

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
 Data File : BG037087.D
 Acq On : 1 Oct 2018 22:12
 Operator : JU/SJ
 Sample : J5170-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Quant Time: Oct 02 05:32:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 10:41:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	52813	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	217309	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	141673	20.00	ng	0.00
63) Phenanthrene-d10	17.41	188	349985	20.00	ng	0.00
75) Chrysene-d12	21.68	240	358129	20.00	ng	0.00
86) Perylene-d12	24.88	264	366125	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	312886	113.62	ng	0.00
7) Phenol-d6	7.20	99	401375	94.20	ng	0.00
23) Nitrobenzene-d5	9.20	82	323181	79.64	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	201493	118.87	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	695263	73.09	ng	0.00
78) Terphenyl-d14	20.02	244	1219714	89.56	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	43699	34.678	ng	# 78
3) Pyridine	3.93	79	118591	32.593	ng	98
4) n-Nitrosodimethylamine	3.84	42	68867	42.586	ng	# 94
6) Aniline	7.37	93	86464	15.640	ng	99
8) 2-Chlorophenol	7.61	128	134708	42.128	ng	95
9) Benzaldehyde	7.18	77	72969	25.918	ng	97
10) Phenol	7.23	94	150841	34.303	ng	95
11) bis(2-Chloroethyl)ether	7.46	93	146215	35.947	ng	99
12) 1,3-Dichlorobenzene	7.93	146	139135	35.492	ng	99
13) 1,4-Dichlorobenzene	8.07	146	144376	35.988	ng	99
14) 1,2-Dichlorobenzene	8.39	146	135711	34.908	ng	95
15) Benzyl Alcohol	8.28	79	123128	35.615	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.56	45	289430	37.064	ng	98
17) 2-Methylphenol	8.48	107	116345	37.984	ng	97
18) Hexachloroethane	9.12	117	54649	37.017	ng	97
19) n-Nitroso-di-n-propylamine	8.84	70	124478	35.119	ng	95
20) 3+4-Methylphenols	8.81	107	158354	37.162	ng	98
22) Acetophenone	8.86	105	220302	43.140	ng	96
24) Nitrobenzene	9.25	77	181423	41.865	ng	98
25) Isophorone	9.76	82	350682	47.295	ng	99
26) 2-Nitrophenol	9.96	139	76728	44.420	ng	99
27) 2,4-Dimethylphenol	10.01	122	132307	49.173	ng	99
28) bis(2-Chloroethoxy)methane	10.25	93	200039	43.721	ng	99
29) 2,4-Dichlorophenol	10.49	162	139619	44.763	ng	97
30) 1,2,4-Trichlorobenzene	10.70	180	152341	39.028	ng	99
31) Naphthalene	10.89	128	492521	47.634	ng	99
32) Benzoic acid	10.14	122	15934	12.611	ng	# 81
33) 4-Chloroaniline	11.02	127	13384	2.847	ng	95
34) Hexachlorobutadiene	11.17	225	100951	37.398	ng	96
35) Caprolactam	11.78	113	21568	16.800	ng	96
36) 4-Chloro-3-methylphenol	12.12	107	167635	45.043	ng	97
37) 2-Methylnaphthalene	12.50	142	350708	44.535	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	191315	38.718	ng	99
40) Hexachlorocyclopentadiene	12.84	237	209016	82.247	ng	98

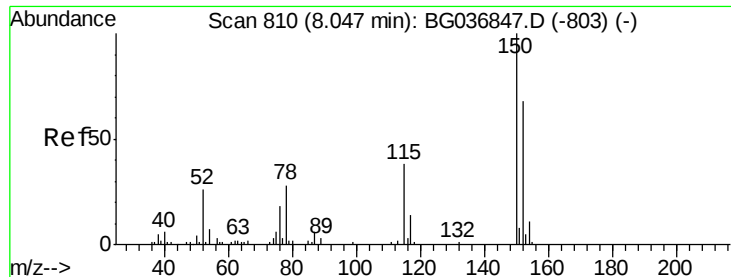
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.10	196	118667	43.247	ng	97
43) 2,4,5-Trichlorophenol	13.17	196	130987	44.769	ng	98
45) 1,1'-Biphenyl	13.50	154	449139	41.395	ng	97
46) 2-Chloronaphthalene	13.54	162	340358	39.889	ng	98
47) 2-Nitroaniline	13.75	65	130125	44.090	ng	95
48) Acenaphthylene	14.39	152	592571	44.318	ng	99
49) Dimethylphthalate	14.12	163	477381	41.862	ng	99
50) 2,6-Dinitrotoluene	14.24	165	105602	42.443	ng	96
51) Acenaphthene	14.73	154	339860	42.057	ng	99
52) 3-Nitroaniline	14.58	138	29925	11.414	ng	95
53) 2,4-Dinitrophenol	14.78	184	36569	36.013	ng	90
54) Dibenzofuran	15.06	168	562058	41.120	ng	99
55) 4-Nitrophenol	14.89	139	123698	73.853	ng	93
56) 2,4-Dinitrotoluene	15.03	165	150847	43.449	ng	95
57) Fluorene	15.71	166	460206	45.045	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.29	232	133631	45.022	ng	99
59) Diethylphthalate	15.48	149	483676	42.052	ng	99
60) 4-Chlorophenyl-phenylether	15.70	204	251630	38.891	ng	99
61) 4-Nitroaniline	15.74	138	113270	41.072	ng	93
62) Azobenzene	16.00	77	486471	44.018	ng	98
64) 4,6-Dinitro-2-methylphenol	15.79	198	54603	29.841	ng	99
65) n-Nitrosodiphenylamine	15.92	169	418300	43.293	ng	96
66) 4-Bromophenyl-phenylether	16.60	248	163481	41.066	ng	98
67) Hexachlorobenzene	16.72	284	165882	40.459	ng	99
68) Atrazine	16.87	200	175950	44.974	ng	100
69) Pentachlorophenol	17.06	266	155701	60.317	ng	97
70) Phenanthrene	17.46	178	778947	46.186	ng	98
71) Anthracene	17.54	178	796214	47.744	ng	100
72) Carbazole	17.81	167	711242	43.742	ng	98
73) Di-n-butylphthalate	18.37	149	829517	45.938	ng	100
74) Fluoranthene	19.46	202	950918	46.840	ng	99
76) Benzidine	19.64	184	167842	15.503	ng	98
77) Pyrene	19.82	202	943575	43.906	ng	99
79) Butylbenzylphthalate	20.70	149	386375	45.105	ng	95
80) Benzo(a)anthracene	21.66	228	927372	44.360	ng	100
81) 3,3'-Dichlorobenzidine	21.57	252	146185	18.371	ng	98
82) Chrysene	21.73	228	887011	43.913	ng	99
83) Bis(2-ethylhexyl)phthalate	21.56	149	539363	45.072	ng	99
84) Di-n-octyl phthalate	22.76	149	907424	46.056	ng	99
85) Indeno(1,2,3-cd)pyrene	28.53	276	1016165	46.848	ng	97
87) Benzo(b)fluoranthene	23.87	252	888297	45.526	ng	97
88) Benzo(k)fluoranthene	23.93	252	917180	46.854	ng	100
89) Benzo(a)pyrene	24.73	252	890033	47.183	ng	99
90) Dibenzo(a,h)anthracene	28.58	278	826914	46.774	ng	98
91) Benzo(g,h,i)perylene	29.66	276	823522	46.414	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 808

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

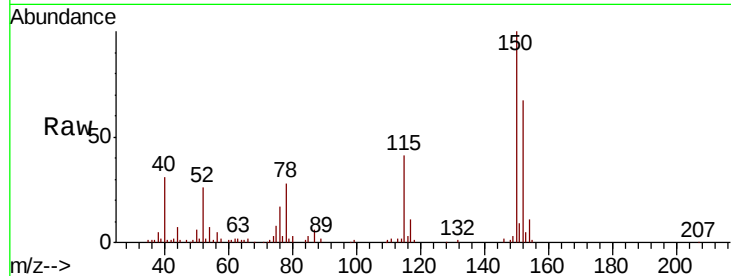
Tgt Ion:152 Resp: 52813

Ion Ratio Lower Upper

152 100

150 149.1 119.5 179.3

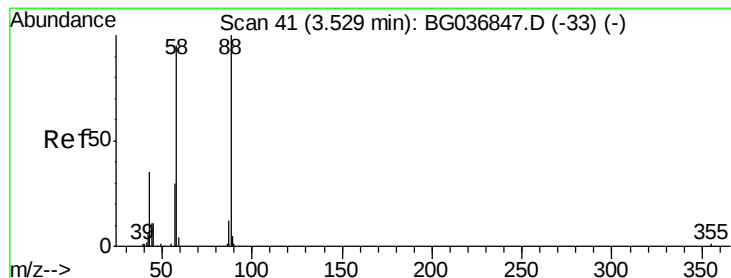
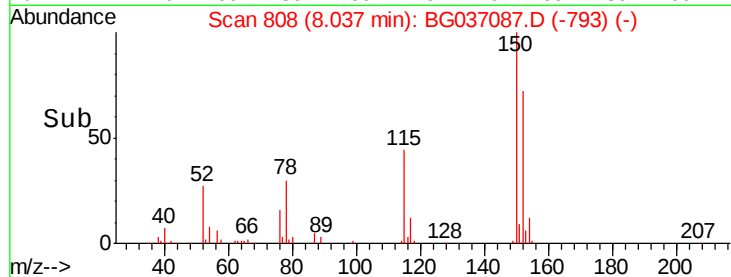
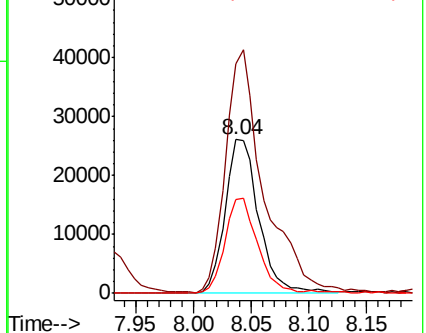
115 61.0 44.5 66.7



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: 34.678 ng

RT: 3.53 min Scan# 41

Delta R.T. 0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

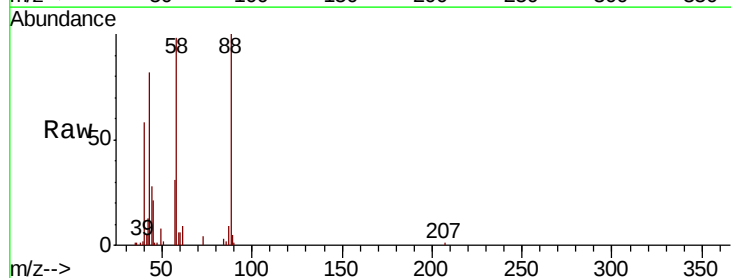
Tgt Ion: 88 Resp: 43699

Ion Ratio Lower Upper

88 100

58 97.5 72.6 109.0

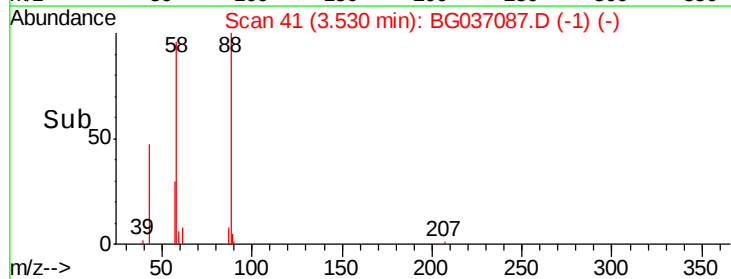
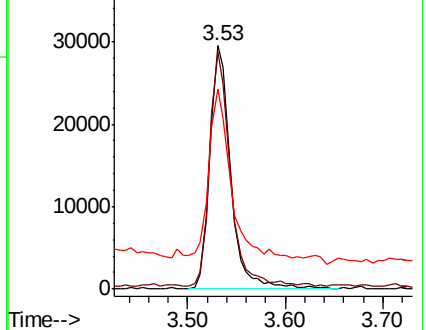
43 72.1 29.0 43.4#

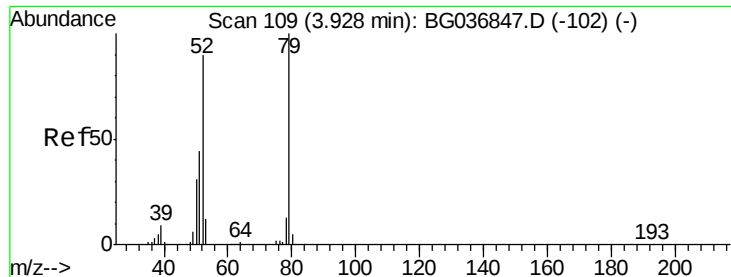


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.593 ng

RT: 3.93 min Scan# 109

Delta R.T. 0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

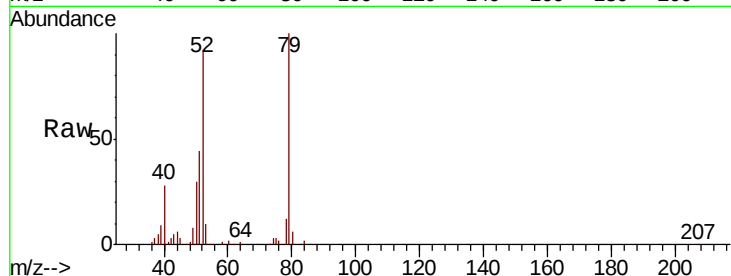
Tgt Ion: 79 Resp: 118591

Ion Ratio Lower Upper

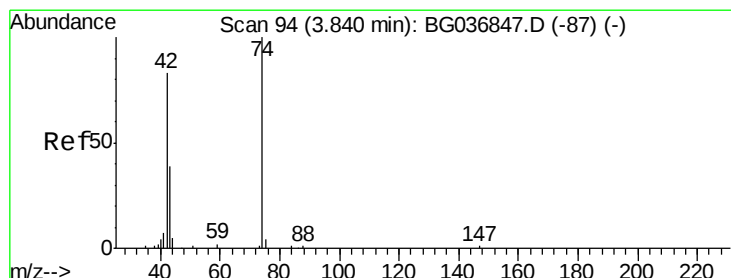
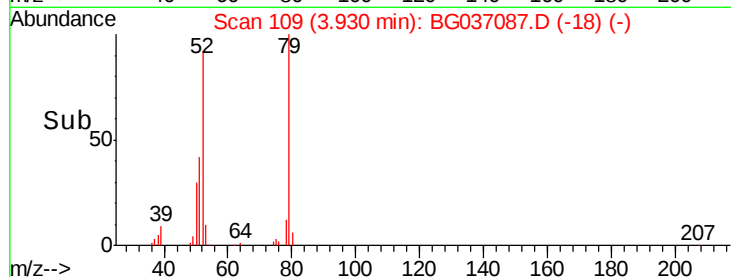
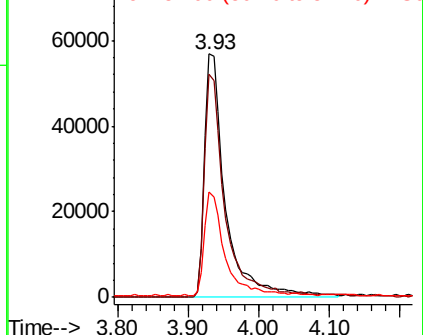
79 100

52 91.6 72.3 108.5

51 43.5 33.8 50.6



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



#4

n-Nitrosodimethylamine

Concen: 42.586 ng

RT: 3.84 min Scan# 93

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

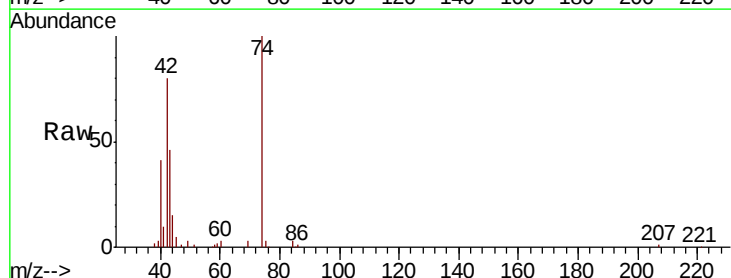
Tgt Ion: 42 Resp: 68867

Ion Ratio Lower Upper

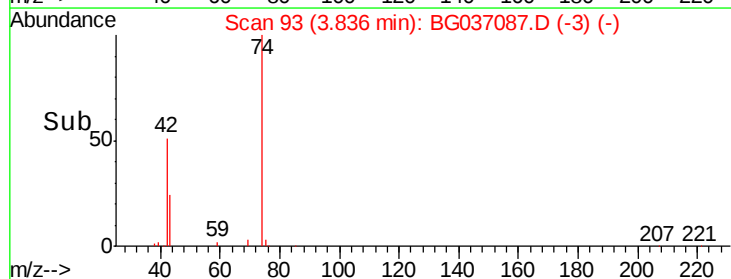
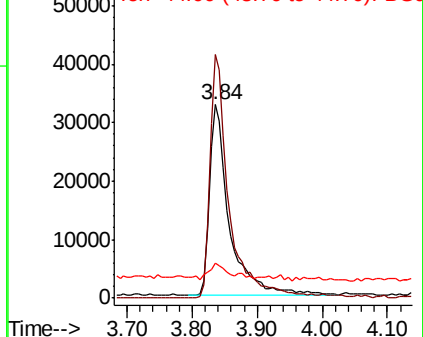
42 100

74 125.8 96.6 145.0

44 18.4 7.0 10.4#



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





#5

2-Fluorophenol

Concen: 113.617 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

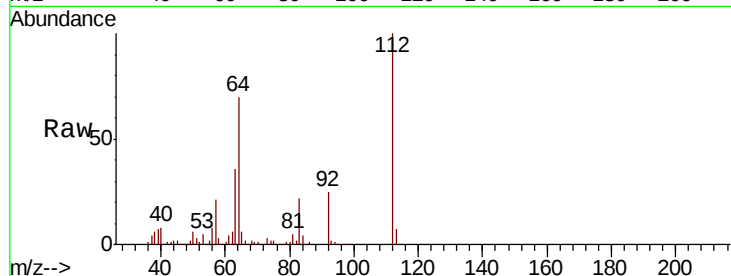
Tgt Ion:112 Resp: 312886

Ion Ratio Lower Upper

112 100

64 70.4 57.2 85.8

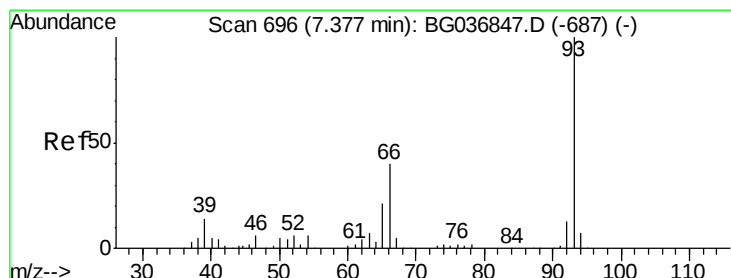
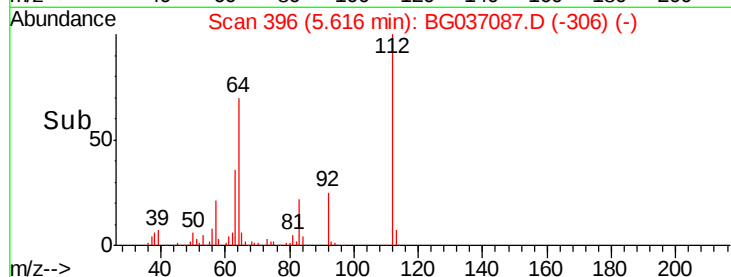
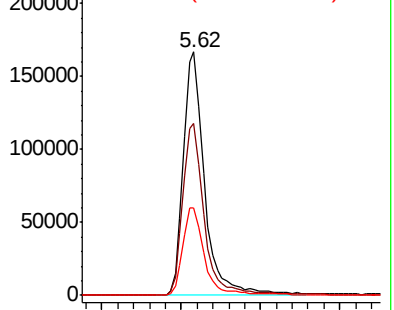
63 35.8 30.8 46.2



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: 15.640 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

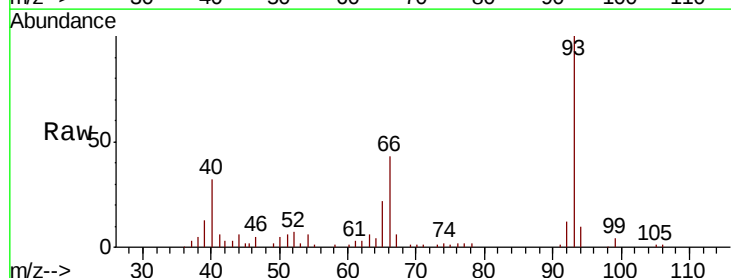
Tgt Ion: 93 Resp: 86464

Ion Ratio Lower Upper

93 100

66 42.7 35.0 52.4

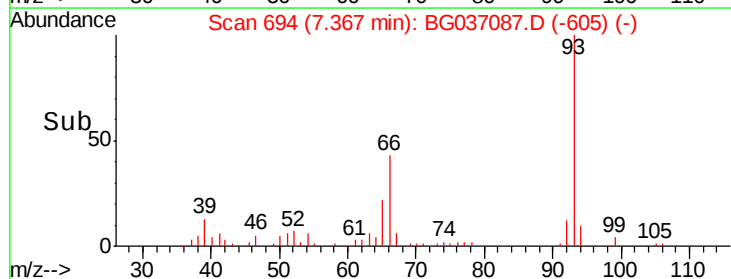
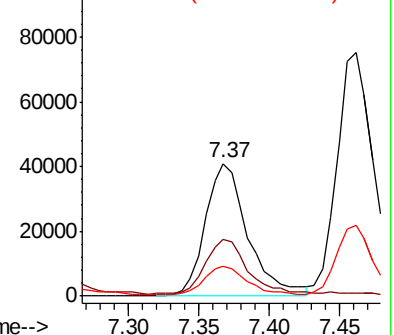
65 22.3 17.6 26.4

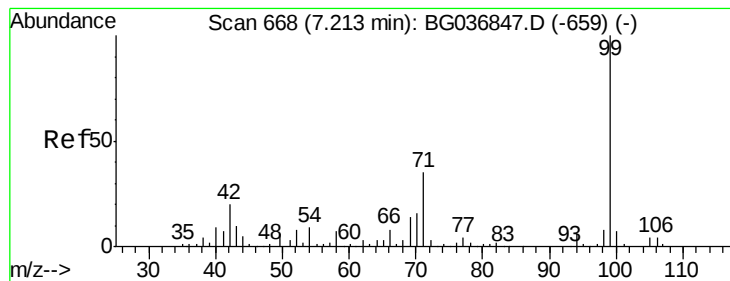


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 94.204 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

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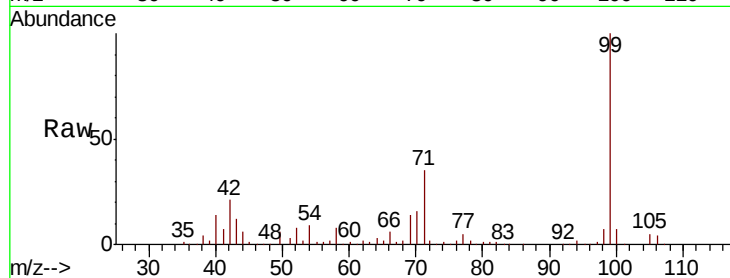
Tgt Ion: 99 Resp: 401375

Ion Ratio Lower Upper

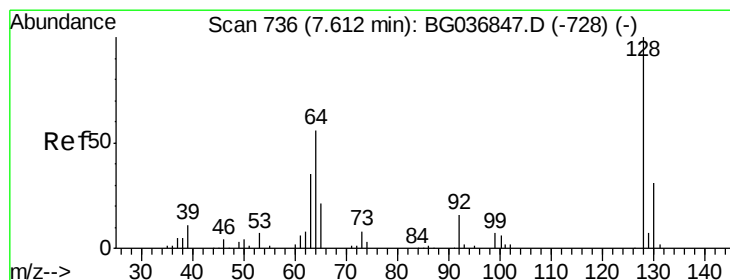
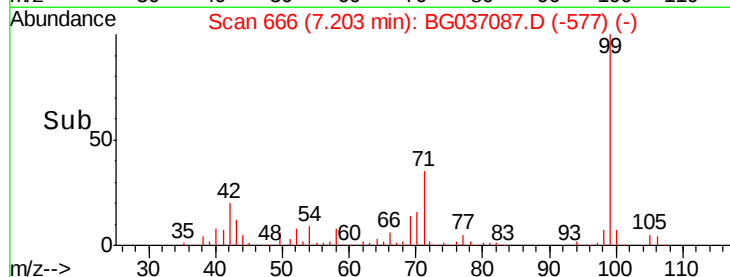
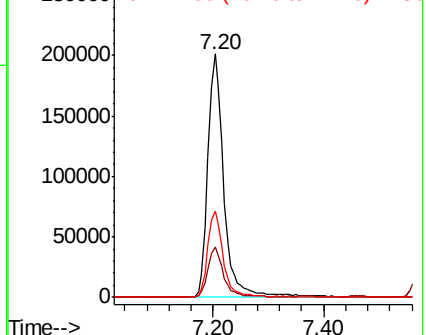
99 100

42 20.6 16.5 24.7

71 35.4 29.4 44.2



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: 42.128 ng

RT: 7.61 min Scan# 735

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

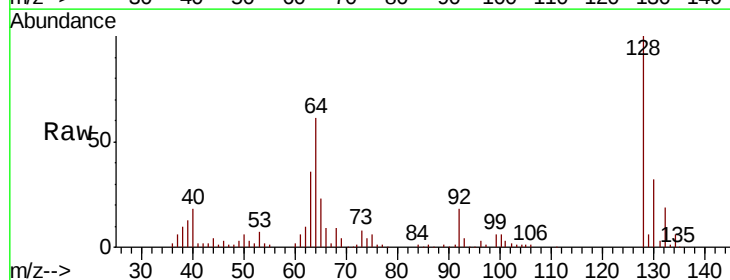
Tgt Ion: 128 Resp: 134708

Ion Ratio Lower Upper

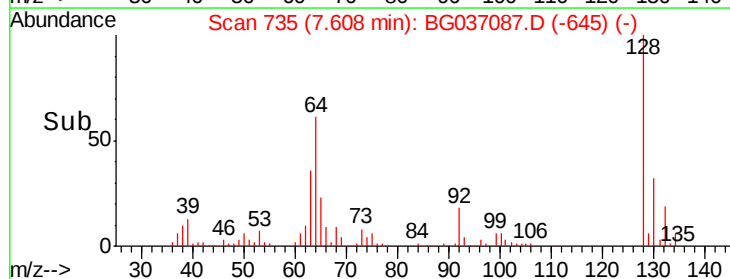
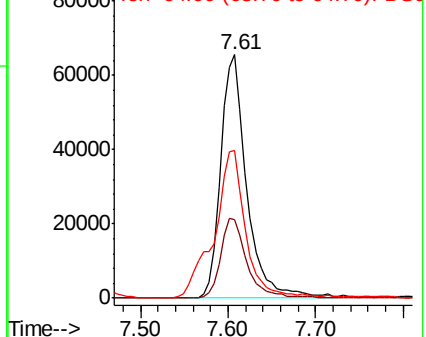
128 100

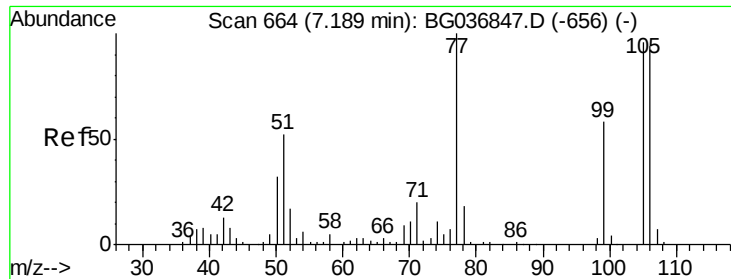
130 32.0 10.0 50.0

64 60.7 36.0 76.0



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





#9

Benzaldehyde

Concen: 25.918 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

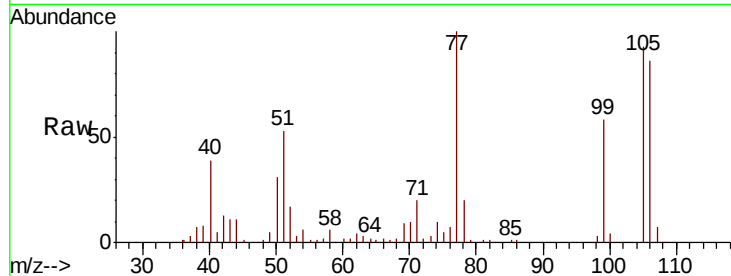
Tgt Ion: 77 Resp: 72969

Ion Ratio Lower Upper

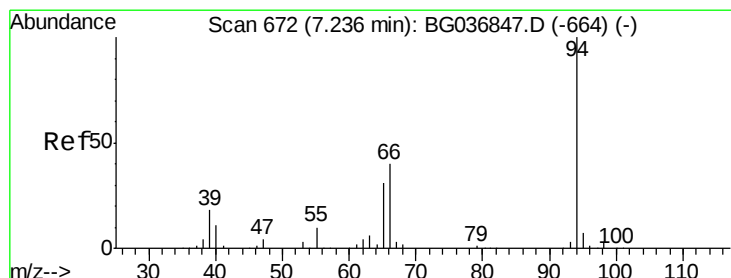
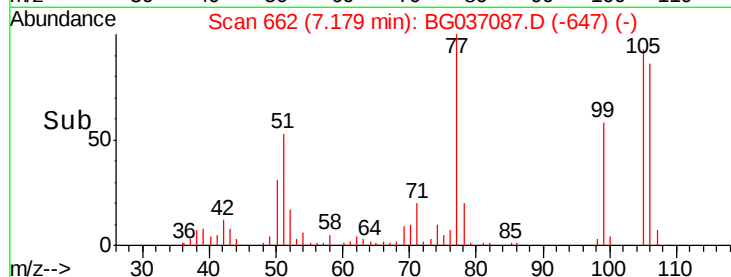
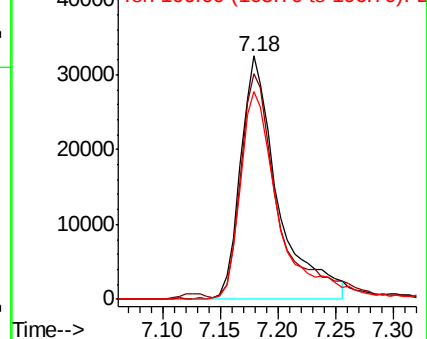
77 100

