.9



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

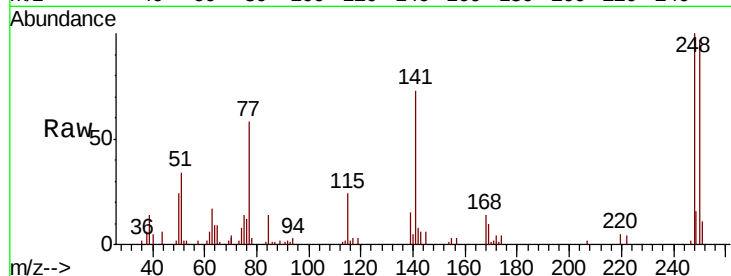




#67
 4-Bromophenyl-phenylether
 Concen: 4.835 ng
 RT: 16.67 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.0	115.6
141	72.8	55.5	83.3

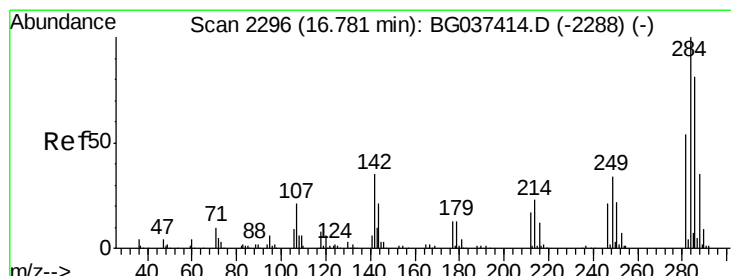
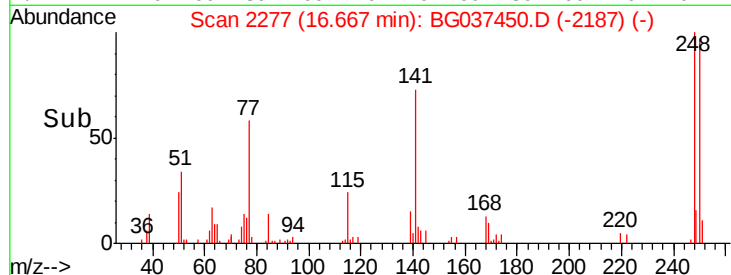
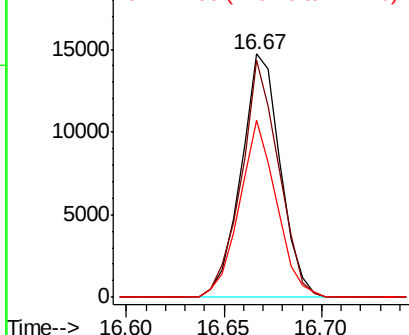


Abundance

Ion 248.00 (247.70 to 248.70): E

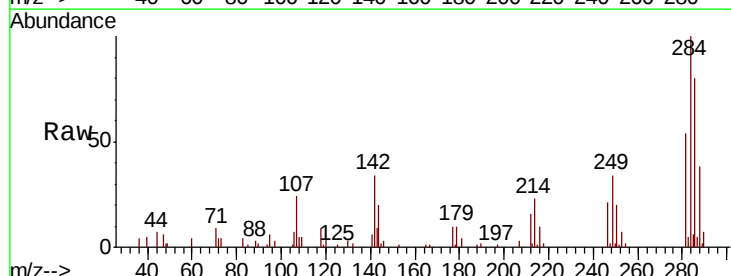
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 4.769 ng
 RT: 16.78 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: BG037450.D
 Acq: 19 Oct 2018 12:42

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	28.1	42.1
249	36.6	29.8	44.8

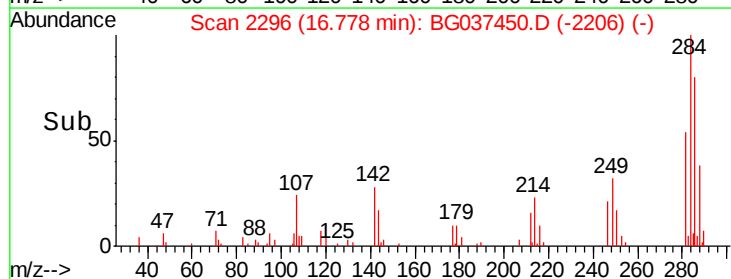
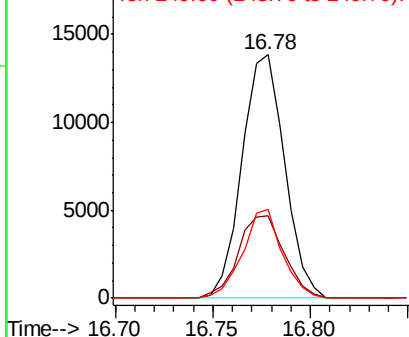


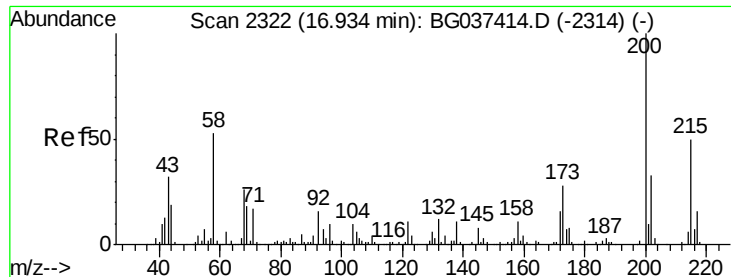
Abundance

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

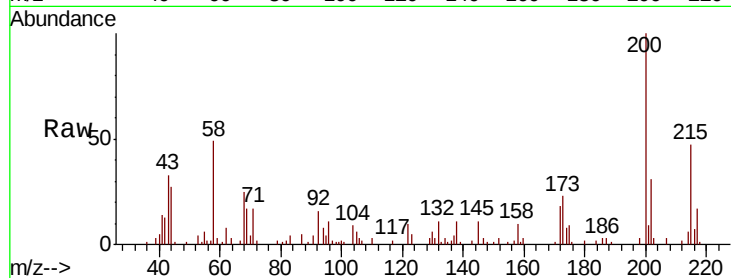




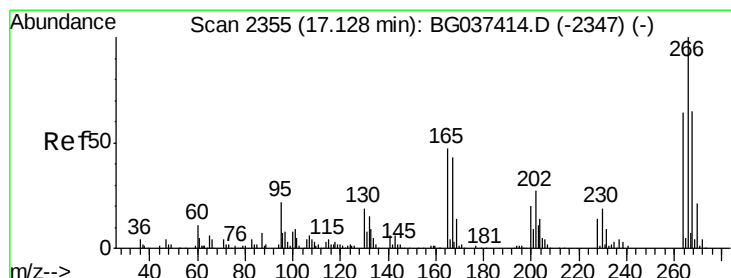
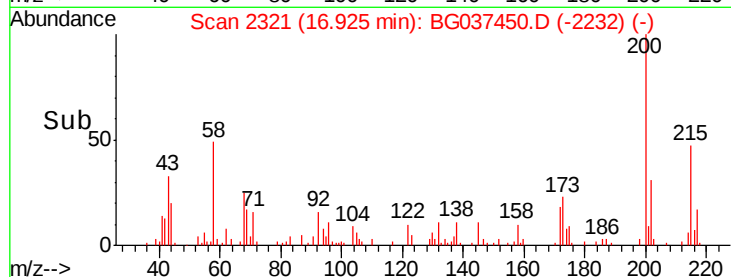
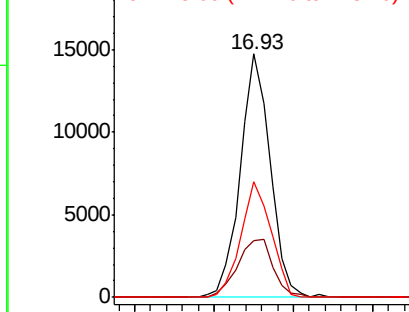
#69
Atrazine
Concen: 4.608 ng
RT: 16.93 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:200 Resp: 19288
Ion Ratio Lower Upper
200 100
173 23.1 6.1 46.1
215 47.4 30.8 70.8

