

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021516\
 Data File : BG020905.D
 Acq On : 15 Feb 2016 15:25
 Operator : SJ/UM
 Sample : G4825-04
 Misc : LOQ 20PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Quant Time: Feb 16 00:14:43 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	20632	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	101045	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	61807	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	132118	20.00	ng	0.00
75) Chrysene-d12	21.90	240	127907	20.00	ng	0.00
86) Perylene-d12	25.28	264	119741	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.80	112	194757	158.97	ng	0.00
7) Phenol-d6	7.41	99	274277	153.17	ng	0.00
23) Nitrobenzene-d5	9.44	82	147095	95.72	ng	0.00
41) 2,4,6-Tribromophenol	16.37	330	102741	169.04	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	410934	93.39	ng	0.00
78) Terphenyl-d14	20.20	244	553250	100.91	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.64	88	6392	14.35	ng	# 92
3) Pyridine	4.05	79	20176	15.31	ng	96
4) n-Nitrosodimethylamine	3.96	42	5736	16.64	ng	89
6) Aniline	7.58	93	40475	18.13	ng	99
8) 2-Chlorophenol	7.82	128	29119	19.03	ng	98
9) Benzaldehyde	7.40	77	20178	22.50	ng	98
10) Phenol	7.44	94	36147	19.07	ng	99
11) bis(2-Chloroethyl)ether	7.67	93	25887	17.10	ng	97
12) 1,3-Dichlorobenzene	8.15	146	27536	17.02	ng	97
13) 1,4-Dichlorobenzene	8.30	146	28390	17.30	ng	97
14) 1,2-Dichlorobenzene	8.62	146	28110	17.61	ng	99
15) Benzyl Alcohol	8.50	79	21327	18.89	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.79	45	25510	16.16	ng	99
17) 2-Methylphenol	8.70	107	25271	18.51	ng	95
18) Hexachloroethane	9.36	117	9819	17.41	ng	94
19) n-Nitroso-di-n-propylamine	9.06	70	18928	16.38	ng	# 97
20) 3+4-Methylphenols	9.03	107	34130	17.94	ng	96
22) Acetophenone	9.09	105	39616	16.27	ng	# 99
24) Nitrobenzene	9.48	77	27530	17.19	ng	97
25) Isophorone	10.00	82	54453	16.81	ng	100
26) 2-Nitrophenol	10.20	139	14338	17.01	ng	96
27) 2,4-Dimethylphenol	10.24	122	30463	18.86	ng	97
28) bis(2-Chloroethoxy)methane	10.48	93	36896	18.48	ng	99
29) 2,4-Dichlorophenol	10.73	162	28202	19.48	ng	97
30) 1,2,4-Trichlorobenzene	10.95	180	26900	18.44	ng	94
31) Naphthalene	11.14	128	93408	17.87	ng	99
32) Benzoic acid	10.32	122	14235	10.99	ng	# 84
33) 4-Chloroaniline	11.24	127	42314	18.82	ng	99
34) Hexachlorobutadiene	11.42	225	13487	18.14	ng	99
35) Caprolactam	12.00	113	10963	19.76	ng	95
36) 4-Chloro-3-methylphenol	12.34	107	31032	18.71	ng	96
37) 2-Methylnaphthalene	12.73	142	70621	19.26	ng	99
39) 1,2,4,5-Tetrachlorobenzene	13.09	216	28927	15.95	ng	98
40) Hexachlorocyclopentadiene	13.06	237	13020	16.32	ng	99

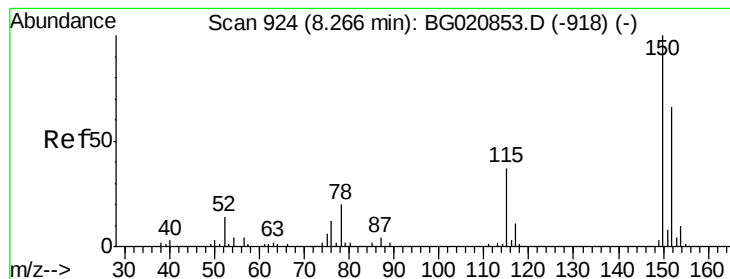
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG021516\
 Data File : BG020905.D
 Acq On : 15 Feb 2016 15:25
 Operator : SJ/UM
 Sample : G4825-04
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Quant Time: Feb 16 00:14:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS 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)
42) 2,4,6-Trichlorophenol	13.32	196	22242	18.26	ng	96
43) 2,4,5-Trichlorophenol	13.39	196	23802	18.59	ng	97
45) 1,1'-Biphenyl	13.72	154	87100	15.97	ng	100
46) 2-Chloronaphthalene	13.77	162	68298	17.50	ng	97
47) 2-Nitroaniline	13.96	65	16521	17.67	ng	95
48) Acenaphthylene	14.60	152	120342	17.73	ng	100
49) Dimethylphthalate	14.32	163	89714	18.56	ng	99
50) 2,6-Dinitrotoluene	14.45	165	19474	18.80	ng	98
51) Acenaphthene	14.94	154	71680	17.42	ng	99
52) 3-Nitroaniline	14.77	138	23722	19.71	ng	95
53) 2,4-Dinitrophenol	14.98	184	3829	16.22	ng	93
54) Dibenzofuran	15.27	168	111799	20.54	ng	98
55) 4-Nitrophenol	15.07	139	16887	18.58	ng	100
56) 2,4-Dinitrotoluene	15.23	165	26476	19.78	ng	# 99
57) Fluorene	15.92	166	93856	18.72	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.50	232	20653	21.17	ng	# 98
59) Diethylphthalate	15.67	149	94551	19.03	ng	99
60) 4-Chlorophenyl-phenylether	15.91	204	40981	18.41	ng	95
61) 4-Nitroaniline	15.93	138	24027	19.89	ng	96
62) Azobenzene	16.20	77	78730	20.15	ng	98
64) 4,6-Dinitro-2-methylphenol	15.98	198	7881	15.90	ng	94
65) n-Nitrosodiphenylamine	16.12	169	80678	18.90	ng	96
66) 4-Bromophenyl-phenylether	16.80	248	25171	18.04	ng	100
67) Hexachlorobenzene	16.92	284	27537	18.55	ng	99
68) Atrazine	17.05	200	26638	20.56	ng	99
69) Pentachlorophenol	17.26	266	11660	13.70	ng	98
70) Phenanthrene	17.66	178	144926	19.27	ng	98
71) Anthracene	17.75	178	143597	18.81	ng	98
72) Carbazole	18.02	167	133082	19.42	ng	99
73) Di-n-butylphthalate	18.55	149	163237	18.58	ng	99
74) Fluoranthene	19.65	202	156404	19.25	ng	98
76) Benzidine	19.82	184	68914	16.66	ng	99
77) Pyrene	20.01	202	160110	18.98	ng	99
79) Butylbenzylphthalate	20.88	149	70721	17.51	ng	99
80) Benzo(a)anthracene	21.88	228	143818	18.83	ng	98
81) 3,3'-Dichlorobenzidine	21.78	252	38902	13.73	ng	99
82) Chrysene	21.95	228	129458	18.03	ng	98
83) Bis(2-ethylhexyl)phthalate	21.76	149	101679	16.98	ng	99
84) Di-n-octyl phthalate	23.03	149	174999	17.80	ng	99
85) Indeno(1,2,3-cd)pyrene	29.14	276	143118	17.33	ng	# 87
87) Benzo(b)fluoranthene	24.20	252	137197	18.72	ng	99
88) Benzo(k)fluoranthene	24.27	252	136992	19.08	ng	99
89) Benzo(a)pyrene	25.12	252	132965	19.04	ng	98
90) Dibenzo(a,h)anthracene	29.22	278	119794	17.64	ng	97
91) Benzo(g,h,i)perylene	30.37	276	112074	16.63	ng	94

(#) = 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: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

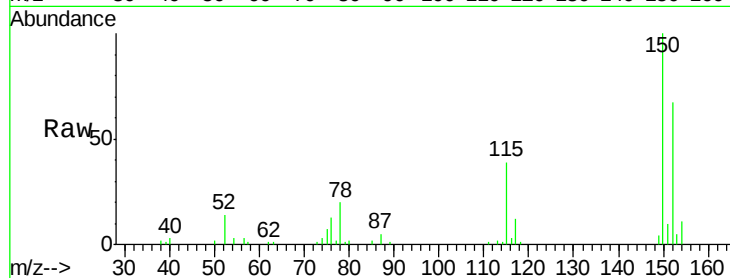
Tgt Ion:152 Resp: 20632

Ion Ratio Lower Upper

152 100

150 150.1 122.0 183.0

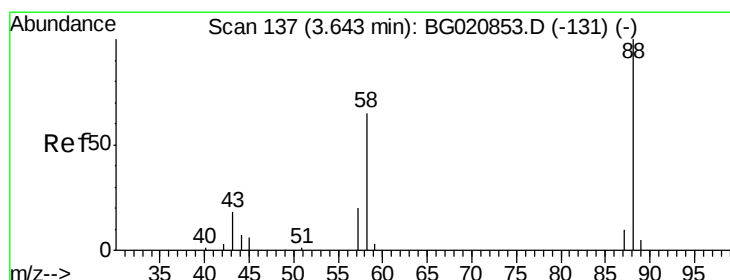
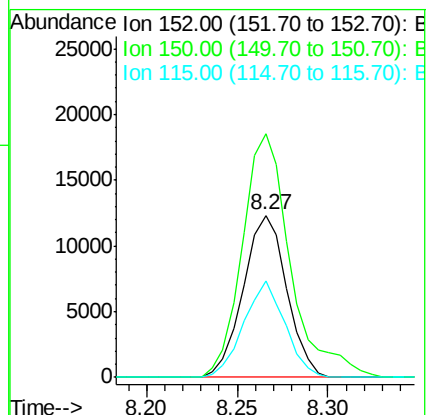
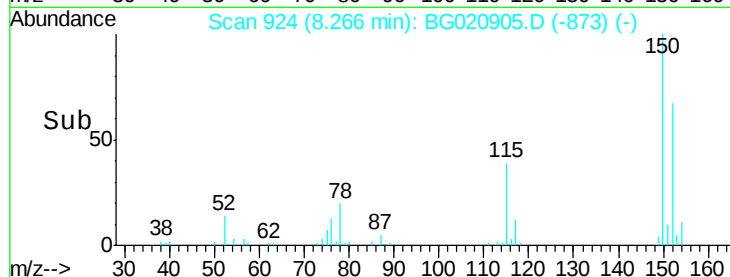
115 59.2 45.2 67.8



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



#2

1,4-Dioxane

Concen: 14.35 ng

RT: 3.64 min Scan# 136

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

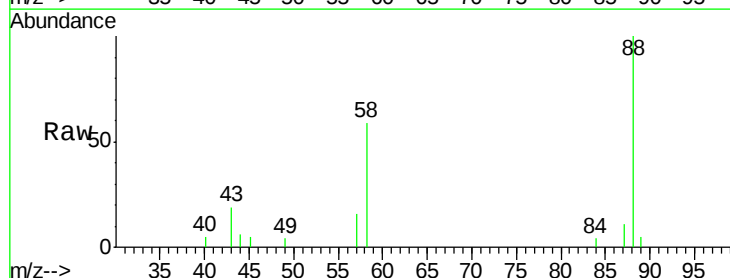
Tgt Ion: 88 Resp: 6392

Ion Ratio Lower Upper

88 100

58 64.9 50.3 75.5

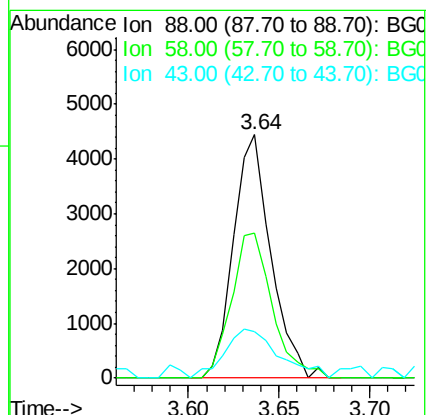
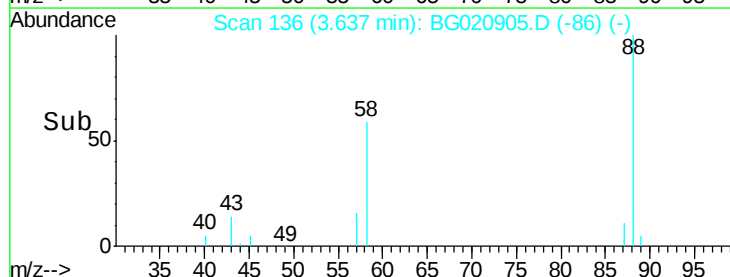
43 29.1 14.5 21.7#

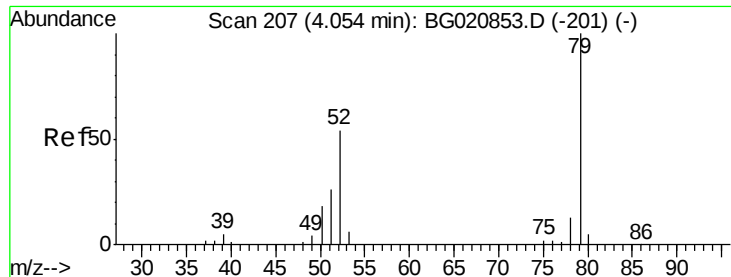


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 15.31 ng

RT: 4.05 min Scan# 206

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

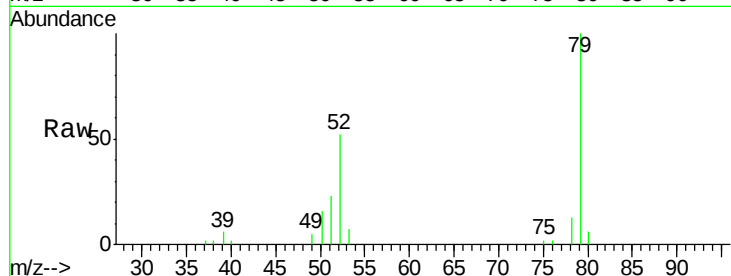
Tgt Ion: 79 Resp: 20176

Ion Ratio Lower Upper

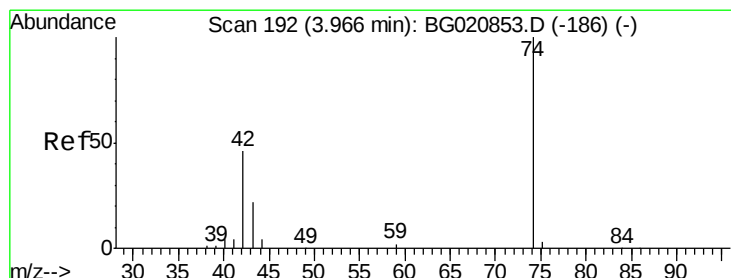
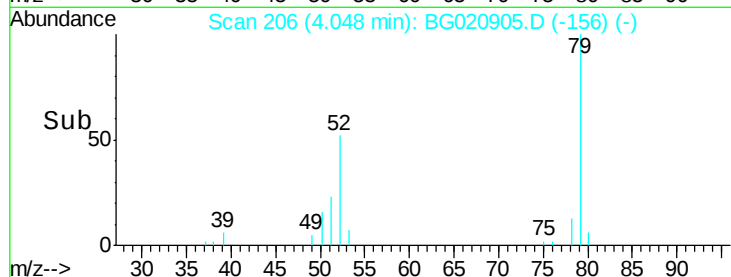
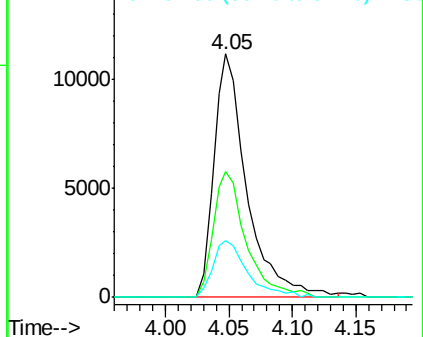
79 100

52 51.7 43.1 64.7

51 23.5 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: 16.64 ng

RT: 3.96 min Scan# 191

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

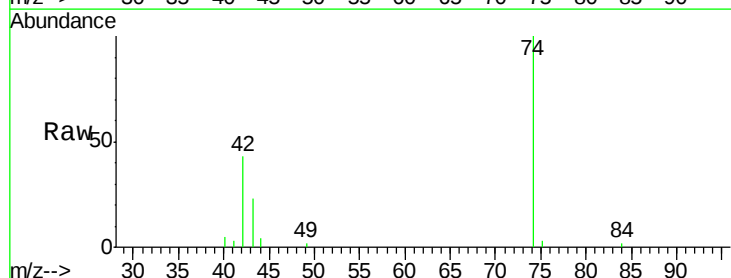
Tgt Ion: 42 Resp: 5736

Ion Ratio Lower Upper

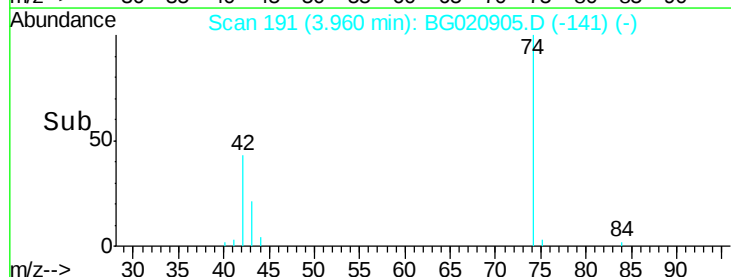
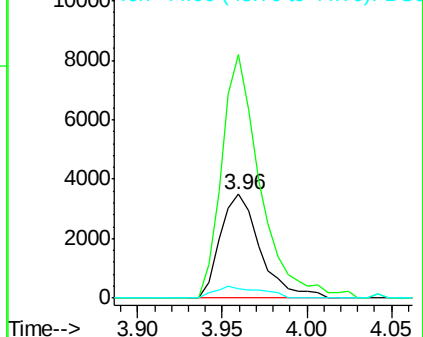
42 100

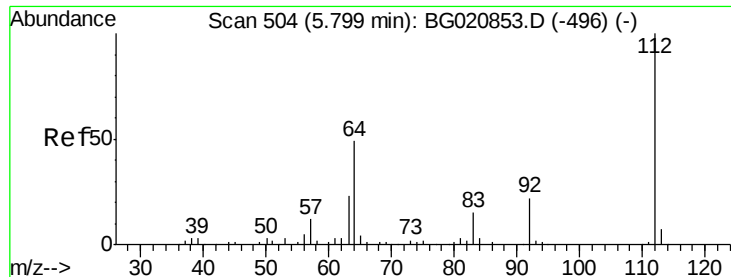
74 234.8 173.8 260.6

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: 158.97 ng

RT: 5.80 min Scan# 504

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

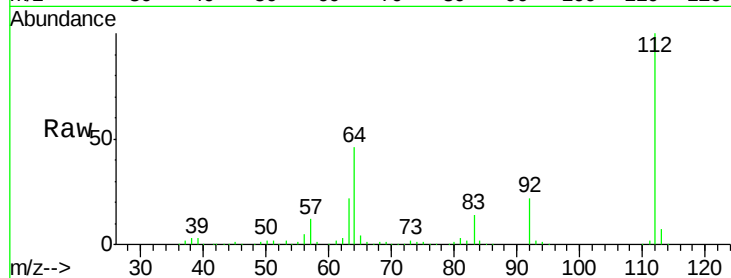
Instrument :

BNA_G

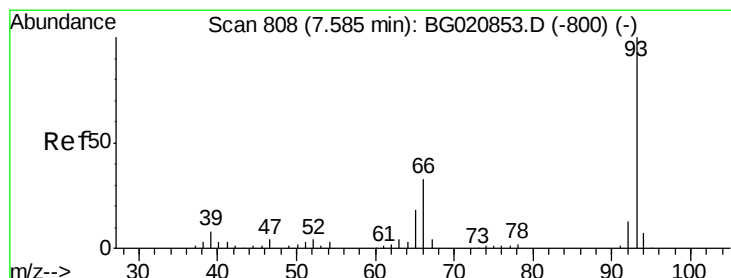
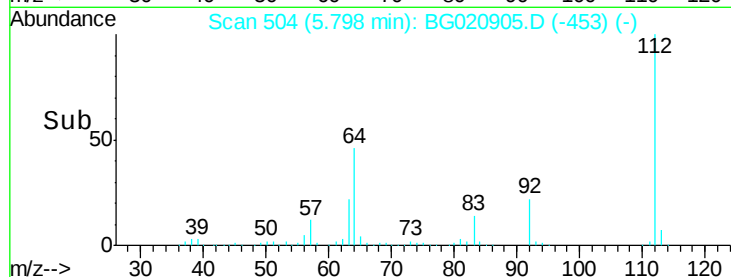
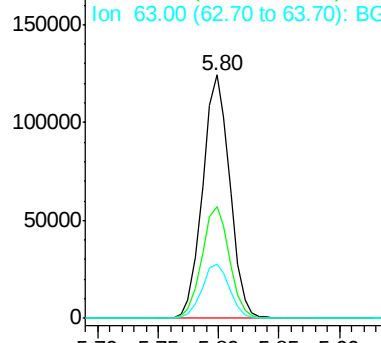
ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	112	Resp:	194757
Ion	Ratio	Lower	Upper
112	100		
64	45.8	39.3	58.9
63	22.1	18.2	27.4



Abundance Ion 112.00 (111.70 to 112.70): BGC



#6

Aniline

Concen: 18.13 ng

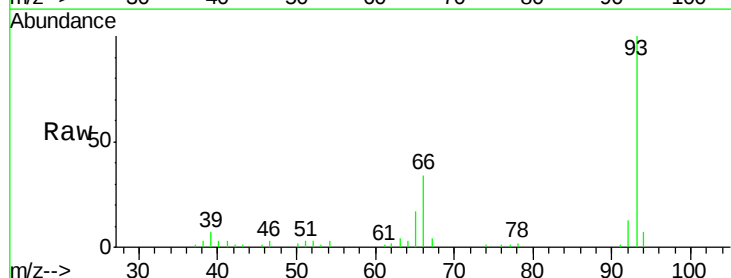
RT: 7.58 min Scan# 808

Delta R.T. -0.00 min

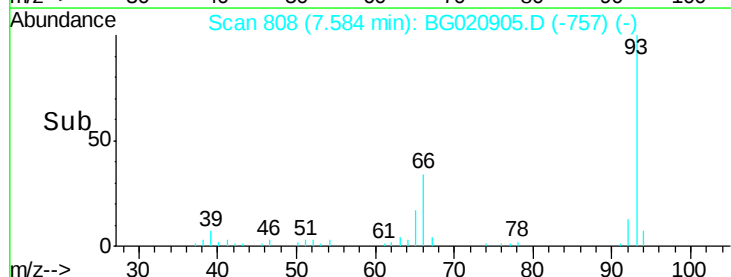
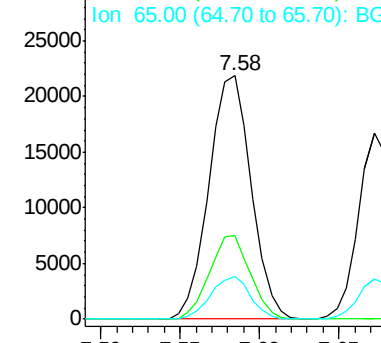
Lab File: BG020905.D

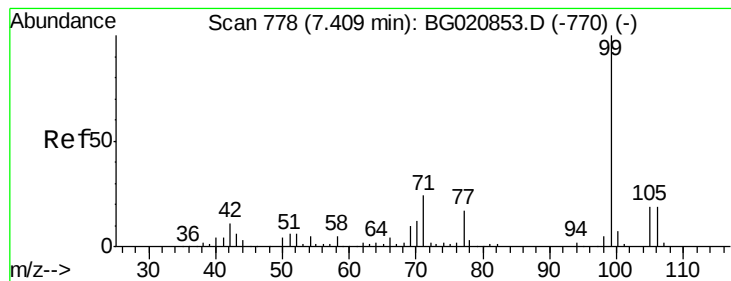
Acq: 15 Feb 2016 15:25

Tgt Ion:	93	Resp:	40475
Ion	Ratio	Lower	Upper
93	100		
66	34.1	26.6	40.0
65	17.3	14.0	21.0