105 92.5 70.5 110.5

106 85.6 69.8 109.8



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



#10

Phenol

Concen: 34.303 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

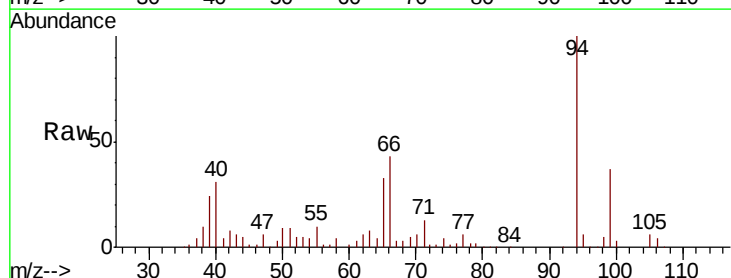
Tgt Ion: 94 Resp: 150841

Ion Ratio Lower Upper

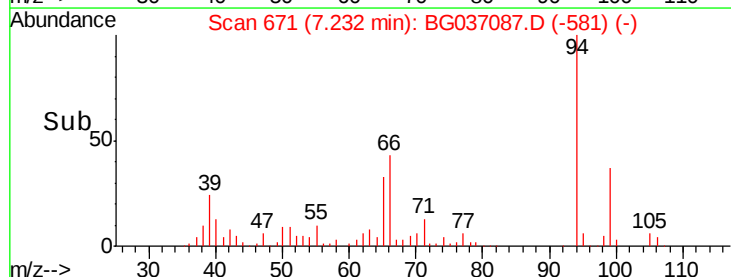
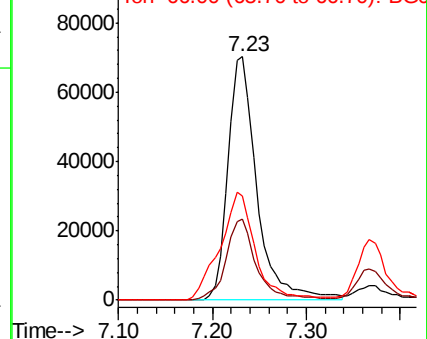
94 100

65 33.3 11.5 51.5

66 42.9 19.5 59.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

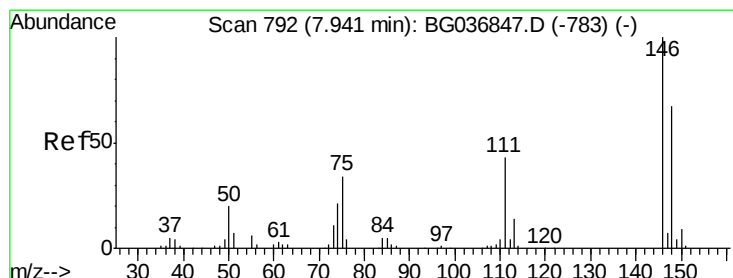
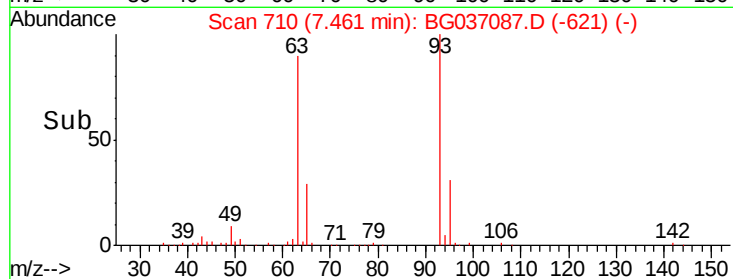
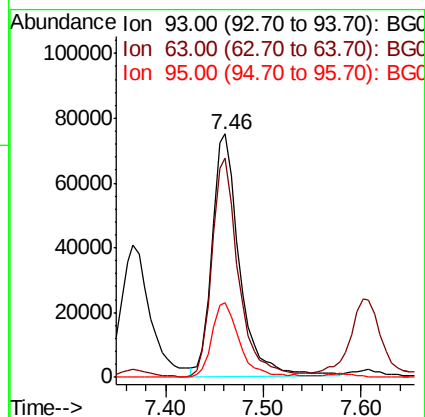
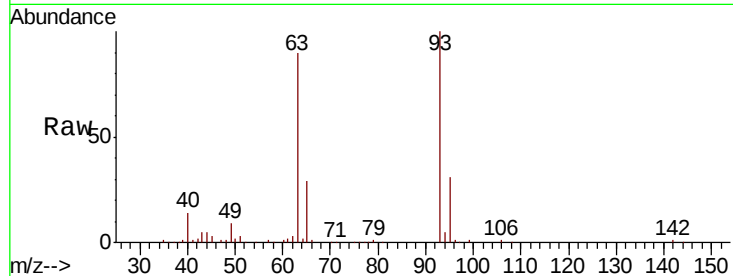




#11
 bis(2-Chloroethyl)ether
 Concen: 35.947 ng
 RT: 7.46 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

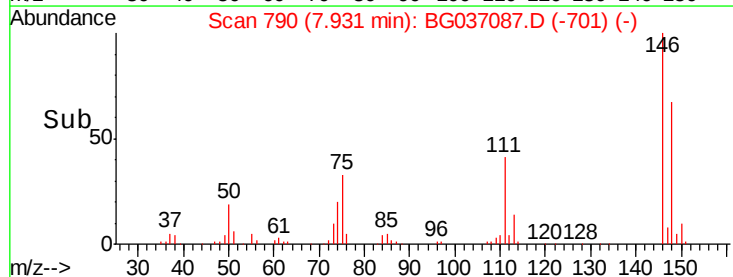
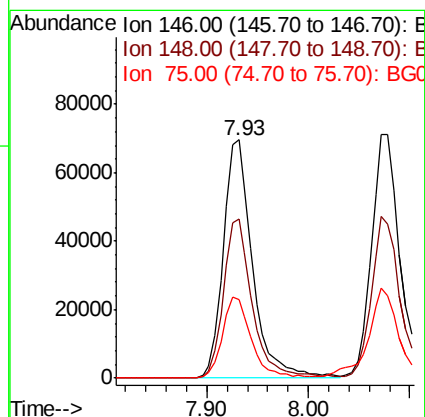
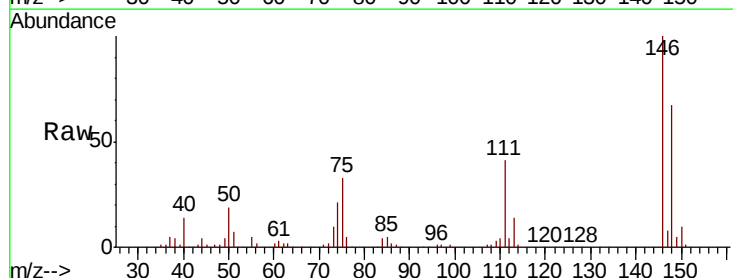
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

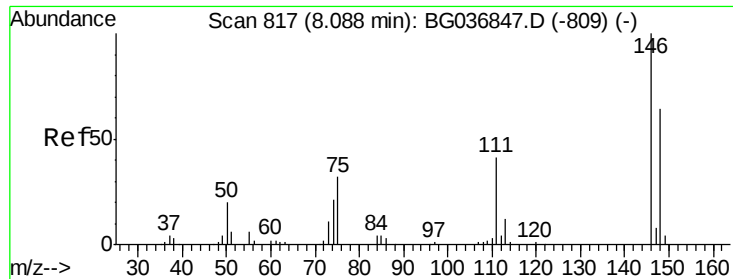
Tgt Ion: 93 Resp: 146215
 Ion Ratio Lower Upper
 93 100
 63 90.3 69.9 109.9
 95 30.9 11.7 51.7



#12
 1,3-Dichlorobenzene
 Concen: 35.492 ng
 RT: 7.93 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion: 146 Resp: 139135
 Ion Ratio Lower Upper
 146 100
 148 66.7 53.8 80.6
 75 33.2 27.2 40.8

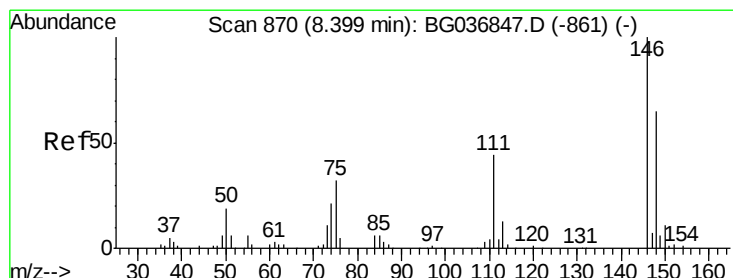
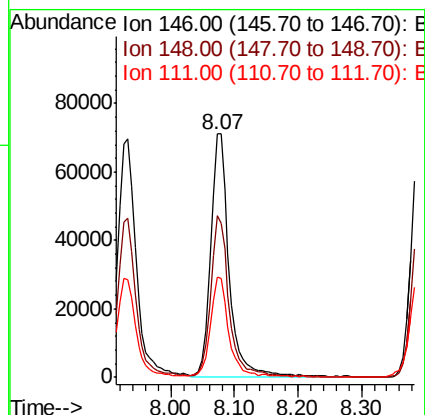
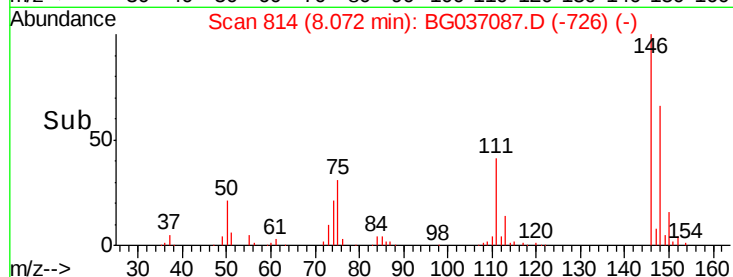
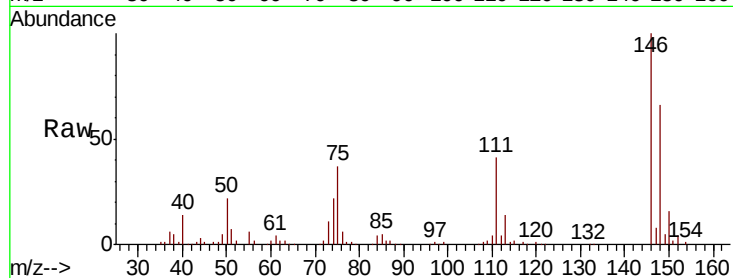




#13
1,4-Dichlorobenzene
Concen: 35.988 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

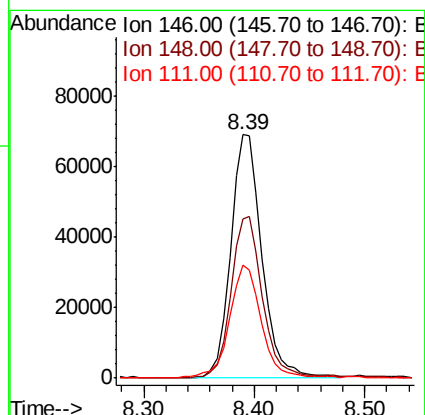
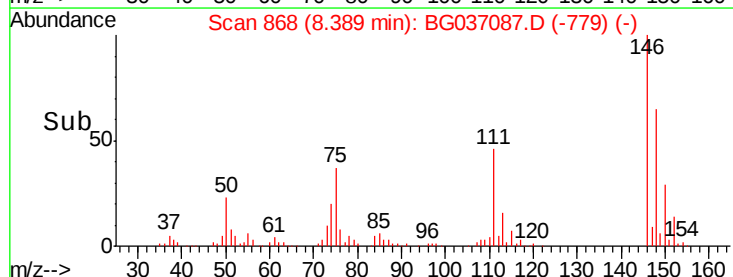
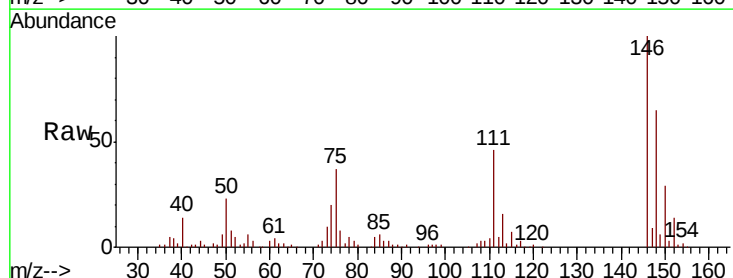
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

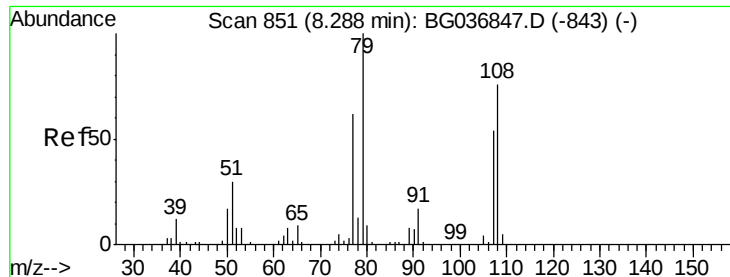
Tgt Ion:146 Resp: 144376
Ion Ratio Lower Upper
146 100
148 66.4 53.9 80.9
111 41.3 33.8 50.6



#14
1,2-Dichlorobenzene
Concen: 34.908 ng
RT: 8.39 min Scan# 868
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:146 Resp: 135711
Ion Ratio Lower Upper
146 100
148 65.1 55.0 82.6
111 46.2 34.6 51.8





#15

Benzyl Alcohol

Concen: 35.615 ng

RT: 8.28 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

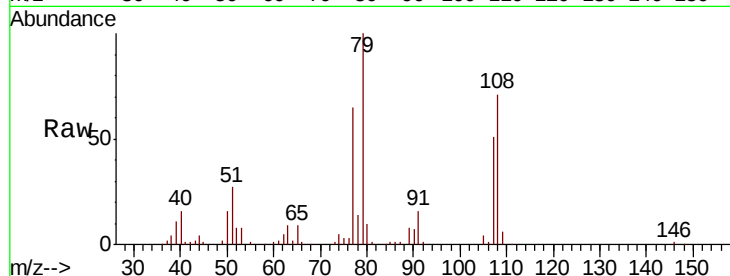
Tgt Ion: 79 Resp: 123128

Ion Ratio Lower Upper

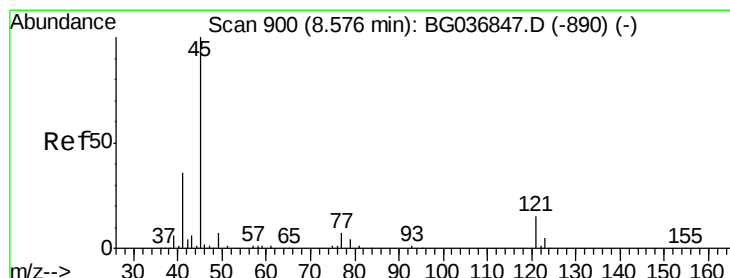
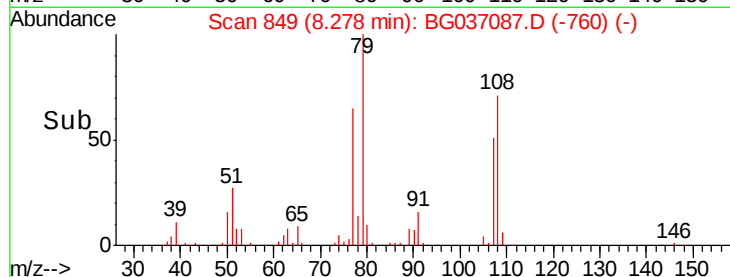
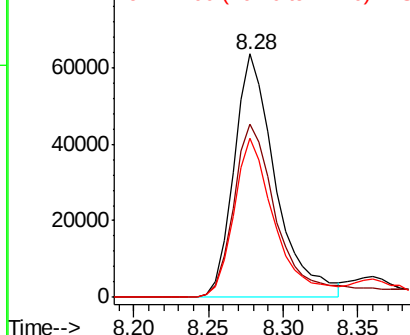
79 100

108 71.3 55.9 83.9

77 65.3 50.0 75.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.064 ng

RT: 8.56 min Scan# 897

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

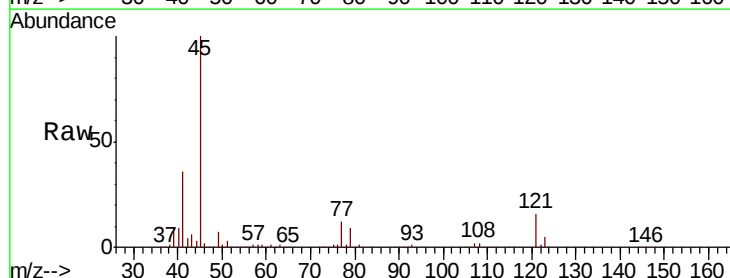
Tgt Ion: 45 Resp: 289430

Ion Ratio Lower Upper

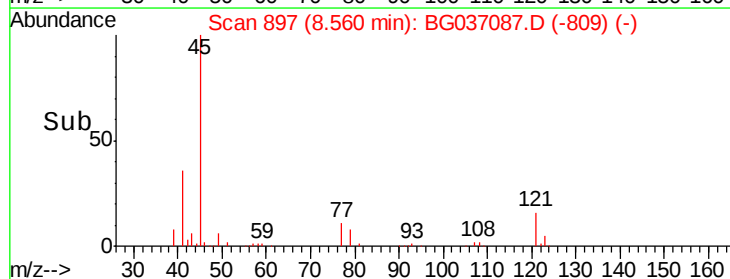
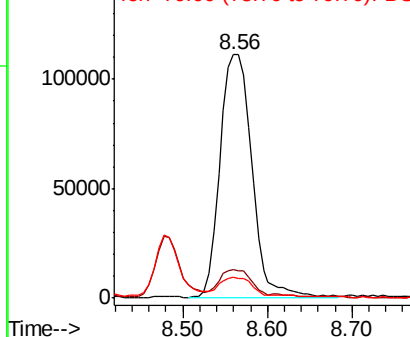
45 100

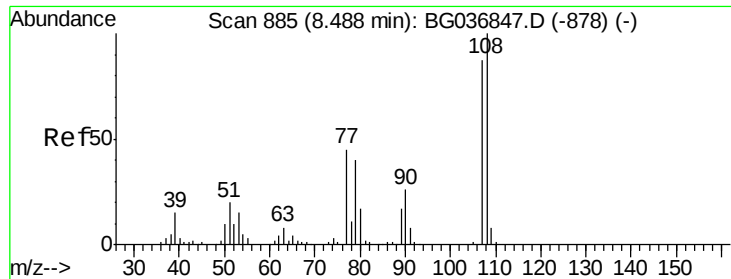
77 11.6 0.0 30.5

79 8.5 0.0 27.9



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

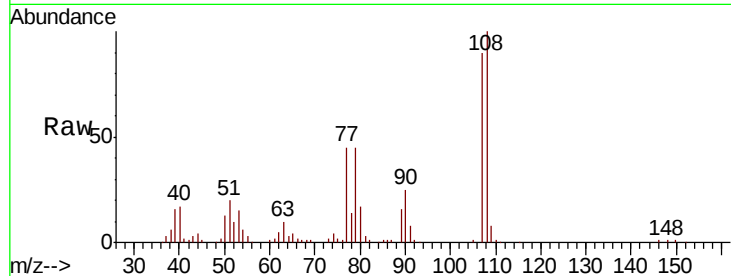




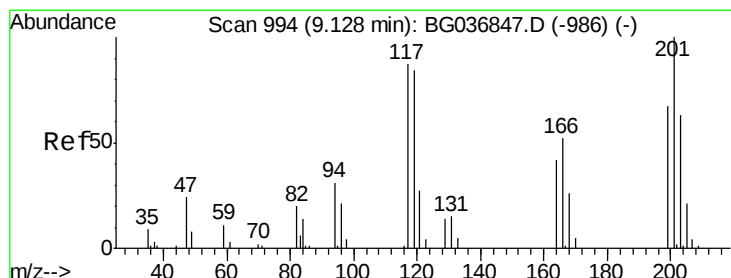
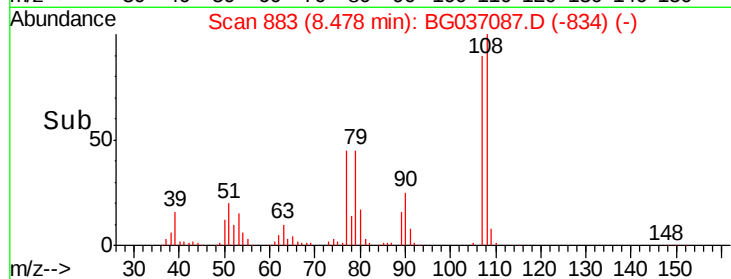
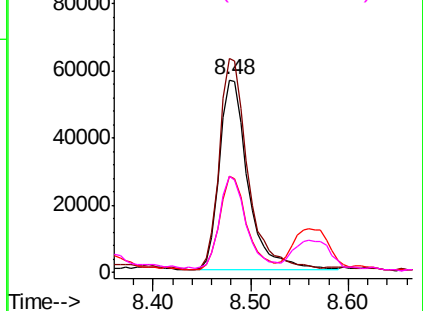
#17
2-Methylphenol
Concen: 37.984 ng
RT: 8.48 min Scan# 883
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

Tgt Ion:	107	Resp:	116345
Ion	Ratio	Lower	Upper
107	100		
108	111.0	86.7	130.1
77	49.7	39.0	58.4
79	50.0	36.6	54.8

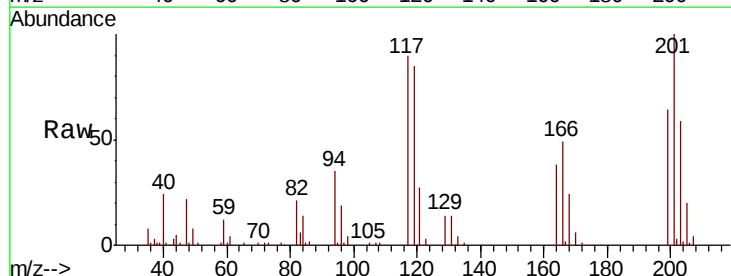


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

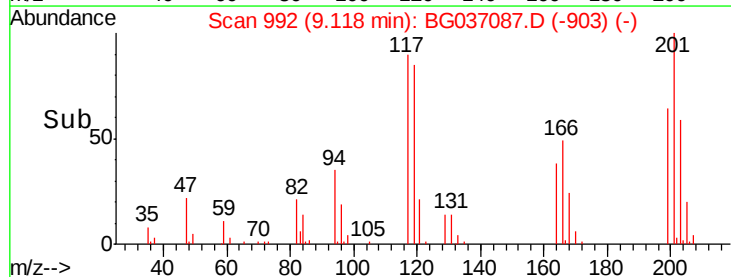
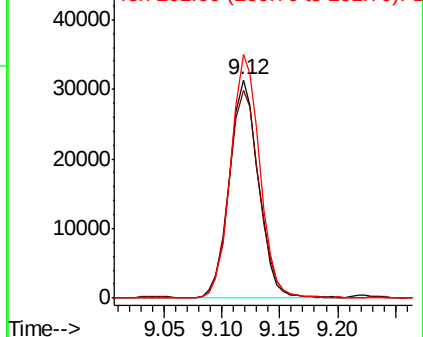


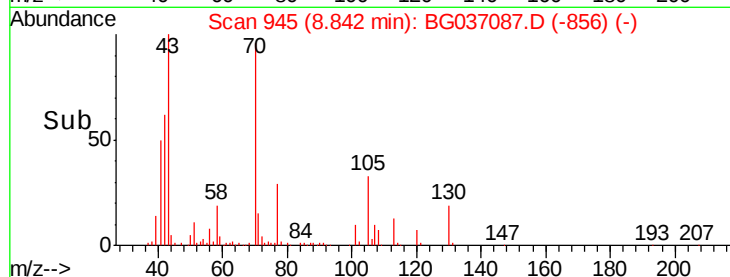
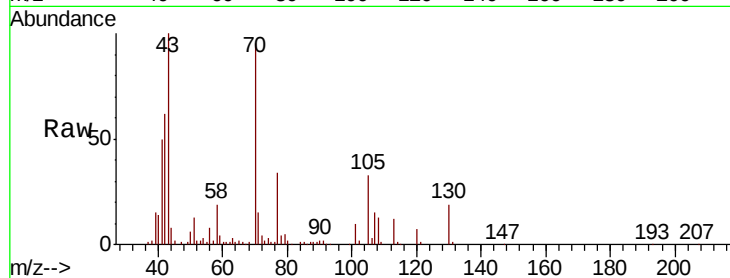
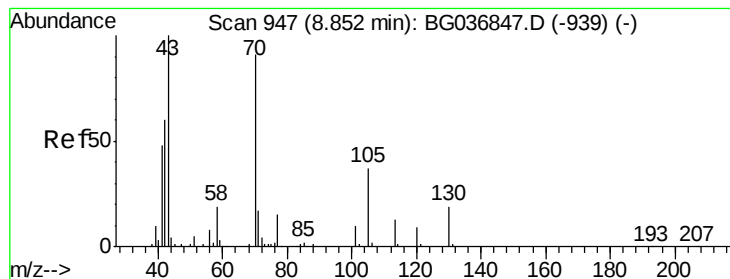
#18
Hexachloroethane
Concen: 37.017 ng
RT: 9.12 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:	117	Resp:	54649
Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.8	115.2
201	111.5	85.7	128.5



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





#19

n-Nitroso-di-n-propylamine

Concen: 35.119 ng

RT: 8.84 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

Tgt Ion: 70 Resp: 124478

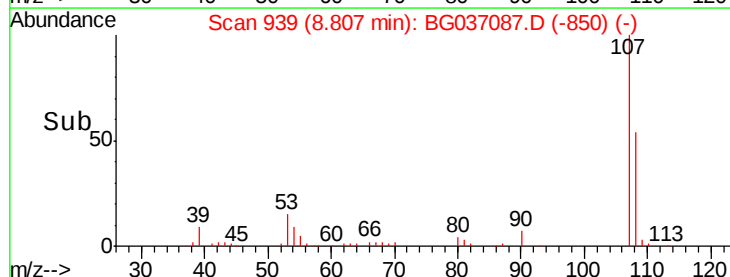
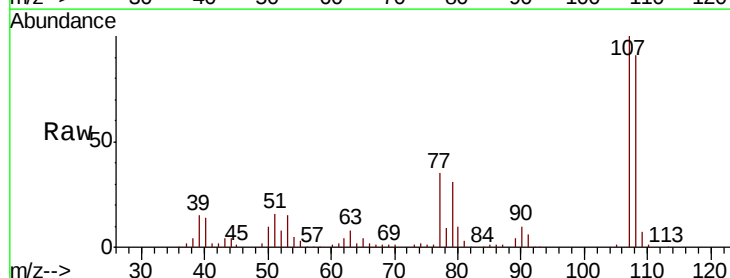
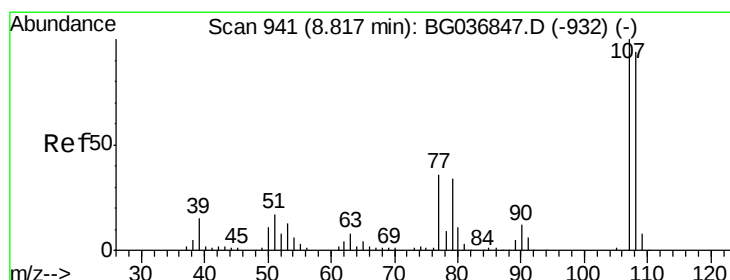
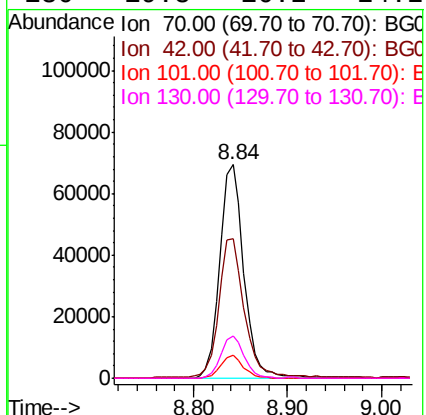
Ion Ratio Lower Upper

70 100

42 65.2 56.2 84.4

101 10.9 7.8 11.6

130 19.8 16.2 24.2



#20

3+4-Methylphenols

Concen: 37.162 ng

RT: 8.81 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Tgt Ion: 107 Resp: 158354

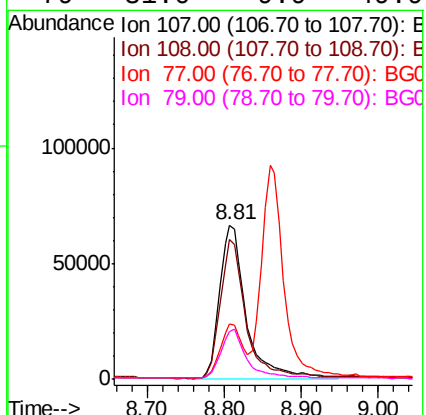
Ion Ratio Lower Upper

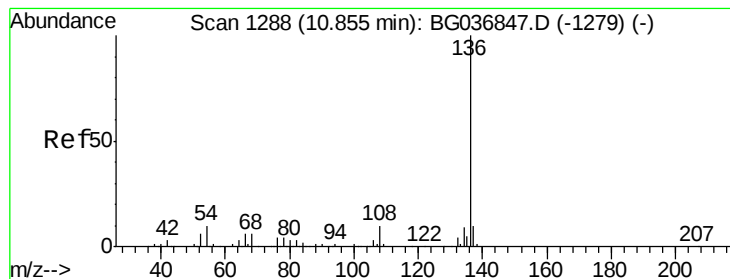
107 100

108 90.7 68.0 108.0

77 35.4 15.6 55.6

79 31.0 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

Tgt Ion:136 Resp: 217309

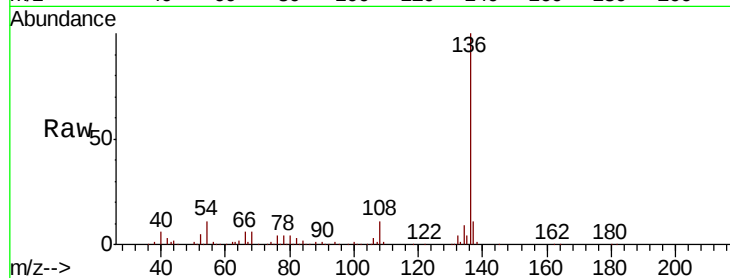
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.6 9.2 13.8

