

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG100118\
 Data File : BG037086.D
 Acq On : 1 Oct 2018 21:33
 Operator : JU/SJ
 Sample : J5170-06MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Quant Time: Oct 02 05:31:50 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	45321	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	187404	20.00	ng	-0.01
38) Acenaphthene-d10	14.66	164	120810	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	297001	20.00	ng	0.00
75) Chrysene-d12	21.68	240	300450	20.00	ng	-0.01
86) Perylene-d12	24.87	264	313055	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	279049	118.08	ng	0.00
7) Phenol-d6	7.20	99	346699	94.82	ng	-0.01
23) Nitrobenzene-d5	9.20	82	295428	84.42	ng	-0.01
41) 2,4,6-Tribromophenol	16.15	330	171316	118.52	ng	-0.01
44) 2-Fluorobiphenyl	13.29	172	613173	75.59	ng	-0.01
78) Terphenyl-d14	20.01	244	1058665	92.65	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	42235	39.057	ng	# 87
3) Pyridine	3.93	79	100934	32.326	ng	94
4) n-Nitrosodimethylamine	3.83	42	65614	47.281	ng	# 94
6) Aniline	7.37	93	91582	19.304	ng	96
8) 2-Chlorophenol	7.61	128	123419	44.978	ng	96
9) Benzaldehyde	7.18	77	60418	25.007	ng	94
10) Phenol	7.23	94	137306	36.387	ng	97
11) bis(2-Chloroethyl)ether	7.46	93	131319	37.622	ng	99
12) 1,3-Dichlorobenzene	7.93	146	128561	38.216	ng	99
13) 1,4-Dichlorobenzene	8.08	146	132851	38.590	ng	99
14) 1,2-Dichlorobenzene	8.39	146	126034	37.778	ng	96
15) Benzyl Alcohol	8.28	79	113784	38.353	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.56	45	271750	40.552	ng	97
17) 2-Methylphenol	8.48	107	104270	39.669	ng	95
18) Hexachloroethane	9.12	117	50297	39.701	ng	100
19) n-Nitroso-di-n-propylamine	8.84	70	112991	37.148	ng	98
20) 3+4-Methylphenols	8.80	107	140917	38.537	ng	99
22) Acetophenone	8.86	105	199980	45.409	ng	# 98
24) Nitrobenzene	9.25	77	165083	44.173	ng	98
25) Isophorone	9.76	82	315717	49.374	ng	98
26) 2-Nitrophenol	9.96	139	67631	45.402	ng	98
27) 2,4-Dimethylphenol	10.01	122	118257	50.964	ng	96
28) bis(2-Chloroethoxy)methane	10.24	93	181114	45.902	ng	99
29) 2,4-Dichlorophenol	10.49	162	125746	46.748	ng	91
30) 1,2,4-Trichlorobenzene	10.70	180	140100	41.620	ng	98
31) Naphthalene	10.89	128	438094	49.131	ng	99
32) Benzoic acid	10.14	122	10189	10.855	ng	92
33) 4-Chloroaniline	11.01	127	17574	4.335	ng	97
34) Hexachlorobutadiene	11.17	225	92940	39.924	ng	97
35) Caprolactam	11.78	113	21474	19.396	ng	99
36) 4-Chloro-3-methylphenol	12.12	107	148053	46.129	ng	99
37) 2-Methylnaphthalene	12.49	142	314230	46.270	ng	98
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	173058	41.071	ng	99
40) Hexachlorocyclopentadiene	12.84	237	188780	87.112	ng	98

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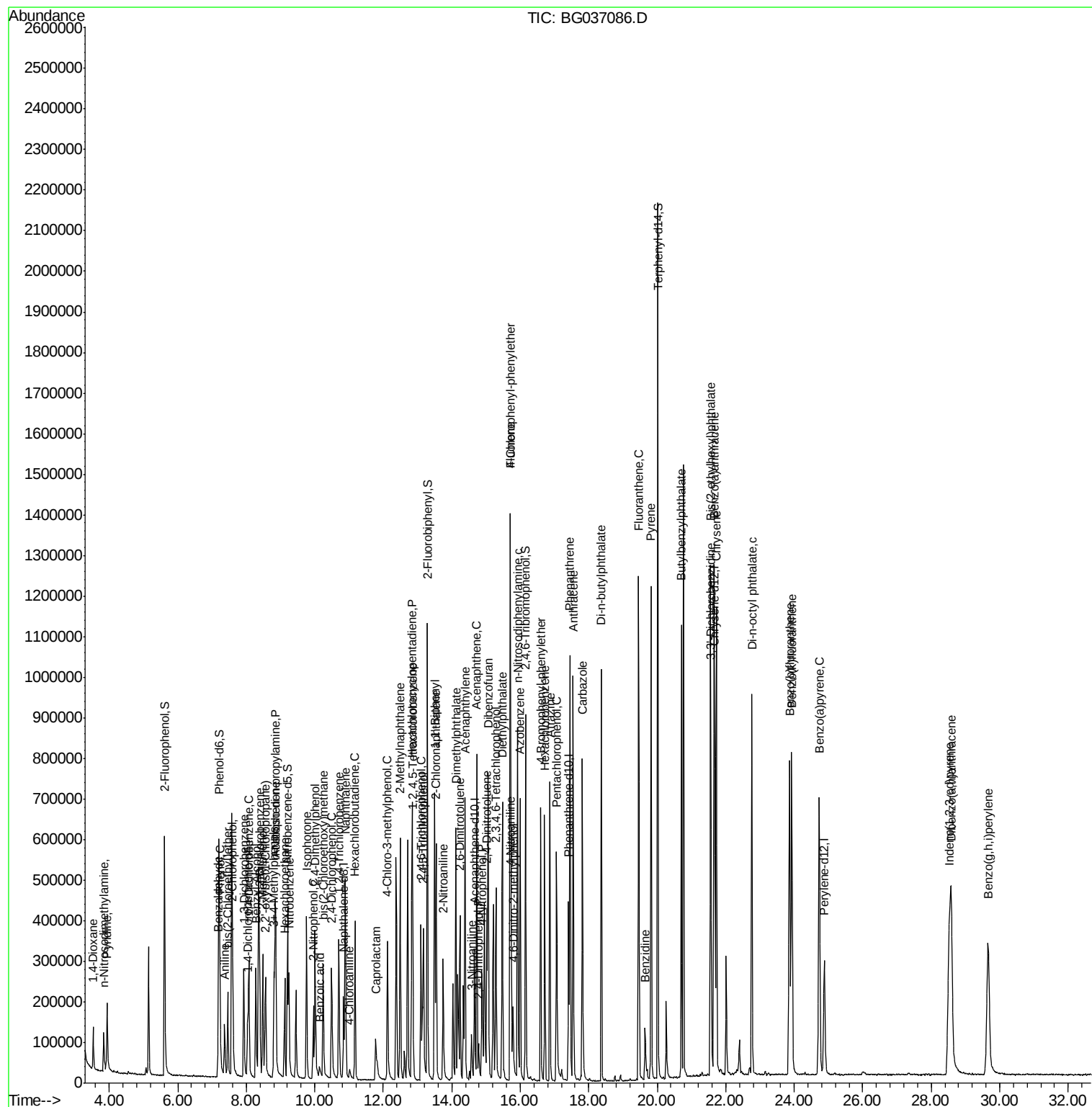
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.10	196	105227	44.972	ng	98
43) 2,4,5-Trichlorophenol	13.18	196	116375	46.643	ng	95
45) 1,1'-Biphenyl	13.50	154	406098	43.891	ng	98
46) 2-Chloronaphthalene	13.54	162	310087	42.617	ng	98
47) 2-Nitroaniline	13.75	65	116153	46.153	ng	95
48) Acenaphthylene	14.39	152	538294	47.211	ng	99
49) Dimethylphthalate	14.12	163	416592	42.840	ng	100
50) 2,6-Dinitrotoluene	14.24	165	91195	42.982	ng	98
51) Acenaphthene	14.73	154	311297	45.174	ng	99
52) 3-Nitroaniline	14.57	138	38597	17.264	ng	91
53) 2,4-Dinitrophenol	14.78	184	29239	34.244	ng	94
54) Dibenzofuran	15.06	168	510779	43.821	ng	100
55) 4-Nitrophenol	14.89	139	99639	69.762	ng	99
56) 2,4-Dinitrotoluene	15.03	165	131066	44.271	ng	94
57) Fluorene	15.71	166	414186	47.542	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.29	232	118952	46.998	ng	97
59) Diethylphthalate	15.48	149	428349	43.673	ng	99
60) 4-Chlorophenyl-phenylether	15.70	204	225974	40.958	ng	99
61) 4-Nitroaniline	15.74	138	98387	41.837	ng	96
62) Azobenzene	16.00	77	444113	47.125	ng	99
64) 4,6-Dinitro-2-methylphenol	15.79	198	47605	30.658	ng	95
65) n-Nitrosodiphenylamine	15.92	169	369070	45.012	ng	99
66) 4-Bromophenyl-phenylether	16.60	248	144927	42.900	ng	95
67) Hexachlorobenzene	16.72	284	144981	41.669	ng	96
68) Atrazine	16.87	200	152612	45.968	ng	98
69) Pentachlorophenol	17.06	266	127938	58.403	ng	99
70) Phenanthrene	17.45	178	686596	47.972	ng	100
71) Anthracene	17.54	178	703689	49.723	ng	100
72) Carbazole	17.81	167	618744	44.842	ng	98
73) Di-n-butylphthalate	18.36	149	727280	47.461	ng	99
74) Fluoranthene	19.46	202	826887	47.997	ng	98
76) Benzidine	19.64	184	120248	13.240	ng	98
77) Pyrene	19.82	202	823459	45.673	ng	100
79) Butylbenzylphthalate	20.70	149	339291	47.213	ng	95
80) Benzo(a)anthracene	21.66	228	815801	46.514	ng	99
81) 3,3'-Dichlorobenzidine	21.57	252	143489	21.494	ng	97
82) Chrysene	21.72	228	778381	45.933	ng	98
83) Bis(2-ethylhexyl)phthalate	21.55	149	470863	46.902	ng	99
84) Di-n-octyl phthalate	22.76	149	802914	48.575	ng	99
85) Indeno(1,2,3-cd)pyrene	28.53	276	903761	49.665	ng	# 79
87) Benzo(b)fluoranthene	23.86	252	815542	48.883	ng	98
88) Benzo(k)fluoranthene	23.93	252	783936	46.836	ng	99
89) Benzo(a)pyrene	24.73	252	776033	48.114	ng	99
90) Dibenzo(a,h)anthracene	28.59	278	729404	48.252	ng	98
91) Benzo(g,h,i)perylene	29.66	276	737889	48.638	ng	99

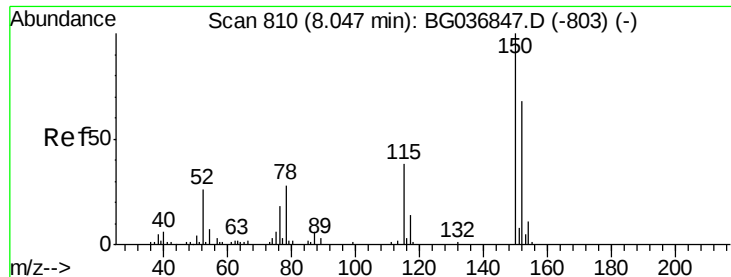
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 809

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

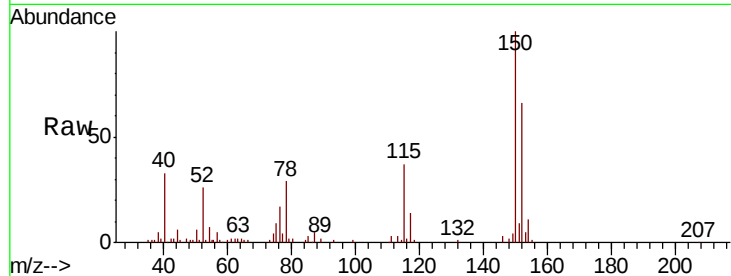
Tgt Ion:152 Resp: 45321

Ion Ratio Lower Upper

152 100

150 151.4 119.5 179.3

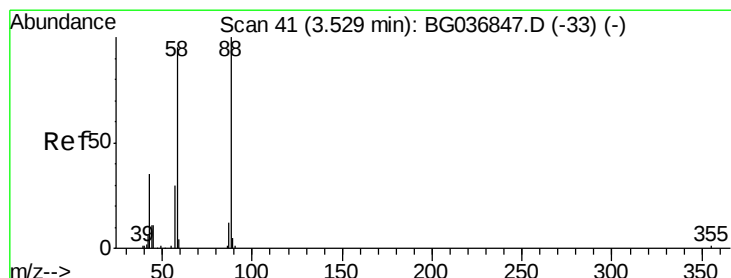
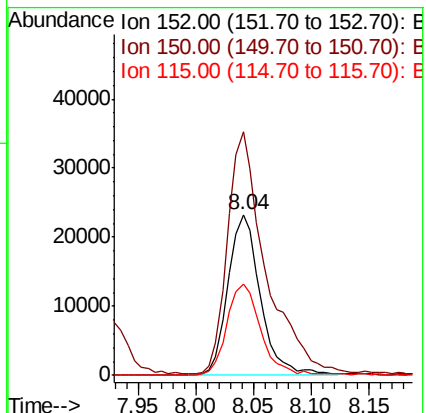
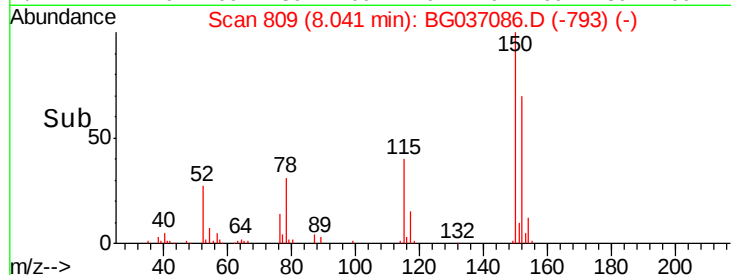
115 56.5 44.5 66.7



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: 39.057 ng

RT: 3.53 min Scan# 41

Delta R.T. -0.00 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

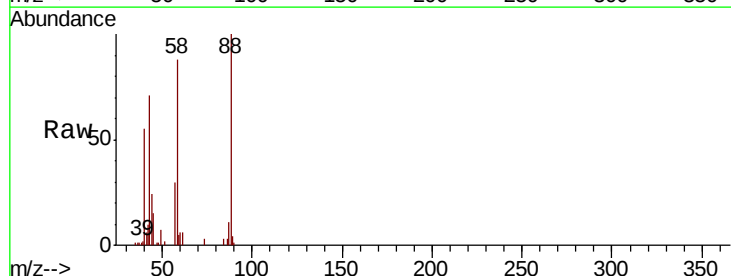
Tgt Ion: 88 Resp: 42235

Ion Ratio Lower Upper

88 100

58 93.0 72.6 109.0

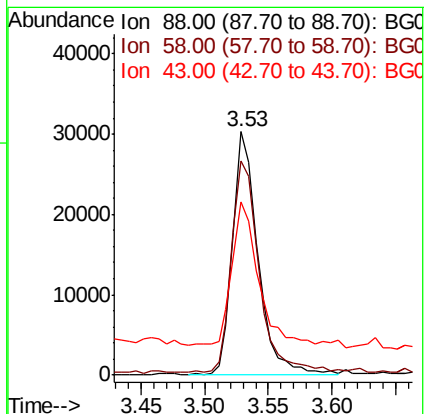
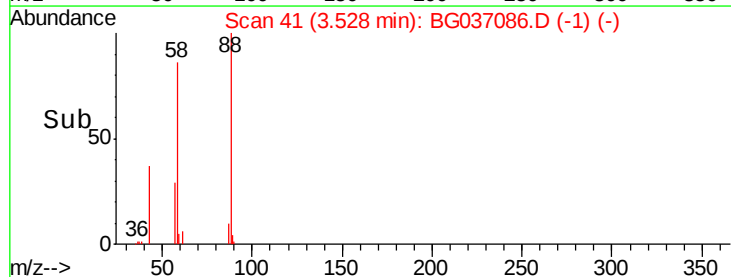
43 58.8 29.0 43.4#

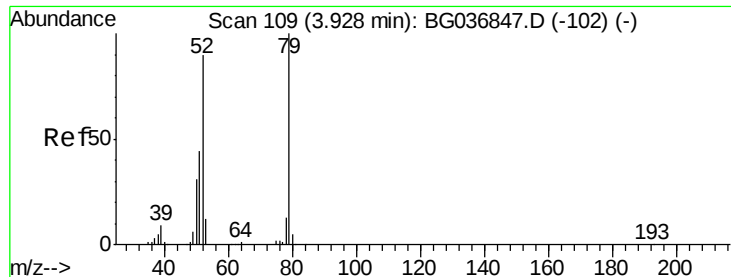


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 32.326 ng

RT: 3.93 min Scan# 110

Delta R.T. 0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

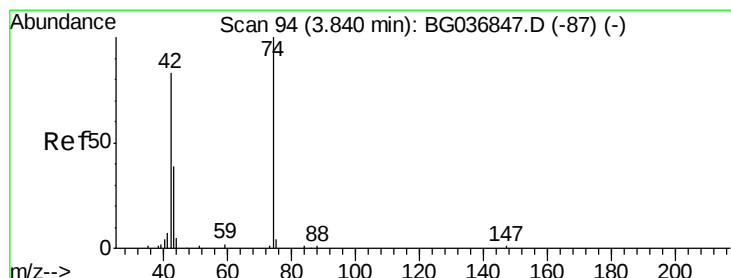
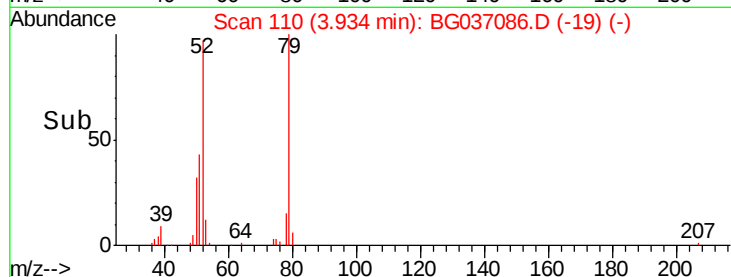
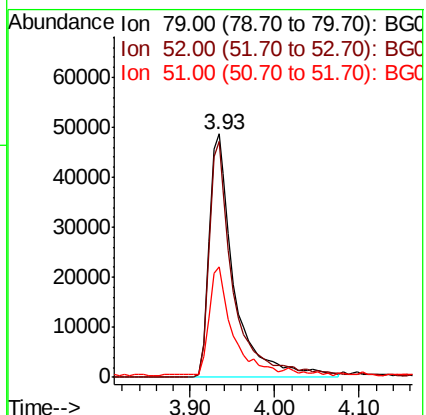
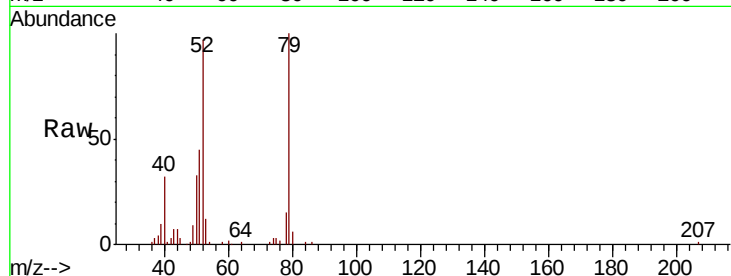
Tgt Ion: 79 Resp: 100934

Ion Ratio Lower Upper

79 100

52 97.2 72.3 108.5

51 45.3 33.8 50.6



#4

n-Nitrosodimethylamine

Concen: 47.281 ng

RT: 3.83 min Scan# 93

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

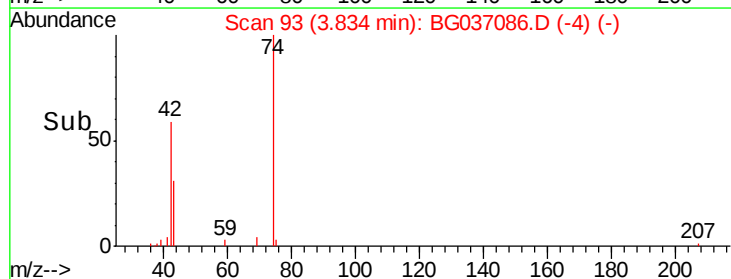
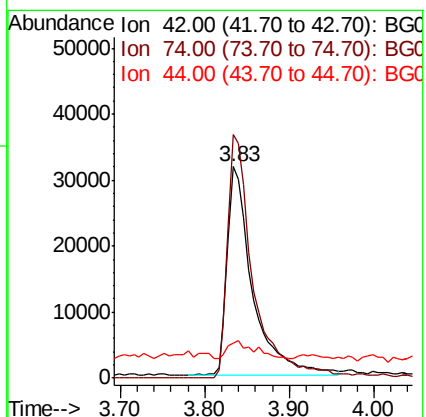
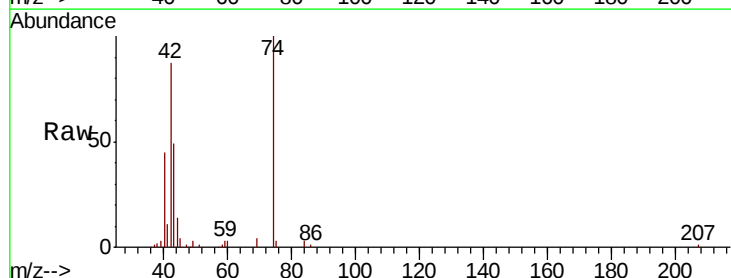
Tgt Ion: 42 Resp: 65614

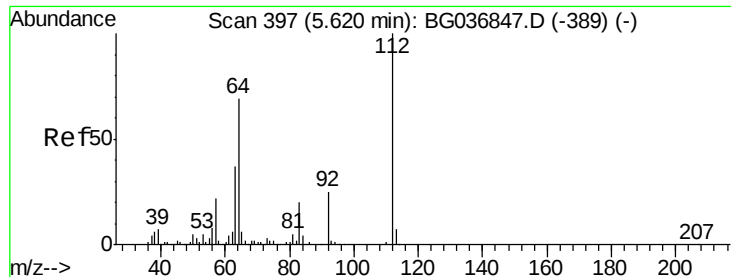
Ion Ratio Lower Upper

42 100

74 115.3 96.6 145.0

44 16.4 7.0 10.4#





#5

2-Fluorophenol

Concen: 118.081 ng

RT: 5.61 min Scan# 396

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

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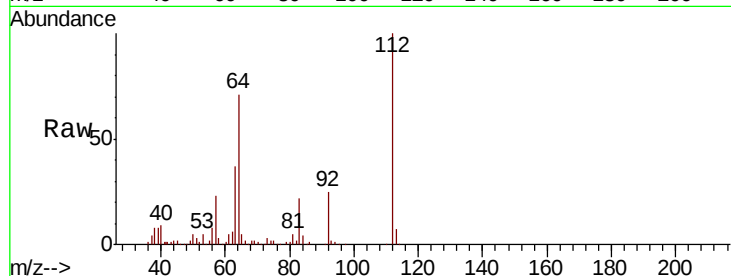
Tgt Ion: 112 Resp: 279049

Ion Ratio Lower Upper

112 100

64 70.6 57.2 85.8

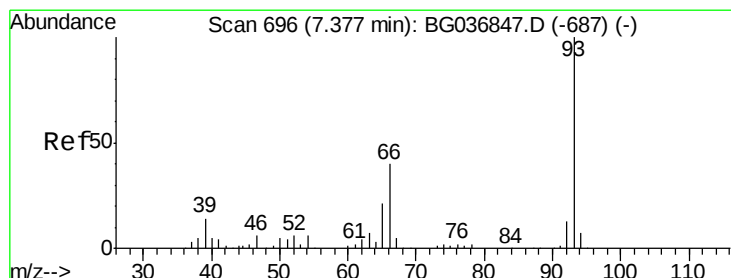
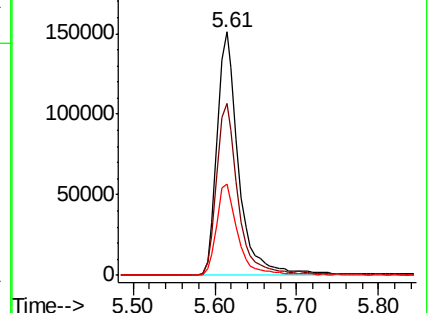
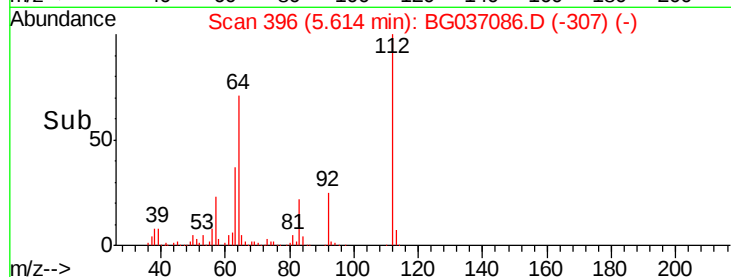
63 37.5 30.8 46.2



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: 19.304 ng

RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

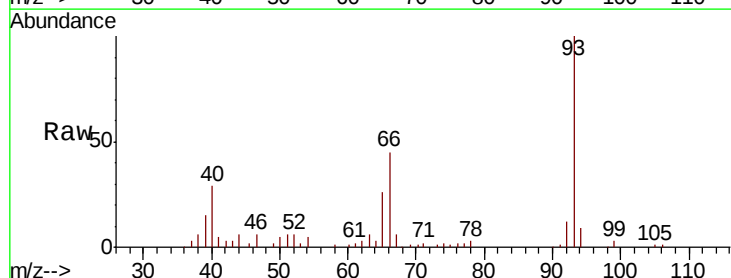
Tgt Ion: 93 Resp: 91582

Ion Ratio Lower Upper

93 100

66 45.3 35.0 52.4

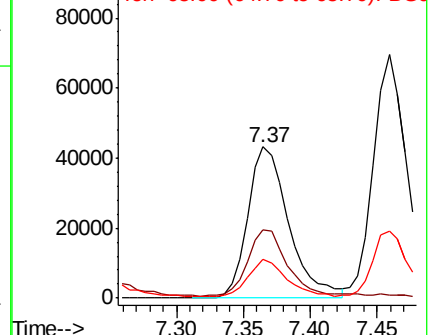
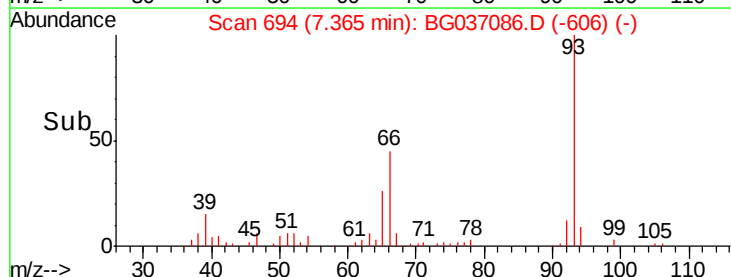
65 25.5 17.6 26.4

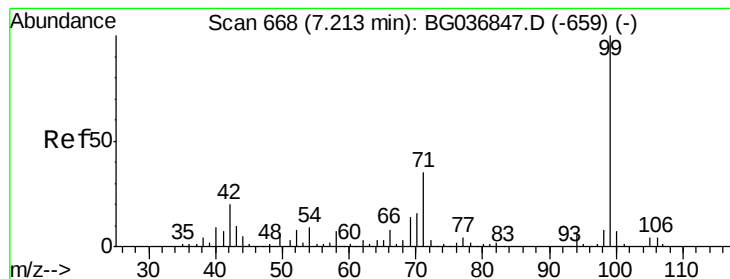


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 94.823 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

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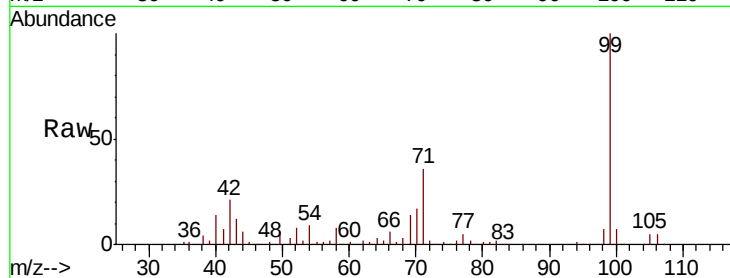
Tgt Ion: 99 Resp: 346699

Ion Ratio Lower Upper

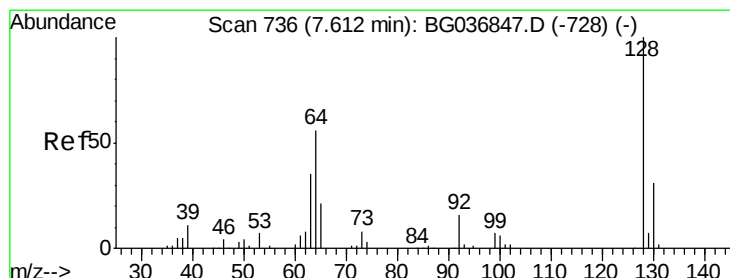
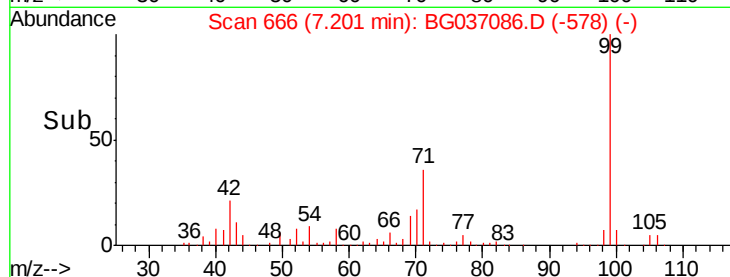
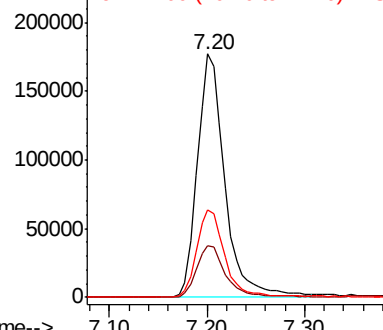
99 100

42 21.2 16.5 24.7

71 35.9 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: 44.978 ng

RT: 7.61 min Scan# 735

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

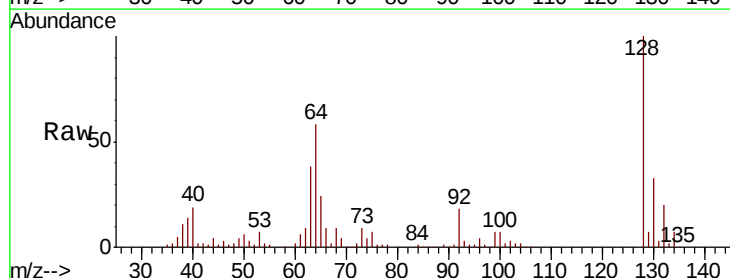
Tgt Ion: 128 Resp: 123419

Ion Ratio Lower Upper

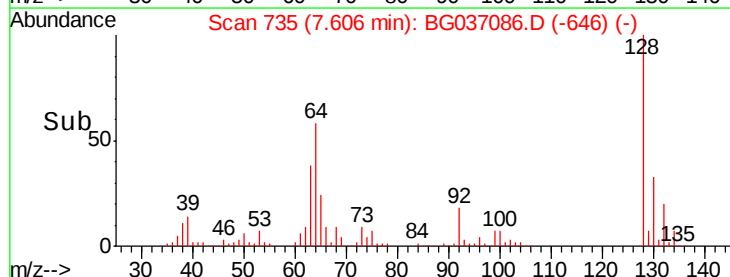
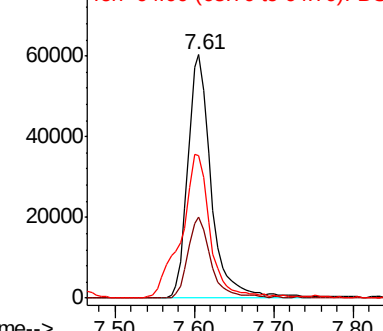
128 100