Abundance Ion 93.00 (92.70 to 93.70): BGC





#7

Phenol-d6

Concen: 153.17 ng

RT: 7.41 min Scan# 779

Delta R.T. 0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

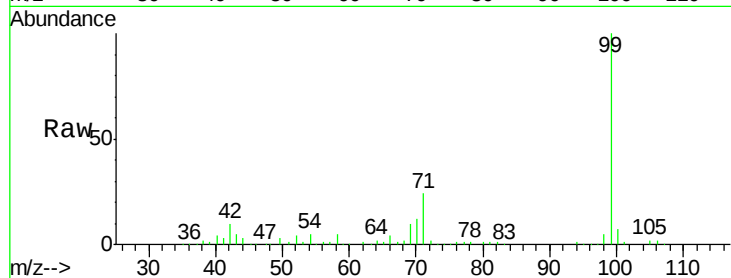
Tgt Ion: 99 Resp: 274277

Ion Ratio Lower Upper

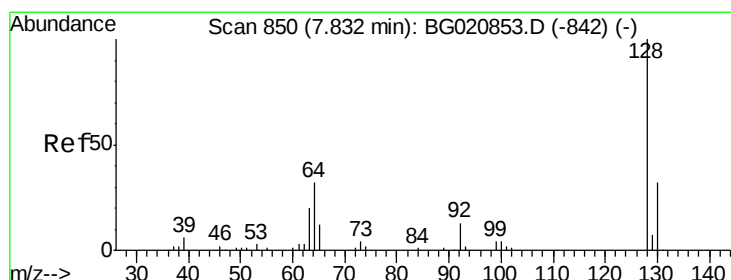
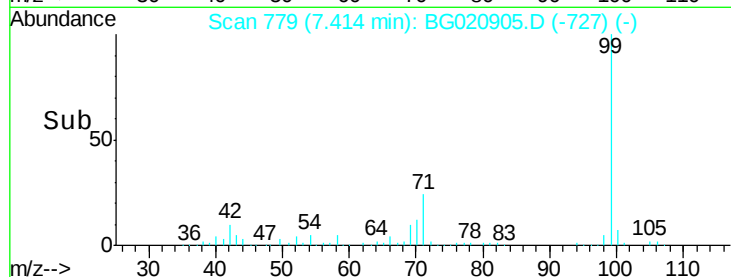
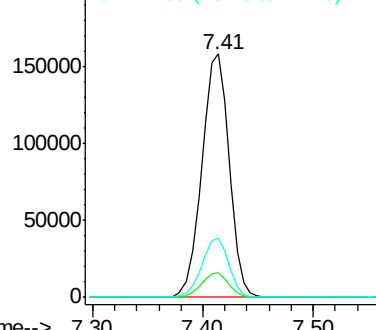
99 100

42 10.1 8.4 12.6

71 24.4 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: 19.03 ng

RT: 7.82 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

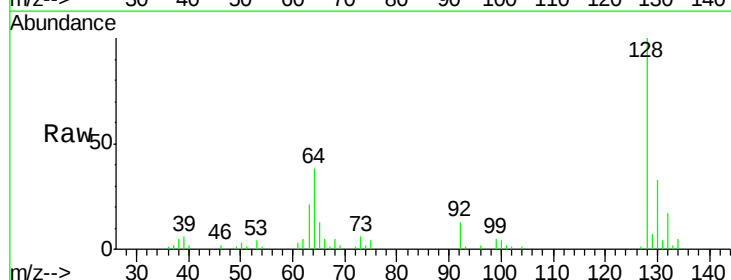
Tgt Ion: 128 Resp: 29119

Ion Ratio Lower Upper

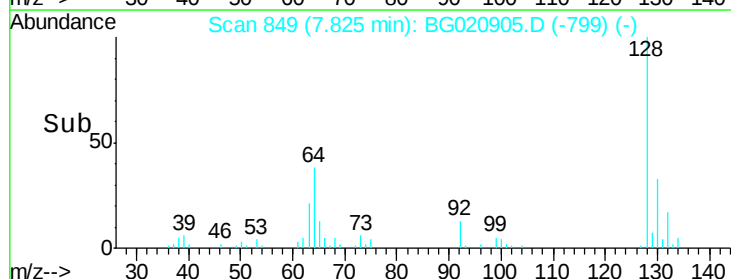
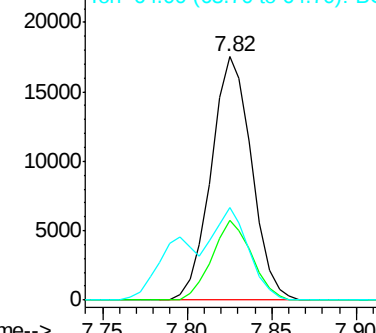
128 100

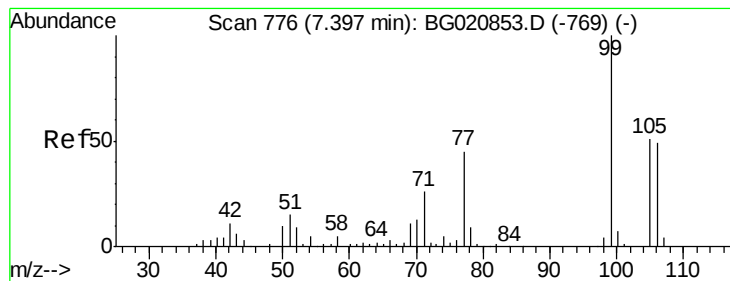
130 32.7 12.3 52.3

64 38.1 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: 22.50 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

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BNA_G

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LOQ-SOIL2016-02

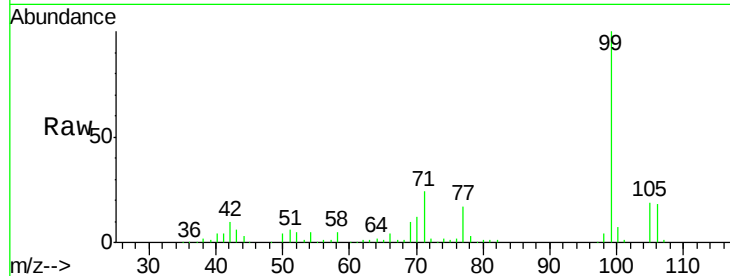
Tgt Ion: 77 Resp: 20178

Ion Ratio Lower Upper

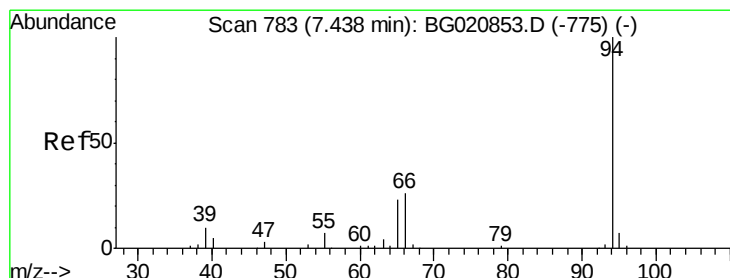
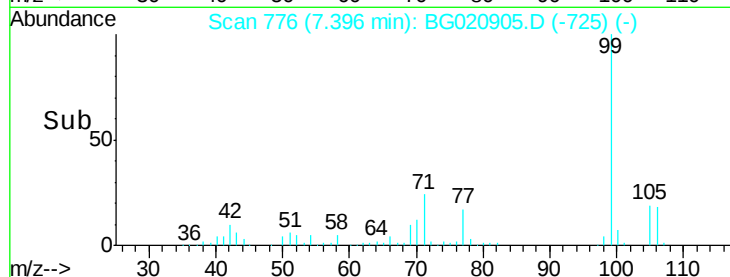
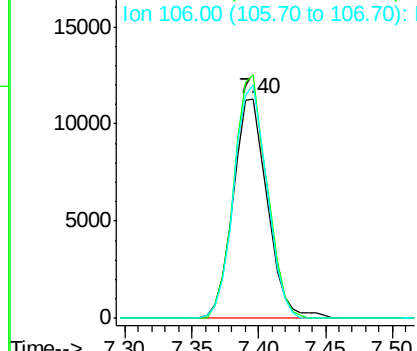
77 100

105 110.9 93.4 133.4

106 106.5 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: 19.07 ng

RT: 7.44 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

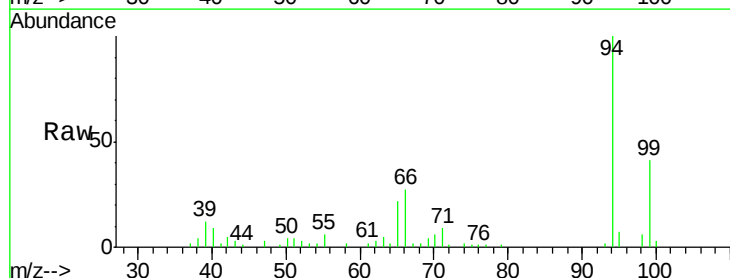
Tgt Ion: 94 Resp: 36147

Ion Ratio Lower Upper

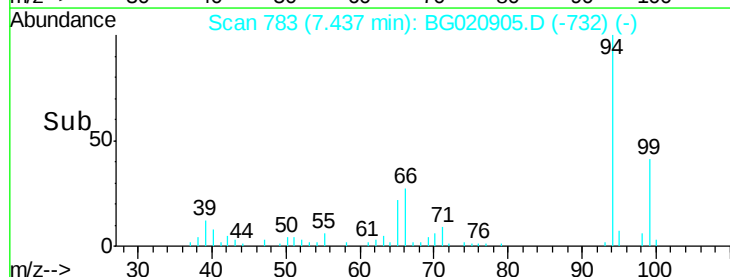
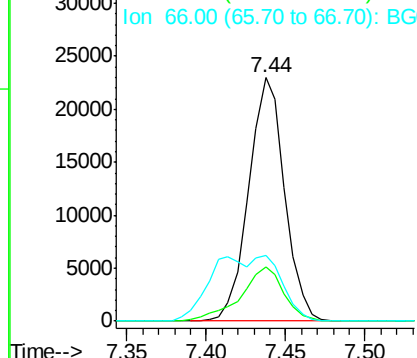
94 100

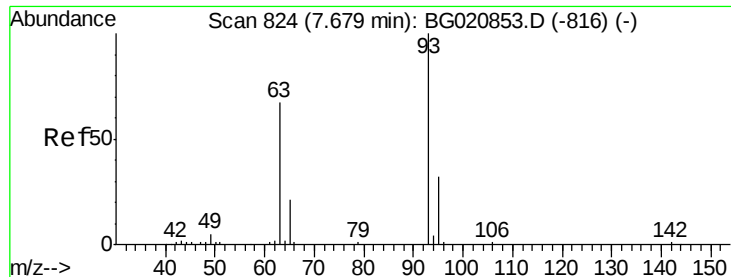
65 22.2 2.8 42.8

66 26.8 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



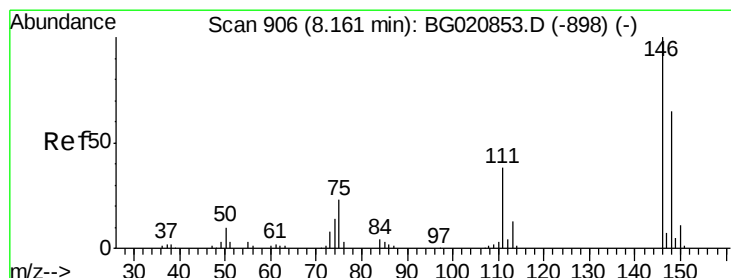
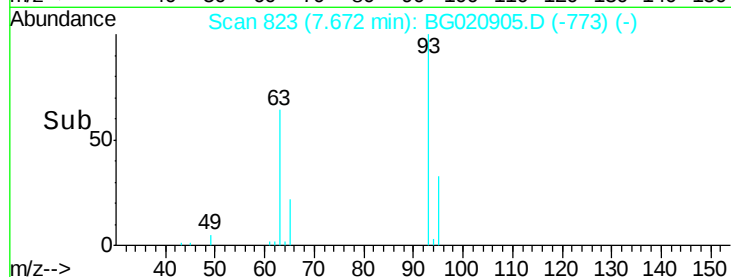
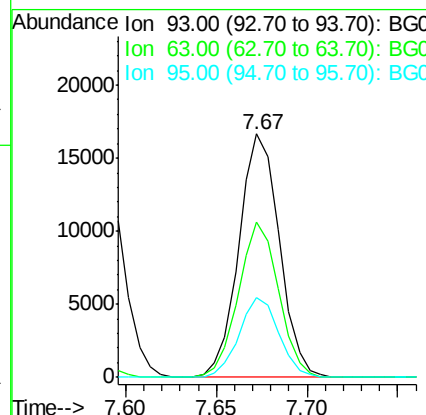
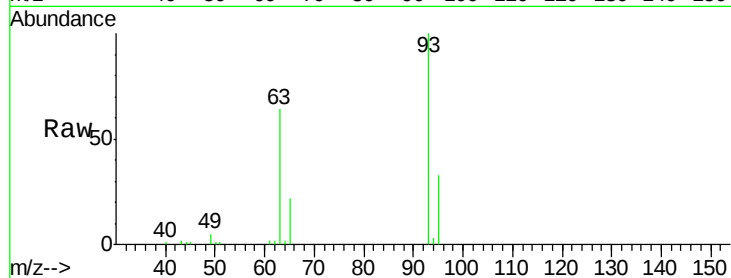


#11
bis(2-Chloroethyl)ether
Concen: 17.10 ng
RT: 7.67 min Scan# 823
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 93 Resp: 25887

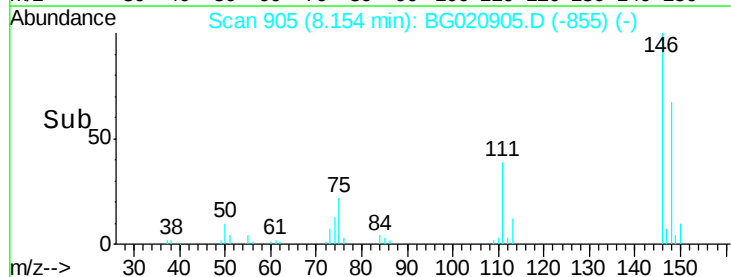
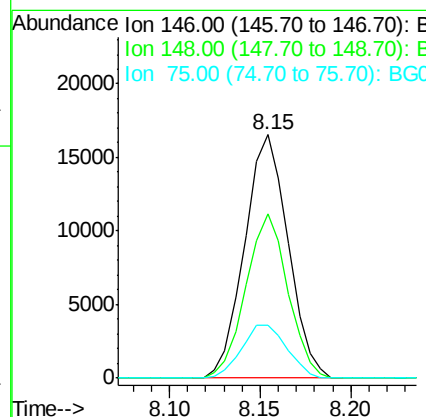
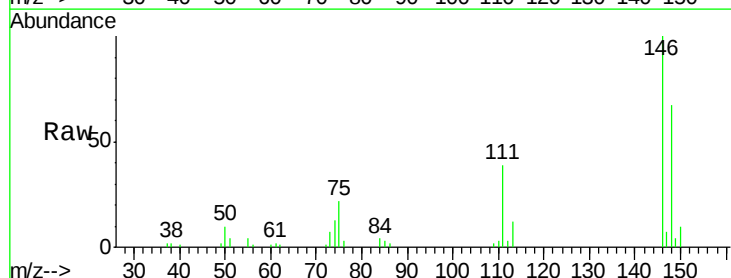
Ion	Ratio	Lower	Upper
93	100		
63	63.8	46.4	86.4
95	32.9	12.1	52.1

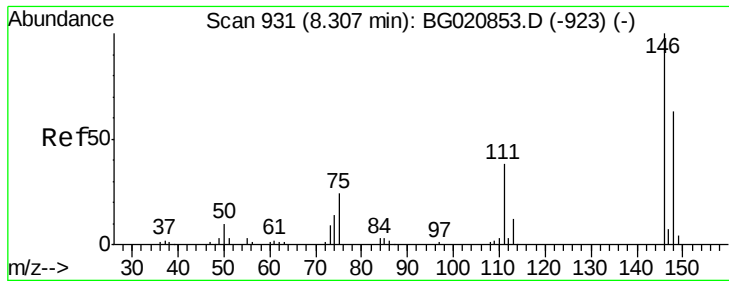


#12
1,3-Dichlorobenzene
Concen: 17.02 ng
RT: 8.15 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion: 146 Resp: 27536

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.8	77.8
75	21.9	18.7	28.1

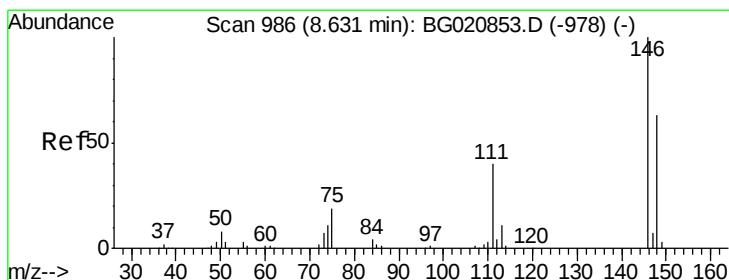
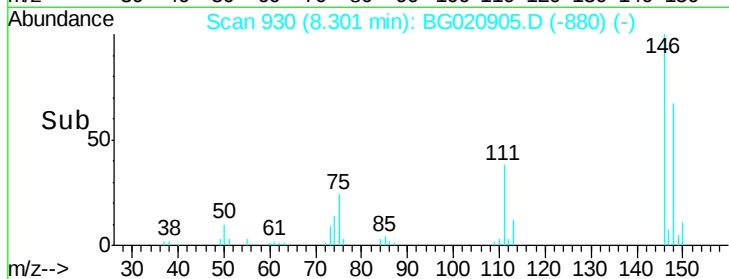
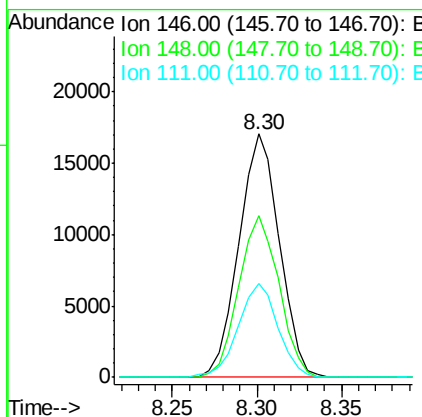
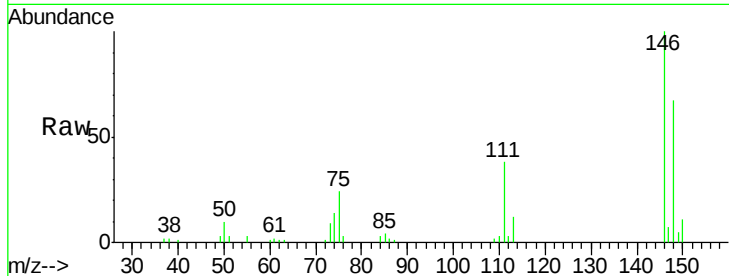




#13
 1,4-Dichlorobenzene
 Concen: 17.30 ng
 RT: 8.30 min Scan# 930
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

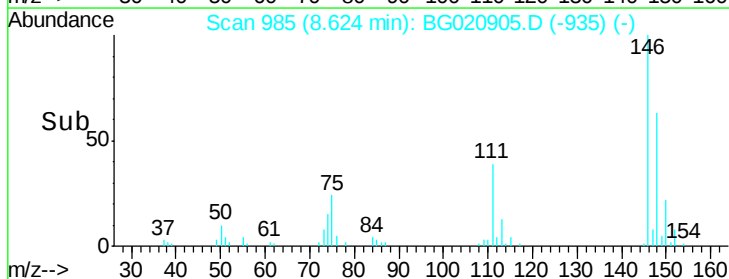
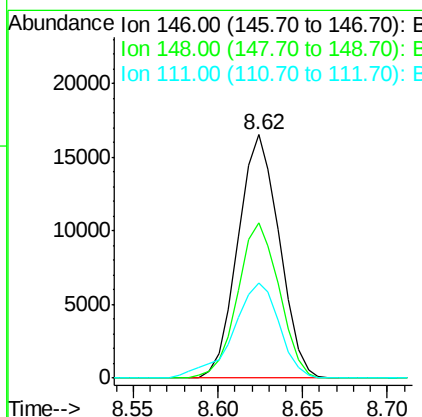
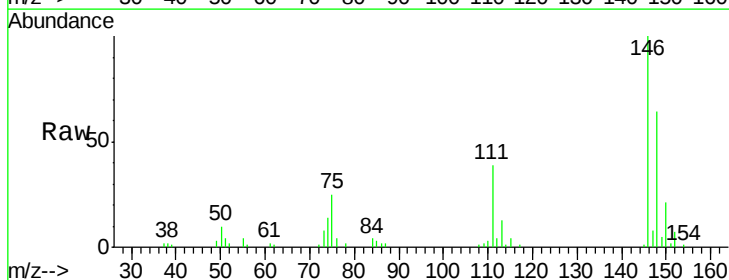
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

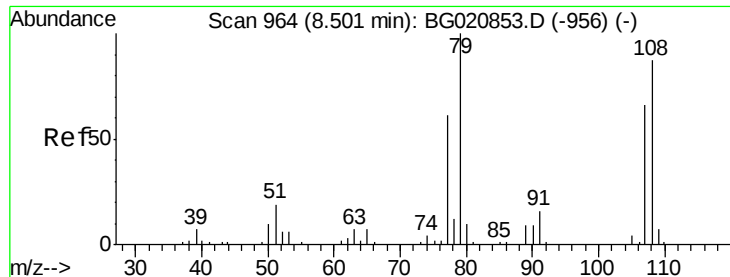
Tgt Ion:146 Resp: 28390
 Ion Ratio Lower Upper
 146 100
 148 66.6 50.8 76.2
 111 38.4 30.1 45.1



#14
 1,2-Dichlorobenzene
 Concen: 17.61 ng
 RT: 8.62 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:146 Resp: 28110
 Ion Ratio Lower Upper
 146 100
 148 63.8 50.6 76.0
 111 39.2 32.6 48.8





#15

Benzyl Alcohol

Concen: 18.89 ng

RT: 8.50 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

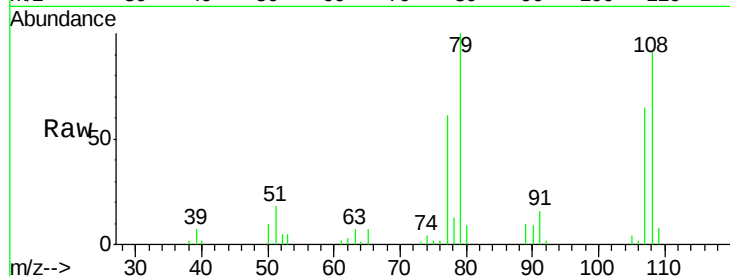
Tgt Ion: 79 Resp: 21327

Ion Ratio Lower Upper

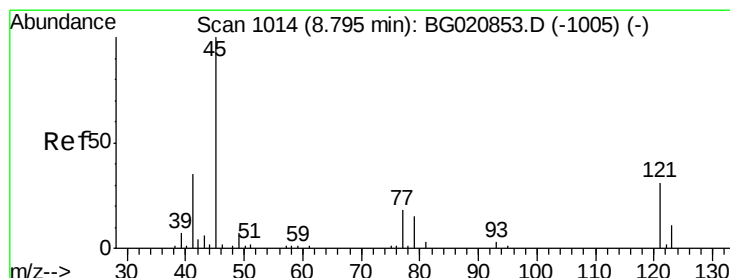
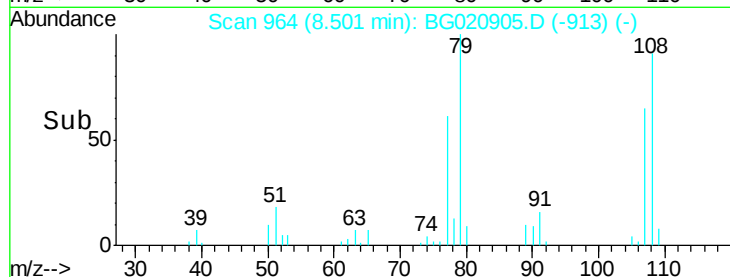
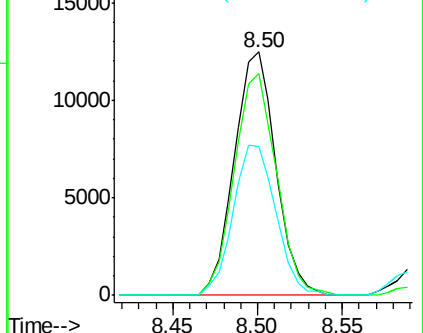
79 100

