

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021219\
 Data File : BG039475.D
 Acq On : 12 Feb 2019 22:32
 Operator : JU/SJ
 Sample : K1457-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Quant Time: Feb 13 00:36:57 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	51726	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	232433	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	161881	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	364389	20.00	ng	0.00
76) Chrysene-d12	21.84	240	355921	20.00	ng	0.00
87) Perylene-d12	25.22	264	372209	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.71	112	490258	162.22	ng	0.00
7) Phenol-d6	7.32	99	655661	147.38	ng	0.00
23) Nitrobenzene-d5	9.36	82	472368	126.96	ng	0.00
42) 2,4,6-Tribromophenol	16.29	330	312358	179.19	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	1115817	98.88	ng	-0.01
79) Terphenyl-d14	20.14	244	1663728	98.94	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.62	88	46729	35.347	ng	# 1
3) Pyridine	4.02	79	130811	37.373	ng	95
4) n-Nitrosodimethylamine	3.93	42	74535	42.580	ng	85
6) Aniline	7.50	93	74003	13.280	ng	95
8) 2-Chlorophenol	7.73	128	175699	53.184	ng	96
9) Benzaldehyde	7.31	77	79391	34.298	ng	92
10) Phenol	7.34	94	204292	44.053	ng	98
11) bis(2-Chloroethyl)ether	7.59	93	173797	47.429	ng	95
12) 1,3-Dichlorobenzene	8.06	146	173919	43.458	ng	96
13) 1,4-Dichlorobenzene	8.21	146	177826	44.580	ng	97
14) 1,2-Dichlorobenzene	8.53	146	173777	45.002	ng	99
15) Benzyl Alcohol	8.41	79	180053	51.553	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.69	45	333565	40.310	ng	100
17) 2-Methylphenol	8.60	107	157021	52.323	ng	97
18) Hexachloroethane	9.26	117	64408	46.933	ng	98
19) n-Nitroso-di-n-propylamine	8.98	70	148707	47.097	ng	96
20) 3+4-Methylphenols	8.93	107	215719	52.200	ng	96
22) Acetophenone	9.00	105	286020	45.811	ng	# 94
24) Nitrobenzene	9.40	77	219704	54.660	ng	95
25) Isophorone	9.91	82	426822	51.768	ng	100
26) 2-Nitrophenol	10.10	139	105628	61.470	ng	97
27) 2,4-Dimethylphenol	10.14	122	191316	57.362	ng	95
28) bis(2-Chloroethoxy)methane	10.39	93	251337	49.492	ng	98
29) 2,4-Dichlorophenol	10.63	162	207933	57.043	ng	94
30) 1,2,4-Trichlorobenzene	10.85	180	194543	47.537	ng	96
31) Naphthalene	11.05	128	599313	51.975	ng	98
32) Benzoic acid	10.26	122	96803	45.015	ng	97
33) 4-Chloroaniline	11.15	127	11198	2.094	ng	# 92
34) Hexachlorobutadiene	11.31	225	124498	45.744	ng	97
35) Caprolactam	11.94	113	34147	22.638	ng	93
36) 4-Chloro-3-methylphenol	12.25	107	221000	52.423	ng	98
37) 2-Methylnaphthalene	12.64	142	449126	52.588	ng	97
38) 1-Methylnaphthalene	12.86	142	428128	52.005	ng	99
40) 1,2,4,5-Tetrachlorobenzene	13.00	216	247410	48.035	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.96	237	262139	93.400	ng	98
43) 2,4,6-Trichlorophenol	13.23	196	174786	55.192	ng	99
44) 2,4,5-Trichlorophenol	13.30	196	185105	55.769	ng	99
46) 1,1'-Biphenyl	13.63	154	604544	44.884	ng	100
47) 2-Chloronaphthalene	13.69	162	462489	45.645	ng	98
48) 2-Nitroaniline	13.89	65	161700	54.249	ng	98
49) Acenaphthylene	14.53	152	742777	48.583	ng	98
50) Dimethylphthalate	14.24	163	615441	47.073	ng	99
51) 2,6-Dinitrotoluene	14.37	165	138135	55.366	ng	97
52) Acenaphthene	14.86	154	457957	46.145	ng	97
53) 3-Nitroaniline	14.70	138	20378	12.589	ng	# 96
54) 2,4-Dinitrophenol	14.91	184	105537	91.315	ng	100
55) Dibenzofuran	15.20	168	735083	46.197	ng	99
56) 4-Nitrophenol	15.00	139	199598	84.114	ng	92
57) 2,4-Dinitrotoluene	15.16	165	192781	59.376	ng	# 87
58) Fluorene	15.84	166	584845	49.305	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.41	232	182633	58.767	ng	96
60) Diethylphthalate	15.60	149	609309	45.075	ng	97
61) 4-Chlorophenyl-phenylether	15.83	204	305088	45.424	ng	99
62) 4-Nitroaniline	15.87	138	133290	48.563	ng	95
63) Azobenzene	16.12	77	554123	41.940	ng	97
65) 4,6-Dinitro-2-methylphenol	15.91	198	92055	58.841	ng	99
66) n-Nitrosodiphenylamine	16.05	169	536156	48.390	ng	98
67) 4-Bromophenyl-phenylether	16.72	248	202124	50.000	ng	95
68) Hexachlorobenzene	16.83	284	209018	51.535	ng	95
69) Atrazine	16.99	200	204706	50.557	ng	98
70) Pentachlorophenol	17.18	266	253383	89.888	ng	97
71) Phenanthrene	17.59	178	934939	49.573	ng	98
72) Anthracene	17.68	178	950195	51.149	ng	98
73) Carbazole	17.94	167	826638	44.588	ng	98
74) Di-n-butylphthalate	18.48	149	989716	45.759	ng	99
75) Fluoranthene	19.58	202	1095635	50.051	ng	99
77) Benzidine	19.77	184	168966	14.480	ng	97
78) Pyrene	19.95	202	1099895	49.641	ng	98
80) Butylbenzylphthalate	20.82	149	469269	50.207	ng	97
81) Benzo(a)anthracene	21.82	228	1086857	51.678	ng	99
82) 3,3'-Dichlorobenzidine	21.72	252	117502	15.068	ng	99
83) Chrysene	21.89	228	1007242	50.311	ng	100
84) Bis(2-ethylhexyl)phthalate	21.69	149	646474	48.482	ng	# 98
85) Di-n-octyl phthalate	22.95	149	1103514	50.092	ng	96
86) Indeno(1,2,3-cd)pyrene	29.11	276	1225780	57.066	ng	99
88) Benzo(b)fluoranthene	24.14	252	1064725	52.453	ng	99
89) Benzo(k)fluoranthene	24.21	252	1019156	50.009	ng	98
90) Benzo(a)pyrene	25.06	252	1039460	53.172	ng	98
91) Dibenzo(a,h)anthracene	29.19	278	985053	53.805	ng	99
92) Benzo(g,h,i)perylene	30.35	276	1005996	55.130	ng	98

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

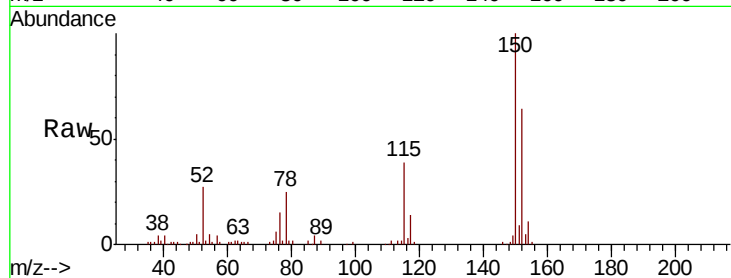


#1

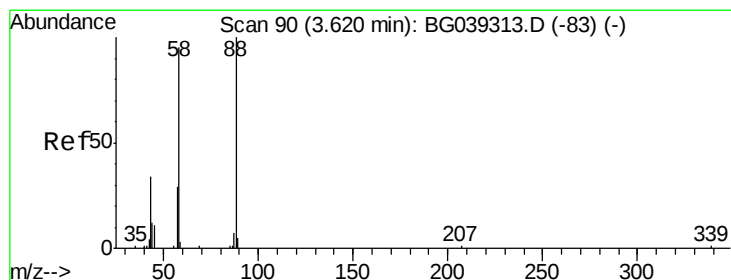
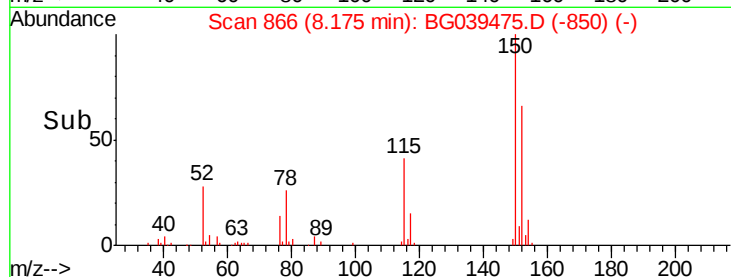
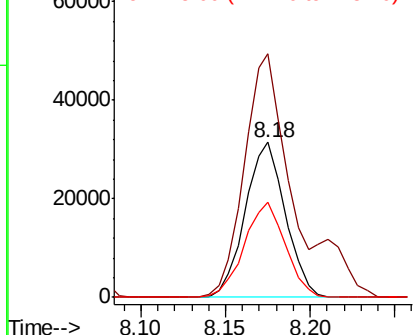
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:152 Resp: 51726
Ion Ratio Lower Upper
152 100
150 157.2 123.7 185.5
115 61.4 45.9 68.9



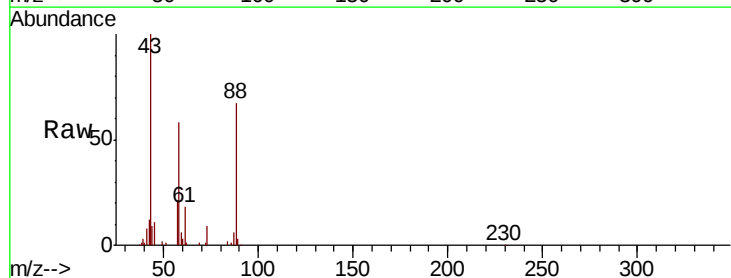
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



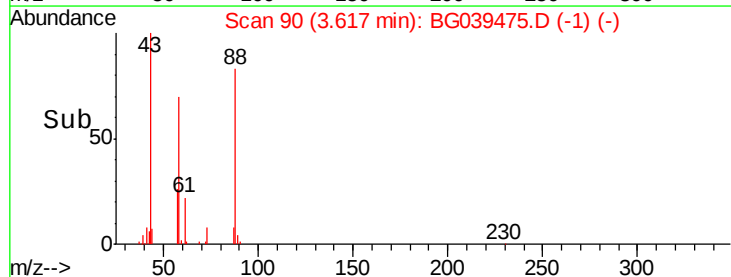
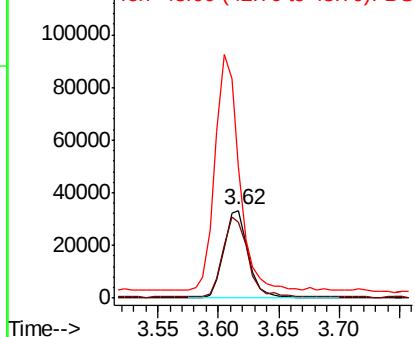
#2

1,4-Dioxane
Concen: 35.347 ng
RT: 3.62 min Scan# 90
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion: 88 Resp: 46729
Ion Ratio Lower Upper
88 100
58 93.6 81.1 121.7
43 262.0 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: 37.373 ng

RT: 4.02 min Scan# 158

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

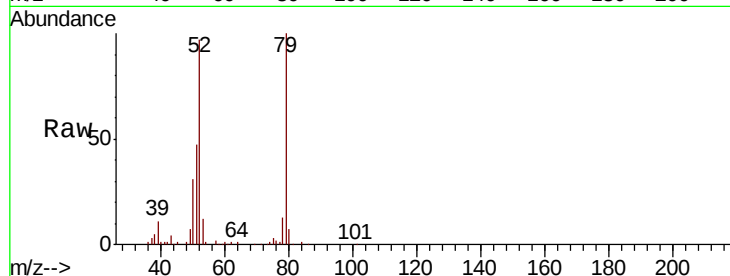
Tgt Ion: 79 Resp: 130811

Ion Ratio Lower Upper

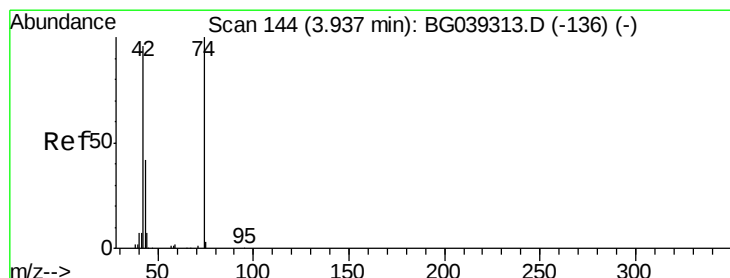
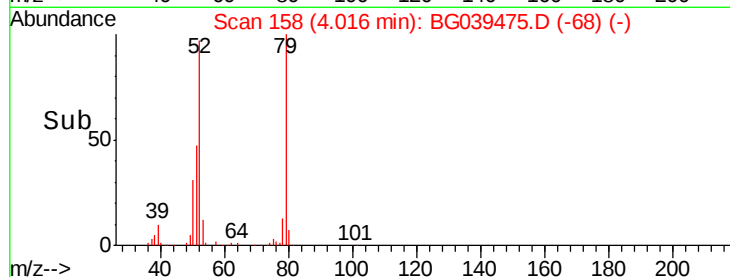
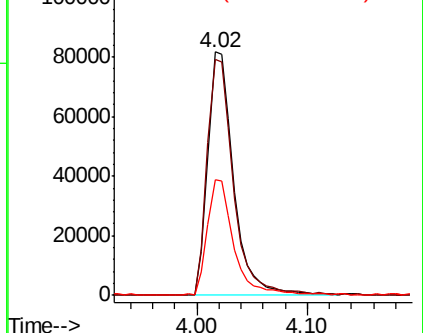
79 100

52 97.0 82.6 124.0

51 47.5 37.5 56.3



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



#4

n-Nitrosodimethylamine

Concen: 42.580 ng

RT: 3.93 min Scan# 143

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

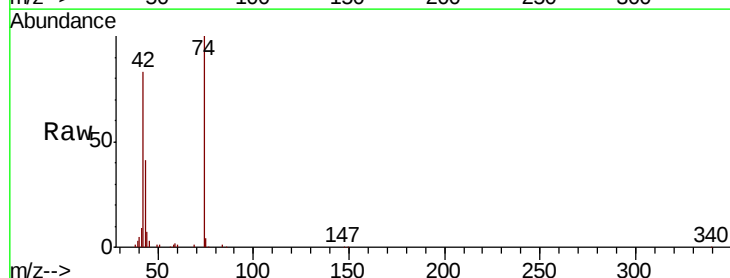
Tgt Ion: 42 Resp: 74535

Ion Ratio Lower Upper

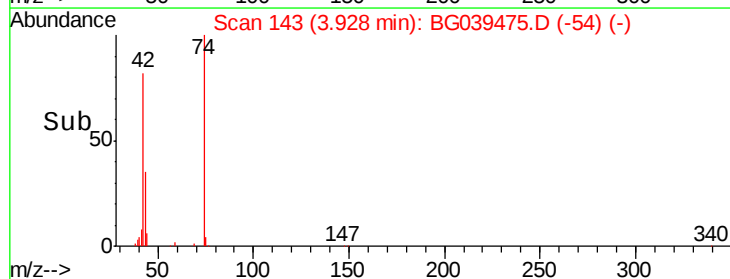
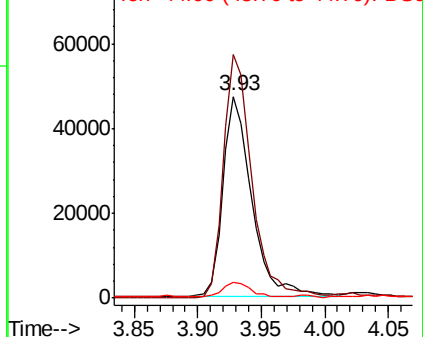
42 100

74 120.6 83.6 125.4

44 7.9 6.9 10.3



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





#5

2-Fluorophenol

Concen: 162.216 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

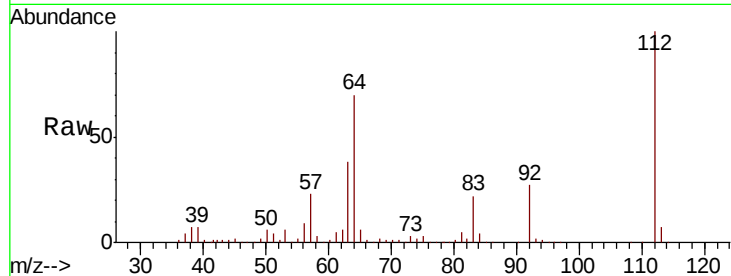
Instrument :

BNA_G

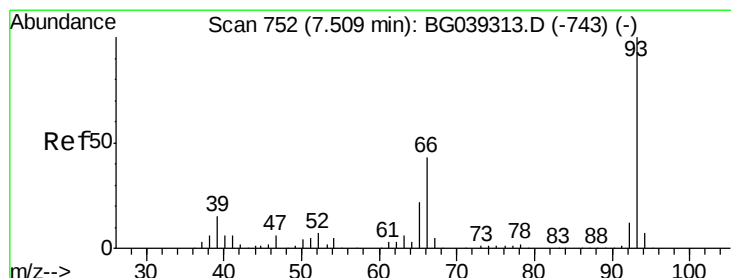
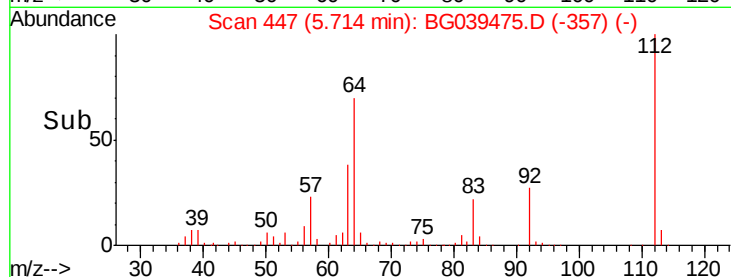
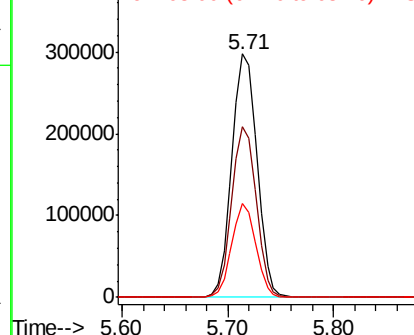
ClientSampleId :

IDW-SOIL-01MSD

Tgt Ion:	112	Resp:	490258
Ion	Ratio	Lower	Upper
112	100		
64	69.9	57.8	86.8
63	38.4	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: 13.280 ng

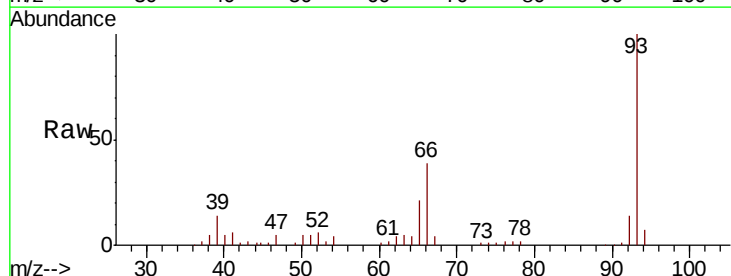
RT: 7.50 min Scan# 751

Delta R.T. -0.01 min

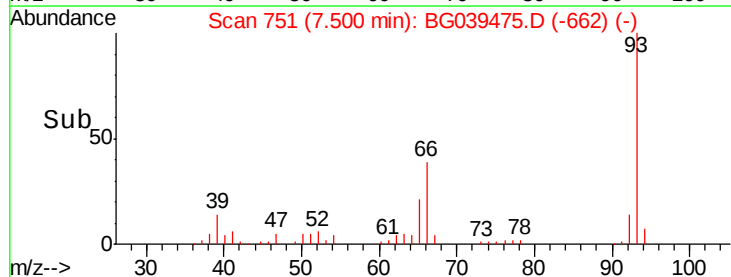
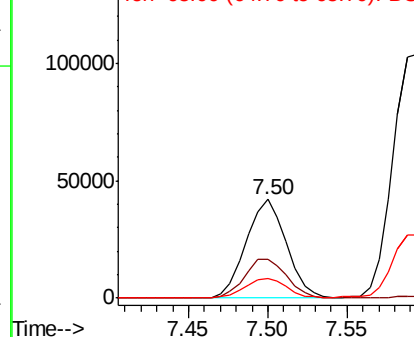
Lab File: BG039475.D

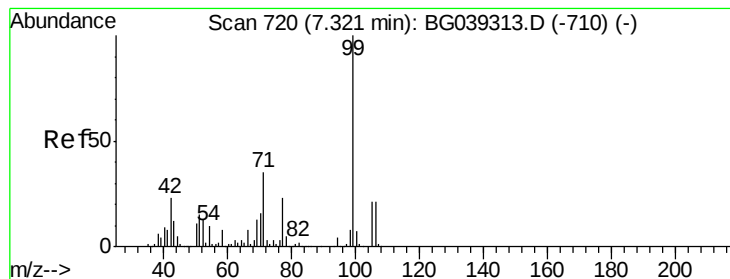
Acq: 12 Feb 2019 22:32

Tgt Ion:	93	Resp:	74003
Ion	Ratio	Lower	Upper
93	100		
66	39.2	34.2	51.4
65	20.5	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: 147.384 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

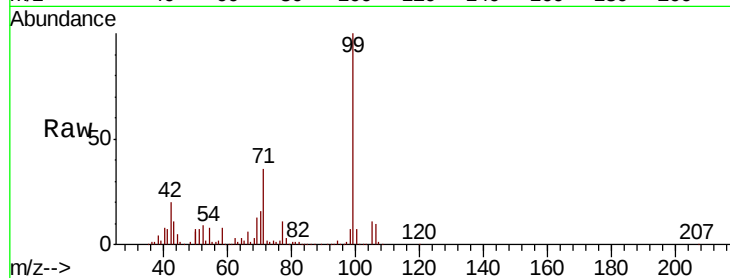
Tgt Ion: 99 Resp: 655661

Ion Ratio Lower Upper

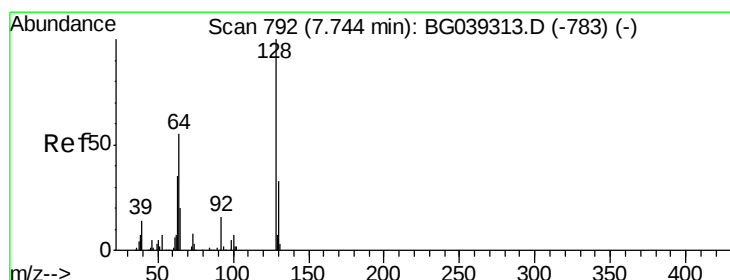
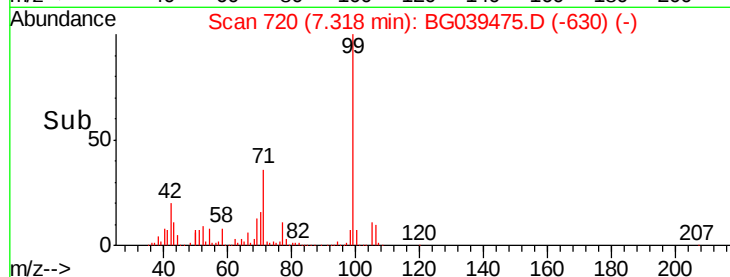
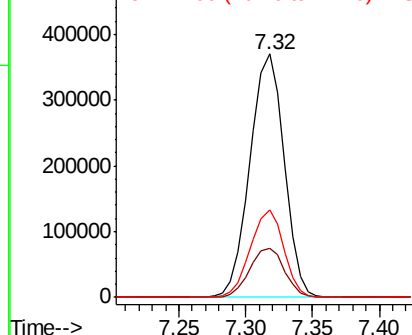
99 100

42 20.2 18.2 27.2

71 35.7 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: 53.184 ng

RT: 7.73 min Scan# 791

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

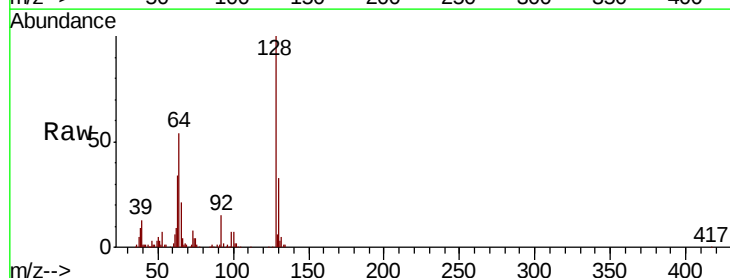
Tgt Ion: 128 Resp: 175699

Ion Ratio Lower Upper

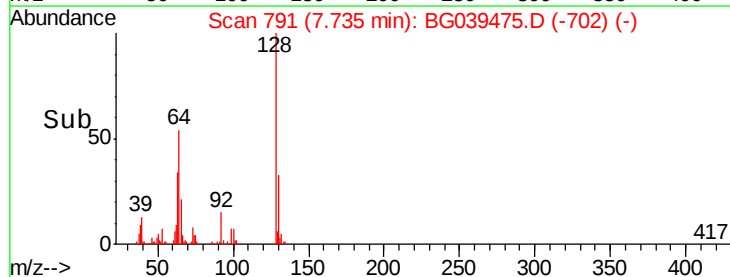
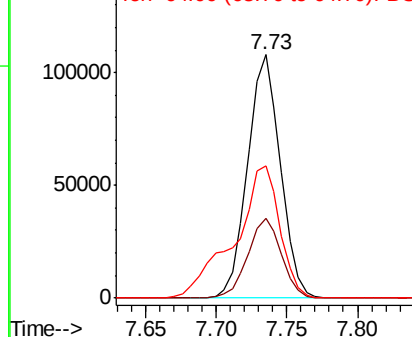
128 100

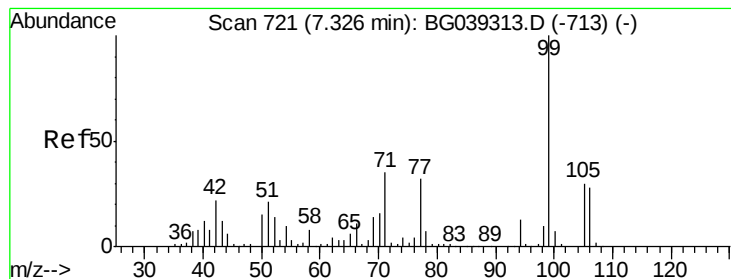
130 32.9 12.9 52.9

64 54.1 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: 34.298 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

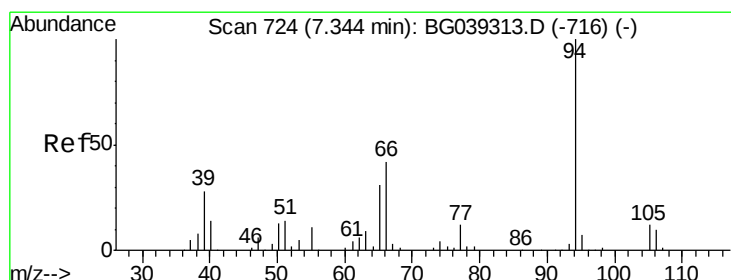
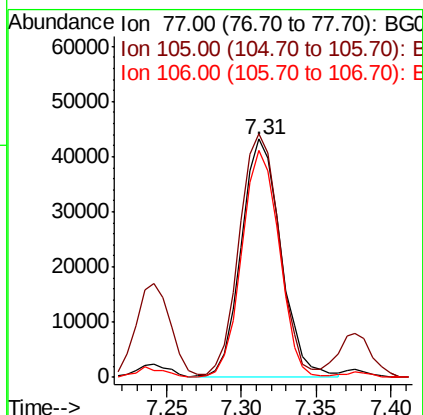
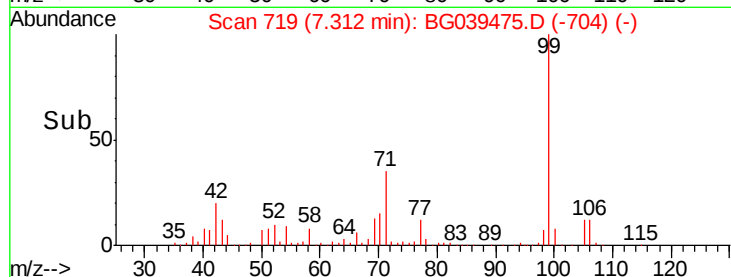
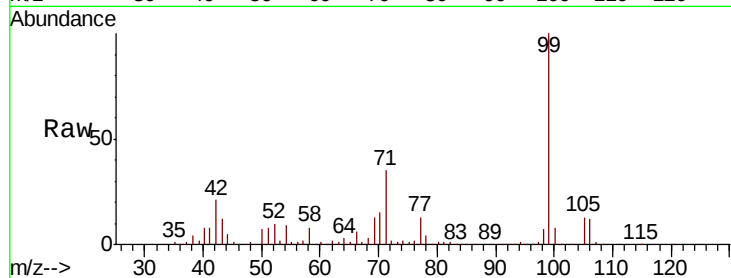
Tgt Ion: 77 Resp: 79391