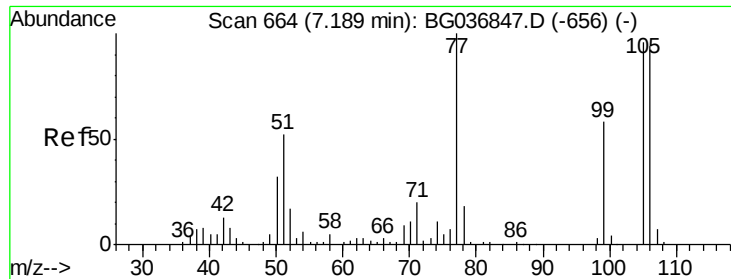
130 33.3 10.0 50.0

64 58.4 36.0 76.0



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





#9

Benzaldehyde

Concen: 25.007 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.01 min

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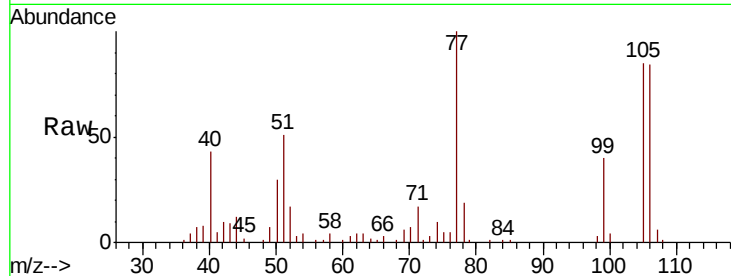
Tgt Ion: 77 Resp: 60418

Ion Ratio Lower Upper

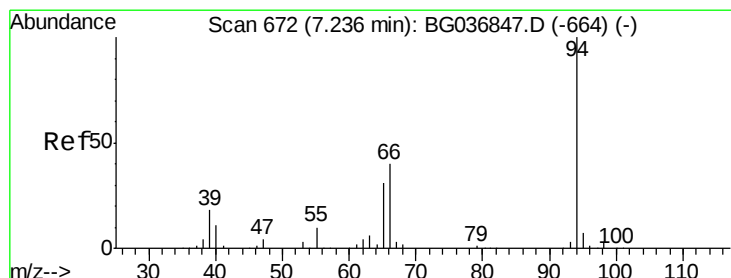
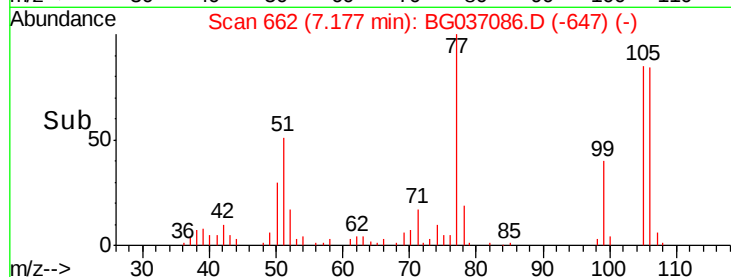
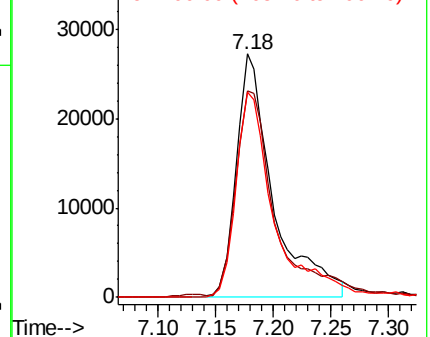
77 100

105 84.8 70.5 110.5

106 84.2 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: 36.387 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

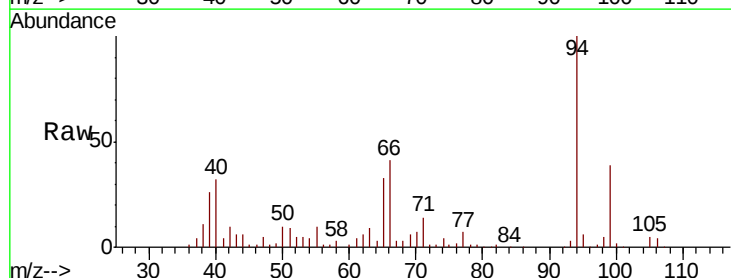
Tgt Ion: 94 Resp: 137306

Ion Ratio Lower Upper

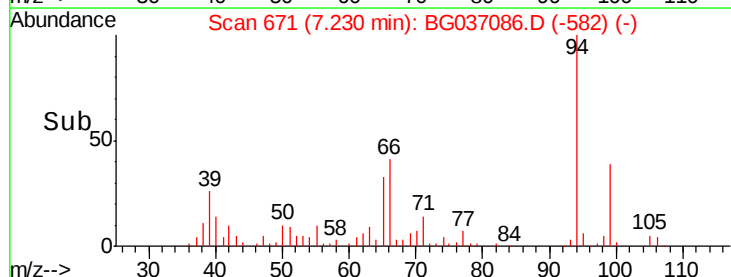
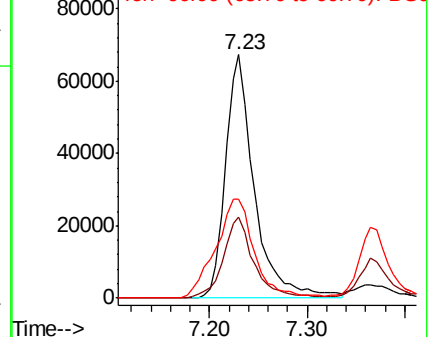
94 100

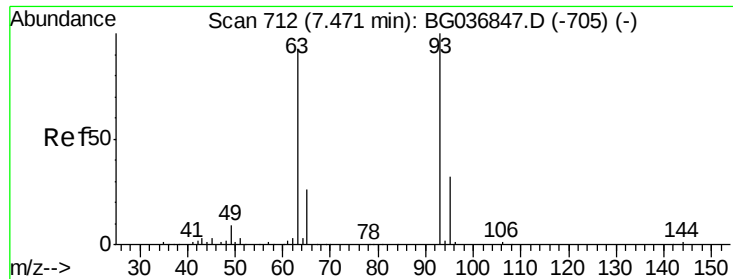
65 33.3 11.5 51.5

66 40.7 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: 37.622 ng

RT: 7.46 min Scan# 710

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

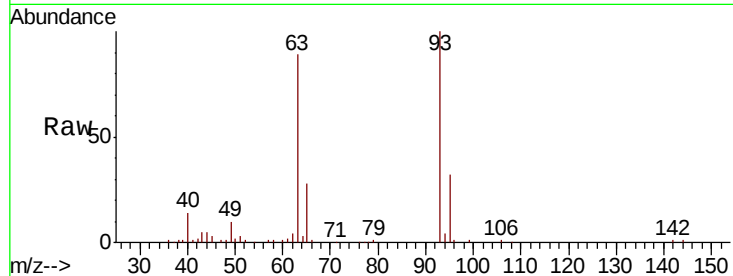
Tgt Ion: 93 Resp: 131319

Ion Ratio Lower Upper

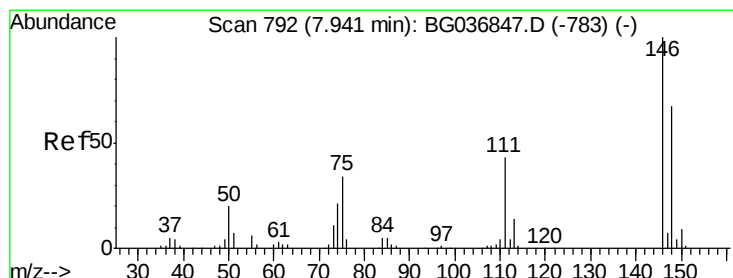
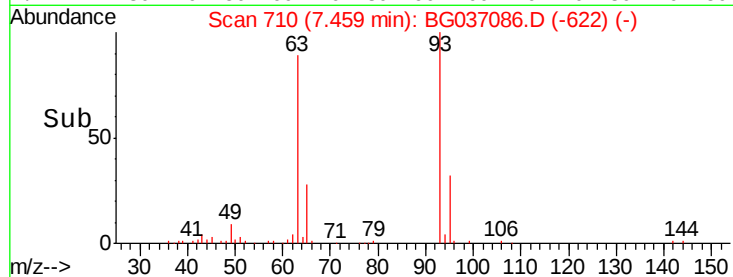
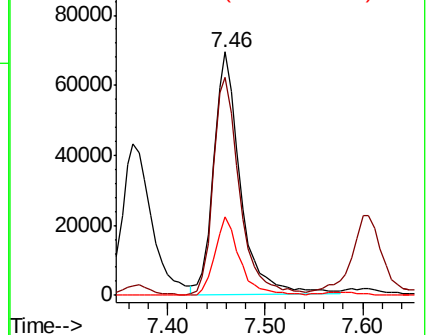
93 100

63 89.4 69.9 109.9

95 32.3 11.7 51.7



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



#12

1,3-Dichlorobenzene

Concen: 38.216 ng

RT: 7.93 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

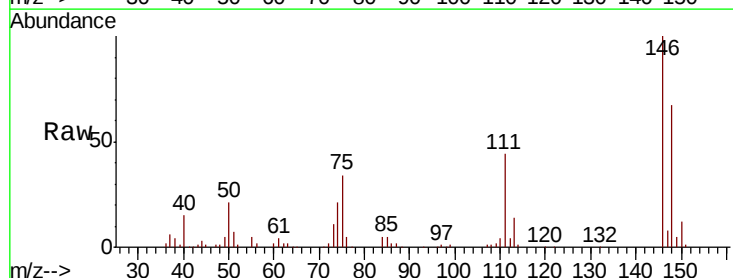
Tgt Ion: 146 Resp: 128561

Ion Ratio Lower Upper

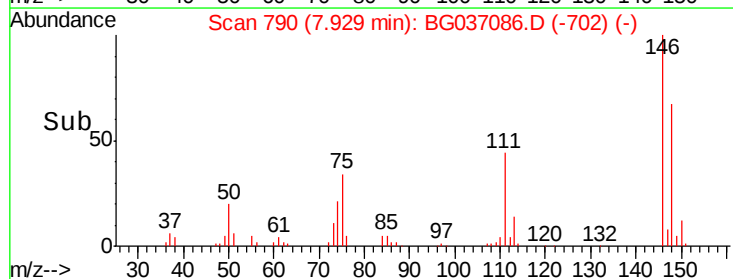
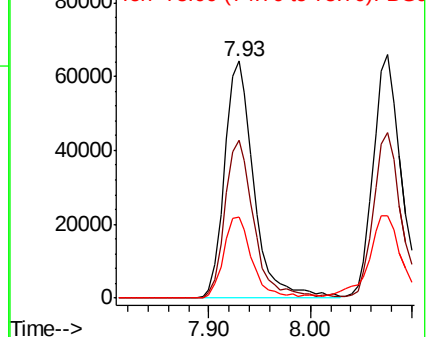
146 100

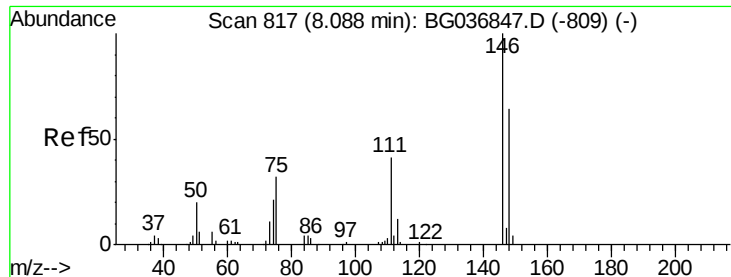
148 66.7 53.8 80.6

75 34.3 27.2 40.8



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

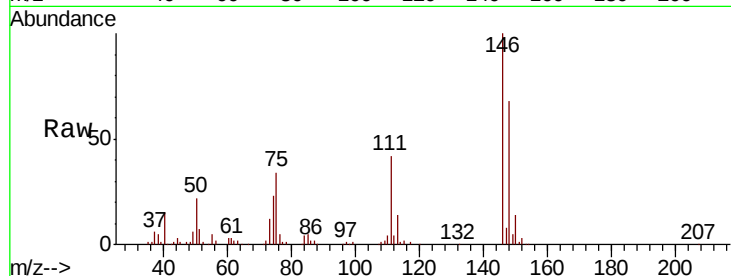




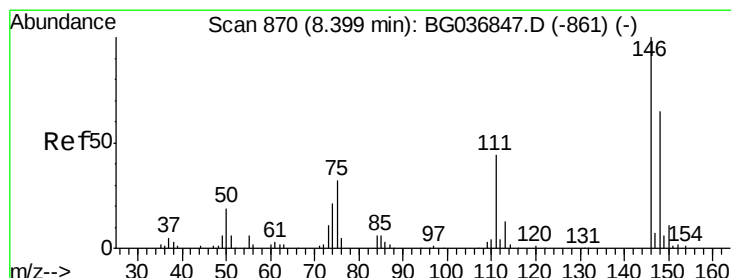
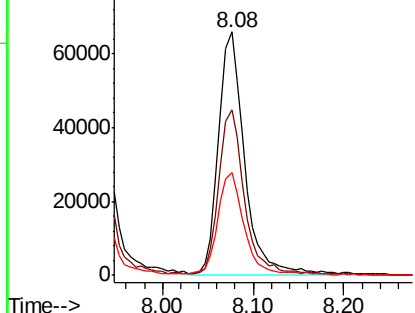
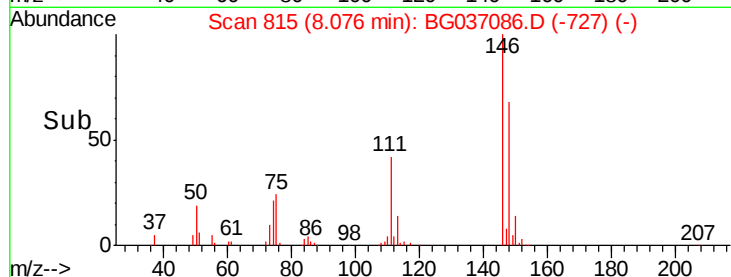
#13
 1,4-Dichlorobenzene
 Concen: 38.590 ng
 RT: 8.08 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion:146 Resp: 132851
 Ion Ratio Lower Upper
 146 100
 148 68.2 53.9 80.9
 111 42.1 33.8 50.6

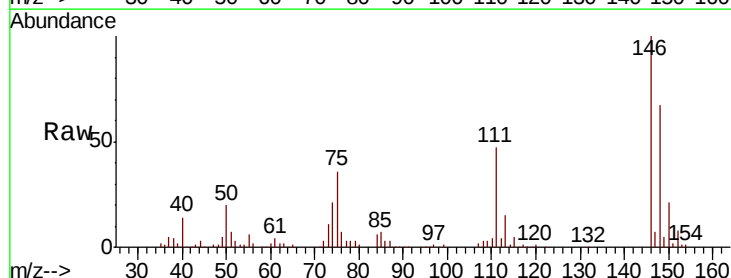


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

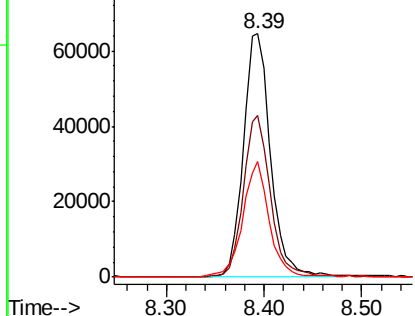
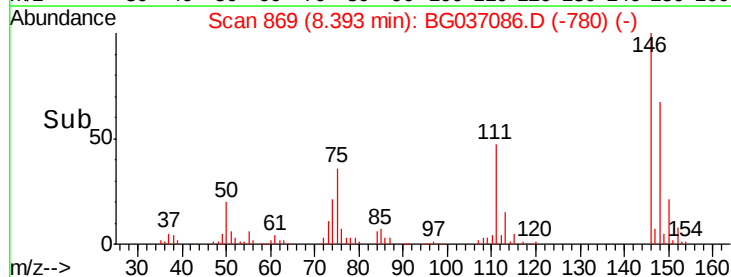


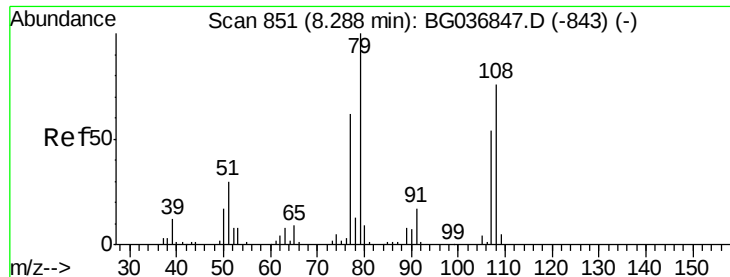
#14
 1,2-Dichlorobenzene
 Concen: 37.778 ng
 RT: 8.39 min Scan# 869
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:146 Resp: 126034
 Ion Ratio Lower Upper
 146 100
 148 66.5 55.0 82.6
 111 47.2 34.6 51.8



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

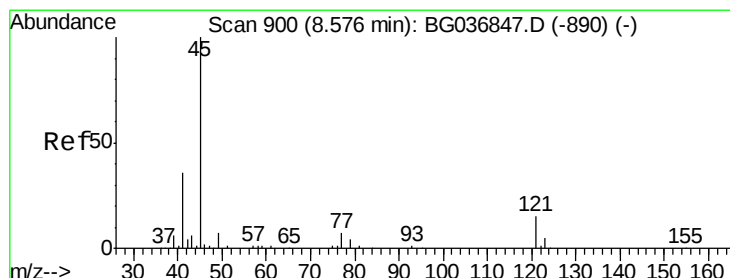
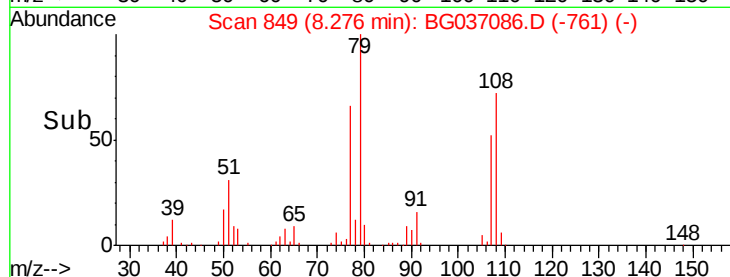
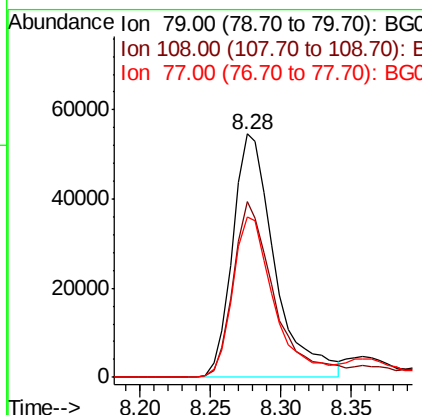
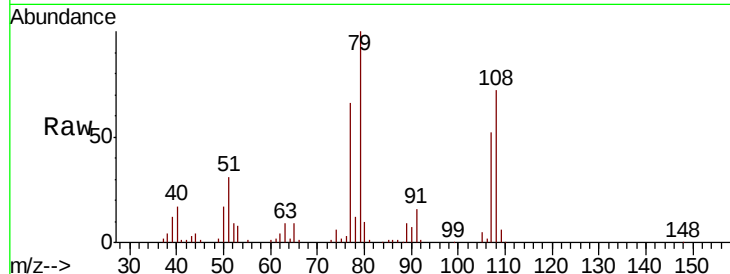




#15
Benzyl Alcohol
Concen: 38.353 ng
RT: 8.28 min Scan# 849
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

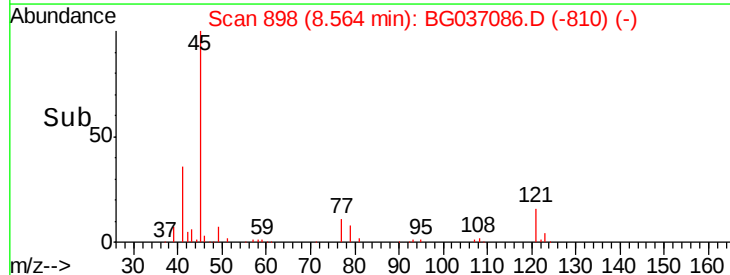
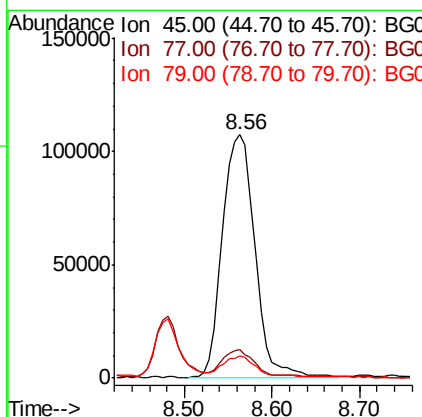
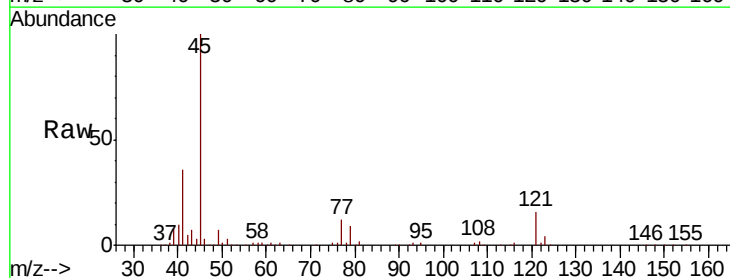
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

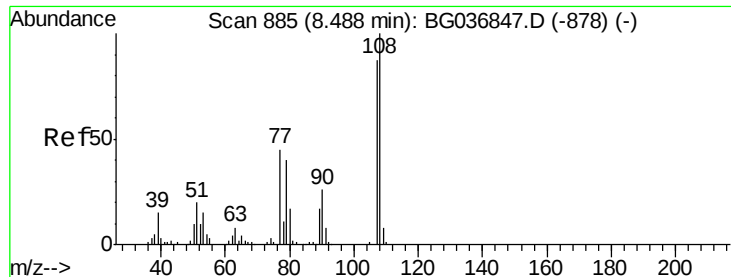
Tgt Ion: 79 Resp: 113784
Ion Ratio Lower Upper
79 100
108 72.2 55.9 83.9
77 65.7 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.552 ng
RT: 8.56 min Scan# 898
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion: 45 Resp: 271750
Ion Ratio Lower Upper
45 100
77 11.9 0.0 30.5
79 8.9 0.0 27.9

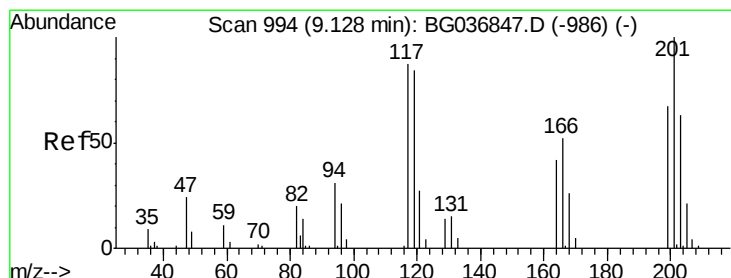
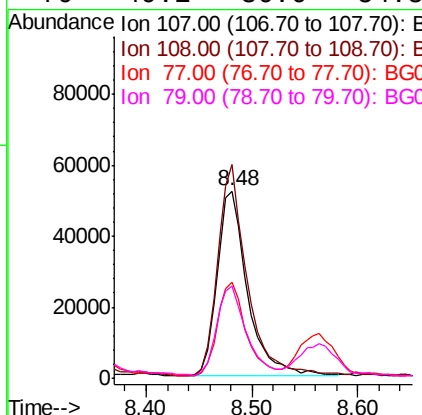
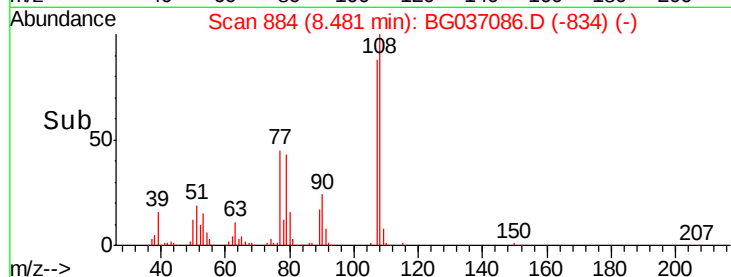
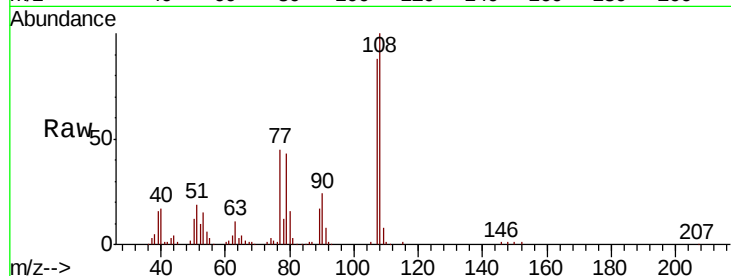




#17
2-Methylphenol
Concen: 39.669 ng
RT: 8.48 min Scan# 884
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

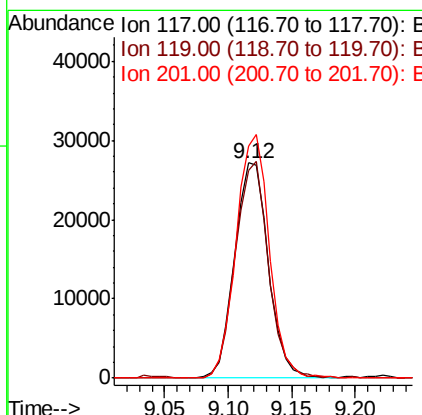
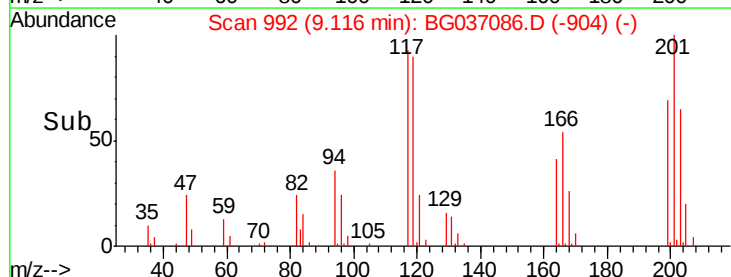
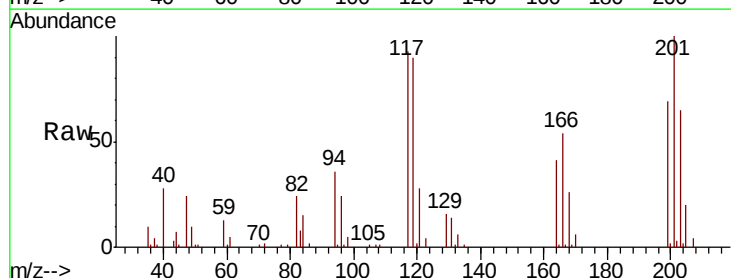
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

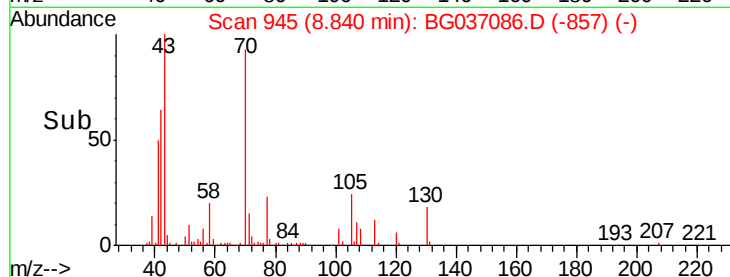
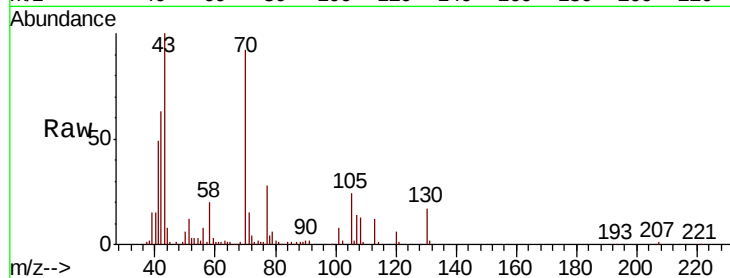
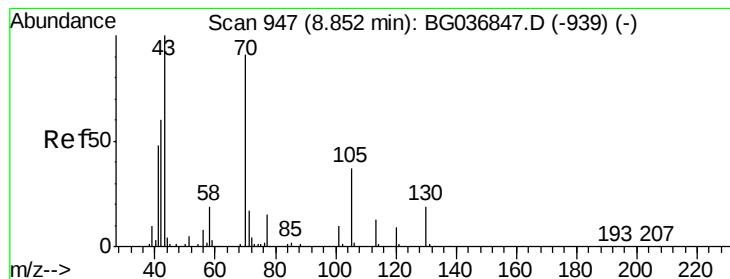
Tgt Ion:107 Resp: 104270
Ion Ratio Lower Upper
107 100
108 114.0 86.7 130.1
77 51.4 39.0 58.4
79 49.1 36.6 54.8



#18
Hexachloroethane
Concen: 39.701 ng
RT: 9.12 min Scan# 992
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:117 Resp: 50297
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2
201 107.5 85.7 128.5





#19

n-Nitroso-di-n-propylamine

Concen: 37.148 ng

RT: 8.84 min Scan# 945

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

Tgt Ion: 70 Resp: 112991

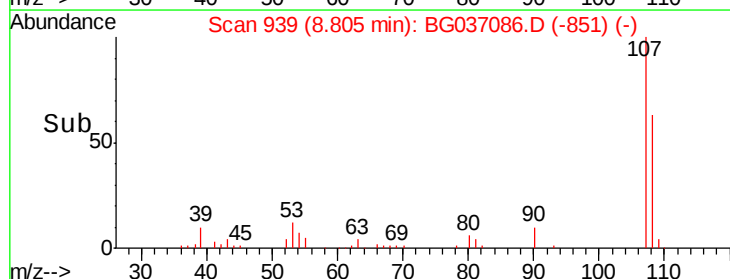
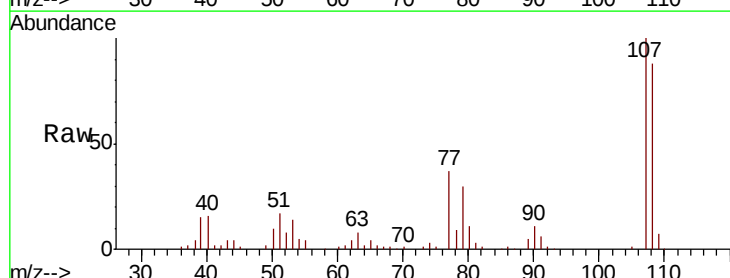
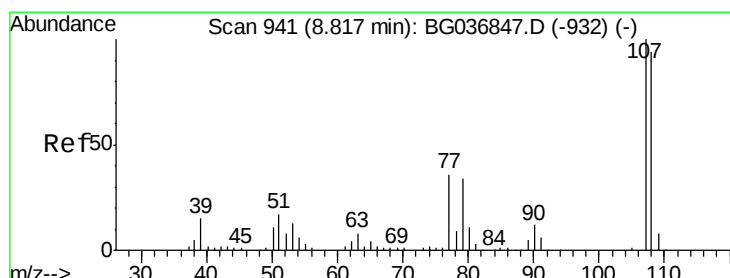
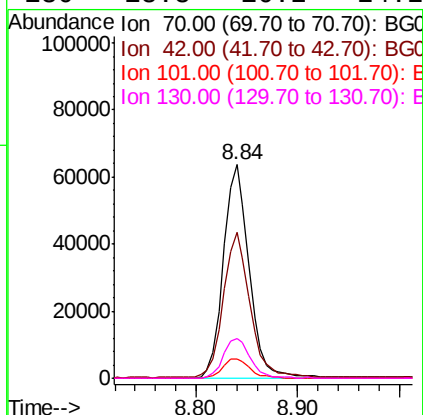
Ion Ratio Lower Upper