68 6.2 5.8 8.6

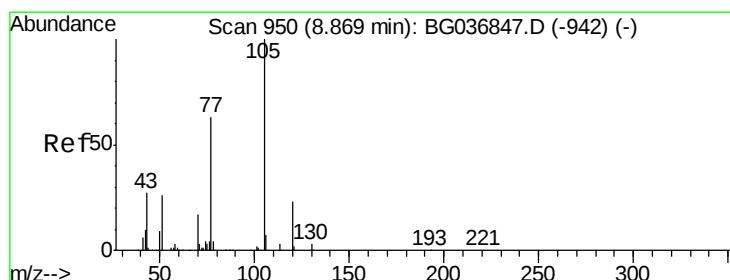
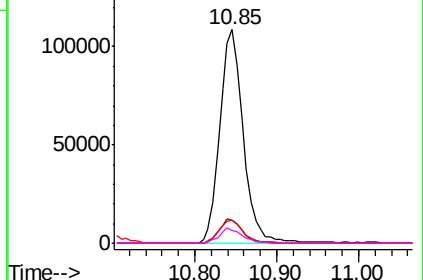
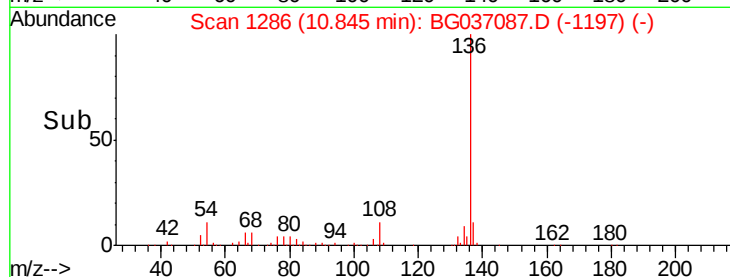


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.140 ng

RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Tgt Ion:105 Resp: 220302

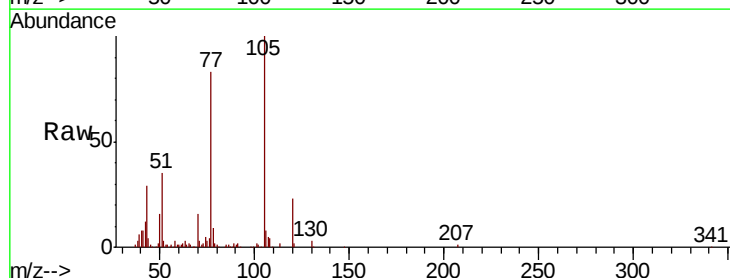
Ion Ratio Lower Upper

105 100

71 2.8 2.4 3.6

51 34.7 25.9 38.9

120 22.5 19.4 29.0

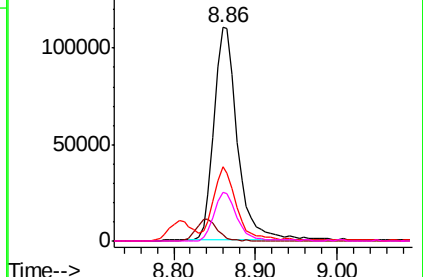
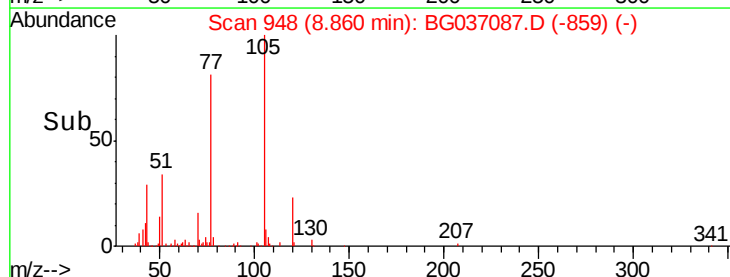


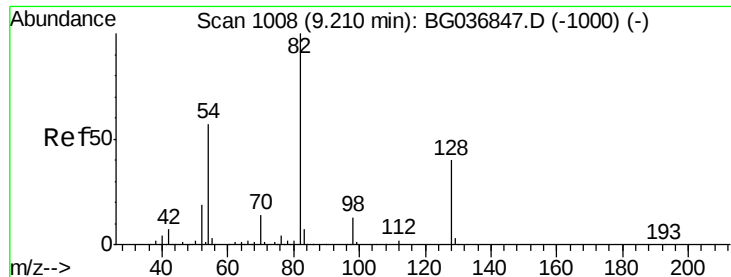
Abundance Ion 105.00 (104.70 to 105.70): E

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

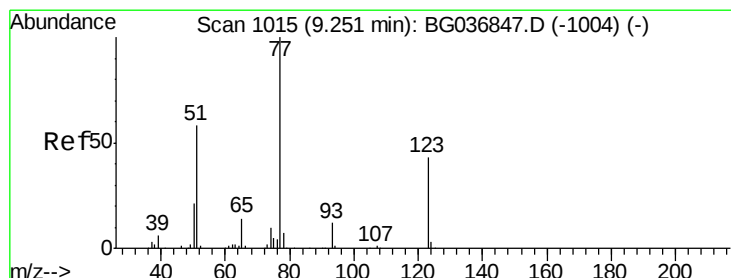
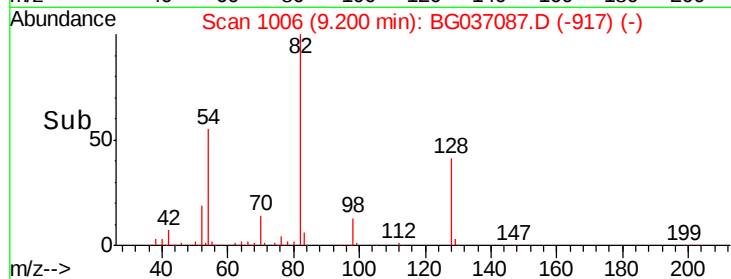
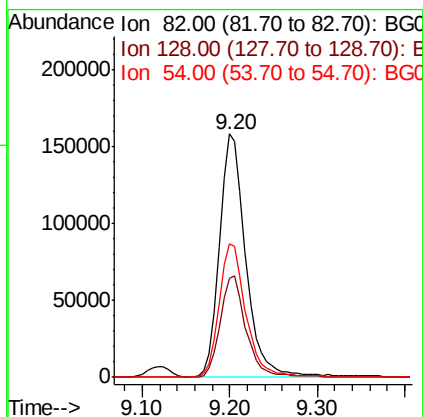
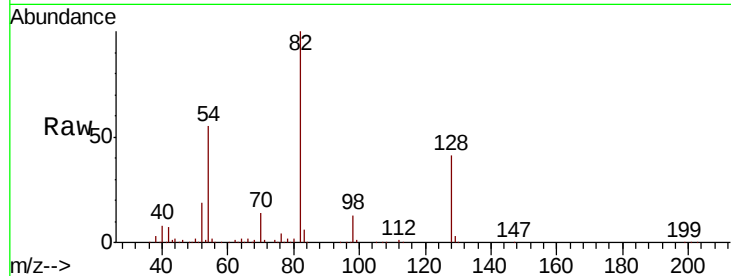




#23
 Nitrobenzene-d5
 Concen: 79.641 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

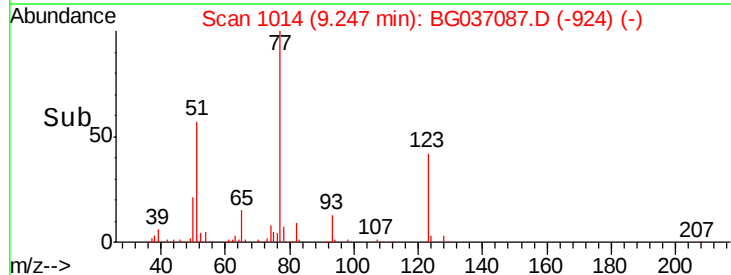
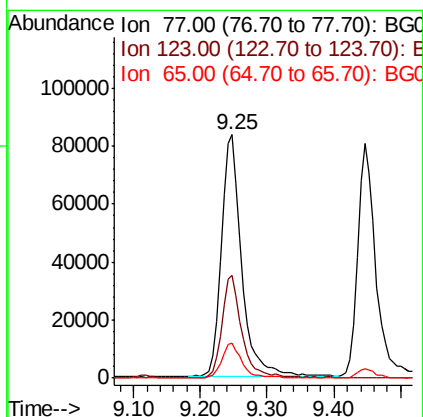
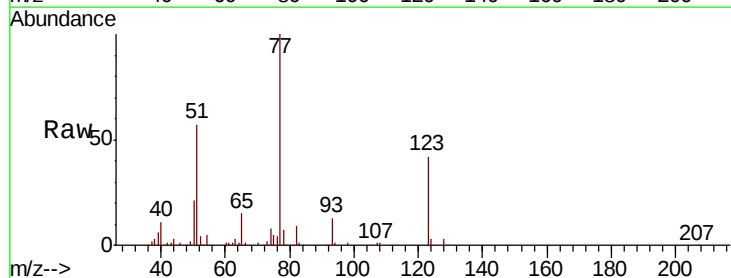
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

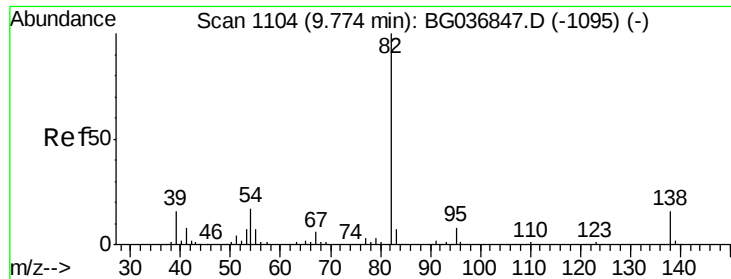
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.3	49.9
54	55.0	45.1	67.7



#24
 Nitrobenzene
 Concen: 41.865 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.2	32.4	48.6
65	14.6	11.5	17.3

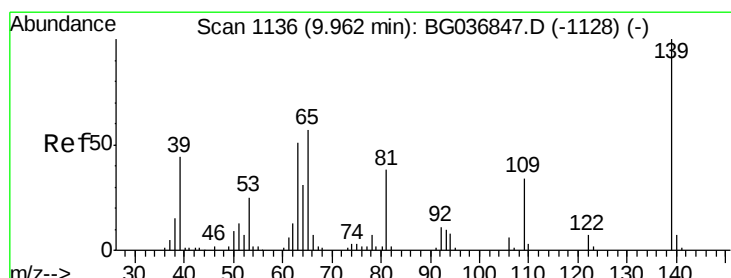
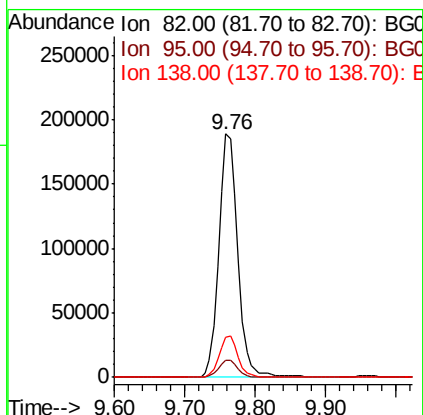
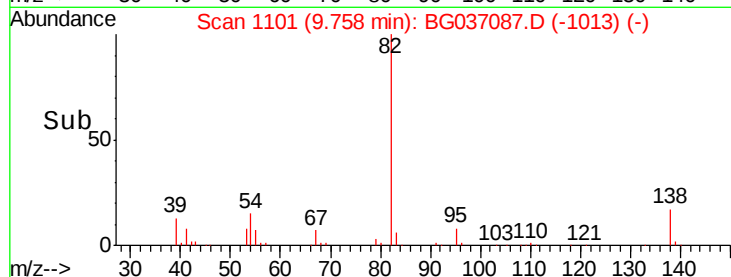
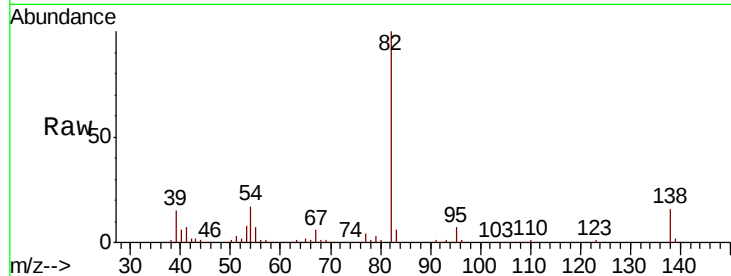




#25
Isophorone
Concen: 47.295 ng
RT: 9.76 min Scan# 1101
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

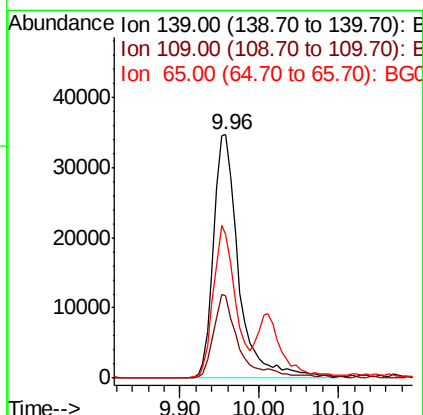
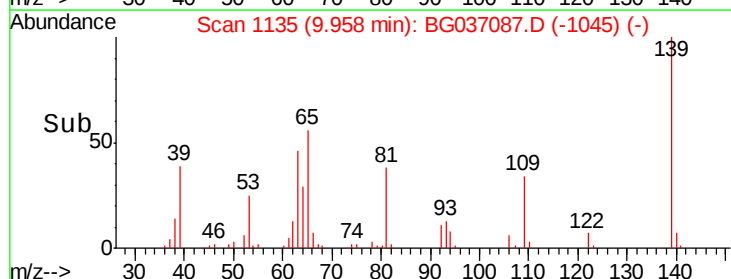
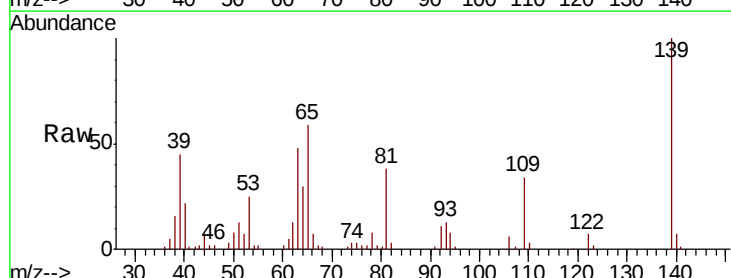
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

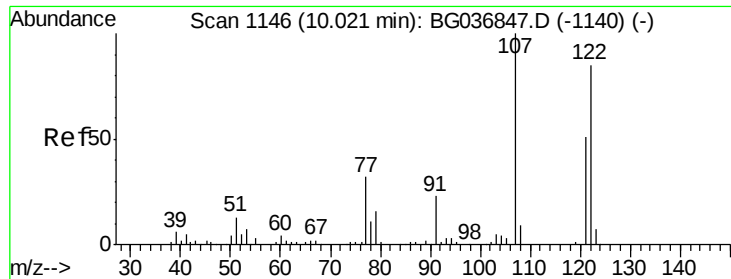
Tgt Ion: 82 Resp: 350682
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 16.5 12.9 19.3



#26
2-Nitrophenol
Concen: 44.420 ng
RT: 9.96 min Scan# 1135
Delta R.T. -0.00 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion: 139 Resp: 76728
Ion Ratio Lower Upper
139 100
109 33.6 27.4 41.0
65 59.0 47.8 71.6

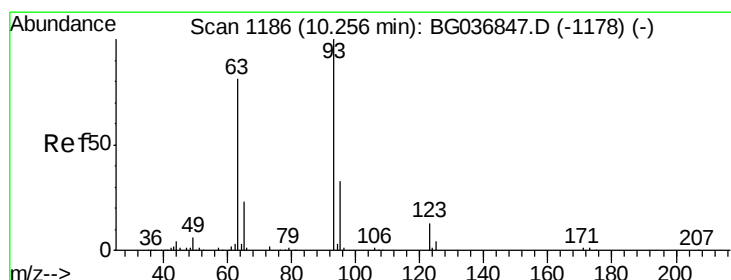
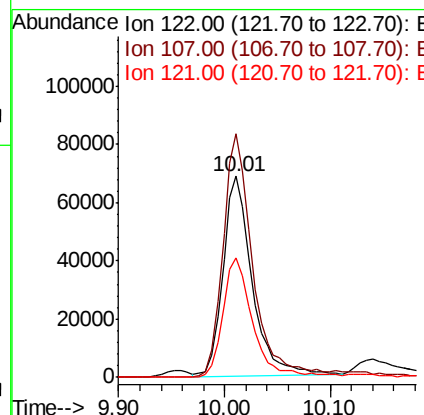
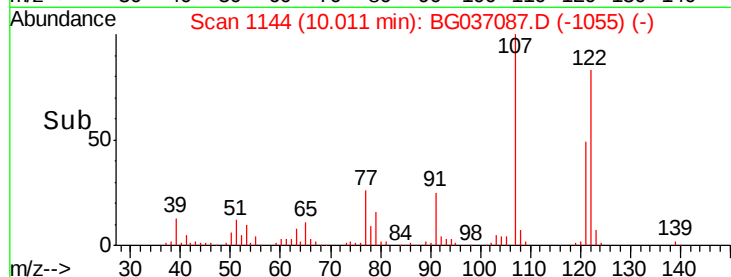
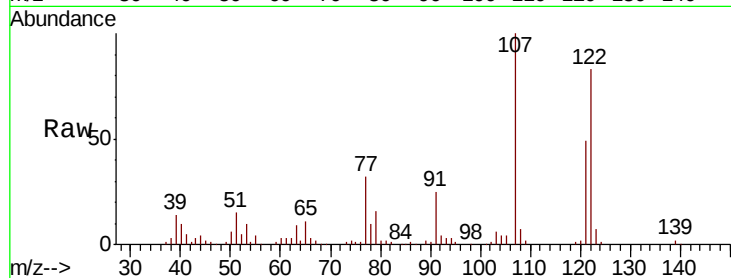




#27
2,4-Dimethylphenol
Concen: 49.173 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

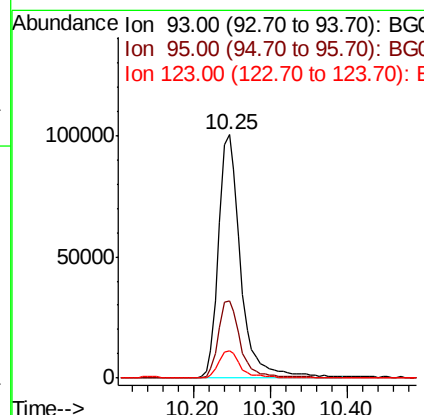
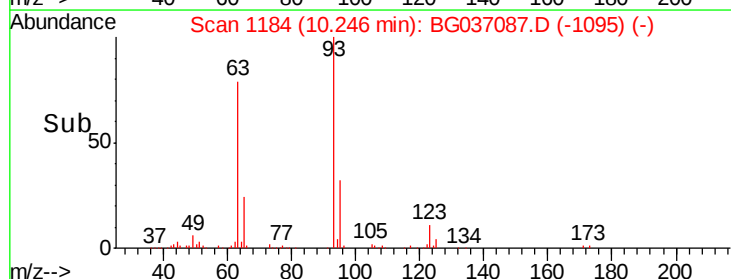
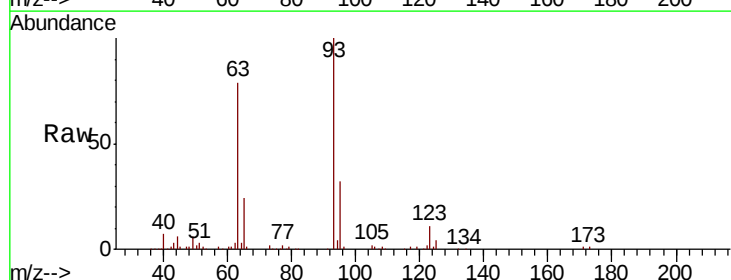
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

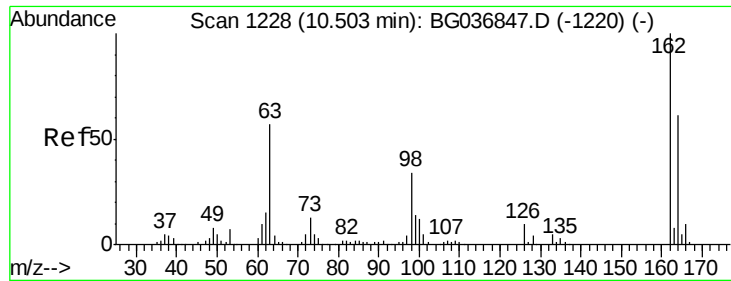
Tgt Ion:122 Resp: 132307
Ion Ratio Lower Upper
122 100
107 121.0 96.0 144.0
121 59.3 48.2 72.4



#28
bis(2-Chloroethoxy)methane
Concen: 43.721 ng
RT: 10.25 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion: 93 Resp: 200039
Ion Ratio Lower Upper
93 100
95 31.6 25.2 37.8
123 11.3 8.6 12.8

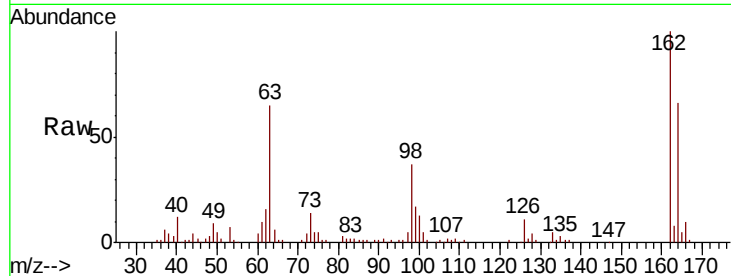




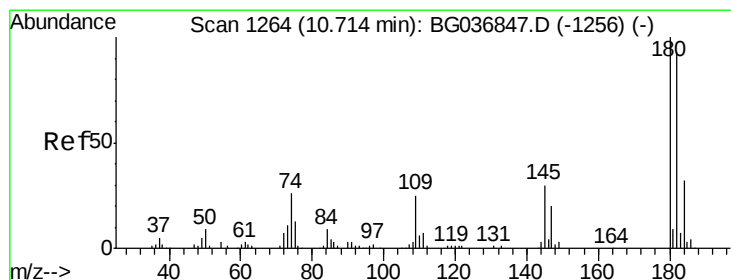
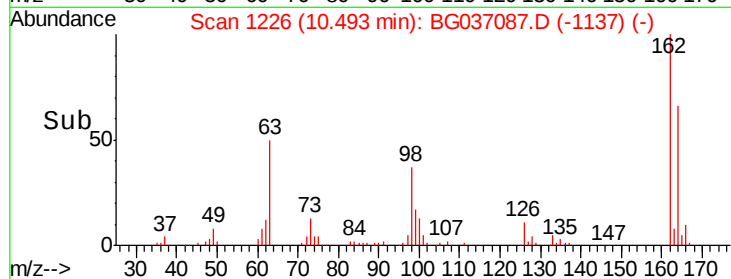
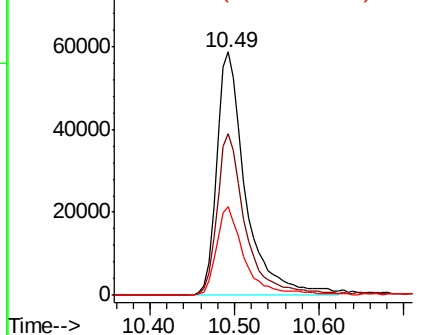
#29
 2,4-Dichlorophenol
 Concen: 44.763 ng
 RT: 10.49 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:162 Resp: 139619
 Ion Ratio Lower Upper
 162 100
 164 66.4 47.6 87.6
 98 36.5 19.2 59.2

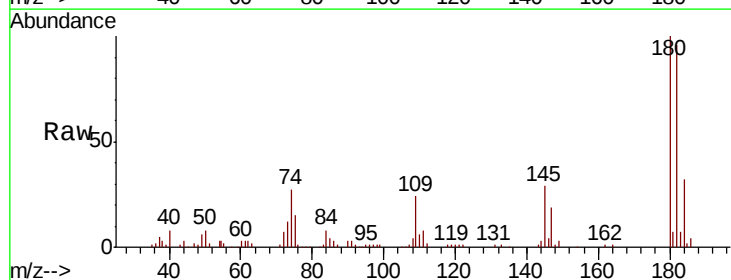


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BGC

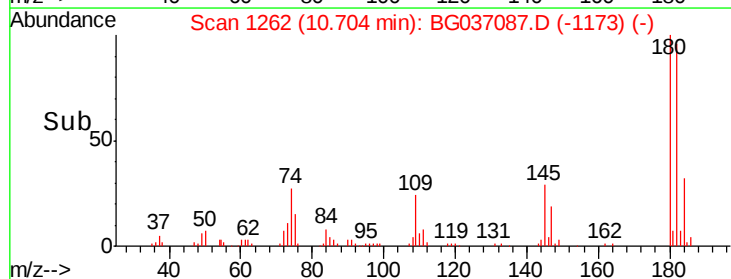
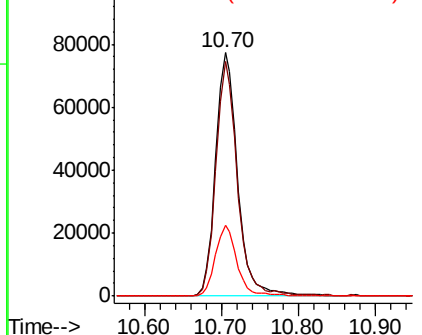


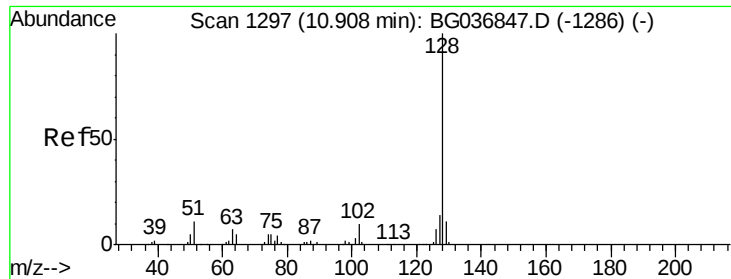
#30
 1,2,4-Trichlorobenzene
 Concen: 39.028 ng
 RT: 10.70 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:180 Resp: 152341
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.0 114.0
 145 29.1 22.9 34.3



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

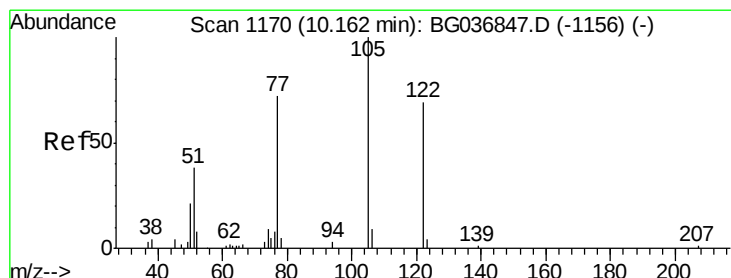
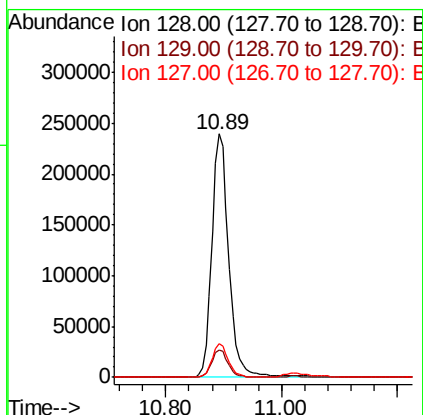
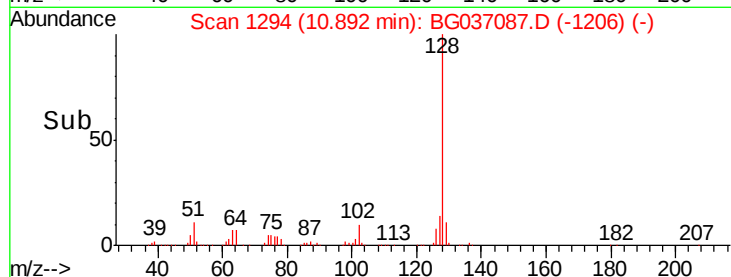
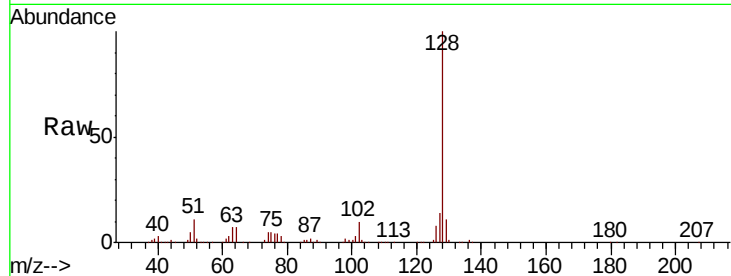




#31
Naphthalene
Concen: 47.634 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

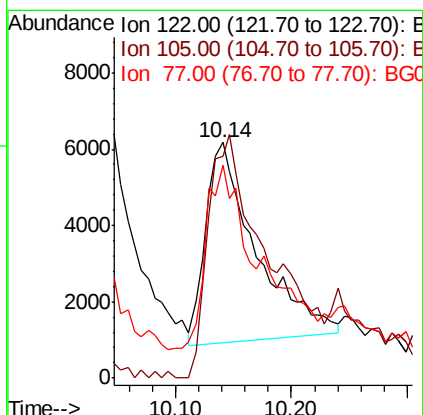
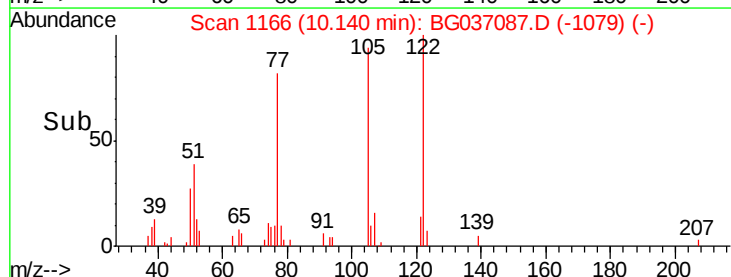
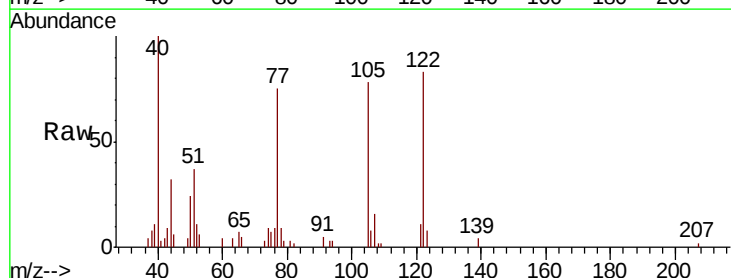
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

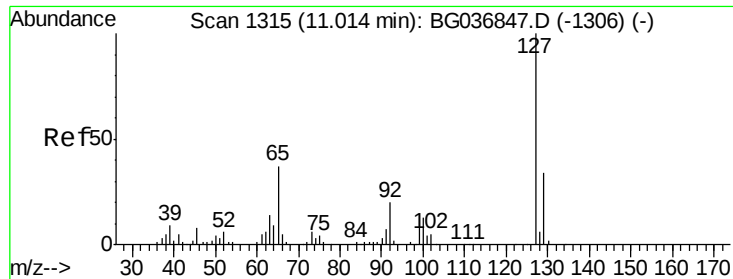
Tgt Ion:128 Resp: 492521
Ion Ratio Lower Upper
128 100
129 11.3 9.4 14.2
127 14.0 11.0 16.4



#32
Benzoic acid
Concen: 12.611 ng
RT: 10.14 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:122 Resp: 15934
Ion Ratio Lower Upper
122 100
105 94.4 108.1 148.1#
77 90.6 76.3 116.3