Ion Ratio Lower Upper

77 100

105 102.4 74.5 114.5

106 95.5 68.0 108.0



#10

Phenol

Concen: 44.053 ng

RT: 7.34 min Scan# 724

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

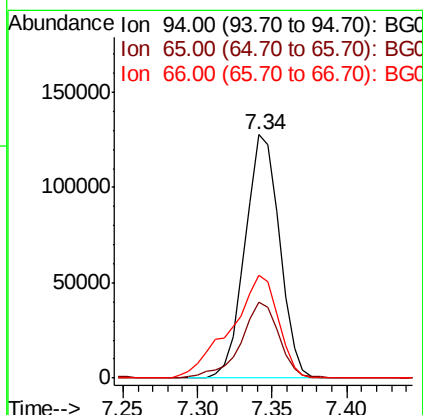
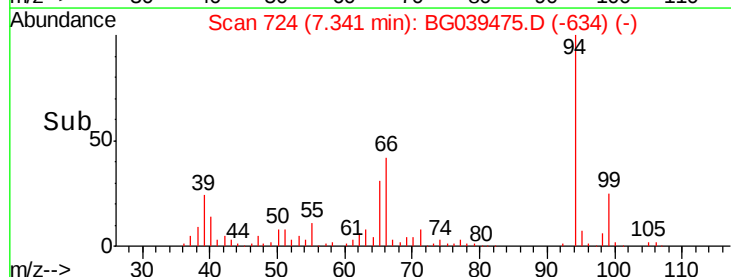
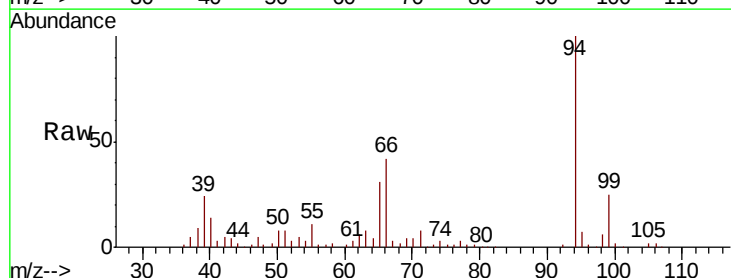
Tgt Ion: 94 Resp: 204292

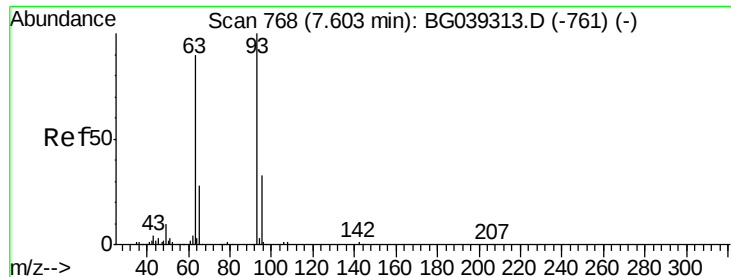
Ion Ratio Lower Upper

94 100

65 31.5 11.7 51.7

66 42.0 23.7 63.7

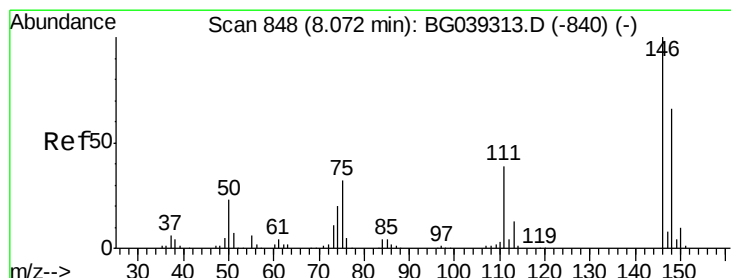
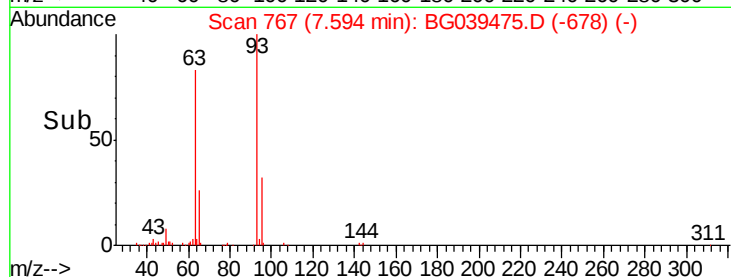
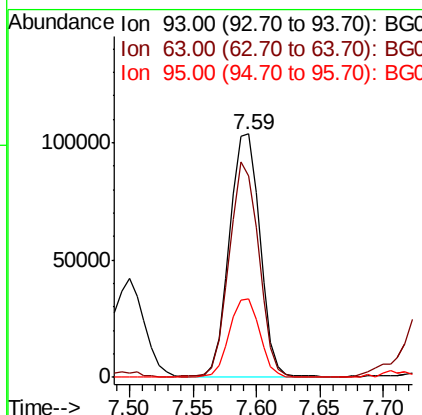
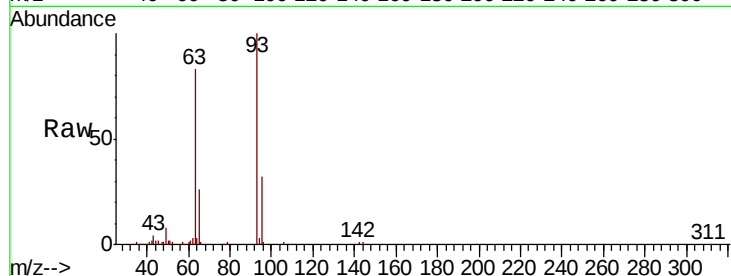




#11
bis(2-Chloroethyl)ether
Concen: 47.429 ng
RT: 7.59 min Scan# 767
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

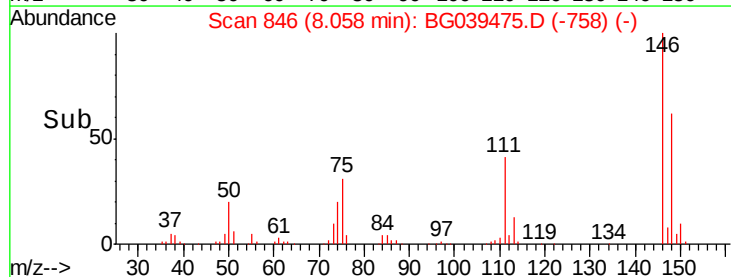
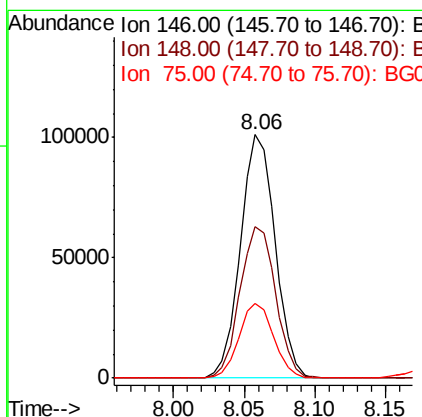
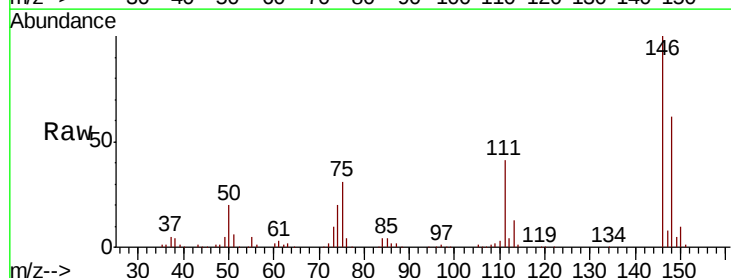
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

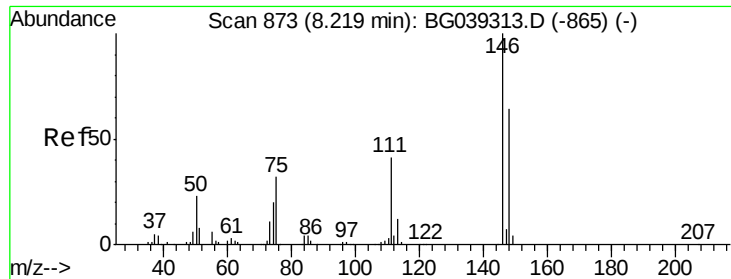
Tgt Ion: 93 Resp: 173797
Ion Ratio Lower Upper
93 100
63 82.9 69.5 109.5
95 32.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 43.458 ng
RT: 8.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion: 146 Resp: 173919
Ion Ratio Lower Upper
146 100
148 62.4 52.6 79.0
75 30.9 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 44.580 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

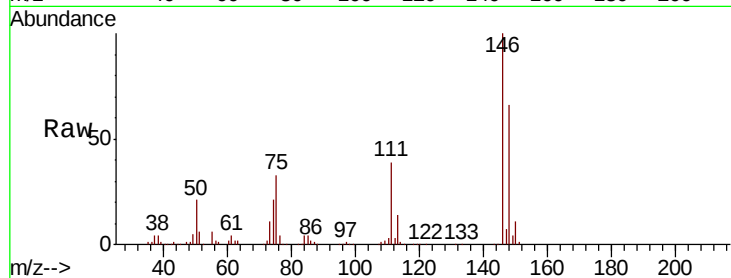
Tgt Ion:146 Resp: 177826

Ion Ratio Lower Upper

146 100

148 66.2 51.1 76.7

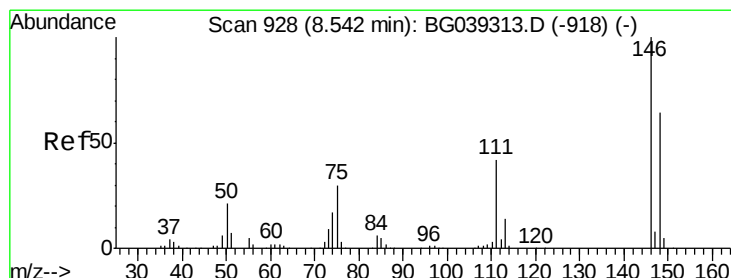
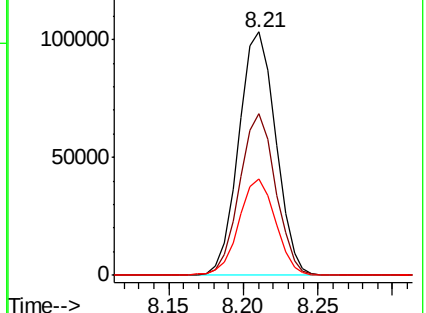
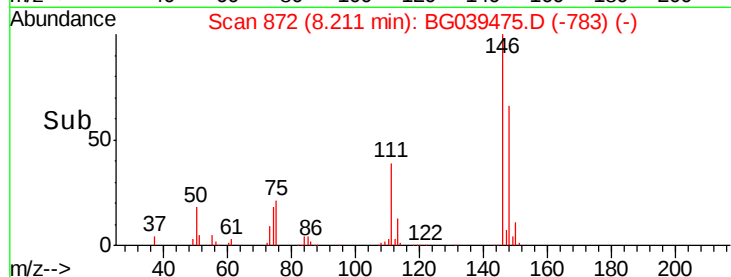
111 39.5 32.6 48.8



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: 45.002 ng

RT: 8.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

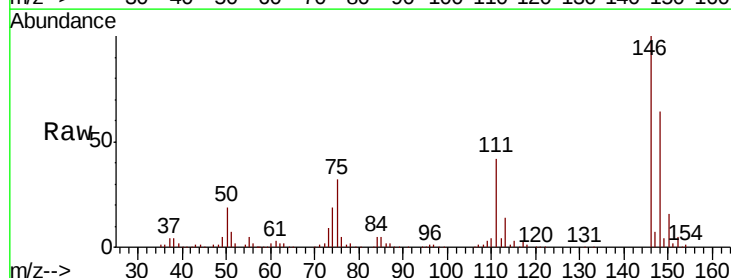
Tgt Ion:146 Resp: 173777

Ion Ratio Lower Upper

146 100

148 63.9 51.5 77.3

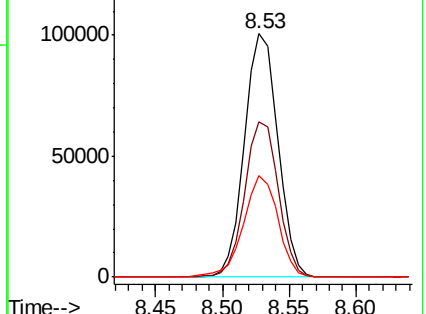
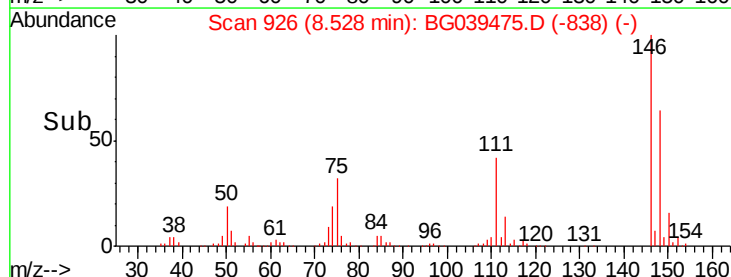
111 41.9 33.8 50.6

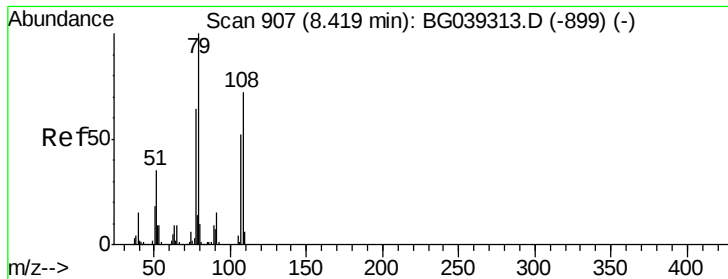


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 51.553 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

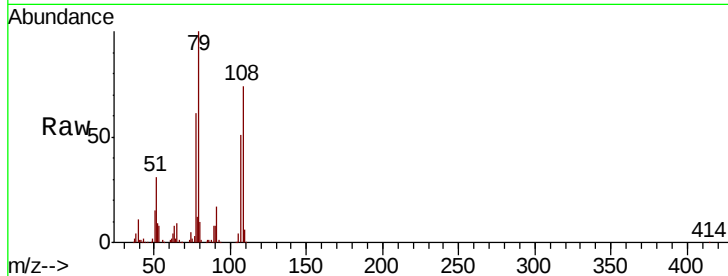
Tgt Ion: 79 Resp: 180053

Ion Ratio Lower Upper

79 100

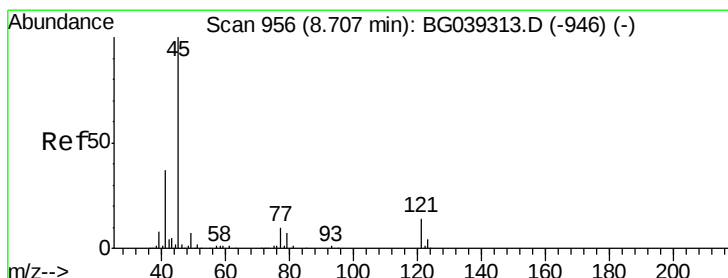
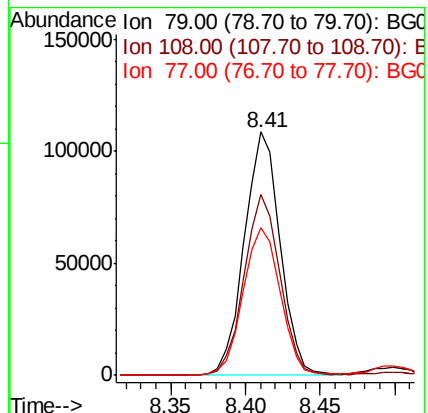
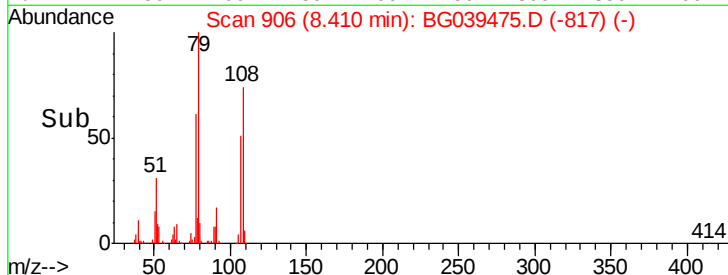
108 74.0 57.8 86.6

77 60.7 51.1 76.7



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

8.41



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.310 ng

RT: 8.69 min Scan# 953

Delta R.T. -0.02 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

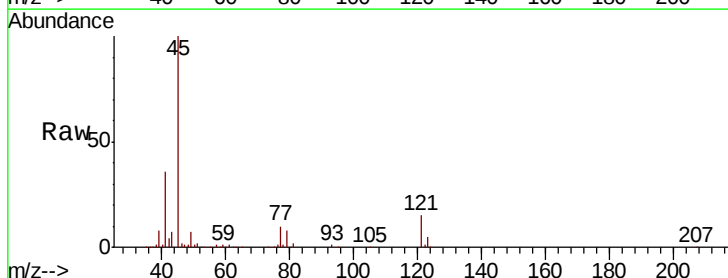
Tgt Ion: 45 Resp: 333565

Ion Ratio Lower Upper

45 100

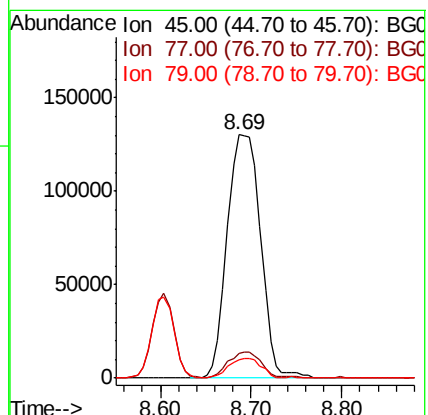
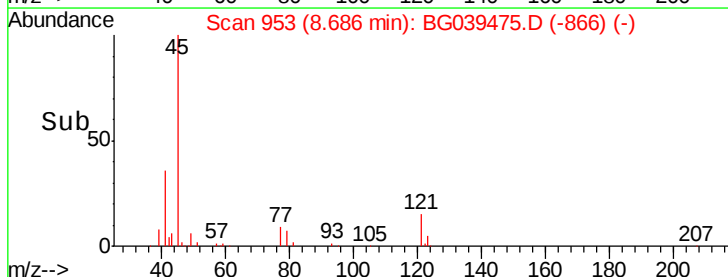
77 10.0 0.0 30.0

79 7.6 0.0 27.5



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

8.69

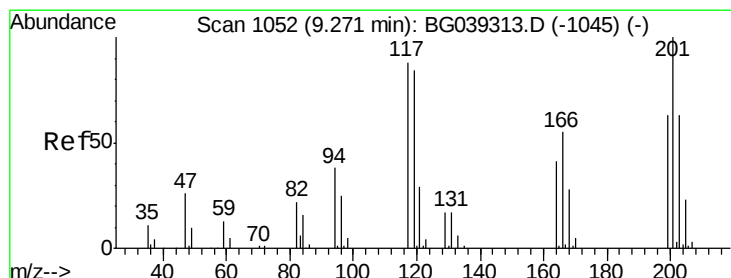
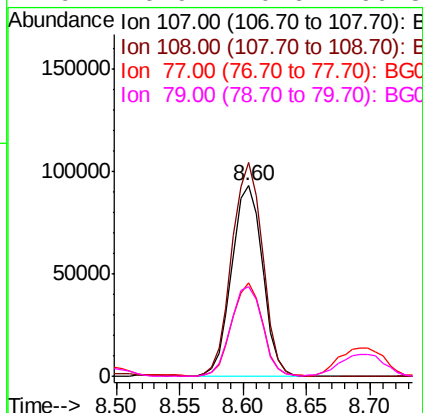
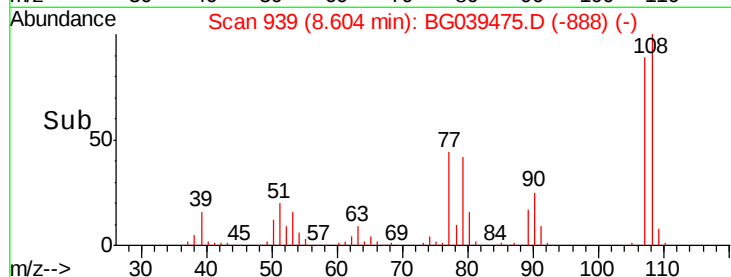
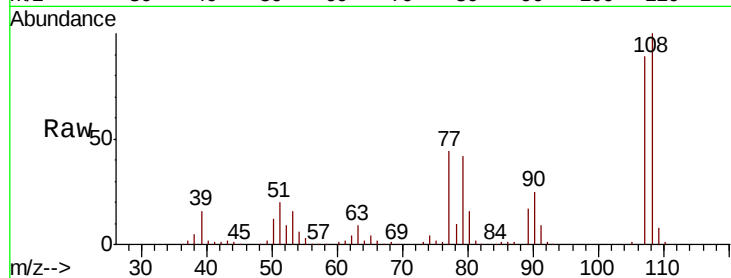




#17
2-Methylphenol
Concen: 52.323 ng
RT: 8.60 min Scan# 939
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

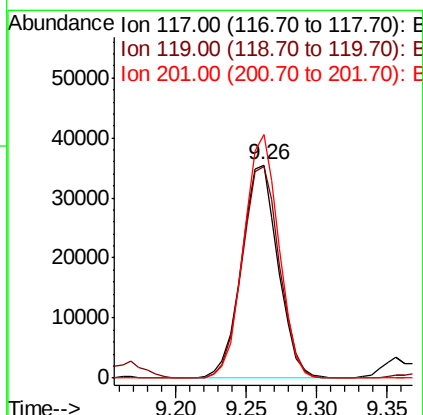
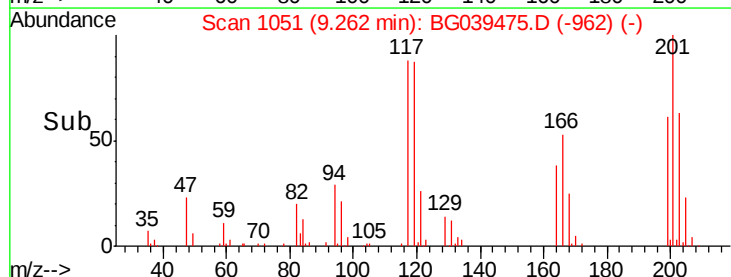
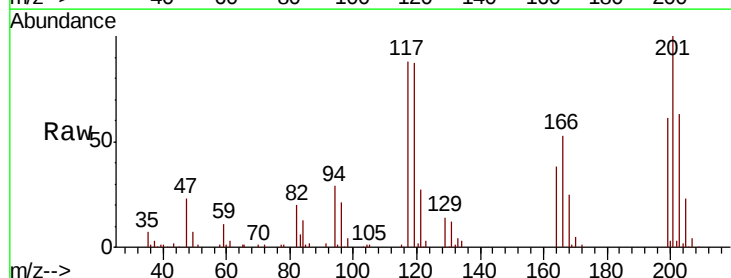
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

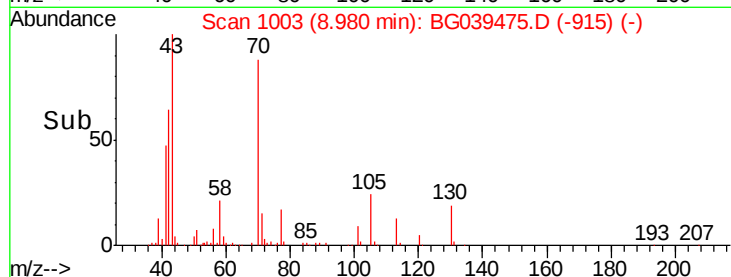
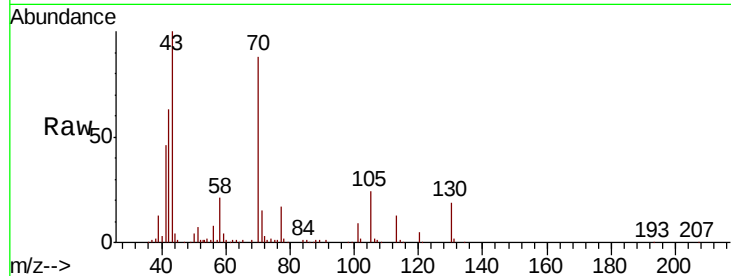
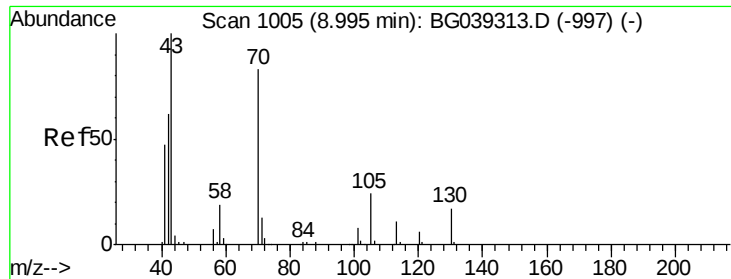
Tgt Ion:	107	Resp:	157021
Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.8	136.2
77	49.0	40.7	61.1
79	46.9	40.6	60.8



#18
Hexachloroethane
Concen: 46.933 ng
RT: 9.26 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	117	Resp:	64408
Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.3	114.5
201	114.3	91.1	136.7

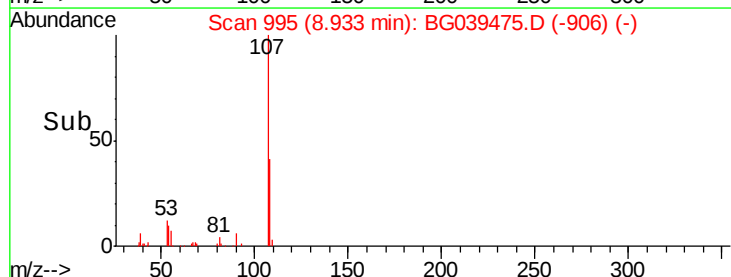
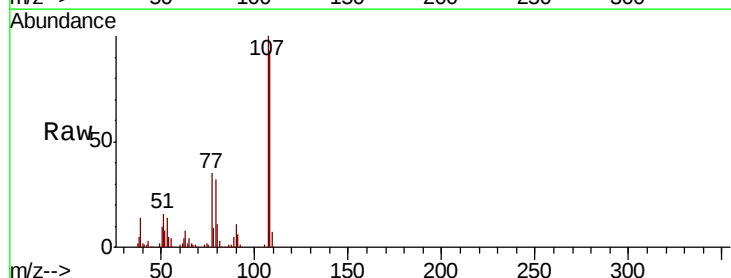
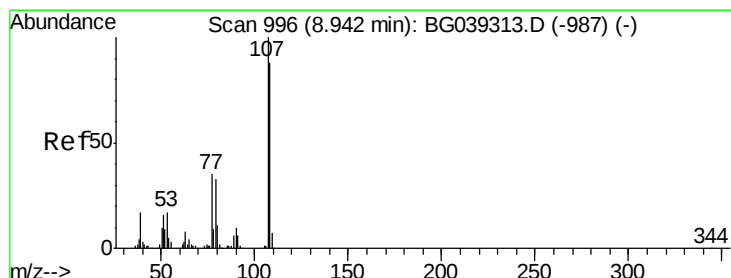
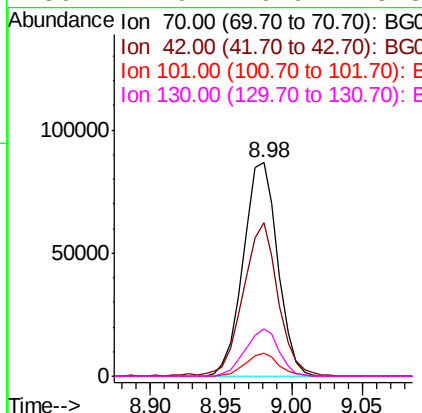




#19
n-Nitroso-di-n-propylamine
Concen: 47.097 ng
RT: 8.98 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

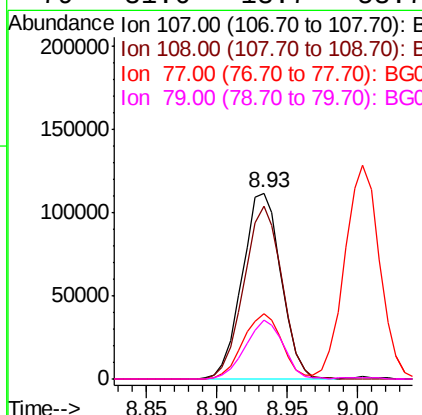
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:	70	Resp:	148707
Ion	Ratio	Lower	Upper
70	100		
42	72.0	60.4	90.6
101	10.6	7.5	11.3
130	21.9	16.9	25.3



#20
3+4-Methylphenols
Concen: 52.200 ng
RT: 8.93 min Scan# 995
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	107	Resp:	215719
Ion	Ratio	Lower	Upper
107	100		
108	92.9	67.9	107.9
77	35.0	15.4	55.4
79	31.6	13.7	53.7

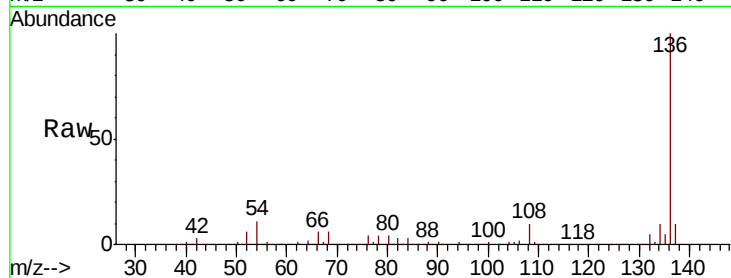




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:	136	Resp:	232433
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.1	13.7
54	11.4	9.4	14.2
68	6.4	4.2	6.4#