70 100

42 68.6 56.2 84.4

101 8.9 7.8 11.6

130 18.8 16.2 24.2



#20

3+4-Methylphenols

Concen: 38.537 ng

RT: 8.80 min Scan# 939

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Tgt Ion: 107 Resp: 140917

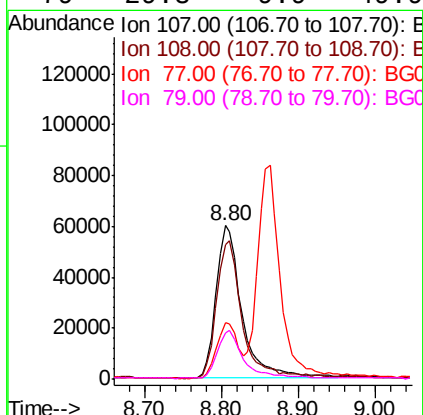
Ion Ratio Lower Upper

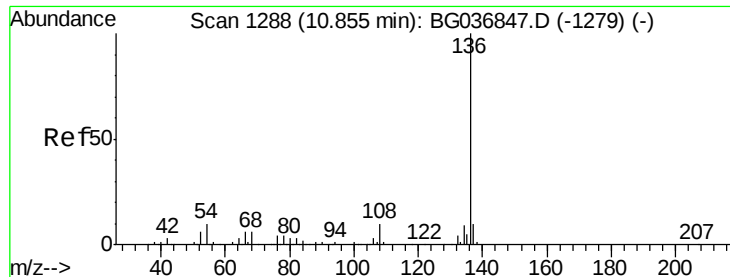
107 100

108 87.5 68.0 108.0

77 37.1 15.6 55.6

79 29.8 9.9 49.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

Tgt Ion:136 Resp: 187404

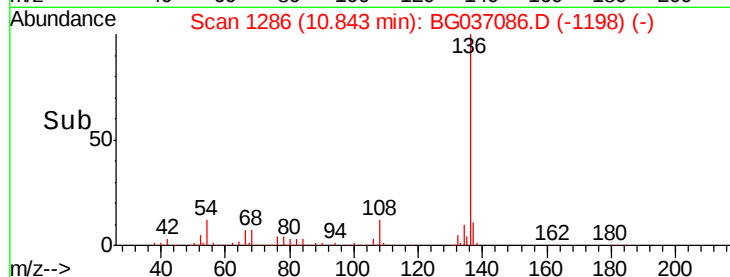
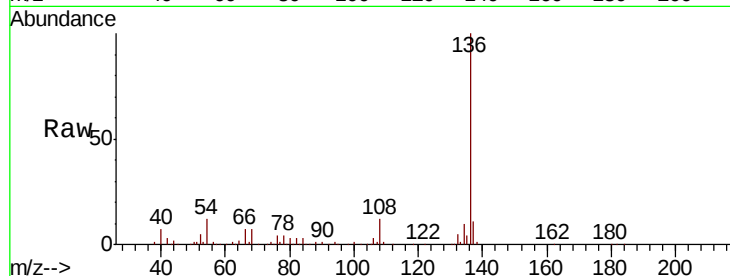
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 11.6 9.2 13.8

68 6.7 5.8 8.6

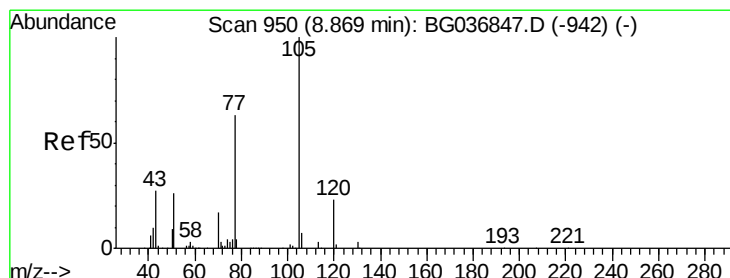
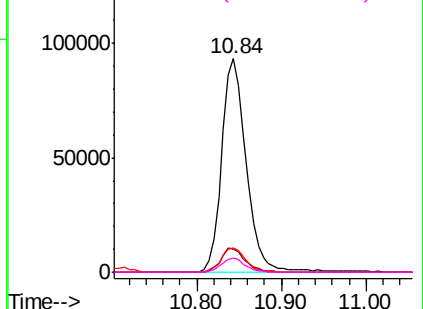


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.409 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Tgt Ion:105 Resp: 199980

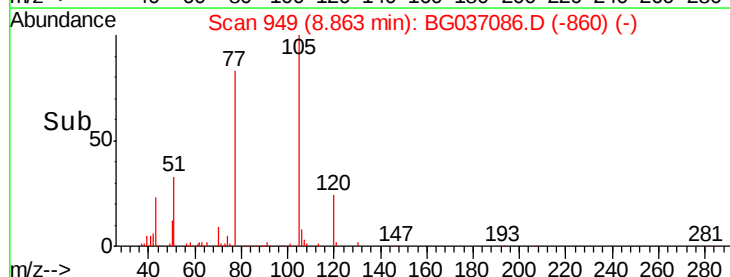
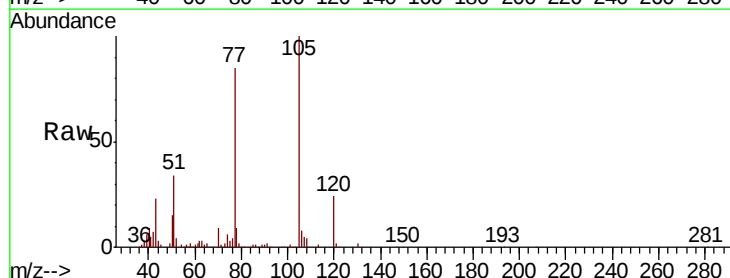
Ion Ratio Lower Upper

105 100

71 1.3 2.4 3.6#

51 33.9 25.9 38.9

120 23.7 19.4 29.0

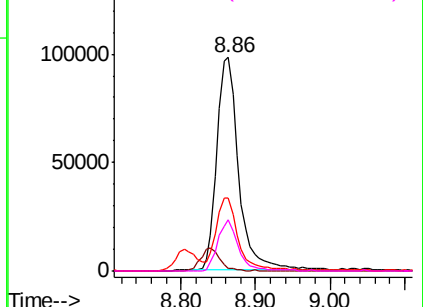


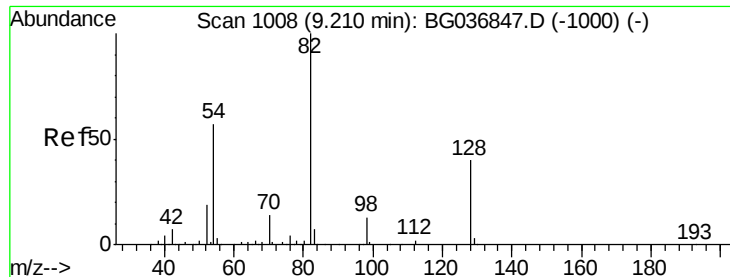
Abundance Ion 105.00 (104.70 to 105.70): E

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

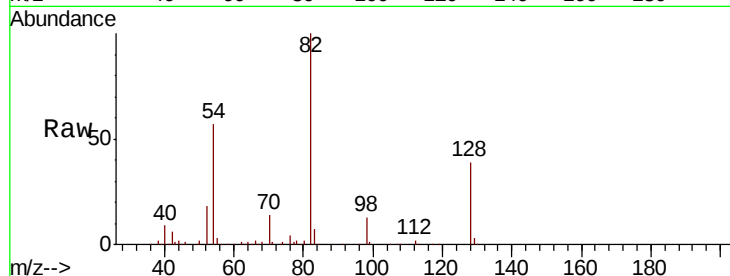




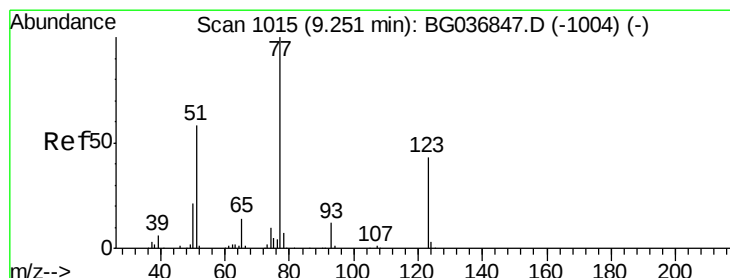
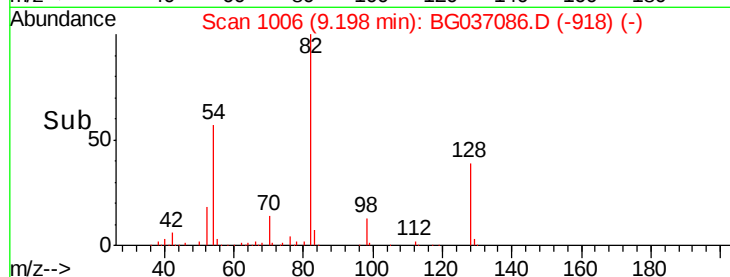
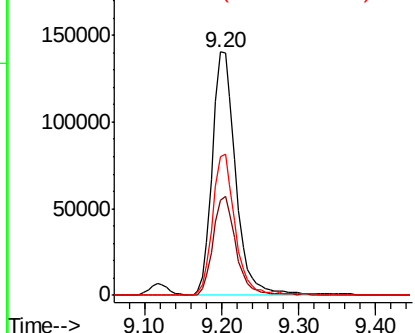
#23
 Nitrobenzene-d5
 Concen: 84.419 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion: 82 Resp: 295428
 Ion Ratio Lower Upper
 82 100
 128 39.1 33.3 49.9
 54 57.1 45.1 67.7

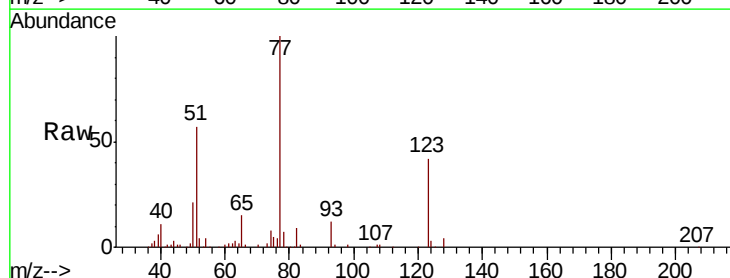


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

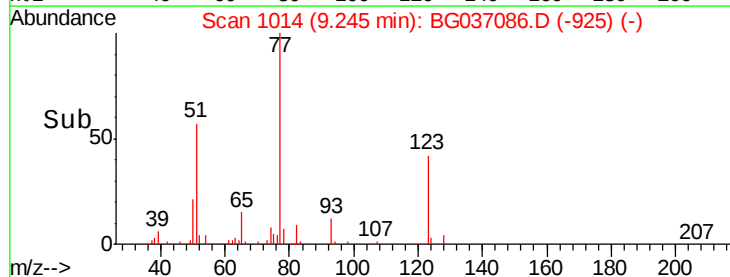
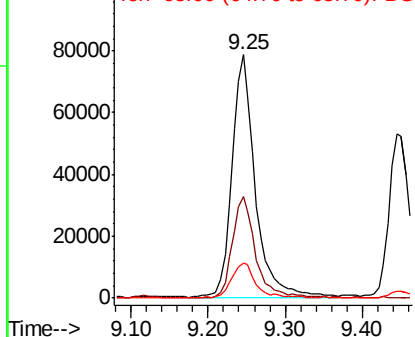


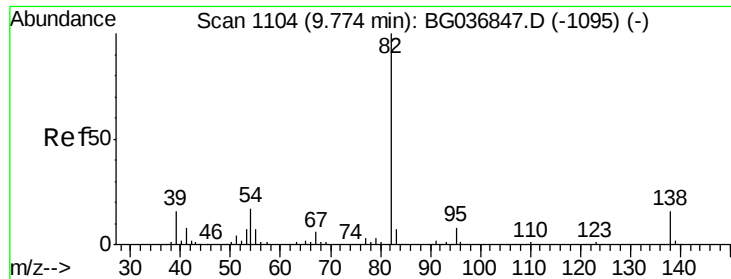
#24
 Nitrobenzene
 Concen: 44.173 ng
 RT: 9.25 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion: 77 Resp: 165083
 Ion Ratio Lower Upper
 77 100
 123 41.8 32.4 48.6
 65 14.5 11.5 17.3



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





#25

Isophorone

Concen: 49.374 ng

RT: 9.76 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

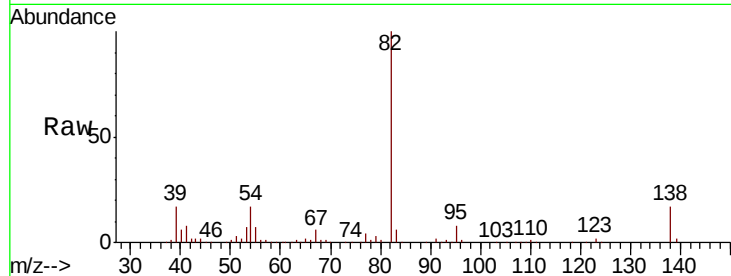
Tgt Ion: 82 Resp: 315717

Ion Ratio Lower Upper

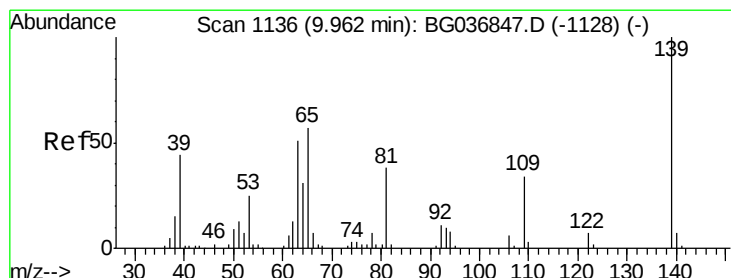
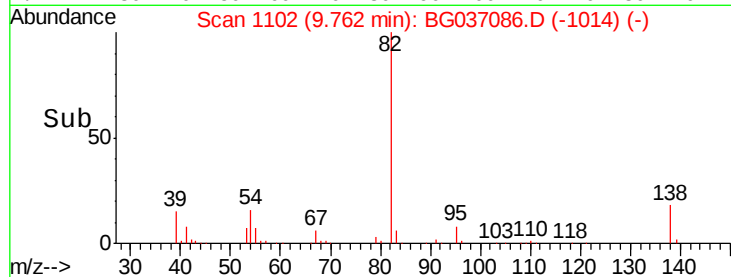
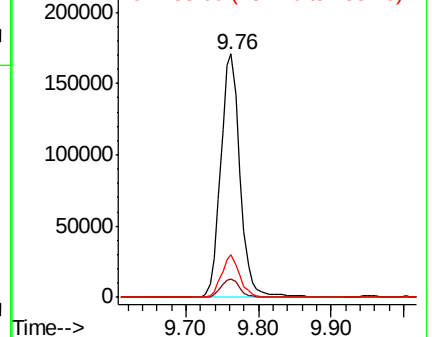
82 100

95 7.6 5.8 8.8

138 17.3 12.9 19.3



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 45.402 ng

RT: 9.96 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

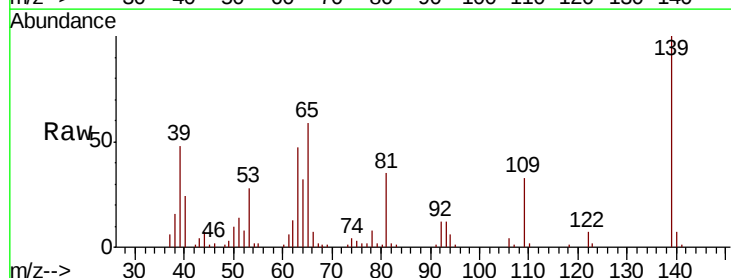
Tgt Ion: 139 Resp: 67631

Ion Ratio Lower Upper

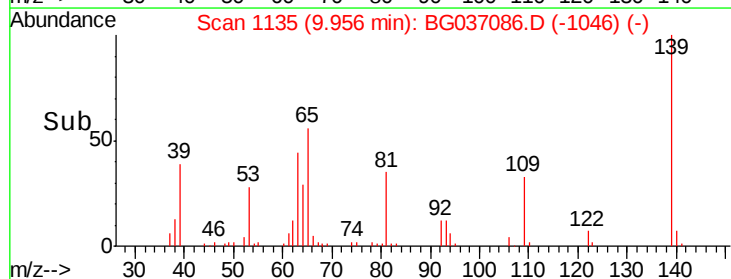
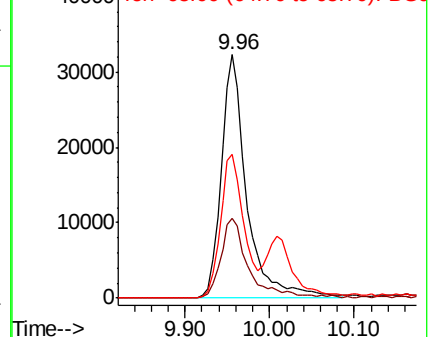
139 100

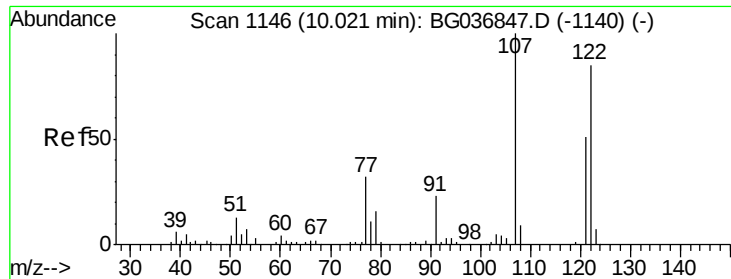
109 32.6 27.4 41.0

65 59.1 47.8 71.6



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

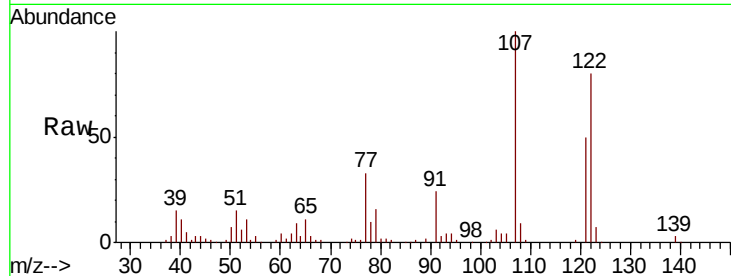




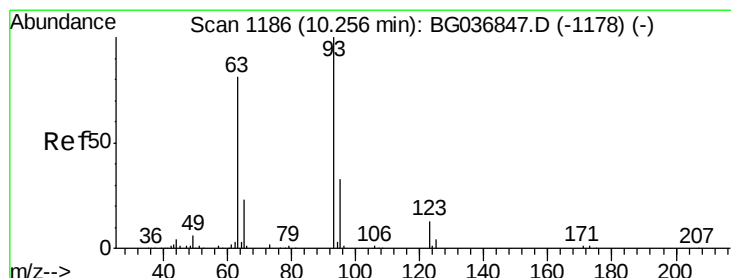
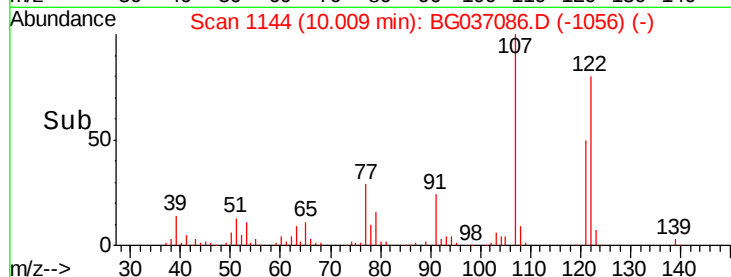
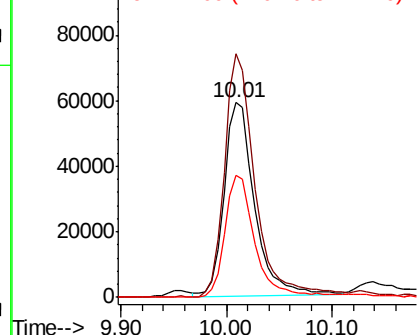
#27
2,4-Dimethylphenol
Concen: 50.964 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

Tgt Ion: 122 Resp: 118257
Ion Ratio Lower Upper
122 100
107 125.0 96.0 144.0
121 62.8 48.2 72.4

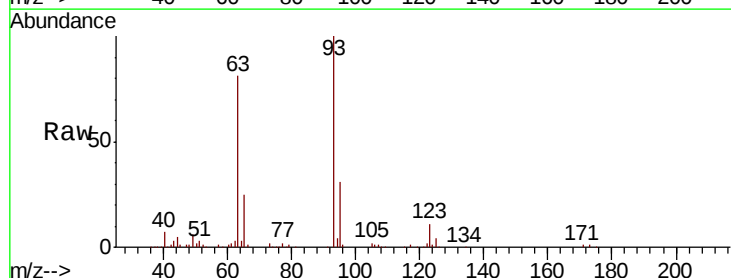


Abundance Ion 122.00 (121.70 to 122.70): E
100000
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

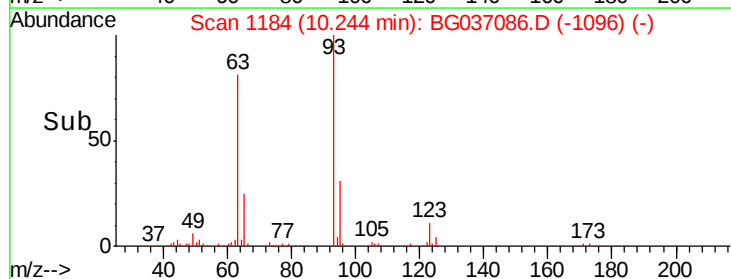
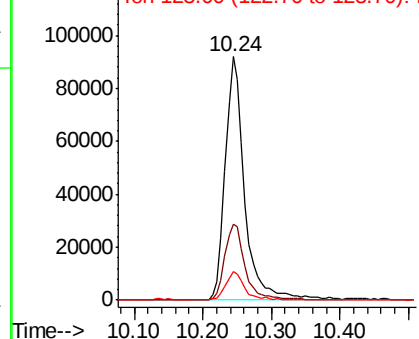


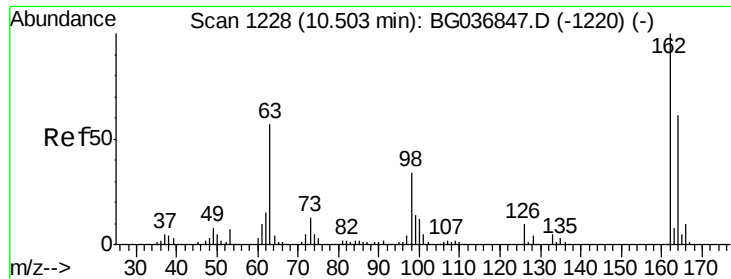
#28
bis(2-Chloroethoxy)methane
Concen: 45.902 ng
RT: 10.24 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion: 93 Resp: 181114
Ion Ratio Lower Upper
93 100
95 31.4 25.2 37.8
123 11.5 8.6 12.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
120000
Ion 95.00 (94.70 to 95.70): BGC
Ion 123.00 (122.70 to 123.70): E

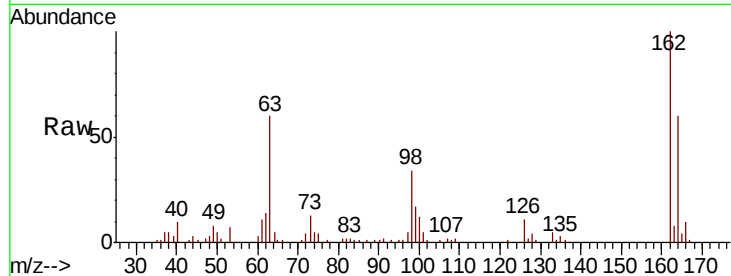




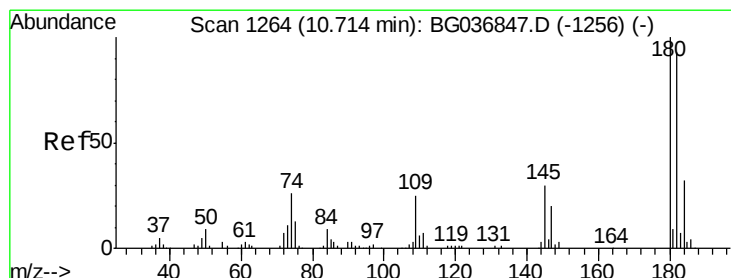
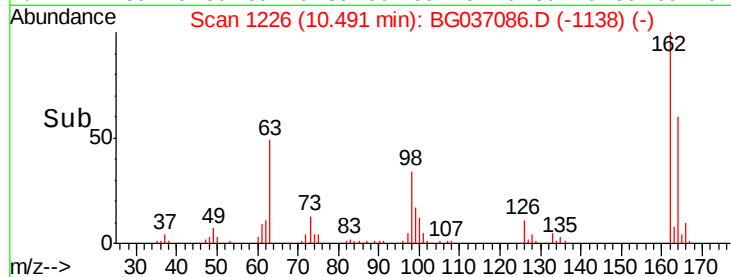
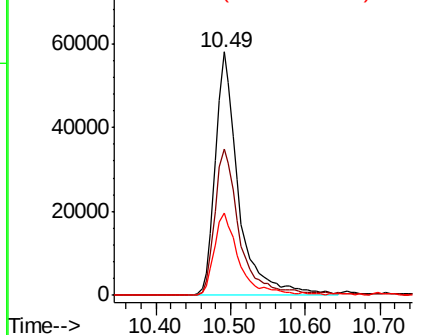
#29
 2,4-Dichlorophenol
 Concen: 46.748 ng
 RT: 10.49 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion	Ratio	Lower	Upper
162	100		
164	60.1	47.6	87.6
98	33.9	19.2	59.2

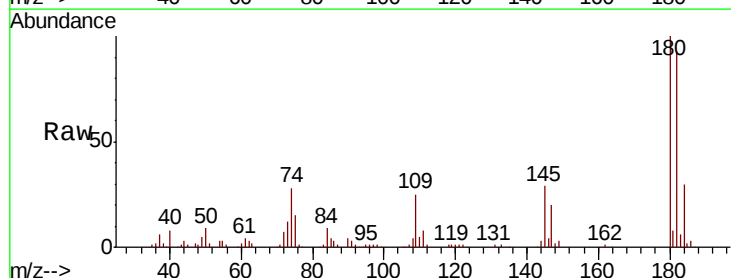


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BGC

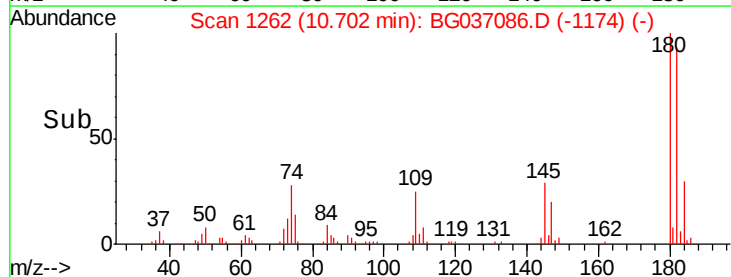
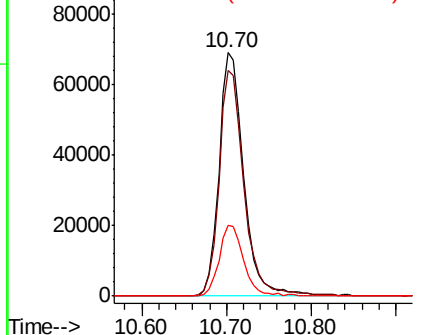


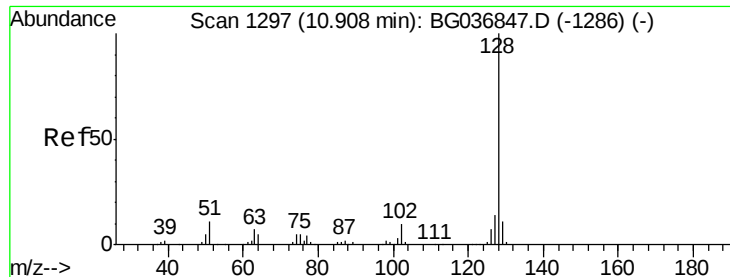
#30
 1,2,4-Trichlorobenzene
 Concen: 41.620 ng
 RT: 10.70 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.0	114.0
145	29.3	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

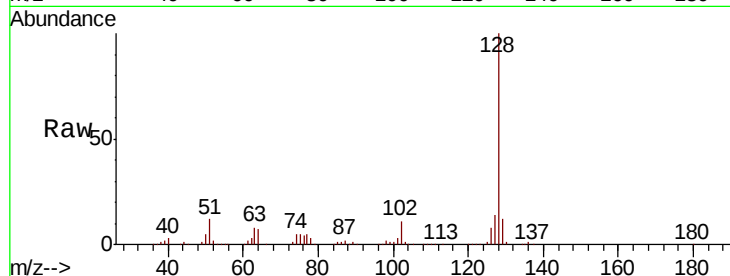




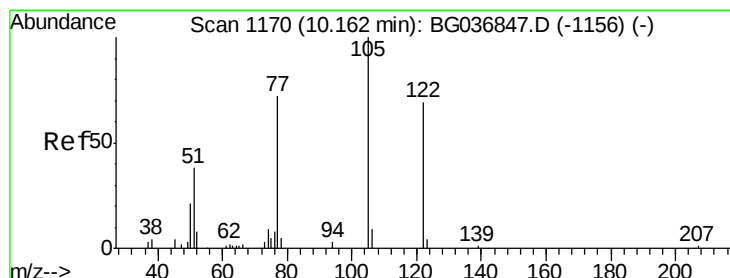
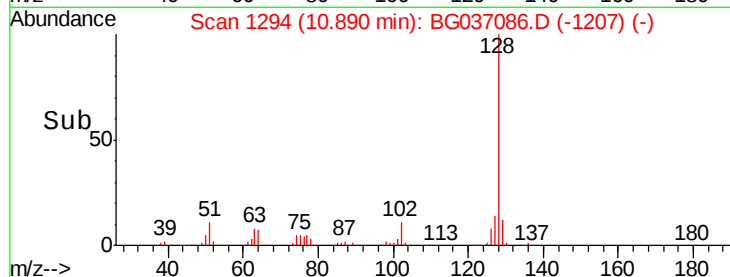
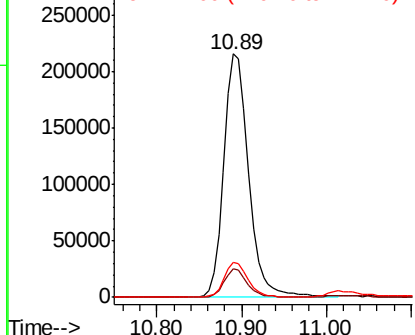
#31
Naphthalene
Concen: 49.131 ng
RT: 10.89 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

Tgt Ion:128 Resp: 438094
Ion Ratio Lower Upper
128 100
129 11.7 9.4 14.2
127 14.1 11.0 16.4

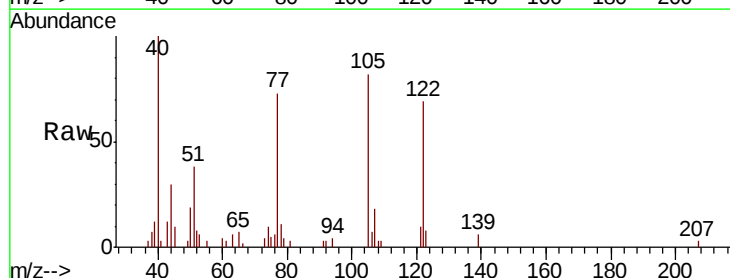


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

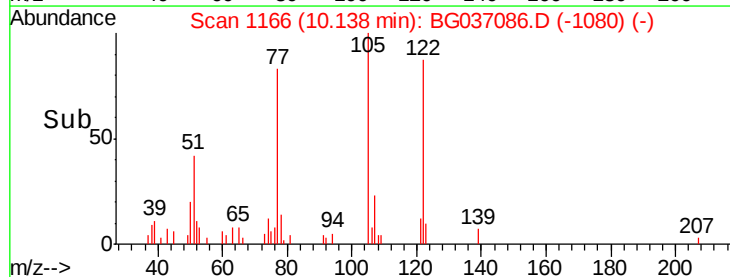
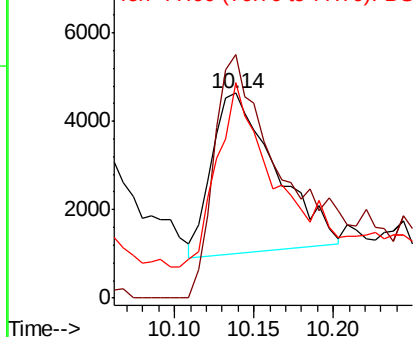


