

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020866.D
 Acq On : 11 Feb 2016 21:25
 Operator : SJ/UM
 Sample : G4825-04
 Misc : LOQ 20PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Feb 11 22:46:08 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	20538	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	102977	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	65548	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	136397	20.00	ng	0.00
75) Chrysene-d12	21.90	240	128388	20.00	ng	0.00
86) Perylene-d12	25.28	264	120789	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	150523	123.42	ng	0.00
7) Phenol-d6	7.41	99	212140	119.01	ng	0.00
23) Nitrobenzene-d5	9.44	82	115548	73.78	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	77128	119.65	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	324759	69.60	ng	0.00
78) Terphenyl-d14	20.20	244	420130	76.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.63	88	5500	12.40	ng	91
3) Pyridine	4.05	79	15745	12.00	ng	98
4) n-Nitrosodimethylamine	3.96	42	4525	13.19	ng	90
6) Aniline	7.58	93	15289	6.88	ng	98
8) 2-Chlorophenol	7.83	128	22842	14.99	ng	98
9) Benzaldehyde	7.40	77	16458	18.43	ng	94
10) Phenol	7.43	94	28371	15.04	ng	97
11) bis(2-Chloroethyl)ether	7.67	93	20049	13.31	ng	99
12) 1,3-Dichlorobenzene	8.15	146	21670	13.45	ng	99
13) 1,4-Dichlorobenzene	8.30	146	22405	13.72	ng	98
14) 1,2-Dichlorobenzene	8.62	146	21929	13.80	ng	98
15) Benzyl Alcohol	8.50	79	17256	15.36	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.80	45	20630	13.13	ng	99
17) 2-Methylphenol	8.70	107	20496	15.08	ng	97
18) Hexachloroethane	9.36	117	7764	13.83	ng	95
19) n-Nitroso-di-n-propylamine	9.07	70	15264	13.27	ng	99
20) 3+4-Methylphenols	9.02	107	28047	14.81	ng	99
22) Acetophenone	9.09	105	31206	12.57	ng	98
24) Nitrobenzene	9.48	77	22416	13.73	ng	99
25) Isophorone	10.00	82	44401	13.45	ng	100
26) 2-Nitrophenol	10.19	139	11140	12.97	ng	99
27) 2,4-Dimethylphenol	10.24	122	23585	14.33	ng	99
28) bis(2-Chloroethoxy)methane	10.48	93	29436	14.47	ng	98
29) 2,4-Dichlorophenol	10.73	162	22455	15.22	ng	98
30) 1,2,4-Trichlorobenzene	10.95	180	20563	13.83	ng	95
31) Naphthalene	11.14	128	74644	14.01	ng	99
32) Benzoic acid	10.31	122	11822	8.95	ng	89
33) 4-Chloroaniline	11.24	127	14778	6.45	ng	93
34) Hexachlorobutadiene	11.43	225	10164	13.42	ng	96
35) Caprolactam	11.99	113	9149	16.18	ng	97
36) 4-Chloro-3-methylphenol	12.34	107	25160	14.88	ng	96
37) 2-Methylnaphthalene	12.73	142	56591	15.14	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	22936	11.93	ng	98
40) Hexachlorocyclopentadiene	13.07	237	9072	10.72	ng	95

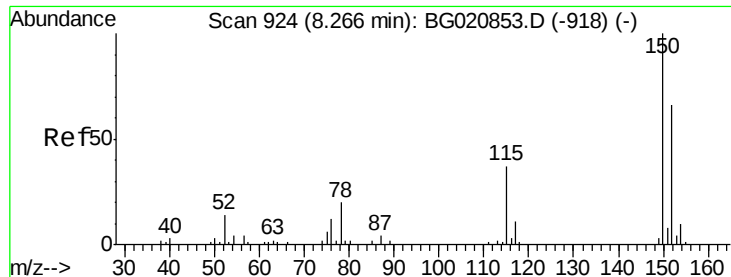
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021116\
 Data File : BG020866.D
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 Operator : SJ/UM
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.32	196	18048	13.97	ng	99
43) 2,4,5-Trichlorophenol	13.39	196	19798	14.58	ng	98
45) 1,1'-Biphenyl	13.72	154	70383	12.17	ng	99
46) 2-Chloronaphthalene	13.76	162	54859	13.25	ng	98
47) 2-Nitroaniline	13.96	65	13918	14.04	ng	95
48) Acenaphthylene	14.60	152	97401	13.53	ng	99
49) Dimethylphthalate	14.32	163	70768	13.81	ng	100
50) 2,6-Dinitrotoluene	14.45	165	15222	13.86	ng	98
51) Acenaphthene	14.95	154	58817	13.48	ng	98
52) 3-Nitroaniline	14.78	138	13428	10.52	ng	96
53) 2,4-Dinitrophenol	14.97	184	3515	15.17	ng	95
54) Dibenzofuran	15.27	168	90401	15.66	ng	99
55) 4-Nitrophenol	15.06	139	13483	13.99	ng	97
56) 2,4-Dinitrotoluene	15.23	165	20603	14.51	ng	96
57) Fluorene	15.92	166	76151	14.32	ng	100
58) 2,3,4,6-Tetrachlorophenol	15.49	232	16358	15.81	ng	99
59) Diethylphthalate	15.67	149	76079	14.44	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	32171	13.62	ng	98
61) 4-Nitroaniline	15.93	138	18326	14.30	ng	99
62) Azobenzene	16.20	77	64773	15.63	ng	98
64) 4,6-Dinitro-2-methylphenol	15.99	198	6898	14.32	ng	94
65) n-Nitrosodiphenylamine	16.12	169	63459	14.40	ng	100
66) 4-Bromophenyl-phenylether	16.80	248	19941	13.84	ng	99
67) Hexachlorobenzene	16.92	284	21765	14.20	ng	99
68) Atrazine	17.05	200	20502	15.33	ng	99
69) Pentachlorophenol	17.26	266	10357	11.79	ng	95
70) Phenanthrene	17.66	178	113297	14.59	ng	98
71) Anthracene	17.75	178	111182	14.11	ng	99
72) Carbazole	18.01	167	103194	14.59	ng	98
73) Di-n-butylphthalate	18.55	149	125428	13.83	ng	100
74) Fluoranthene	19.65	202	118869	14.17	ng	98
76) Benzidine	19.82	184	16170	3.89	ng	99
77) Pyrene	20.01	202	122647	14.48	ng	98
79) Butylbenzylphthalate	20.88	149	55207	13.62	ng	99
80) Benzo(a)anthracene	21.88	228	111039	14.49	ng	99
81) 3,3'-Dichlorobenzidine	21.78	252	16791	5.90	ng	99
82) Chrysene	21.95	228	99752	13.84	ng	99
83) Bis(2-ethylhexyl)phthalate	21.77	149	81236	13.51	ng	99
84) Di-n-octyl phthalate	23.03	149	140098	14.20	ng	100
85) Indeno(1,2,3-cd)pyrene	29.14	276	116969	14.11	ng	# 88
87) Benzo(b)fluoranthene	24.20	252	105633	14.29	ng	98
88) Benzo(k)fluoranthene	24.27	252	103025	14.22	ng	98
89) Benzo(a)pyrene	25.11	252	100978	14.34	ng	99
90) Dibenzo(a,h)anthracene	29.22	278	95601	13.96	ng	99
91) Benzo(g,h,i)perylene	30.36	276	93592	13.77	ng	98

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

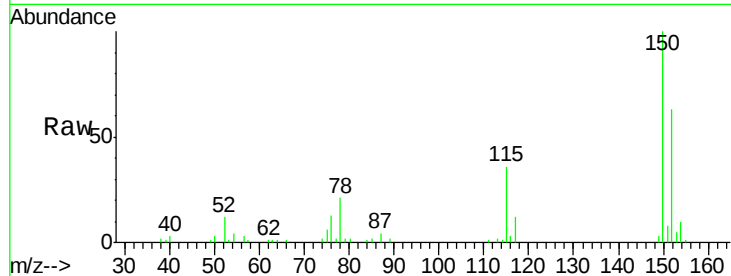


#1

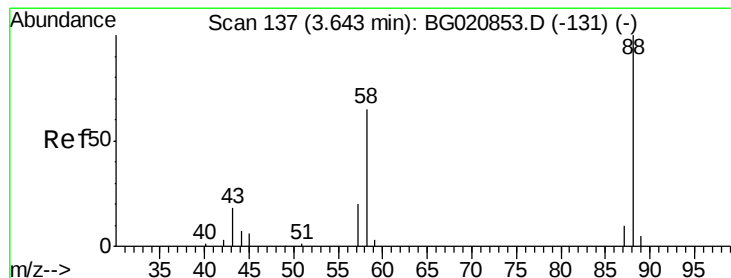
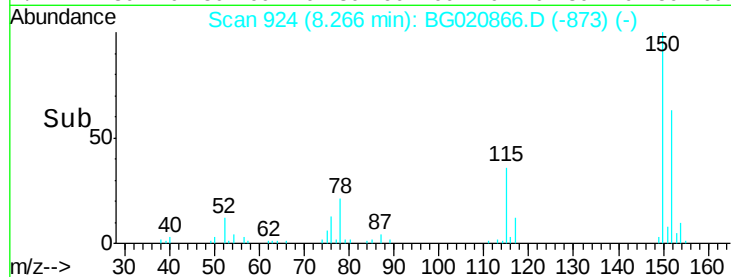
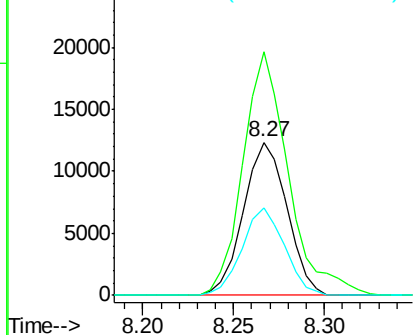
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:152 Resp: 20538
Ion Ratio Lower Upper
152 100
150 159.4 122.0 183.0
115 57.6 45.2 67.8



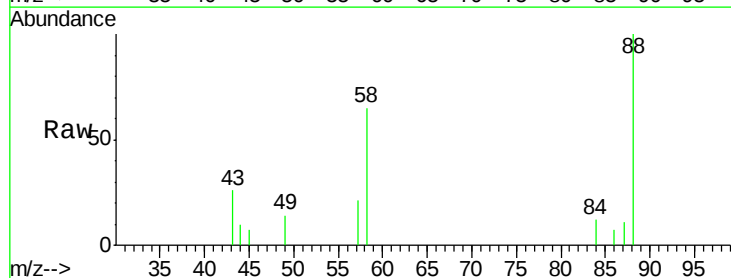
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



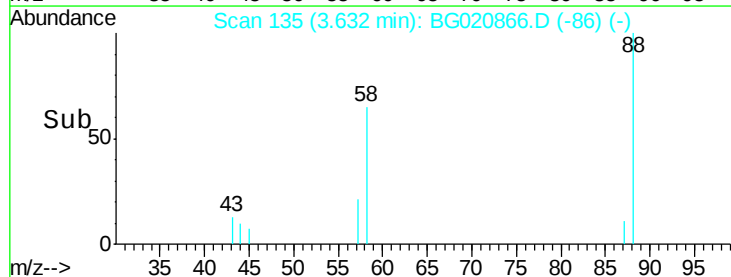
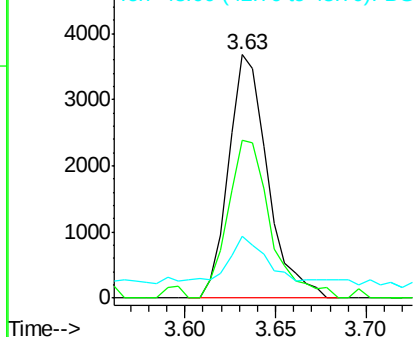
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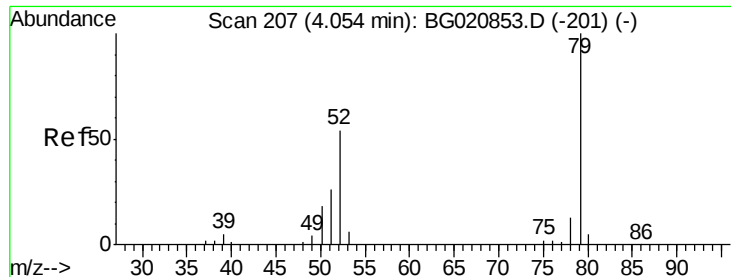
1,4-Dioxane
Concen: 12.40 ng
RT: 3.63 min Scan# 135
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion: 88 Resp: 5500
Ion Ratio Lower Upper
88 100
58 70.7 50.3 75.5
43 16.0 14.5 21.7



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: 12.00 ng

RT: 4.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

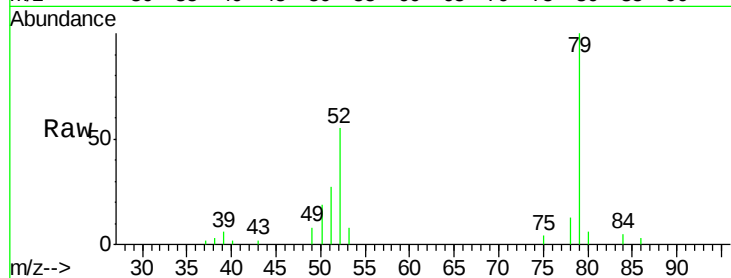
Tgt Ion: 79 Resp: 15745

Ion Ratio Lower Upper

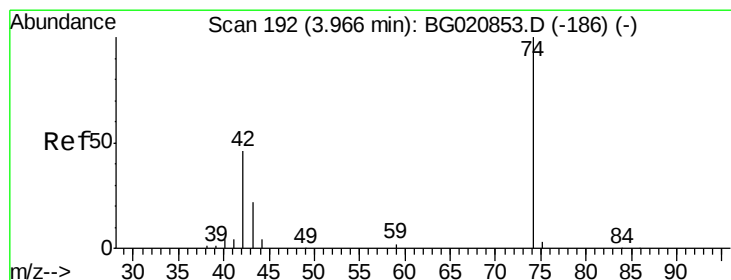
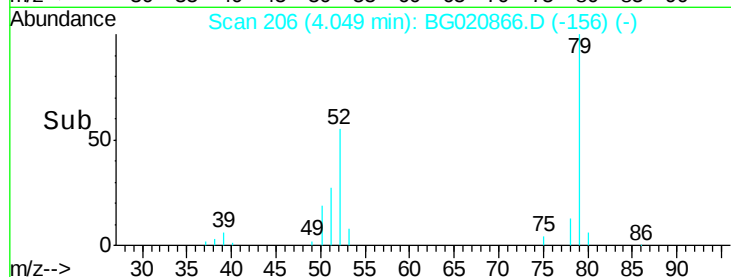
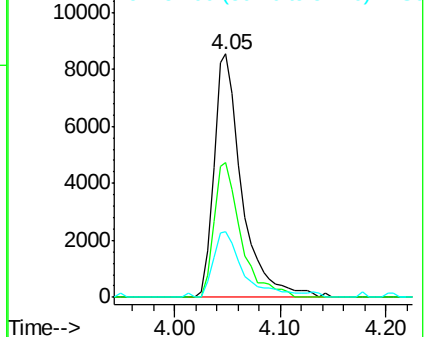
79 100

52 55.3 43.1 64.7

51 26.9 20.7 31.1



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: 13.19 ng

RT: 3.96 min Scan# 191

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

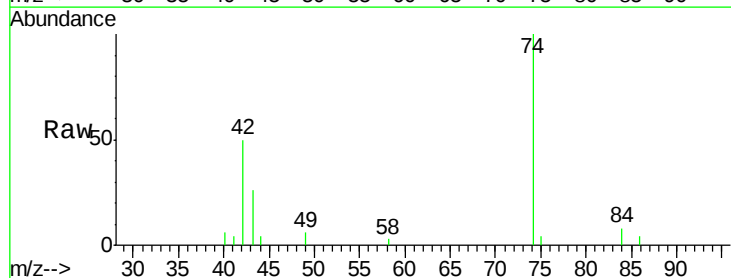
Tgt Ion: 42 Resp: 4525

Ion Ratio Lower Upper

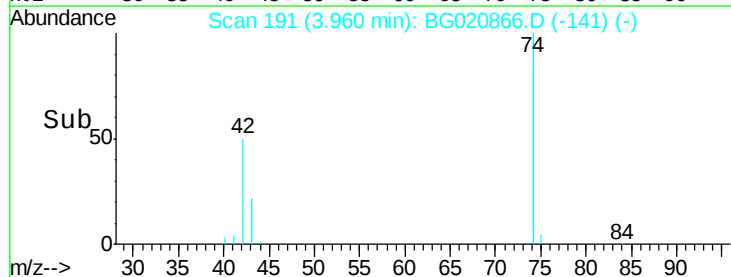
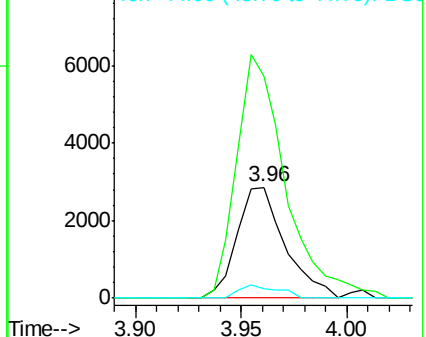
42 100

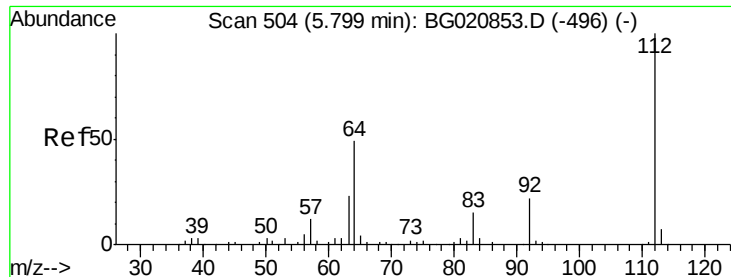
74 200.6 173.8 260.6

44 8.7 6.3 9.5



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: 123.42 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

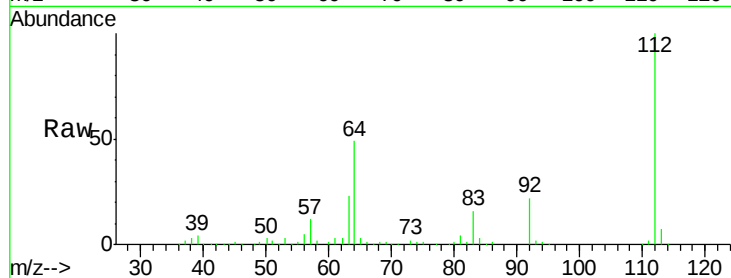
Tgt Ion: 112 Resp: 150523

Ion Ratio Lower Upper

112 100

64 49.0 39.3 58.9

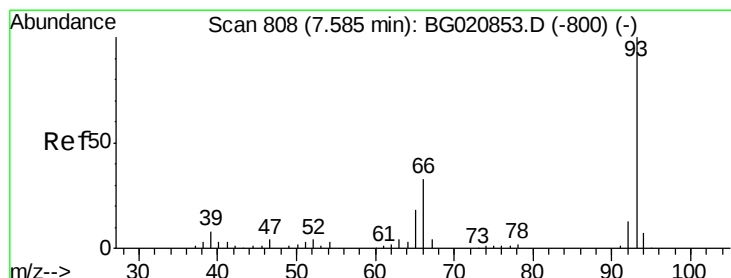
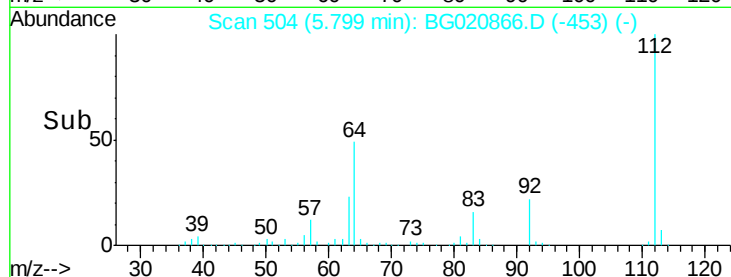
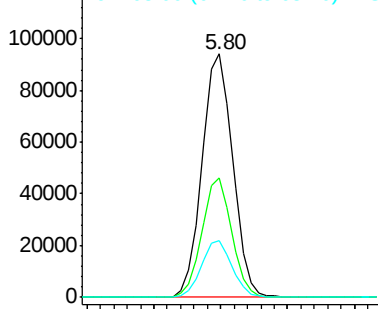
63 23.2 18.2 27.4



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: 6.88 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

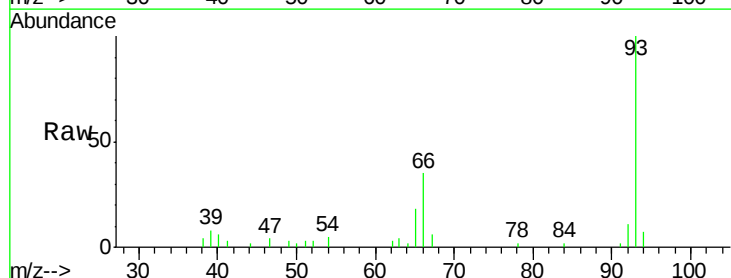
Tgt Ion: 93 Resp: 15289

Ion Ratio Lower Upper

93 100

66 34.8 26.6 40.0

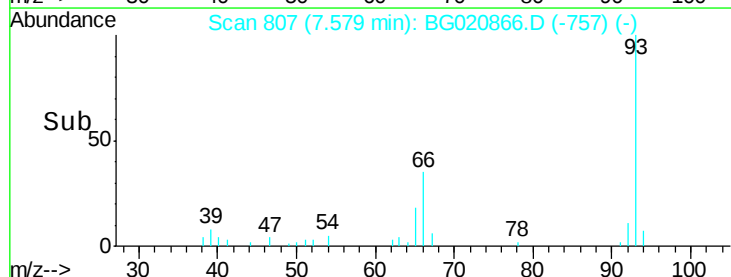
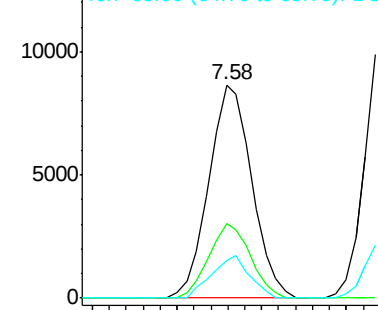
65 17.9 14.0 21.0

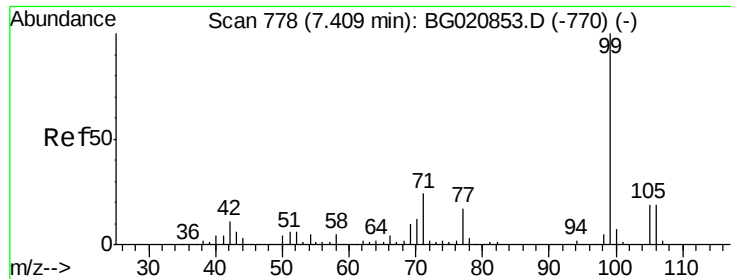


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 119.01 ng

RT: 7.41 min Scan# 778

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

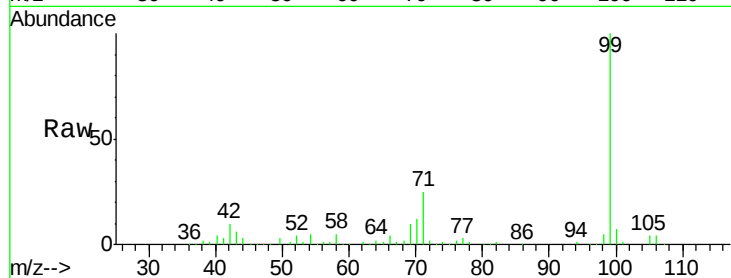
Tgt Ion: 99 Resp: 212140

Ion Ratio Lower Upper

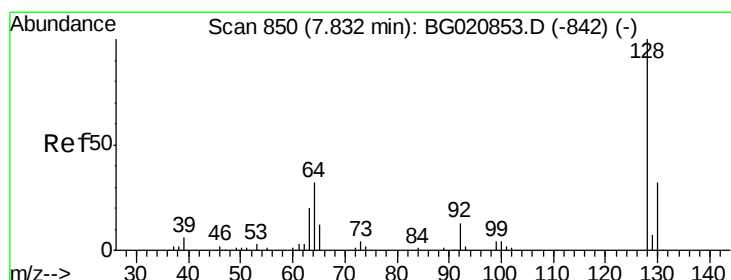
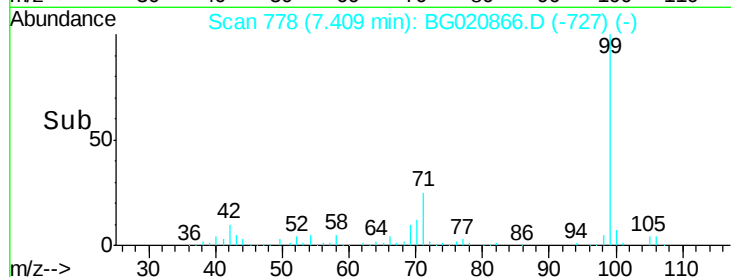
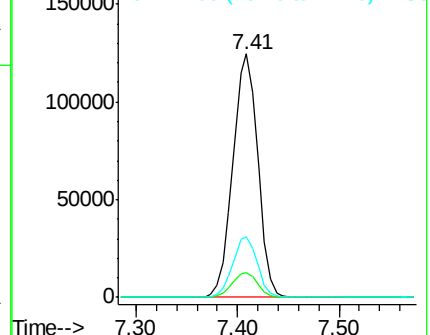
99 100

42 10.0 8.4 12.6

71 25.1 19.4 29.0



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: 14.99 ng

RT: 7.83 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

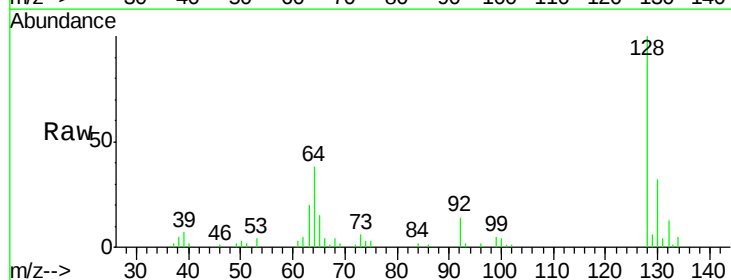
Tgt Ion: 128 Resp: 22842

Ion Ratio Lower Upper

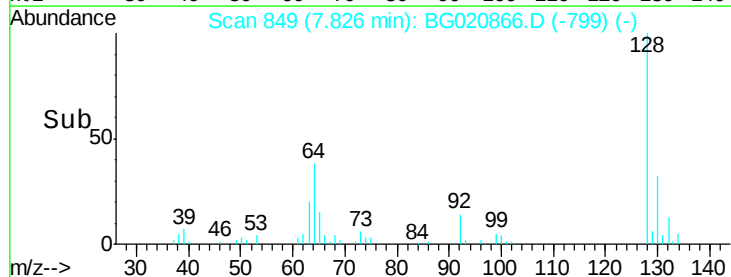
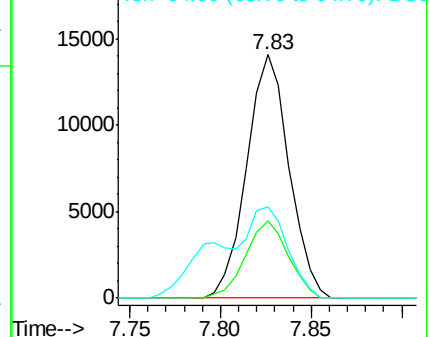
128 100

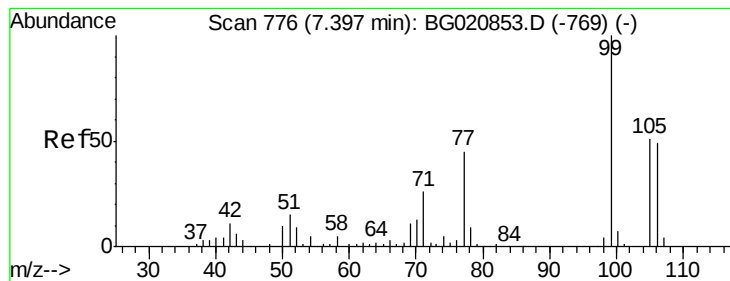
130 31.9 12.3 52.3

64 37.5 15.9 55.9



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





#9

Benzaldehyde

Concen: 18.43 ng

RT: 7.40 min Scan# 776

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

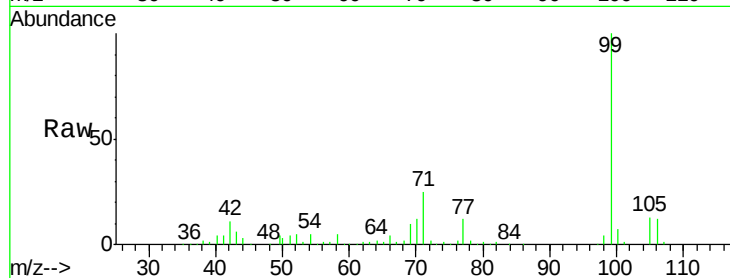
Tgt Ion: 77 Resp: 16458

Ion Ratio Lower Upper

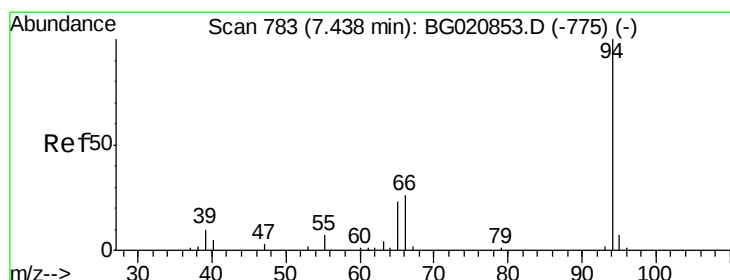
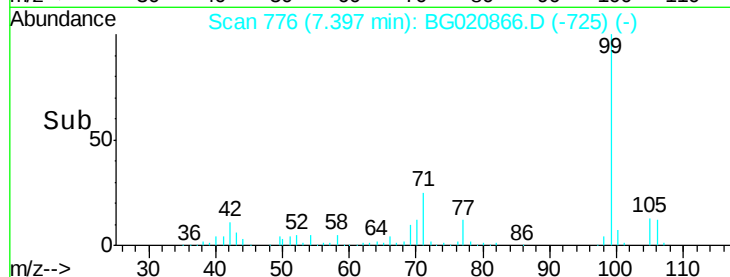
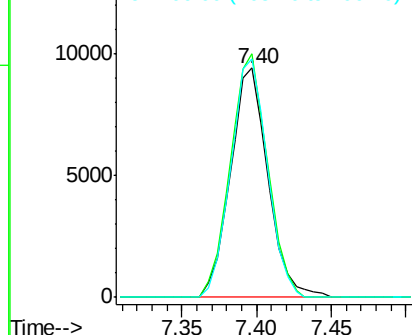
77 100