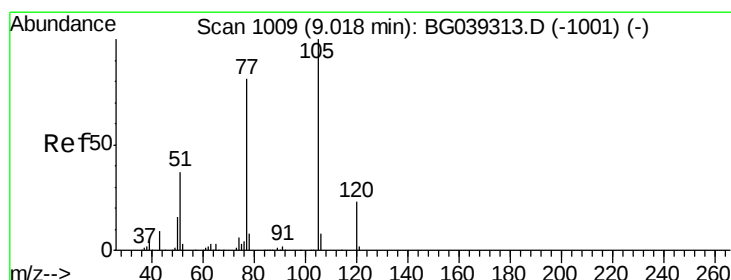
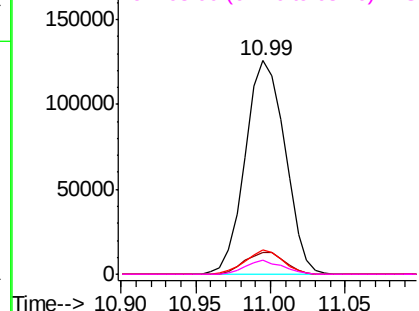
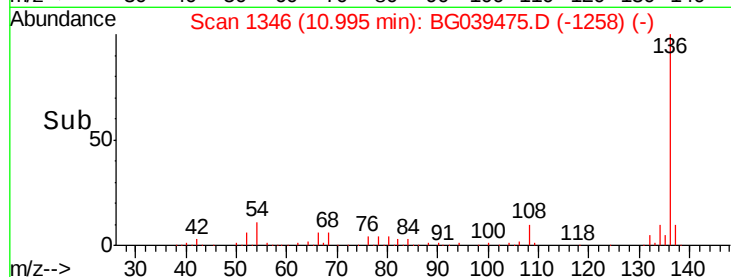
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

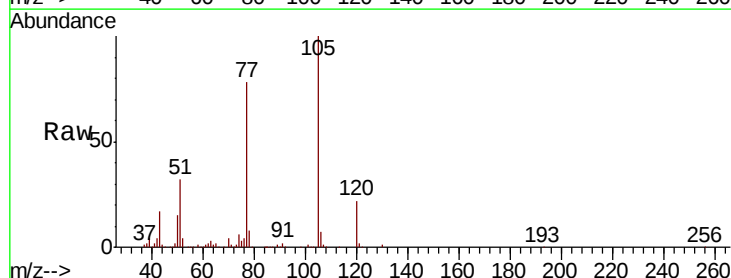
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 45.811 ng
RT: 9.00 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	105	Resp:	286020
Ion Ratio	Lower	Upper	
105	100		
71	0.8	0.8	1.2#
51	32.3	30.2	45.2
120	21.9	18.0	27.0



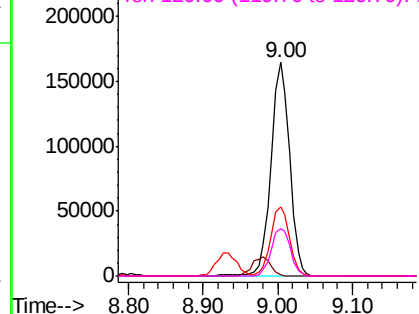
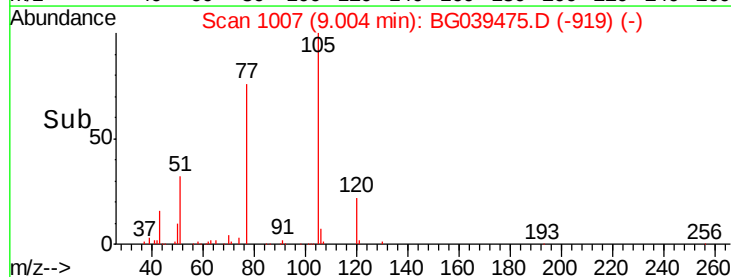
Abundance

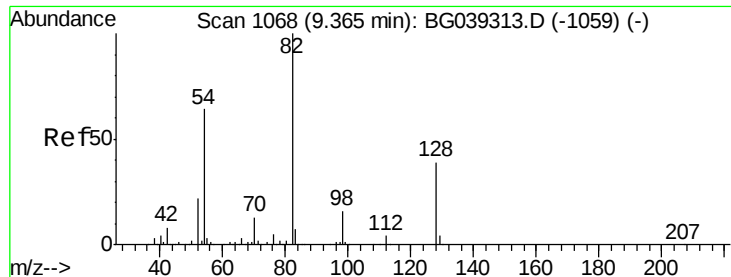
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

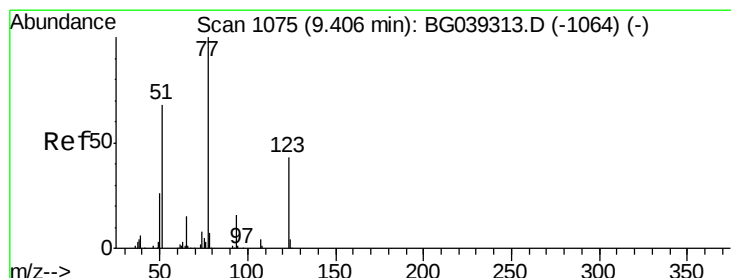
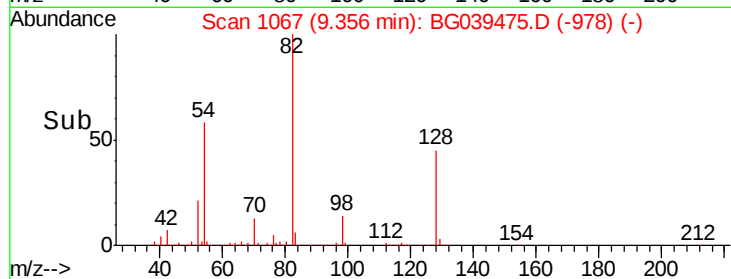
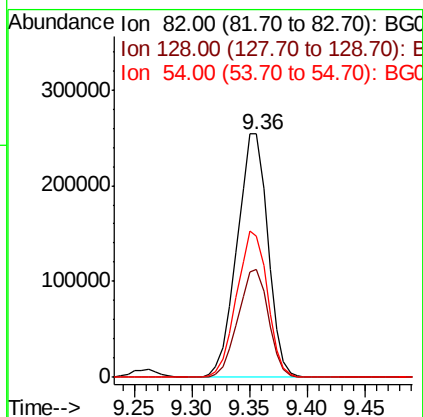
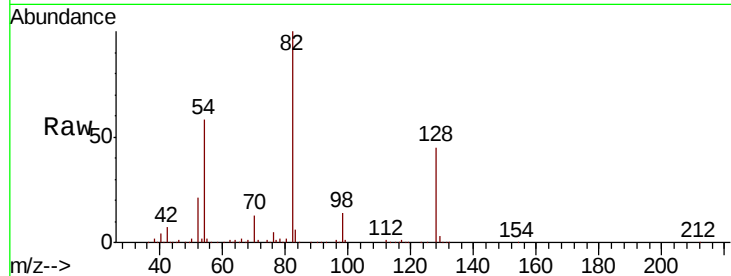




#23
 Nitrobenzene-d5
 Concen: 126.960 ng
 RT: 9.36 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

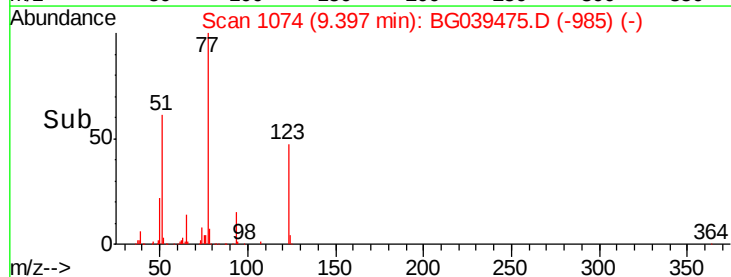
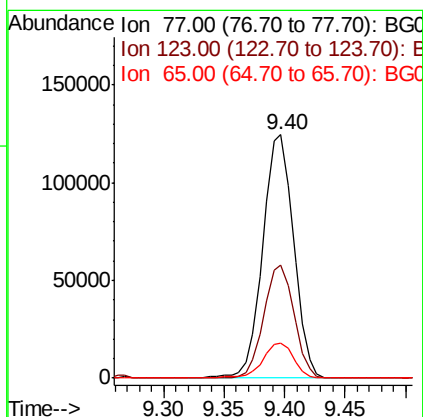
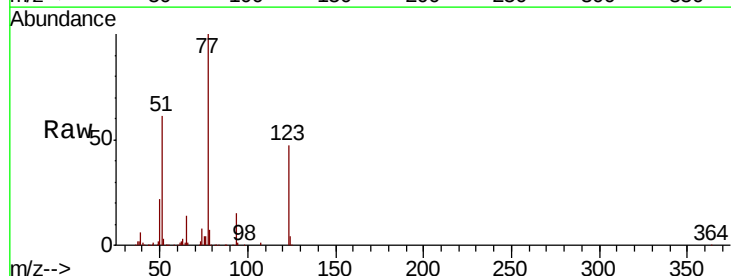
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	31.3	46.9
54	58.1	50.9	76.3



#24
 Nitrobenzene
 Concen: 54.660 ng
 RT: 9.40 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.6	34.1	51.1
65	14.4	12.3	18.5

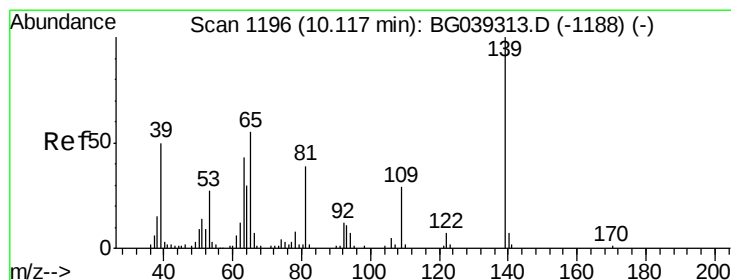
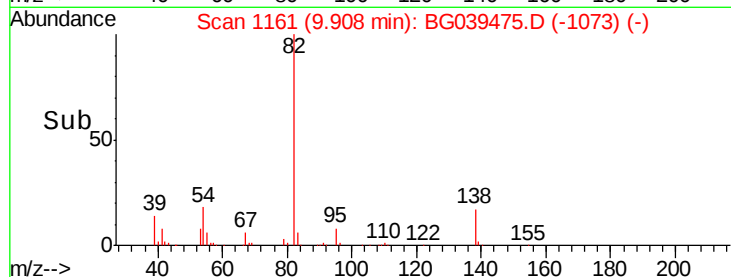
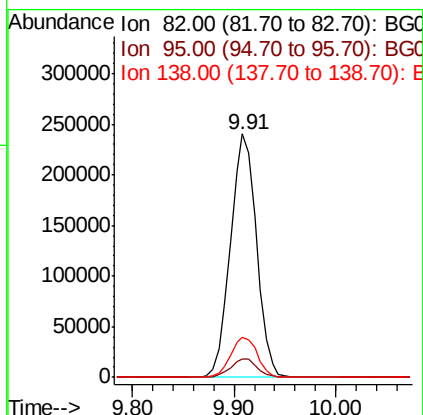
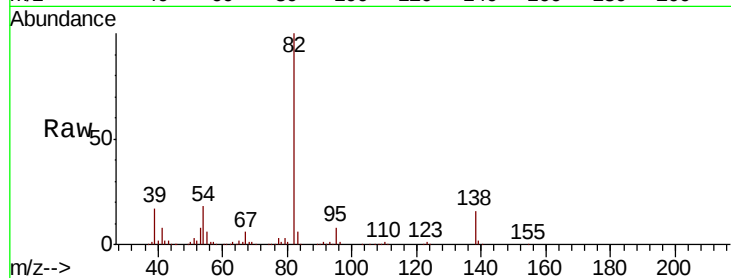




#25
Isophorone
Concen: 51.768 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

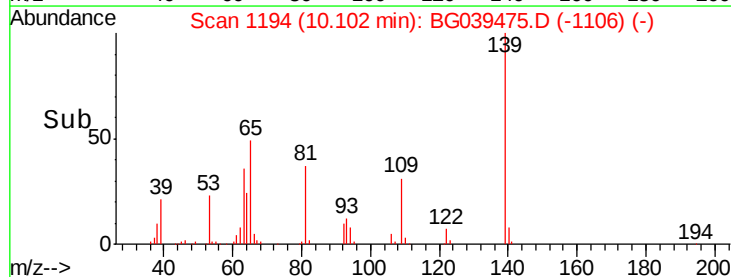
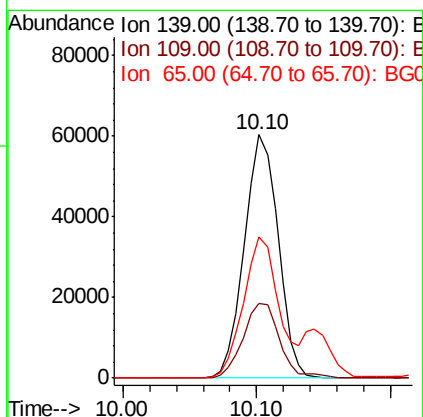
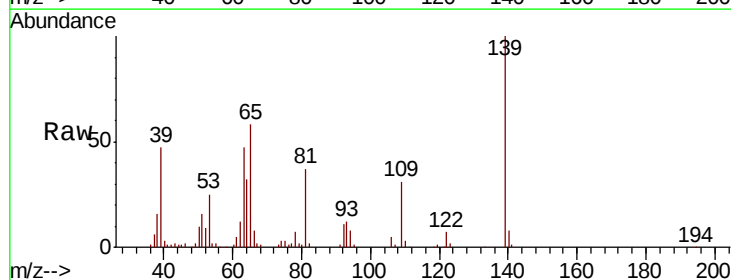
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion: 82 Resp: 426822
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 16.4 13.0 19.4



#26
2-Nitrophenol
Concen: 61.470 ng
RT: 10.10 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion: 139 Resp: 105628
Ion Ratio Lower Upper
139 100
109 30.8 23.4 35.0
65 58.0 44.3 66.5

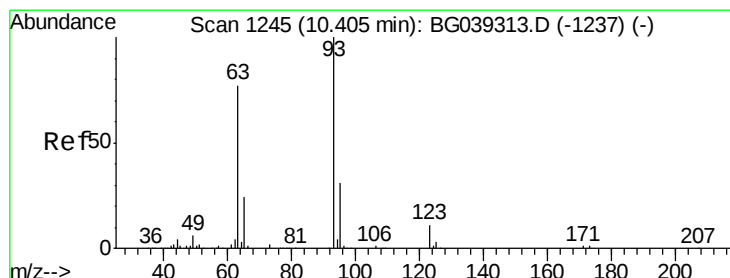
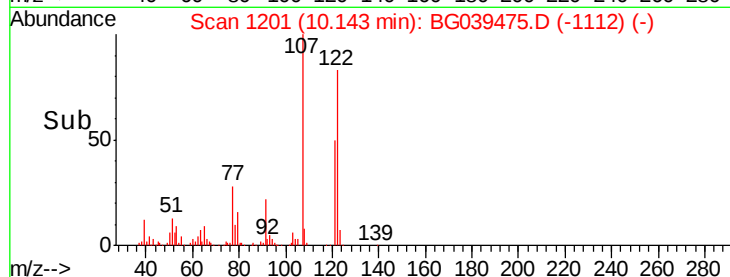
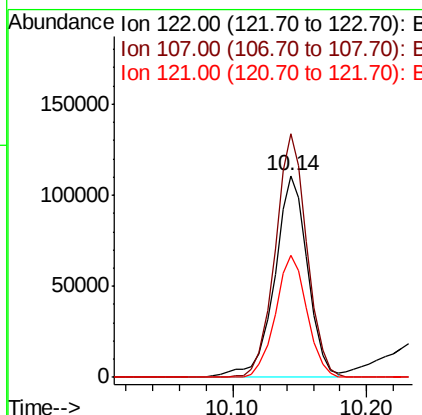
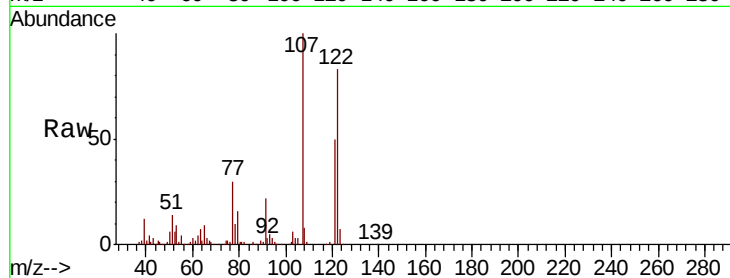




#27
2,4-Dimethylphenol
Concen: 57.362 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

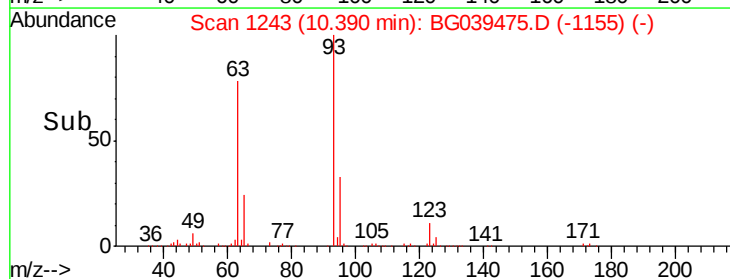
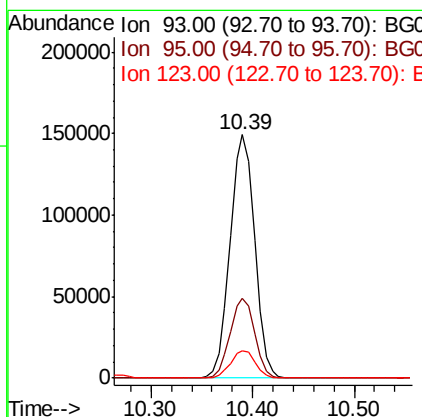
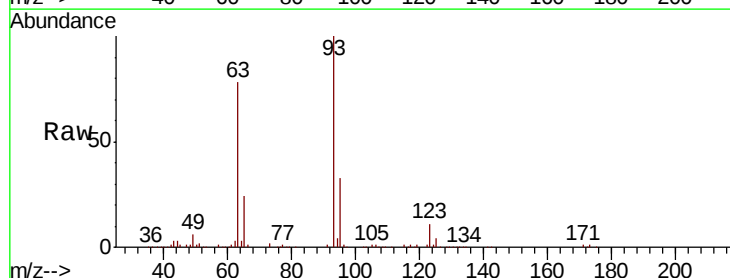
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

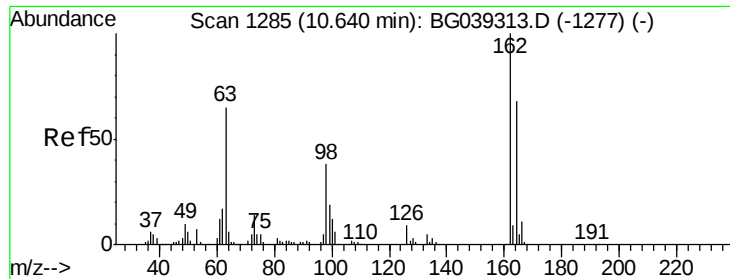
Tgt Ion	Ratio	Lower	Upper
122	100		
107	120.5	91.7	137.5
121	60.6	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 49.492 ng
RT: 10.39 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.0	37.4
123	11.1	8.6	12.8

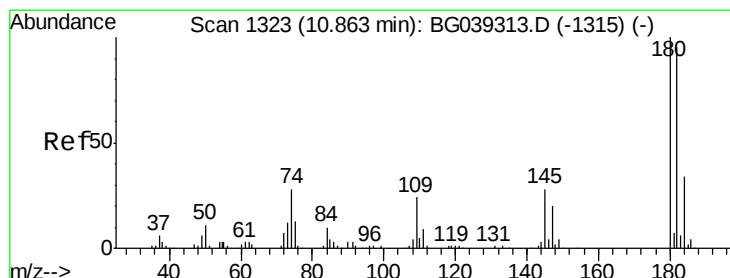
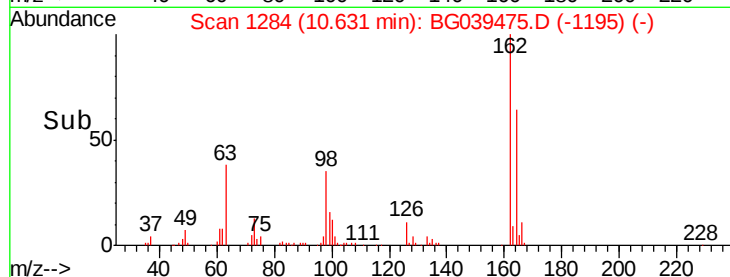
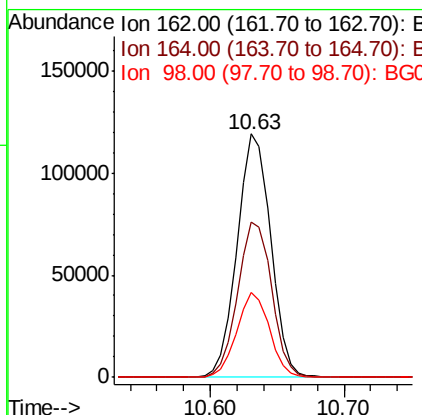
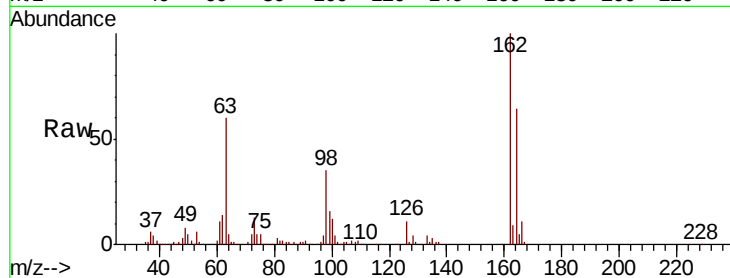




#29
2,4-Dichlorophenol
Concen: 57.043 ng
RT: 10.63 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

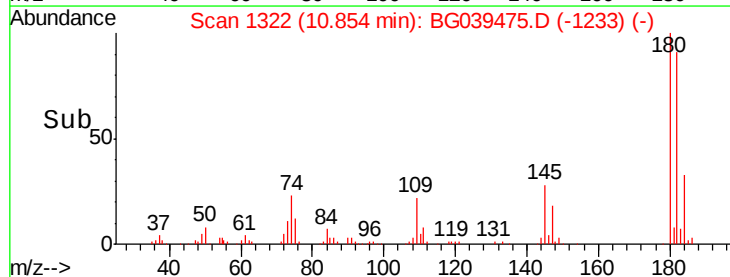
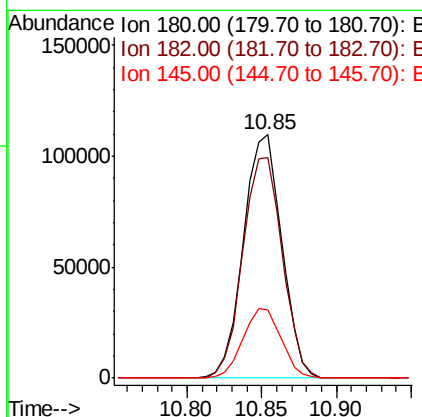
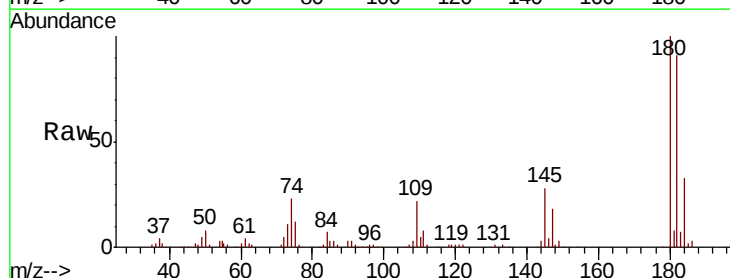
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

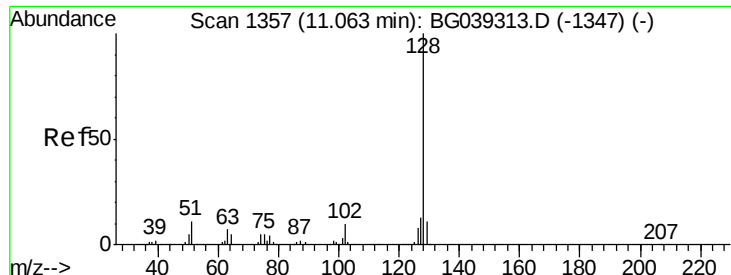
Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.6	48.1	88.1
98	34.8	18.1	58.1



#30
1,2,4-Trichlorobenzene
Concen: 47.537 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	76.0	114.0
145	27.9	22.7	34.1

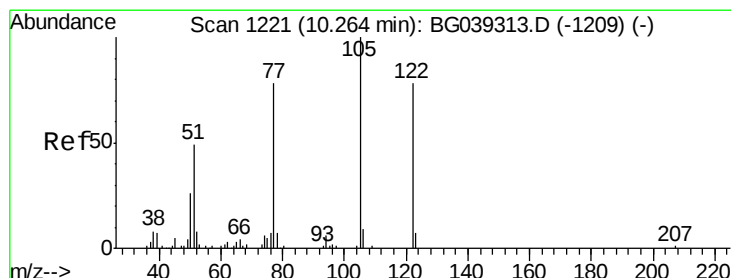
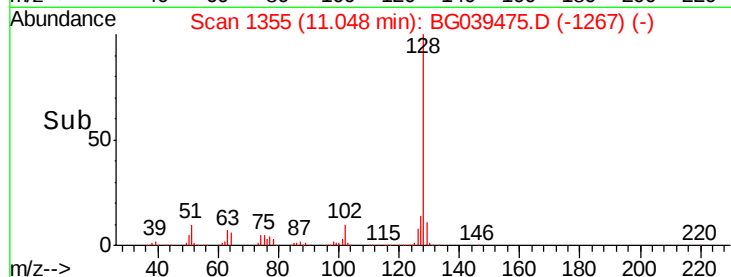
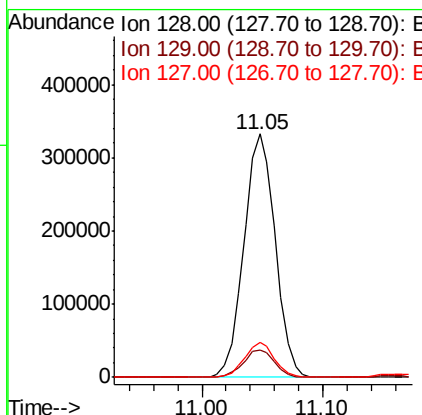
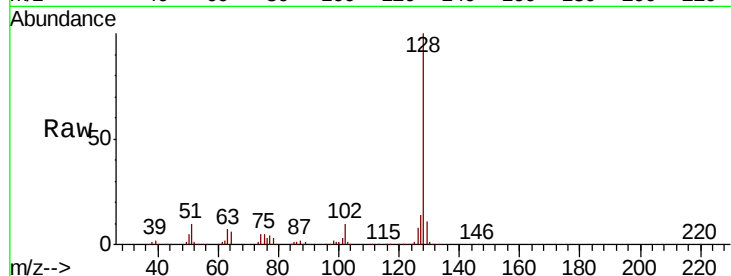




#31
Naphthalene
Concen: 51.975 ng
RT: 11.05 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

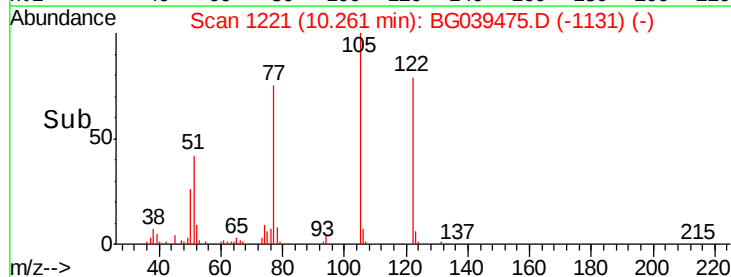
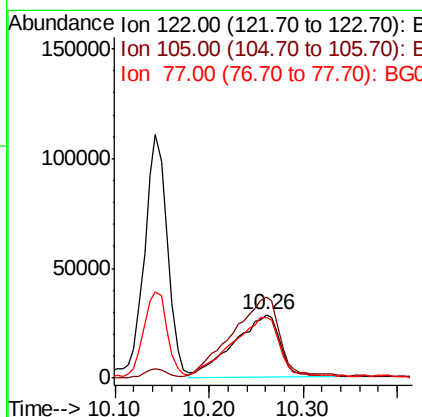
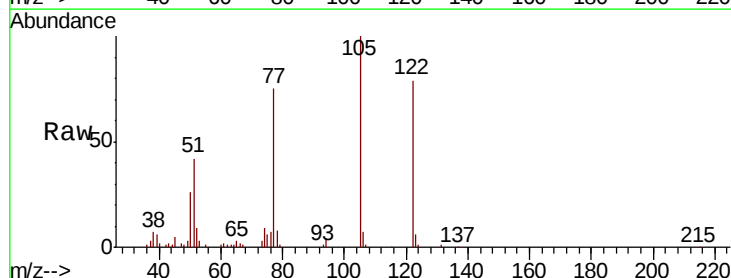
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:128 Resp: 599313
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 14.3 10.8 16.2



#32
Benzoic acid
Concen: 45.015 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:122 Resp: 96803
Ion Ratio Lower Upper
122 100
105 127.1 101.8 141.8
77 95.8 76.3 116.3

