

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039474.D
 Acq On : 12 Feb 2019 21:52
 Operator : JU/SJ
 Sample : K1457-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Quant Time: Feb 13 00:36:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	47770	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	216816	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	150512	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	364153	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	361807	20.00	ng	-0.01
87) Perylene-d12	25.22	264	376720	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	444717	159.33	ng	0.00
7) Phenol-d6	7.32	99	610723	148.65	ng	0.00
23) Nitrobenzene-d5	9.35	82	424580	122.34	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	286753	176.93	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1000450	95.35	ng	-0.01
79) Terphenyl-d14	20.14	244	1566484	91.64	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	44491	36.441	ng	# 20
3) Pyridine	4.02	79	111416	34.468	ng	96
4) n-Nitrosodimethylamine	3.93	42	74275	45.945	ng	91
6) Aniline	7.50	93	85708	16.655	ng	97
8) 2-Chlorophenol	7.73	128	164359	53.872	ng	95
9) Benzaldehyde	7.31	77	62512	27.858	ng	93
10) Phenol	7.34	94	197835	46.194	ng	96
11) bis(2-Chloroethyl)ether	7.59	93	158285	46.773	ng	99
12) 1,3-Dichlorobenzene	8.06	146	159537	43.165	ng	96
13) 1,4-Dichlorobenzene	8.21	146	167279	45.409	ng	98
14) 1,2-Dichlorobenzene	8.53	146	157936	44.286	ng	97
15) Benzyl Alcohol	8.41	79	165380	51.273	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.70	45	307439	40.229	ng	98
17) 2-Methylphenol	8.61	107	145916	52.649	ng	97
18) Hexachloroethane	9.26	117	57833	45.631	ng	94
19) n-Nitroso-di-n-propylamine	8.98	70	137050	46.999	ng	93
20) 3+4-Methylphenols	8.93	107	202127	52.962	ng	98
22) Acetophenone	9.00	105	258693	44.418	ng	# 94
24) Nitrobenzene	9.39	77	199251	53.142	ng	99
25) Isophorone	9.91	82	390350	50.755	ng	99
26) 2-Nitrophenol	10.10	139	97721	61.102	ng	99
27) 2,4-Dimethylphenol	10.14	122	177641	57.098	ng	96
28) bis(2-Chloroethoxy)methane	10.39	93	228225	48.178	ng	95
29) 2,4-Dichlorophenol	10.63	162	190420	56.001	ng	94
30) 1,2,4-Trichlorobenzene	10.85	180	180848	47.373	ng	99
31) Naphthalene	11.05	128	543562	50.535	ng	100
32) Benzoic acid	10.27	122	107765	51.977	ng	97
33) 4-Chloroaniline	11.15	127	14207	2.849	ng	# 92
34) Hexachlorobutadiene	11.31	225	111894	44.074	ng	95
35) Caprolactam	11.94	113	34079	24.220	ng	95
36) 4-Chloro-3-methylphenol	12.25	107	209892	53.375	ng	98
37) 2-Methylnaphthalene	12.64	142	413553	51.911	ng	97
38) 1-Methylnaphthalene	12.86	142	396130	51.584	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.99	216	225267	47.040	ng	99

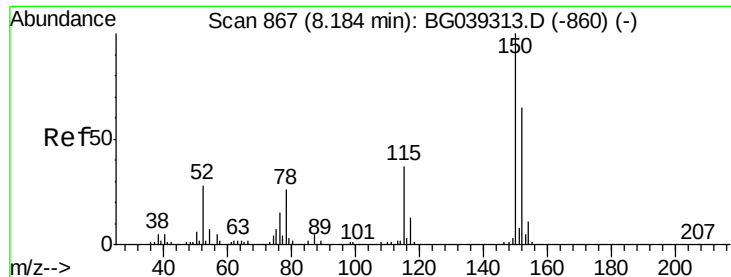
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.96	237	267597	102.546	ng	99
43) 2,4,6-Trichlorophenol	13.23	196	160208	54.410	ng	99
44) 2,4,5-Trichlorophenol	13.30	196	173546	56.236	ng	98
46) 1,1'-Biphenyl	13.63	154	558567	44.603	ng	100
47) 2-Chloronaphthalene	13.68	162	431427	45.795	ng	99
48) 2-Nitroaniline	13.89	65	151126	54.488	ng	97
49) Acenaphthylene	14.53	152	699513	49.209	ng	99
50) Dimethylphthalate	14.24	163	575242	47.322	ng	99
51) 2,6-Dinitrotoluene	14.37	165	130138	56.013	ng	96
52) Acenaphthene	14.86	154	426586	46.231	ng	98
53) 3-Nitroaniline	14.70	138	37306	19.174	ng	# 88
54) 2,4-Dinitrophenol	14.91	184	132070	110.685	ng	99
55) Dibenzofuran	15.20	168	689175	46.583	ng	98
56) 4-Nitrophenol	15.00	139	203813	91.809	ng	93
57) 2,4-Dinitrotoluene	15.16	165	182571	60.333	ng	# 91
58) Fluorene	15.84	166	550638	49.928	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.41	232	175782	60.835	ng	96
60) Diethylphthalate	15.60	149	580520	46.189	ng	97
61) 4-Chlorophenyl-phenylether	15.82	204	287683	46.068	ng	98
62) 4-Nitroaniline	15.87	138	129801	50.665	ng	96
63) Azobenzene	16.12	77	525372	42.768	ng	97
65) 4,6-Dinitro-2-methylphenol	15.91	198	100498	62.563	ng	96
66) n-Nitrosodiphenylamine	16.05	169	507881	45.868	ng	98
67) 4-Bromophenyl-phenylether	16.72	248	191207	47.330	ng	96
68) Hexachlorobenzene	16.84	284	199295	49.170	ng	93
69) Atrazine	16.99	200	187956	46.450	ng	99
70) Pentachlorophenol	17.18	266	257781	91.507	ng	98
71) Phenanthrene	17.59	178	914673	48.530	ng	98
72) Anthracene	17.68	178	920003	49.556	ng	98
73) Carbazole	17.95	167	806803	43.546	ng	99
74) Di-n-butylphthalate	18.48	149	973280	45.029	ng	99
75) Fluoranthene	19.58	202	1067879	48.815	ng	99
77) Benzidine	19.77	184	99939	8.425	ng	98
78) Pyrene	19.95	202	1071802	47.586	ng	98
80) Butylbenzylphthalate	20.82	149	461191	48.540	ng	95
81) Benzo(a)anthracene	21.81	228	1060446	49.602	ng	100
82) 3,3'-Dichlorobenzidine	21.72	252	169573	21.391	ng	98
83) Chrysene	21.88	228	990774	48.683	ng	99
84) Bis(2-ethylhexyl)phthalate	21.68	149	630448	46.511	ng	99
85) Di-n-octyl phthalate	22.95	149	1093868	48.847	ng	96
86) Indeno(1,2,3-cd)pyrene	29.11	276	1209363	55.386	ng	98
88) Benzo(b)fluoranthene	24.13	252	1054790	51.341	ng	100
89) Benzo(k)fluoranthene	24.21	252	989257	47.961	ng	99
90) Benzo(a)pyrene	25.06	252	1013002	51.198	ng	99
91) Dibenzo(a,h)anthracene	29.19	278	972930	52.507	ng	98
92) Benzo(g,h,i)perylene	30.34	276	992558	53.742	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

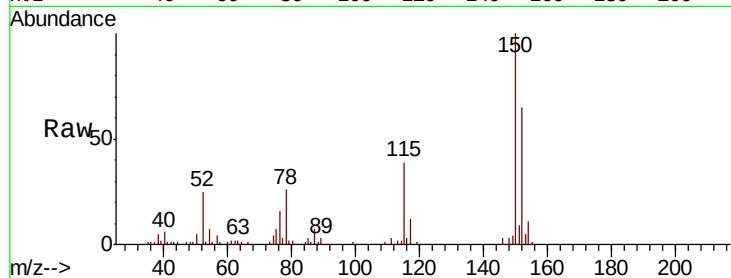
Tgt Ion:152 Resp: 47770

Ion Ratio Lower Upper

152 100

150 153.2 123.7 185.5

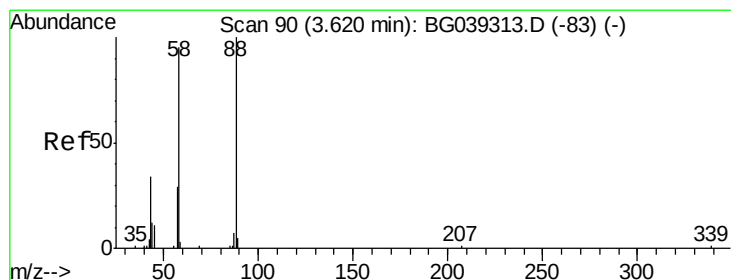
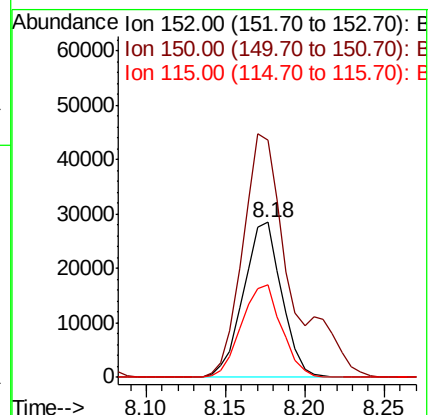
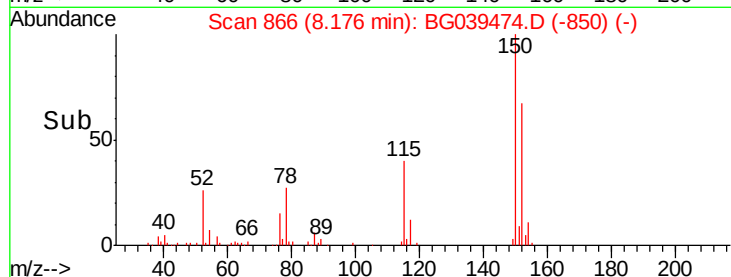
115 59.4 45.9 68.9



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: 36.441 ng

RT: 3.61 min Scan# 89

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

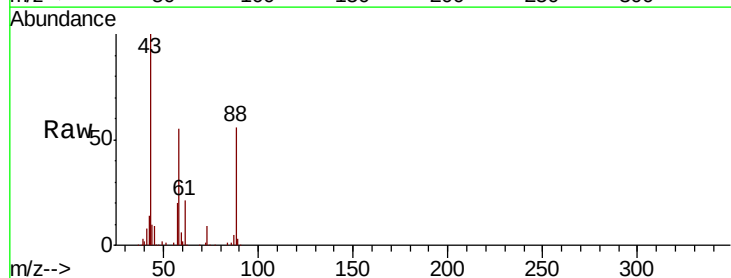
Tgt Ion: 88 Resp: 44491

Ion Ratio Lower Upper

88 100

58 97.5 81.1 121.7

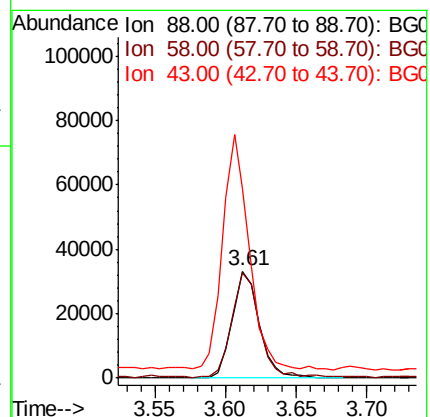
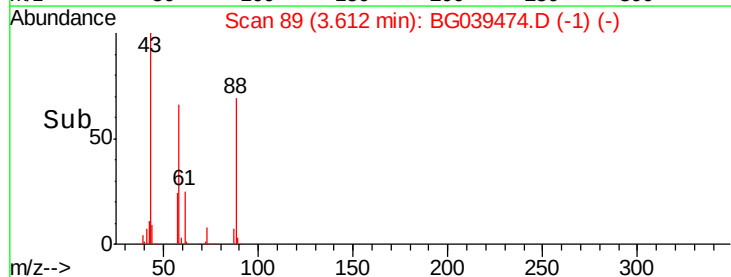
43 208.2 31.4 47.0#

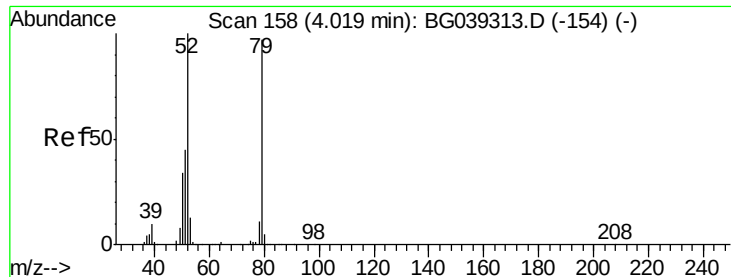


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 34.468 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

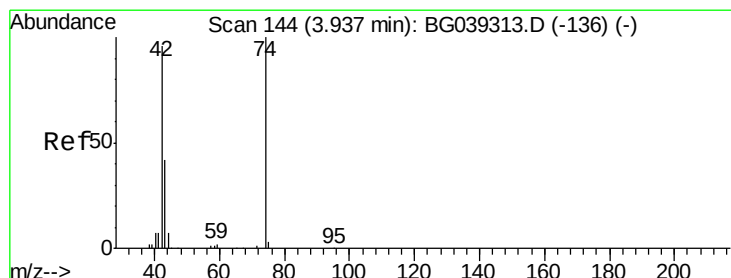
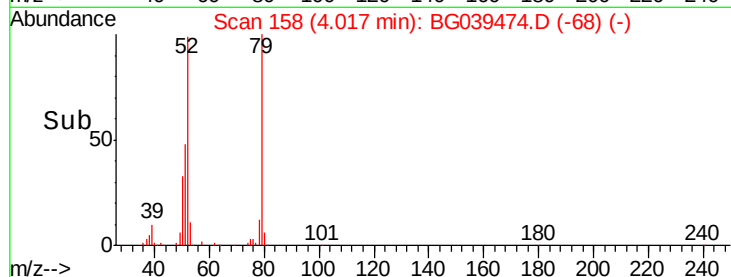
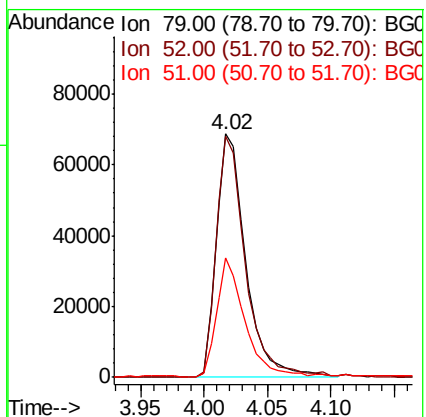
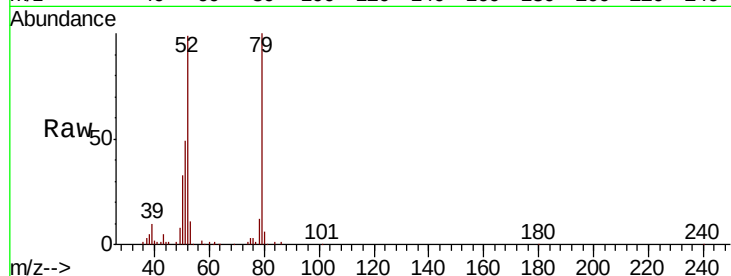
Tgt Ion: 79 Resp: 111416

Ion Ratio Lower Upper

79 100

52 99.2 82.6 124.0

51 49.0 37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 45.945 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

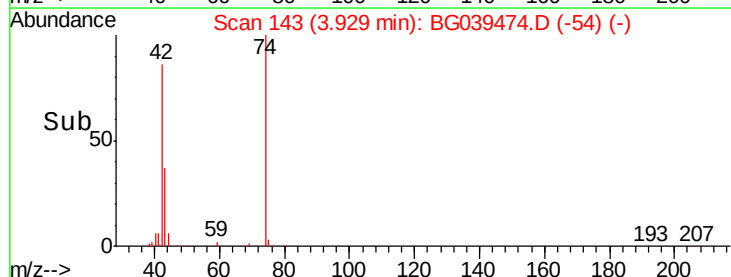
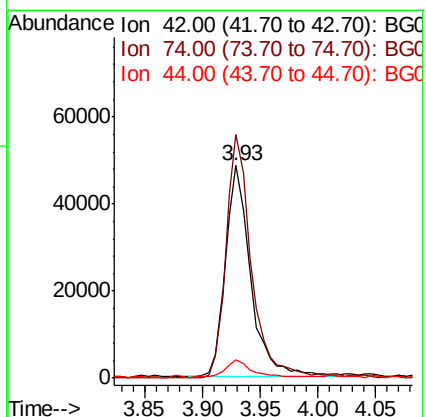
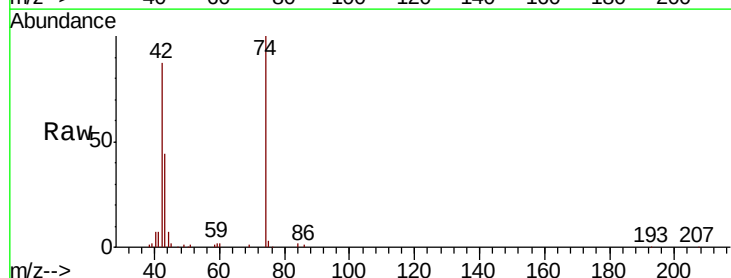
Tgt Ion: 42 Resp: 74275

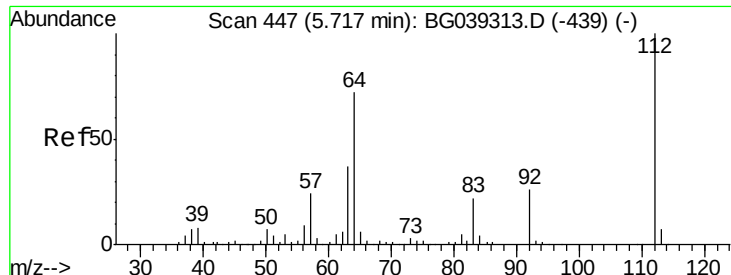
Ion Ratio Lower Upper

42 100

74 114.5 83.6 125.4

44 8.6 6.9 10.3





#5

2-Fluorophenol

Concen: 159.334 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

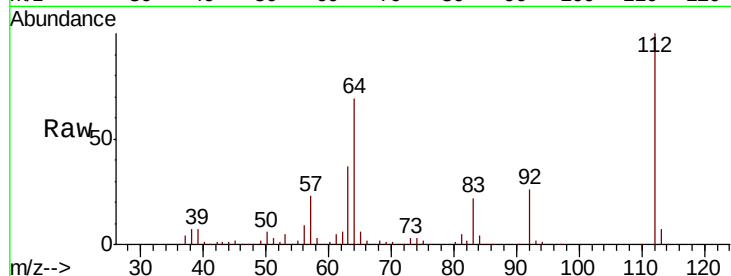
Instrument :

BNA_G

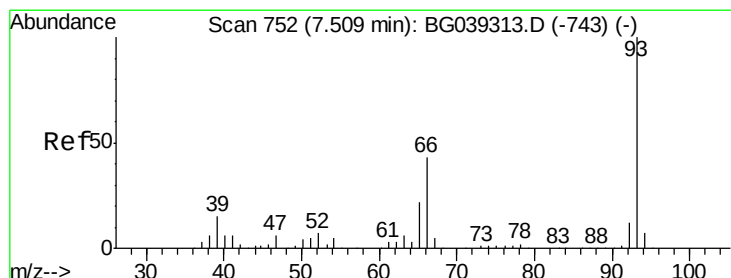
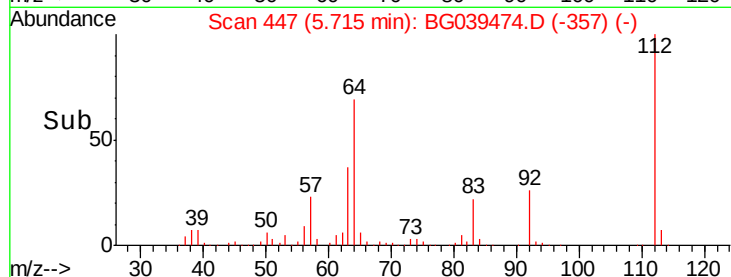
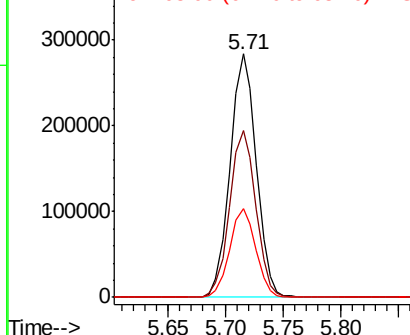
ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:	112	Resp:	444717
Ion	Ratio	Lower	Upper
112	100		
64	68.7	57.8	86.8
63	36.5	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 16.655 ng

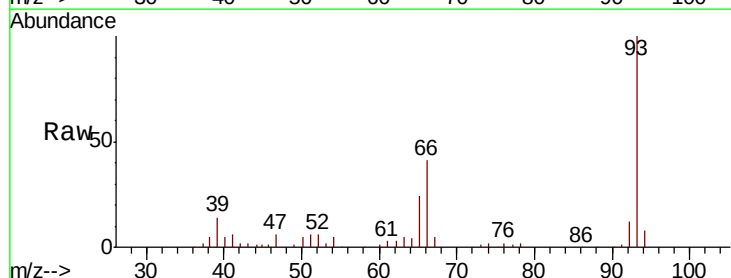
RT: 7.50 min Scan# 751

Delta R.T. -0.01 min

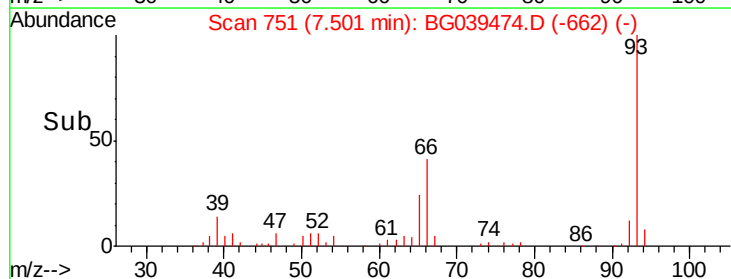
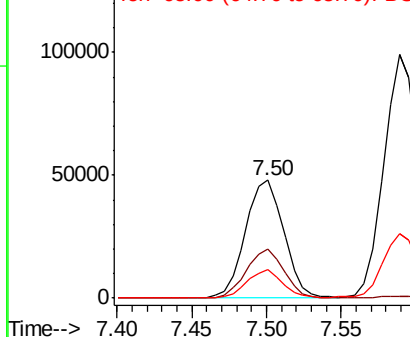
Lab File: BG039474.D

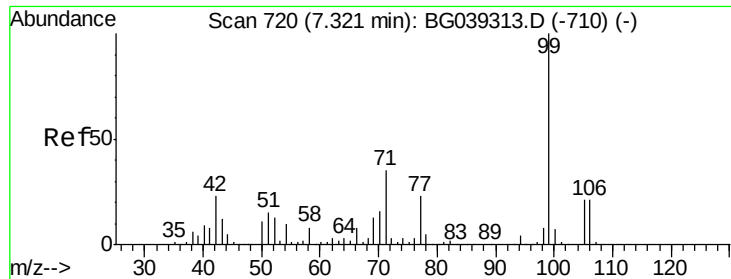
Acq: 12 Feb 2019 21:52

Tgt Ion:	93	Resp:	85708
Ion	Ratio	Lower	Upper
93	100		
66	41.2	34.2	51.4
65	24.3	17.7	26.5



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: 148.651 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

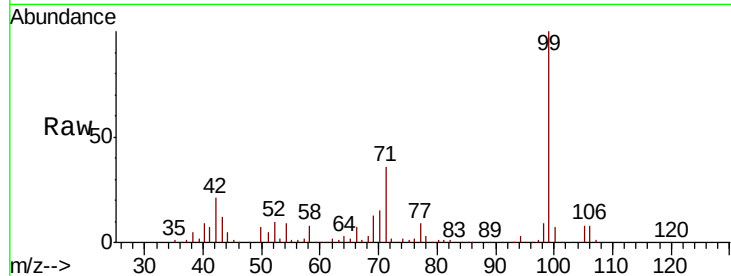
Tgt Ion: 99 Resp: 610723

Ion Ratio Lower Upper

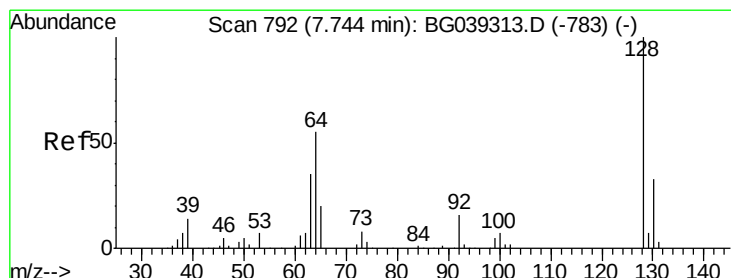
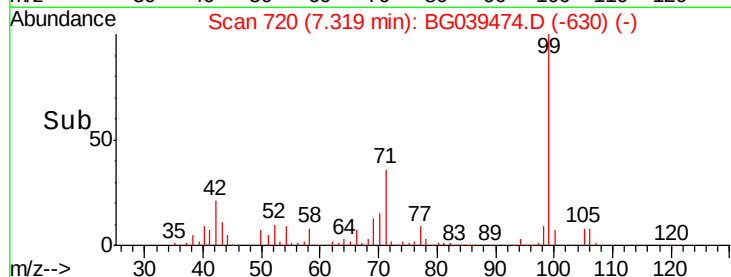
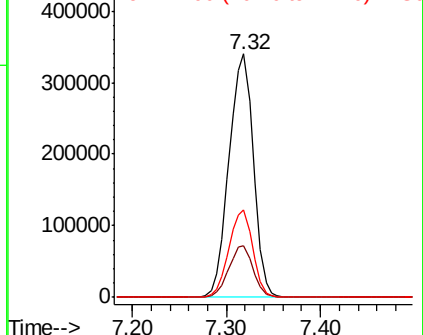
99 100

42 21.0 18.2 27.2

71 36.0 28.0 42.0



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: 53.872 ng

RT: 7.73 min Scan# 790

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

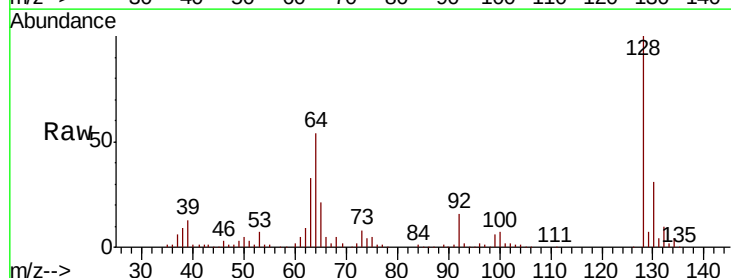
Tgt Ion: 128 Resp: 164359

Ion Ratio Lower Upper

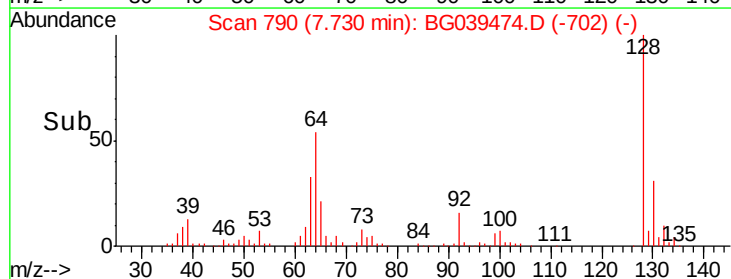
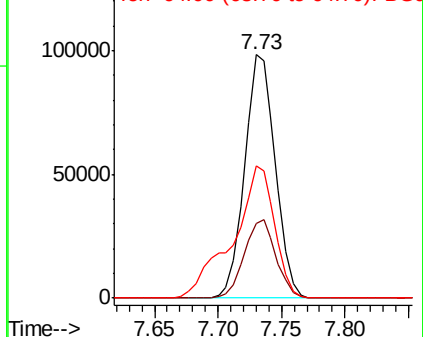
128 100

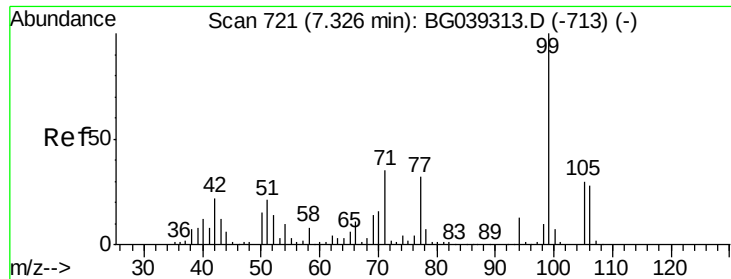
130 30.7 12.9 52.9

64 54.5 38.7 78.7



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





#9

Benzaldehyde

Concen: 27.858 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039474.D

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IDW-SOIL-01MS

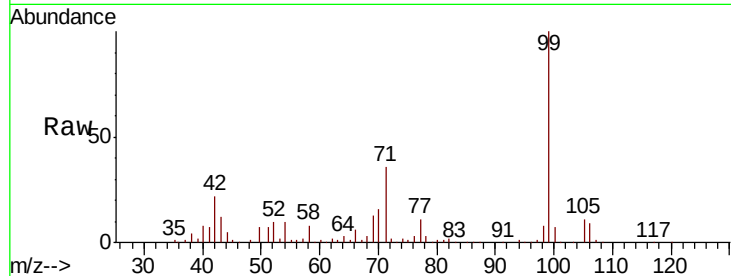
Tgt Ion: 77 Resp: 62512

Ion Ratio Lower Upper

77 100

105 101.7 74.5 114.5

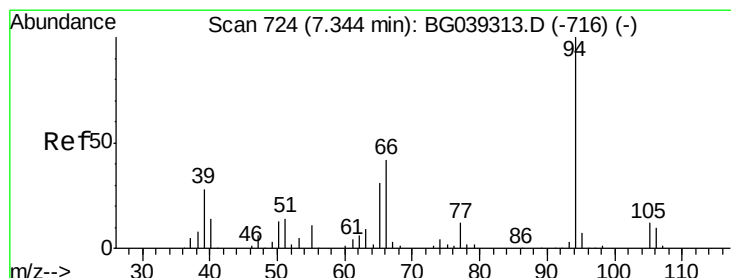
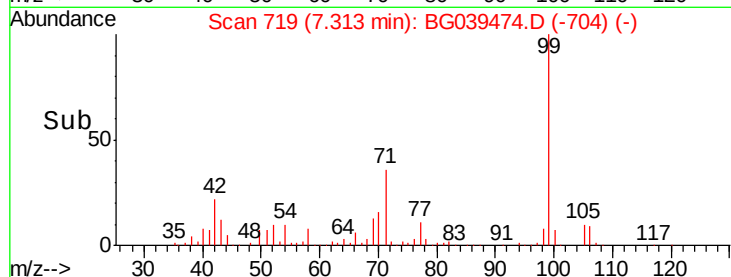
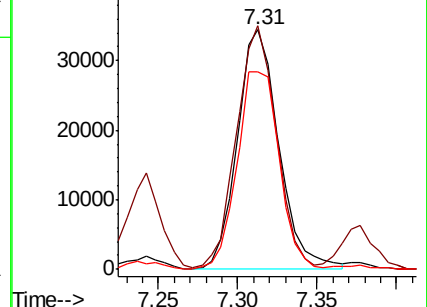
106 82.4 68.0 108.0