105 106.2 93.4 133.4

106 104.2 88.7 128.7



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



#10

Phenol

Concen: 15.04 ng

RT: 7.43 min Scan# 782

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

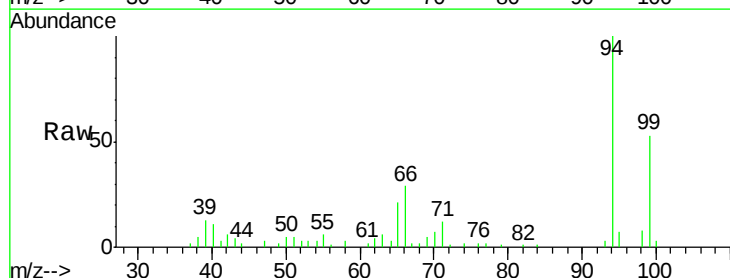
Tgt Ion: 94 Resp: 28371

Ion Ratio Lower Upper

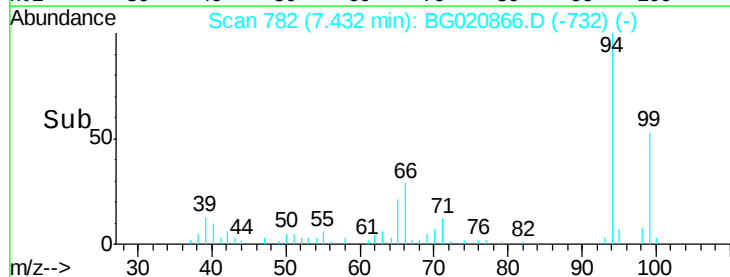
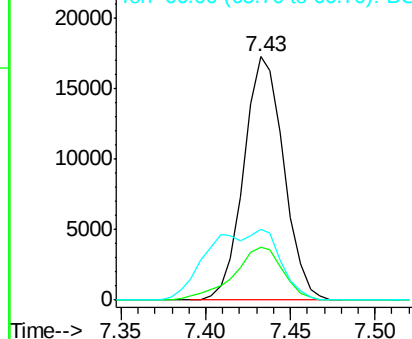
94 100

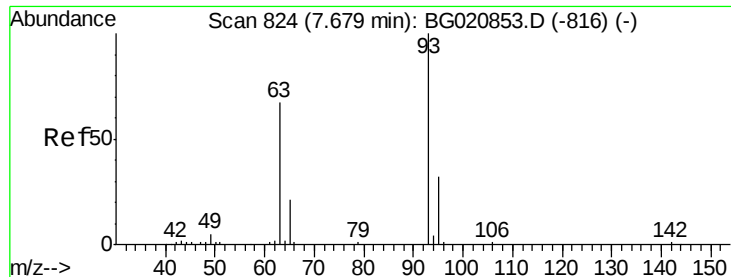
65 21.5 2.8 42.8

66 28.9 7.2 47.2



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

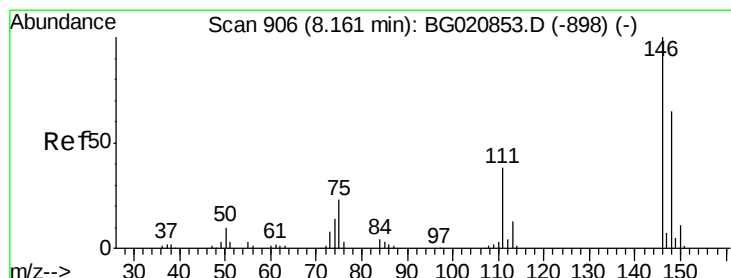
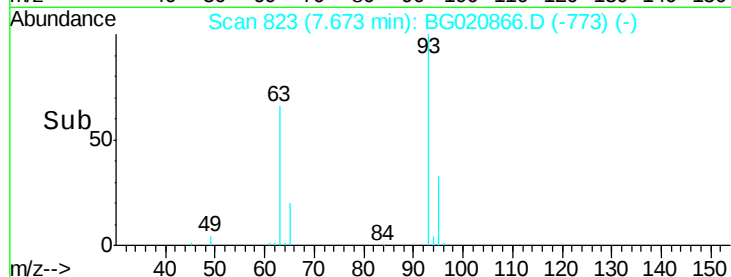
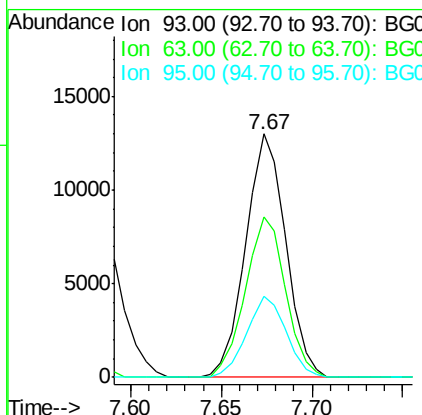
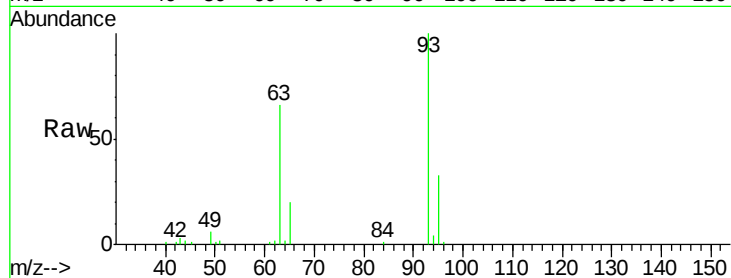




#11
 bis(2-Chloroethyl)ether
 Concen: 13.31 ng
 RT: 7.67 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

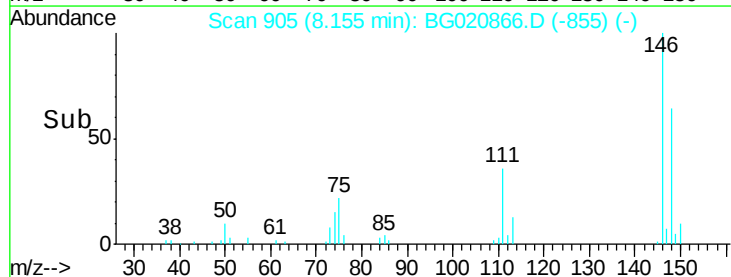
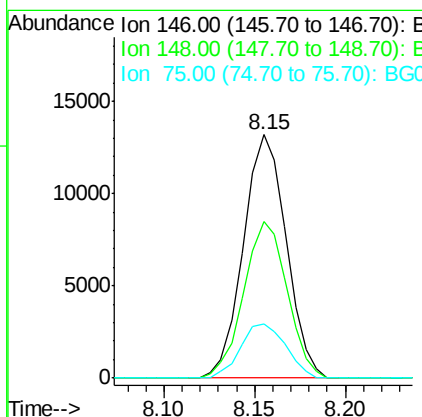
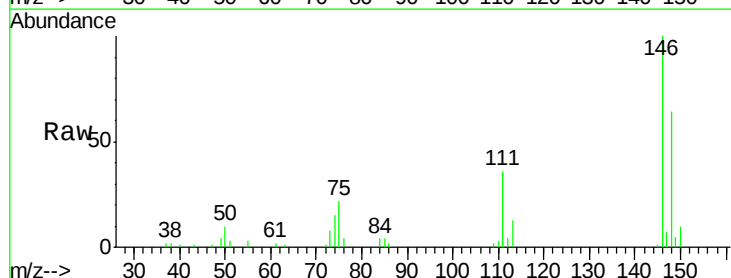
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

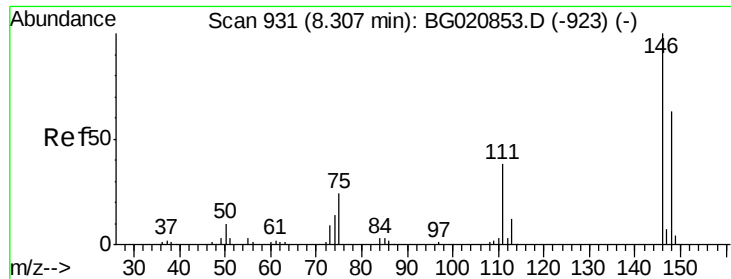
Tgt Ion: 93 Resp: 20049
 Ion Ratio Lower Upper
 93 100
 63 66.0 46.4 86.4
 95 33.1 12.1 52.1



#12
 1,3-Dichlorobenzene
 Concen: 13.45 ng
 RT: 8.15 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion: 146 Resp: 21670
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.8 77.8
 75 22.0 18.7 28.1

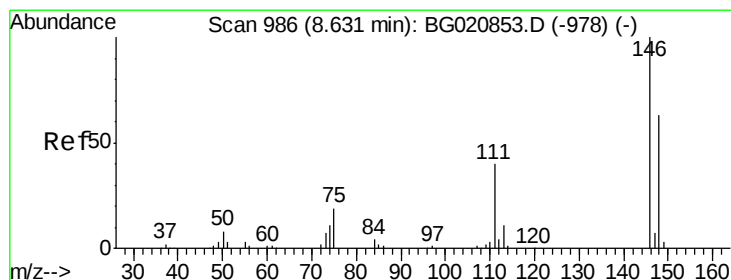
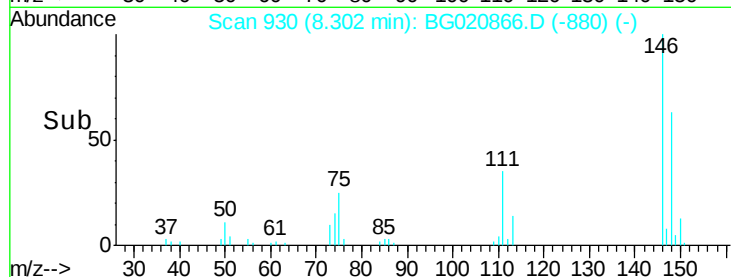
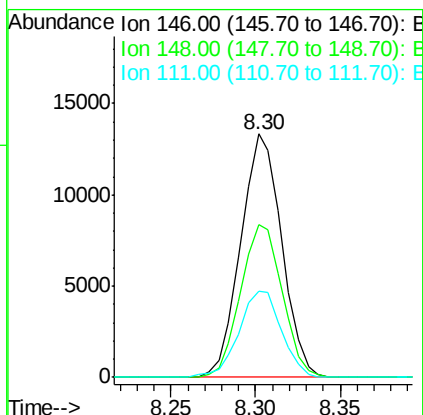
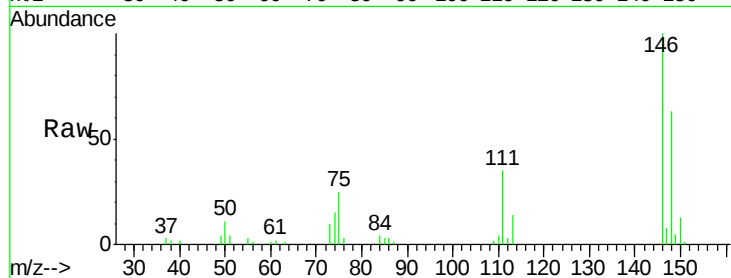




#13
 1,4-Dichlorobenzene
 Concen: 13.72 ng
 RT: 8.30 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

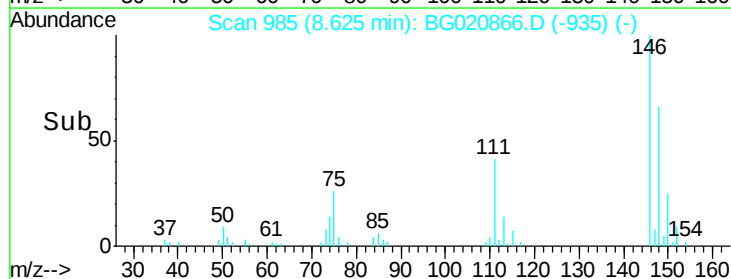
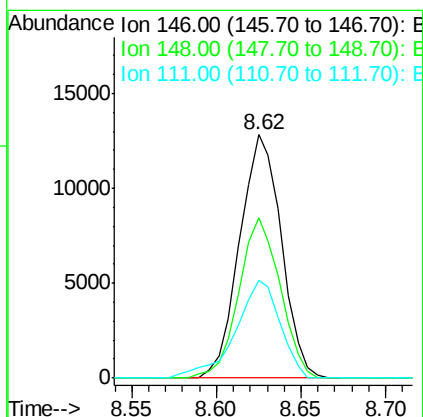
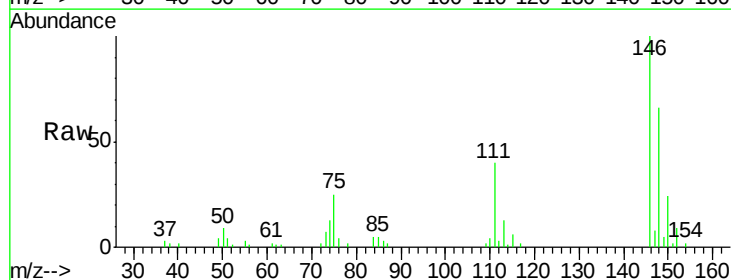
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

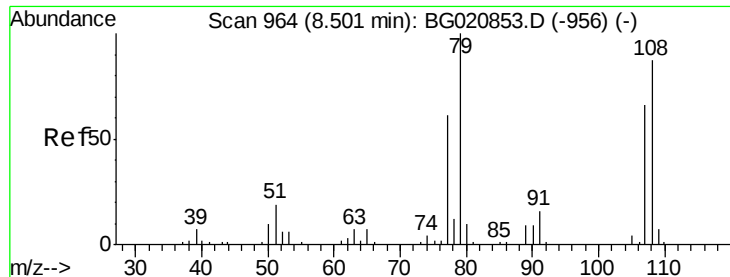
Tgt Ion:146 Resp: 22405
 Ion Ratio Lower Upper
 146 100
 148 62.8 50.8 76.2
 111 35.4 30.1 45.1



#14
 1,2-Dichlorobenzene
 Concen: 13.80 ng
 RT: 8.62 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:146 Resp: 21929
 Ion Ratio Lower Upper
 146 100
 148 65.8 50.6 76.0
 111 40.1 32.6 48.8





#15

Benzyl Alcohol

Concen: 15.36 ng

RT: 8.50 min Scan# 964

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

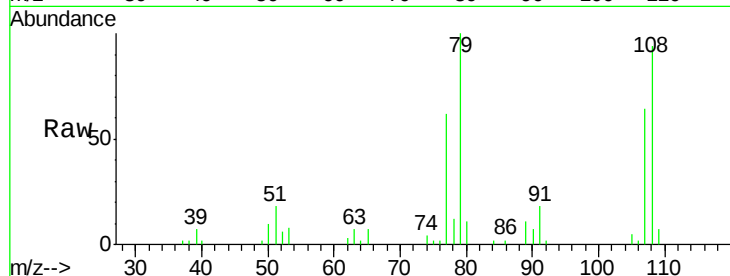
Tgt Ion: 79 Resp: 17256

Ion Ratio Lower Upper

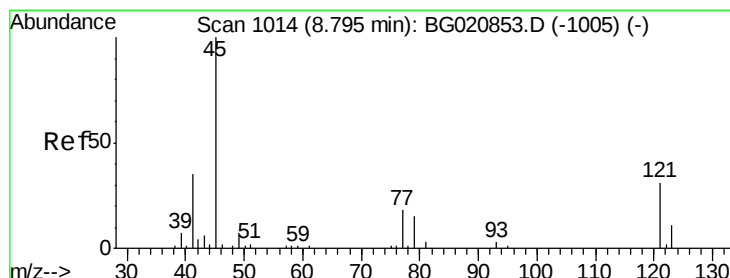
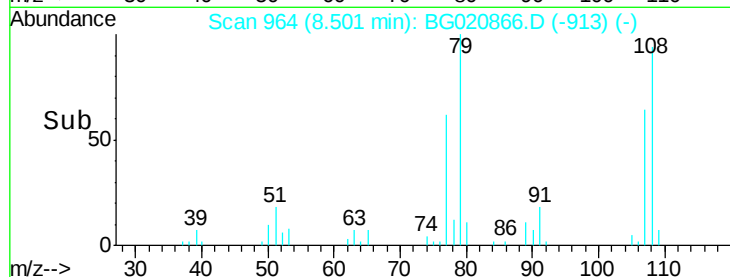
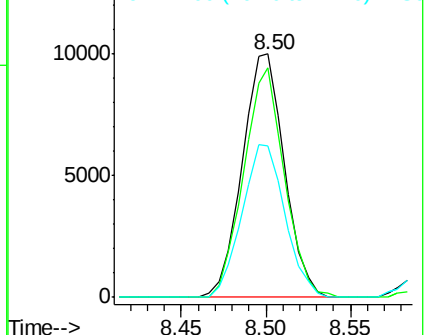
79 100

108 94.2 69.4 104.2

77 62.1 48.6 73.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 13.13 ng

RT: 8.80 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

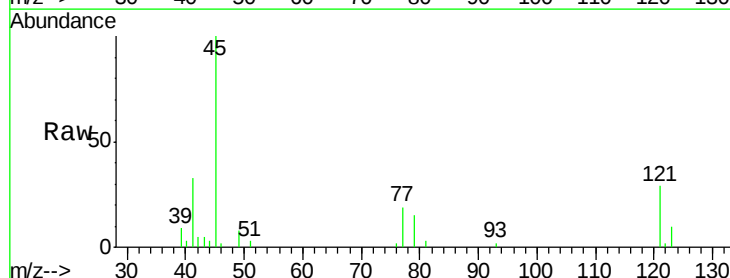
Tgt Ion: 45 Resp: 20630

Ion Ratio Lower Upper

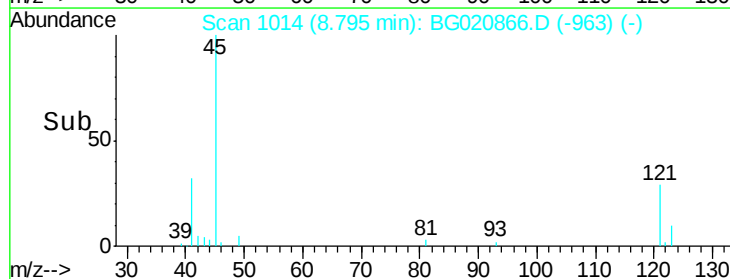
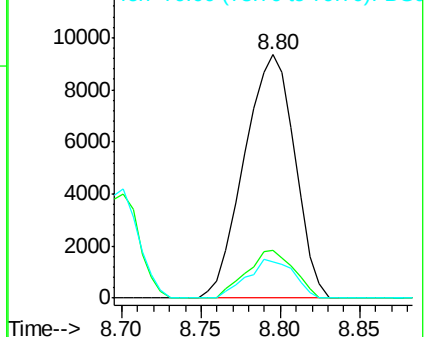
45 100

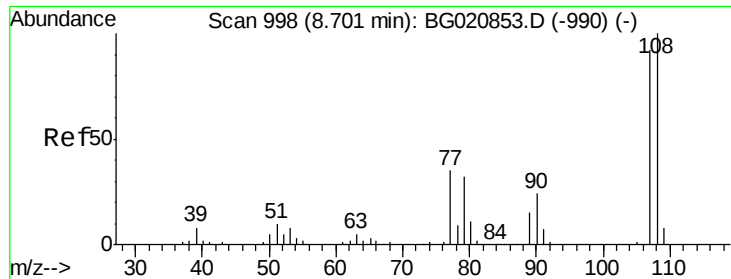
77 19.4 0.0 38.5

79 14.8 0.0 34.9



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

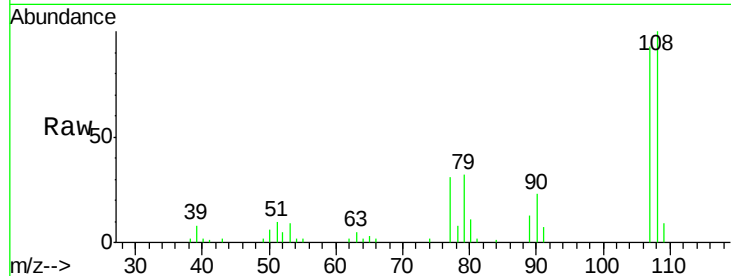




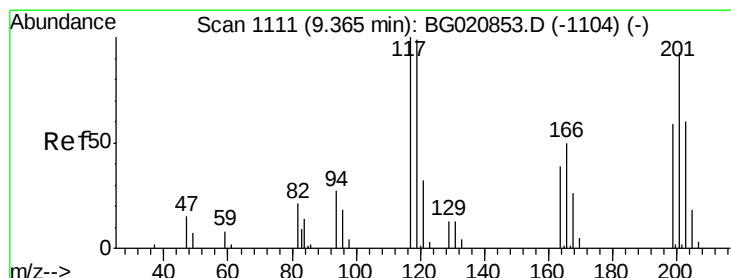
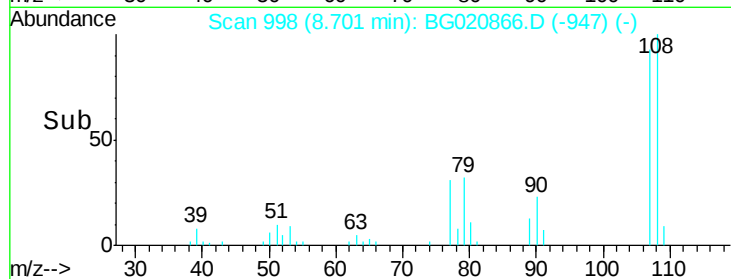
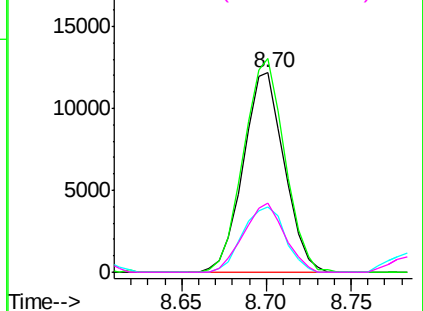
#17
2-Methylphenol
Concen: 15.08 ng
RT: 8.70 min Scan# 998
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	107	Resp:	20496
Ion	Ratio	Lower	Upper
107	100		
108	107.2	87.0	130.4
77	32.9	30.1	45.1
79	34.5	27.4	41.2

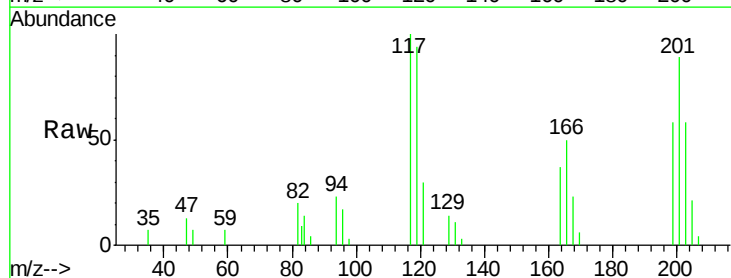


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

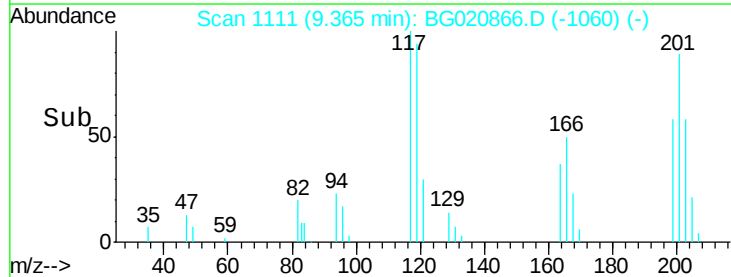
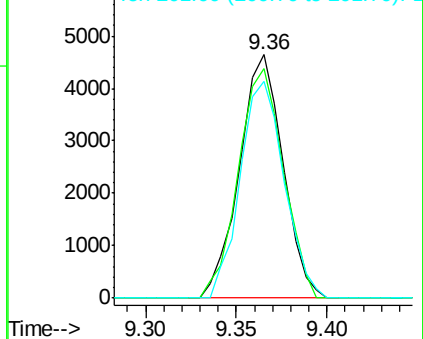


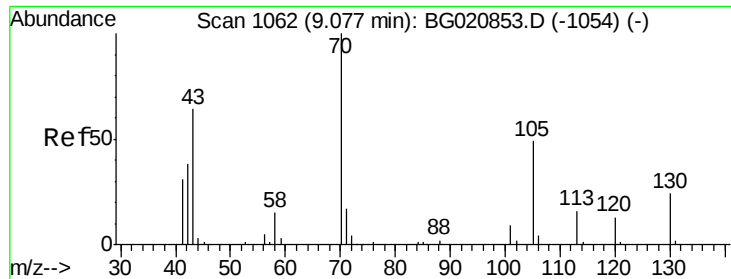
#18
Hexachloroethane
Concen: 13.83 ng
RT: 9.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:	117	Resp:	7764
Ion	Ratio	Lower	Upper
117	100		
119	94.3	79.6	119.4
201	88.9	74.5	111.7



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

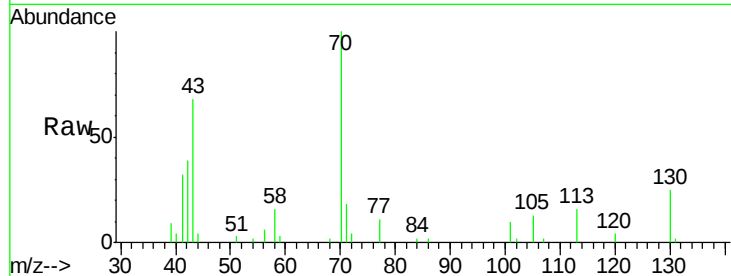




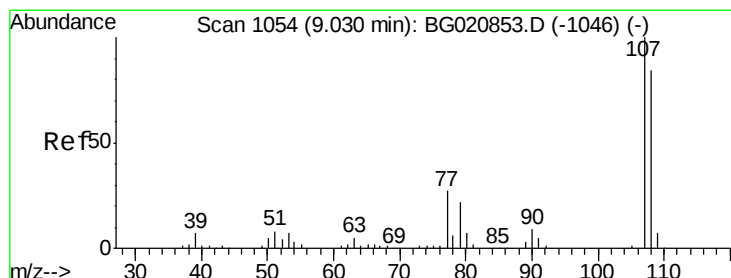
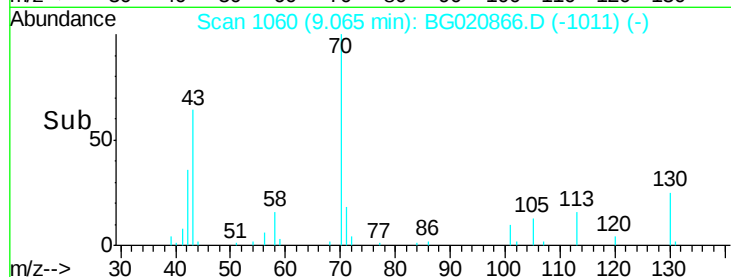
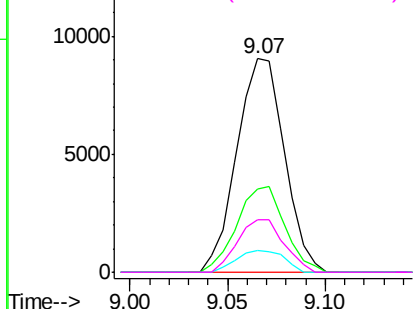
#19
n-Nitroso-di-n-propylamine
Concen: 13.27 ng
RT: 9.07 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 70 Resp: 15264
Ion Ratio Lower Upper
70 100
42 39.1 30.9 46.3
101 10.4 7.3 10.9
130 24.6 19.4 29.0

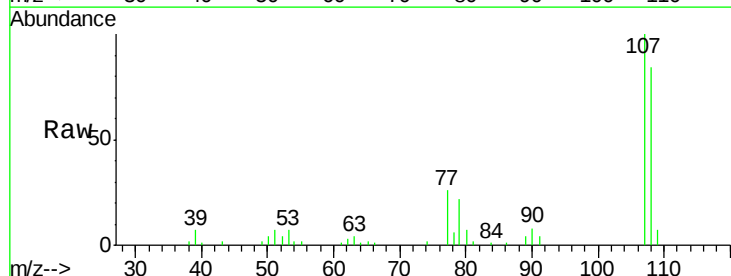


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

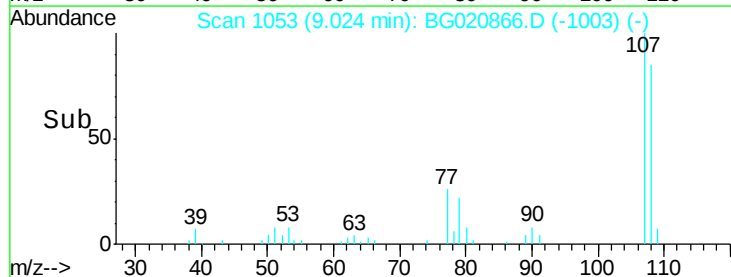
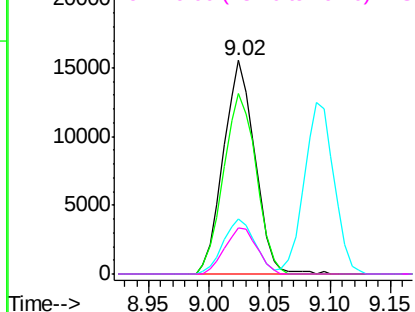


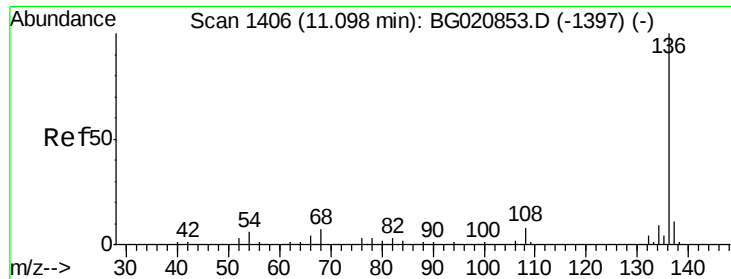
#20
3+4-Methylphenols
Concen: 14.81 ng
RT: 9.02 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion: 107 Resp: 28047
Ion Ratio Lower Upper
107 100
108 84.3 64.4 104.4
77 25.5 7.1 47.1
79 21.6 1.9 41.9