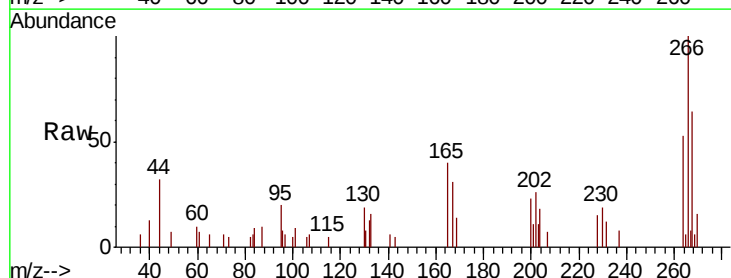


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

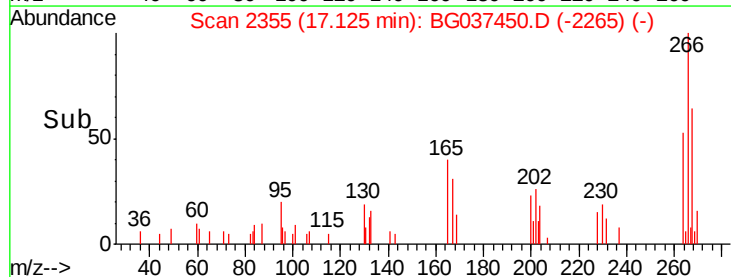
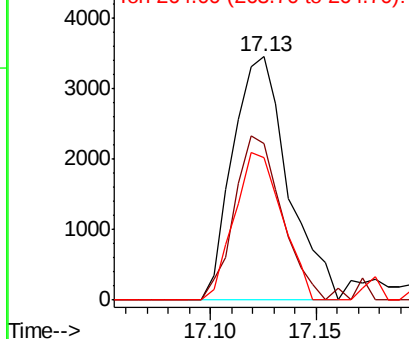


#70
Pentachlorophenol
Concen: 2.146 ng
RT: 17.13 min Scan# 2355
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:266 Resp: 6295
Ion Ratio Lower Upper
266 100
268 64.4 55.0 82.6
264 58.7 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

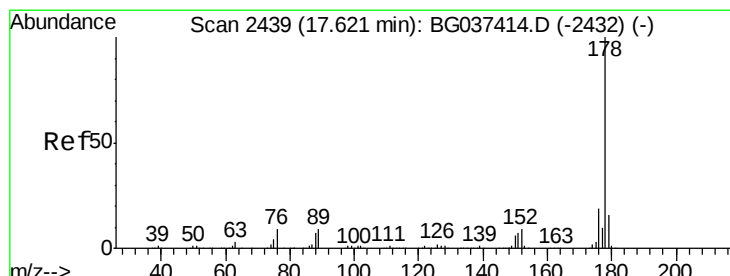
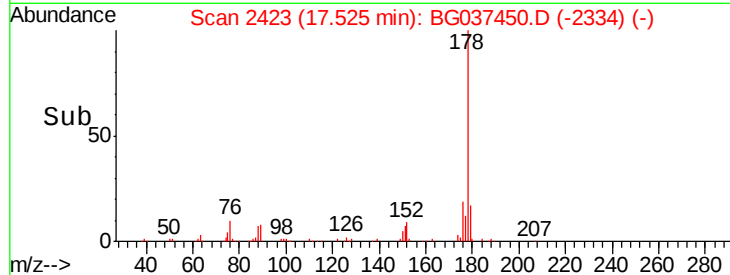
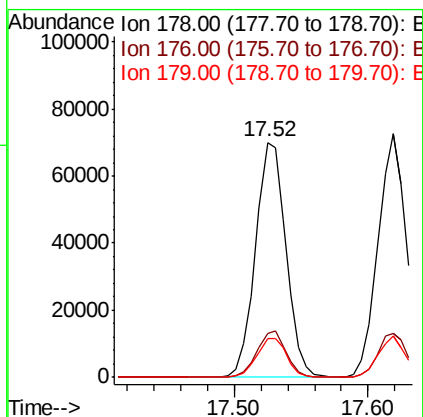
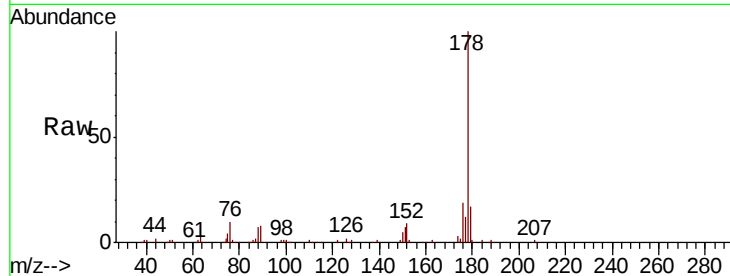




#71
Phenanthrene
Concen: 5.616 ng
RT: 17.52 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

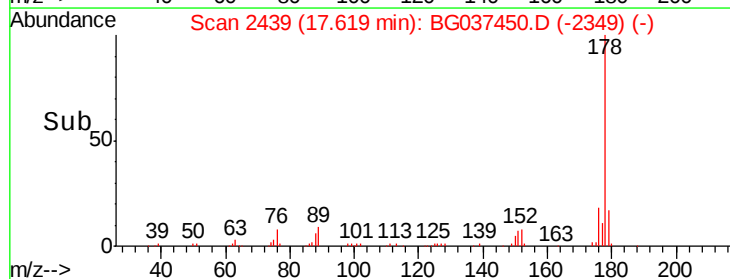
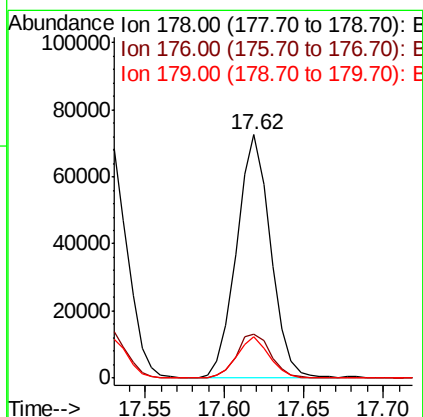
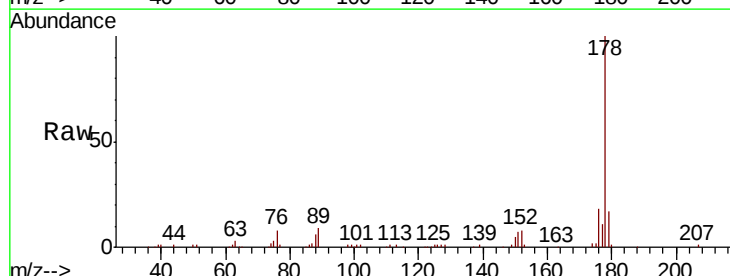
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

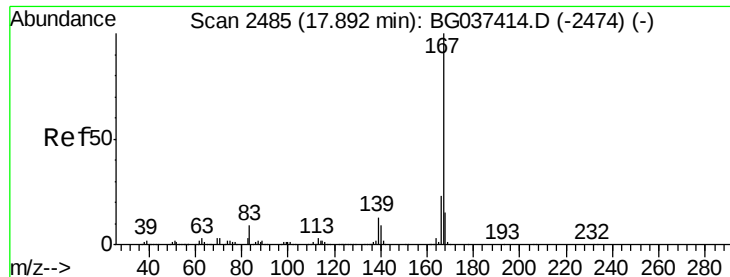
Tgt Ion:178 Resp: 109845
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 16.7 13.0 19.4



#72
Anthracene
Concen: 5.622 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion:178 Resp: 107918
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 17.0 12.8 19.2