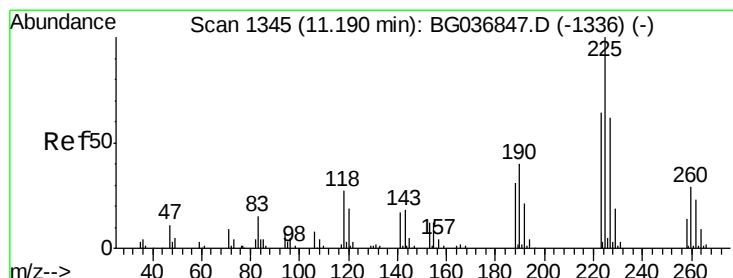
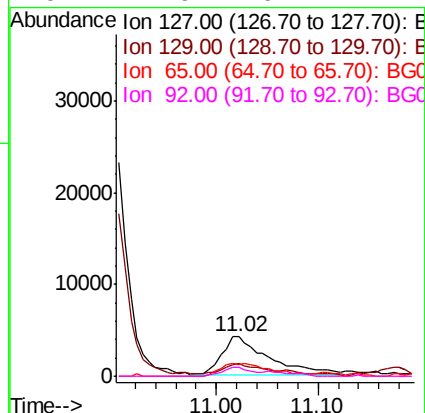
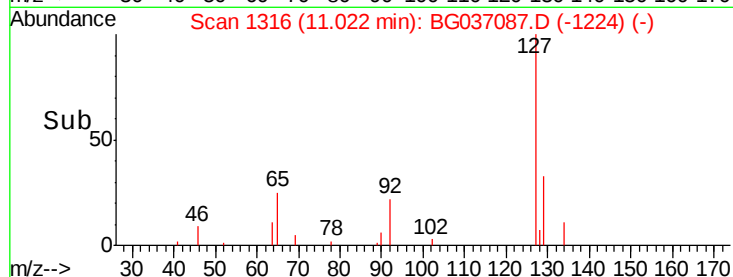
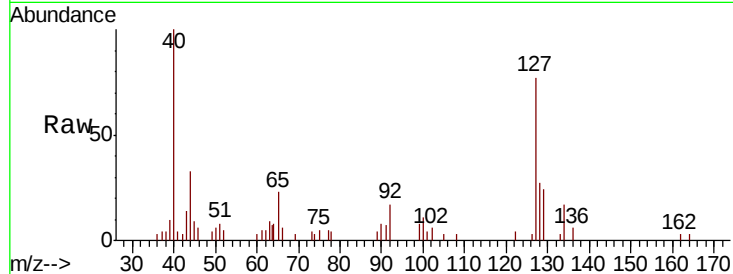




#33
4-Chloroaniline
Concen: 2.847 ng
RT: 11.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

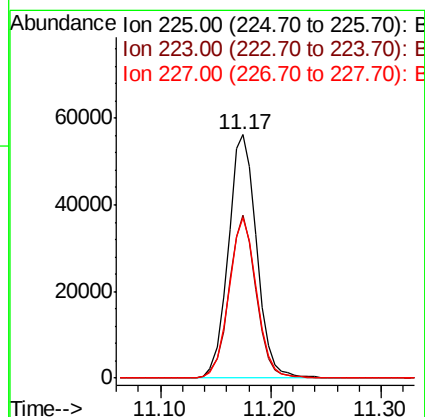
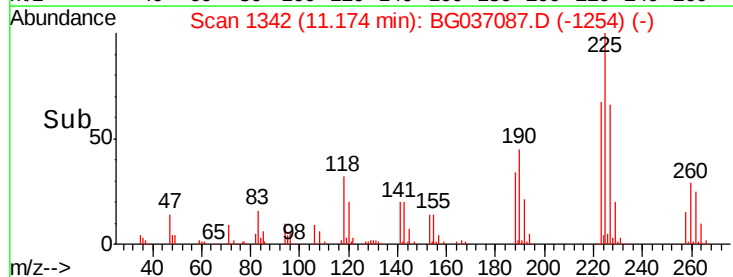
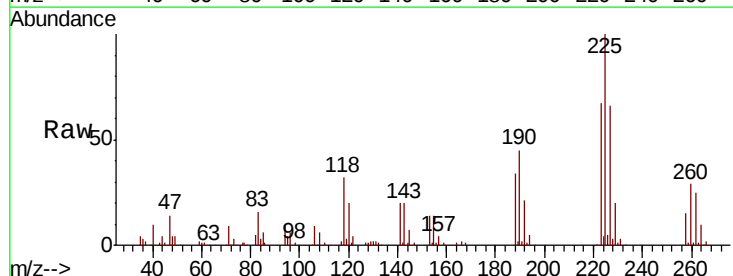
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

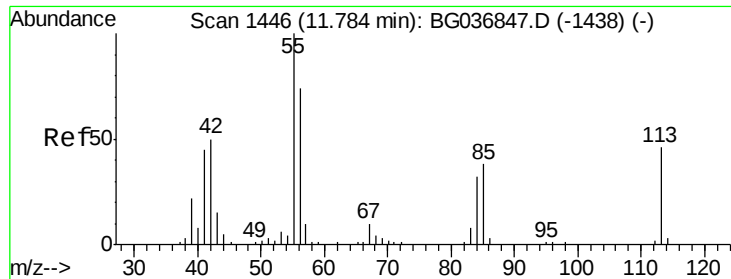
Tgt Ion:	127	Resp:	13384
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.9	38.9
65	29.9	27.5	41.3
92	21.6	16.2	24.2



#34
Hexachlorobutadiene
Concen: 37.398 ng
RT: 11.17 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:	225	Resp:	100951
Ion	Ratio	Lower	Upper
225	100		
223	66.8	51.8	77.8
227	65.8	49.8	74.6

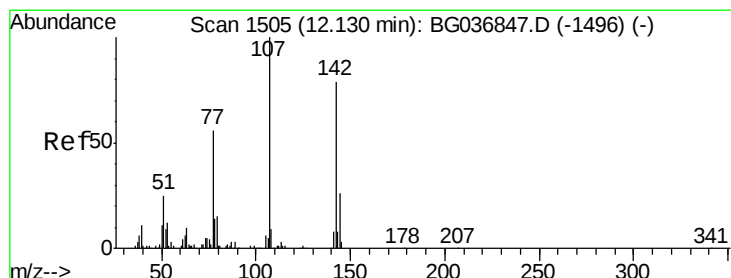
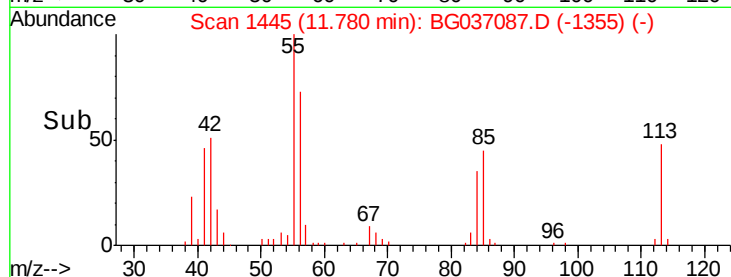
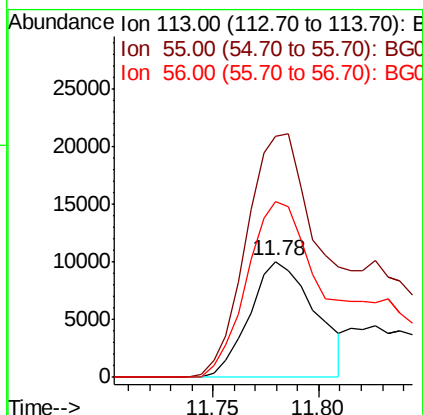
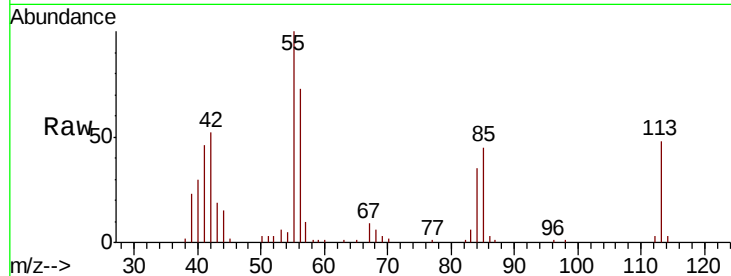




#35
 Caprolactam
 Concen: 16.800 ng
 RT: 11.78 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

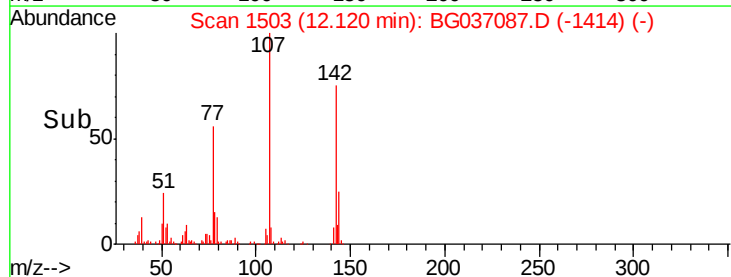
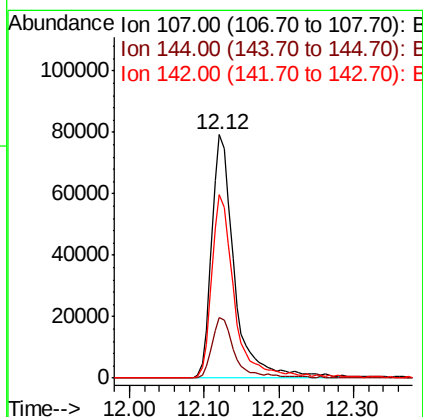
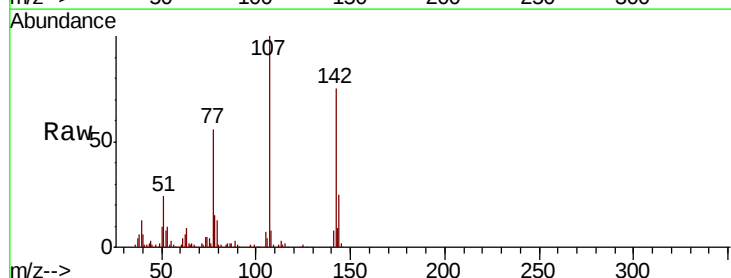
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

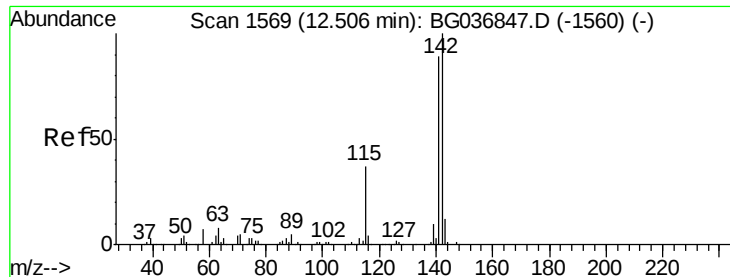
Tgt Ion:113 Resp: 21568
 Ion Ratio Lower Upper
 113 100
 55 207.4 197.7 237.7
 56 150.8 131.7 171.7



#36
 4-Chloro-3-methylphenol
 Concen: 45.043 ng
 RT: 12.12 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:107 Resp: 167635
 Ion Ratio Lower Upper
 107 100
 144 25.1 19.5 29.3
 142 75.3 62.4 93.6

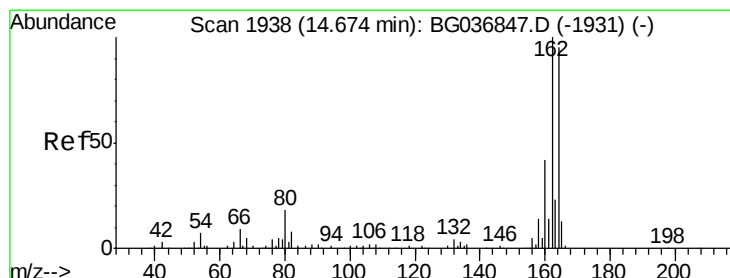
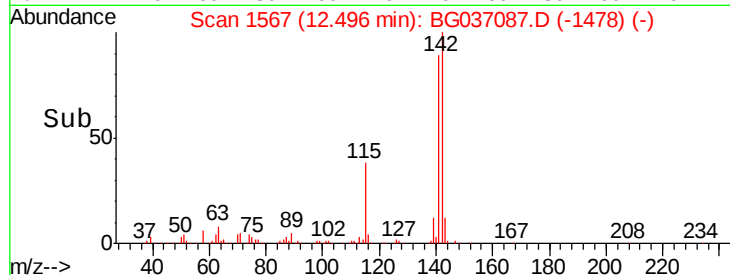
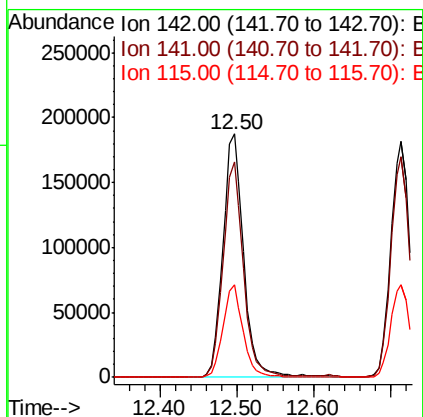
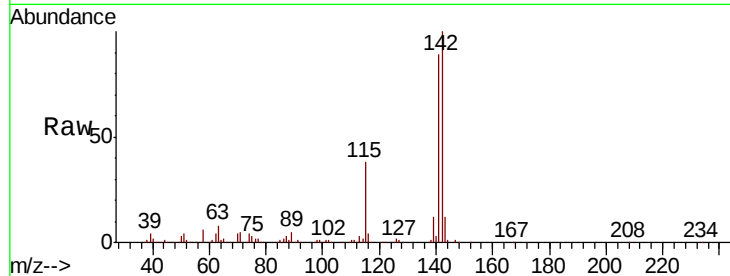




#37
2-Methylnaphthalene
Concen: 44.535 ng
RT: 12.50 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

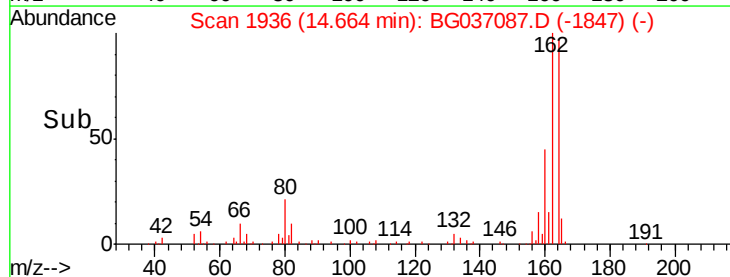
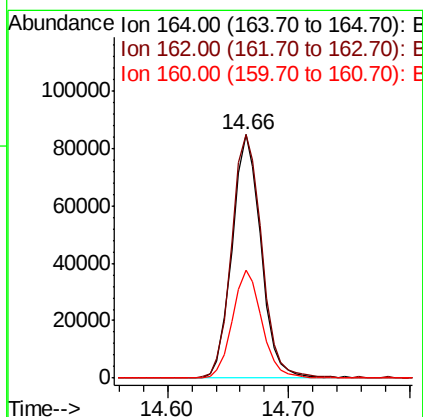
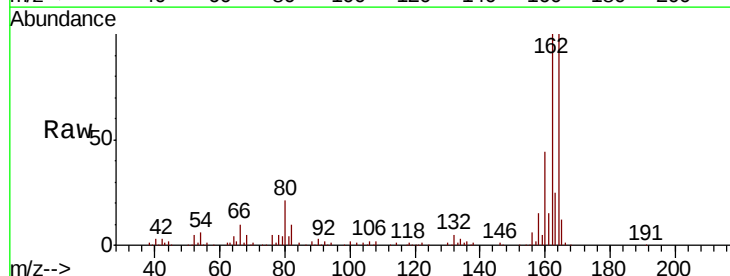
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

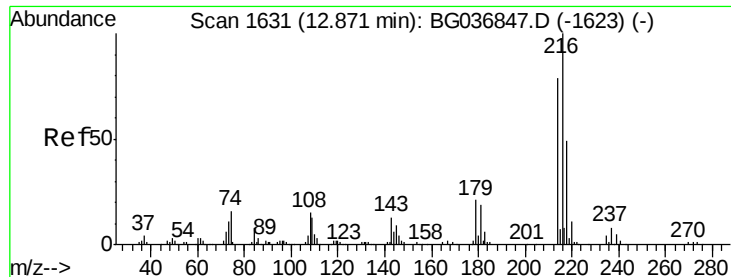
Tgt Ion:142 Resp: 350708
Ion Ratio Lower Upper
142 100
141 88.6 68.5 102.7
115 38.0 29.8 44.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:164 Resp: 141673
Ion Ratio Lower Upper
164 100
162 99.9 80.7 121.1
160 44.5 35.3 52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.718 ng

RT: 12.86 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

Tgt Ion:216 Resp: 191315

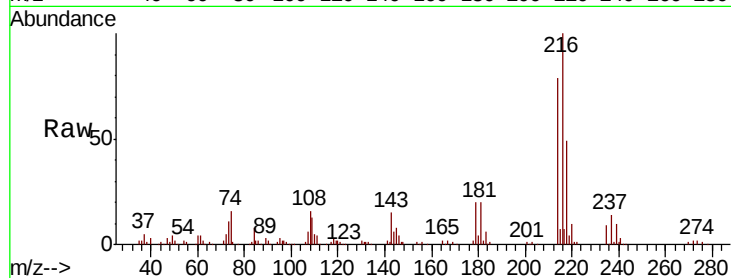
Ion Ratio Lower Upper

216 100

214 76.8 61.0 91.6

179 19.7 15.7 23.5

108 18.2 13.1 19.7

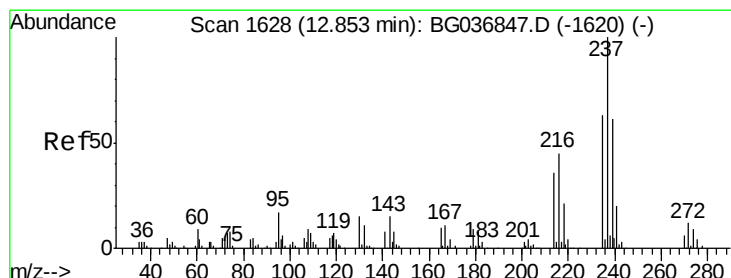
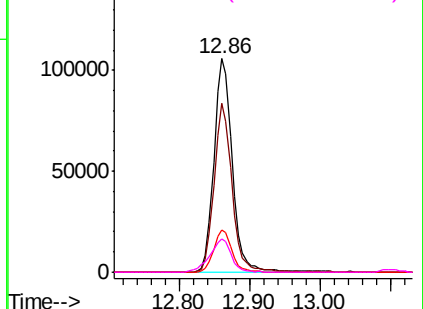
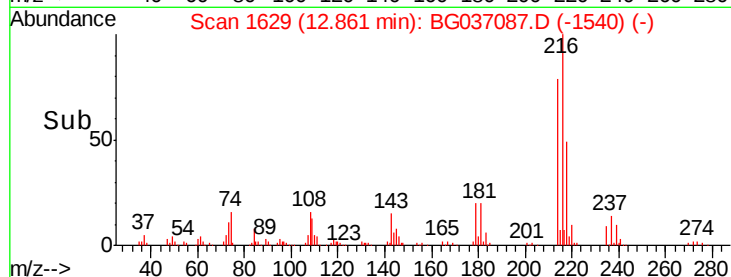


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 82.247 ng

RT: 12.84 min Scan# 1625

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

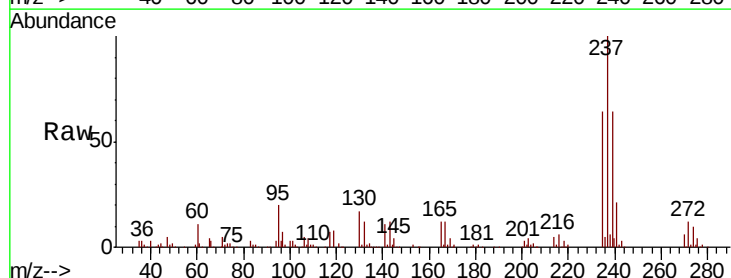
Tgt Ion:237 Resp: 209016

Ion Ratio Lower Upper

237 100

235 64.0 42.2 82.2

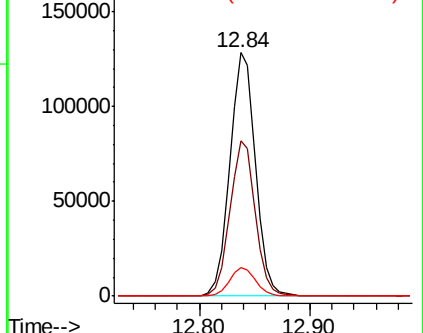
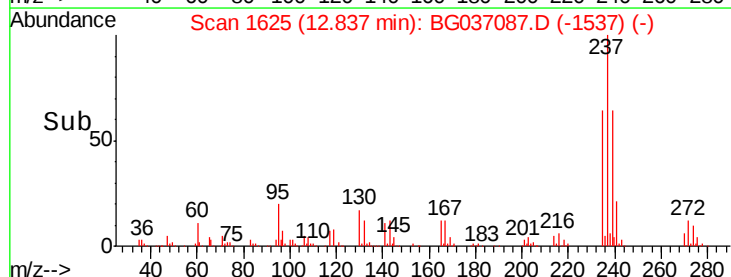
272 11.9 0.0 32.1

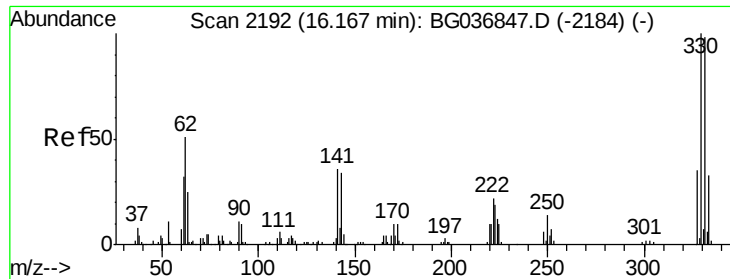


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

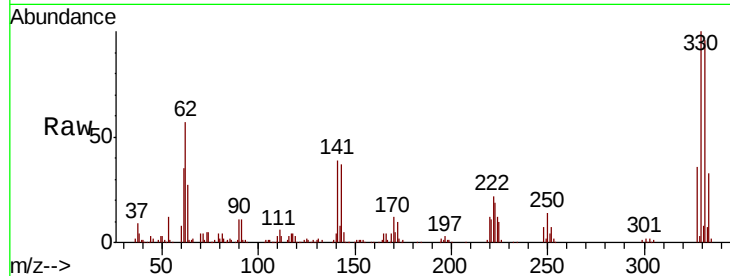




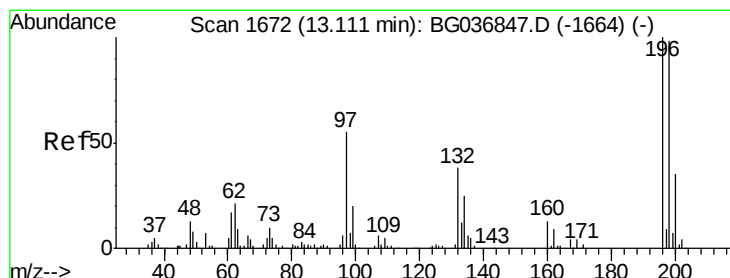
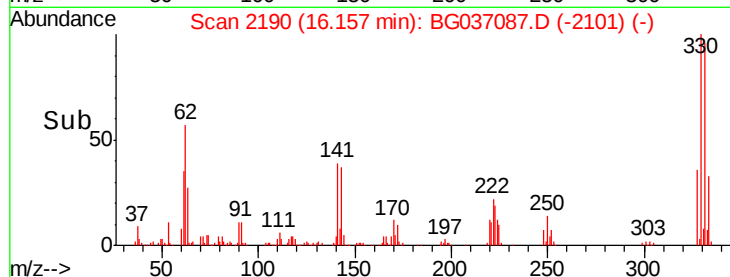
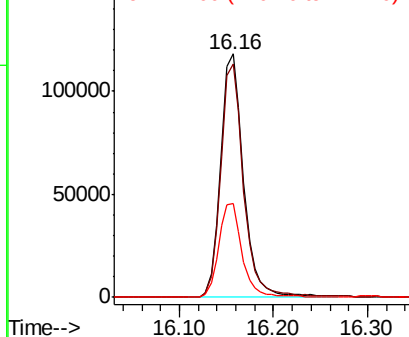
#41
 2,4,6-Tribromophenol
 Concen: 118.873 ng
 RT: 16.16 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:330 Resp: 201493
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.4 113.2
 141 39.6 30.7 46.1

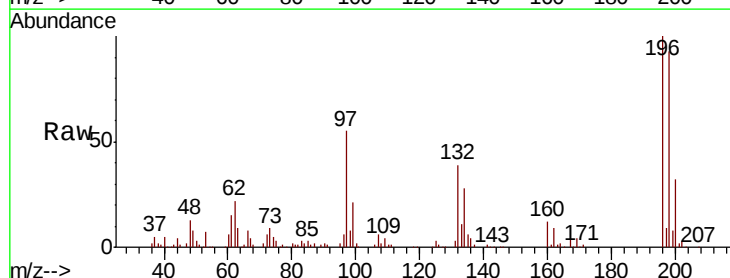


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

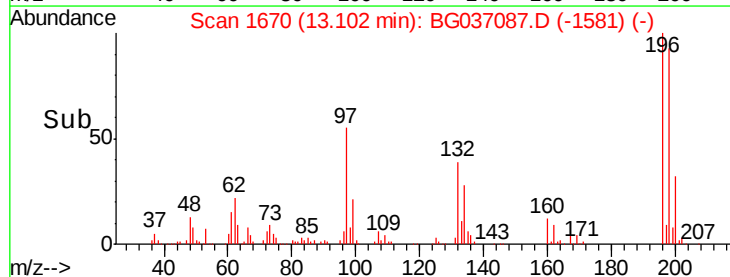
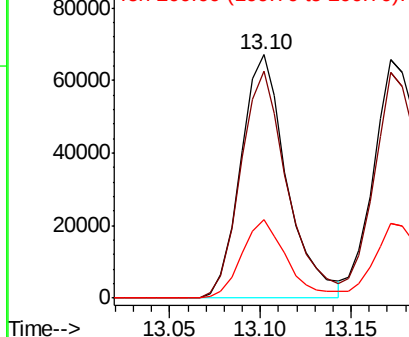


#42
 2,4,6-Trichlorophenol
 Concen: 43.247 ng
 RT: 13.10 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:196 Resp: 118667
 Ion Ratio Lower Upper
 196 100
 198 93.1 77.2 115.8
 200 32.5 26.3 39.5



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

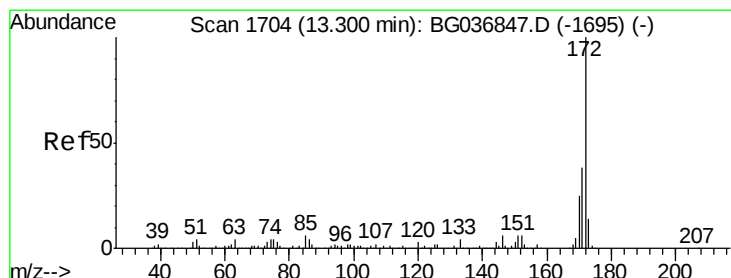
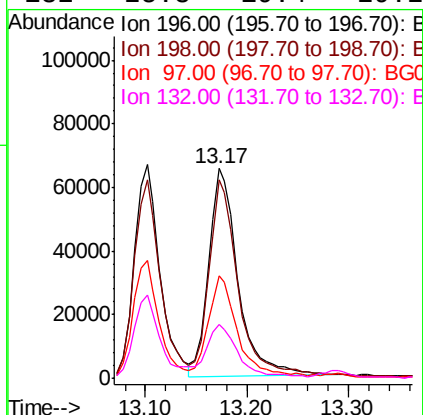
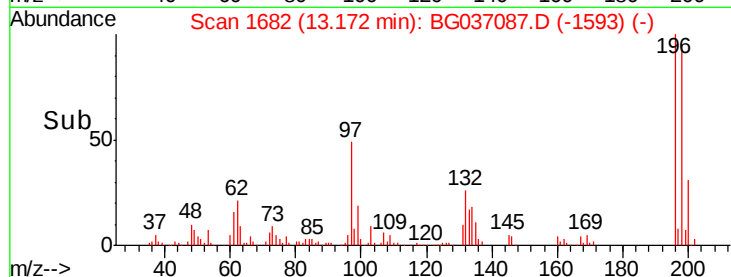
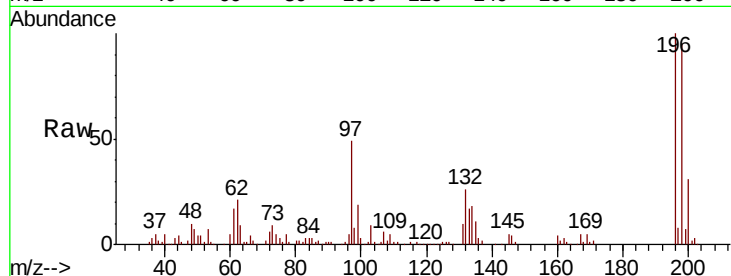




#43
 2,4,5-Trichlorophenol
 Concen: 44.769 ng
 RT: 13.17 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

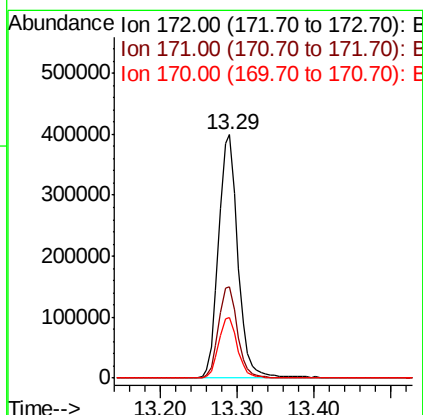
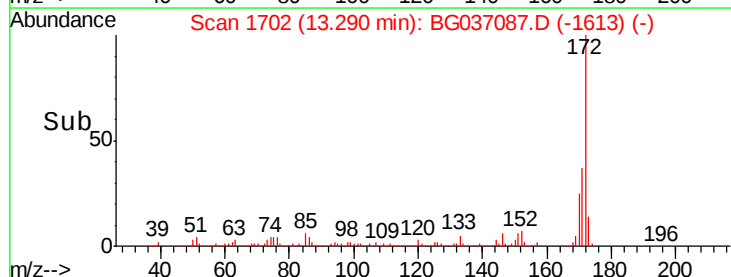
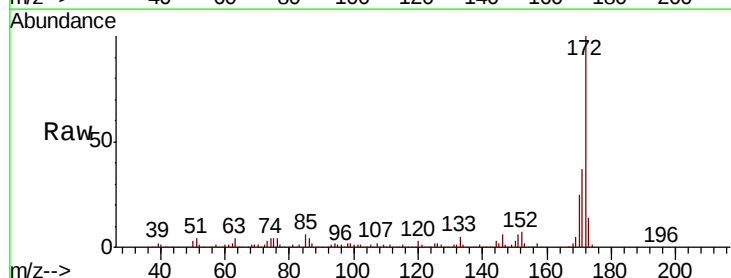
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