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

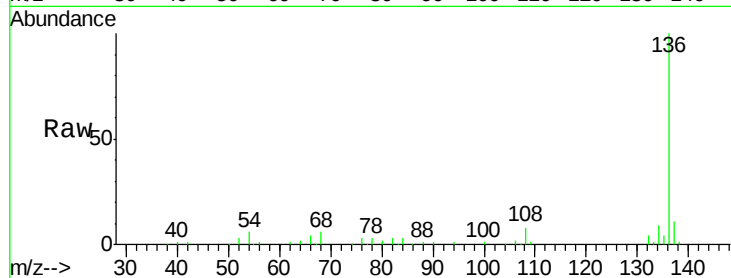




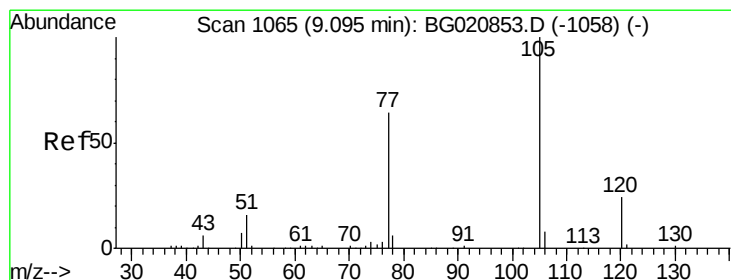
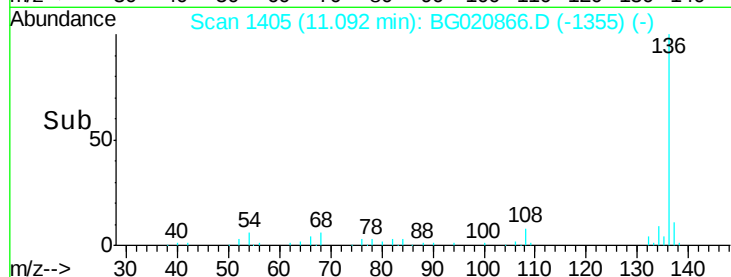
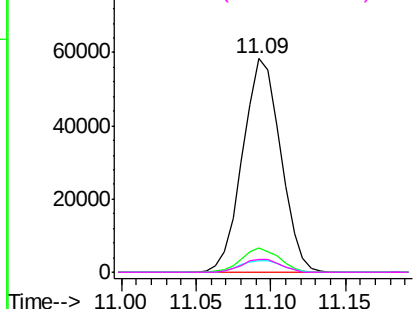
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	136	Resp:	102977
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	5.7	5.0	7.4
68	5.8	5.2	7.8

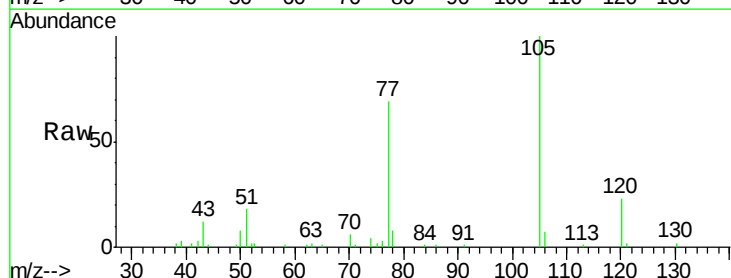


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

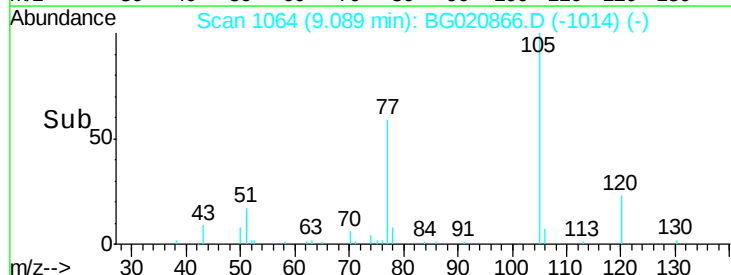
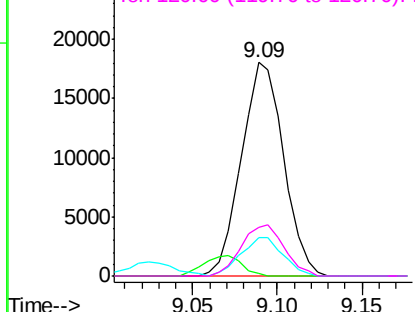


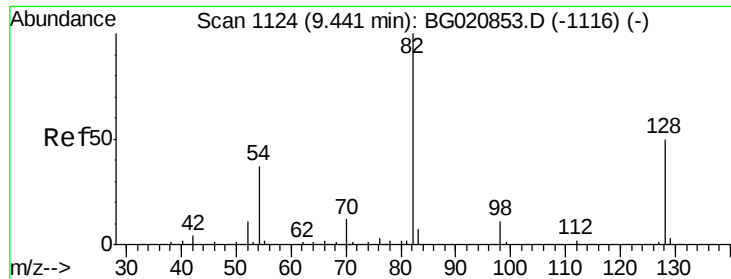
#22
Acetophenone
Concen: 12.57 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:	105	Resp:	31206
Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.4	2.0
51	18.2	13.7	20.5
120	22.7	19.0	28.6



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

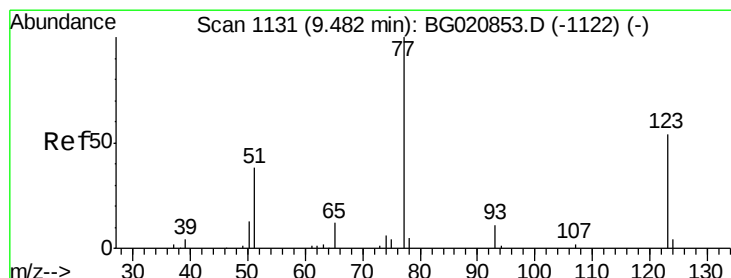
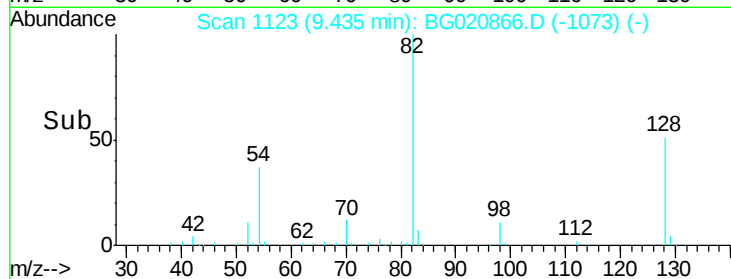
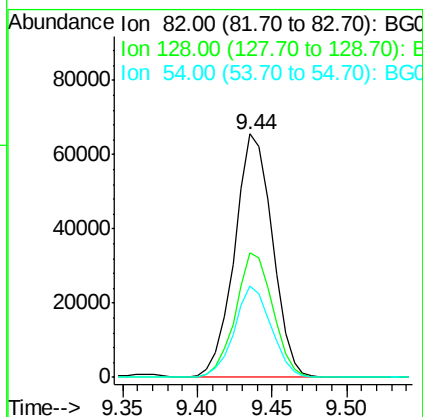
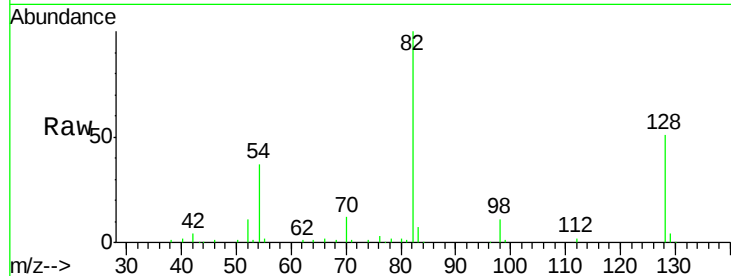




#23
 Nitrobenzene-d5
 Concen: 73.78 ng
 RT: 9.44 min Scan# 1123
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

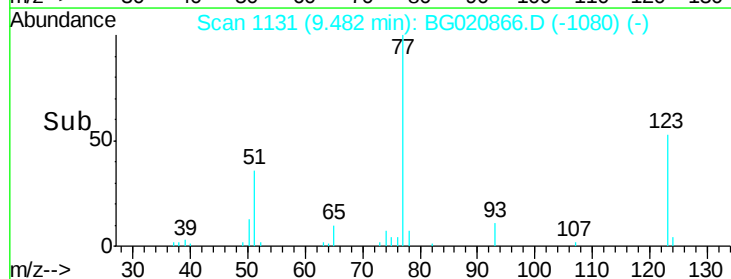
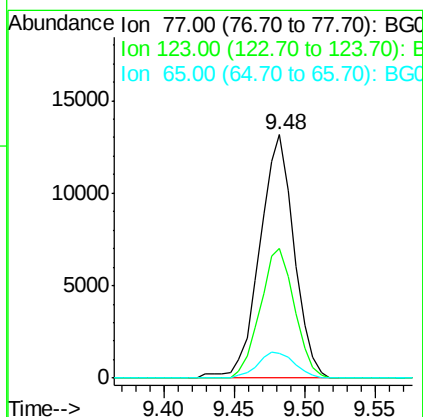
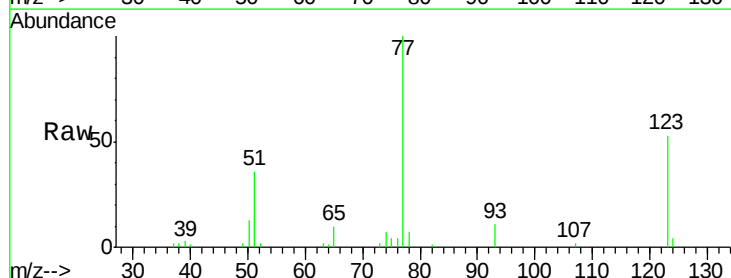
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

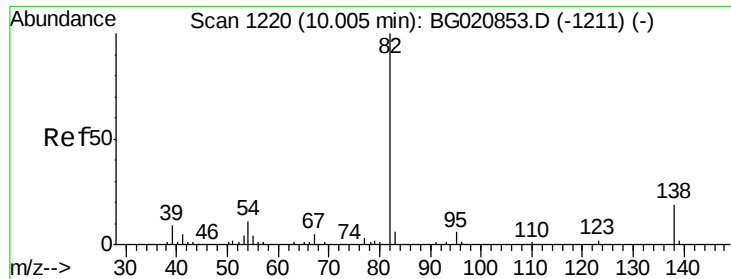
Tgt Ion: 82 Resp: 115548
 Ion Ratio Lower Upper
 82 100
 128 51.1 40.1 60.1
 54 37.3 29.5 44.3



#24
 Nitrobenzene
 Concen: 13.73 ng
 RT: 9.48 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion: 77 Resp: 22416
 Ion Ratio Lower Upper
 77 100
 123 53.3 43.2 64.8
 65 10.3 9.2 13.8





#25

Isophorone

Concen: 13.45 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

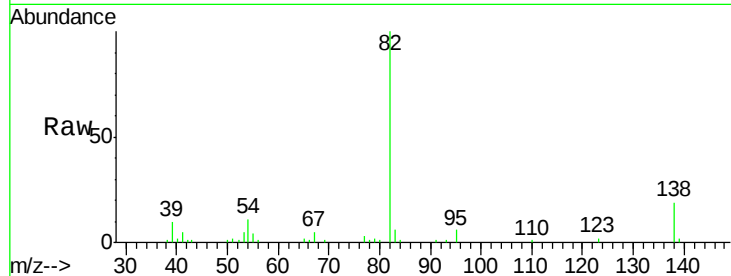
Tgt Ion: 82 Resp: 44401

Ion Ratio Lower Upper

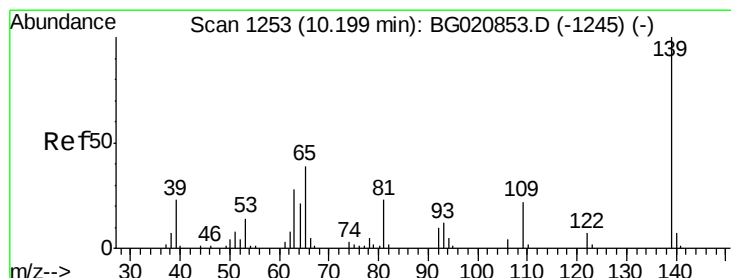
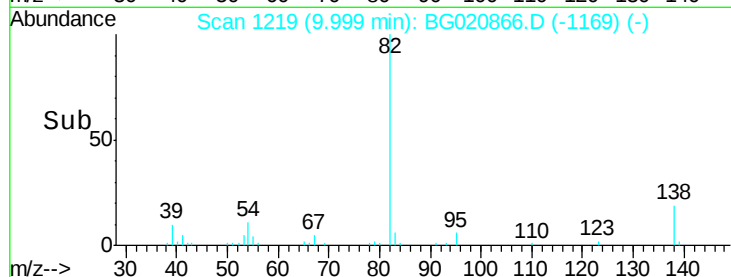
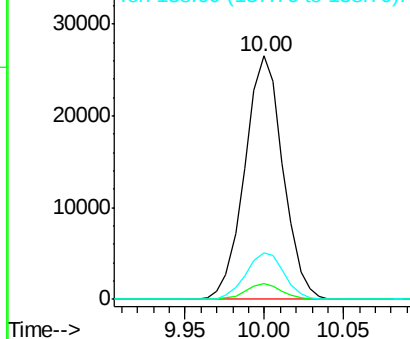
82 100

95 6.3 4.8 7.2

138 19.2 15.4 23.0



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



#26

2-Nitrophenol

Concen: 12.97 ng

RT: 10.19 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

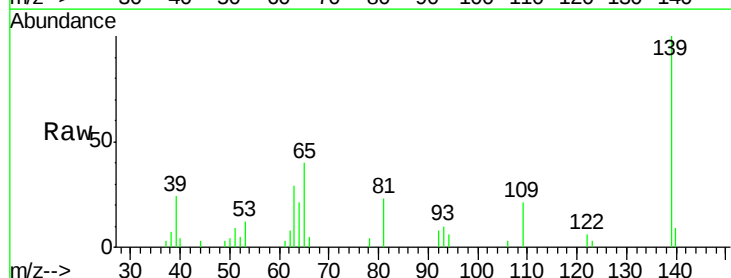
Tgt Ion: 139 Resp: 11140

Ion Ratio Lower Upper

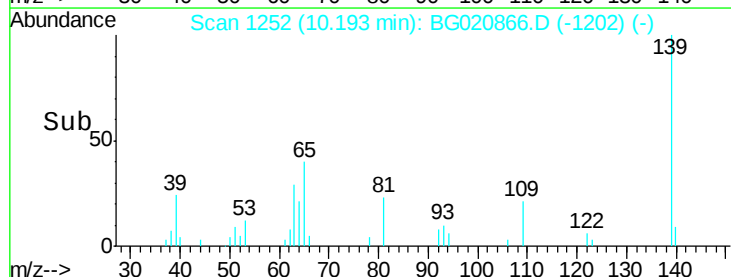
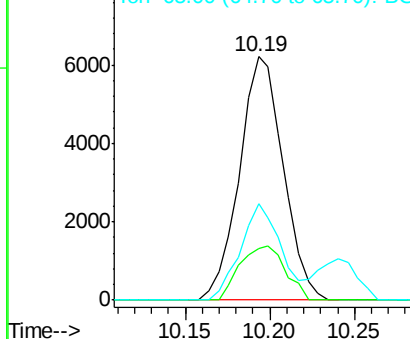
139 100

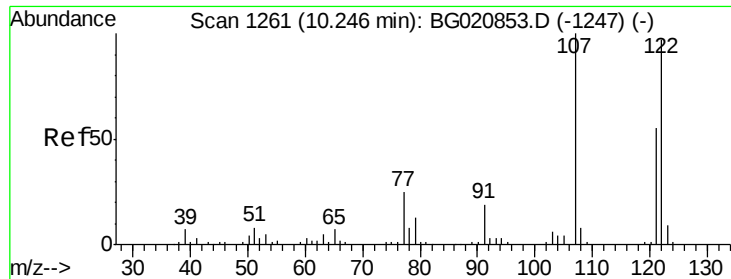
109 21.4 17.6 26.4

65 39.6 31.0 46.6



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

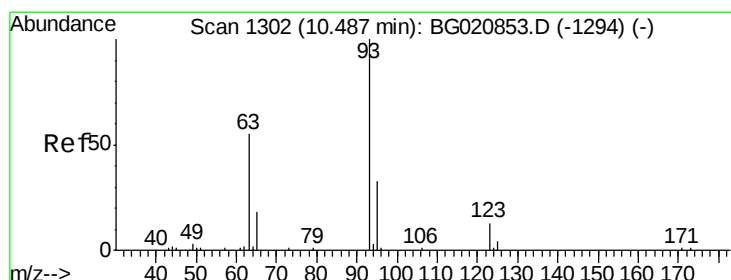
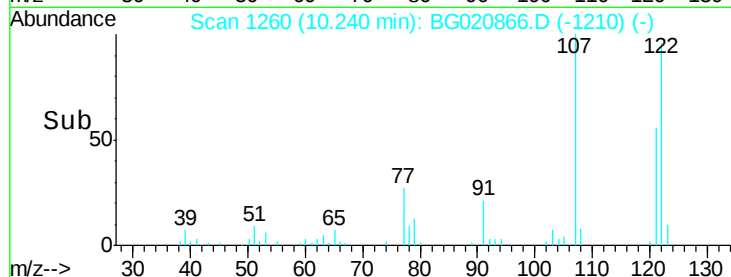
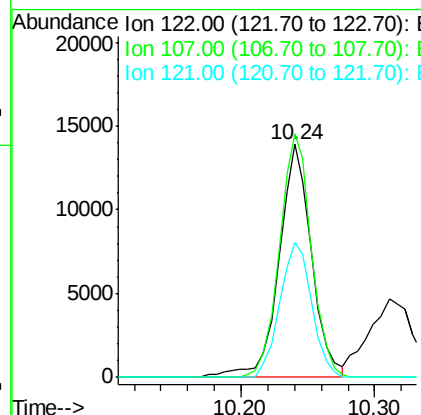
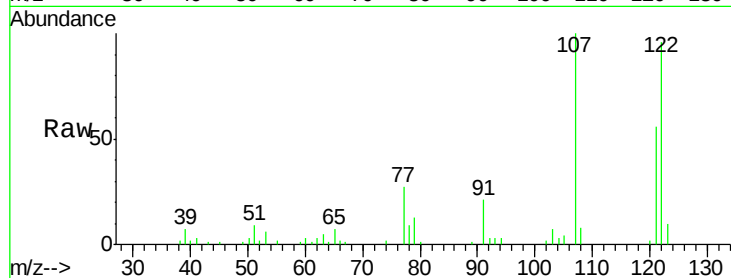




#27
 2,4-Dimethylphenol
 Concen: 14.33 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

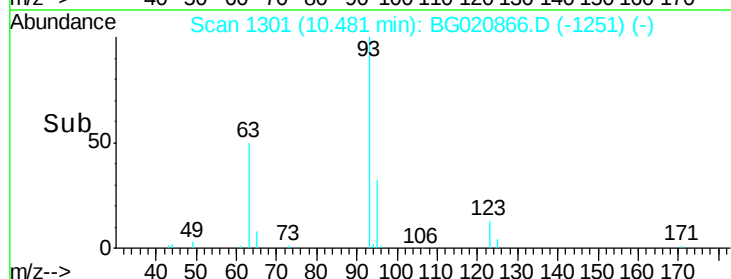
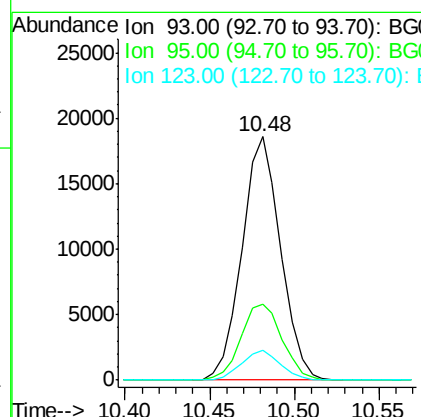
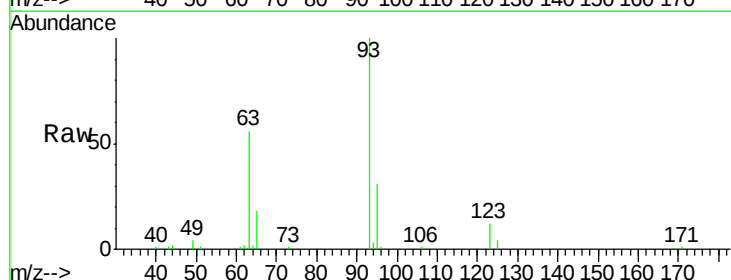
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

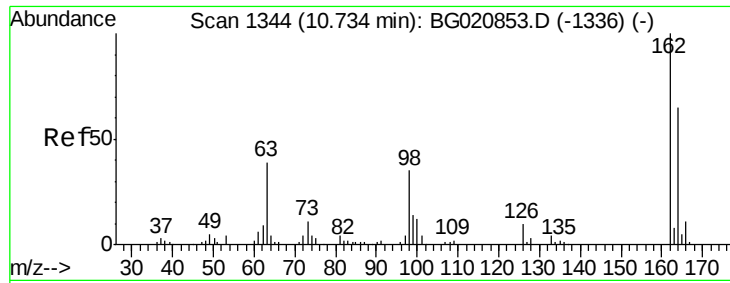
Tgt Ion:122 Resp: 23585
 Ion Ratio Lower Upper
 122 100
 107 104.5 82.6 124.0
 121 58.1 45.6 68.4



#28
 bis(2-Chloroethoxy)methane
 Concen: 14.47 ng
 RT: 10.48 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion: 93 Resp: 29436
 Ion Ratio Lower Upper
 93 100
 95 31.4 26.2 39.2
 123 12.2 10.0 15.0

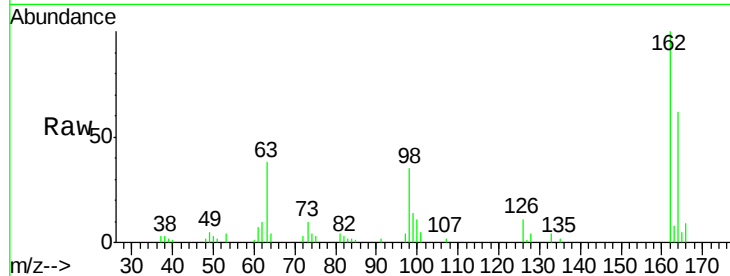




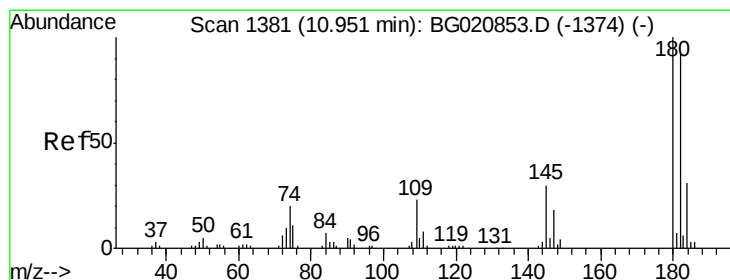
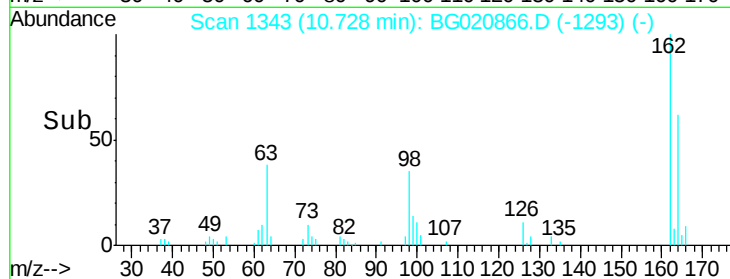
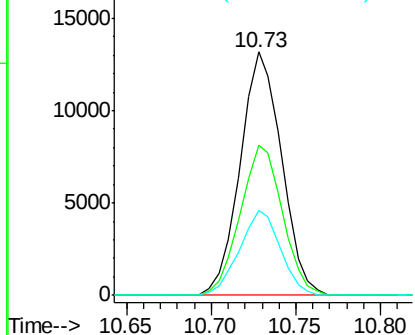
#29
2,4-Dichlorophenol
Concen: 15.22 ng
RT: 10.73 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	22455		
164	61.7		44.5	84.5
98	35.1		14.9	54.9

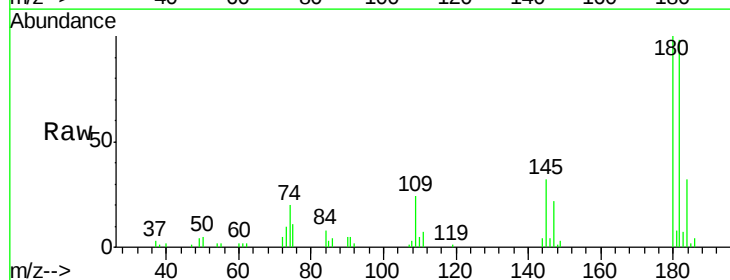


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

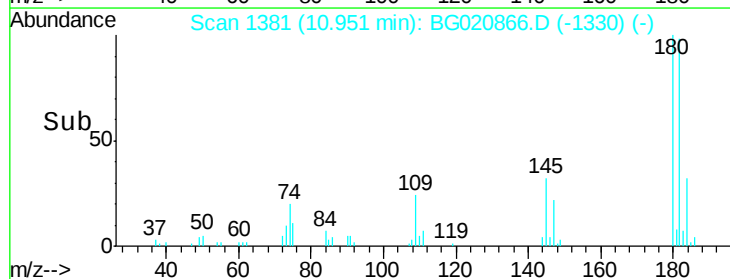
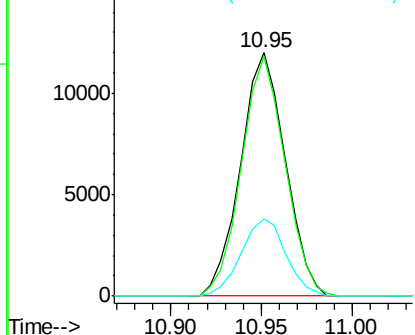


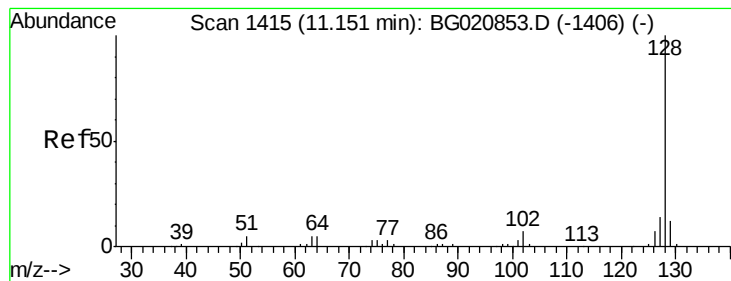
#30
1,2,4-Trichlorobenzene
Concen: 13.83 ng
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	20563		
182	98.4		74.1	111.1
145	31.6		24.1	36.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 14.01 ng

RT: 11.14 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

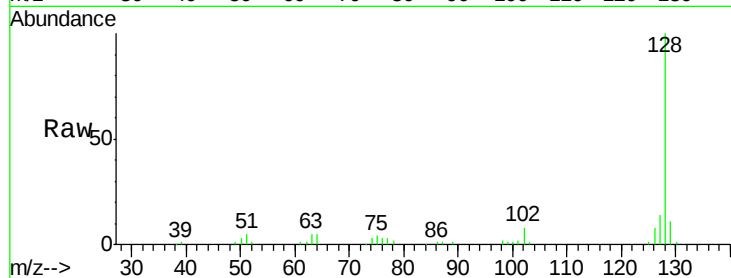
Tgt Ion:128 Resp: 74644

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

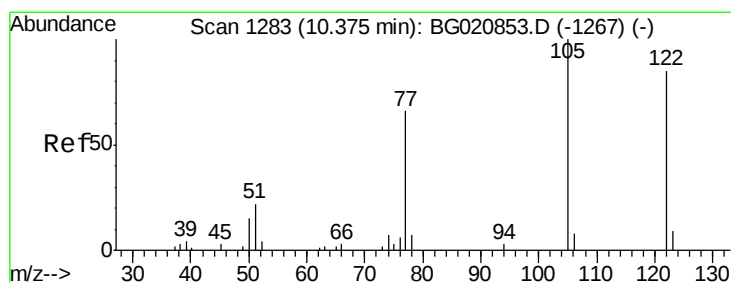
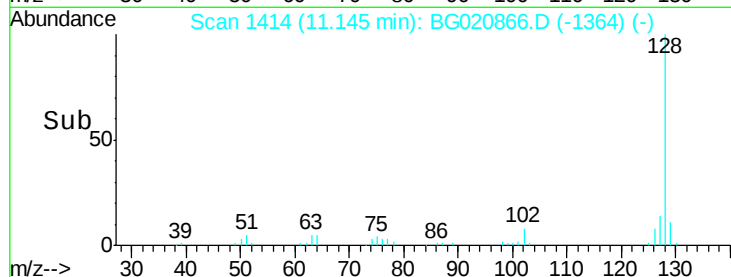
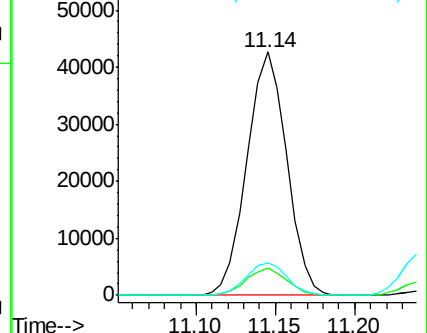
127 13.5 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.95 ng

RT: 10.31 min Scan# 1272

Delta R.T. -0.06 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

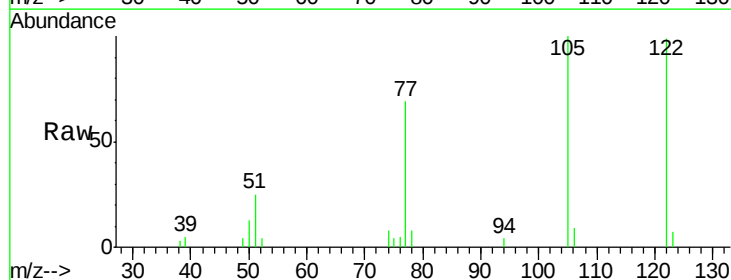
Tgt Ion:122 Resp: 11822

Ion Ratio Lower Upper

122 100

105 100.6 94.0 134.0

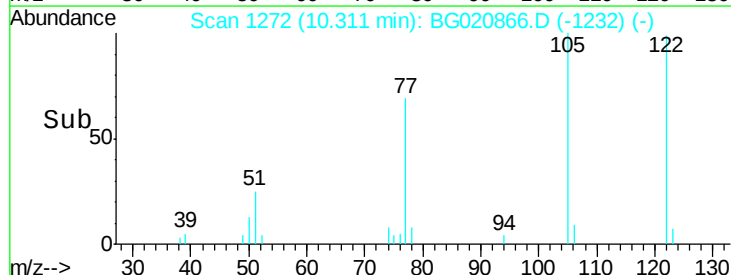
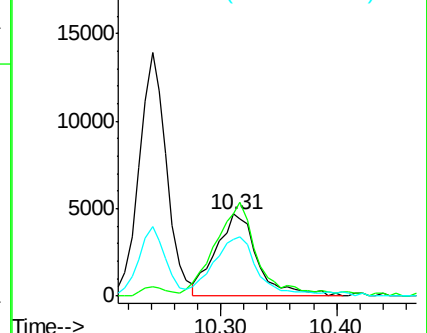
77 69.8 56.8 96.8