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: 46.194 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

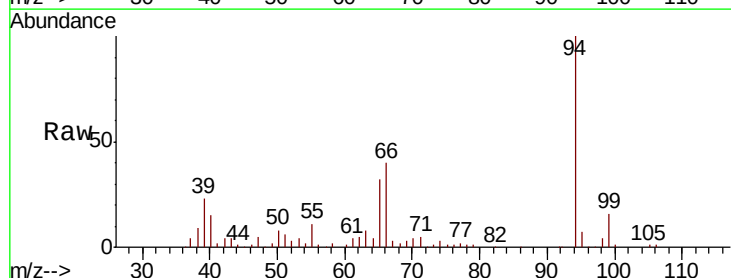
Tgt Ion: 94 Resp: 197835

Ion Ratio Lower Upper

94 100

65 31.6 11.7 51.7

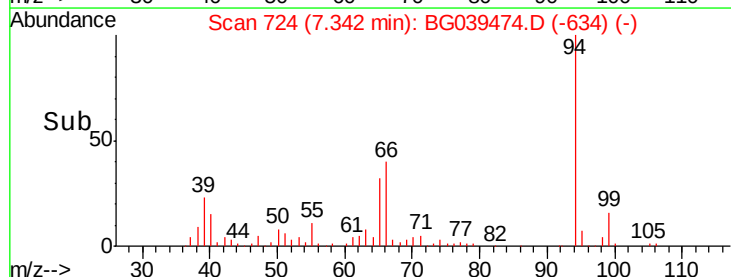
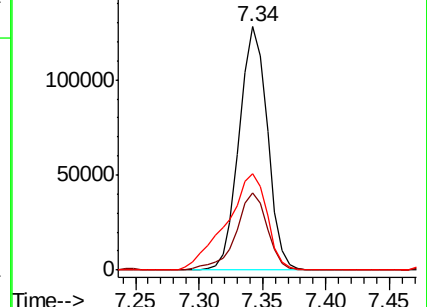
66 39.8 23.7 63.7

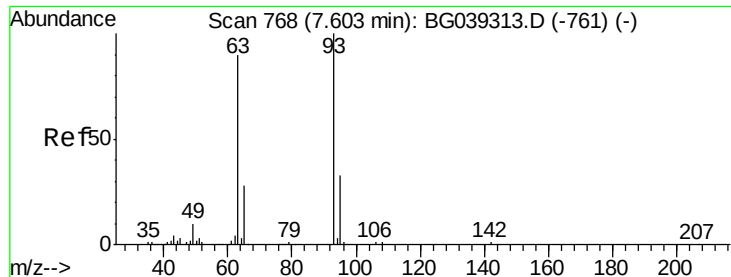


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

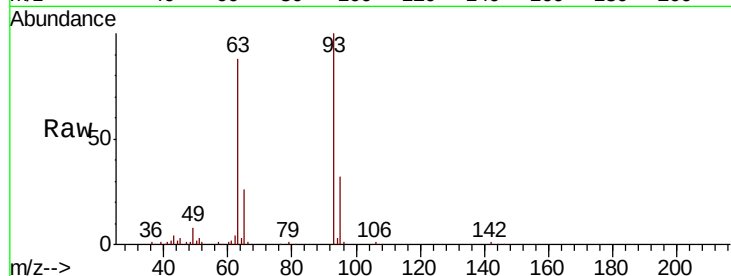




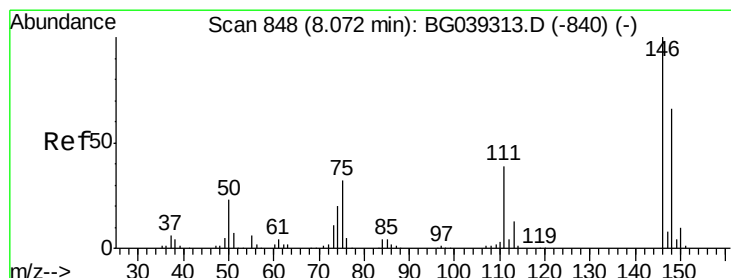
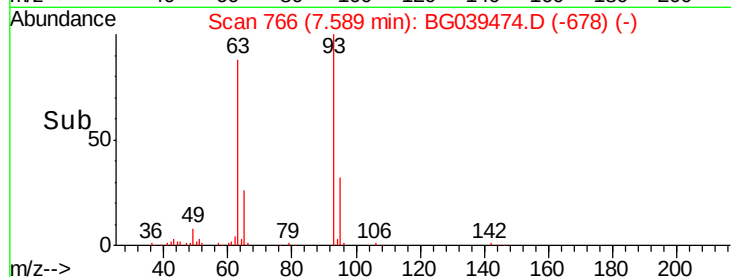
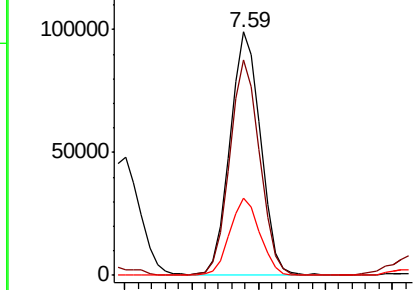
#11
bis(2-Chloroethyl)ether
Concen: 46.773 ng
RT: 7.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion: 93 Resp: 158285
Ion Ratio Lower Upper
93 100
63 88.3 69.5 109.5
95 31.7 12.7 52.7

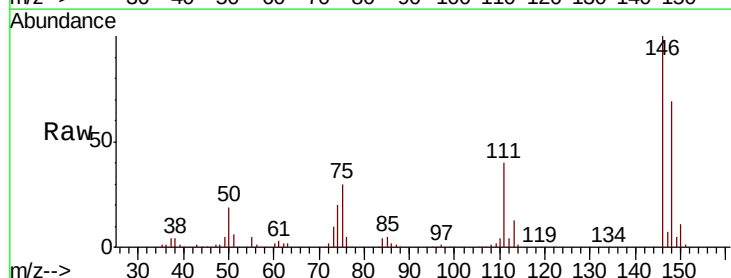


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

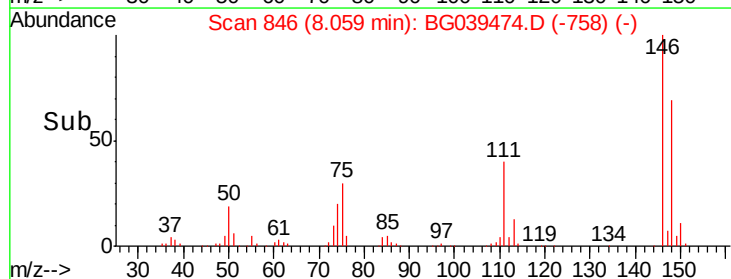
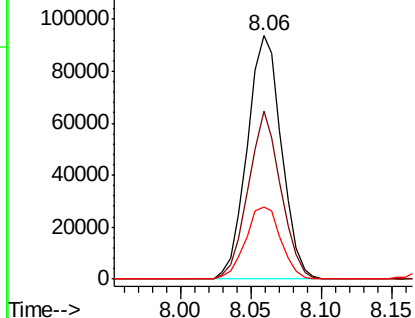


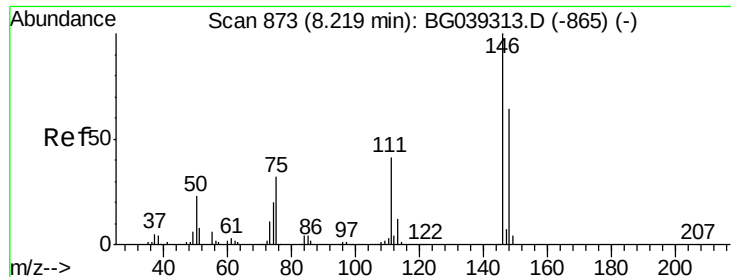
#12
1,3-Dichlorobenzene
Concen: 43.165 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion: 146 Resp: 159537
Ion Ratio Lower Upper
146 100
148 69.0 52.6 79.0
75 29.7 25.8 38.6



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

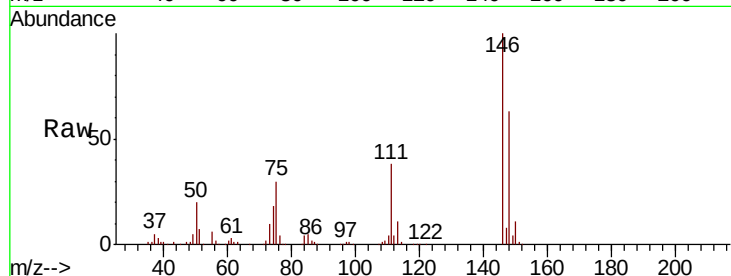




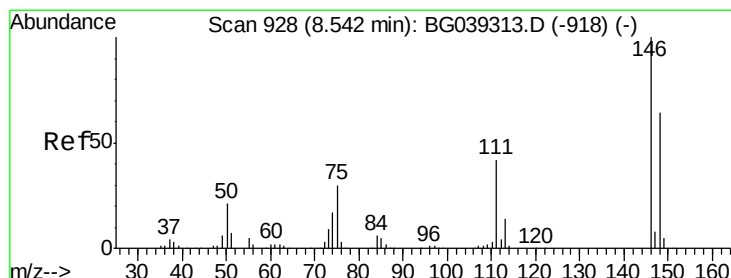
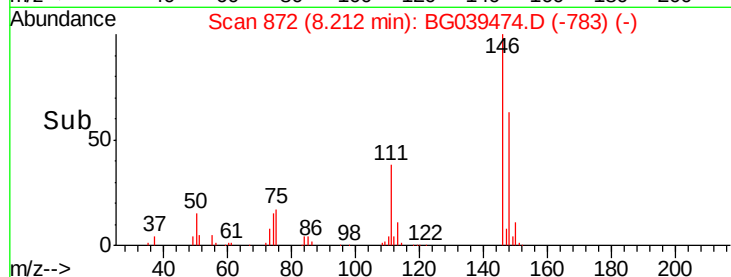
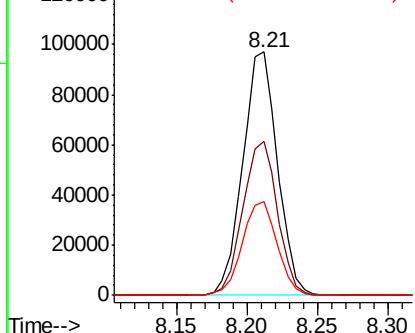
#13
 1,4-Dichlorobenzene
 Concen: 45.409 ng
 RT: 8.21 min Scan# 872
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion:146 Resp: 167279
 Ion Ratio Lower Upper
 146 100
 148 63.3 51.1 76.7
 111 38.5 32.6 48.8

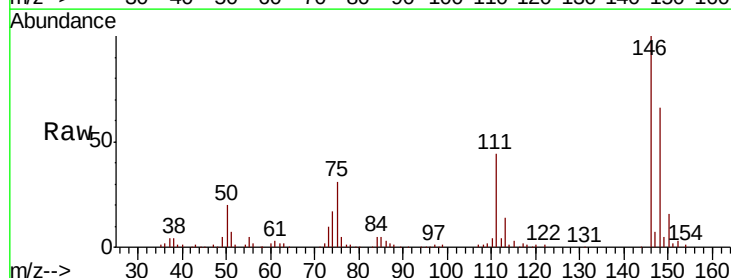


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

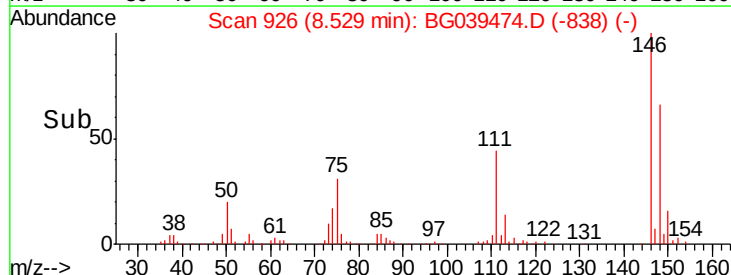
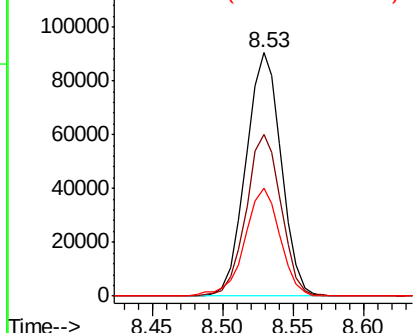


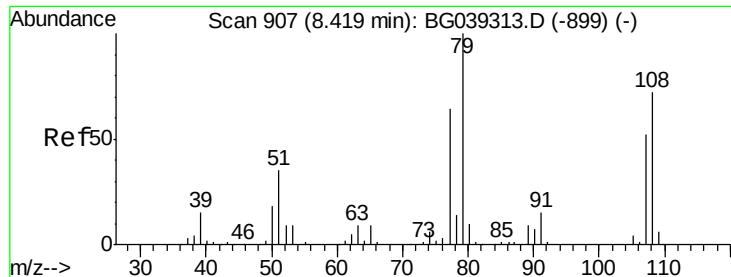
#14
 1,2-Dichlorobenzene
 Concen: 44.286 ng
 RT: 8.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:146 Resp: 157936
 Ion Ratio Lower Upper
 146 100
 148 66.4 51.5 77.3
 111 44.5 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





#15

Benzyl Alcohol

Concen: 51.273 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

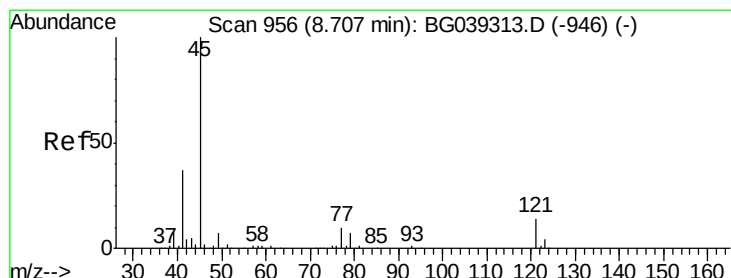
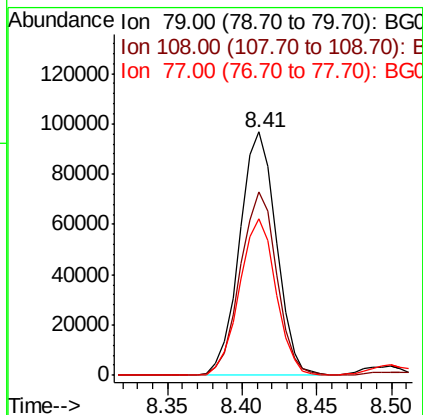
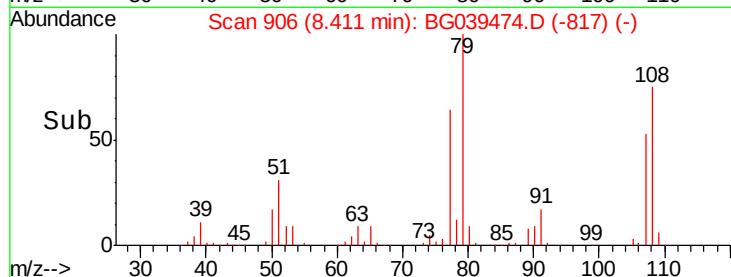
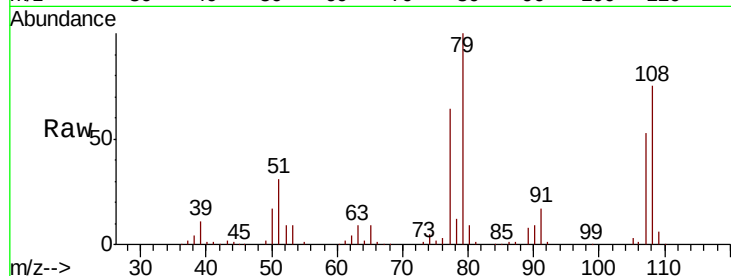
Tgt Ion: 79 Resp: 165380

Ion Ratio Lower Upper

79 100

108 75.2 57.8 86.6

77 64.2 51.1 76.7



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.229 ng

RT: 8.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

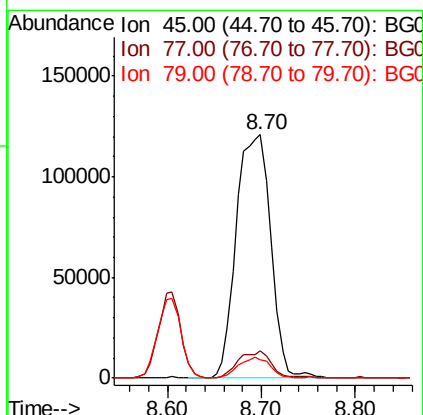
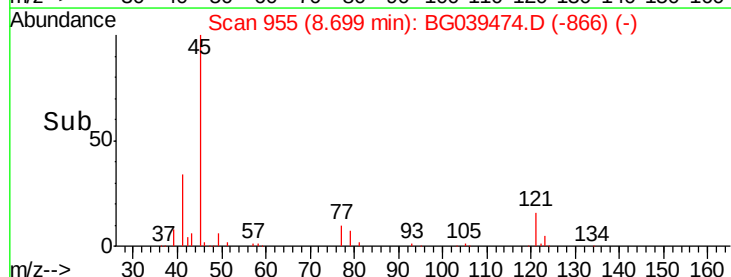
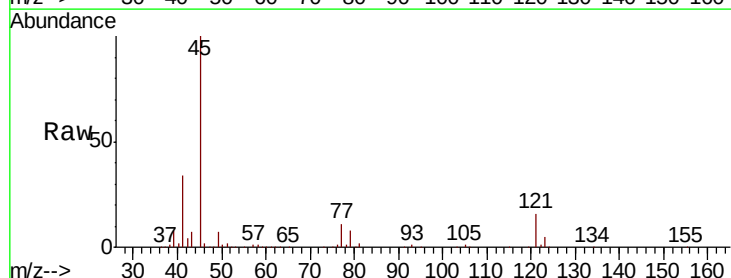
Tgt Ion: 45 Resp: 307439

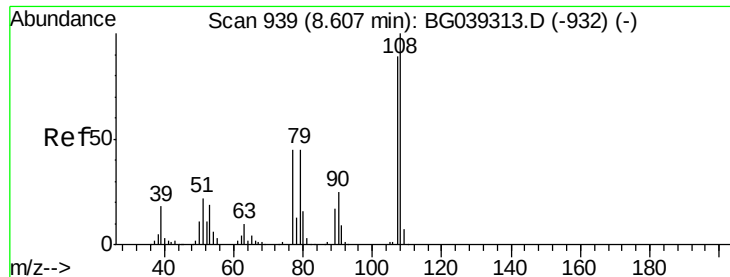
Ion Ratio Lower Upper

45 100

77 11.0 0.0 30.0

79 7.6 0.0 27.5





#17

2-Methylphenol

Concen: 52.649 ng

RT: 8.61 min Scan# 939

Delta R.T. -0.00 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:107 Resp: 145916

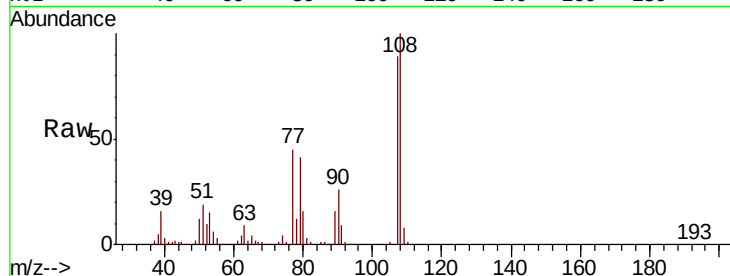
Ion Ratio Lower Upper

107 100

108 112.1 90.8 136.2

77 49.9 40.7 61.1

79 46.2 40.6 60.8



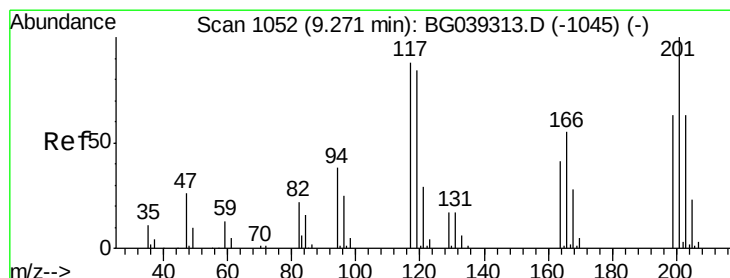
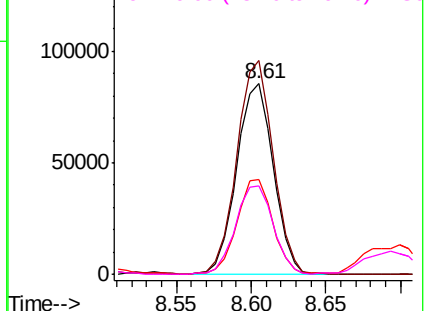
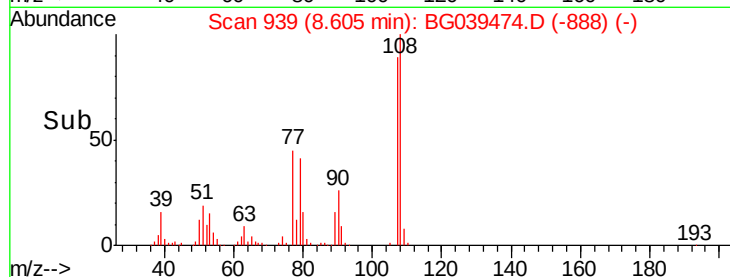
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 45.631 ng

RT: 9.26 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

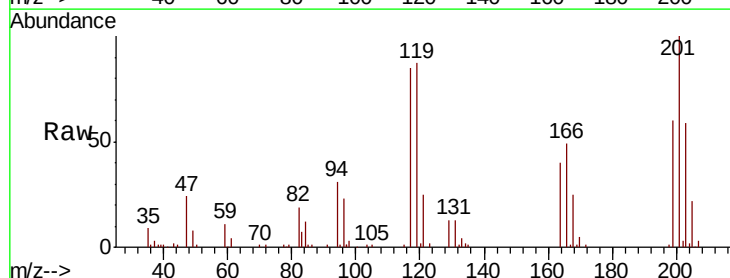
Tgt Ion:117 Resp: 57833

Ion Ratio Lower Upper

117 100

119 103.0 76.3 114.5

201 118.2 91.1 136.7

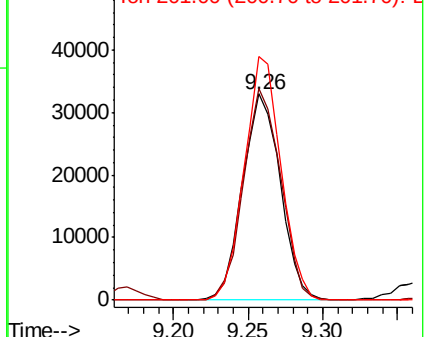
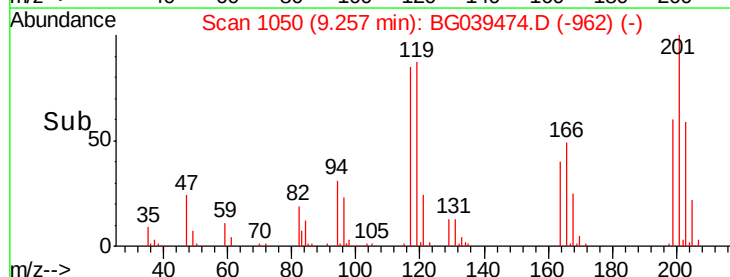


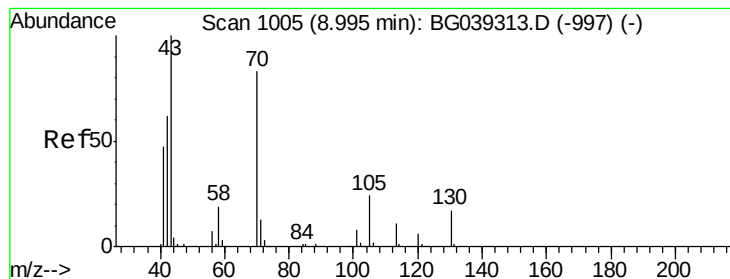
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 46.999 ng

RT: 8.98 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion: 70 Resp: 137050

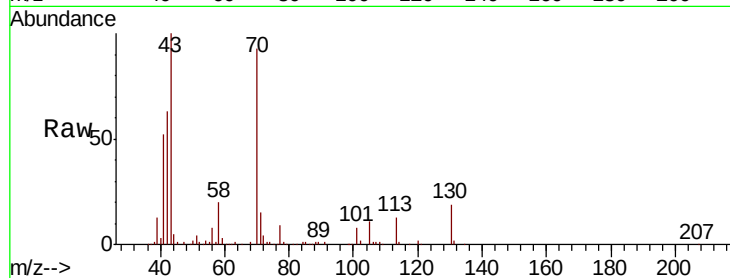
Ion Ratio Lower Upper

70 100

42 67.3 60.4 90.6

101 8.7 7.5 11.3

130 20.8 16.9 25.3



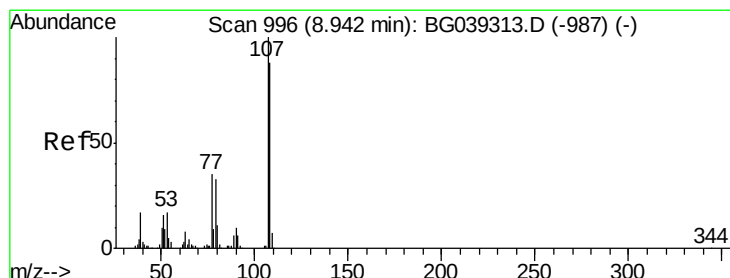
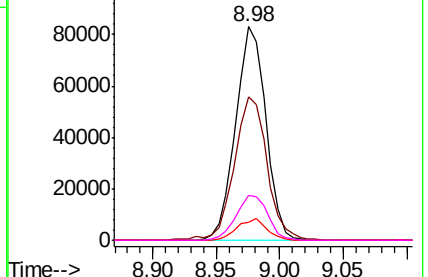
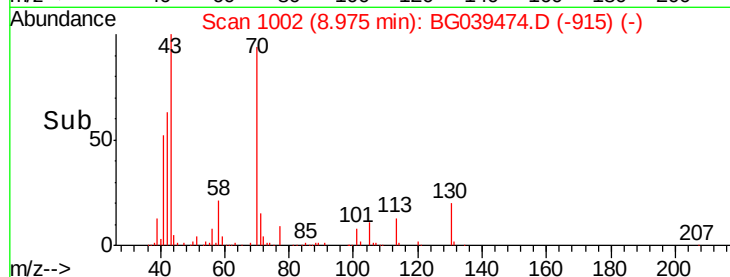
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Time-->



#20

3+4-Methylphenols

Concen: 52.962 ng

RT: 8.93 min Scan# 995

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion: 107 Resp: 202127

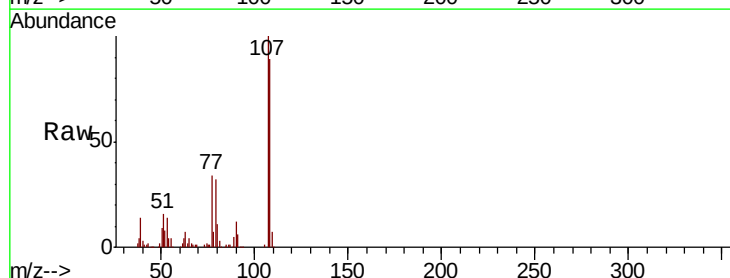
Ion Ratio Lower Upper

107 100

108 88.8 67.9 107.9

77 34.1 15.4 55.4

79 32.1 13.7 53.7



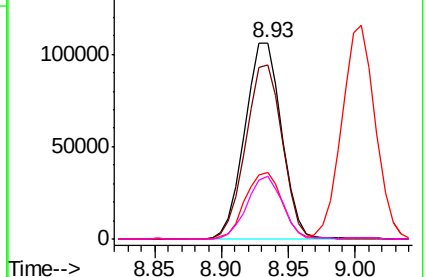
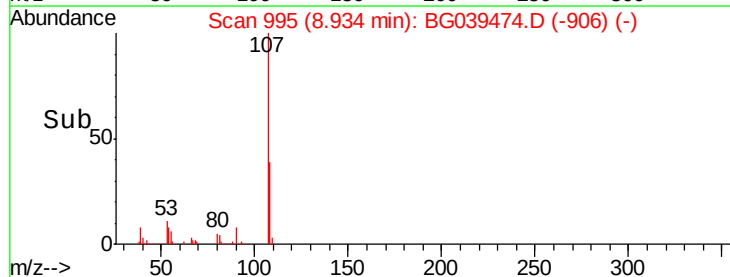
Abundance Ion 107.00 (106.70 to 107.70): BGC

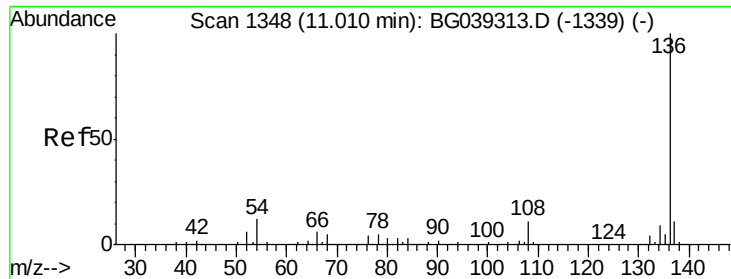
Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

Time-->

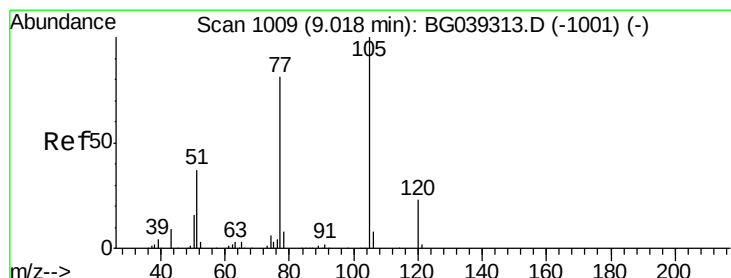
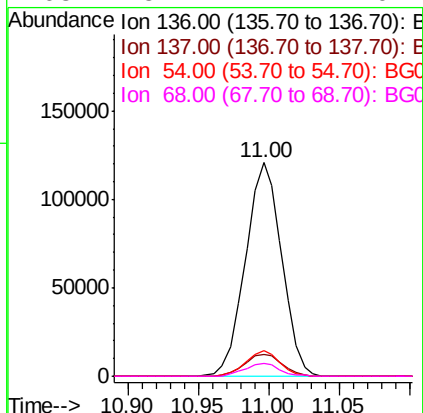
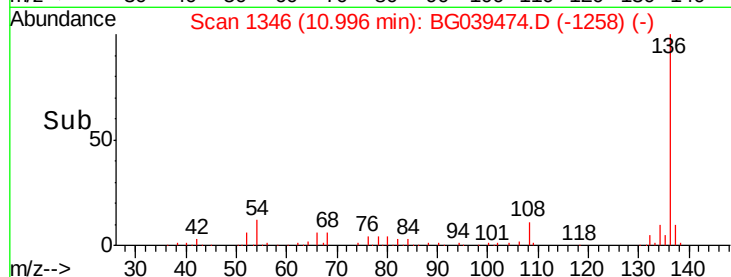
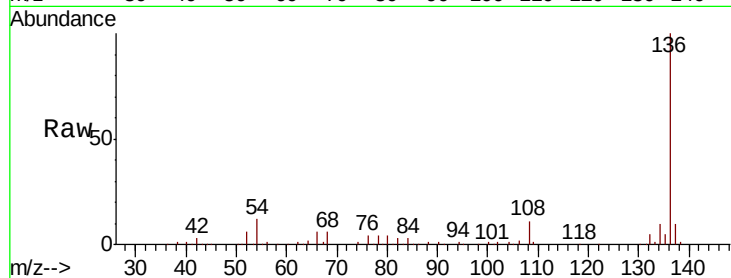