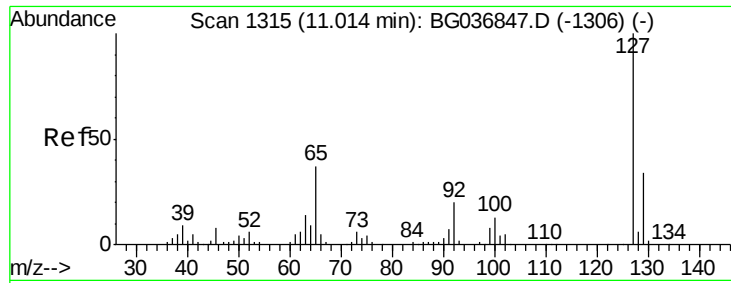
#32
Benzoic acid
Concen: 10.855 ng
RT: 10.14 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:122 Resp: 10189
Ion Ratio Lower Upper
122 100
105 118.9 108.1 148.1
77 105.3 76.3 116.3



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

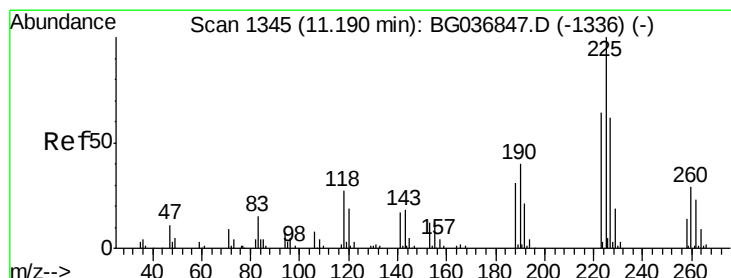
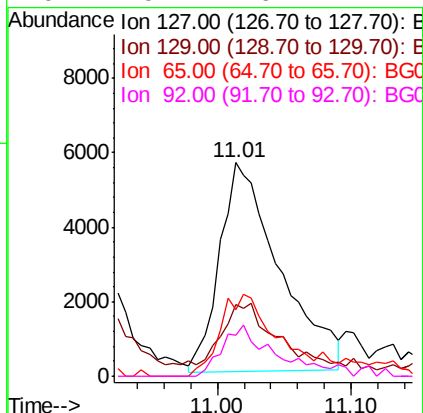
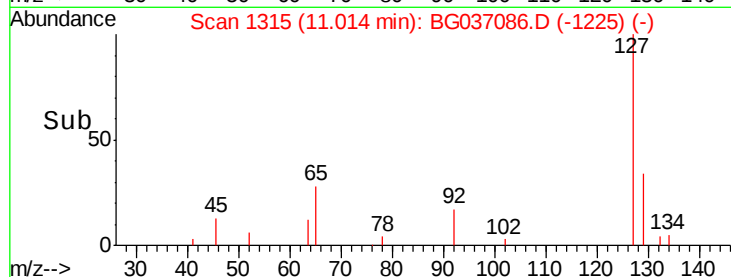
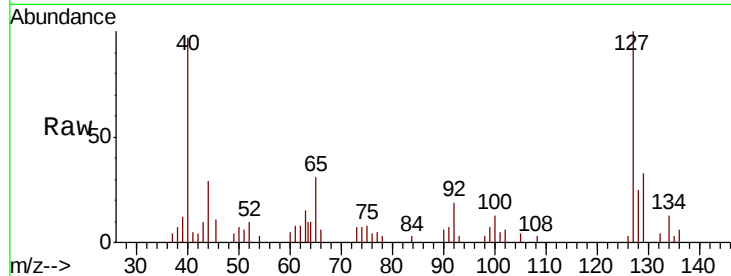




#33
4-Chloroaniline
Concen: 4.335 ng
RT: 11.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

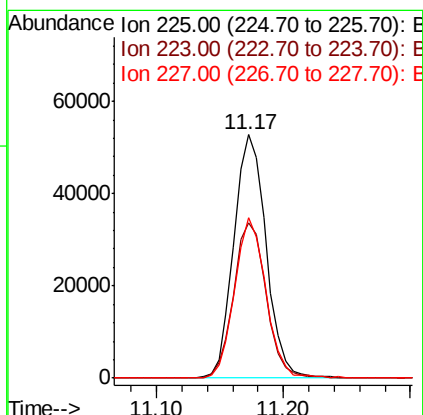
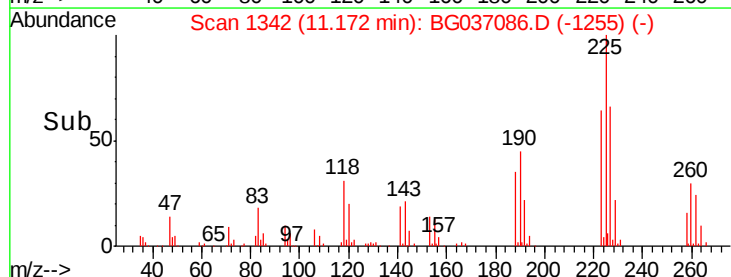
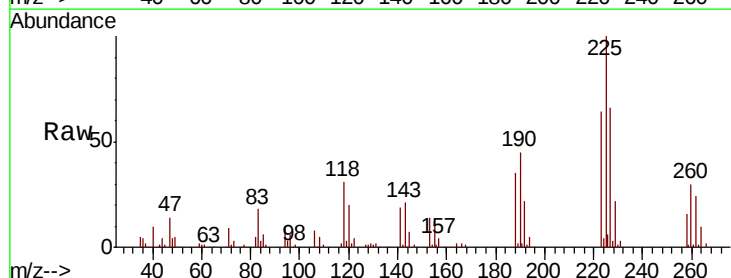
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

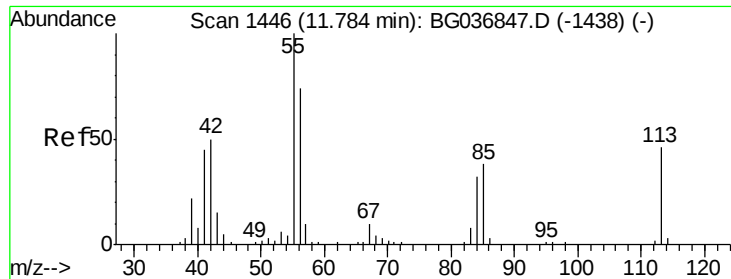
Tgt Ion:	127	Resp:	17574
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.9	38.9
65	31.4	27.5	41.3
92	19.4	16.2	24.2



#34
Hexachlorobutadiene
Concen: 39.924 ng
RT: 11.17 min Scan# 1342
Delta R.T. -0.02 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:	225	Resp:	92940
Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.8	77.8
227	65.6	49.8	74.6

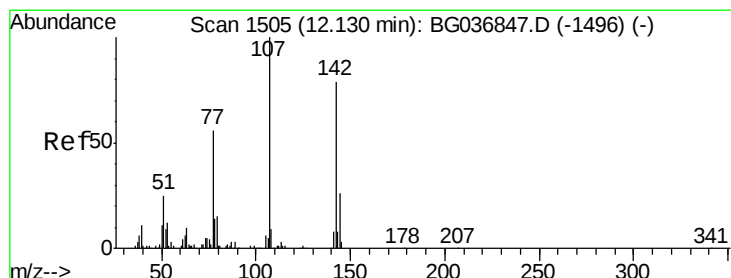
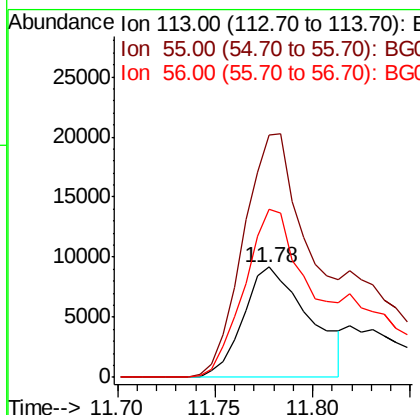
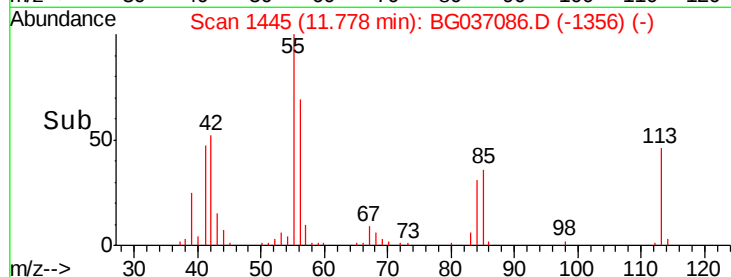
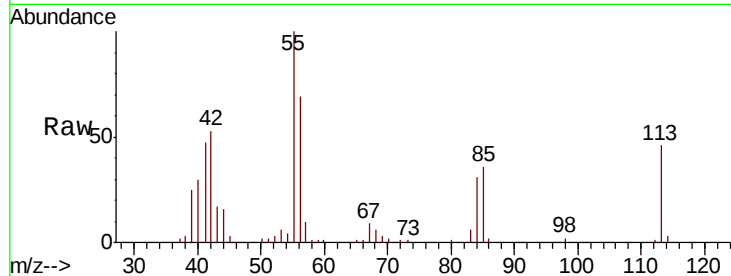




#35
 Caprolactam
 Concen: 19.396 ng
 RT: 11.78 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

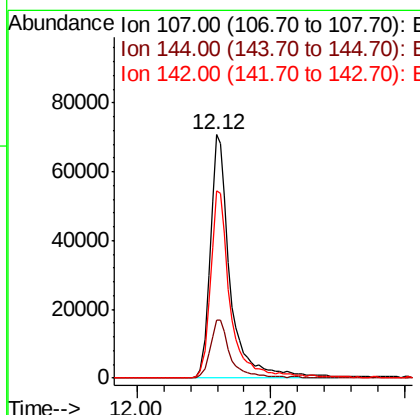
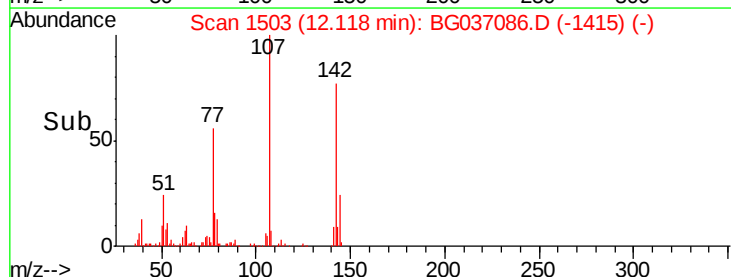
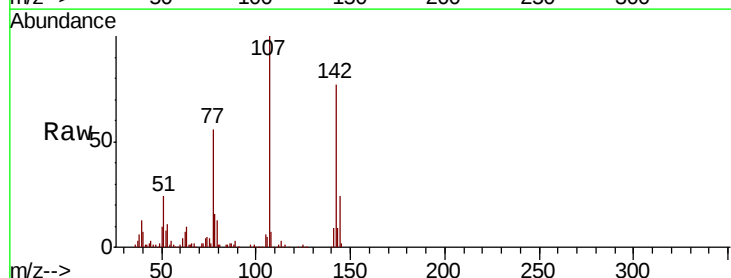
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

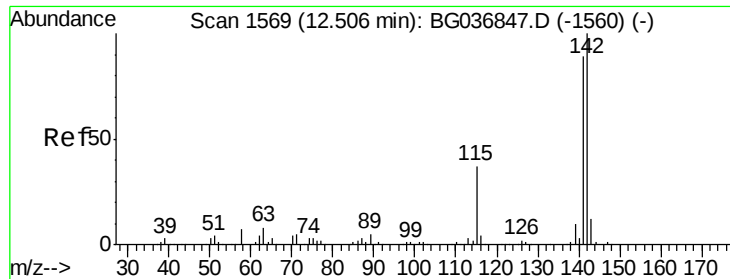
Tgt Ion:113 Resp: 21474
 Ion Ratio Lower Upper
 113 100
 55 219.4 197.7 237.7
 56 152.1 131.7 171.7



#36
 4-Chloro-3-methylphenol
 Concen: 46.129 ng
 RT: 12.12 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:107 Resp: 148053
 Ion Ratio Lower Upper
 107 100
 144 23.7 19.5 29.3
 142 76.8 62.4 93.6

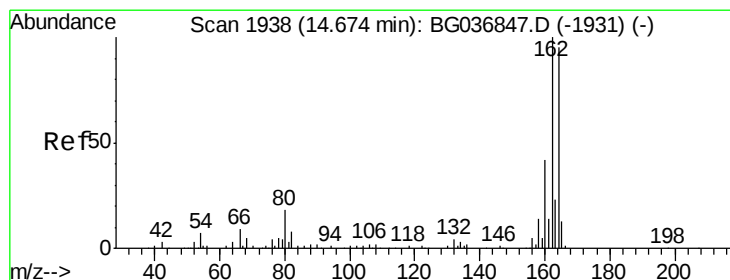
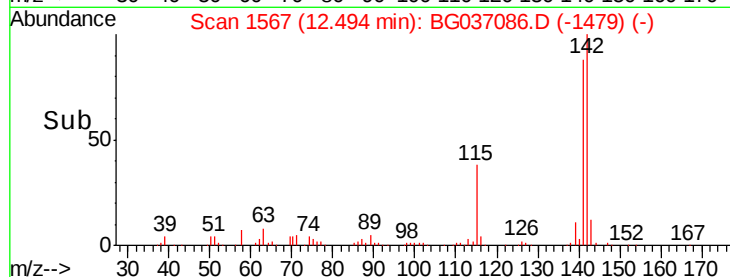
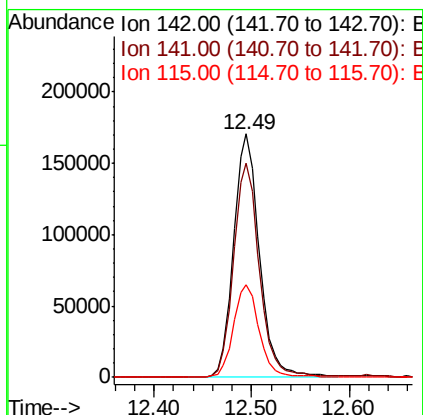
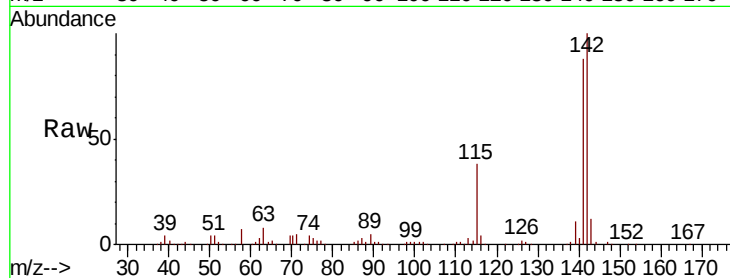




#37
2-Methylnaphthalene
Concen: 46.270 ng
RT: 12.49 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

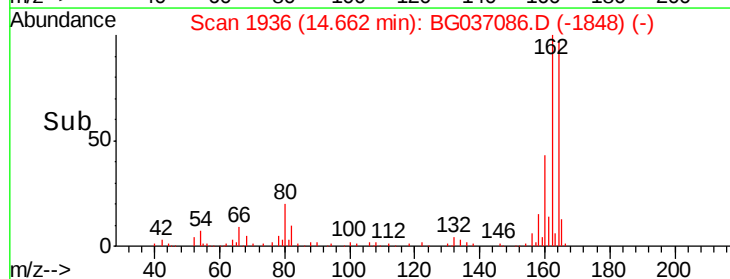
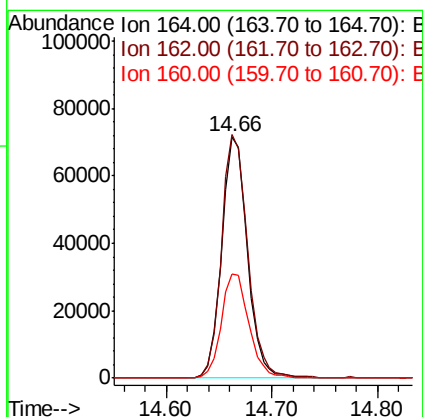
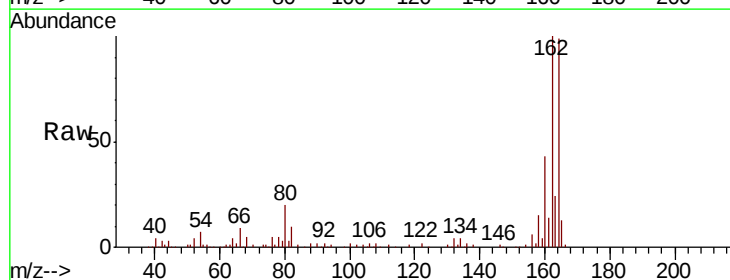
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

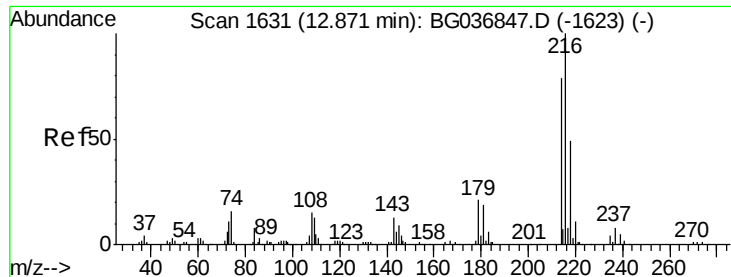
Tgt Ion:142 Resp: 314230
Ion Ratio Lower Upper
142 100
141 87.9 68.5 102.7
115 38.2 29.8 44.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:164 Resp: 120810
Ion Ratio Lower Upper
164 100
162 100.9 80.7 121.1
160 43.0 35.3 52.9





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.071 ng

RT: 12.86 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

Tgt Ion:216 Resp: 173058

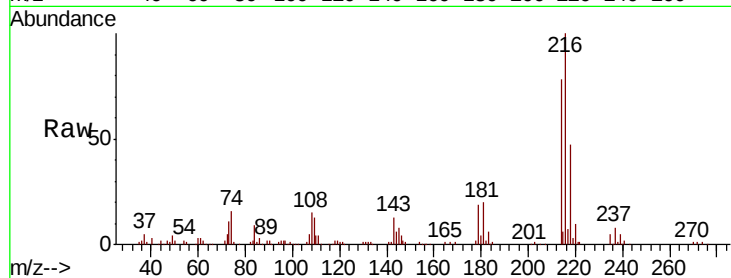
Ion Ratio Lower Upper

216 100

214 76.8 61.0 91.6

179 19.8 15.7 23.5

108 18.8 13.1 19.7

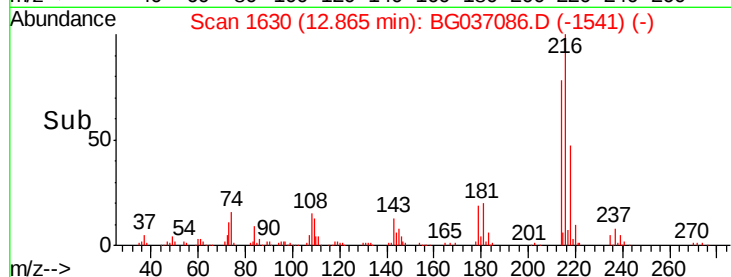


Abundance Ion 216.00 (215.70 to 216.70): E

150000 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



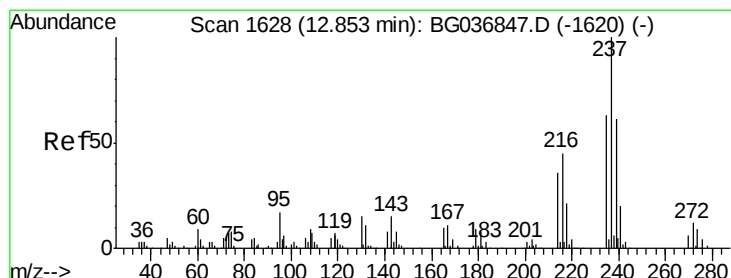
12.86

100000

50000

0

Time-->



#40

Hexachlorocyclopentadiene

Concen: 87.112 ng

RT: 12.84 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

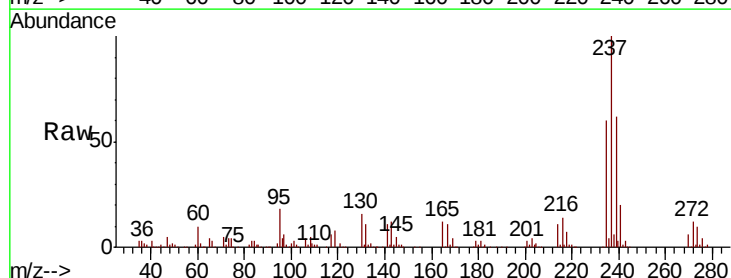
Tgt Ion:237 Resp: 188780

Ion Ratio Lower Upper

237 100

235 60.4 42.2 82.2

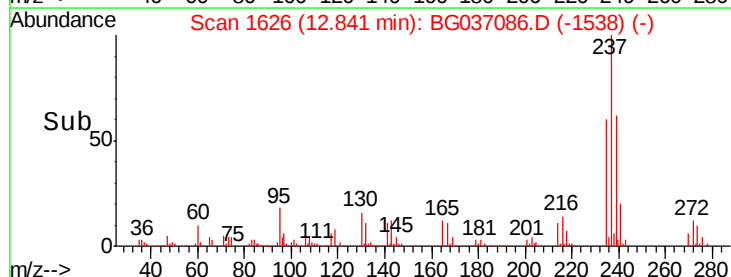
272 11.9 0.0 32.1



Abundance Ion 236.80 (236.50 to 237.50): E

150000 Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



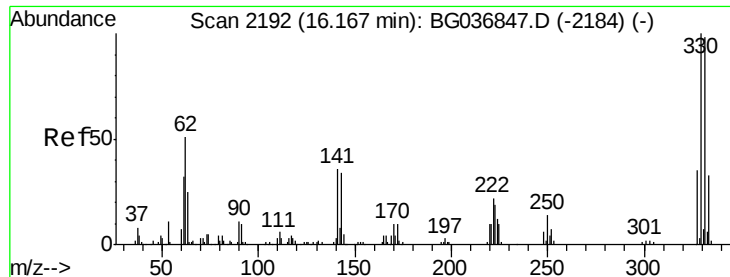
12.84

100000

50000

0

Time-->



#41

2,4,6-Tribromophenol

Concen: 118.524 ng

RT: 16.15 min Scan# 2190

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

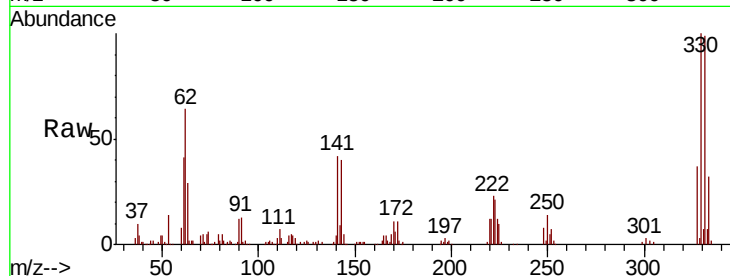
Tgt Ion:330 Resp: 171316

Ion Ratio Lower Upper

330 100

332 96.5 75.4 113.2

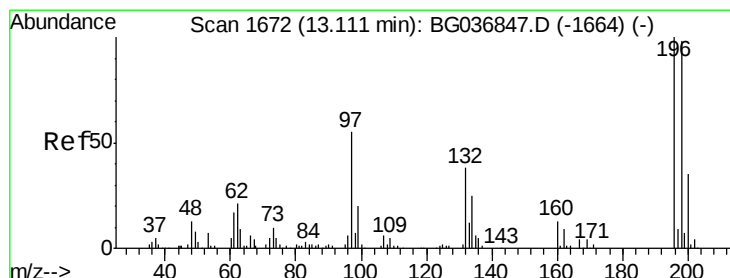
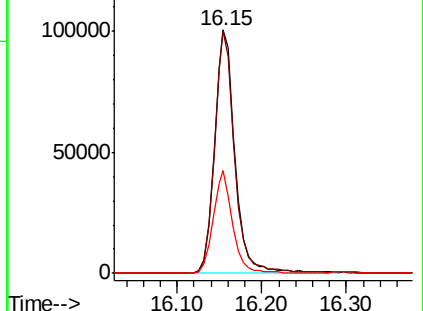
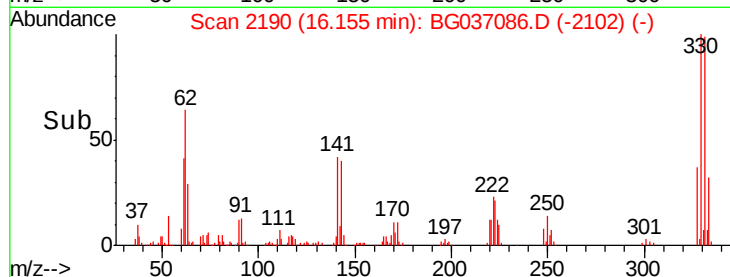
141 40.0 30.7 46.1



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: 44.972 ng

RT: 13.10 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

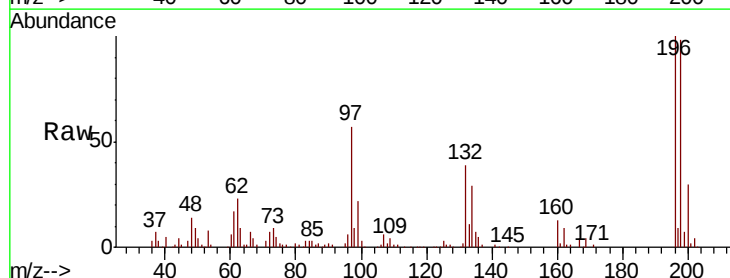
Tgt Ion:196 Resp: 105227

Ion Ratio Lower Upper

196 100

198 98.1 77.2 115.8

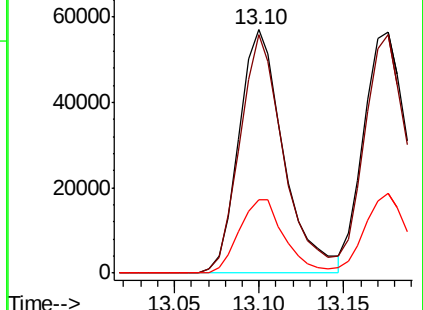
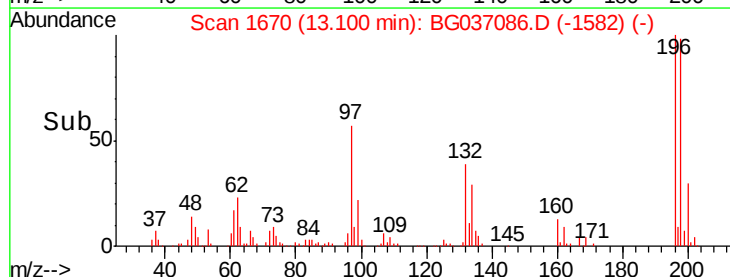
200 30.3 26.3 39.5

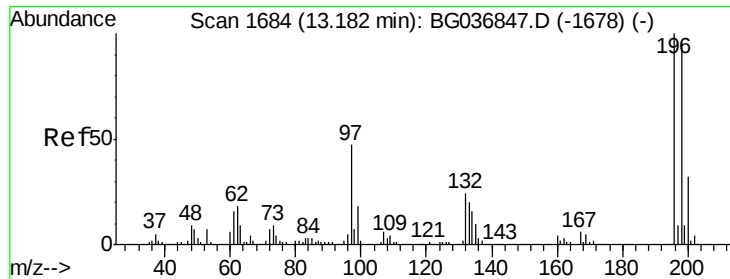


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

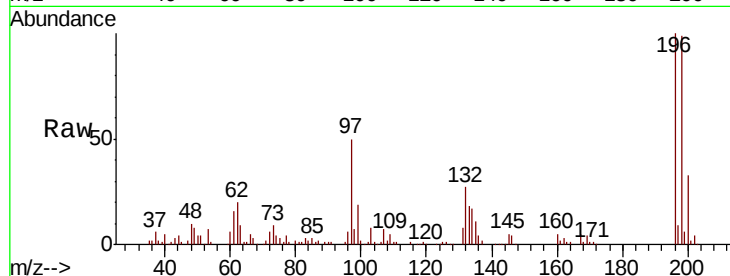




#43
 2,4,5-Trichlorophenol
 Concen: 46.643 ng
 RT: 13.18 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion	Resp	Lower	Upper
196	116375		
196	100		
198	98.9	75.6	113.4
97	49.7	37.2	55.8
132	27.3	19.4	29.2



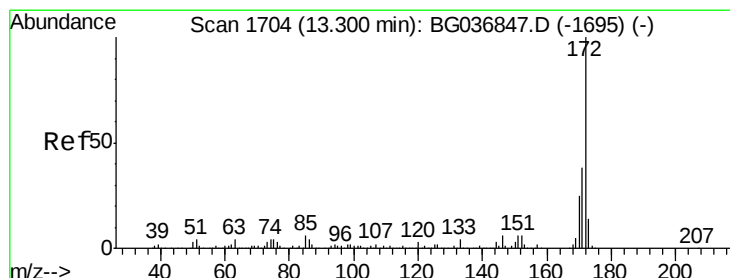
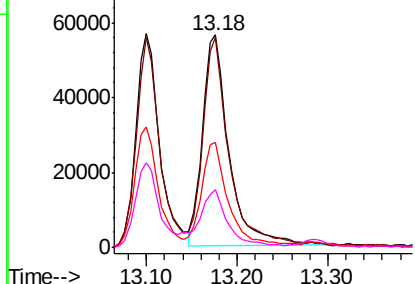
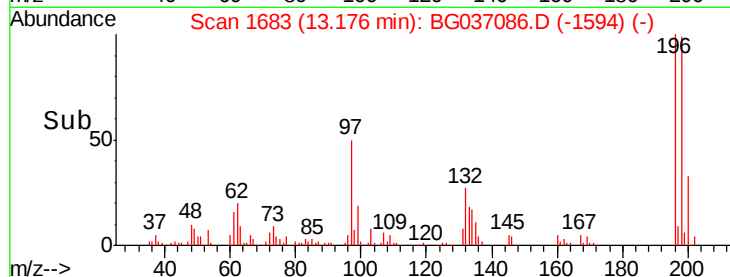
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

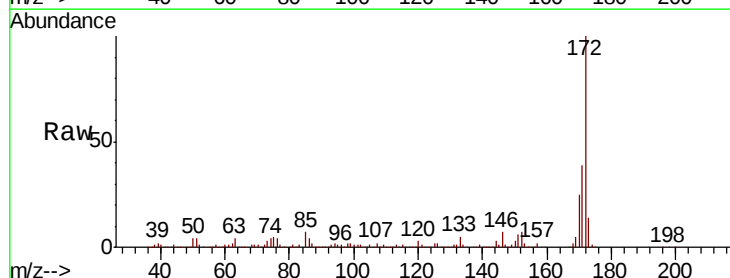
Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 75.594 ng
 RT: 13.29 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion	Resp	Lower	Upper
172	613173		
172	100		
171	38.6	31.3	46.9
170	25.2	21.0	31.6