#73

Carbazole

Concen: 5.038 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

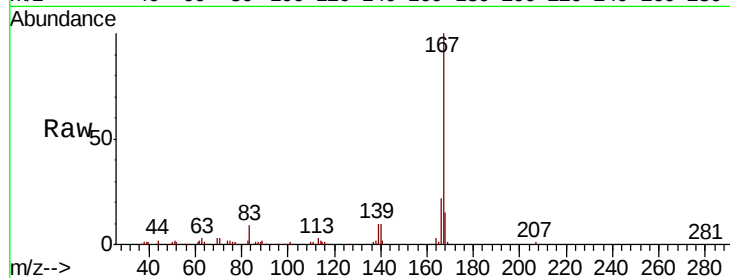
Tgt Ion:167 Resp: 96734

Ion Ratio Lower Upper

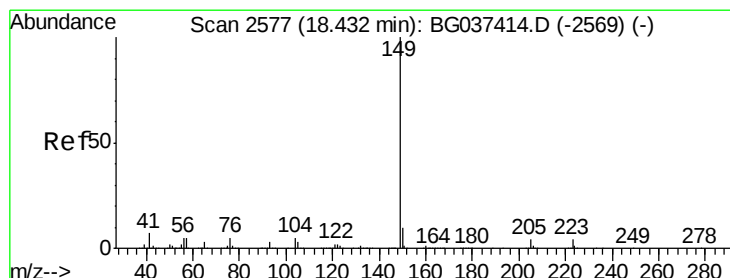
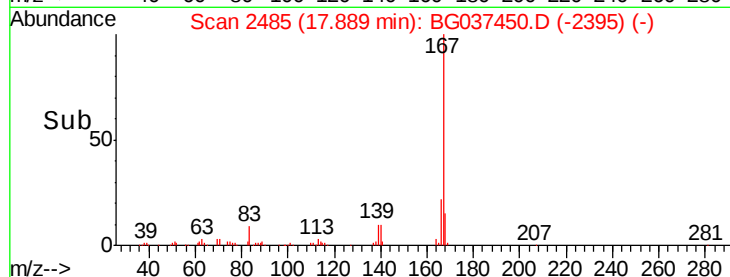
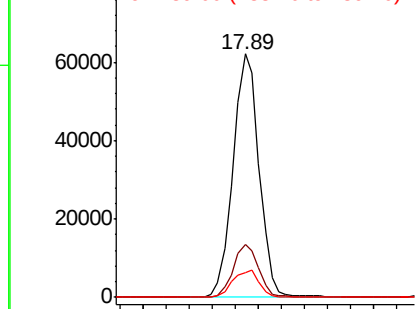
167 100

166 21.8 18.3 27.5

139 10.2 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: 5.006 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

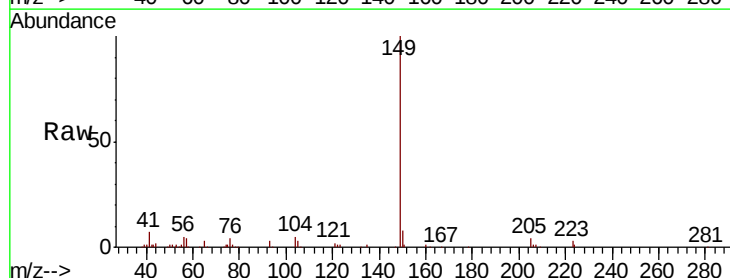
Tgt Ion:149 Resp: 106923

Ion Ratio Lower Upper

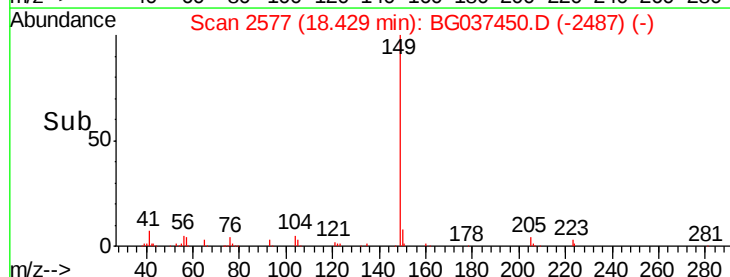
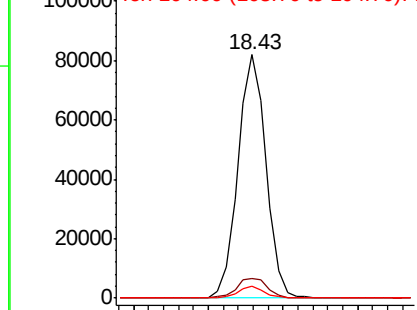
149 100

150 8.0 8.2 12.2#

104 4.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.590 ng

RT: 19.53 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

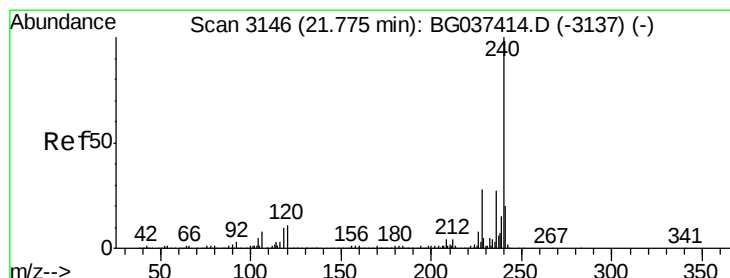
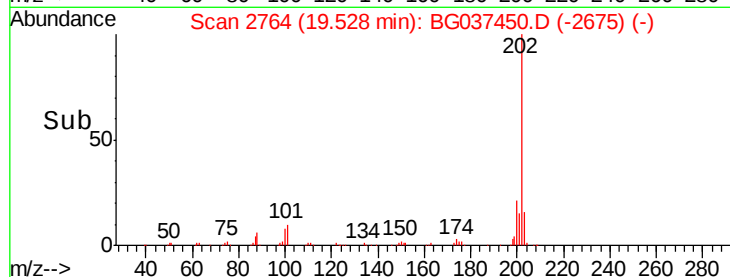
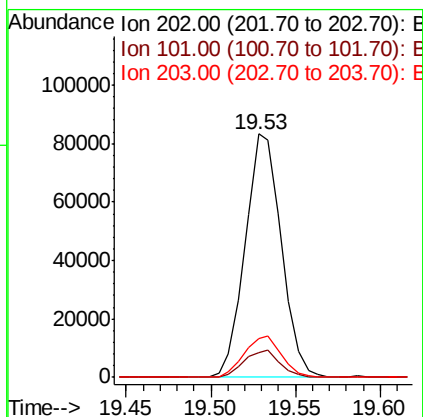
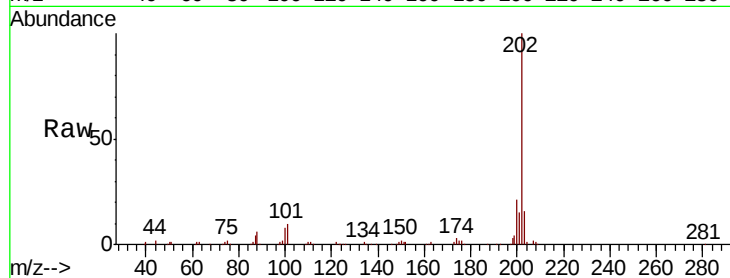
Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	202	Resp:	124021
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	30.7
203	15.9	0.0	38.5



#76

Chrysene-d12

Concen: 20.000 ng

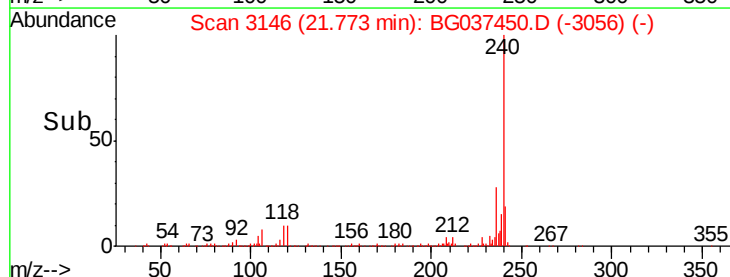
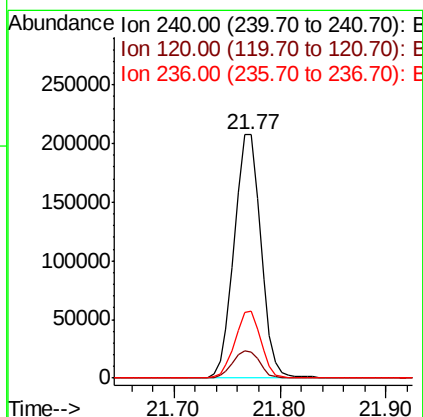
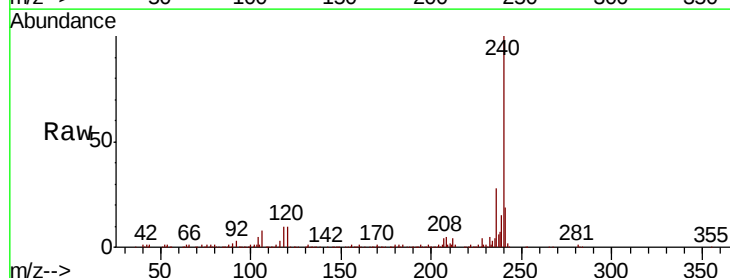
RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Tgt Ion:	240	Resp:	363962
Ion Ratio	Lower	Upper	
240	100		
120	10.5	8.1	12.1
236	27.6	21.4	32.0