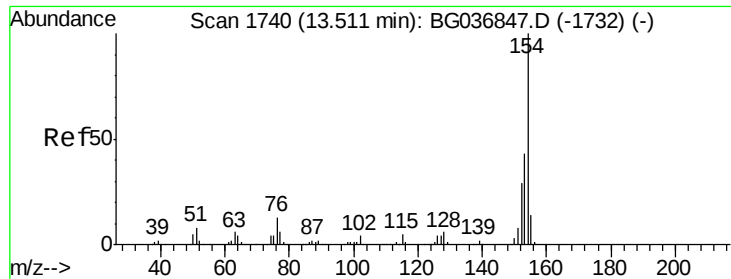
Tgt Ion	Resp	Lower	Upper
196	130987		
196	100		
198	94.7	75.6	113.4
97	48.7	37.2	55.8
132	25.8	19.4	29.2



#44
 2-Fluorobiphenyl
 Concen: 73.092 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion	Resp	Lower	Upper
172	695263		
172	100		
171	37.3	31.3	46.9
170	25.1	21.0	31.6

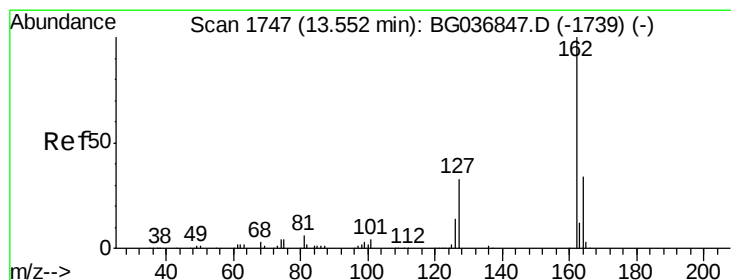
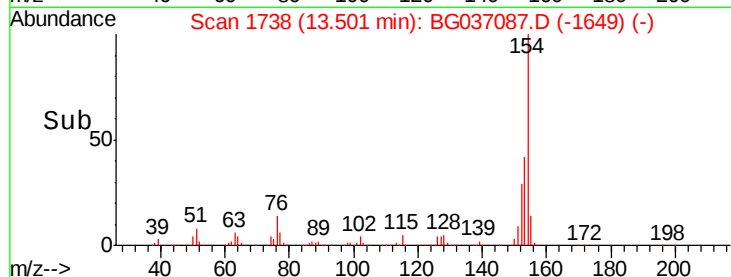
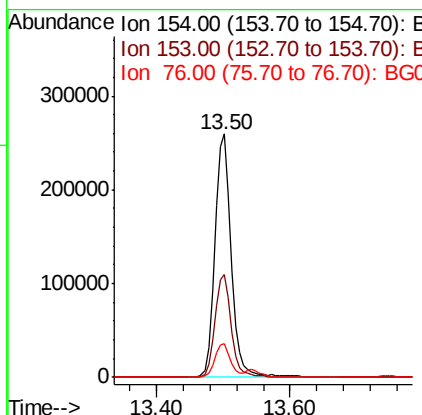
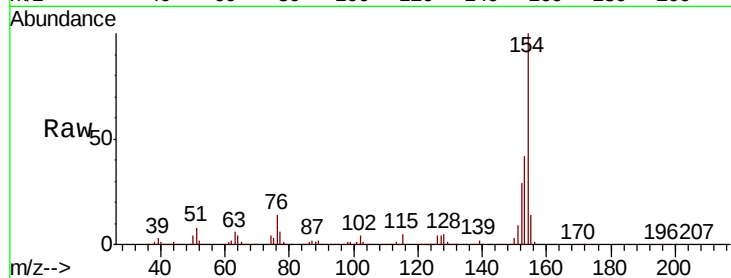




#45
 1,1'-Biphenyl
 Concen: 41.395 ng
 RT: 13.50 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

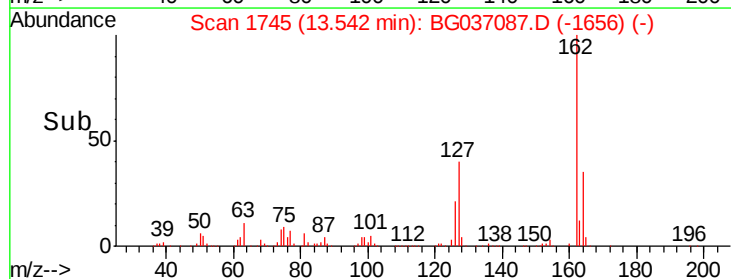
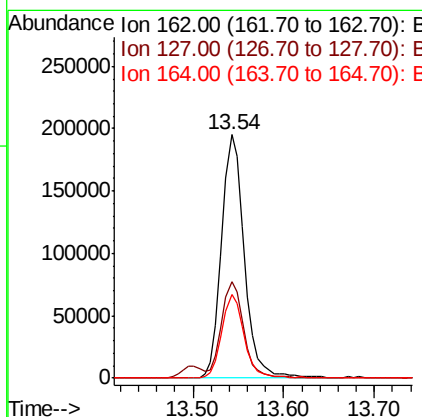
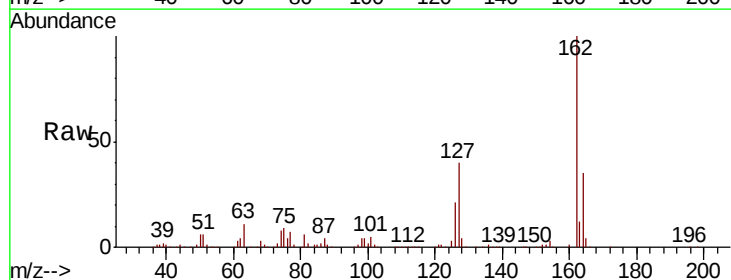
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

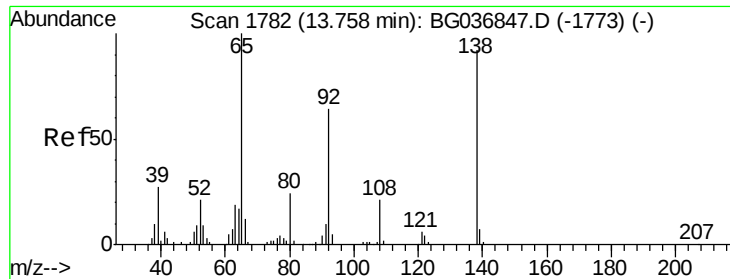
Tgt Ion:154 Resp: 449139
 Ion Ratio Lower Upper
 154 100
 153 42.2 24.0 64.0
 76 13.6 0.0 32.9



#46
 2-Chloronaphthalene
 Concen: 39.889 ng
 RT: 13.54 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:162 Resp: 340358
 Ion Ratio Lower Upper
 162 100
 127 39.6 30.7 46.1
 164 34.5 26.7 40.1





#47

2-Nitroaniline

Concen: 44.090 ng

RT: 13.75 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

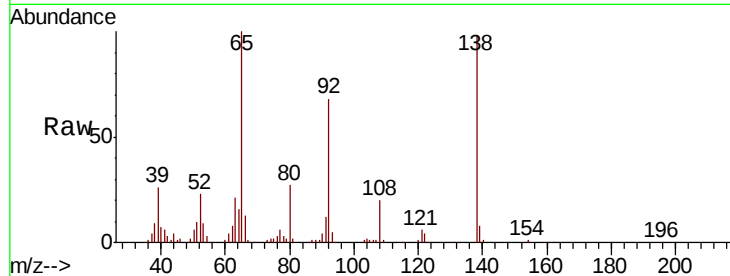
Tgt Ion: 65 Resp: 130125

Ion Ratio Lower Upper

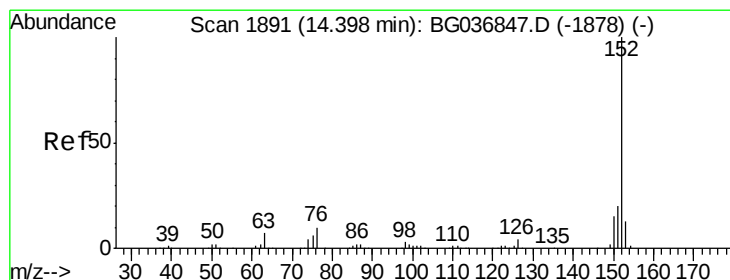
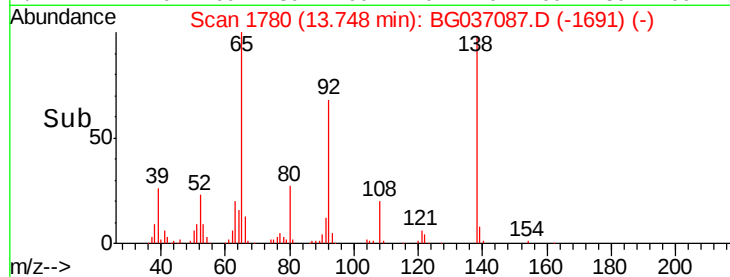
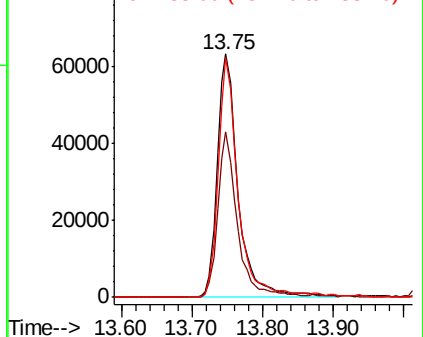
65 100

92 68.1 49.9 74.9

138 98.5 76.2 114.4



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): BGC



#48

Acenaphthylene

Concen: 44.318 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

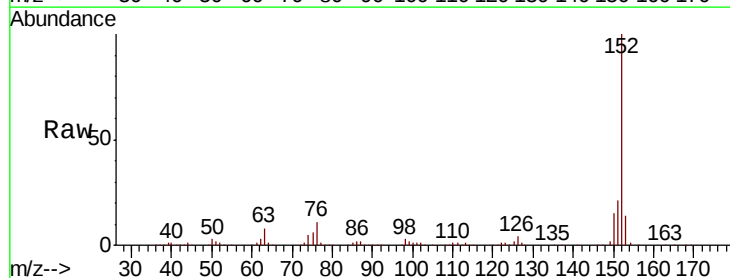
Tgt Ion: 152 Resp: 592571

Ion Ratio Lower Upper

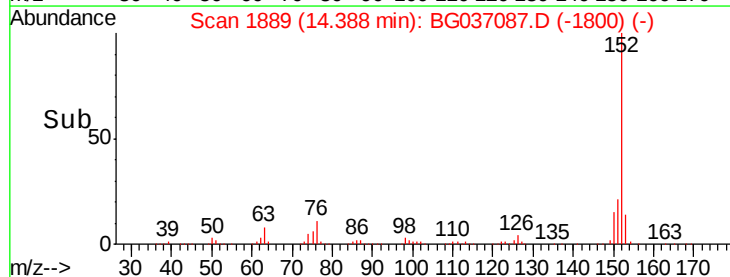
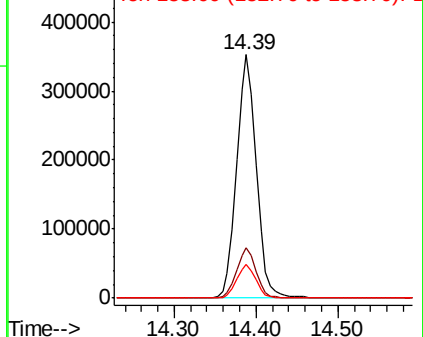
152 100

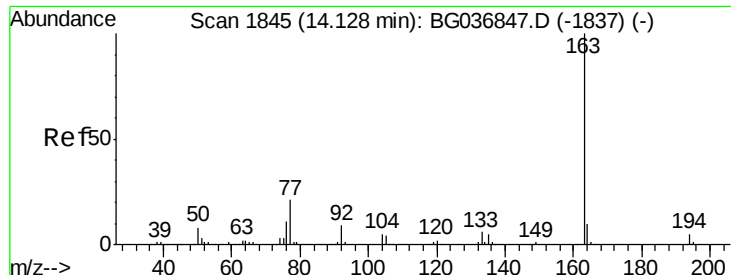
151 20.5 16.9 25.3

153 13.7 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#49

Dimethylphthalate

Concen: 41.862 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

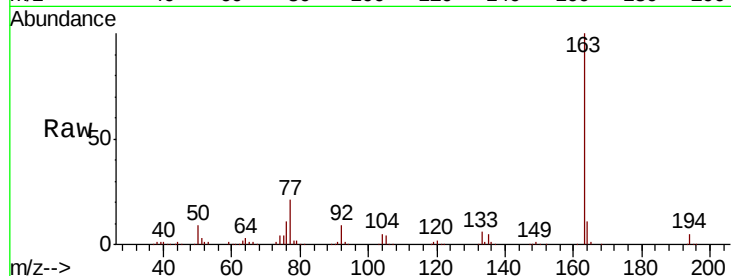
Tgt Ion:163 Resp: 477381

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

164 10.7 8.1 12.1

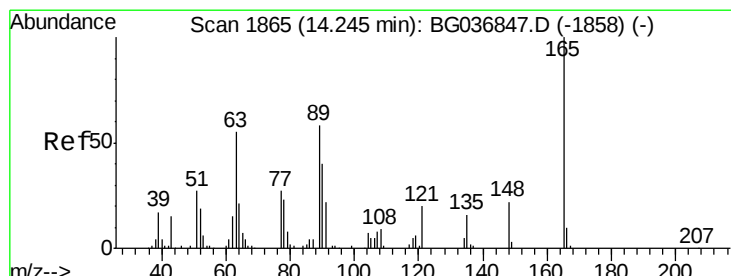
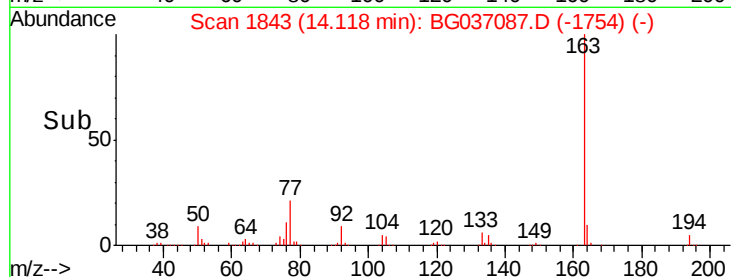
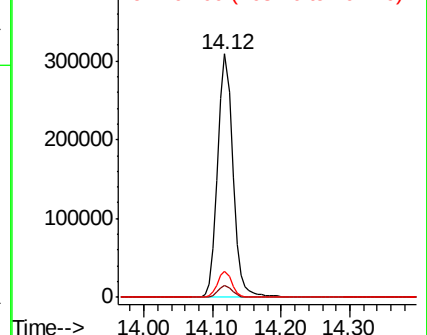


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.443 ng

RT: 14.24 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

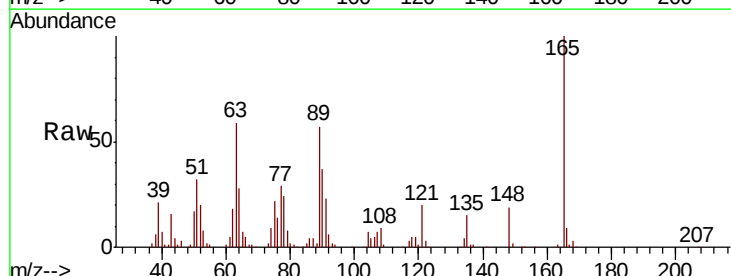
Tgt Ion:165 Resp: 105602

Ion Ratio Lower Upper

165 100

63 59.1 50.1 75.1

89 57.1 47.8 71.6

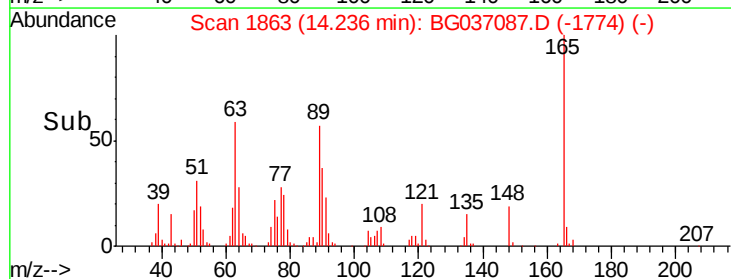
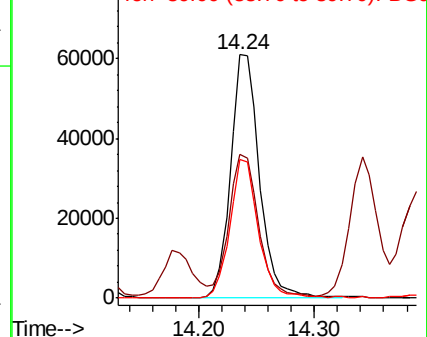


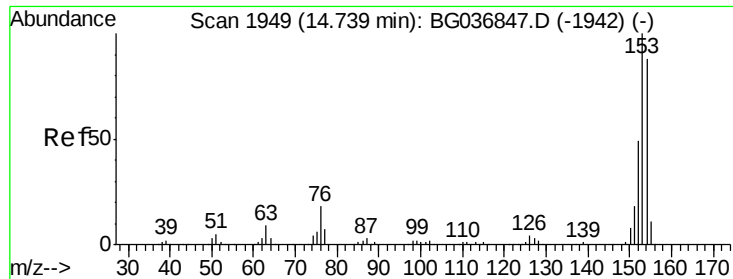
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 42.057 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

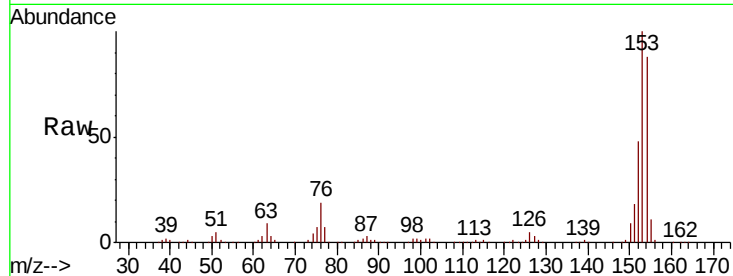
Tgt Ion:154 Resp: 339860

Ion Ratio Lower Upper

154 100

153 114.0 91.8 137.6

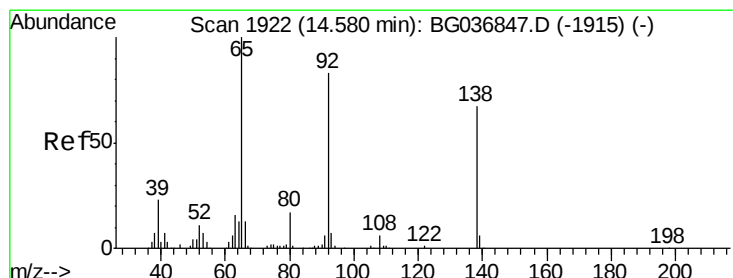
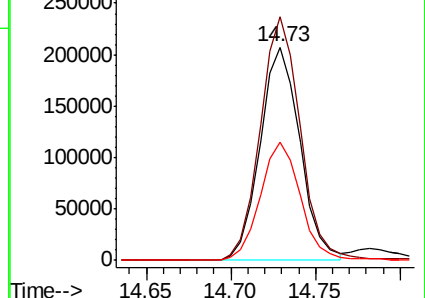
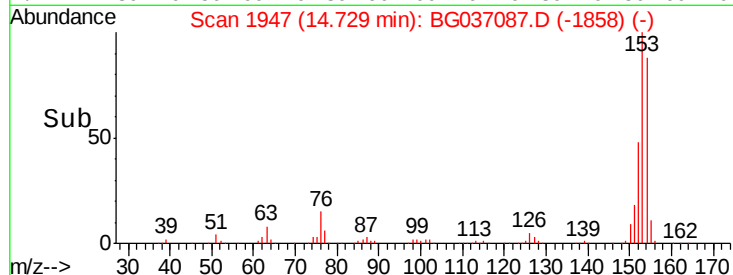
152 55.2 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 11.414 ng

RT: 14.58 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

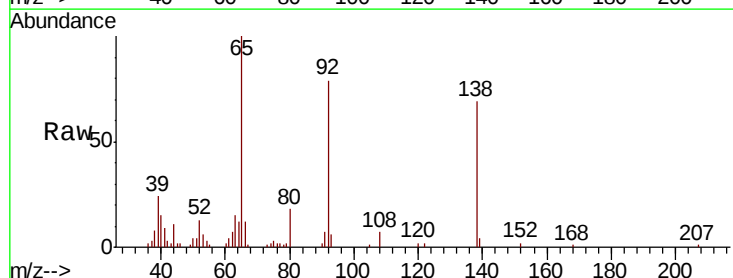
Tgt Ion:138 Resp: 29925

Ion Ratio Lower Upper

138 100

108 10.0 9.4 14.2

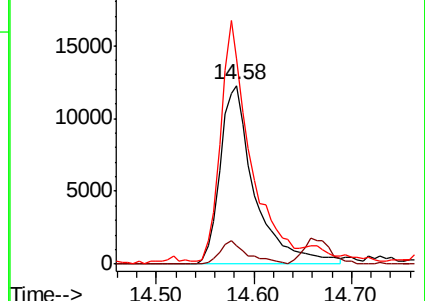
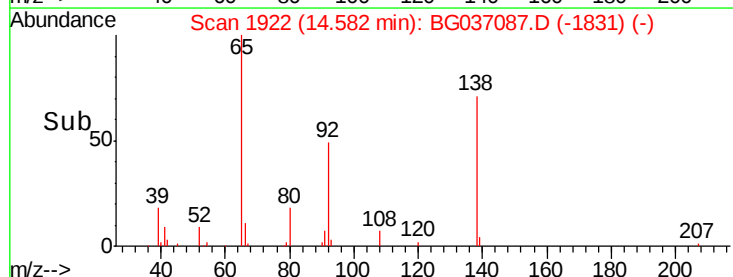
92 114.9 96.8 145.2

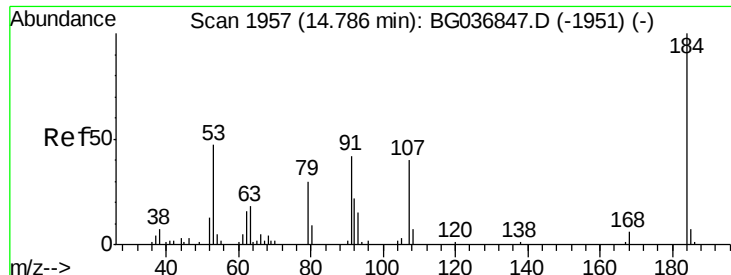


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

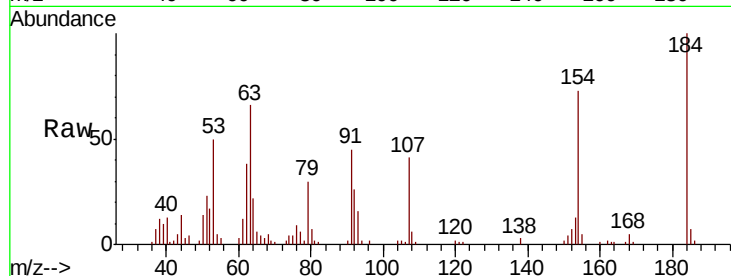




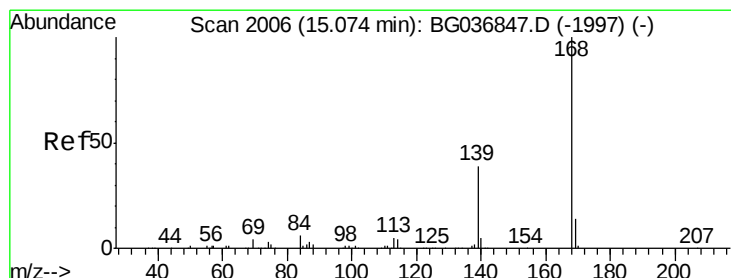
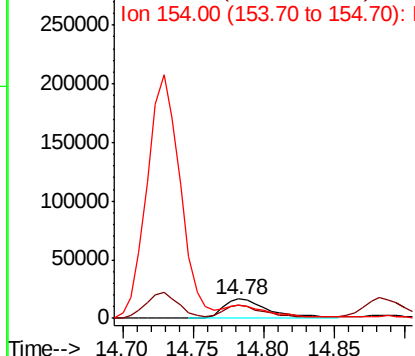
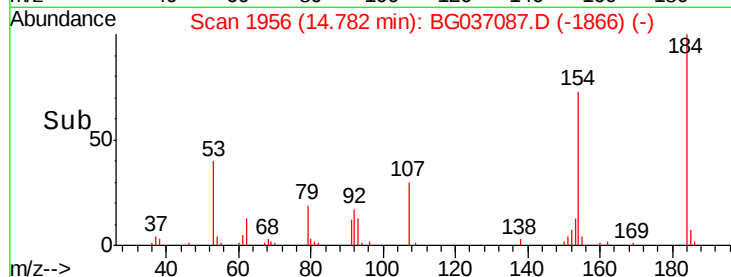
#53
 2,4-Dinitrophenol
 Concen: 36.013 ng
 RT: 14.78 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:184 Resp: 36569
 Ion Ratio Lower Upper
 184 100
 63 66.0 47.3 70.9
 154 72.6 51.1 76.7

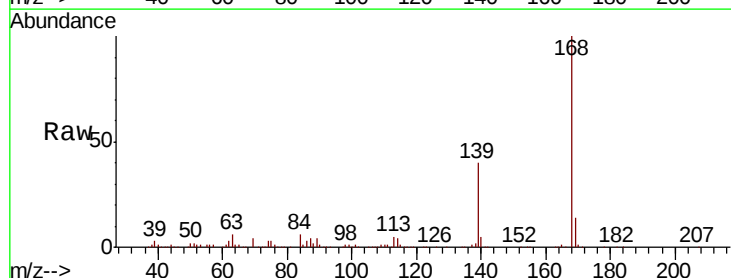


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

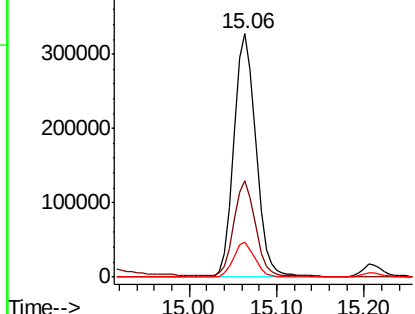
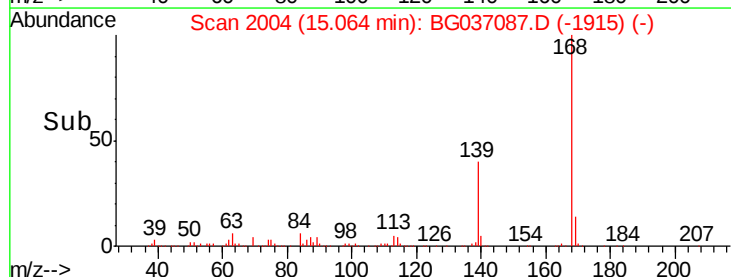


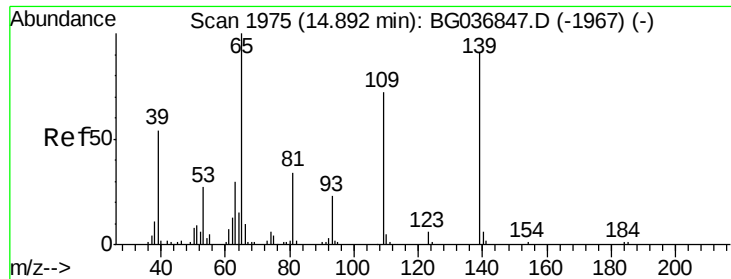
#54
 Dibenzofuran
 Concen: 41.120 ng
 RT: 15.06 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:168 Resp: 562058
 Ion Ratio Lower Upper
 168 100
 139 39.6 31.0 46.6
 169 14.2 11.1 16.7



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

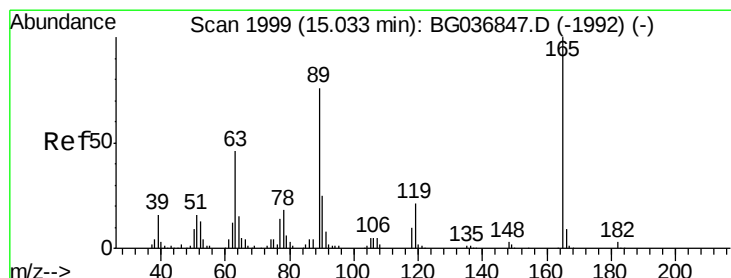
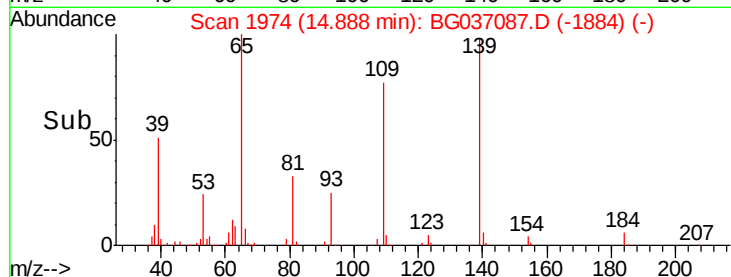
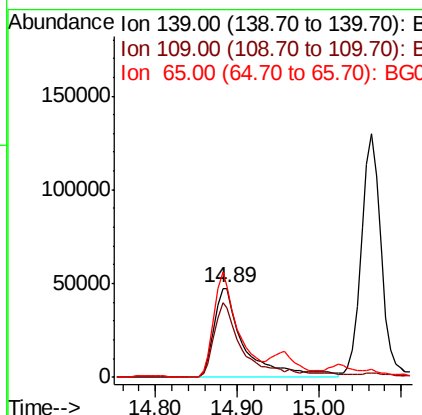
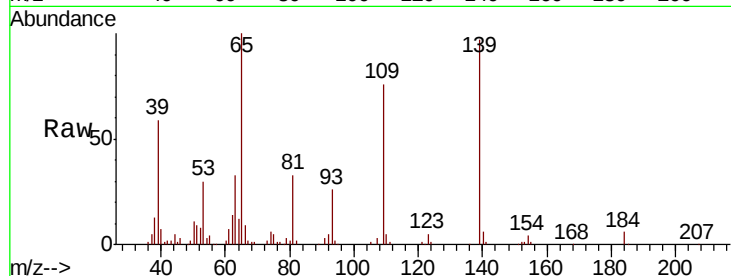




#55
4-Nitrophenol
Concen: 73.853 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