108 91.2 69.4 104.2

77 61.0 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: 16.16 ng

RT: 8.79 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

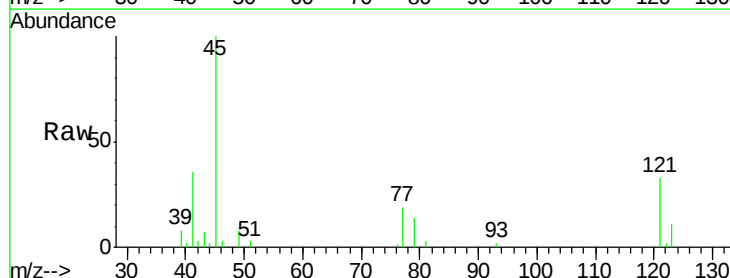
Tgt Ion: 45 Resp: 25510

Ion Ratio Lower Upper

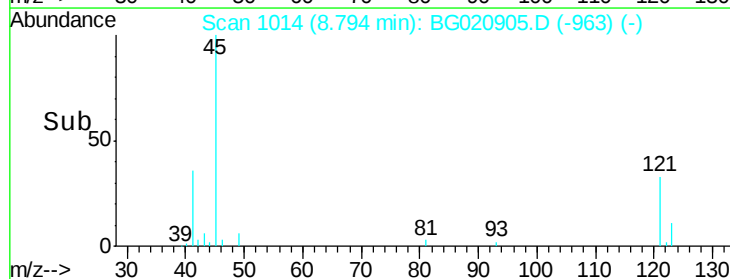
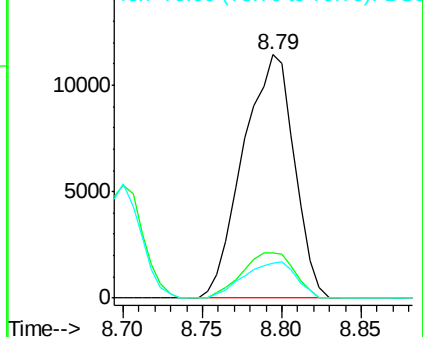
45 100

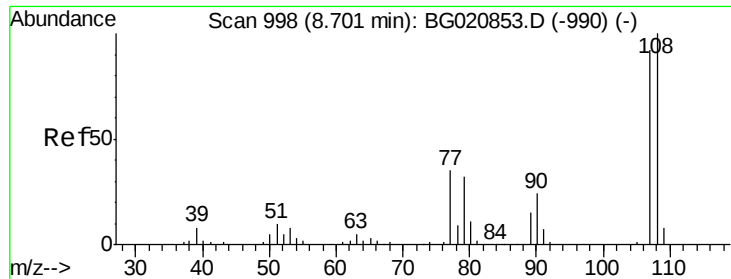
77 18.7 0.0 38.5

79 14.2 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

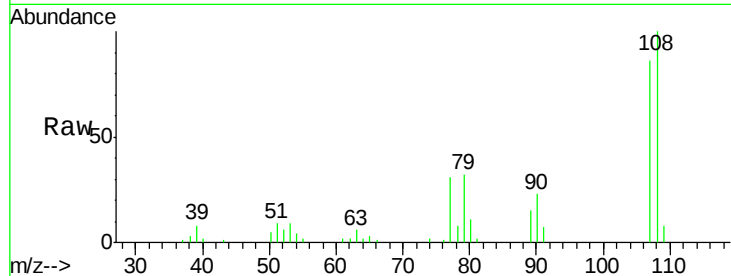




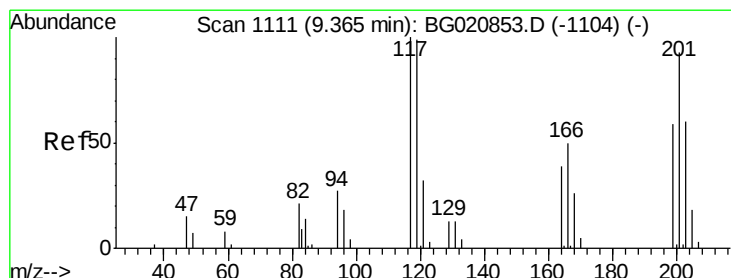
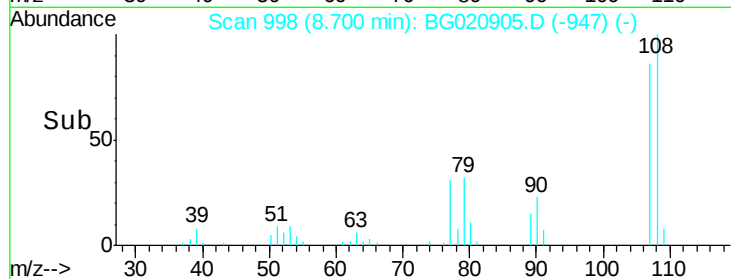
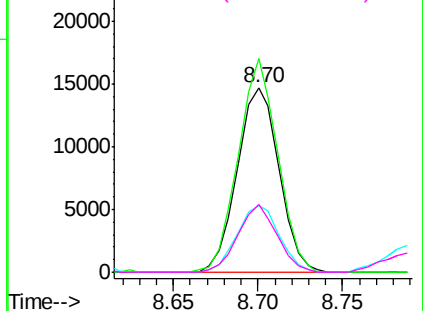
#17
2-Methylphenol
Concen: 18.51 ng
RT: 8.70 min Scan# 998
Delta R.T. -0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:107 Resp: 25271
Ion Ratio Lower Upper
107 100
108 115.7 87.0 130.4
77 36.1 30.1 45.1
79 36.5 27.4 41.2

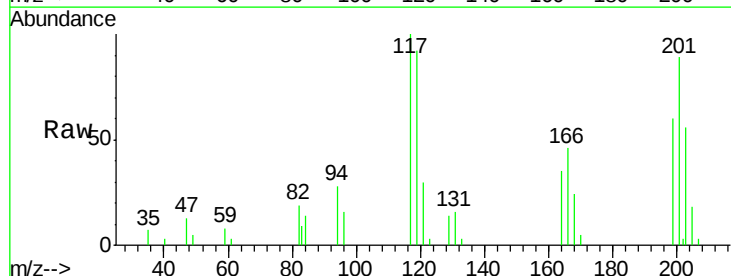


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

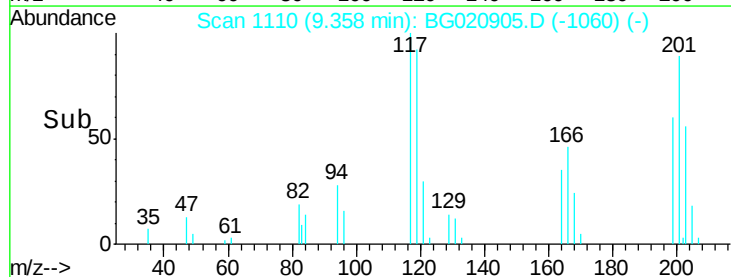
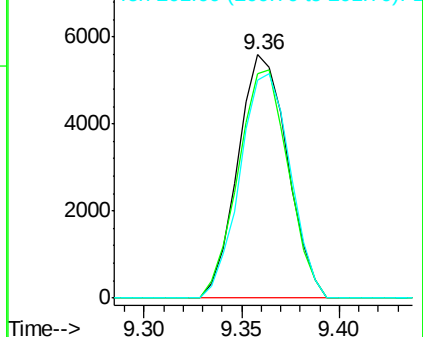


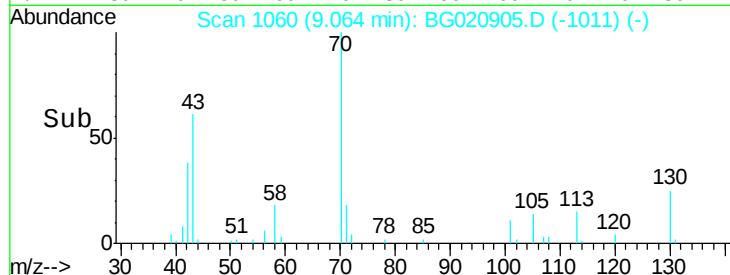
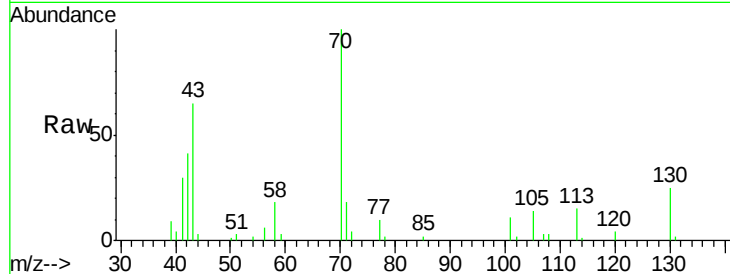
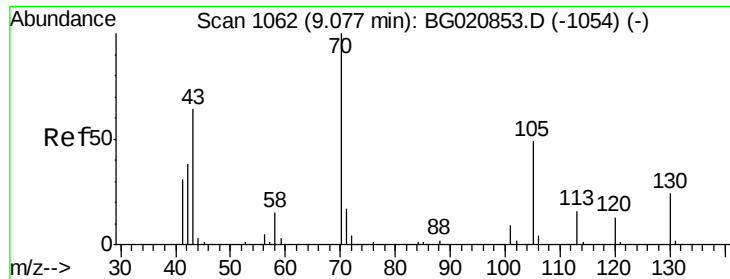
#18
Hexachloroethane
Concen: 17.41 ng
RT: 9.36 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:117 Resp: 9819
Ion Ratio Lower Upper
117 100
119 92.3 79.6 119.4
201 89.4 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

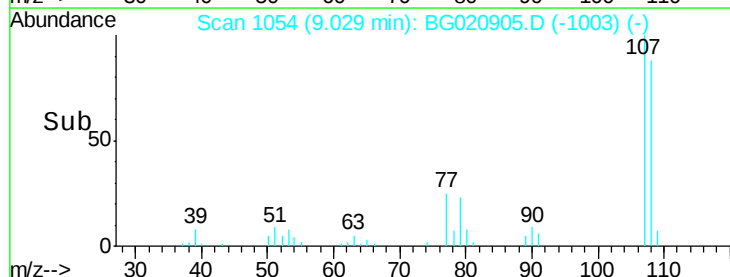
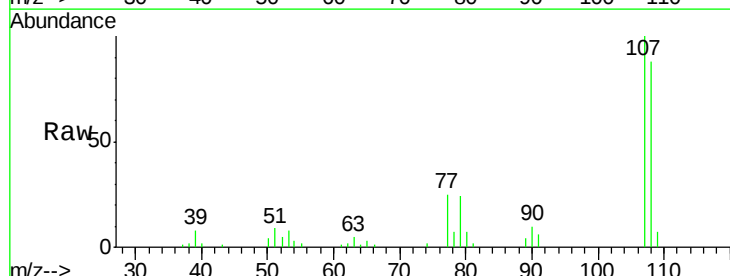
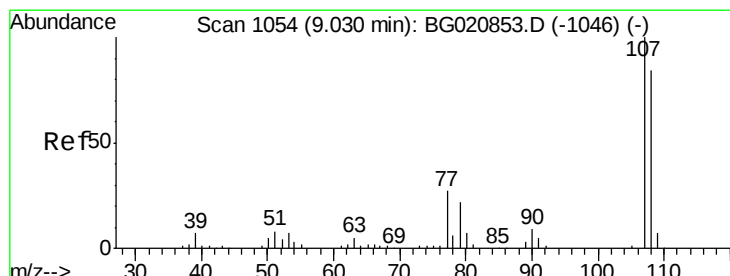
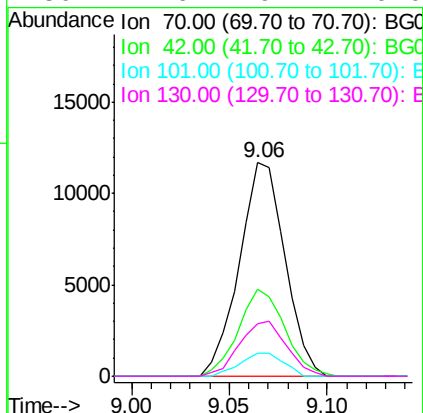




#19
n-Nitroso-di-n-propylamine
Concen: 16.38 ng
RT: 9.06 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

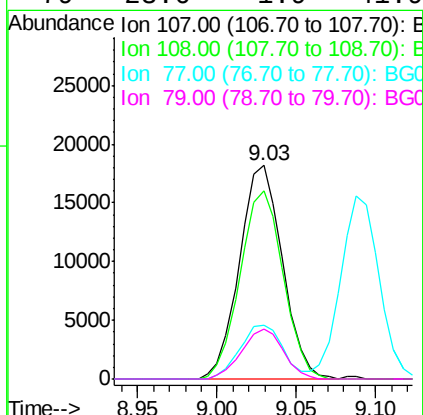
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

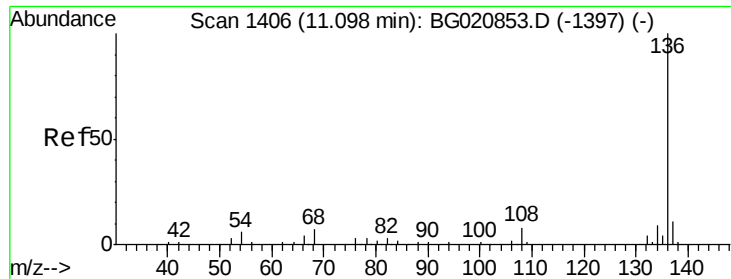
Tgt Ion:	70	Resp:	18928
Ion	Ratio	Lower	Upper
70	100		
42	41.0	30.9	46.3
101	11.0	7.3	10.9#
130	24.6	19.4	29.0



#20
3+4-Methylphenols
Concen: 17.94 ng
RT: 9.03 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:	107	Resp:	34130
Ion	Ratio	Lower	Upper
107	100		
108	88.3	64.4	104.4
77	25.2	7.1	47.1
79	23.6	1.9	41.9

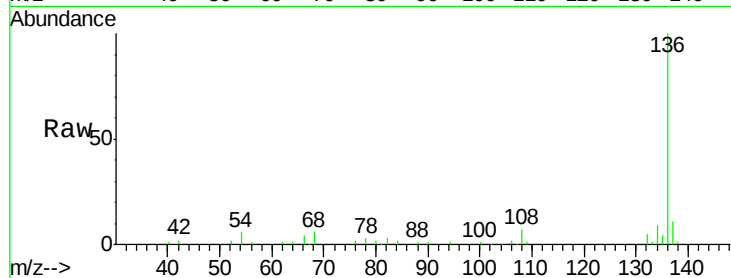




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion:	136	Resp:	101045
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	5.8	5.0	7.4
68	6.2	5.2	7.8



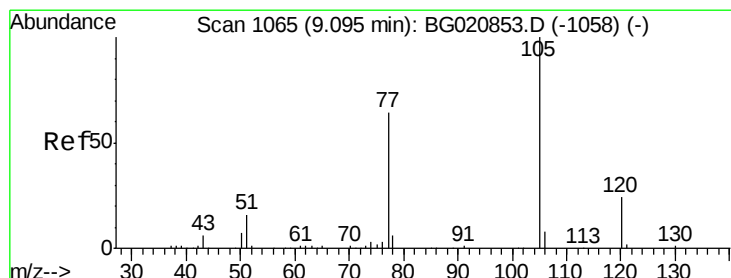
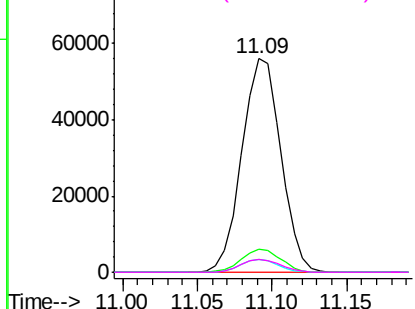
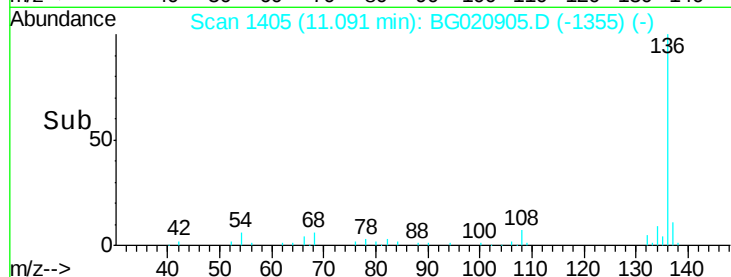
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

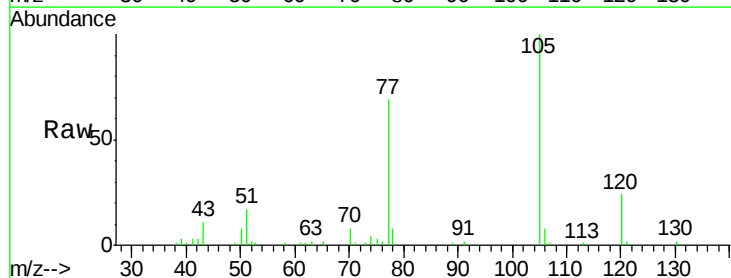
Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#22
Acetophenone
Concen: 16.27 ng
RT: 9.09 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:	105	Resp:	39616
Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.4	2.0#
51	16.8	13.7	20.5
120	24.3	19.0	28.6



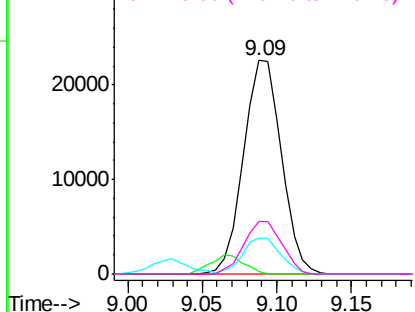
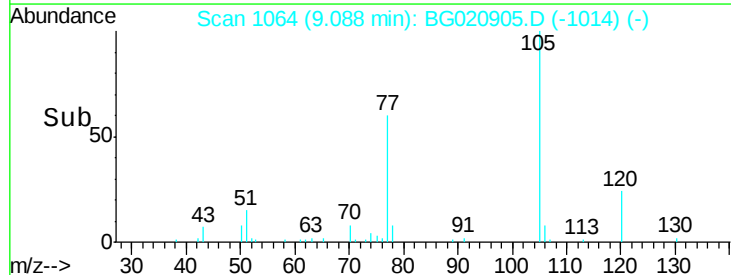
Abundance

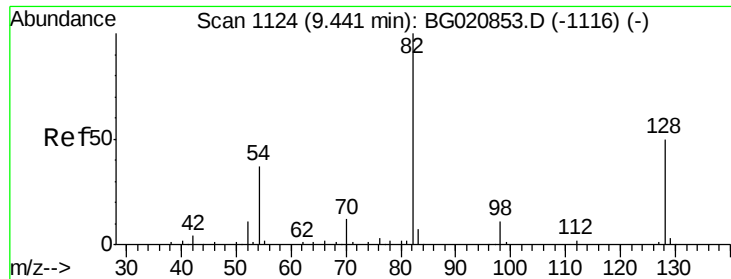
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BG

Ion 51.00 (50.70 to 51.70): BG

Ion 120.00 (119.70 to 120.70): E

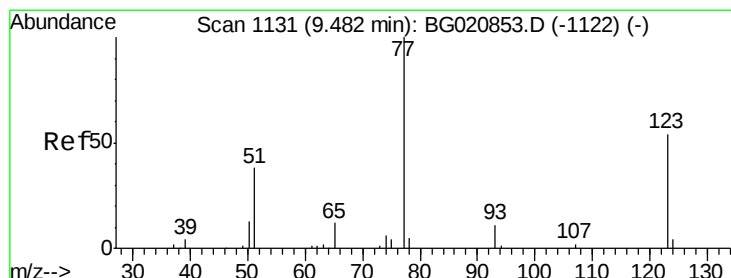
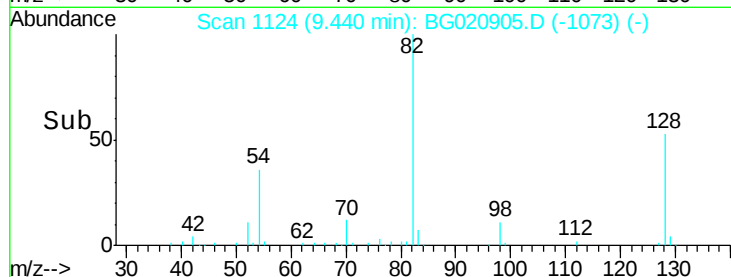
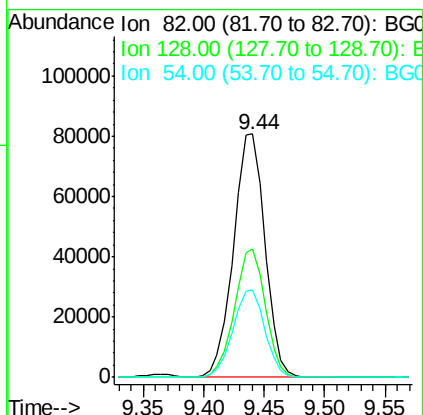
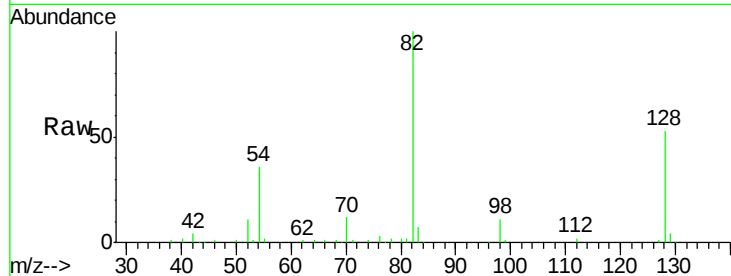




#23
 Nitrobenzene-d5
 Concen: 95.72 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

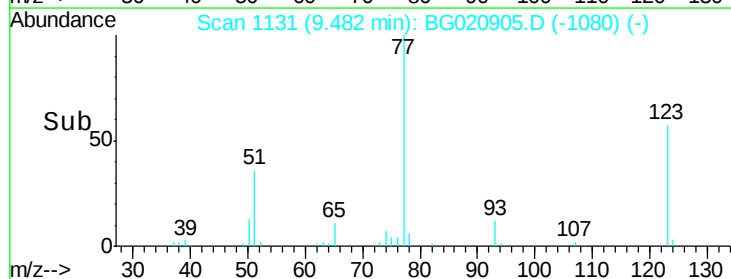
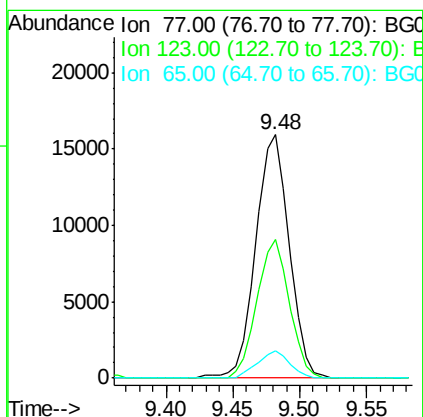
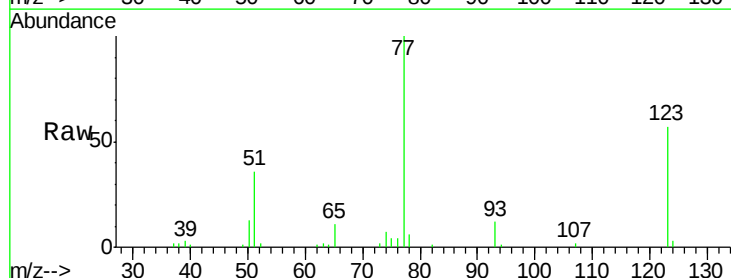
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

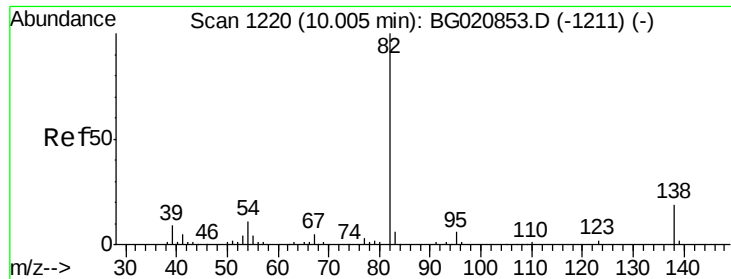
Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.9	40.1	60.1
54	35.8	29.5	44.3



#24
 Nitrobenzene
 Concen: 17.19 ng
 RT: 9.48 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	56.8	43.2	64.8
65	11.4	9.2	13.8