#77

Benzidine

Concen: 1.047 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

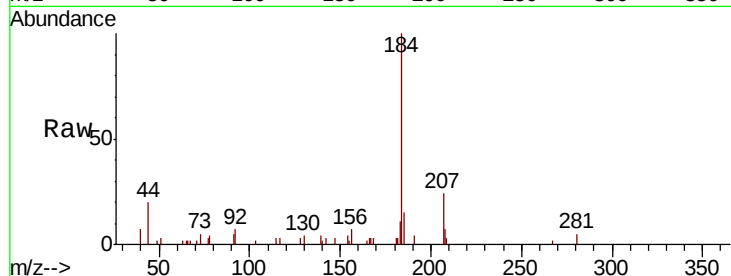
Tgt Ion:184 Resp: 12957

Ion Ratio Lower Upper

184 100

185 15.2 12.6 18.8

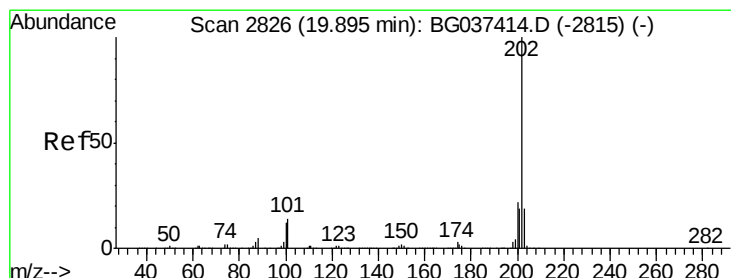
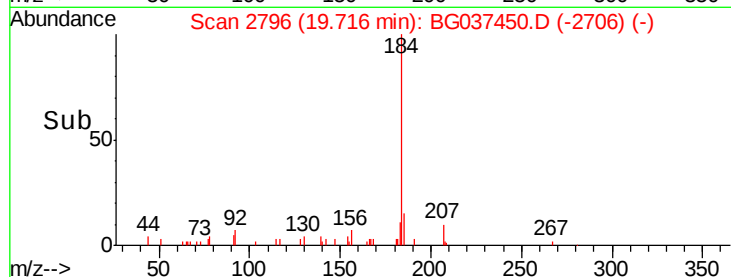
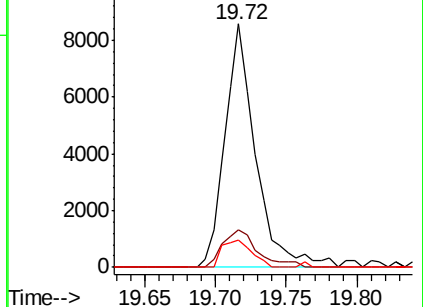
183 11.4 10.2 15.2



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

Pyrene

Concen: 5.382 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

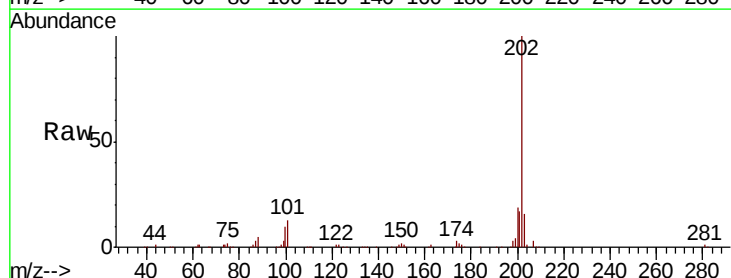
Tgt Ion:202 Resp: 128064

Ion Ratio Lower Upper

202 100

200 19.1 17.8 26.6

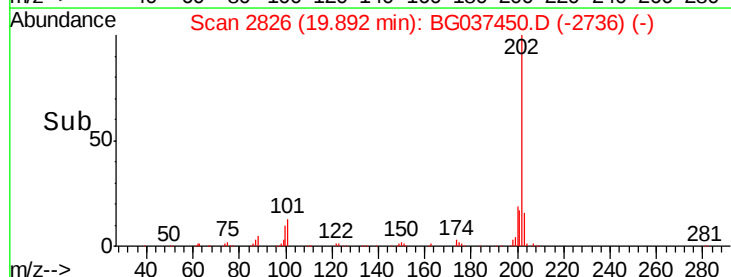
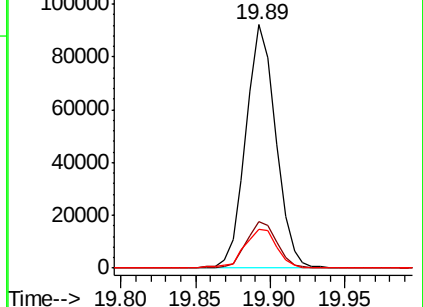
203 15.9 15.2 22.8

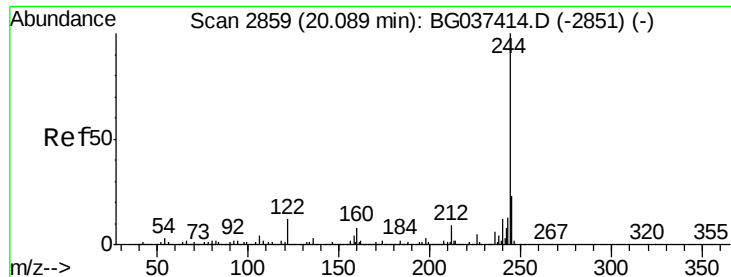


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.264 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

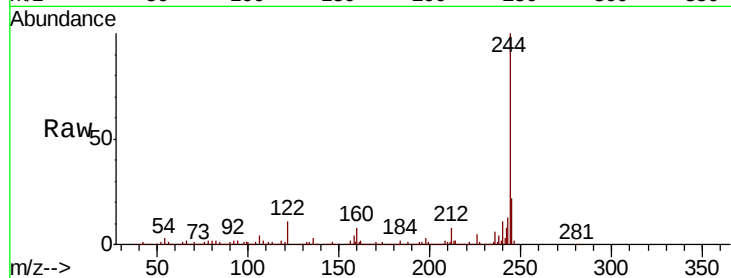
Tgt Ion:244 Resp: 1316063

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

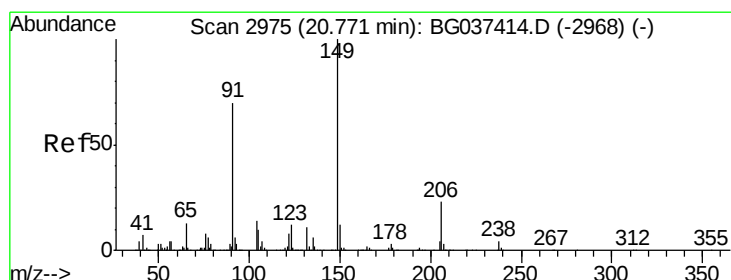
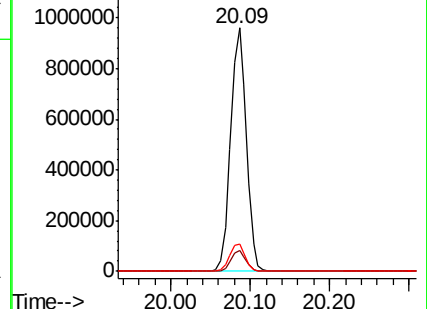
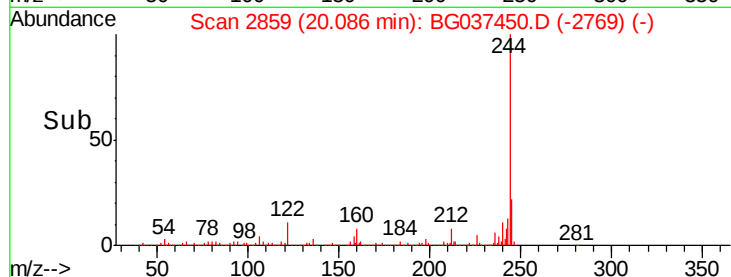
122 11.2 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.427 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