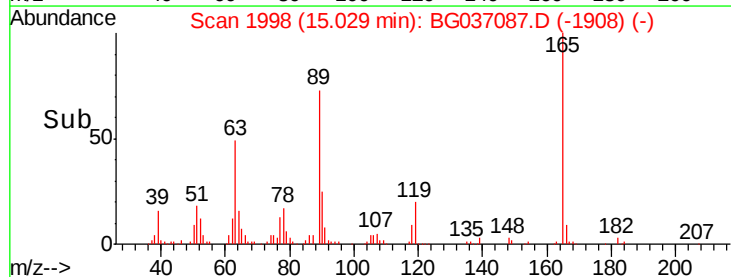
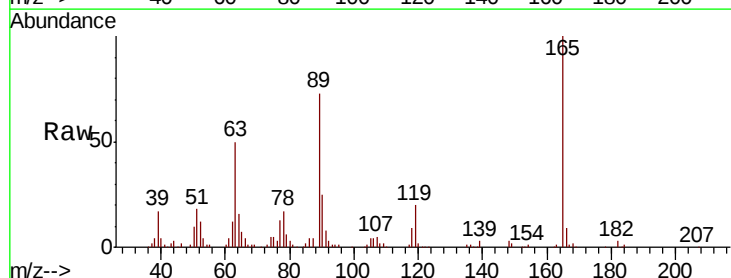
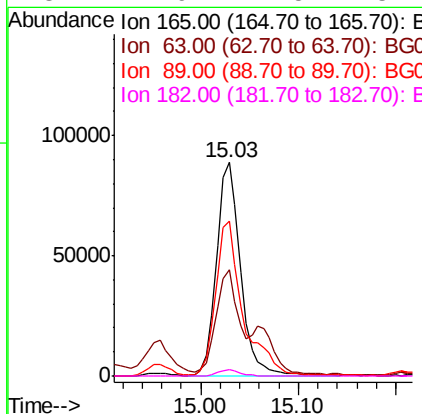
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

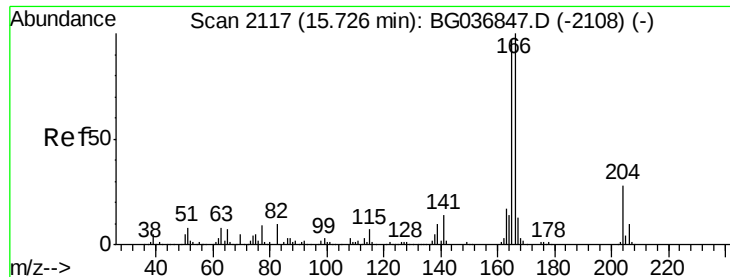
Tgt Ion:139 Resp: 123698
Ion Ratio Lower Upper
139 100
109 78.0 63.9 103.9
65 103.0 90.0 130.0



#56
2,4-Dinitrotoluene
Concen: 43.449 ng
RT: 15.03 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:165 Resp: 150847
Ion Ratio Lower Upper
165 100
63 49.7 40.1 60.1
89 72.5 63.7 95.5
182 2.9 2.5 3.7





#57

Fluorene

Concen: 45.045 ng

RT: 15.71 min Scan# 2114

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

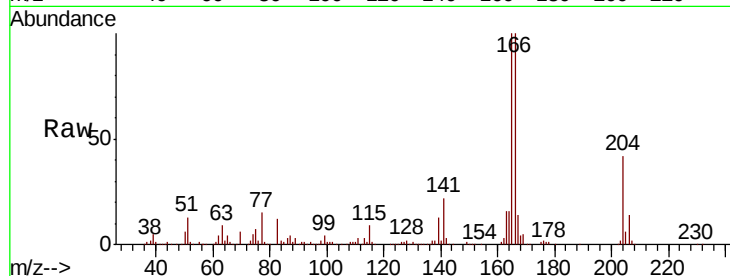
Tgt Ion:166 Resp: 460206

Ion Ratio Lower Upper

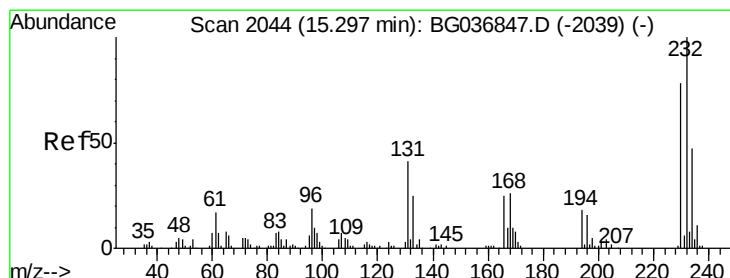
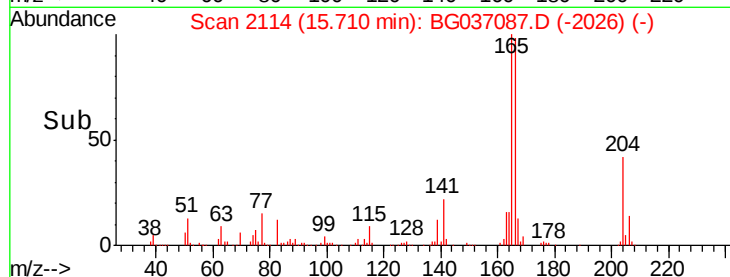
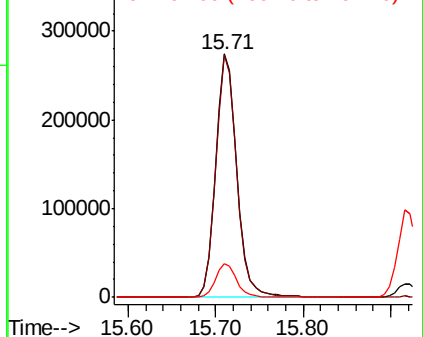
166 100

165 99.7 77.0 115.4

167 14.1 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.022 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Tgt Ion:232 Resp: 133631

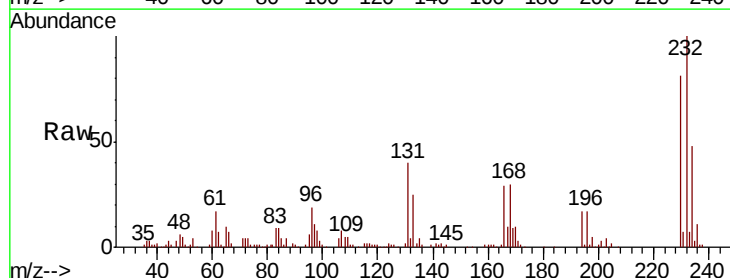
Ion Ratio Lower Upper

232 100

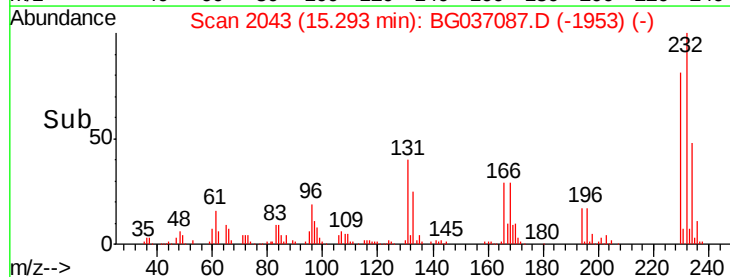
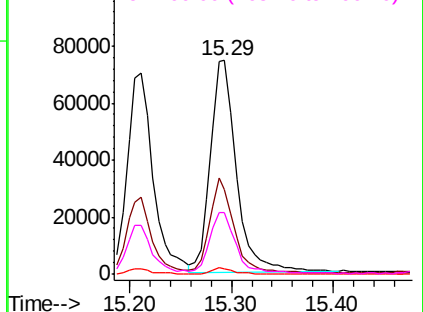
131 41.9 33.8 50.8

130 2.3 2.1 3.1

166 27.7 22.3 33.5



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

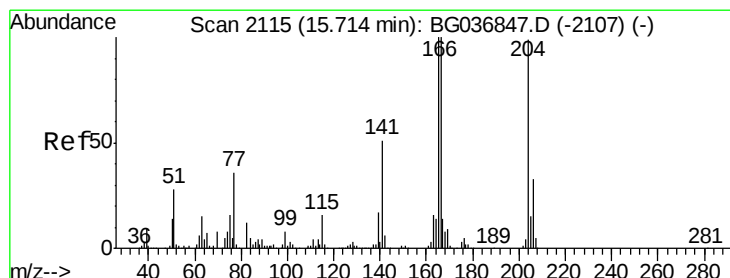
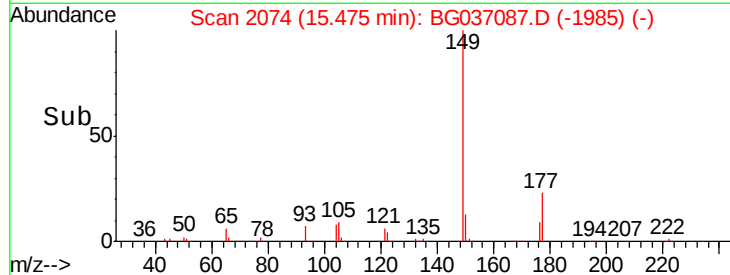
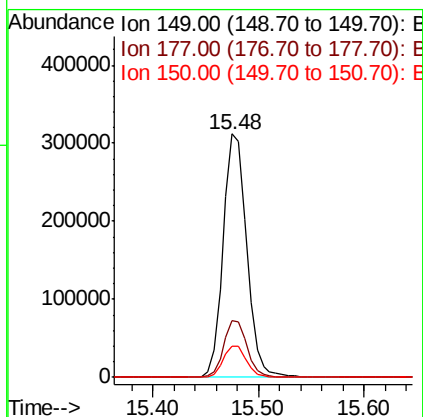
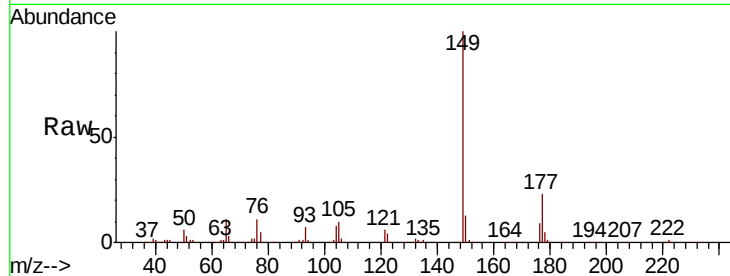




#59
Diethylphthalate
Concen: 42.052 ng
RT: 15.48 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

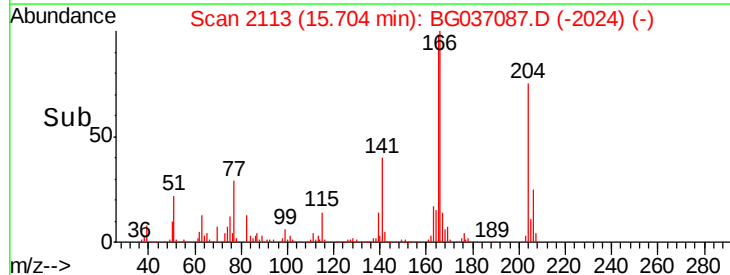
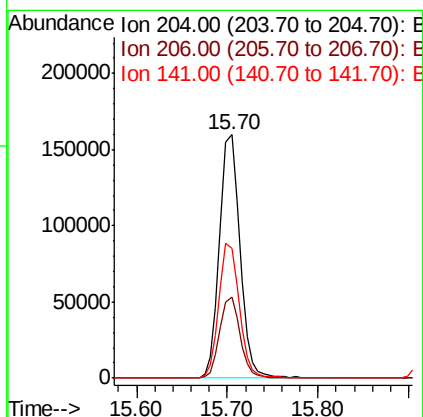
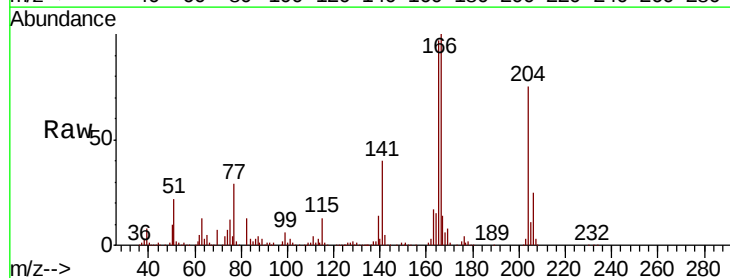
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

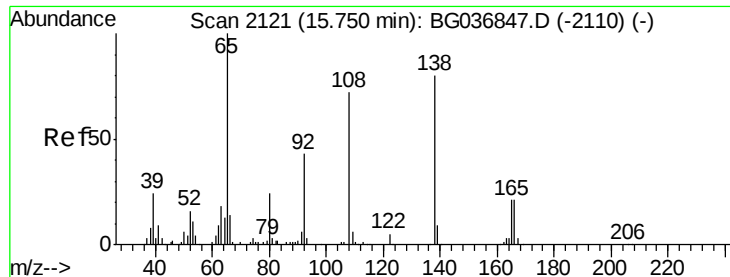
Tgt Ion:149 Resp: 483676
Ion Ratio Lower Upper
149 100
177 23.3 19.1 28.7
150 13.0 10.7 16.1



#60
4-Chlorophenyl-phenylether
Concen: 38.891 ng
RT: 15.70 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:204 Resp: 251630
Ion Ratio Lower Upper
204 100
206 33.4 27.0 40.4
141 53.3 43.8 65.6





#61

4-Nitroaniline

Concen: 41.072 ng

RT: 15.74 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

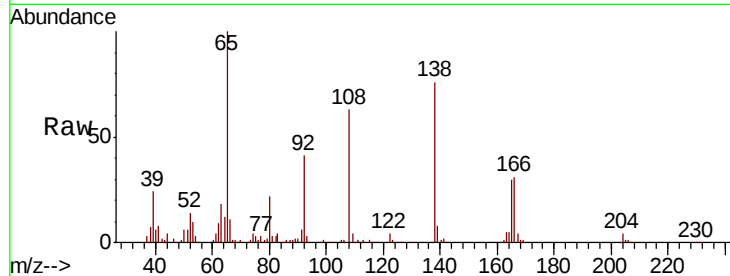
Tgt Ion:138 Resp: 113270

Ion Ratio Lower Upper

138 100

92 53.5 38.5 78.5

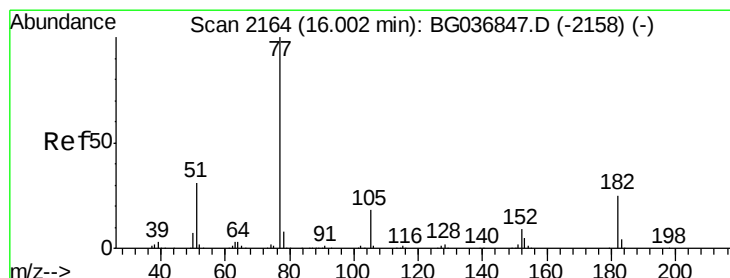
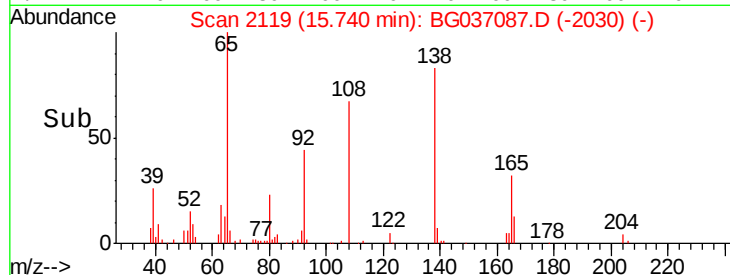
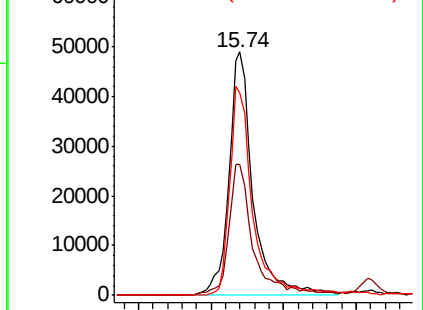
108 83.4 70.3 110.3



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



#62

Azobenzene

Concen: 44.018 ng

RT: 16.00 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Tgt Ion: 77 Resp: 486471

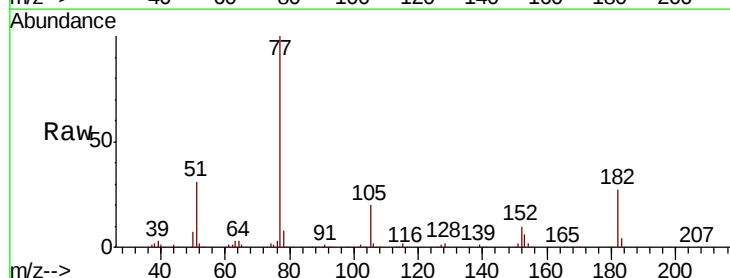
Ion Ratio Lower Upper

77 100

182 27.4 6.7 46.7

105 20.0 0.0 39.8

51 30.9 12.4 52.4

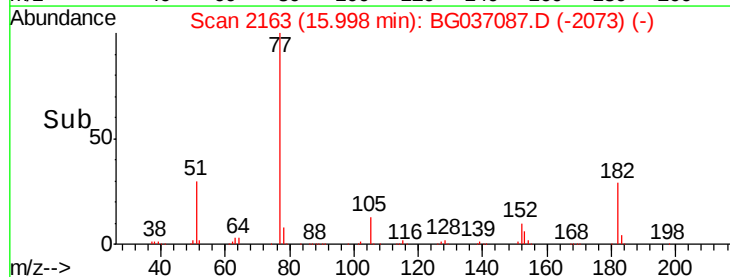
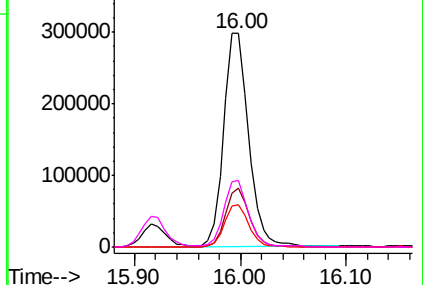


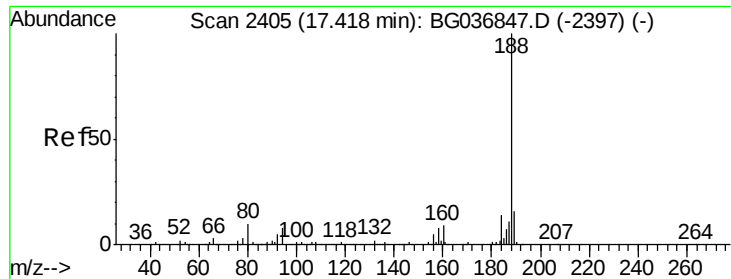
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

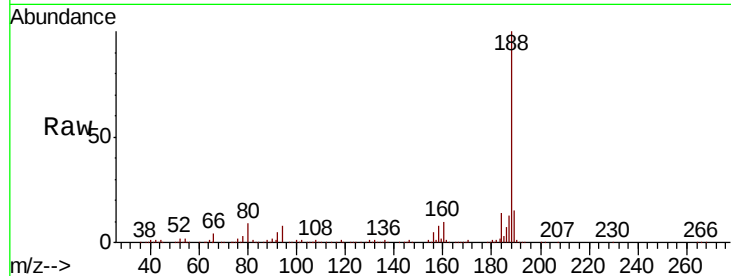
Tgt Ion:188 Resp: 349985

Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

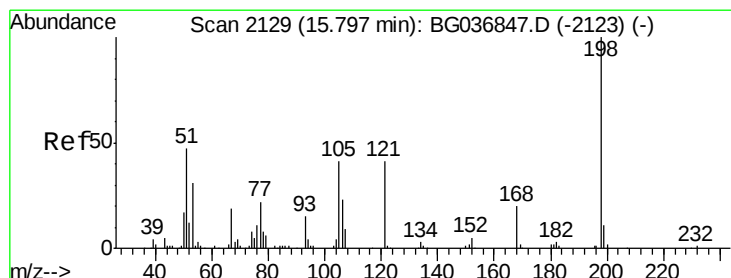
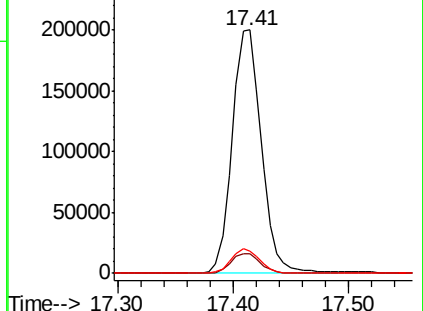
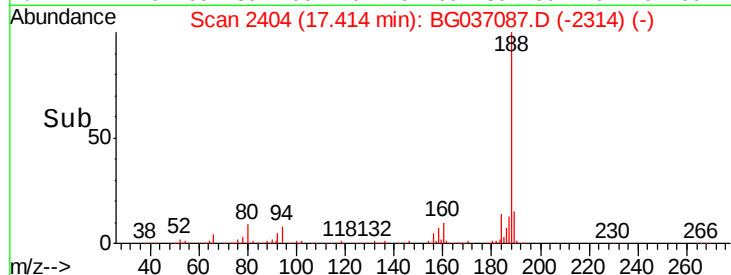
80 9.0 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 29.841 ng

RT: 15.79 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

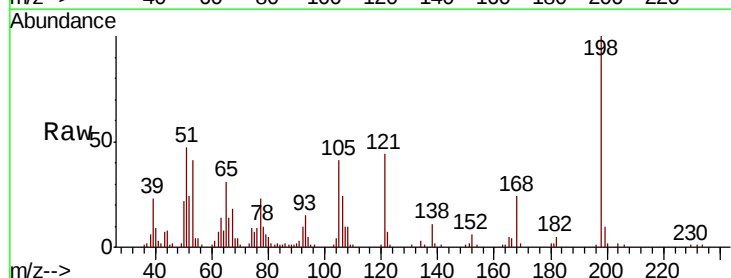
Tgt Ion:198 Resp: 54603

Ion Ratio Lower Upper

198 100

51 47.1 26.5 66.5

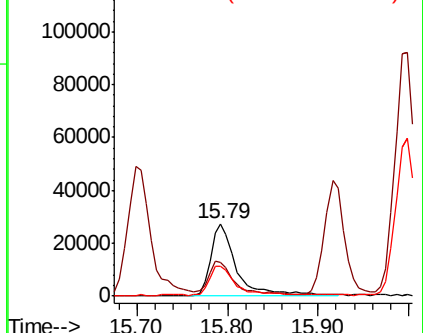
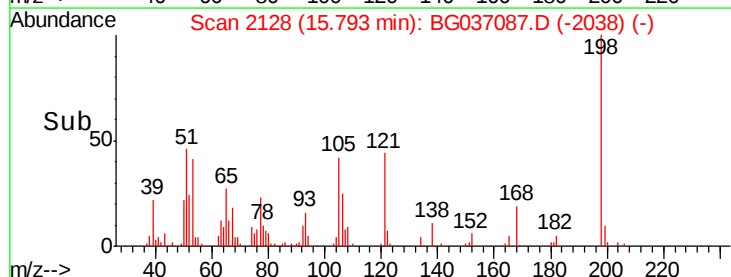
105 41.3 20.2 60.2

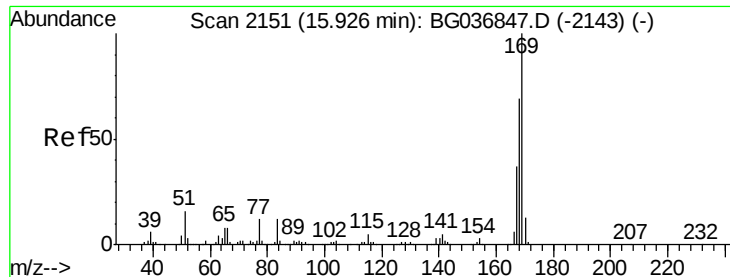


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

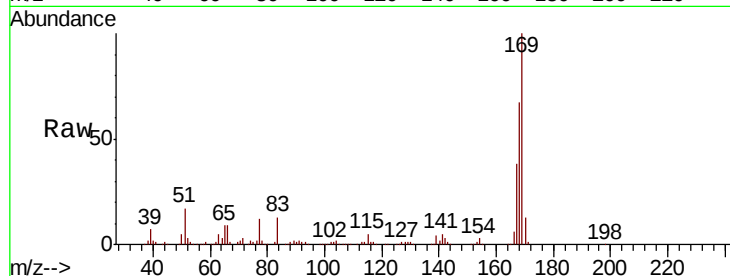




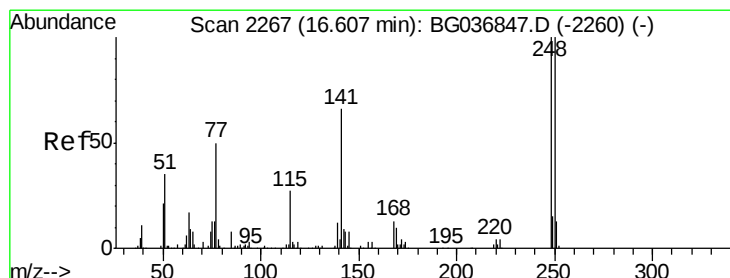
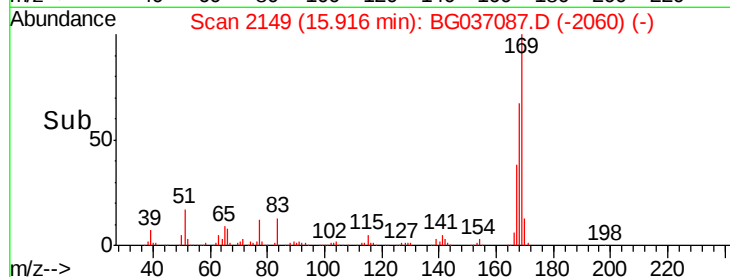
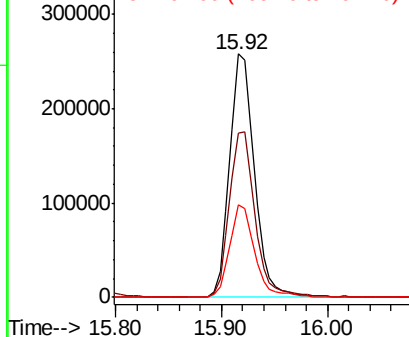
#65
 n-Nitrosodiphenylamine
 Concen: 43.293 ng
 RT: 15.92 min Scan# 2149
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:169 Resp: 418300
 Ion Ratio Lower Upper
 169 100
 168 67.3 57.6 86.4
 167 37.9 31.0 46.4

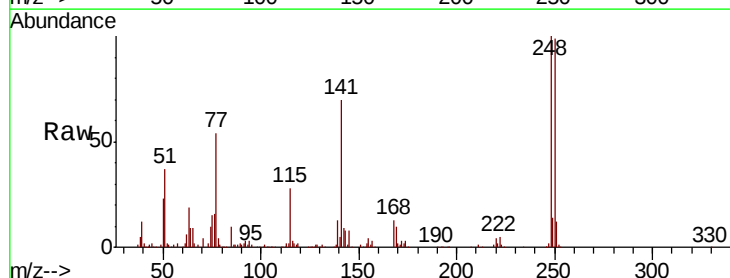


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

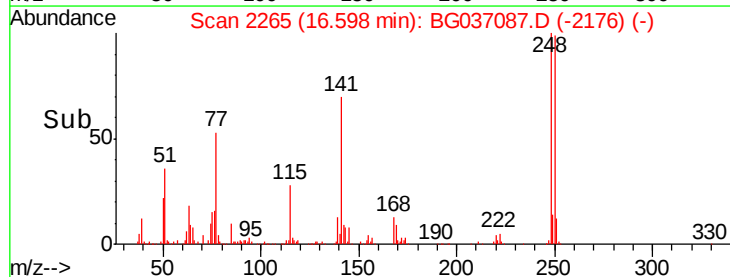
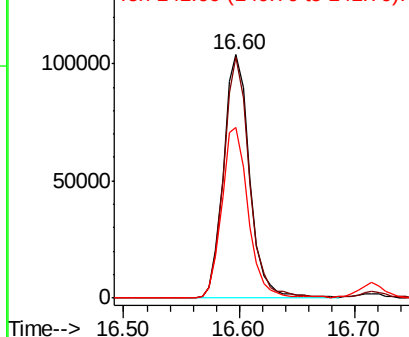


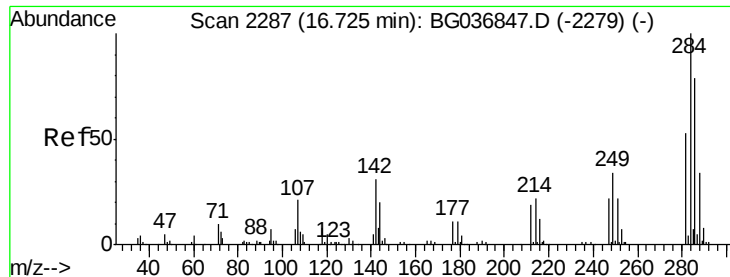
#66
 4-Bromophenyl-phenylether
 Concen: 41.066 ng
 RT: 16.60 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:248 Resp: 163481
 Ion Ratio Lower Upper
 248 100
 250 98.9 78.1 117.1
 141 70.4 53.7 80.5



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

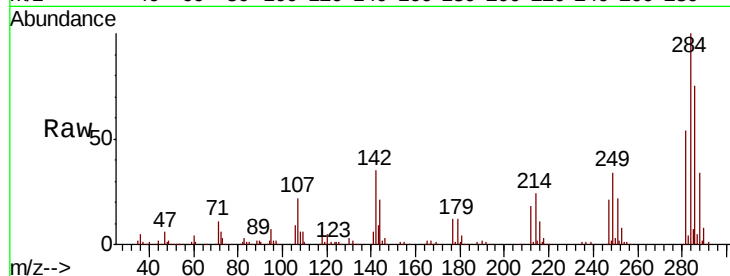




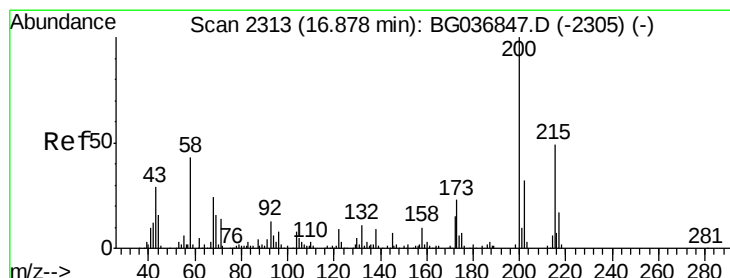
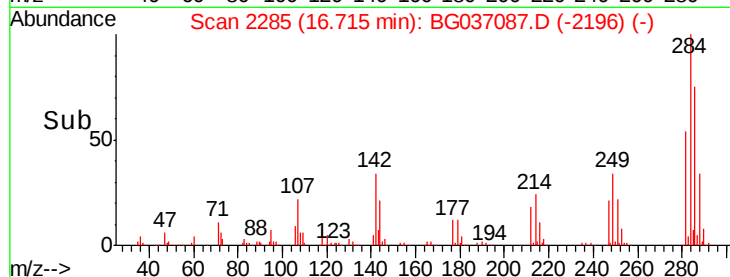
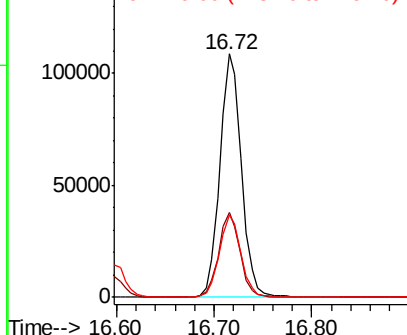
#67
Hexachlorobenzene
Concen: 40.459 ng
RT: 16.72 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

