

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037452.D
 Acq On : 19 Oct 2018 14:00
 Operator : JU/SJ
 Sample : J5164-02
 Misc : LOQ 20PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Quant Time: Oct 19 23:29:29 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	54001	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	248551	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	165730	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	396729	20.00	ng	0.00
76) Chrysene-d12	21.77	240	362661	20.00	ng	0.00
87) Perylene-d12	25.11	264	373007	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	463777	143.58	ng	0.00
7) Phenol-d6	7.25	99	671421	137.47	ng	0.00
23) Nitrobenzene-d5	9.29	82	365666	82.41	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	252191	139.52	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	884420	80.47	ng	0.00
79) Terphenyl-d14	20.09	244	1322622	77.93	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.53	88	27189	16.599 ng	99
3) Pyridine	3.94	79	78272	18.959 ng	90
4) n-Nitrosodimethylamine	3.86	42	32960	22.414 ng	98
6) Aniline	7.43	93	100762	16.911 ng	95
8) 2-Chlorophenol	7.67	128	78100	20.669 ng	96
9) Benzaldehyde	7.25	77	54283	17.767 ng	91
10) Phenol	7.28	94	108378	21.031 ng	97
11) bis(2-Chloroethyl)ether	7.52	93	75594	19.314 ng	94
12) 1,3-Dichlorobenzene	7.99	146	82626	19.642 ng	98
13) 1,4-Dichlorobenzene	8.14	146	82969	19.282 ng	99
14) 1,2-Dichlorobenzene	8.46	146	79779	19.274 ng	97
15) Benzyl Alcohol	8.35	79	72078	19.972 ng	98
16) 2,2'-oxybis(1-Chloropropan	8.64	45	140710	20.092 ng	96
17) 2-Methylphenol	8.54	107	71821	21.081 ng	97
18) Hexachloroethane	9.19	117	28626	19.514 ng	88
19) n-Nitroso-di-n-propylamine	8.91	70	64606	19.209 ng	92
20) 3+4-Methylphenols	8.86	107	99406	20.408 ng	97
22) Acetophenone	8.93	105	123529	19.817 ng	# 99
24) Nitrobenzene	9.32	77	93298	20.241 ng	99
25) Isophorone	9.84	82	184189	22.720 ng	99
26) 2-Nitrophenol	10.04	139	40288	19.402 ng	98
27) 2,4-Dimethylphenol	10.07	122	85343	23.019 ng	99
28) bis(2-Chloroethoxy)methane	10.33	93	112427	21.167 ng	98
29) 2,4-Dichlorophenol	10.56	162	83979	20.344 ng	97
30) 1,2,4-Trichlorobenzene	10.79	180	87739	19.545 ng	94
31) Naphthalene	10.98	128	262999	21.543 ng	99
32) Benzoic acid	10.16	122	33471	13.900 ng	95
33) 4-Chloroaniline	11.09	127	87094	15.183 ng	98
34) Hexachlorobutadiene	11.24	225	49869	18.744 ng	96
35) Caprolactam	11.86	113	30802	18.605 ng	94
36) 4-Chloro-3-methylphenol	12.18	107	94580	20.317 ng	100
37) 2-Methylnaphthalene	12.58	142	197655	22.210 ng	99
38) 1-Methylnaphthalene	12.79	142	190303	22.019 ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	100177	18.740 ng	98

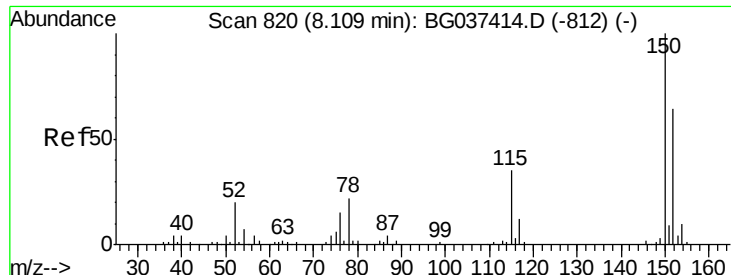
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
 Data File : BG037452.D
 Acq On : 19 Oct 2018 14:00
 Operator : JU/SJ
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	57673	22.586	ng	99
43) 2,4,6-Trichlorophenol	13.17	196	69334	19.414	ng	96
44) 2,4,5-Trichlorophenol	13.24	196	80690	20.752	ng	97
46) 1,1'-Biphenyl	13.58	154	257690	18.775	ng	99
47) 2-Chloronaphthalene	13.62	162	203707	19.618	ng	97
48) 2-Nitroaniline	13.83	65	61717	19.600	ng	98
49) Acenaphthylene	14.46	152	342197	21.908	ng	99
50) Dimethylphthalate	14.19	163	269867	21.049	ng	99
51) 2,6-Dinitrotoluene	14.32	165	57787	20.374	ng	95
52) Acenaphthene	14.80	154	194427	20.211	ng	99
53) 3-Nitroaniline	14.65	138	55376	17.587	ng	# 94
54) 2,4-Dinitrophenol	14.85	184	11394	20.724	ng	92
55) Dibenzofuran	15.14	168	325446	20.419	ng	99
56) 4-Nitrophenol	14.93	139	43863	18.820	ng	93
57) 2,4-Dinitrotoluene	15.10	165	79346	21.312	ng	96
58) Fluorene	15.79	166	262523	21.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.35	232	66999	20.124	ng	98
60) Diethylphthalate	15.54	149	272331	20.689	ng	99
61) 4-Chlorophenyl-phenylether	15.77	204	136081	19.561	ng	97
62) 4-Nitroaniline	15.81	138	64403	20.584	ng	93
63) Azobenzene	16.07	77	263065	20.946	ng	97
65) 4,6-Dinitro-2-methylphenol	15.86	198	28948	19.948	ng	97
66) n-Nitrosodiphenylamine	15.99	169	235019	19.694	ng	98
67) 4-Bromophenyl-phenylether	16.67	248	84027	19.287	ng	99
68) Hexachlorobenzene	16.78	284	86729	19.207	ng	97
69) Atrazine	16.93	200	88004	20.397	ng	98
70) Pentachlorophenol	17.13	266	40850	13.506	ng	98
71) Phenanthrene	17.53	178	438945	21.770	ng	97
72) Anthracene	17.62	178	444639	22.471	ng	99
73) Carbazole	17.89	167	400536	20.236	ng	99
74) Di-n-butylphthalate	18.43	149	475098	21.578	ng	98
75) Fluoranthene	19.53	202	511616	22.372	ng	99
77) Benzidine	19.72	184	89606	7.266	ng	97
78) Pyrene	19.89	202	516039	21.767	ng	98
80) Butylbenzylphthalate	20.77	149	199717	20.584	ng	97
81) Benzo(a)anthracene	21.75	228	468609	21.845	ng	100
82) 3,3'-Dichlorobenzidine	21.67	252	121690	14.636	ng	97
83) Chrysene	21.82	228	439649	21.315	ng	98
84) Bis(2-ethylhexyl)phthalate	21.63	149	278579	20.483	ng	97
85) Di-n-octyl phthalate	22.88	149	461855	20.825	ng	98
86) Indeno(1,2,3-cd)pyrene	28.92	276	439875	19.883	ng	99
88) Benzo(b)fluoranthene	24.03	252	437362	21.387	ng	99
89) Benzo(k)fluoranthene	24.11	252	445039	22.213	ng	97
90) Benzo(a)pyrene	24.95	252	429297	22.092	ng	99
91) Dibenzo(a,h)anthracene	29.00	278	367993	20.530	ng	97
92) Benzo(g,h,i)perylene	30.13	276	367101	20.244	ng	100

(#) = 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: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

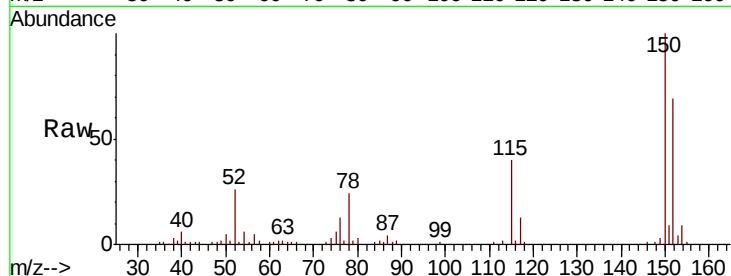
Tgt Ion:152 Resp: 54001

Ion Ratio Lower Upper

152 100

150 146.0 126.0 189.0

115 58.5 45.5 68.3

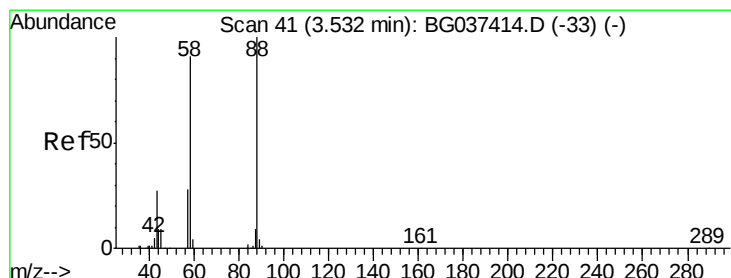
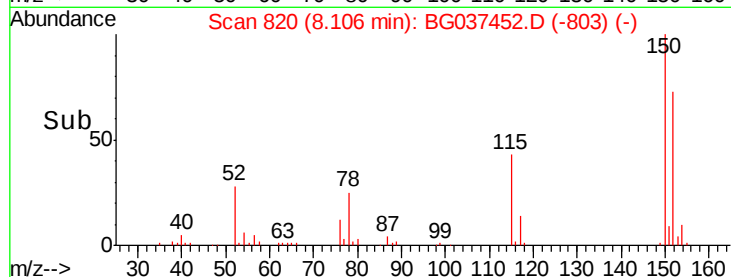
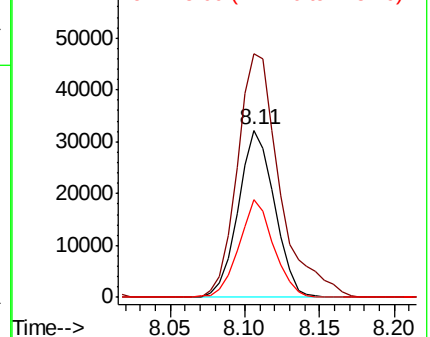


Abundance

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: 16.599 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

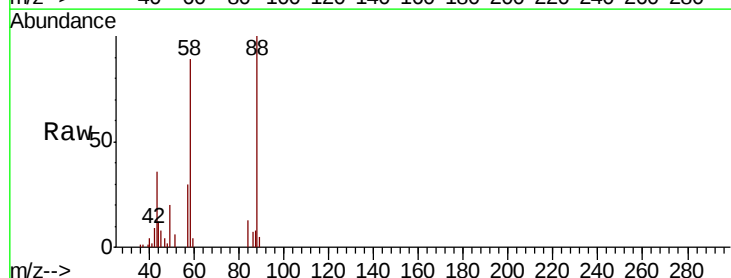
Tgt Ion: 88 Resp: 27189

Ion Ratio Lower Upper

88 100

58 92.3 74.4 111.6

43 33.2 25.8 38.8

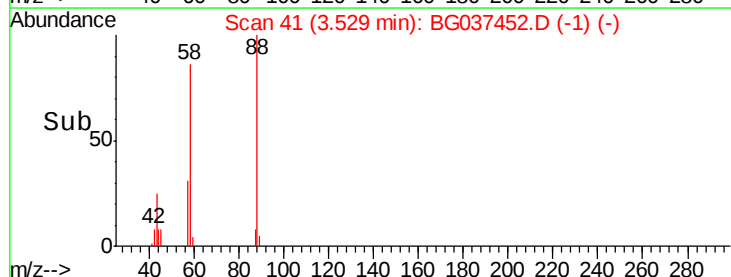
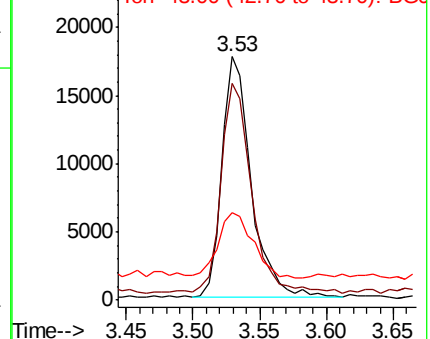


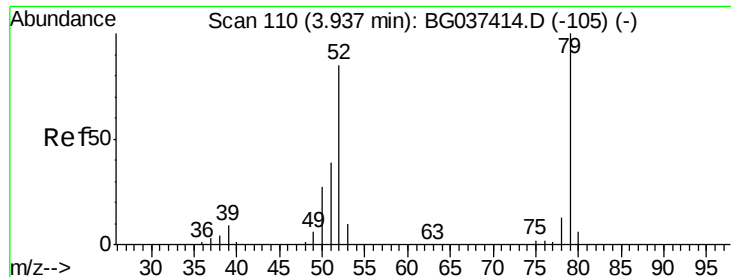
Abundance

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: 18.959 ng

RT: 3.94 min Scan# 111

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

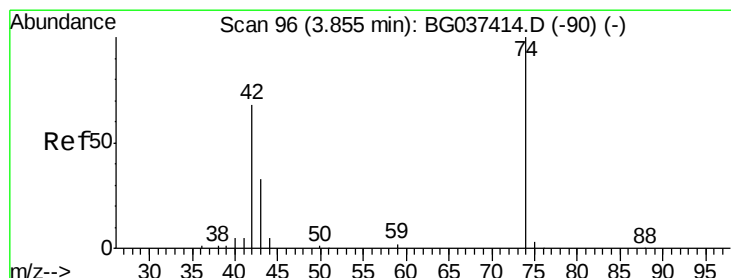
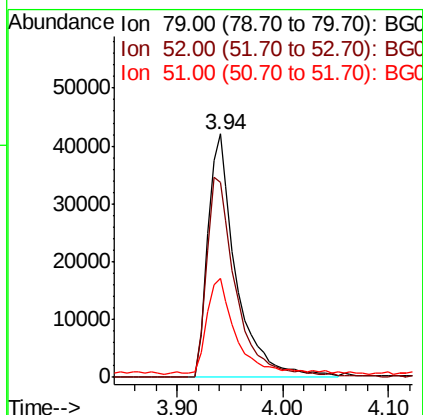
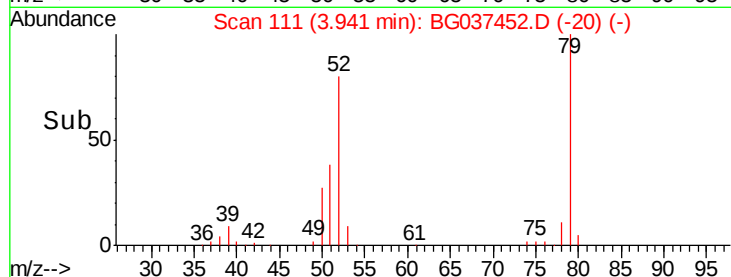
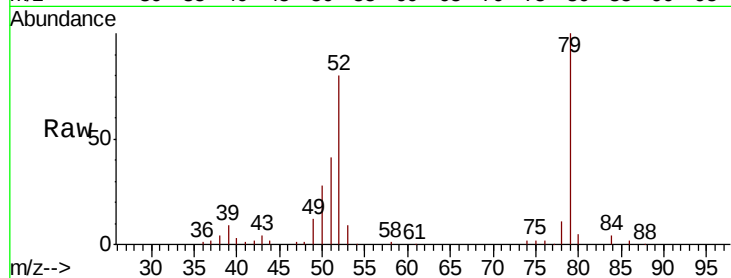
Tgt Ion: 79 Resp: 78272

Ion Ratio Lower Upper

79 100

52 80.1 74.2 111.2

51 40.8 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 22.414 ng

RT: 3.86 min Scan# 97

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

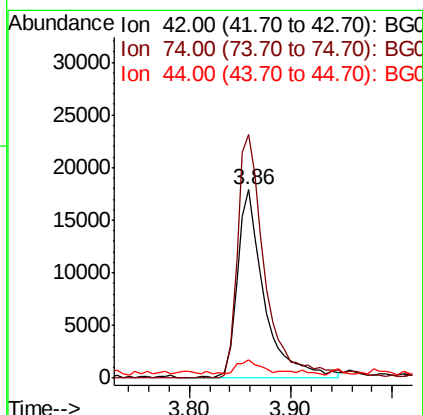
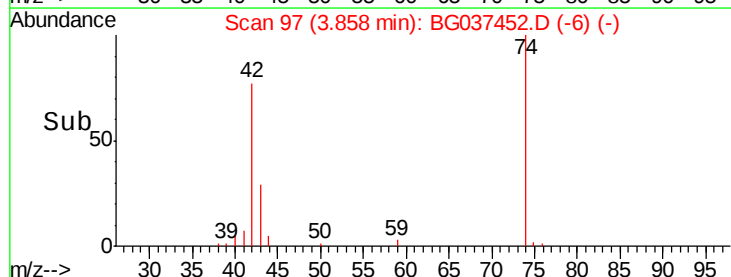
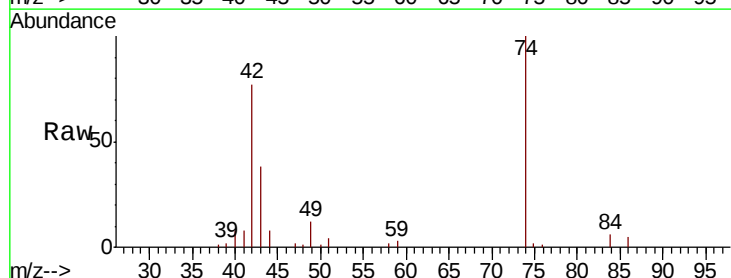
Tgt Ion: 42 Resp: 32960

Ion Ratio Lower Upper

42 100

74 129.3 102.0 153.0

44 9.7 9.6 14.4





#5

2-Fluorophenol

Concen: 143.584 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

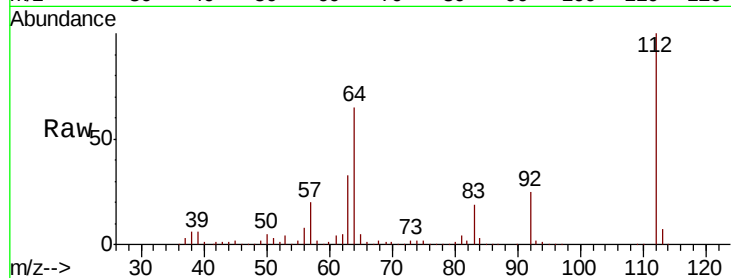
Tgt Ion: 112 Resp: 463777

Ion Ratio Lower Upper

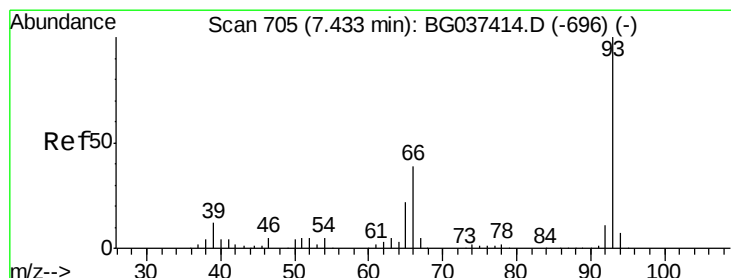
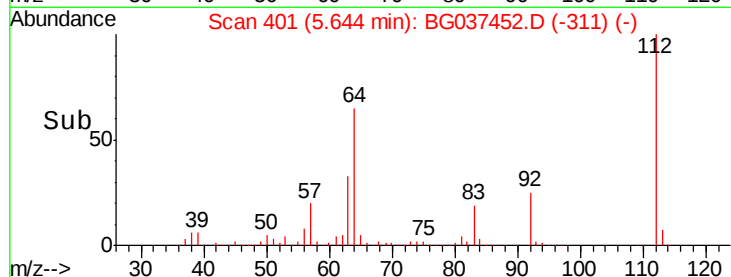
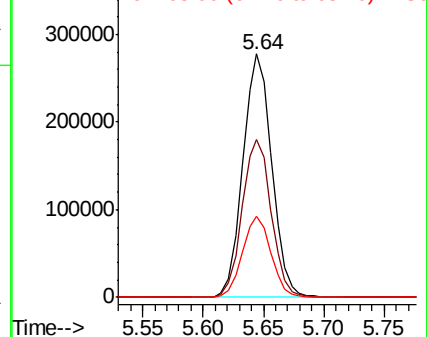
112 100

64 65.0 53.1 79.7

63 33.0 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: 16.911 ng

RT: 7.43 min Scan# 705

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

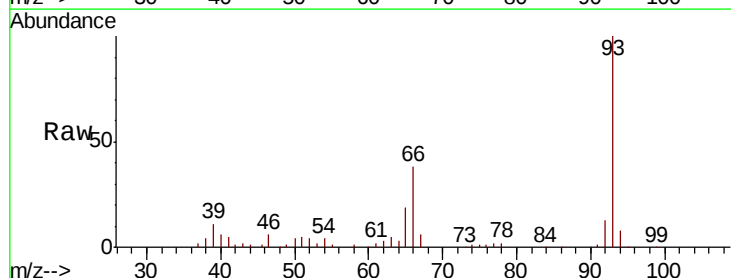
Tgt Ion: 93 Resp: 100762

Ion Ratio Lower Upper

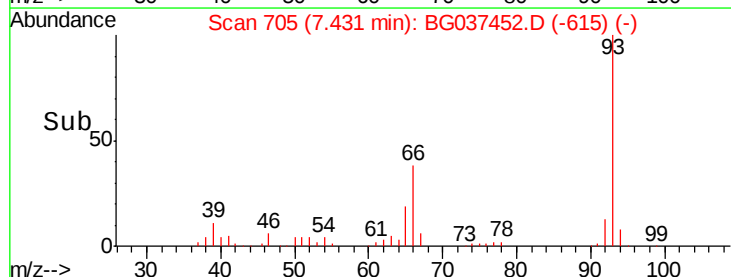
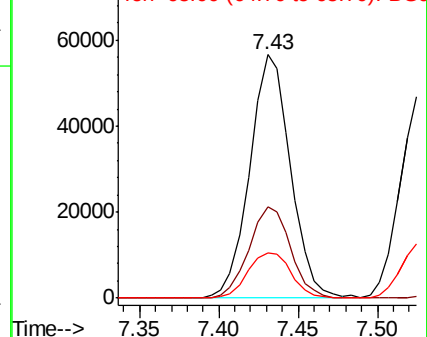
93 100

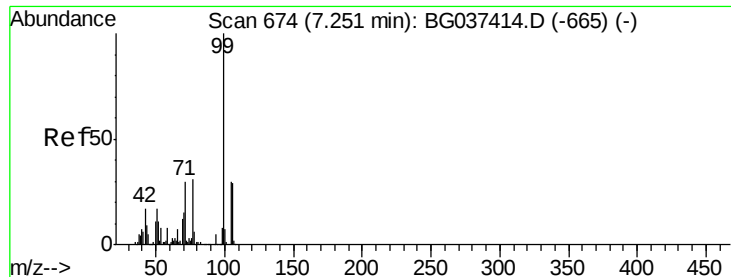
66 37.7 32.8 49.2

65 18.6 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: 137.469 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

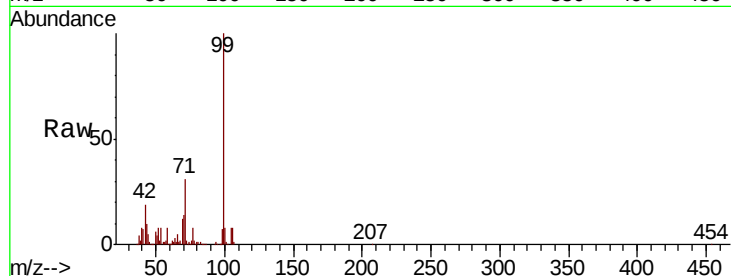
Tgt Ion: 99 Resp: 671421

Ion Ratio Lower Upper

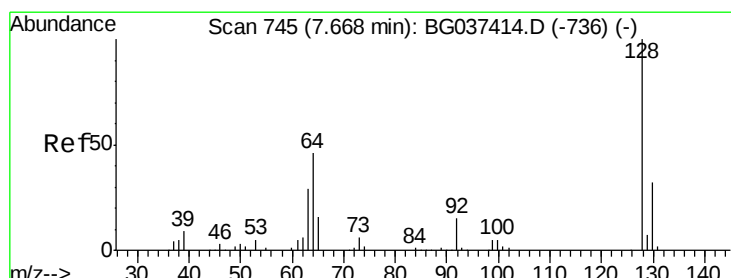
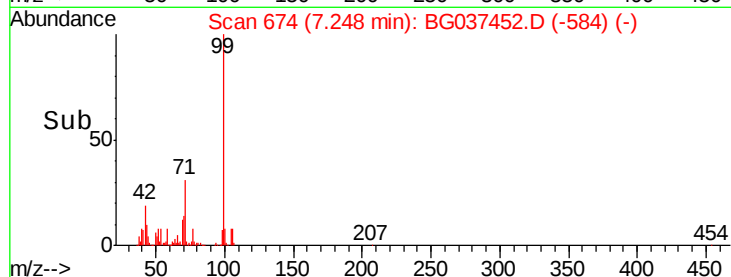
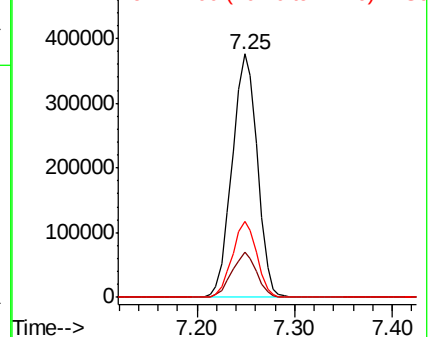
99 100

42 18.7 15.0 22.4

71 31.0 25.5 38.3



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



#8

2-Chlorophenol

Concen: 20.669 ng

RT: 7.67 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

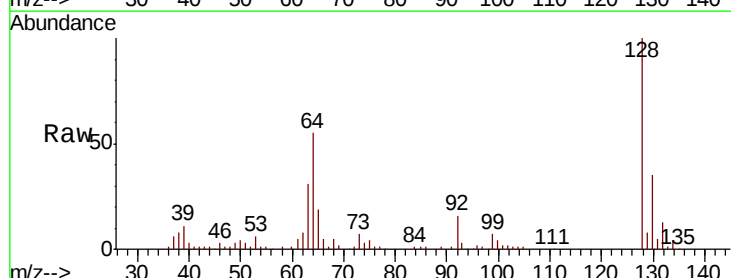
Tgt Ion: 128 Resp: 78100

Ion Ratio Lower Upper

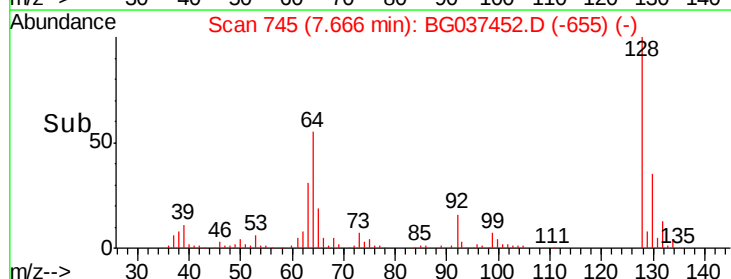
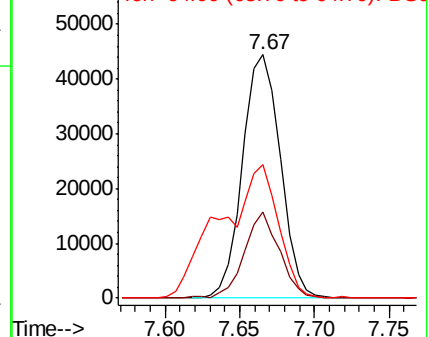
128 100

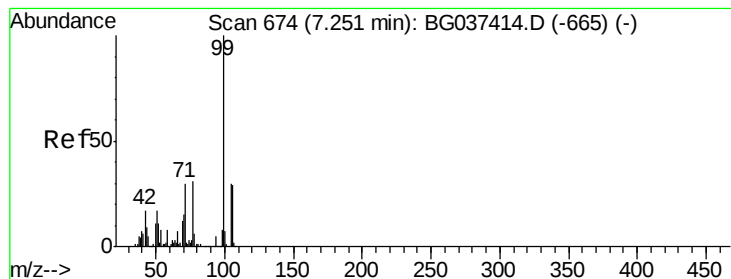
130 35.4 12.0 52.0

64 54.9 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: 17.767 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