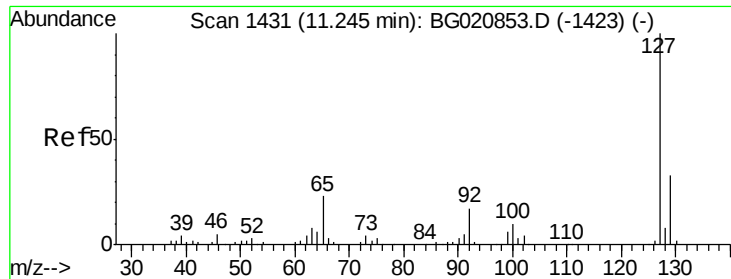


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG

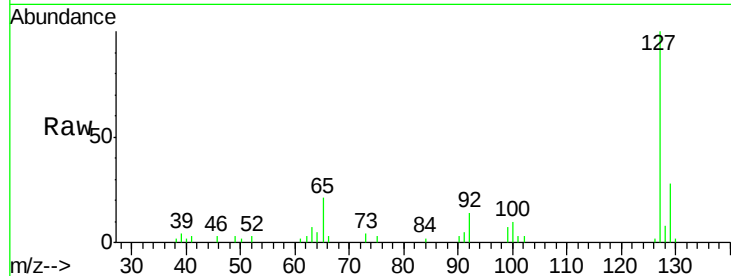




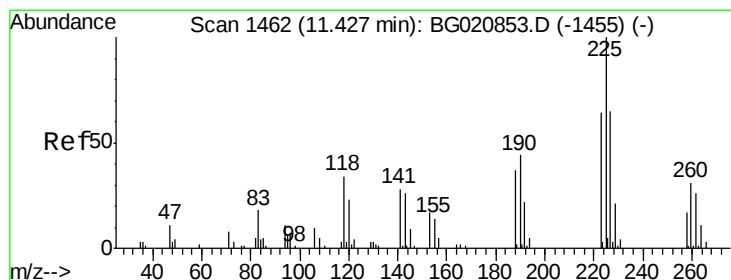
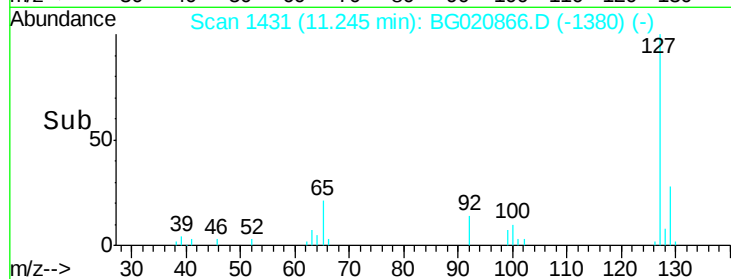
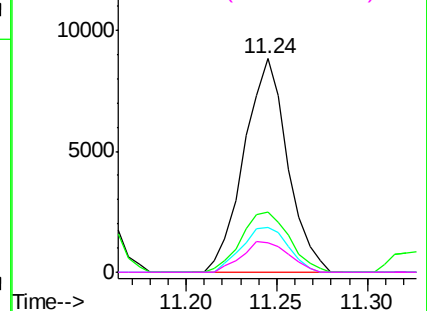
#33
4-Chloroaniline
Concen: 6.45 ng
RT: 11.24 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	14778
Ion	Ratio	Lower	Upper
127	100		
129	28.1	26.2	39.4
65	20.7	18.6	27.8
92	14.1	13.3	19.9

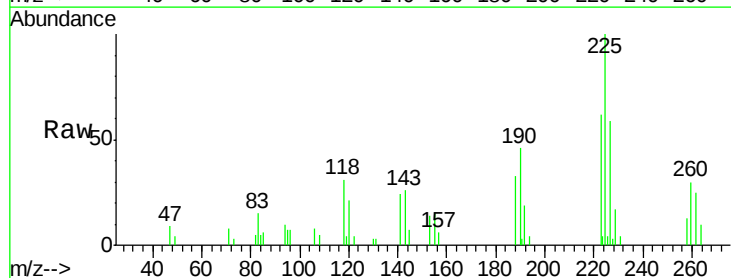


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

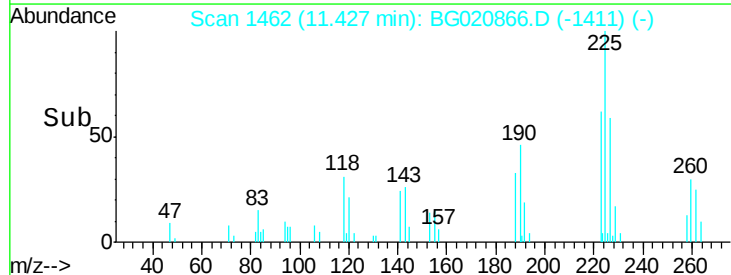
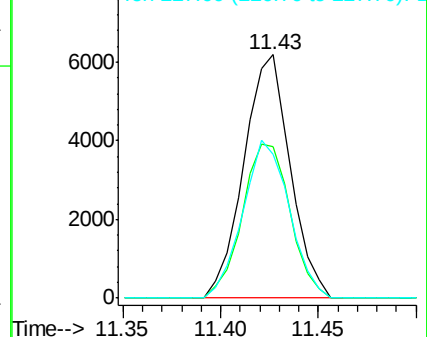


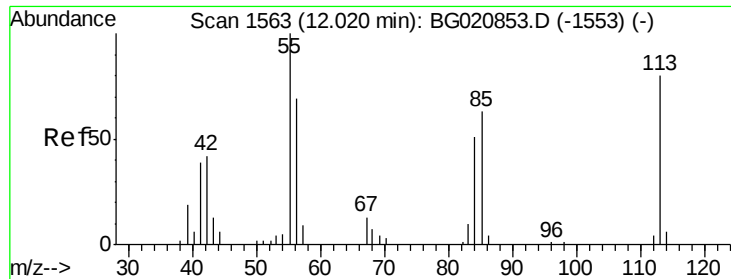
#34
Hexachlorobutadiene
Concen: 13.42 ng
RT: 11.43 min Scan# 1462
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:	225	Resp:	10164
Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.0	76.6
227	59.1	51.7	77.5



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: 16.18 ng

RT: 11.99 min Scan# 1558

Delta R.T. -0.03 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

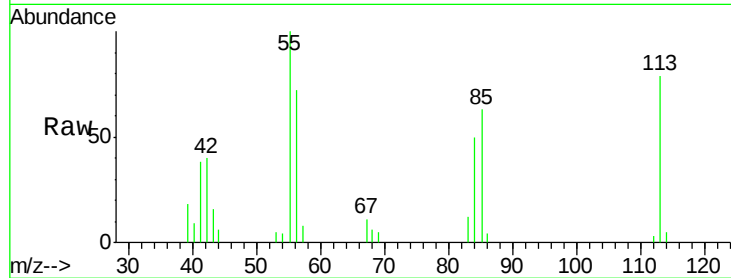
Tgt Ion:113 Resp: 9149

Ion Ratio Lower Upper

113 100

55 126.0 104.4 144.4

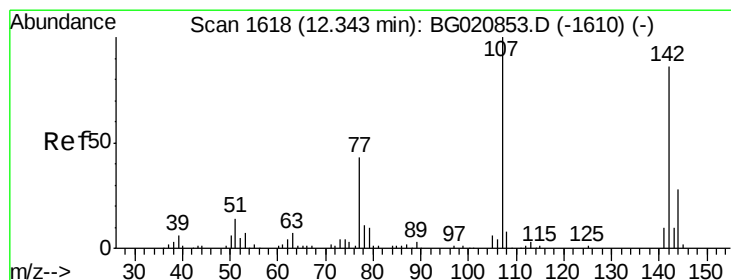
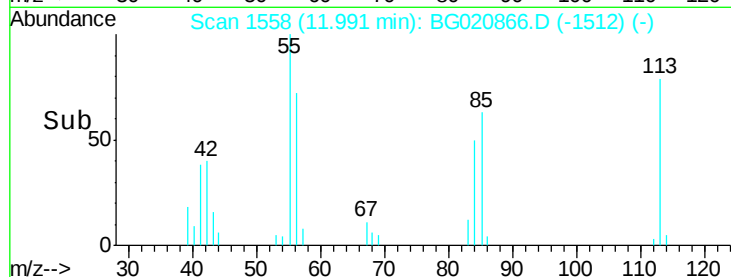
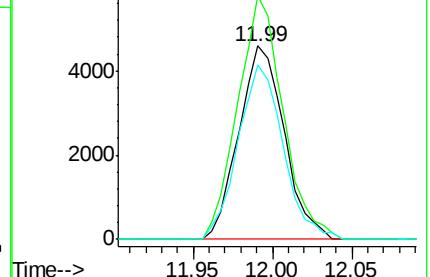
56 90.6 65.4 105.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 14.88 ng

RT: 12.34 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

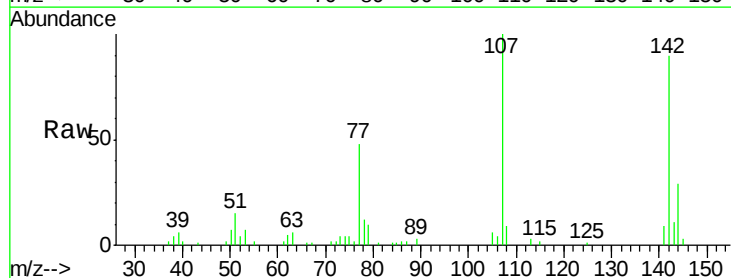
Tgt Ion:107 Resp: 25160

Ion Ratio Lower Upper

107 100

144 28.9 22.4 33.6

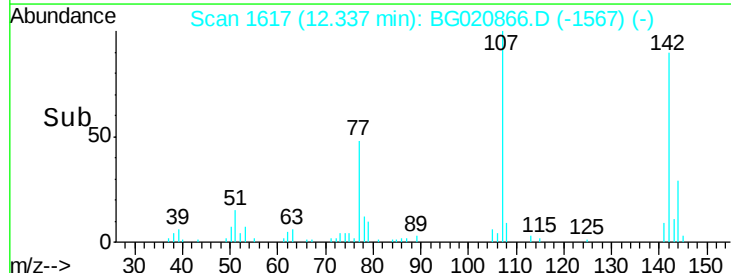
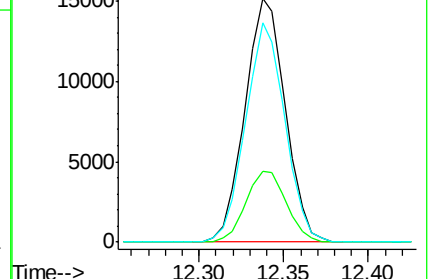
142 89.9 68.6 103.0

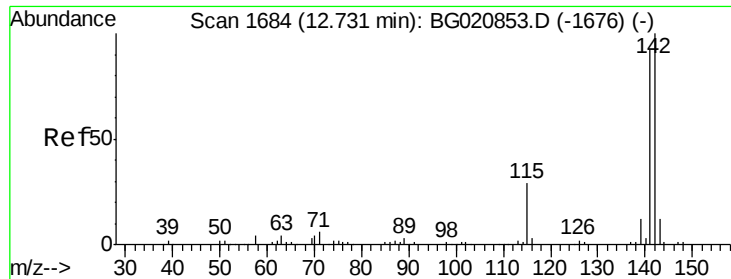


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

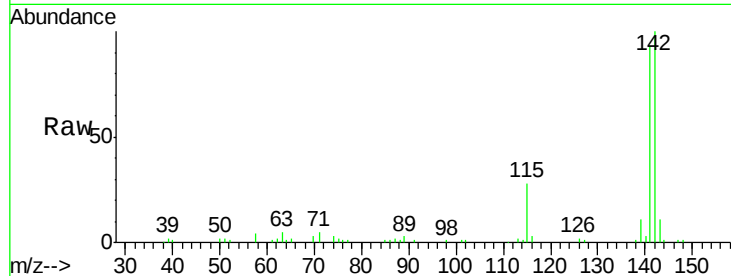




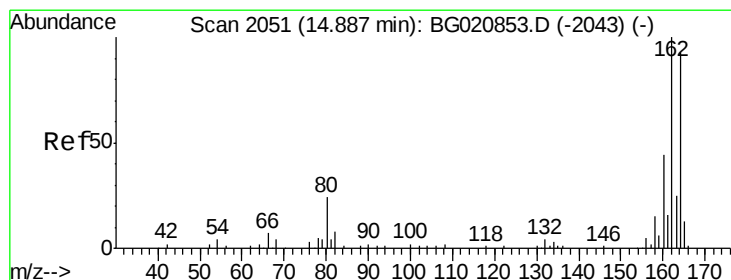
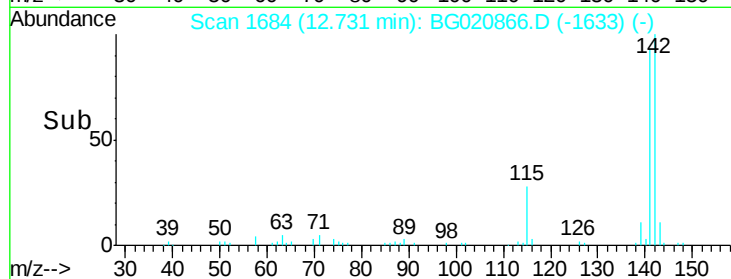
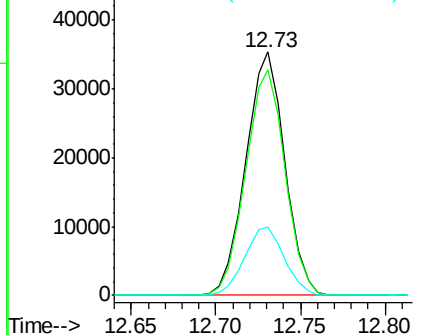
#37
 2-Methylnaphthalene
 Concen: 15.14 ng
 RT: 12.73 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:142 Resp: 56591
 Ion Ratio Lower Upper
 142 100
 141 92.6 73.4 110.2
 115 28.0 23.0 34.6

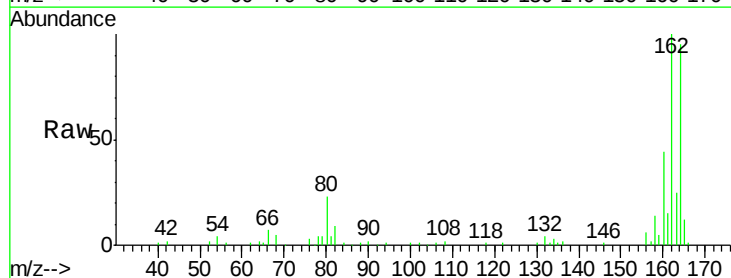


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

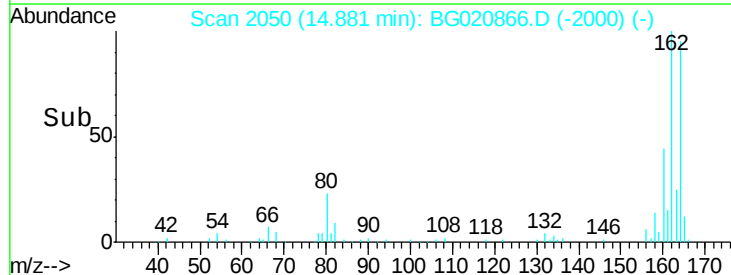
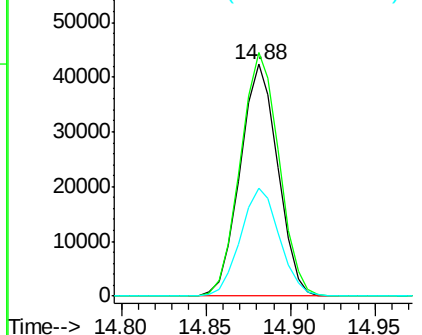


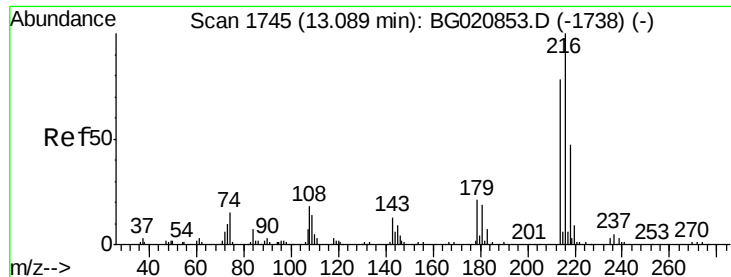
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:164 Resp: 65548
 Ion Ratio Lower Upper
 164 100
 162 105.0 85.7 128.5
 160 46.4 37.4 56.0



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





#39

1,2,4,5-Tetrachlorobenzene

Concen: 11.93 ng

RT: 13.09 min Scan# 1745

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:216 Resp: 22936

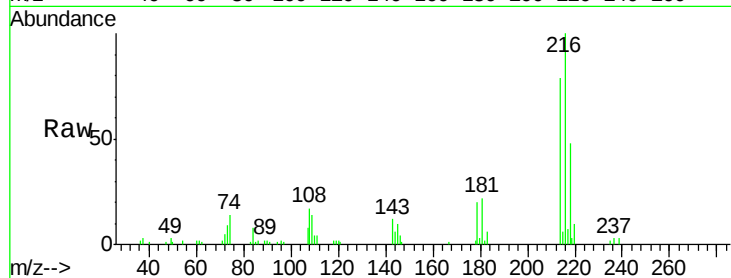
Ion Ratio Lower Upper

216 100

214 78.9 61.9 92.9

179 21.8 16.5 24.7

108 18.6 15.1 22.7

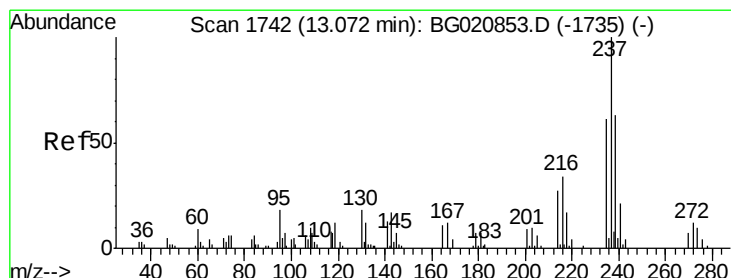
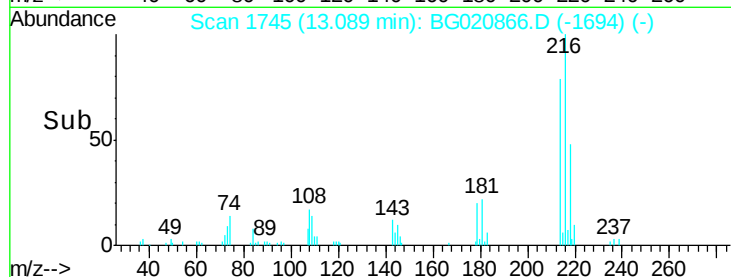
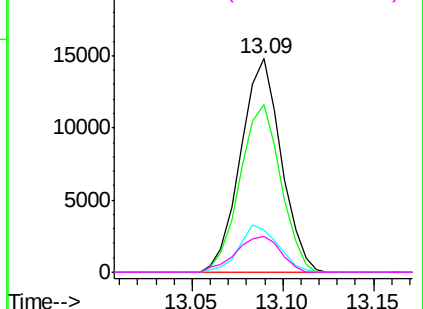


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 10.72 ng

RT: 13.07 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

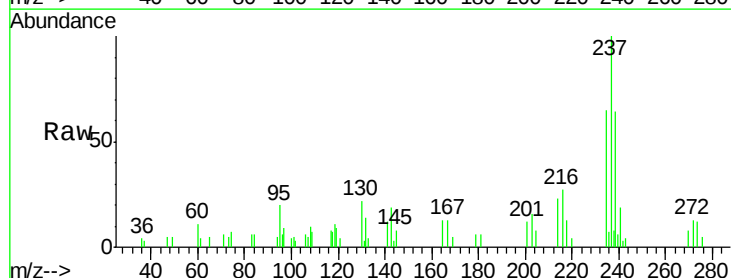
Tgt Ion:237 Resp: 9072

Ion Ratio Lower Upper

237 100

235 65.1 40.8 80.8

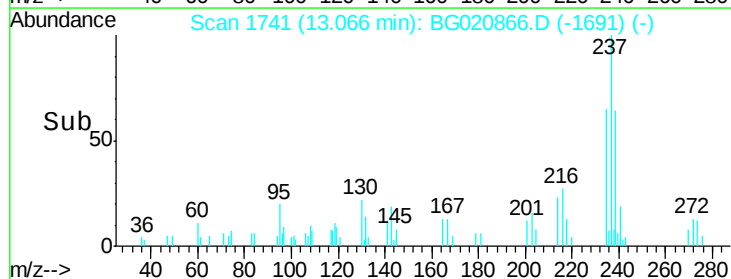
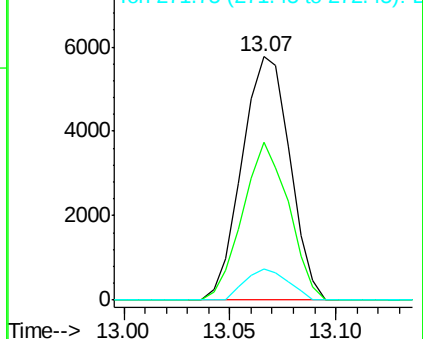
272 12.9 0.0 32.3

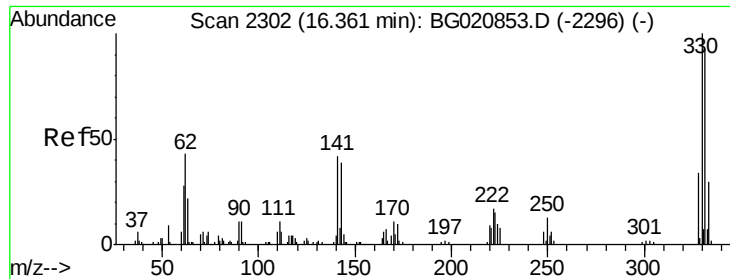


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

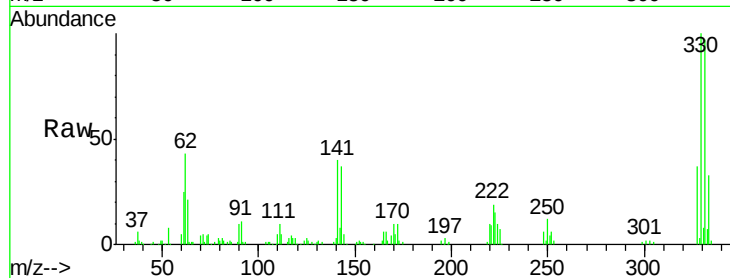




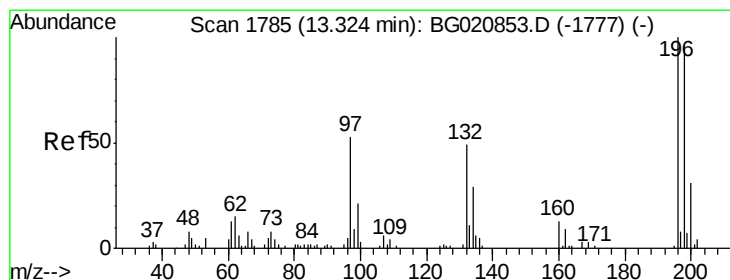
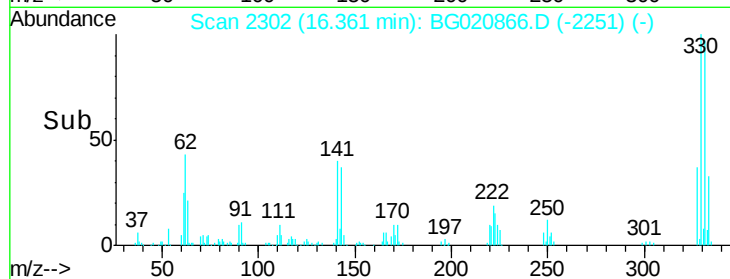
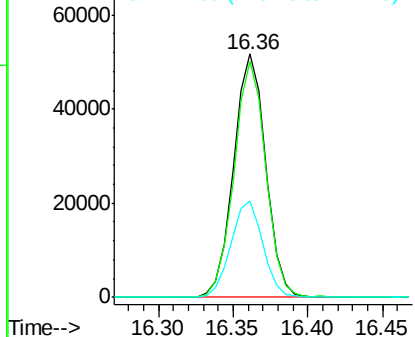
#41
 2,4,6-Tribromophenol
 Concen: 119.65 ng
 RT: 16.36 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 77128
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.1 114.1
 141 39.6 32.0 48.0

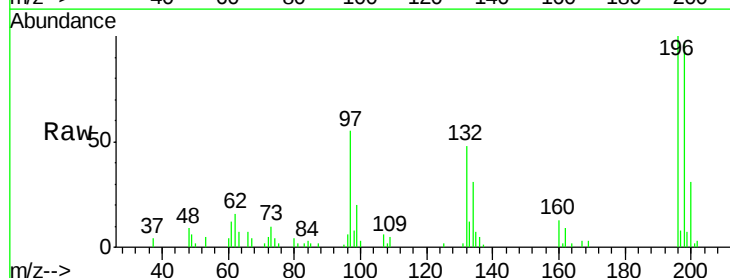


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

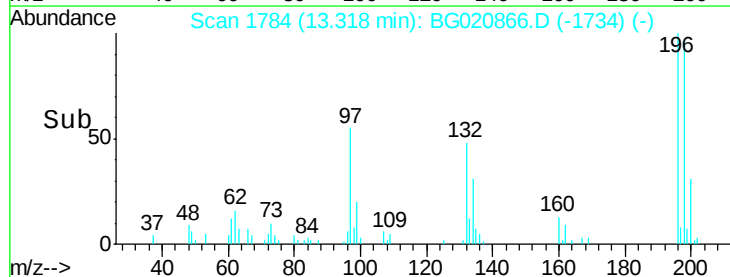
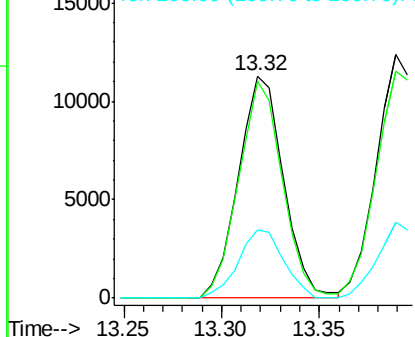


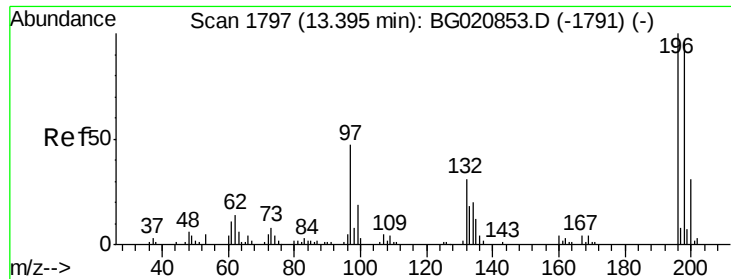
#42
 2,4,6-Trichlorophenol
 Concen: 13.97 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:196 Resp: 18048
 Ion Ratio Lower Upper
 196 100
 198 97.3 77.1 115.7
 200 30.6 24.7 37.1



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

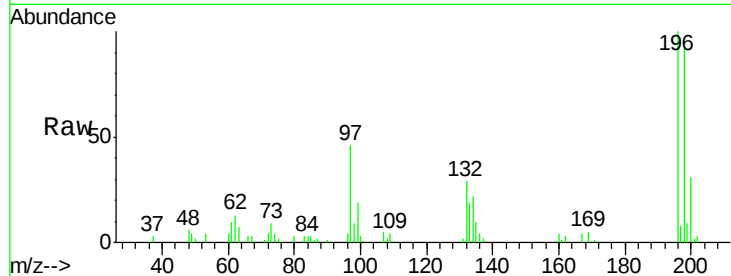




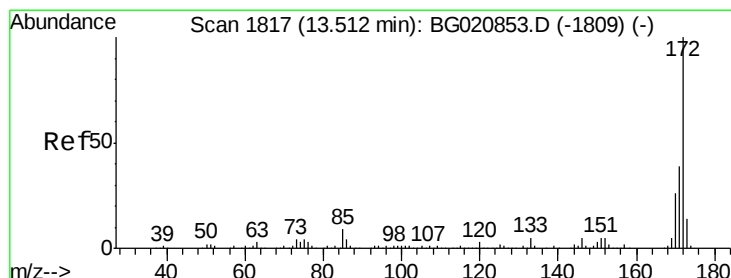
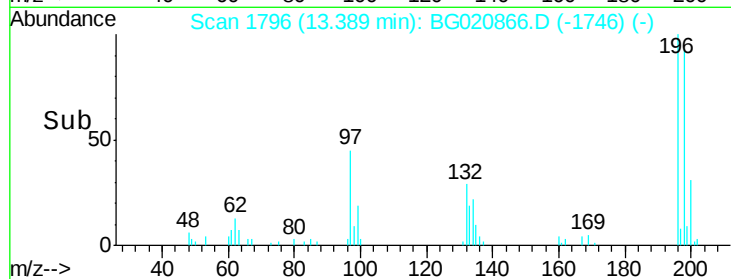
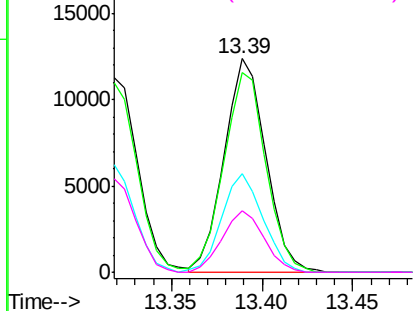
#43
 2,4,5-Trichlorophenol
 Concen: 14.58 ng
 RT: 13.39 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:	196	Resp:	19798
Ion	Ratio	Lower	Upper
196	100		
198	93.4	76.4	114.6
97	46.5	37.4	56.0
132	29.0	24.7	37.1

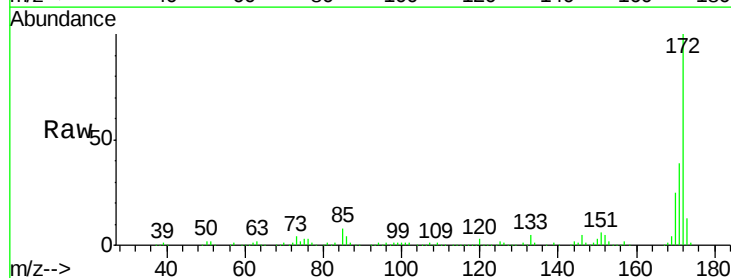


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

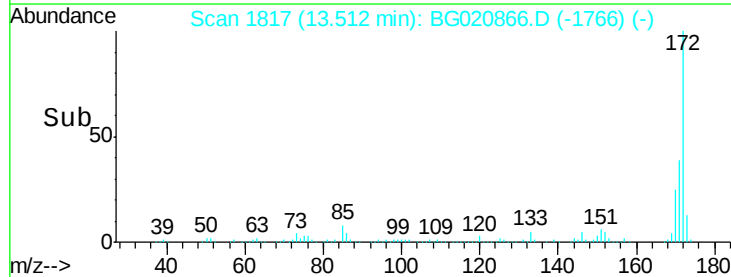
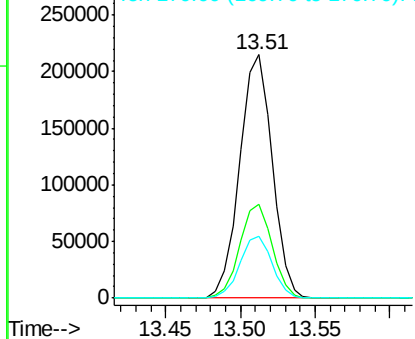