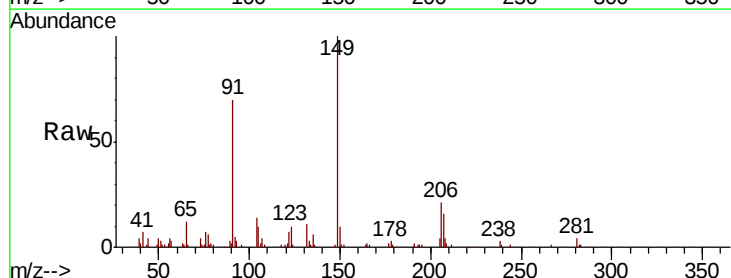
Tgt Ion:149 Resp: 43108

Ion Ratio Lower Upper

149 100

91 69.5 57.0 85.4

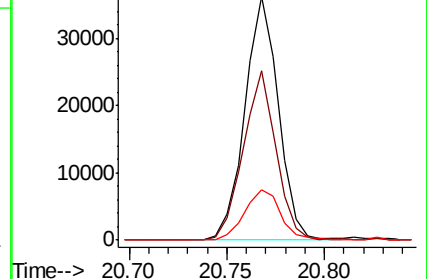
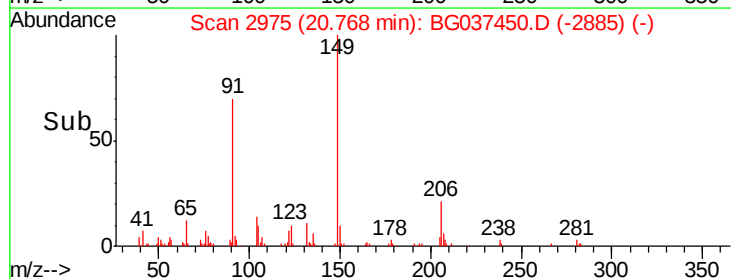
206 20.9 17.8 26.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

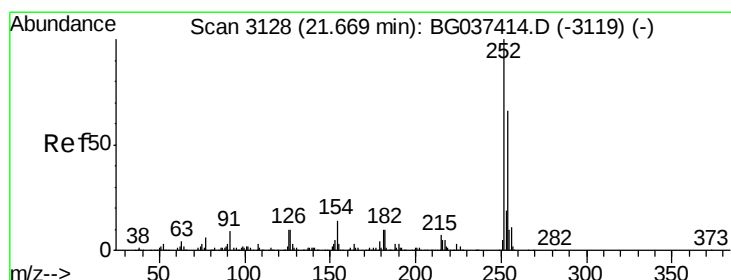
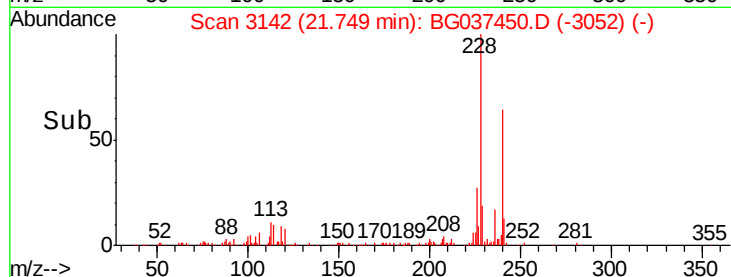
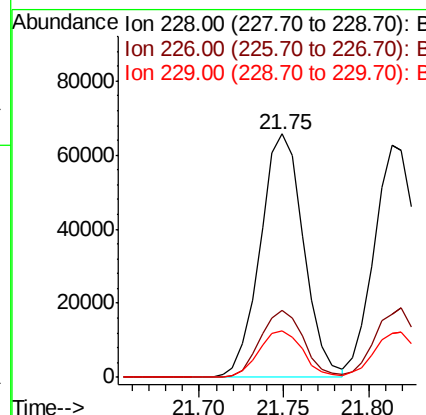
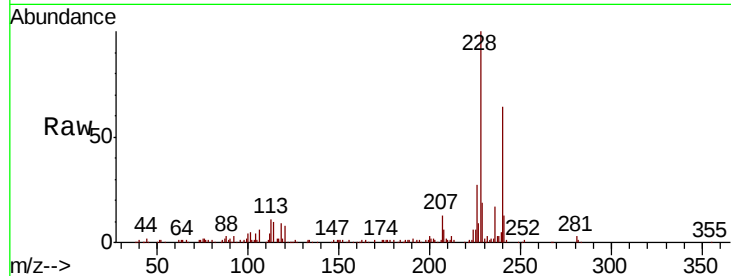




#81
Benzo(a)anthracene
Concen: 5.458 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

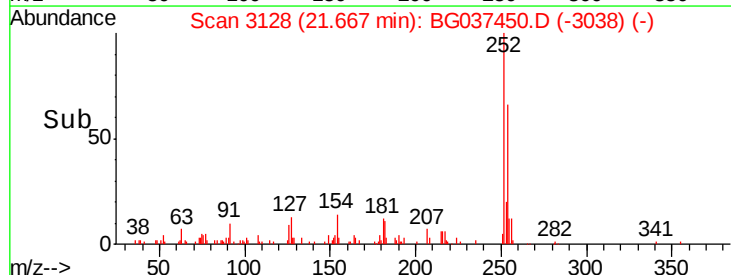
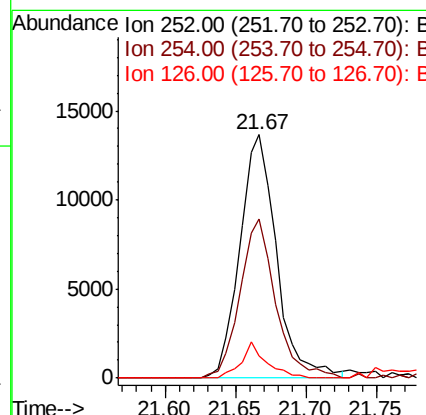
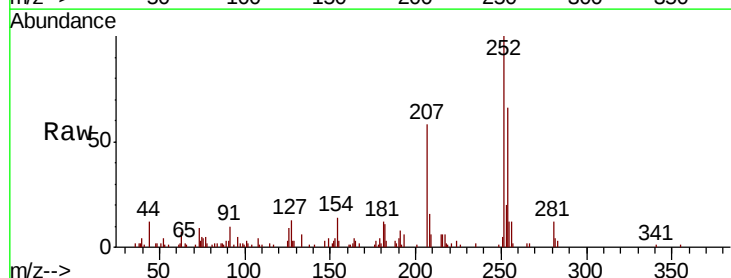
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

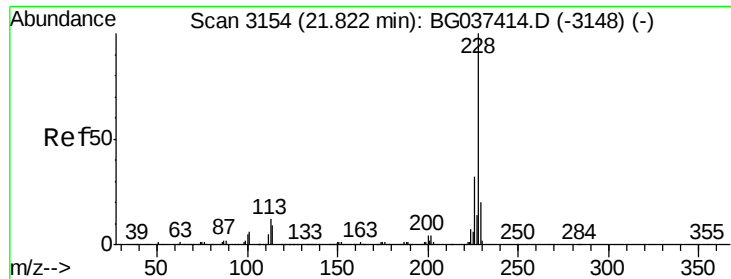
Tgt Ion: 228 Resp: 117503
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 19.3 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 2.975 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion: 252 Resp: 24825
Ion Ratio Lower Upper
252 100
254 65.6 52.0 78.0
126 9.2 8.2 12.4