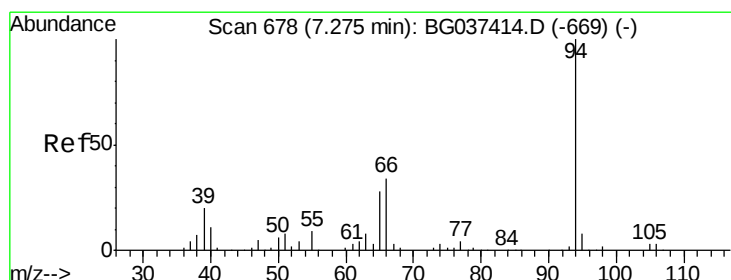
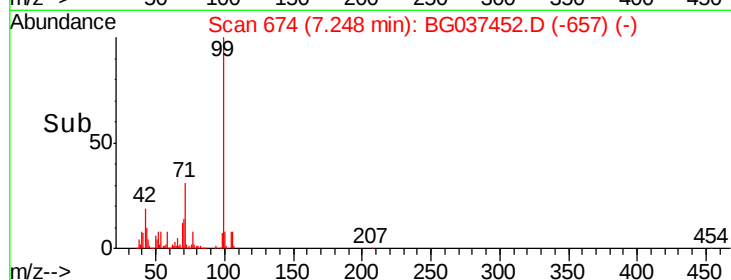
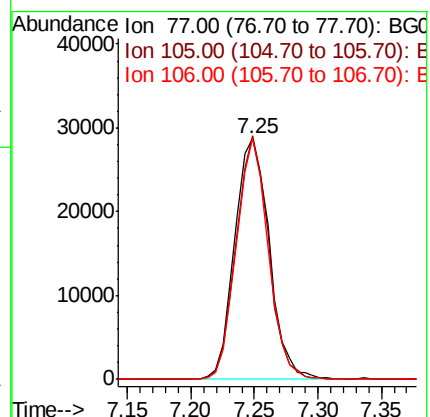
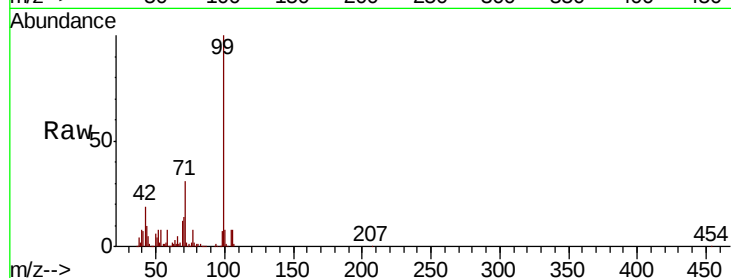
Tgt Ion: 77 Resp: 54283

Ion Ratio Lower Upper

77 100

105 101.1 72.6 112.6

106 100.0 71.3 111.3



#10

Phenol

Concen: 21.031 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

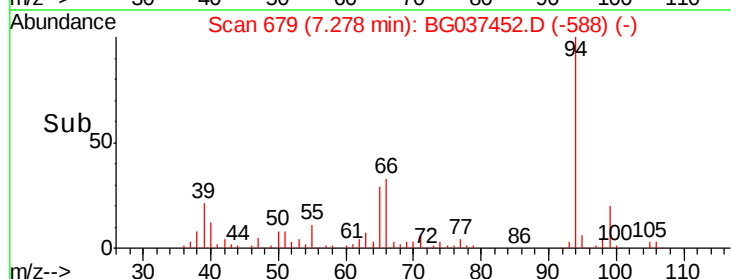
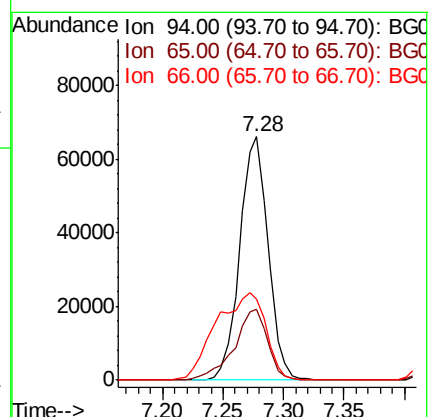
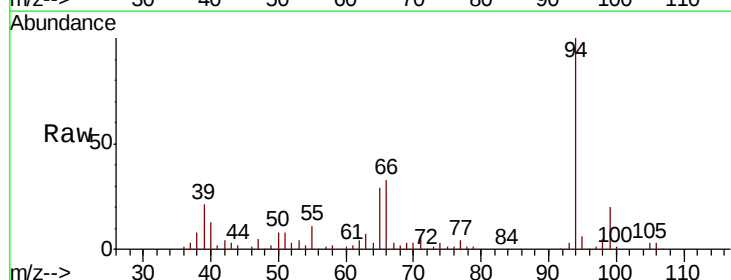
Tgt Ion: 94 Resp: 108378

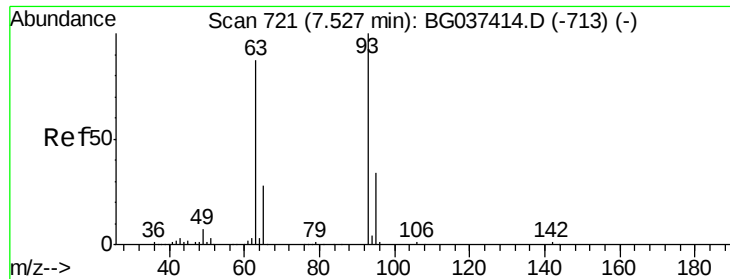
Ion Ratio Lower Upper

94 100

65 29.0 9.7 49.7

66 33.1 15.9 55.9

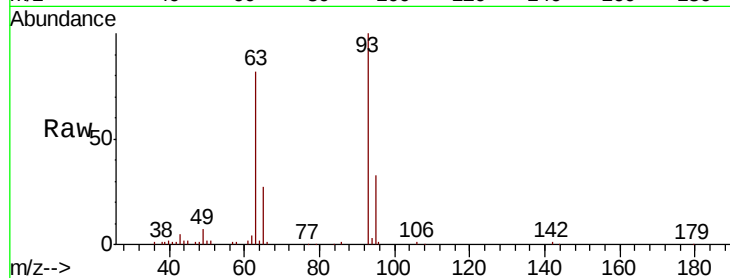




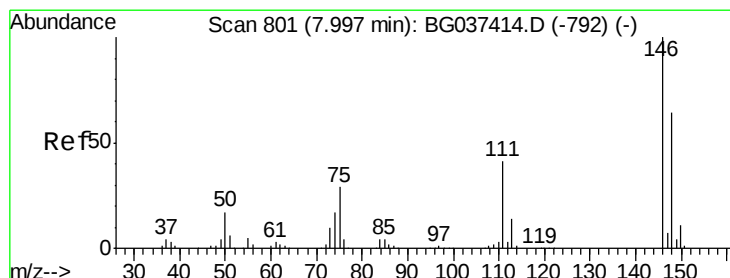
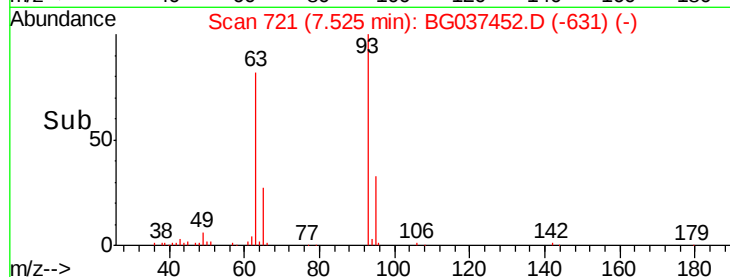
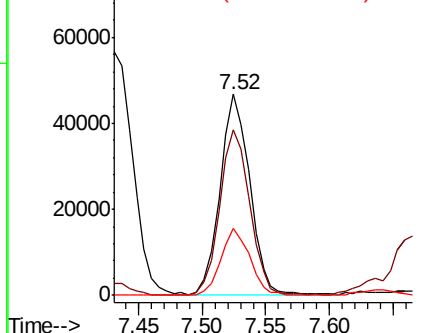
#11
 bis(2-Chloroethyl)ether
 Concen: 19.314 ng
 RT: 7.52 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion: 93 Resp: 75594
 Ion Ratio Lower Upper
 93 100
 63 82.3 69.5 109.5
 95 33.1 12.6 52.6

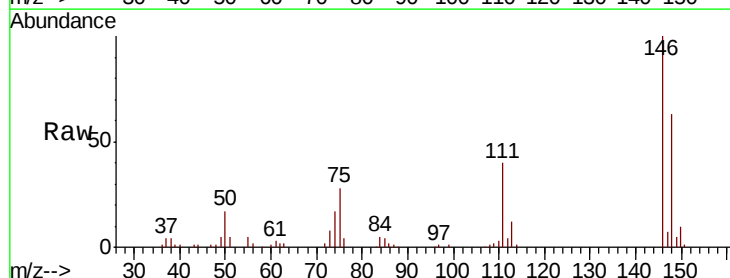


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

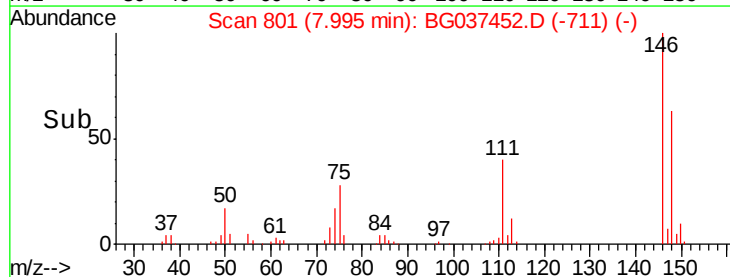
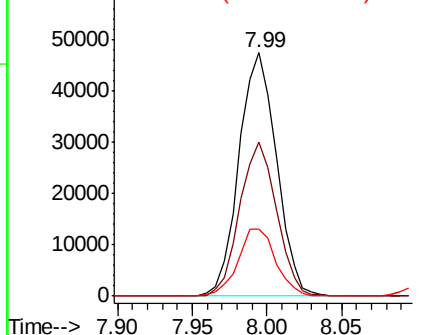


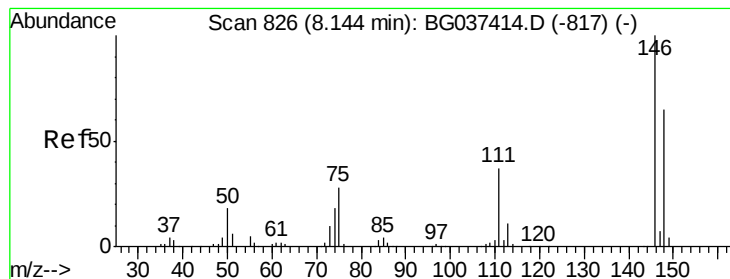
#12
 1,3-Dichlorobenzene
 Concen: 19.642 ng
 RT: 7.99 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion: 146 Resp: 82626
 Ion Ratio Lower Upper
 146 100
 148 63.2 49.8 74.8
 75 27.7 23.2 34.8



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





#13

1,4-Dichlorobenzene

Concen: 19.282 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

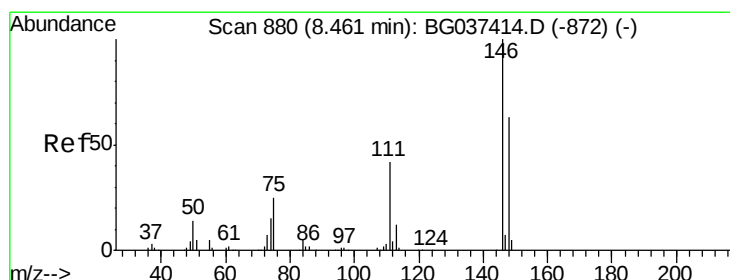
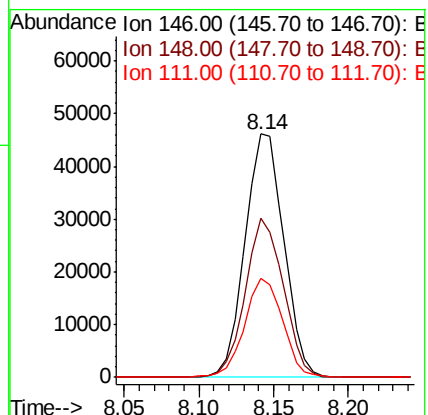
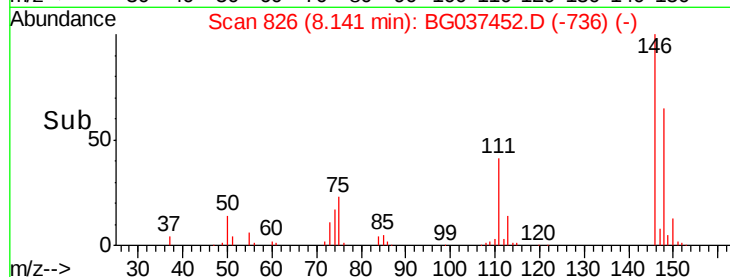
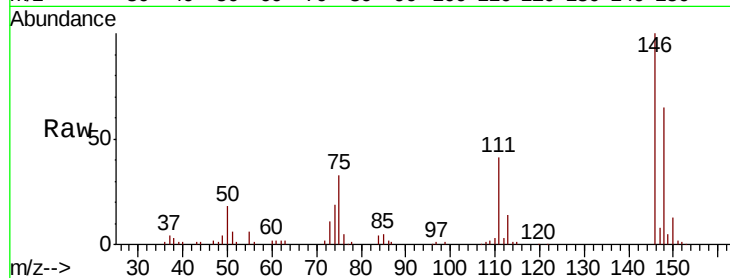
Tgt Ion:146 Resp: 82969

Ion Ratio Lower Upper

146 100

148 65.2 51.0 76.6

111 40.8 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 19.274 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

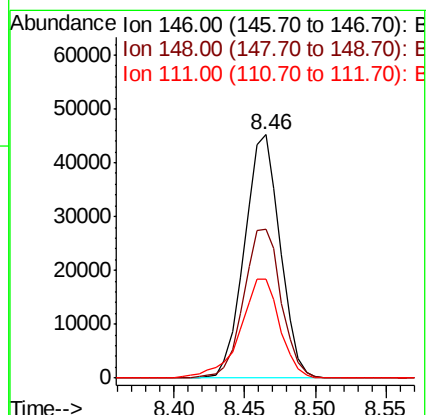
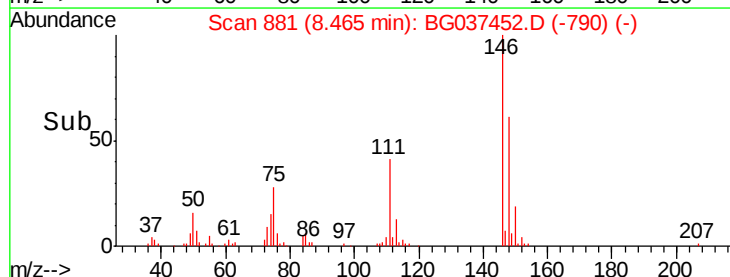
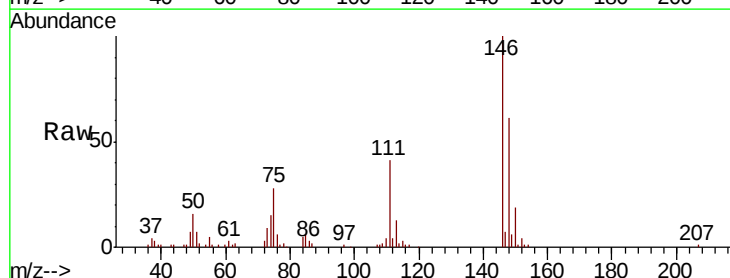
Tgt Ion:146 Resp: 79779

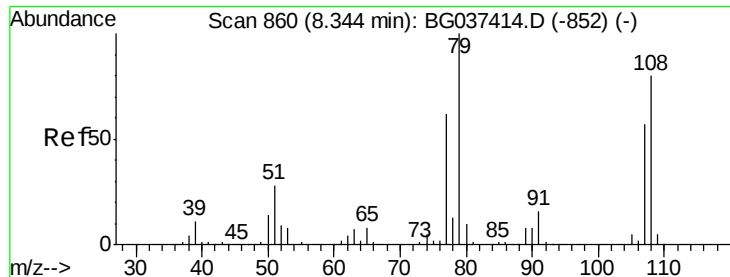
Ion Ratio Lower Upper

146 100

148 61.2 50.4 75.6

111 40.6 34.6 51.8





#15

Benzyl Alcohol

Concen: 19.972 ng

RT: 8.35 min Scan# 861

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

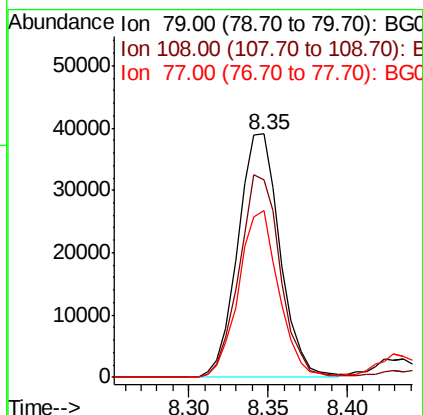
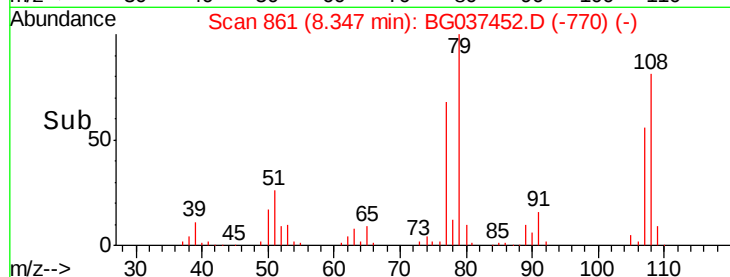
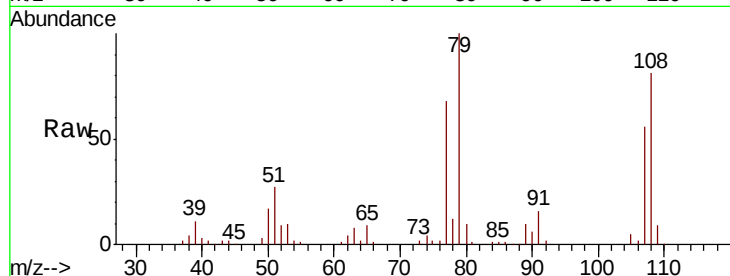
Tgt Ion: 79 Resp: 72078

Ion Ratio Lower Upper

79 100

108 81.0 65.8 98.8

77 68.3 52.9 79.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.092 ng

RT: 8.64 min Scan# 910

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

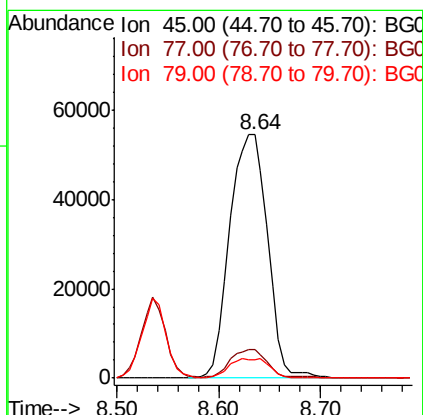
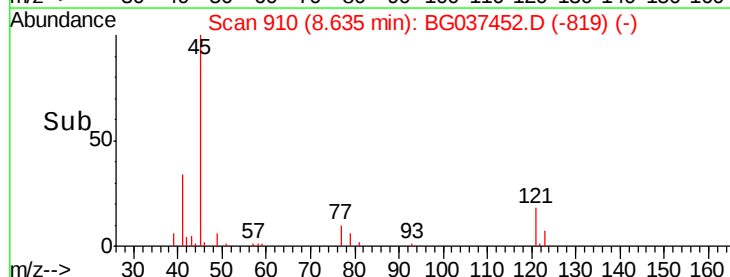
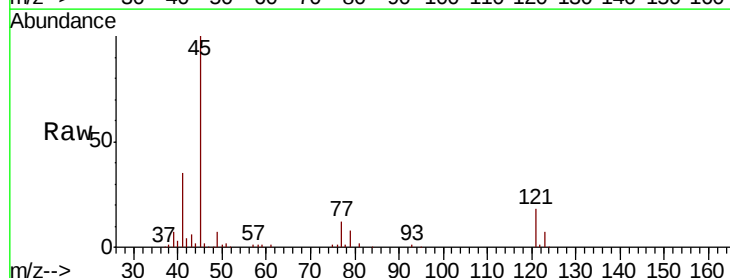
Tgt Ion: 45 Resp: 140710

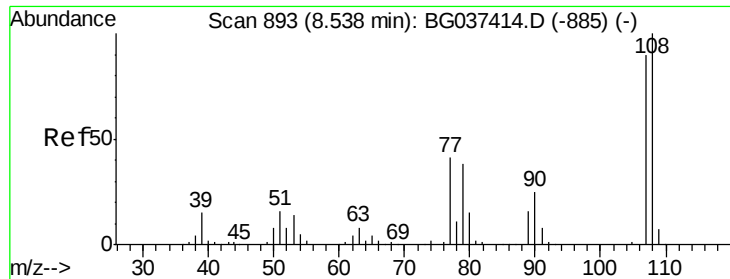
Ion Ratio Lower Upper

45 100

77 11.9 0.0 30.0

79 7.8 0.0 29.0

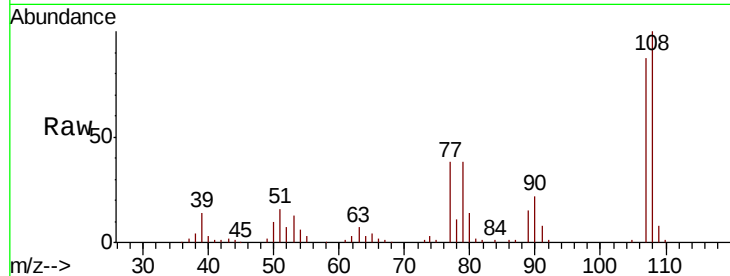




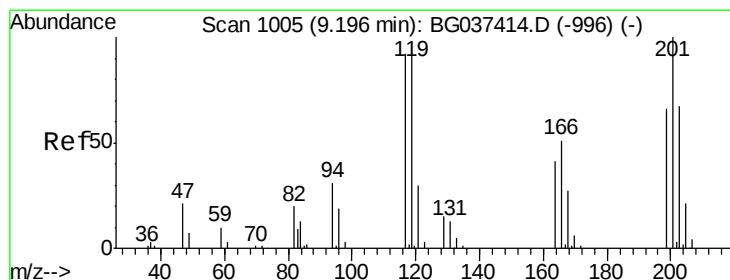
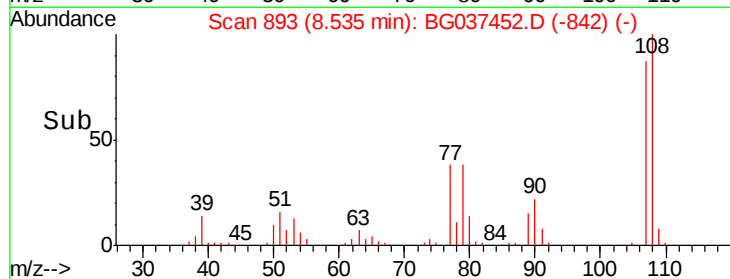
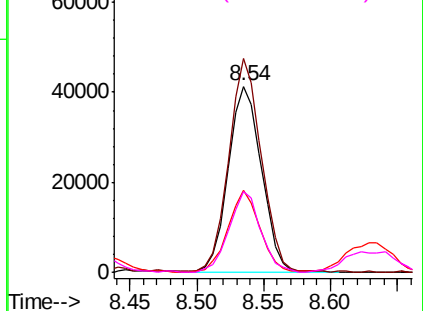
#17
2-Methylphenol
Concen: 21.081 ng
RT: 8.54 min Scan# 893
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:107 Resp: 71821
Ion Ratio Lower Upper
107 100
108 115.0 87.9 131.9
77 44.3 35.1 52.7
79 43.2 34.5 51.7

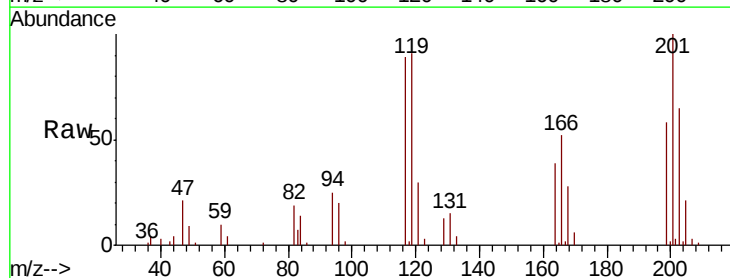


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

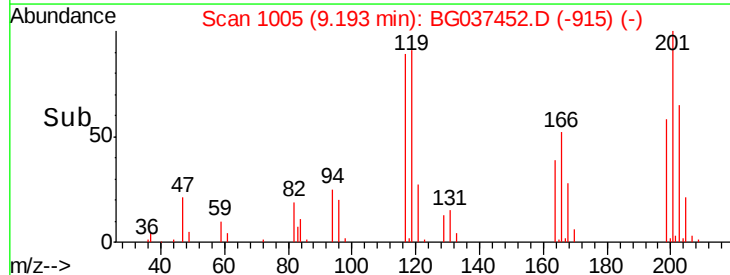
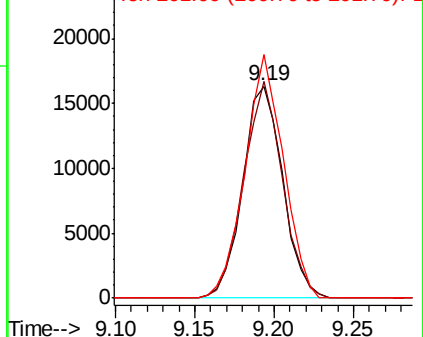


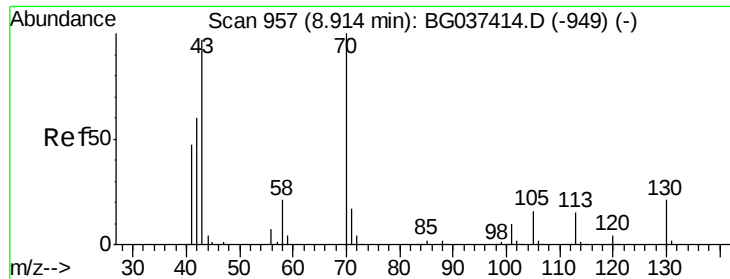
#18
Hexachloroethane
Concen: 19.514 ng
RT: 9.19 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:117 Resp: 28626
Ion Ratio Lower Upper
117 100
119 102.1 74.6 111.8
201 115.0 80.8 121.2



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

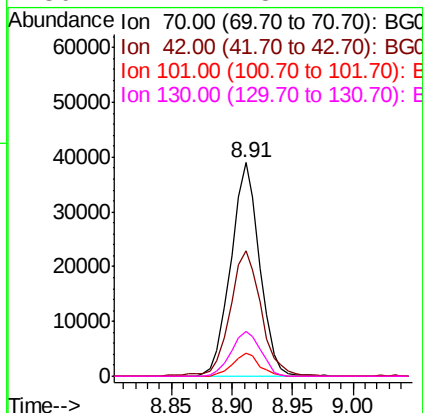
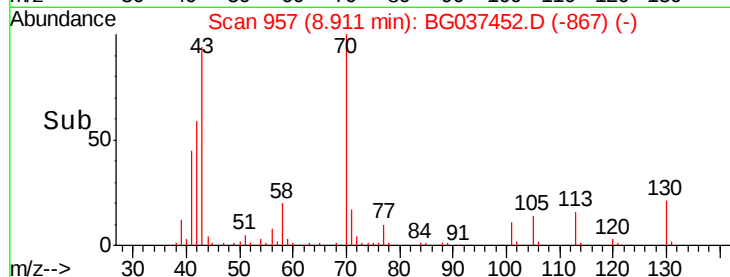
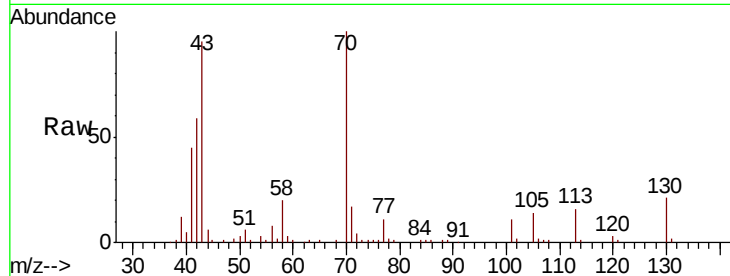




#19
n-Nitroso-di-n-propylamine
Concen: 19.209 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

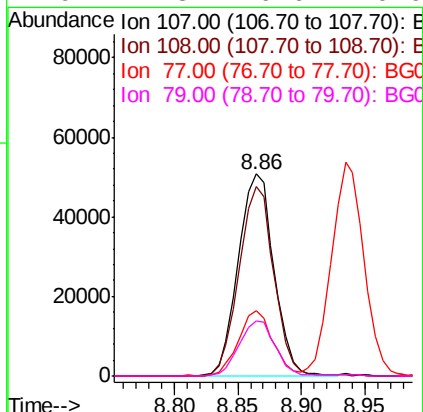
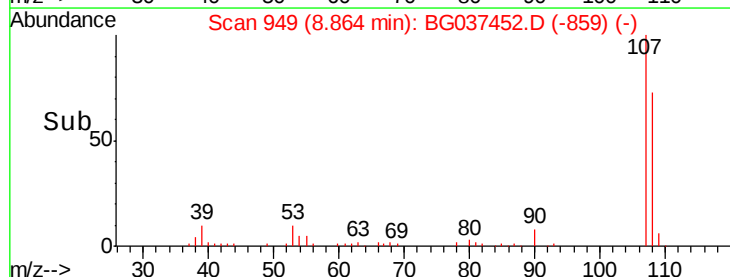
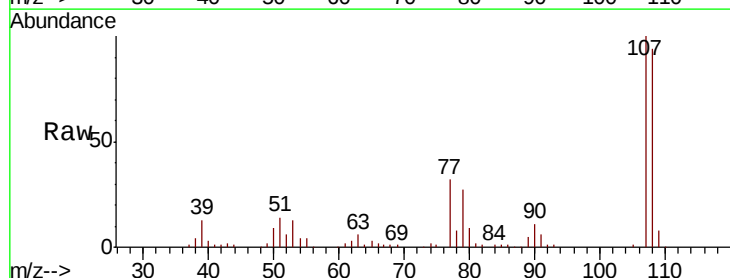
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