#25

Isophorone

Concen: 16.81 ng

RT: 10.00 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

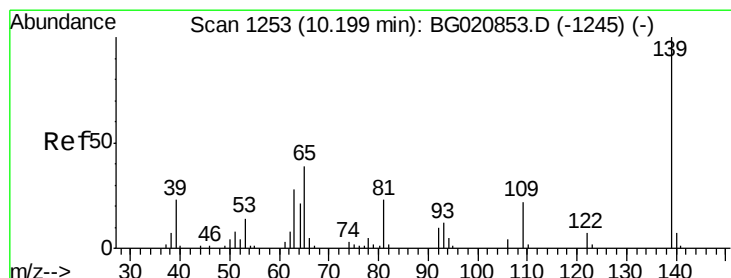
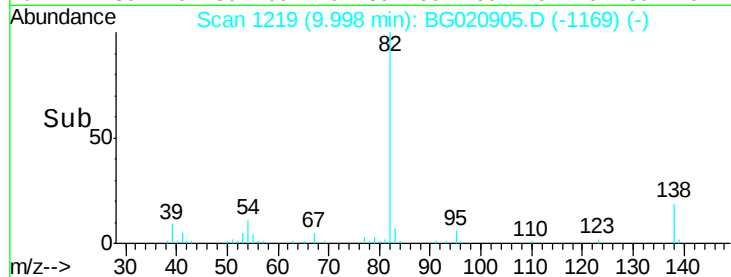
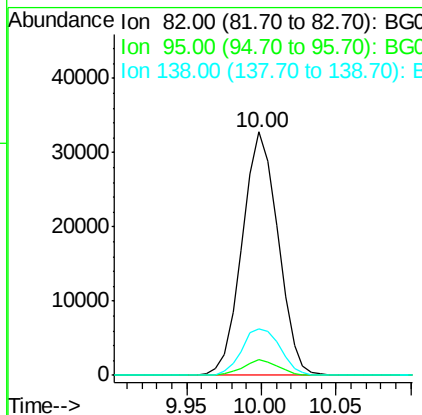
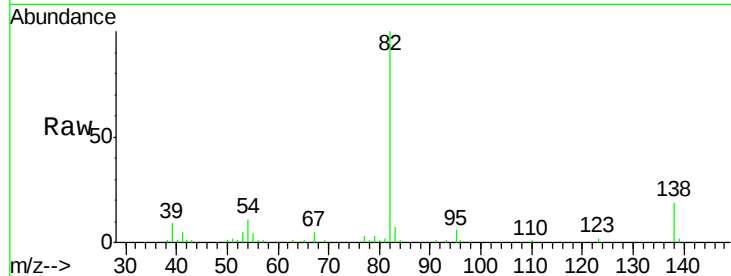
Tgt Ion: 82 Resp: 54453

Ion Ratio Lower Upper

82 100

95 6.3 4.8 7.2

138 19.3 15.4 23.0



#26

2-Nitrophenol

Concen: 17.01 ng

RT: 10.20 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

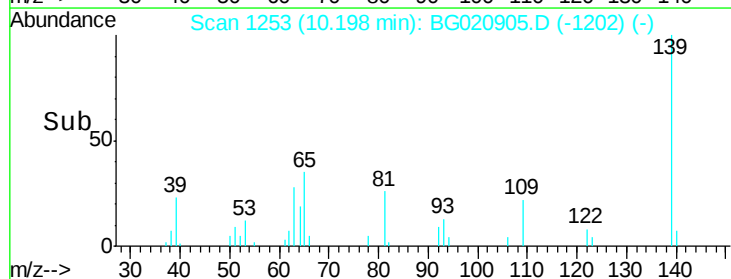
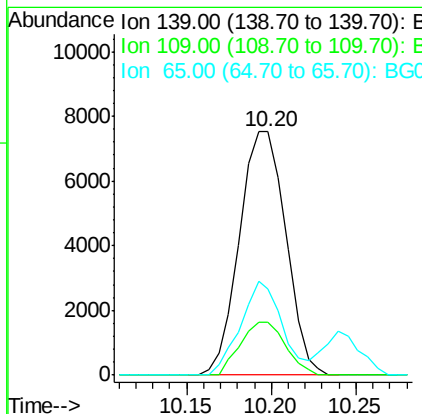
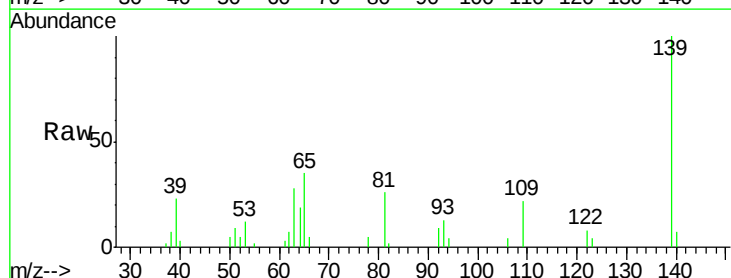
Tgt Ion: 139 Resp: 14338

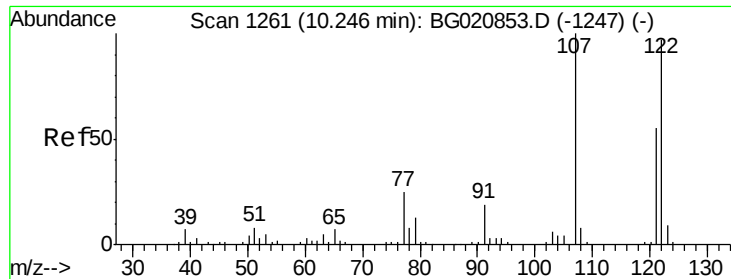
Ion Ratio Lower Upper

139 100

109 21.5 17.6 26.4

65 35.2 31.0 46.6

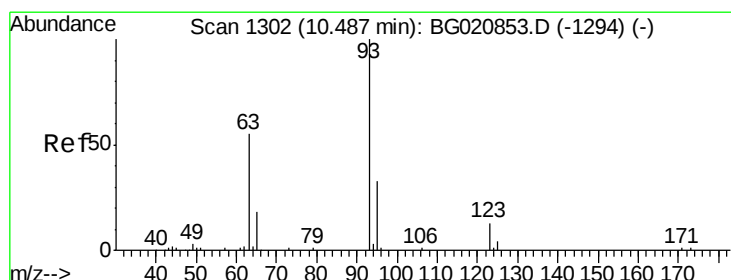
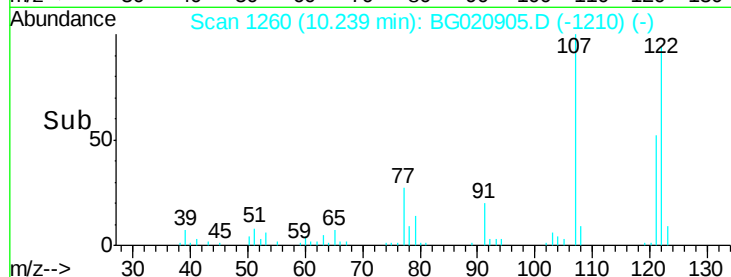
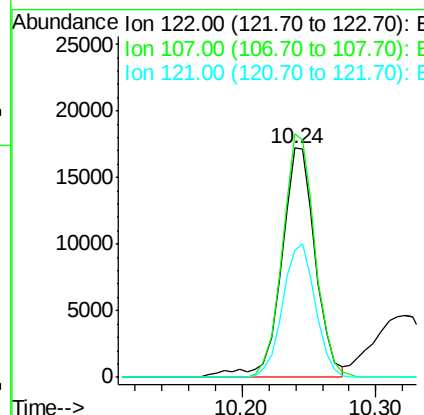
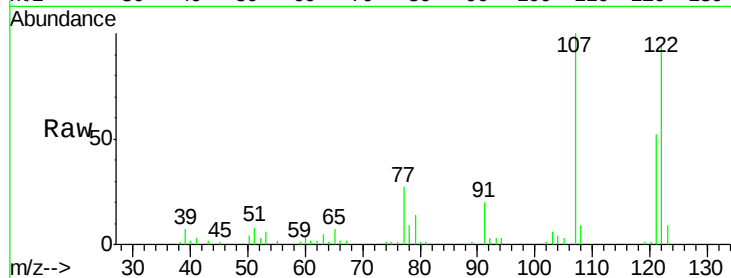




#27
2,4-Dimethylphenol
Concen: 18.86 ng
RT: 10.24 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

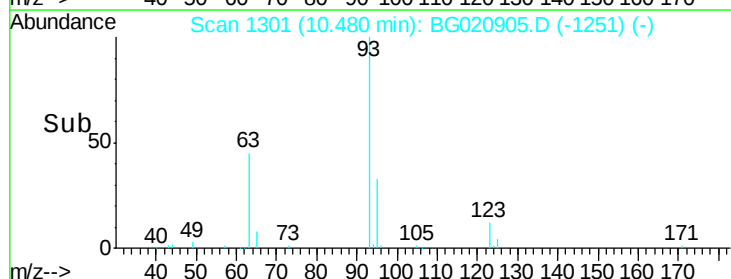
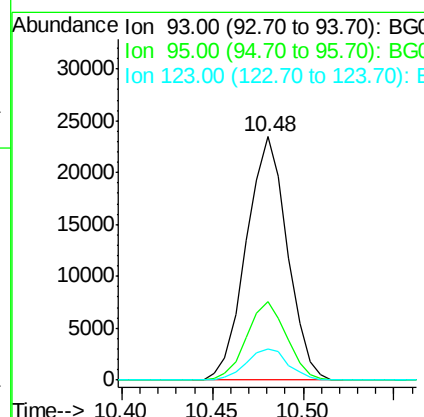
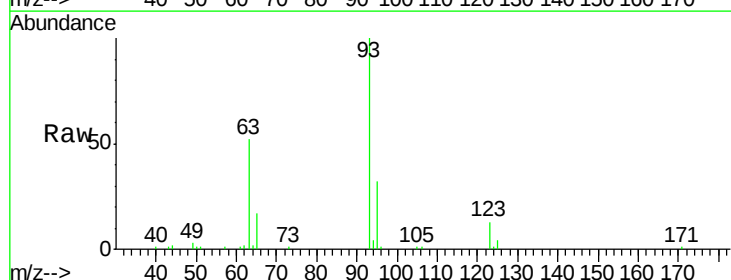
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

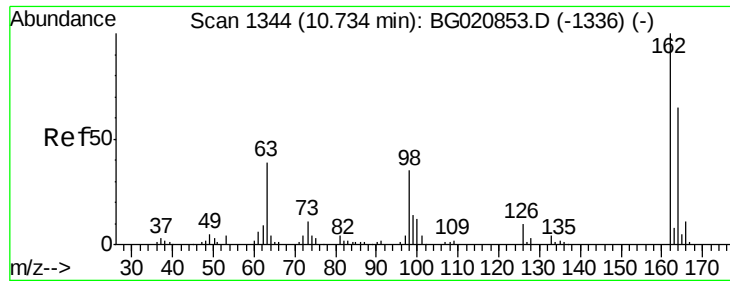
Tgt Ion:122 Resp: 30463
Ion Ratio Lower Upper
122 100
107 106.3 82.6 124.0
121 55.7 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 18.48 ng
RT: 10.48 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion: 93 Resp: 36896
Ion Ratio Lower Upper
93 100
95 32.2 26.2 39.2
123 13.0 10.0 15.0

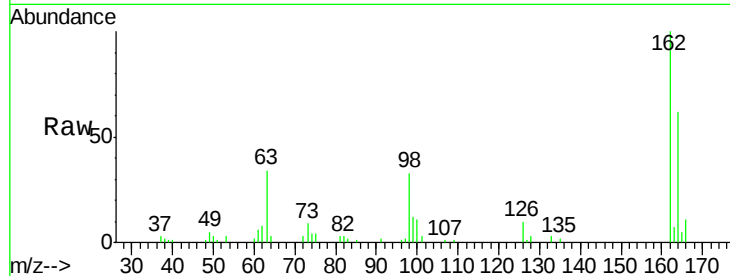




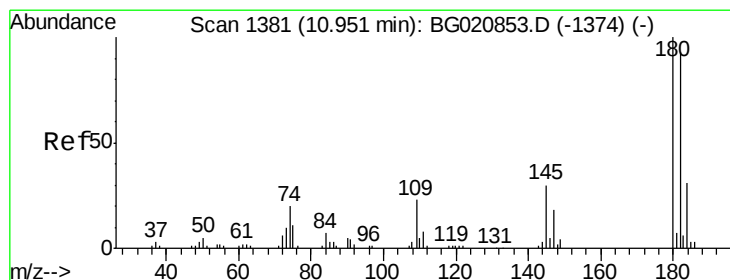
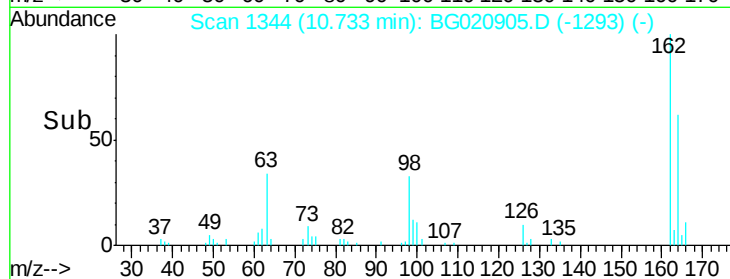
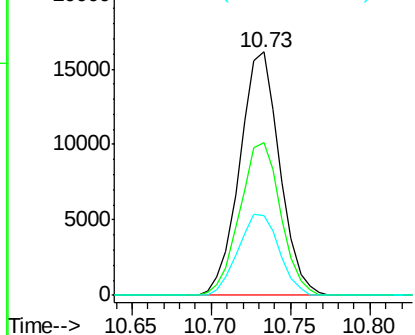
#29
 2,4-Dichlorophenol
 Concen: 19.48 ng
 RT: 10.73 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.5	44.5	84.5
98	32.6	14.9	54.9

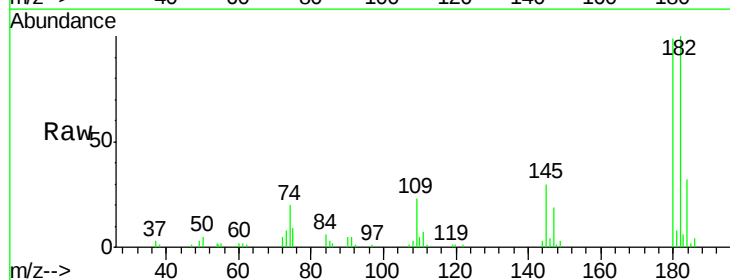


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): B

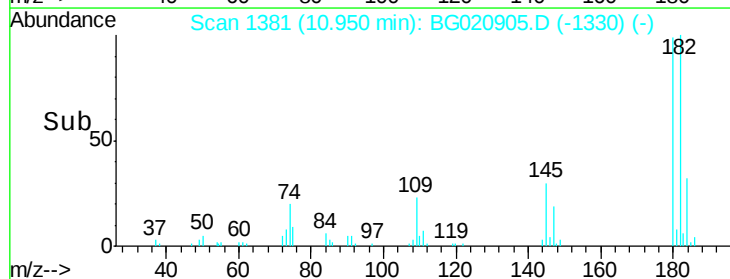
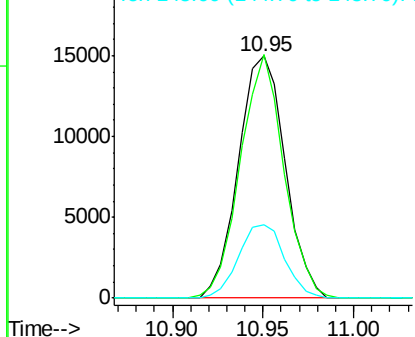


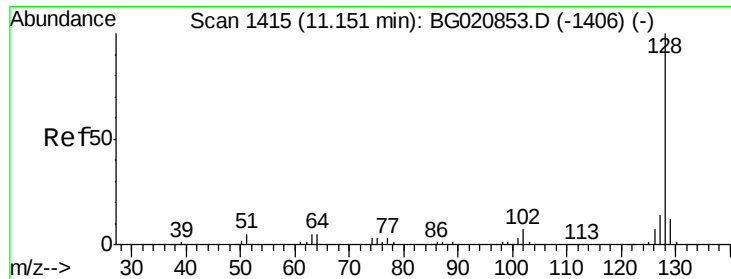
#30
 1,2,4-Trichlorobenzene
 Concen: 18.44 ng
 RT: 10.95 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	74.1	111.1
145	30.1	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

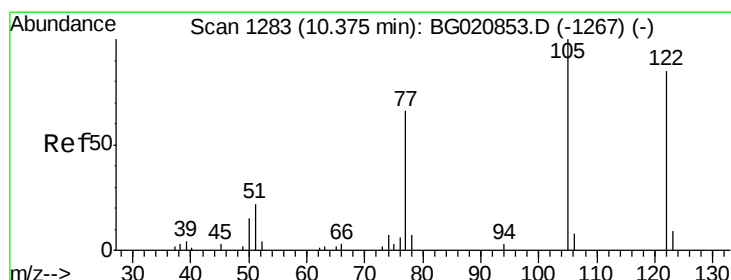
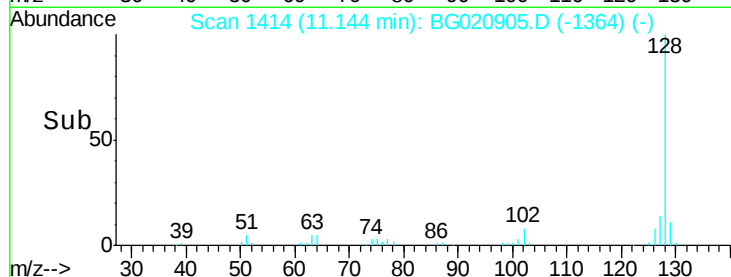
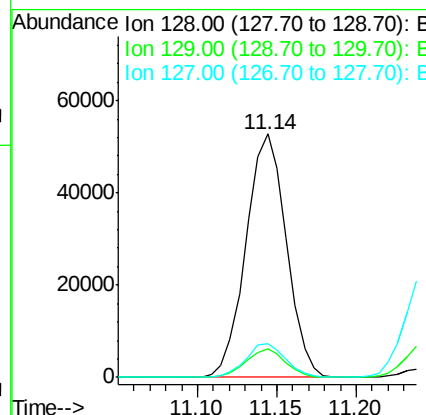
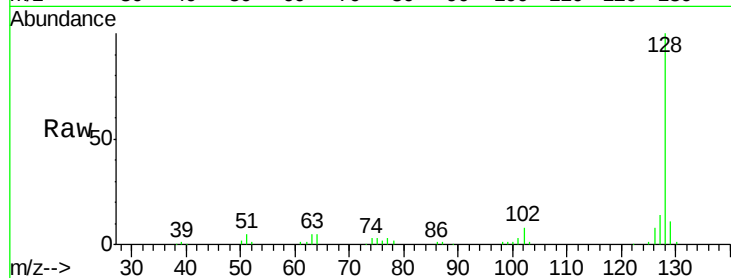




#31
Naphthalene
Concen: 17.87 ng
RT: 11.14 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

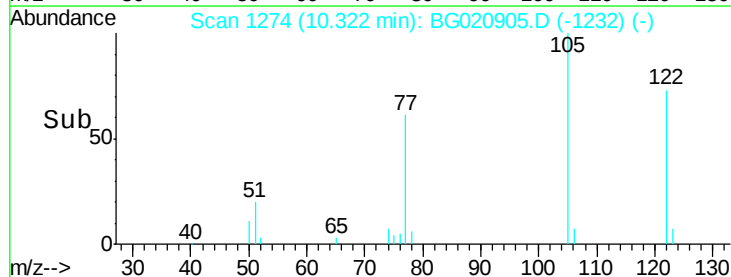
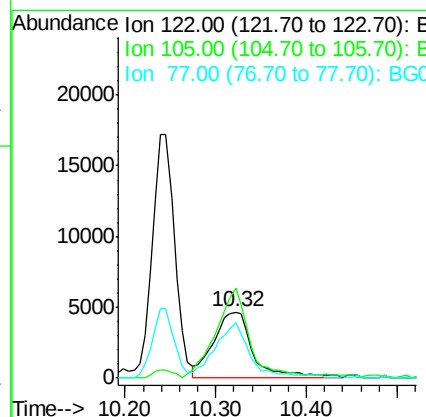
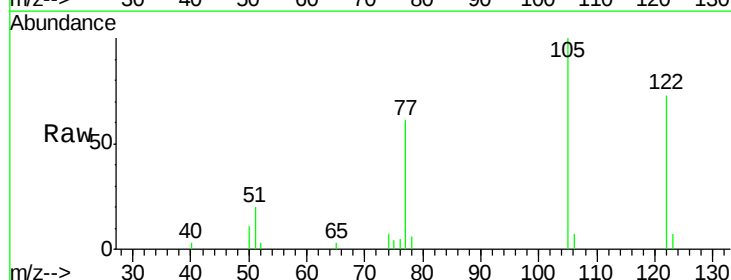
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

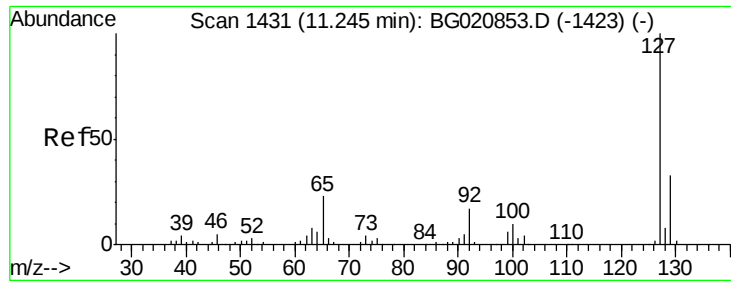
Tgt Ion:128 Resp: 93408
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 13.9 11.4 17.2



#32
Benzoic acid
Concen: 10.99 ng
RT: 10.32 min Scan# 1274
Delta R.T. -0.05 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:122 Resp: 14235
Ion Ratio Lower Upper
122 100
105 136.8 94.0 134.0#
77 83.4 56.8 96.8

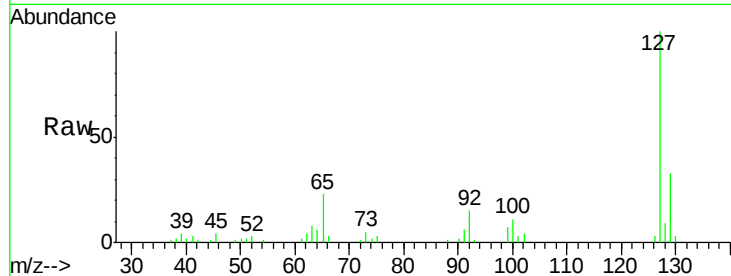




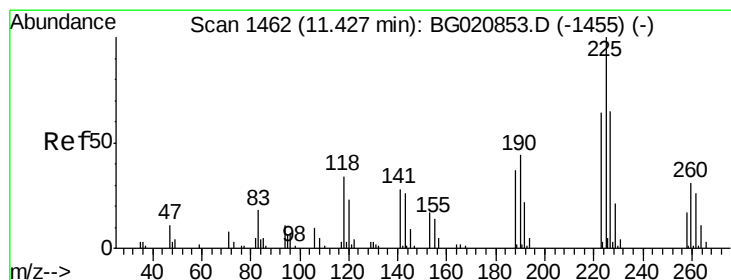
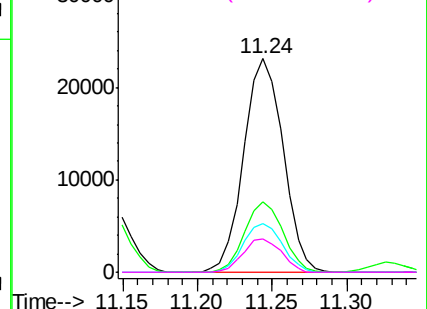
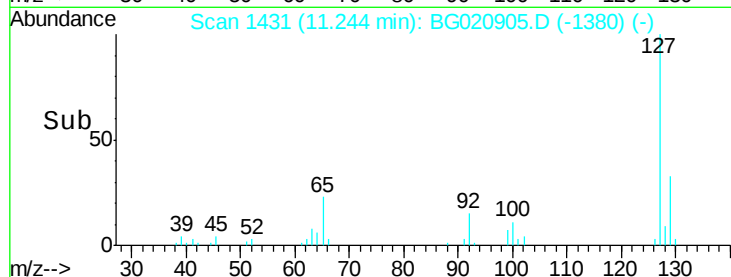
#33
 4-Chloroaniline
 Concen: 18.82 ng
 RT: 11.24 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:	127	Resp:	42314
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	22.7	18.6	27.8
92	15.5	13.3	19.9

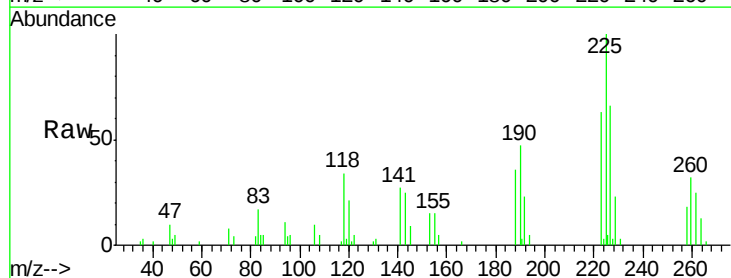


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 92.00 (91.70 to 92.70): BG

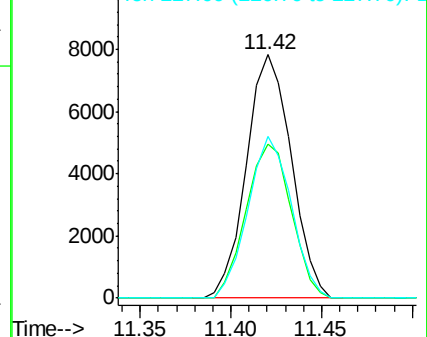
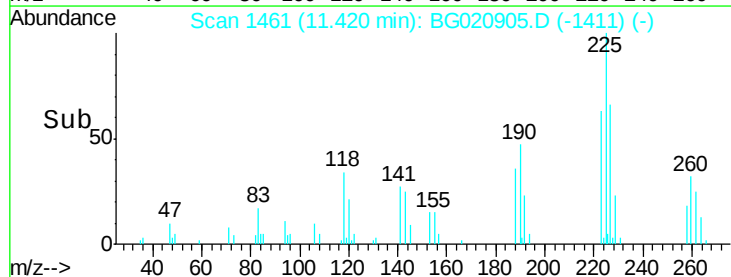