#83

Chrysene

Concen: 5.477 ng

RT: 21.81 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

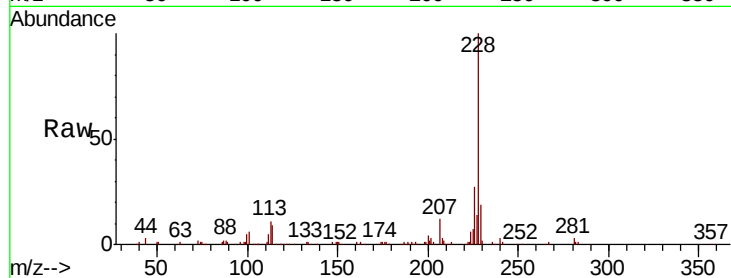
Tgt Ion:228 Resp: 113382

Ion Ratio Lower Upper

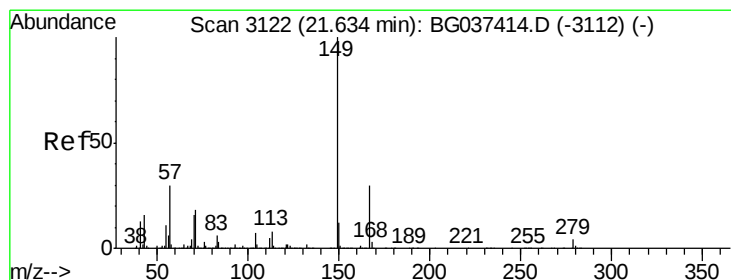
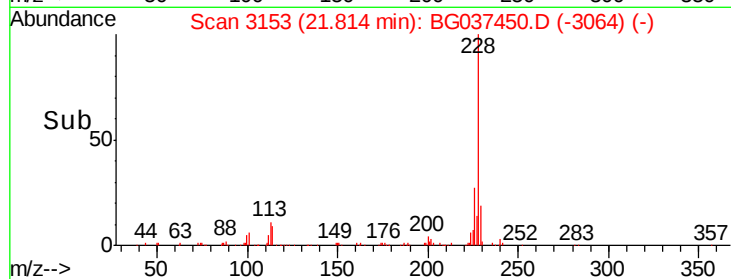
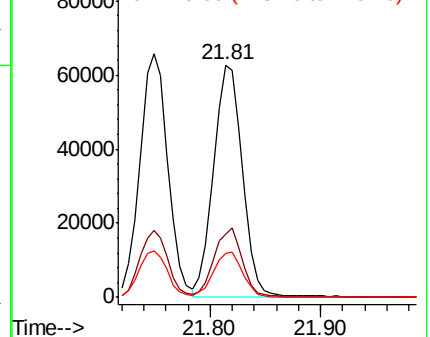
228 100

226 27.4 25.7 38.5

229 19.0 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: 4.348 ng

RT: 21.63 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

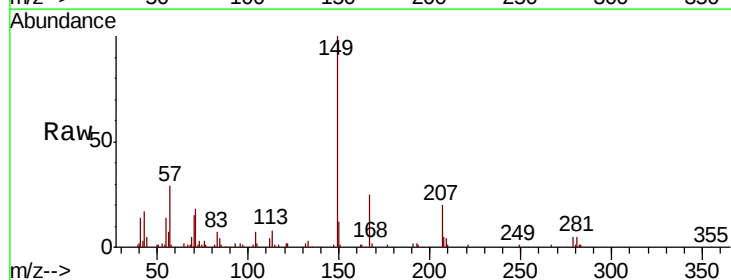
Tgt Ion:149 Resp: 59351

Ion Ratio Lower Upper

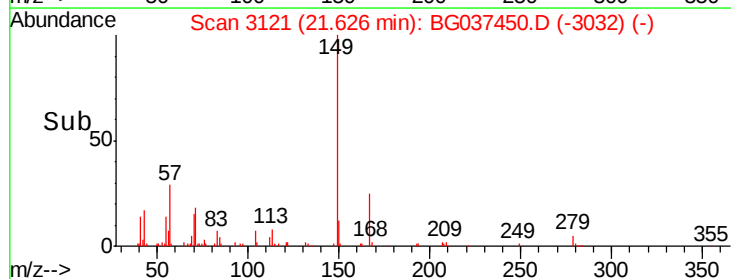
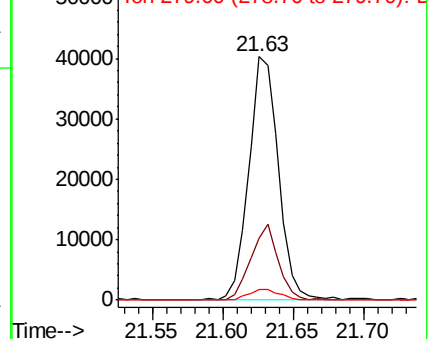
149 100

167 25.3 23.0 34.4

279 4.5 3.6 5.4



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





#85

Di-n-octyl phthalate

Concen: 4.351 ng

RT: 22.88 min Scan# 3334

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

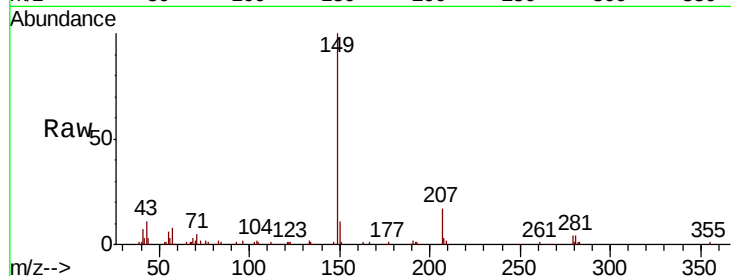
Instrument :

BNA_G

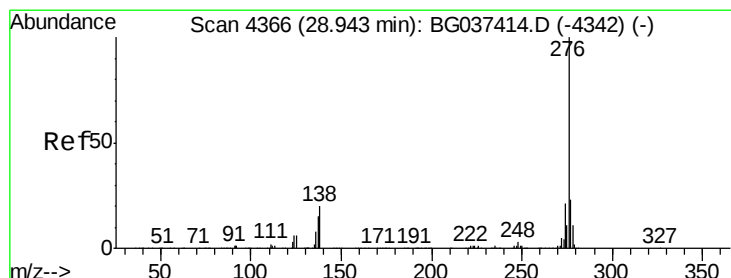
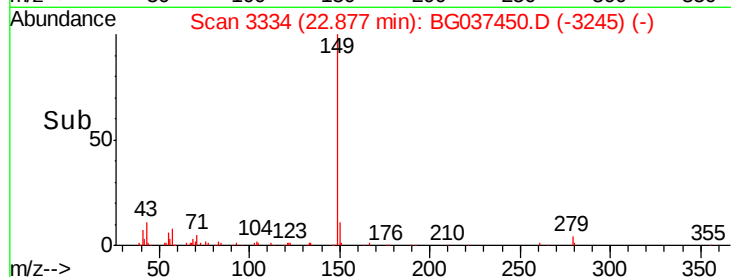
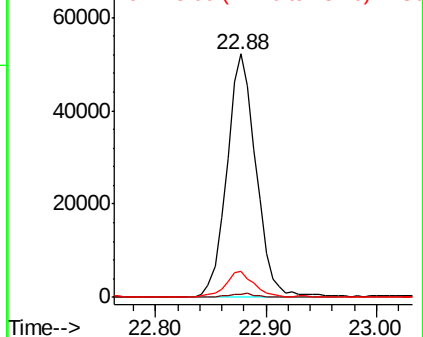
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	149	Resp:	96851
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.3	1.9
43	10.6	8.7	13.1