Tgt Ion: 284 Resp: 165882
Ion Ratio Lower Upper
284 100
142 34.6 27.8 41.6
249 33.6 27.4 41.2

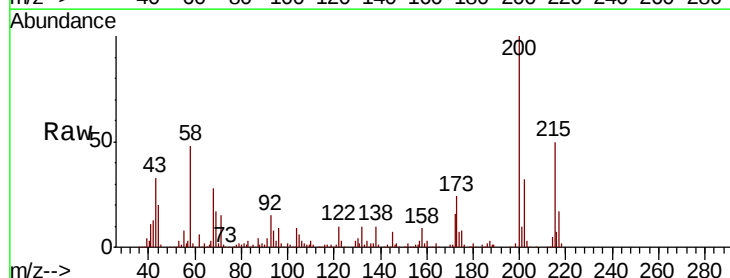


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

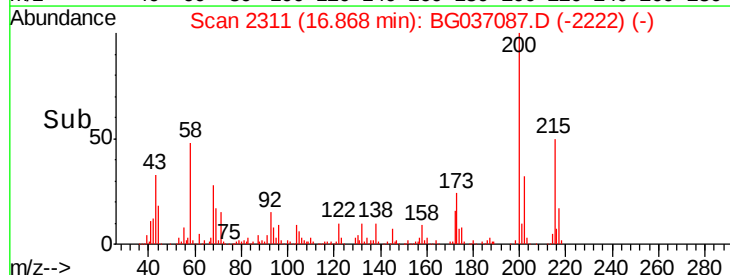
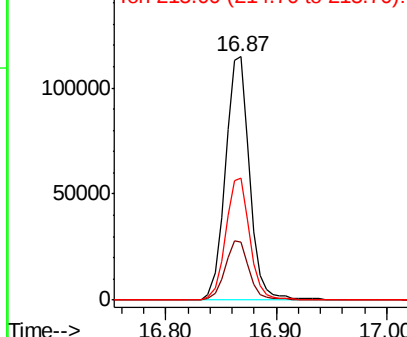


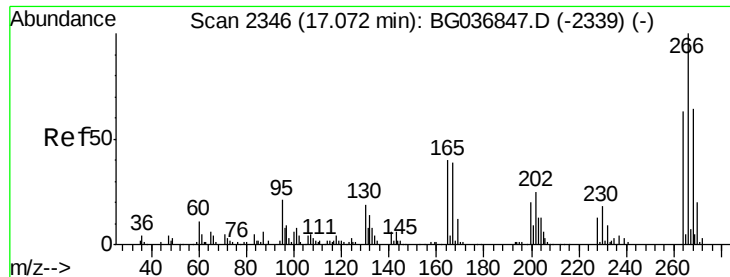
#68
Atrazine
Concen: 44.974 ng
RT: 16.87 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion: 200 Resp: 175950
Ion Ratio Lower Upper
200 100
173 24.1 3.9 43.9
215 50.1 30.4 70.4



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

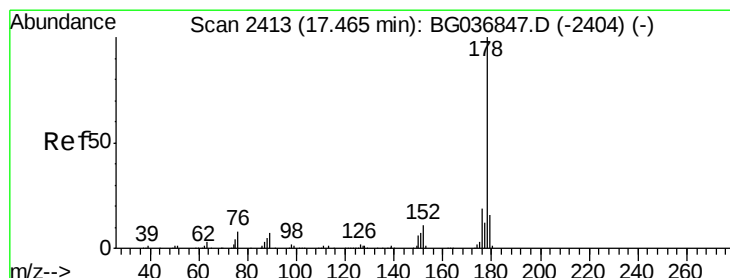
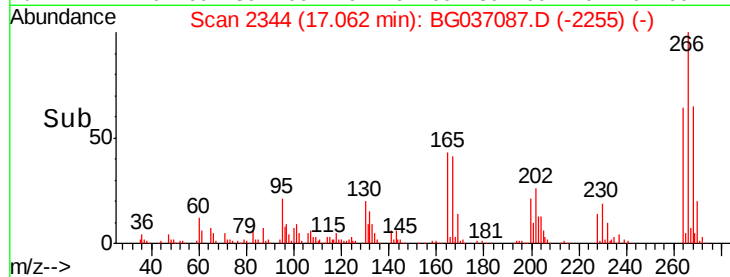
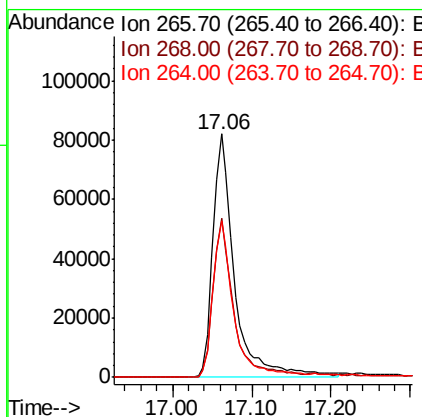
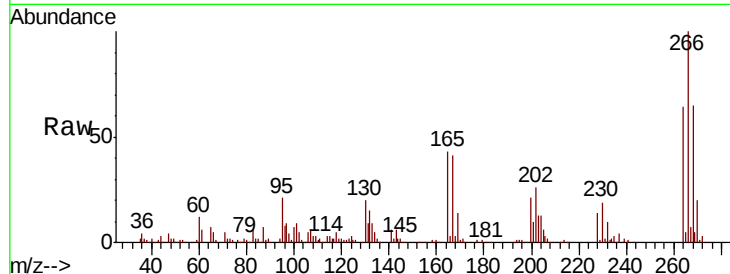




#69
 Pentachlorophenol
 Concen: 60.317 ng
 RT: 17.06 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

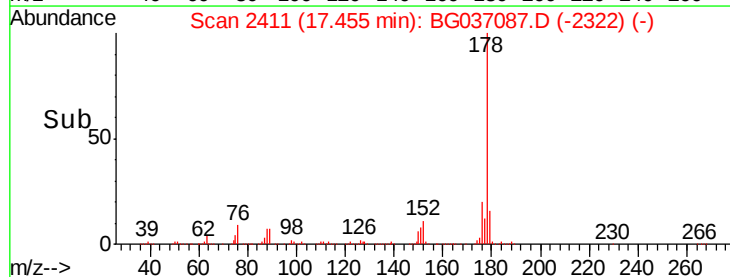
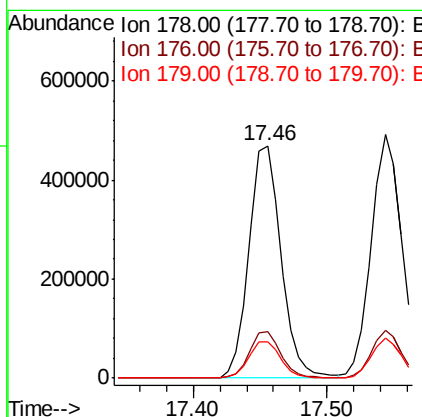
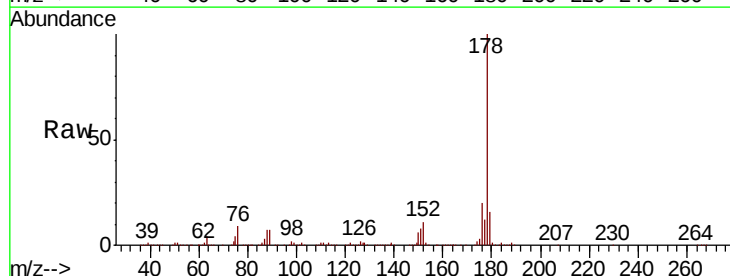
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

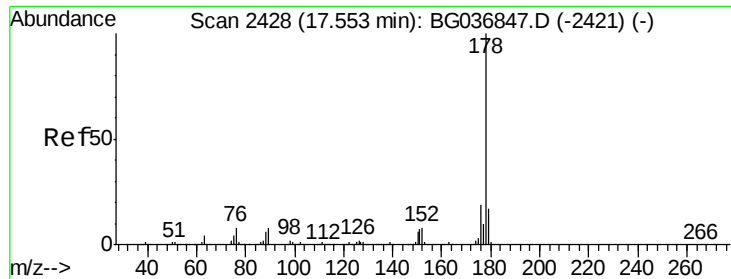
Tgt Ion:266 Resp: 155701
 Ion Ratio Lower Upper
 266 100
 268 65.2 51.4 77.2
 264 64.3 48.9 73.3



#70
 Phenanthrene
 Concen: 46.186 ng
 RT: 17.46 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:178 Resp: 778947
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.4 23.2
 179 15.6 13.4 20.2

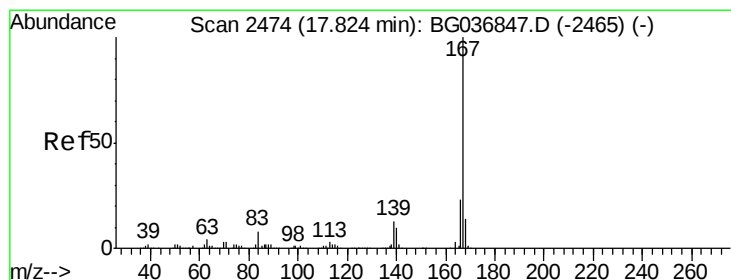
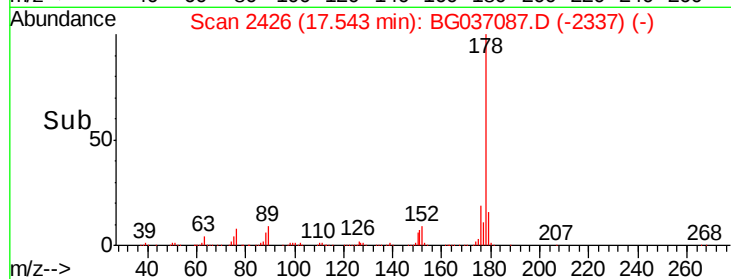
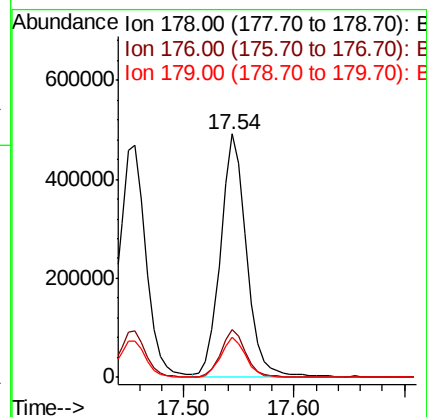
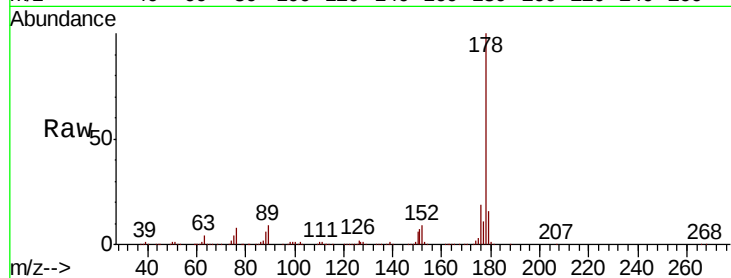




#71
 Anthracene
 Concen: 47.744 ng
 RT: 17.54 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

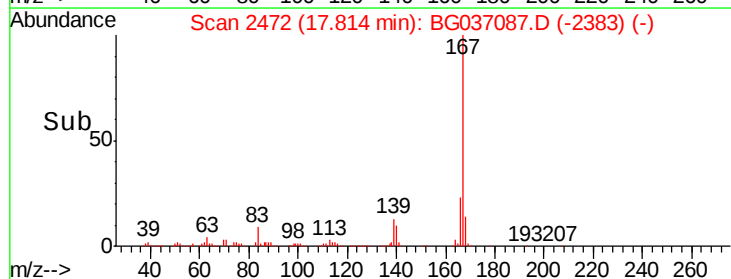
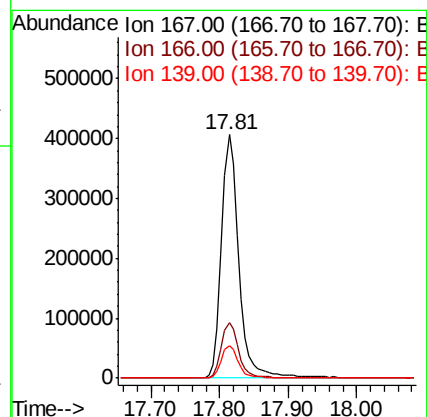
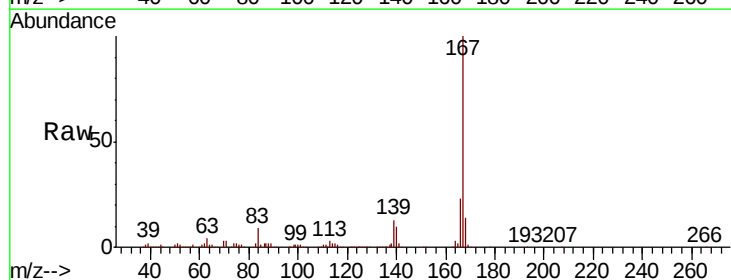
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

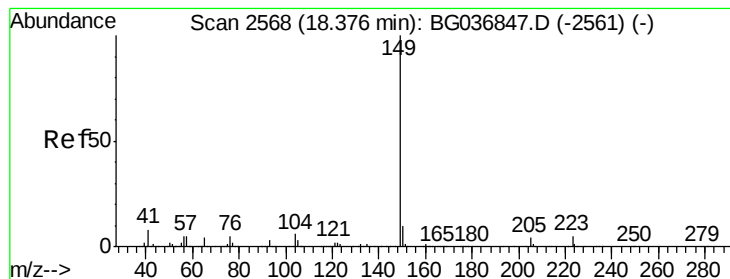
Tgt Ion:178 Resp: 796214
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 16.4 13.0 19.4



#72
 Carbazole
 Concen: 43.742 ng
 RT: 17.81 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:167 Resp: 711242
 Ion Ratio Lower Upper
 167 100
 166 22.9 19.5 29.3
 139 13.2 10.7 16.1





#73

Di-n-butylphthalate

Concen: 45.938 ng

RT: 18.37 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

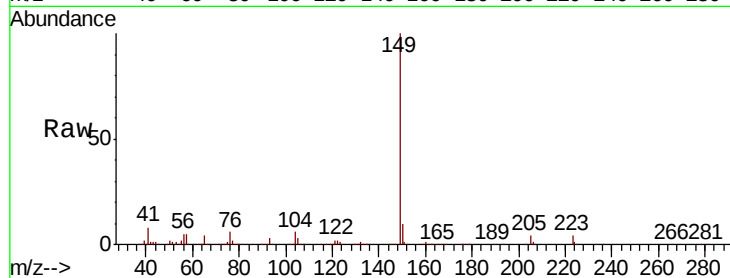
Tgt Ion:149 Resp: 829517

Ion Ratio Lower Upper

149 100

150 10.0 8.1 12.1

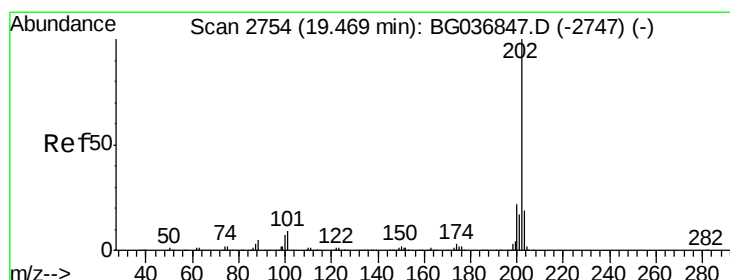
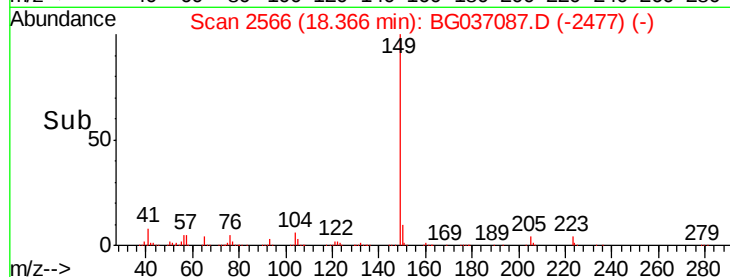
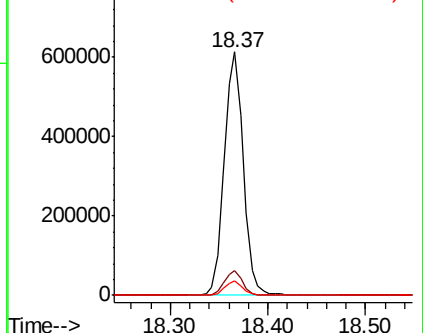
104 6.0 4.6 6.8



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



#74

Fluoranthene

Concen: 46.840 ng

RT: 19.46 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

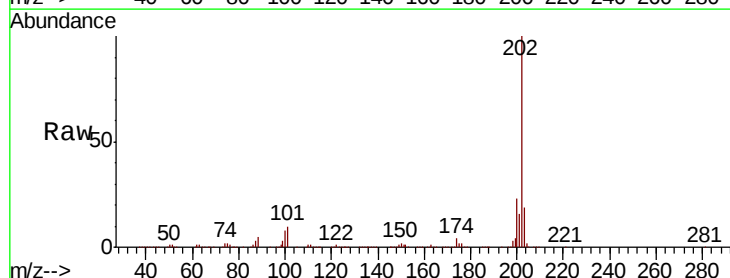
Tgt Ion:202 Resp: 950918

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.4

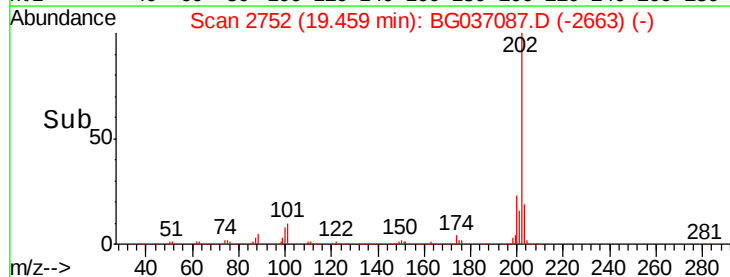
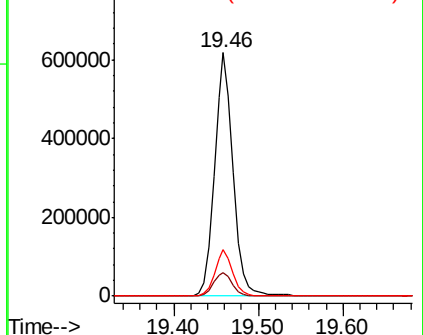
203 19.0 0.0 38.9

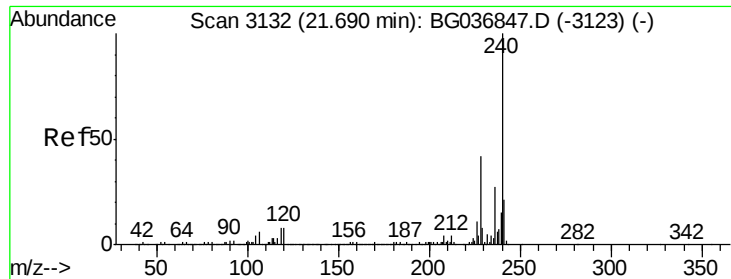


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

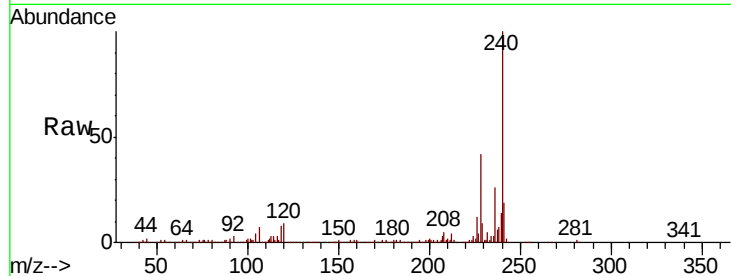
Tgt Ion:240 Resp: 358129

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

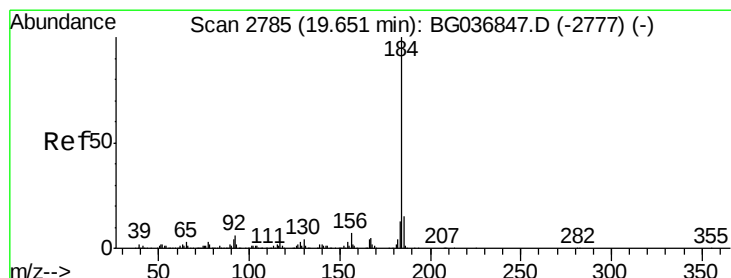
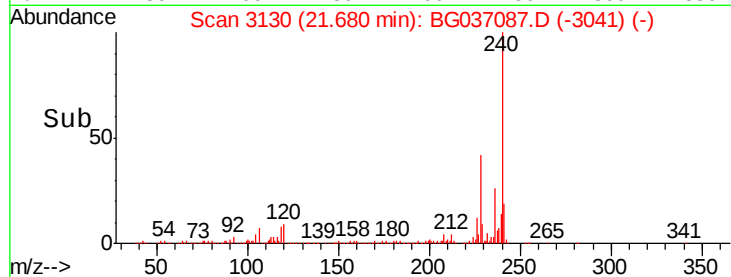
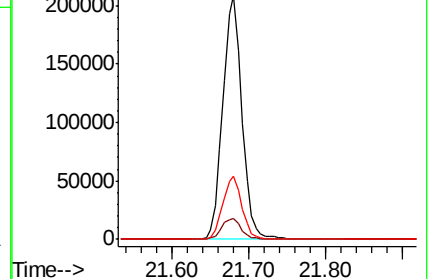
236 26.0 21.2 31.8



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



#76

Benzidine

Concen: 15.503 ng

RT: 19.64 min Scan# 2783

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

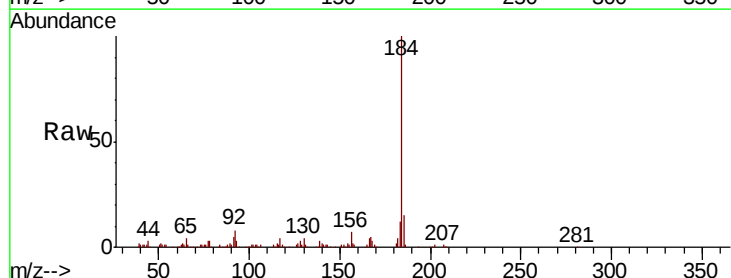
Tgt Ion:184 Resp: 167842

Ion Ratio Lower Upper

184 100

185 15.2 12.6 18.8

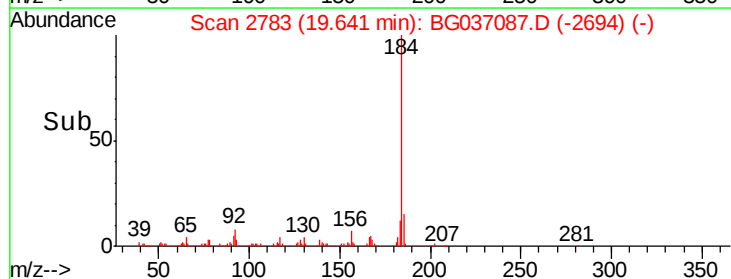
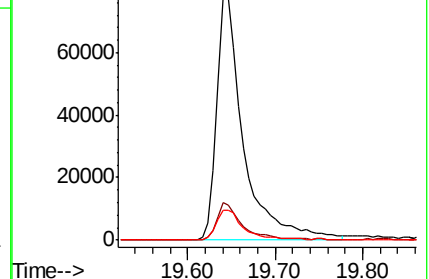
183 12.4 10.9 16.3

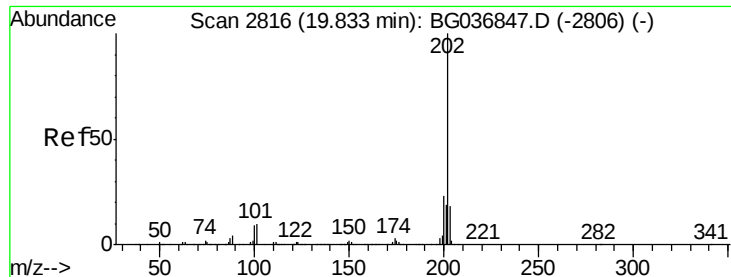


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

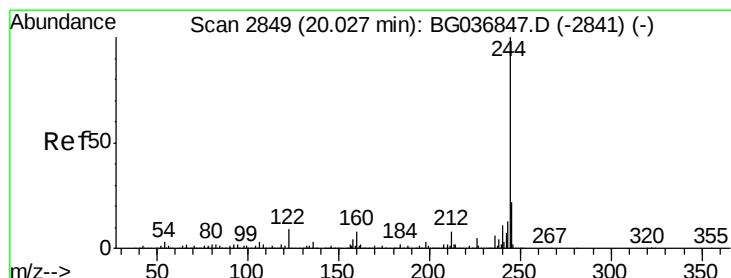
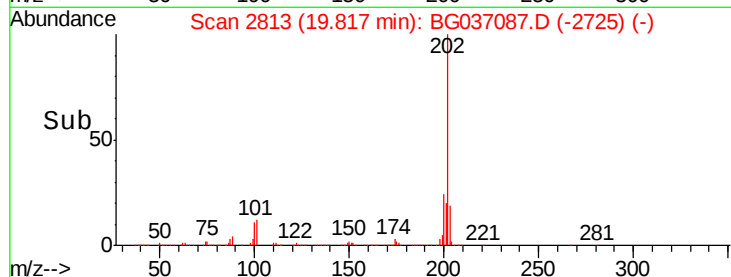
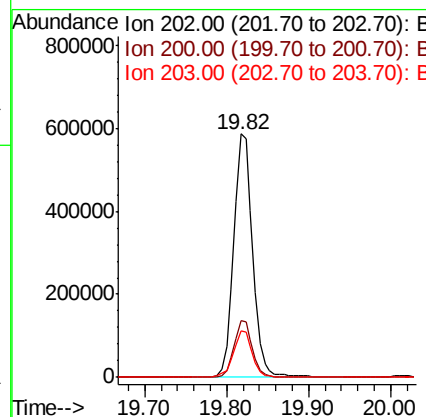
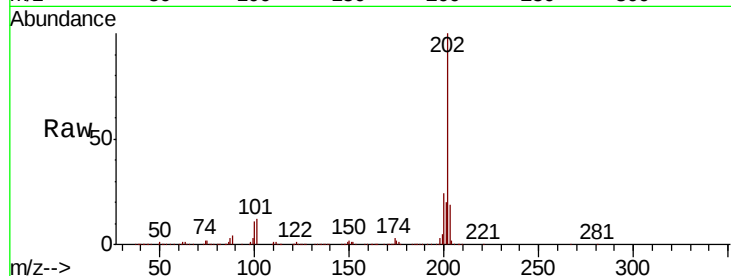




#77
 Pyrene
 Concen: 43.906 ng
 RT: 19.82 min Scan# 2813
 Delta R.T. -0.02 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

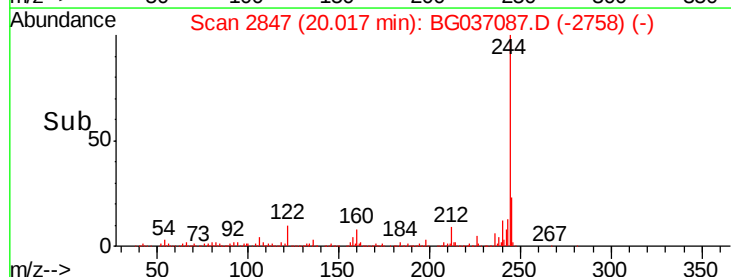
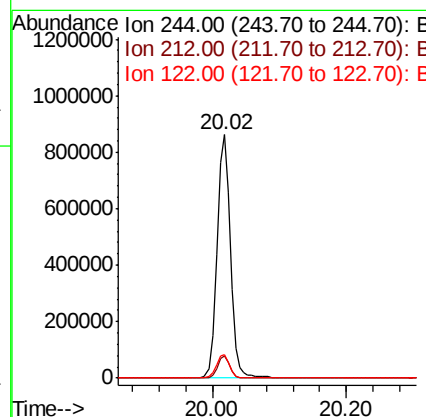
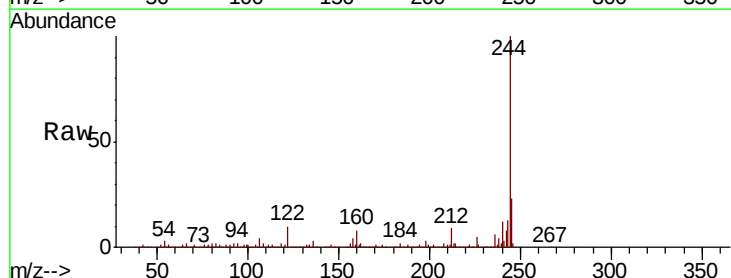
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

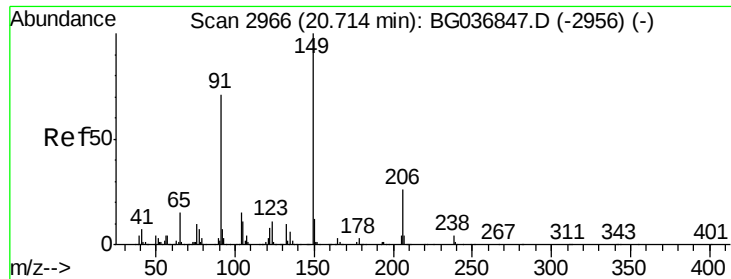
Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.5	18.3	27.5
203	19.2	15.1	22.7



#78
 Terphenyl-d14
 Concen: 89.555 ng
 RT: 20.02 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.0	7.0	10.6
122	9.7	7.1	10.7