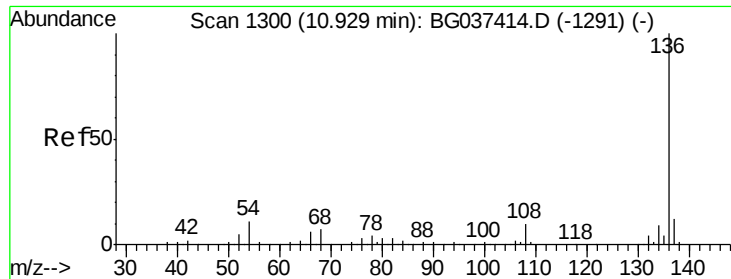
Tgt Ion:	70	Resp:	64606
Ion	Ratio	Lower	Upper
70	100		
42	58.6	53.9	80.9
101	10.8	8.2	12.2
130	21.2	18.2	27.4



#20
3+4-Methylphenols
Concen: 20.408 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:	107	Resp:	99406
Ion	Ratio	Lower	Upper
107	100		
108	93.6	69.9	109.9
77	32.1	11.2	51.2
79	27.3	6.6	46.6

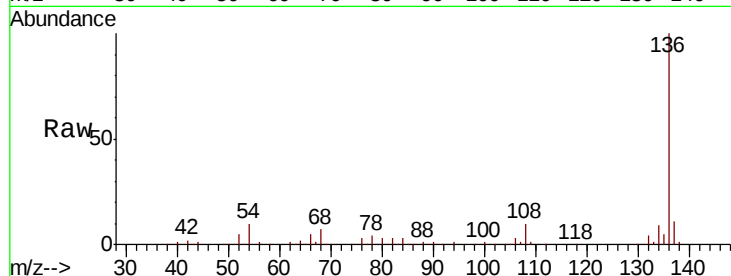




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:	136	Resp:	248551
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.6	14.4
54	9.8	7.9	11.9
68	6.7	4.8	7.2



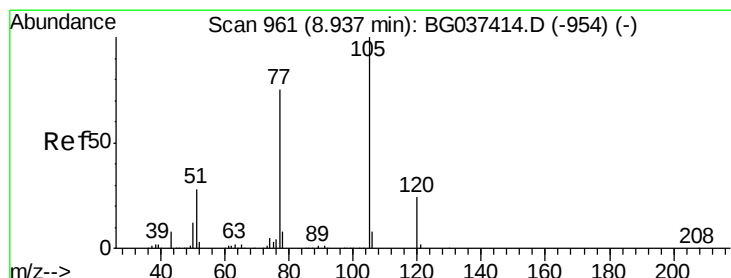
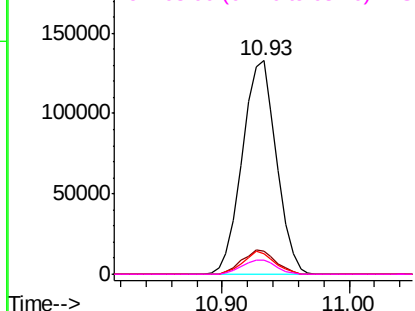
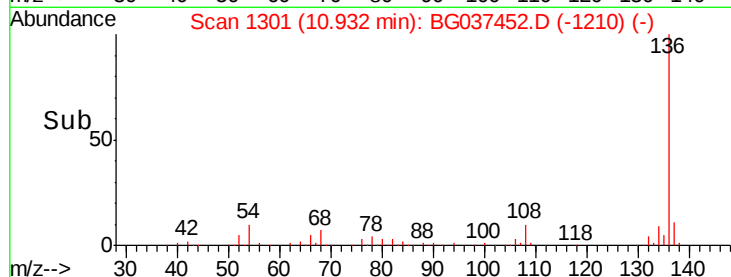
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

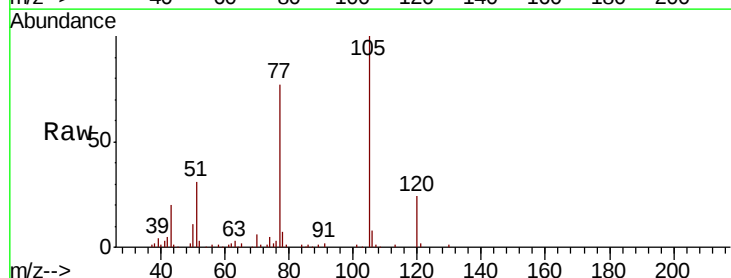
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 19.817 ng
RT: 8.93 min Scan# 961
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:	105	Resp:	123529
Ion	Ratio	Lower	Upper
105	100		
71	0.9	1.2	1.8#
51	31.0	25.0	37.6
120	24.4	18.6	28.0



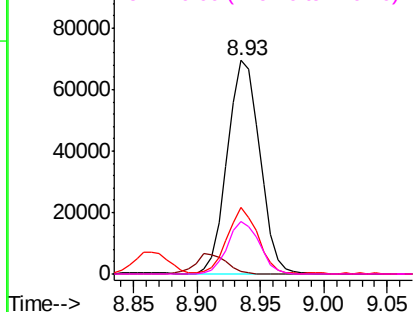
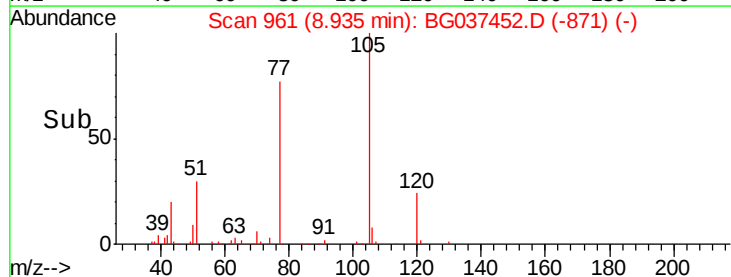
Abundance

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

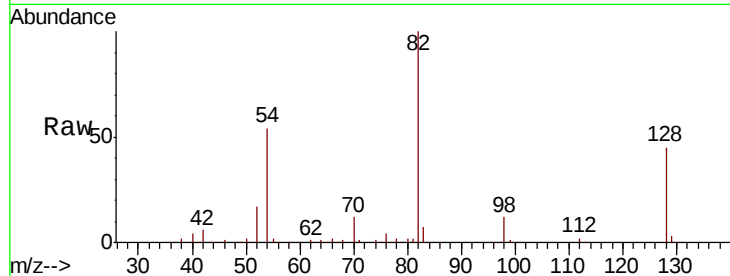




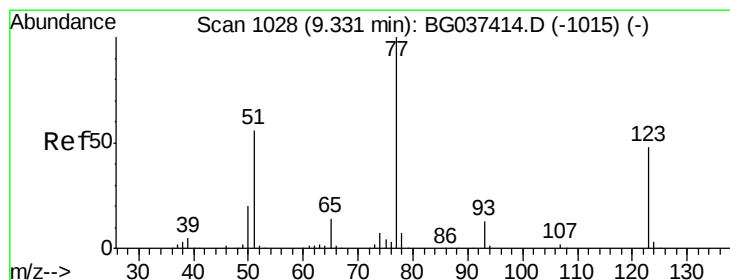
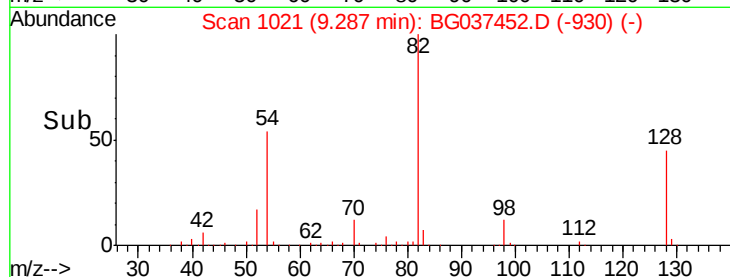
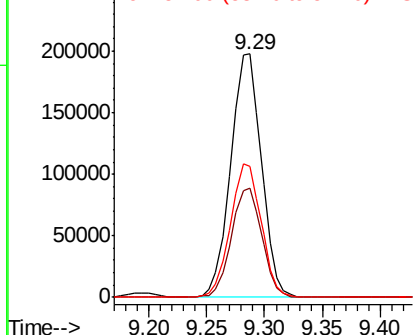
#23
 Nitrobenzene-d5
 Concen: 82.415 ng
 RT: 9.29 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion: 82 Resp: 365666
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.6 51.8
 54 53.8 45.3 67.9

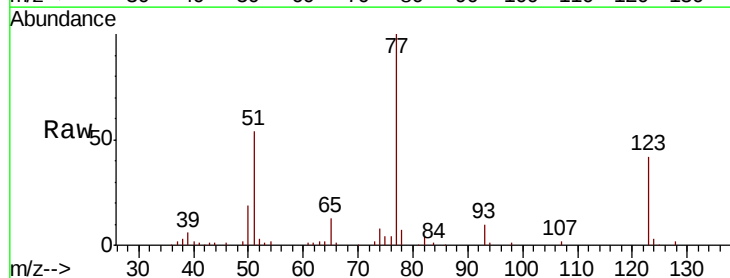


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

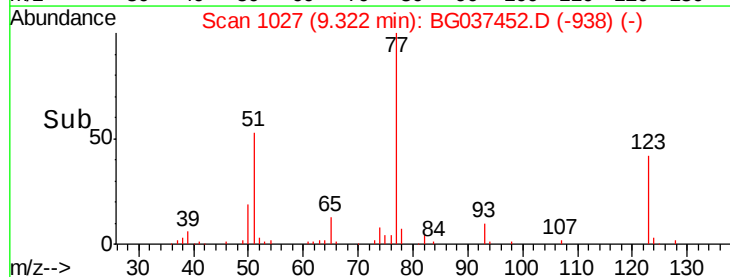
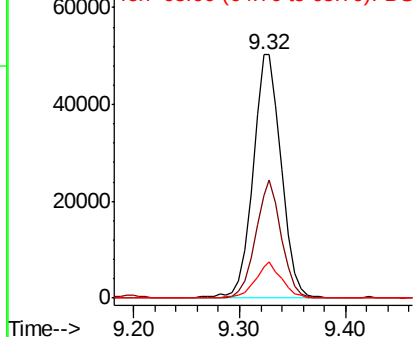


#24
 Nitrobenzene
 Concen: 20.241 ng
 RT: 9.32 min Scan# 1027
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion: 77 Resp: 93298
 Ion Ratio Lower Upper
 77 100
 123 42.2 33.6 50.4
 65 12.8 11.3 16.9



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

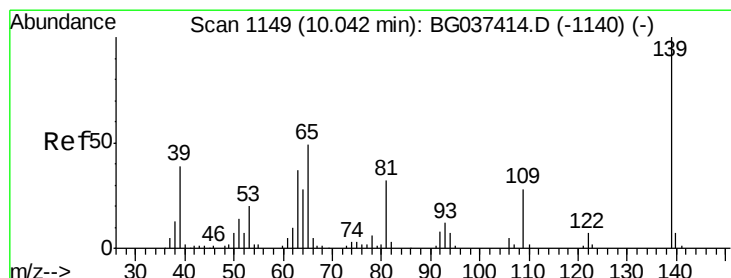
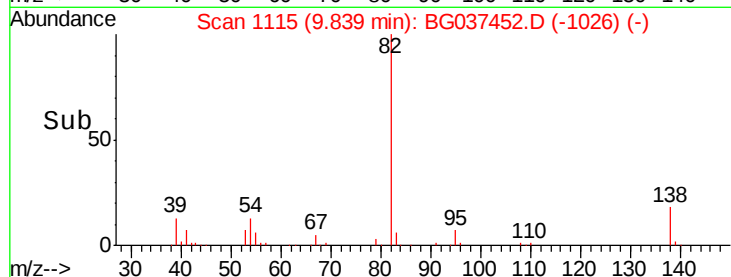
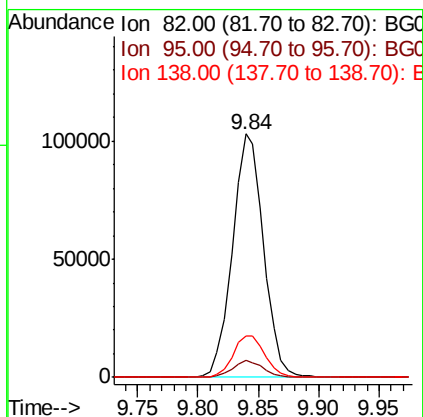
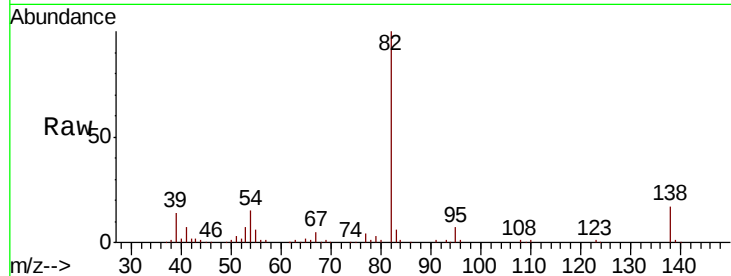




#25
Isophorone
Concen: 22.720 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

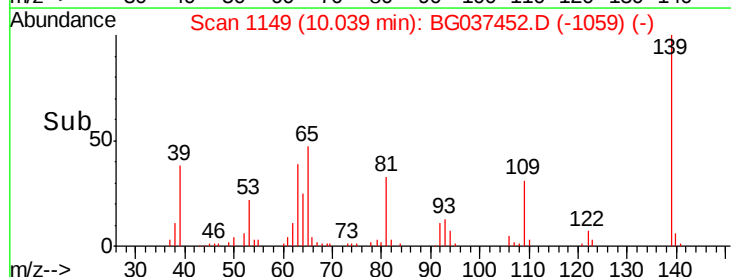
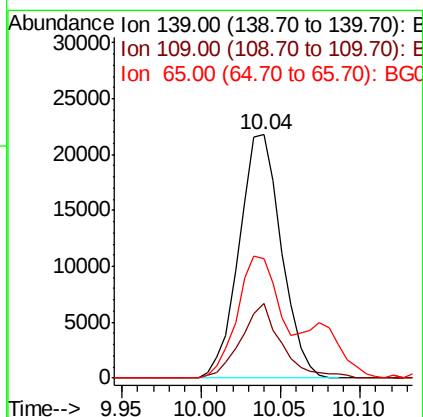
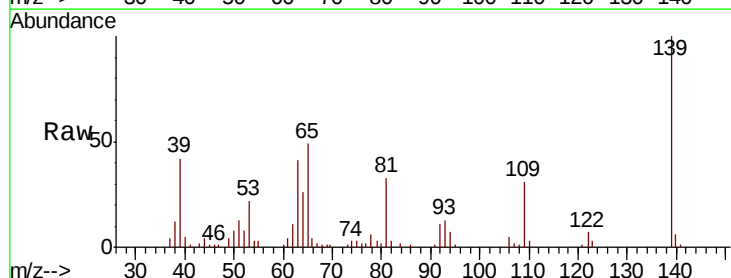
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion: 82 Resp: 184189
Ion Ratio Lower Upper
82 100
95 7.0 5.3 7.9
138 17.0 13.3 19.9



#26
2-Nitrophenol
Concen: 19.402 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion: 139 Resp: 40288
Ion Ratio Lower Upper
139 100
109 30.7 23.3 34.9
65 48.8 39.8 59.8

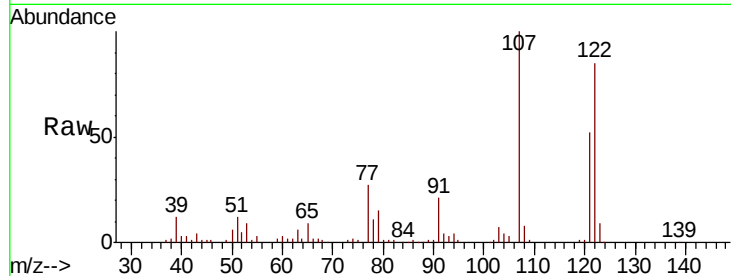




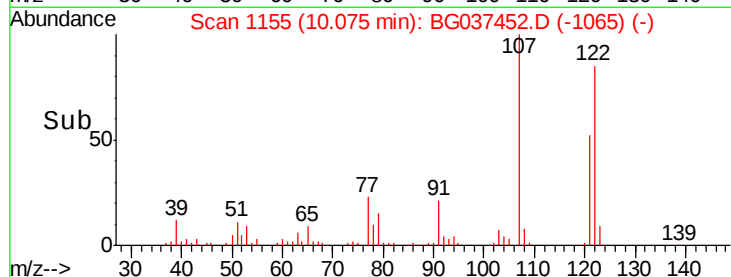
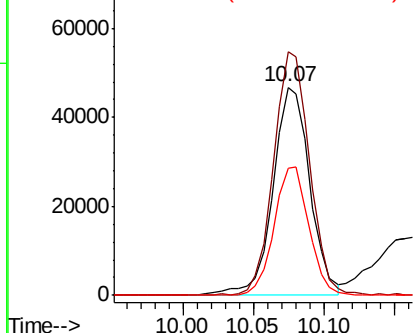
#27
2,4-Dimethylphenol
Concen: 23.019 ng
RT: 10.07 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion: 122 Resp: 85343
Ion Ratio Lower Upper
122 100
107 117.0 94.2 141.2
121 61.3 47.3 70.9

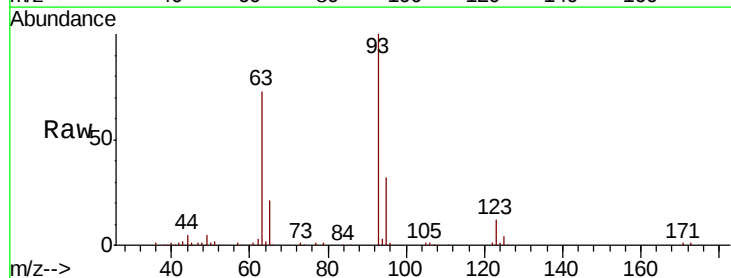


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

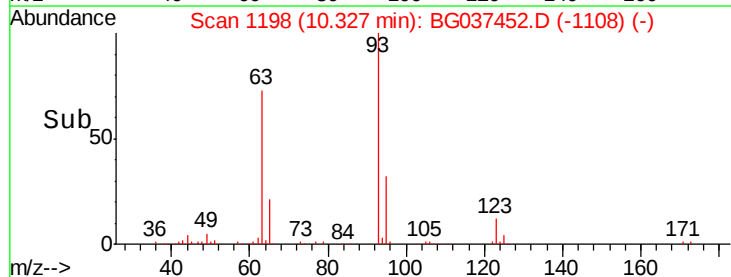
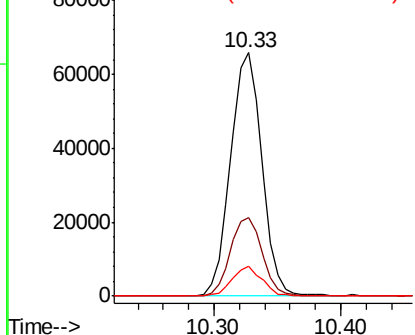


#28
bis(2-Chloroethoxy)methane
Concen: 21.167 ng
RT: 10.33 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion: 93 Resp: 112427
Ion Ratio Lower Upper
93 100
95 32.1 24.6 37.0
123 12.2 9.1 13.7



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





#29

2,4-Dichlorophenol

Concen: 20.344 ng

RT: 10.56 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

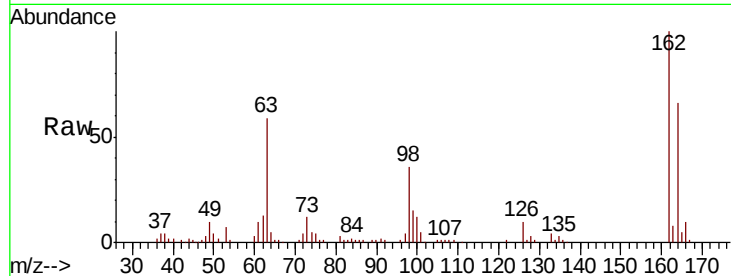
Tgt Ion:162 Resp: 83979

Ion Ratio Lower Upper

162 100

164 66.3 43.2 83.2

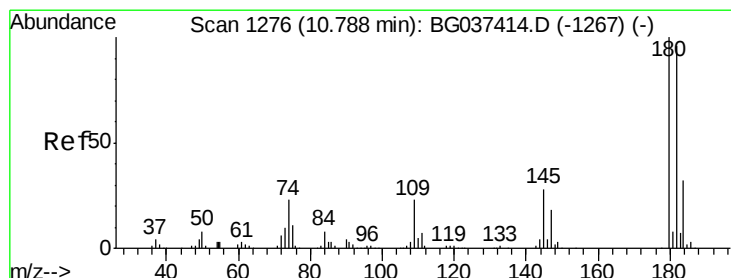
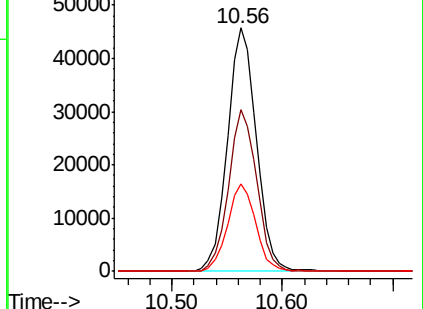
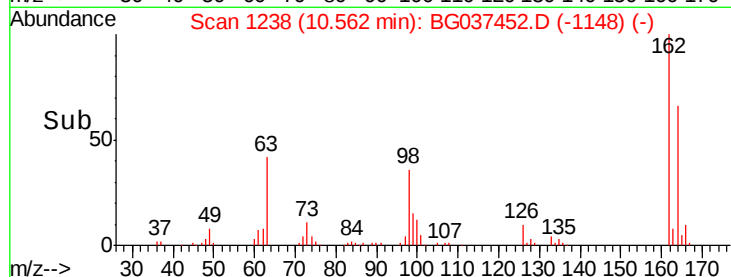
98 35.8 16.0 56.0



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: 19.545 ng

RT: 10.79 min Scan# 1276

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

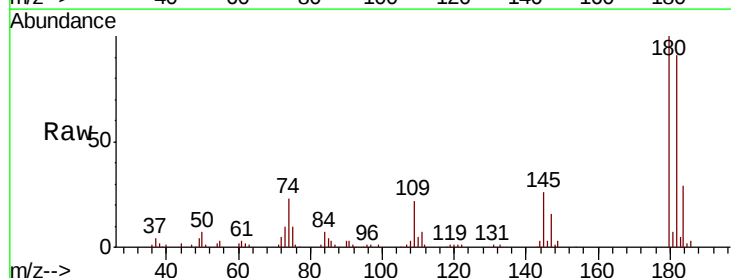
Tgt Ion:180 Resp: 87739

Ion Ratio Lower Upper

180 100

182 91.1 77.7 116.5

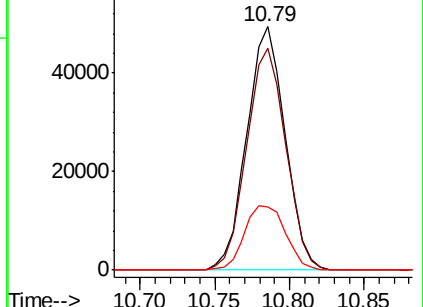
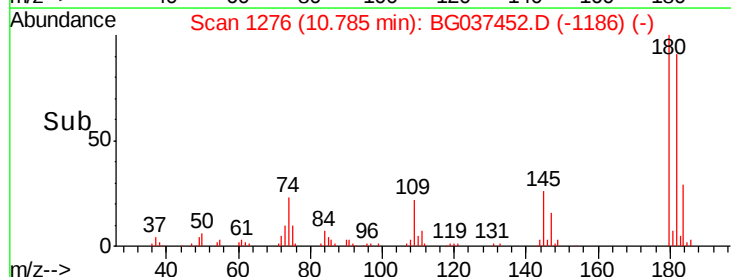
145 26.1 23.3 34.9

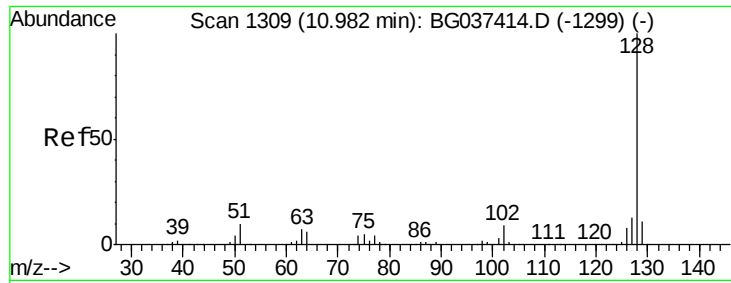


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

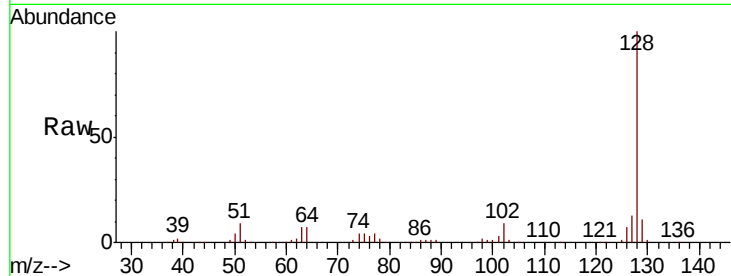




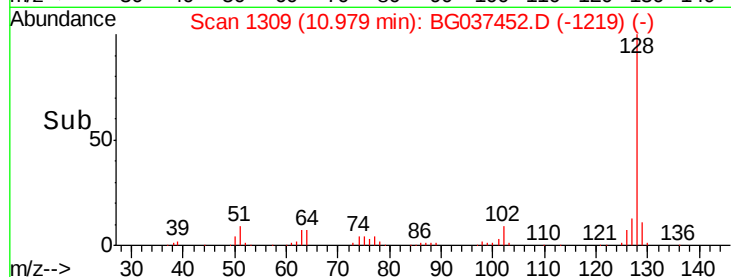
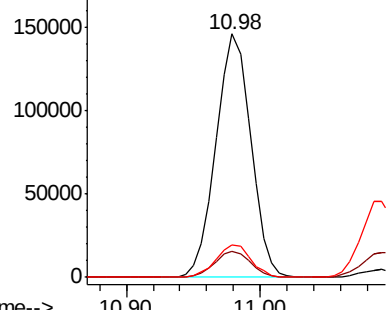
#31
Naphthalene
Concen: 21.543 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:128 Resp: 262999
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 13.3 11.1 16.7

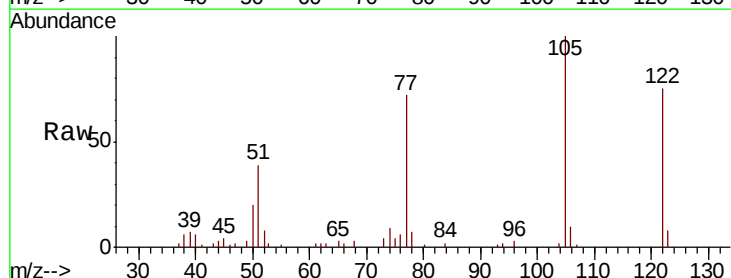


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

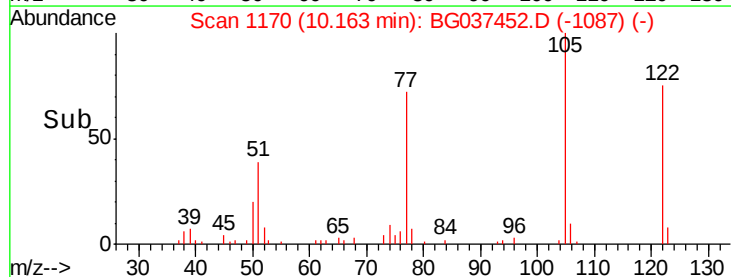
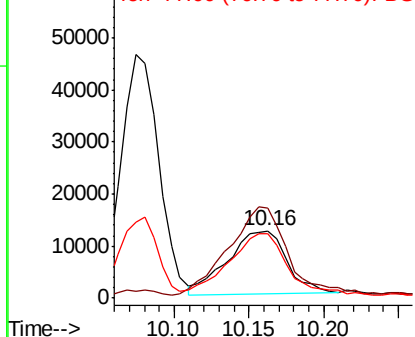


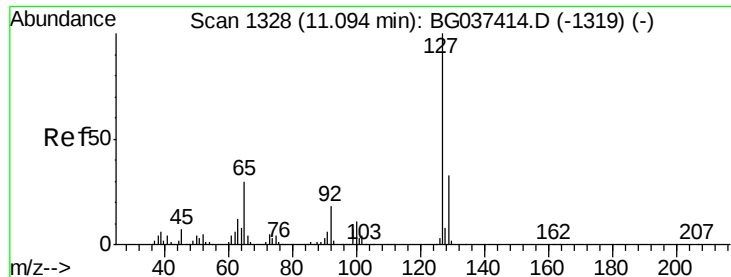
#32
Benzoic acid
Concen: 13.900 ng
RT: 10.16 min Scan# 1170
Delta R.T. -0.04 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:122 Resp: 33471
Ion Ratio Lower Upper
122 100
105 133.7 106.7 146.7
77 95.8 72.2 112.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG