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

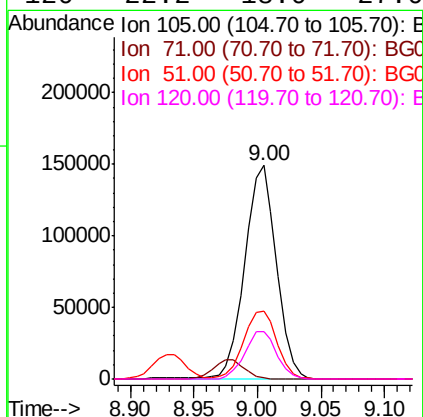
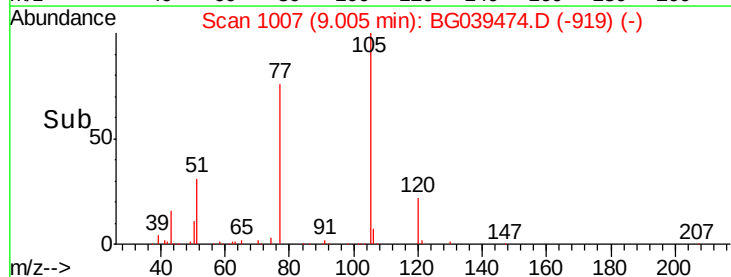
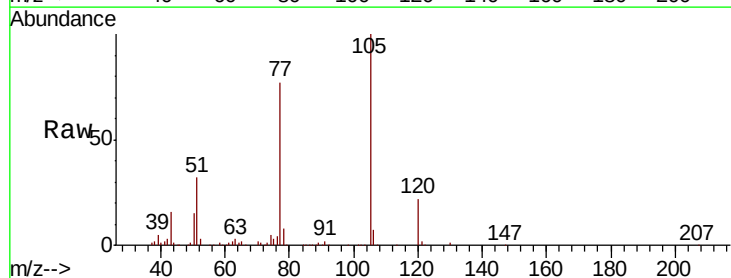
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

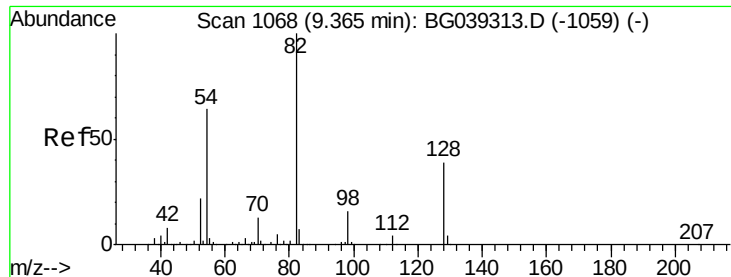
Tgt Ion:	136	Resp:	216816
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	11.9	9.4	14.2
68	5.7	4.2	6.4



#22
Acetophenone
Concen: 44.418 ng
RT: 9.00 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:	105	Resp:	258693
Ion	Ratio	Lower	Upper
105	100		
71	0.5	0.8	1.2#
51	31.8	30.2	45.2
120	22.2	18.0	27.0





#23

Nitrobenzene-d5

Concen: 122.335 ng

RT: 9.35 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

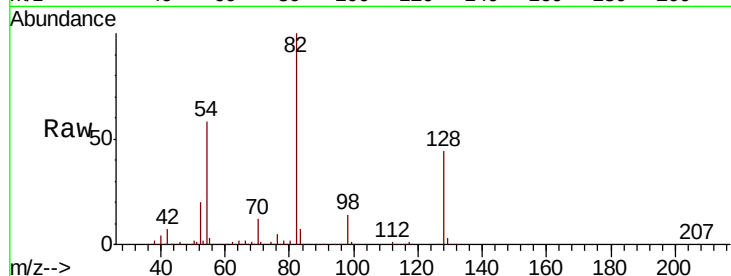
Tgt Ion: 82 Resp: 424580

Ion Ratio Lower Upper

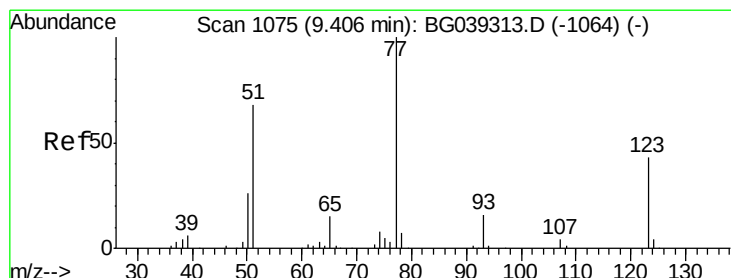
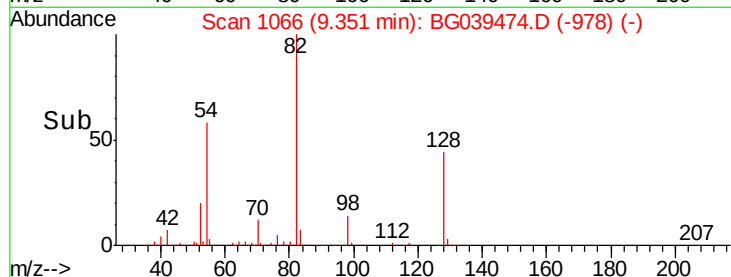
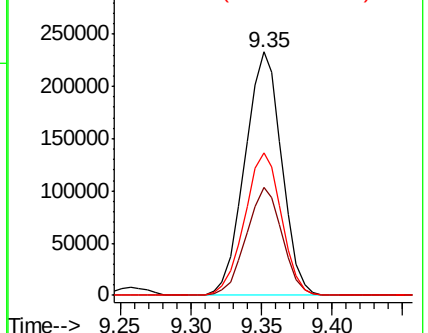
82 100

128 44.1 31.3 46.9

54 58.4 50.9 76.3



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: 53.142 ng

RT: 9.39 min Scan# 1073

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

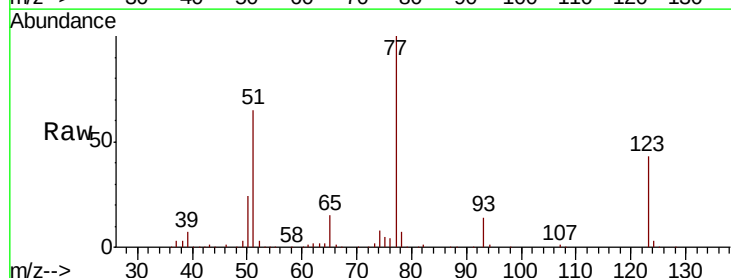
Tgt Ion: 77 Resp: 199251

Ion Ratio Lower Upper

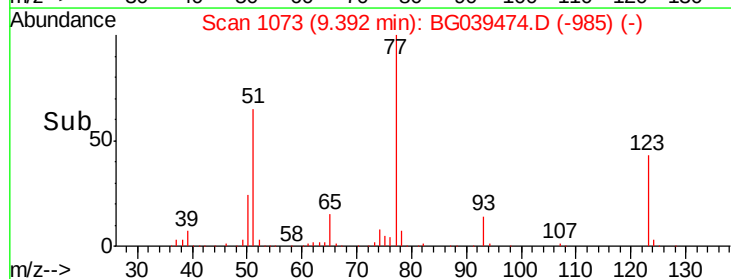
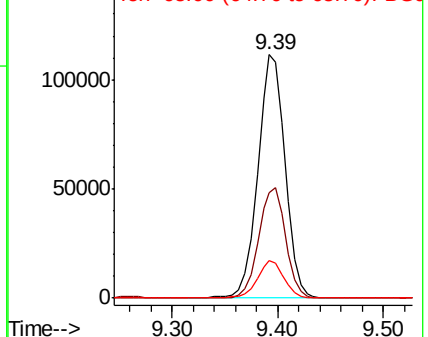
77 100

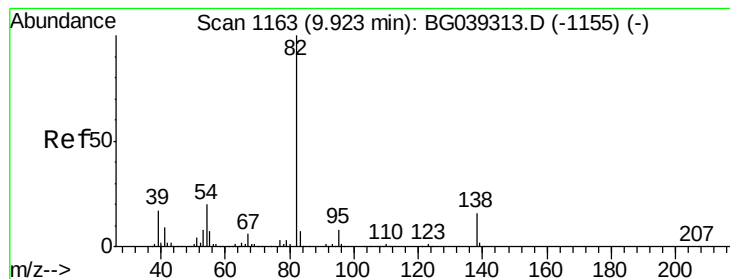
123 43.4 34.1 51.1

65 15.4 12.3 18.5



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: 50.755 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

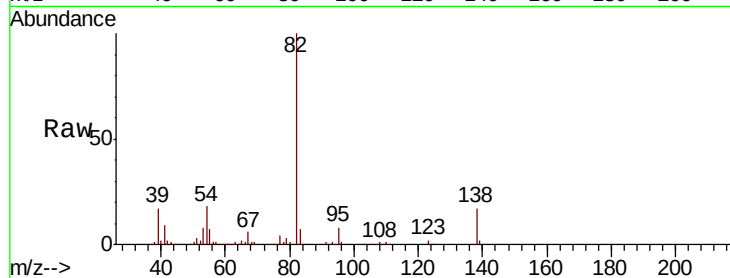
Tgt Ion: 82 Resp: 390350

Ion Ratio Lower Upper

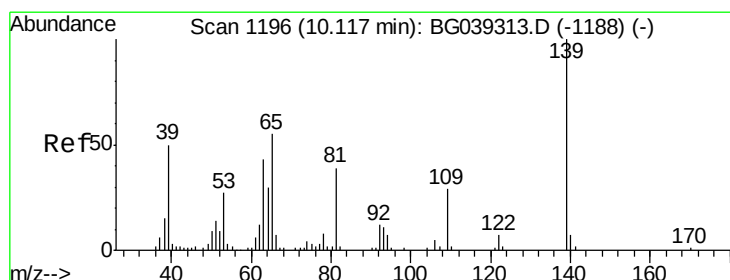
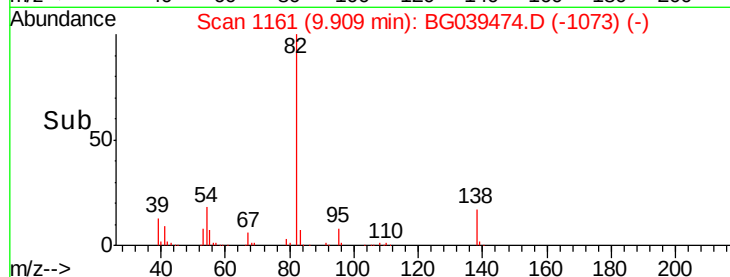
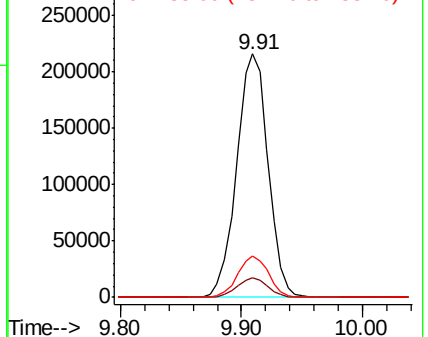
82 100

95 7.9 6.2 9.2

138 17.0 13.0 19.4



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: 61.102 ng

RT: 10.10 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

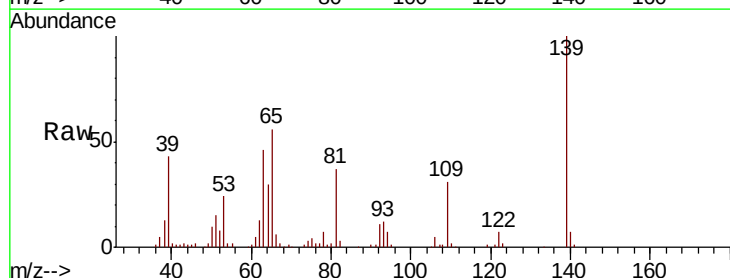
Tgt Ion: 139 Resp: 97721

Ion Ratio Lower Upper

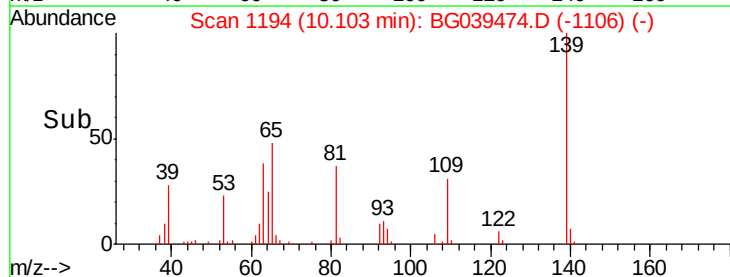
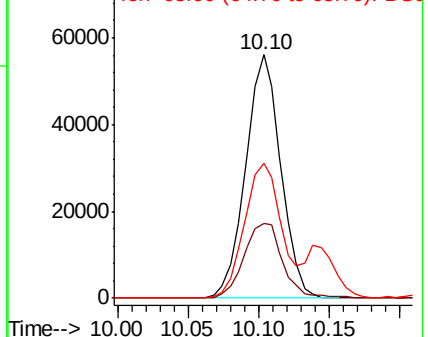
139 100

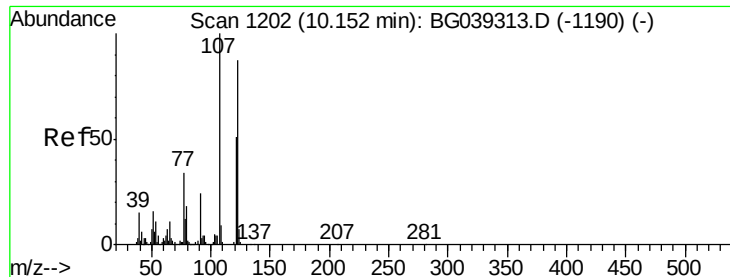
109 30.5 23.4 35.0

65 55.6 44.3 66.5



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: 57.098 ng

RT: 10.14 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

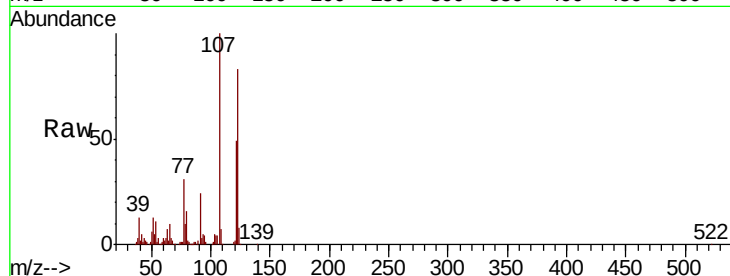
Tgt Ion:122 Resp: 177641

Ion Ratio Lower Upper

122 100

107 120.4 91.7 137.5

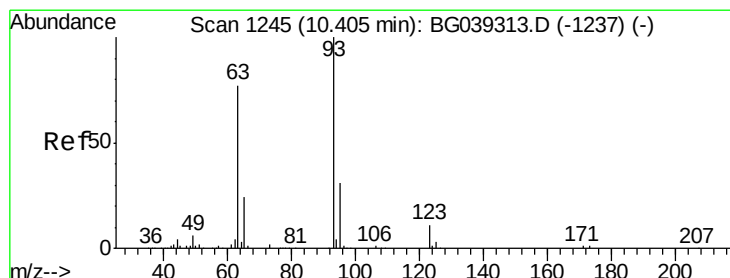
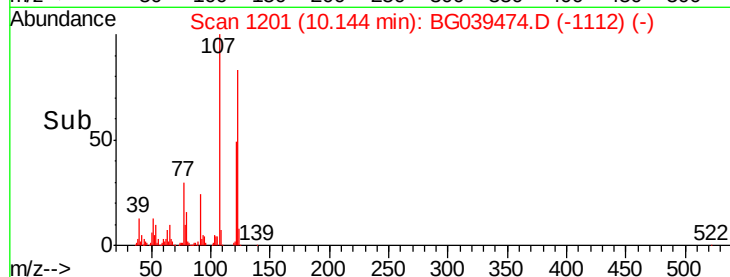
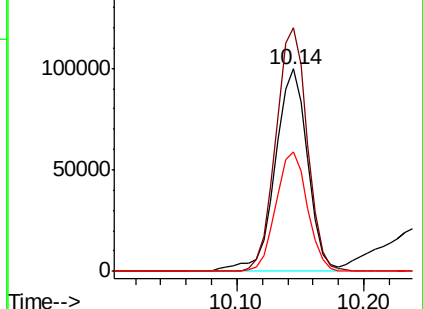
121 59.0 46.4 69.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.178 ng

RT: 10.39 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

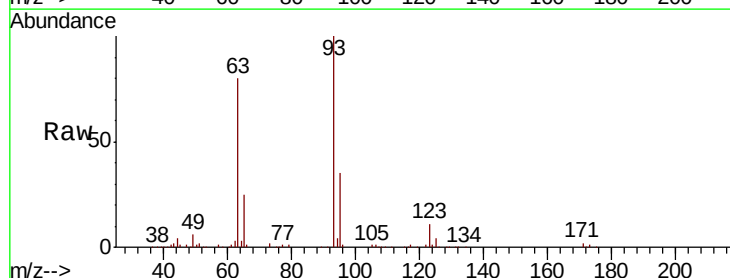
Tgt Ion: 93 Resp: 228225

Ion Ratio Lower Upper

93 100

95 34.5 25.0 37.4

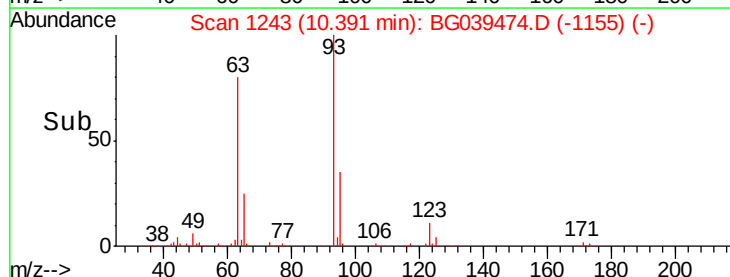
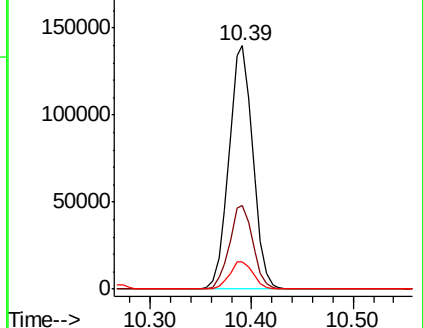
123 11.4 8.6 12.8

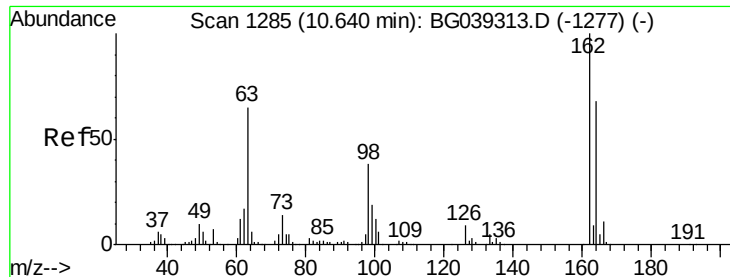


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

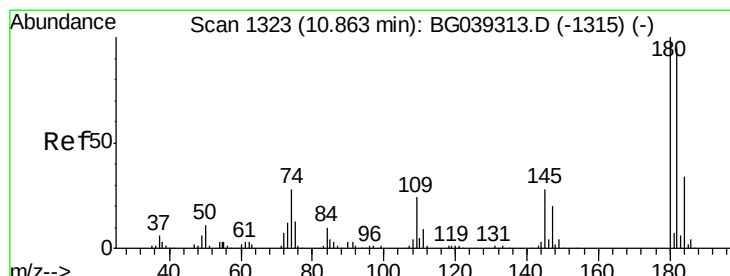
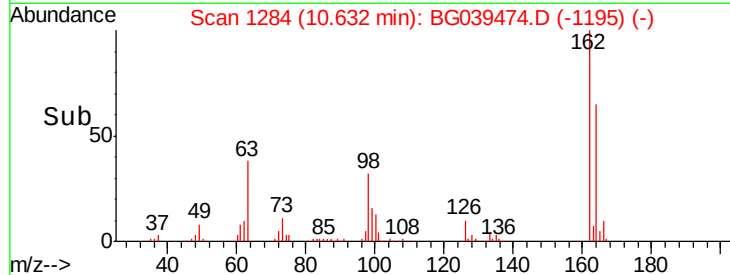
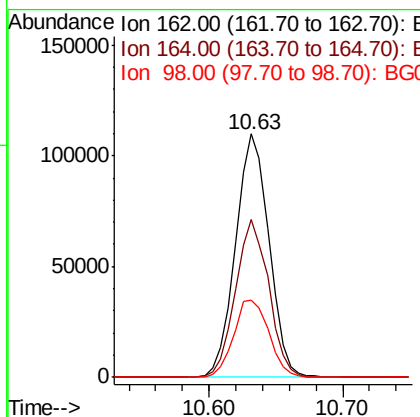
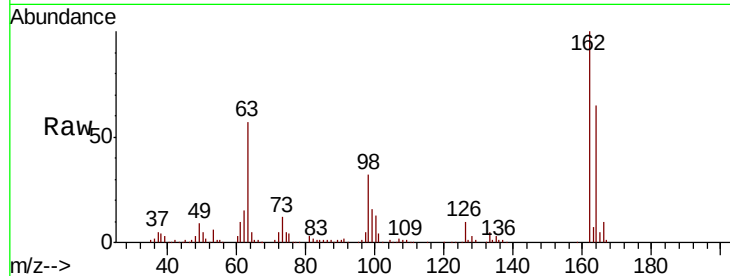




#29
2,4-Dichlorophenol
Concen: 56.001 ng
RT: 10.63 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

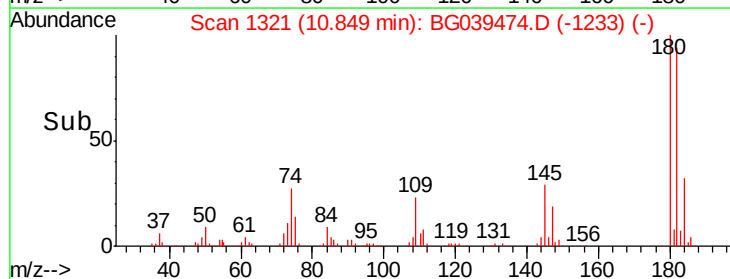
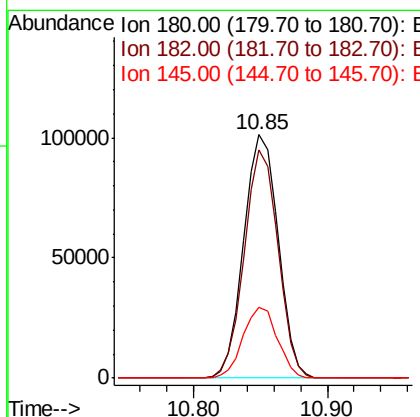
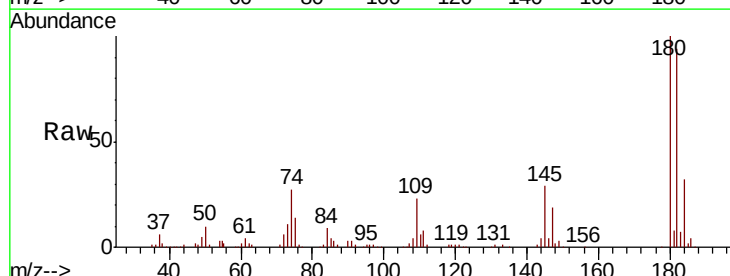
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

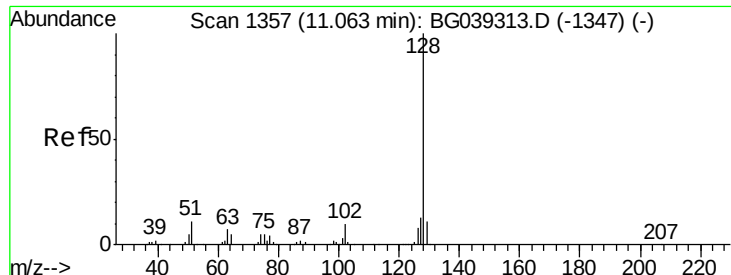
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.0	48.1	88.1
98	32.0	18.1	58.1



#30
1,2,4-Trichlorobenzene
Concen: 47.373 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.0	114.0
145	29.0	22.7	34.1

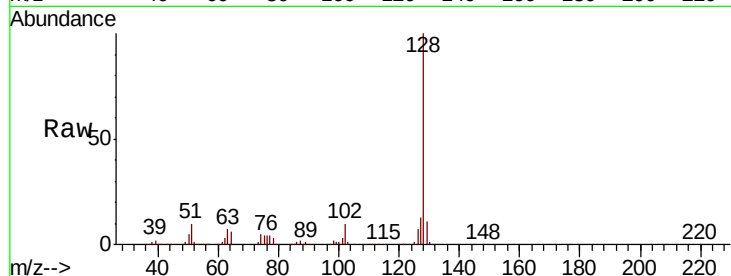




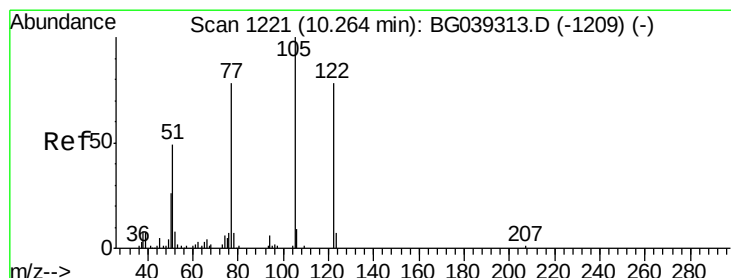
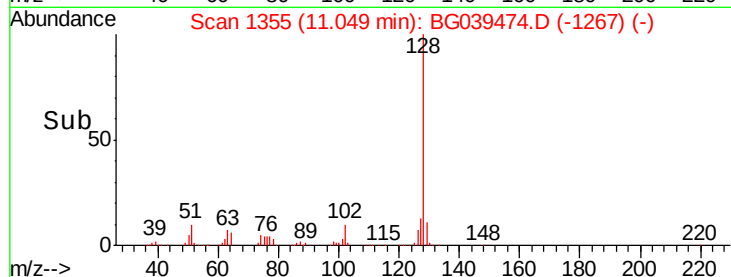
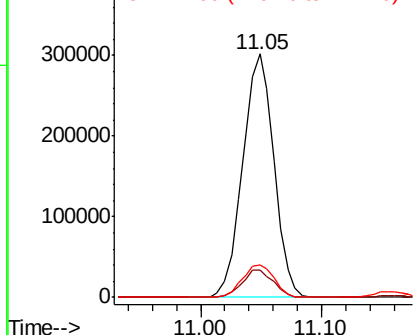
#31
Naphthalene
Concen: 50.535 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:128 Resp: 543562
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.4 10.8 16.2

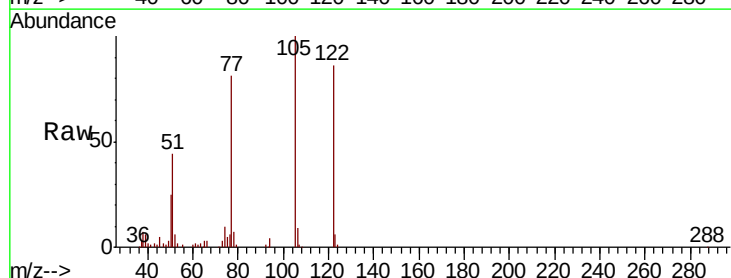


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

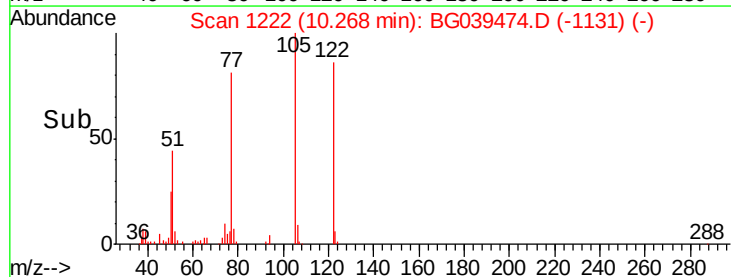
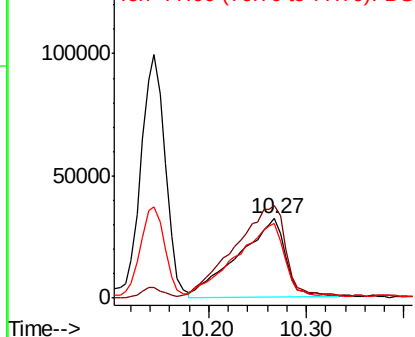


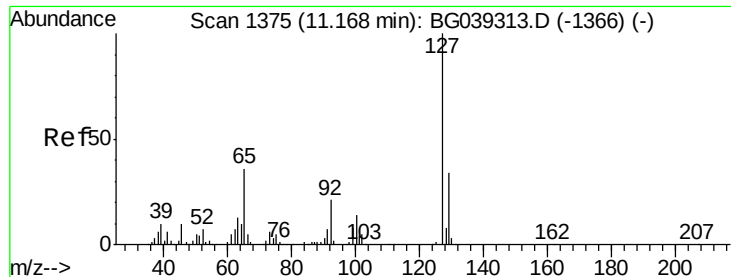
#32
Benzoic acid
Concen: 51.977 ng
RT: 10.27 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:122 Resp: 107765
Ion Ratio Lower Upper
122 100
105 116.9 101.8 141.8
77 94.1 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

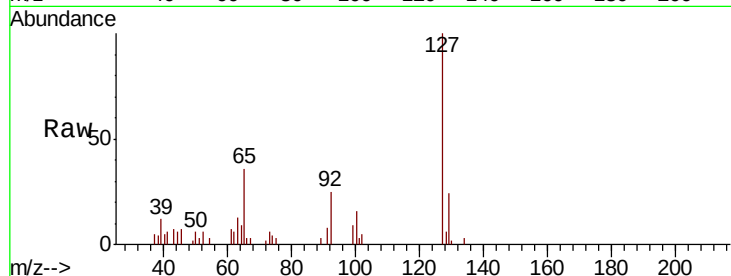




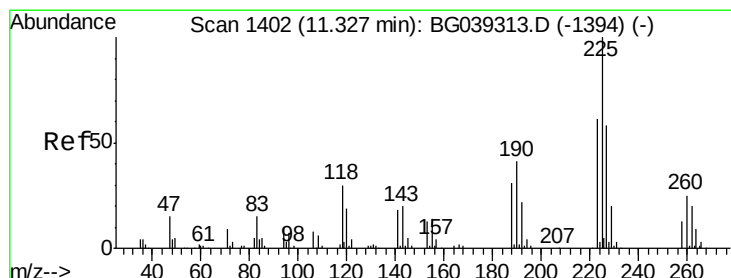
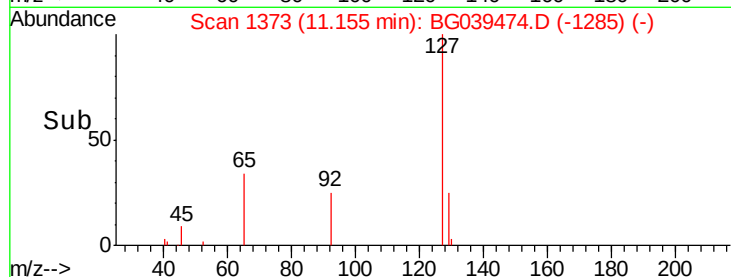
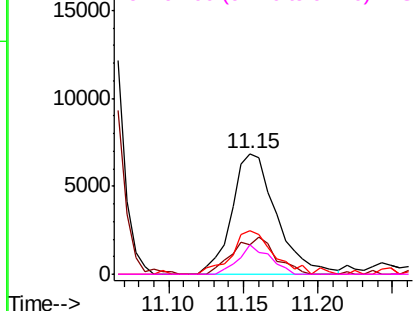
#33
4-Chloroaniline
Concen: 2.849 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:	127	Resp:	14207
Ion	Ratio	Lower	Upper
127	100		
129	24.2	27.0	40.4#
65	36.0	28.8	43.2
92	24.8	16.6	25.0