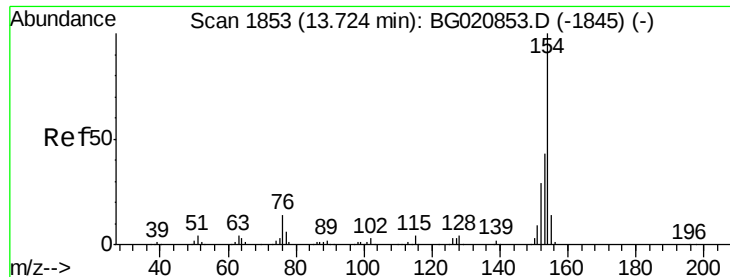
#44
 2-Fluorobiphenyl
 Concen: 69.60 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:	172	Resp:	324759
Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.2	46.8
170	25.3	20.6	30.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

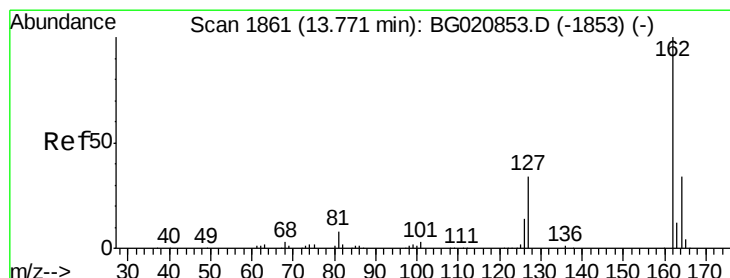
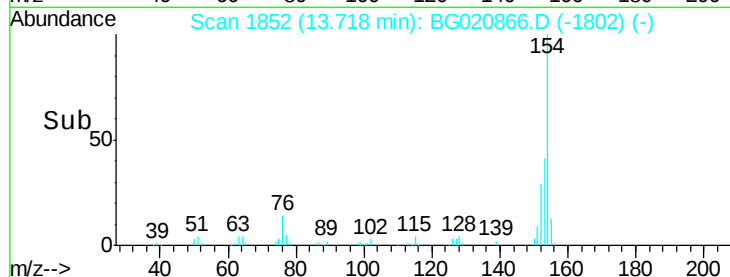
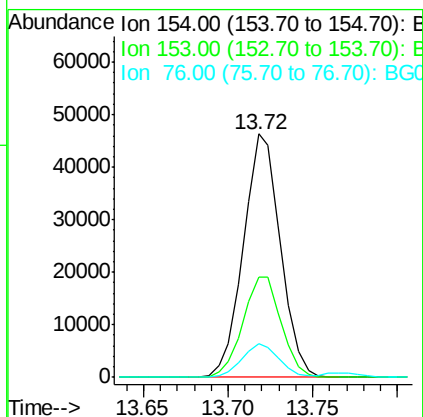
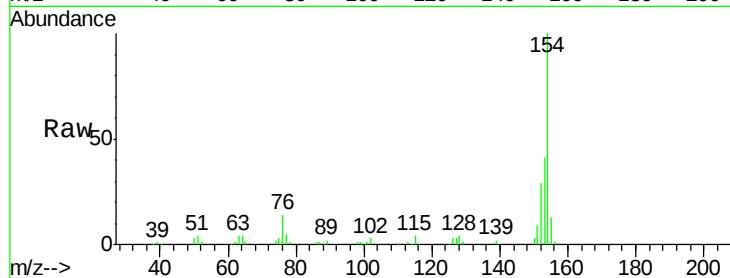




#45
 1,1'-Biphenyl
 Concen: 12.17 ng
 RT: 13.72 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

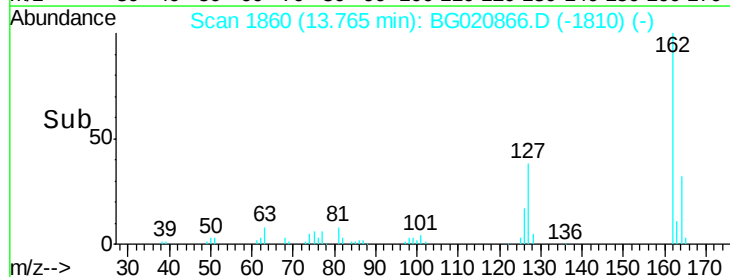
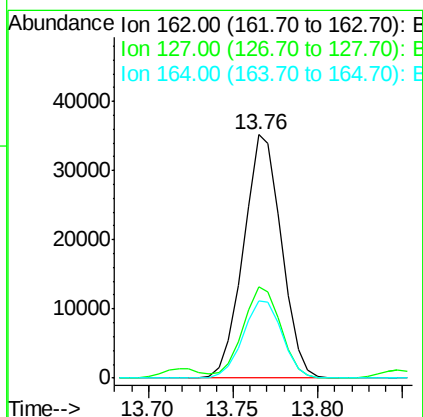
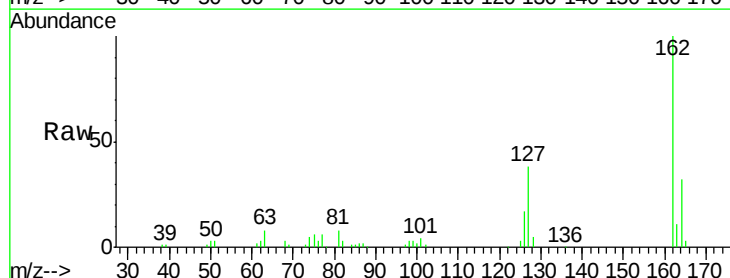
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

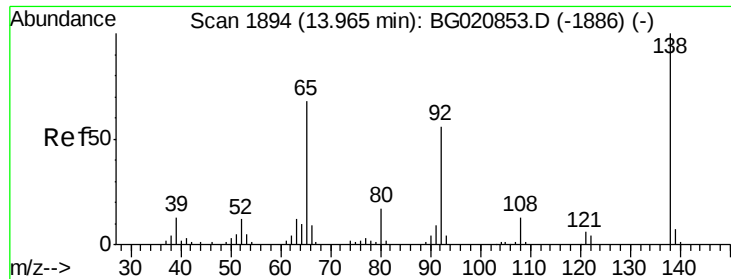
Tgt Ion:154 Resp: 70383
 Ion Ratio Lower Upper
 154 100
 153 41.3 22.5 62.5
 76 13.6 0.0 33.8



#46
 2-Chloronaphthalene
 Concen: 13.25 ng
 RT: 13.76 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:162 Resp: 54859
 Ion Ratio Lower Upper
 162 100
 127 37.7 30.6 45.8
 164 31.8 26.8 40.2

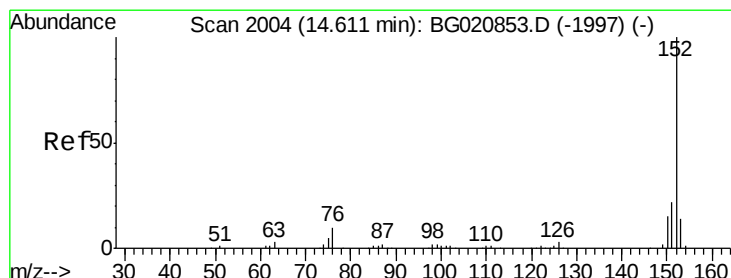
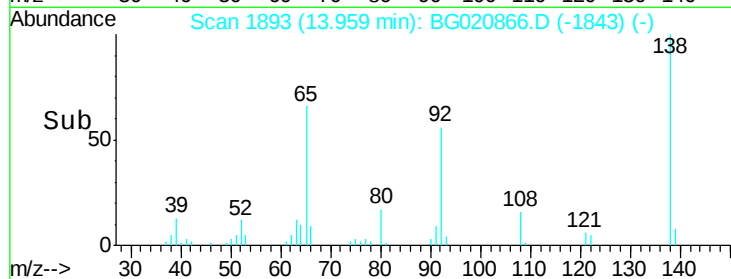
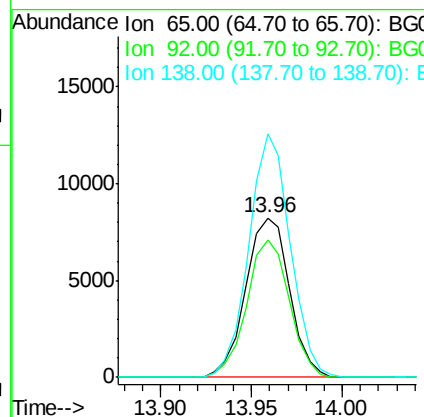
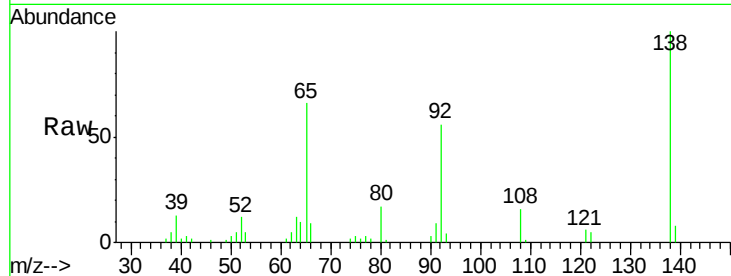




#47
2-Nitroaniline
Concen: 14.04 ng
RT: 13.96 min Scan# 1893
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

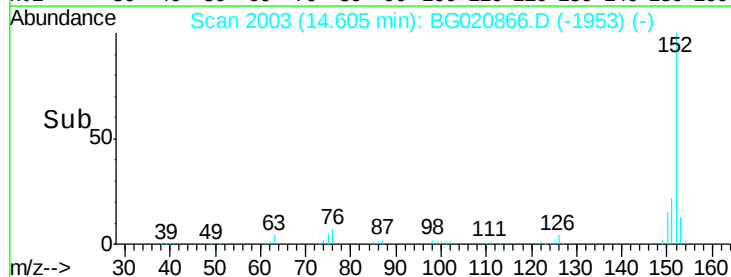
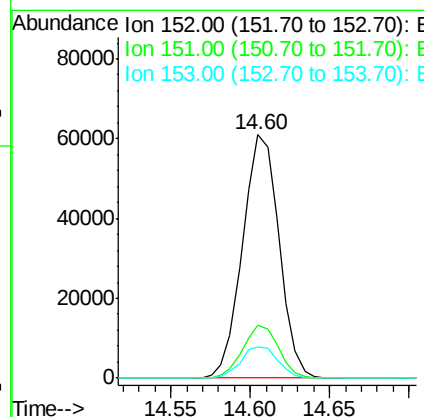
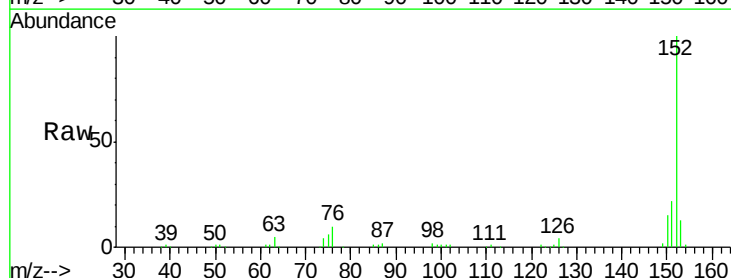
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

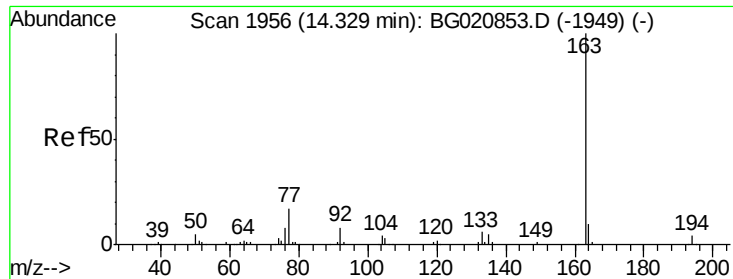
Tgt Ion: 65 Resp: 13918
Ion Ratio Lower Upper
65 100
92 86.1 65.8 98.8
138 152.5 117.1 175.7



#48
Acenaphthylene
Concen: 13.53 ng
RT: 14.60 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion: 152 Resp: 97401
Ion Ratio Lower Upper
152 100
151 21.6 17.5 26.3
153 12.9 10.9 16.3





#49

Dimethylphthalate

Concen: 13.81 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

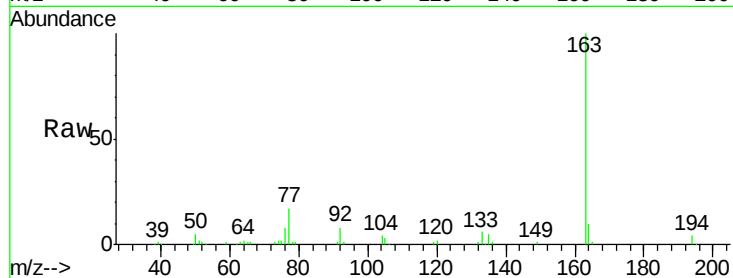
Tgt Ion:163 Resp: 70768

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

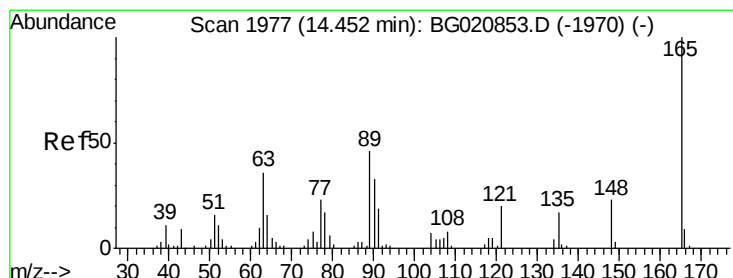
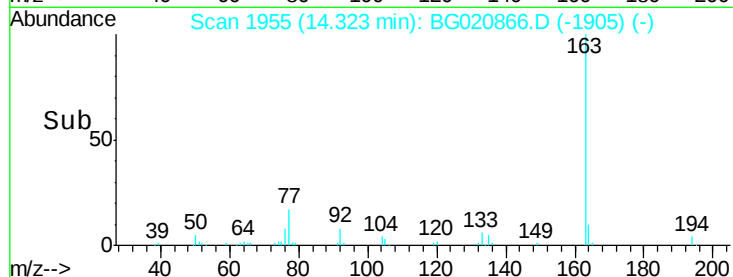
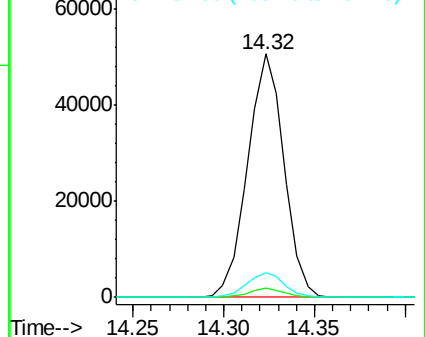
164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 13.86 ng

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

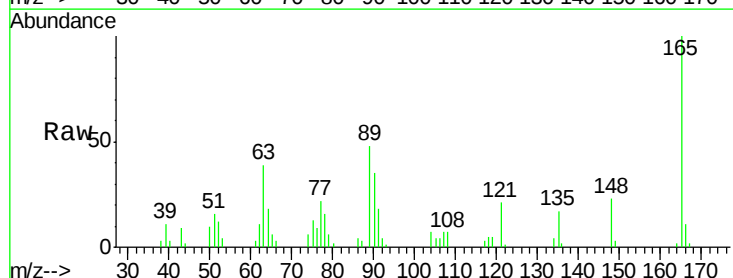
Tgt Ion:165 Resp: 15222

Ion Ratio Lower Upper

165 100

63 38.6 30.3 45.5

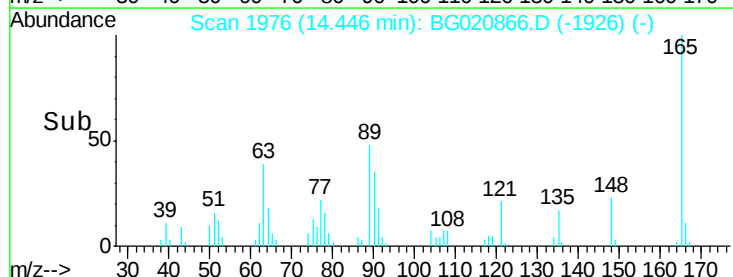
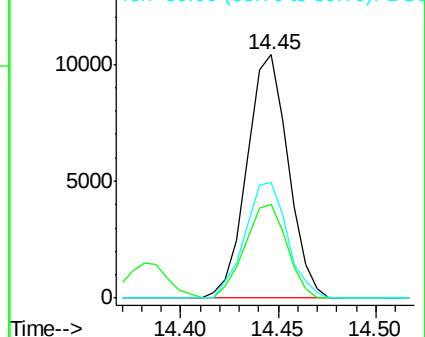
89 47.5 36.9 55.3

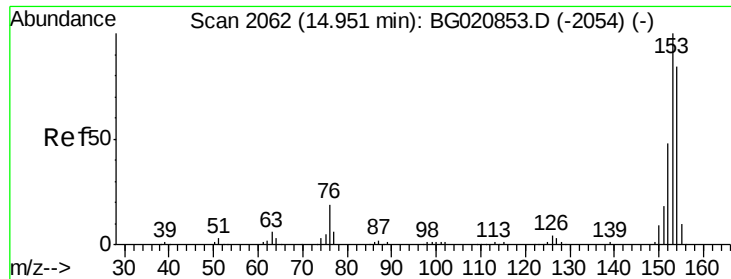


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 13.48 ng

RT: 14.95 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

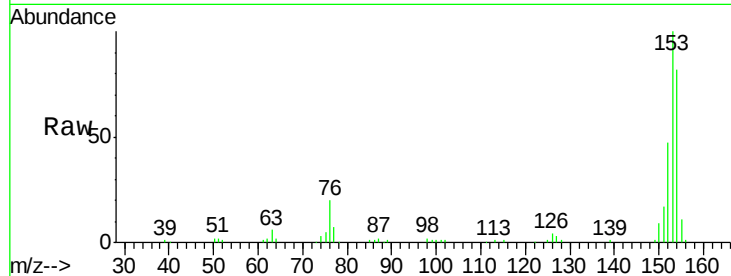
Tgt Ion:154 Resp: 58817

Ion Ratio Lower Upper

154 100

153 121.8 95.4 143.0

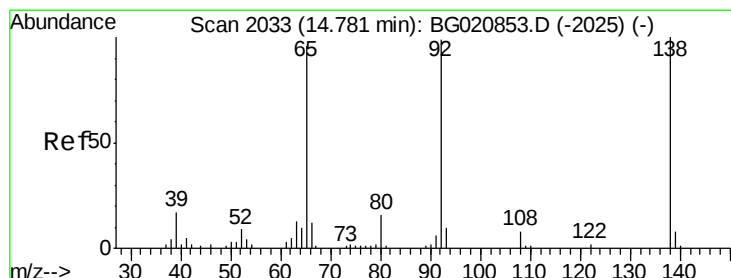
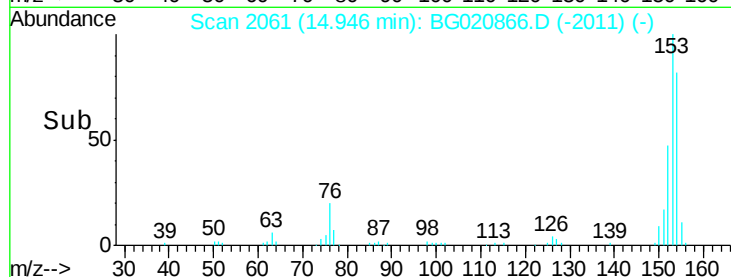
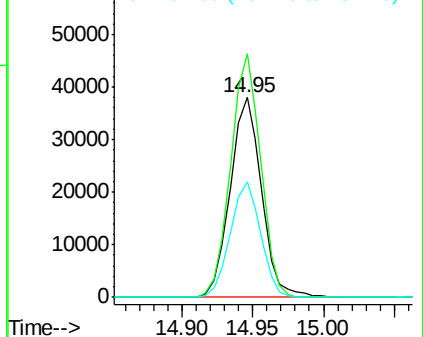
152 57.7 46.1 69.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.52 ng

RT: 14.78 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

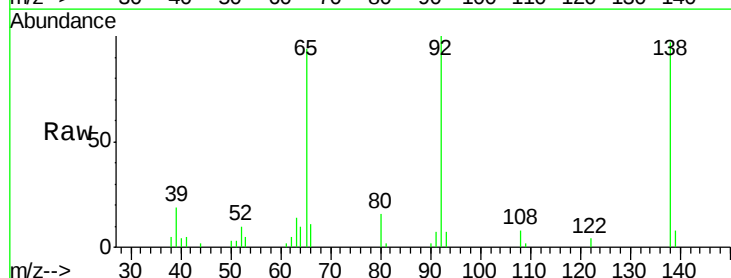
Tgt Ion:138 Resp: 13428

Ion Ratio Lower Upper

138 100

108 8.3 6.2 9.2

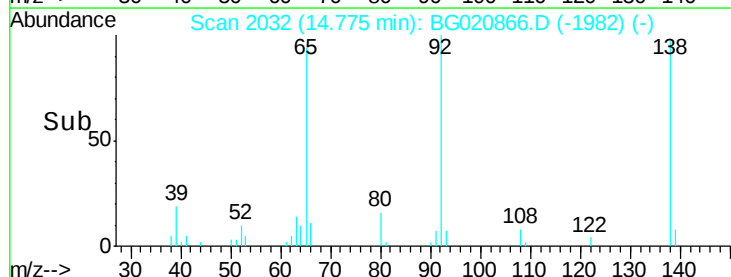
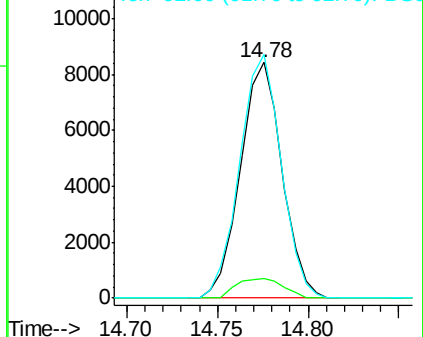
92 103.4 79.5 119.3

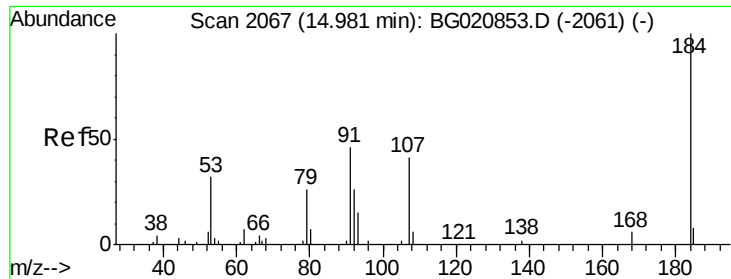


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

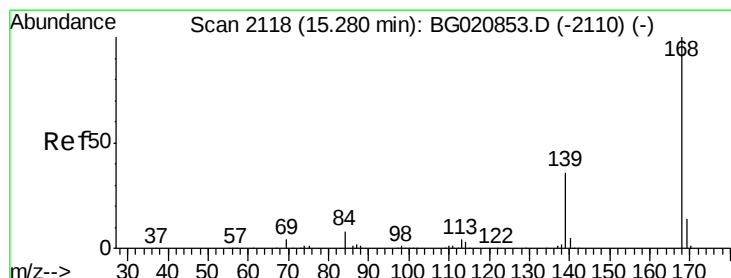
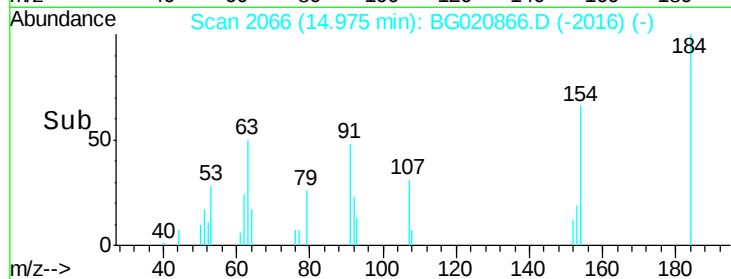
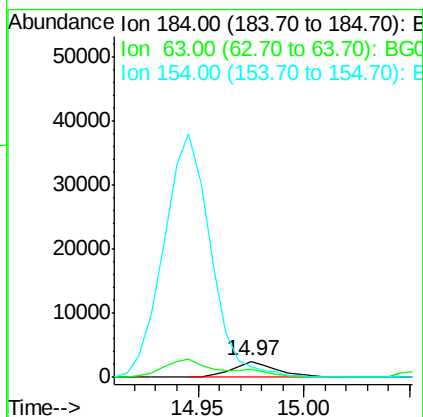
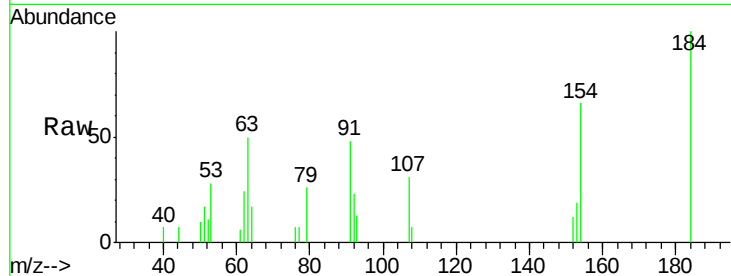




#53
2,4-Dinitrophenol
Concen: 15.17 ng
RT: 14.97 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

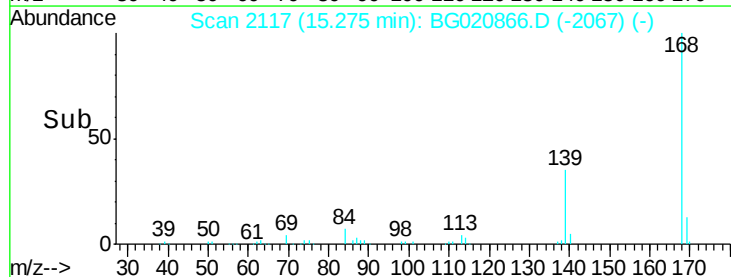
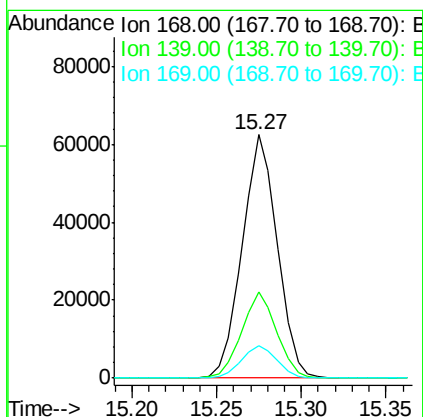
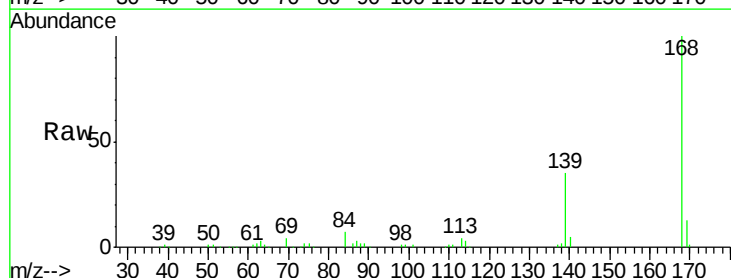
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

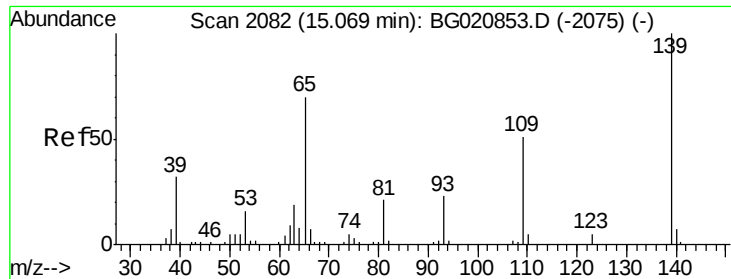
Tgt Ion:184 Resp: 3515
Ion Ratio Lower Upper
184 100
63 49.5 39.8 59.6
154 66.3 48.1 72.1



#54
Dibenzofuran
Concen: 15.66 ng
RT: 15.27 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:168 Resp: 90401
Ion Ratio Lower Upper
168 100
139 35.4 28.5 42.7
169 13.2 11.0 16.4

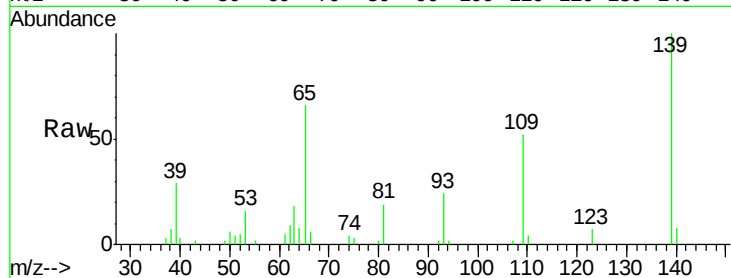




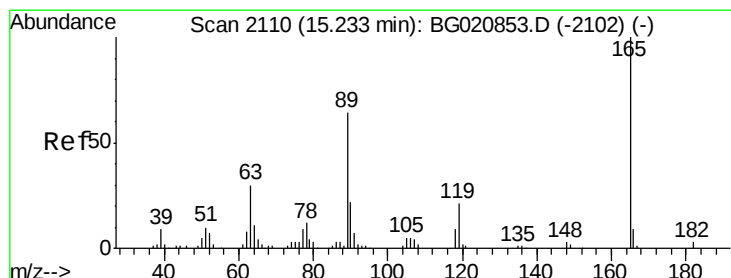
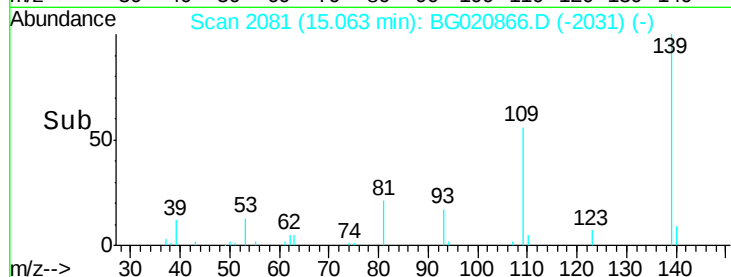
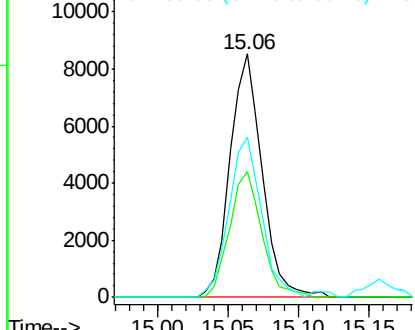
#55
4-Nitrophenol
Concen: 13.99 ng
RT: 15.06 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:139 Resp: 13483
Ion Ratio Lower Upper
139 100
109 51.8 31.0 71.0
65 65.7 49.6 89.6