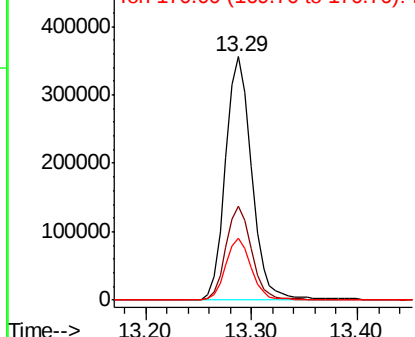
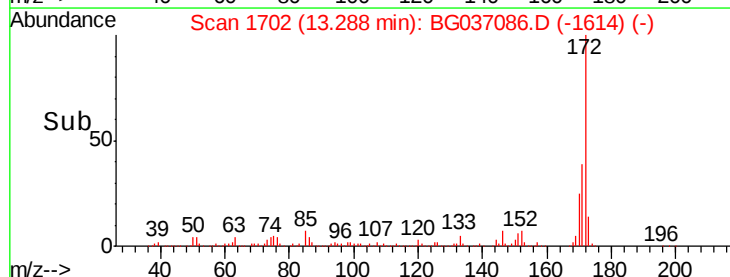


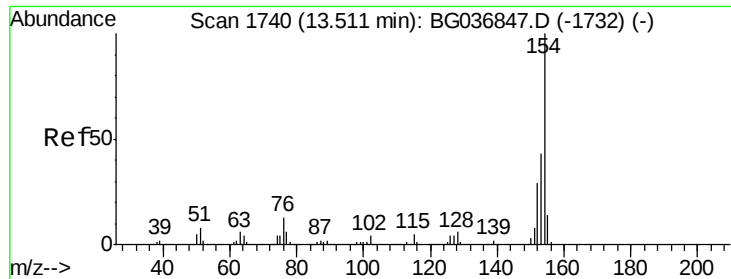
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

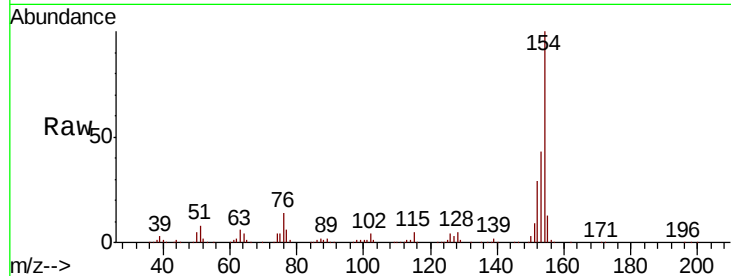




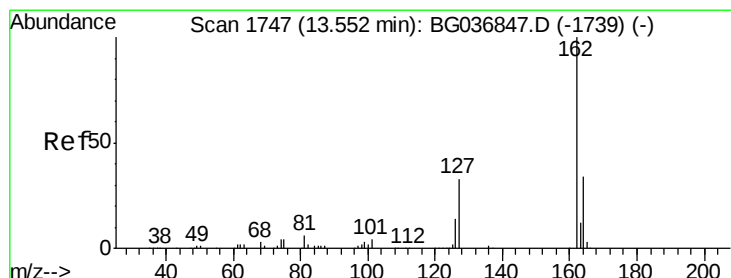
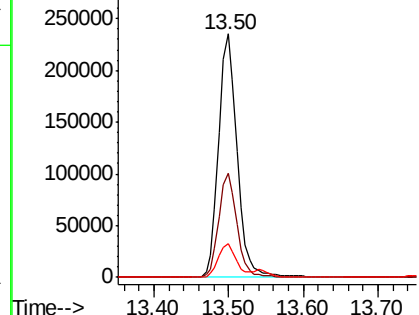
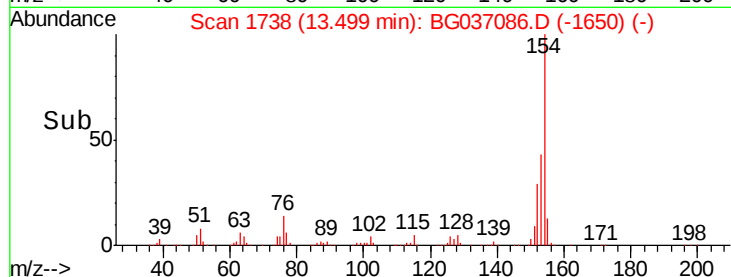
#45
 1,1'-Biphenyl
 Concen: 43.891 ng
 RT: 13.50 min Scan# 1738
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion:154 Resp: 406098
 Ion Ratio Lower Upper
 154 100
 153 42.7 24.0 64.0
 76 13.7 0.0 32.9

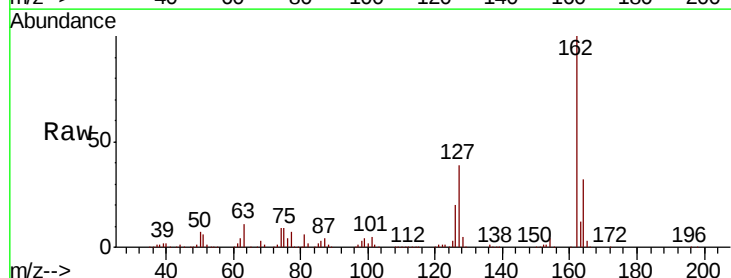


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

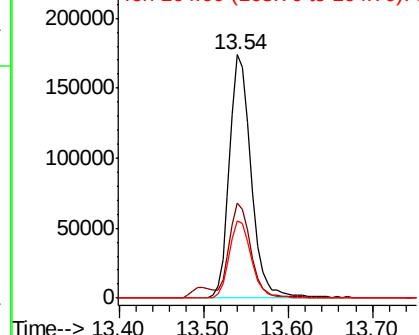
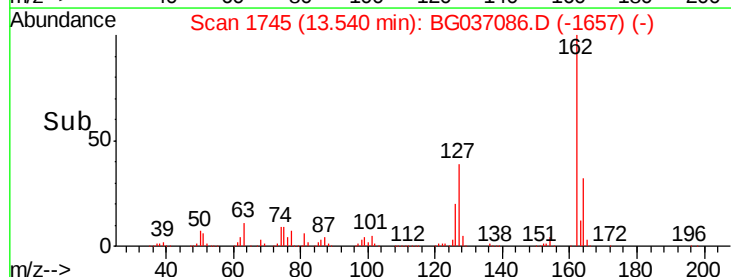


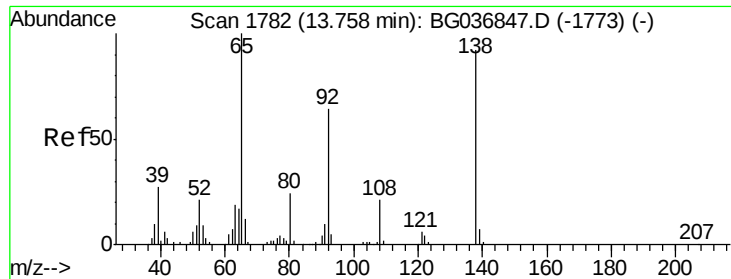
#46
 2-Chloronaphthalene
 Concen: 42.617 ng
 RT: 13.54 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:162 Resp: 310087
 Ion Ratio Lower Upper
 162 100
 127 39.1 30.7 46.1
 164 31.6 26.7 40.1



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





#47

2-Nitroaniline

Concen: 46.153 ng

RT: 13.75 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

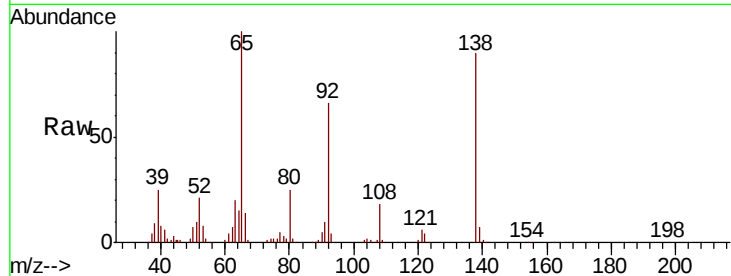
Tgt Ion: 65 Resp: 116153

Ion Ratio Lower Upper

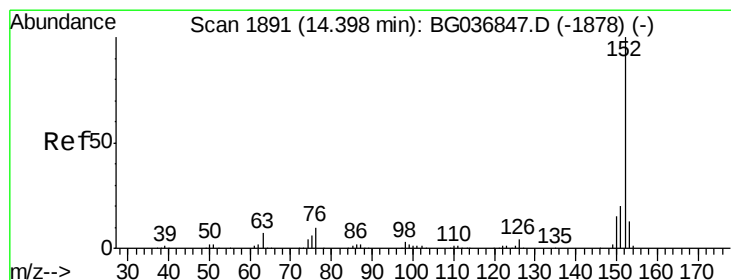
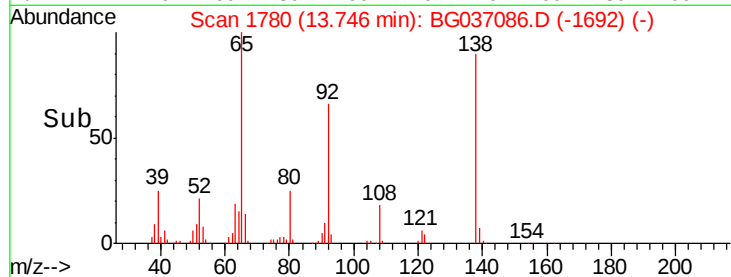
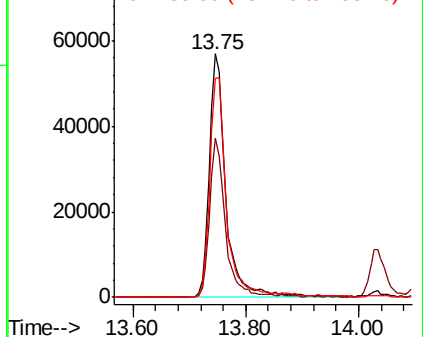
65 100

92 65.5 49.9 74.9

138 90.0 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: 47.211 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

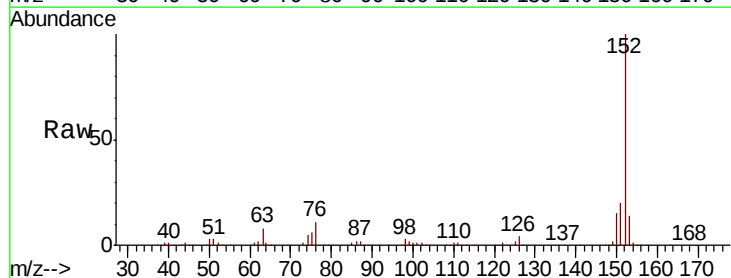
Tgt Ion: 152 Resp: 538294

Ion Ratio Lower Upper

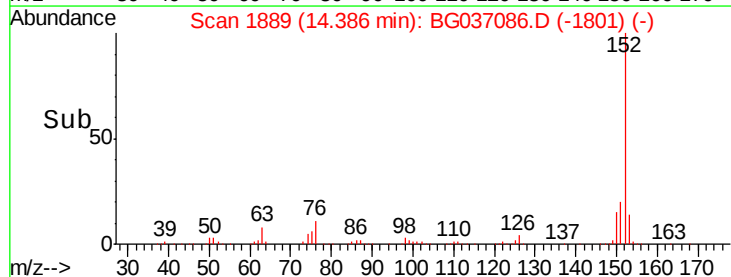
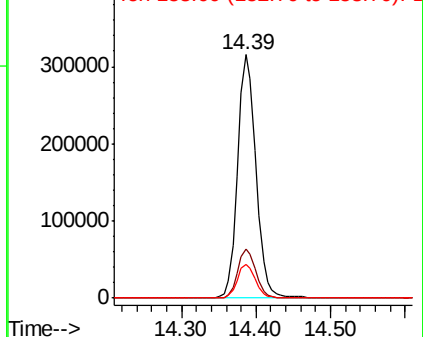
152 100

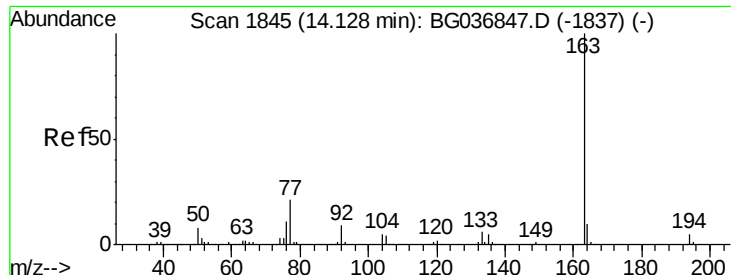
151 20.1 16.9 25.3

153 14.1 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: 42.840 ng

RT: 14.12 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

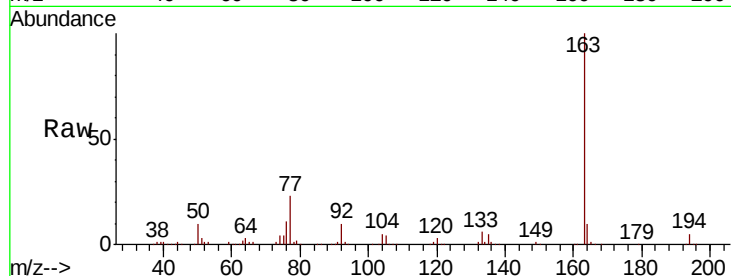
Tgt Ion:163 Resp: 416592

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

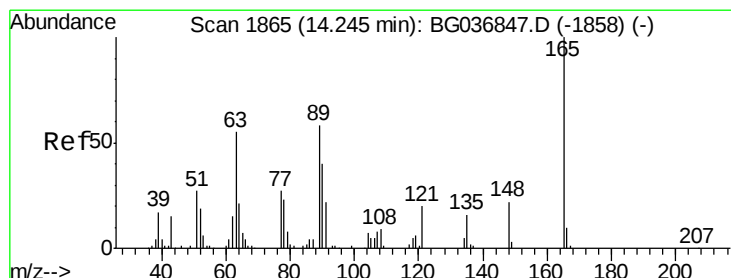
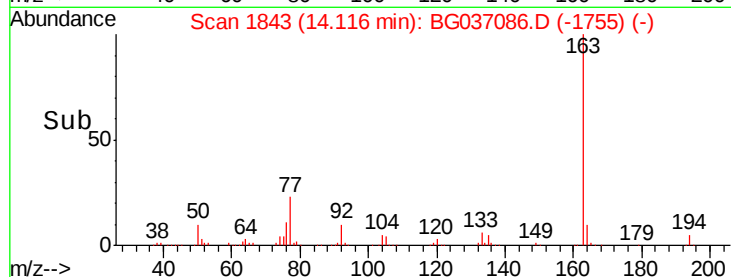
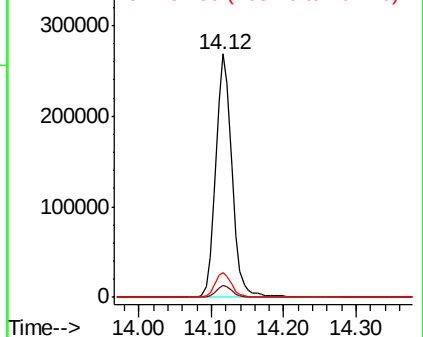
164 10.2 8.1 12.1



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: 42.982 ng

RT: 14.24 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

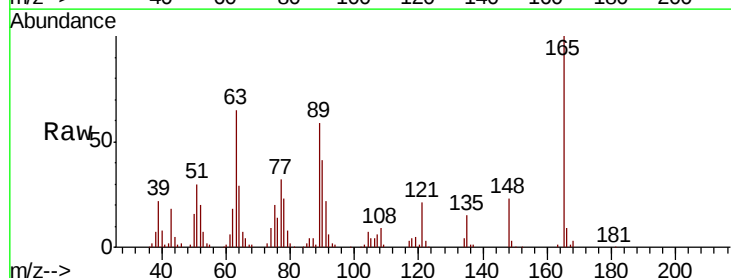
Tgt Ion:165 Resp: 91195

Ion Ratio Lower Upper

165 100

63 65.1 50.1 75.1

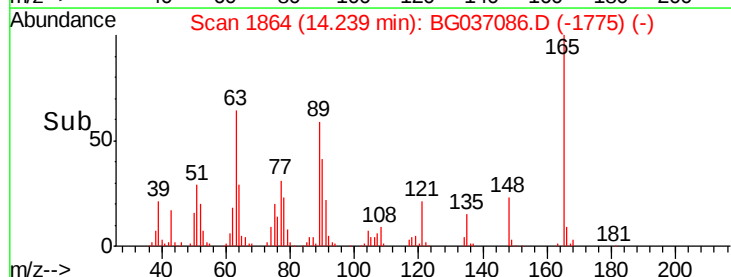
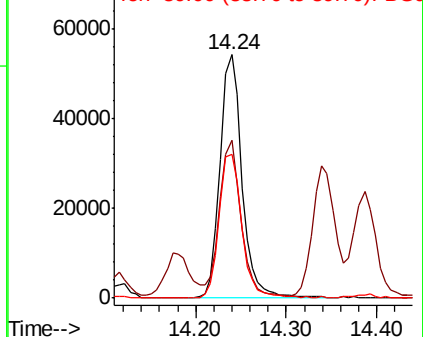
89 59.2 47.8 71.6

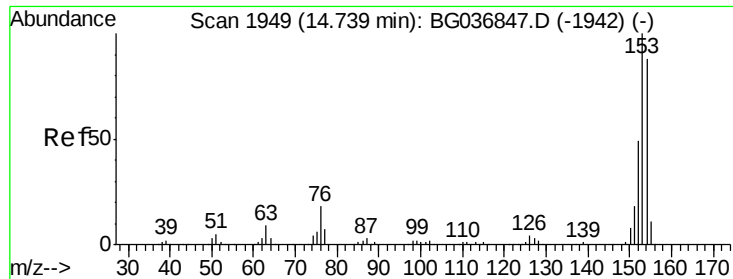


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 45.174 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

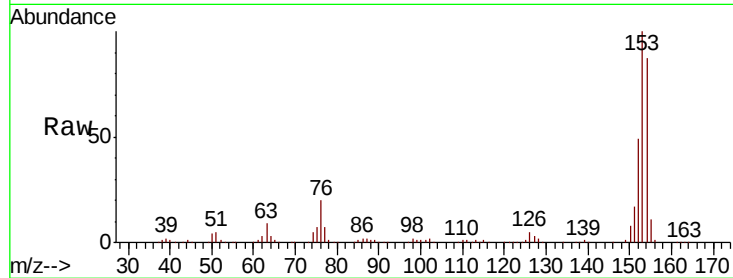
Tgt Ion:154 Resp: 311297

Ion Ratio Lower Upper

154 100

153 114.5 91.8 137.6

152 55.6 43.5 65.3

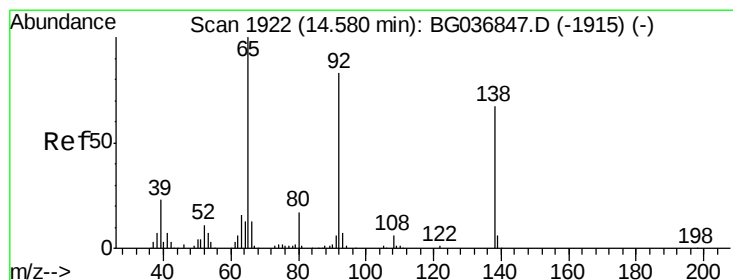
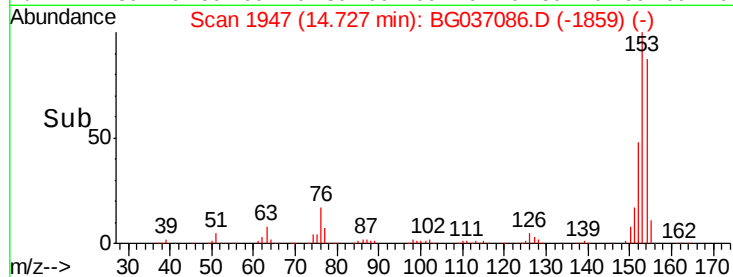
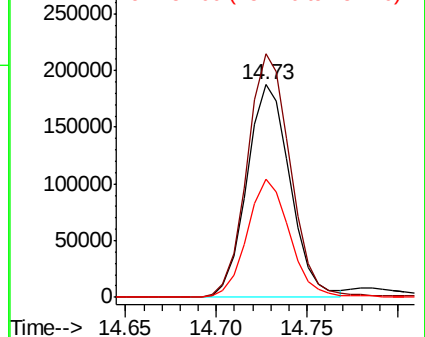


Abundance

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: 17.264 ng

RT: 14.57 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

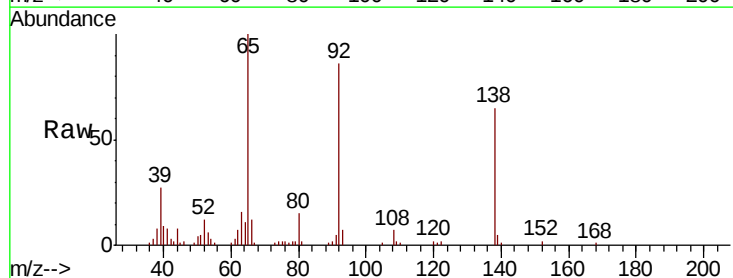
Tgt Ion:138 Resp: 38597

Ion Ratio Lower Upper

138 100

108 10.3 9.4 14.2

92 131.4 96.8 145.2

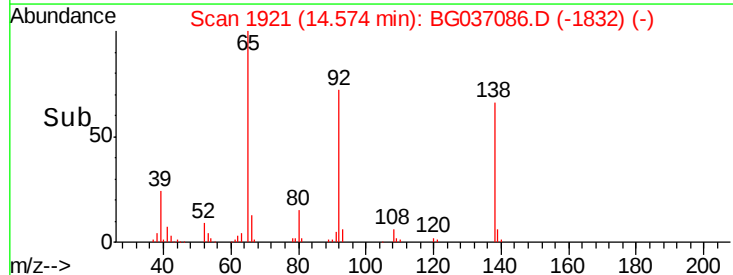
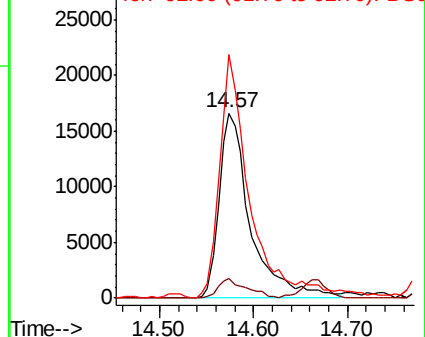


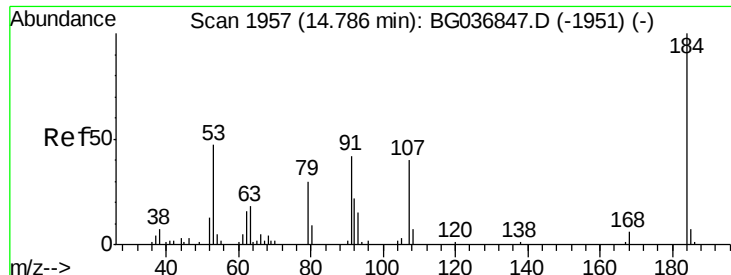
Abundance

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

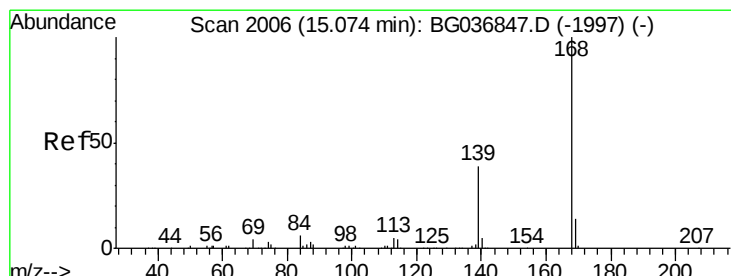
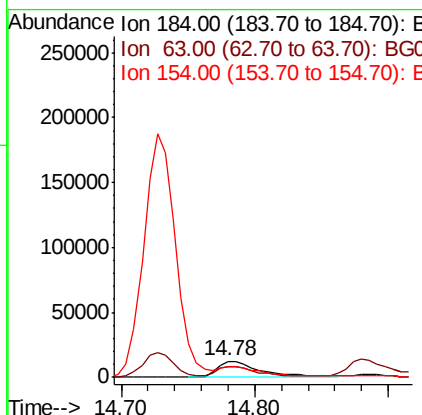
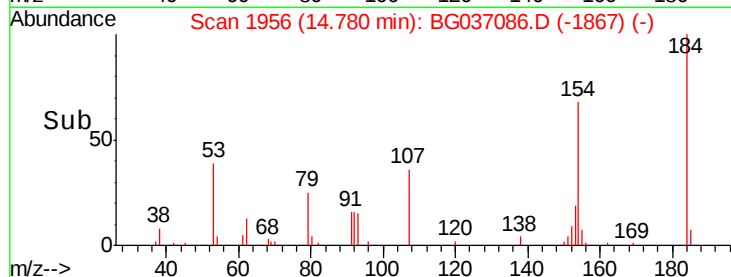
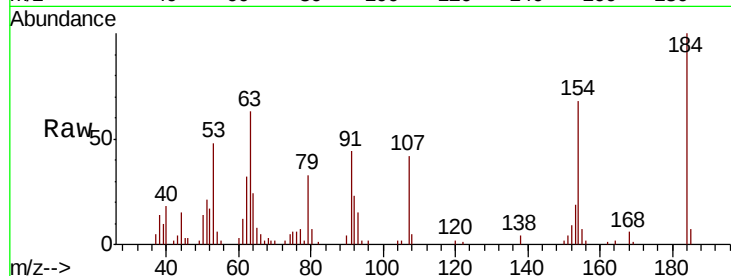




#53
2,4-Dinitrophenol
Concen: 34.244 ng
RT: 14.78 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

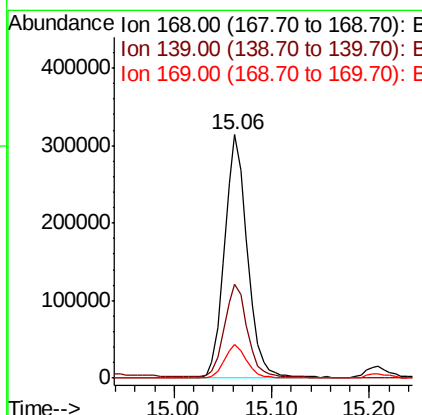
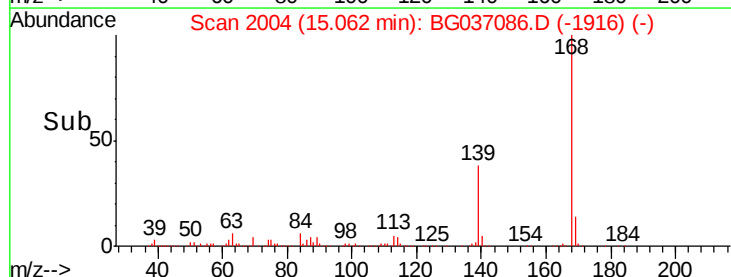
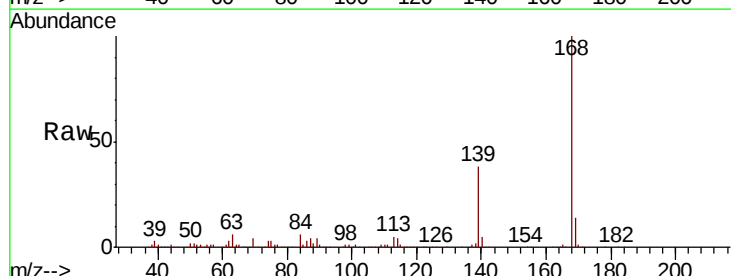
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

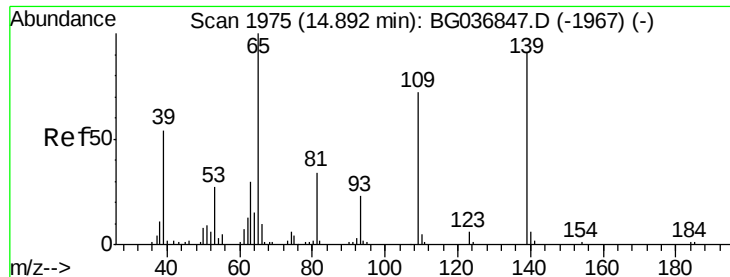
Tgt Ion:184 Resp: 29239
Ion Ratio Lower Upper
184 100
63 63.3 47.3 70.9
154 68.3 51.1 76.7



#54
Dibenzofuran
Concen: 43.821 ng
RT: 15.06 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:168 Resp: 510779
Ion Ratio Lower Upper
168 100
139 38.5 31.0 46.6
169 13.7 11.1 16.7

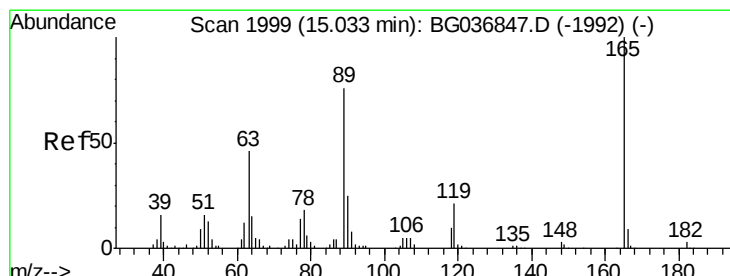
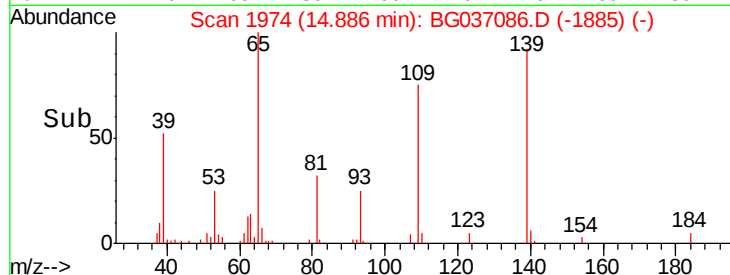
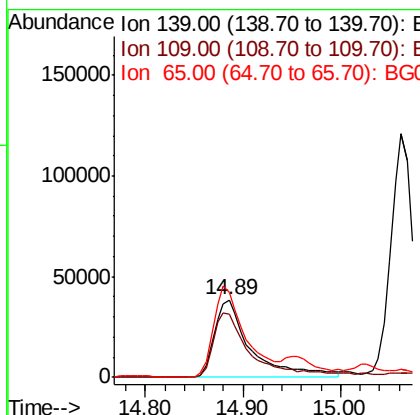
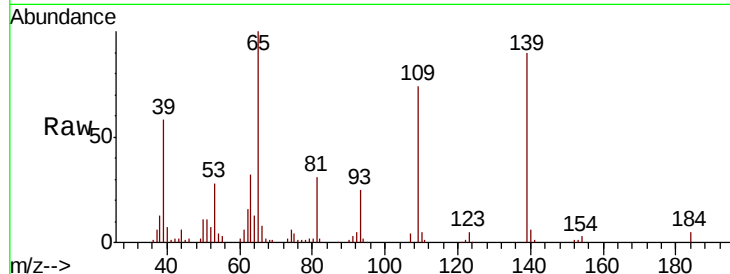




#55
4-Nitrophenol
Concen: 69.762 ng
RT: 14.89 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

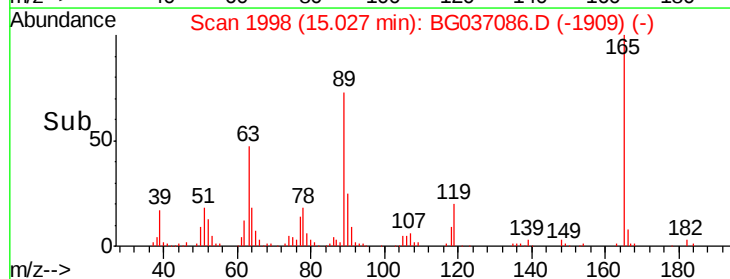
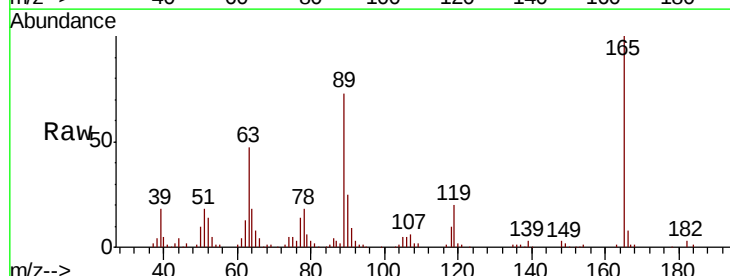
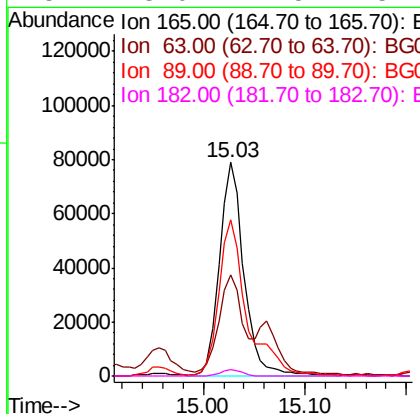
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