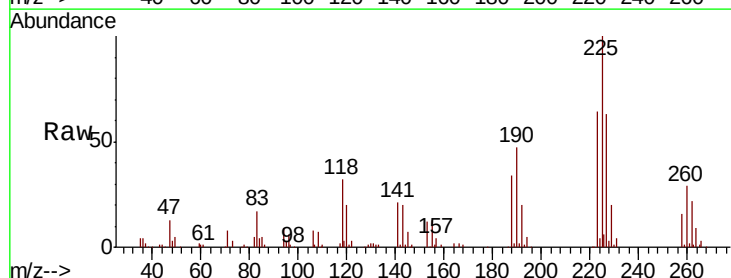


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

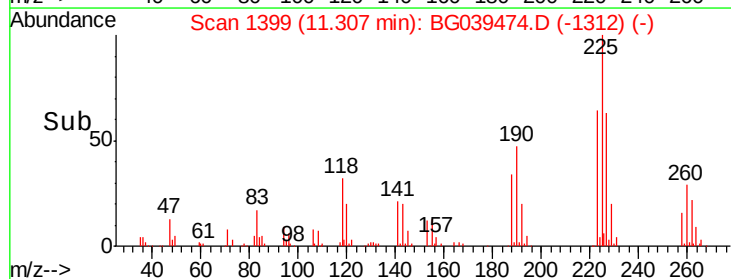
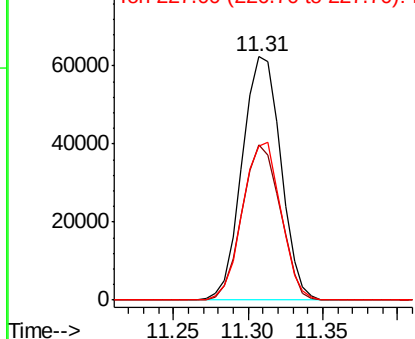


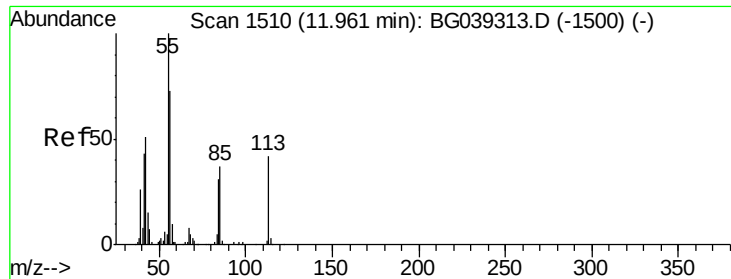
#34
Hexachlorobutadiene
Concen: 44.074 ng
RT: 11.31 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:	225	Resp:	111894
Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.0	73.6
227	63.2	46.3	69.5



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

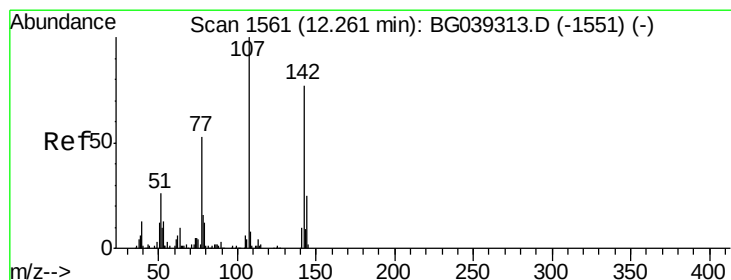
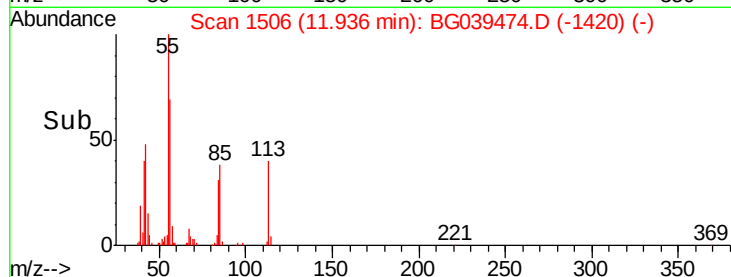
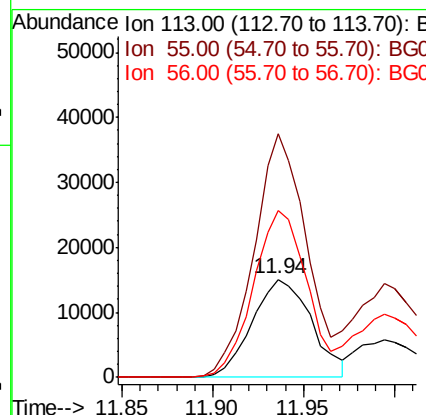
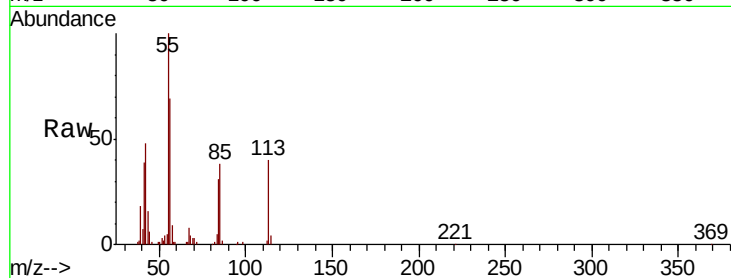




#35
 Caprolactam
 Concen: 24.220 ng
 RT: 11.94 min Scan# 1506
 Delta R.T. -0.03 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

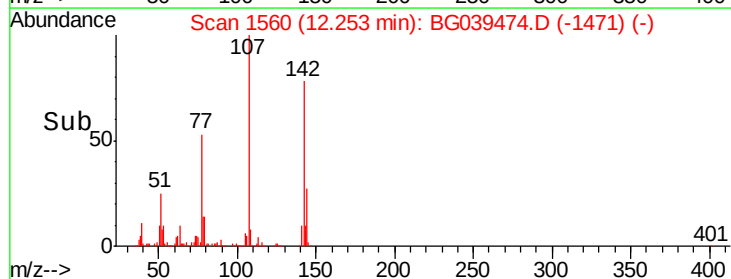
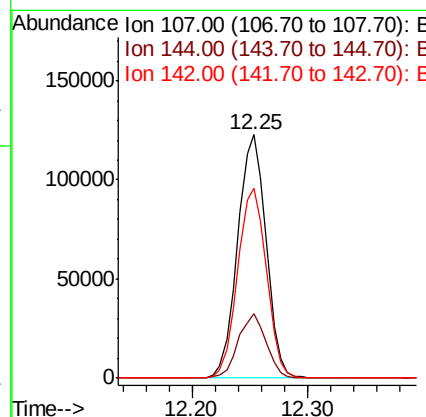
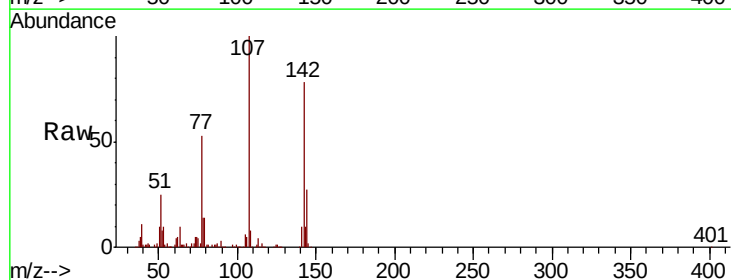
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

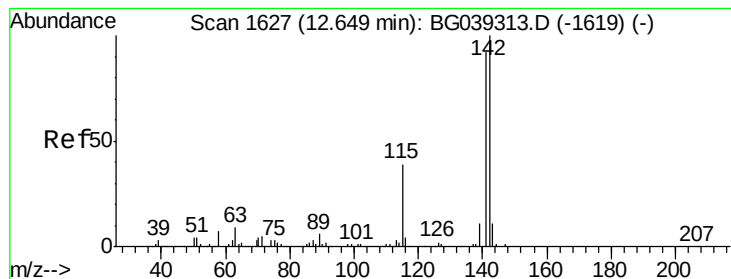
Tgt Ion:113 Resp: 34079
 Ion Ratio Lower Upper
 113 100
 55 249.0 216.9 256.9
 56 171.0 152.6 192.6



#36
 4-Chloro-3-methylphenol
 Concen: 53.375 ng
 RT: 12.25 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:107 Resp: 209892
 Ion Ratio Lower Upper
 107 100
 144 26.7 20.2 30.2
 142 78.0 61.4 92.2





#37

2-Methylnaphthalene

Concen: 51.911 ng

RT: 12.64 min Scan# 1626

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

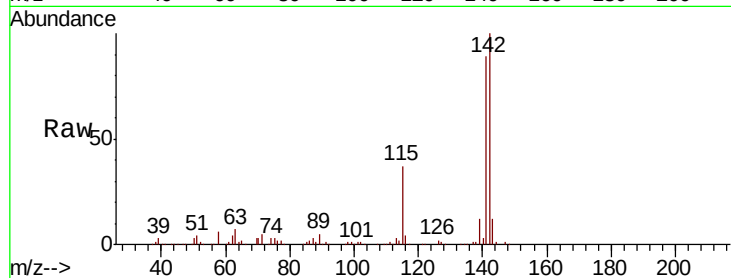
Tgt Ion:142 Resp: 413553

Ion Ratio Lower Upper

142 100

141 88.9 73.5 110.3

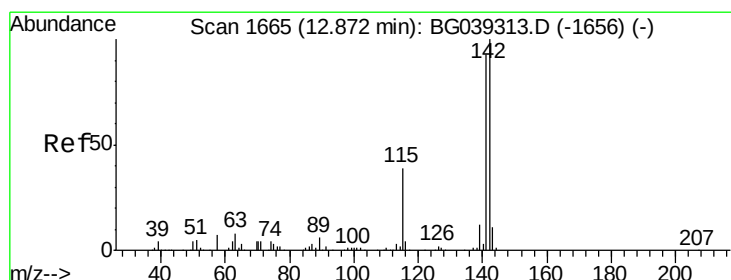
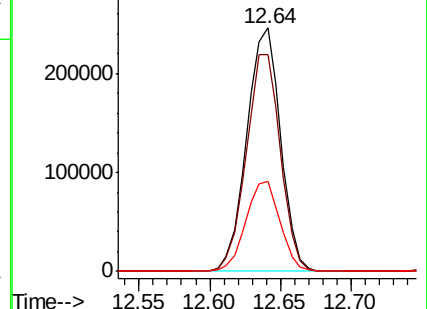
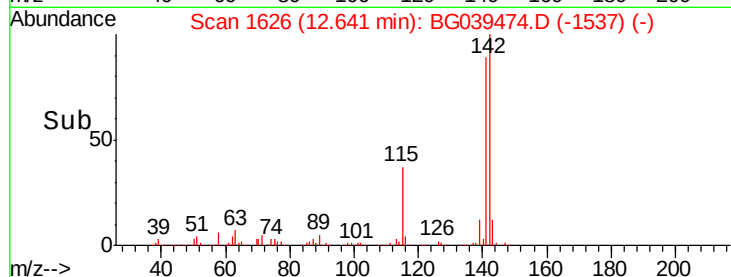
115 36.7 30.8 46.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 51.584 ng

RT: 12.86 min Scan# 1663

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

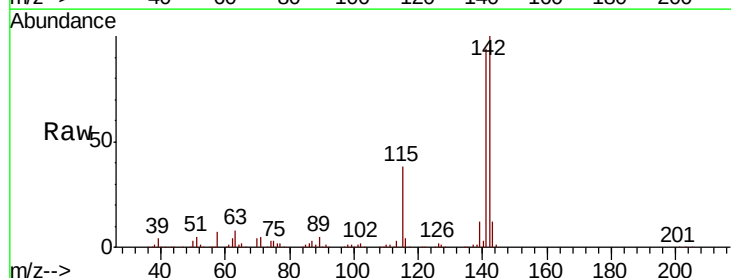
Tgt Ion:142 Resp: 396130

Ion Ratio Lower Upper

142 100

141 94.2 74.2 111.4

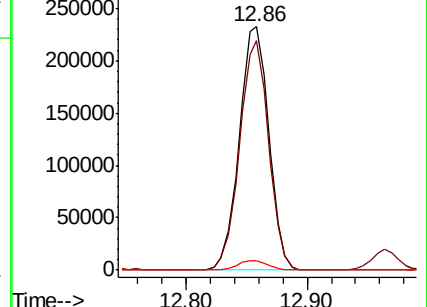
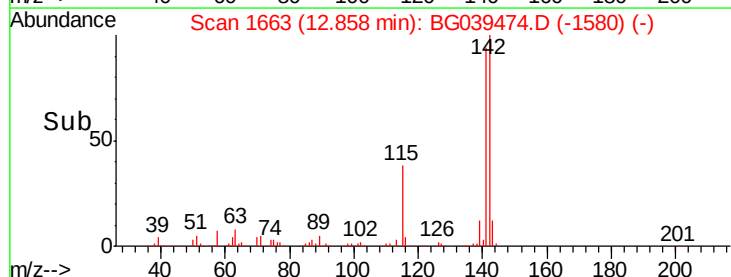
116 3.9 3.0 4.6

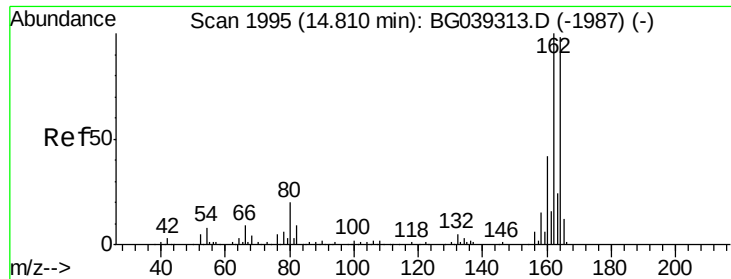


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

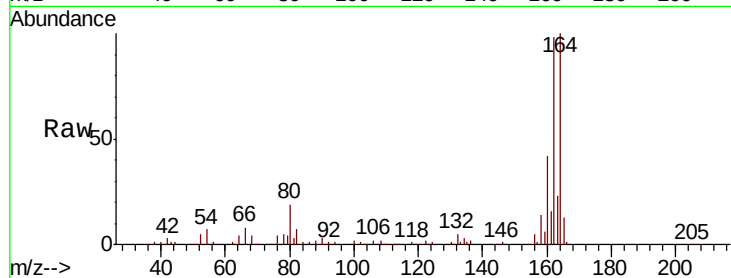
Tgt Ion:164 Resp: 150512

Ion Ratio Lower Upper

164 100

162 97.5 81.6 122.4

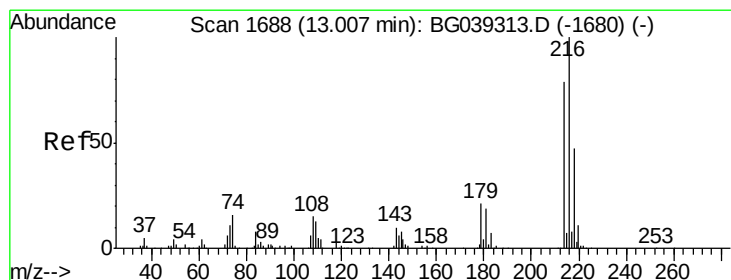
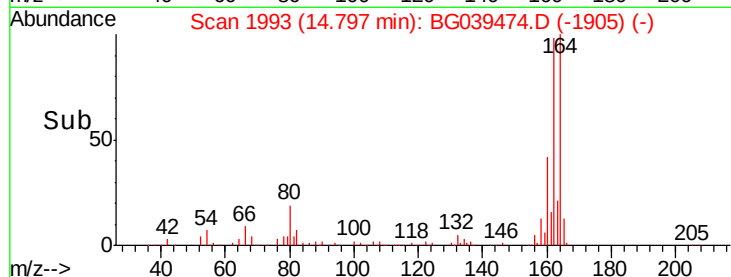
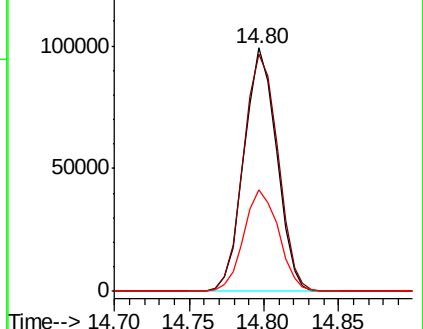
160 41.9 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.040 ng

RT: 12.99 min Scan# 1686

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Tgt Ion:216 Resp: 225267

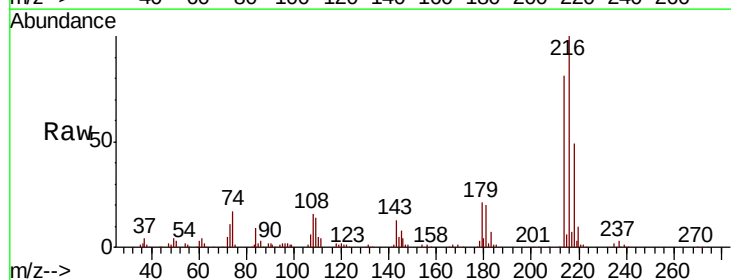
Ion Ratio Lower Upper

216 100

214 79.3 62.6 94.0

179 20.9 16.6 25.0

108 18.5 14.0 21.0

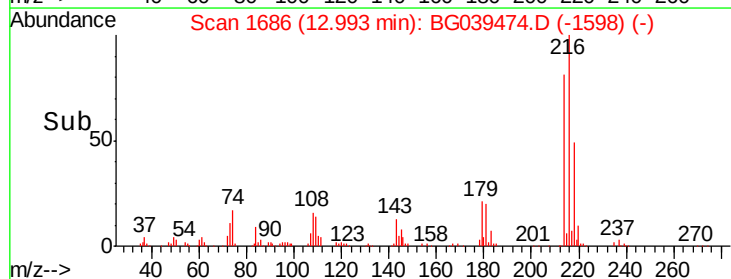
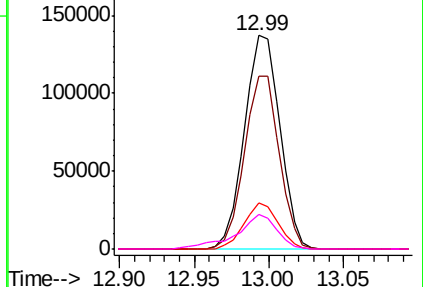


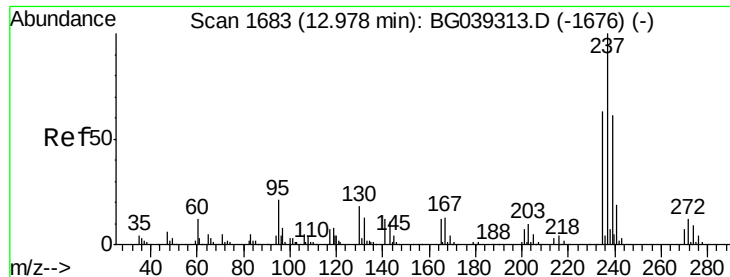
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 102.546 ng

RT: 12.96 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

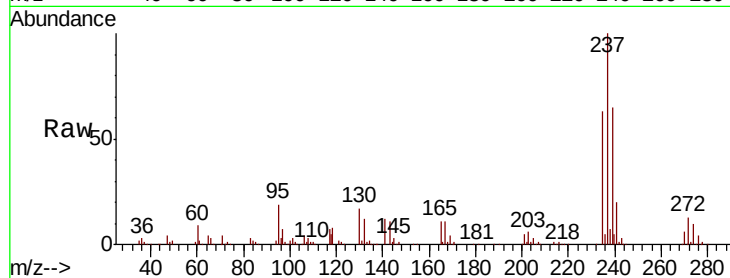
Tgt Ion:237 Resp: 267597

Ion Ratio Lower Upper

237 100

235 62.5 43.3 83.3

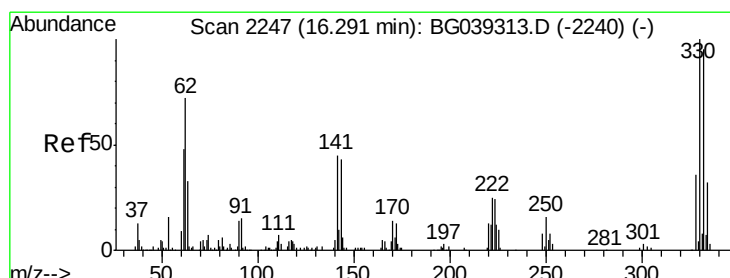
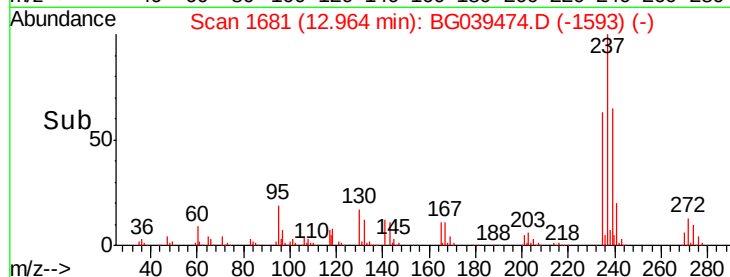
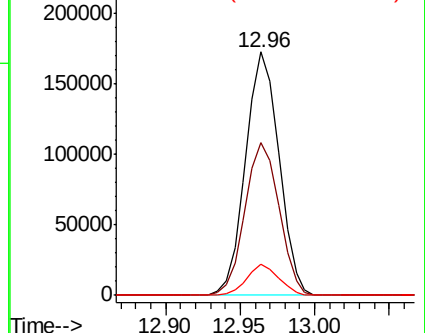
272 12.6 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 176.925 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

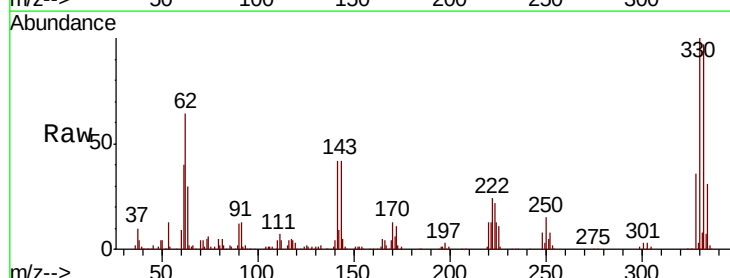
Tgt Ion:330 Resp: 286753

Ion Ratio Lower Upper

330 100

332 95.0 75.7 113.5

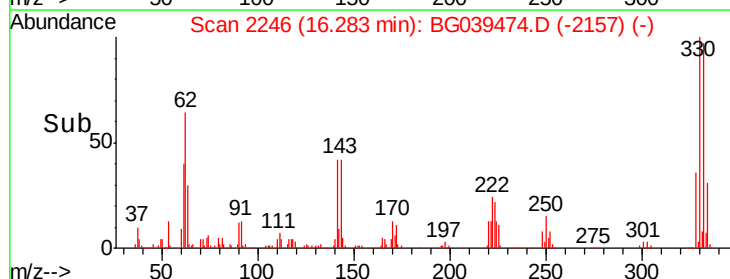
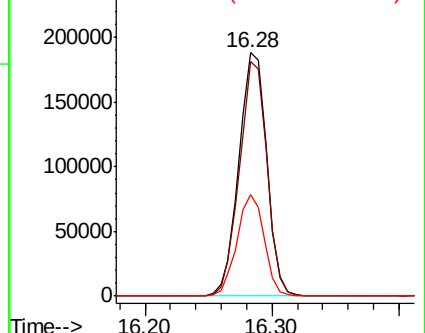
141 40.7 35.6 53.4

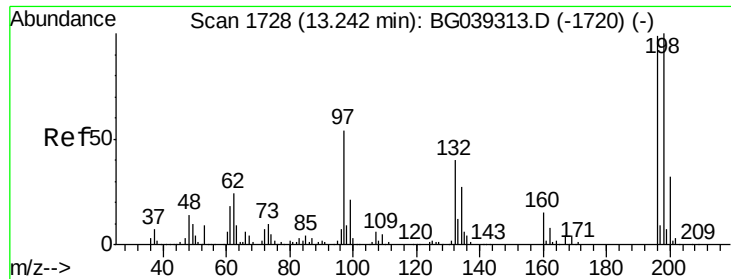


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

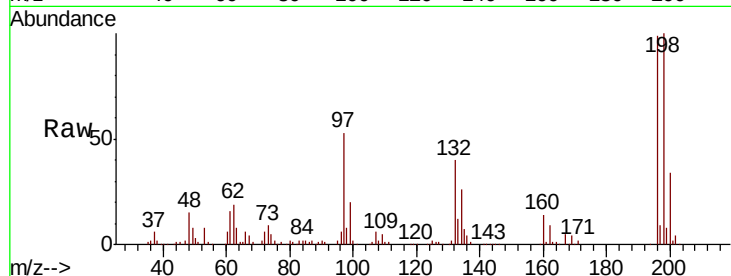




#43
 2,4,6-Trichlorophenol
 Concen: 54.410 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	121.0
200	33.9	26.1	39.1

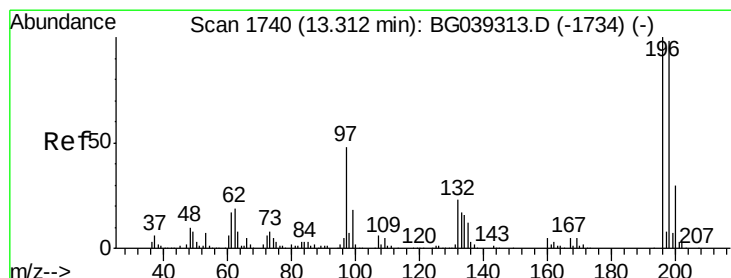
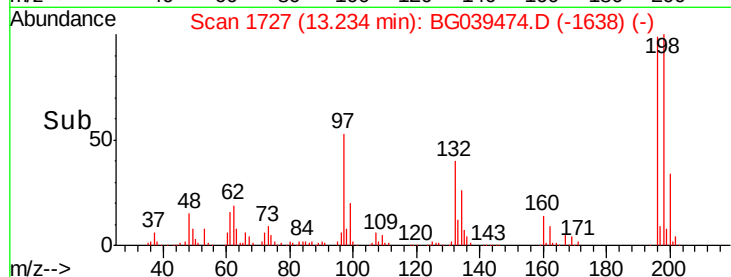
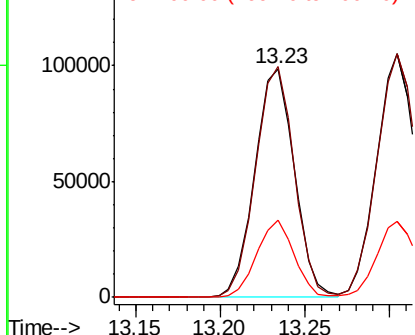


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 56.236 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.9	78.5	117.7
97	48.2	38.4	57.6
132	26.3	19.2	28.8

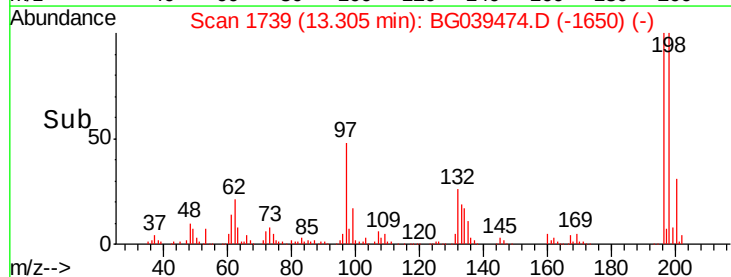
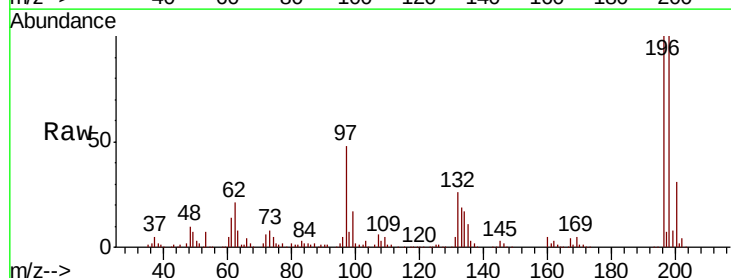
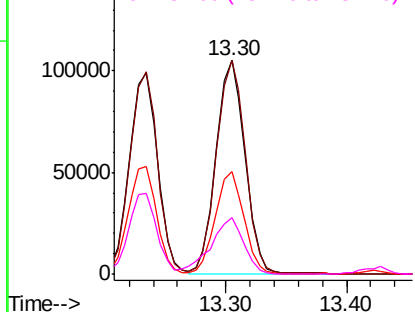
Abundance

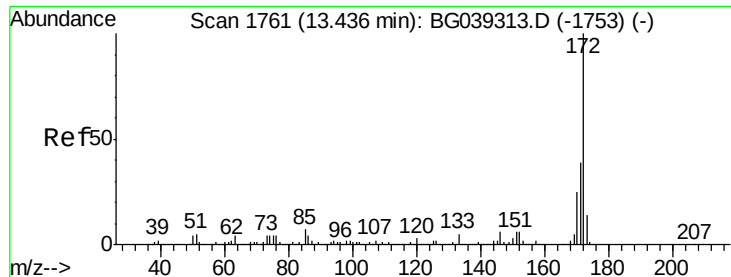
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E