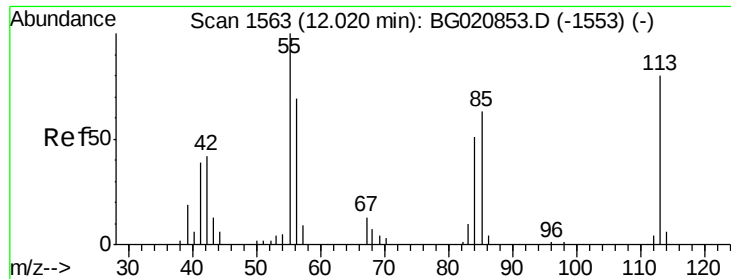
#34
 Hexachlorobutadiene
 Concen: 18.14 ng
 RT: 11.42 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:	225	Resp:	13487
Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.0	76.6
227	66.5	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: 19.76 ng

RT: 12.00 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

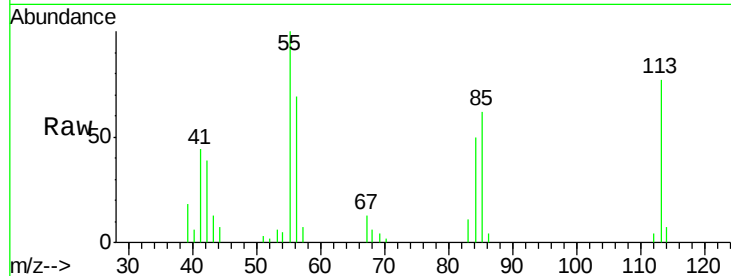
Tgt Ion:113 Resp: 10963

Ion Ratio Lower Upper

113 100

55 130.2 104.4 144.4

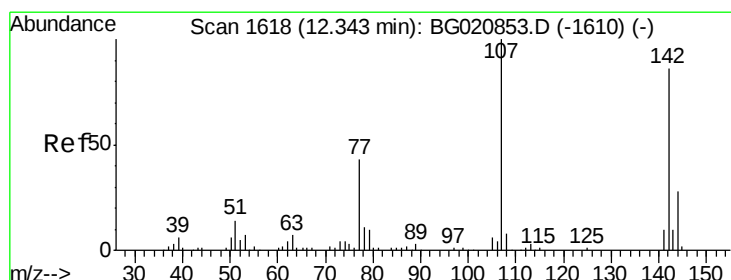
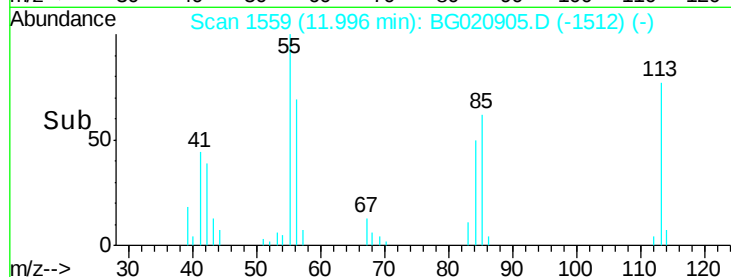
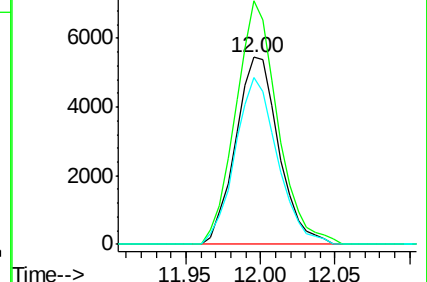
56 89.4 65.4 105.4



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: 18.71 ng

RT: 12.34 min Scan# 1618

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

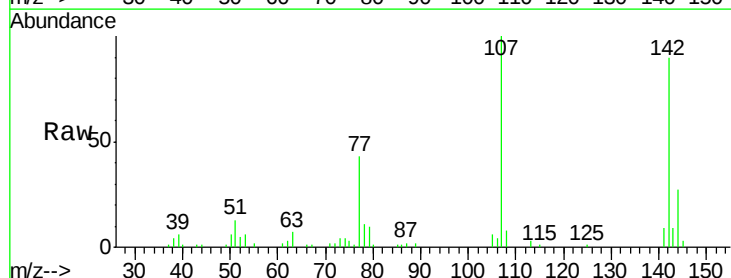
Tgt Ion:107 Resp: 31032

Ion Ratio Lower Upper

107 100

144 27.1 22.4 33.6

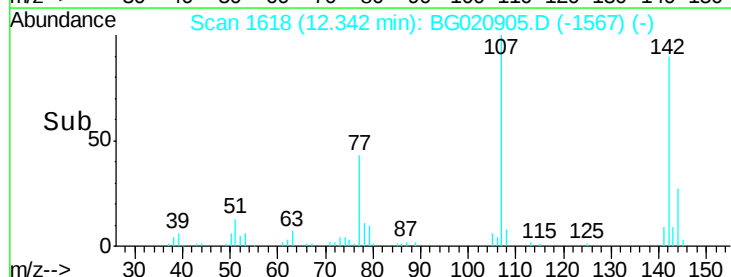
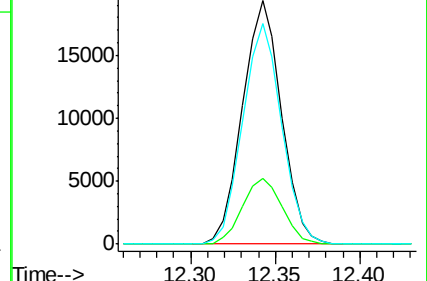
142 90.5 68.6 103.0

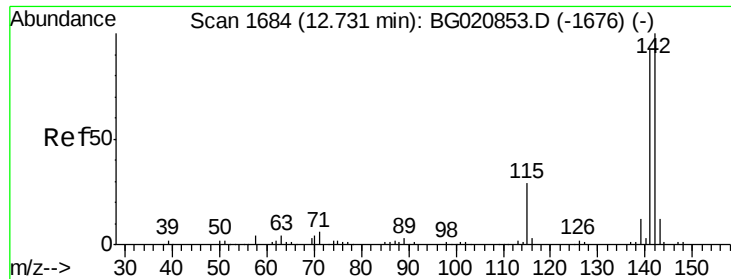


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

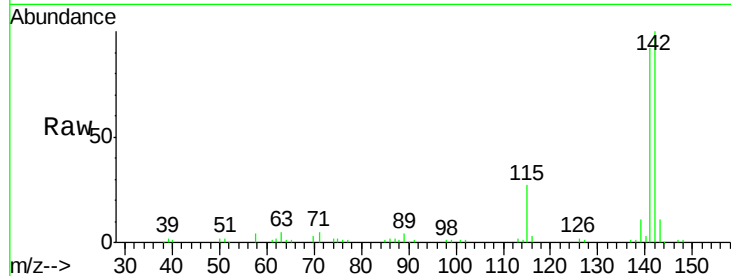




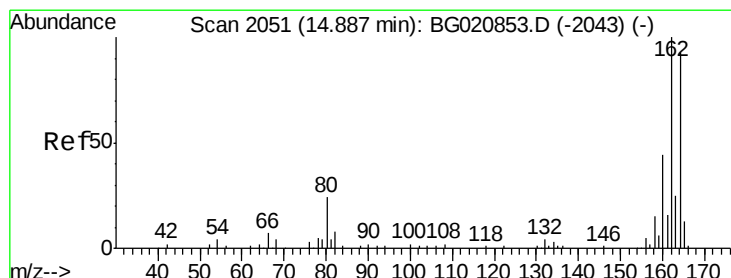
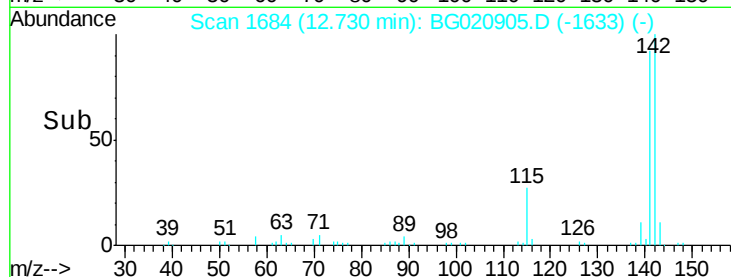
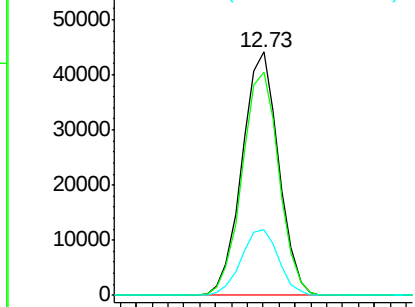
#37
 2-Methylnaphthalene
 Concen: 19.26 ng
 RT: 12.73 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:142 Resp: 70621
 Ion Ratio Lower Upper
 142 100
 141 91.6 73.4 110.2
 115 27.1 23.0 34.6

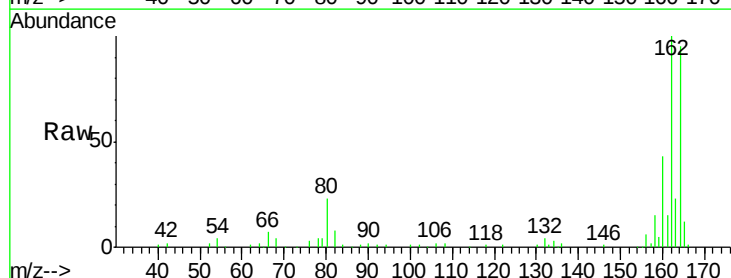


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

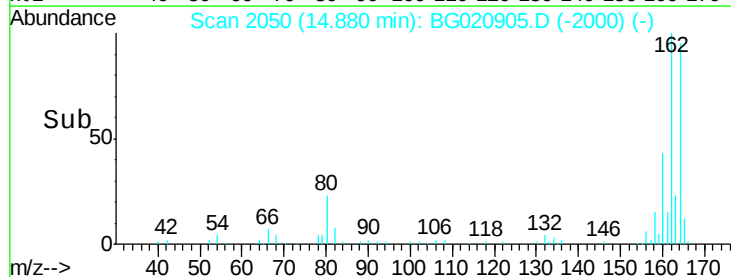
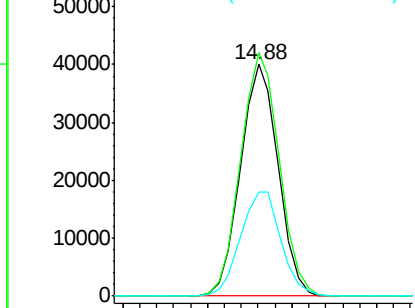


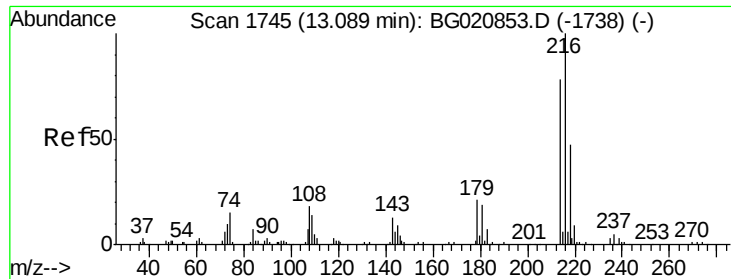
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:164 Resp: 61807
 Ion Ratio Lower Upper
 164 100
 162 105.0 85.7 128.5
 160 45.0 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: 15.95 ng

RT: 13.09 min Scan# 1745

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

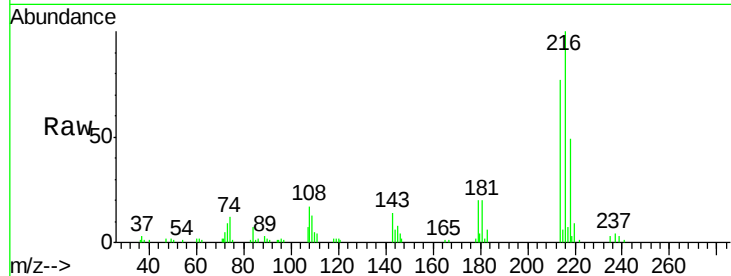
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	216	Resp:	28927
Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	21.3	16.5	24.7
108	18.0	15.1	22.7

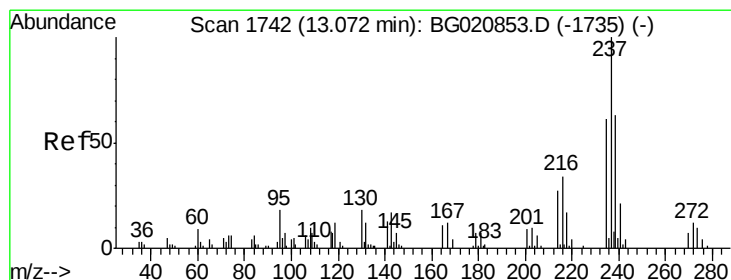
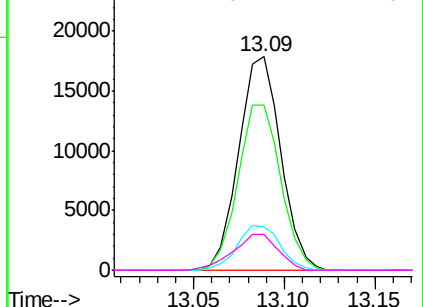
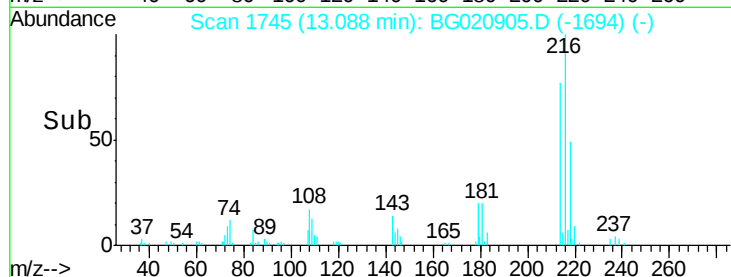


Abundance Ion 216.00 (215.70 to 216.70): E

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: 16.32 ng

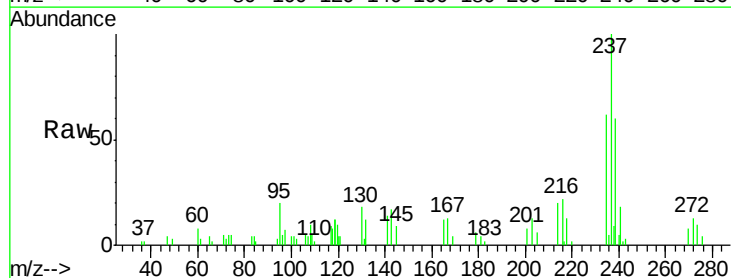
RT: 13.06 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

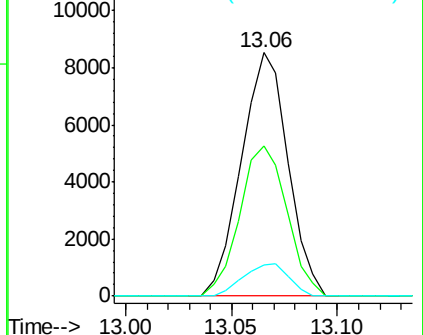
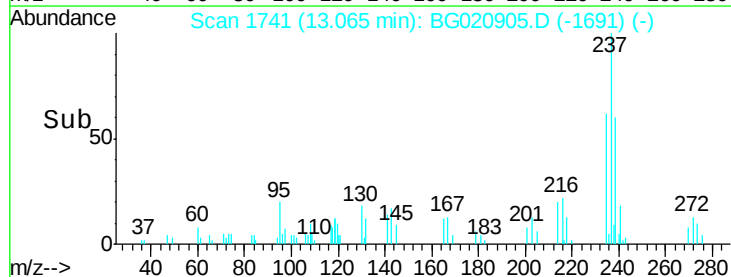
Tgt Ion:	237	Resp:	13020
Ion	Ratio	Lower	Upper
237	100		
235	61.8	40.8	80.8
272	12.7	0.0	32.3

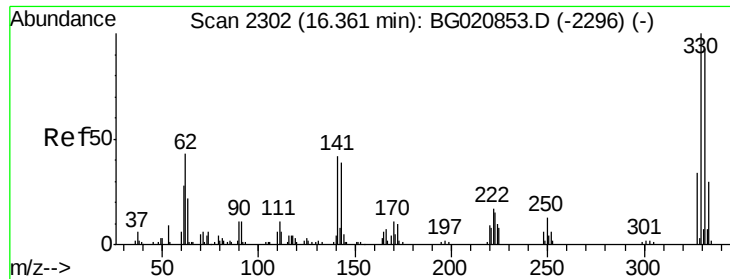


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

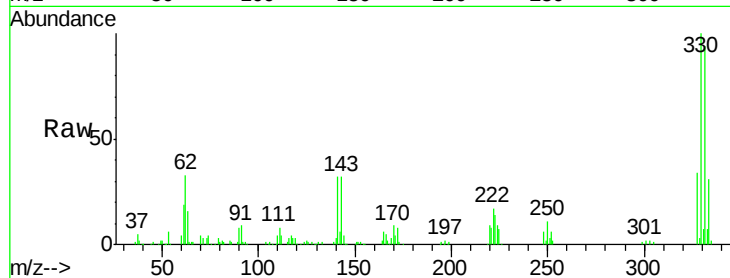




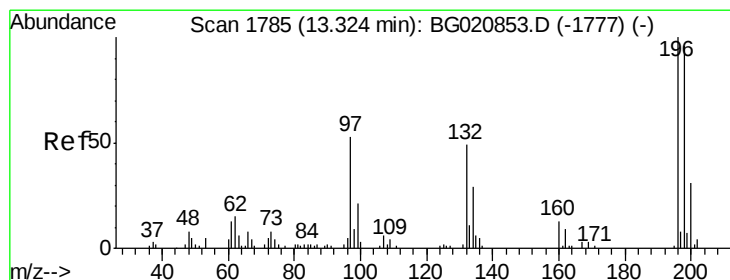
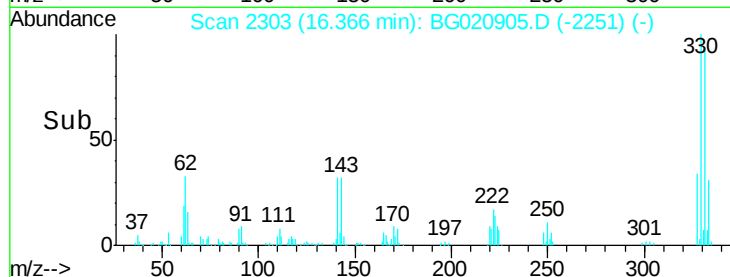
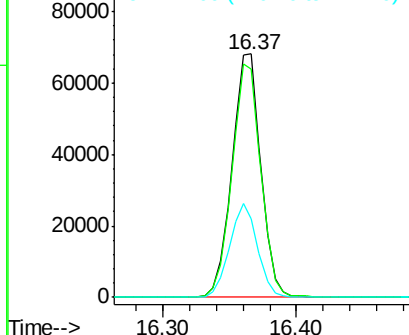
#41
 2,4,6-Tribromophenol
 Concen: 169.04 ng
 RT: 16.37 min Scan# 2303
 Delta R.T. 0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:330 Resp: 102741
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.1 114.1
 141 37.4 32.0 48.0

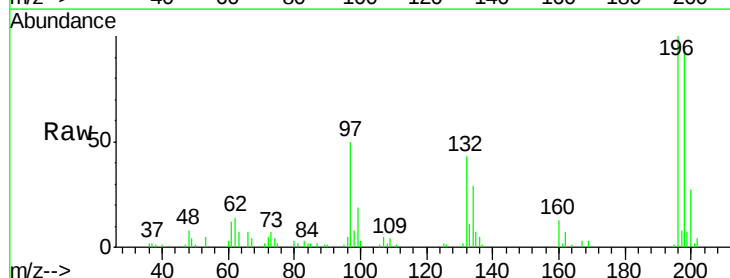


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

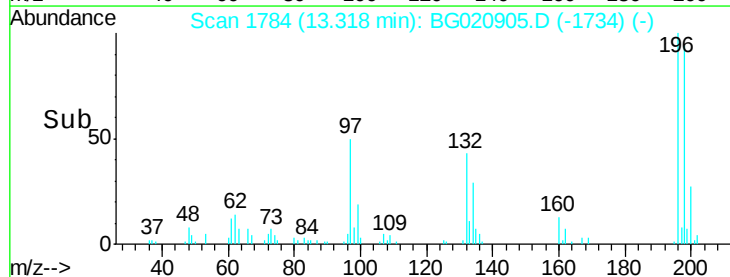
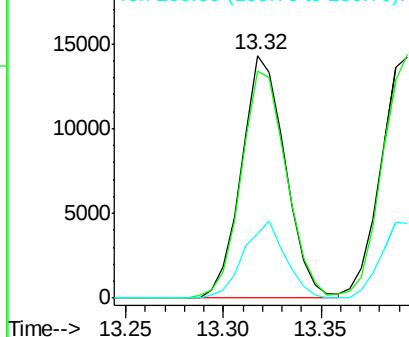


#42
 2,4,6-Trichlorophenol
 Concen: 18.26 ng
 RT: 13.32 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:196 Resp: 22242
 Ion Ratio Lower Upper
 196 100
 198 93.7 77.1 115.7
 200 26.8 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

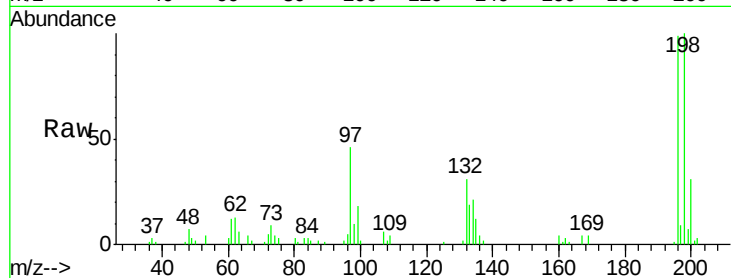




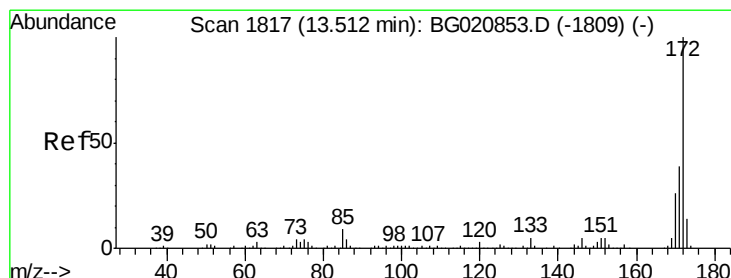
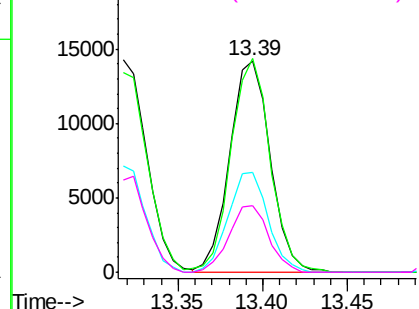
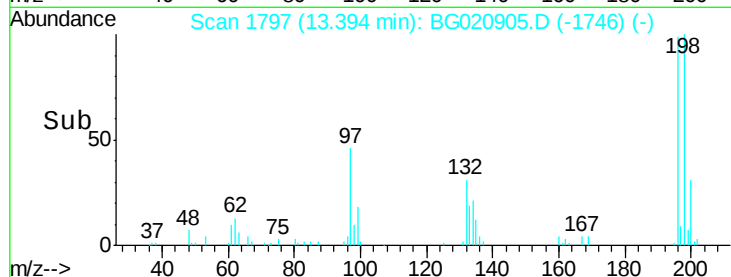
#43
 2,4,5-Trichlorophenol
 Concen: 18.59 ng
 RT: 13.39 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:196 Resp: 23802
 Ion Ratio Lower Upper
 196 100
 198 101.1 76.4 114.6
 97 47.0 37.4 56.0
 132 31.5 24.7 37.1