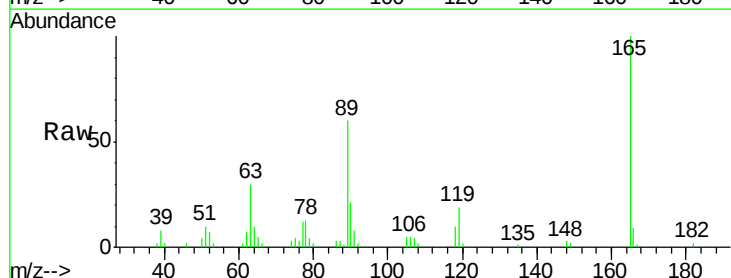


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

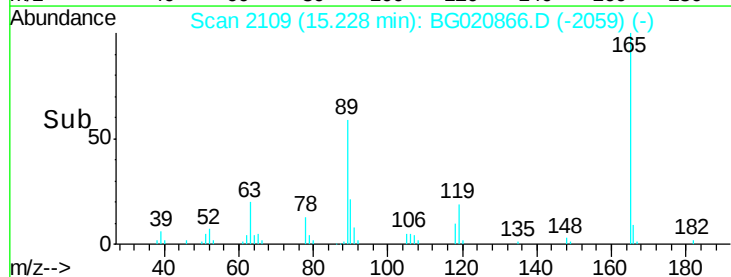
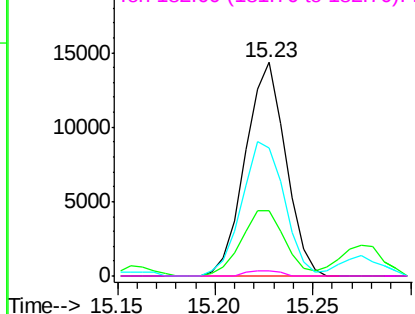


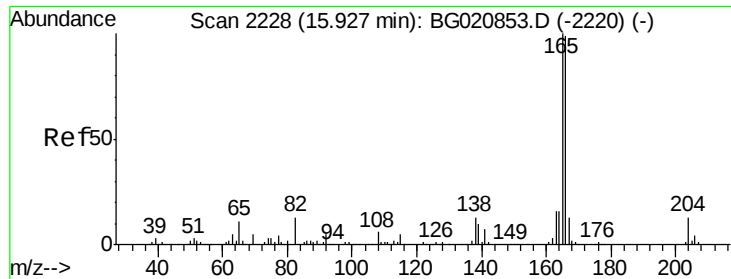
#56
2,4-Dinitrotoluene
Concen: 14.51 ng
RT: 15.23 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:165 Resp: 20603
Ion Ratio Lower Upper
165 100
63 30.5 23.7 35.5
89 60.0 50.9 76.3
182 2.5 2.2 3.2



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





#57

Fluorene

Concen: 14.32 ng

RT: 15.92 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

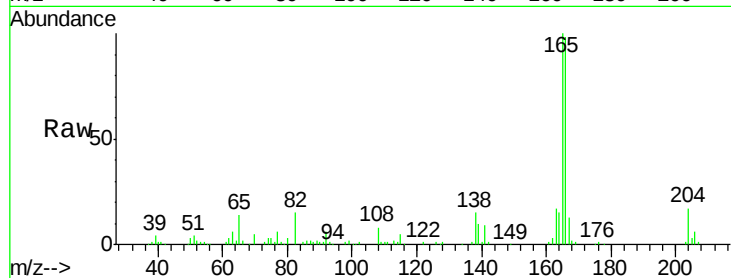
Tgt Ion:166 Resp: 76151

Ion Ratio Lower Upper

166 100

165 101.6 81.0 121.4

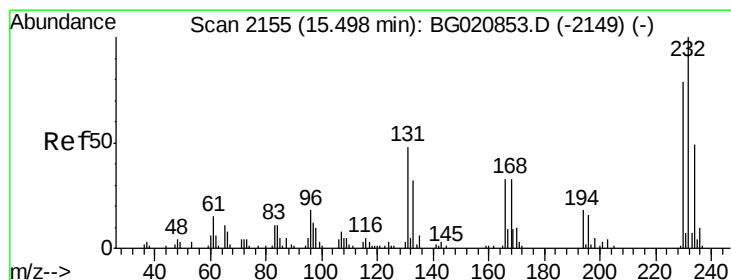
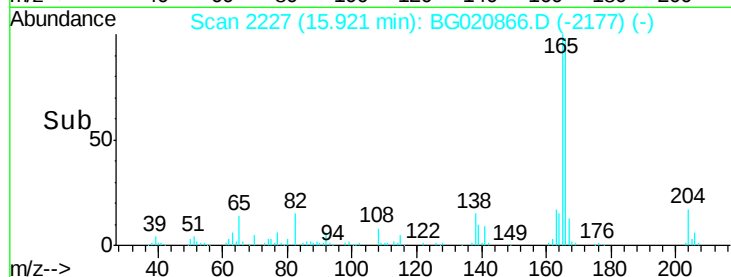
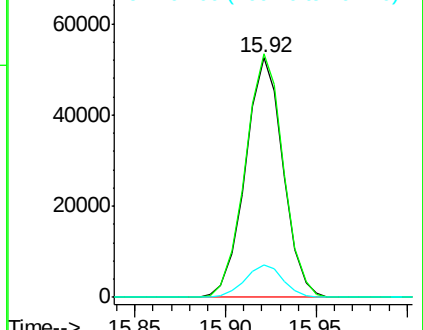
167 13.4 10.8 16.2



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 15.81 ng

RT: 15.49 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Tgt Ion:232 Resp: 16358

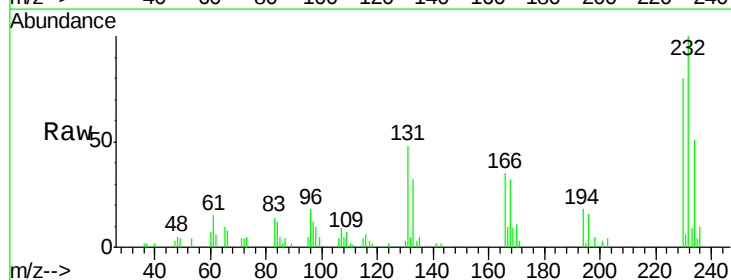
Ion Ratio Lower Upper

232 100

131 48.6 39.2 58.8

130 2.0 2.0 3.0

166 32.5 25.8 38.8

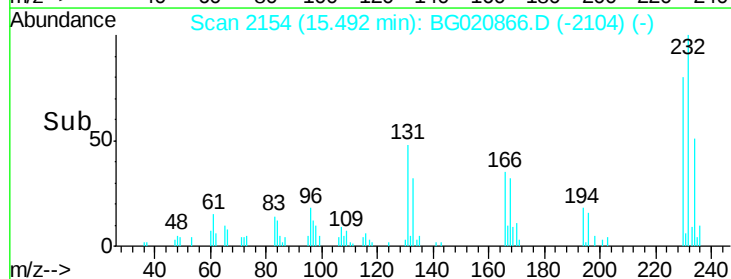
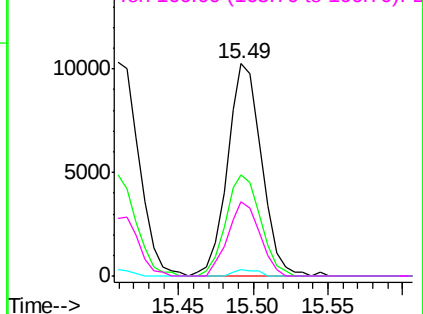


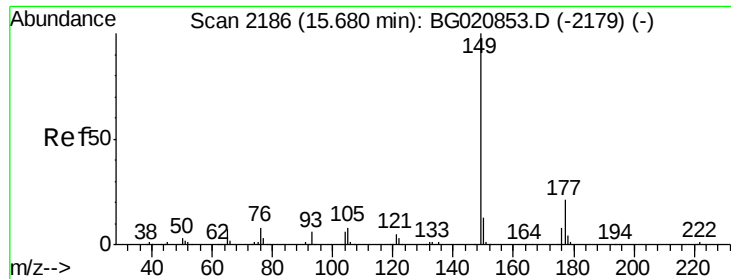
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 14.44 ng

RT: 15.67 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

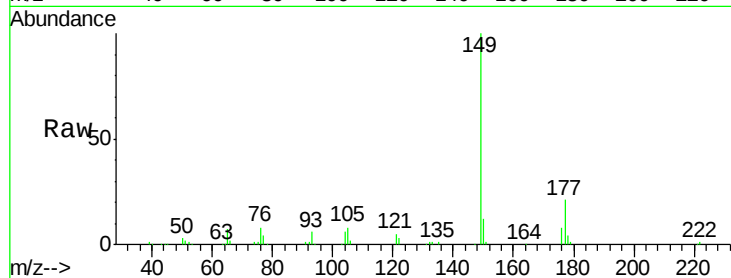
Tgt Ion:149 Resp: 76079

Ion Ratio Lower Upper

149 100

177 21.5 16.9 25.3

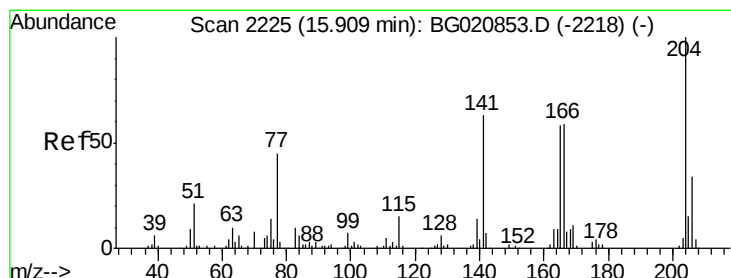
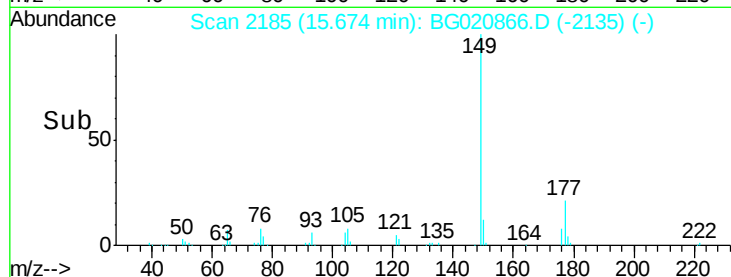
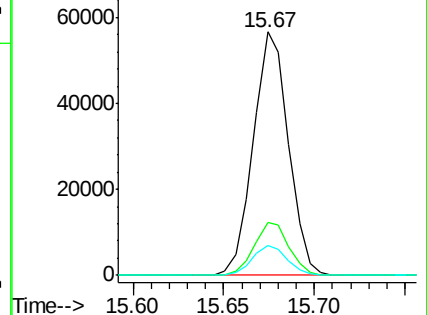
150 12.5 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 13.62 ng

RT: 15.91 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

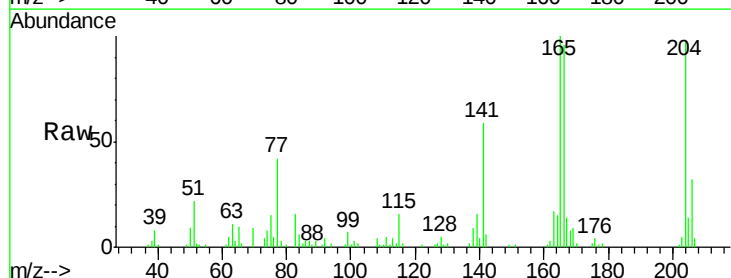
Tgt Ion:204 Resp: 32171

Ion Ratio Lower Upper

204 100

206 33.0 26.9 40.3

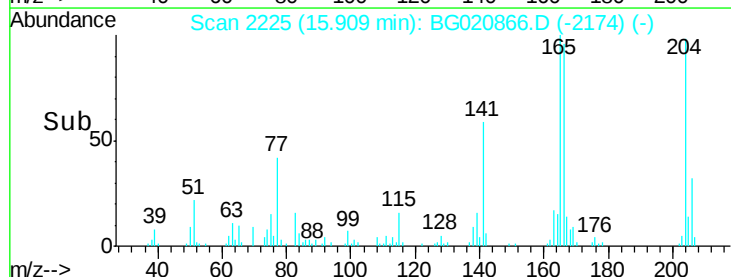
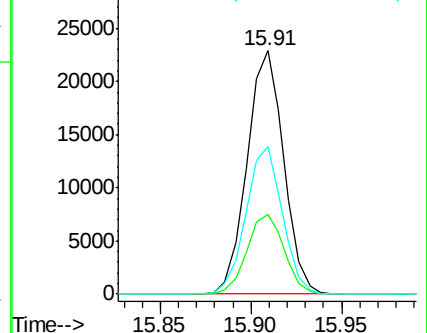
141 60.8 50.3 75.5

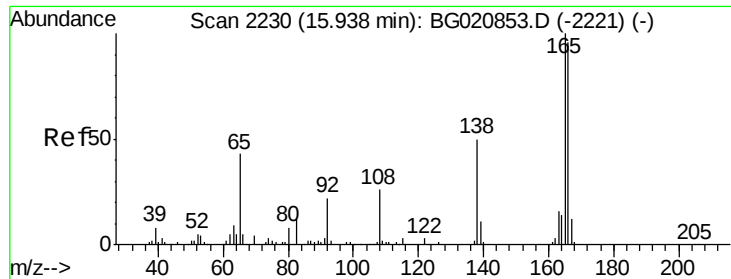


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 14.30 ng

RT: 15.93 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

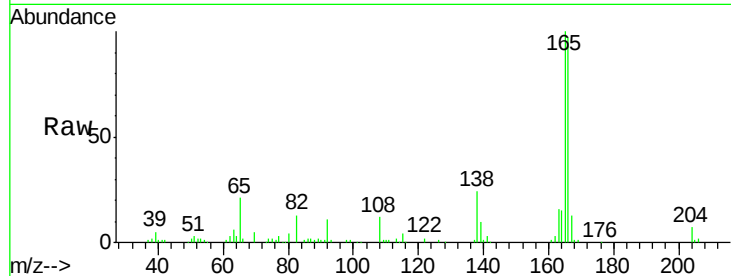
Tgt Ion:138 Resp: 18326

Ion Ratio Lower Upper

138 100

92 45.2 24.1 64.1

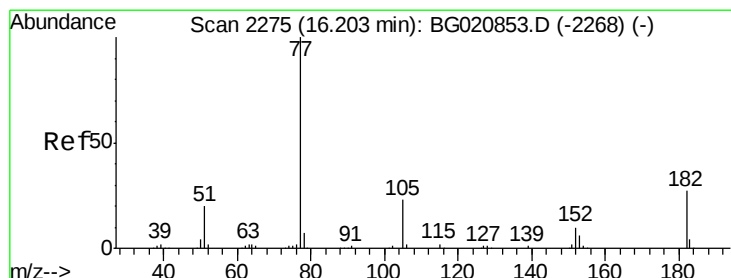
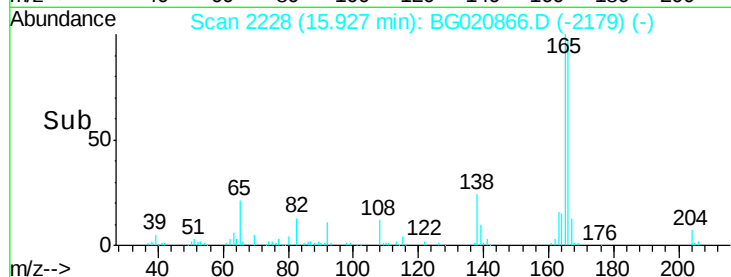
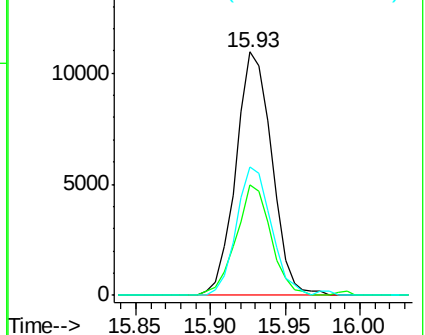
108 52.6 32.4 72.4



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 15.63 ng

RT: 16.20 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Tgt Ion: 77 Resp: 64773

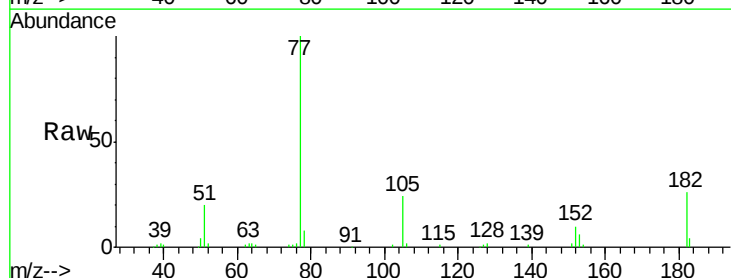
Ion Ratio Lower Upper

77 100

182 25.6 6.8 46.8

105 24.0 3.4 43.4

51 20.3 0.0 39.9

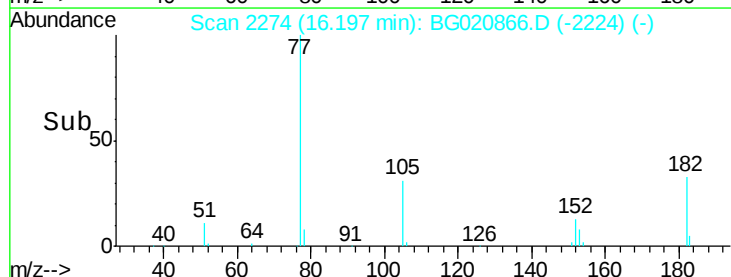
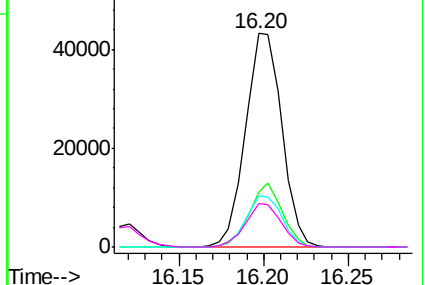


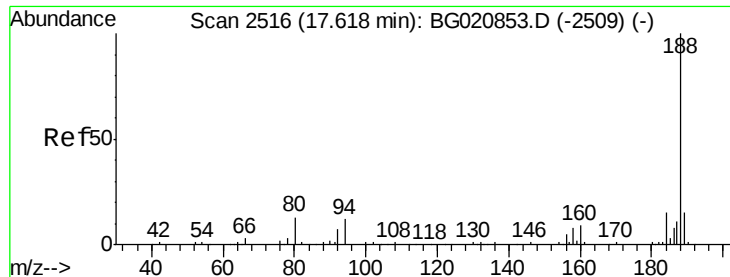
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

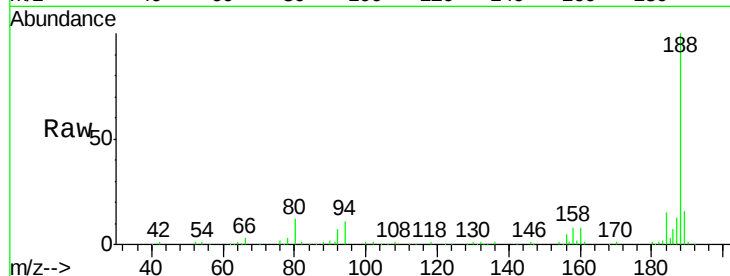




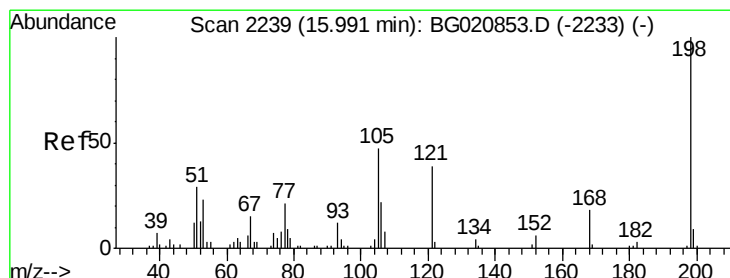
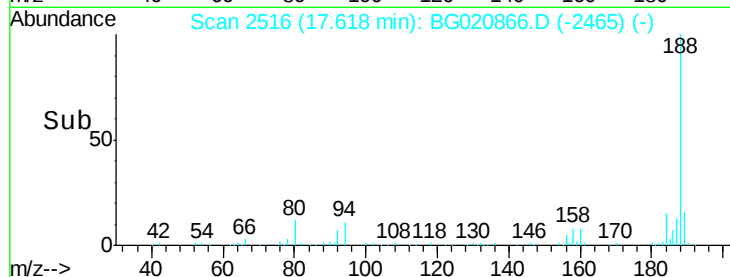
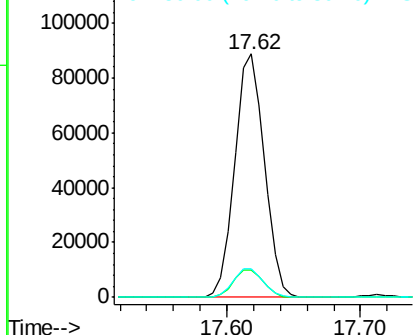
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.62 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:188 Resp: 136397
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.0
80 12.0 10.2 15.4

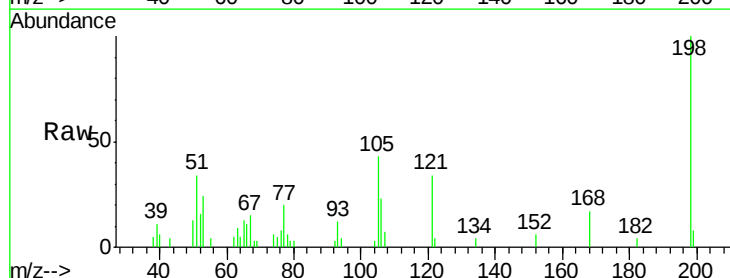


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

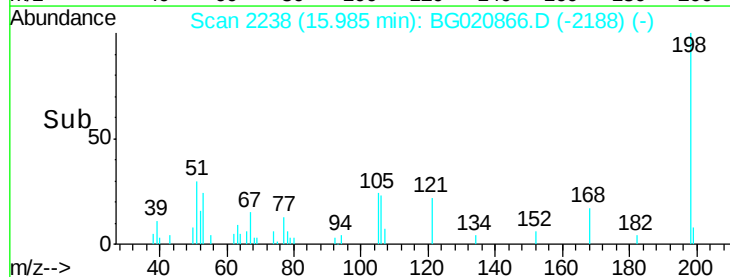
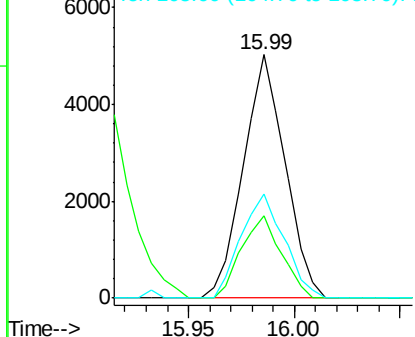


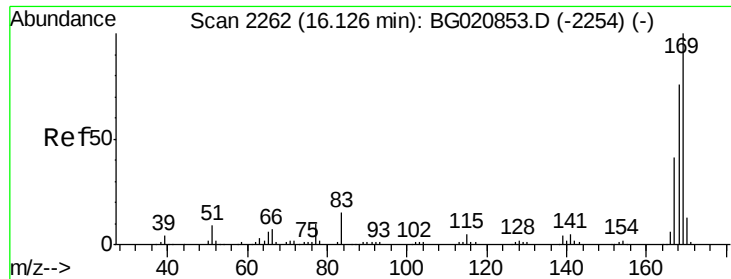
#64
4,6-Dinitro-2-methylphenol
Concen: 14.32 ng
RT: 15.99 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:198 Resp: 6898
Ion Ratio Lower Upper
198 100
51 33.8 10.6 50.6
105 42.7 27.0 67.0



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

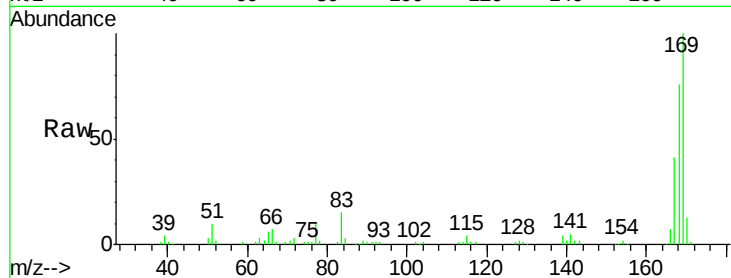




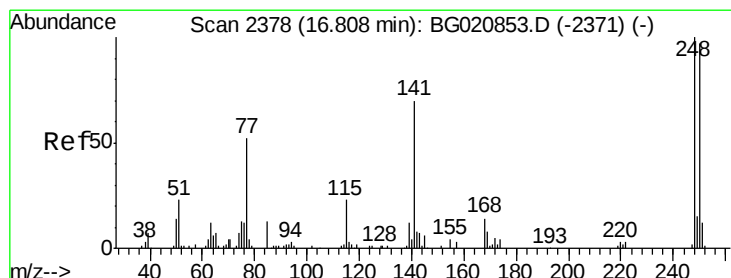
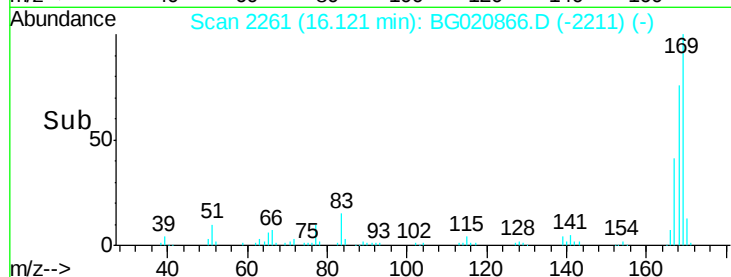
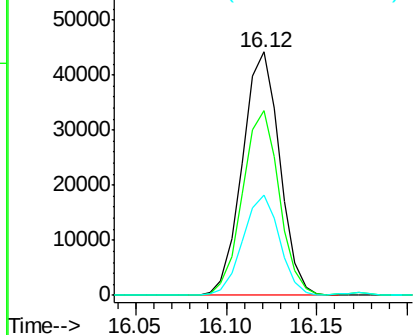
#65
 n-Nitrosodiphenylamine
 Concen: 14.40 ng
 RT: 16.12 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:169 Resp: 63459
 Ion Ratio Lower Upper
 169 100
 168 75.7 60.7 91.1
 167 41.2 32.8 49.2

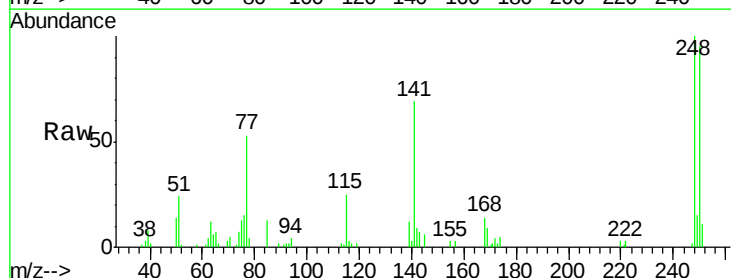


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

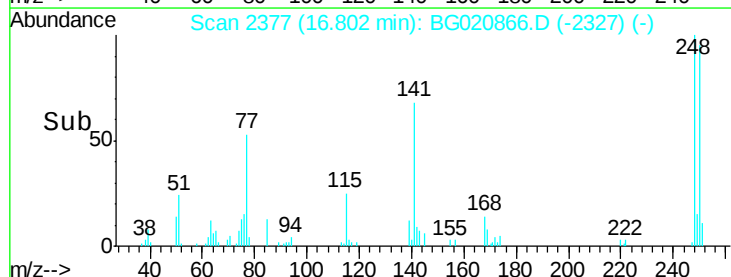
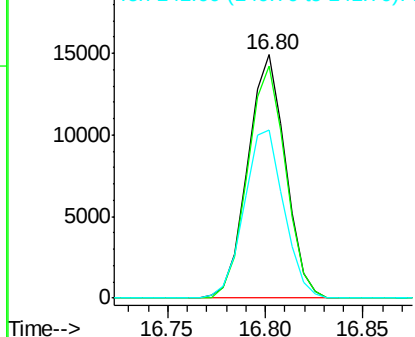


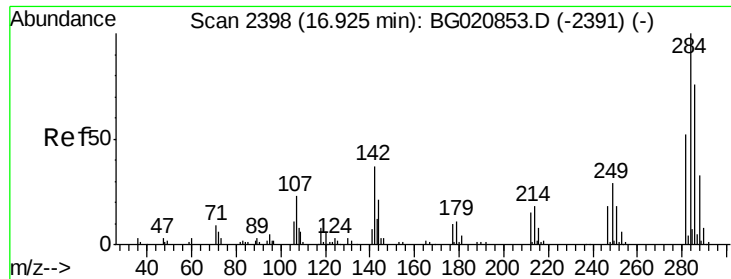
#66
 4-Bromophenyl-phenylether
 Concen: 13.84 ng
 RT: 16.80 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:248 Resp: 19941
 Ion Ratio Lower Upper
 248 100
 250 95.2 77.4 116.2
 141 69.1 55.7 83.5



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

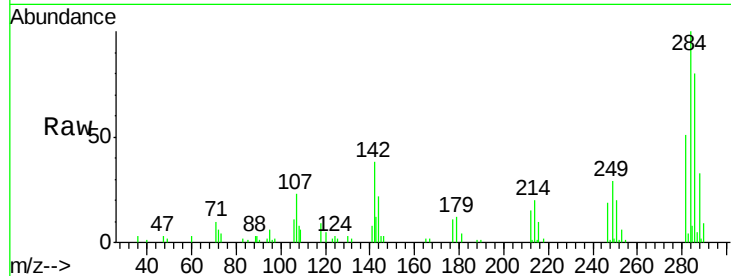




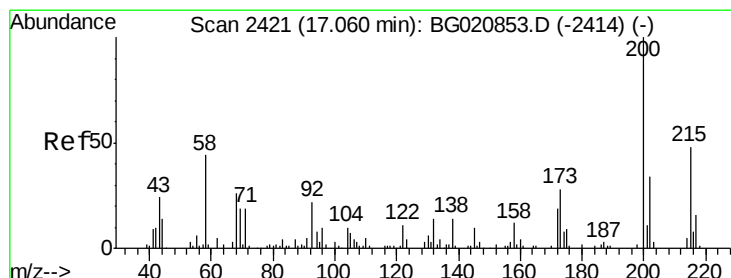
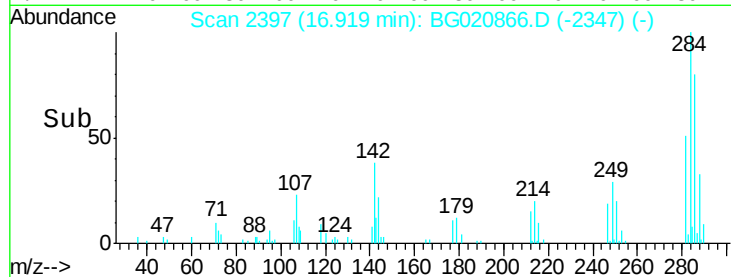
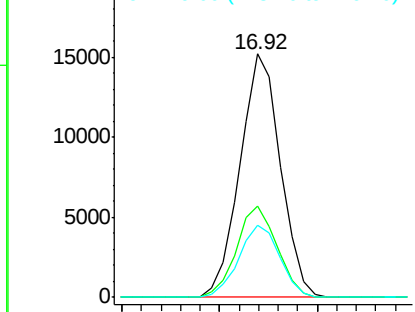
#67
Hexachlorobenzene
Concen: 14.20 ng
RT: 16.92 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:284 Resp: 21765
Ion Ratio Lower Upper
284 100
142 37.7 29.9 44.9
249 29.5 23.3 34.9