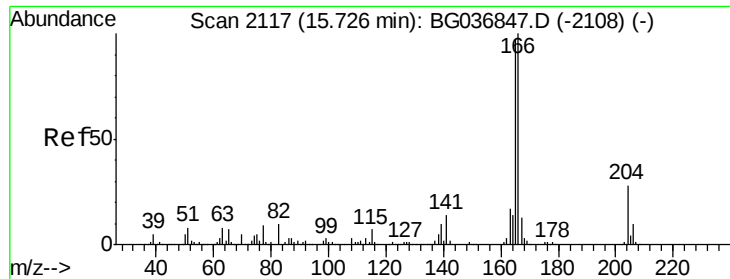
Tgt Ion:139 Resp: 99639
Ion Ratio Lower Upper
139 100
109 82.0 63.9 103.9
65 110.5 90.0 130.0



#56
2,4-Dinitrotoluene
Concen: 44.271 ng
RT: 15.03 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:165 Resp: 131066
Ion Ratio Lower Upper
165 100
63 47.1 40.1 60.1
89 72.9 63.7 95.5
182 3.0 2.5 3.7





#57

Fluorene

Concen: 47.542 ng

RT: 15.71 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

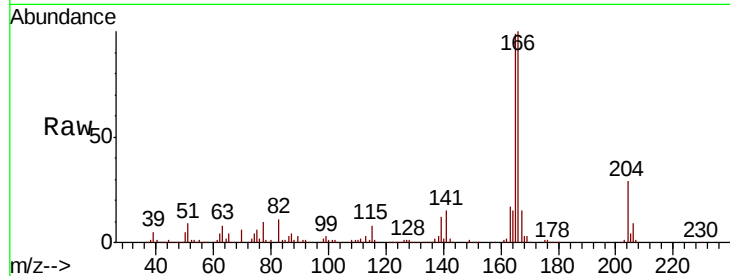
Tgt Ion:166 Resp: 414186

Ion Ratio Lower Upper

166 100

165 98.7 77.0 115.4

167 14.6 10.6 16.0

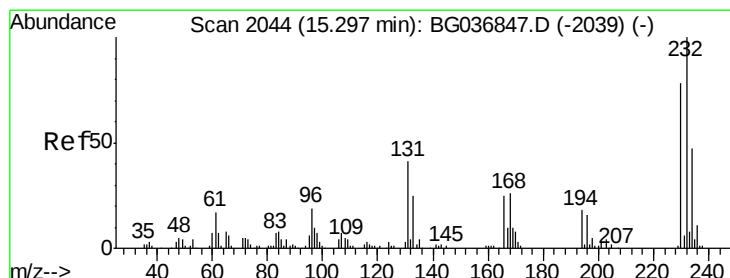
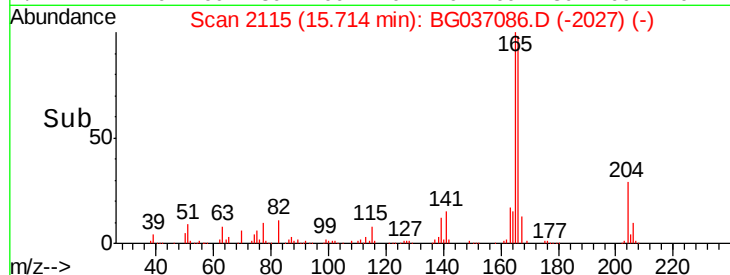
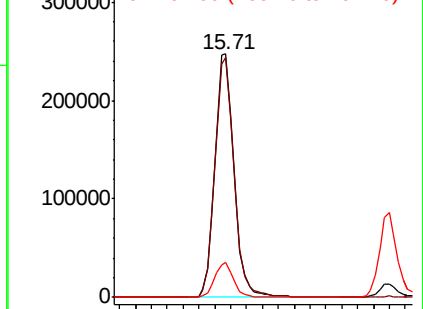


Abundance

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: 46.998 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Tgt Ion:232 Resp: 118952

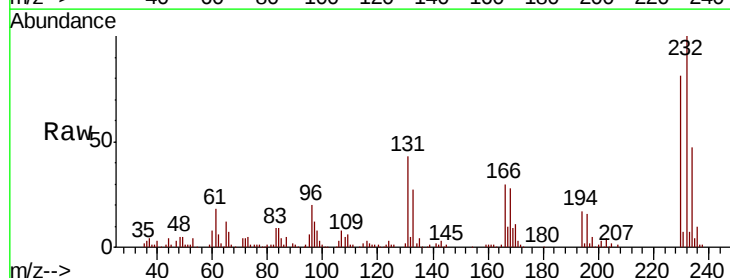
Ion Ratio Lower Upper

232 100

131 39.5 33.8 50.8

130 2.5 2.1 3.1

166 28.4 22.3 33.5



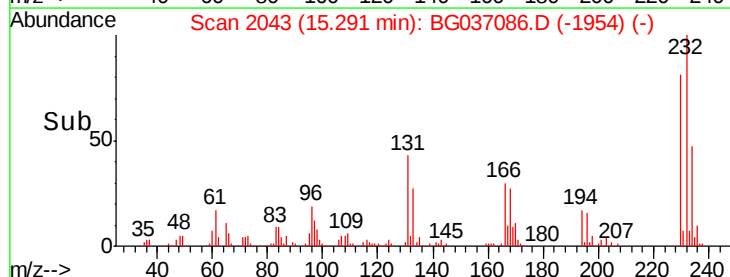
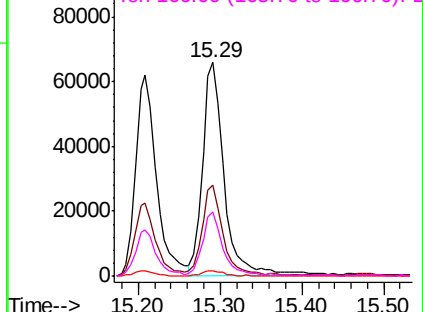
Abundance

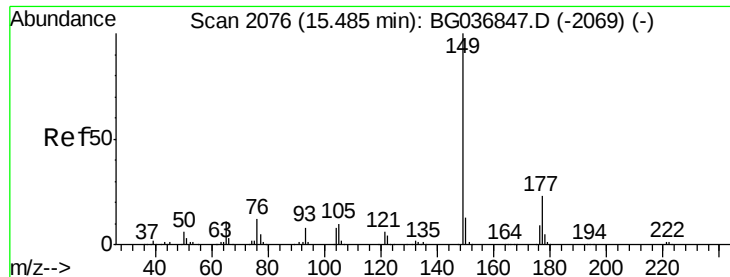
Ion 232.00 (231.70 to 232.70): E

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

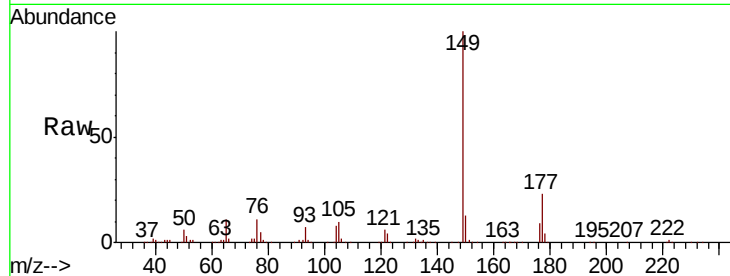




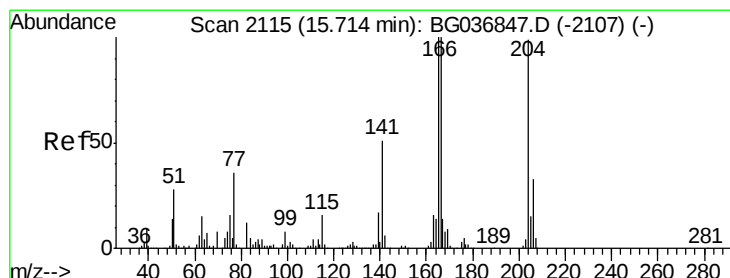
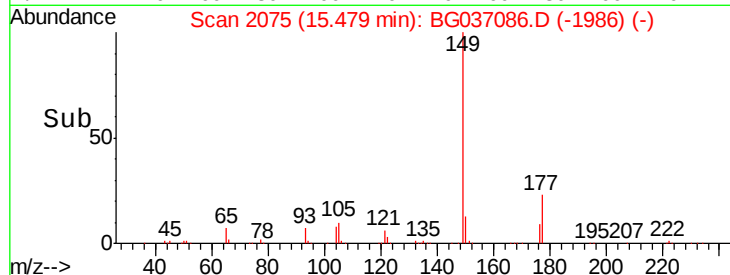
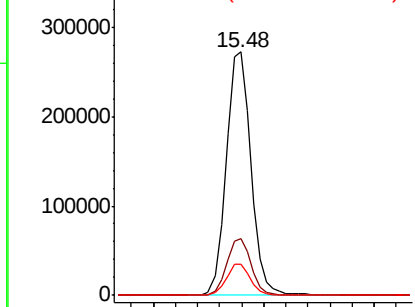
#59
Diethylphthalate
Concen: 43.673 ng
RT: 15.48 min Scan# 2075
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

Tgt Ion:149 Resp: 428349
Ion Ratio Lower Upper
149 100
177 23.4 19.1 28.7
150 13.0 10.7 16.1

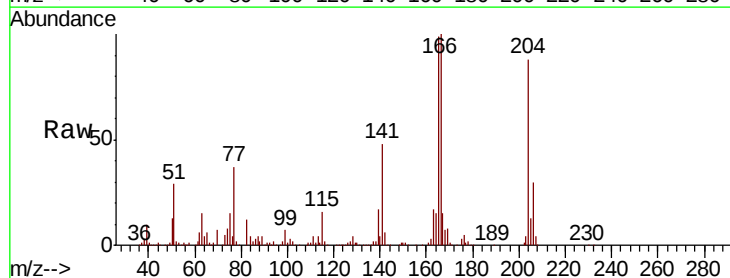


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

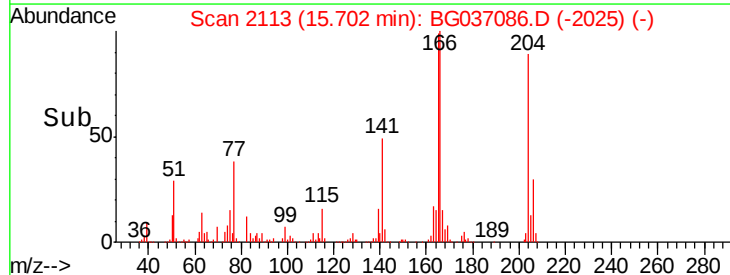
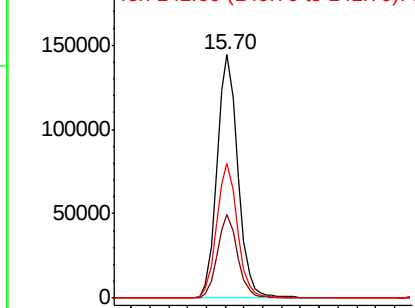


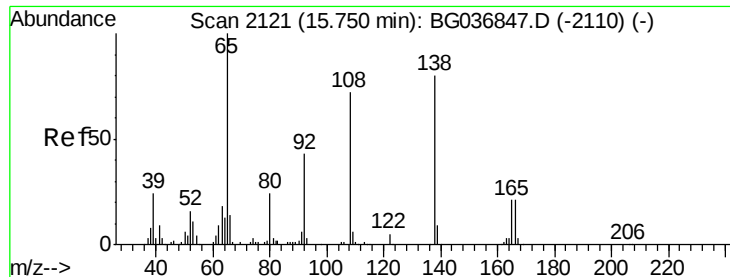
#60
4-Chlorophenyl-phenylether
Concen: 40.958 ng
RT: 15.70 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:204 Resp: 225974
Ion Ratio Lower Upper
204 100
206 34.1 27.0 40.4
141 55.2 43.8 65.6



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





#61

4-Nitroaniline

Concen: 41.837 ng

RT: 15.74 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

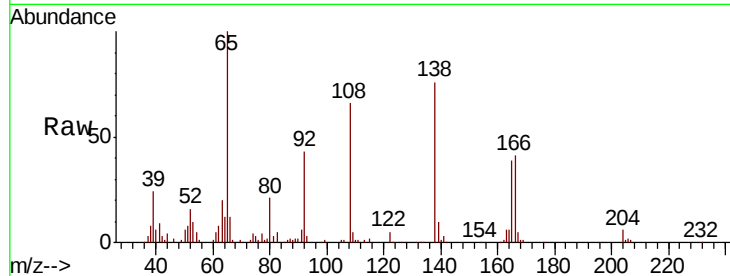
Tgt Ion:138 Resp: 98387

Ion Ratio Lower Upper

138 100

92 56.0 38.5 78.5

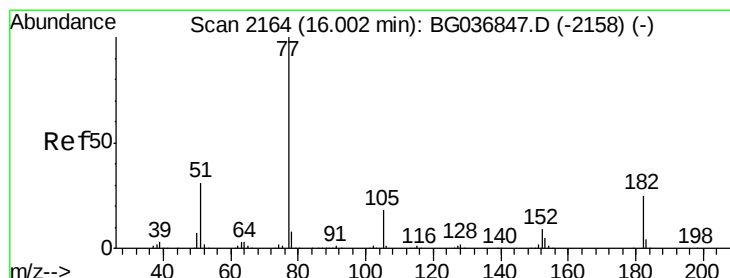
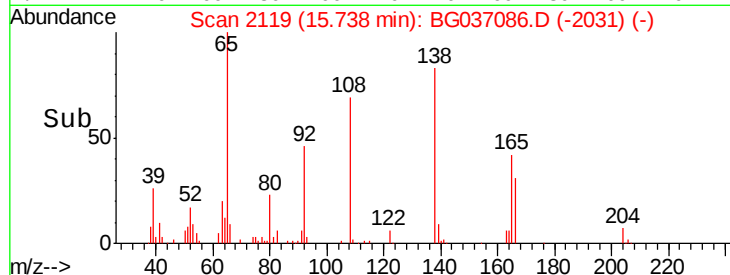
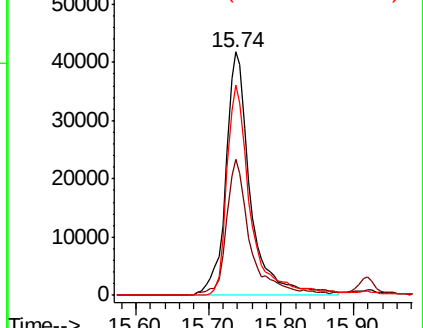
108 86.4 70.3 110.3



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: 47.125 ng

RT: 16.00 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Tgt Ion: 77 Resp: 444113

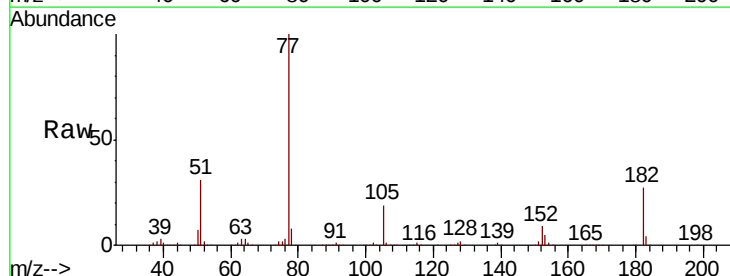
Ion Ratio Lower Upper

77 100

182 26.8 6.7 46.7

105 19.5 0.0 39.8

51 31.0 12.4 52.4

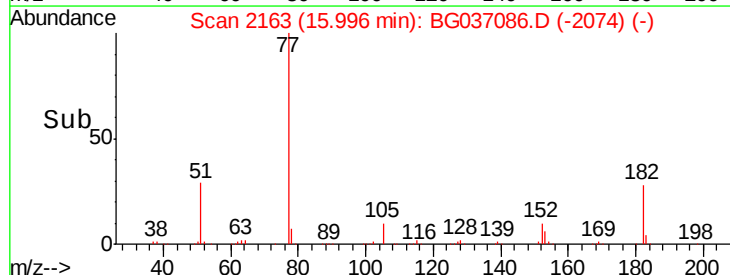
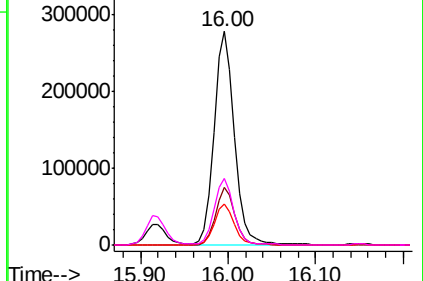


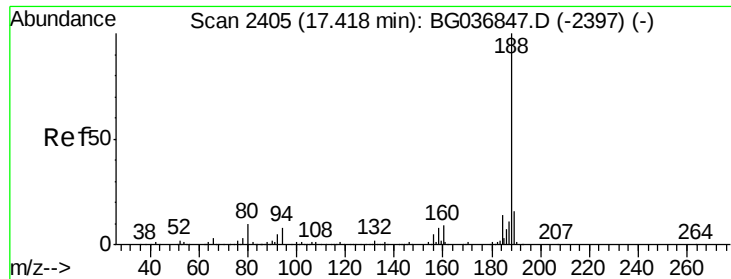
Abundance Ion 77.00 (76.70 to 77.70): BG

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. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

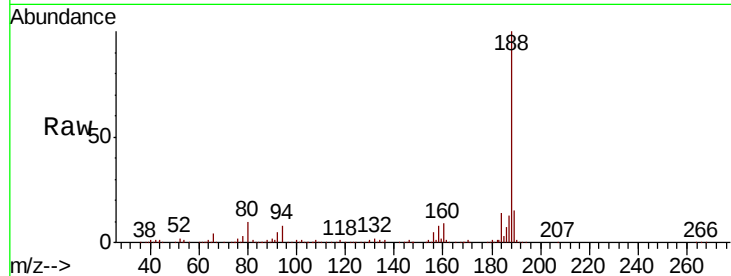
Tgt Ion:188 Resp: 297001

Ion Ratio Lower Upper

188 100

94 7.8 6.7 10.1

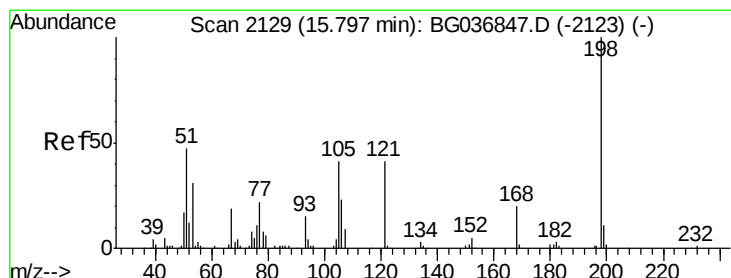
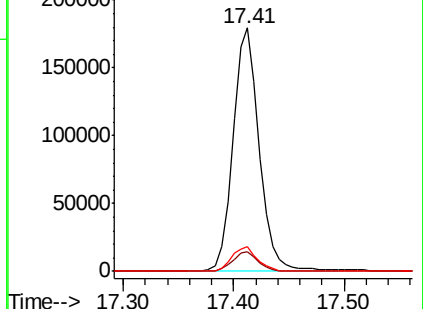
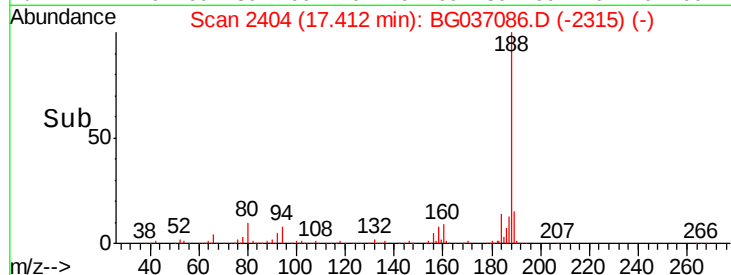
80 10.0 8.1 12.1



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: 30.658 ng

RT: 15.79 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

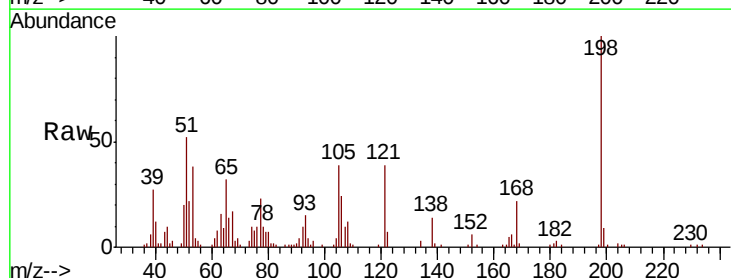
Tgt Ion:198 Resp: 47605

Ion Ratio Lower Upper

198 100

51 52.0 26.5 66.5

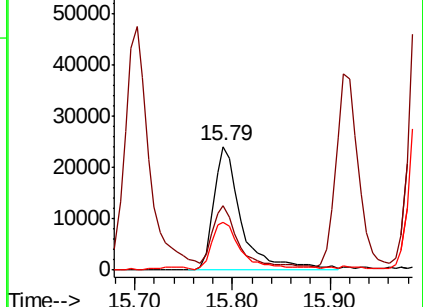
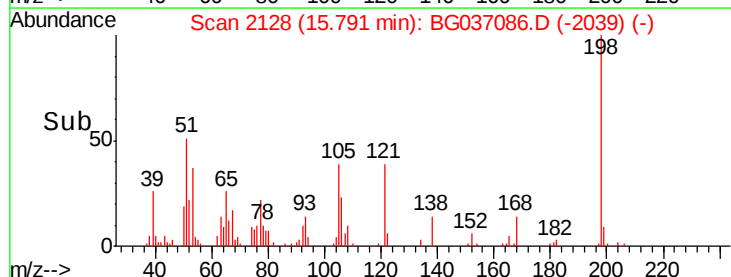
105 39.2 20.2 60.2

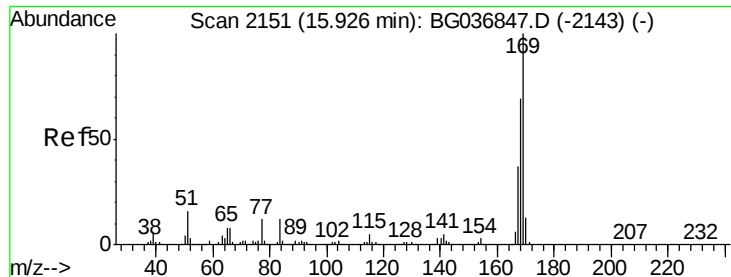


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

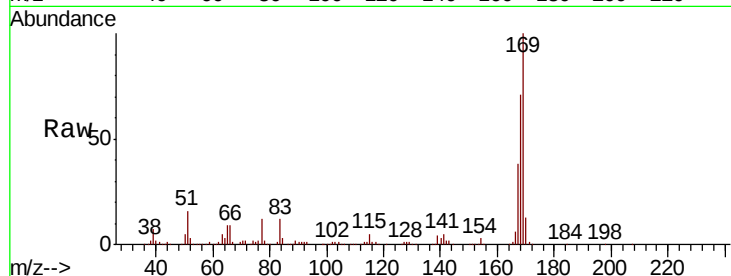




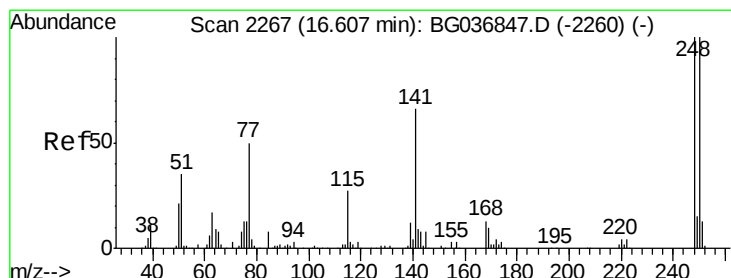
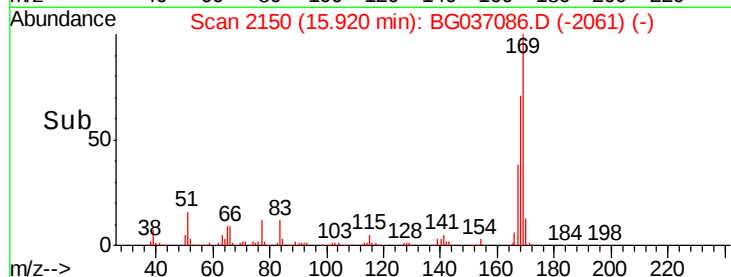
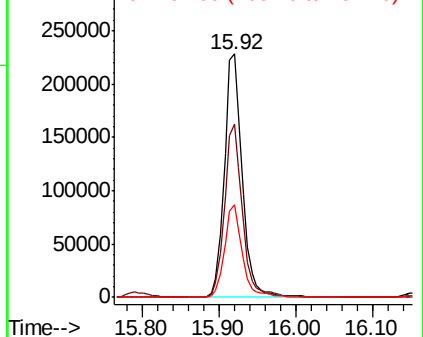
#65
n-Nitrosodiphenylamine
Concen: 45.012 ng
RT: 15.92 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

Tgt Ion:169 Resp: 369070
Ion Ratio Lower Upper
169 100
168 71.1 57.6 86.4
167 38.0 31.0 46.4

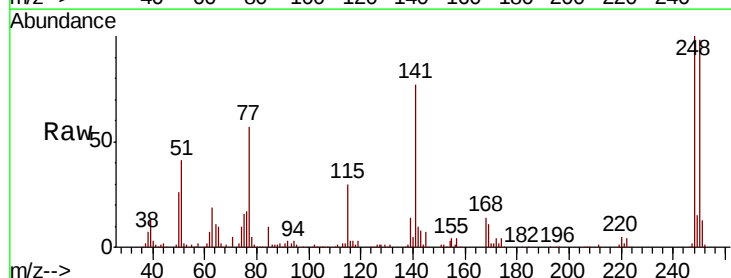


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

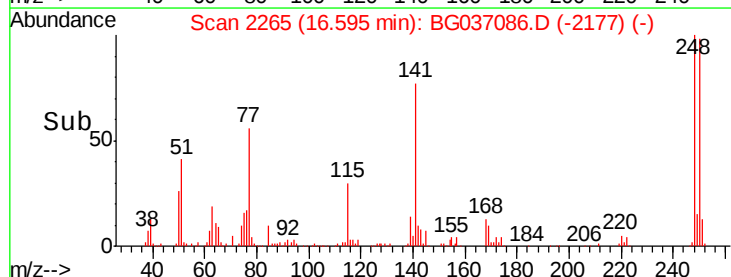
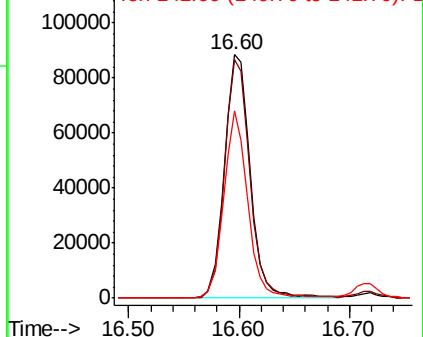


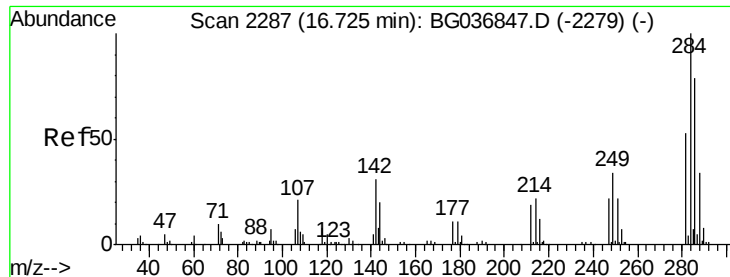
#66
4-Bromophenyl-phenylether
Concen: 42.900 ng
RT: 16.60 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:248 Resp: 144927
Ion Ratio Lower Upper
248 100
250 98.0 78.1 117.1
141 77.2 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: 41.669 ng

RT: 16.72 min Scan# 2286

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

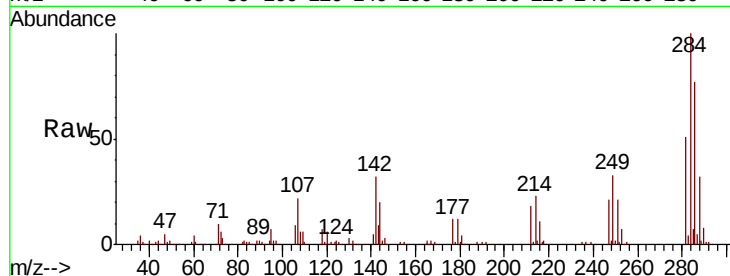
Tgt Ion:284 Resp: 144981

Ion Ratio Lower Upper

284 100

142 31.8 27.8 41.6

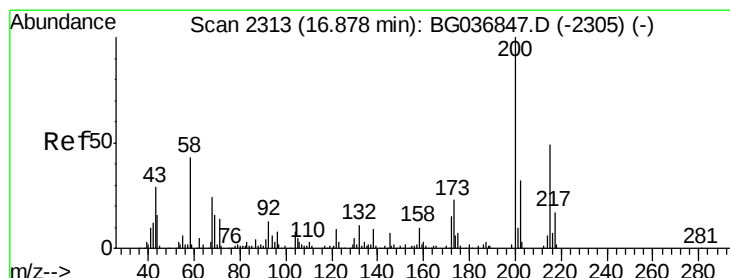
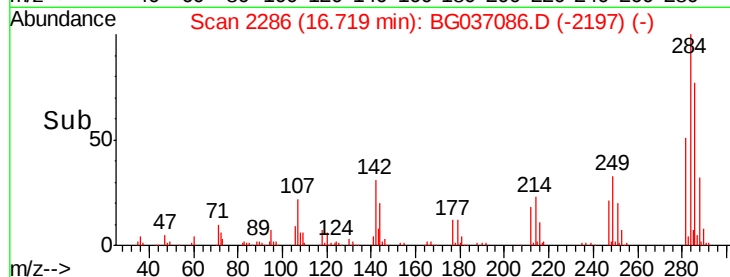
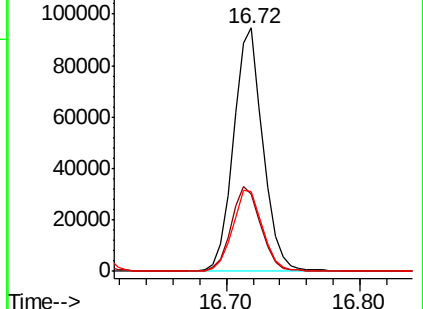
249 32.5 27.4 41.2