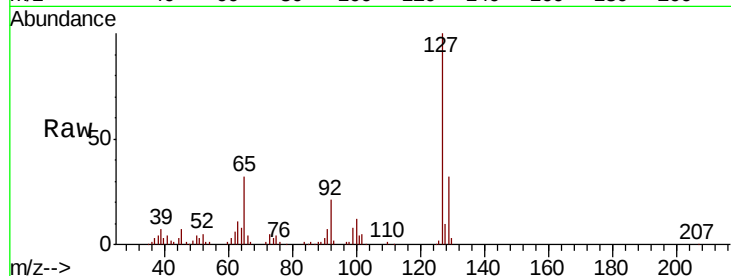




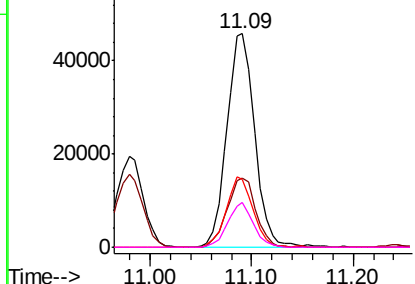
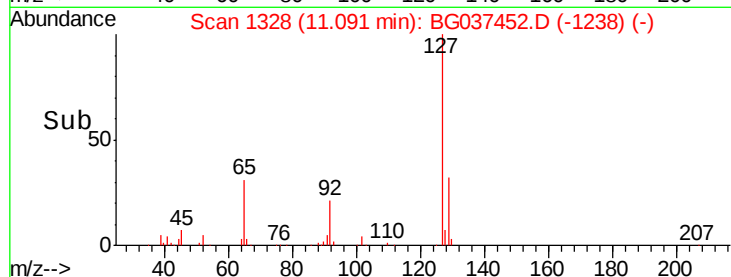
#33
4-Chloroaniline
Concen: 15.183 ng
RT: 11.09 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:	127	Resp:	87094
Ion	Ratio	Lower	Upper
127	100		
129	32.5	27.1	40.7
65	31.7	26.6	39.8
92	21.2	16.4	24.6

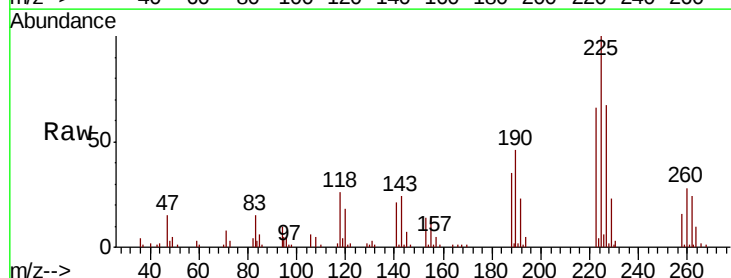


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

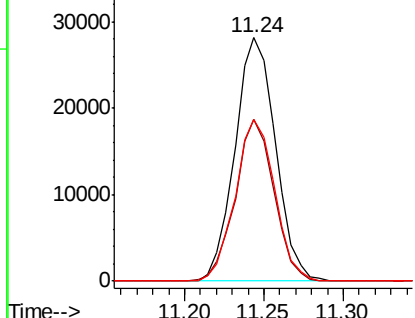
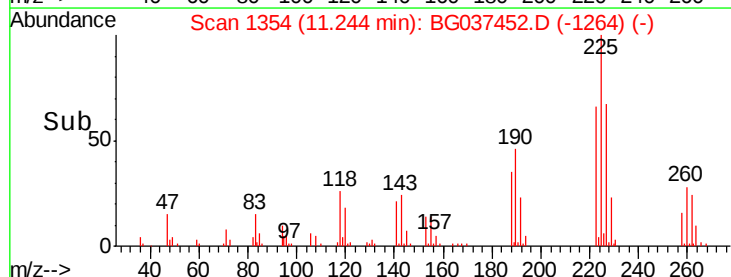


#34
Hexachlorobutadiene
Concen: 18.744 ng
RT: 11.24 min Scan# 1354
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:	225	Resp:	49869
Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.2	72.4
227	65.0	51.6	77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 18.605 ng

RT: 11.86 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

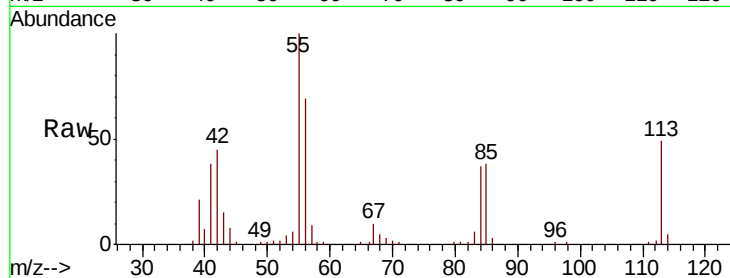
Tgt Ion:113 Resp: 30802

Ion Ratio Lower Upper

113 100

55 205.8 176.6 216.6

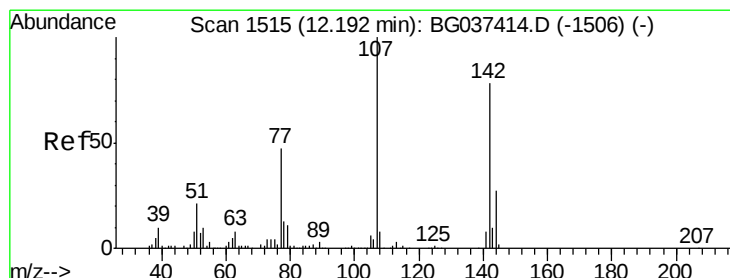
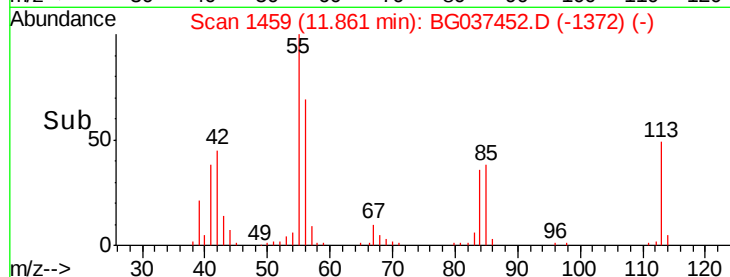
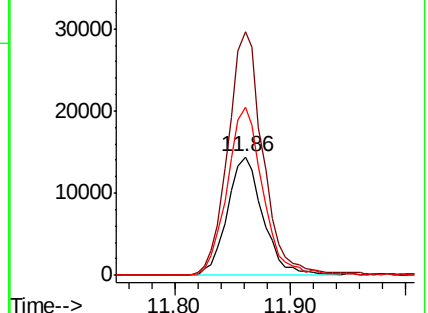
56 141.9 128.3 168.3



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 20.317 ng

RT: 12.18 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

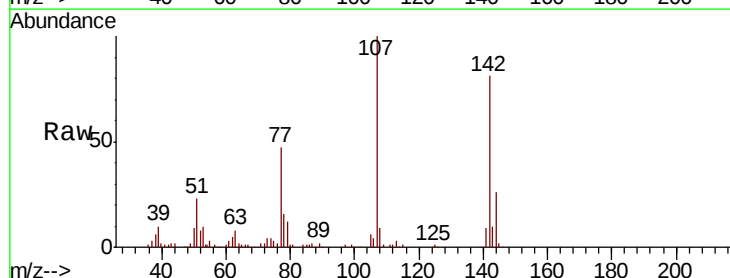
Tgt Ion:107 Resp: 94580

Ion Ratio Lower Upper

107 100

144 25.7 20.7 31.1

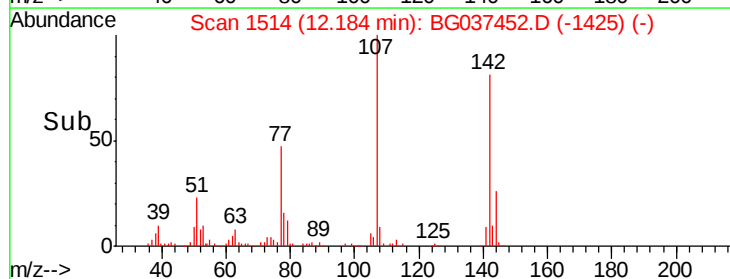
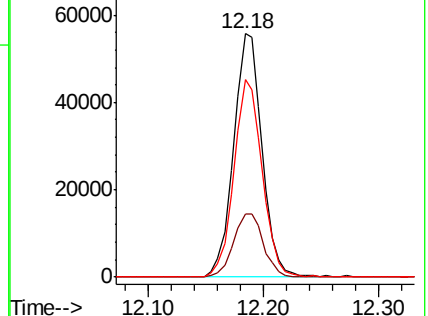
142 80.9 64.4 96.6



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

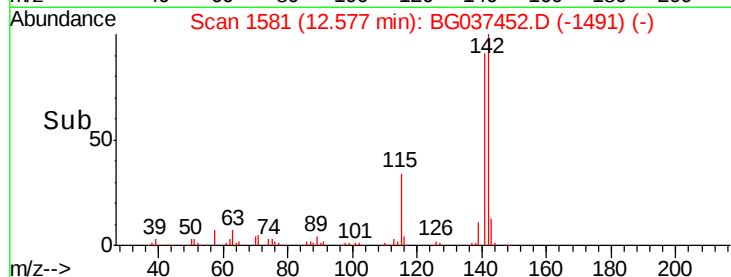
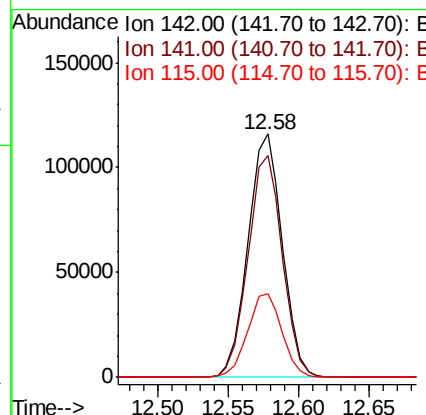
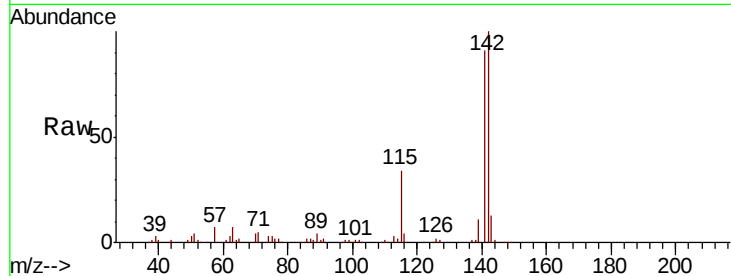




#37
2-Methylnaphthalene
Concen: 22.210 ng
RT: 12.58 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

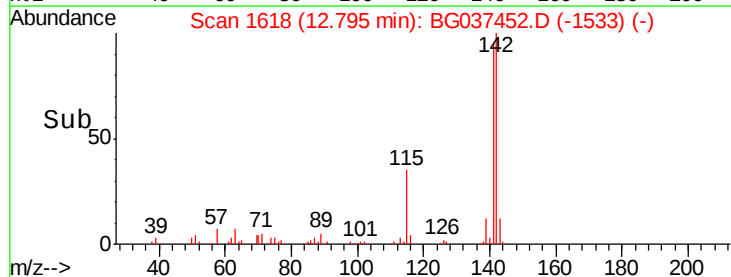
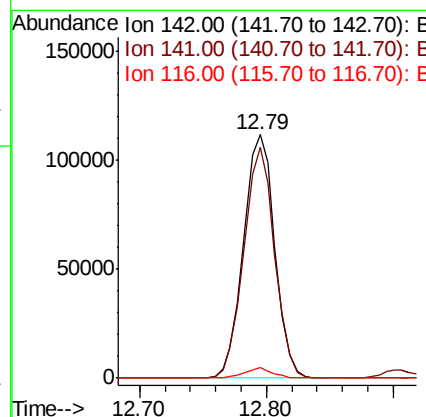
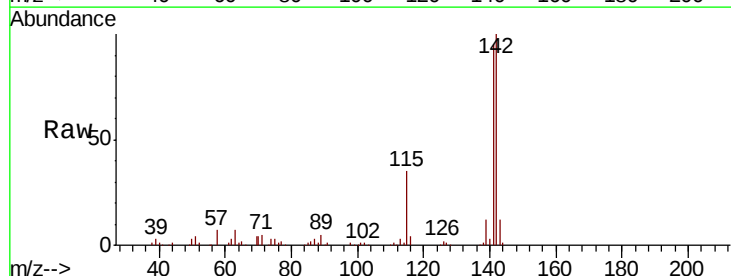
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

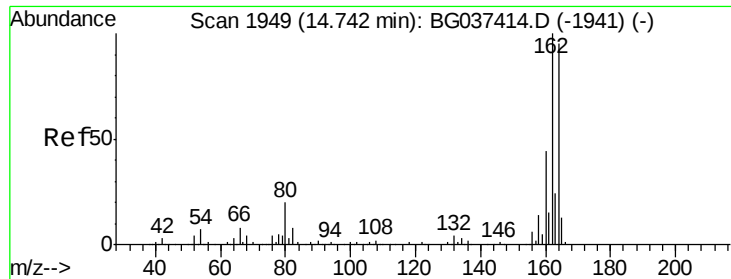
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.9	107.9
115	34.5	27.8	41.8



#38
1-Methylnaphthalene
Concen: 22.019 ng
RT: 12.79 min Scan# 1618
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	75.2	112.8
116	4.3	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: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

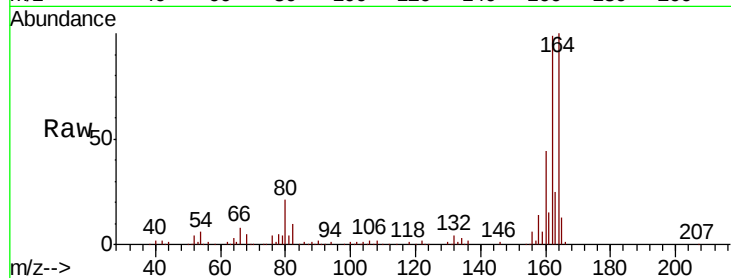
Tgt Ion:164 Resp: 165730

Ion Ratio Lower Upper

164 100

162 99.2 81.3 121.9

160 44.1 36.3 54.5

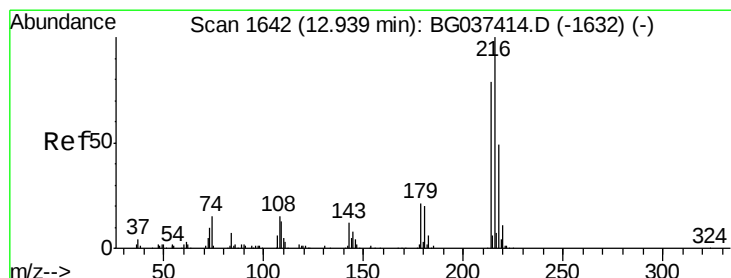
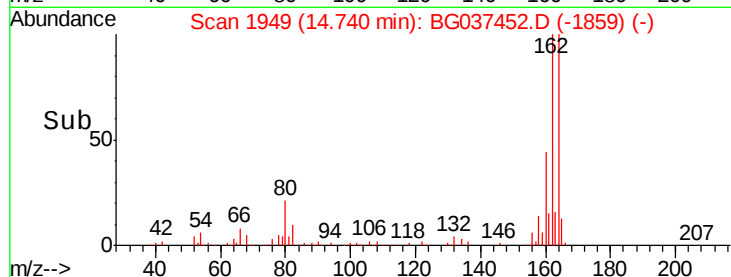
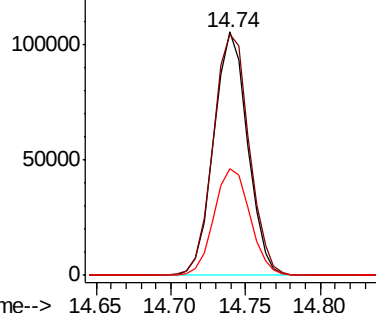


Abundance

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: 18.740 ng

RT: 12.93 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Tgt Ion:216 Resp: 100177

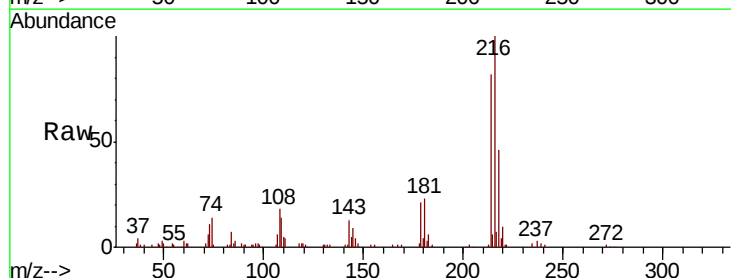
Ion Ratio Lower Upper

216 100

214 78.2 63.8 95.6

179 20.4 17.4 26.0

108 17.9 13.9 20.9



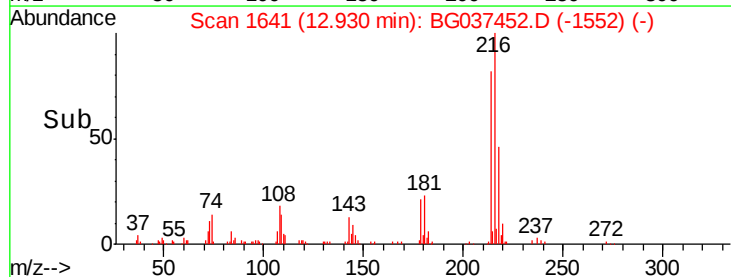
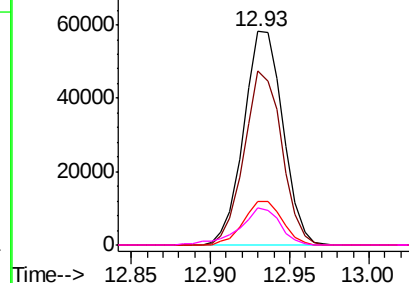
Abundance

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: 22.586 ng

RT: 12.91 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

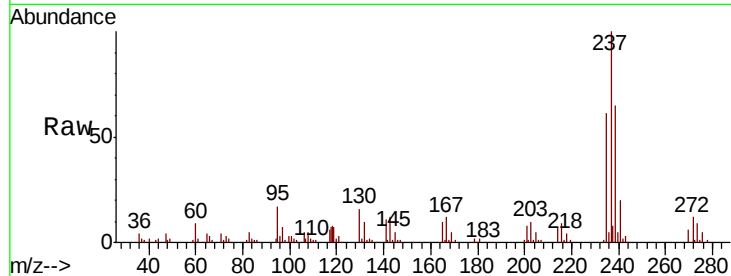
Tgt Ion:237 Resp: 57673

Ion Ratio Lower Upper

237 100

235 61.5 42.5 82.5

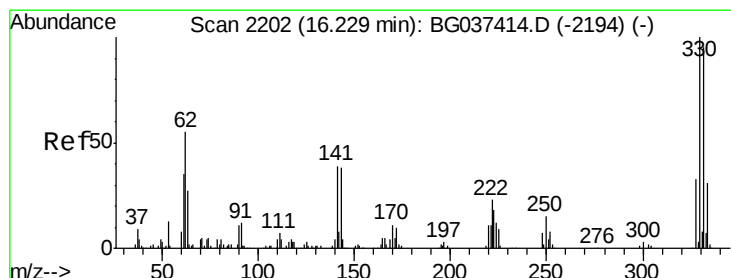
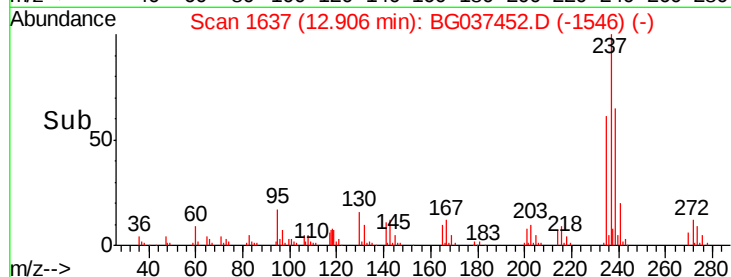
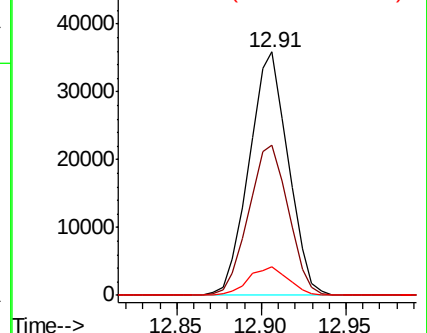
272 11.7 0.0 31.6



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: 139.517 ng

RT: 16.23 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

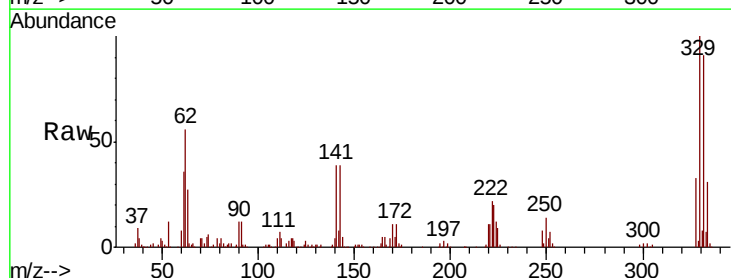
Tgt Ion:330 Resp: 252191

Ion Ratio Lower Upper

330 100

332 94.5 78.4 117.6

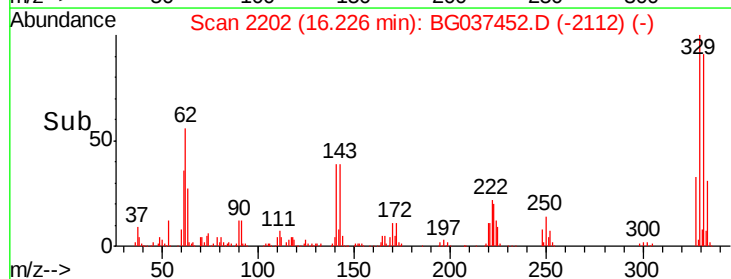
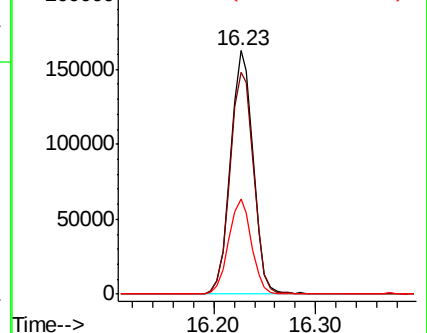
141 39.2 32.2 48.2



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

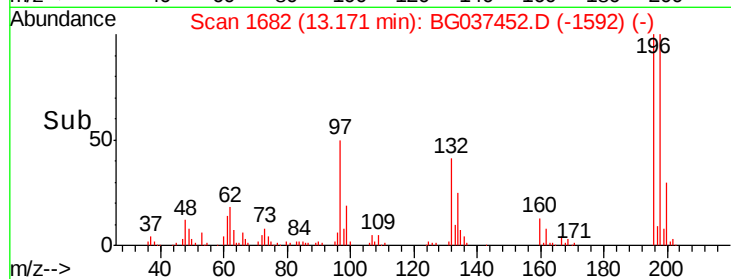
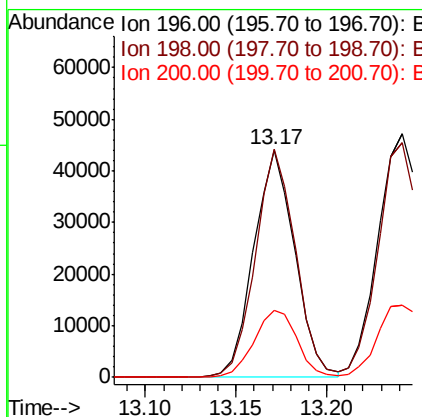
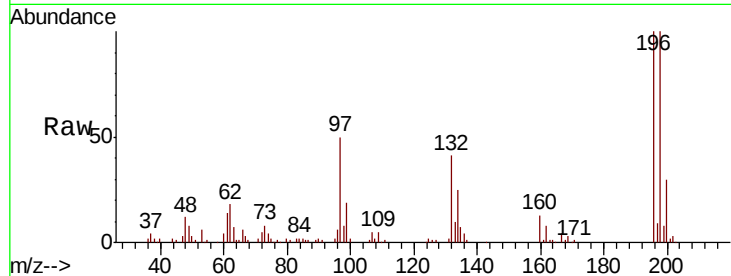




#43
 2,4,6-Trichlorophenol
 Concen: 19.414 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

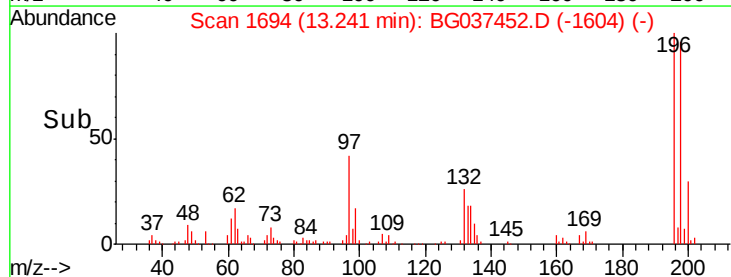
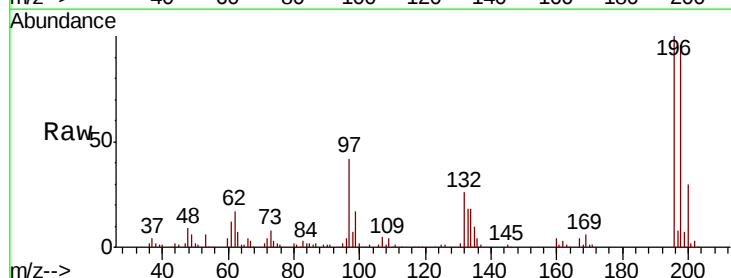
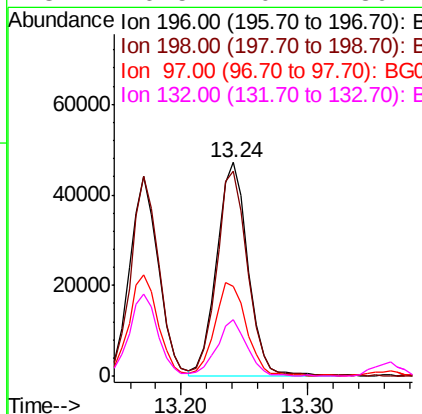
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:196 Resp: 69334
 Ion Ratio Lower Upper
 196 100
 198 100.3 76.4 114.6
 200 29.7 24.9 37.3



#44
 2,4,5-Trichlorophenol
 Concen: 20.752 ng
 RT: 13.24 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:196 Resp: 80690
 Ion Ratio Lower Upper
 196 100
 198 96.1 74.2 111.2
 97 42.0 34.1 51.1
 132 26.5 20.2 30.4

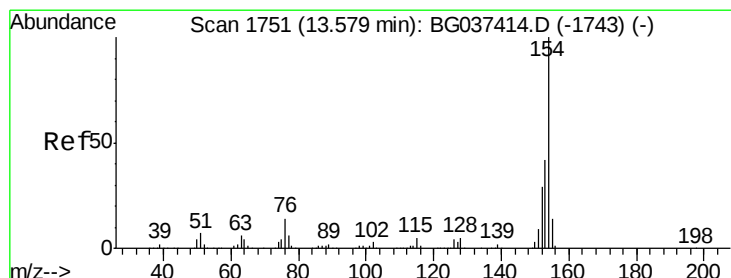
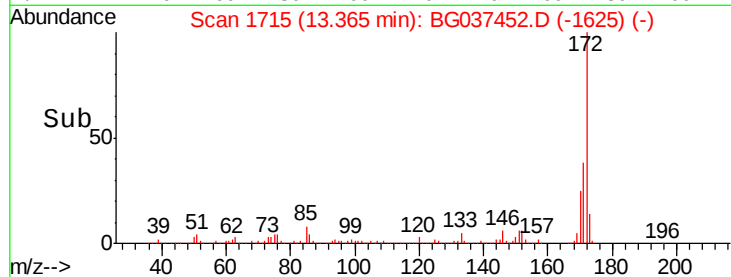
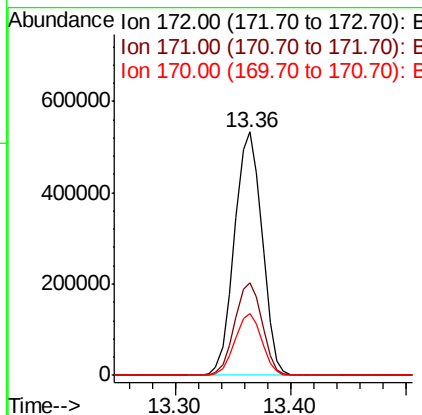
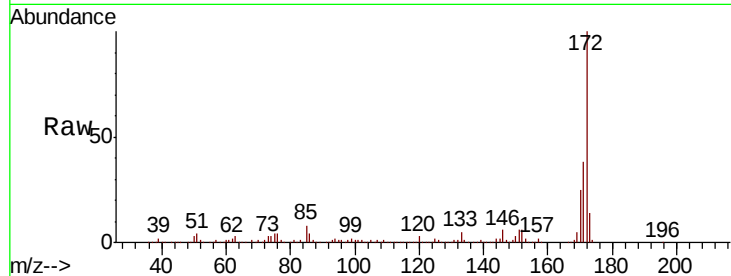




#45
2-Fluorobiphenyl
Concen: 80.472 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

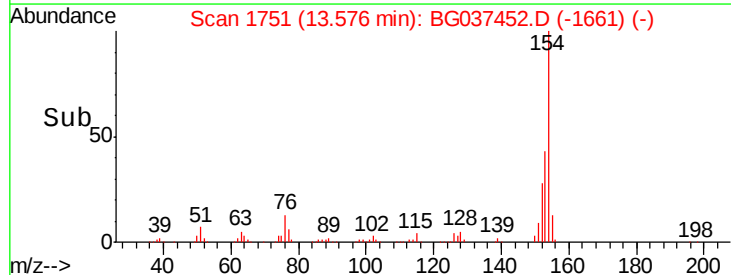
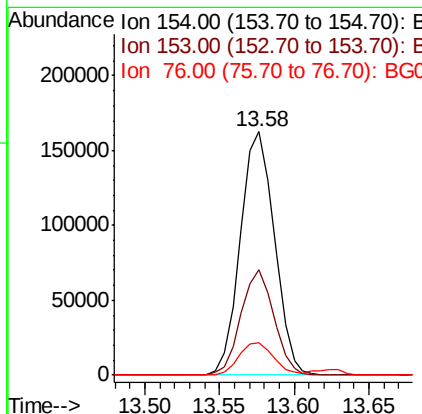
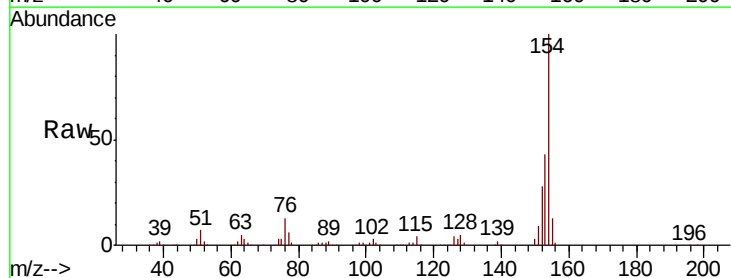
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:172 Resp: 884420
Ion Ratio Lower Upper
172 100
171 38.2 31.0 46.4
170 25.3 20.2 30.2