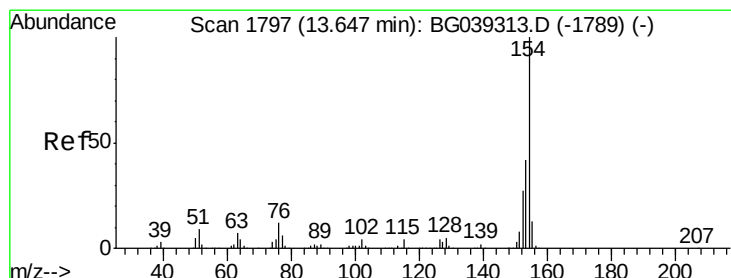
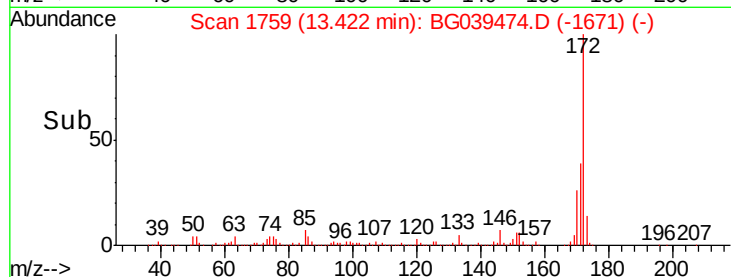
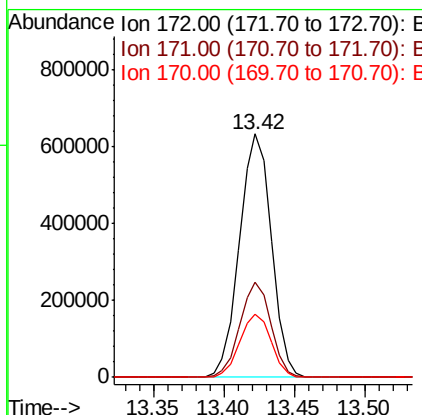
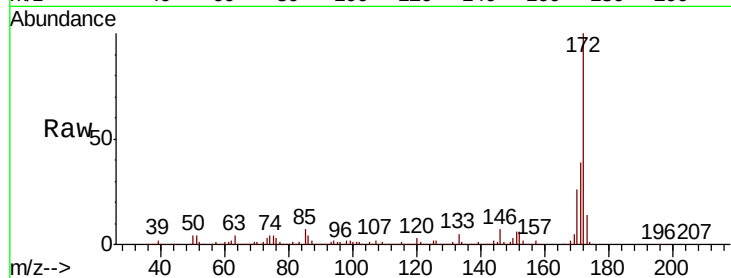




#45
 2-Fluorobiphenyl
 Concen: 95.354 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

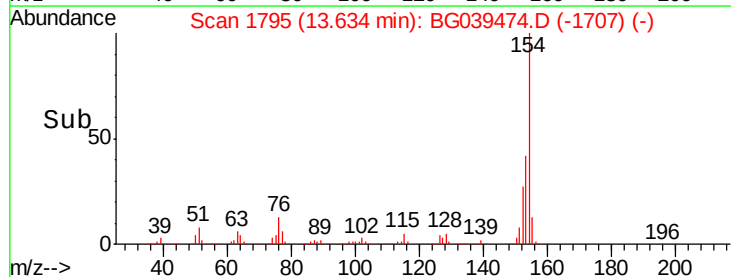
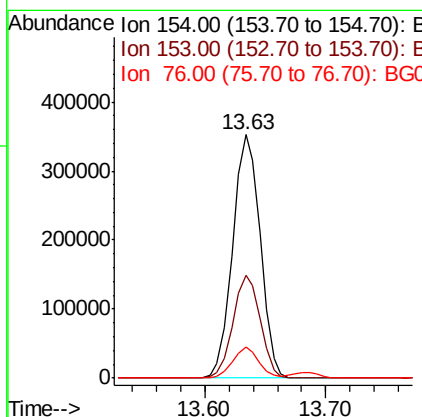
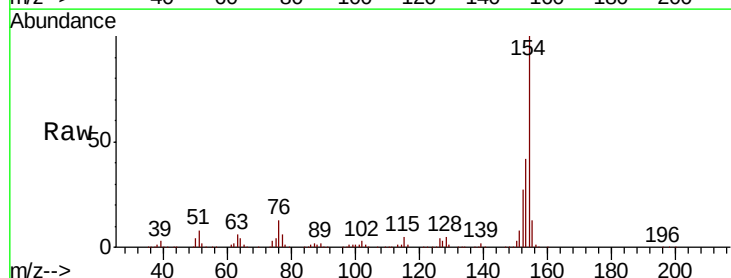
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

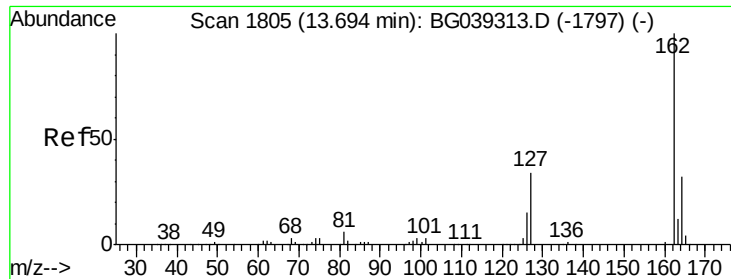
Tgt Ion:172 Resp: 1000450
 Ion Ratio Lower Upper
 172 100
 171 39.3 30.8 46.2
 170 25.7 20.2 30.4



#46
 1,1'-Biphenyl
 Concen: 44.603 ng
 RT: 13.63 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:154 Resp: 558567
 Ion Ratio Lower Upper
 154 100
 153 42.4 22.1 62.1
 76 12.7 0.0 32.4

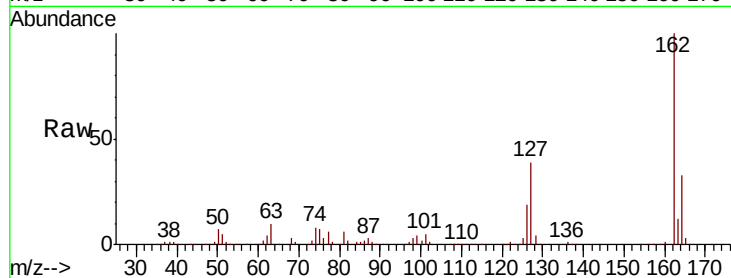




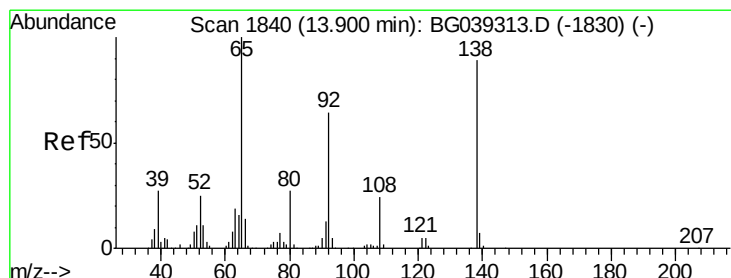
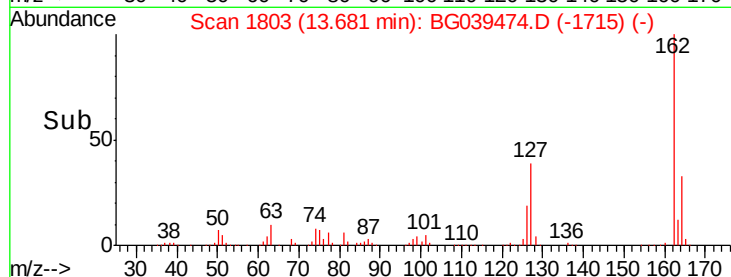
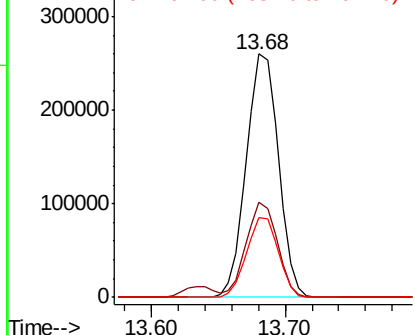
#47
 2-Chloronaphthalene
 Concen: 45.795 ng
 RT: 13.68 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion: 162 Resp: 431427
 Ion Ratio Lower Upper
 162 100
 127 39.0 31.0 46.6
 164 32.9 25.7 38.5

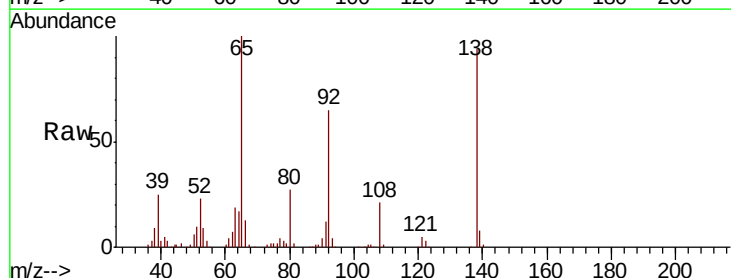


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

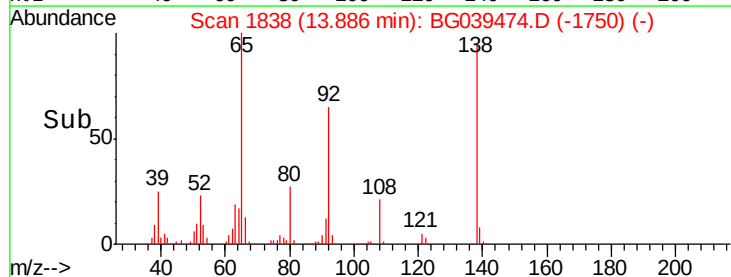
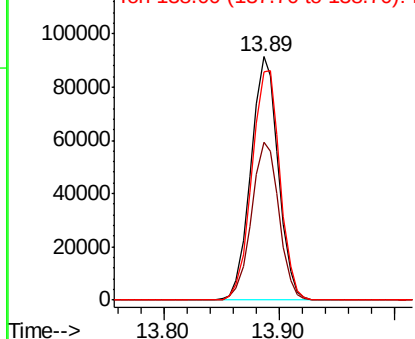


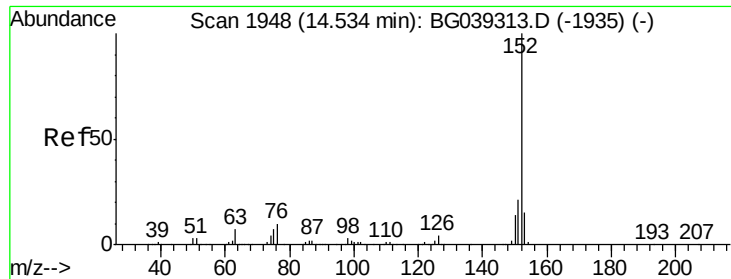
#48
 2-Nitroaniline
 Concen: 54.488 ng
 RT: 13.89 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion: 65 Resp: 151126
 Ion Ratio Lower Upper
 65 100
 92 65.0 51.4 77.2
 138 93.8 71.4 107.2



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 49.209 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

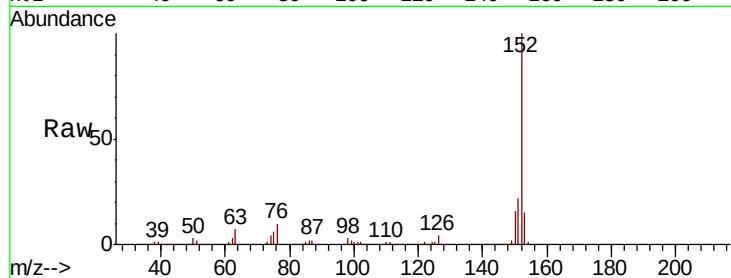
Tgt Ion:152 Resp: 699513

Ion Ratio Lower Upper

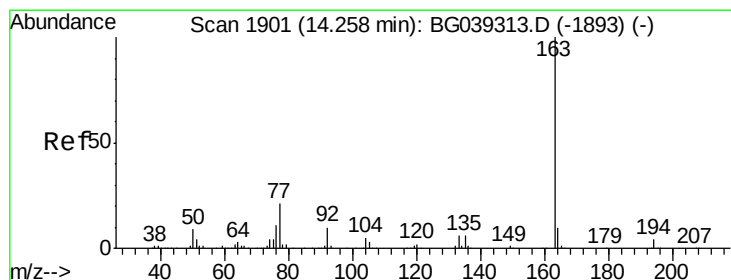
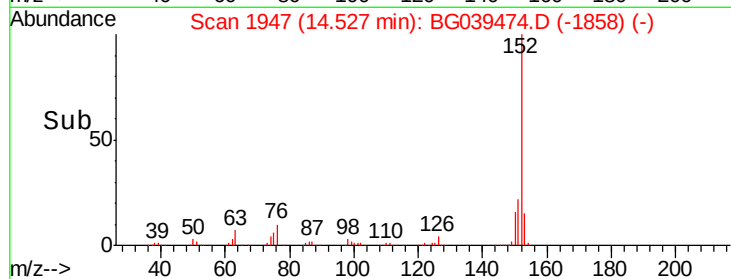
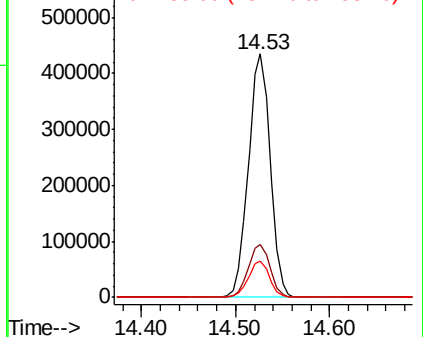
152 100

151 21.7 16.8 25.2

153 14.7 11.7 17.5



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



#50

Dimethylphthalate

Concen: 47.322 ng

RT: 14.24 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

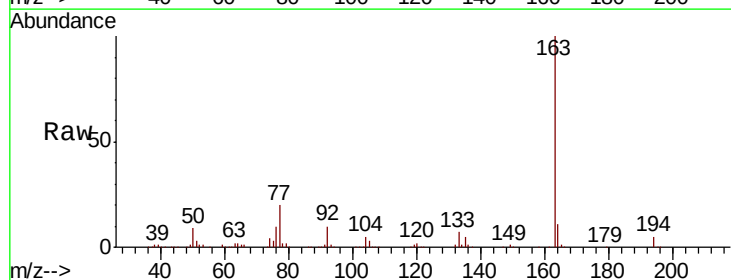
Tgt Ion:163 Resp: 575242

Ion Ratio Lower Upper

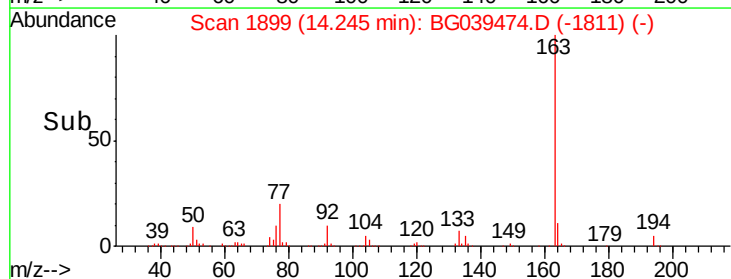
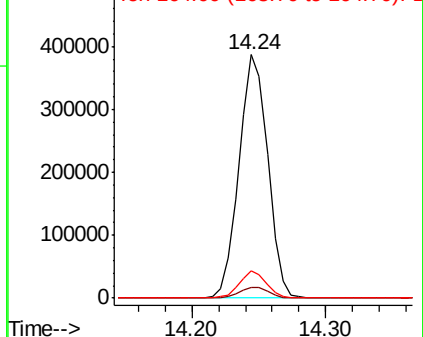
163 100

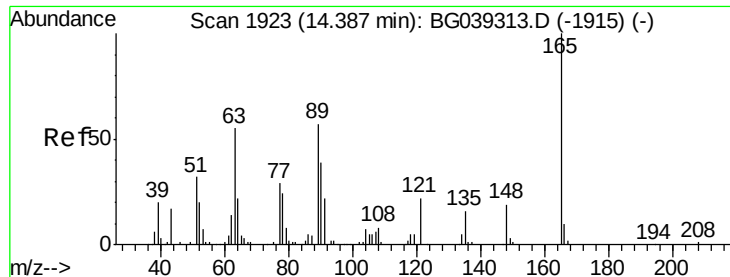
194 4.6 3.6 5.4

164 11.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

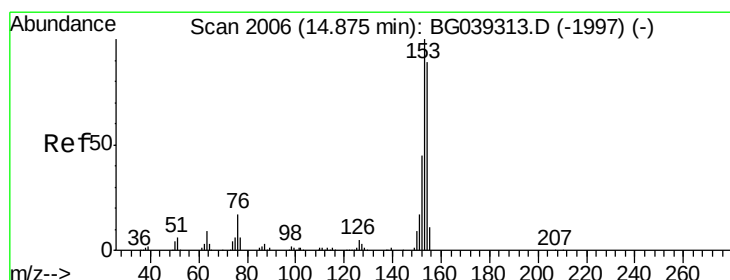
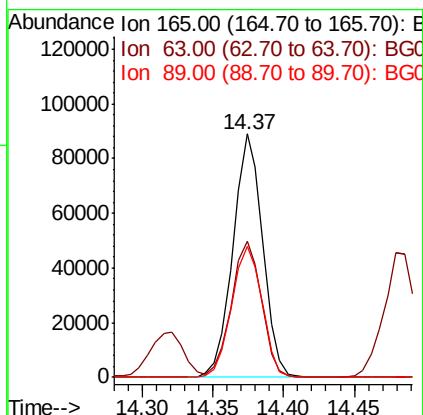
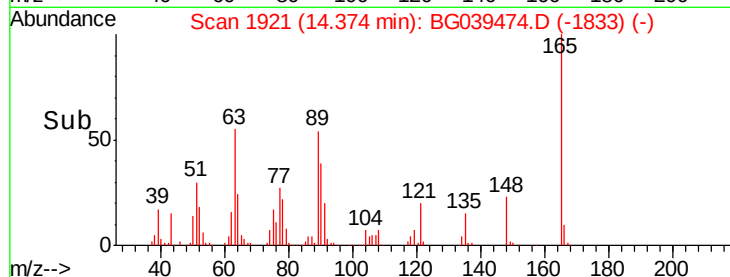
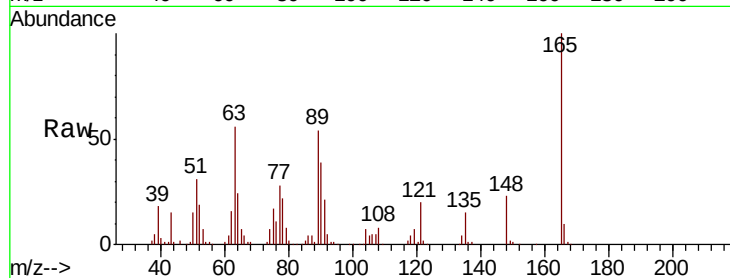




#51
2,6-Dinitrotoluene
Concen: 56.013 ng
RT: 14.37 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

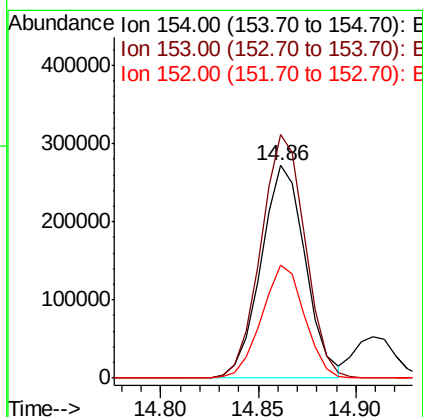
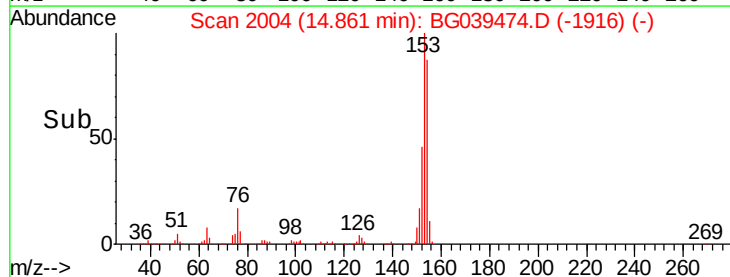
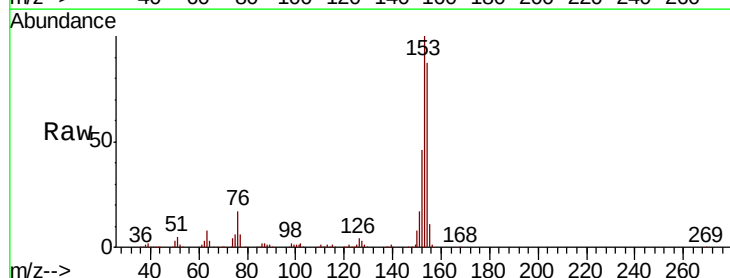
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

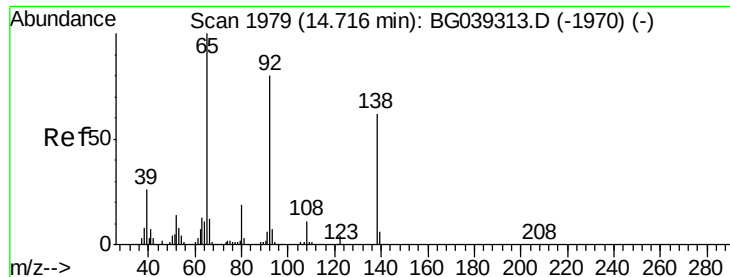
Tgt Ion:165 Resp: 130138
Ion Ratio Lower Upper
165 100
63 56.0 47.0 70.6
89 54.0 45.8 68.8



#52
Acenaphthene
Concen: 46.231 ng
RT: 14.86 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:154 Resp: 426586
Ion Ratio Lower Upper
154 100
153 114.5 90.1 135.1
152 53.1 40.9 61.3





#53

3-Nitroaniline

Concen: 19.174 ng

RT: 14.70 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

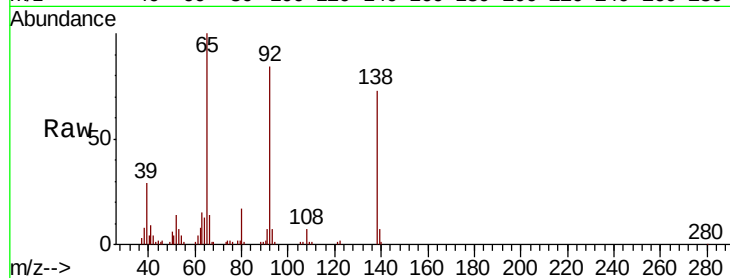
Tgt Ion:138 Resp: 37306

Ion Ratio Lower Upper

138 100

108 10.2 13.8 20.8#

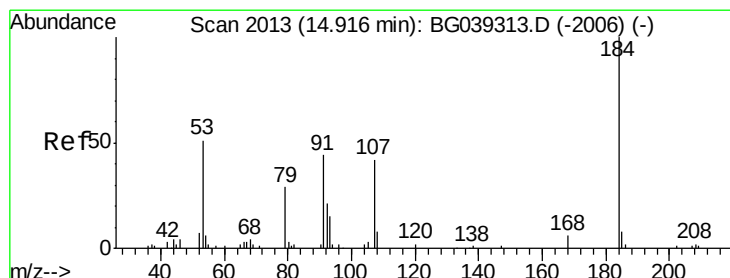
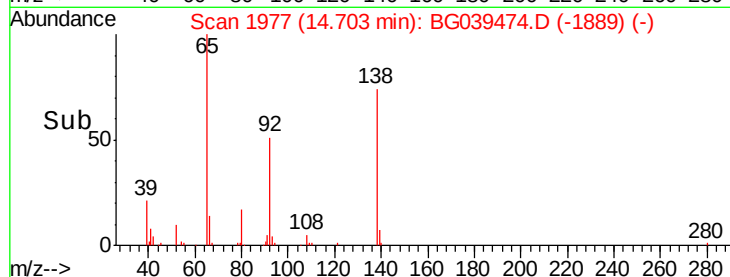
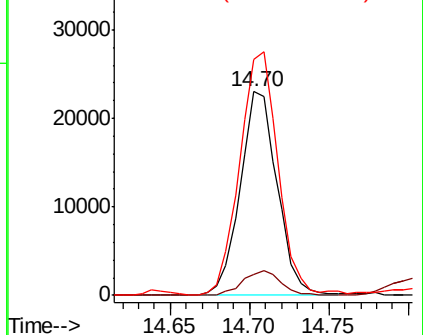
92 115.7 103.7 155.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54

2,4-Dinitrophenol

Concen: 110.685 ng

RT: 14.91 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

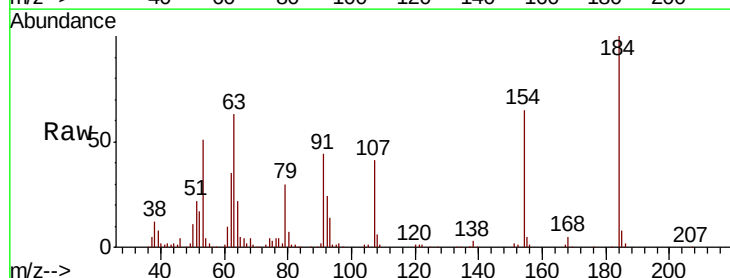
Tgt Ion:184 Resp: 132070

Ion Ratio Lower Upper

184 100

63 63.4 50.9 76.3

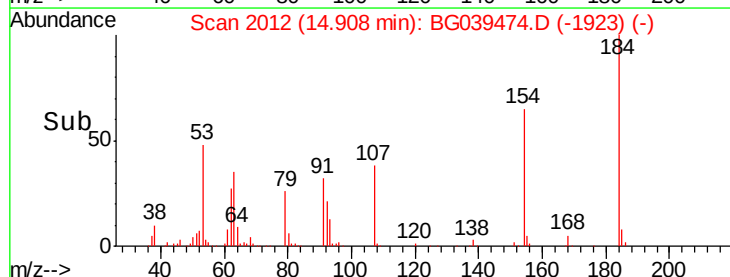
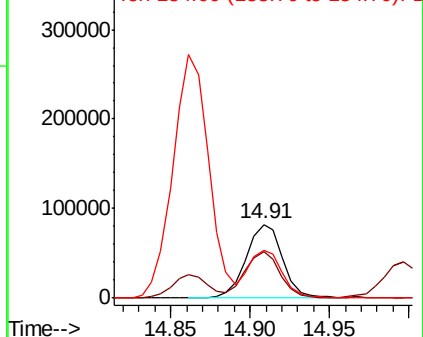
154 64.6 53.0 79.6

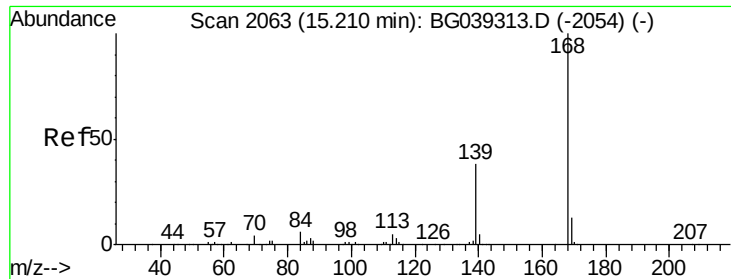


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

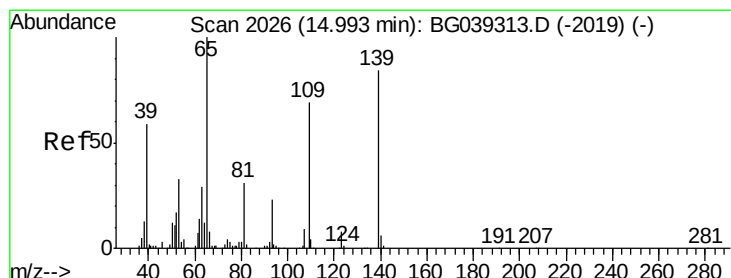
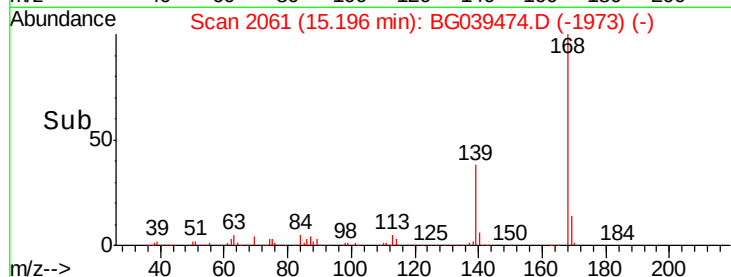
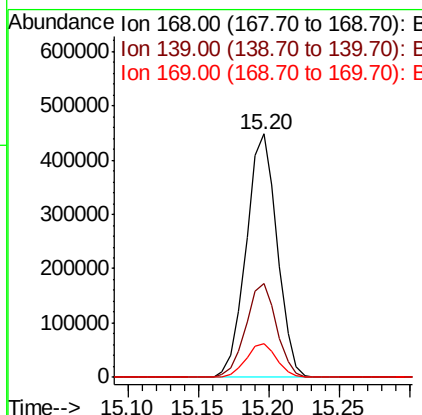
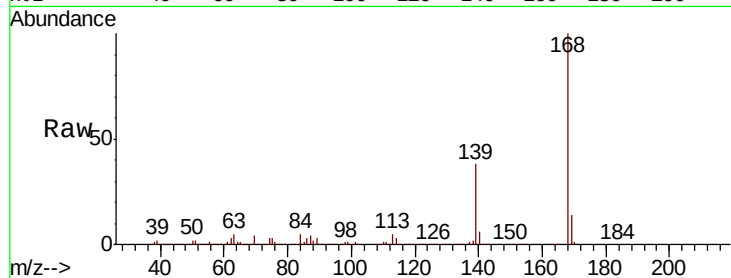




#55
Dibenzenofuran
Concen: 46.583 ng
RT: 15.20 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

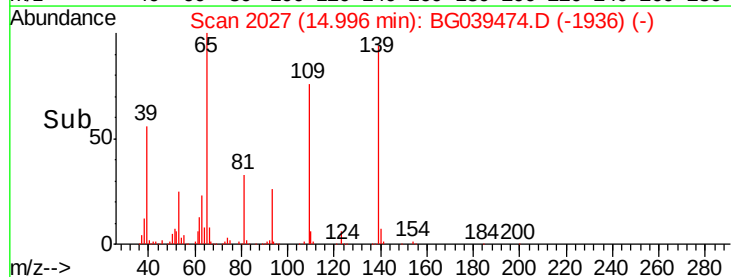
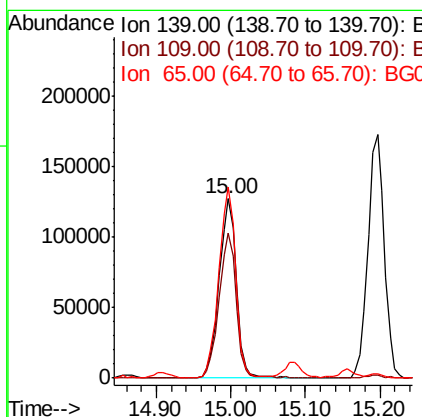
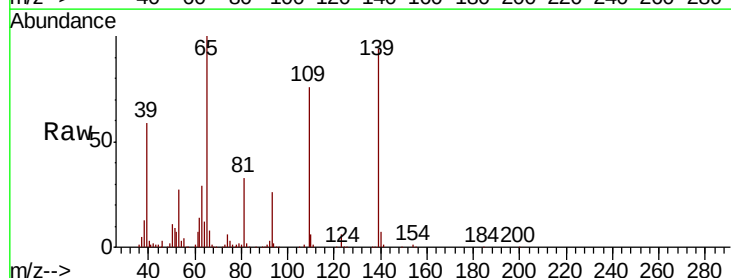
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

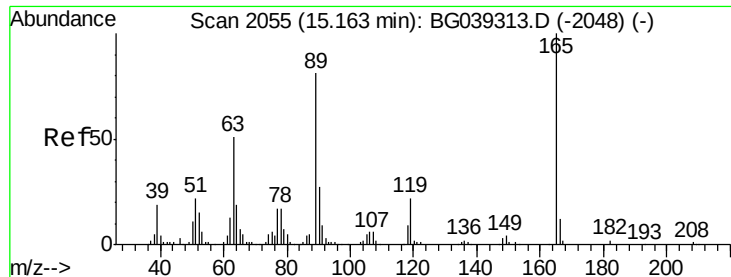
Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.5	30.1	45.1
169	13.9	10.6	16.0