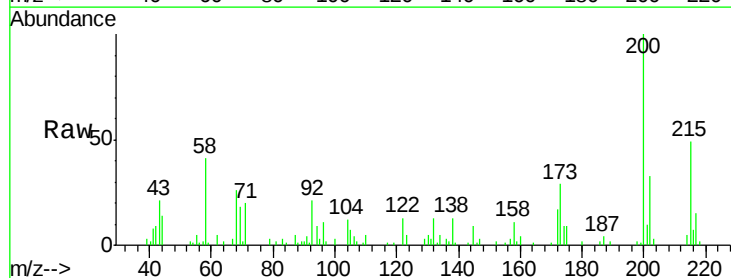


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

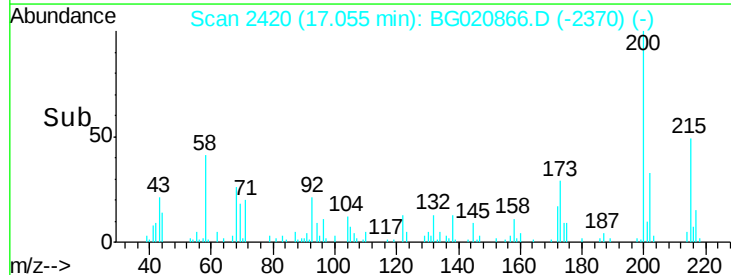
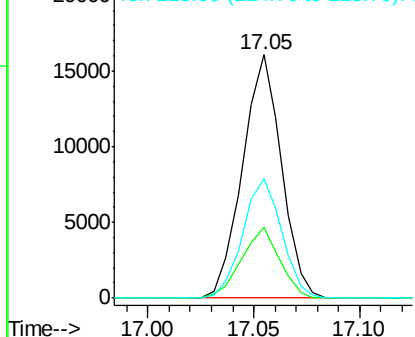


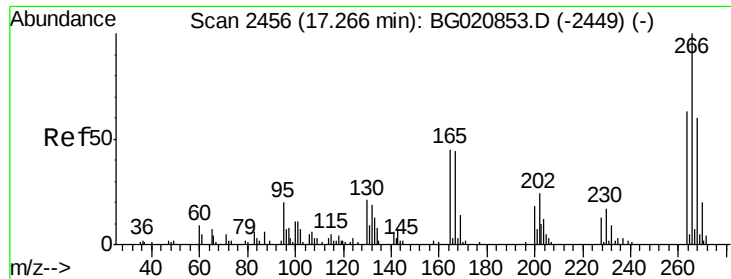
#68
Atrazine
Concen: 15.33 ng
RT: 17.05 min Scan# 2420
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:200 Resp: 20502
Ion Ratio Lower Upper
200 100
173 29.1 8.4 48.4
215 48.8 28.2 68.2



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





#69

Pentachlorophenol

Concen: 11.79 ng

RT: 17.26 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

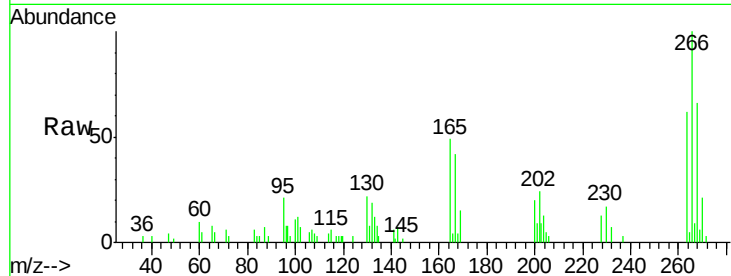
Tgt Ion:266 Resp: 10357

Ion Ratio Lower Upper

266 100

268 65.9 47.8 71.6

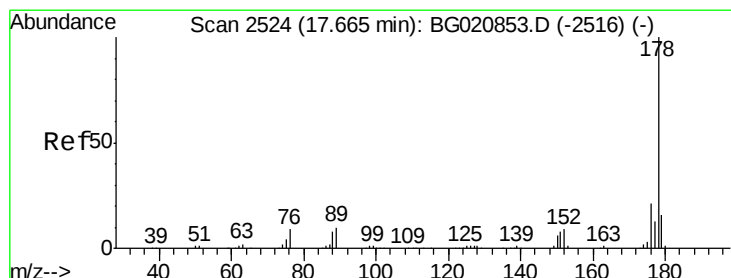
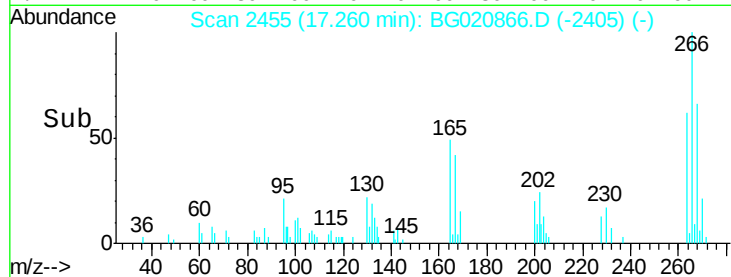
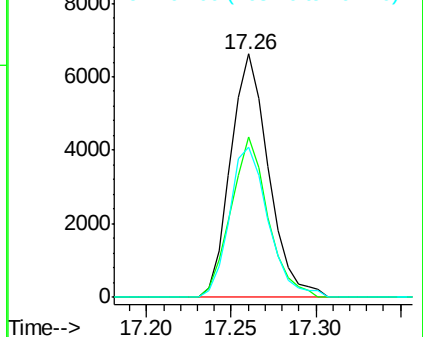
264 61.7 50.2 75.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 14.59 ng

RT: 17.66 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

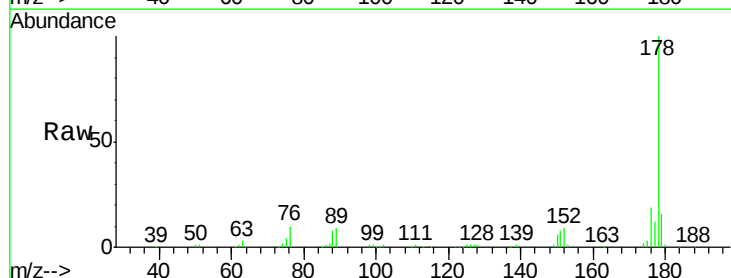
Tgt Ion:178 Resp: 113297

Ion Ratio Lower Upper

178 100

176 19.3 16.8 25.2

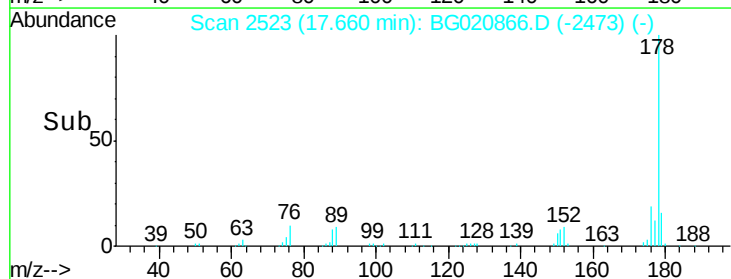
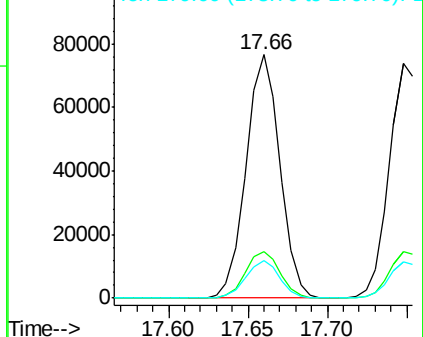
179 15.5 12.6 19.0

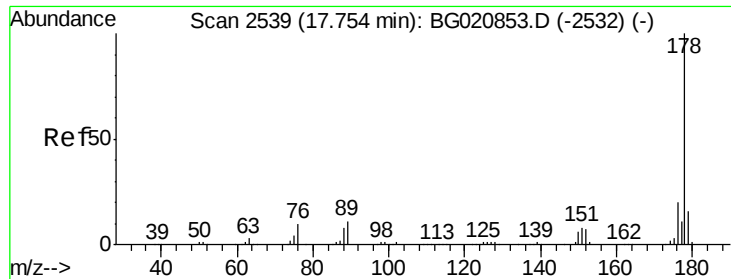


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

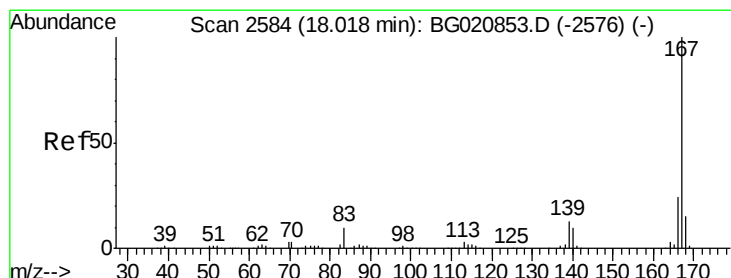
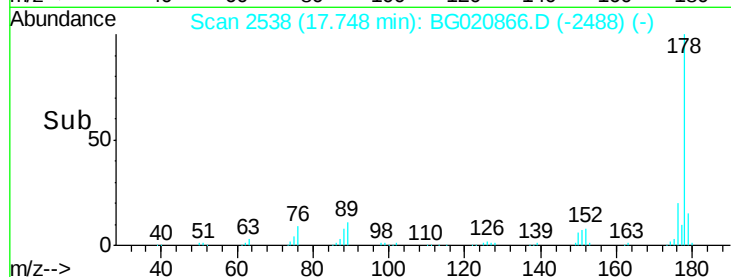
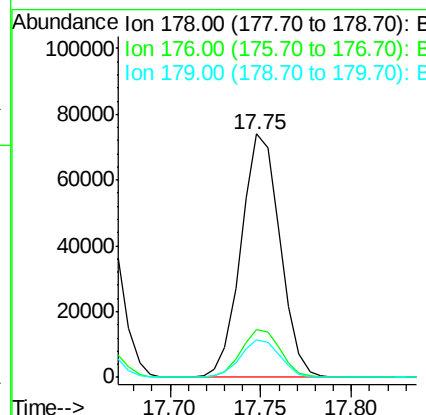
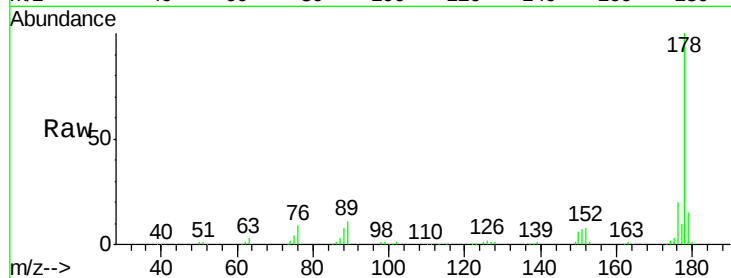




#71
 Anthracene
 Concen: 14.11 ng
 RT: 17.75 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

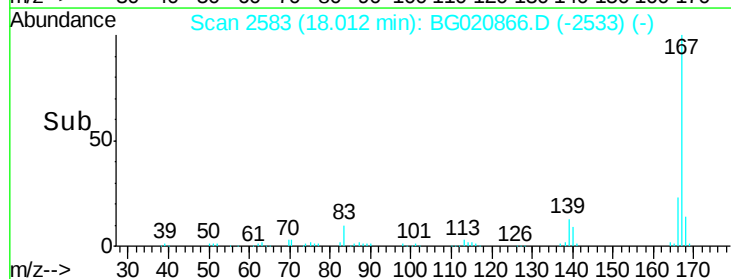
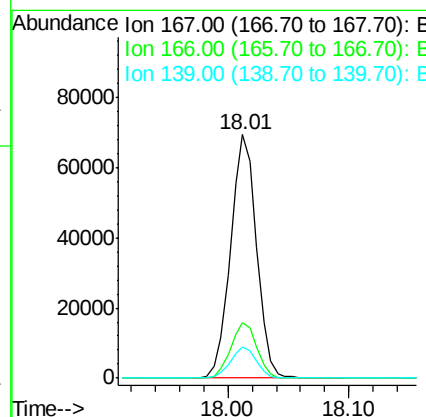
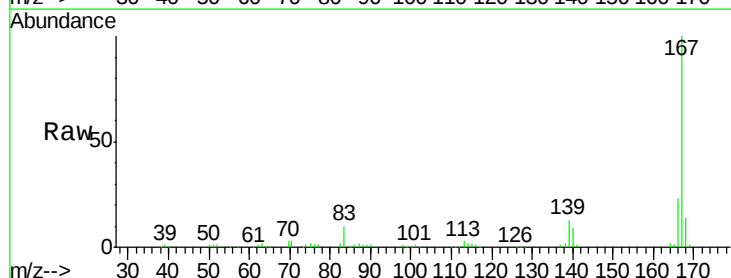
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

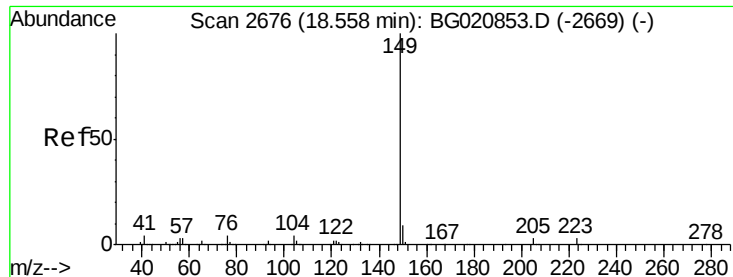
Tgt Ion:178 Resp: 111182
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.2 24.4
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 14.59 ng
 RT: 18.01 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:167 Resp: 103194
 Ion Ratio Lower Upper
 167 100
 166 22.9 19.3 28.9
 139 13.0 10.2 15.4





#73

Di-n-butylphthalate

Concen: 13.83 ng

RT: 18.55 min Scan# 2675

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

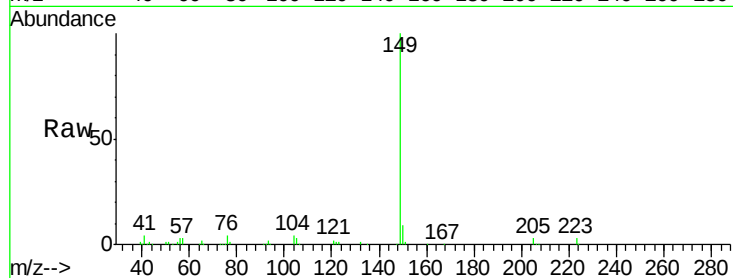
Tgt Ion:149 Resp: 125428

Ion Ratio Lower Upper

149 100

150 9.4 7.6 11.4

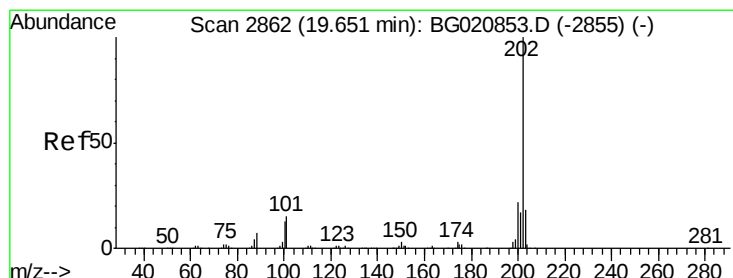
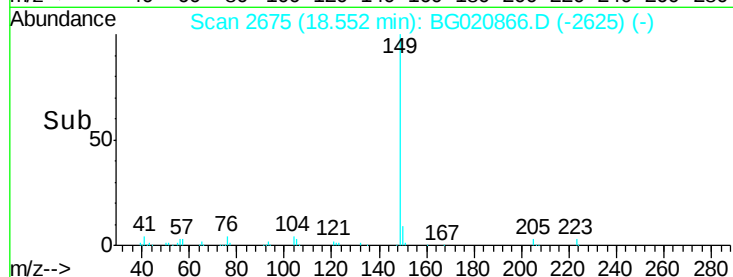
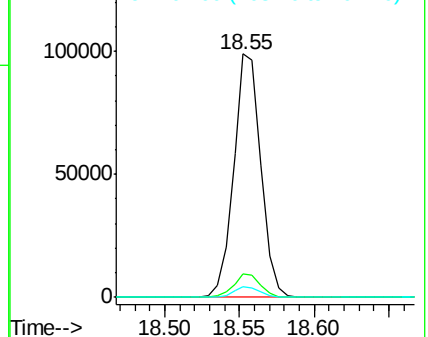
104 4.2 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 14.17 ng

RT: 19.65 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

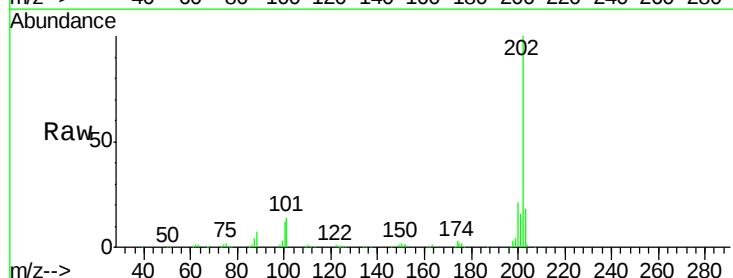
Tgt Ion:202 Resp: 118869

Ion Ratio Lower Upper

202 100

101 13.6 0.0 35.3

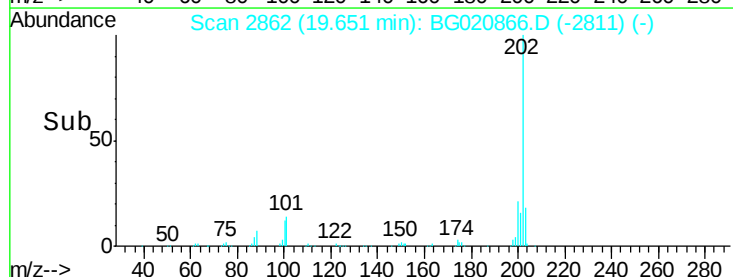
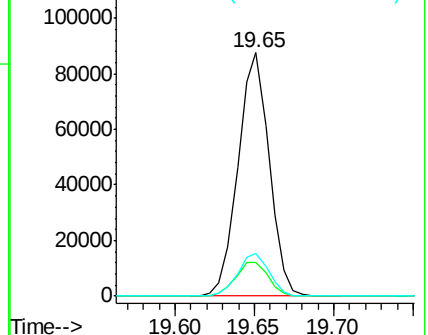
203 17.7 0.0 37.8

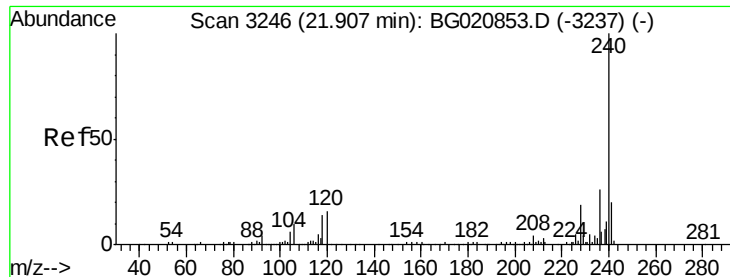


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

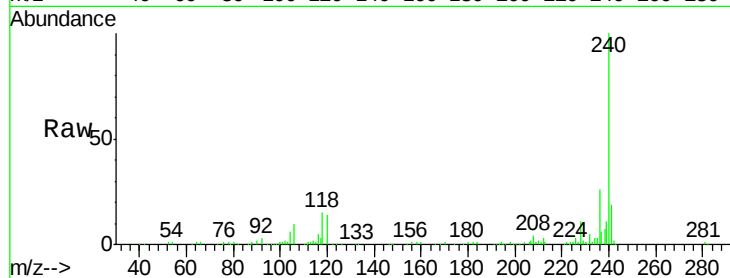
Tgt Ion:240 Resp: 128388

Ion Ratio Lower Upper

240 100

120 14.4 13.0 19.4

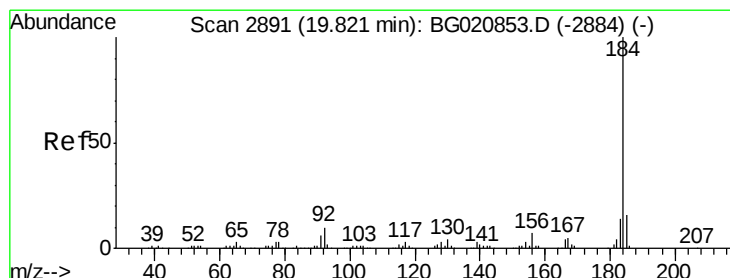
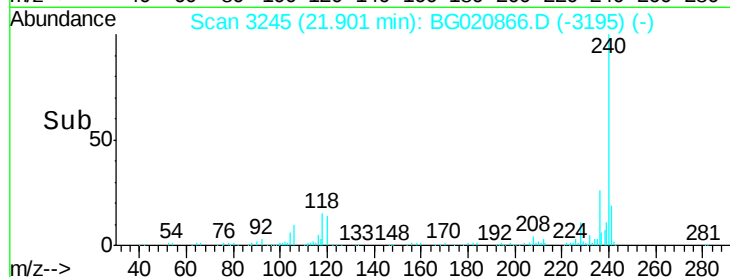
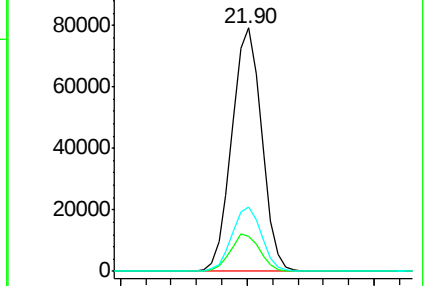
236 26.3 21.0 31.4



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



#76

Benzidine

Concen: 3.89 ng

RT: 19.82 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

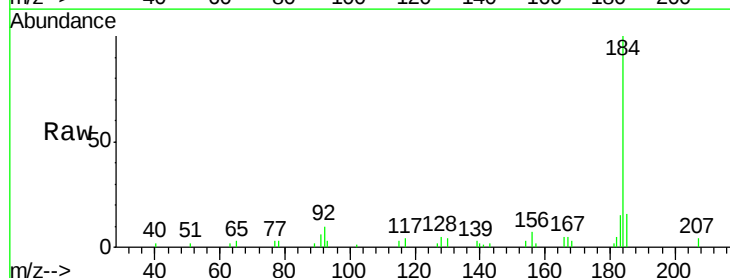
Tgt Ion:184 Resp: 16170

Ion Ratio Lower Upper

184 100

185 15.6 12.6 19.0

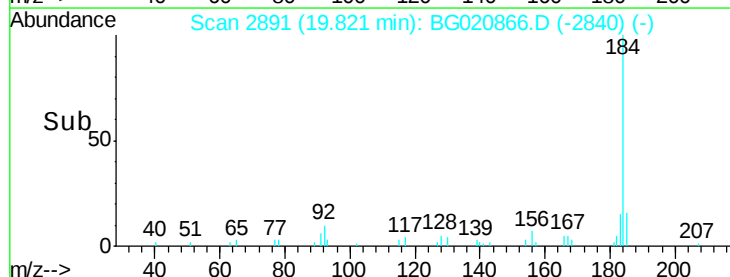
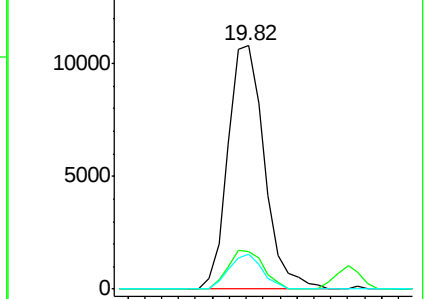
183 14.5 11.0 16.4

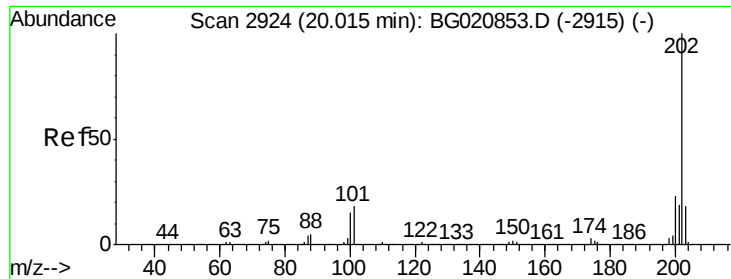


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

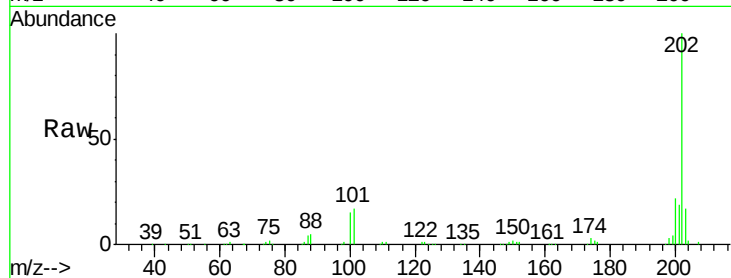




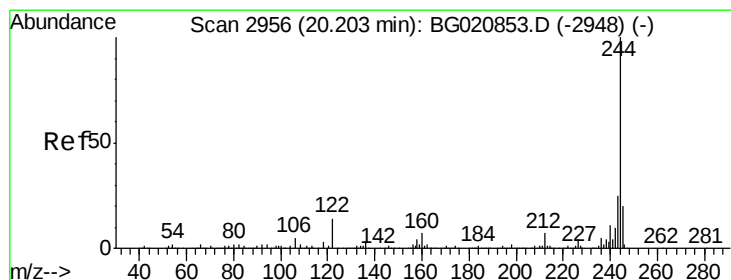
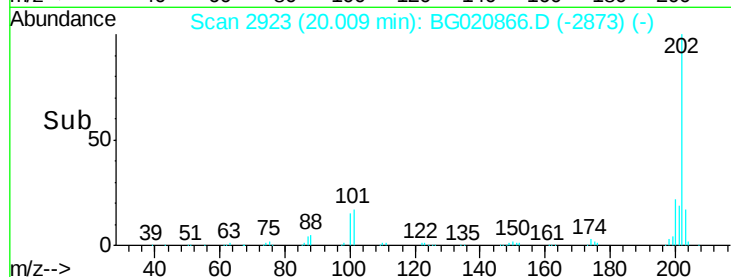
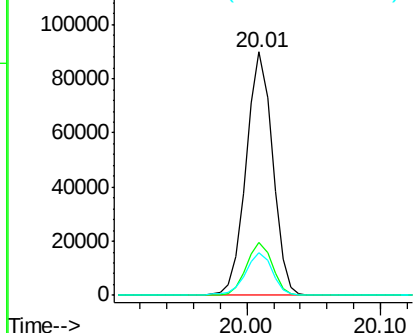
#77
 Pyrene
 Concen: 14.48 ng
 RT: 20.01 min Scan# 2923
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.5	27.7
203	17.3	14.3	21.5

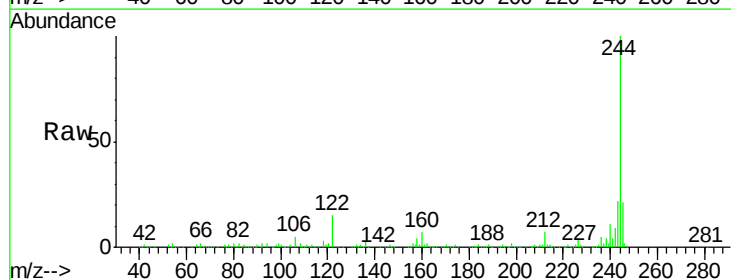


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

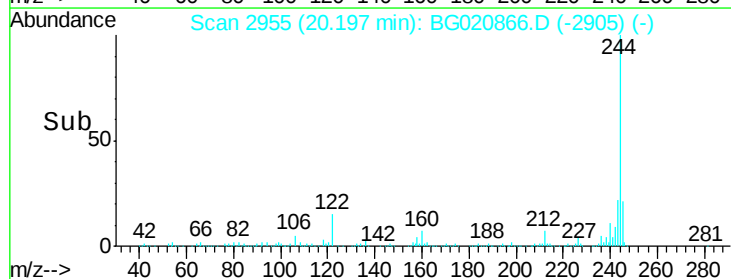
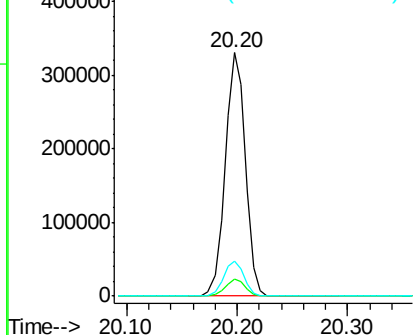


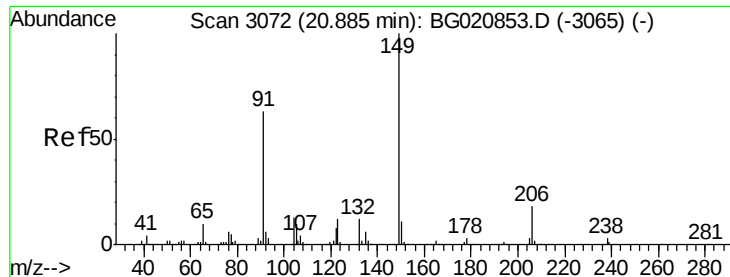
#78
 Terphenyl-d14
 Concen: 76.34 ng
 RT: 20.20 min Scan# 2955
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	14.6	11.4	17.2



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

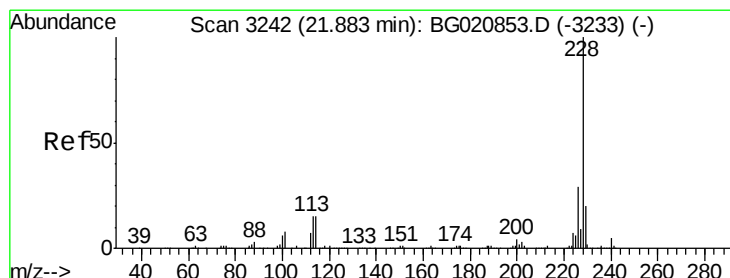
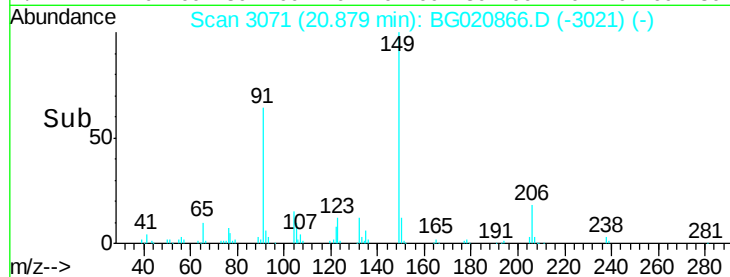
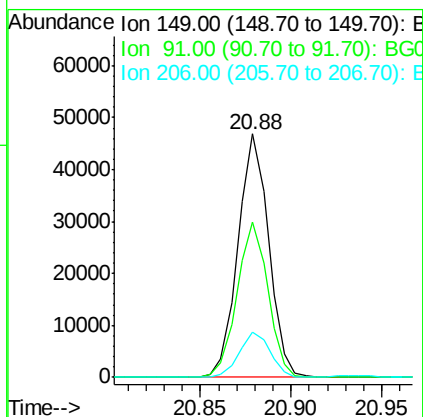
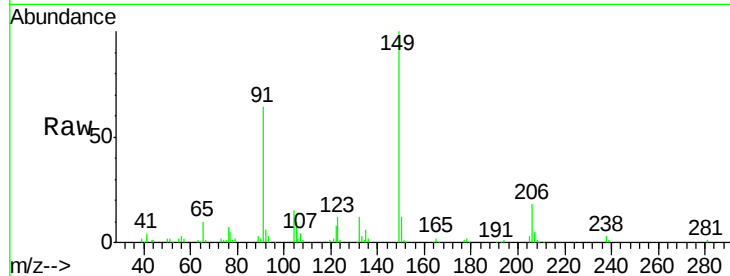