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 1.536 ng

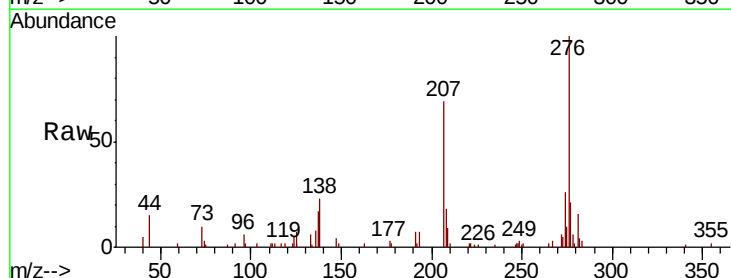
RT: 28.92 min Scan# 4362

Delta R.T. -0.03 min

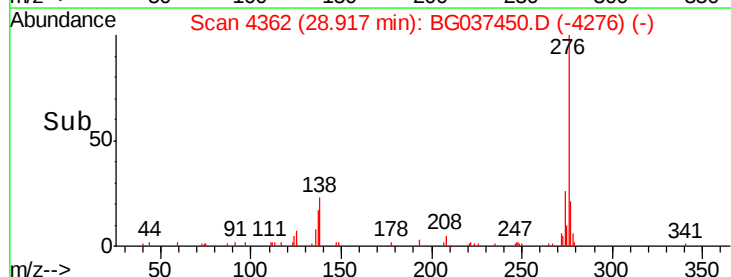
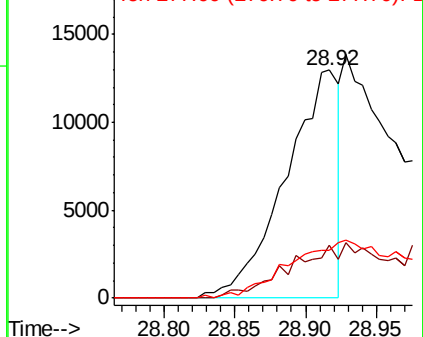
Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Tgt Ion:	276	Resp:	34095
Ion	Ratio	Lower	Upper
276	100		
138	22.3	12.0	18.0#
277	42.2	20.6	30.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

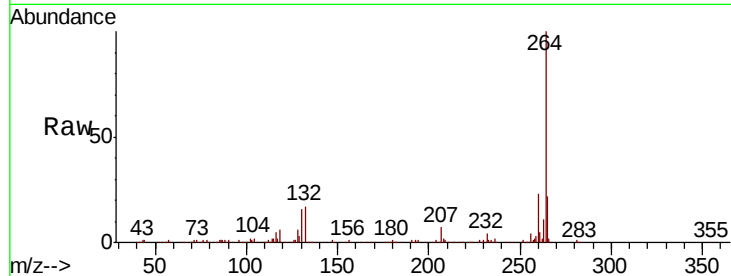
Tgt Ion:264 Resp: 357568

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.1 17.9 26.9

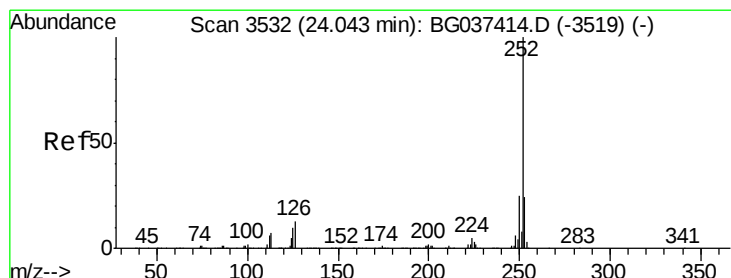
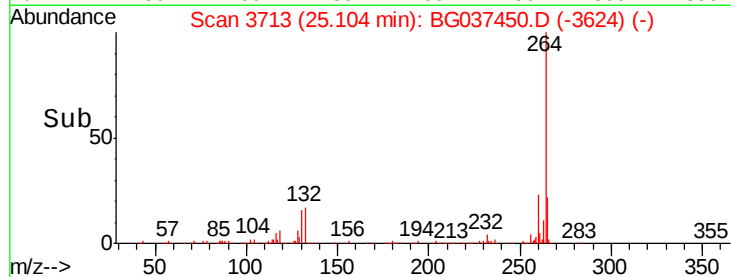
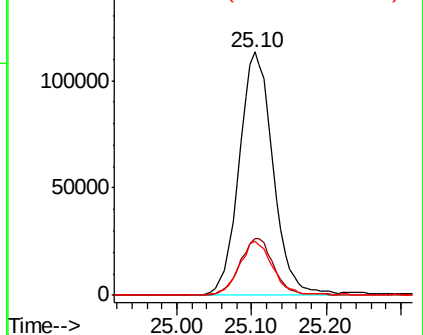


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 5.160 ng

RT: 24.03 min Scan# 3531

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

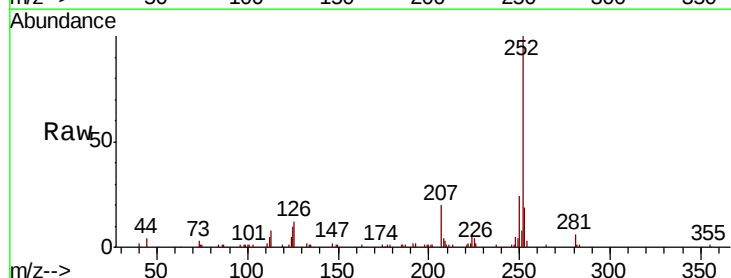
Tgt Ion:252 Resp: 101148

Ion Ratio Lower Upper

252 100

253 19.4 18.2 27.2

125 10.2 7.8 11.6

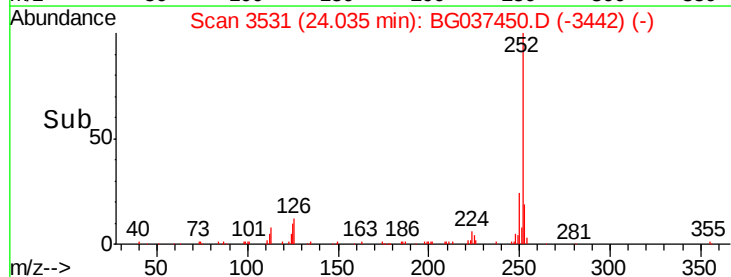
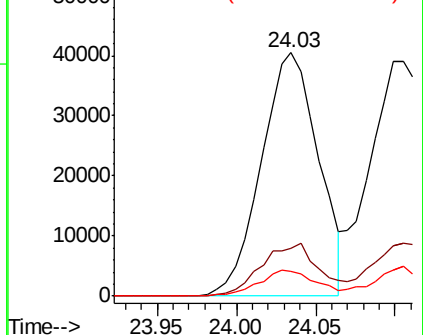


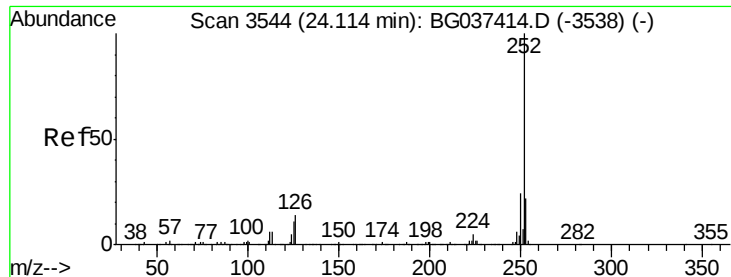
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 5.532 ng

RT: 24.10 min Scan# 3542

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

Instrument :