#56
4-Nitrophenol
Concen: 91.809 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.3	61.9	101.9
65	106.8	99.1	139.1





#57

2,4-Dinitrotoluene

Concen: 60.333 ng

RT: 15.16 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:165 Resp: 182571

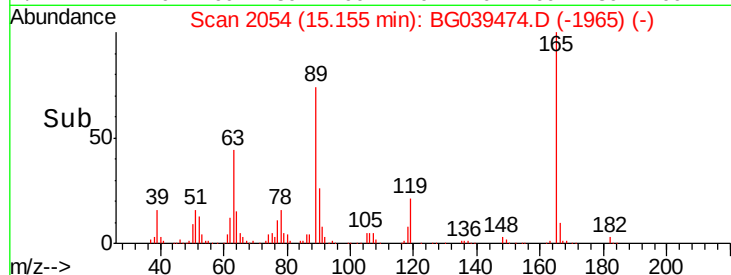
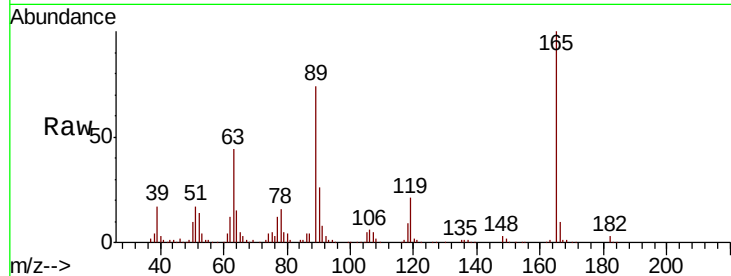
Ion Ratio Lower Upper

165 100

63 44.4 41.0 61.6

89 73.7 64.6 96.8

182 3.5 2.0 3.0#

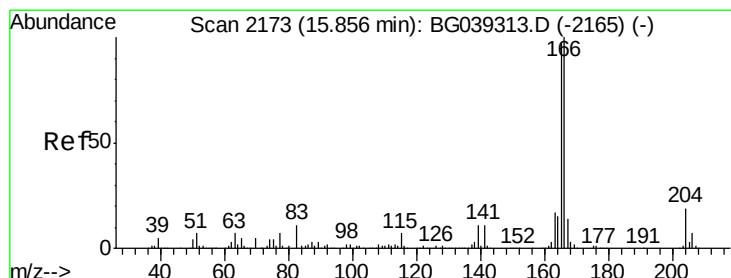
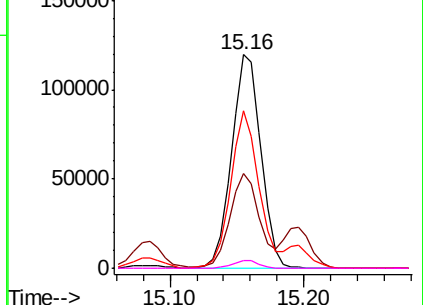


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 49.928 ng

RT: 15.84 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

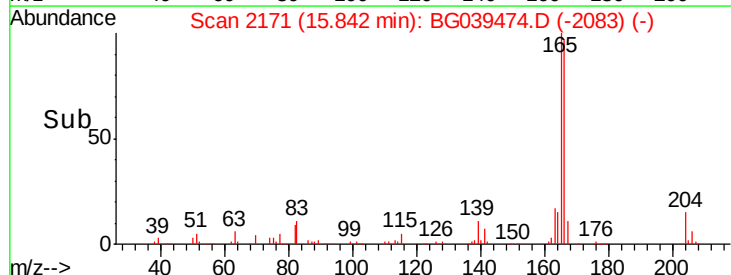
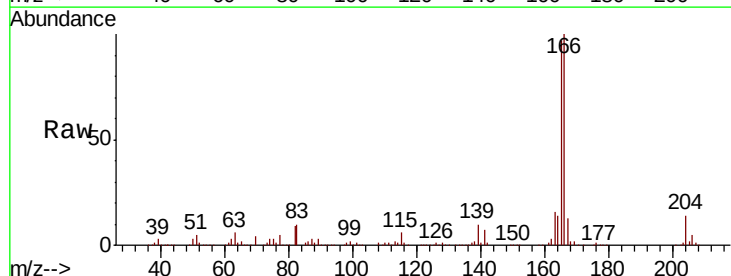
Tgt Ion:166 Resp: 550638

Ion Ratio Lower Upper

166 100

165 96.8 77.9 116.9

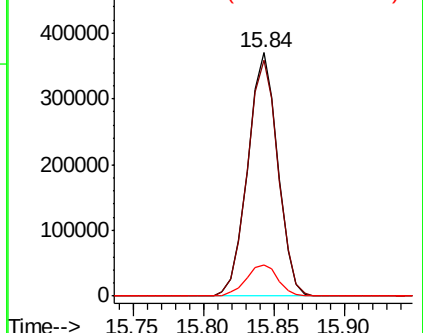
167 12.8 10.8 16.2

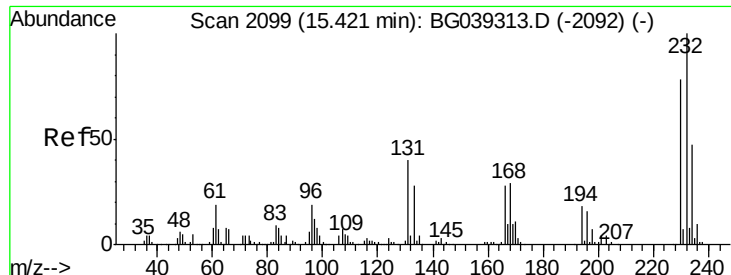


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

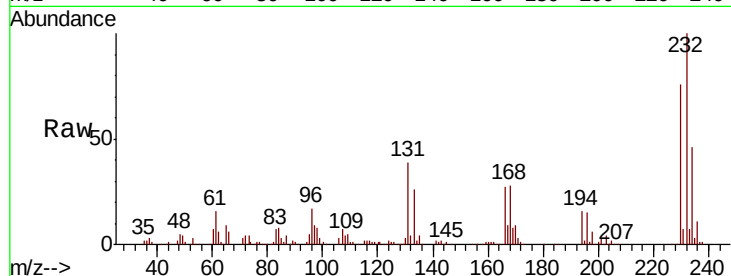




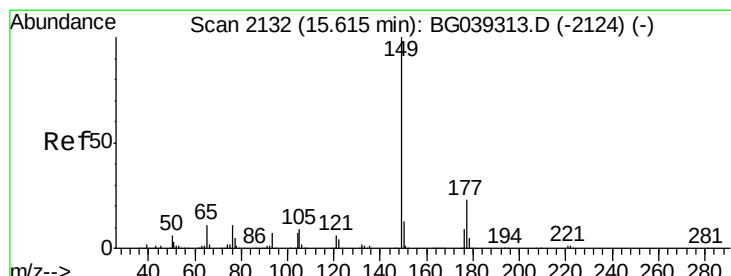
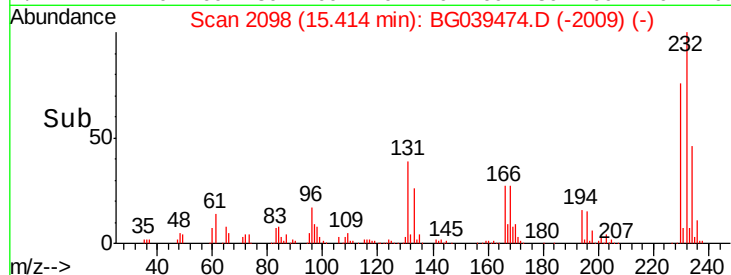
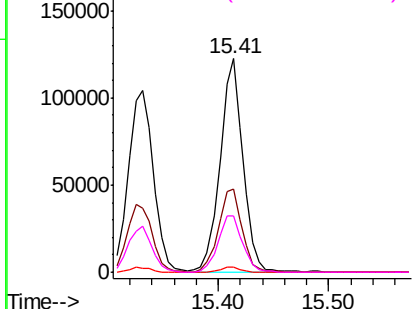
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 60.835 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion:	232	Resp:	175782
Ion	Ratio	Lower	Upper
232	100		
131	40.4	34.9	52.3
130	2.4	2.0	3.0
166	28.5	24.1	36.1

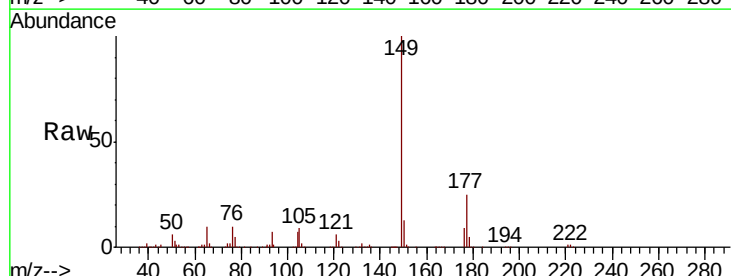


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

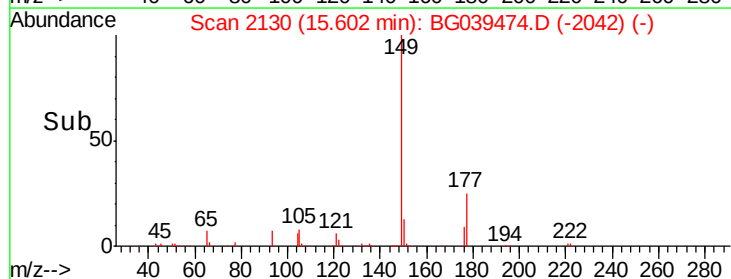
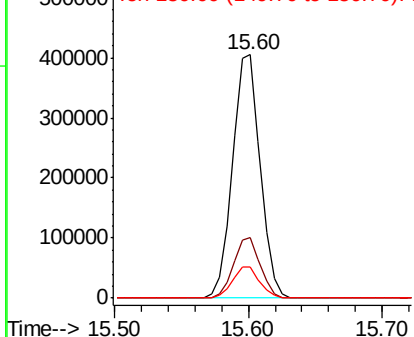


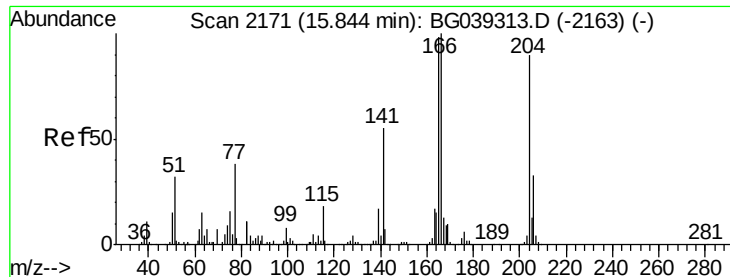
#60
 Diethylphthalate
 Concen: 46.189 ng
 RT: 15.60 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:	149	Resp:	580520
Ion	Ratio	Lower	Upper
149	100		
177	25.1	18.3	27.5
150	13.0	10.2	15.2



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

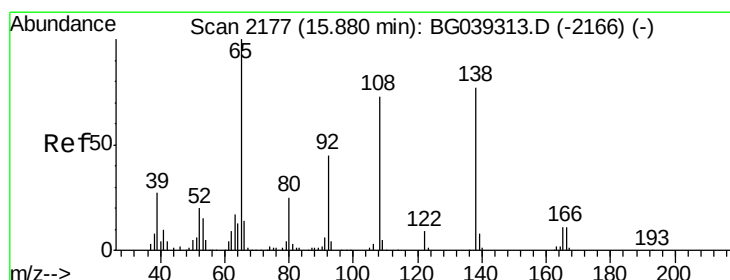
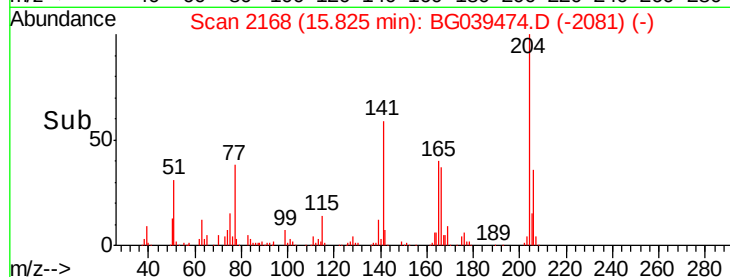
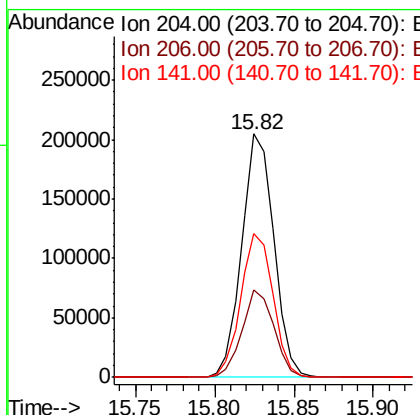
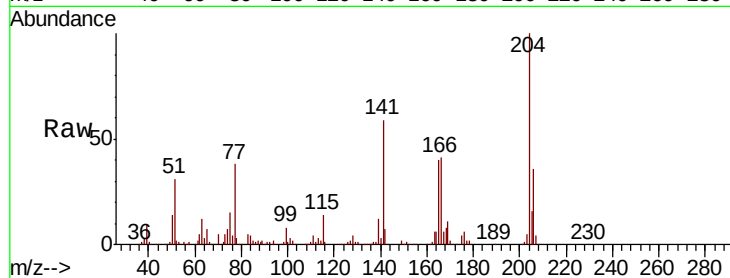




#61
 4-Chlorophenyl-phenylether
 Concen: 46.068 ng
 RT: 15.82 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

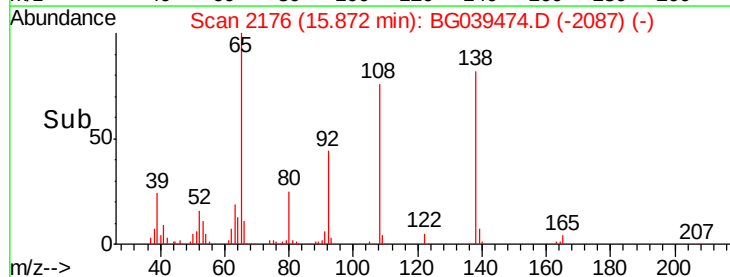
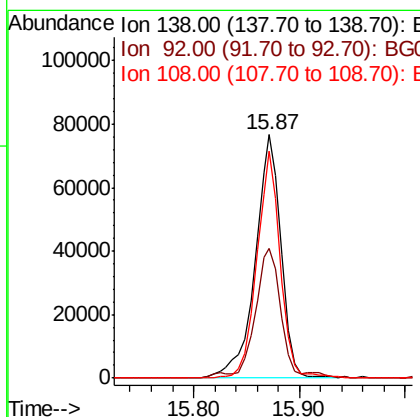
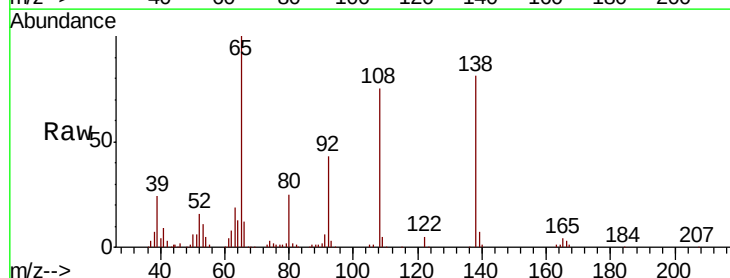
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

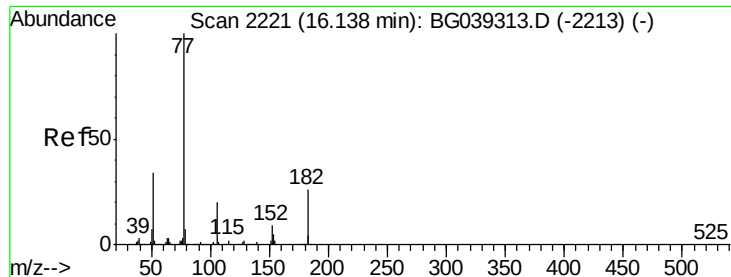
Tgt Ion: 204 Resp: 287683
 Ion Ratio Lower Upper
 204 100
 206 35.8 29.2 43.8
 141 58.9 49.0 73.4



#62
 4-Nitroaniline
 Concen: 50.665 ng
 RT: 15.87 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion: 138 Resp: 129801
 Ion Ratio Lower Upper
 138 100
 92 53.3 38.7 78.7
 108 93.1 74.6 114.6





#63

Azobenzene

Concen: 42.768 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion: 77 Resp: 525372

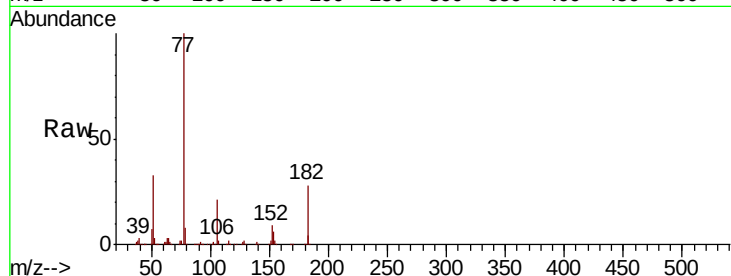
Ion Ratio Lower Upper

77 100

182 28.5 6.4 46.4

105 20.8 0.0 39.8

51 32.7 14.1 54.1

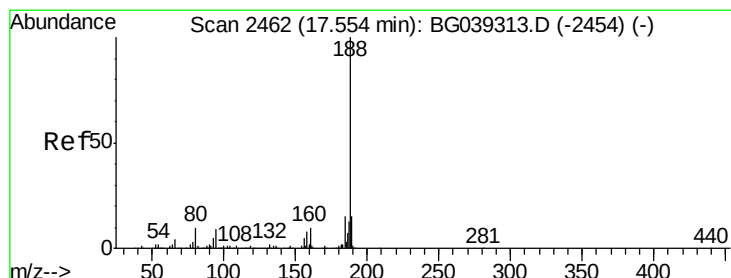
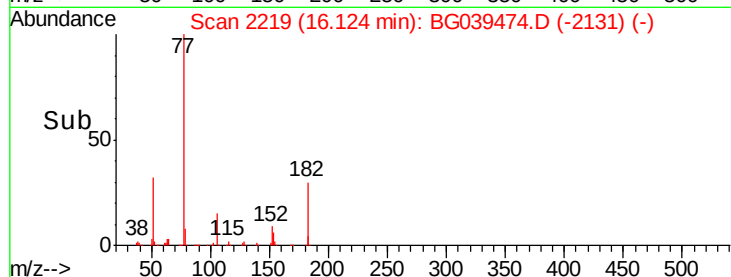
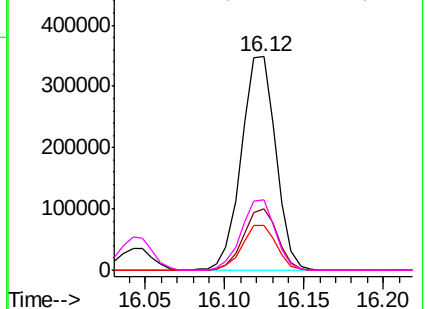


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

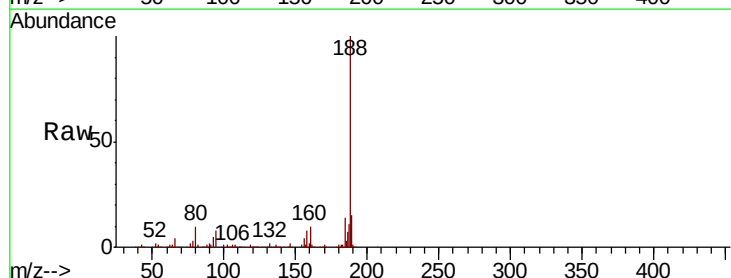
Tgt Ion: 188 Resp: 364153

Ion Ratio Lower Upper

188 100

94 8.1 6.9 10.3

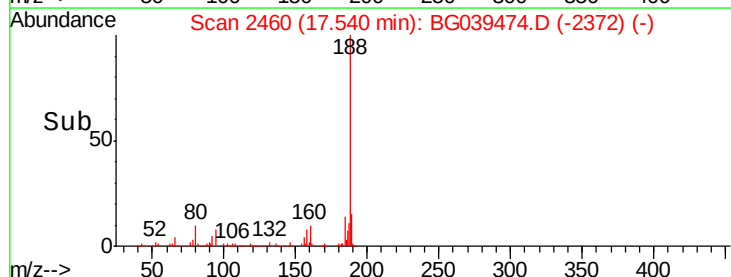
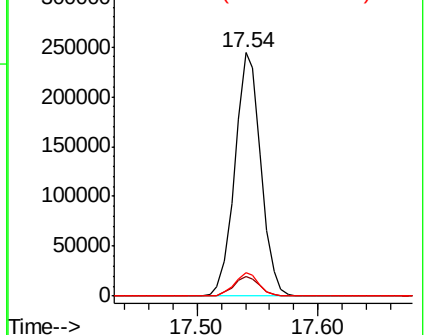
80 9.5 8.1 12.1

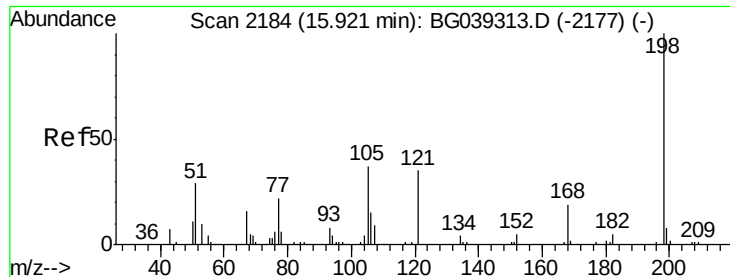


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

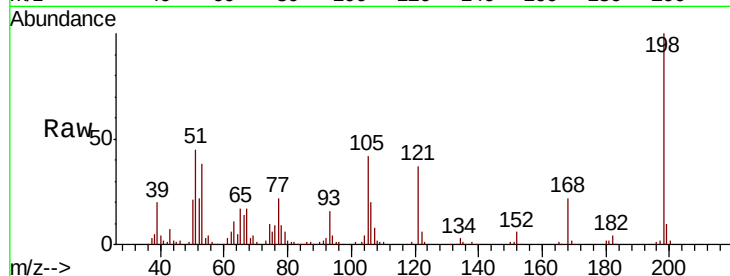




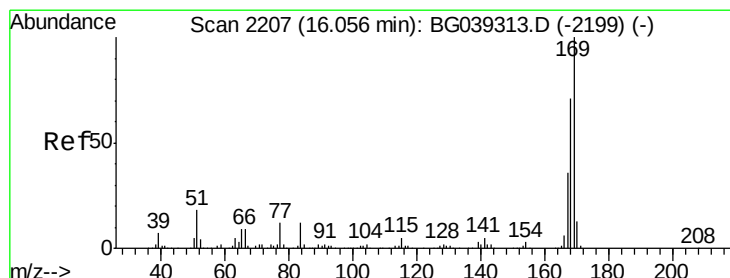
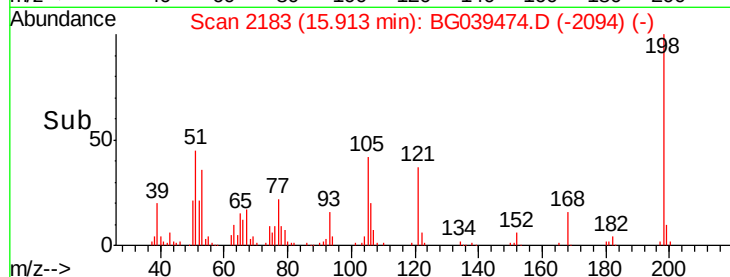
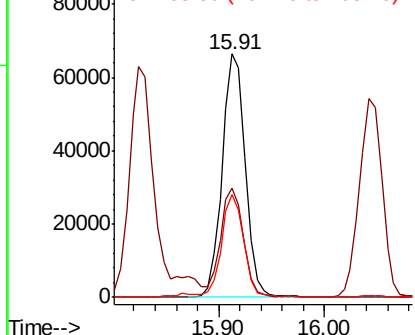
#65
 4,6-Dinitro-2-methylphenol
 Concen: 62.563 ng
 RT: 15.91 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion:198 Resp: 100498
 Ion Ratio Lower Upper
 198 100
 51 45.1 27.4 67.4
 105 42.1 19.7 59.7

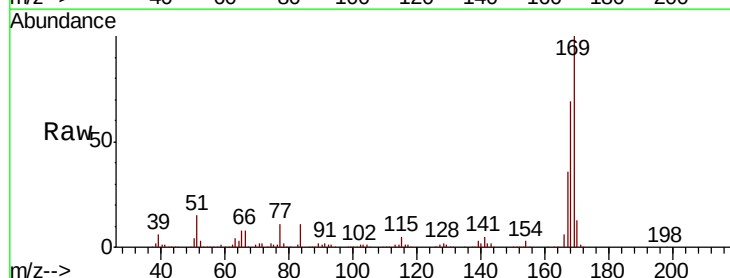


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

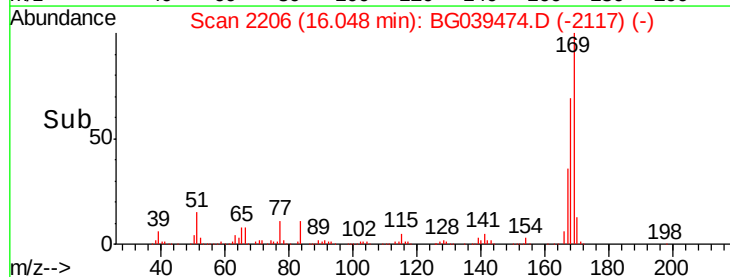
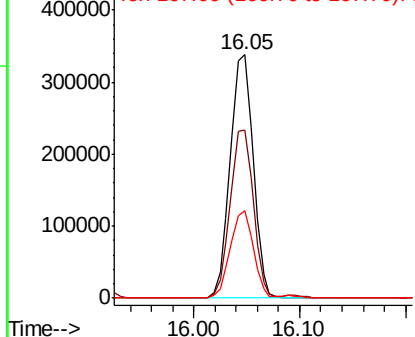


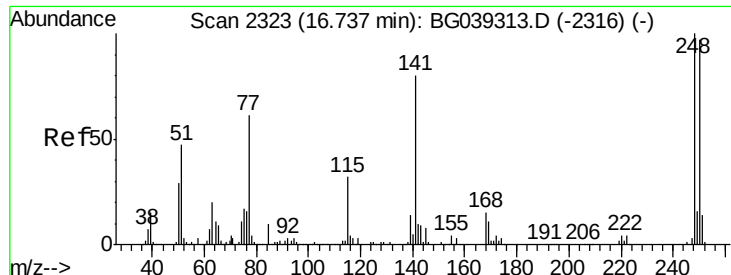
#66
 n-Nitrosodiphenylamine
 Concen: 45.868 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion:169 Resp: 507881
 Ion Ratio Lower Upper
 169 100
 168 68.9 56.6 85.0
 167 36.1 28.8 43.2



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

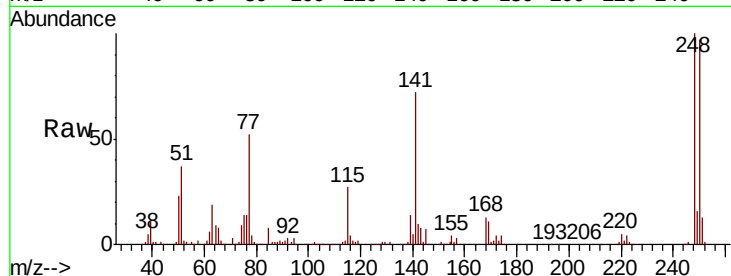




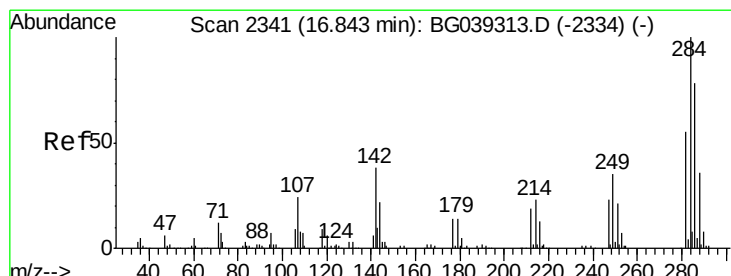
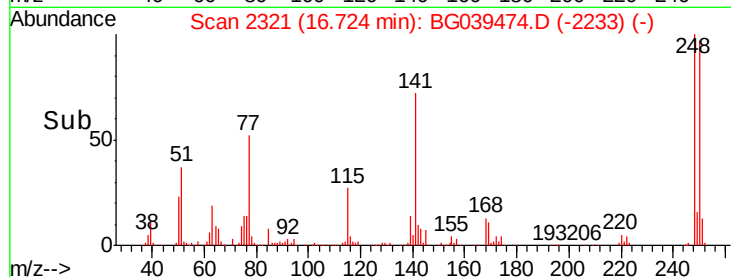
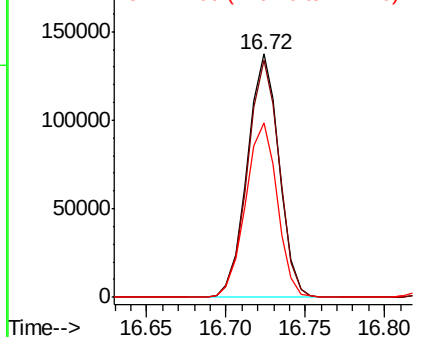
#67
 4-Bromophenyl-phenylether
 Concen: 47.330 ng
 RT: 16.72 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.6	116.4
141	71.7	63.9	95.9

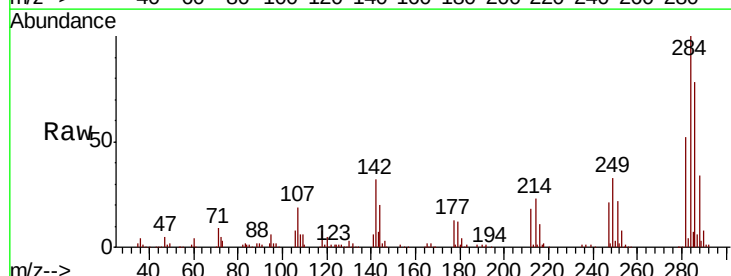


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

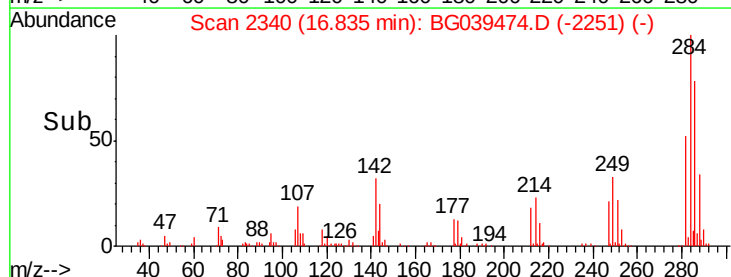
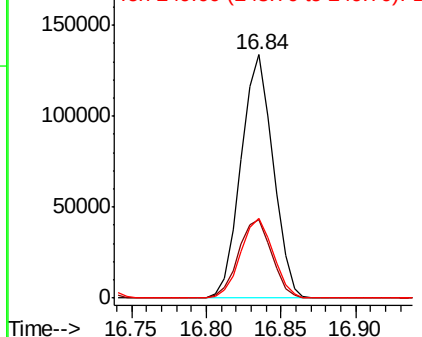