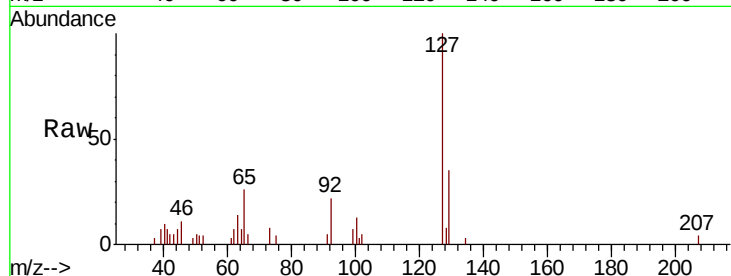




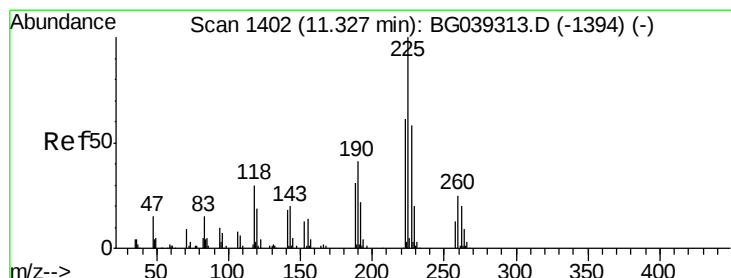
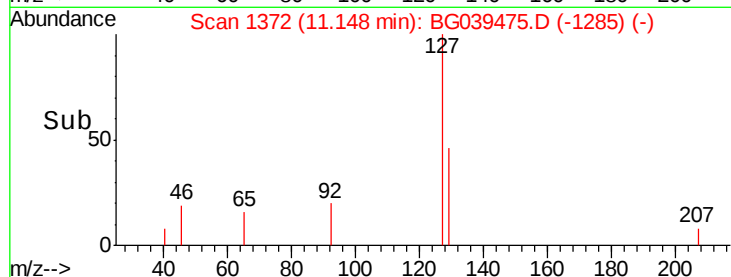
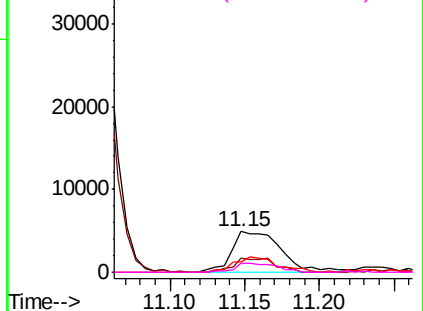
#33
4-Chloroaniline
Concen: 2.094 ng
RT: 11.15 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:	127	Resp:	11198
Ion	Ratio	Lower	Upper
127	100		
129	35.0	27.0	40.4
65	26.5	28.8	43.2#
92	22.2	16.6	25.0

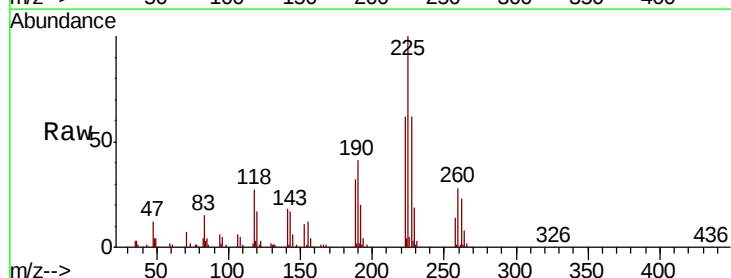


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

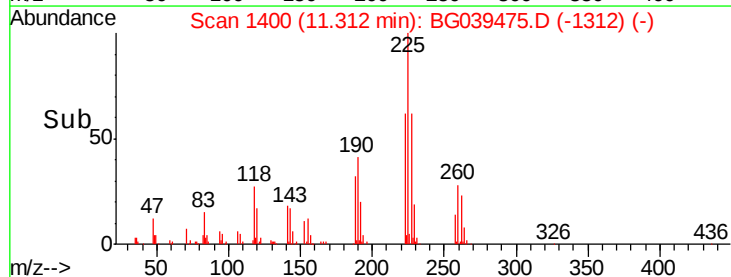
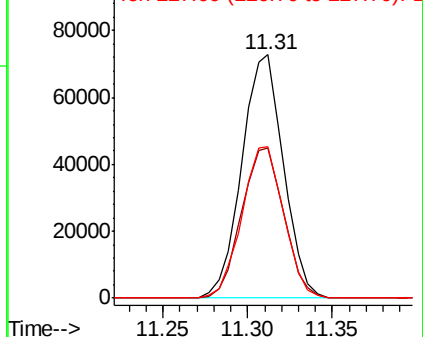


#34
Hexachlorobutadiene
Concen: 45.744 ng
RT: 11.31 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	225	Resp:	124498
Ion	Ratio	Lower	Upper
225	100		
223	61.5	49.0	73.6
227	62.0	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

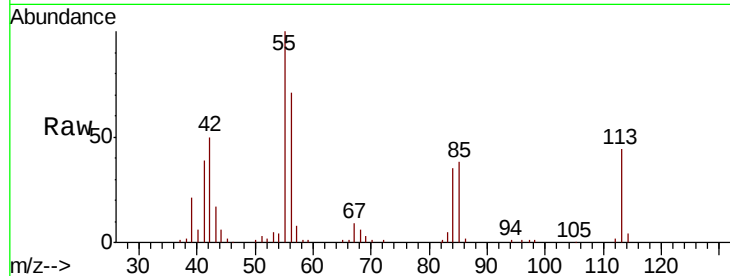




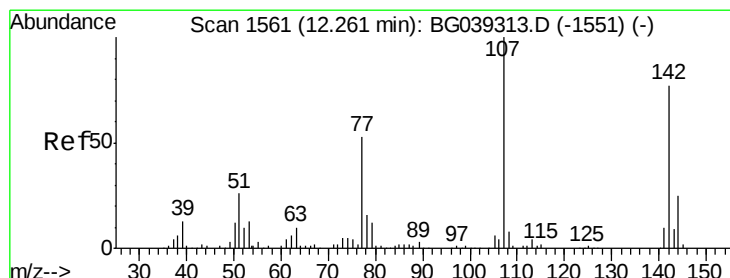
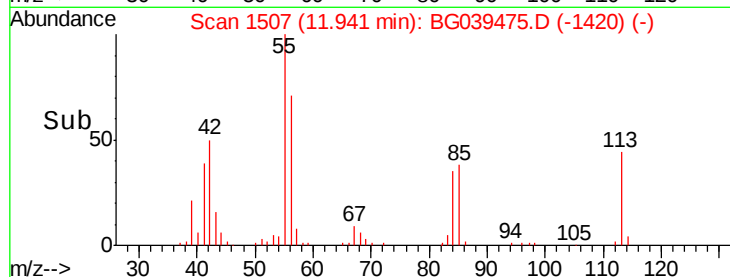
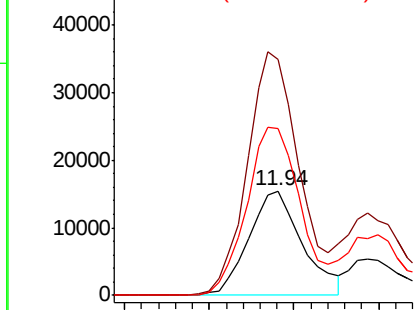
#35
 Caprolactam
 Concen: 22.638 ng
 RT: 11.94 min Scan# 1507
 Delta R.T. -0.02 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:113 Resp: 34147
 Ion Ratio Lower Upper
 113 100
 55 225.8 216.9 256.9
 56 160.6 152.6 192.6

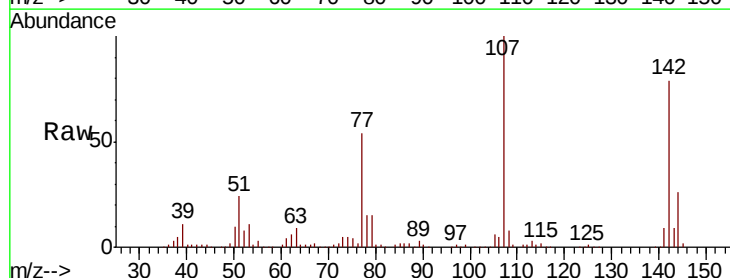


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BG
 Ion 56.00 (55.70 to 56.70): BG

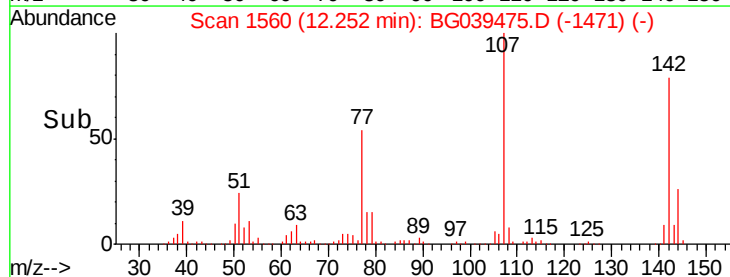
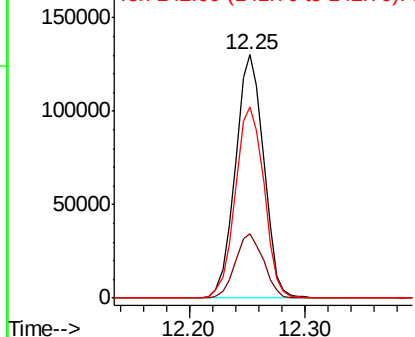


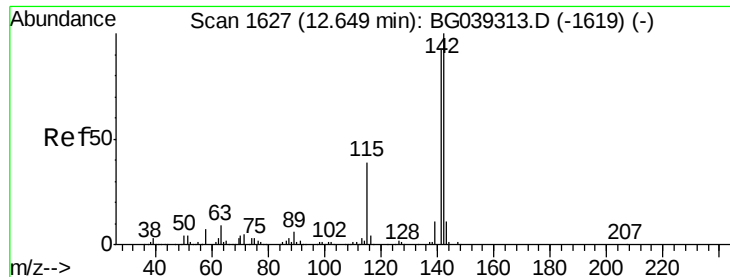
#36
 4-Chloro-3-methylphenol
 Concen: 52.423 ng
 RT: 12.25 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:107 Resp: 221000
 Ion Ratio Lower Upper
 107 100
 144 26.3 20.2 30.2
 142 78.6 61.4 92.2



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

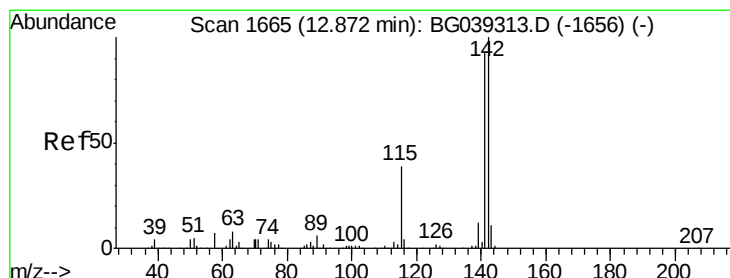
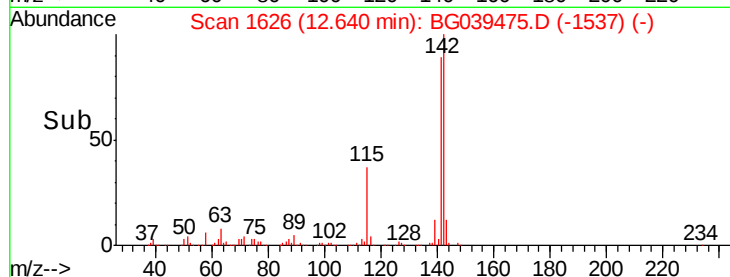
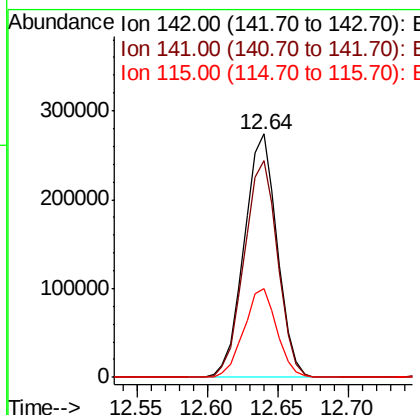
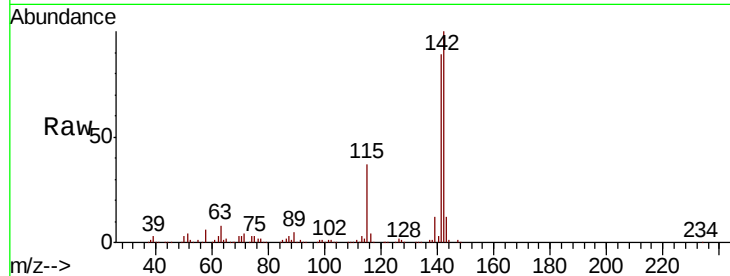




#37
 2-Methylnaphthalene
 Concen: 52.588 ng
 RT: 12.64 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

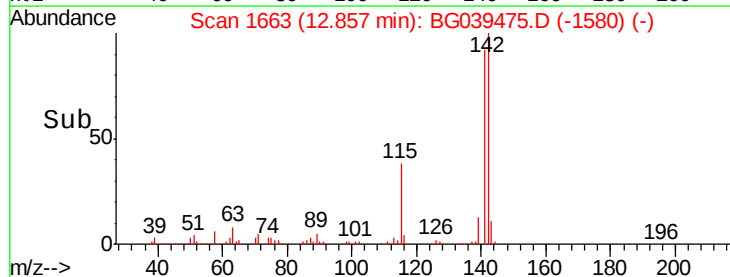
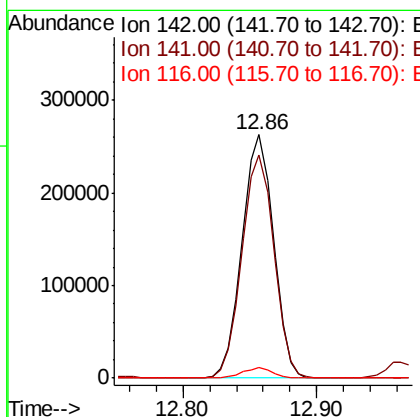
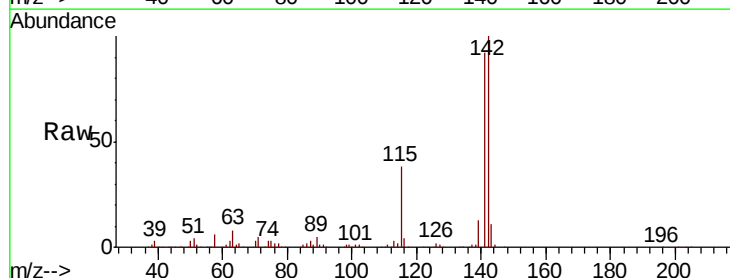
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

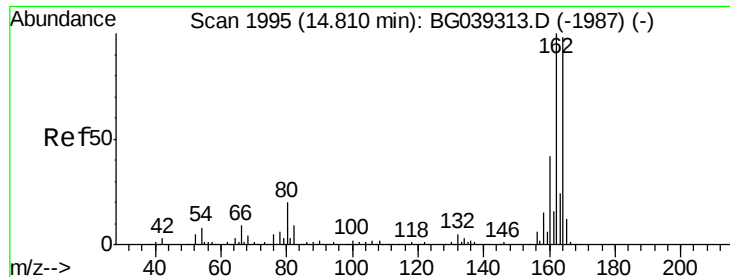
Tgt Ion:142 Resp: 449126
 Ion Ratio Lower Upper
 142 100
 141 89.1 73.5 110.3
 115 36.6 30.8 46.2



#38
 1-Methylnaphthalene
 Concen: 52.005 ng
 RT: 12.86 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:142 Resp: 428128
 Ion Ratio Lower Upper
 142 100
 141 91.8 74.2 111.4
 116 4.4 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

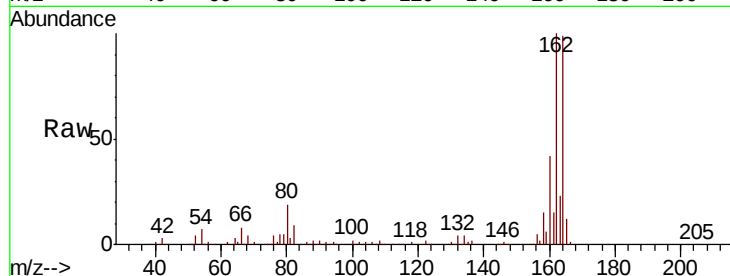
Tgt Ion:164 Resp: 161881

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

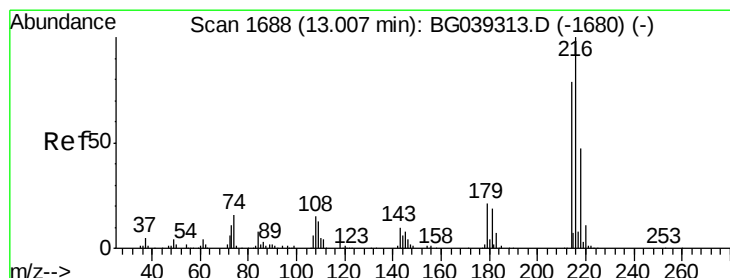
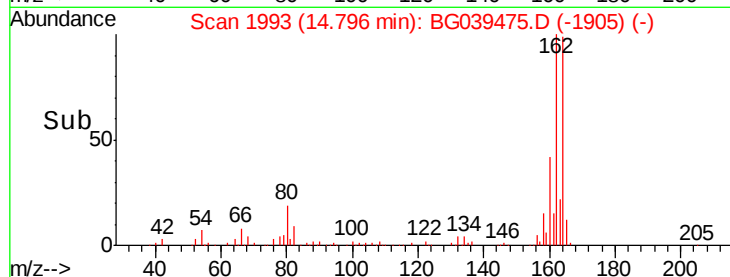
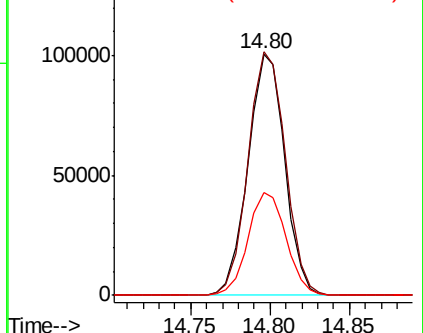
160 42.5 34.2 51.2



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: 48.035 ng

RT: 13.00 min Scan# 1687

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Tgt Ion:216 Resp: 247410

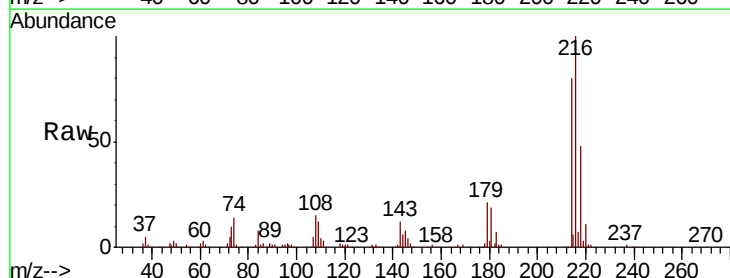
Ion Ratio Lower Upper

216 100

214 79.2 62.6 94.0

179 20.8 16.6 25.0

108 17.8 14.0 21.0

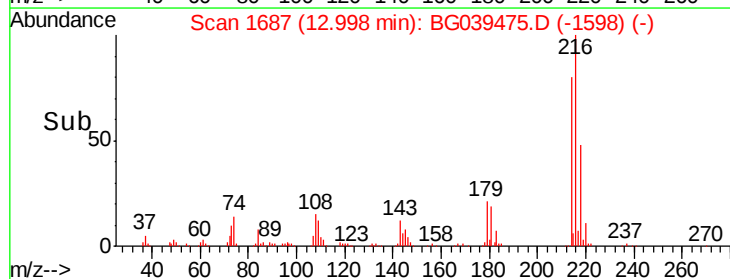
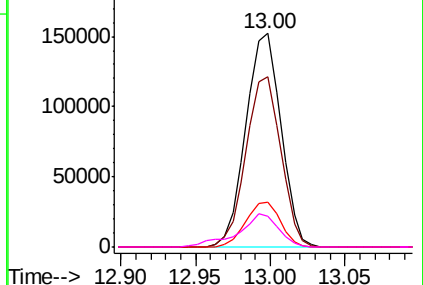


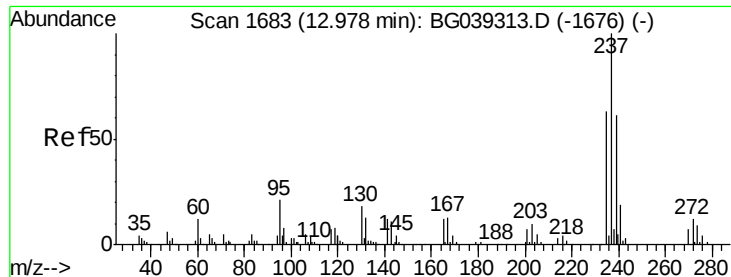
Abundance Ion 216.00 (215.70 to 216.70): E

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: 93.400 ng

RT: 12.96 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

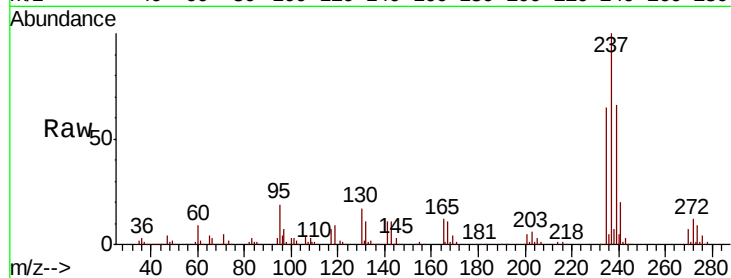
Tgt Ion:237 Resp: 262139

Ion Ratio Lower Upper

237 100

235 65.0 43.3 83.3

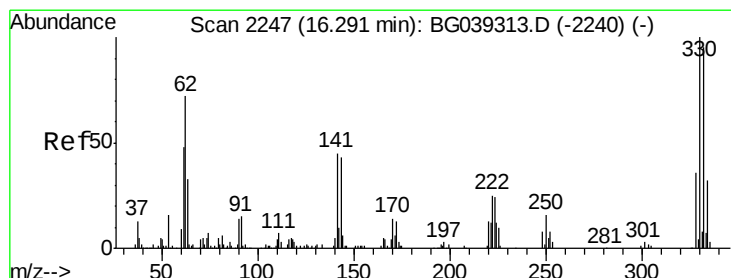
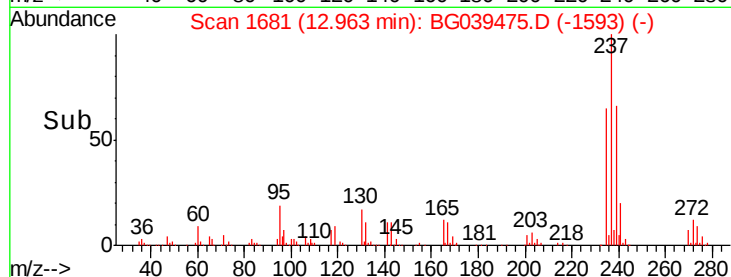
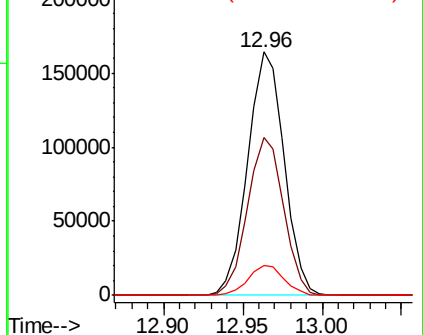
272 12.4 0.0 32.3



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: 179.188 ng

RT: 16.29 min Scan# 2247

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

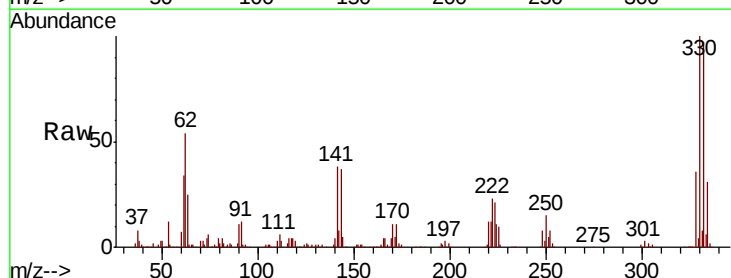
Tgt Ion:330 Resp: 312358

Ion Ratio Lower Upper

330 100

332 96.1 75.7 113.5

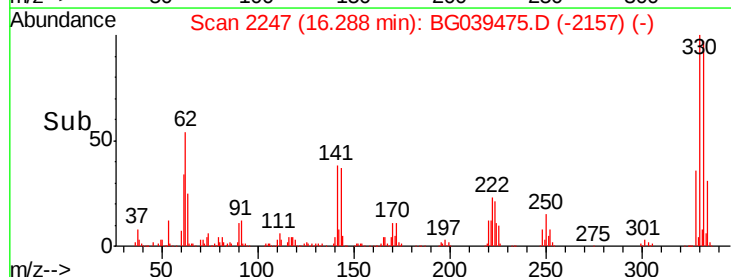
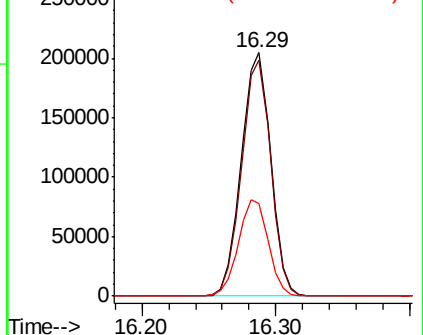
141 40.0 35.6 53.4

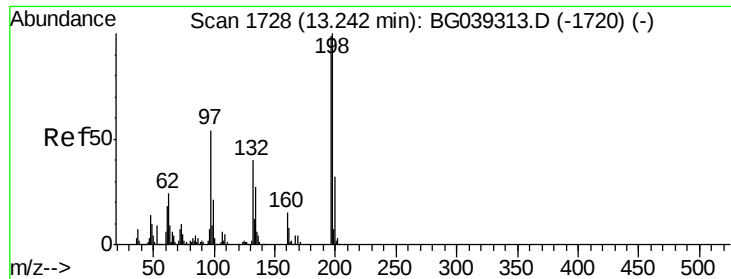


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

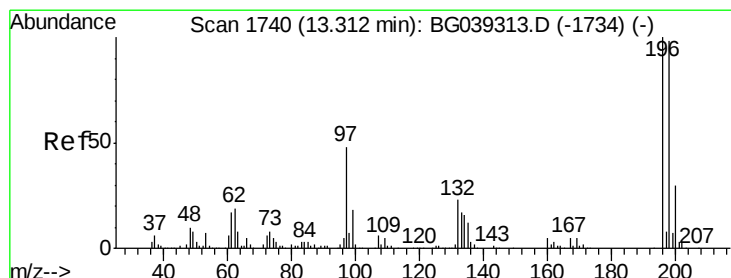
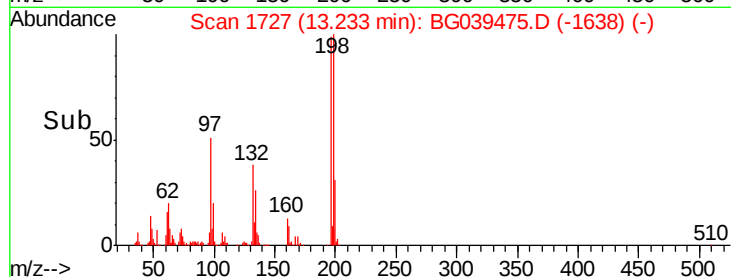
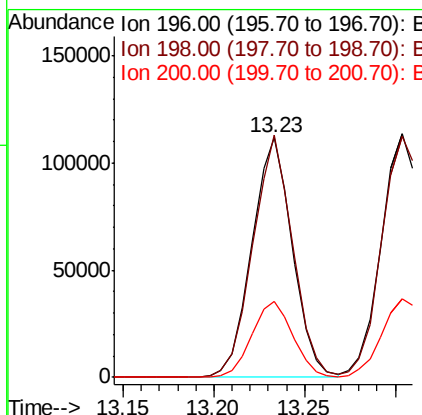
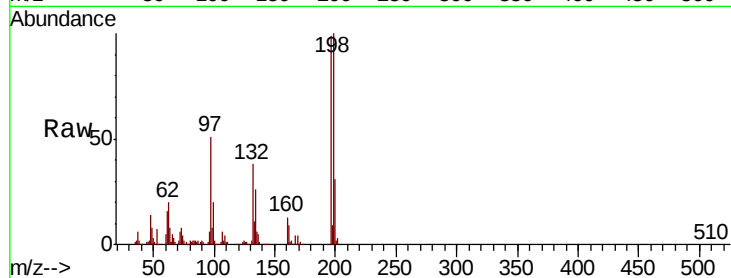




#43
 2,4,6-Trichlorophenol
 Concen: 55.192 ng
 RT: 13.23 min Scan# 1727
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

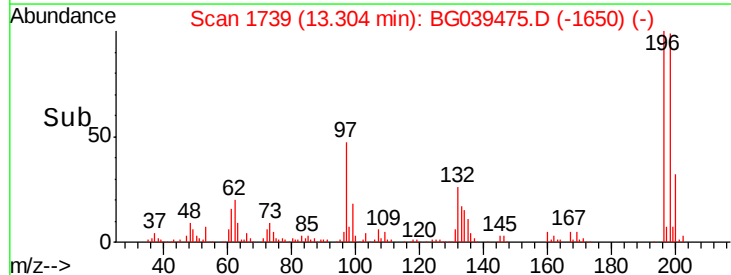
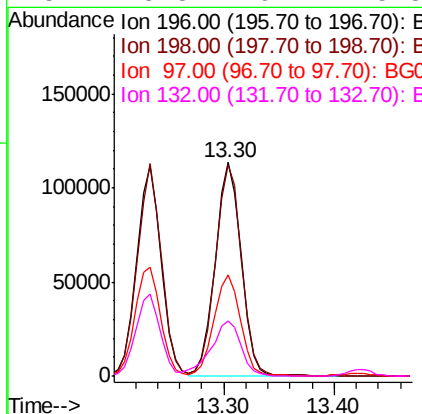
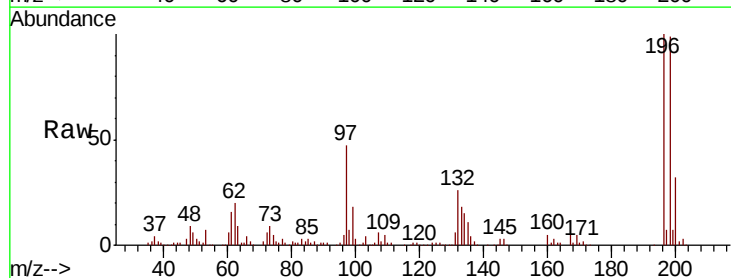
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:196 Resp: 174786
 Ion Ratio Lower Upper
 196 100
 198 101.1 80.6 121.0
 200 31.5 26.1 39.1