BNA_G

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

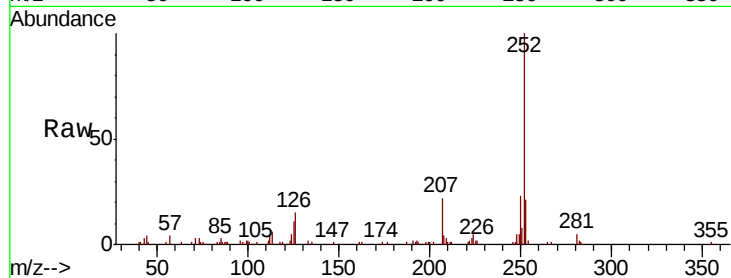
Tgt Ion:252 Resp: 106241

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

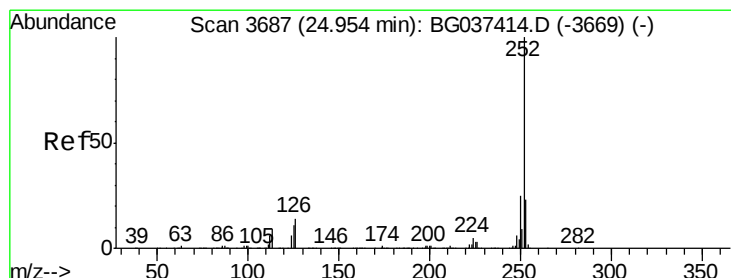
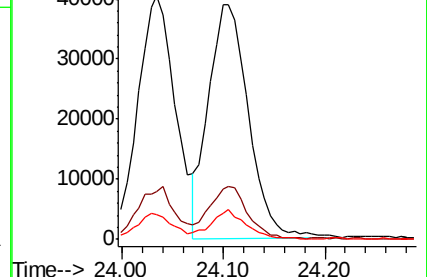
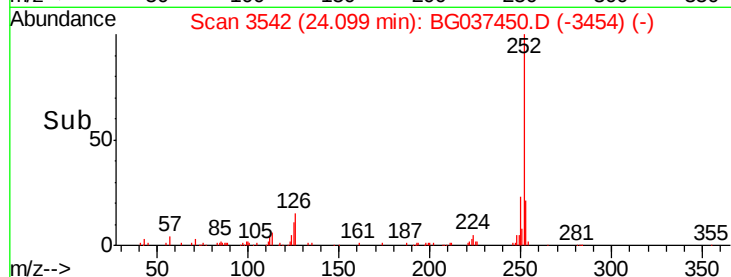
125 10.8 7.4 11.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 5.233 ng

RT: 24.95 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BG037450.D

Acq: 19 Oct 2018 12:42

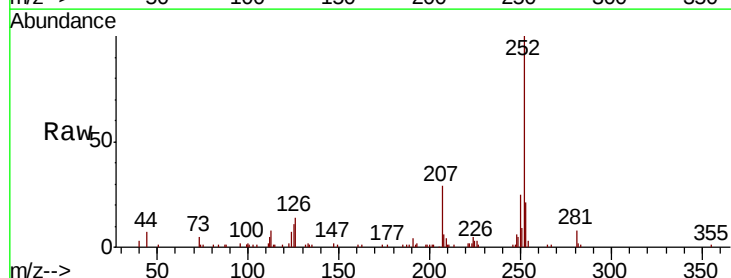
Tgt Ion:252 Resp: 97471

Ion Ratio Lower Upper

252 100

253 20.6 17.4 26.2

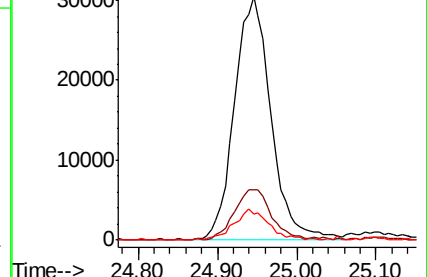
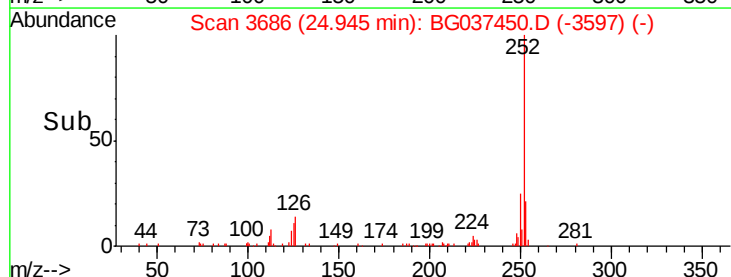
125 10.9 9.0 13.6

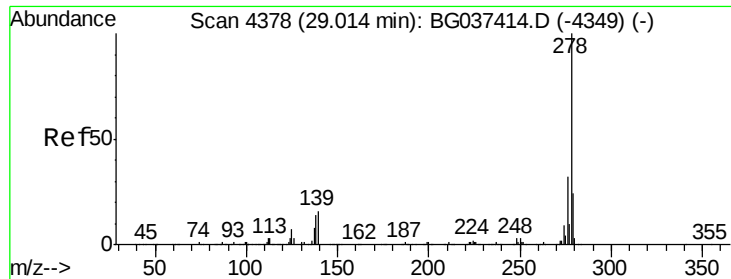


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

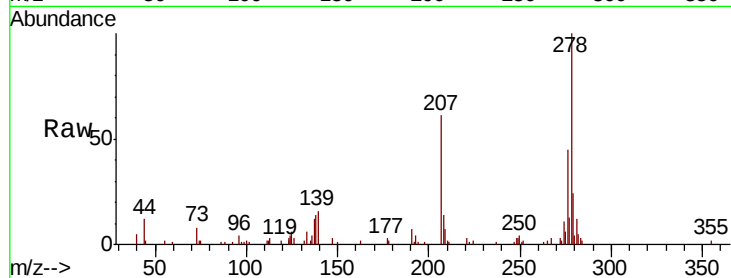




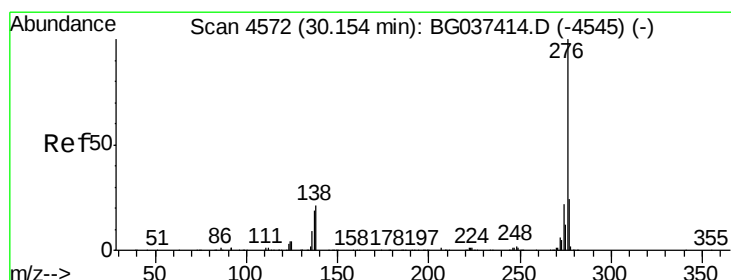
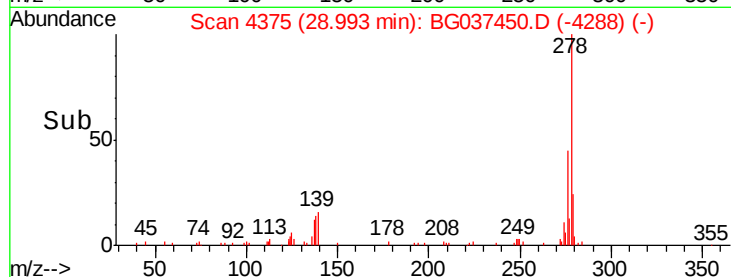
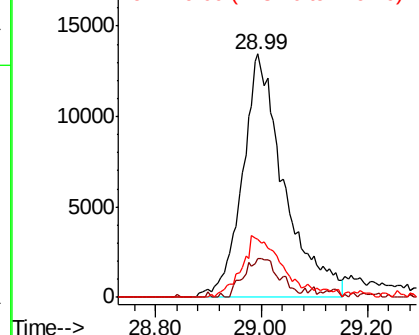
#91
Dibenzo(a,h)anthracene
Concen: 4.285 ng
RT: 28.99 min Scan# 4375
Delta R.T. -0.02 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.5	17.3
279	23.9	18.6	27.8

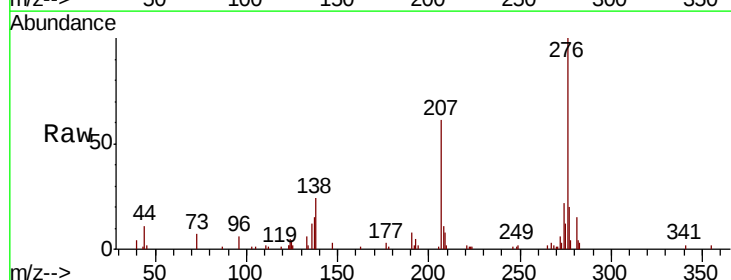


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 4.557 ng
RT: 30.13 min Scan# 4569
Delta R.T. -0.02 min
Lab File: BG037450.D
Acq: 19 Oct 2018 12:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.1	18.9	28.3
138	24.0	17.2	25.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