#46
1,1'-Biphenyl
Concen: 18.775 ng
RT: 13.58 min Scan# 1751
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:154 Resp: 257690
Ion Ratio Lower Upper
154 100
153 43.3 22.1 62.1
76 13.1 0.0 33.2

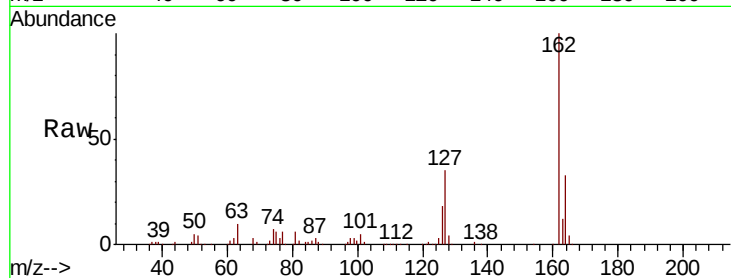




#47
2-Chloronaphthalene
Concen: 19.618 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
162	100		
127	34.8	30.5	45.7
164	33.3	26.4	39.6

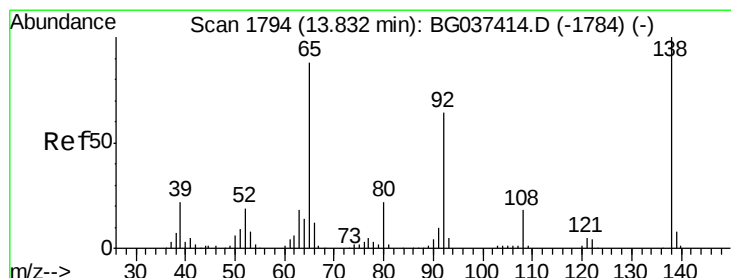
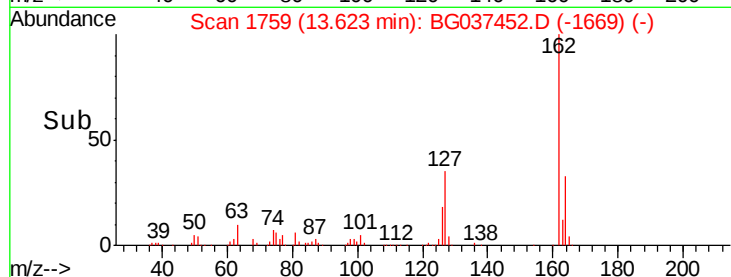
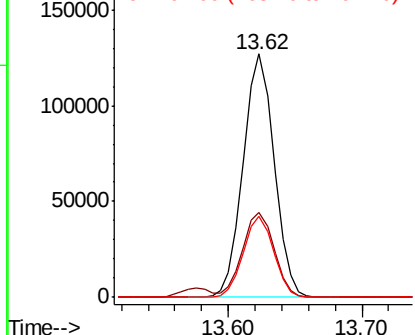


Abundance

Ion 162.00 (161.70 to 162.70): E

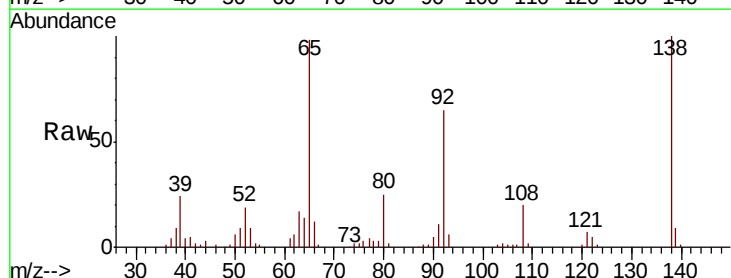
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 19.600 ng
RT: 13.83 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.2	53.2	79.8
138	102.4	79.3	118.9

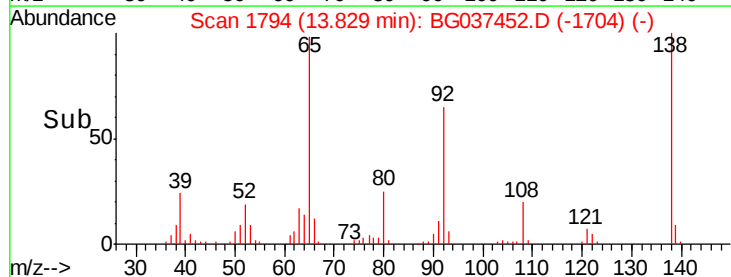
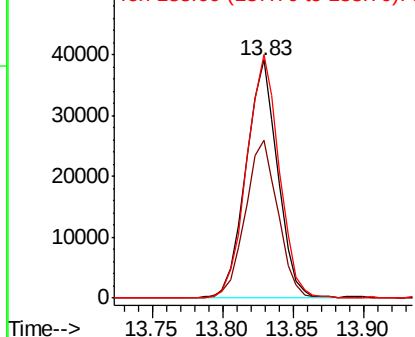


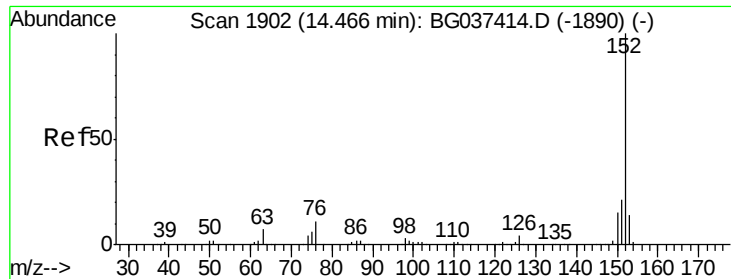
Abundance

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: 21.908 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

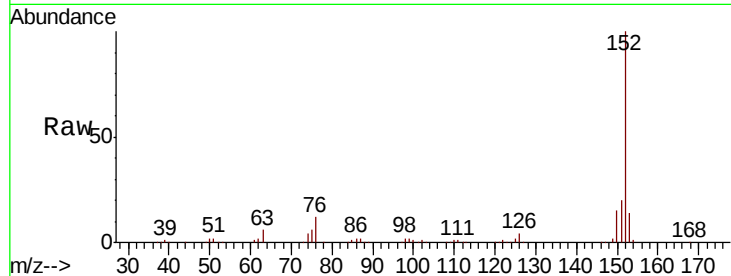
Tgt Ion:152 Resp: 342197

Ion Ratio Lower Upper

152 100

151 20.4 17.1 25.7

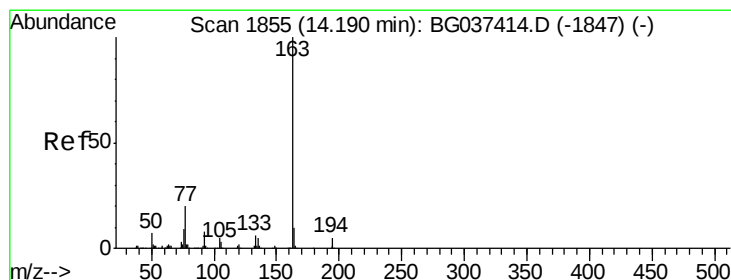
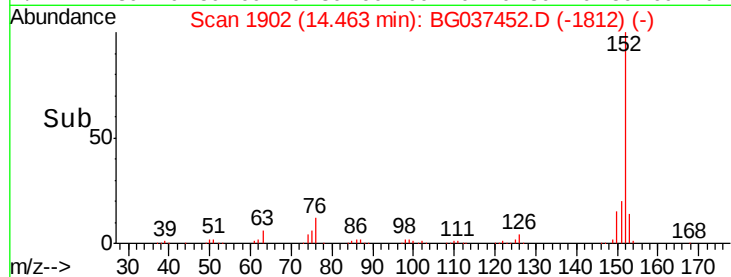
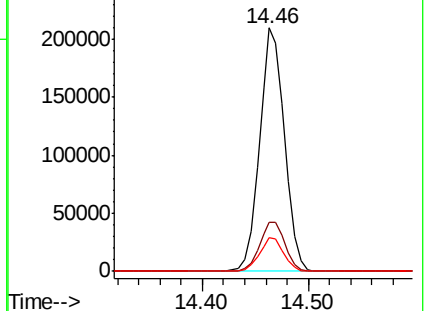
153 13.9 11.1 16.7



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: 21.049 ng

RT: 14.19 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

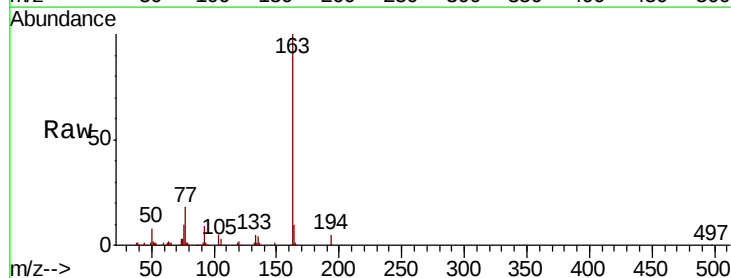
Tgt Ion:163 Resp: 269867

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

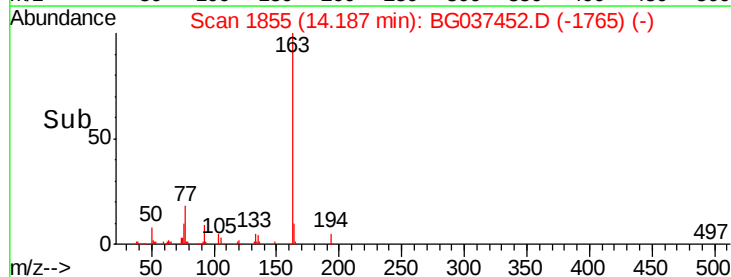
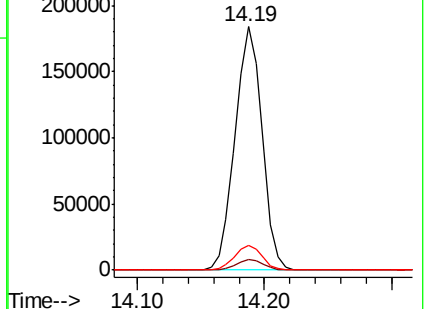
164 9.9 8.5 12.7

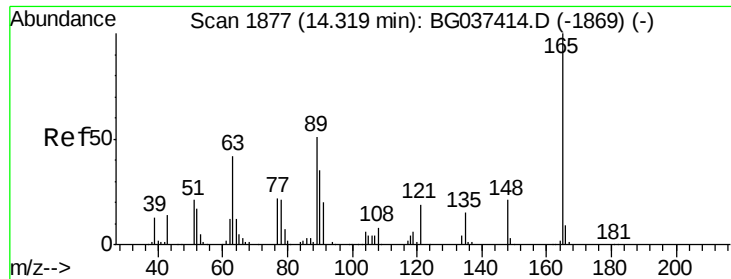


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

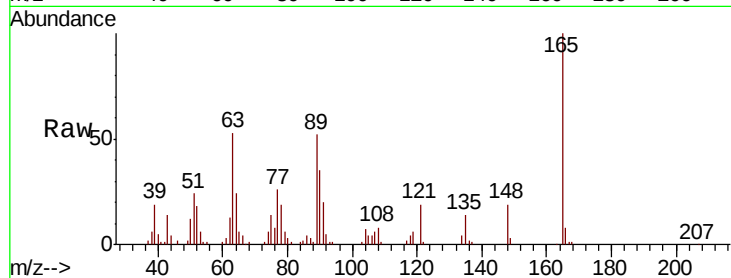




#51
 2,6-Dinitrotoluene
 Concen: 20.374 ng
 RT: 14.32 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.5	43.4	65.2
89	51.8	45.8	68.6

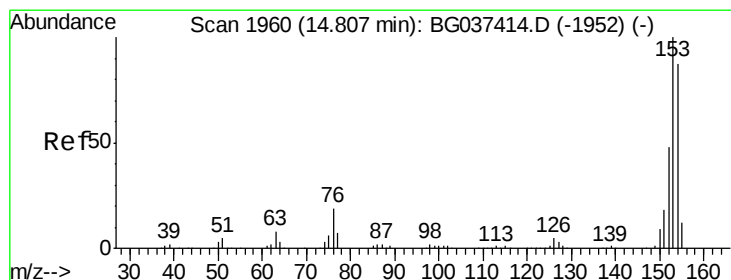
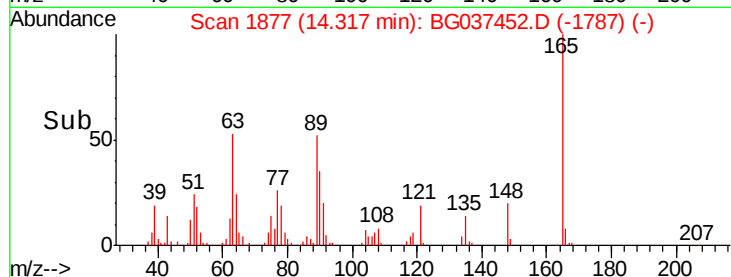
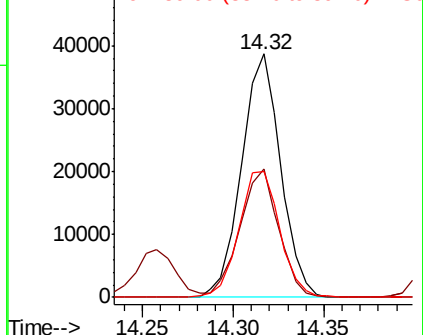


Abundance

Ion 165.00 (164.70 to 165.70): E

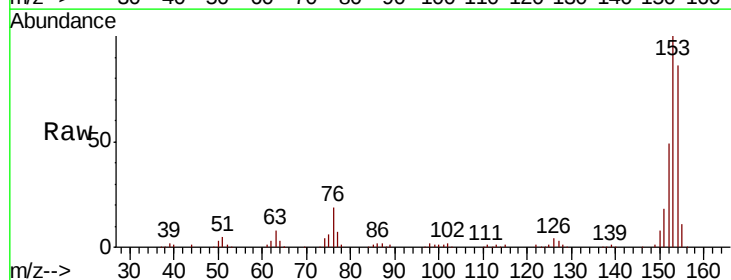
Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG



#52
 Acenaphthene
 Concen: 20.211 ng
 RT: 14.80 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.0	93.4	140.0
152	56.3	44.7	67.1

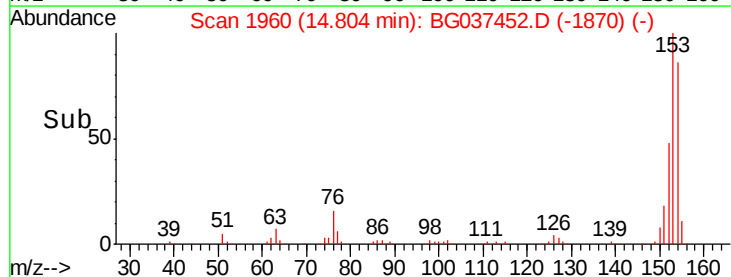
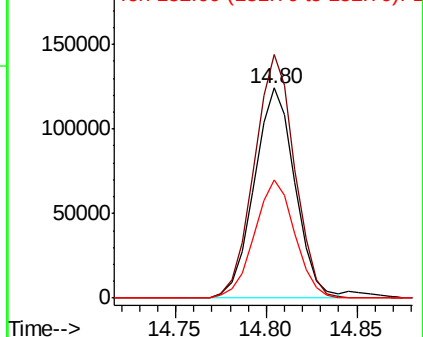


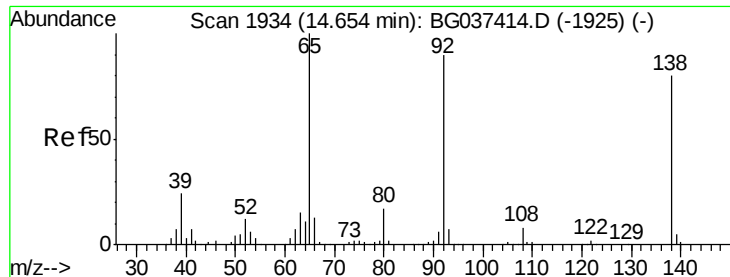
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.587 ng

RT: 14.65 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

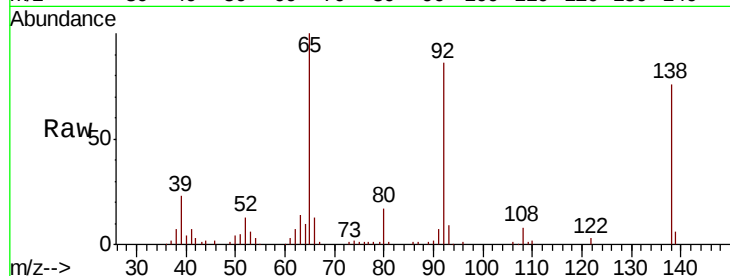
Tgt Ion:138 Resp: 55376

Ion Ratio Lower Upper

138 100

108 10.2 11.0 16.6#

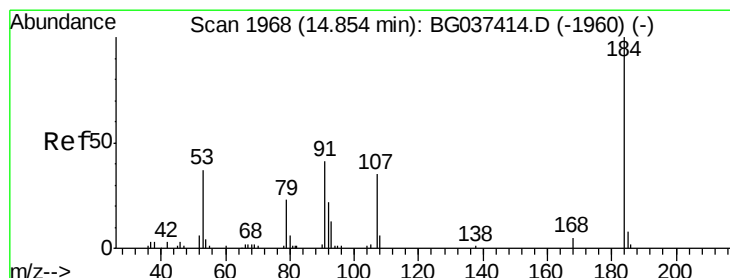
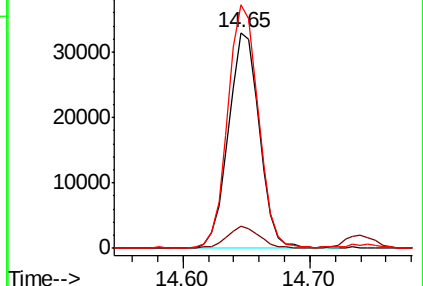
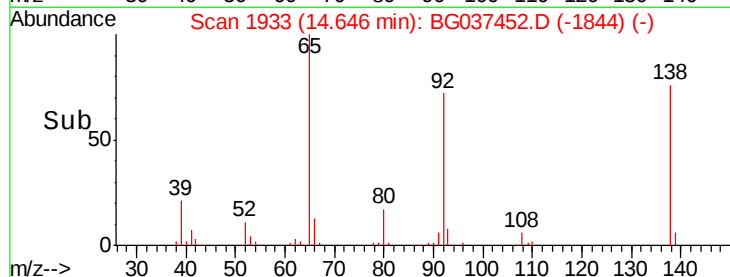
92 112.9 95.2 142.8



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: 20.724 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

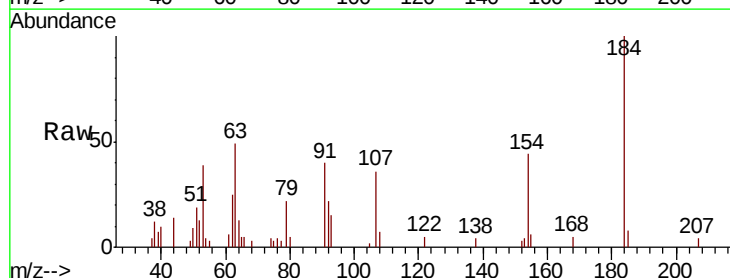
Tgt Ion:184 Resp: 11394

Ion Ratio Lower Upper

184 100

63 49.3 42.6 63.8

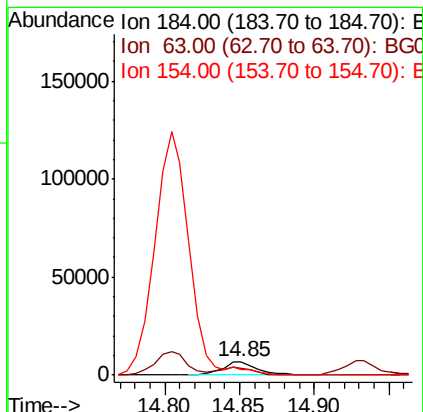
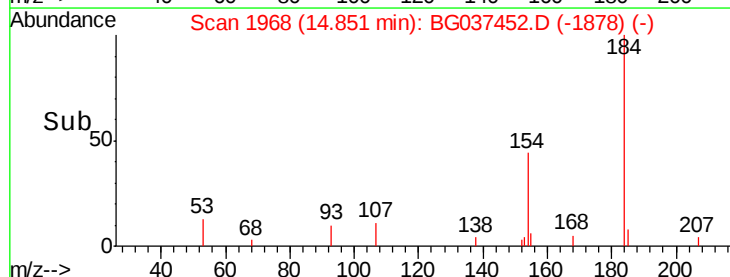
154 44.3 41.8 62.6

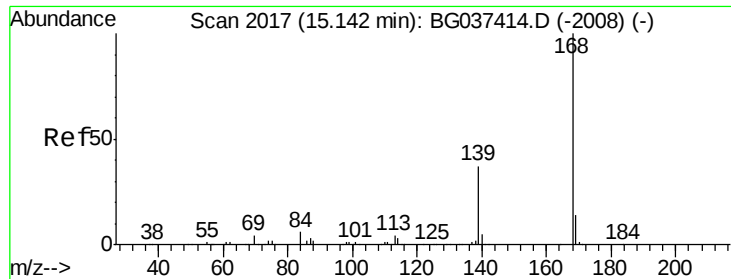


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

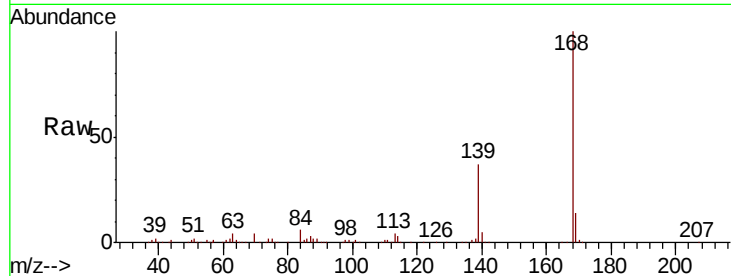




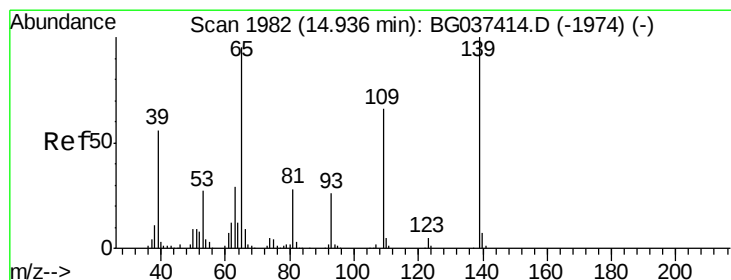
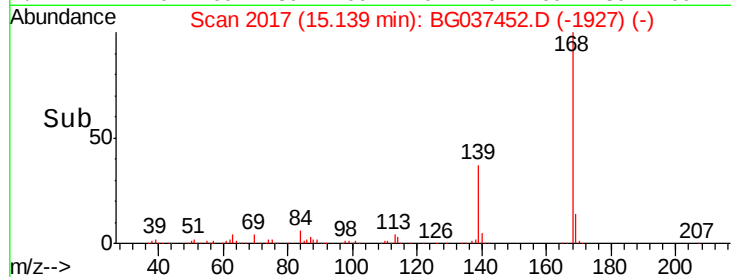
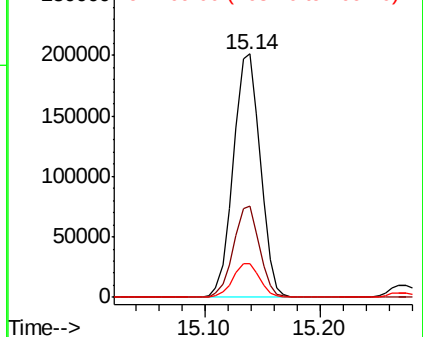
#55
Dibenzofuran
Concen: 20.419 ng
RT: 15.14 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:168 Resp: 325446
Ion Ratio Lower Upper
168 100
139 37.3 29.4 44.0
169 13.7 11.0 16.6

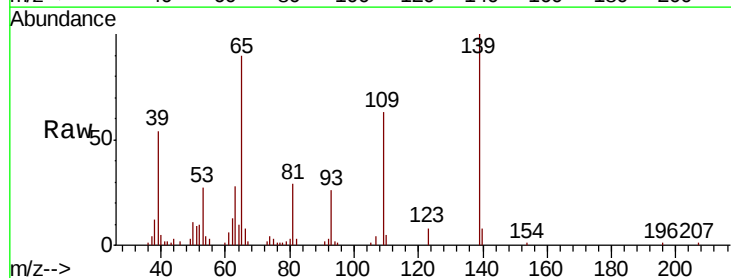


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

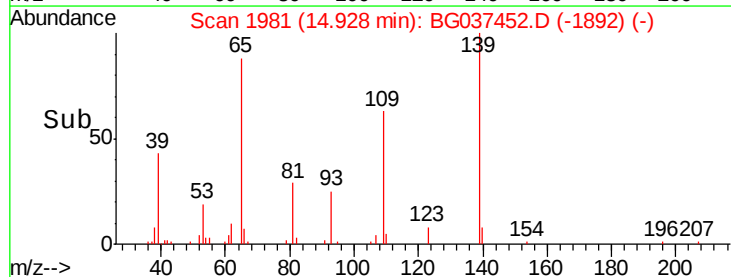
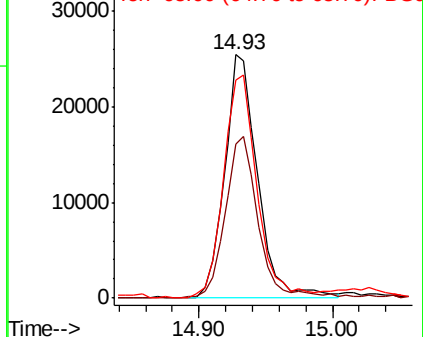


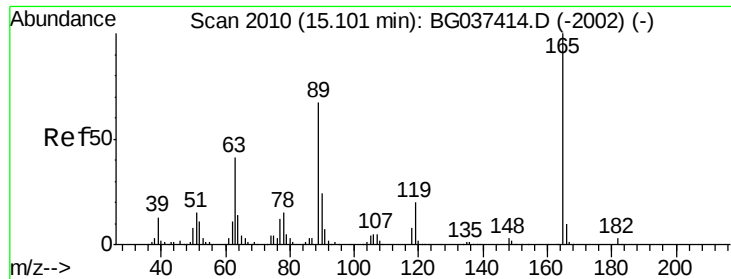
#56
4-Nitrophenol
Concen: 18.820 ng
RT: 14.93 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:139 Resp: 43863
Ion Ratio Lower Upper
139 100
109 63.5 49.5 89.5
65 89.7 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

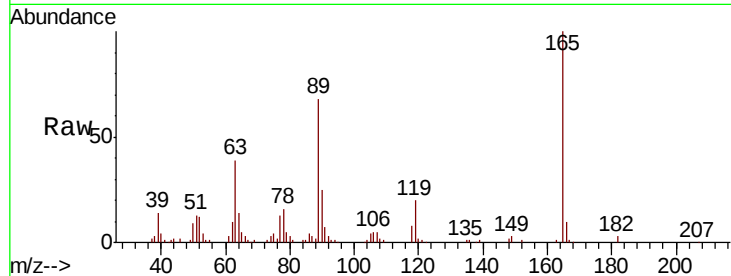




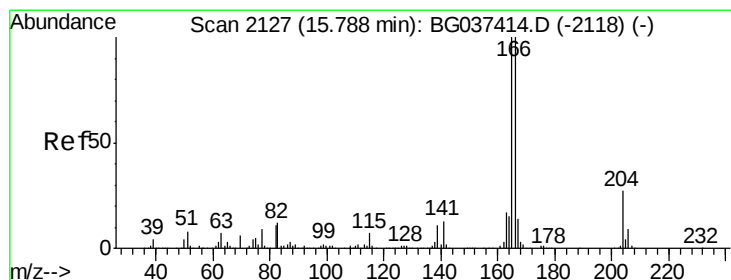
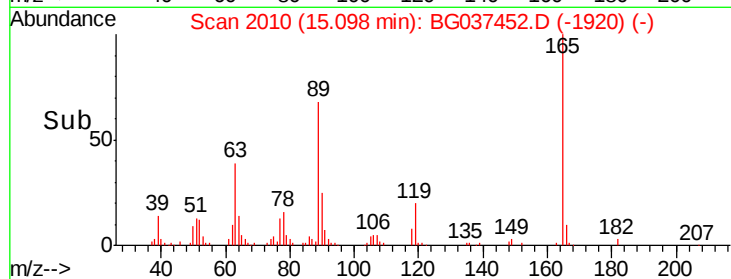
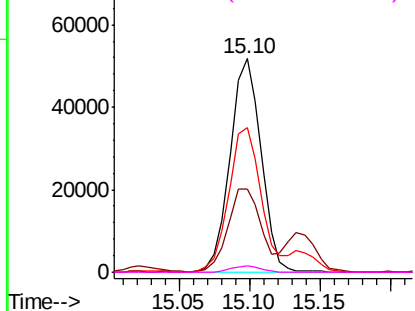
#57
 2,4-Dinitrotoluene
 Concen: 21.312 ng
 RT: 15.10 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:	165	Resp:	79346
Ion	Ratio	Lower	Upper
165	100		
63	38.9	33.4	50.0
89	67.6	57.2	85.8
182	2.9	2.6	4.0