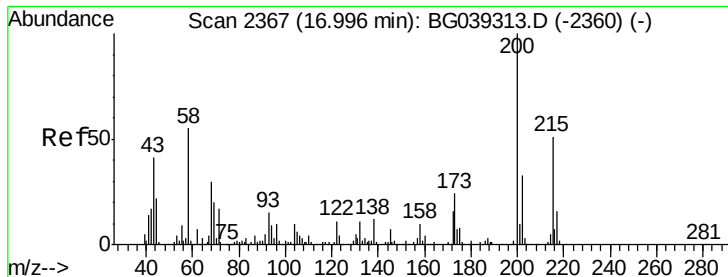
#68
 Hexachlorobenzene
 Concen: 49.170 ng
 RT: 16.84 min Scan# 2340
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	30.6	45.8
249	32.7	28.2	42.2



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





#69

Atrazine

Concen: 46.450 ng

RT: 16.99 min Scan# 2366

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

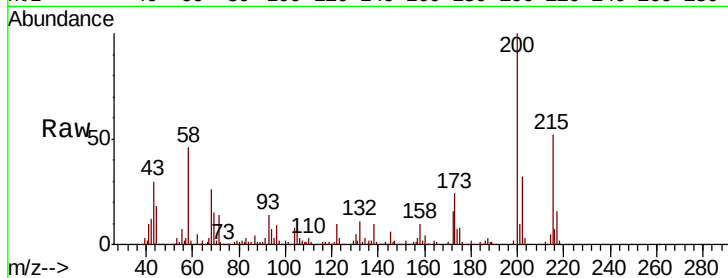
Tgt Ion:200 Resp: 187956

Ion Ratio Lower Upper

200 100

173 24.4 3.9 43.9

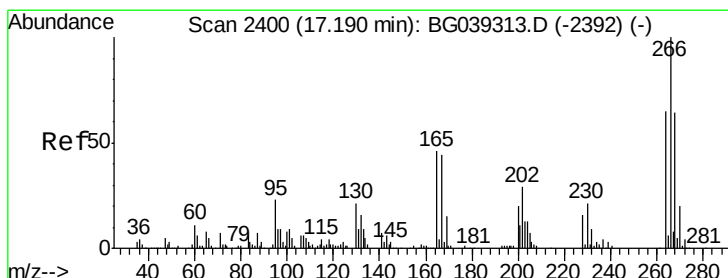
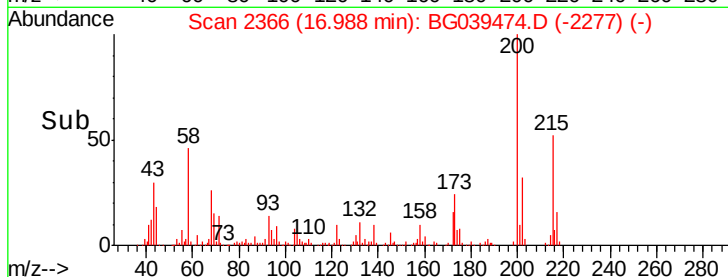
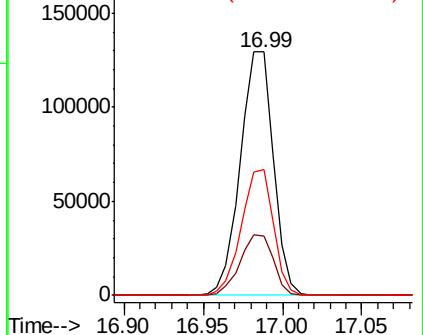
215 51.9 30.9 70.9



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 91.507 ng

RT: 17.18 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

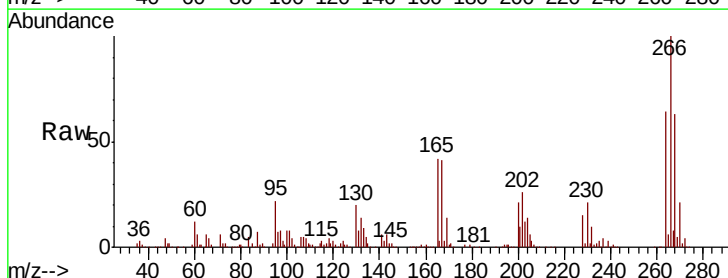
Tgt Ion:266 Resp: 257781

Ion Ratio Lower Upper

266 100

268 62.6 51.1 76.7

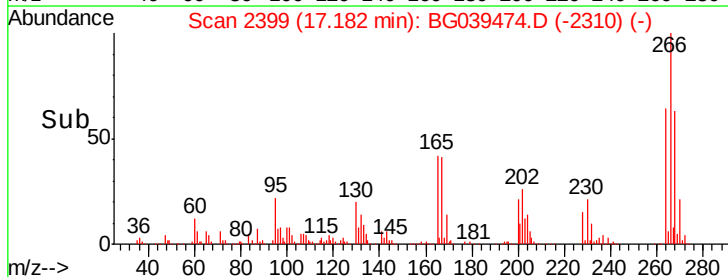
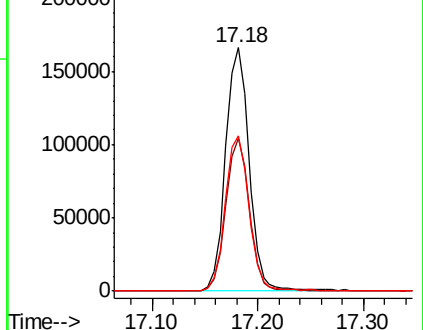
264 63.9 52.1 78.1

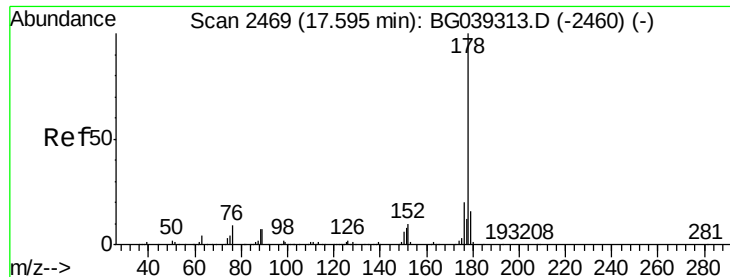


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

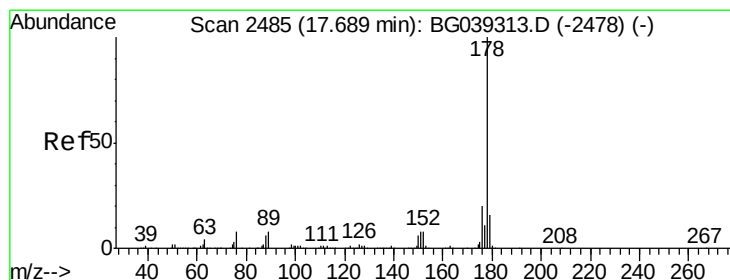
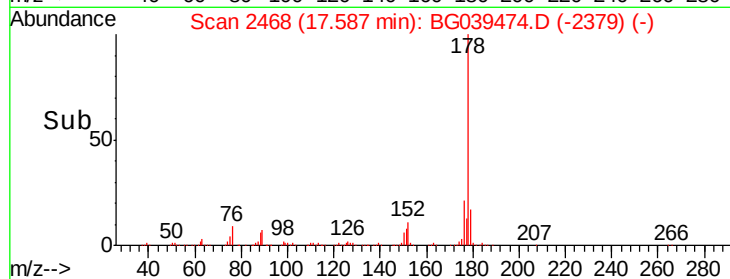
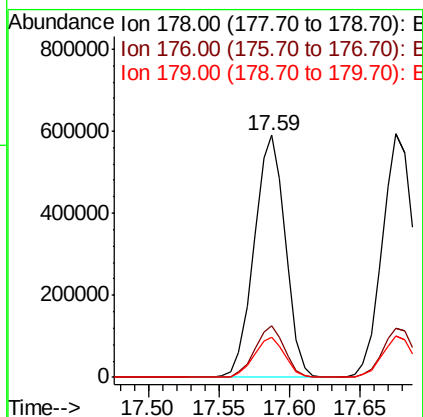
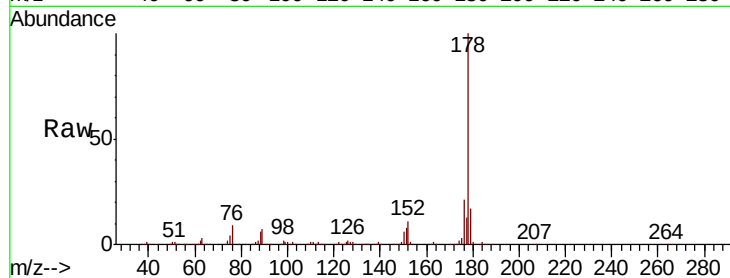




#71
Phenanthrene
Concen: 48.530 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

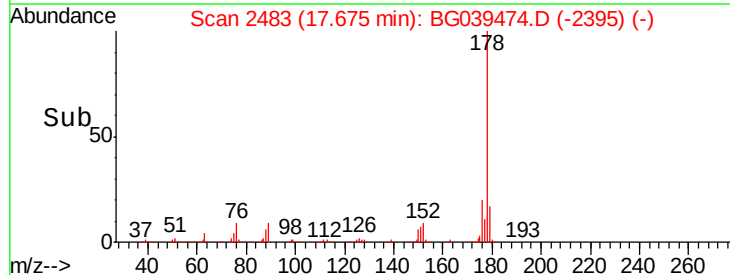
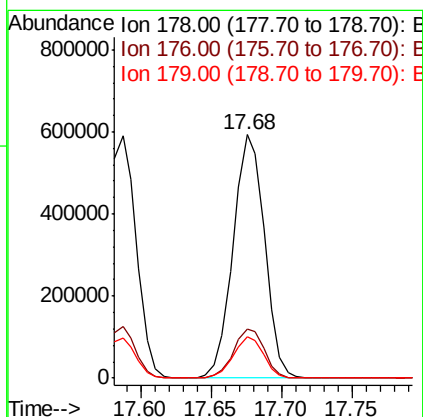
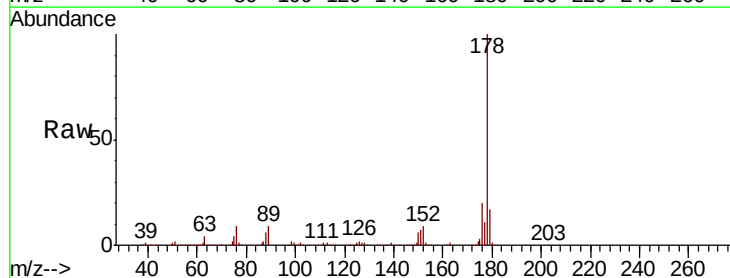
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

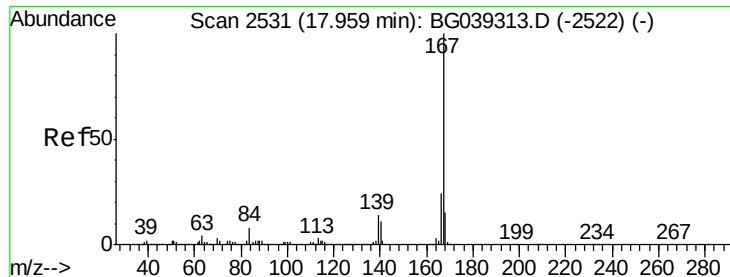
Tgt Ion:178 Resp: 914673
Ion Ratio Lower Upper
178 100
176 21.1 16.2 24.4
179 16.6 12.6 19.0



#72
Anthracene
Concen: 49.556 ng
RT: 17.68 min Scan# 2483
Delta R.T. -0.01 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:178 Resp: 920003
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.6
179 17.1 12.5 18.7

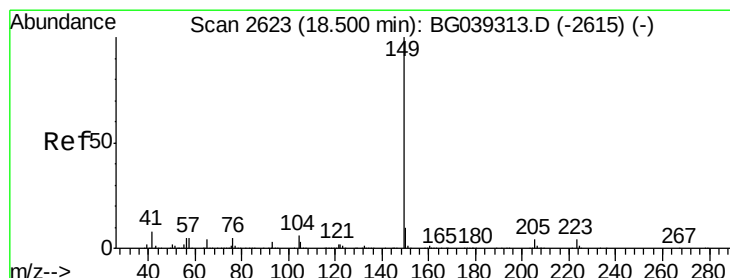
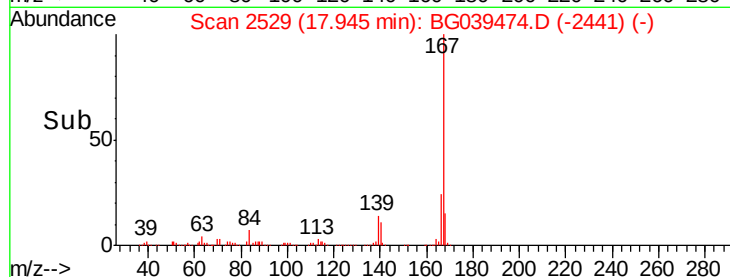
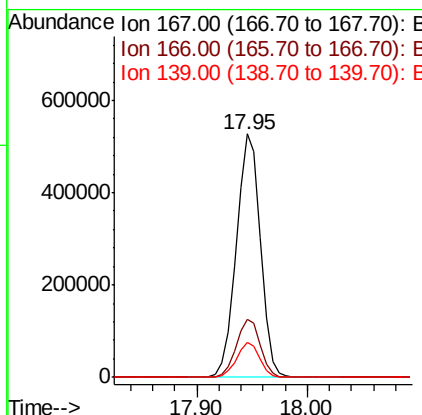
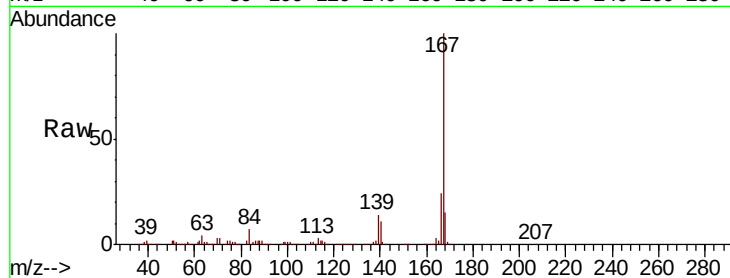




#73
 Carbazole
 Concen: 43.546 ng
 RT: 17.95 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

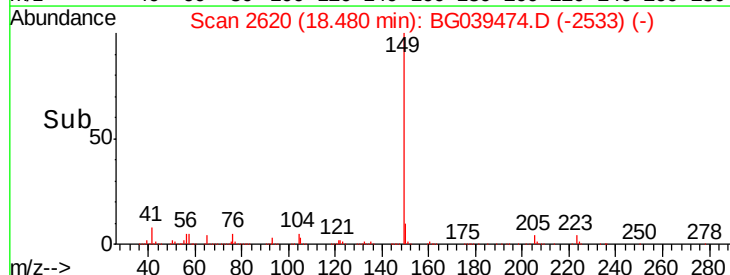
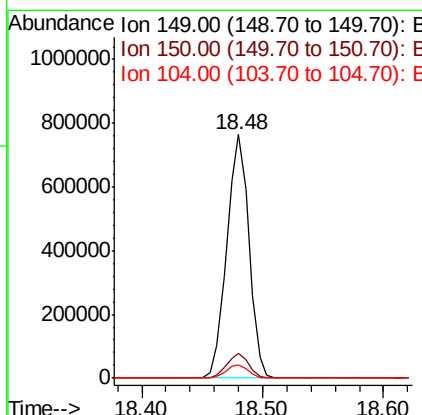
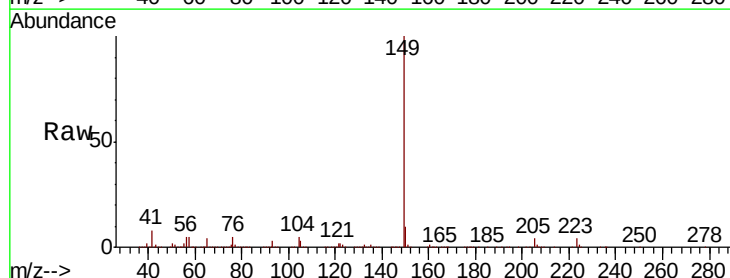
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MS

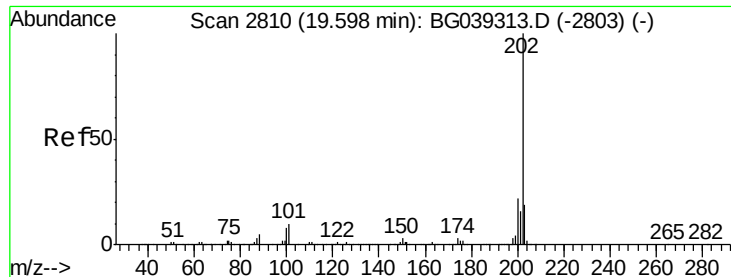
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.9	19.4	29.2
139	14.3	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 45.029 ng
 RT: 18.48 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BG039474.D
 Acq: 12 Feb 2019 21:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.4	4.5	6.7





#75

Fluoranthene

Concen: 48.815 ng

RT: 19.58 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

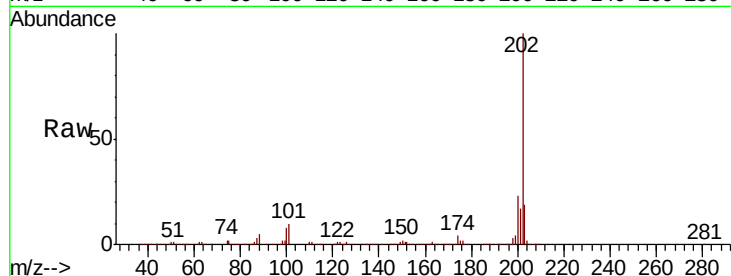
Tgt Ion:202 Resp: 1067879

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.0

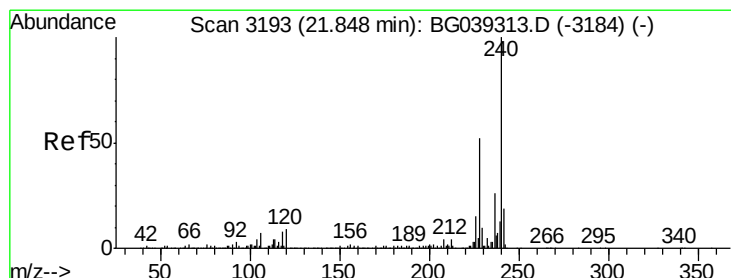
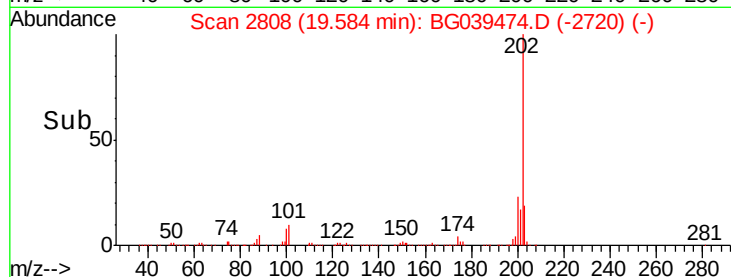
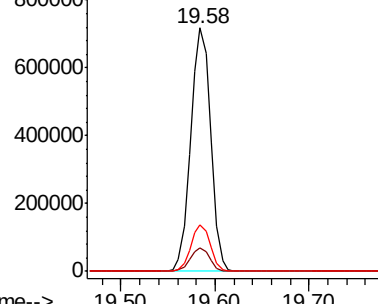
203 19.2 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

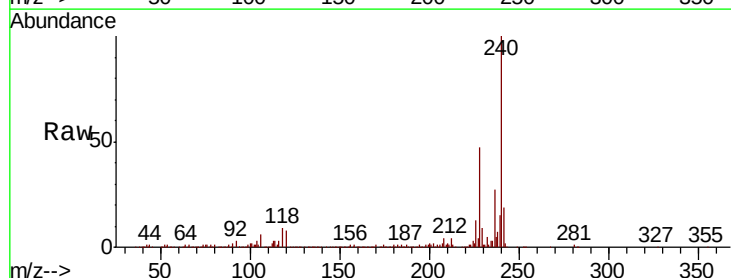
Tgt Ion:240 Resp: 361807

Ion Ratio Lower Upper

240 100

120 7.9 7.0 10.6

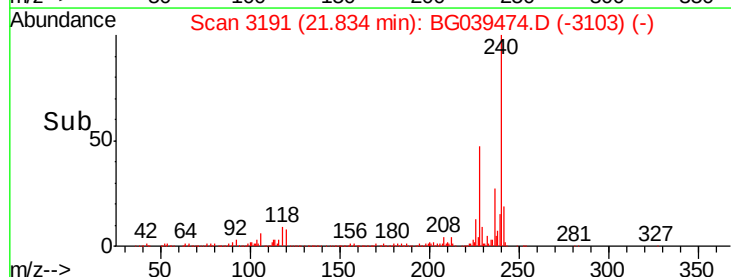
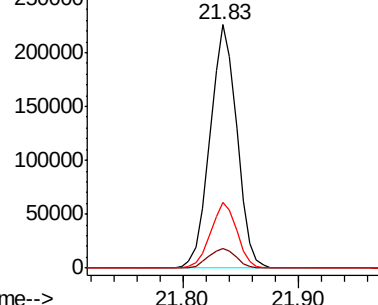
236 26.9 21.0 31.4

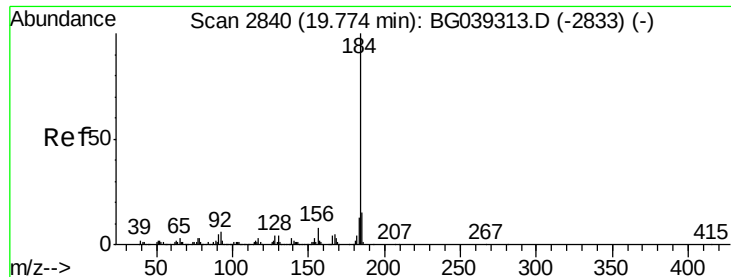


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 8.425 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

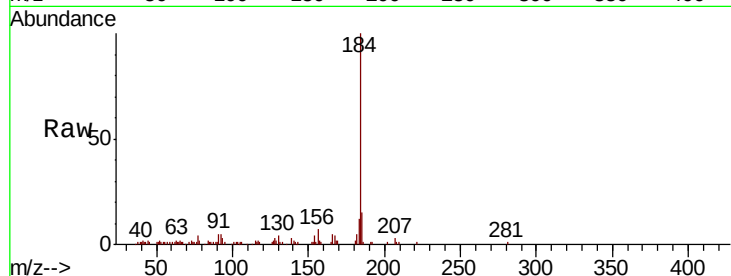
Tgt Ion:184 Resp: 99939

Ion Ratio Lower Upper

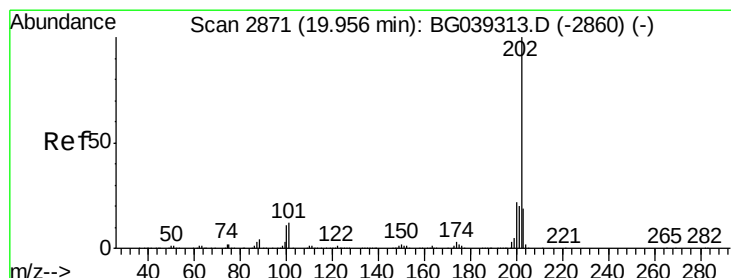
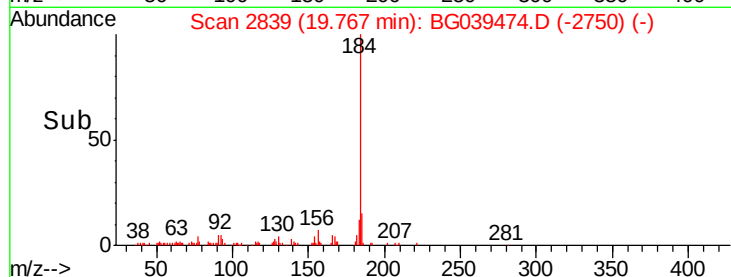
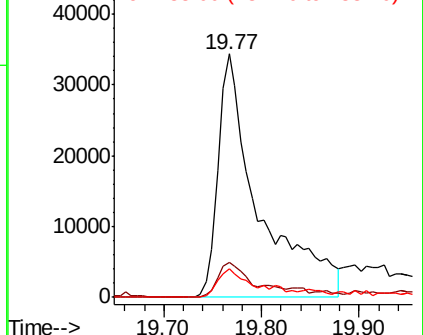
184 100

185 14.6 12.2 18.2

183 11.8 10.6 15.8



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



#78

Pyrene

Concen: 47.586 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

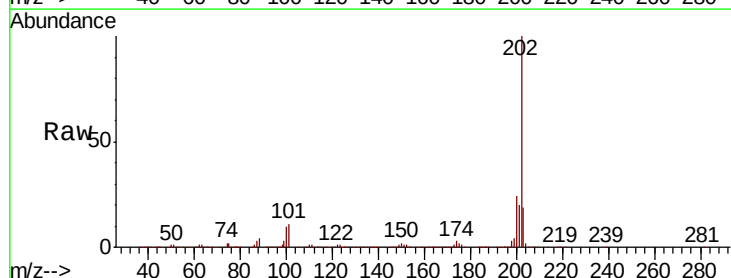
Tgt Ion:202 Resp: 1071802

Ion Ratio Lower Upper

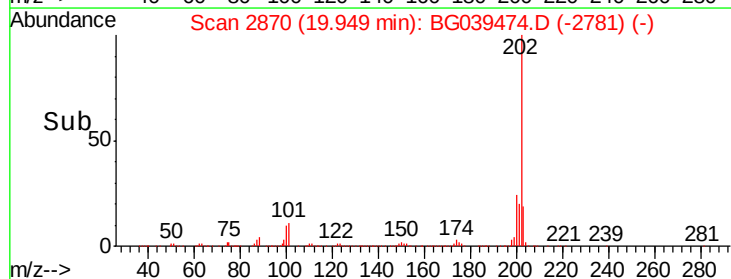
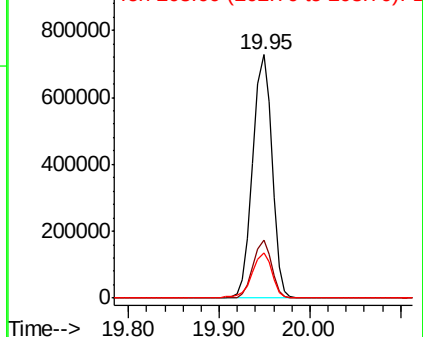
202 100

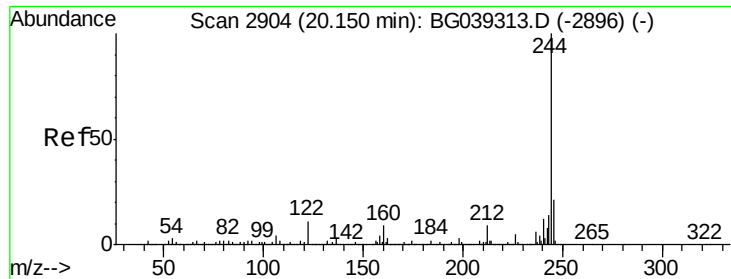
200 23.8 17.8 26.8

203 18.7 15.3 22.9



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





#79

Terphenyl-d14

Concen: 91.644 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

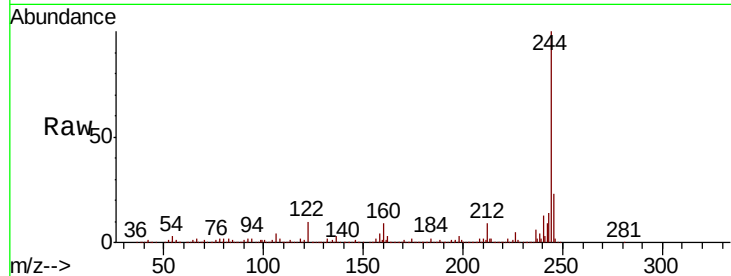
Tgt Ion:244 Resp: 1566484

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

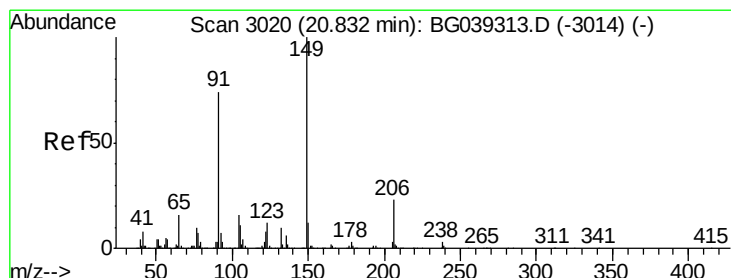
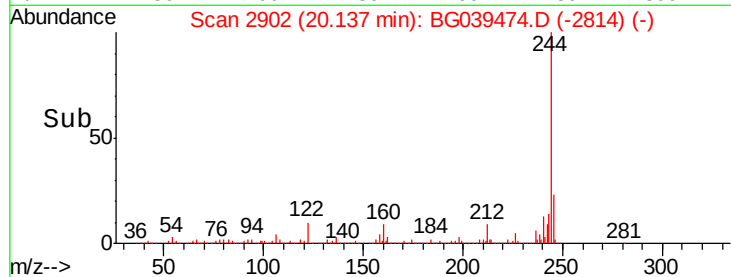
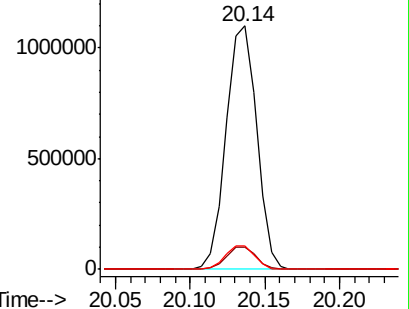
122 9.8 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.540 ng

RT: 20.82 min Scan# 3018

Delta R.T. -0.01 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

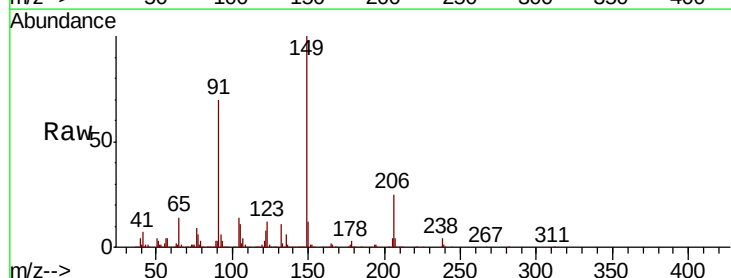
Tgt Ion:149 Resp: 461191

Ion Ratio Lower Upper

149 100

91 70.0 59.5 89.3

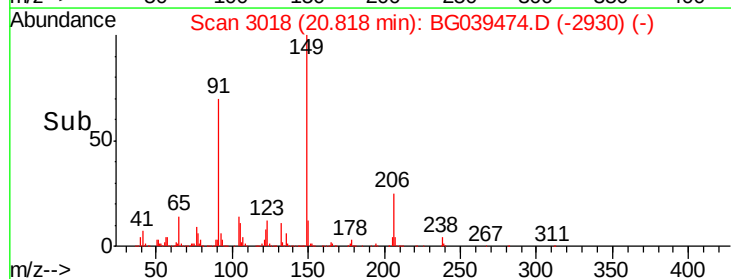
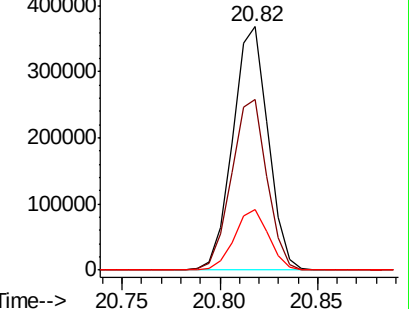
206 25.0 18.6 27.8