#79
Butylbenzylphthalate
Concen: 13.62 ng
RT: 20.88 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

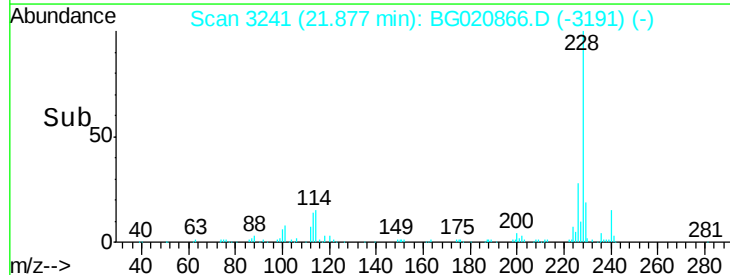
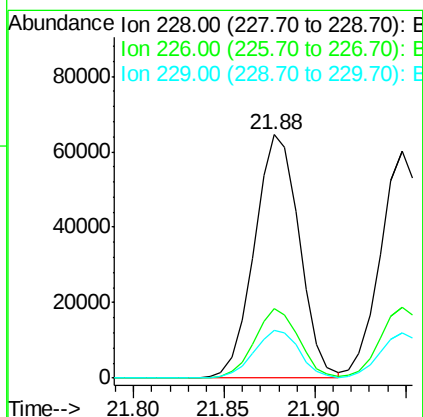
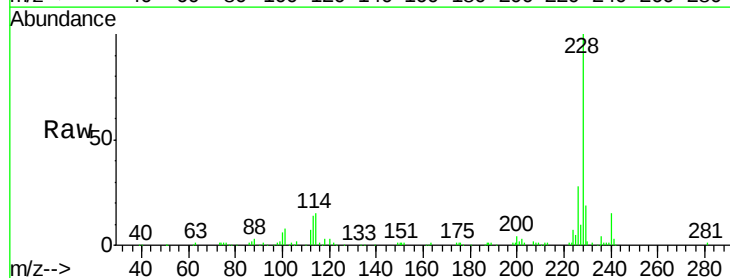
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

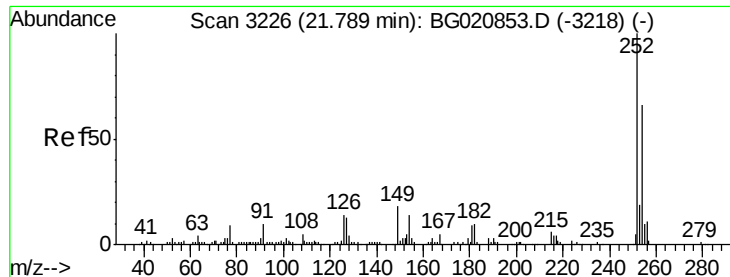
Tgt Ion:149 Resp: 55207
Ion Ratio Lower Upper
149 100
91 63.7 50.6 76.0
206 18.4 14.6 22.0



#80
Benzo(a)anthracene
Concen: 14.49 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG020866.D
Acq: 11 Feb 2016 21:25

Tgt Ion:228 Resp: 111039
Ion Ratio Lower Upper
228 100
226 28.3 23.1 34.7
229 19.4 16.2 24.2

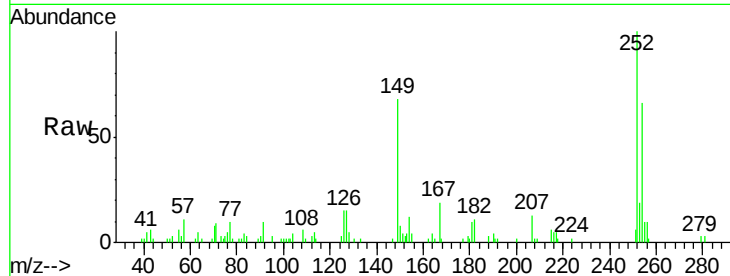




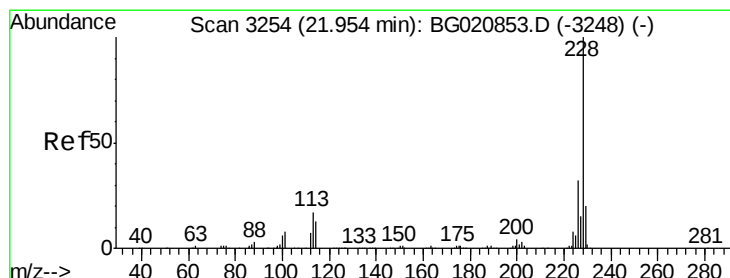
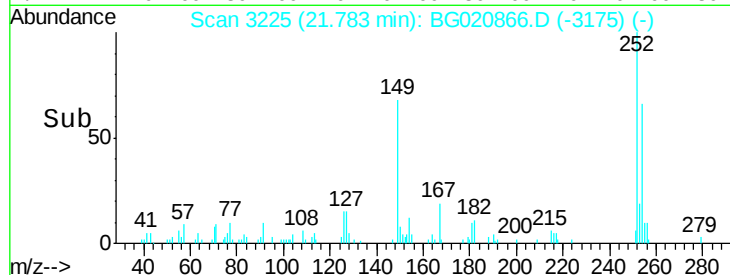
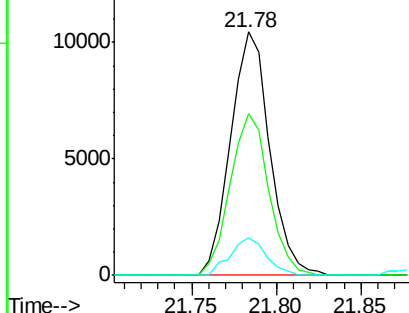
#81
 3,3'-Dichlorobenzidine
 Concen: 5.90 ng
 RT: 21.78 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:252 Resp: 16791
 Ion Ratio Lower Upper
 252 100
 254 66.2 52.8 79.2
 126 15.3 11.1 16.7

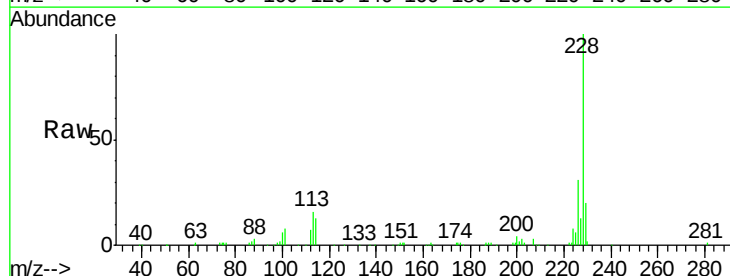


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

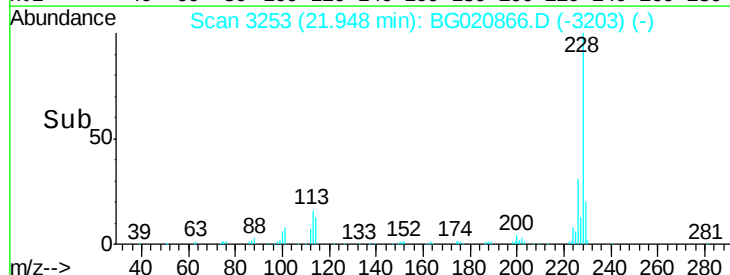
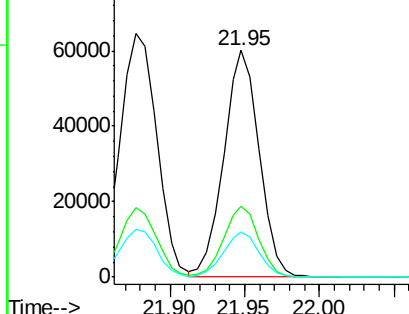


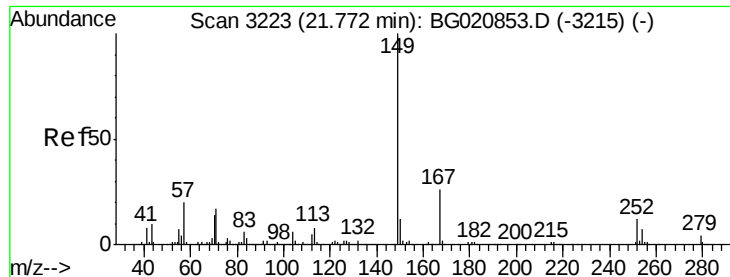
#82
 Chrysene
 Concen: 13.84 ng
 RT: 21.95 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:228 Resp: 99752
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.3 37.9
 229 19.8 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

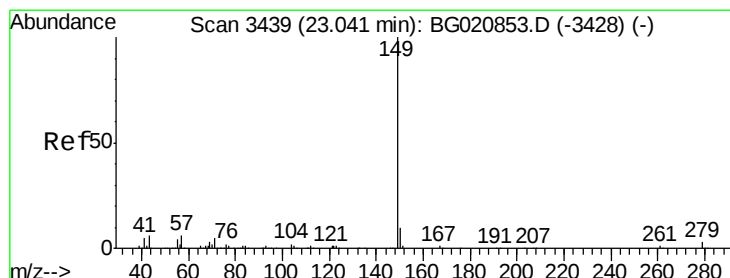
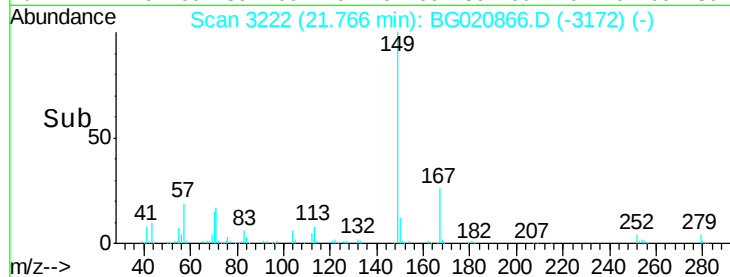
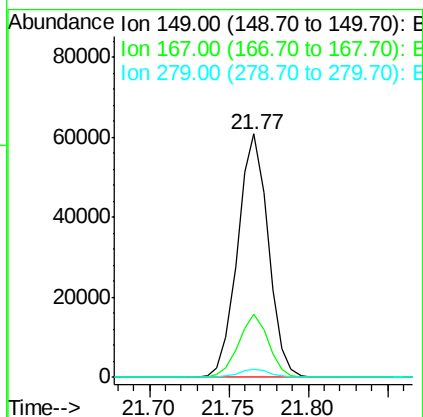
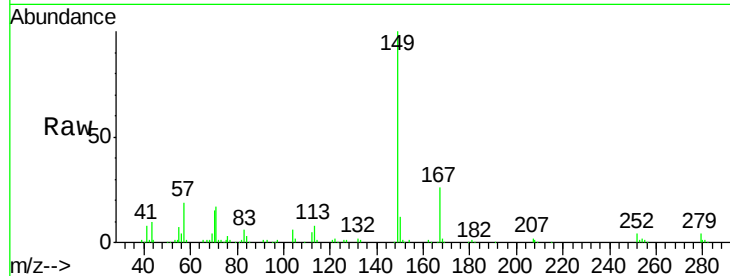




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.51 ng
 RT: 21.77 min Scan# 3222
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

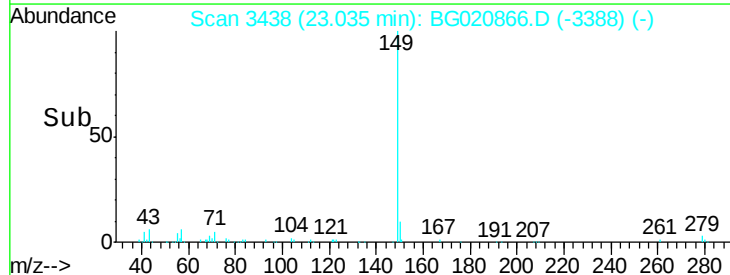
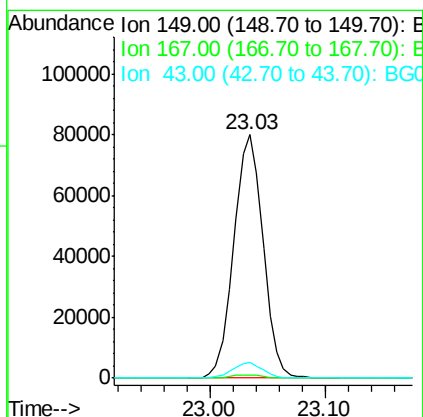
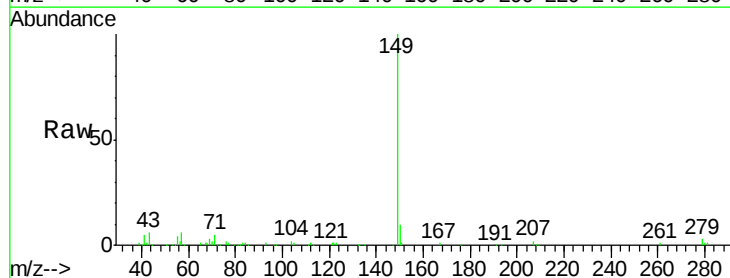
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

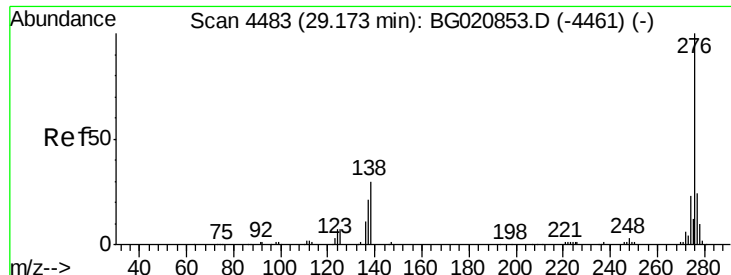
Tgt Ion:149 Resp: 81236
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.9 31.3
 279 3.5 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 14.20 ng
 RT: 23.03 min Scan# 3438
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion:149 Resp: 140098
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 6.5 5.1 7.7

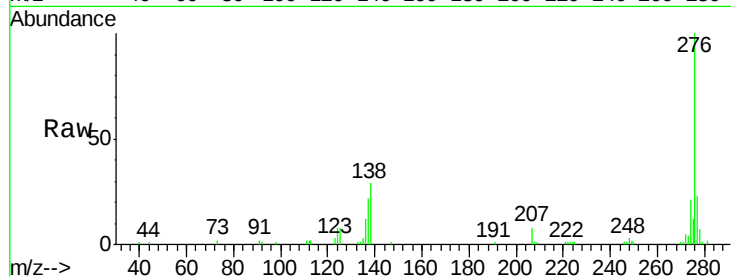




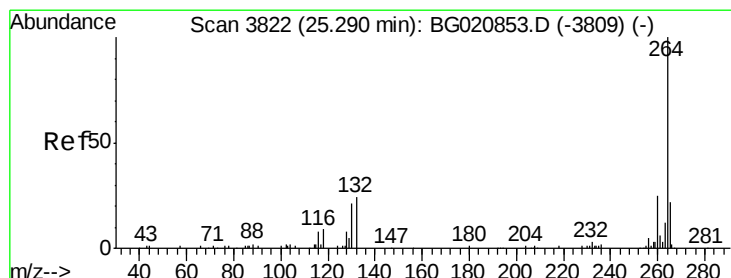
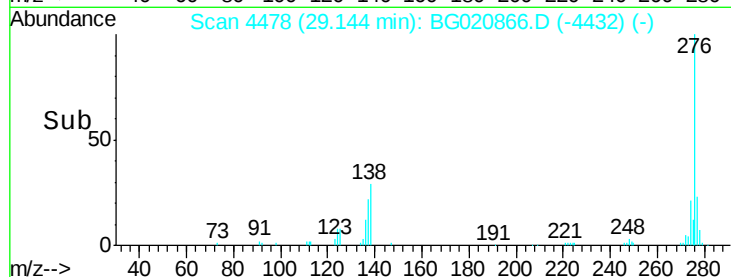
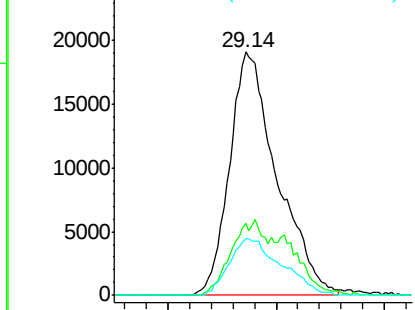
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.11 ng
 RT: 29.14 min Scan# 4478
 Delta R.T. -0.03 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	20.1	30.1#
277	25.5	20.5	30.7

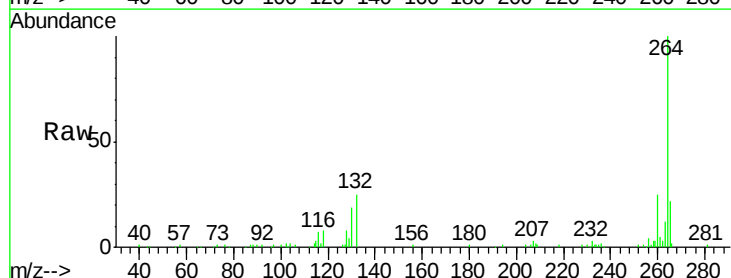


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

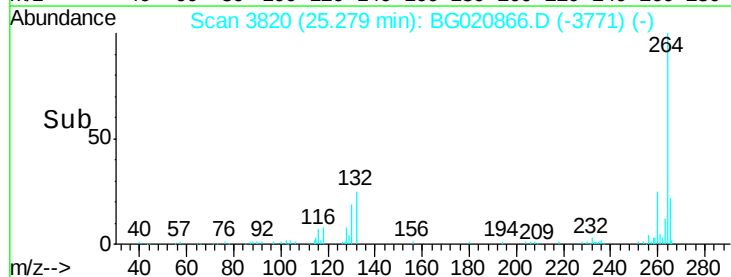
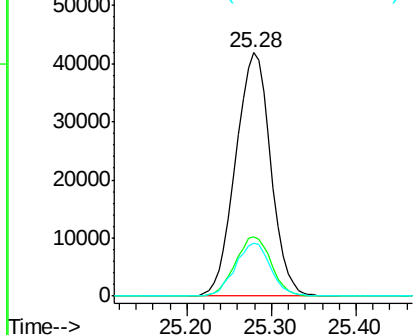


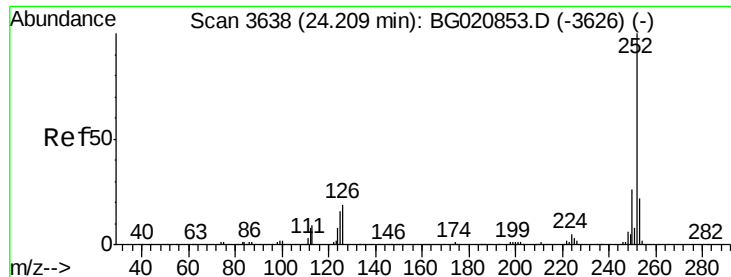
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.28 min Scan# 3820
 Delta R.T. -0.01 min
 Lab File: BG020866.D
 Acq: 11 Feb 2016 21:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	21.8	18.0	27.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.29 ng

RT: 24.20 min Scan# 3636

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

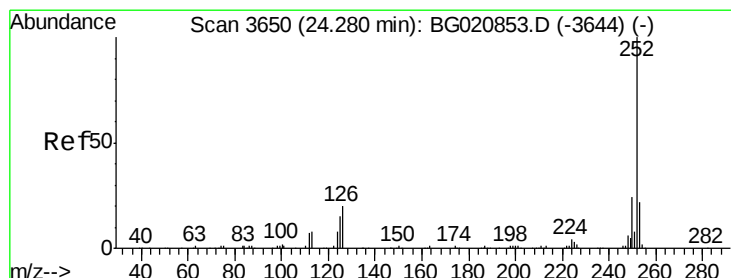
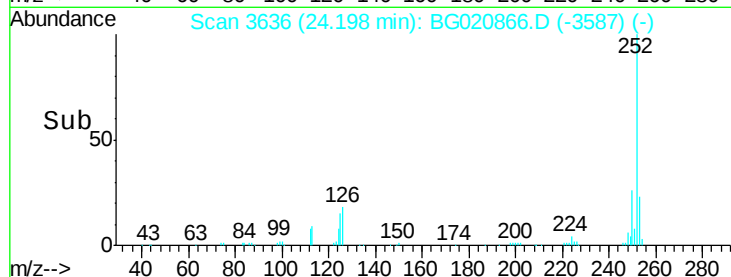
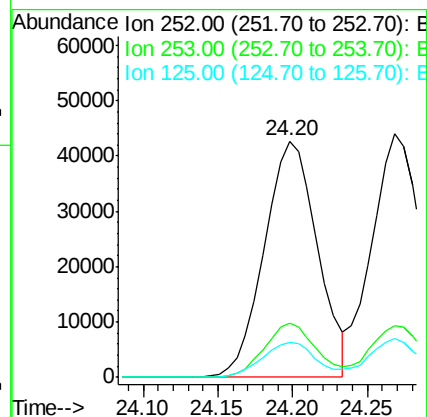
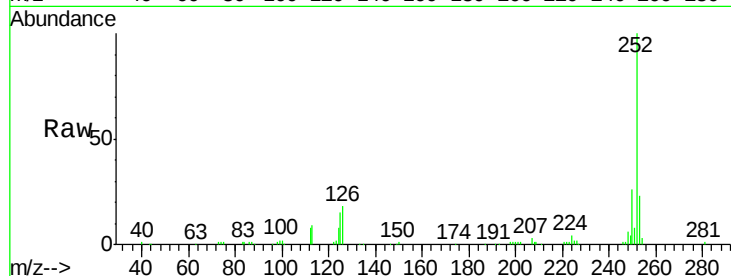
Tgt Ion:252 Resp: 105633

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 15.0 12.5 18.7



#88

Benzo(k)fluoranthene

Concen: 14.22 ng

RT: 24.27 min Scan# 3648

Delta R.T. -0.01 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

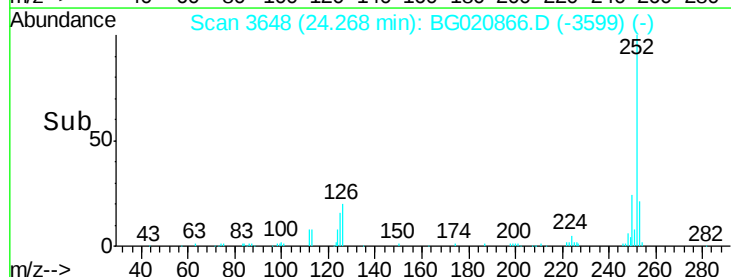
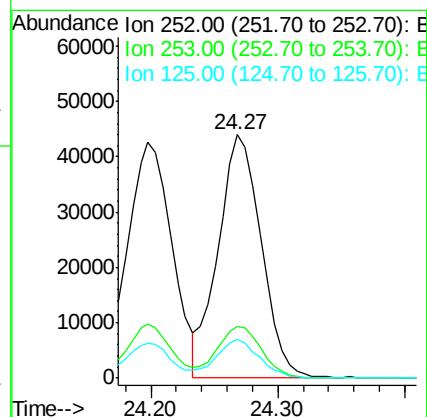
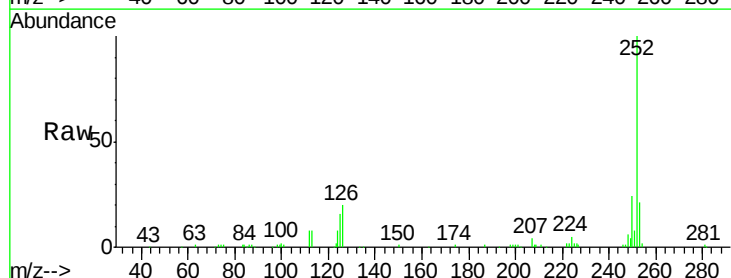
Tgt Ion:252 Resp: 103025

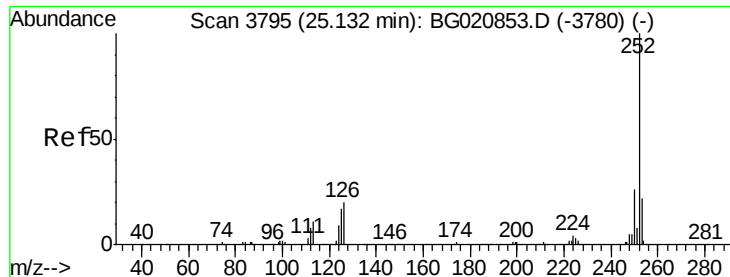
Ion Ratio Lower Upper

252 100

253 21.2 17.7 26.5

125 16.0 12.2 18.4





#89

Benzo(a)pyrene

Concen: 14.34 ng

RT: 25.11 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

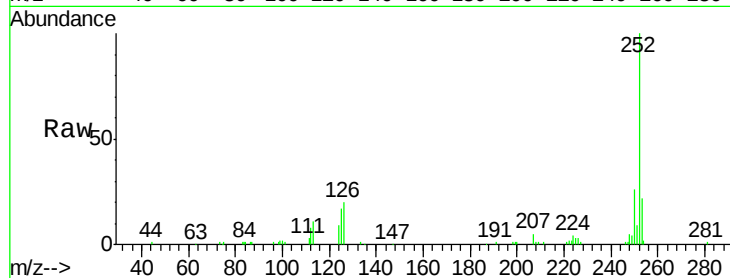
Tgt Ion:252 Resp: 100978

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

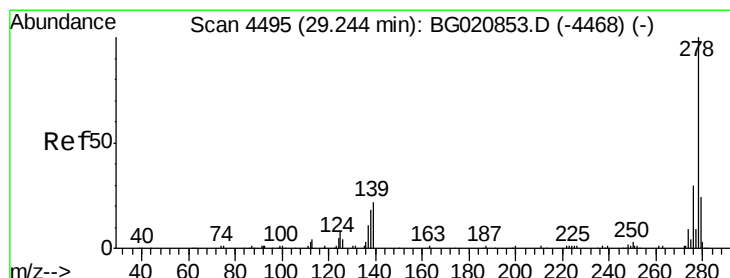
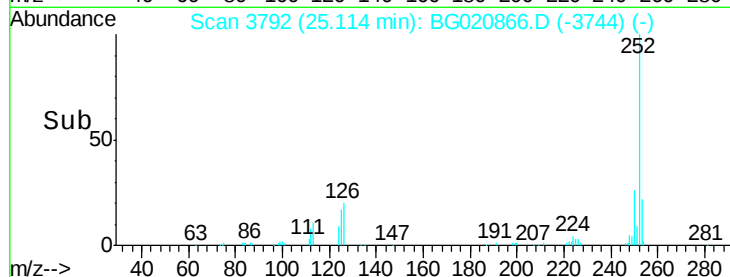
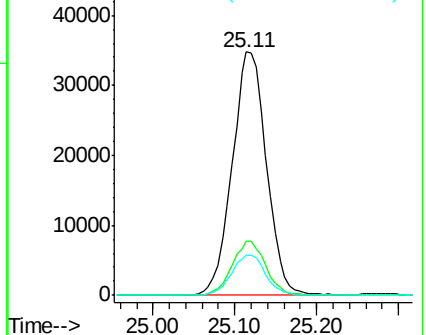
125 16.7 13.6 20.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 13.96 ng

RT: 29.22 min Scan# 4491

Delta R.T. -0.02 min

Lab File: BG020866.D

Acq: 11 Feb 2016 21:25

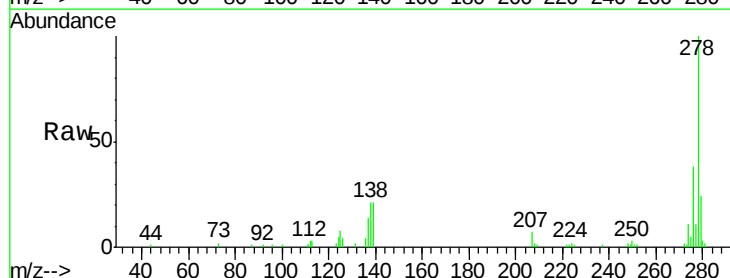
Tgt Ion:278 Resp: 95601

Ion Ratio Lower Upper

278 100

139 20.9 17.3 25.9

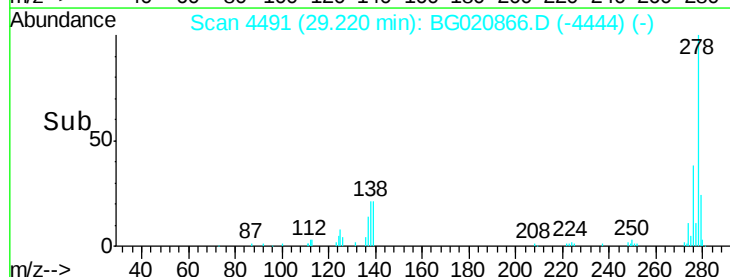
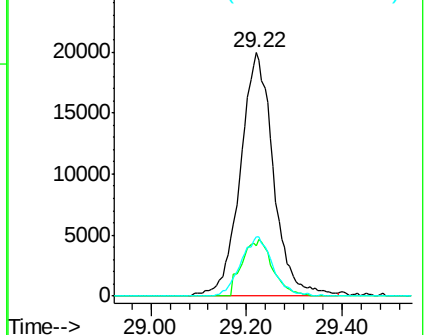
279 24.2 19.1 28.7

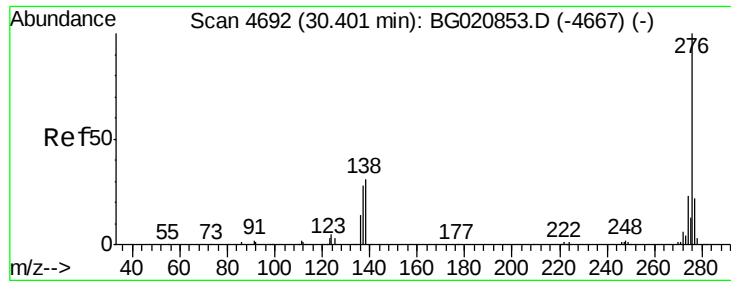


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 13.77 ng

RT: 30.36 min Scan# 4685

Delta R.T. -0.04 min

Lab File: BG020866.D

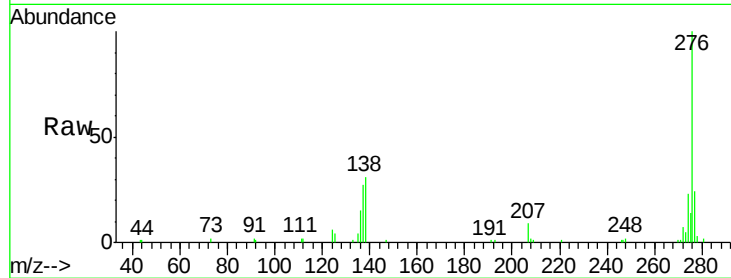
Acq: 11 Feb 2016 21:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02



Tgt Ion:	276	Resp:	93592
Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.6	26.4
138	31.3	25.2	37.8