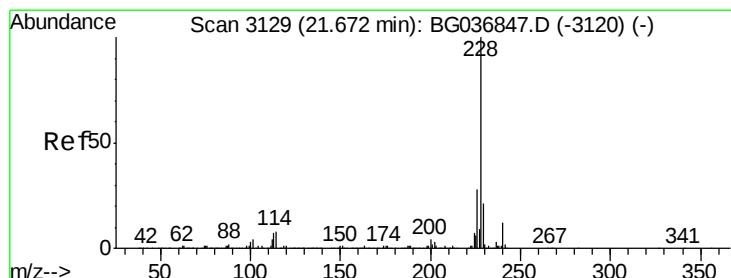
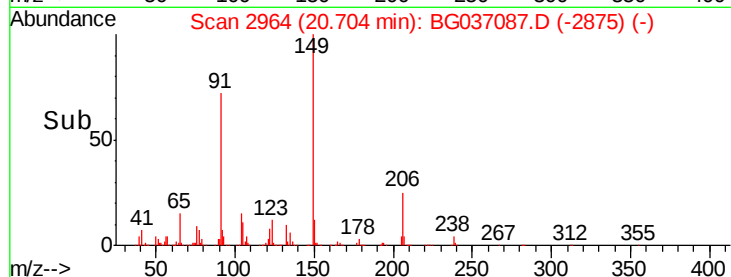
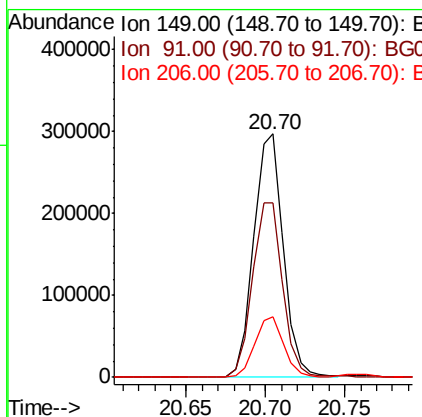
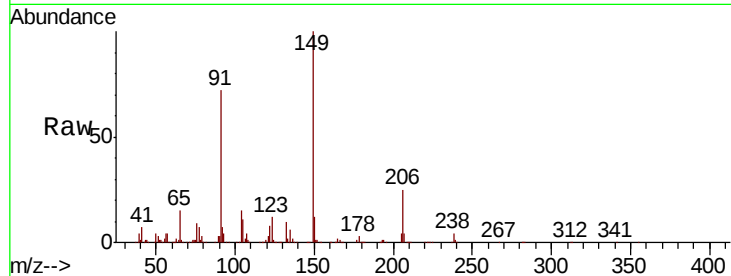




#79
Butylbenzylphthalate
Concen: 45.105 ng
RT: 20.70 min Scan# 2964
Delta R.T. -0.01 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

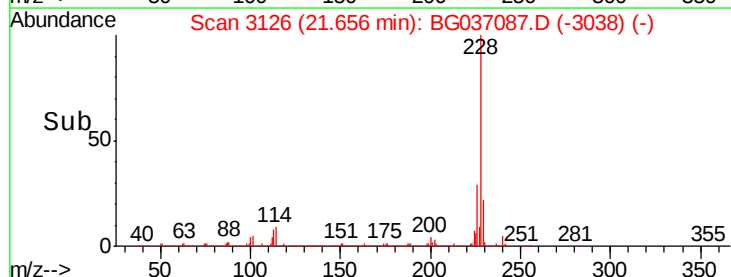
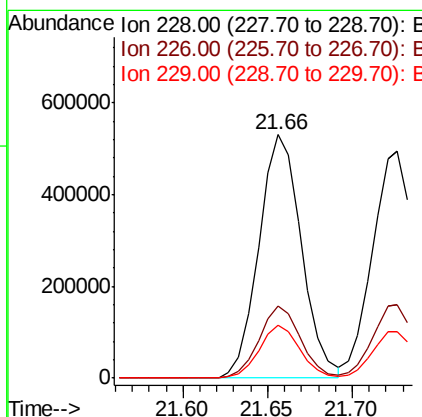
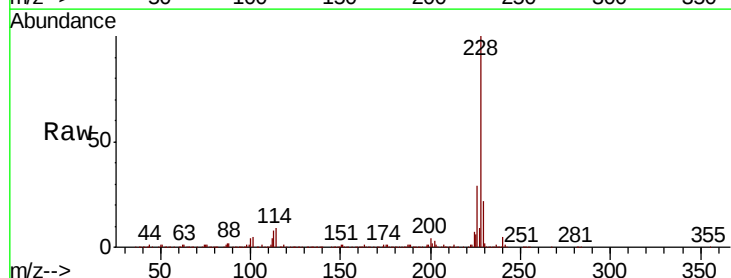
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

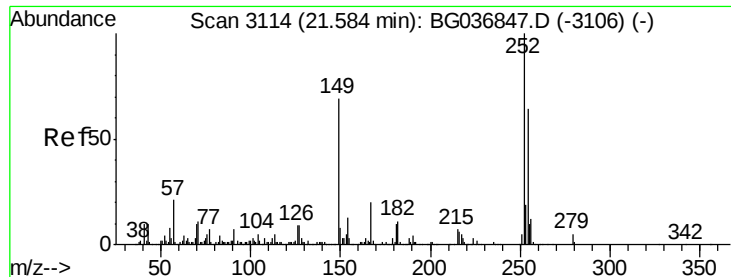
Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.6	62.0	93.0
206	25.0	19.6	29.4



#80
Benzo(a)anthracene
Concen: 44.360 ng
RT: 21.66 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	21.5	17.1	25.7

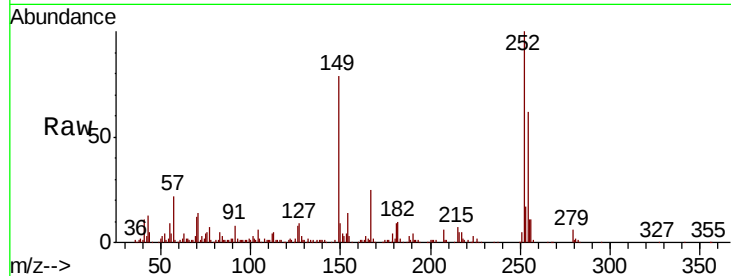




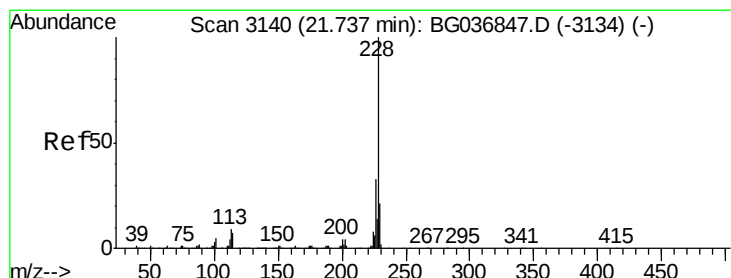
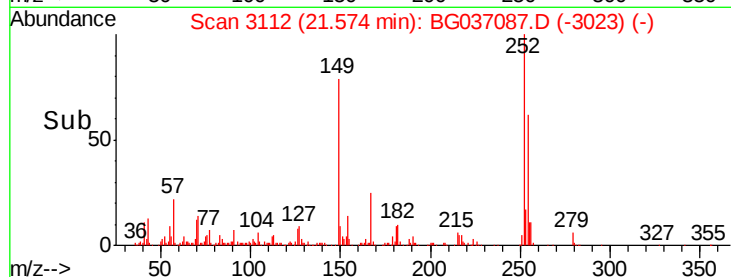
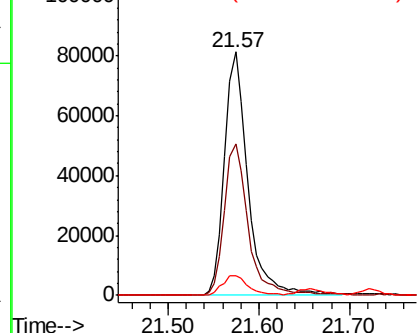
#81
 3,3'-Dichlorobenzidine
 Concen: 18.371 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:252 Resp: 146185
 Ion Ratio Lower Upper
 252 100
 254 62.3 51.0 76.4
 126 8.0 7.4 11.0

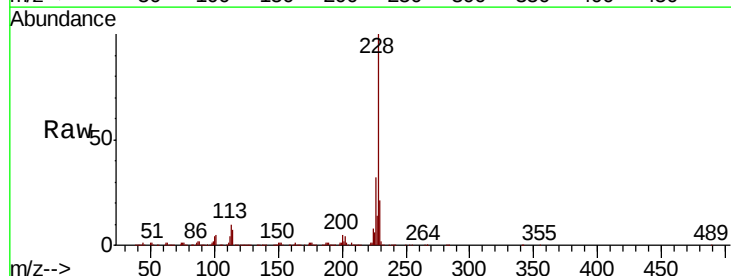


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

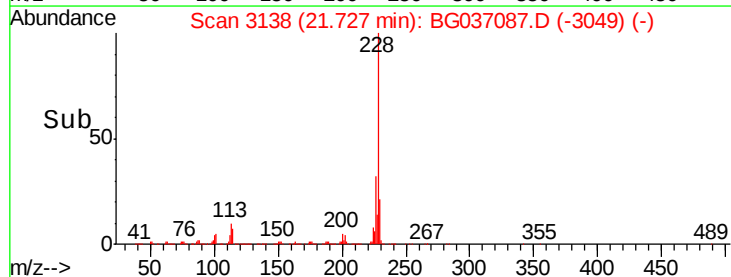
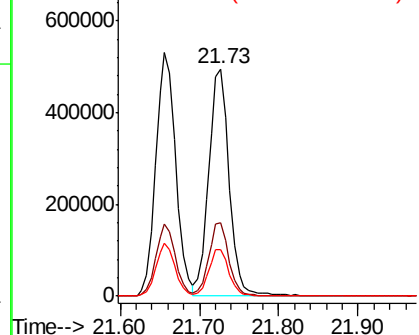


#82
 Chrysene
 Concen: 43.913 ng
 RT: 21.73 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:228 Resp: 887011
 Ion Ratio Lower Upper
 228 100
 226 32.1 25.5 38.3
 229 20.7 16.9 25.3



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.072 ng

RT: 21.56 min Scan# 3109

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

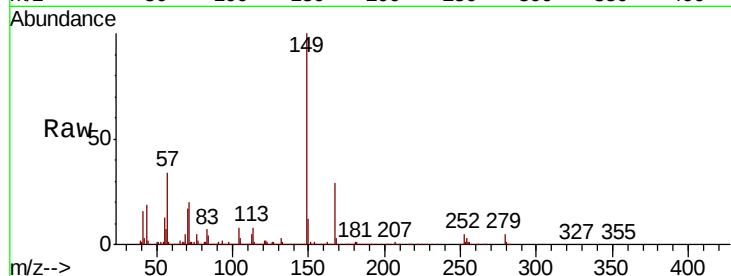
Tgt Ion:149 Resp: 539363

Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.0

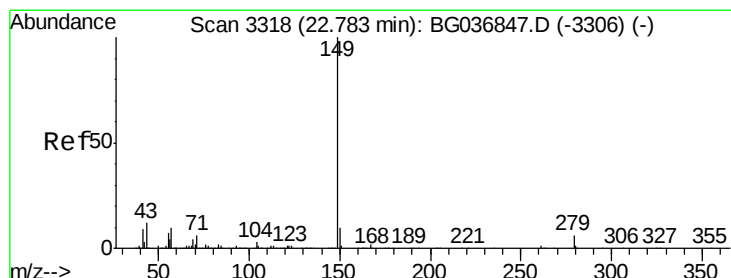
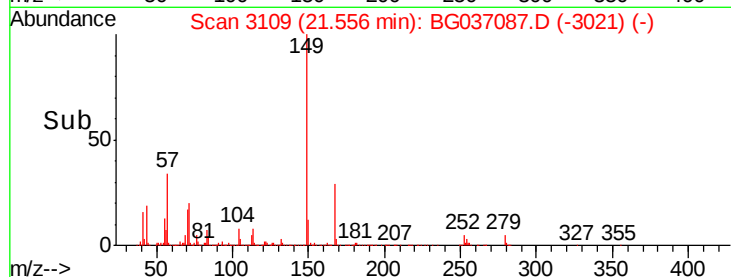
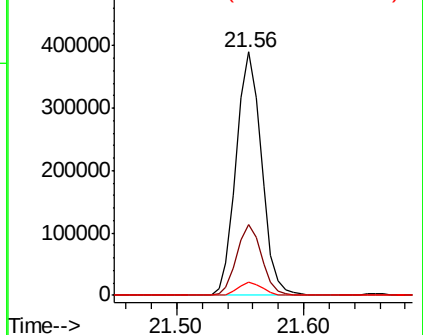
279 5.2 4.6 7.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.056 ng

RT: 22.76 min Scan# 3314

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

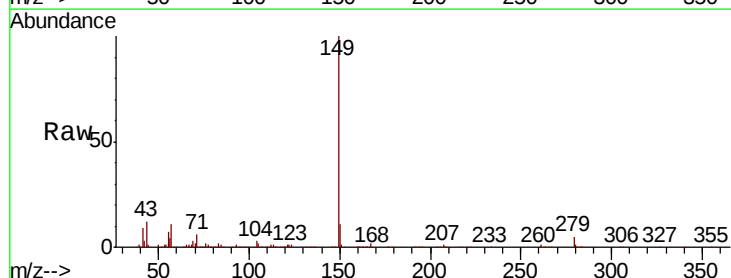
Tgt Ion:149 Resp: 907424

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

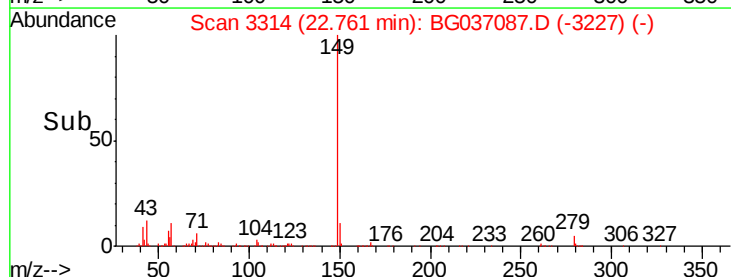
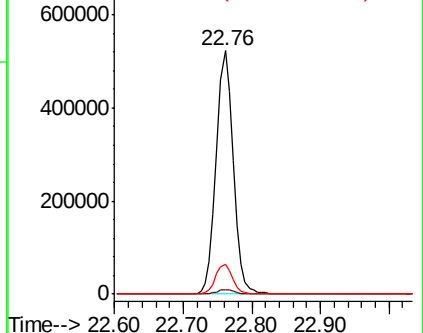
43 12.0 10.0 15.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC

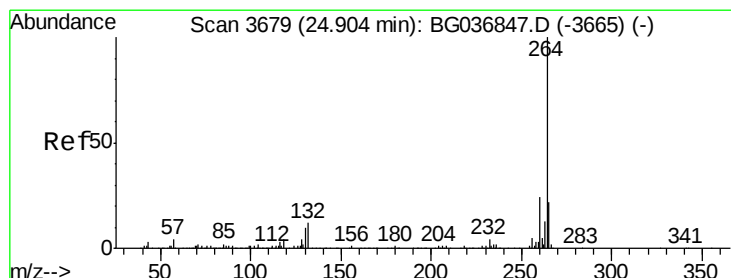
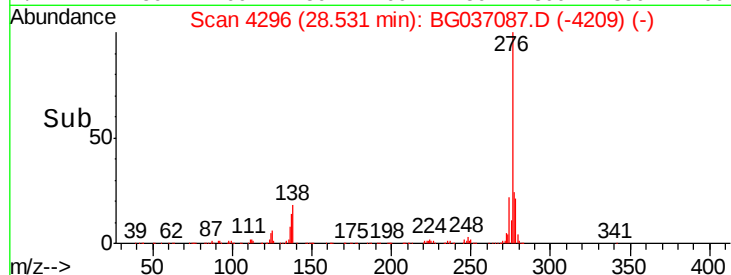
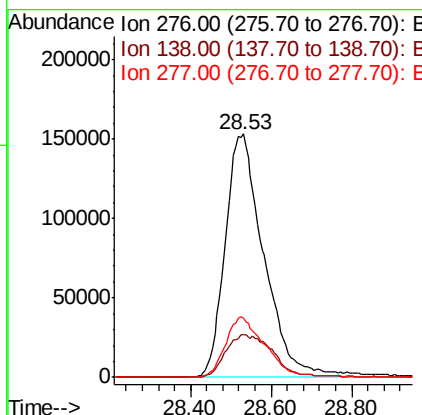
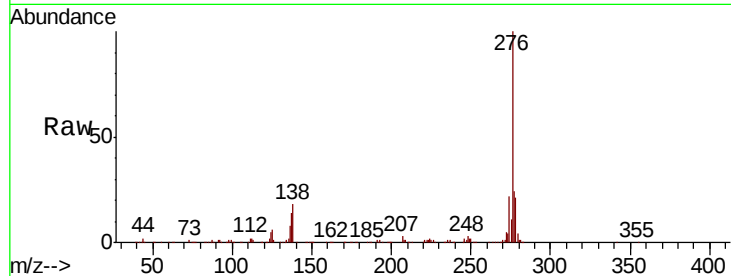




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 46.848 ng
 RT: 28.53 min Scan# 4296
 Delta R.T. -0.02 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

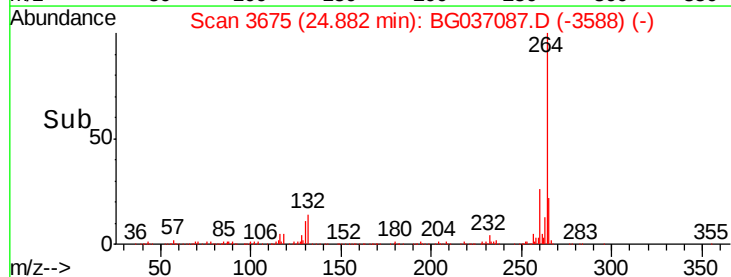
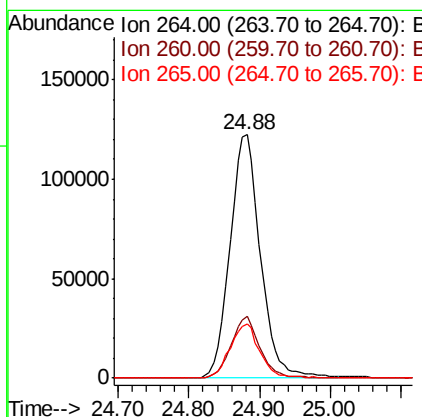
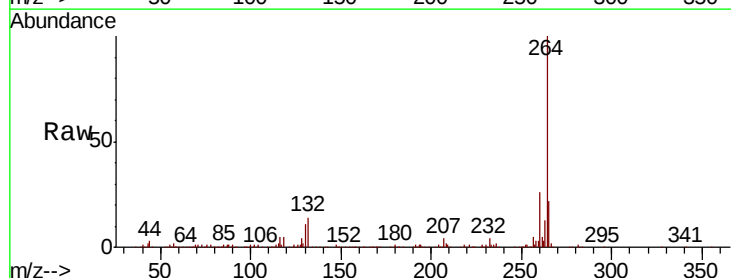
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MSD

Tgt Ion:276 Resp: 1016165
 Ion Ratio Lower Upper
 276 100
 138 11.0 10.6 15.8
 277 25.2 20.6 30.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.88 min Scan# 3675
 Delta R.T. -0.02 min
 Lab File: BG037087.D
 Acq: 1 Oct 2018 22:12

Tgt Ion:264 Resp: 366125
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.6 29.4
 265 22.1 17.4 26.0

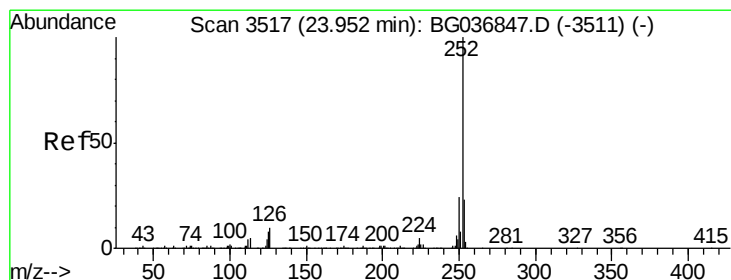
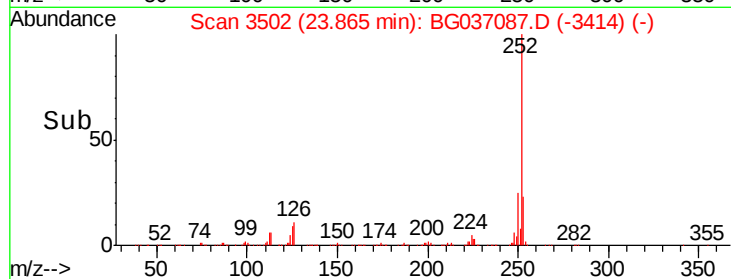
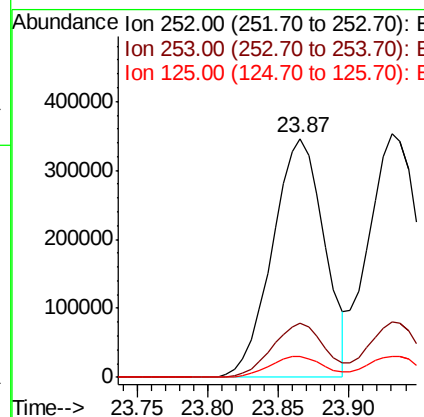
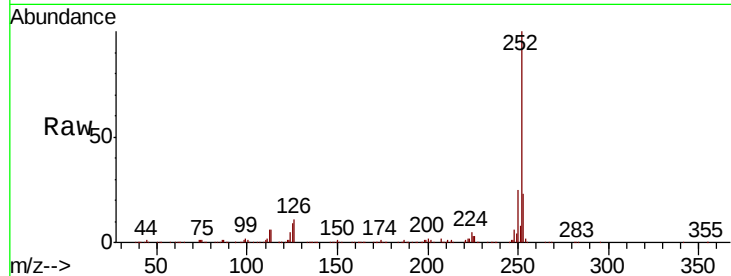




#87
Benzo(b)fluoranthene
Concen: 45.526 ng
RT: 23.87 min Scan# 3502
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

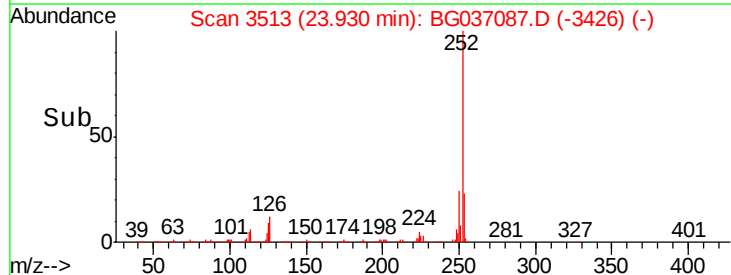
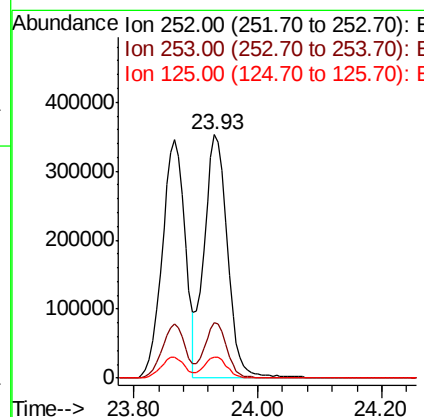
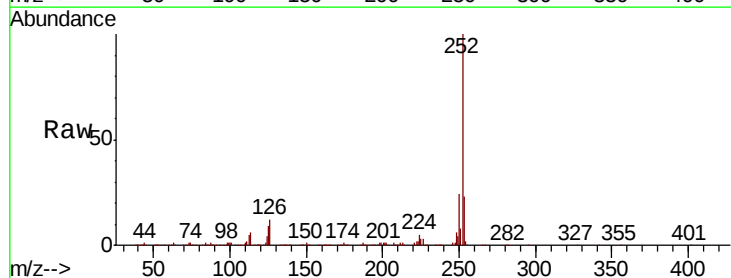
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MSD

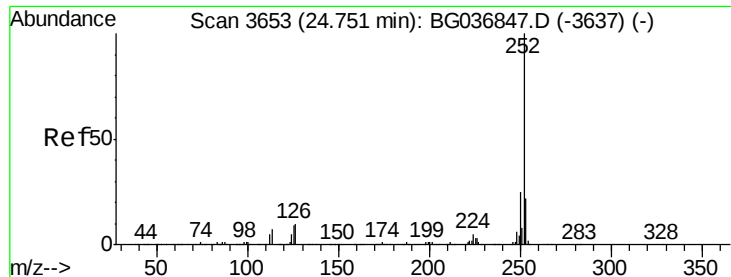
Tgt Ion:252 Resp: 888297
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 9.0 6.6 10.0



#88
Benzo(k)fluoranthene
Concen: 46.854 ng
RT: 23.93 min Scan# 3513
Delta R.T. -0.02 min
Lab File: BG037087.D
Acq: 1 Oct 2018 22:12

Tgt Ion:252 Resp: 917180
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 8.8 7.0 10.6





#89

Benzo(a)pyrene

Concen: 47.183 ng

RT: 24.73 min Scan# 3649

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

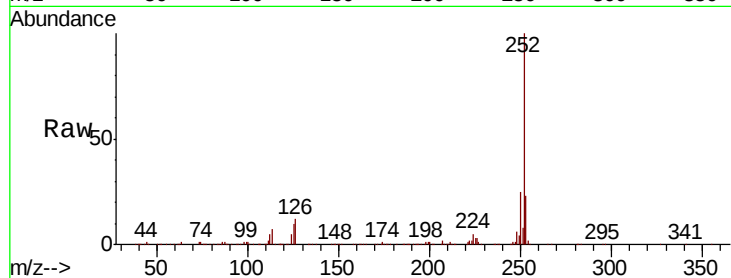
Tgt Ion:252 Resp: 890033

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

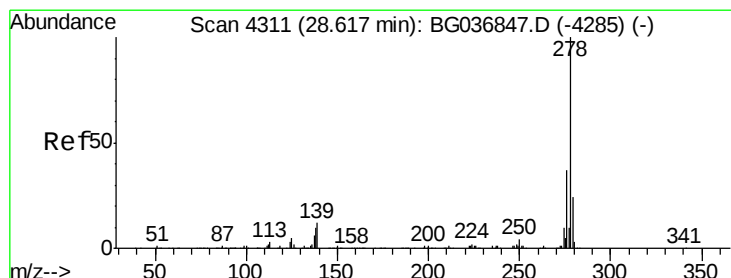
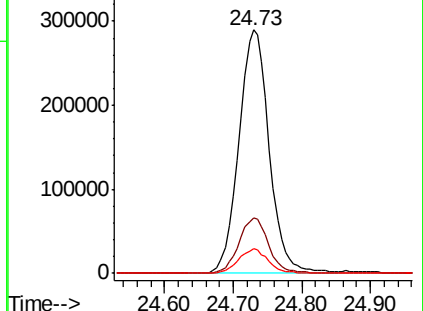
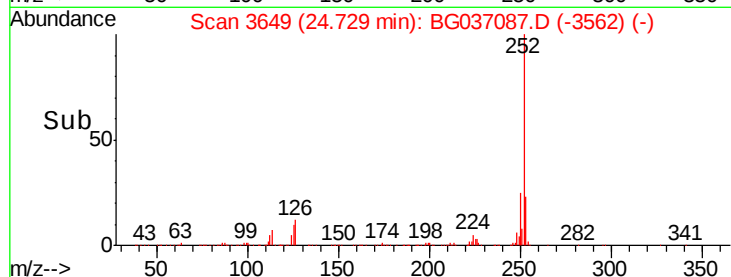
125 10.0 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 46.774 ng

RT: 28.58 min Scan# 4305

Delta R.T. -0.03 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

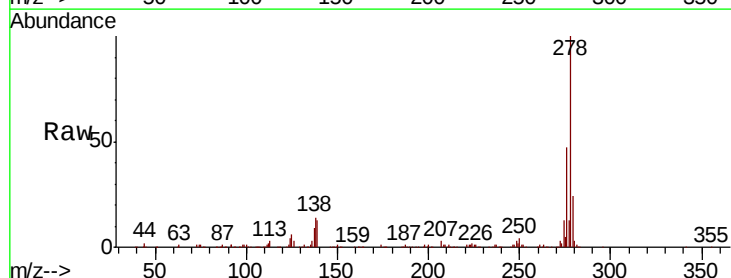
Tgt Ion:278 Resp: 826914

Ion Ratio Lower Upper

278 100

139 13.4 11.0 16.4

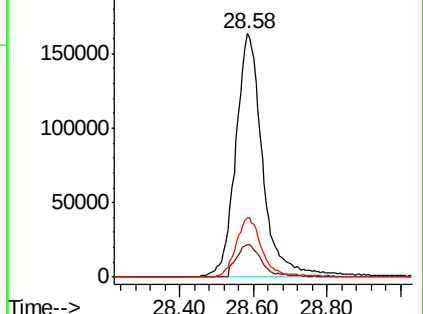
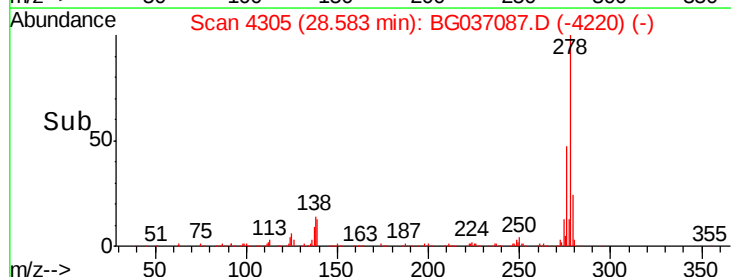
279 24.5 18.7 28.1

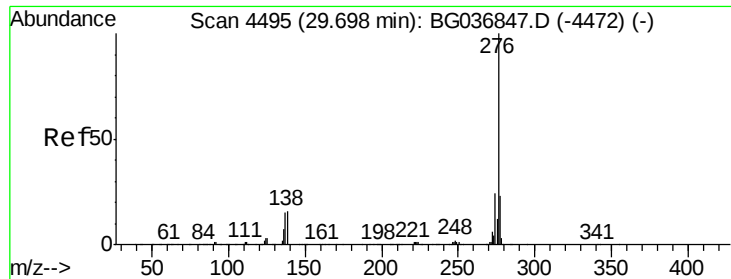


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 46.414 ng

RT: 29.66 min Scan# 4489

Delta R.T. -0.03 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MSD

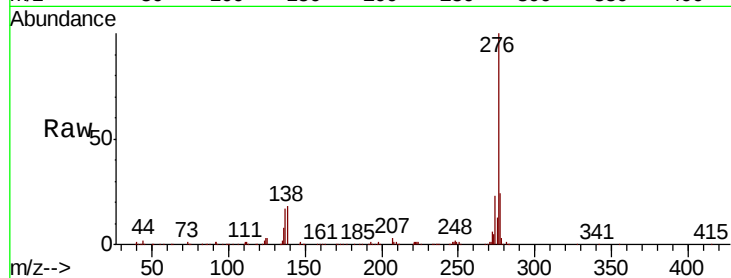
Tgt Ion: 276 Resp: 823522

Ion Ratio Lower Upper

276 100

277 23.7 18.4 27.6

138 17.9 14.6 22.0



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