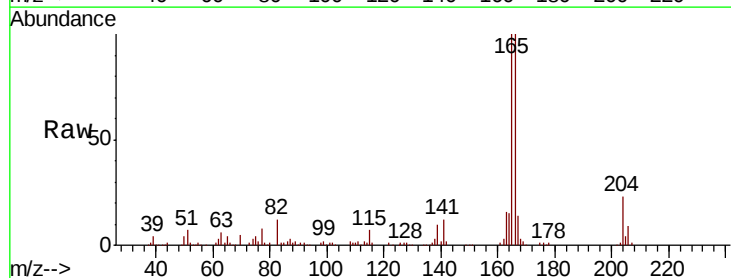


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

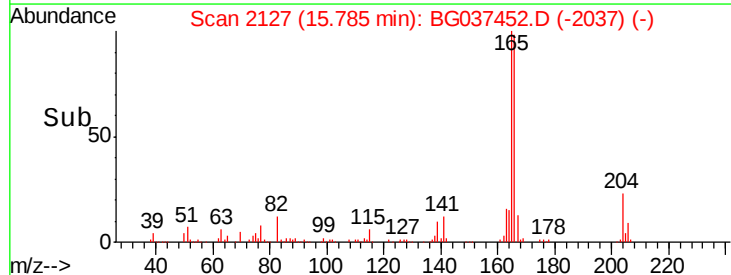
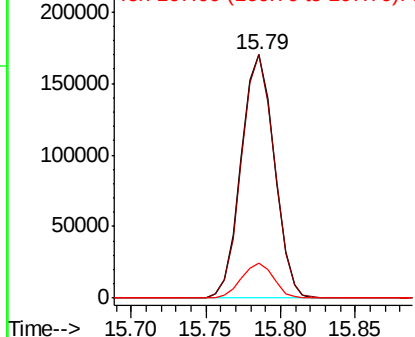


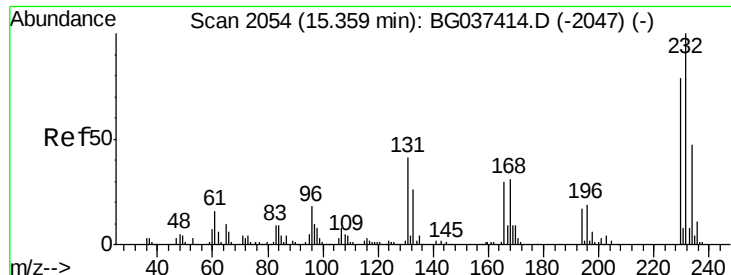
#58
 Fluorene
 Concen: 21.995 ng
 RT: 15.79 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:	166	Resp:	262523
Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.0	118.6
167	14.4	11.3	16.9



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

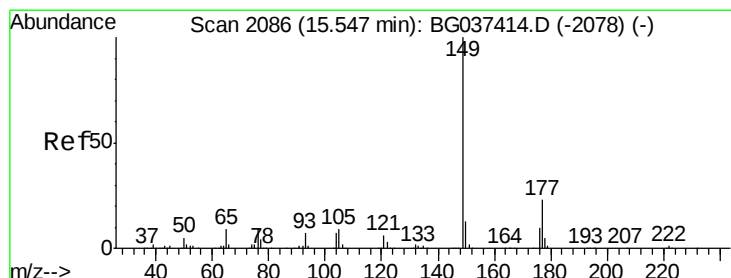
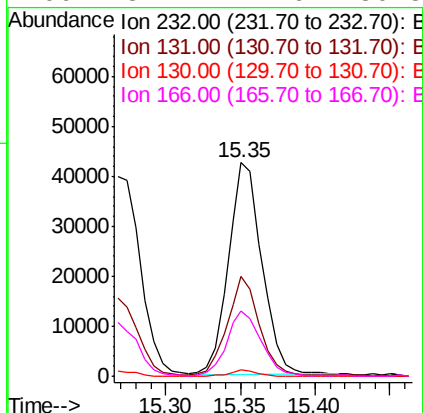
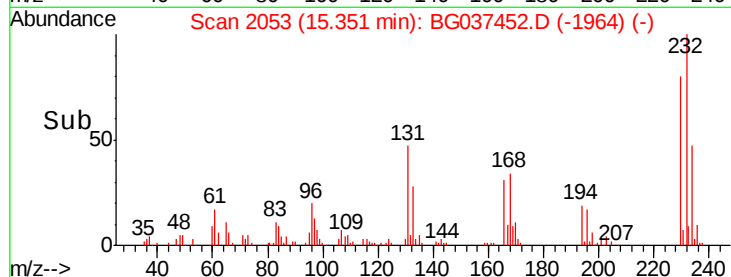
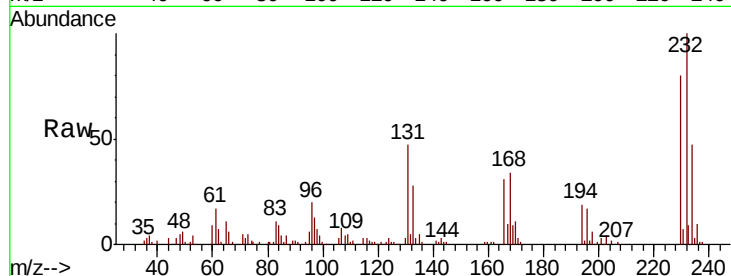




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 20.124 ng
 RT: 15.35 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

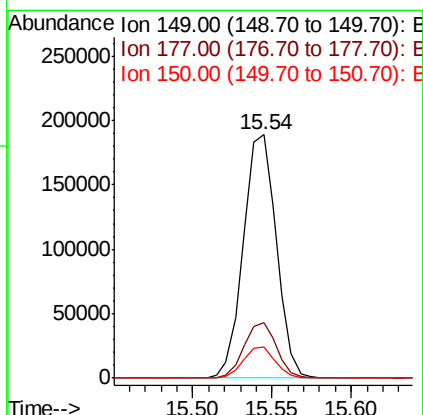
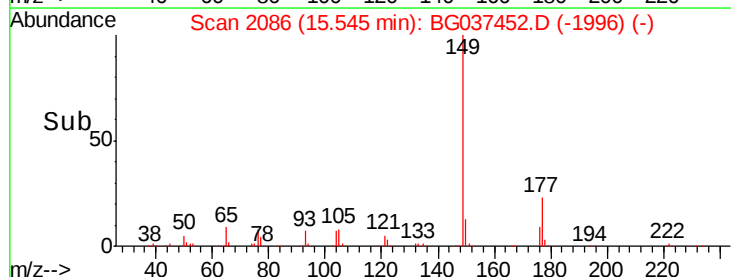
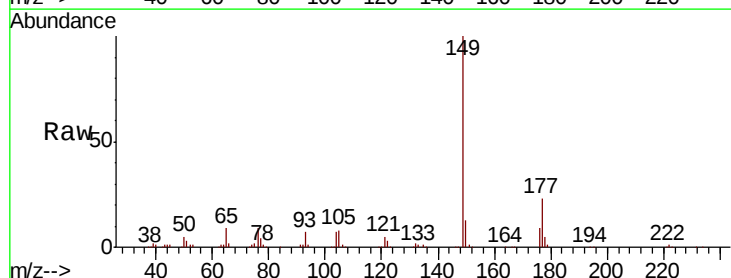
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

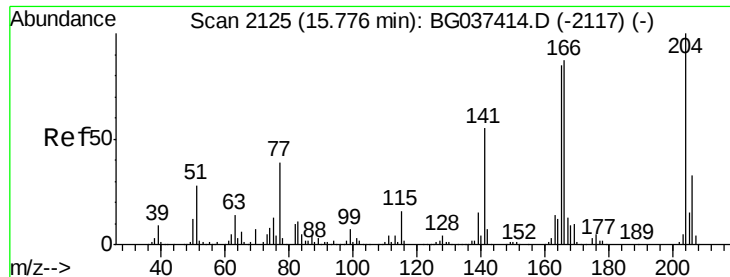
Tgt Ion: 232 Resp: 66999
 Ion Ratio Lower Upper
 232 100
 131 44.2 33.7 50.5
 130 2.2 2.1 3.1
 166 31.4 24.6 36.8



#60
 Diethylphthalate
 Concen: 20.689 ng
 RT: 15.54 min Scan# 2086
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion: 149 Resp: 272331
 Ion Ratio Lower Upper
 149 100
 177 22.7 18.3 27.5
 150 12.8 10.0 15.0

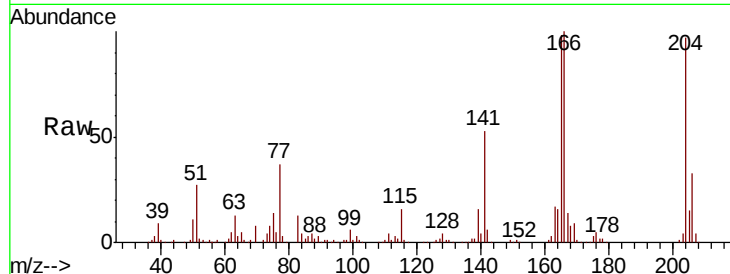




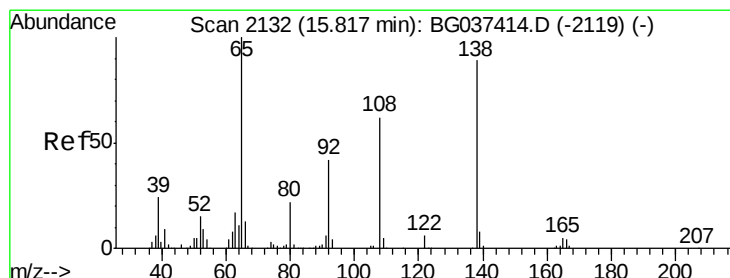
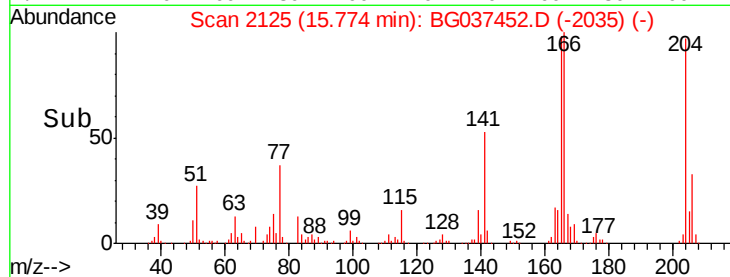
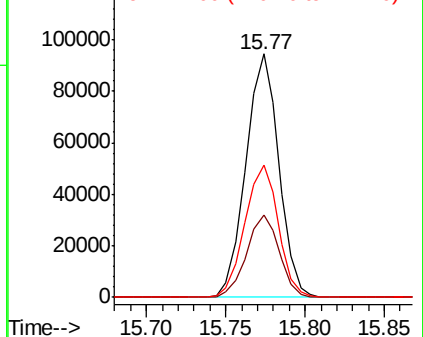
#61
 4-Chlorophenyl-phenylether
 Concen: 19.561 ng
 RT: 15.77 min Scan# 2125
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion: 204 Resp: 136081
 Ion Ratio Lower Upper
 204 100
 206 33.8 26.6 39.8
 141 54.2 45.4 68.2

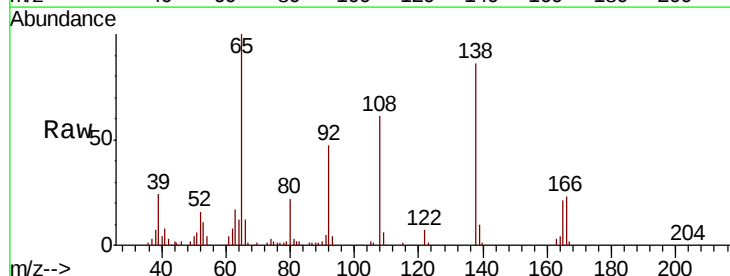


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

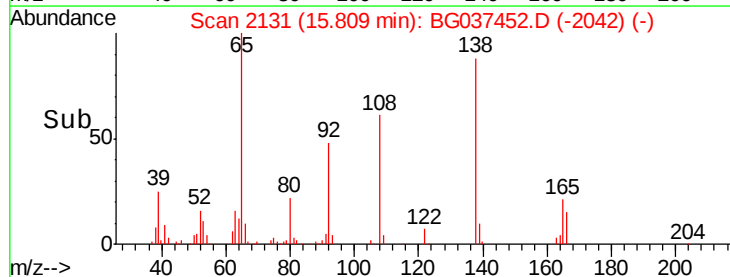
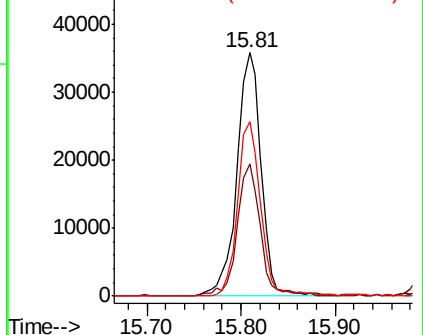


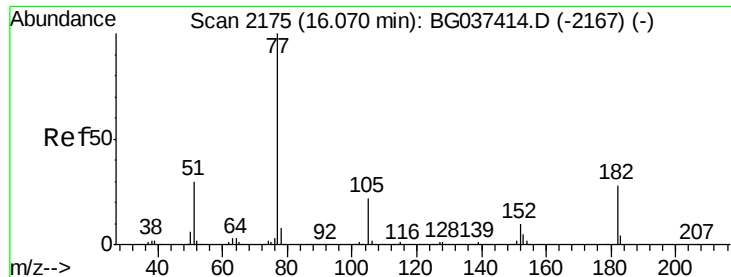
#62
 4-Nitroaniline
 Concen: 20.584 ng
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.01 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion: 138 Resp: 64403
 Ion Ratio Lower Upper
 138 100
 92 54.4 36.4 76.4
 108 71.4 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

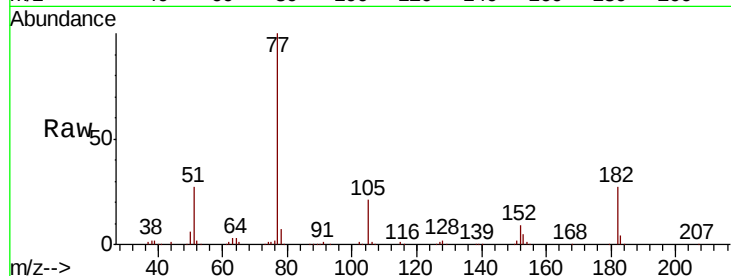




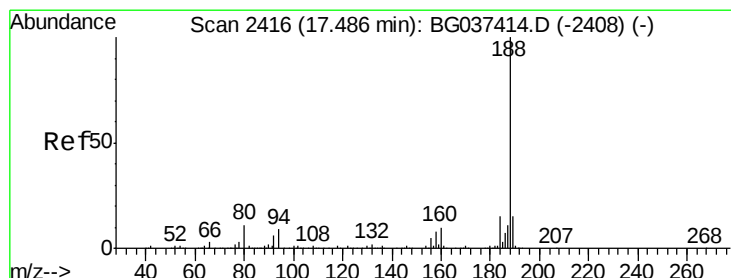
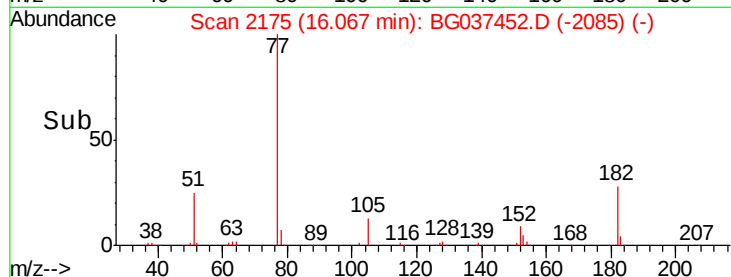
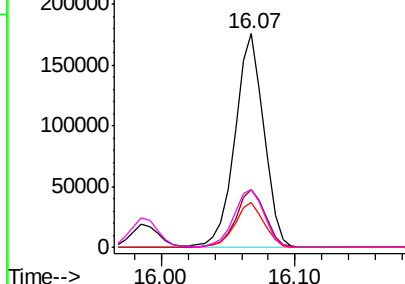
#63
Azobenzene
Concen: 20.946 ng
RT: 16.07 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:	77	Resp:	263065
Ion	Ratio	Lower	Upper
77	100		
182	27.1	8.0	48.0
105	21.2	1.3	41.3
51	27.3	10.7	50.7

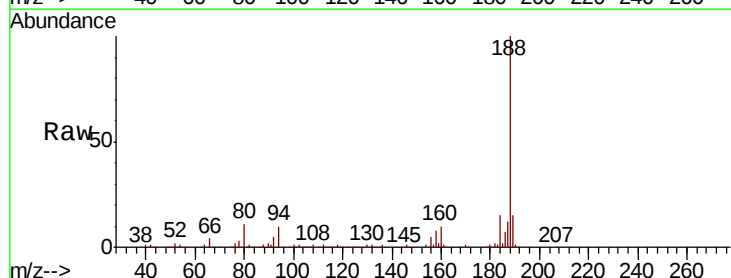


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

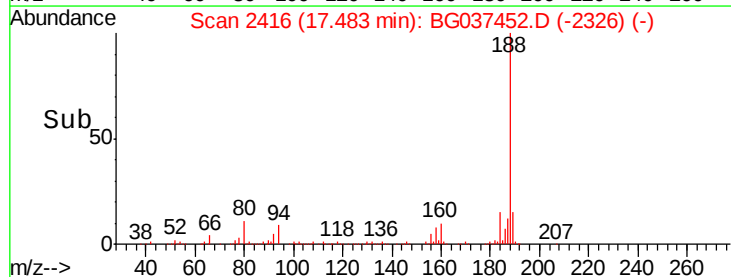
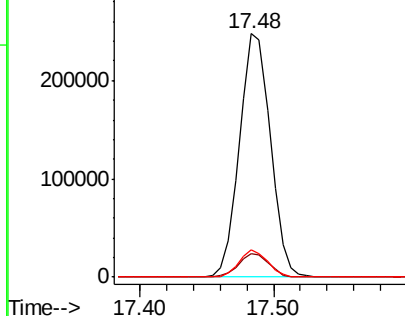


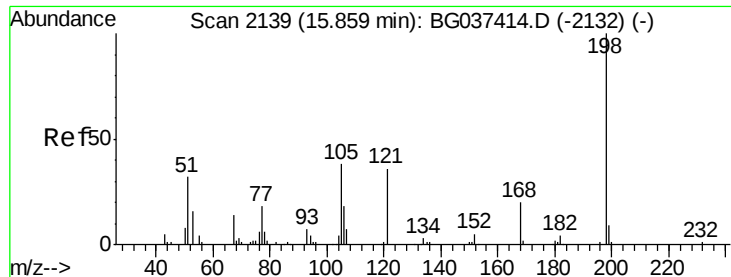
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:	188	Resp:	396729
Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.2	10.8
80	11.2	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

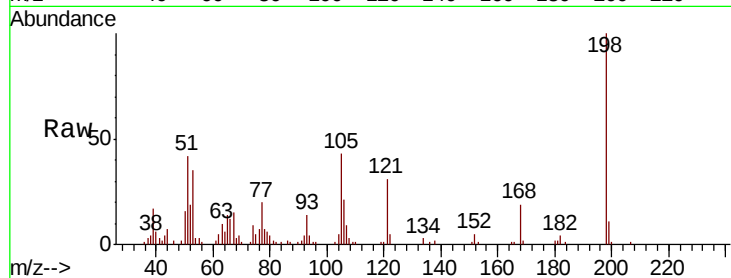




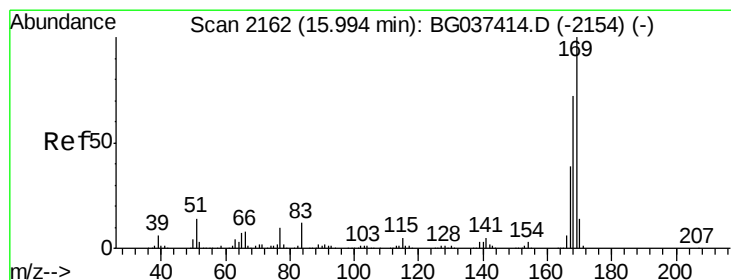
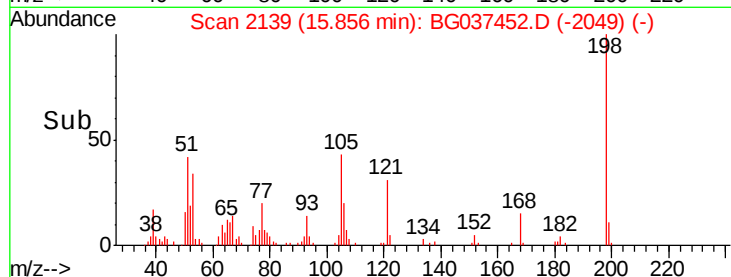
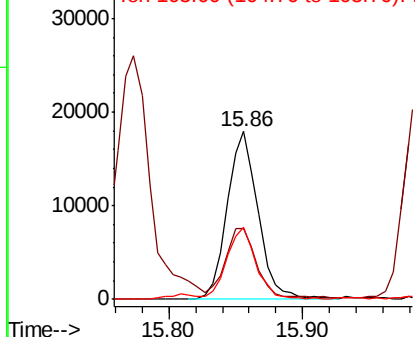
#65
 4,6-Dinitro-2-methylphenol
 Concen: 19.948 ng
 RT: 15.86 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:198 Resp: 28948
 Ion Ratio Lower Upper
 198 100
 51 41.9 22.7 62.7
 105 42.8 19.7 59.7

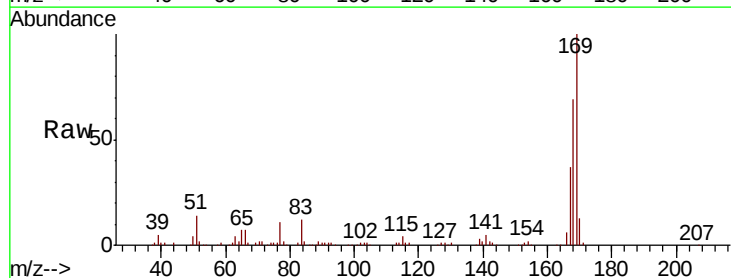


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

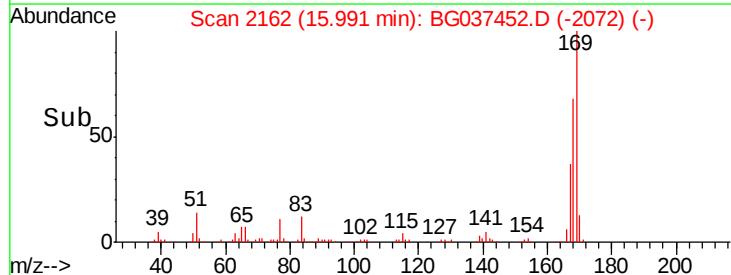
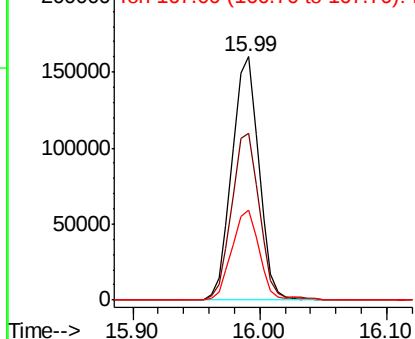


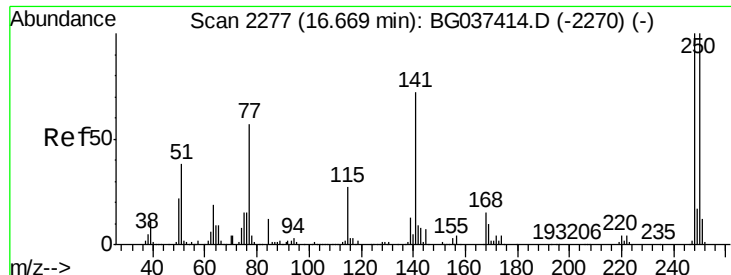
#66
 n-Nitrosodiphenylamine
 Concen: 19.694 ng
 RT: 15.99 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:169 Resp: 235019
 Ion Ratio Lower Upper
 169 100
 168 68.6 55.7 83.5
 167 36.7 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

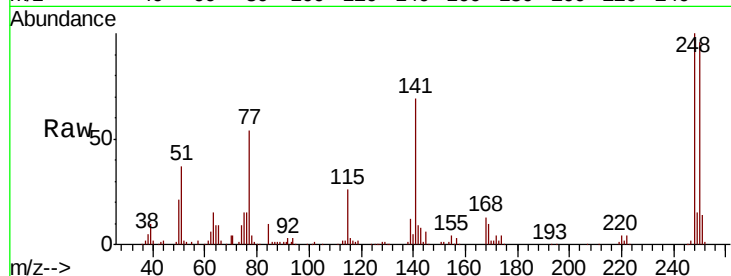




#67
4-Bromophenyl-phenylether
Concen: 19.287 ng
RT: 16.67 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion	Ratio	Lower	Upper
248	100		
250	95.5	77.0	115.6
141	69.2	55.5	83.3

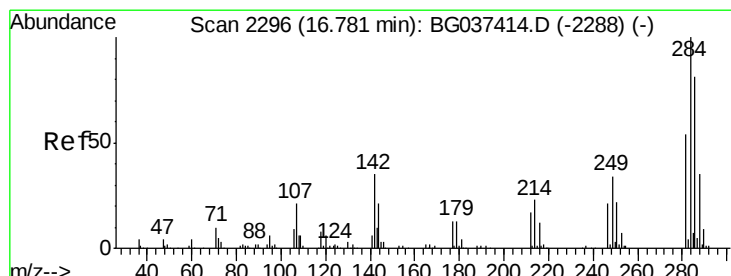
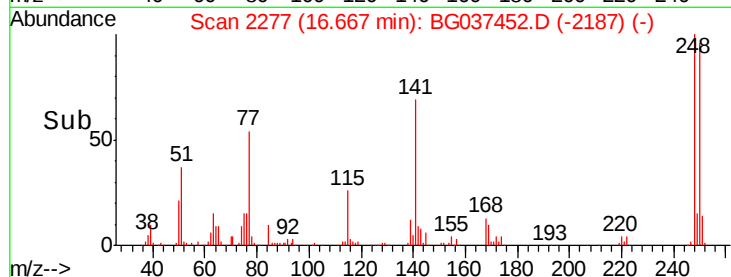
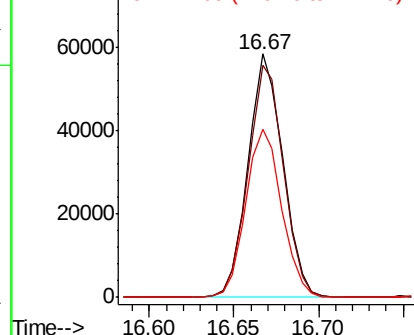


Abundance

Ion 248.00 (247.70 to 248.70): E

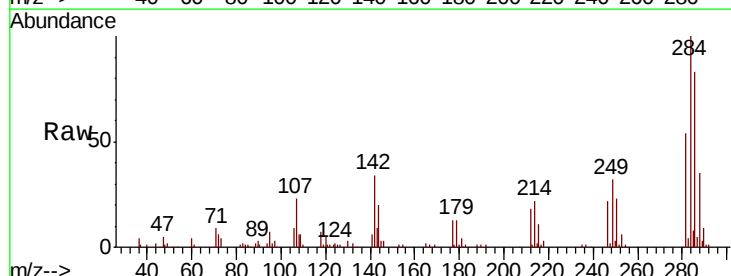
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 19.207 ng
RT: 16.78 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.6	28.1	42.1
249	34.8	29.8	44.8

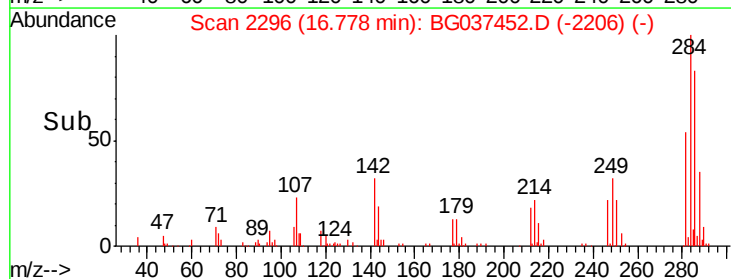
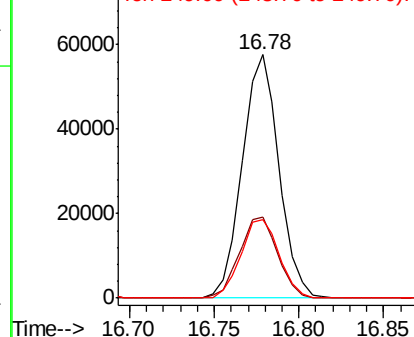