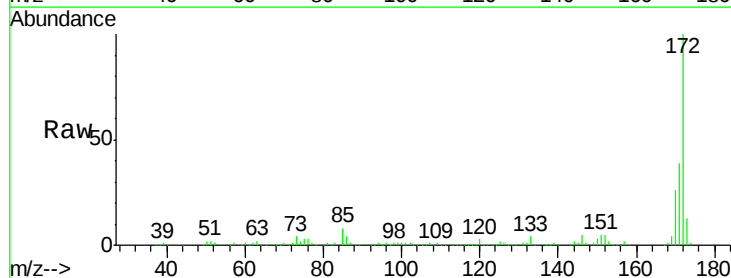


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

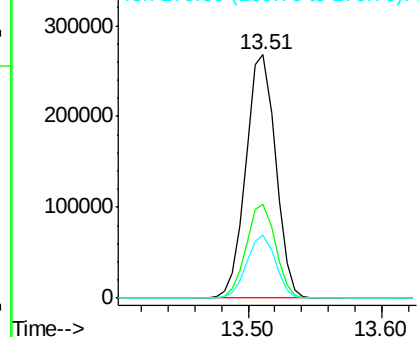
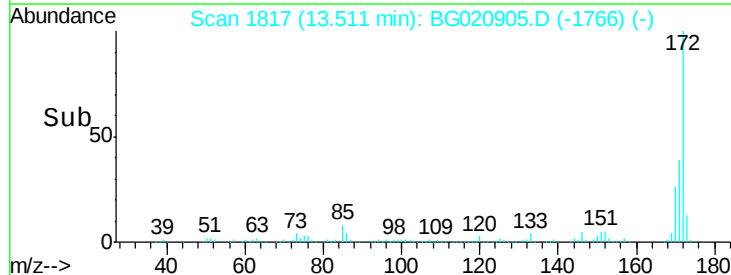


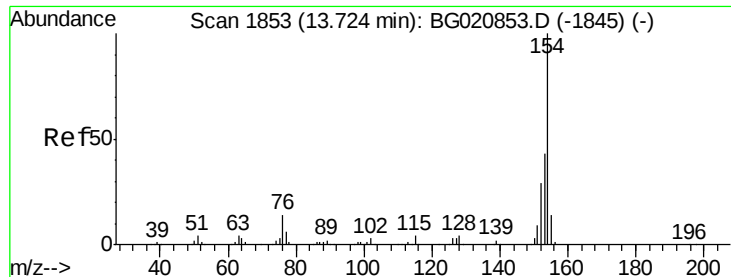
#44
 2-Fluorobiphenyl
 Concen: 93.39 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:172 Resp: 410934
 Ion Ratio Lower Upper
 172 100
 171 38.8 31.2 46.8
 170 26.0 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

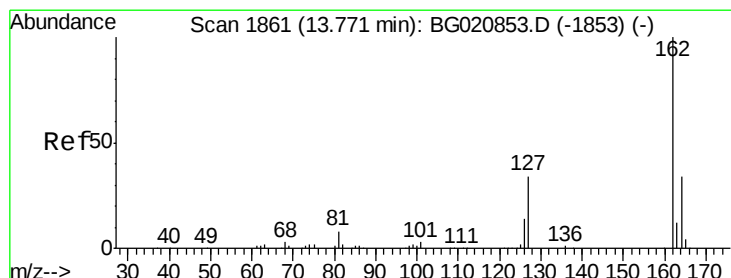
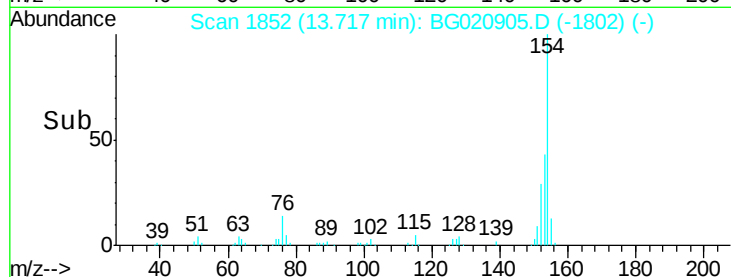
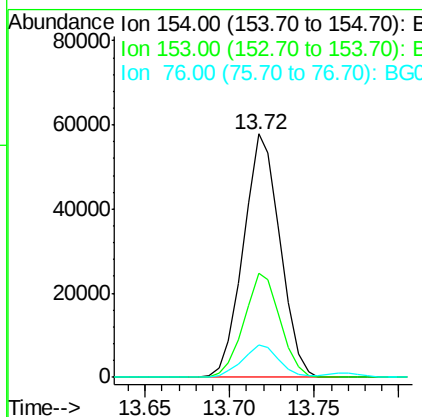
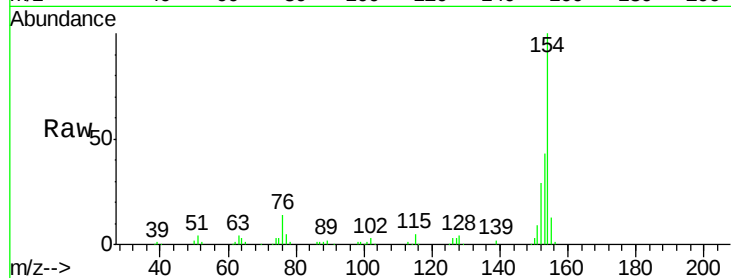




#45
 1,1'-Biphenyl
 Concen: 15.97 ng
 RT: 13.72 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

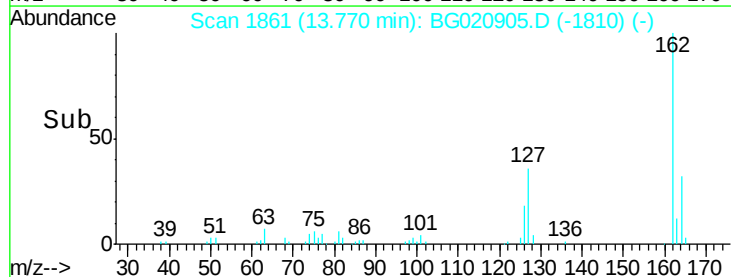
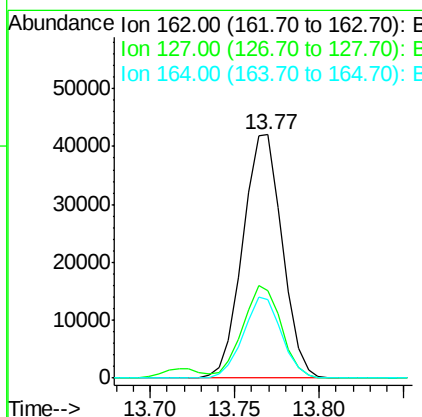
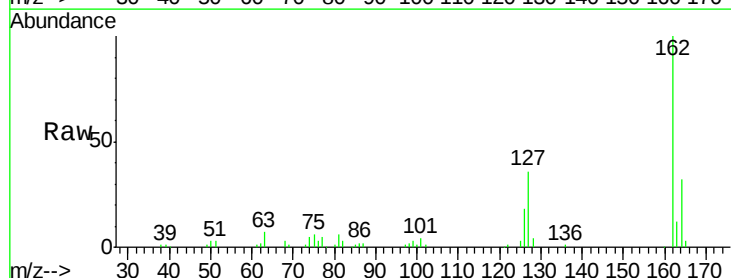
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	22.5	62.5
76	13.5	0.0	33.8



#46
 2-Chloronaphthalene
 Concen: 17.50 ng
 RT: 13.77 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion	Ratio	Lower	Upper
162	100		
127	35.7	30.6	45.8
164	32.2	26.8	40.2

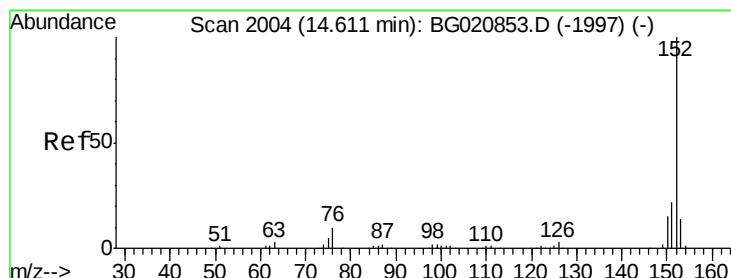
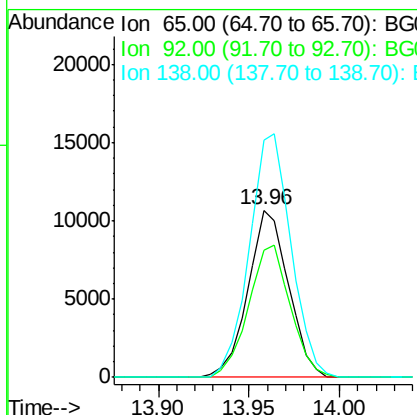
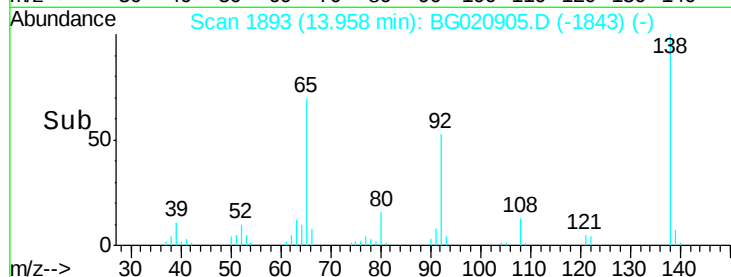
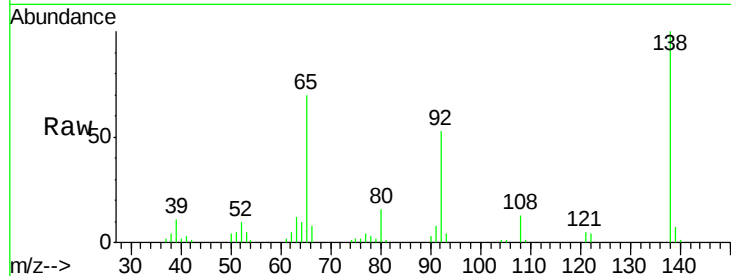




#47
 2-Nitroaniline
 Concen: 17.67 ng
 RT: 13.96 min Scan# 1893
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

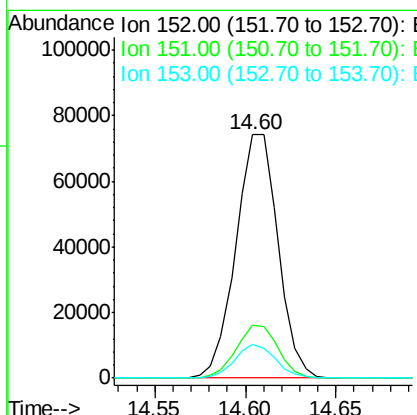
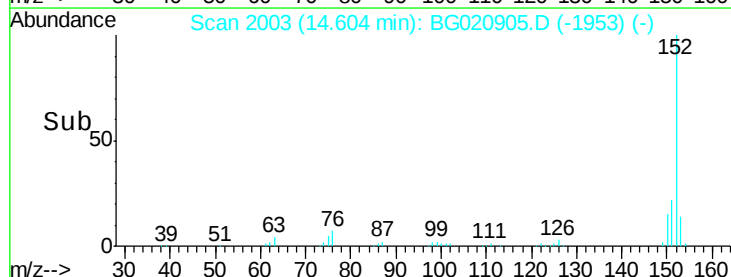
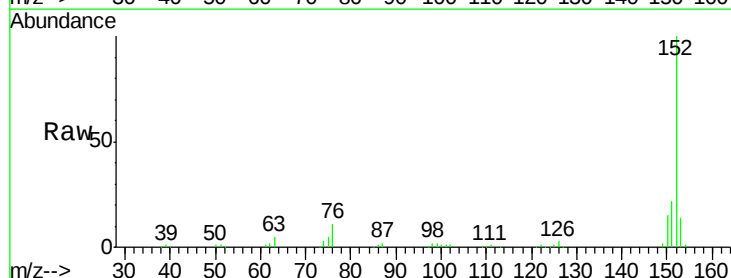
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

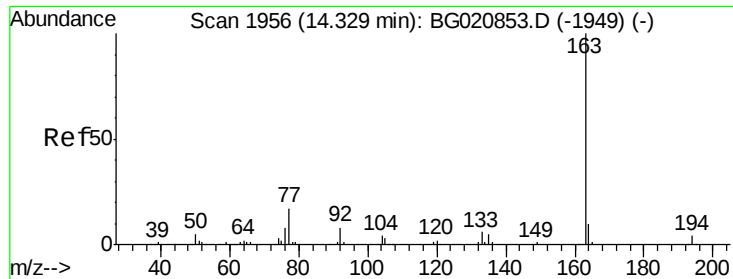
Tgt Ion:	65	Resp:	16521
Ion	Ratio	Lower	Upper
65	100		
92	75.9	65.8	98.8
138	142.1	117.1	175.7



#48
 Acenaphthylene
 Concen: 17.73 ng
 RT: 14.60 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:	152	Resp:	120342
Ion	Ratio	Lower	Upper
152	100		
151	21.7	17.5	26.3
153	13.6	10.9	16.3





#49

Dimethylphthalate

Concen: 18.56 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

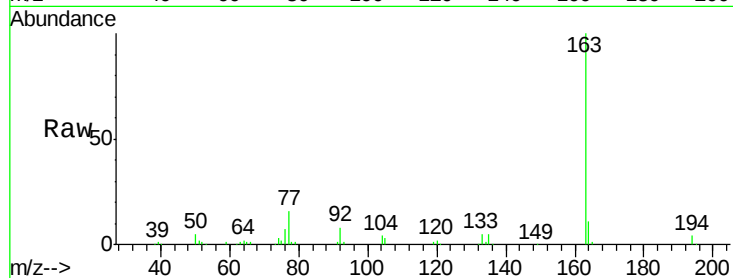
Tgt Ion:163 Resp: 89714

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

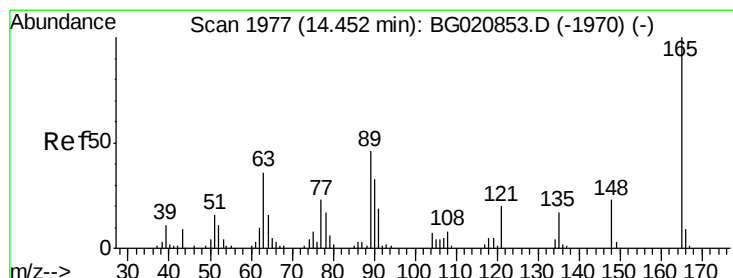
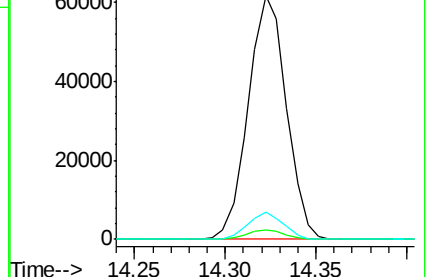
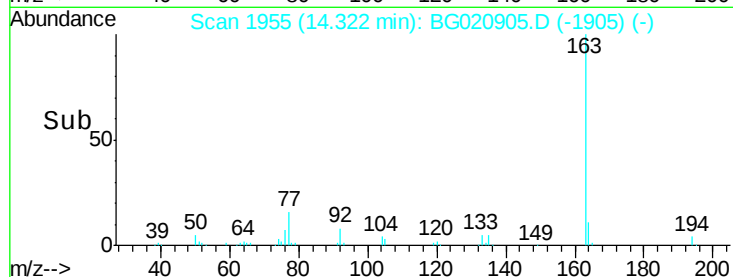
164 11.1 8.3 12.5



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: 18.80 ng

RT: 14.45 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

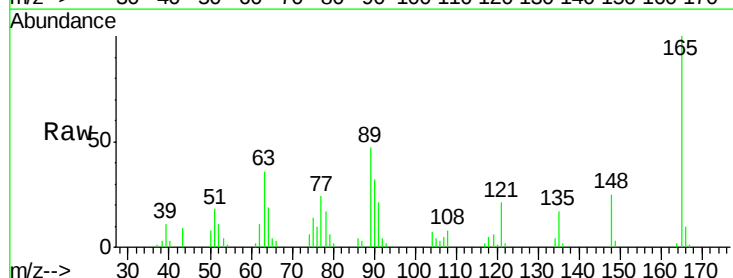
Tgt Ion:165 Resp: 19474

Ion Ratio Lower Upper

165 100

63 35.8 30.3 45.5

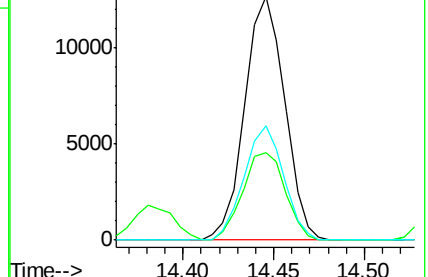
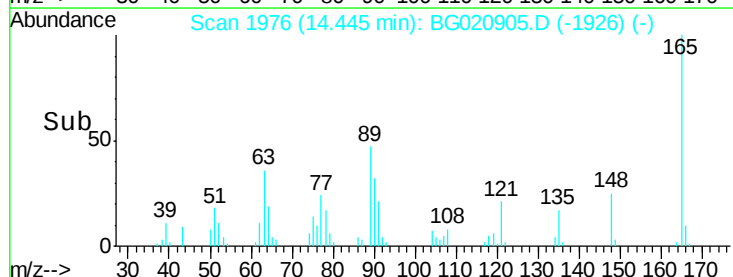
89 47.0 36.9 55.3

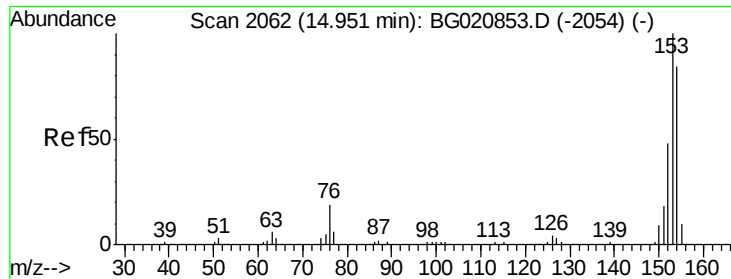


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 17.42 ng

RT: 14.94 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

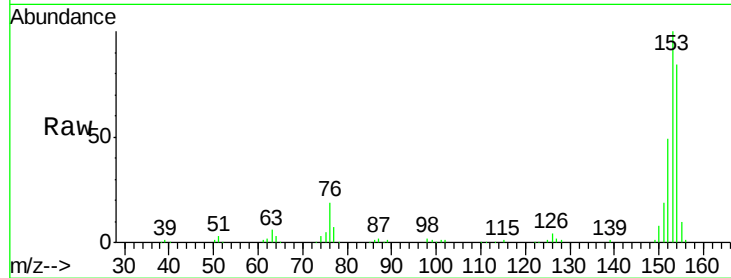
Tgt Ion:154 Resp: 71680

Ion Ratio Lower Upper

154 100

153 118.7 95.4 143.0

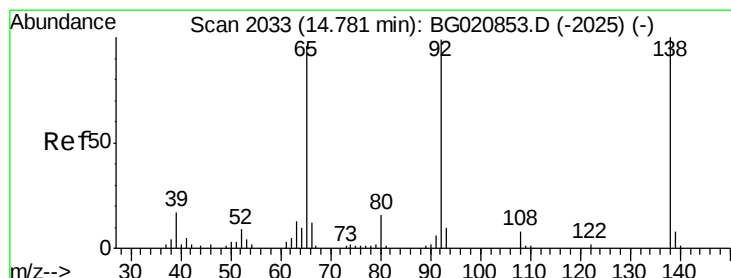
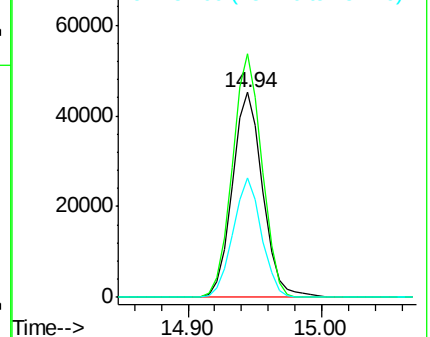
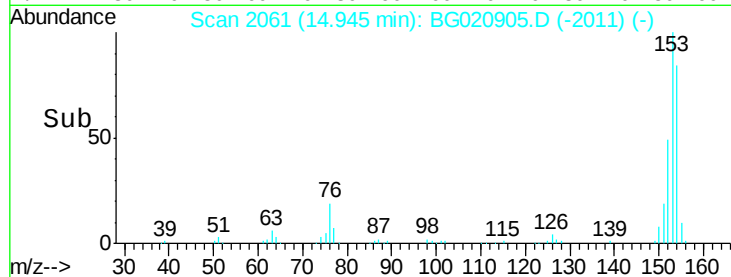
152 58.4 46.1 69.1



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: 19.71 ng

RT: 14.77 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

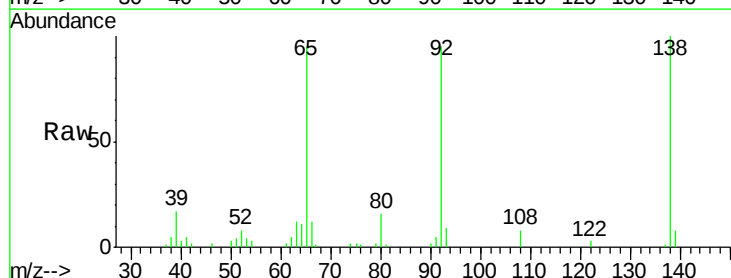
Tgt Ion:138 Resp: 23722

Ion Ratio Lower Upper

138 100

108 8.4 6.2 9.2

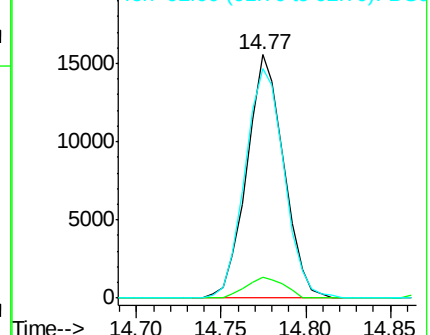
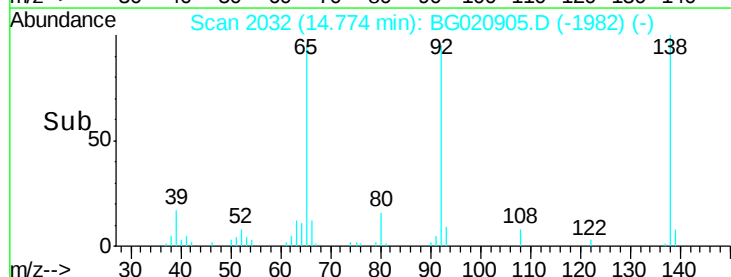
92 94.5 79.5 119.3

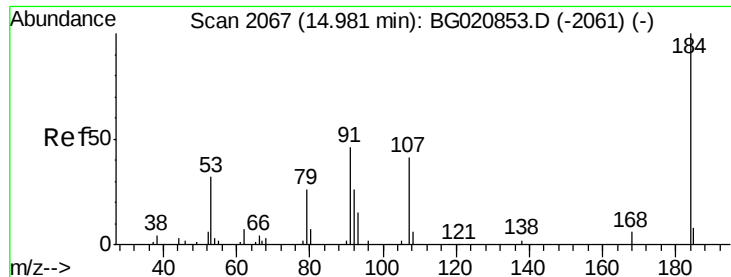


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

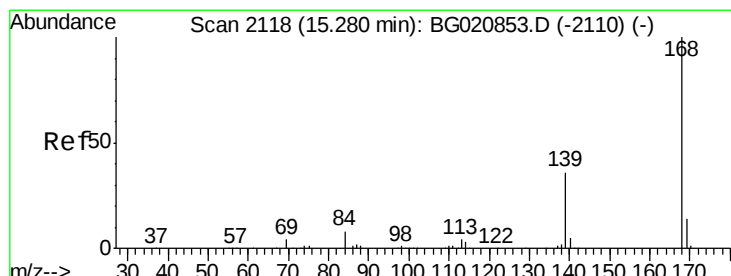
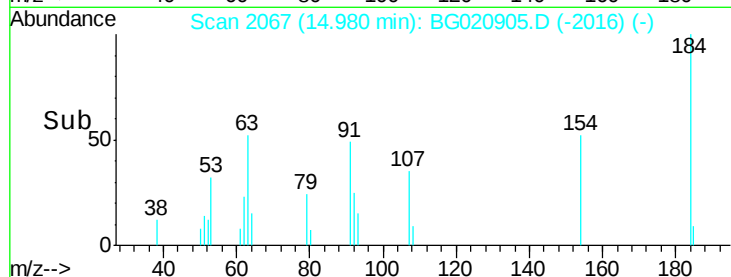
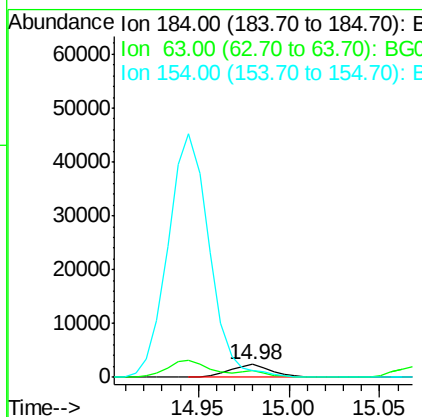
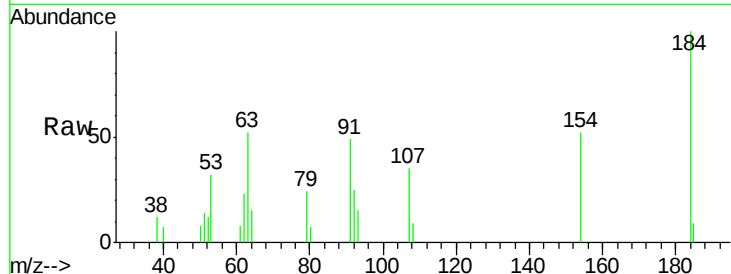