#44
 2,4,5-Trichlorophenol
 Concen: 55.769 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:196 Resp: 185105
 Ion Ratio Lower Upper
 196 100
 198 99.0 78.5 117.7
 97 47.3 38.4 57.6
 132 25.8 19.2 28.8

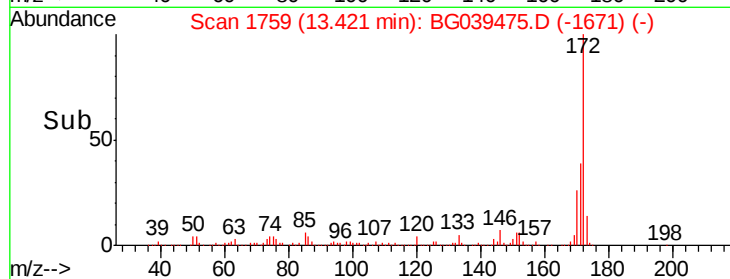
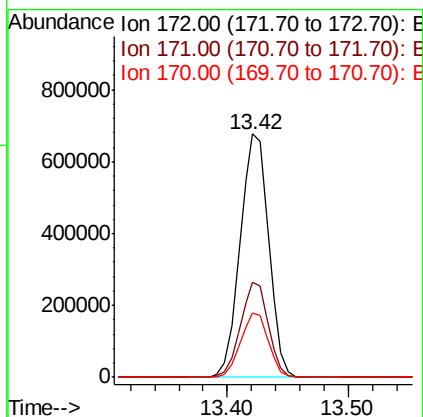
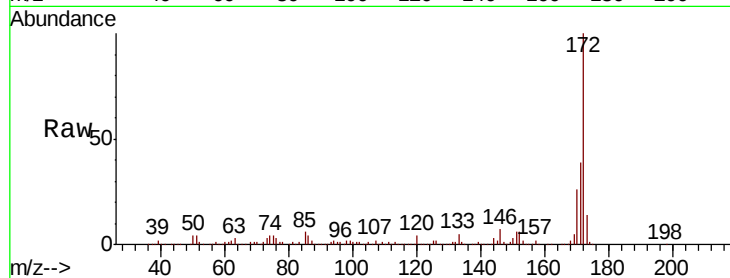




#45
 2-Fluorobiphenyl
 Concen: 98.881 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

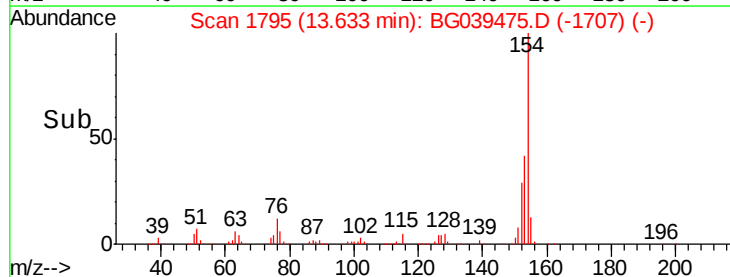
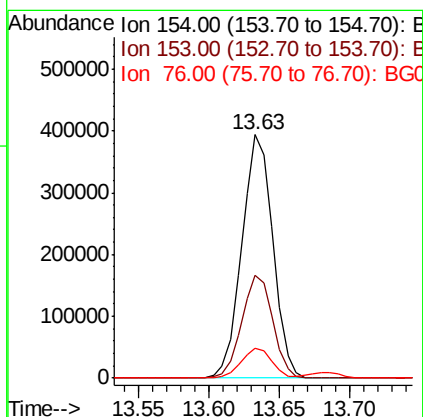
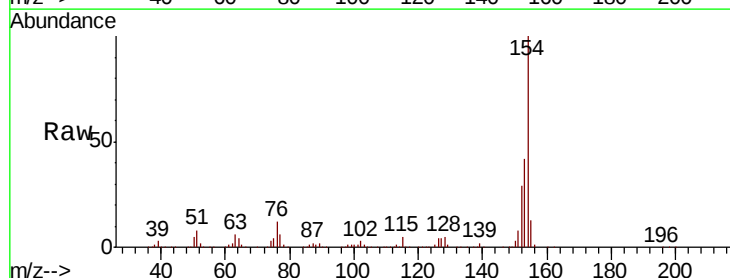
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

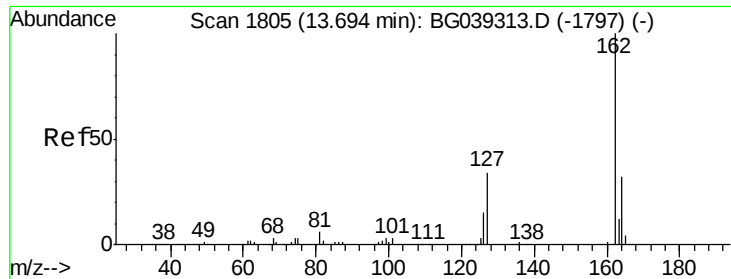
Tgt Ion:172 Resp: 1115817
 Ion Ratio Lower Upper
 172 100
 171 39.3 30.8 46.2
 170 26.3 20.2 30.4



#46
 1,1'-Biphenyl
 Concen: 44.884 ng
 RT: 13.63 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:154 Resp: 604544
 Ion Ratio Lower Upper
 154 100
 153 42.1 22.1 62.1
 76 12.0 0.0 32.4

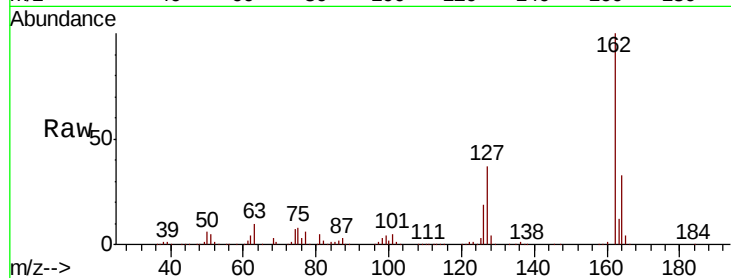




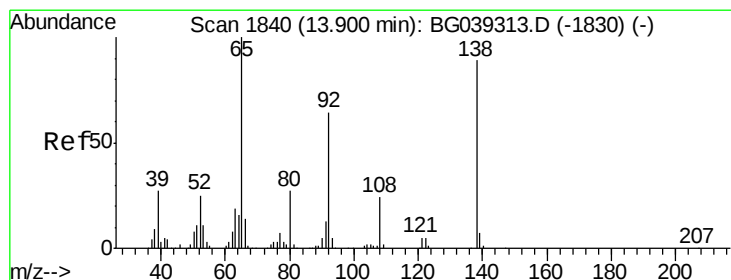
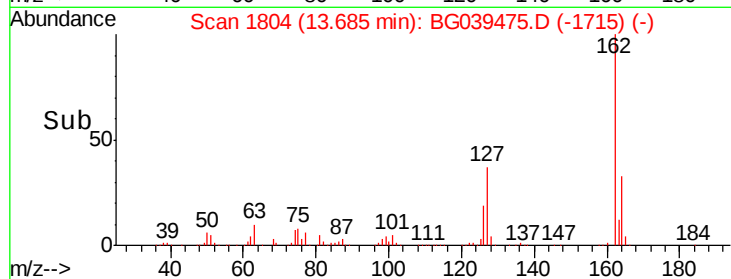
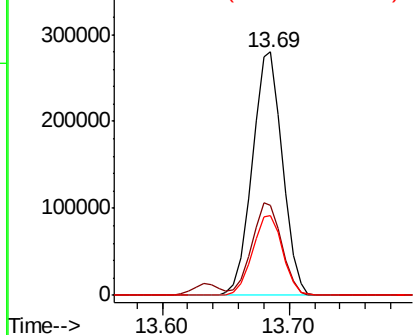
#47
 2-Chloronaphthalene
 Concen: 45.645 ng
 RT: 13.69 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion: 162 Resp: 462489
 Ion Ratio Lower Upper
 162 100
 127 37.1 31.0 46.6
 164 32.7 25.7 38.5

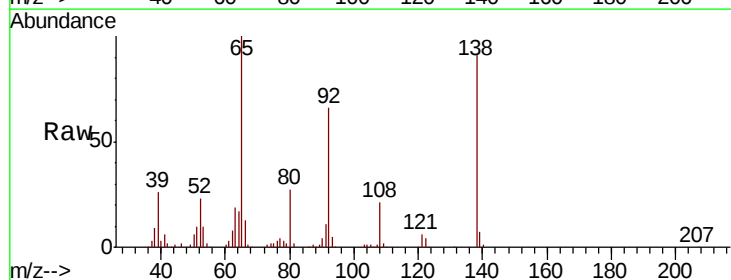


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

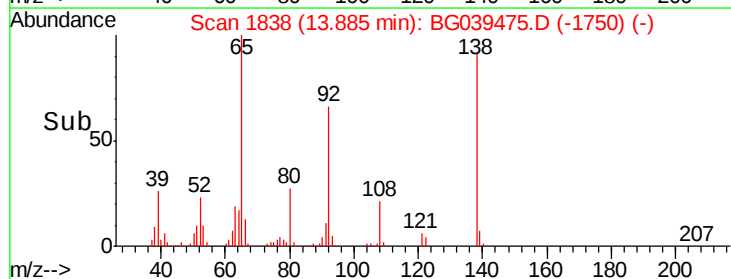
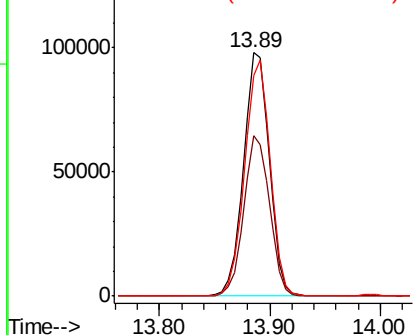


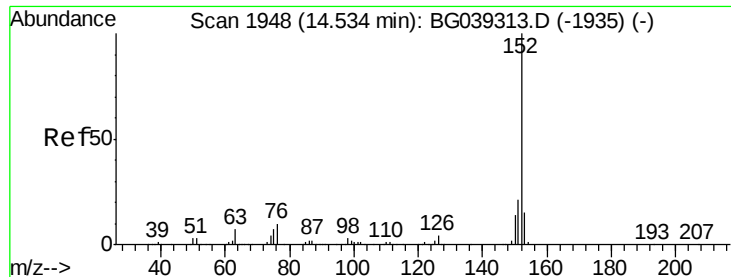
#48
 2-Nitroaniline
 Concen: 54.249 ng
 RT: 13.89 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion: 65 Resp: 161700
 Ion Ratio Lower Upper
 65 100
 92 65.7 51.4 77.2
 138 90.6 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: 48.583 ng

RT: 14.53 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

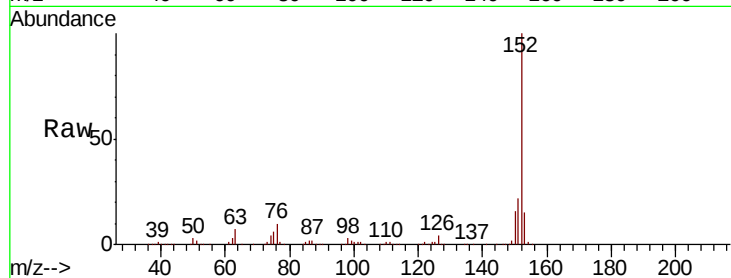
Tgt Ion:152 Resp: 742777

Ion Ratio Lower Upper

152 100

151 22.0 16.8 25.2

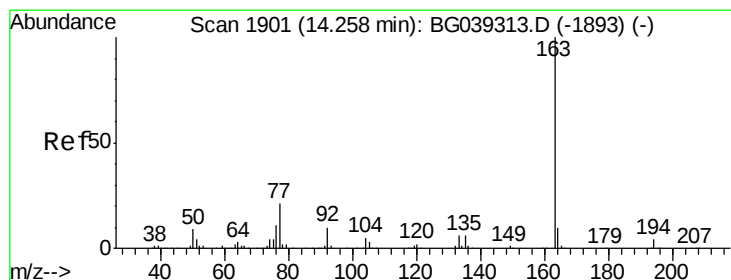
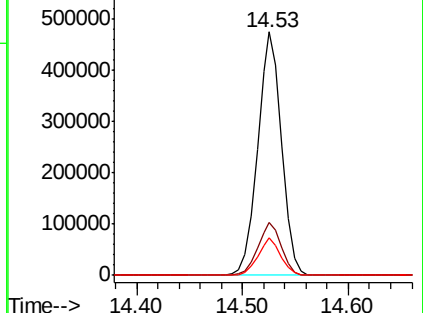
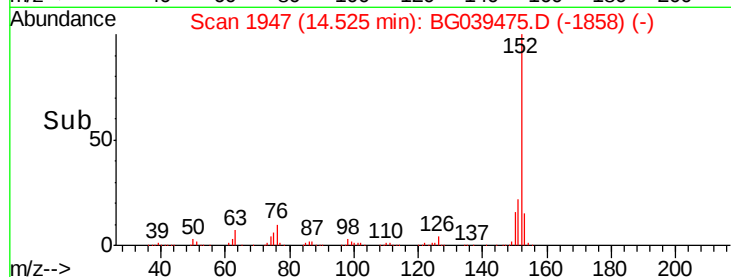
153 15.3 11.7 17.5



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: 47.073 ng

RT: 14.24 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

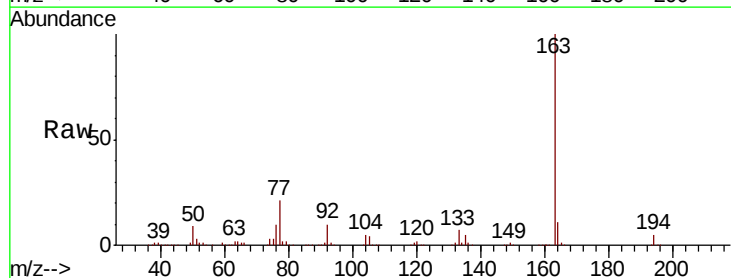
Tgt Ion:163 Resp: 615441

Ion Ratio Lower Upper

163 100

194 4.6 3.6 5.4

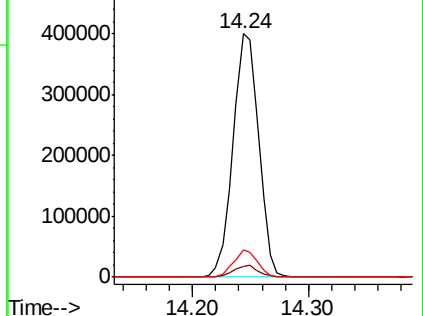
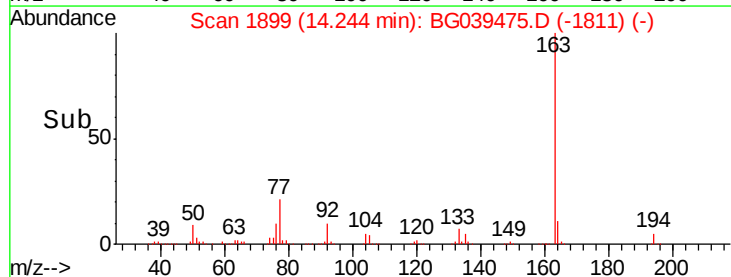
164 11.0 8.4 12.6

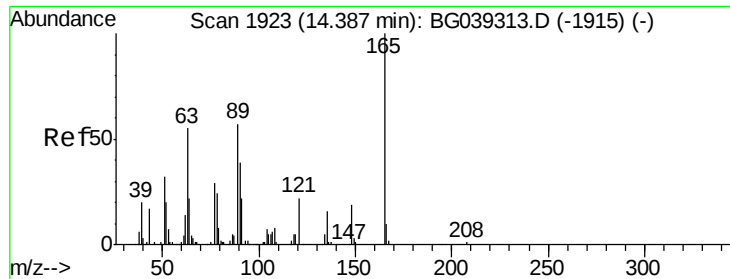


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

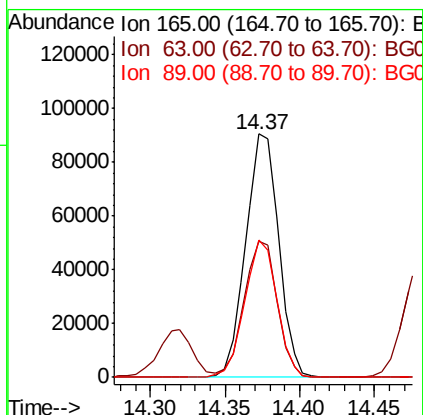
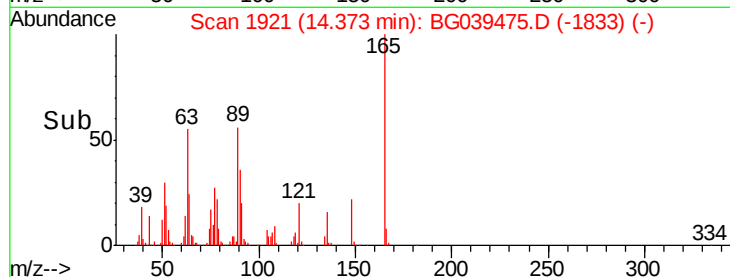
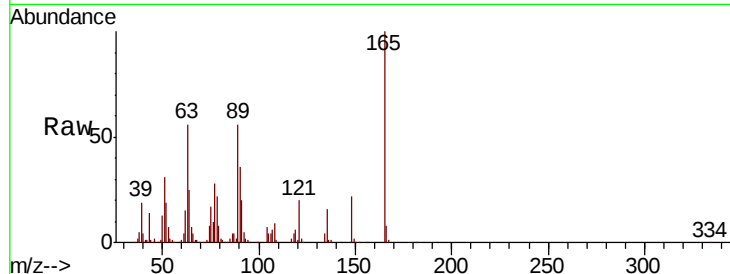




#51
 2,6-Dinitrotoluene
 Concen: 55.366 ng
 RT: 14.37 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

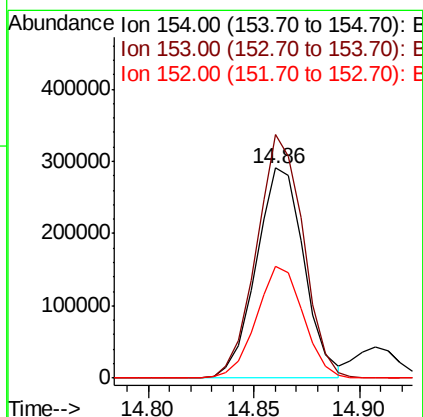
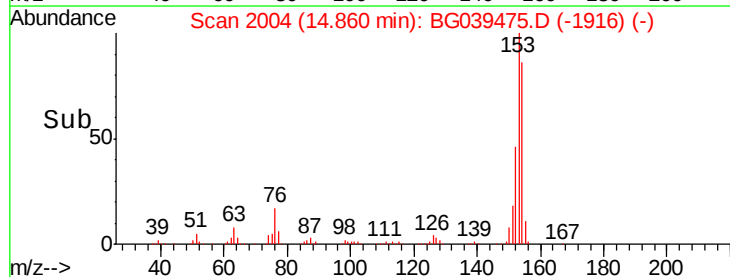
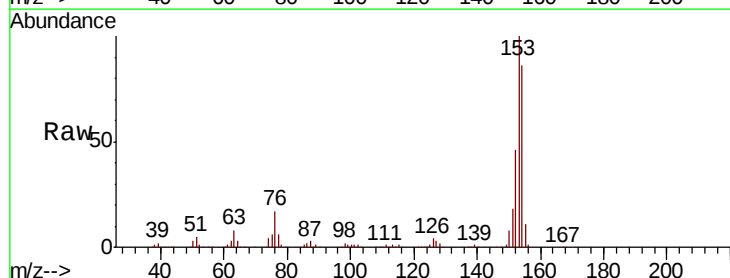
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.6
89	56.3	45.8	68.8



#52
 Acenaphthene
 Concen: 46.145 ng
 RT: 14.86 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.9	90.1	135.1
152	53.5	40.9	61.3





#53

3-Nitroaniline

Concen: 12.589 ng

RT: 14.70 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

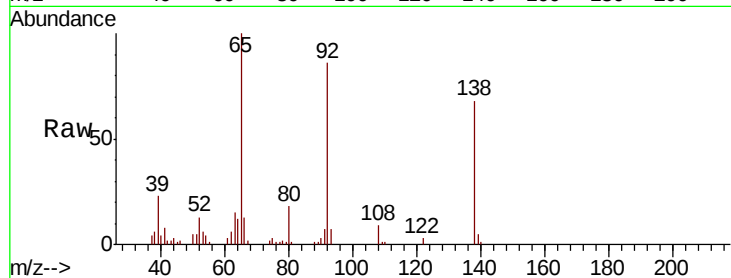
Tgt Ion:138 Resp: 20378

Ion Ratio Lower Upper

138 100

108 13.8 13.8 20.8#

92 125.7 103.7 155.5

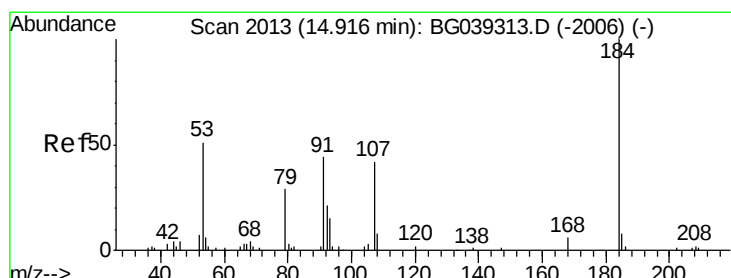
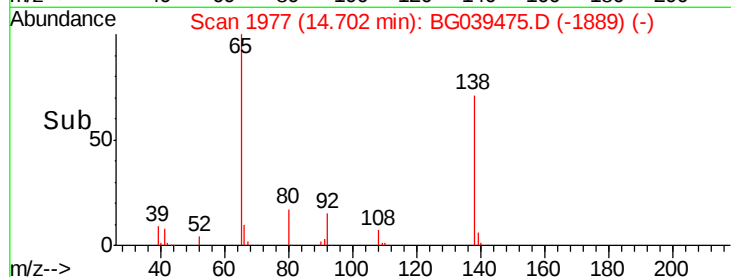
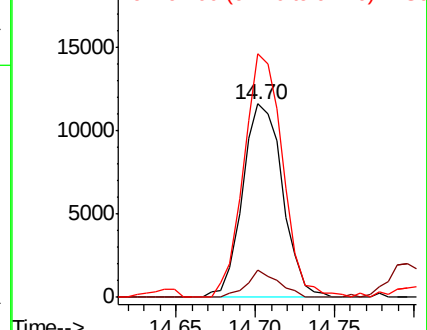


Abundance

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: 91.315 ng

RT: 14.91 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

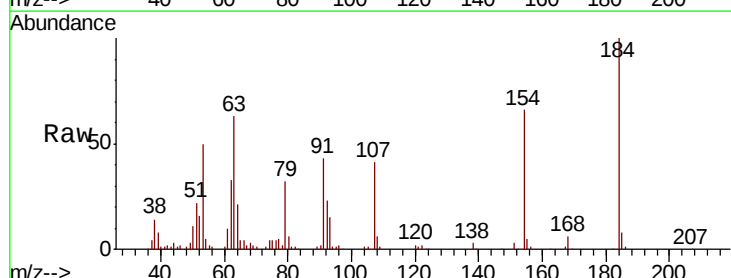
Tgt Ion:184 Resp: 105537

Ion Ratio Lower Upper

184 100

63 63.5 50.9 76.3

154 66.0 53.0 79.6

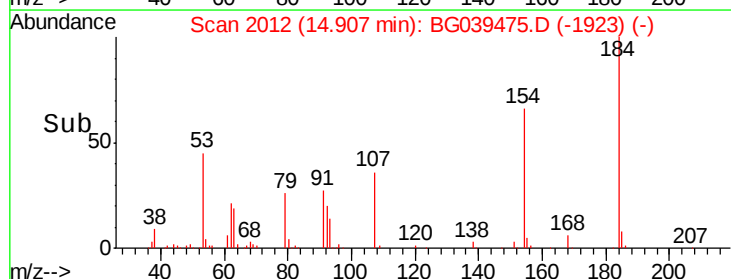
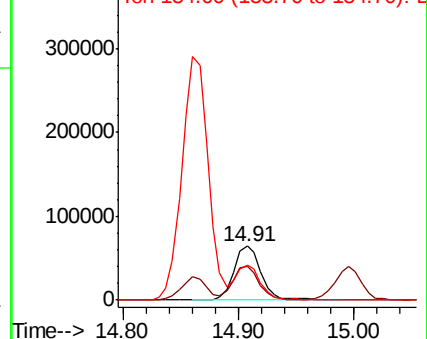


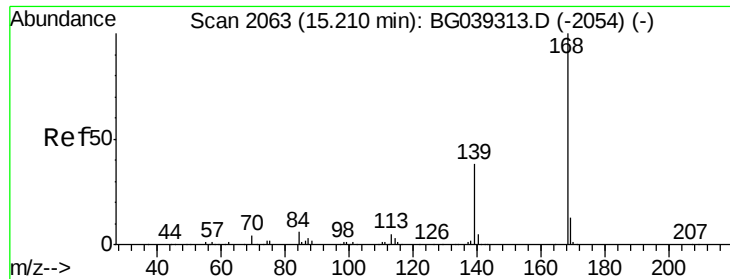
Abundance

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

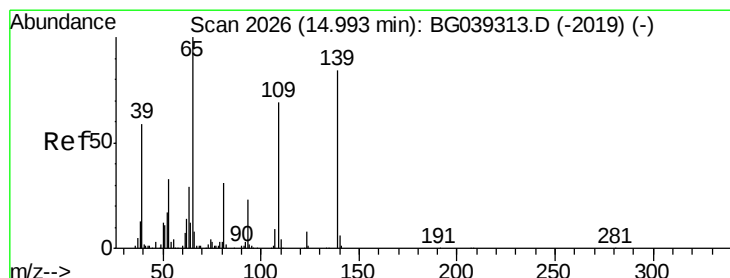
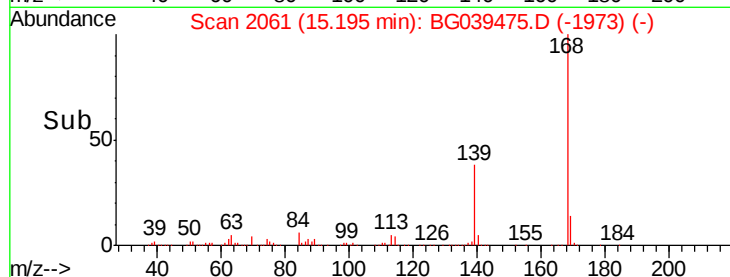
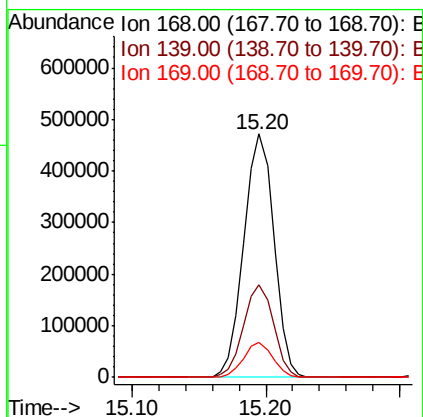
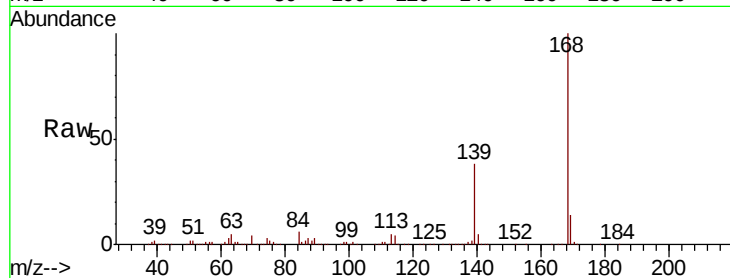




#55
Dibenzofuran
Concen: 46.197 ng
RT: 15.20 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

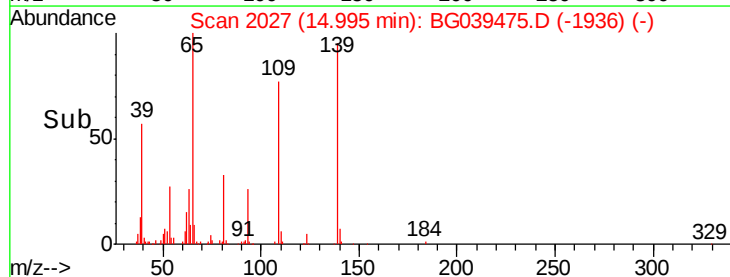
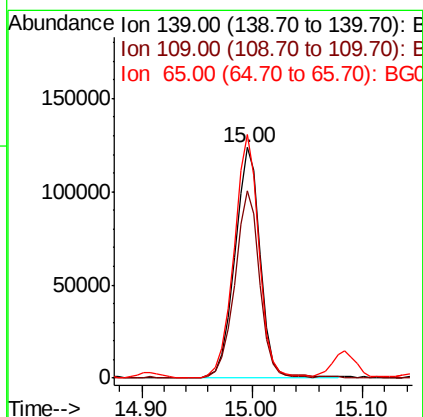
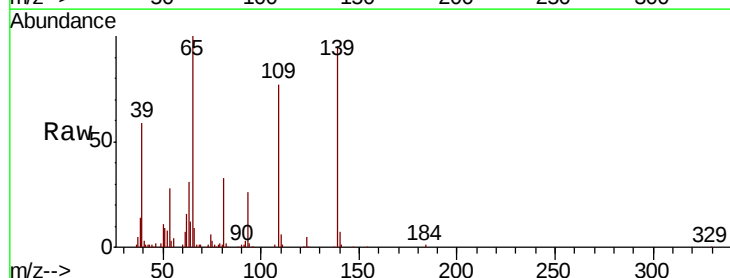
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:168 Resp: 735083
Ion Ratio Lower Upper
168 100
139 38.3 30.1 45.1
169 14.2 10.6 16.0