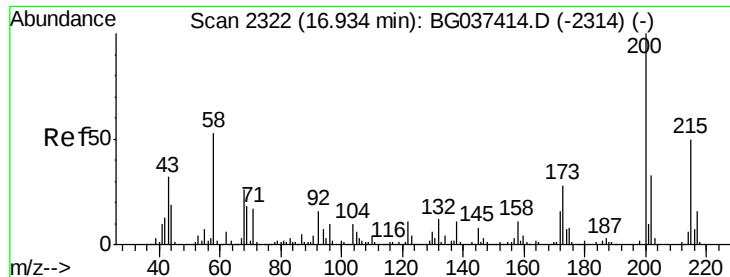
Abundance

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

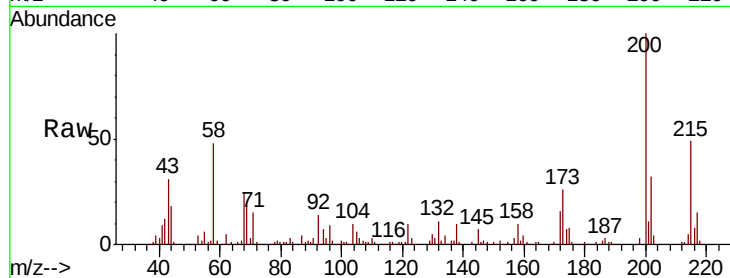




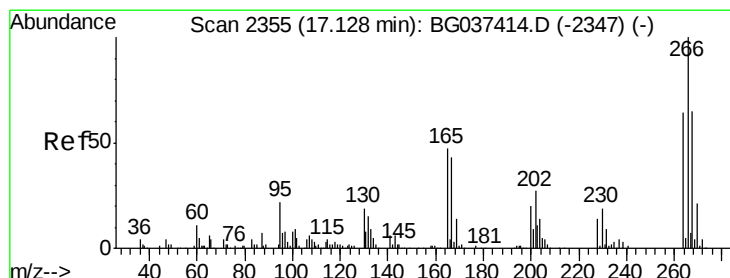
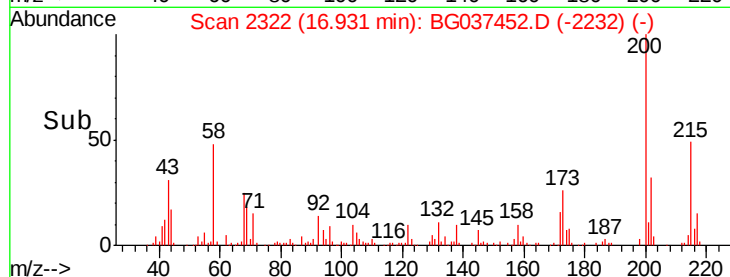
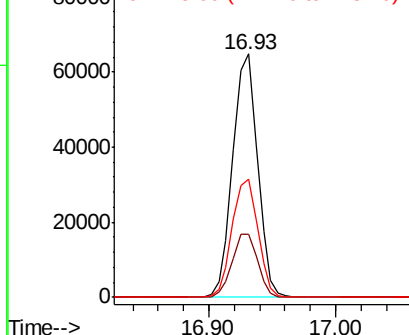
#69
 Atrazine
 Concen: 20.397 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL-02-QT4-2018

Tgt Ion:200 Resp: 88004
 Ion Ratio Lower Upper
 200 100
 173 25.9 6.1 46.1
 215 48.8 30.8 70.8

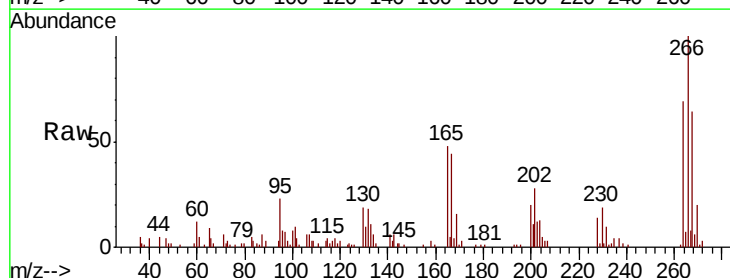


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

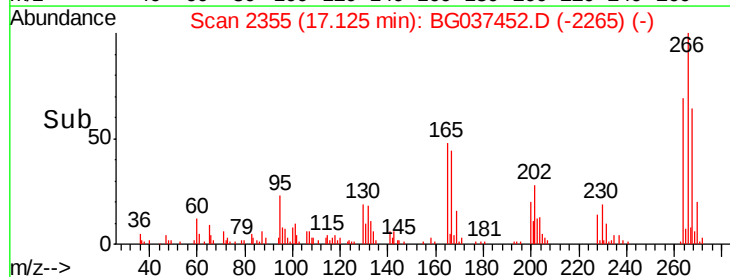
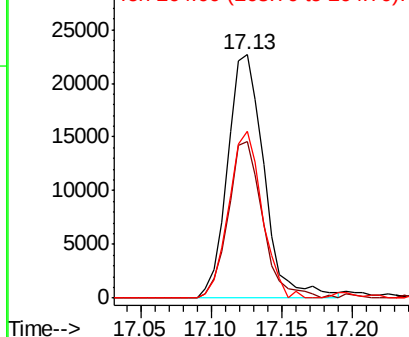


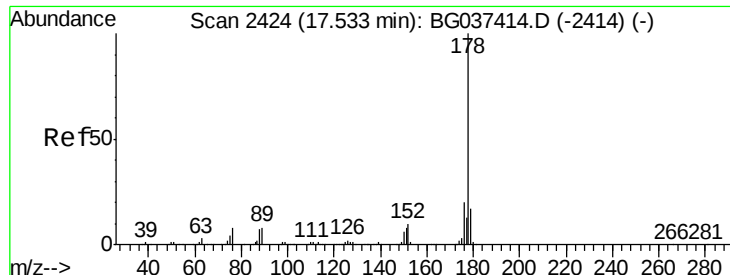
#70
 Pentachlorophenol
 Concen: 13.506 ng
 RT: 17.13 min Scan# 2355
 Delta R.T. -0.00 min
 Lab File: BG037452.D
 Acq: 19 Oct 2018 14:00

Tgt Ion:266 Resp: 40850
 Ion Ratio Lower Upper
 266 100
 268 69.9 55.0 82.6
 264 75.2 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

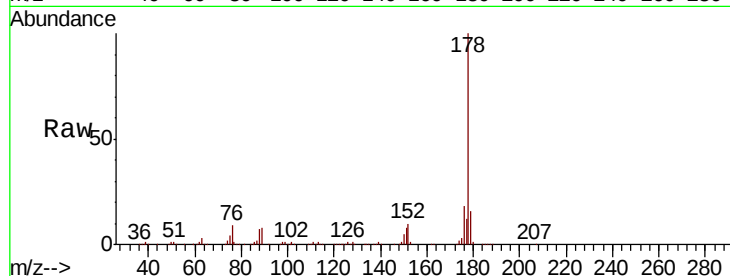




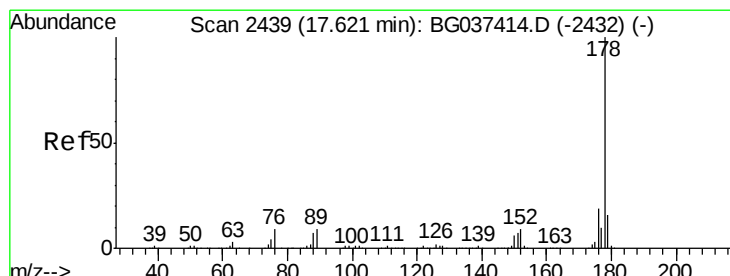
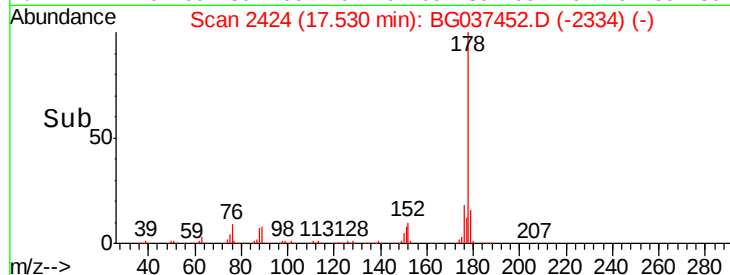
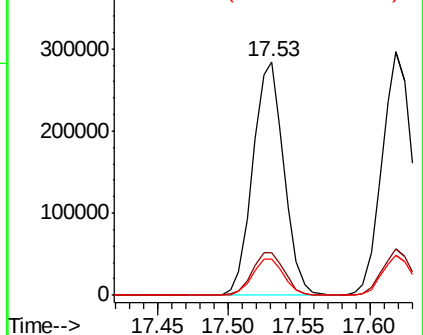
#71
Phenanthrene
Concen: 21.770 ng
RT: 17.53 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:178 Resp: 438945
Ion Ratio Lower Upper
178 100
176 18.4 16.1 24.1
179 15.6 13.0 19.4

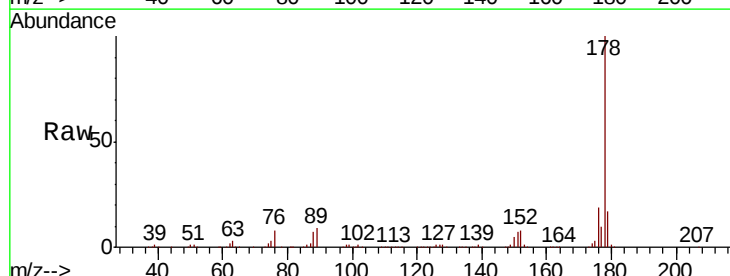


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

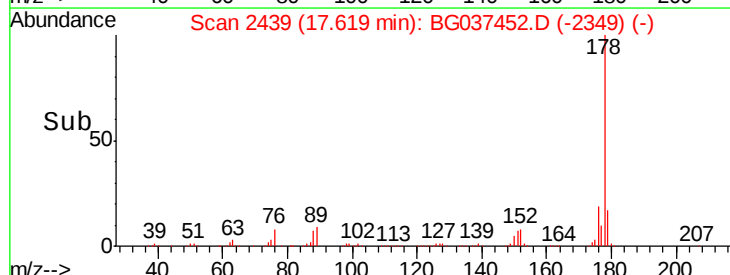
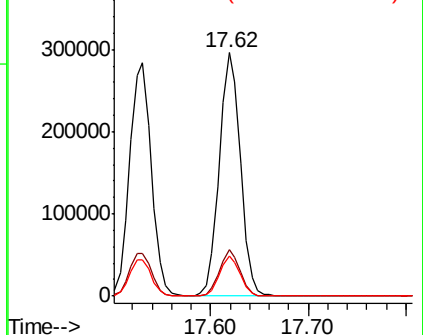


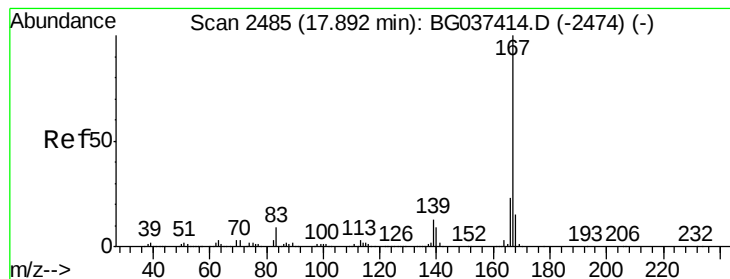
#72
Anthracene
Concen: 22.471 ng
RT: 17.62 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:178 Resp: 444639
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 16.6 12.8 19.2



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





#73

Carbazole

Concen: 20.236 ng

RT: 17.89 min Scan# 2485

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

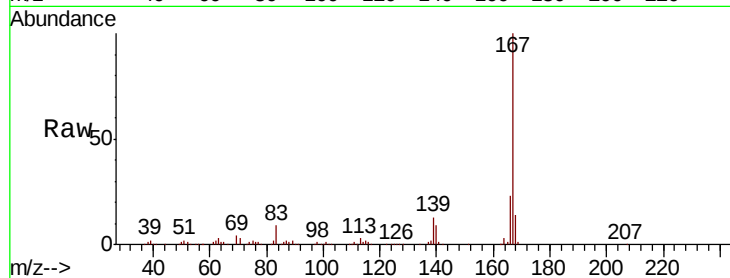
Tgt Ion:167 Resp: 400536

Ion Ratio Lower Upper

167 100

166 22.6 18.3 27.5

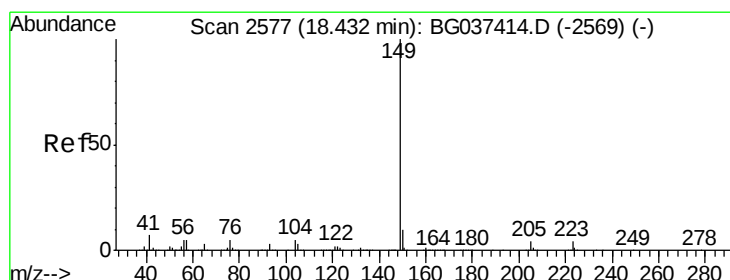
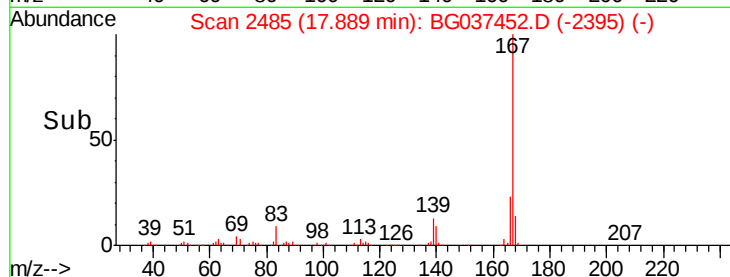
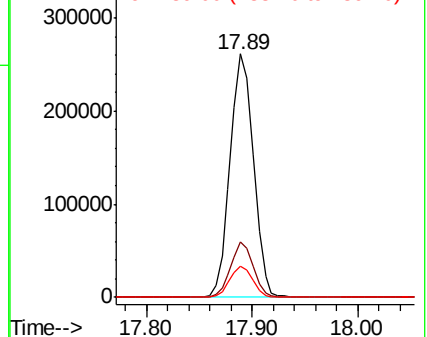
139 12.6 10.5 15.7



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: 21.578 ng

RT: 18.43 min Scan# 2577

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

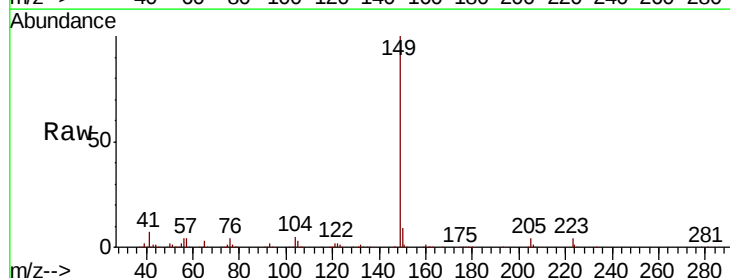
Tgt Ion:149 Resp: 475098

Ion Ratio Lower Upper

149 100

150 9.2 8.2 12.2

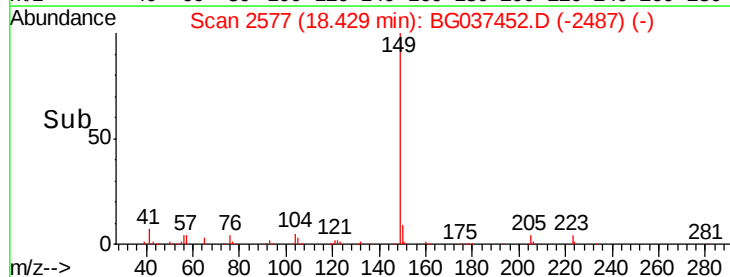
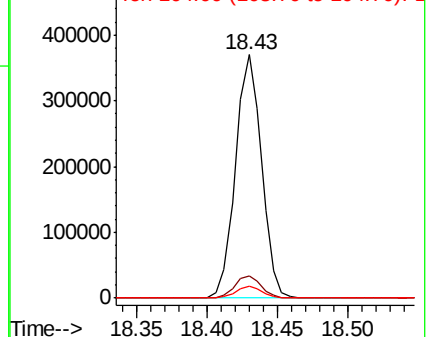
104 4.9 4.0 6.0



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: 22.372 ng

RT: 19.53 min Scan# 2765

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

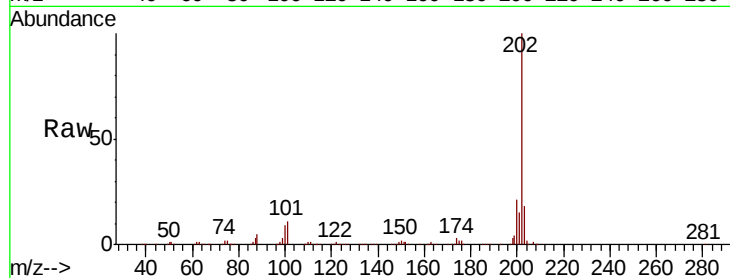
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

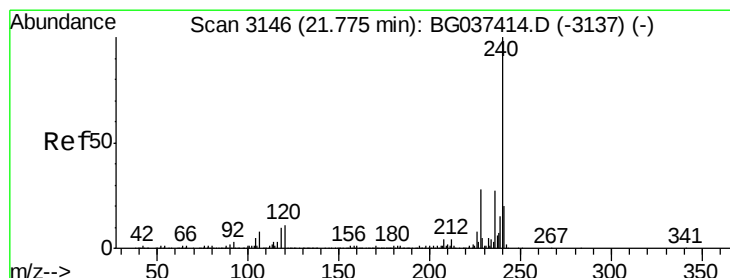
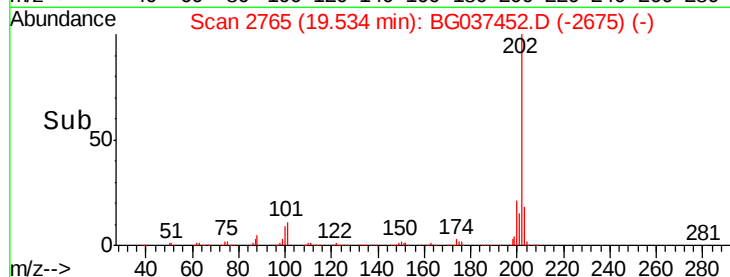
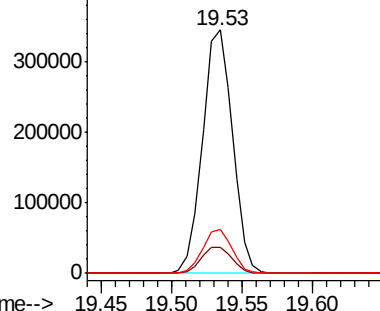
Tgt Ion:	202	Resp:	511616
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	18.1	0.0	38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

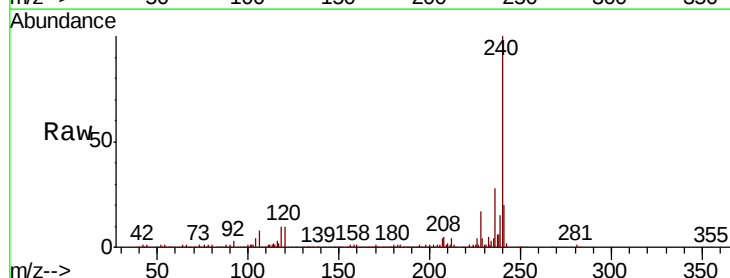
RT: 21.77 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

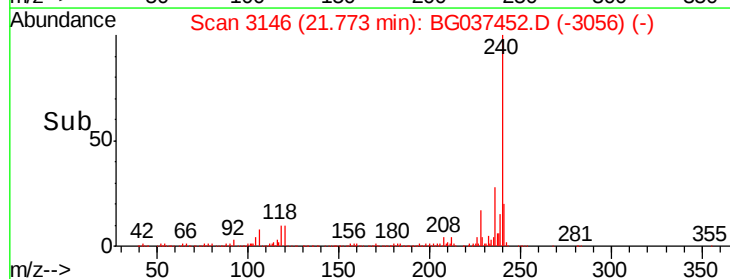
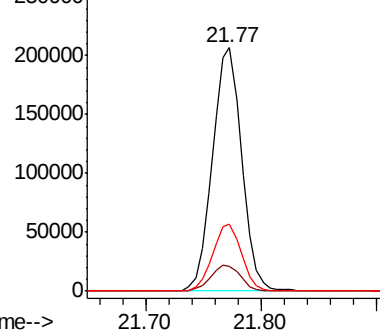
Tgt Ion:	240	Resp:	362661
Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.1	12.1
236	27.7	21.4	32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.266 ng

RT: 19.72 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

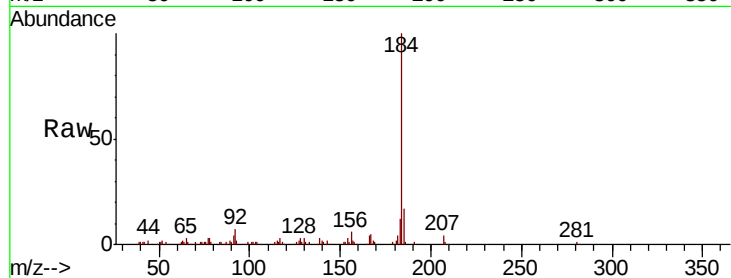
Tgt Ion:184 Resp: 89606

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

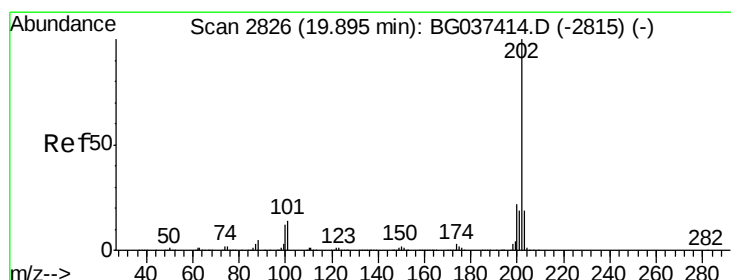
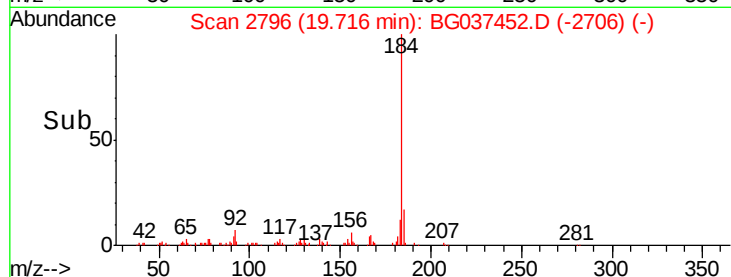
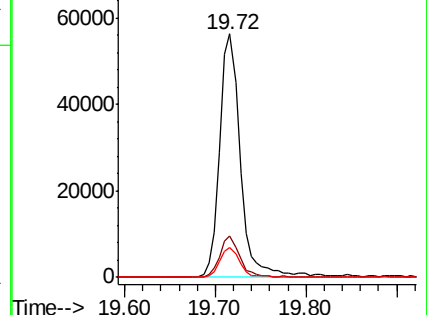
183 12.2 10.2 15.2



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: 21.767 ng

RT: 19.89 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

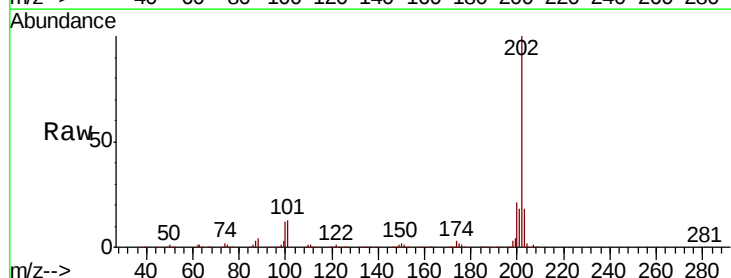
Tgt Ion:202 Resp: 516039

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

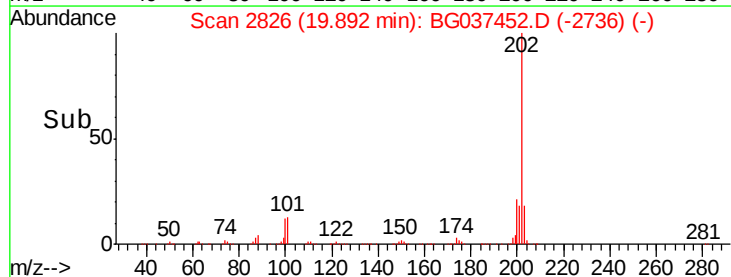
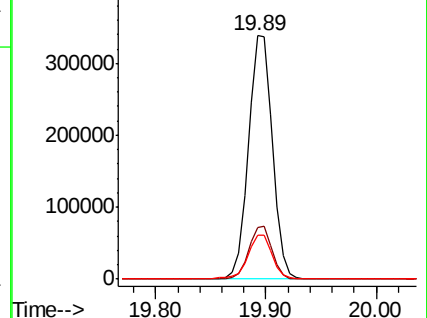
203 18.1 15.2 22.8



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: 77.928 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

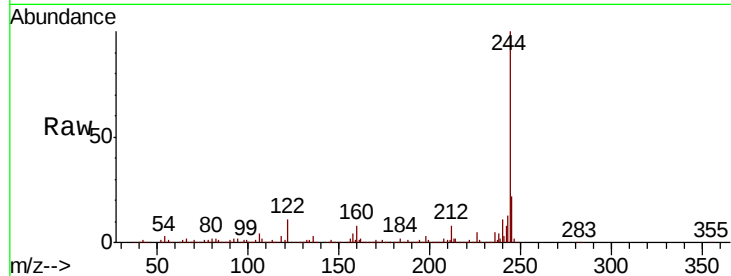
Tgt Ion:244 Resp: 1322622

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

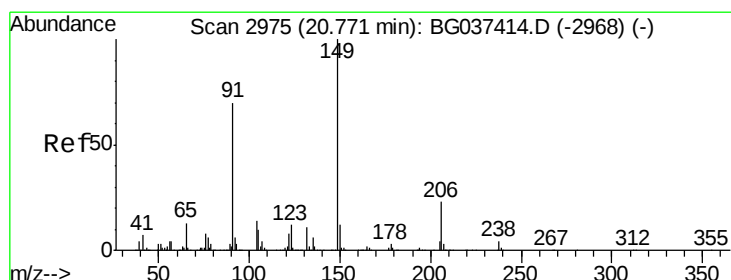
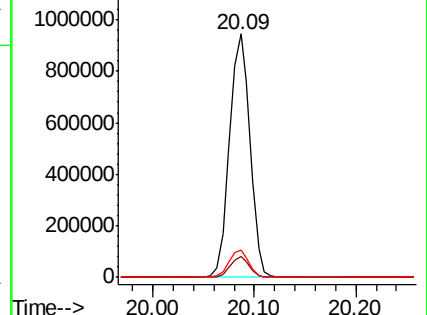
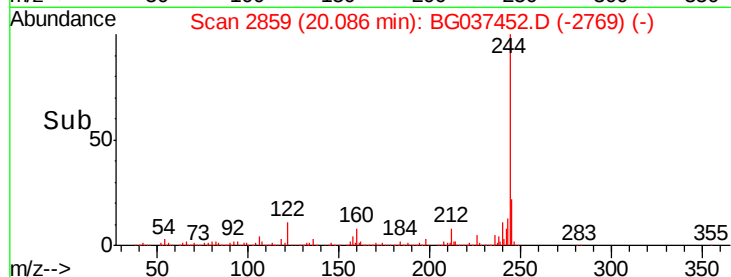
122 11.0 9.0 13.4



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: 20.584 ng

RT: 20.77 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

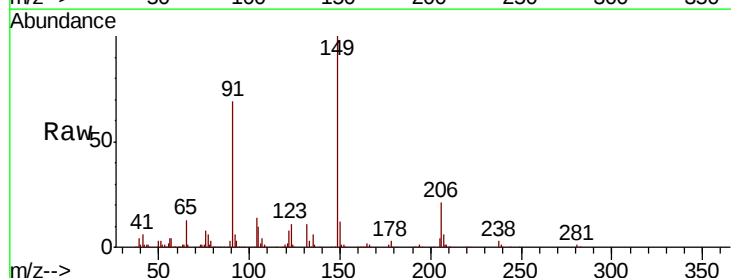
Tgt Ion:149 Resp: 199717

Ion Ratio Lower Upper

149 100

91 68.7 57.0 85.4

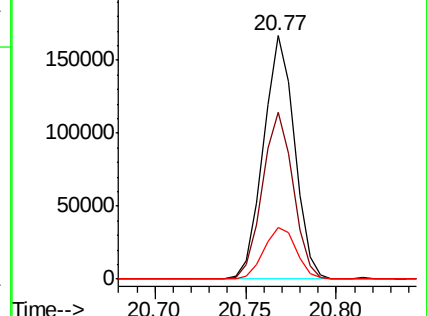
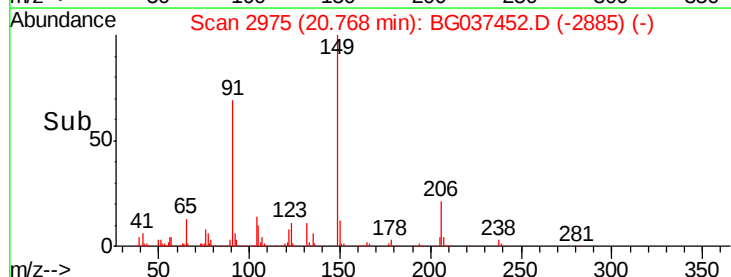
206 21.3 17.8 26.6