#53
2,4-Dinitrophenol
Concen: 16.22 ng
RT: 14.98 min Scan# 2067
Delta R.T. 0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

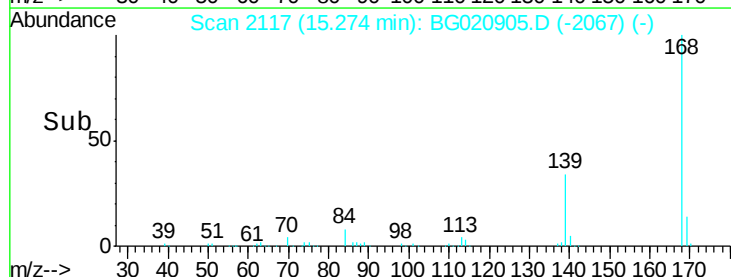
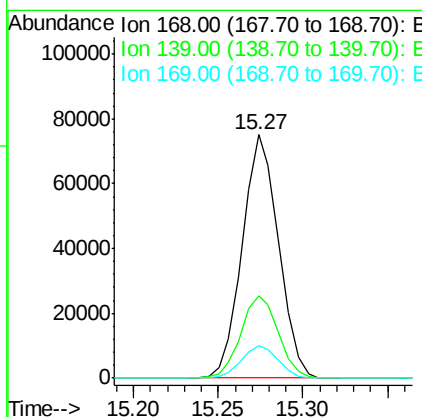
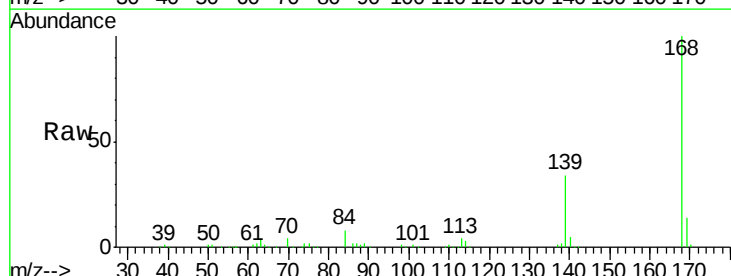
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

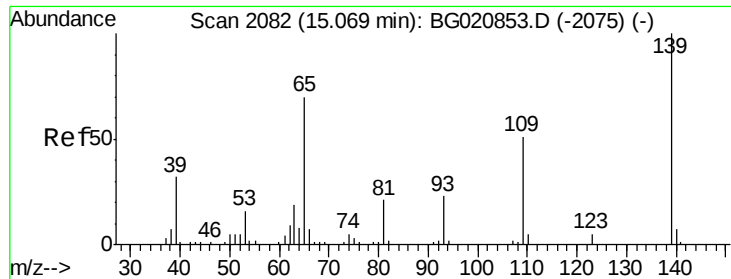
Tgt Ion:184 Resp: 3829
Ion Ratio Lower Upper
184 100
63 51.6 39.8 59.6
154 52.1 48.1 72.1



#54
Dibenzofuran
Concen: 20.54 ng
RT: 15.27 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:168 Resp: 111799
Ion Ratio Lower Upper
168 100
139 33.7 28.5 42.7
169 13.5 11.0 16.4

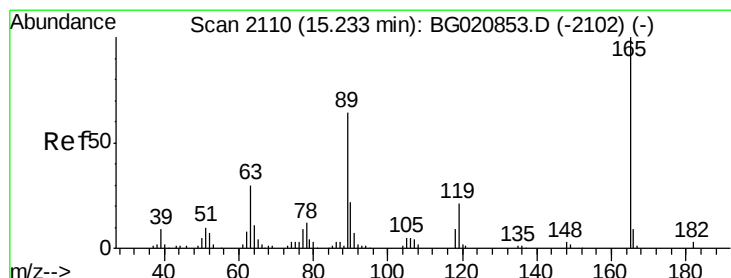
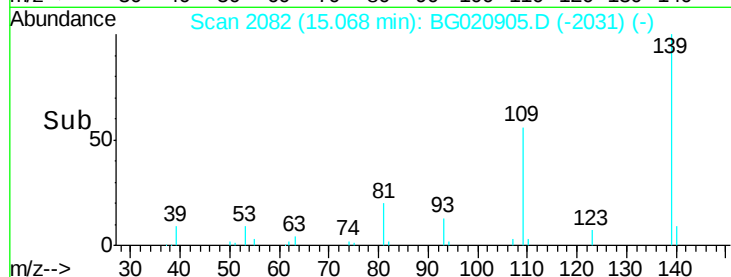
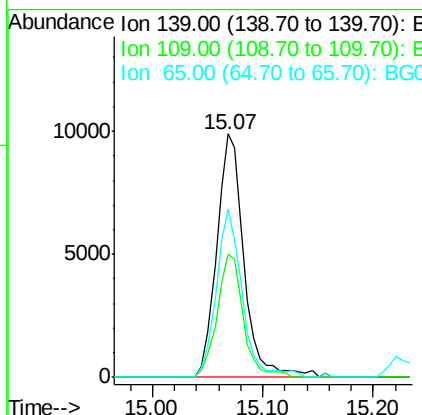
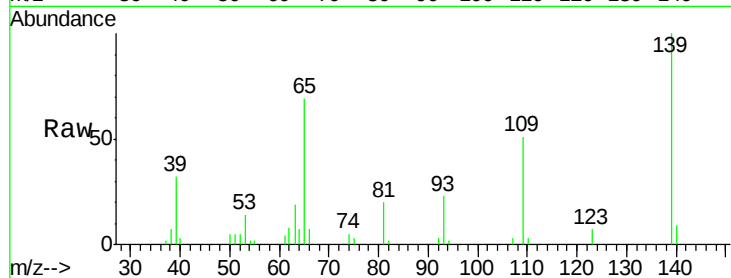




#55
4-Nitrophenol
Concen: 18.58 ng
RT: 15.07 min Scan# 2082
Delta R.T. -0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

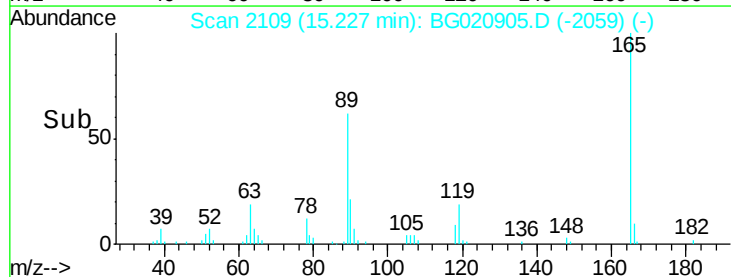
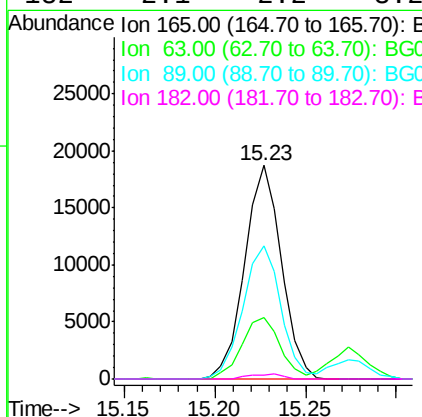
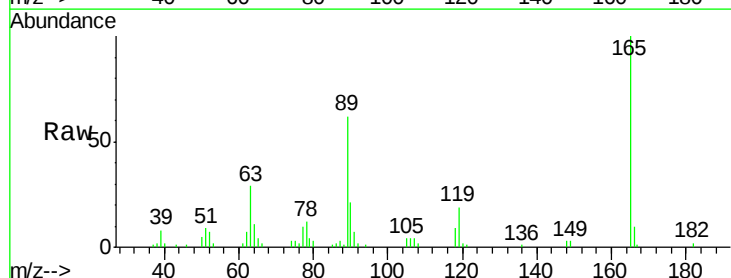
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

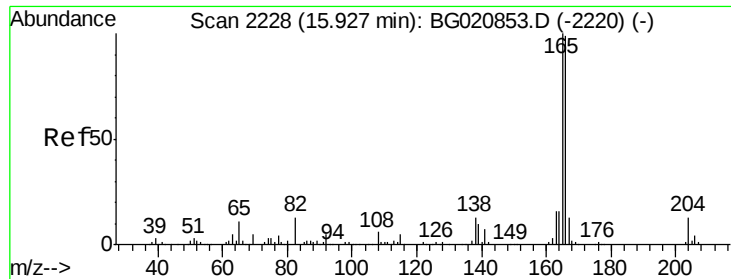
Tgt Ion:139 Resp: 16887
Ion Ratio Lower Upper
139 100
109 50.7 31.0 71.0
65 69.2 49.6 89.6



#56
2,4-Dinitrotoluene
Concen: 19.78 ng
RT: 15.23 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:165 Resp: 26476
Ion Ratio Lower Upper
165 100
63 29.0 23.7 35.5
89 62.4 50.9 76.3
182 2.1 2.2 3.2#





#57

Fluorene

Concen: 18.72 ng

RT: 15.92 min Scan# 2227

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

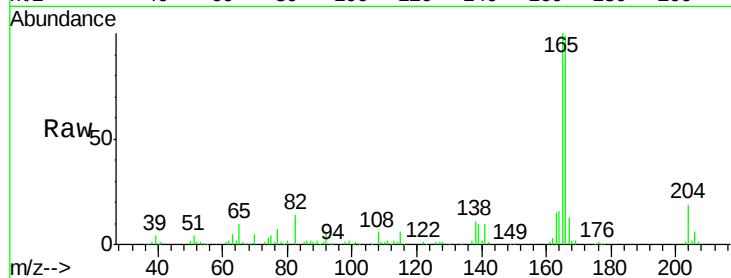
Tgt Ion:166 Resp: 93856

Ion Ratio Lower Upper

166 100

165 100.6 81.0 121.4

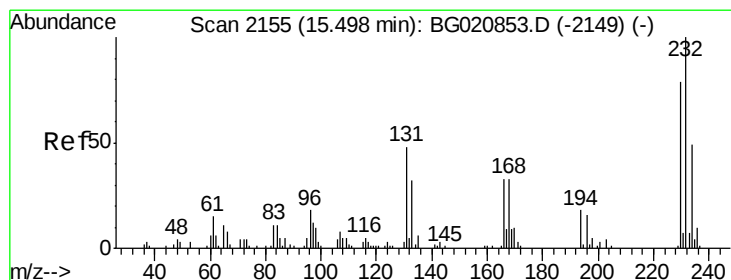
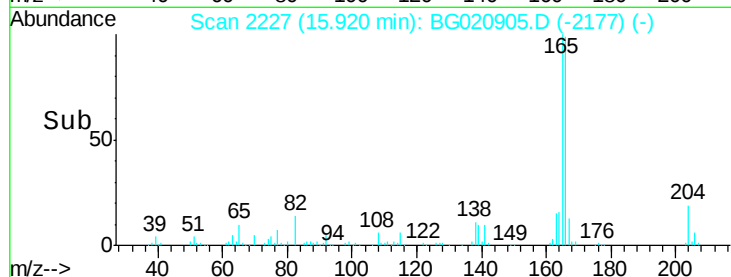
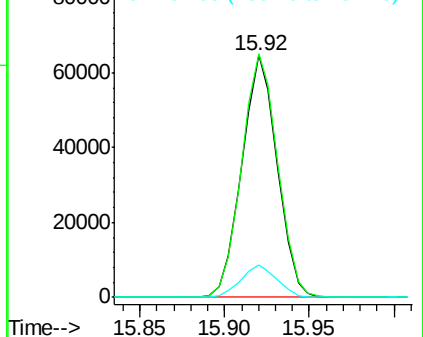
167 13.4 10.8 16.2



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: 21.17 ng

RT: 15.50 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Tgt Ion:232 Resp: 20653

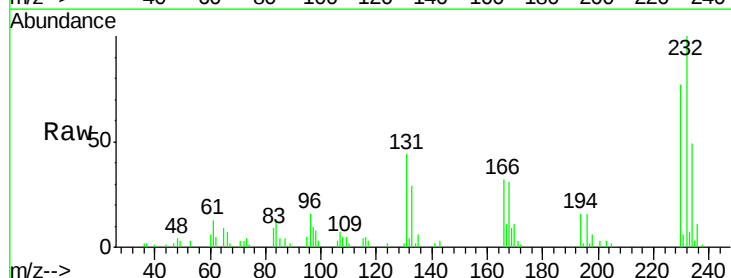
Ion Ratio Lower Upper

232 100

131 46.3 39.2 58.8

130 1.6 2.0 3.0#

166 32.2 25.8 38.8

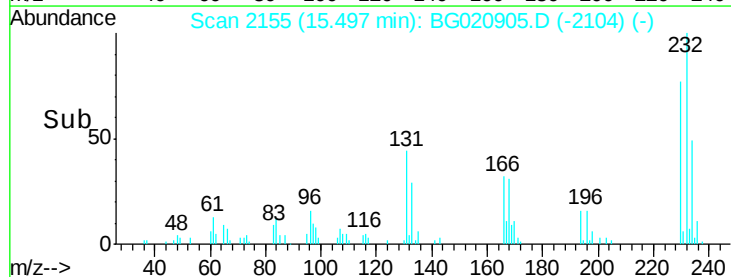
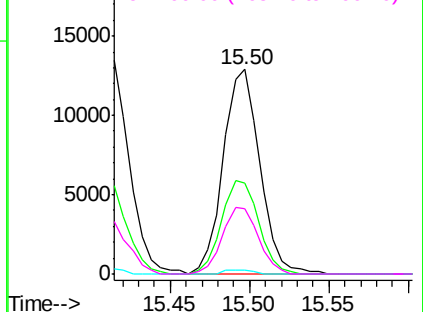


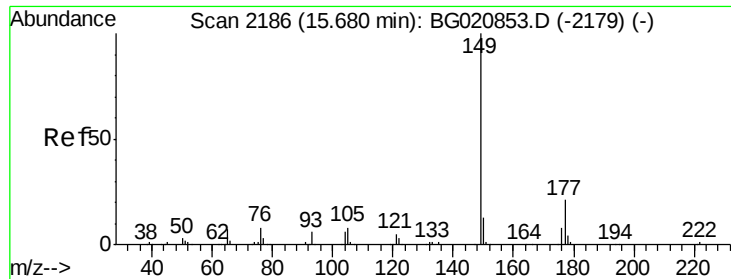
Abundance Ion 232.00 (231.70 to 232.70): E

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: 19.03 ng

RT: 15.67 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

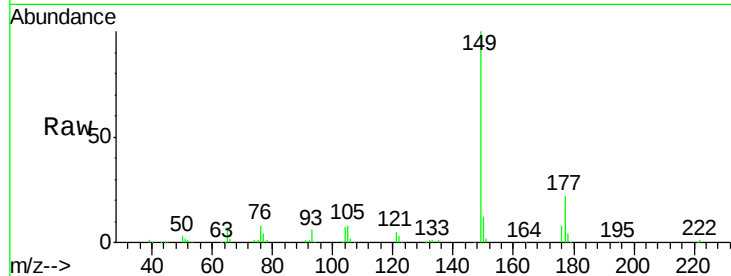
Tgt Ion:149 Resp: 94551

Ion Ratio Lower Upper

149 100

177 21.5 16.9 25.3

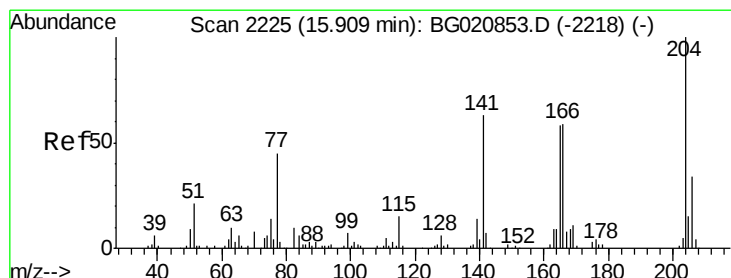
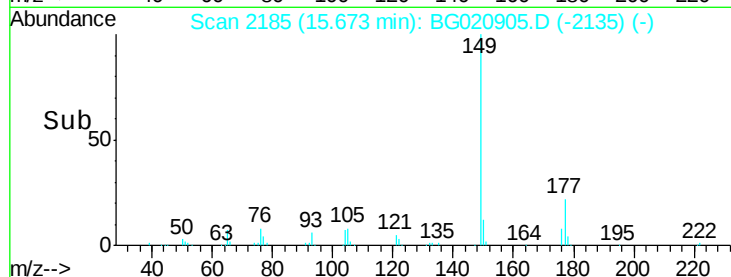
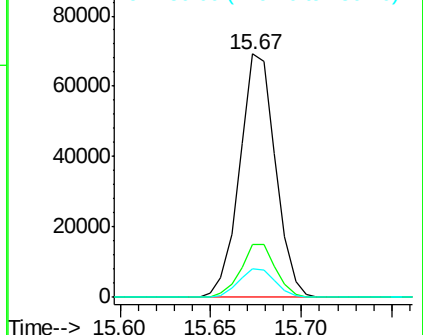
150 12.0 10.1 15.1



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: 18.41 ng

RT: 15.91 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

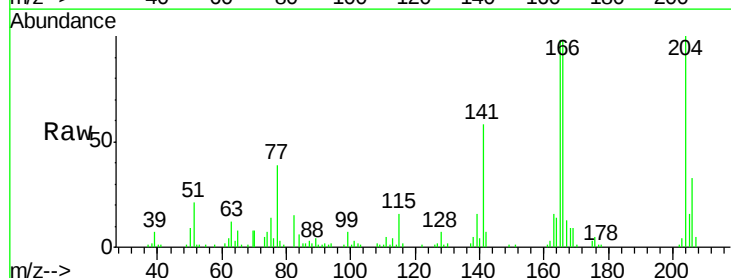
Tgt Ion:204 Resp: 40981

Ion Ratio Lower Upper

204 100

206 32.9 26.9 40.3

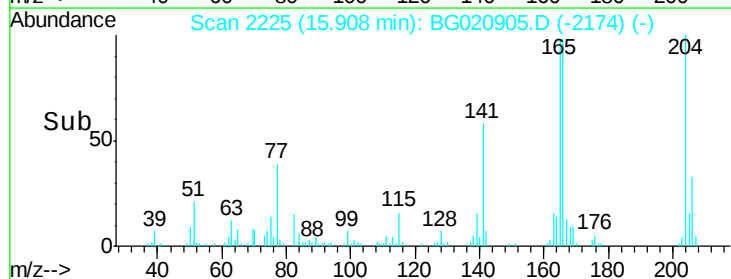
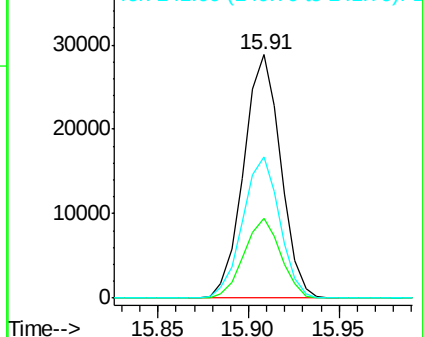
141 58.0 50.3 75.5

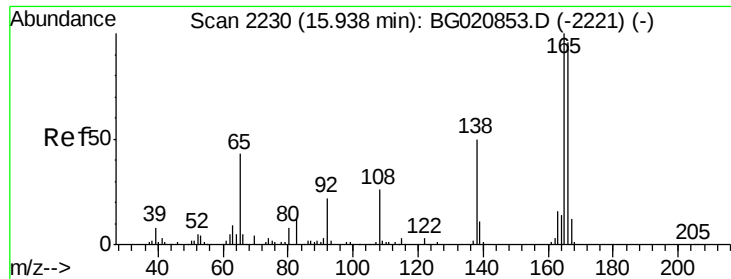


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

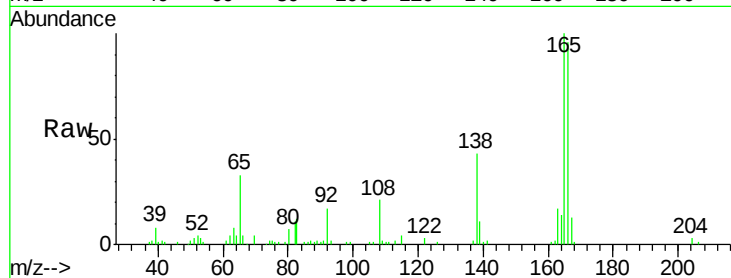




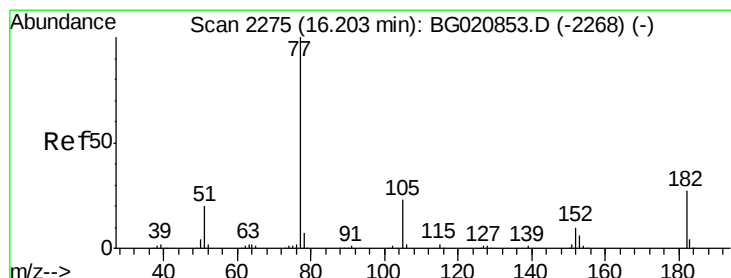
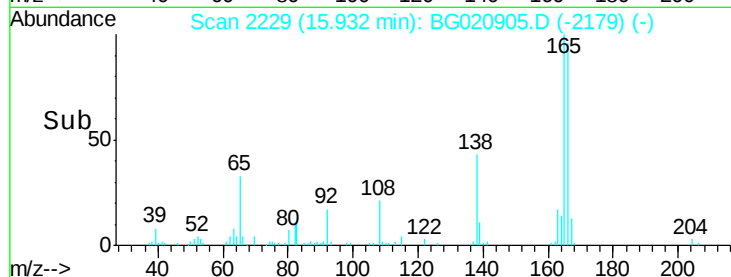
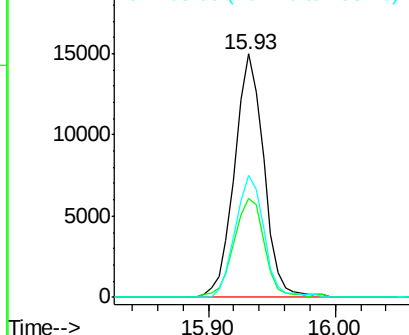
#61
4-Nitroaniline
Concen: 19.89 ng
RT: 15.93 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

Tgt Ion: 138 Resp: 24027
Ion Ratio Lower Upper
138 100
92 40.7 24.1 64.1
108 49.9 32.4 72.4

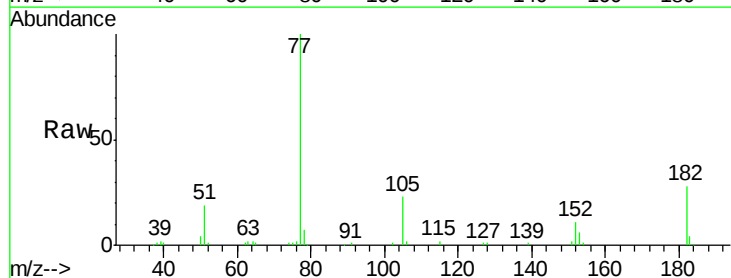


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

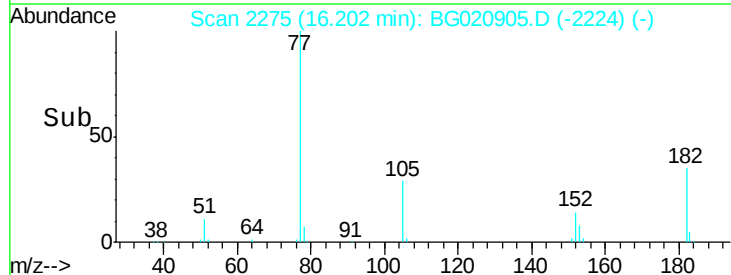
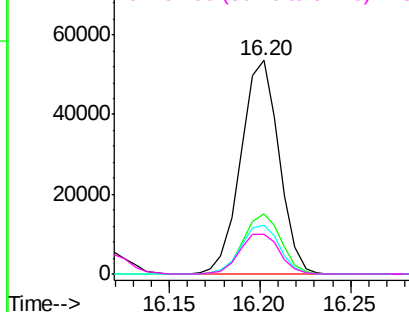