#56
4-Nitrophenol
Concen: 84.114 ng
RT: 15.00 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:139 Resp: 199598
Ion Ratio Lower Upper
139 100
109 81.2 61.9 101.9
65 105.6 99.1 139.1





#57

2,4-Dinitrotoluene

Concen: 59.376 ng

RT: 15.16 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

Tgt Ion:165 Resp: 192781

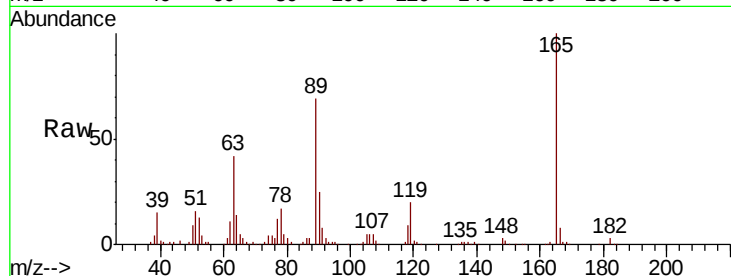
Ion Ratio Lower Upper

165 100

63 42.0 41.0 61.6

89 69.0 64.6 96.8

182 3.2 2.0 3.0#

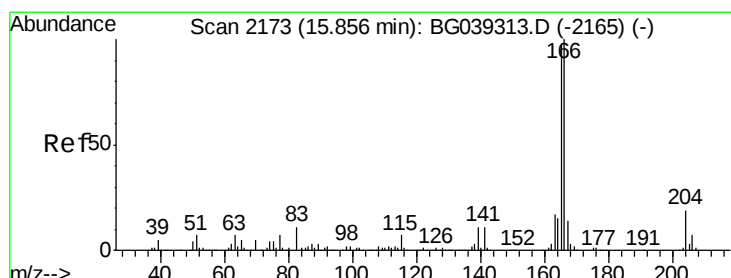
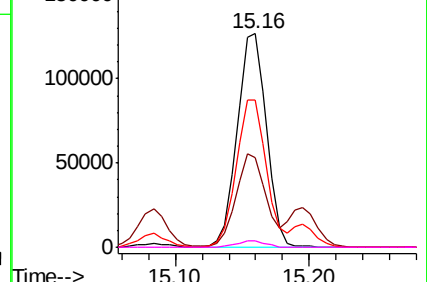
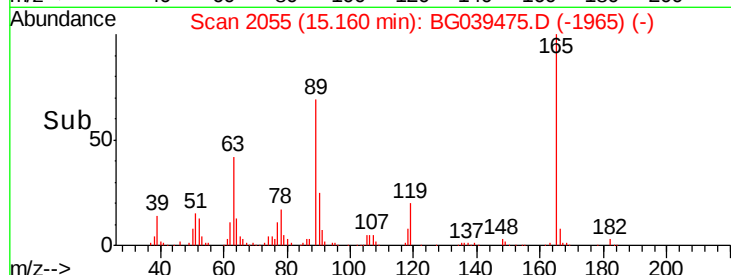


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 49.305 ng

RT: 15.84 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

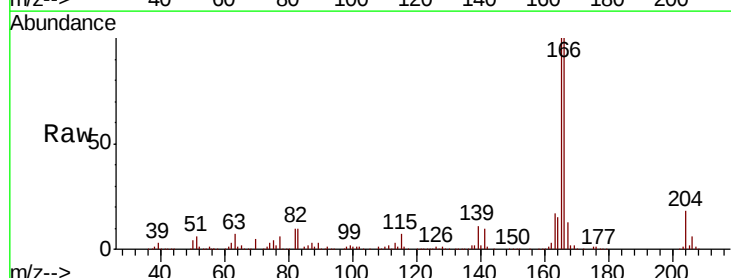
Tgt Ion:166 Resp: 584845

Ion Ratio Lower Upper

166 100

165 100.1 77.9 116.9

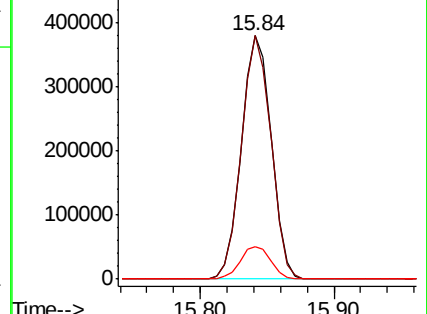
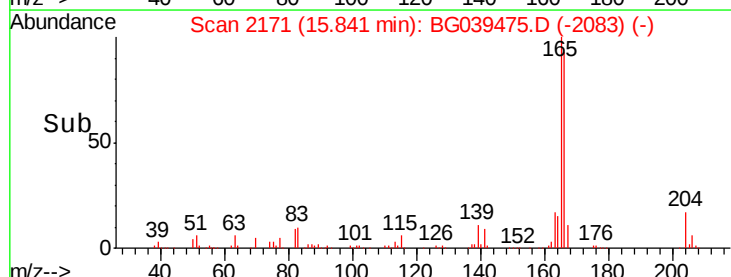
167 13.4 10.8 16.2



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

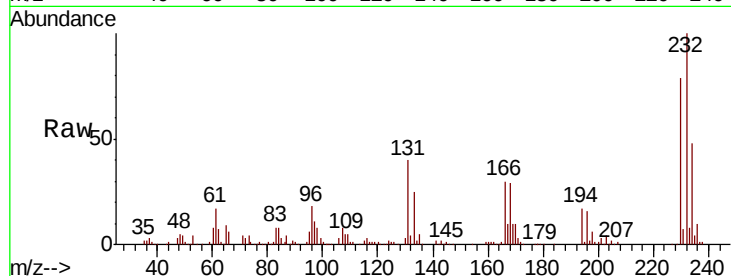




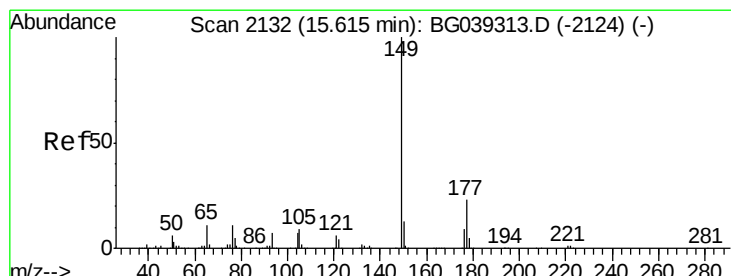
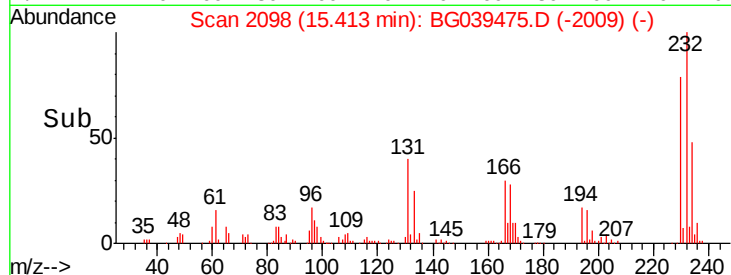
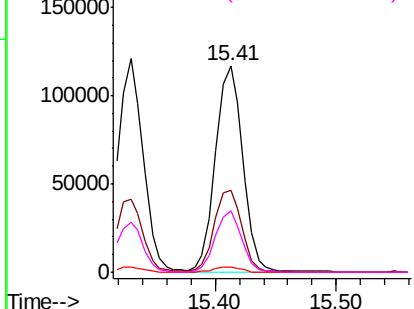
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 58.767 ng
 RT: 15.41 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:	232	Resp:	182633
Ion	Ratio	Lower	Upper
232	100		
131	39.9	34.9	52.3
130	2.6	2.0	3.0
166	28.8	24.1	36.1

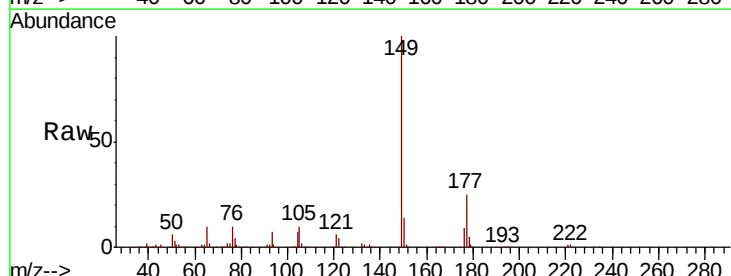


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

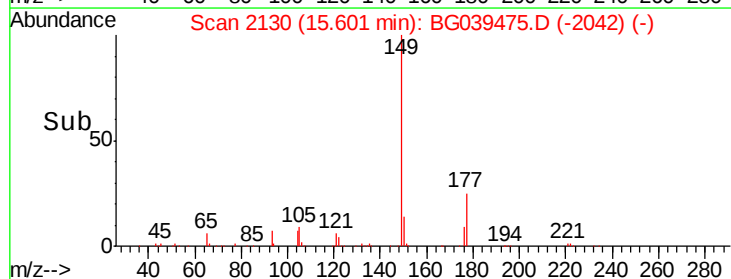
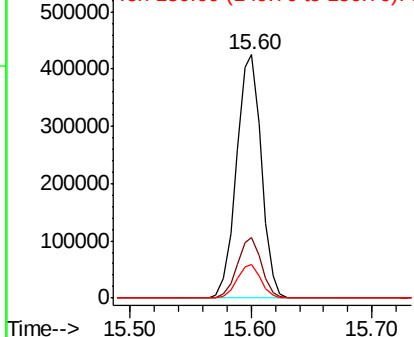


#60
 Diethylphthalate
 Concen: 45.075 ng
 RT: 15.60 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:	149	Resp:	609309
Ion	Ratio	Lower	Upper
149	100		
177	24.8	18.3	27.5
150	13.7	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

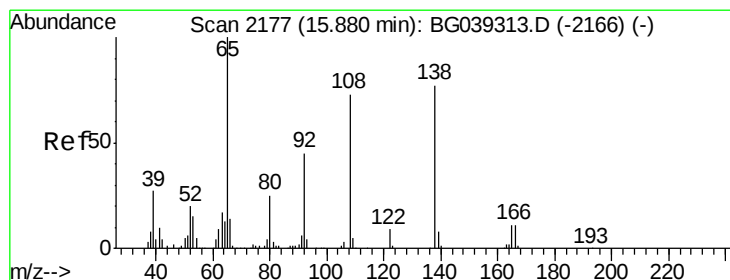
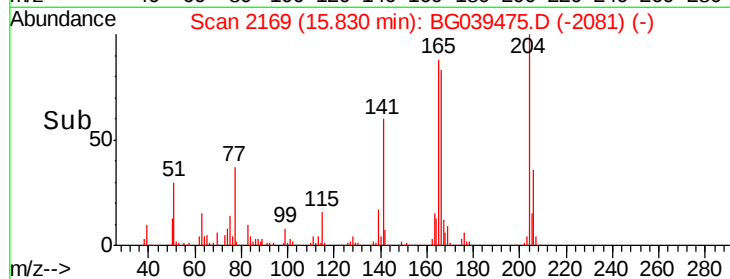
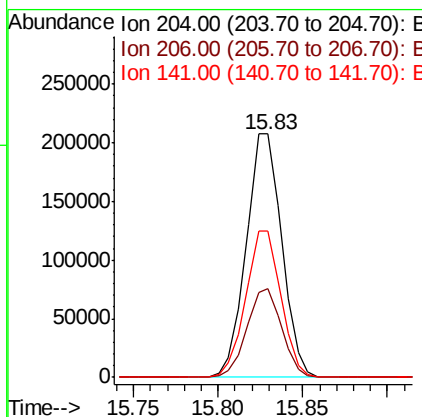
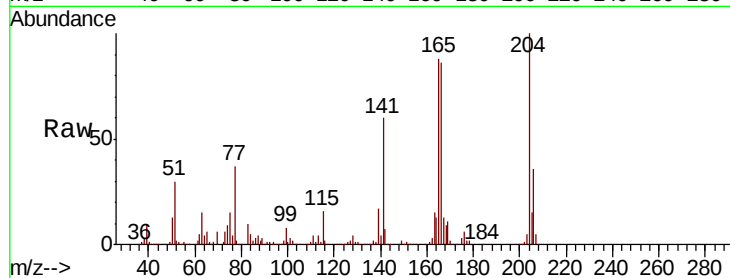




#61
4-Chlorophenyl-phenylether
Concen: 45.424 ng
RT: 15.83 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

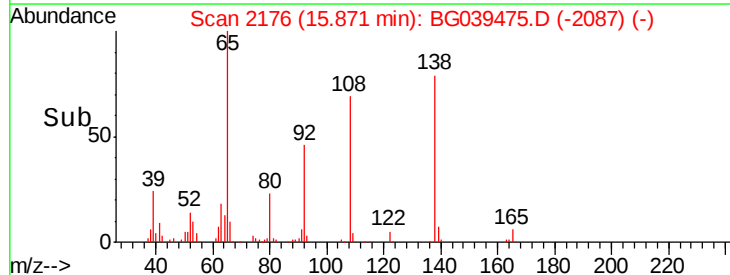
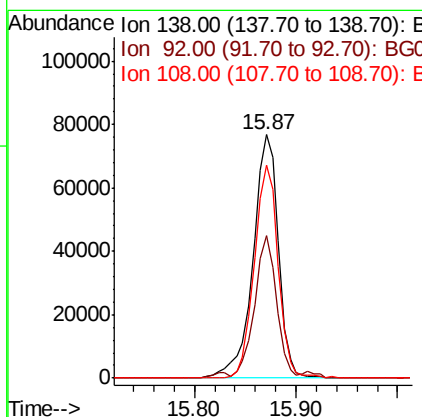
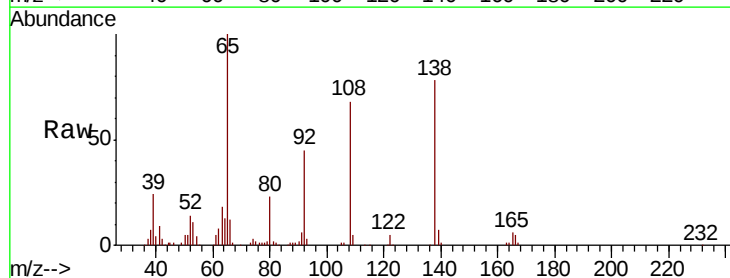
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion: 204 Resp: 305088
Ion Ratio Lower Upper
204 100
206 36.5 29.2 43.8
141 60.0 49.0 73.4



#62
4-Nitroaniline
Concen: 48.563 ng
RT: 15.87 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion: 138 Resp: 133290
Ion Ratio Lower Upper
138 100
92 58.3 38.7 78.7
108 87.3 74.6 114.6

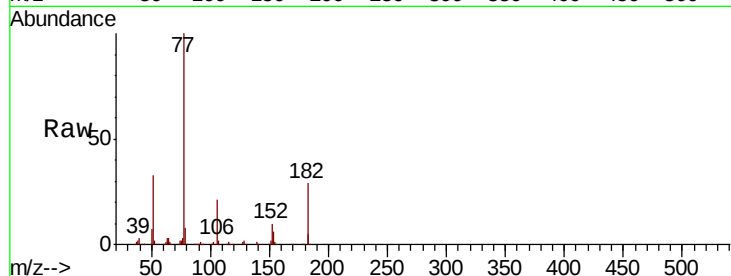




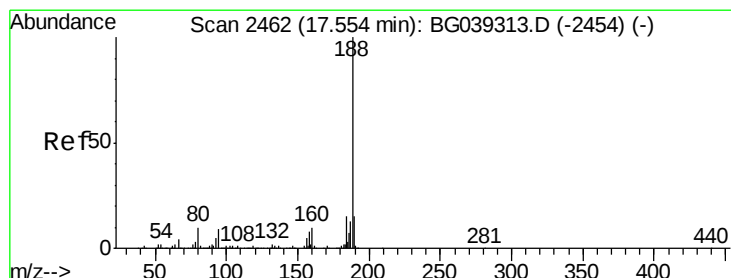
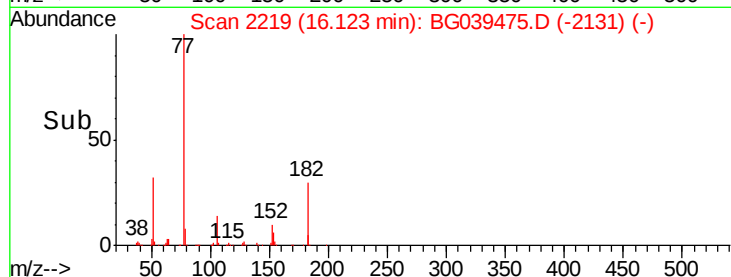
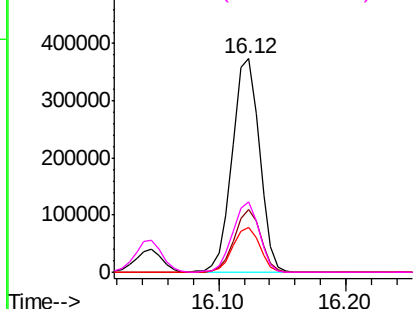
#63
Azobenzene
Concen: 41.940 ng
RT: 16.12 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:	77	Resp:	554123
Ion	Ratio	Lower	Upper
77	100		
182	29.3	6.4	46.4
105	20.8	0.0	39.8
51	33.1	14.1	54.1

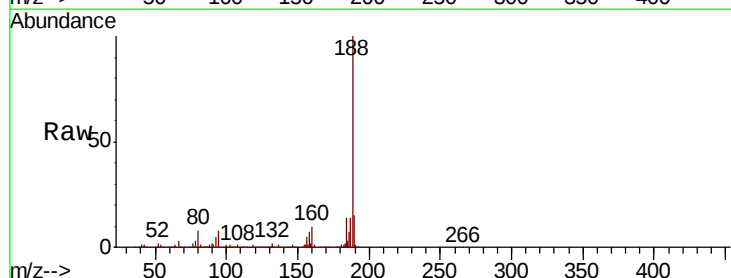


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

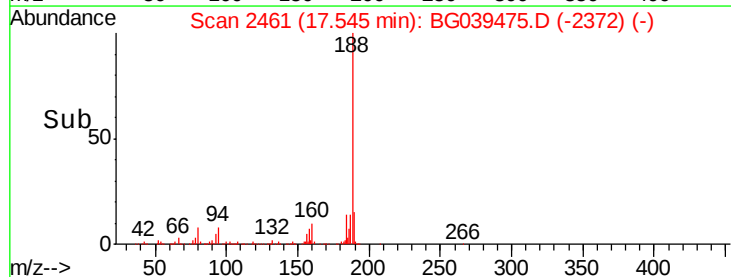
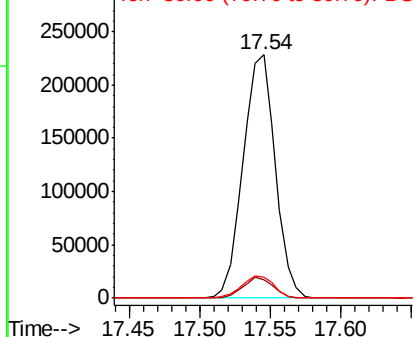


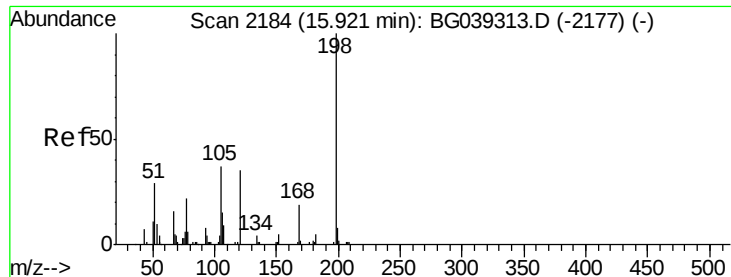
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.54 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:	188	Resp:	364389
Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	8.4	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: 58.841 ng

RT: 15.91 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

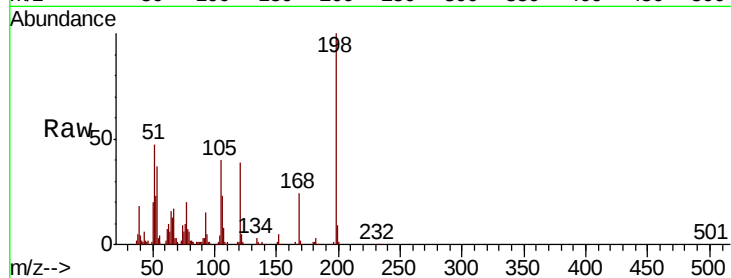
Tgt Ion:198 Resp: 92055

Ion Ratio Lower Upper

198 100

51 46.8 27.4 67.4

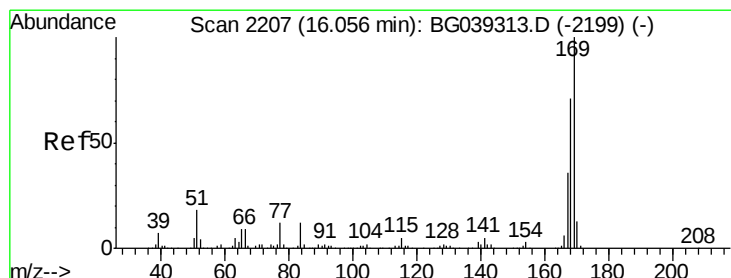
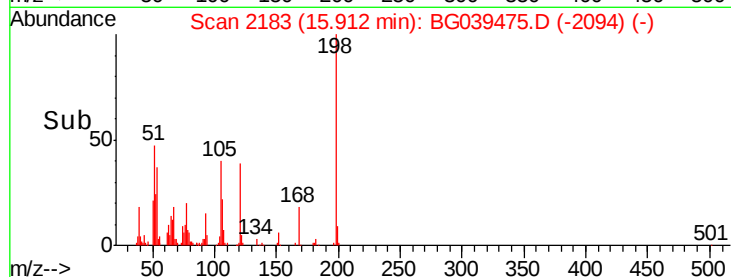
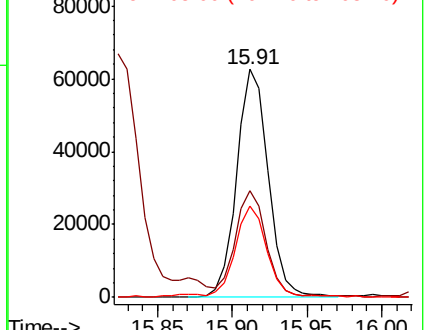
105 40.1 19.7 59.7



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: 48.390 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

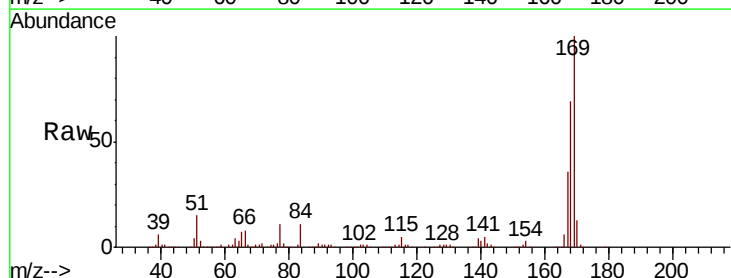
Tgt Ion:169 Resp: 536156

Ion Ratio Lower Upper

169 100

168 69.0 56.6 85.0

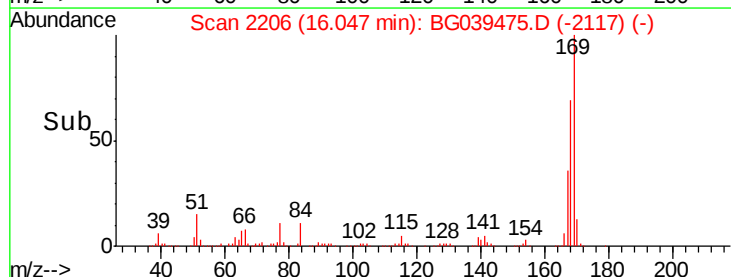
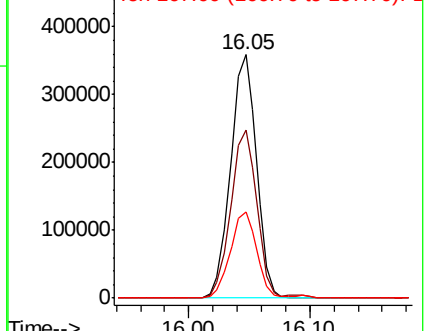
167 35.6 28.8 43.2

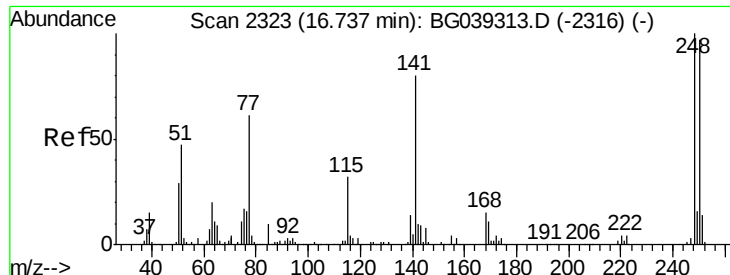


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

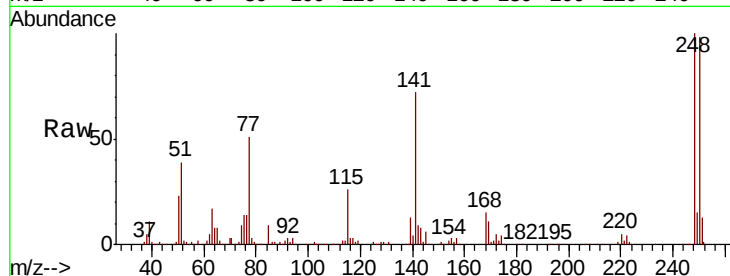




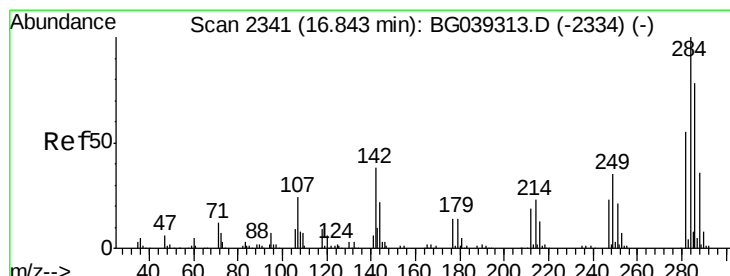
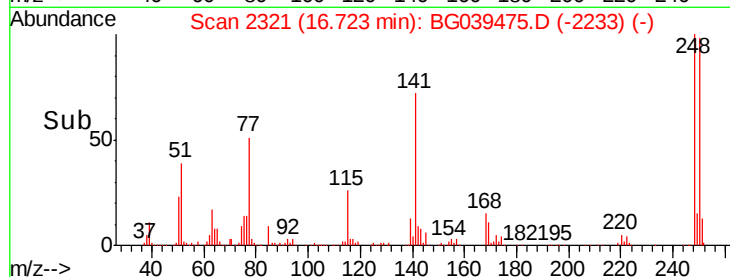
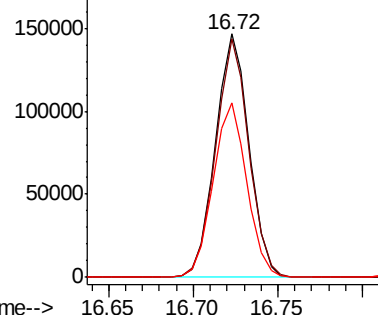
#67
4-Bromophenyl-phenylether
Concen: 50.000 ng
RT: 16.72 min Scan# 2321
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion:248 Resp: 202124
Ion Ratio Lower Upper
248 100
250 97.9 77.6 116.4
141 71.7 63.9 95.9

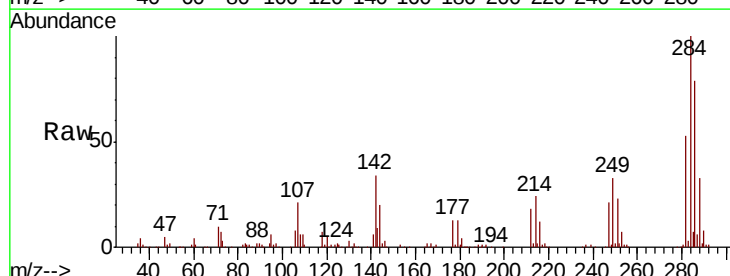


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

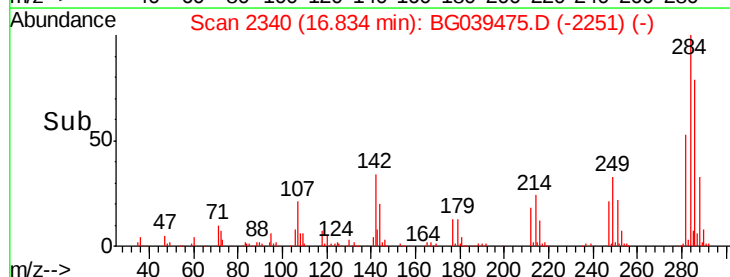
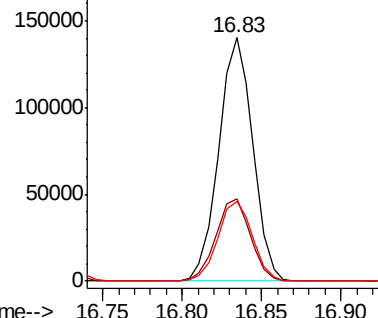