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: 45.968 ng

RT: 16.87 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

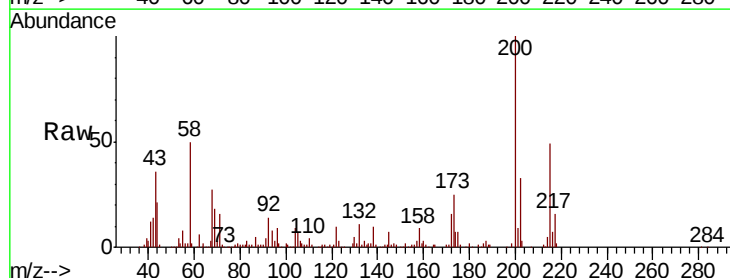
Tgt Ion:200 Resp: 152612

Ion Ratio Lower Upper

200 100

173 25.1 3.9 43.9

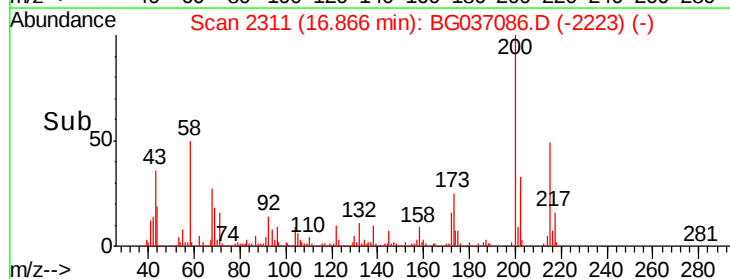
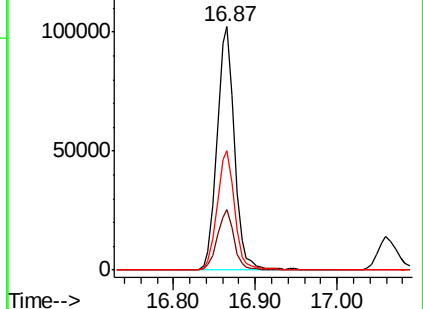
215 49.0 30.4 70.4

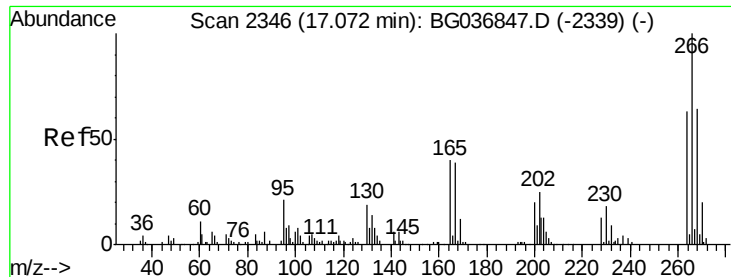


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

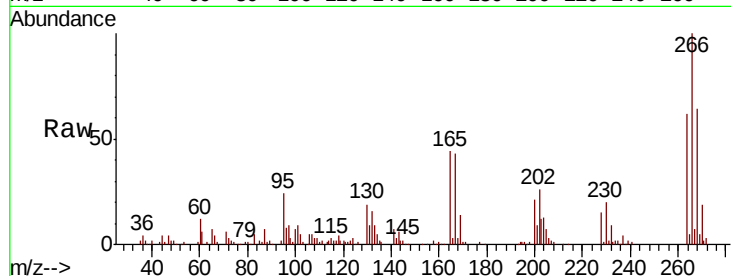




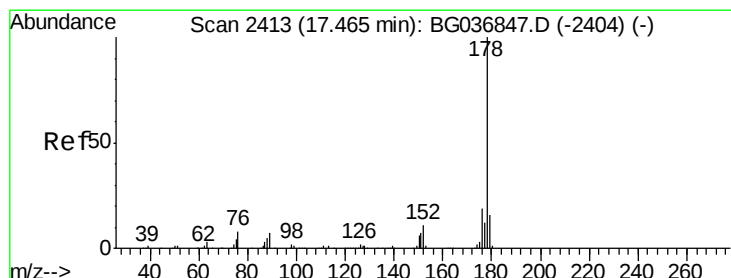
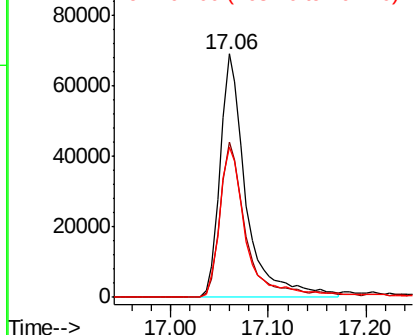
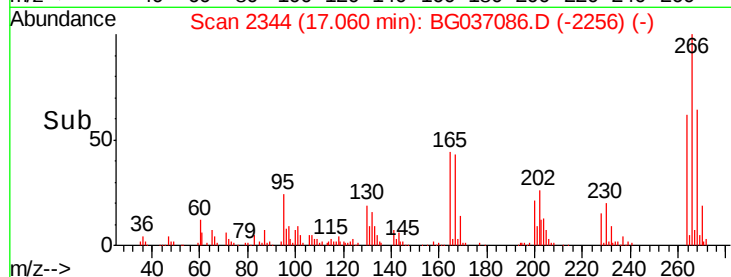
#69
 Pentachlorophenol
 Concen: 58.403 ng
 RT: 17.06 min Scan# 2344
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

Tgt Ion:266 Resp: 127938
 Ion Ratio Lower Upper
 266 100
 268 63.6 51.4 77.2
 264 61.6 48.9 73.3

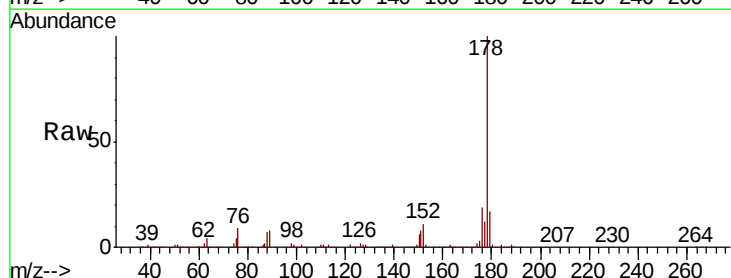


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

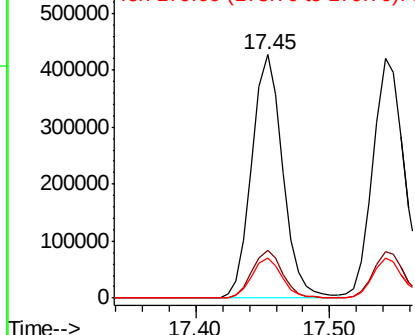
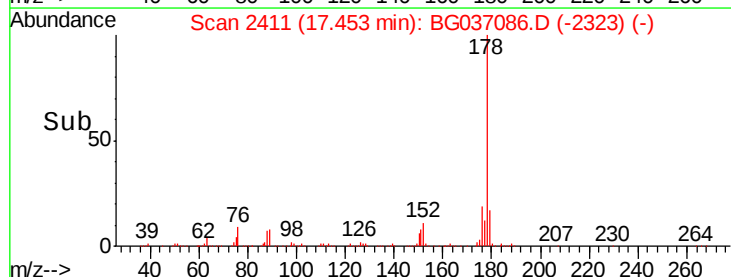


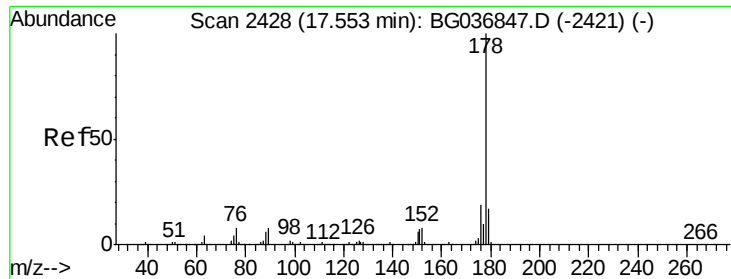
#70
 Phenanthrene
 Concen: 47.972 ng
 RT: 17.45 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:178 Resp: 686596
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 16.7 13.4 20.2



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

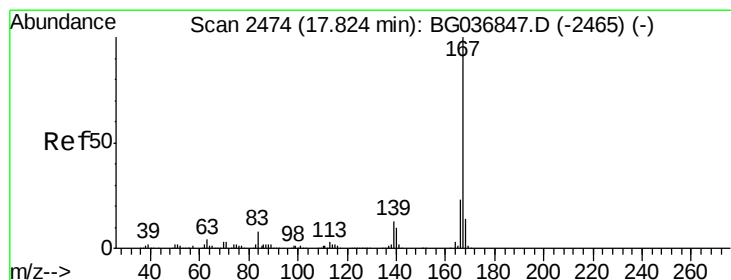
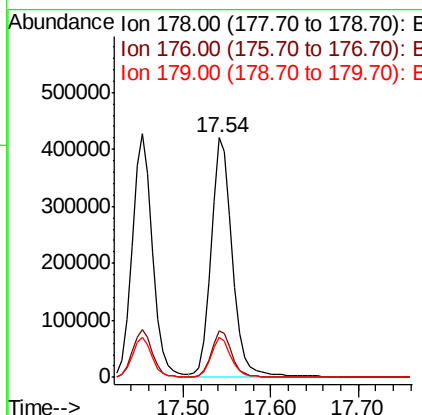
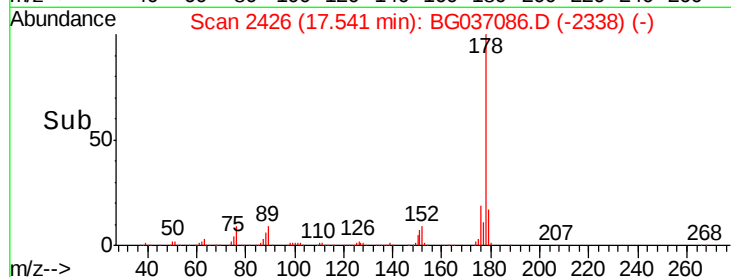
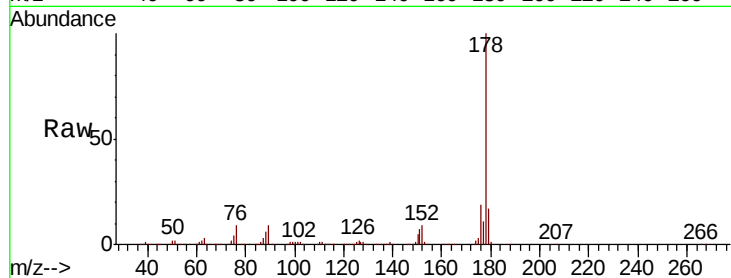




#71
 Anthracene
 Concen: 49.723 ng
 RT: 17.54 min Scan# 2426
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

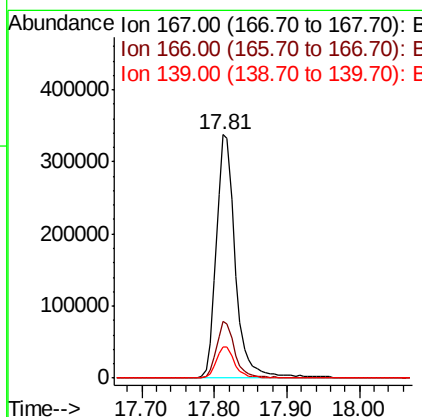
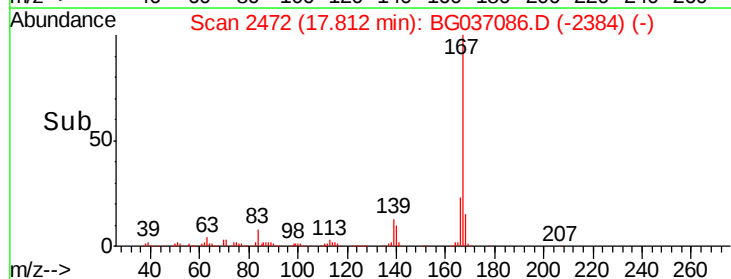
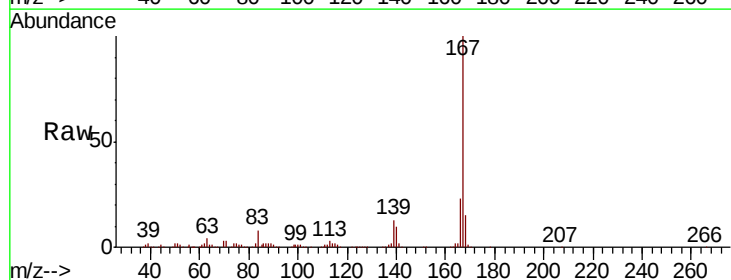
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

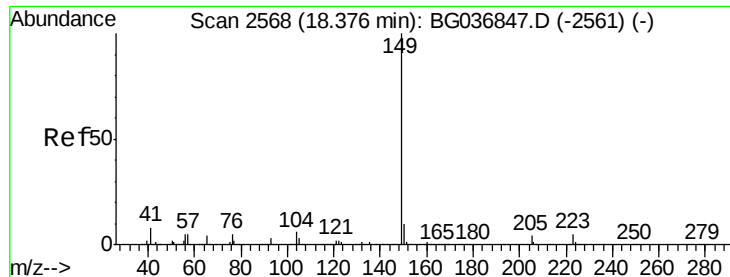
Tgt Ion:178 Resp: 703689
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 16.6 13.0 19.4



#72
 Carbazole
 Concen: 44.842 ng
 RT: 17.81 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:167 Resp: 618744
 Ion Ratio Lower Upper
 167 100
 166 23.3 19.5 29.3
 139 12.9 10.7 16.1

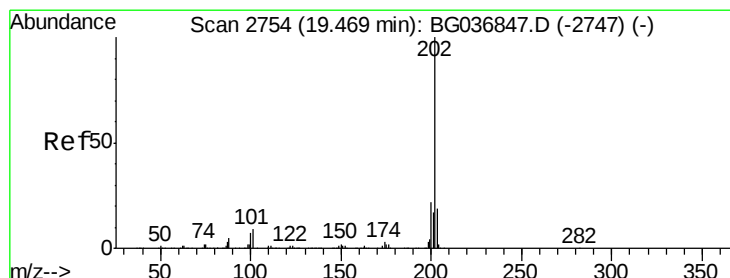
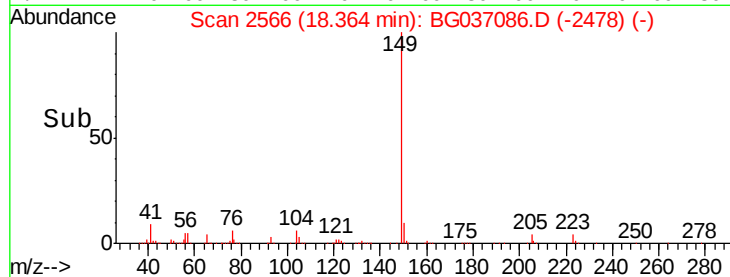
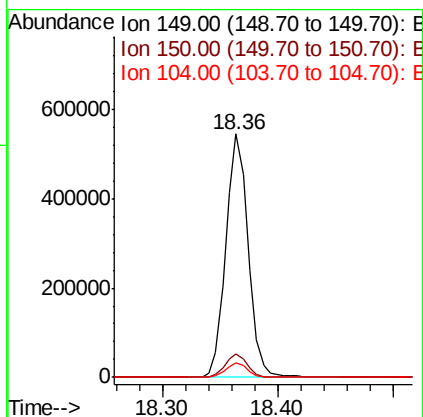
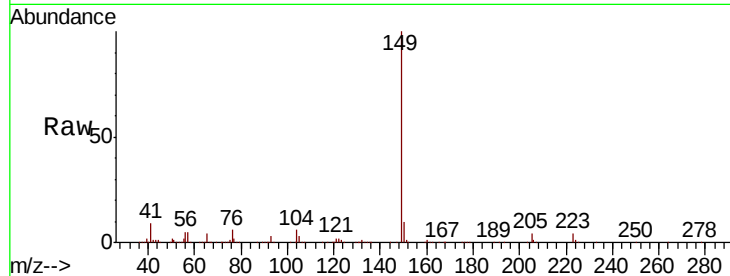




#73
Di-n-butylphthalate
Concen: 47.461 ng
RT: 18.36 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

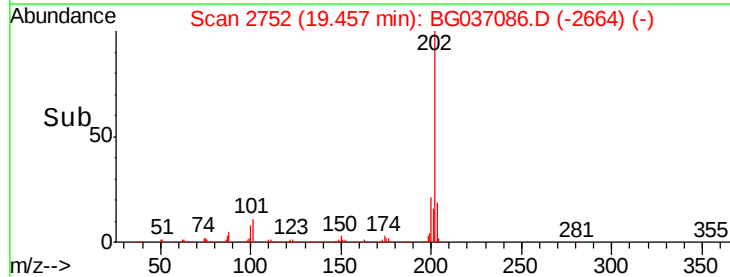
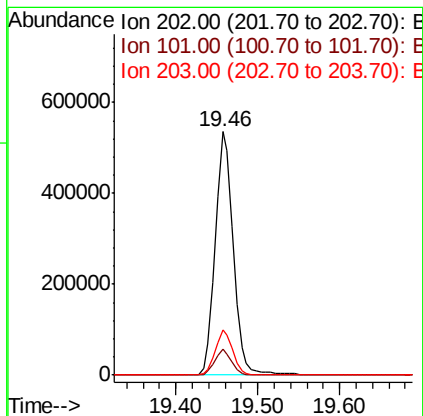
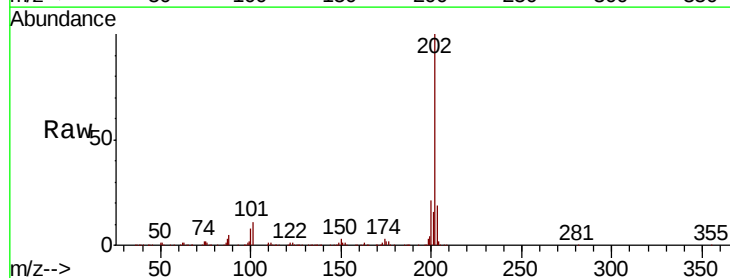
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

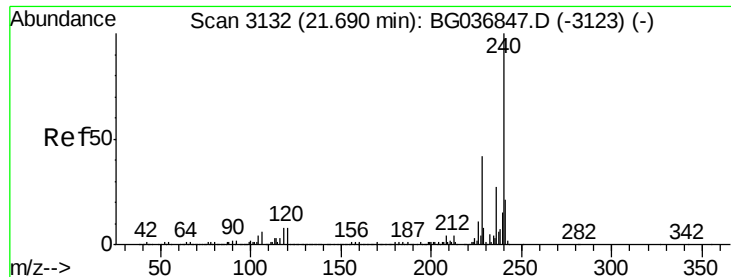
Tgt Ion:	149	Resp:	727280
Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.1	12.1
104	5.8	4.6	6.8



#74
Fluoranthene
Concen: 47.997 ng
RT: 19.46 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:	202	Resp:	826887
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	29.4
203	18.6	0.0	38.9





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

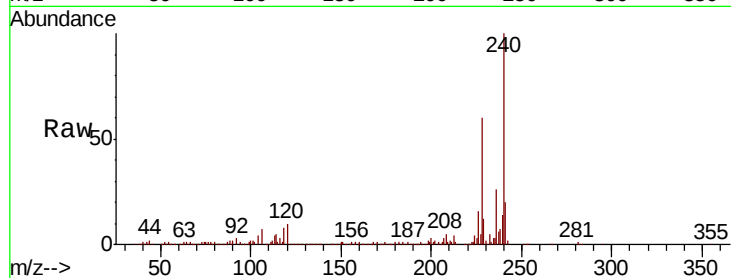
Tgt Ion:240 Resp: 300450

Ion Ratio Lower Upper

240 100

120 9.5 6.9 10.3

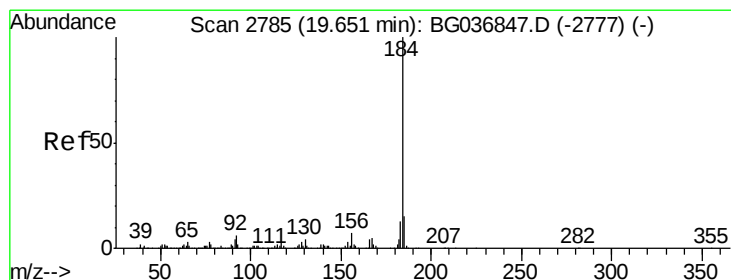
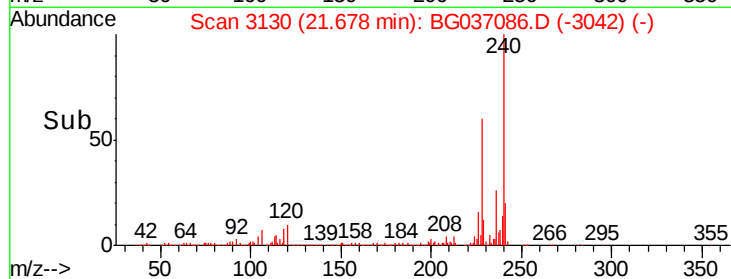
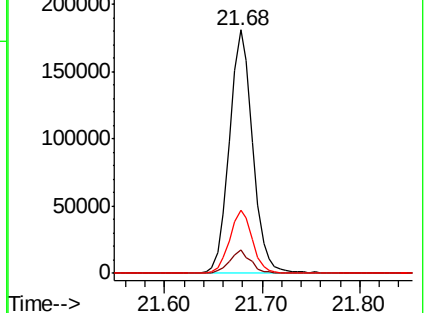
236 25.8 21.2 31.8



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: 13.240 ng

RT: 19.64 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

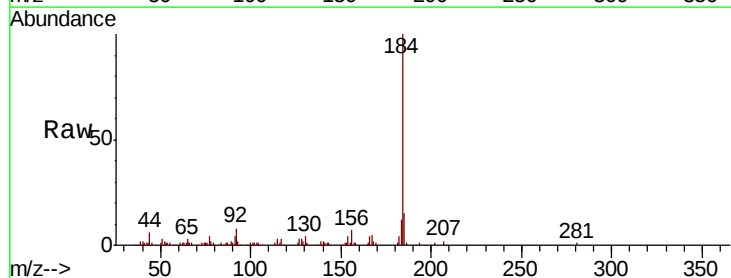
Tgt Ion:184 Resp: 120248

Ion Ratio Lower Upper

184 100

185 15.1 12.6 18.8

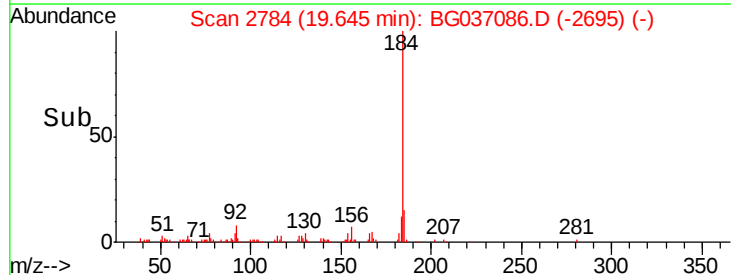
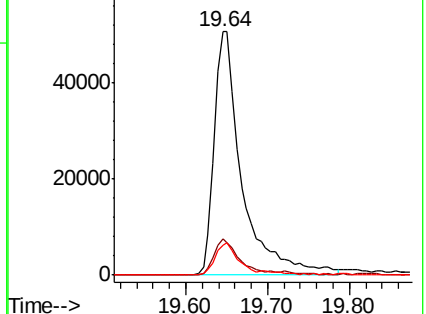
183 12.2 10.9 16.3

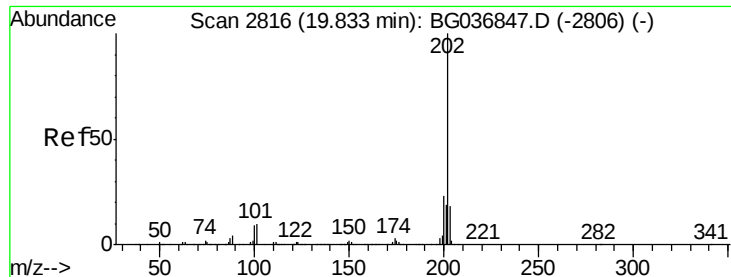


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

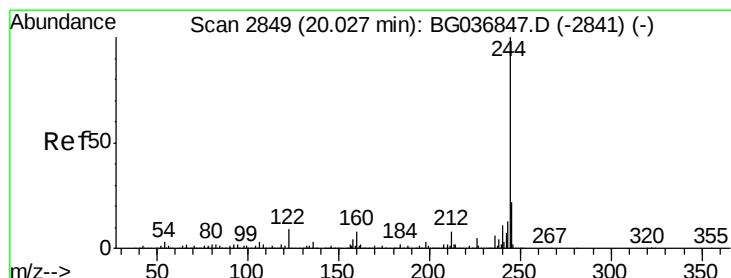
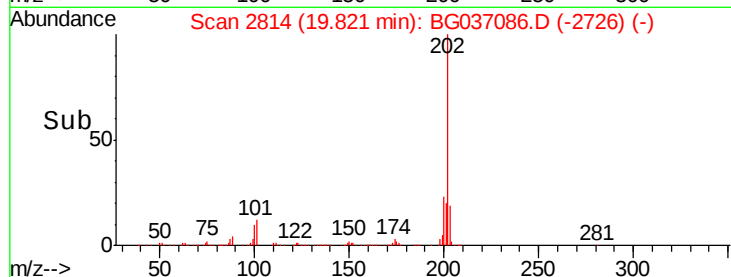
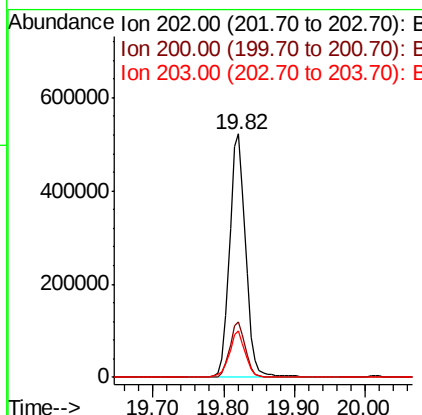
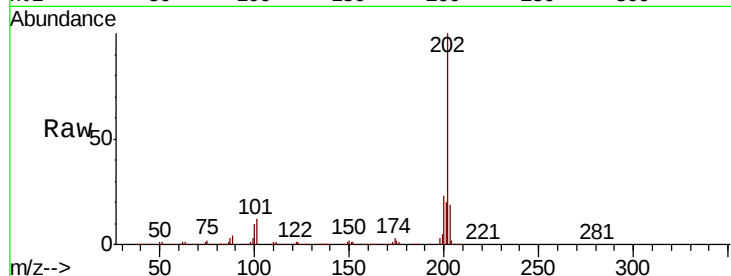




#77
 Pyrene
 Concen: 45.673 ng
 RT: 19.82 min Scan# 2814
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

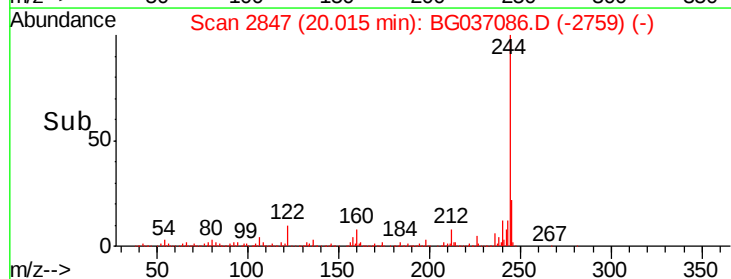
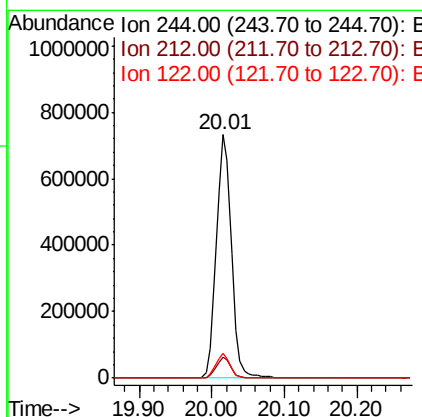
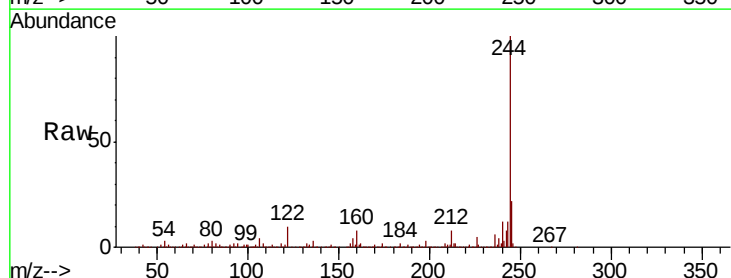
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

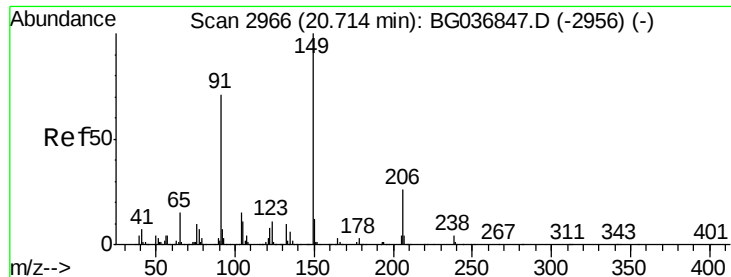
Tgt Ion:	202	Resp:	823459
Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.3	27.5
203	18.9	15.1	22.7



#78
 Terphenyl-d14
 Concen: 92.653 ng
 RT: 20.01 min Scan# 2847
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:	244	Resp:	1058665
Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	10.1	7.1	10.7

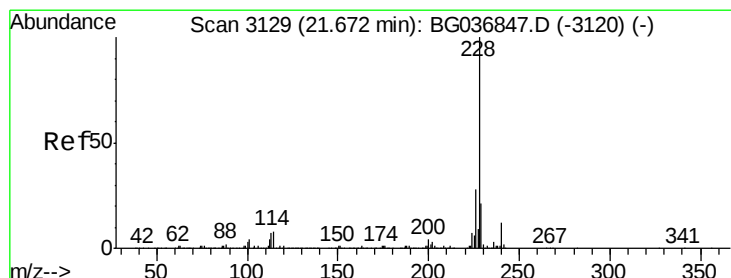
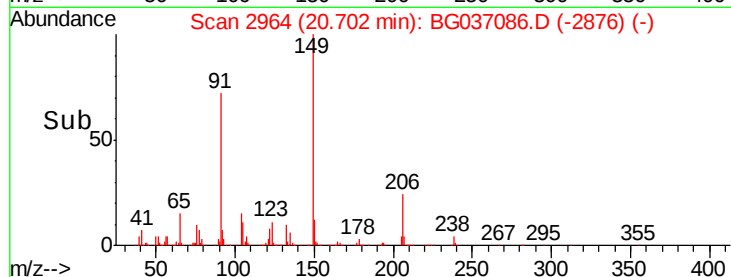
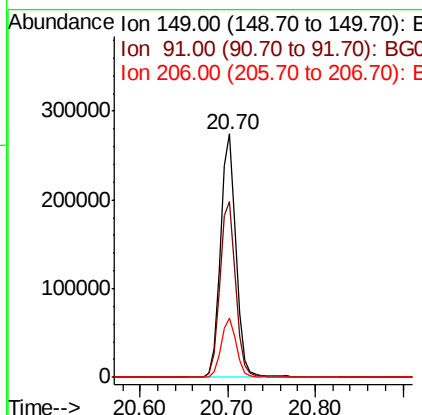
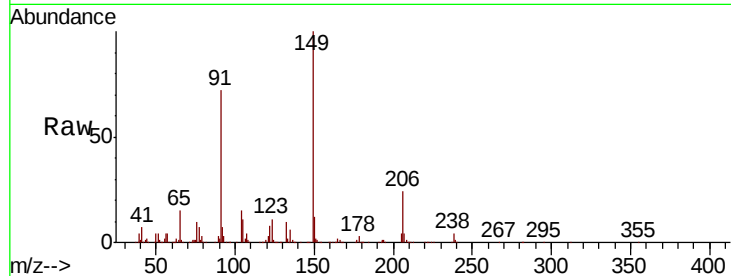




#79
Butylbenzylphthalate
Concen: 47.213 ng
RT: 20.70 min Scan# 2964
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