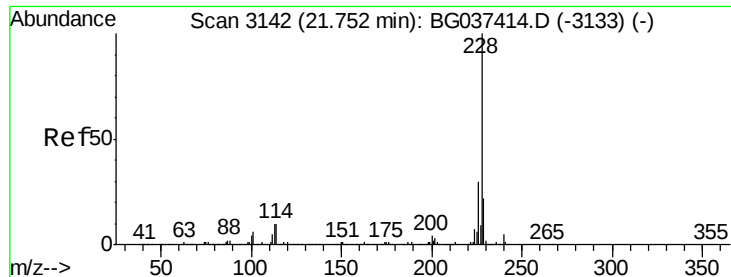


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E

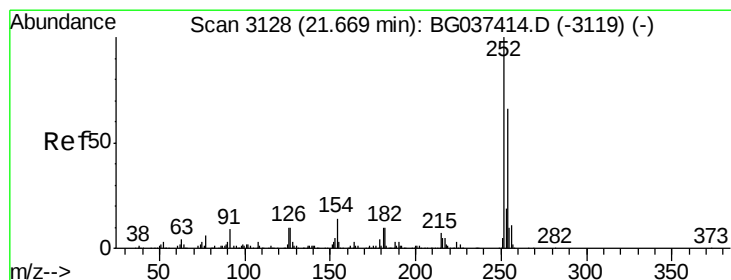
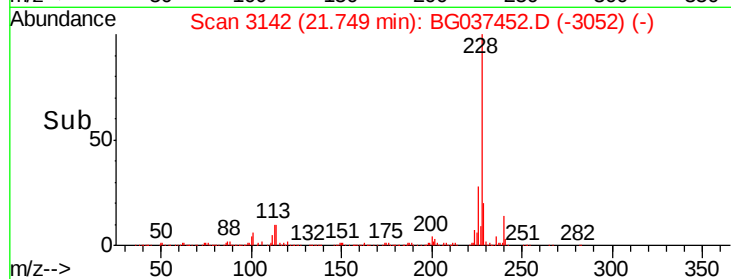
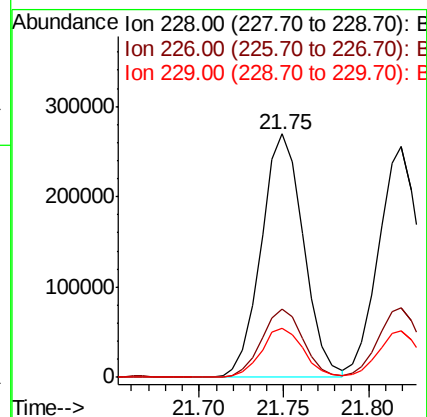
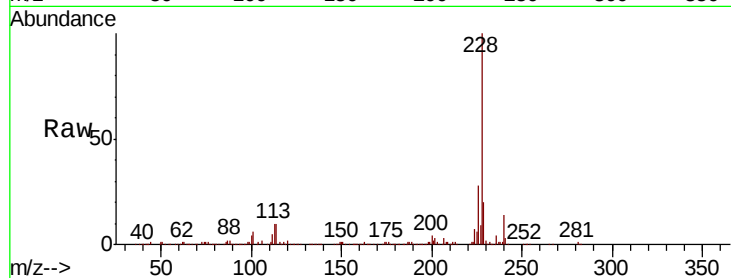




#81
Benzo(a)anthracene
Concen: 21.845 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

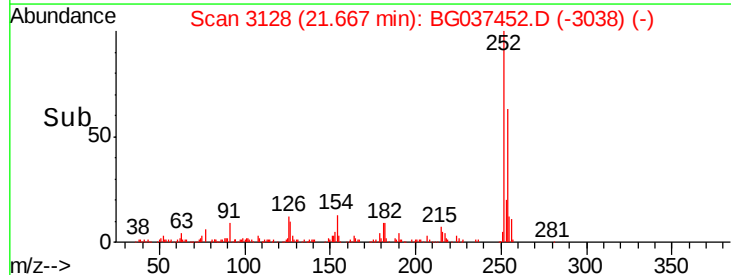
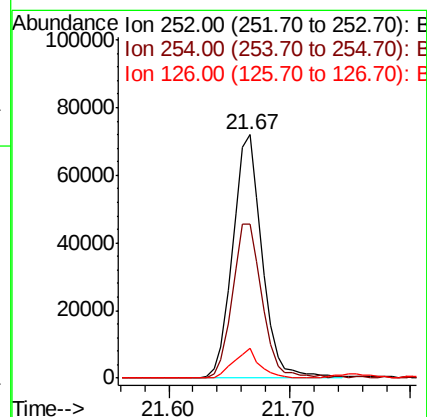
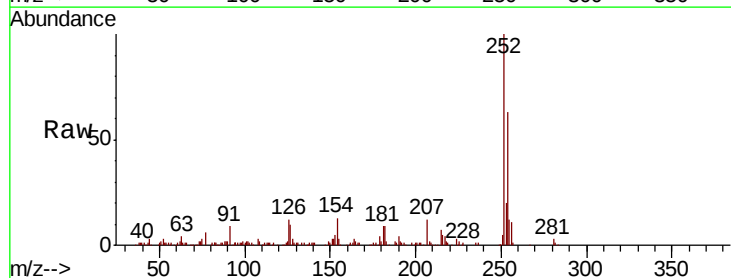
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

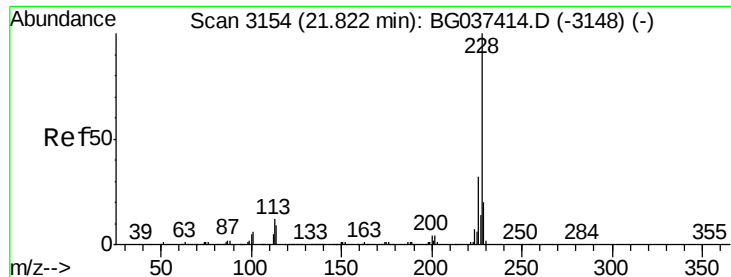
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.3	16.3	24.5



#82
3,3'-Dichlorobenzidine
Concen: 14.636 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	52.0	78.0
126	12.4	8.2	12.4





#83

Chrysene

Concen: 21.315 ng

RT: 21.82 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

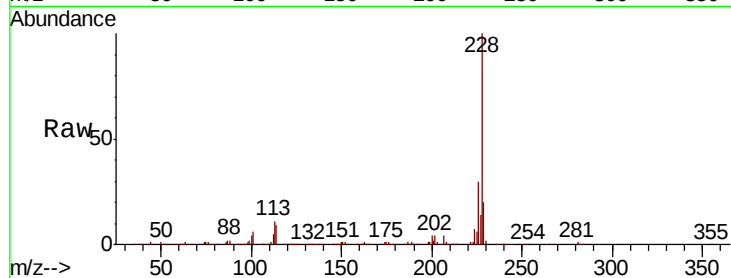
Tgt Ion:228 Resp: 439649

Ion Ratio Lower Upper

228 100

226 30.3 25.7 38.5

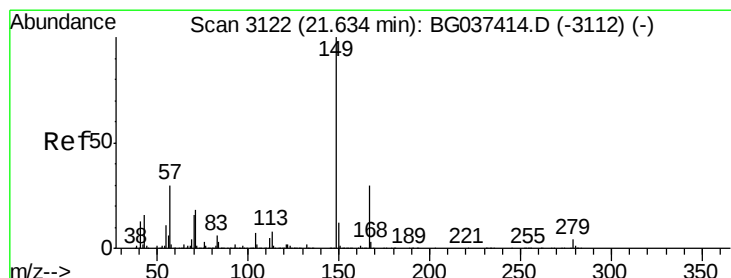
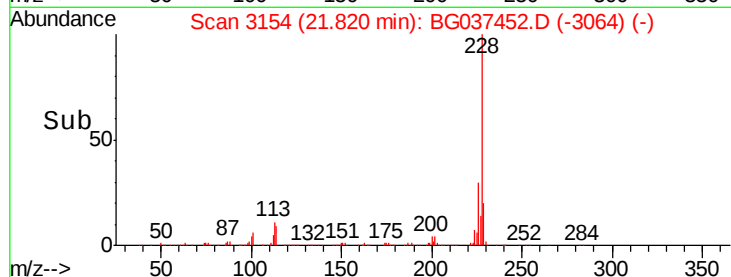
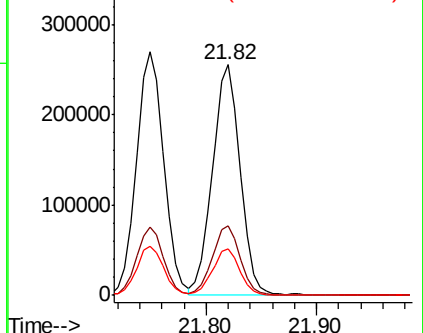
229 20.3 16.5 24.7



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: 20.483 ng

RT: 21.63 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

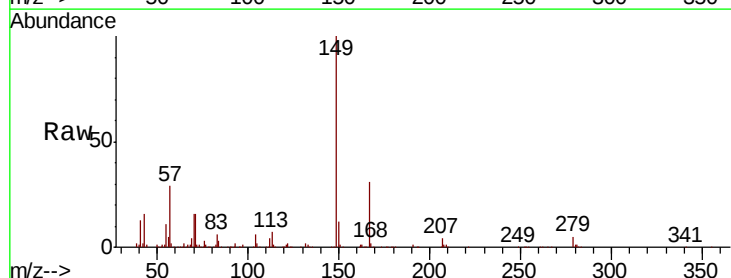
Tgt Ion:149 Resp: 278579

Ion Ratio Lower Upper

149 100

167 30.6 23.0 34.4

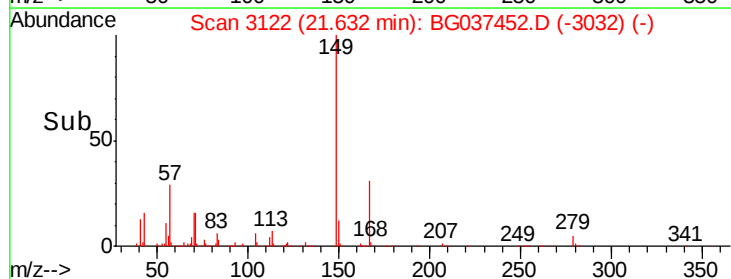
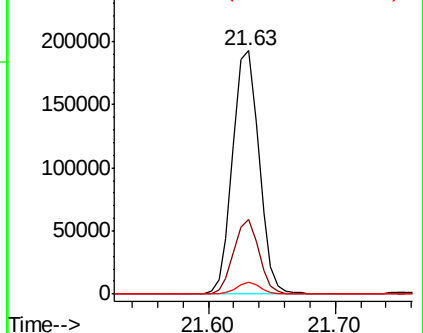
279 4.7 3.6 5.4



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

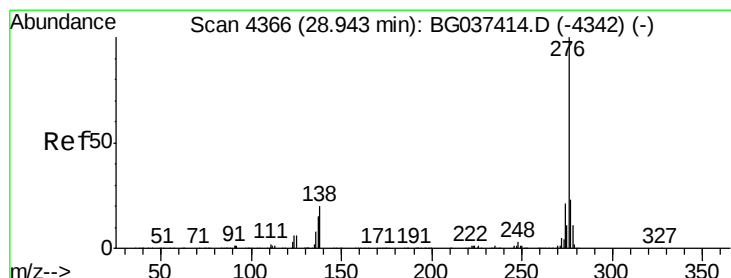
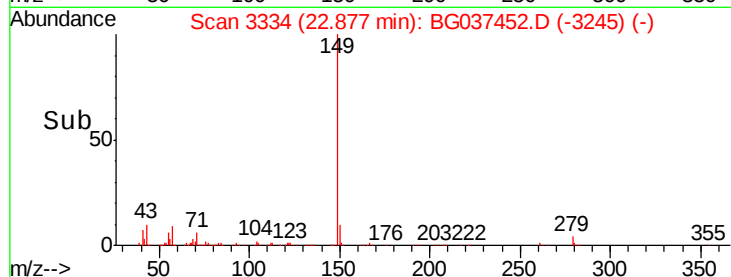
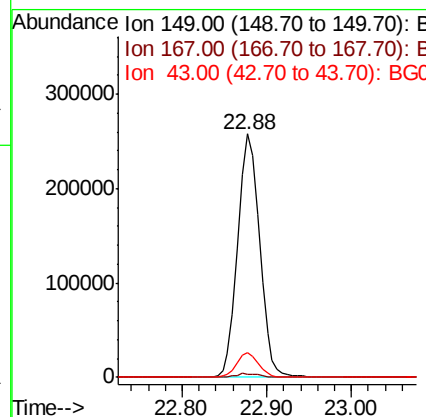
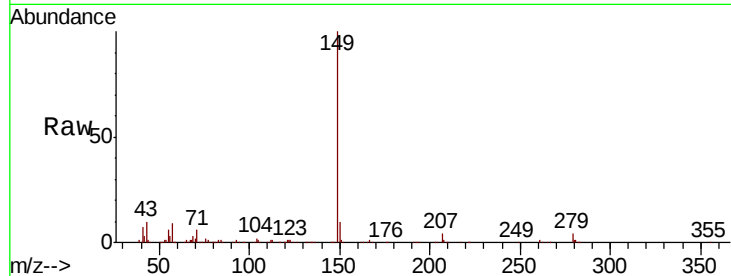




#85
Di-n-octyl phthalate
Concen: 20.825 ng
RT: 22.88 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

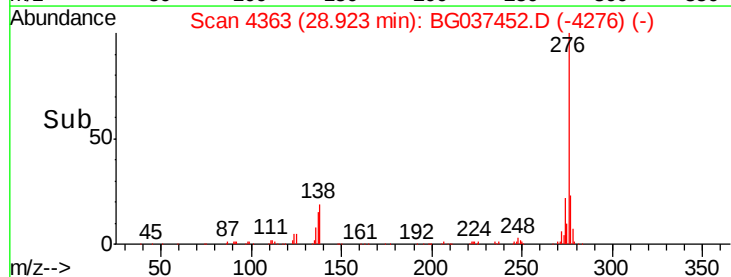
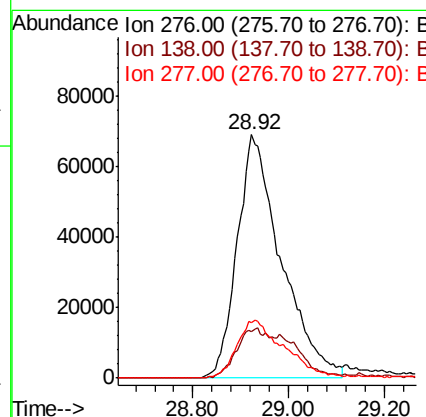
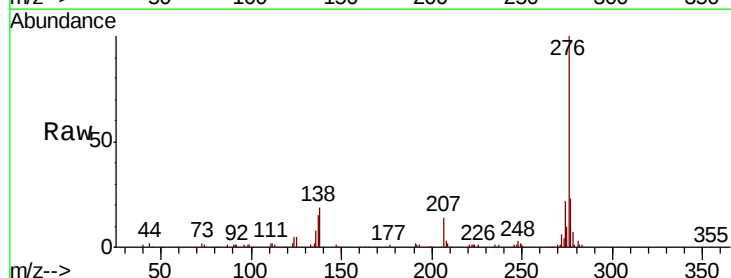
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

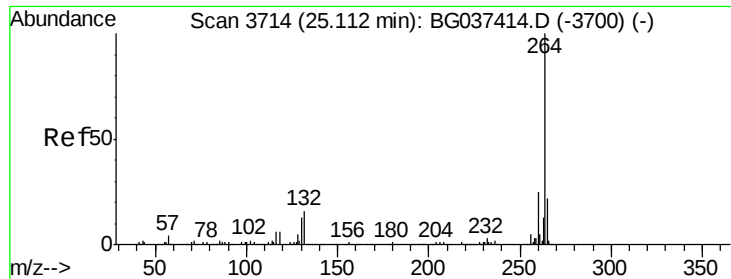
Tgt Ion:149 Resp: 461855
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.9 8.7 13.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 19.883 ng
RT: 28.92 min Scan# 4363
Delta R.T. -0.02 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:276 Resp: 439875
Ion Ratio Lower Upper
276 100
138 15.8 12.0 18.0
277 25.6 20.6 30.8

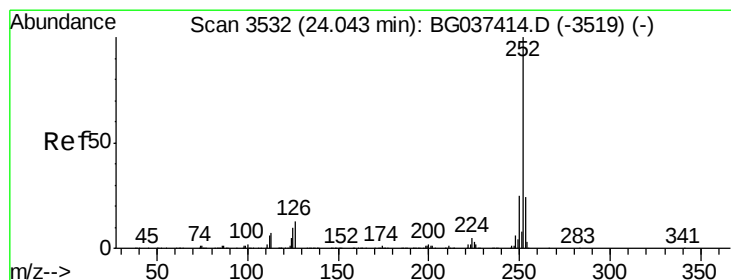
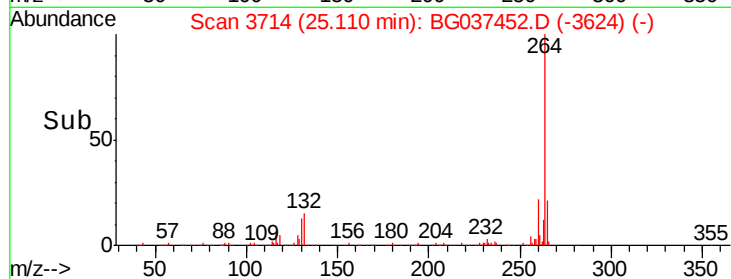
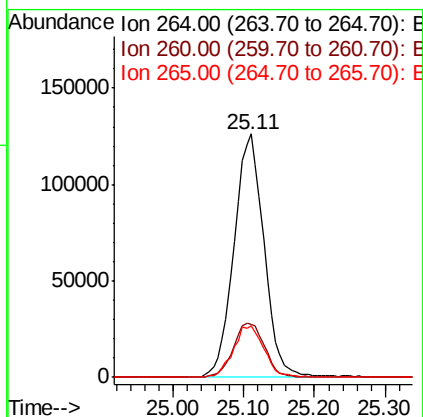
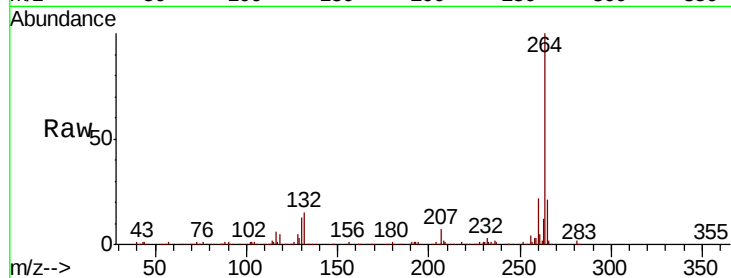




#87
Perylene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3714
Delta R.T. -0.00 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

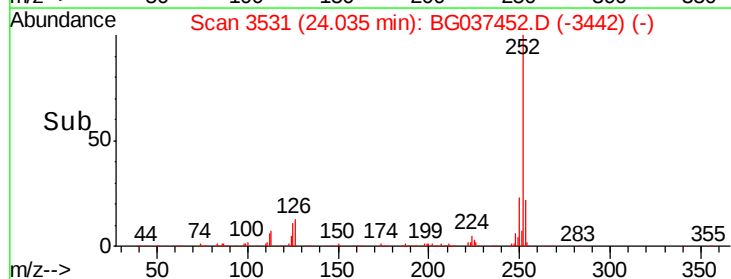
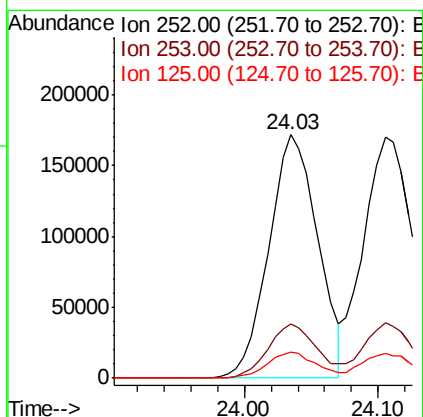
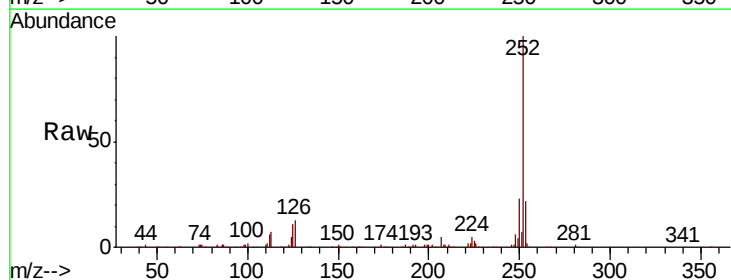
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL-02-QT4-2018

Tgt Ion:264 Resp: 373007
Ion Ratio Lower Upper
264 100
260 21.8 18.2 27.4
265 21.1 17.9 26.9



#88
Benzo(b)fluoranthene
Concen: 21.387 ng
RT: 24.03 min Scan# 3531
Delta R.T. -0.01 min
Lab File: BG037452.D
Acq: 19 Oct 2018 14:00

Tgt Ion:252 Resp: 437362
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 10.7 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 22.213 ng

RT: 24.11 min Scan# 3543

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

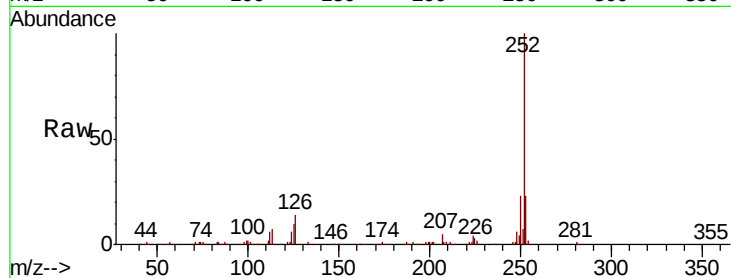
Tgt Ion:252 Resp: 445039

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

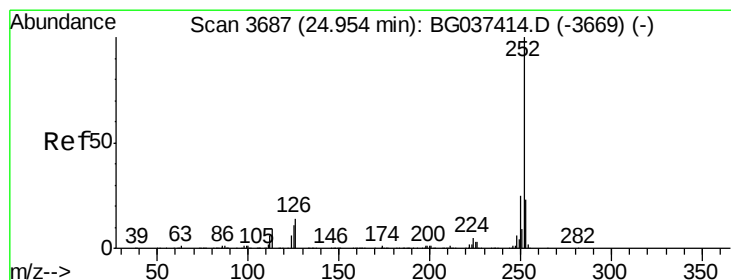
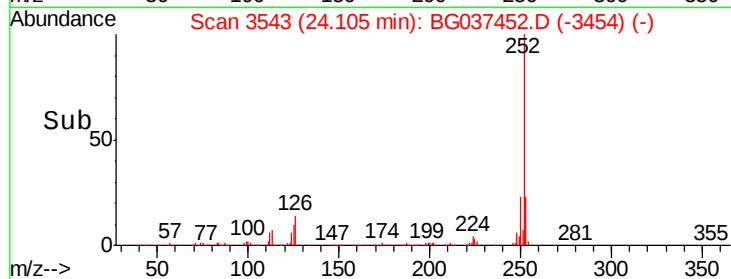
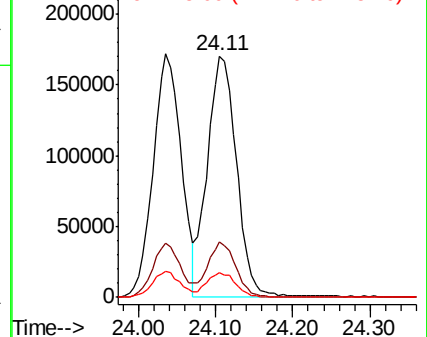
125 10.5 7.4 11.0



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: 22.092 ng

RT: 24.95 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

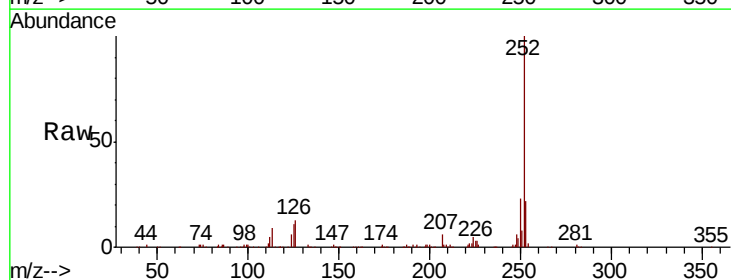
Tgt Ion:252 Resp: 429297

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

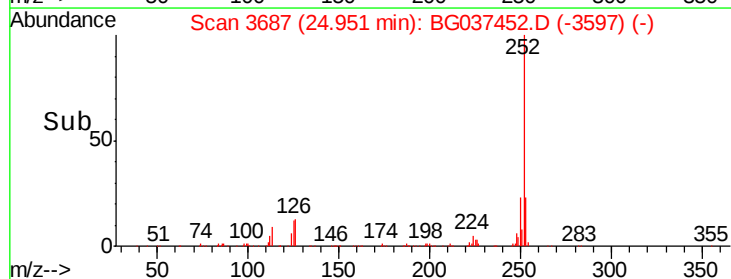
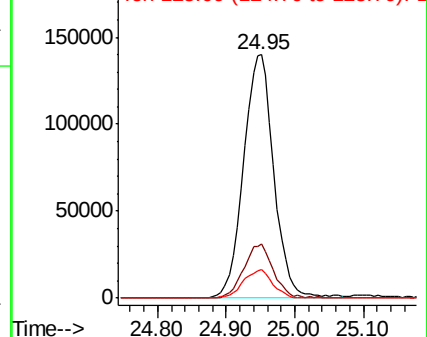
125 11.5 9.0 13.6

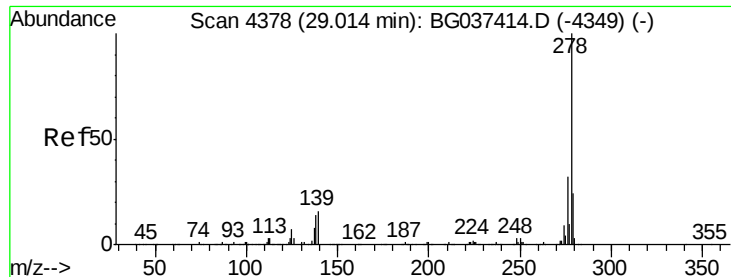


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 20.530 ng

RT: 29.00 min Scan# 4376

Delta R.T. -0.01 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL-02-QT4-2018

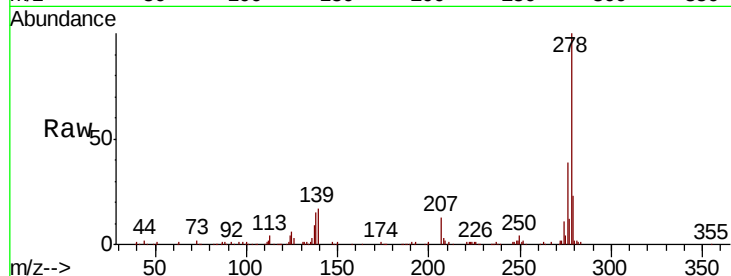
Tgt Ion:278 Resp: 367993

Ion Ratio Lower Upper

278 100

139 16.8 11.5 17.3

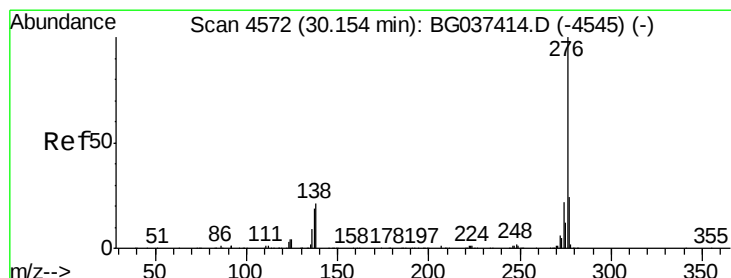
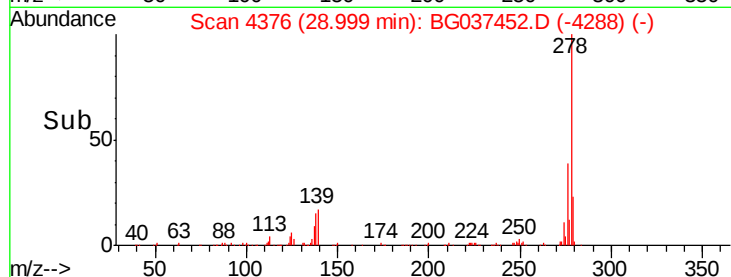
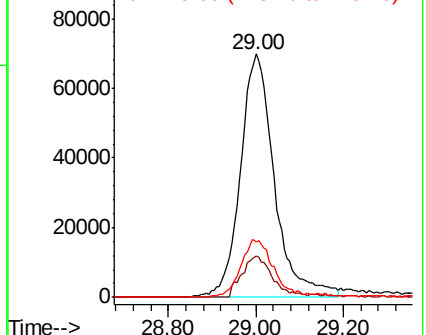
279 22.8 18.6 27.8



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: 20.244 ng

RT: 30.13 min Scan# 4569

Delta R.T. -0.02 min

Lab File: BG037452.D

Acq: 19 Oct 2018 14:00

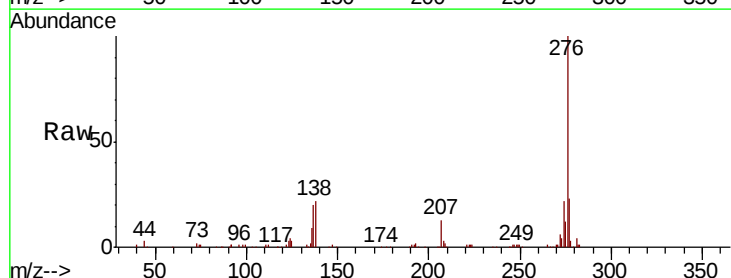
Tgt Ion:276 Resp: 367101

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 21.8 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