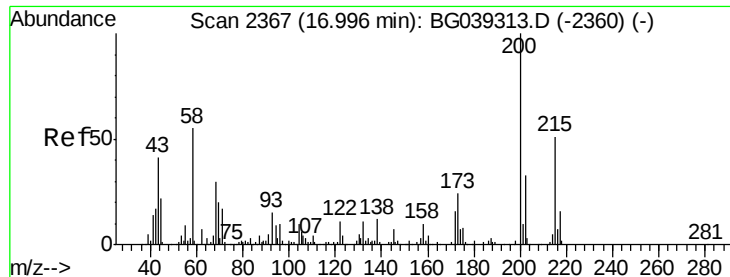
#68
Hexachlorobenzene
Concen: 51.535 ng
RT: 16.83 min Scan# 2340
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:284 Resp: 209018
Ion Ratio Lower Upper
284 100
142 34.0 30.6 45.8
249 32.9 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: 50.557 ng

RT: 16.99 min Scan# 2366

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

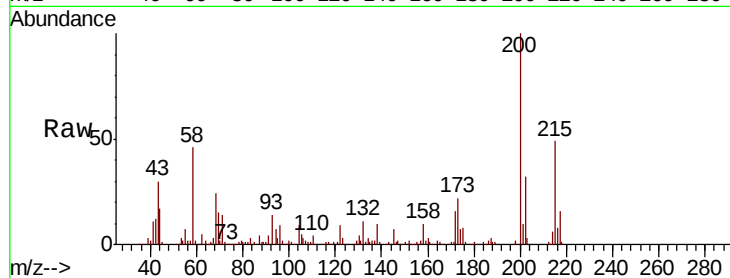
Tgt Ion:200 Resp: 204706

Ion Ratio Lower Upper

200 100

173 22.4 3.9 43.9

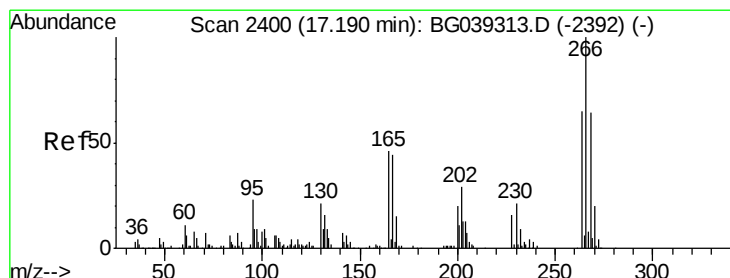
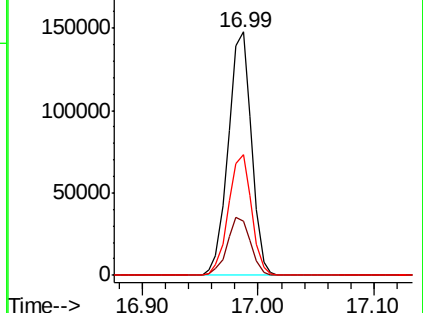
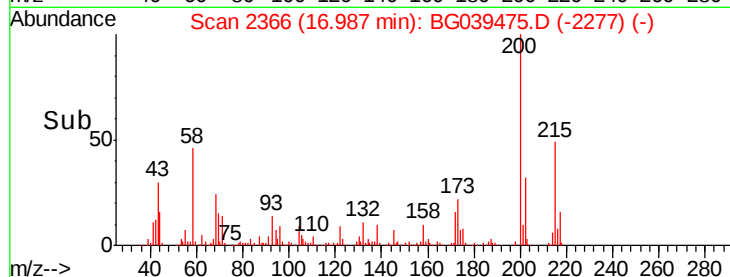
215 49.4 30.9 70.9



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: 89.888 ng

RT: 17.18 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

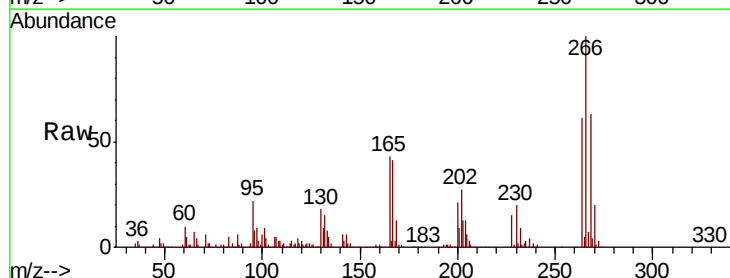
Tgt Ion:266 Resp: 253383

Ion Ratio Lower Upper

266 100

268 62.6 51.1 76.7

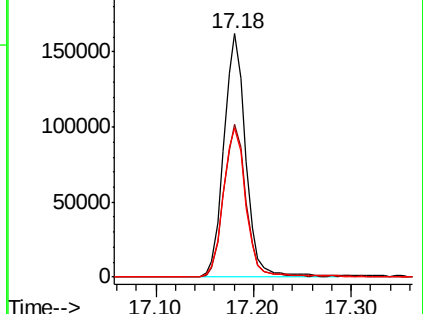
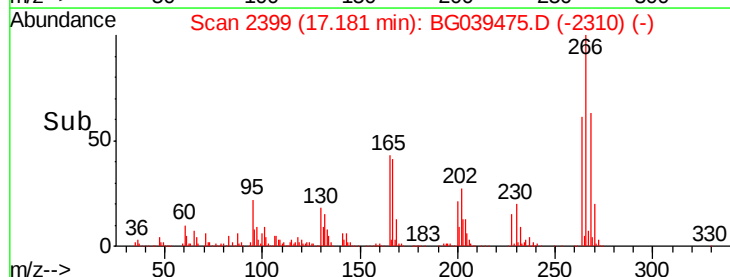
264 61.2 52.1 78.1



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

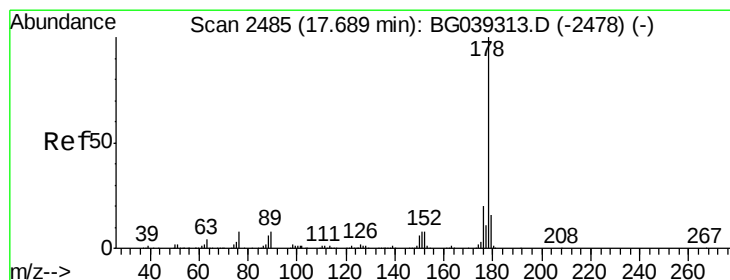
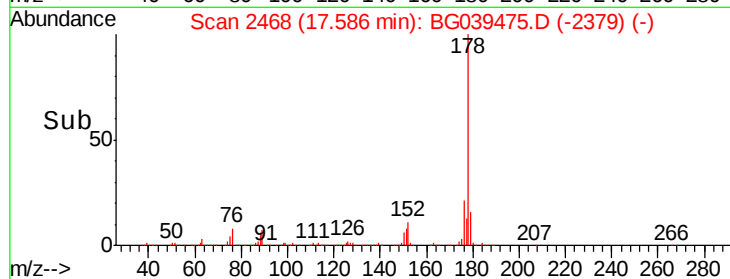
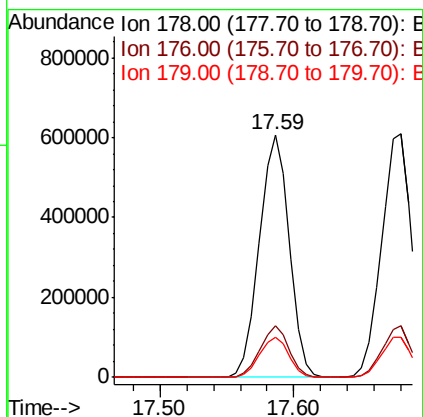
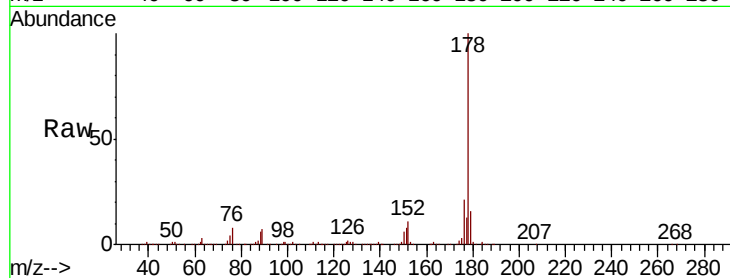




#71
Phenanthrene
Concen: 49.573 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

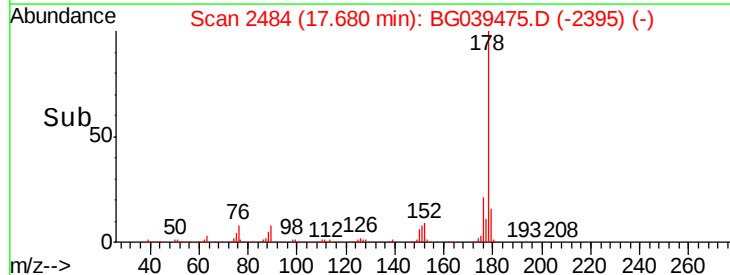
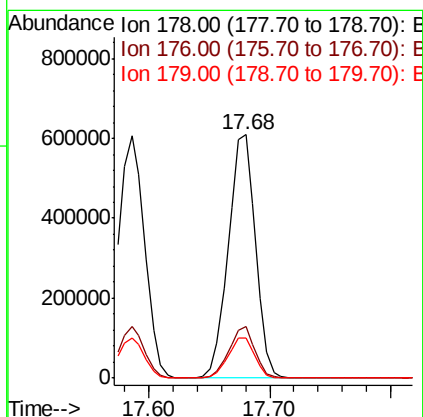
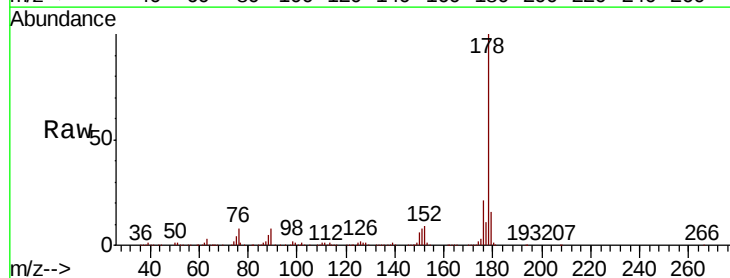
Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

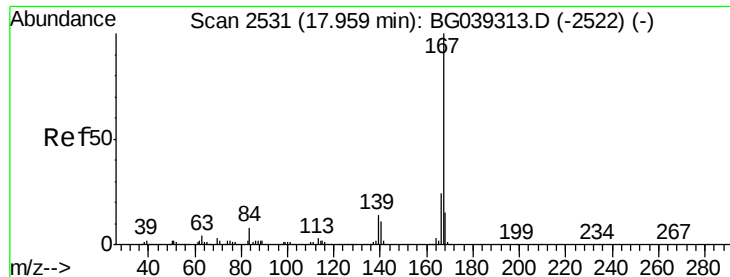
Tgt Ion:178 Resp: 934939
Ion Ratio Lower Upper
178 100
176 21.4 16.2 24.4
179 16.5 12.6 19.0



#72
Anthracene
Concen: 51.149 ng
RT: 17.68 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion:178 Resp: 950195
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.6
179 16.4 12.5 18.7

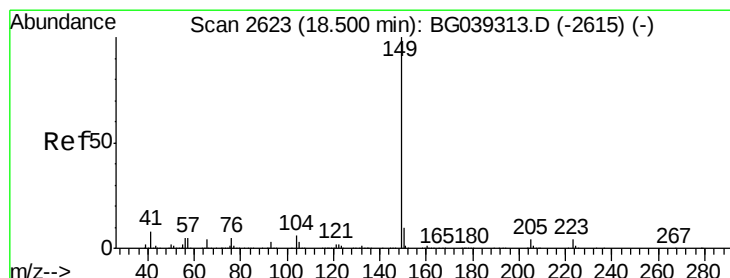
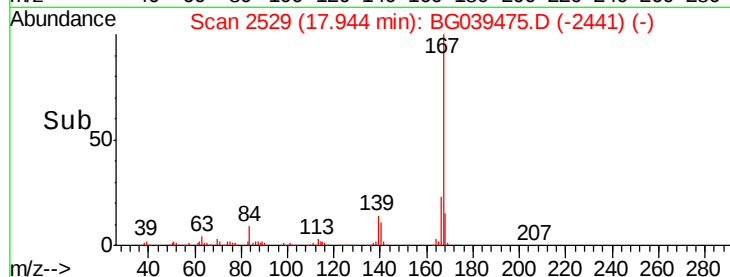
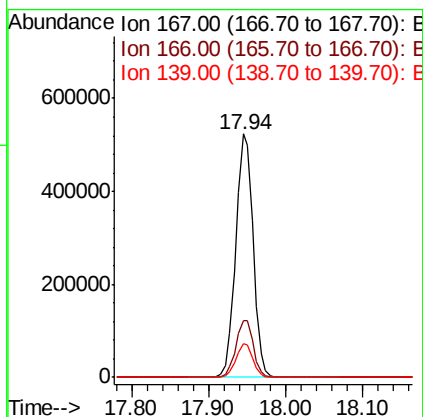
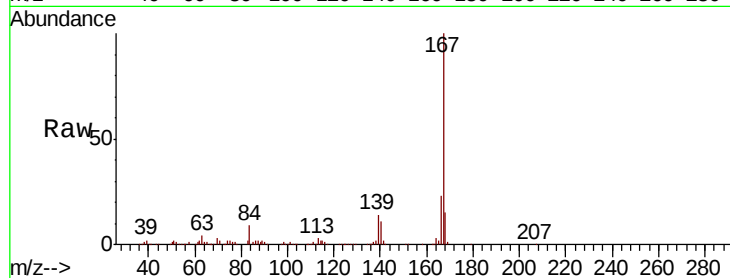




#73
 Carbazole
 Concen: 44.588 ng
 RT: 17.94 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

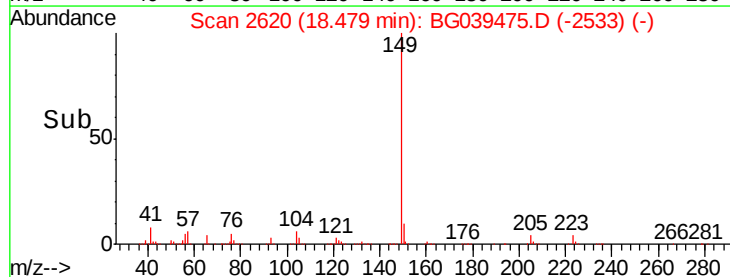
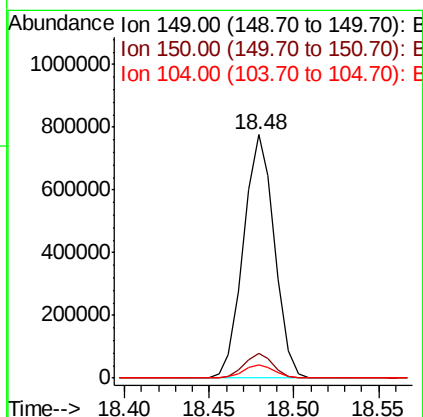
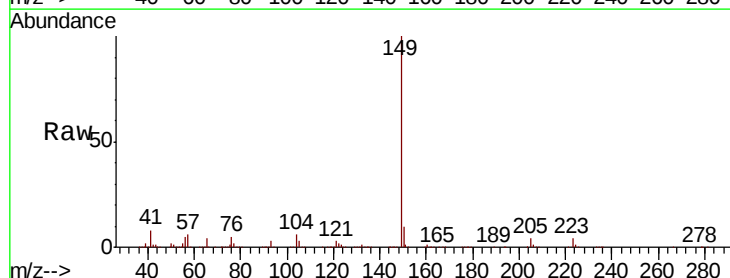
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

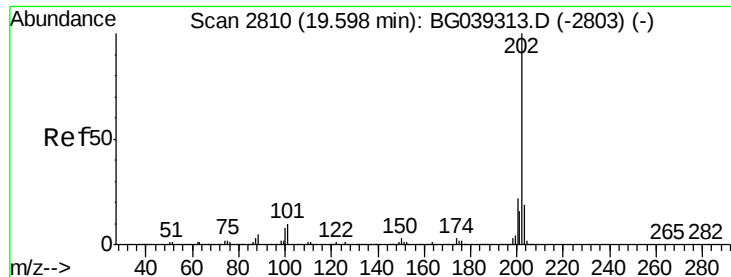
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	19.4	29.2
139	13.8	10.8	16.2



#74
 Di-n-butylphthalate
 Concen: 45.759 ng
 RT: 18.48 min Scan# 2620
 Delta R.T. -0.02 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.7	4.5	6.7





#75

Fluoranthene

Concen: 50.051 ng

RT: 19.58 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

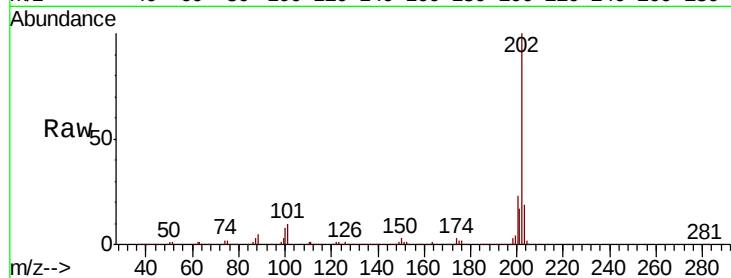
Tgt Ion:202 Resp: 1095635

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.0

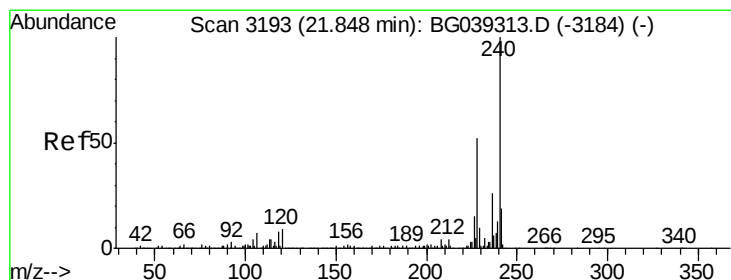
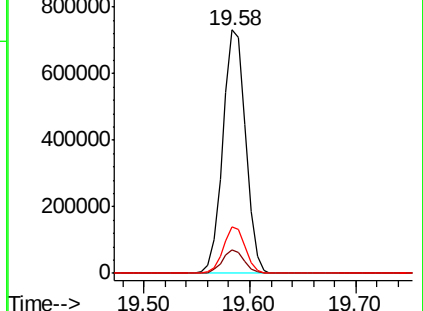
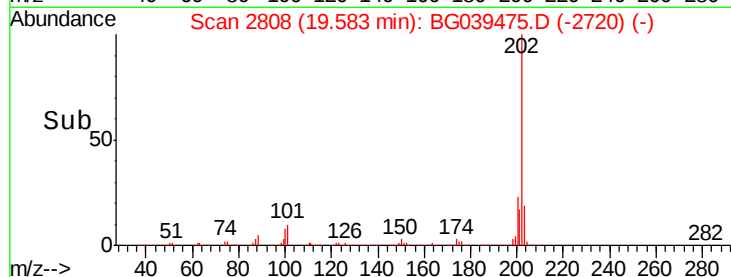
203 19.1 0.0 38.9



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: 21.84 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

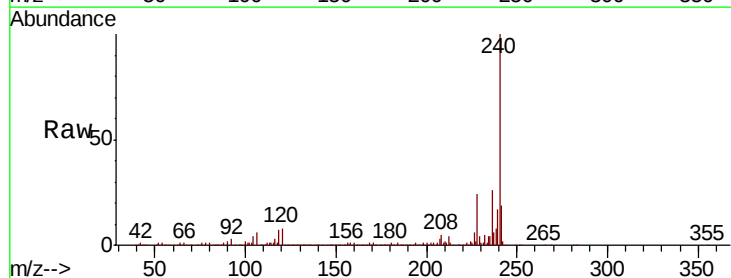
Tgt Ion:240 Resp: 355921

Ion Ratio Lower Upper

240 100

120 8.1 7.0 10.6

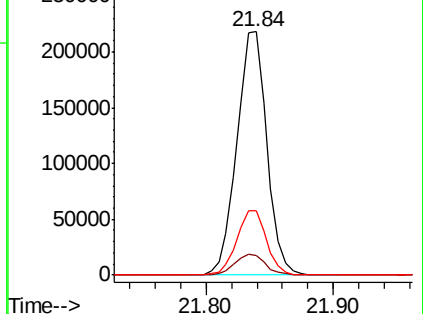
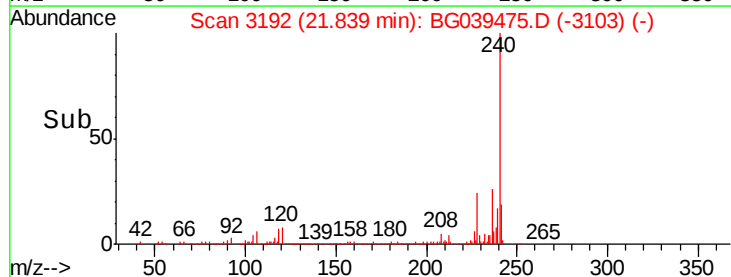
236 26.5 21.0 31.4



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: 14.480 ng

RT: 19.77 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

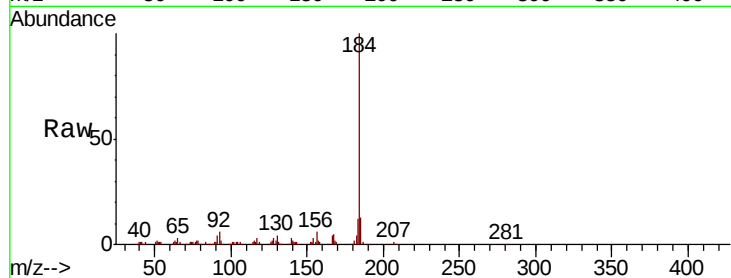
Tgt Ion:184 Resp: 168966

Ion Ratio Lower Upper

184 100

185 13.2 12.2 18.2

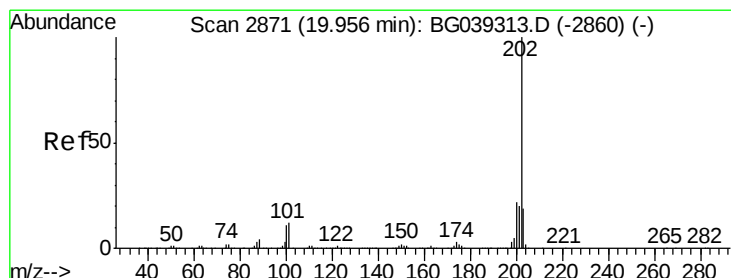
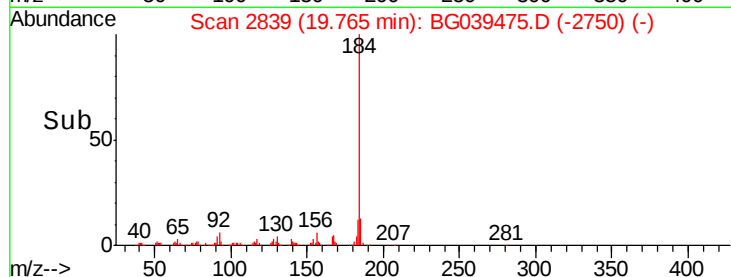
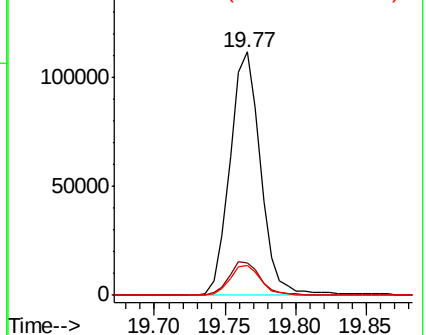
183 12.4 10.6 15.8



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: 49.641 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

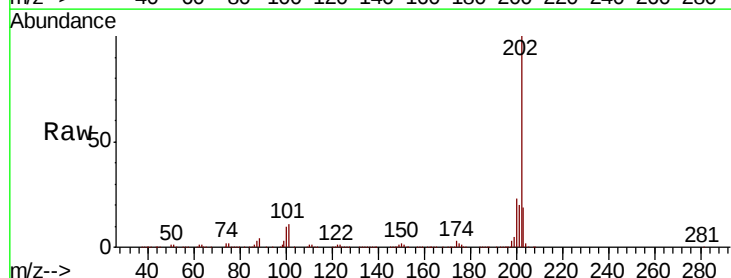
Tgt Ion:202 Resp: 1099895

Ion Ratio Lower Upper

202 100

200 23.5 17.8 26.8

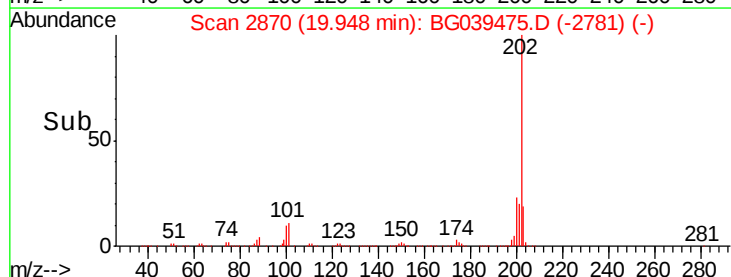
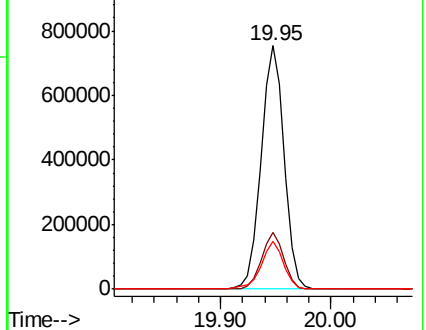
203 19.5 15.3 22.9



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: 98.943 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

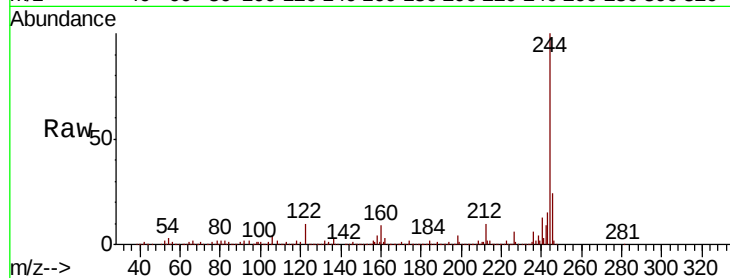
Tgt Ion:244 Resp: 1663728

Ion Ratio Lower Upper

244 100

212 9.7 7.3 10.9

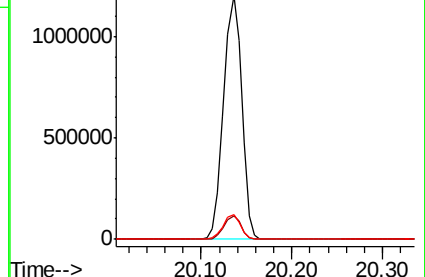
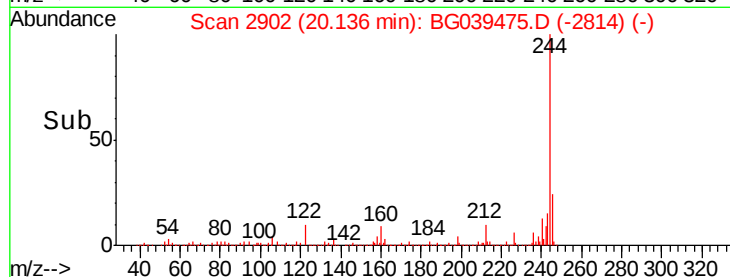
122 10.2 8.4 12.6



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: 50.207 ng

RT: 20.82 min Scan# 3018

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

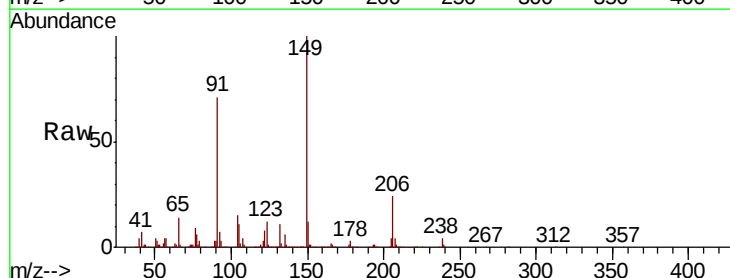
Tgt Ion:149 Resp: 469269

Ion Ratio Lower Upper

149 100

91 71.4 59.5 89.3

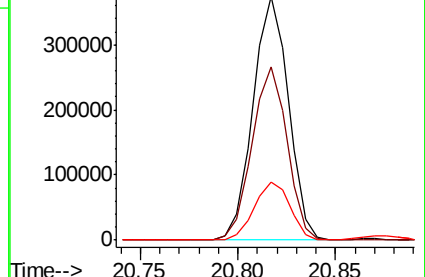
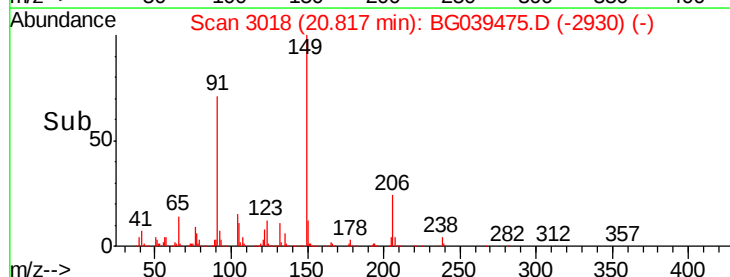
206 23.9 18.6 27.8