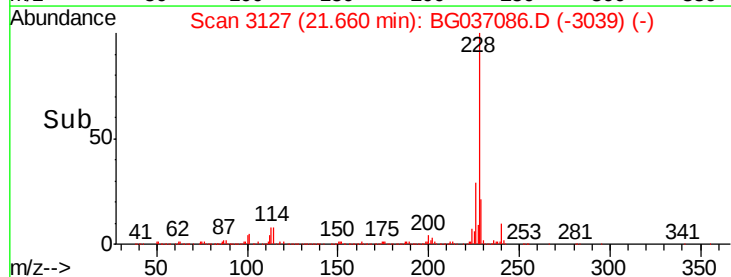
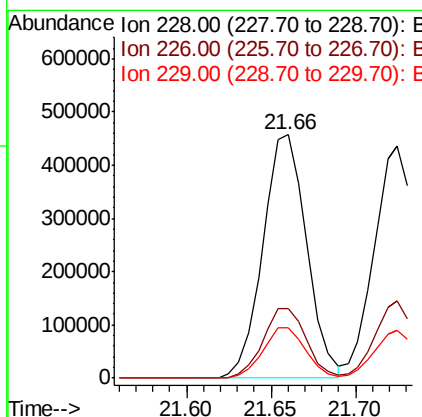
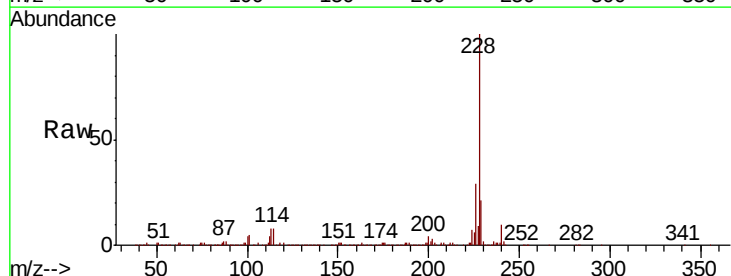
Instrument :
BNA_G
ClientSampleId :
HC-SOIL-1MS

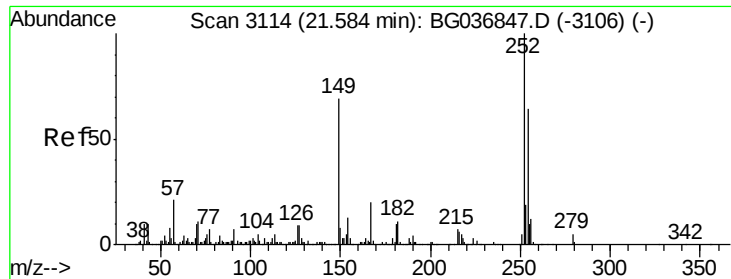
Tgt Ion:149 Resp: 339291
Ion Ratio Lower Upper
149 100
91 72.4 62.0 93.0
206 24.2 19.6 29.4



#80
Benzo(a)anthracene
Concen: 46.514 ng
RT: 21.66 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BG037086.D
Acq: 1 Oct 2018 21:33

Tgt Ion:228 Resp: 815801
Ion Ratio Lower Upper
228 100
226 28.6 23.4 35.2
229 20.7 17.1 25.7

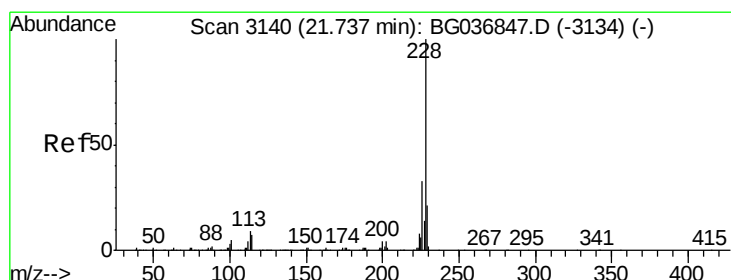
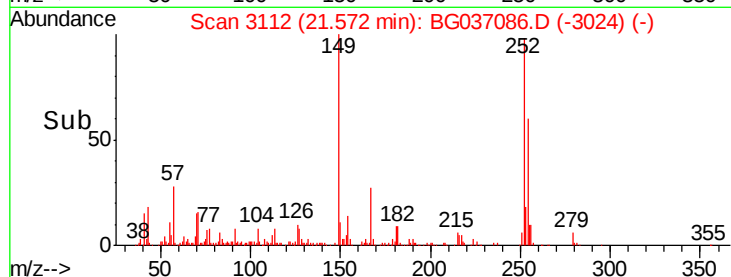
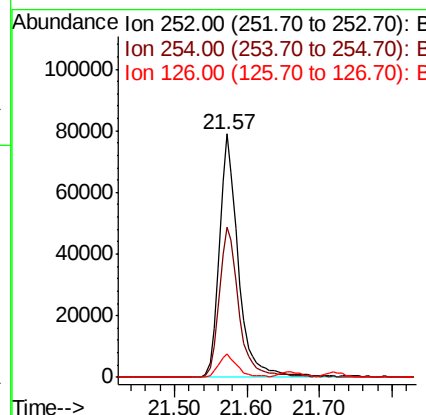
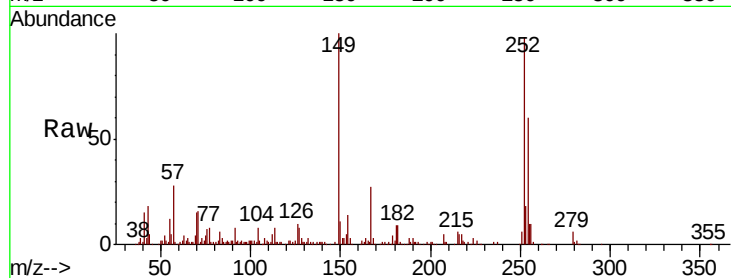




#81
 3,3'-Dichlorobenzidine
 Concen: 21.494 ng
 RT: 21.57 min Scan# 3112
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

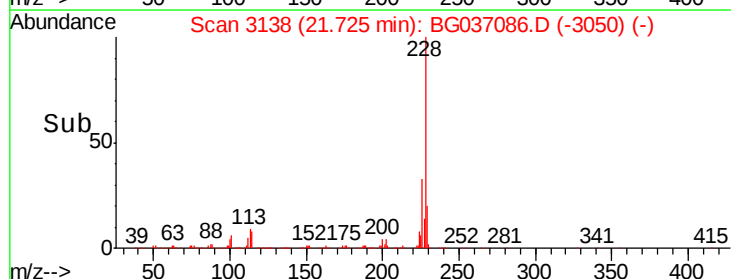
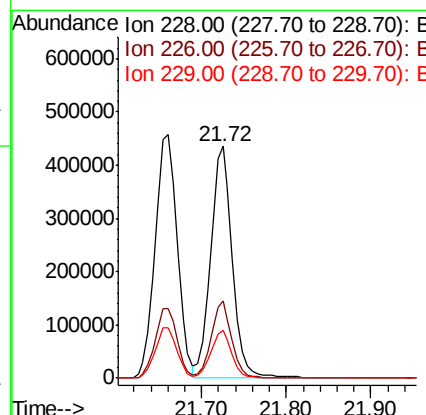
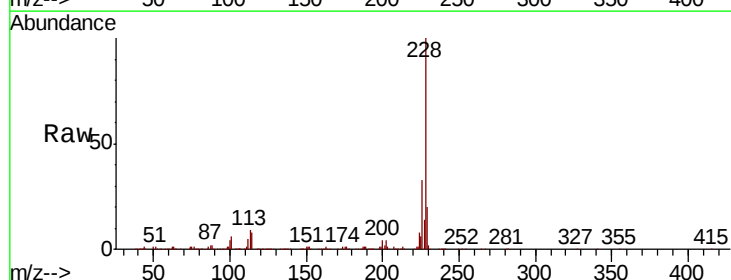
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

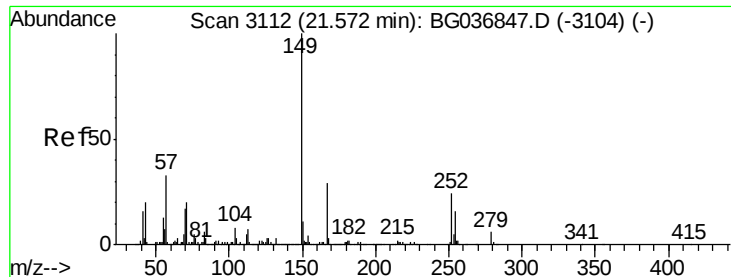
Tgt Ion:252 Resp: 143489
 Ion Ratio Lower Upper
 252 100
 254 61.5 51.0 76.4
 126 9.8 7.4 11.0



#82
 Chrysene
 Concen: 45.933 ng
 RT: 21.72 min Scan# 3138
 Delta R.T. -0.01 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:228 Resp: 778381
 Ion Ratio Lower Upper
 228 100
 226 33.4 25.5 38.3
 229 20.5 16.9 25.3

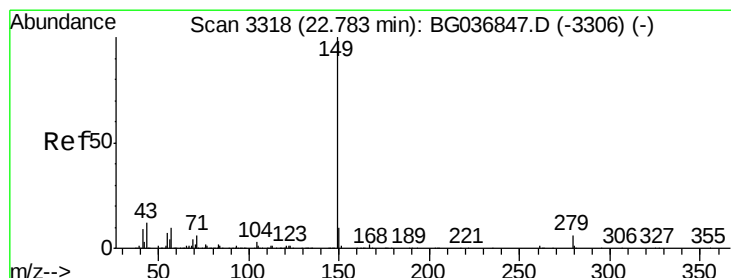
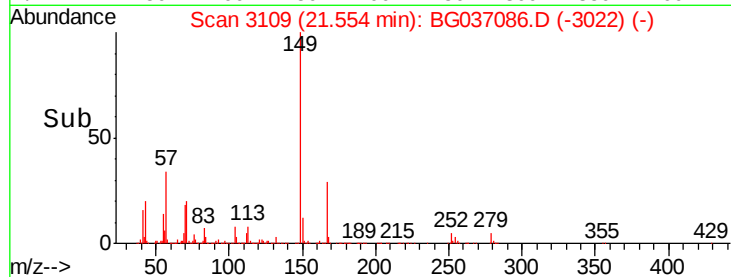
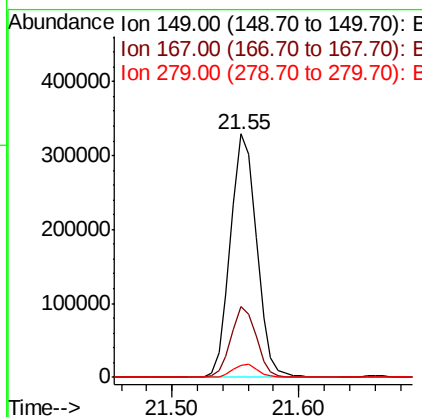
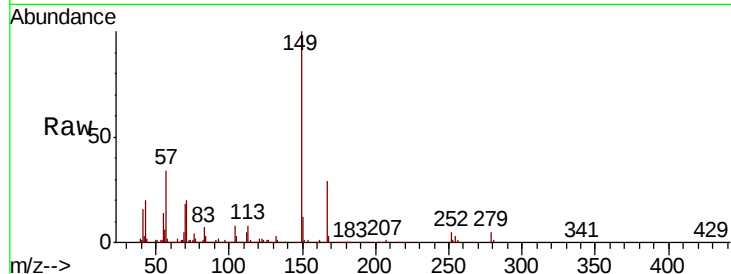




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.902 ng
 RT: 21.55 min Scan# 3109
 Delta R.T. -0.02 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

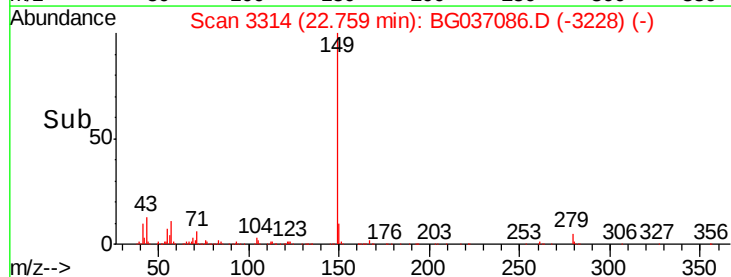
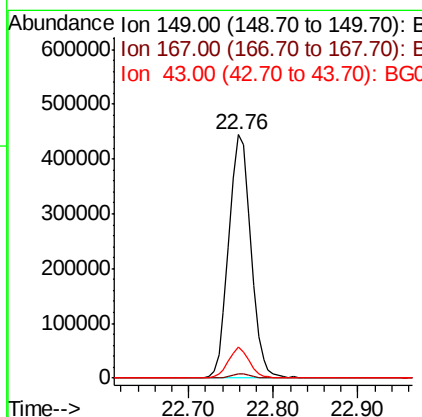
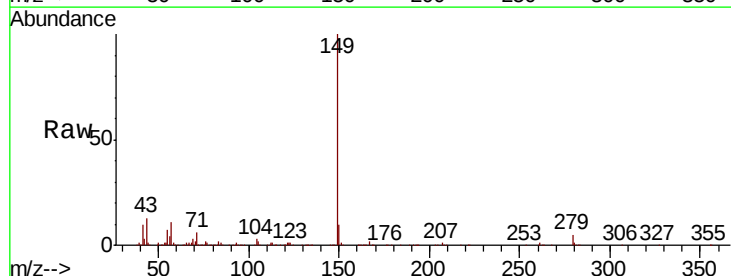
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

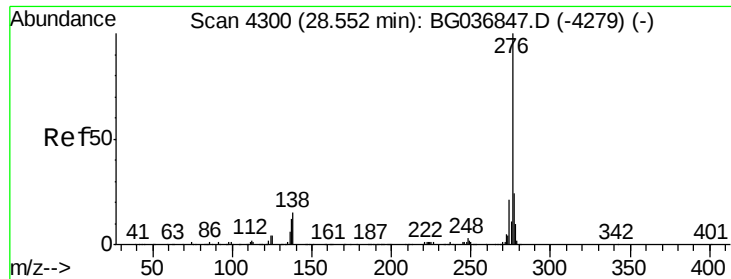
Tgt Ion:149 Resp: 470863
 Ion Ratio Lower Upper
 149 100
 167 28.9 23.4 35.0
 279 5.0 4.6 7.0



#84
 Di-n-octyl phthalate
 Concen: 48.575 ng
 RT: 22.76 min Scan# 3314
 Delta R.T. -0.02 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:149 Resp: 802914
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 12.0 10.0 15.0

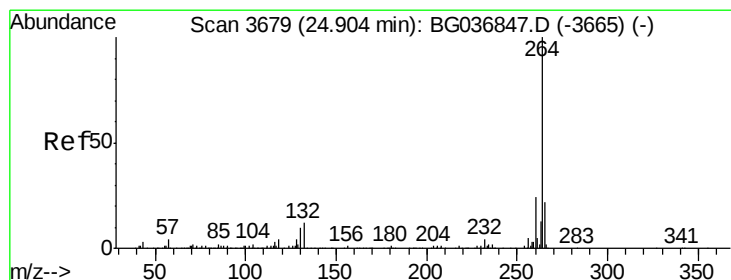
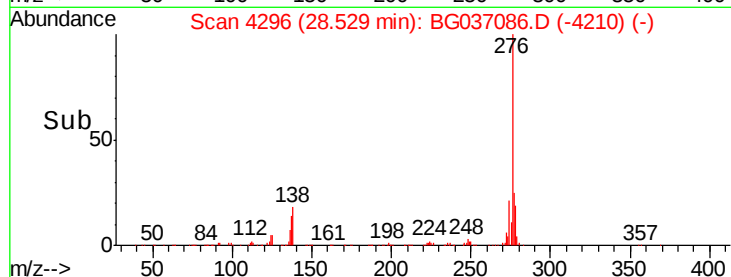
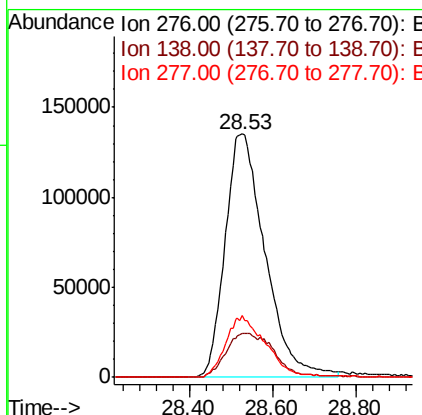
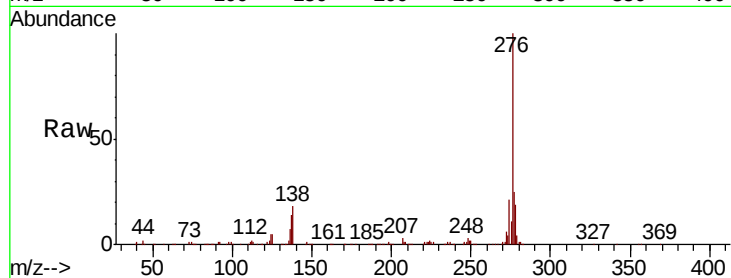




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.665 ng
 RT: 28.53 min Scan# 4296
 Delta R.T. -0.02 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

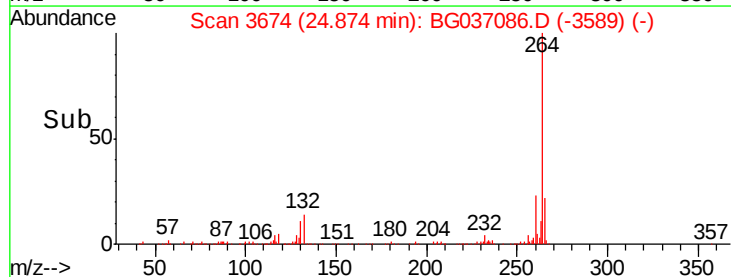
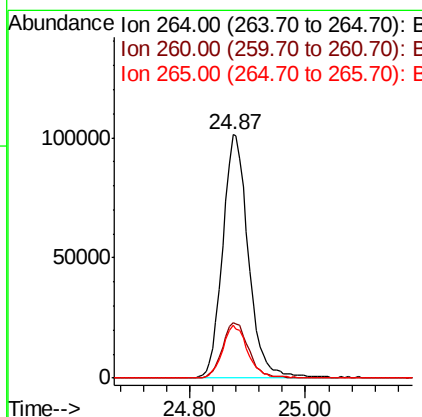
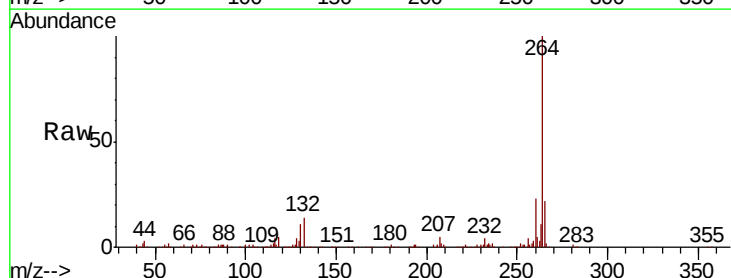
Instrument :
 BNA_G
 ClientSampleId :
 HC-SOIL-1MS

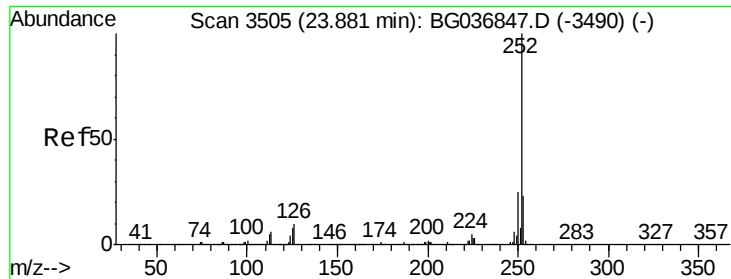
Tgt Ion:276 Resp: 903761
 Ion Ratio Lower Upper
 276 100
 138 13.5 10.6 15.8
 277 9.6 20.6 30.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.87 min Scan# 3674
 Delta R.T. -0.03 min
 Lab File: BG037086.D
 Acq: 1 Oct 2018 21:33

Tgt Ion:264 Resp: 313055
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.6 29.4
 265 21.9 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 48.883 ng

RT: 23.86 min Scan# 3502

Delta R.T. -0.02 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

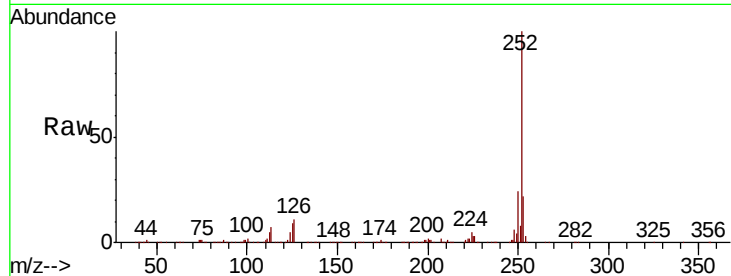
Tgt Ion:252 Resp: 815542

Ion Ratio Lower Upper

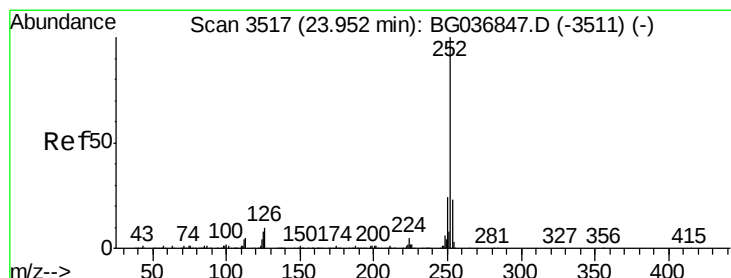
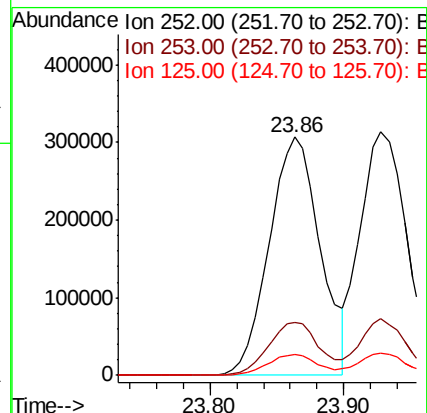
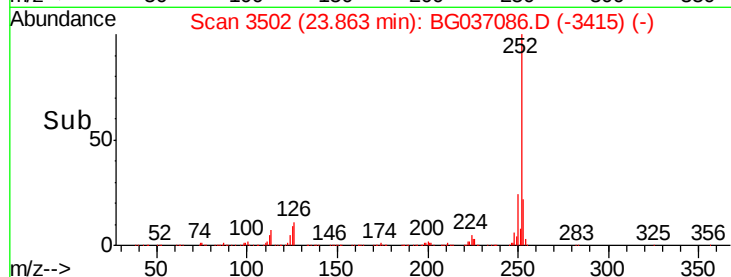
252 100

253 22.4 17.1 25.7

125 8.9 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 46.836 ng

RT: 23.93 min Scan# 3513

Delta R.T. -0.02 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

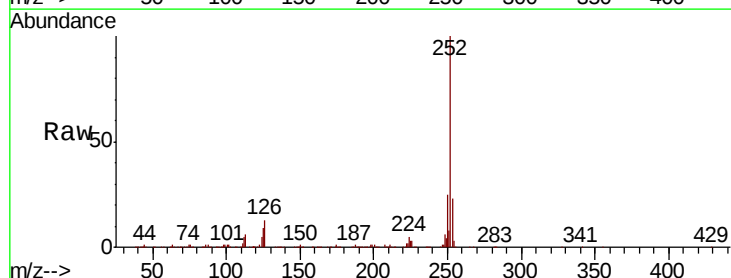
Tgt Ion:252 Resp: 783936

Ion Ratio Lower Upper

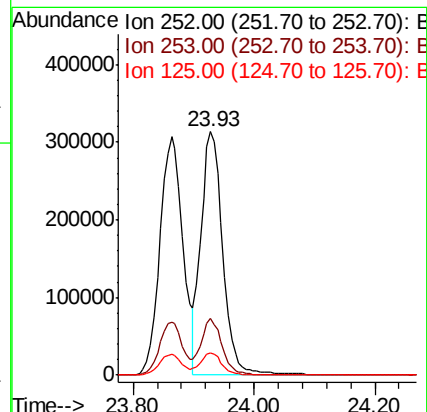
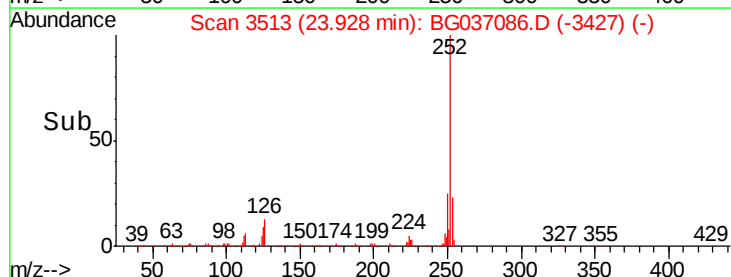
252 100

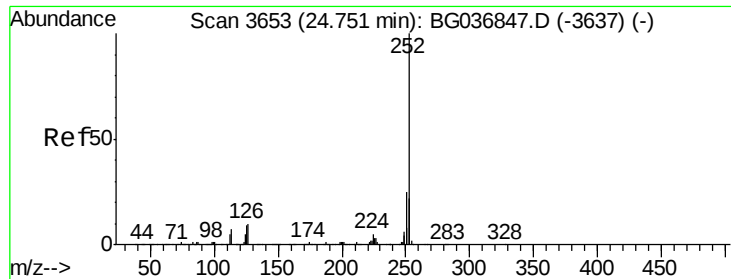
253 23.4 18.0 27.0

125 9.0 7.0 10.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 48.114 ng

RT: 24.73 min Scan# 3649

Delta R.T. -0.02 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

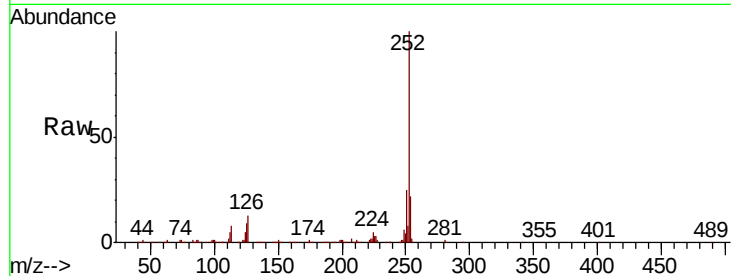
Tgt Ion:252 Resp: 776033

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

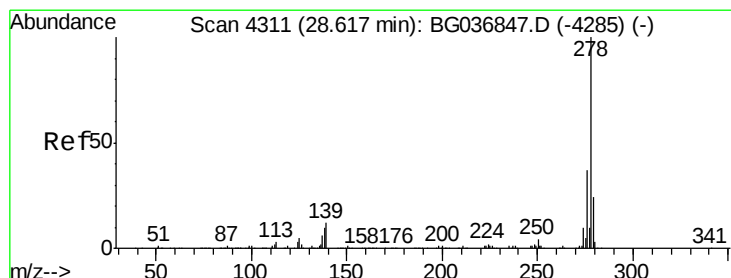
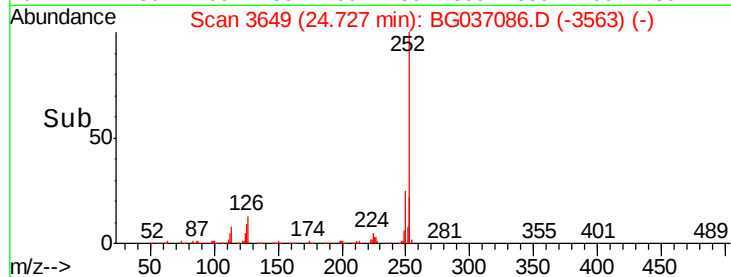
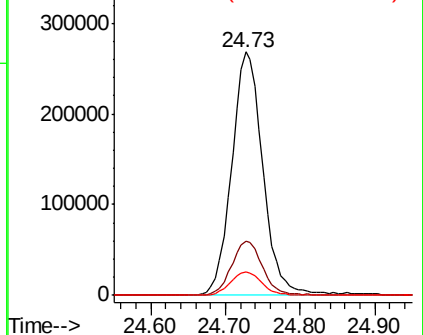
125 9.4 7.3 10.9



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: 48.252 ng

RT: 28.59 min Scan# 4306

Delta R.T. -0.03 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

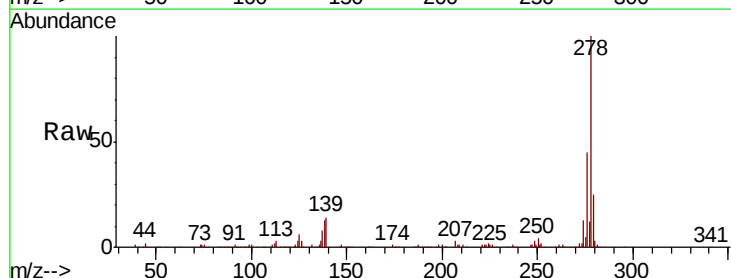
Tgt Ion:278 Resp: 729404

Ion Ratio Lower Upper

278 100

139 13.8 11.0 16.4

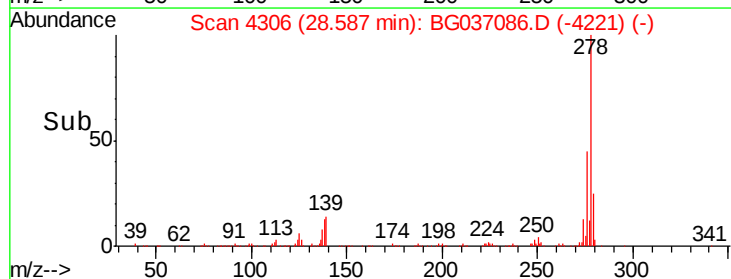
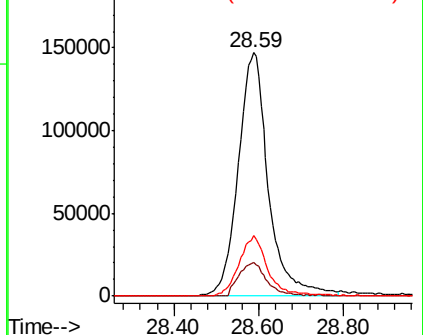
279 24.6 18.7 28.1

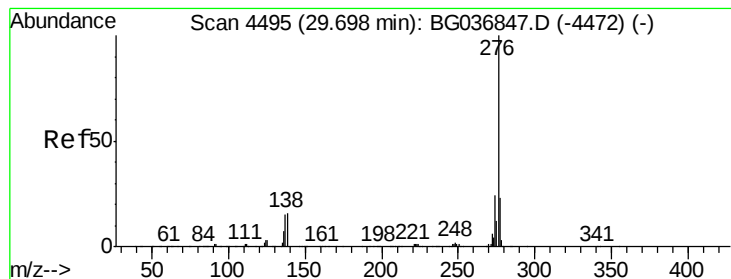


Abundance Ion 278.00 (277.70 to 278.70): E

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: 48.638 ng

RT: 29.66 min Scan# 4489

Delta R.T. -0.04 min

Lab File: BG037086.D

Acq: 1 Oct 2018 21:33

Instrument :

BNA_G

ClientSampleId :

HC-SOIL-1MS

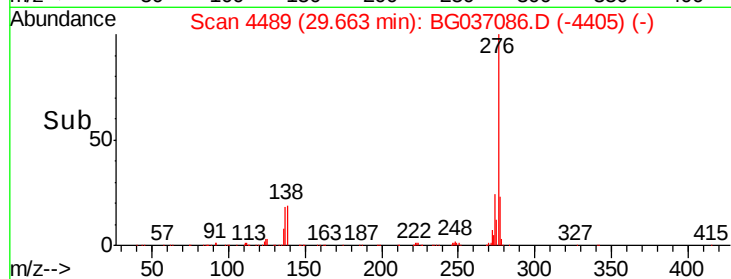
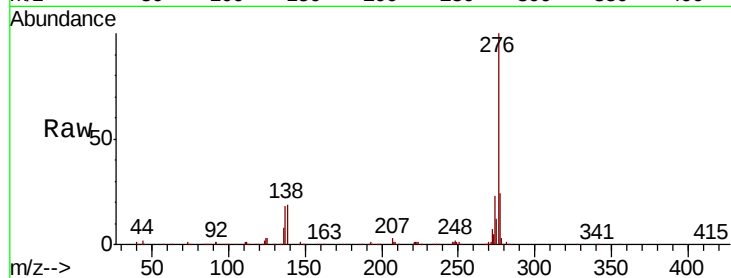
Tgt Ion: 276 Resp: 737889

Ion Ratio Lower Upper

276 100

277 23.5 18.4 27.6

138 18.9 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