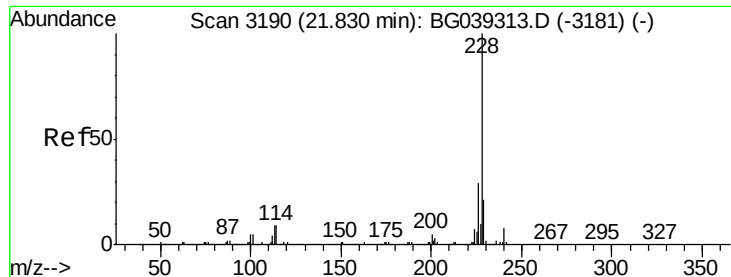


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.602 ng

RT: 21.81 min Scan# 3187

Delta R.T. -0.02 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

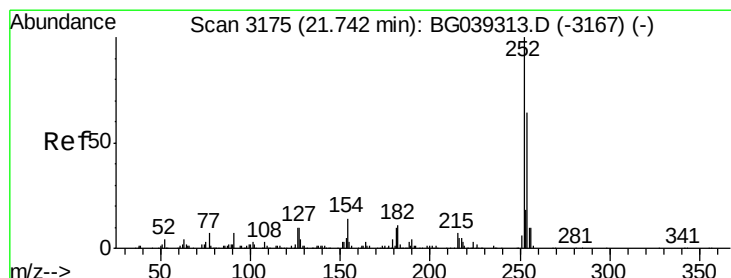
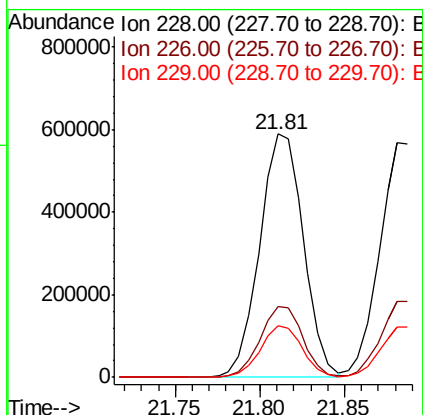
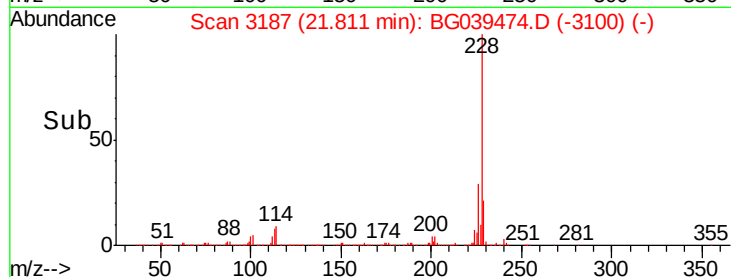
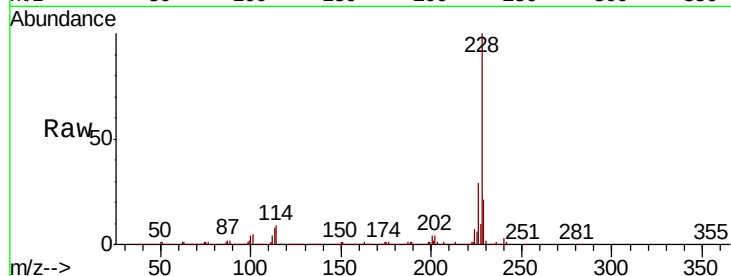
Tgt Ion:228 Resp: 1060446

Ion Ratio Lower Upper

228 100

226 29.0 23.0 34.6

229 20.9 16.9 25.3



#82

3,3'-Dichlorobenzidine

Concen: 21.391 ng

RT: 21.72 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

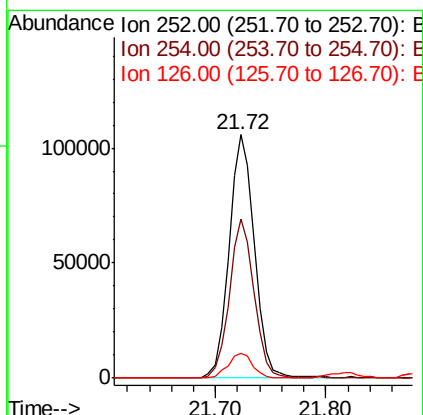
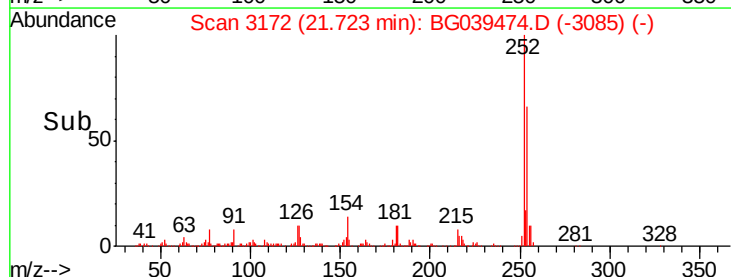
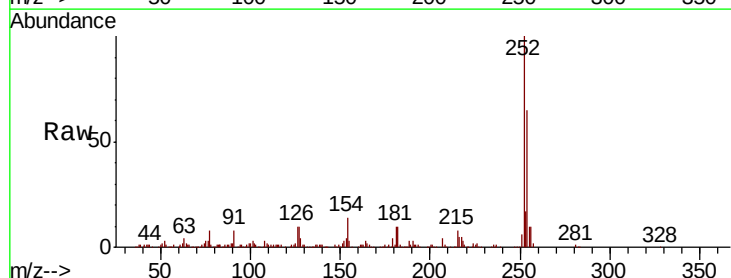
Tgt Ion:252 Resp: 169573

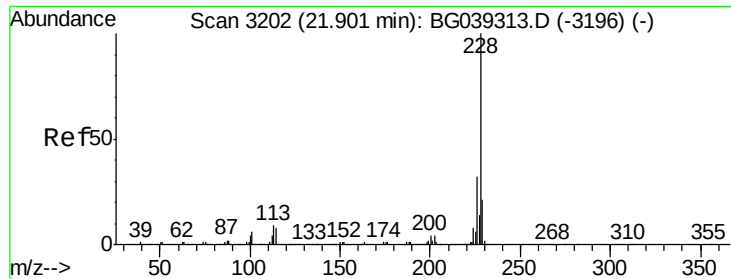
Ion Ratio Lower Upper

252 100

254 65.5 51.3 76.9

126 10.1 8.0 12.0





#83

Chrysene

Concen: 48.683 ng

RT: 21.88 min Scan# 3199

Delta R.T. -0.02 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

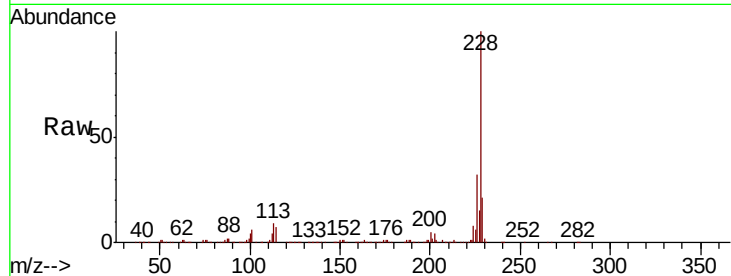
Tgt Ion:228 Resp: 990774

Ion Ratio Lower Upper

228 100

226 32.4 25.8 38.6

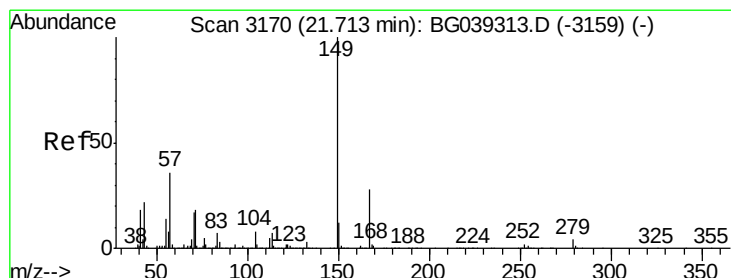
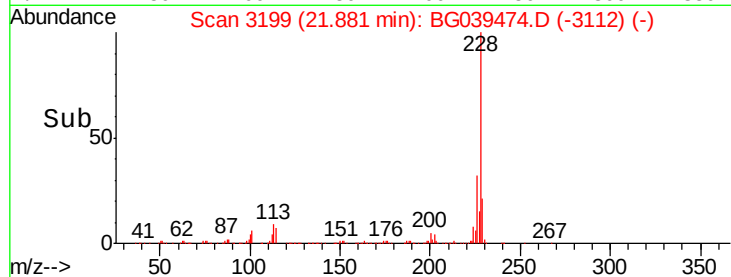
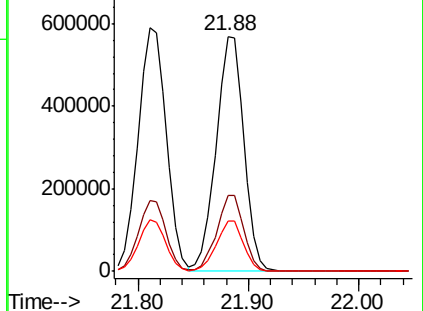
229 21.4 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.511 ng

RT: 21.68 min Scan# 3165

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

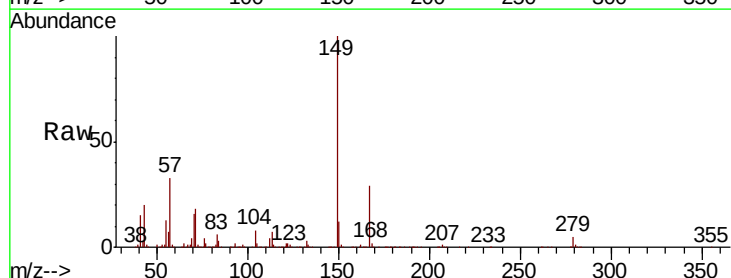
Tgt Ion:149 Resp: 630448

Ion Ratio Lower Upper

149 100

167 28.8 22.6 34.0

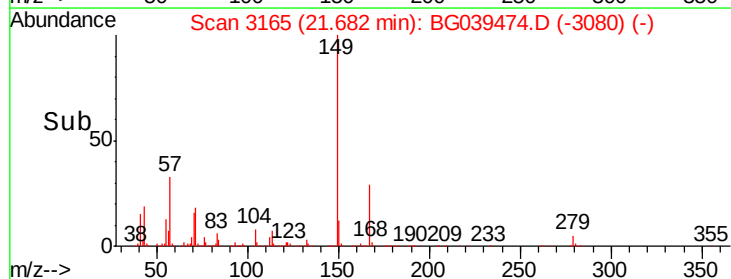
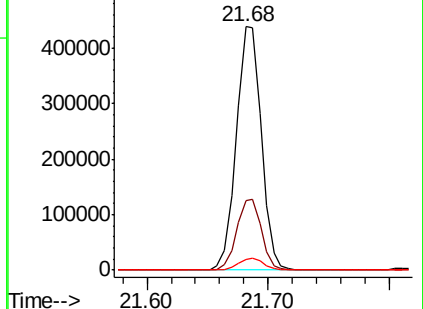
279 4.5 3.5 5.3

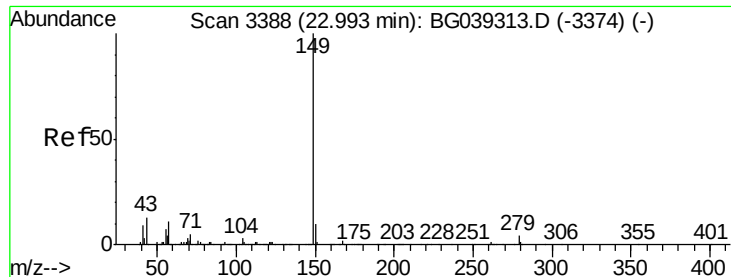


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

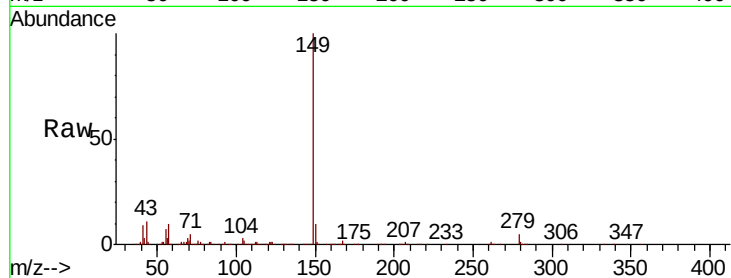




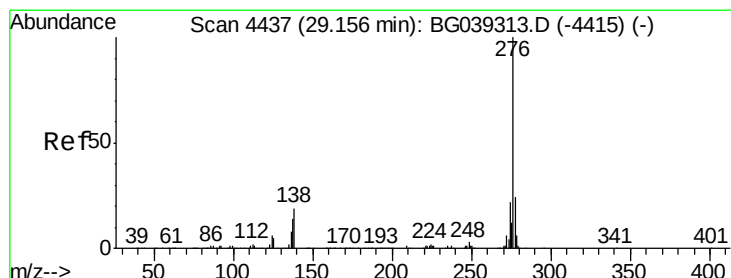
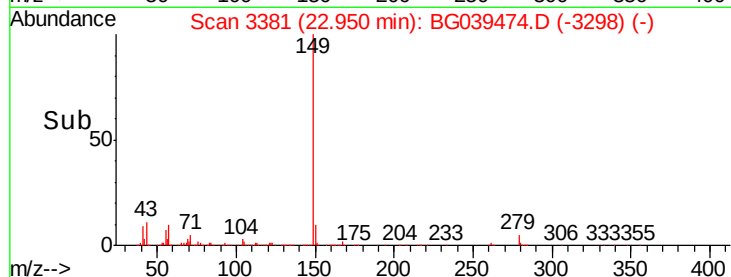
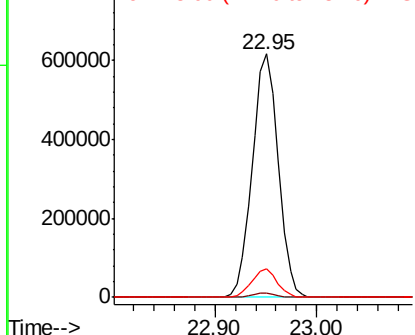
#85
Di-n-octyl phthalate
Concen: 48.847 ng
RT: 22.95 min Scan# 3381
Delta R.T. -0.04 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:149 Resp: 1093868
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 11.2 10.2 15.4

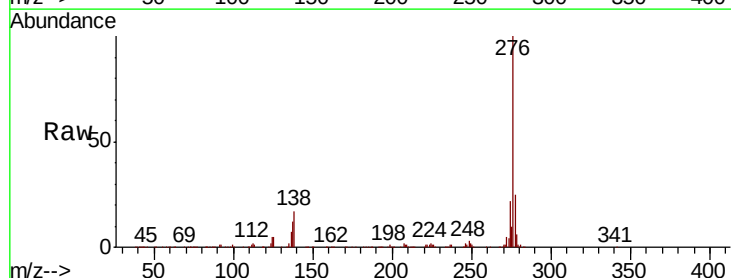


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC

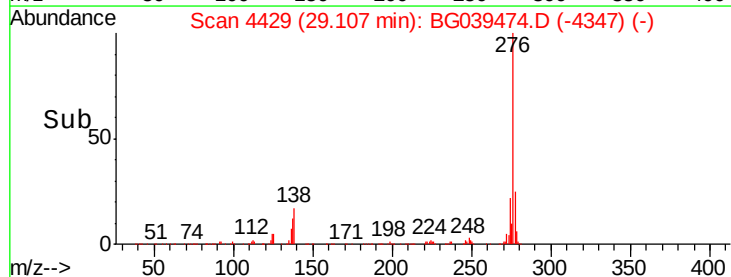
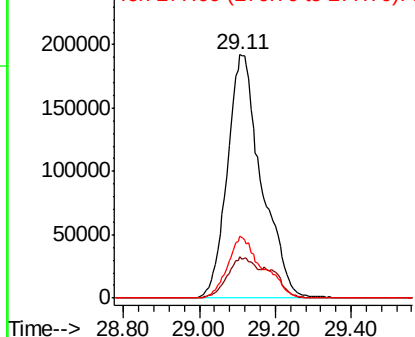


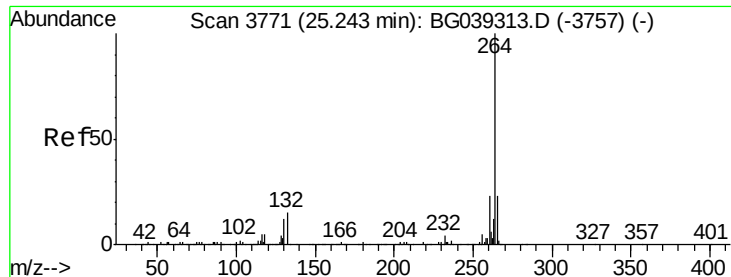
#86
Indeno(1,2,3-cd)pyrene
Concen: 55.386 ng
RT: 29.11 min Scan# 4429
Delta R.T. -0.05 min
Lab File: BG039474.D
Acq: 12 Feb 2019 21:52

Tgt Ion:276 Resp: 1209363
Ion Ratio Lower Upper
276 100
138 14.0 12.6 19.0
277 25.9 20.8 31.2



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





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

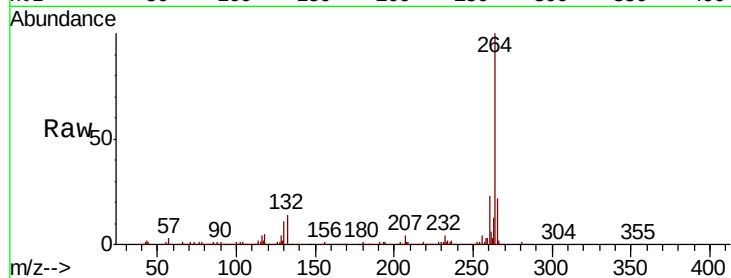
Tgt Ion:264 Resp: 376720

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

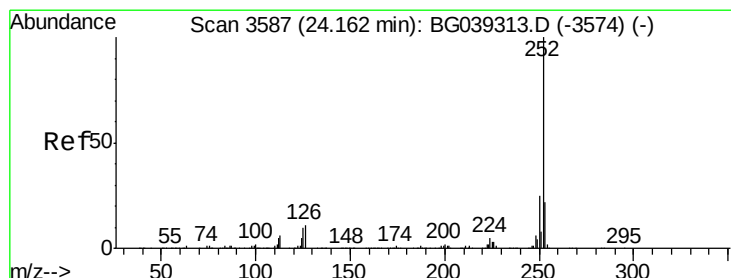
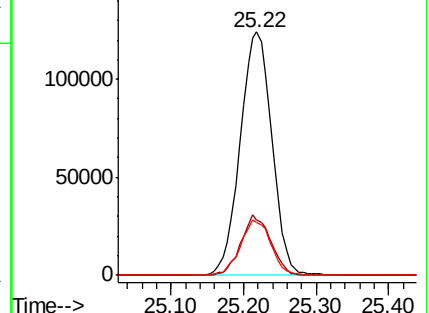
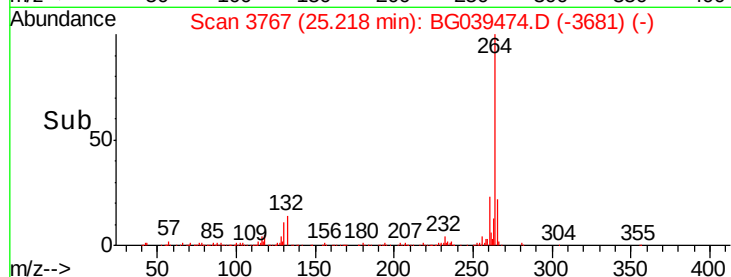
265 21.8 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 51.341 ng

RT: 24.13 min Scan# 3582

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

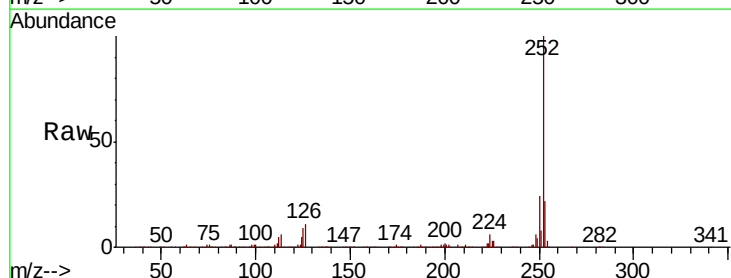
Tgt Ion:252 Resp: 1054790

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

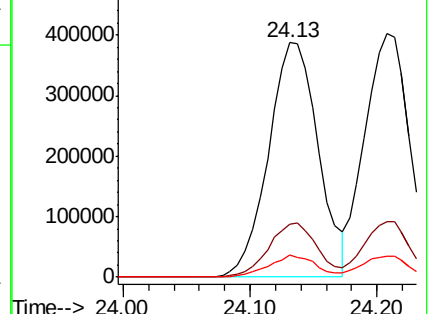
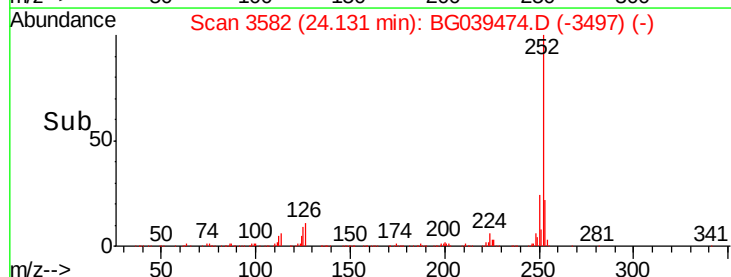
125 9.4 7.8 11.6

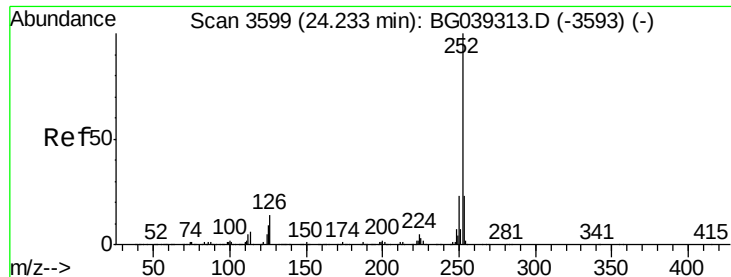


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 47.961 ng

RT: 24.21 min Scan# 3595

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

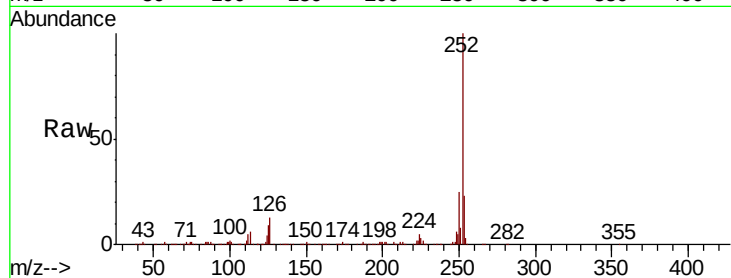
Tgt Ion:252 Resp: 989257

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

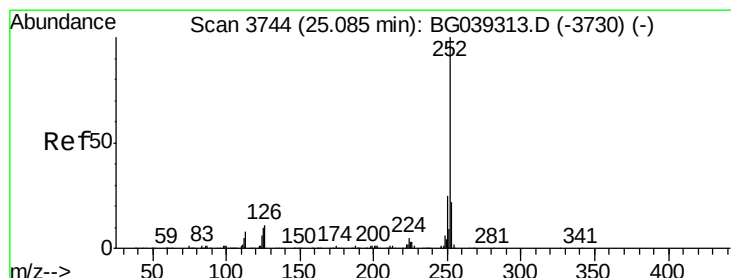
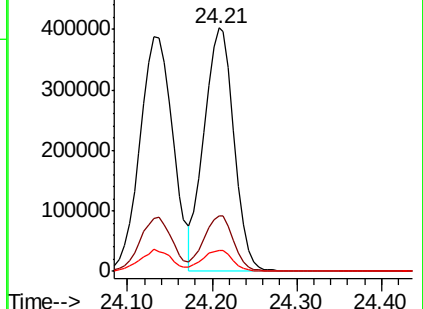
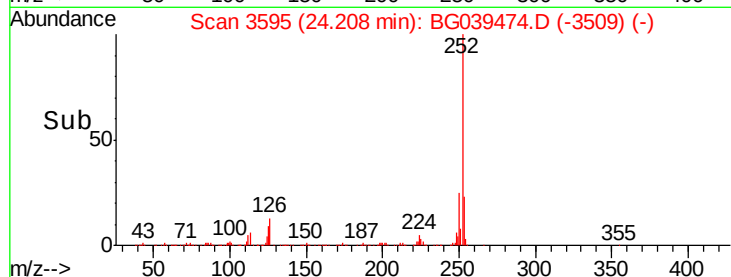
125 8.8 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 51.198 ng

RT: 25.06 min Scan# 3740

Delta R.T. -0.03 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

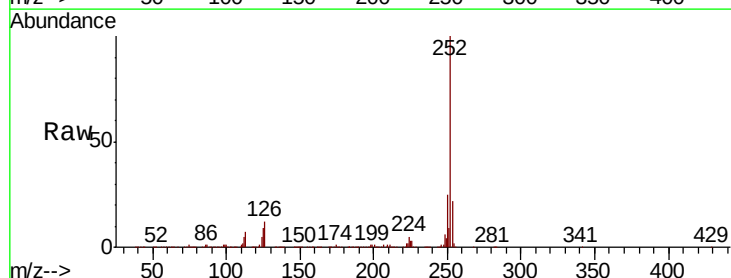
Tgt Ion:252 Resp: 1013002

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

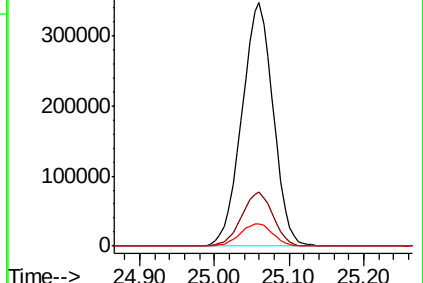
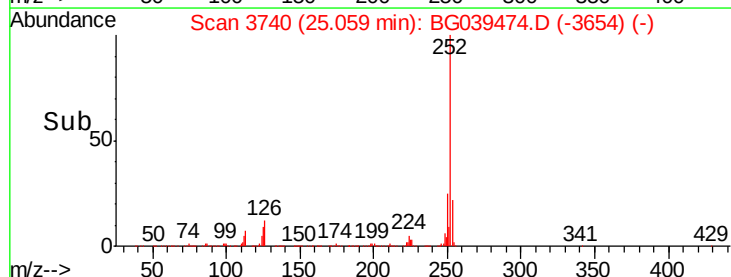
125 9.3 8.3 12.5

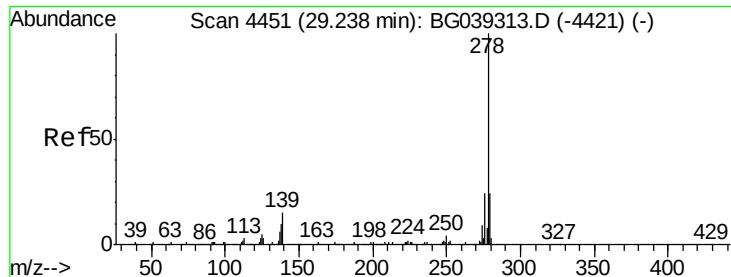


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 52.507 ng

RT: 29.19 min Scan# 4443

Delta R.T. -0.05 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MS

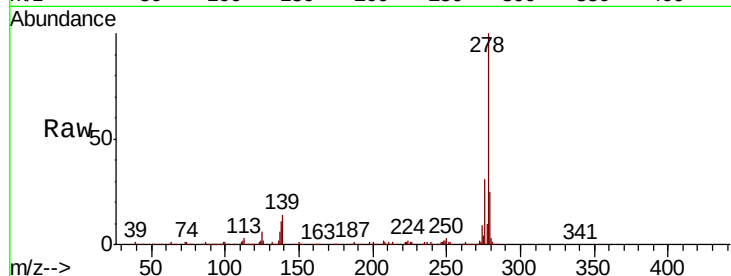
Tgt Ion:278 Resp: 972930

Ion Ratio Lower Upper

278 100

139 13.6 11.7 17.5

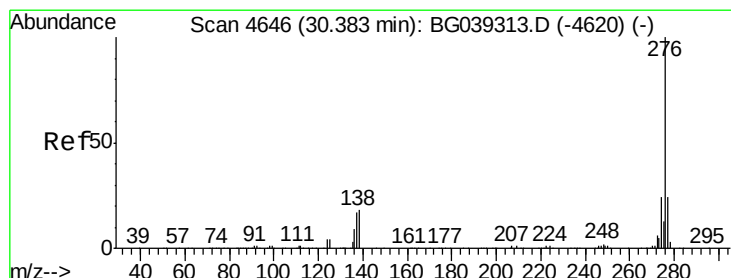
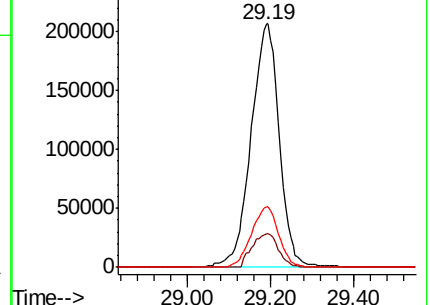
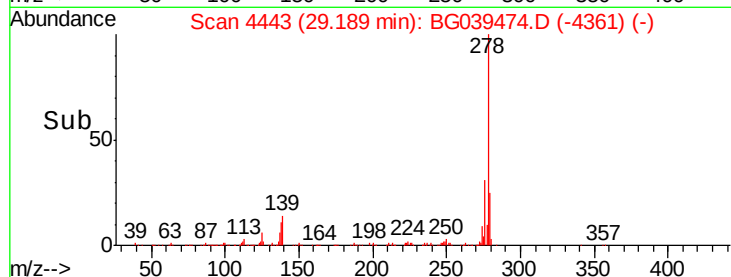
279 25.0 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 53.742 ng

RT: 30.34 min Scan# 4639

Delta R.T. -0.04 min

Lab File: BG039474.D

Acq: 12 Feb 2019 21:52

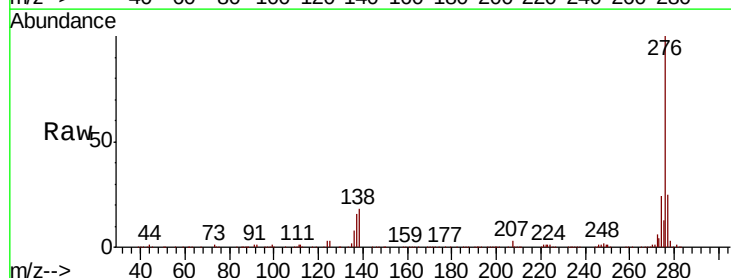
Tgt Ion:276 Resp: 992558

Ion Ratio Lower Upper

276 100

277 24.9 19.6 29.4

138 18.1 14.7 22.1



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