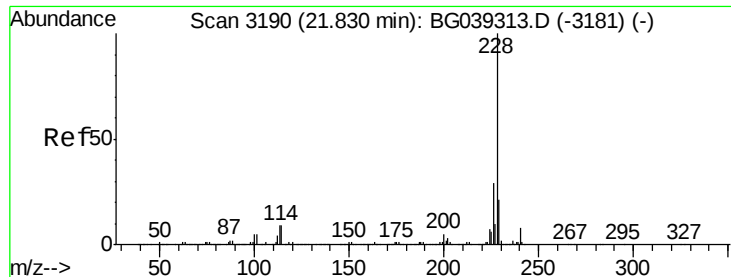


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 51.678 ng

RT: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

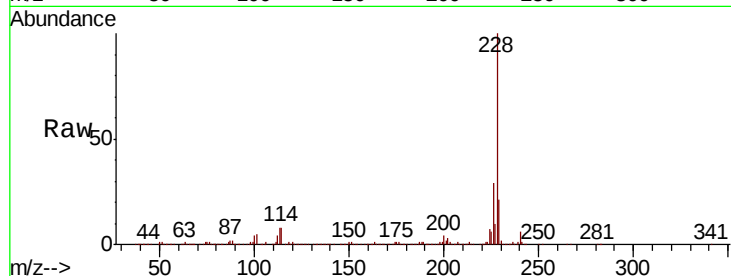
Tgt Ion:228 Resp: 1086857

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.6

229 20.9 16.9 25.3

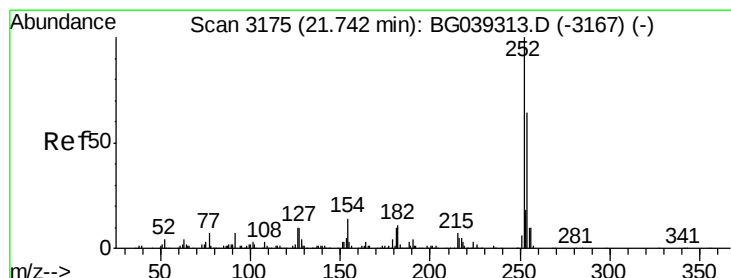
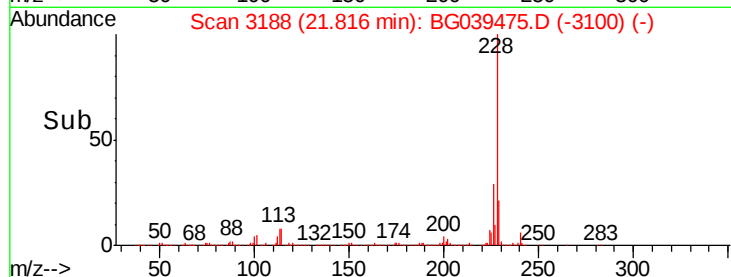
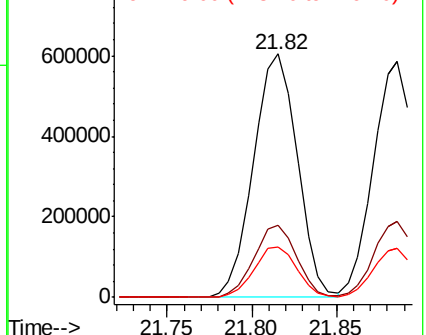


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 15.068 ng

RT: 21.72 min Scan# 3172

Delta R.T. -0.02 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

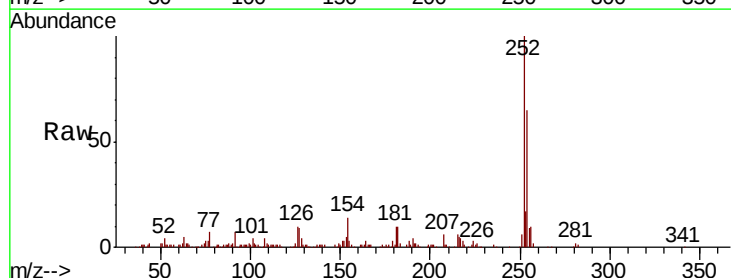
Tgt Ion:252 Resp: 117502

Ion Ratio Lower Upper

252 100

254 64.6 51.3 76.9

126 9.9 8.0 12.0

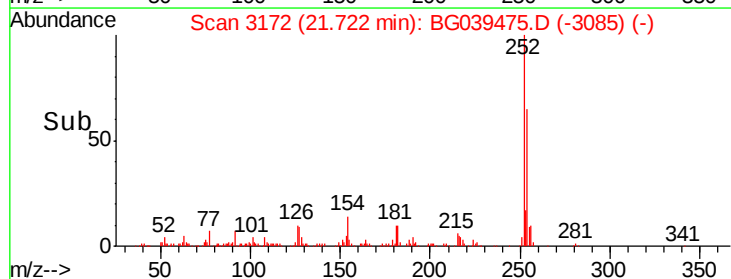
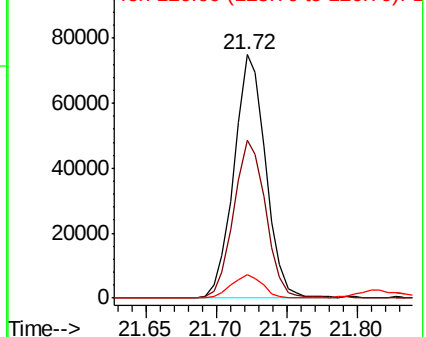


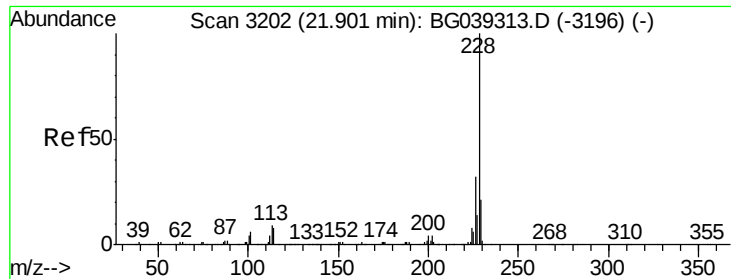
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

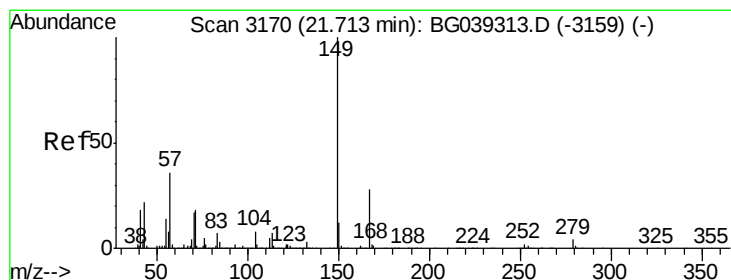
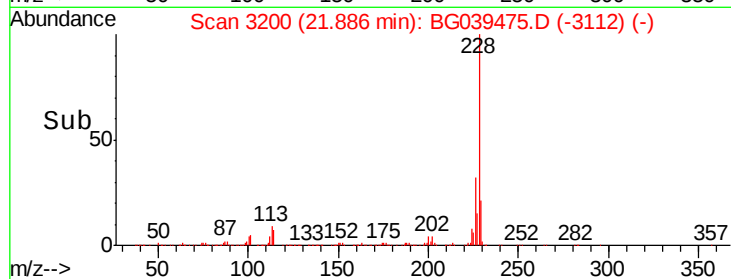
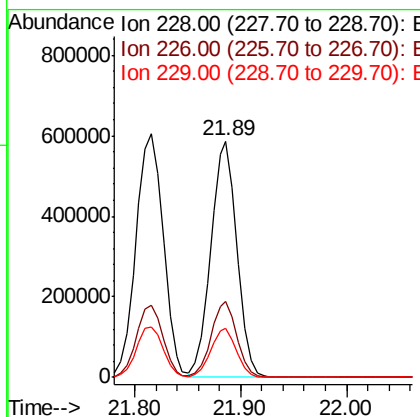
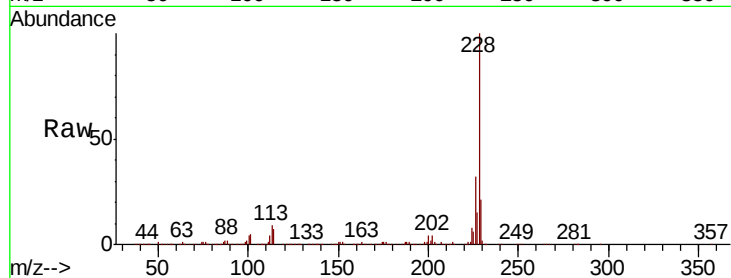




#83
 Chrysene
 Concen: 50.311 ng
 RT: 21.89 min Scan# 3200
 Delta R.T. -0.01 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

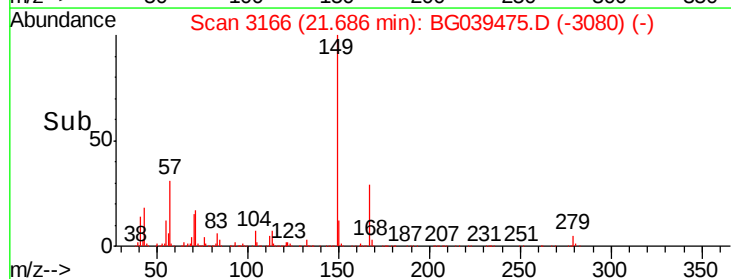
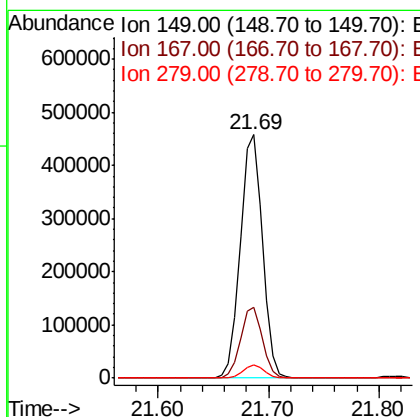
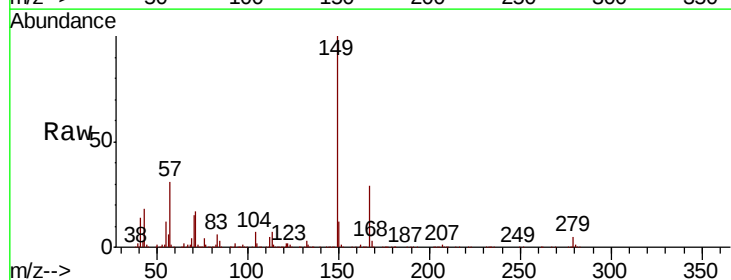
Instrument :
 BNA_G
 ClientSampleId :
 IDW-SOIL-01MSD

Tgt Ion:228 Resp: 1007242
 Ion Ratio Lower Upper
 228 100
 226 32.3 25.8 38.6
 229 21.0 16.6 25.0



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.482 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.03 min
 Lab File: BG039475.D
 Acq: 12 Feb 2019 22:32

Tgt Ion:149 Resp: 646474
 Ion Ratio Lower Upper
 149 100
 167 29.0 22.6 34.0
 279 5.3 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 50.092 ng

RT: 22.95 min Scan# 3381

Delta R.T. -0.04 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

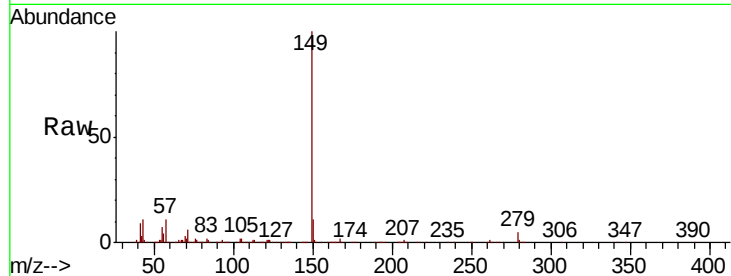
Tgt Ion:149 Resp: 1103514

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

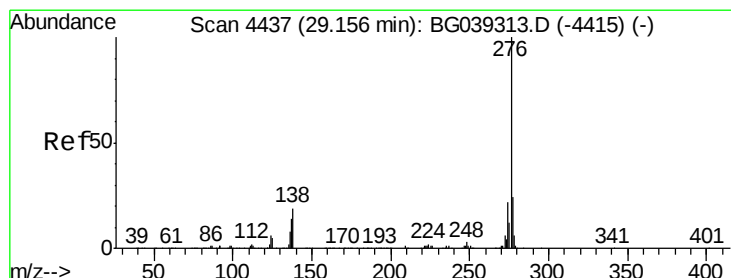
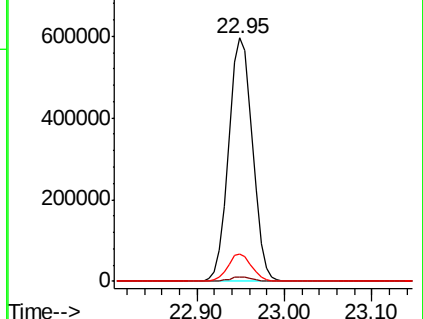
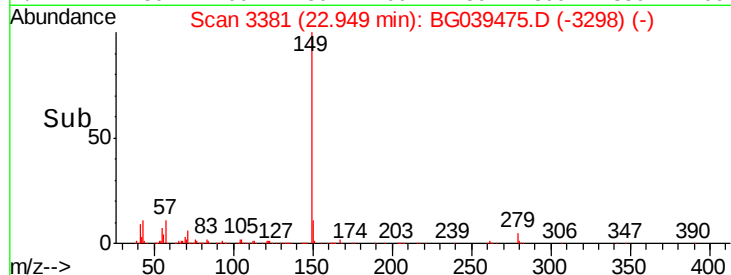
43 11.1 10.2 15.4



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: 57.066 ng

RT: 29.11 min Scan# 4430

Delta R.T. -0.04 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

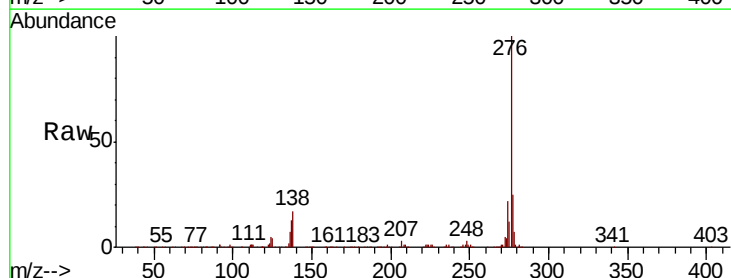
Tgt Ion:276 Resp: 1225780

Ion Ratio Lower Upper

276 100

138 14.7 12.6 19.0

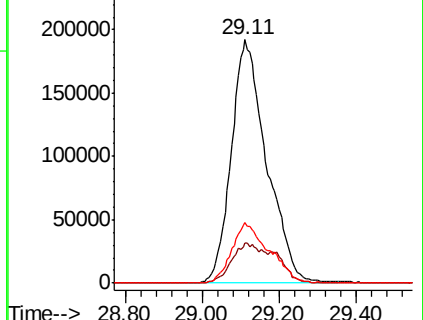
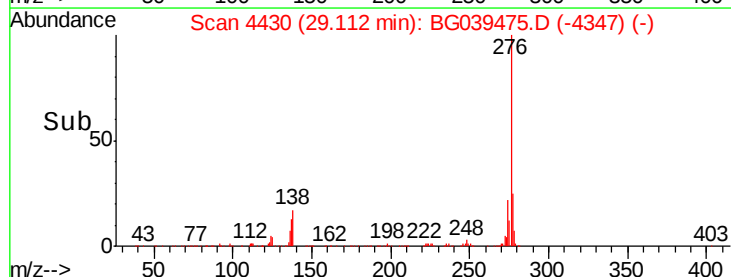
277 26.1 20.8 31.2



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



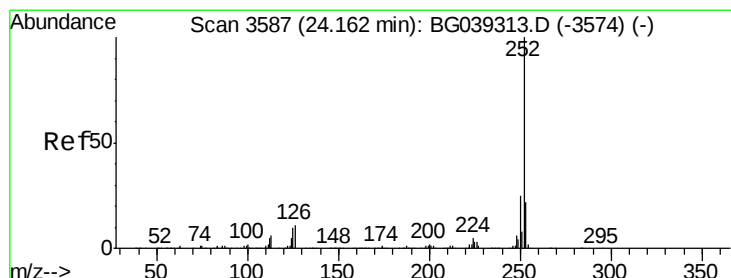
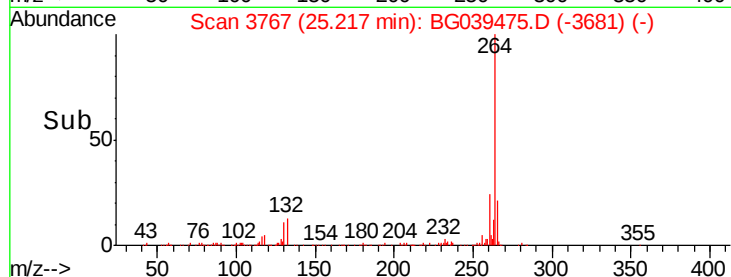
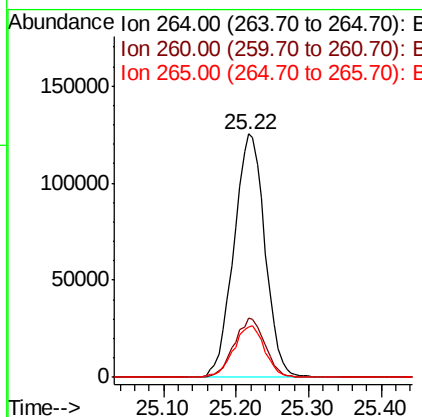
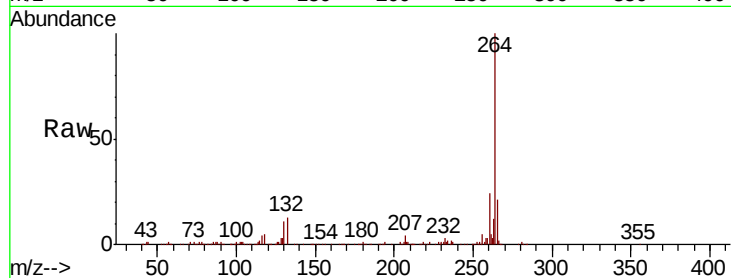


#87
Perylene-d12
Concen: 20.000 ng
RT: 25.22 min Scan# 3767
Delta R.T. -0.03 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Instrument :
BNA_G
ClientSampleId :
IDW-SOIL-01MSD

Tgt Ion: 264 Resp: 372209

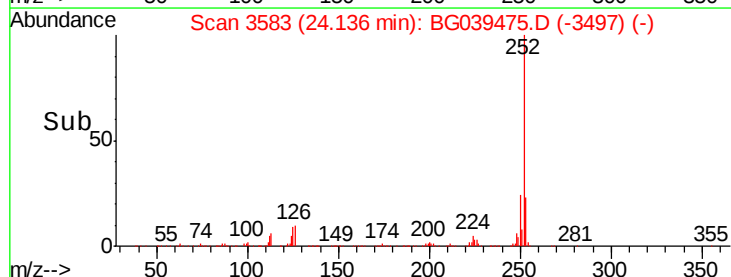
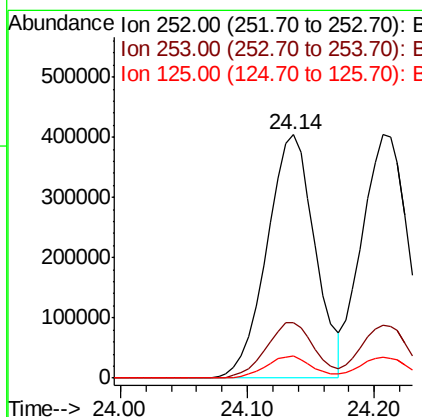
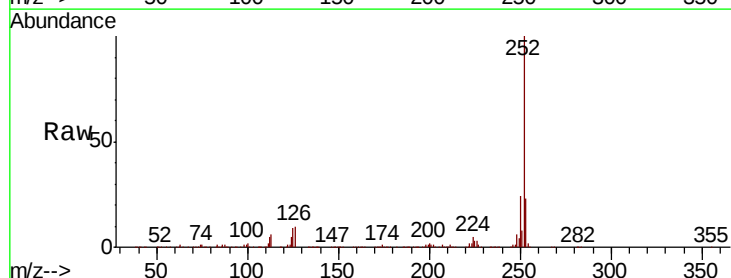
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.4
265	20.9	18.5	27.7



#88
Benzo(b)fluoranthene
Concen: 52.453 ng
RT: 24.14 min Scan# 3583
Delta R.T. -0.03 min
Lab File: BG039475.D
Acq: 12 Feb 2019 22:32

Tgt Ion: 252 Resp: 1064725

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	8.9	7.8	11.6





#89

Benzo(k)fluoranthene

Concen: 50.009 ng

RT: 24.21 min Scan# 3595

Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

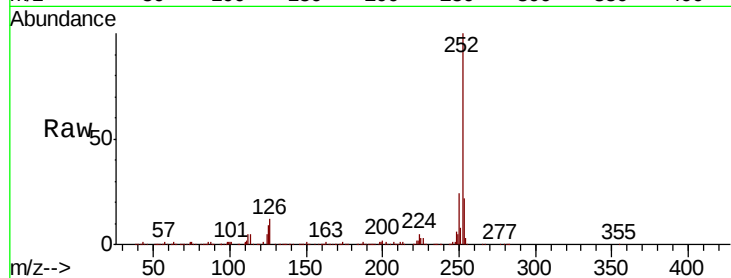
Tgt Ion:252 Resp: 1019156

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

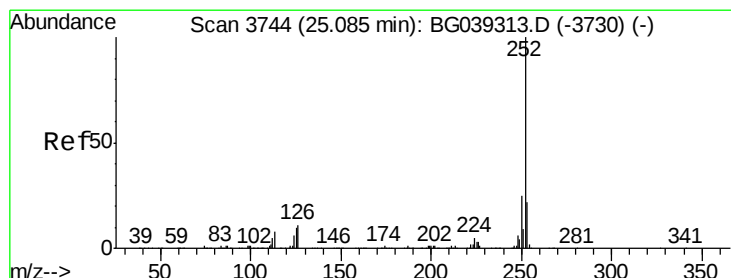
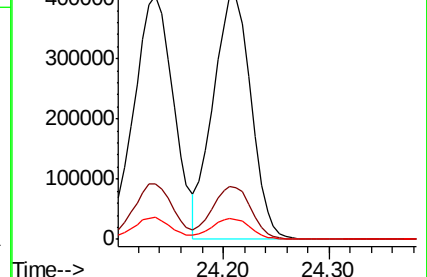
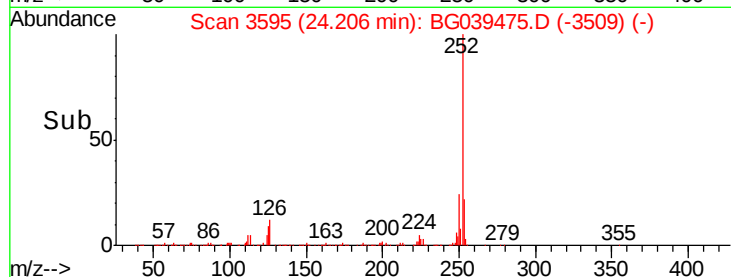
125 8.5 7.4 11.2



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: 53.172 ng

RT: 25.06 min Scan# 3740

Delta R.T. -0.03 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

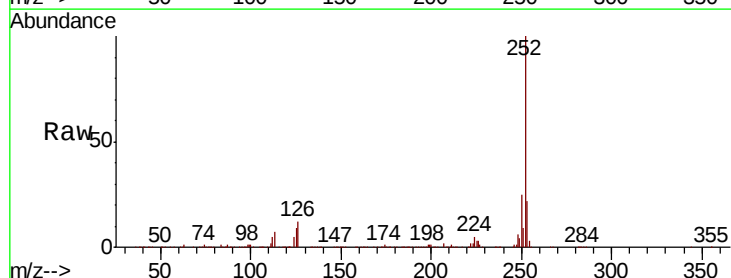
Tgt Ion:252 Resp: 1039460

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

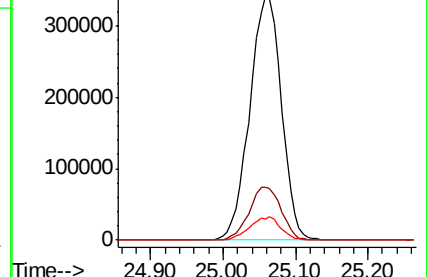
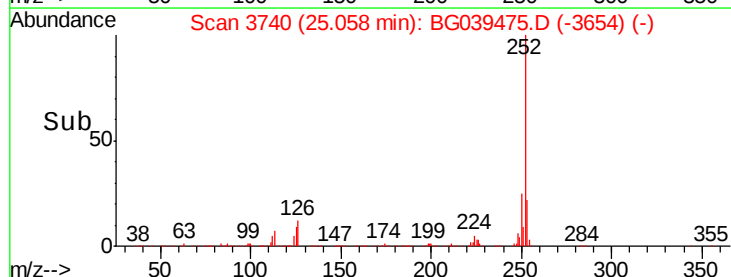
125 8.8 8.3 12.5

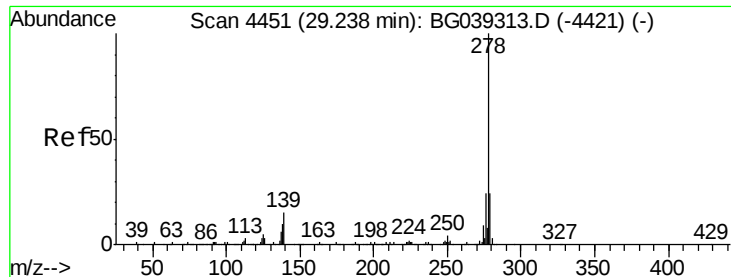


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 53.805 ng

RT: 29.19 min Scan# 4444

Delta R.T. -0.04 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

Instrument :

BNA_G

ClientSampleId :

IDW-SOIL-01MSD

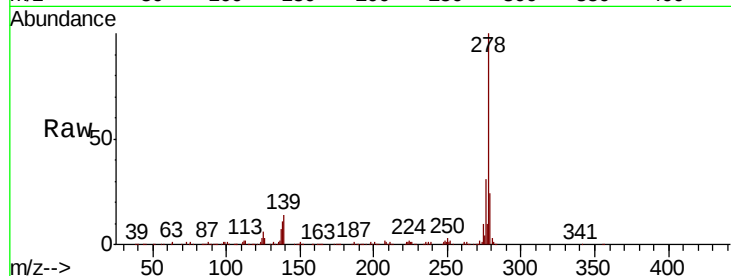
Tgt Ion:278 Resp: 985053

Ion Ratio Lower Upper

278 100

139 13.8 11.7 17.5

279 24.1 19.1 28.7

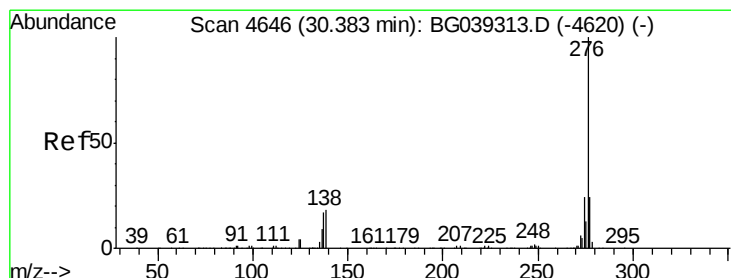
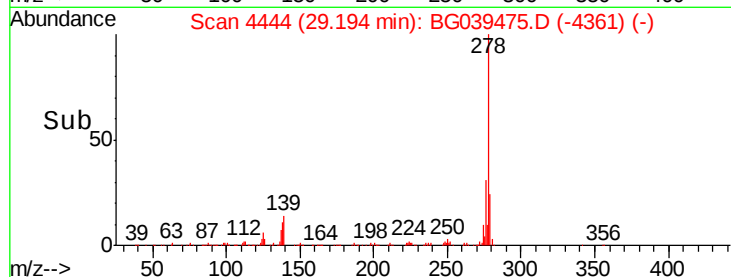
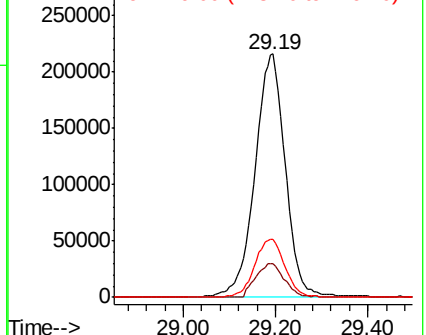


Abundance

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: 55.130 ng

RT: 30.35 min Scan# 4640

Delta R.T. -0.04 min

Lab File: BG039475.D

Acq: 12 Feb 2019 22:32

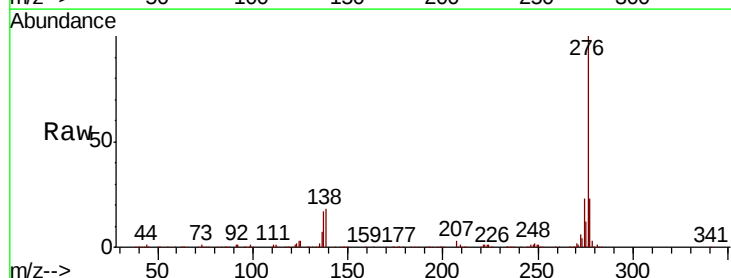
Tgt Ion:276 Resp: 1005996

Ion Ratio Lower Upper

276 100

277 23.1 19.6 29.4

138 18.2 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