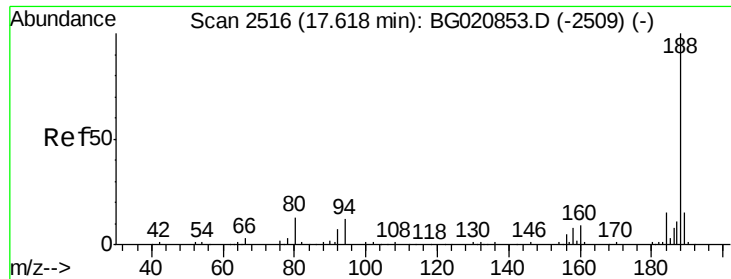
#62
Azobenzene
Concen: 20.15 ng
RT: 16.20 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion: 77 Resp: 78730
Ion Ratio Lower Upper
77 100
182 28.1 6.8 46.8
105 23.1 3.4 43.4
51 18.8 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

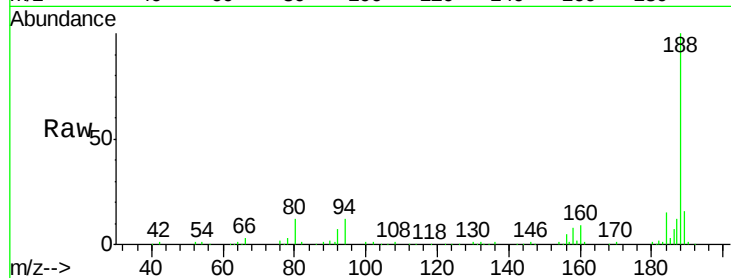




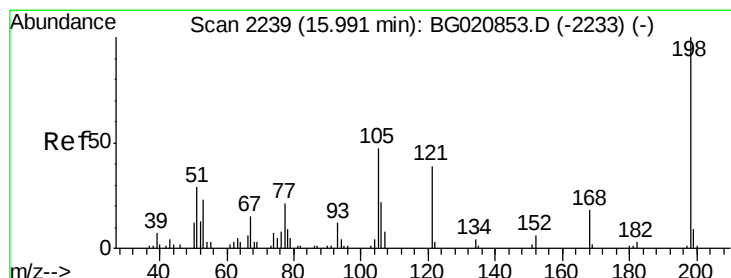
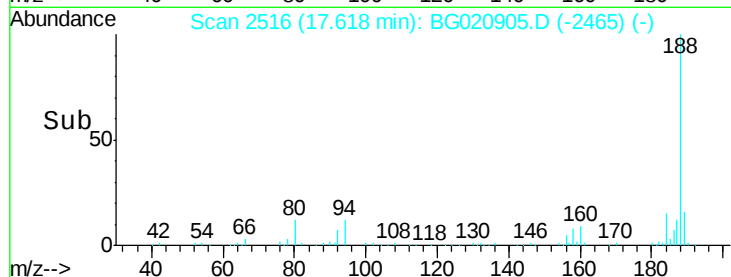
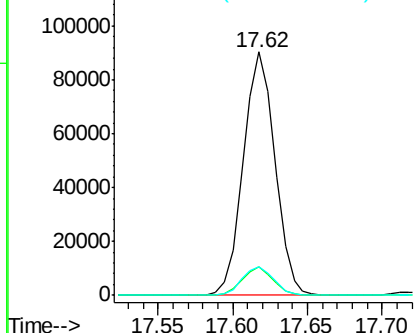
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:188 Resp: 132118
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.0
 80 11.9 10.2 15.4

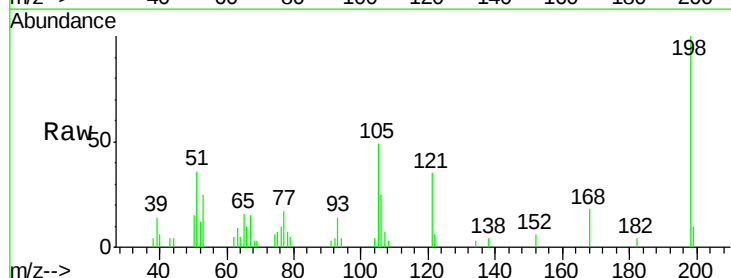


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

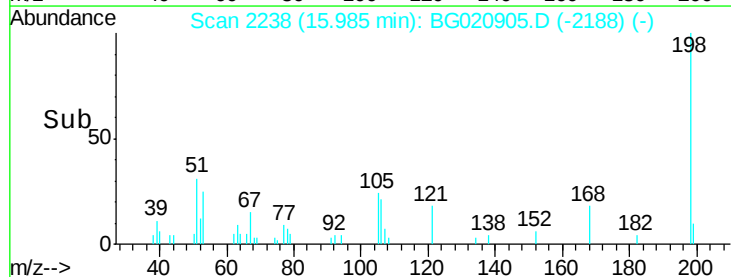
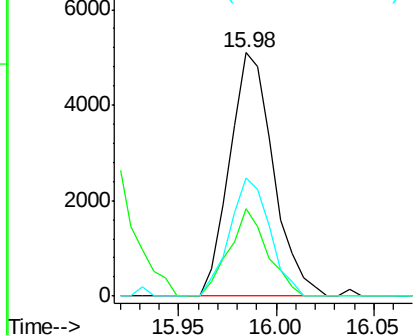


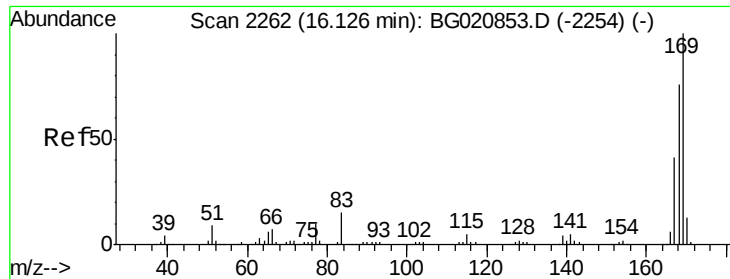
#64
 4,6-Dinitro-2-methylphenol
 Concen: 15.90 ng
 RT: 15.98 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:198 Resp: 7881
 Ion Ratio Lower Upper
 198 100
 51 36.1 10.6 50.6
 105 48.8 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

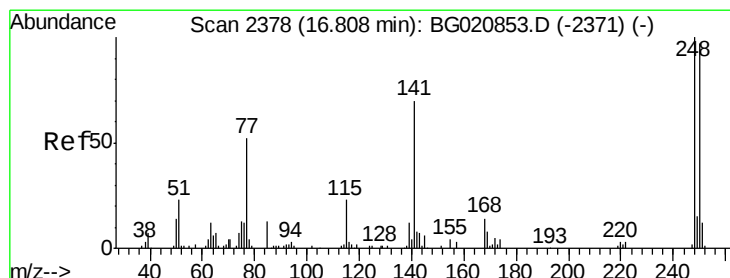
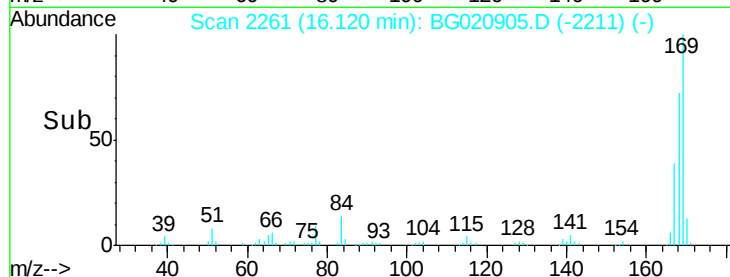
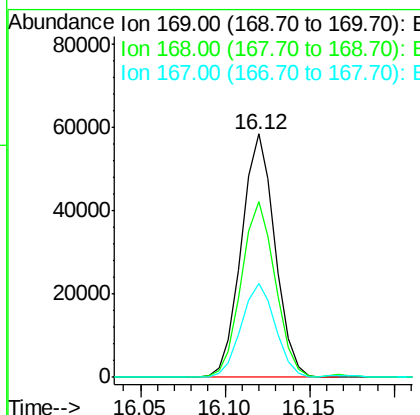
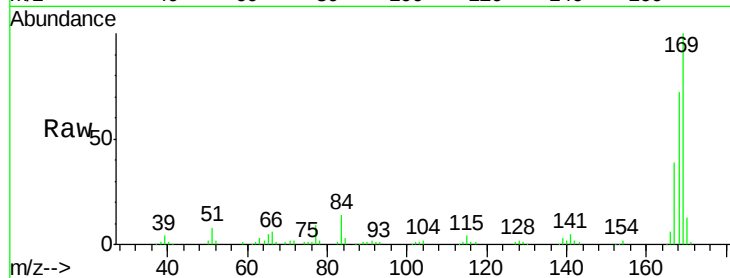




#65
 n-Nitrosodiphenylamine
 Concen: 18.90 ng
 RT: 16.12 min Scan# 2261
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

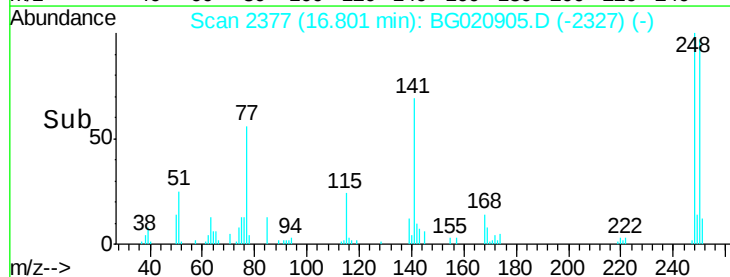
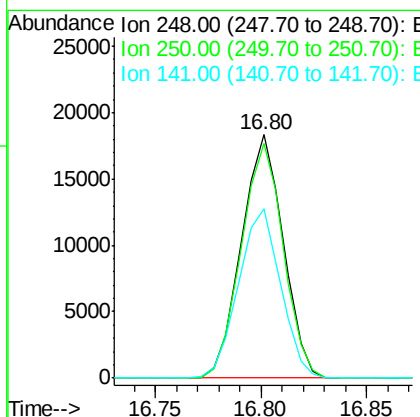
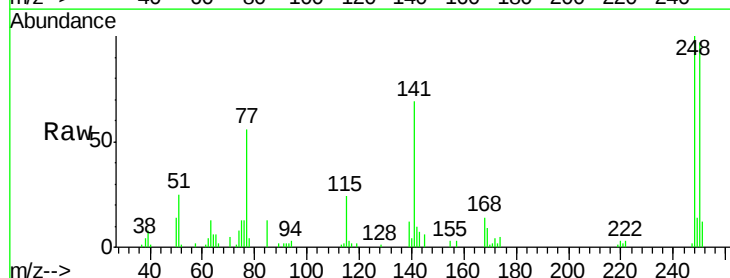
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

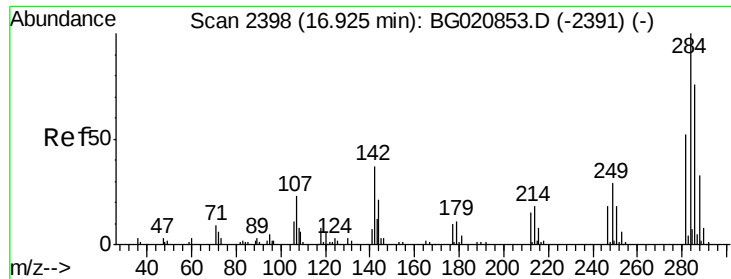
Tgt Ion:169 Resp: 80678
 Ion Ratio Lower Upper
 169 100
 168 72.3 60.7 91.1
 167 38.7 32.8 49.2



#66
 4-Bromophenyl-phenylether
 Concen: 18.04 ng
 RT: 16.80 min Scan# 2377
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:248 Resp: 25171
 Ion Ratio Lower Upper
 248 100
 250 96.6 77.4 116.2
 141 69.4 55.7 83.5





#67

Hexachlorobenzene

Concen: 18.55 ng

RT: 16.92 min Scan# 2397

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

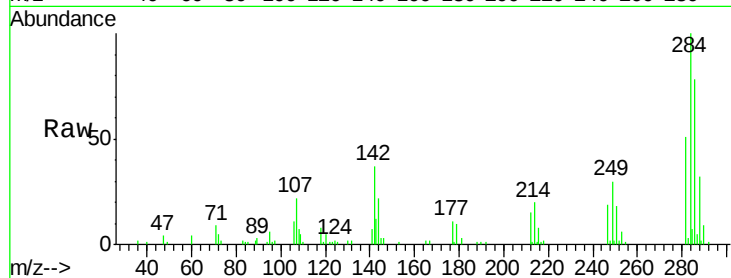
Tgt Ion:284 Resp: 27537

Ion Ratio Lower Upper

284 100

142 37.4 29.9 44.9

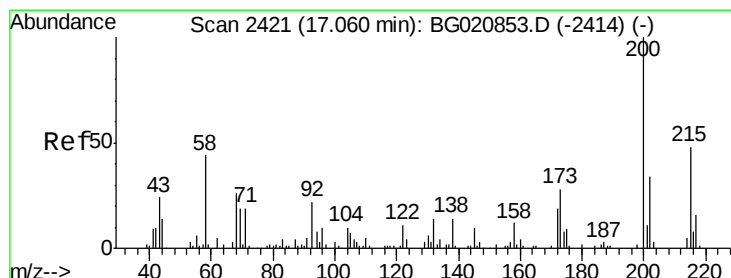
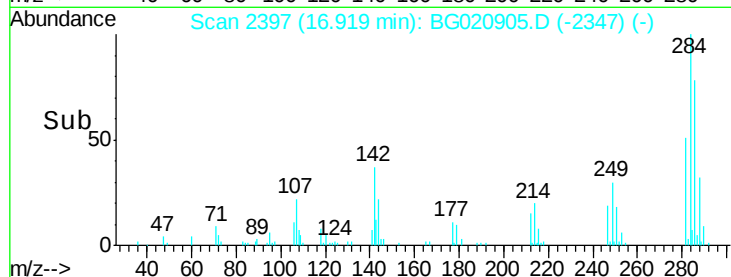
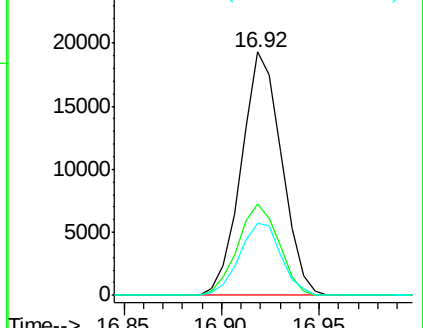
249 29.8 23.3 34.9



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: 20.56 ng

RT: 17.05 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

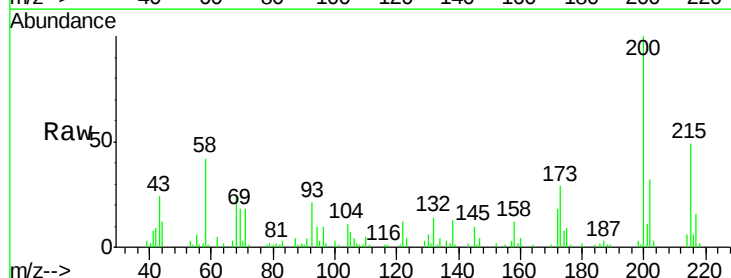
Tgt Ion:200 Resp: 26638

Ion Ratio Lower Upper

200 100

173 28.7 8.4 48.4

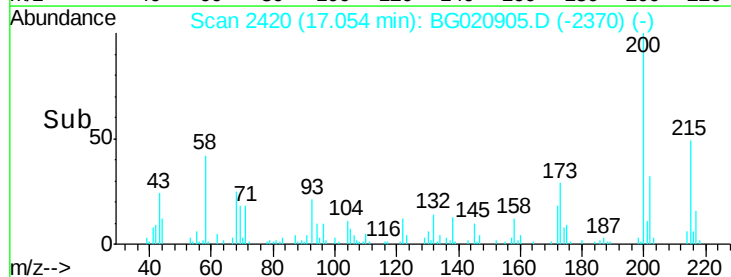
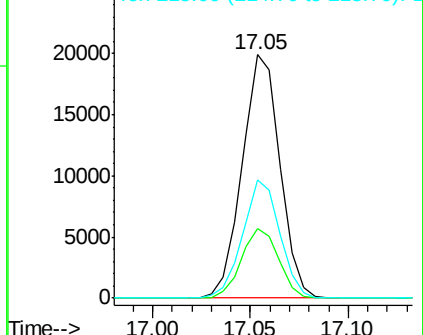
215 48.7 28.2 68.2

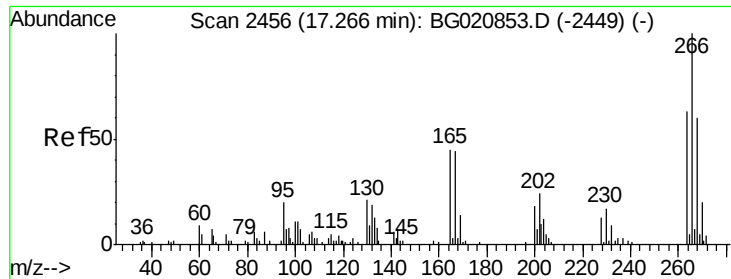


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 13.70 ng

RT: 17.26 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

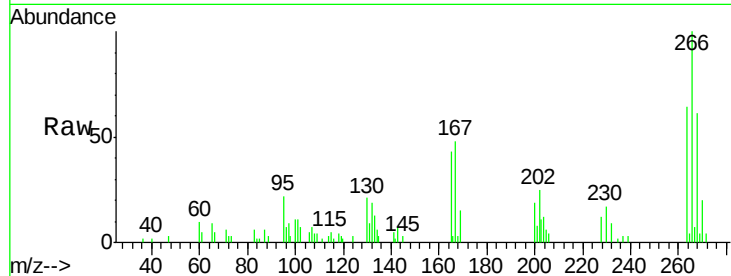
Tgt Ion:266 Resp: 11660

Ion Ratio Lower Upper

266 100

268 61.3 47.8 71.6

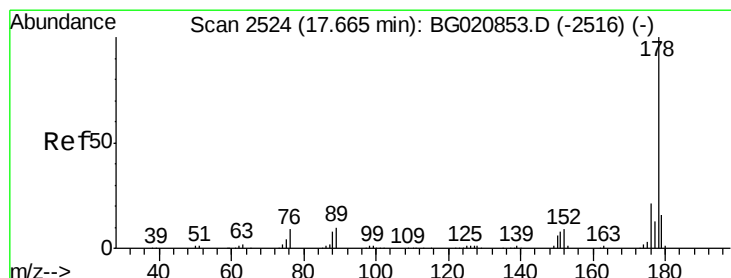
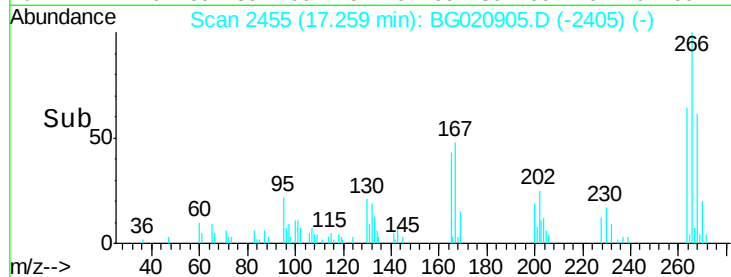
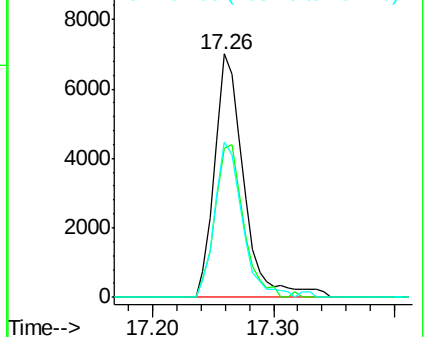
264 63.7 50.2 75.4



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: 19.27 ng

RT: 17.66 min Scan# 2523

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

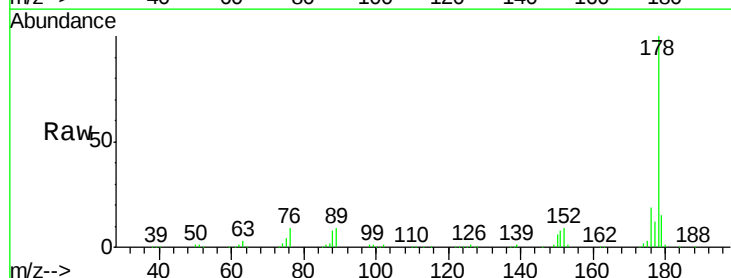
Tgt Ion:178 Resp: 144926

Ion Ratio Lower Upper

178 100

176 19.5 16.8 25.2

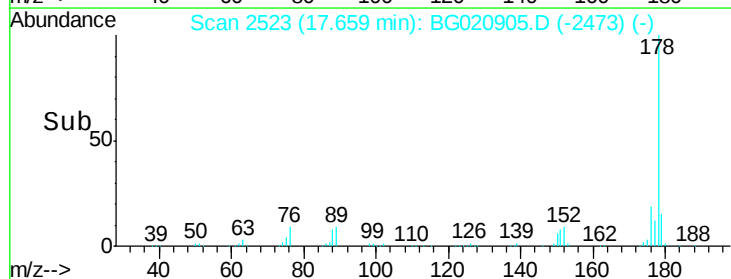
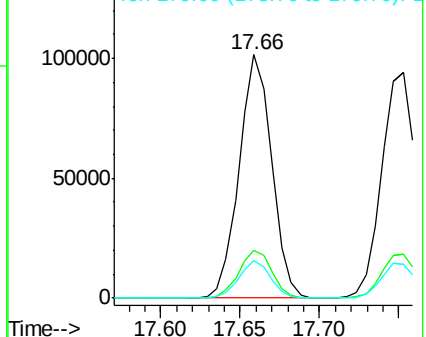
179 15.3 12.6 19.0

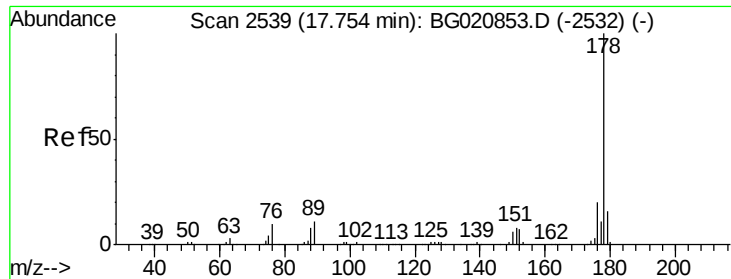


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

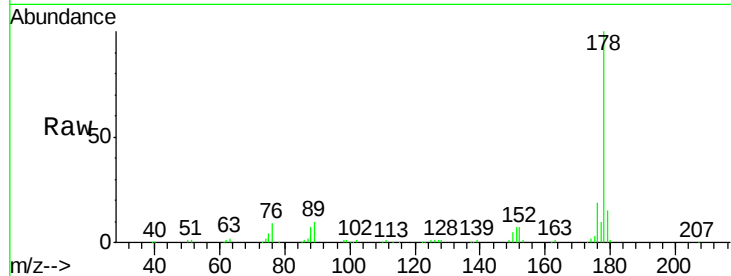




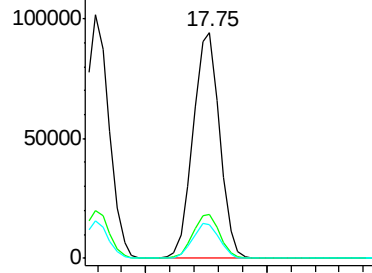
#71
 Anthracene
 Concen: 18.81 ng
 RT: 17.75 min Scan# 2539
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

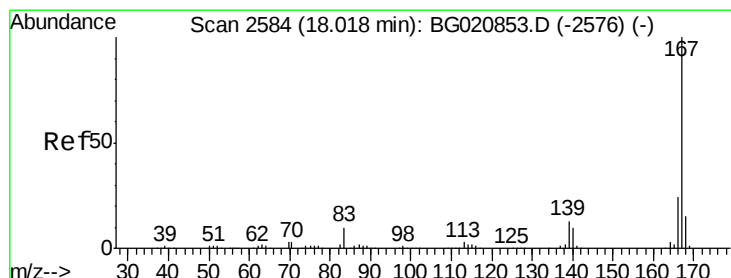
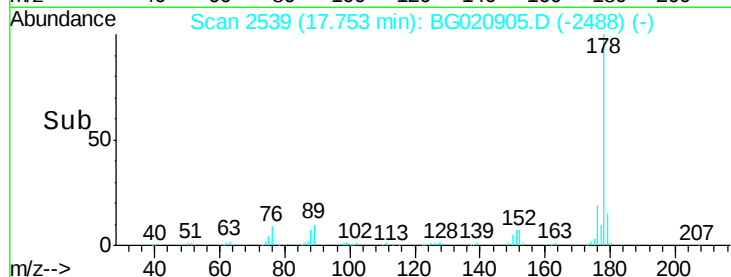
Tgt Ion:178 Resp: 143597
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 14.9 12.7 19.1



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

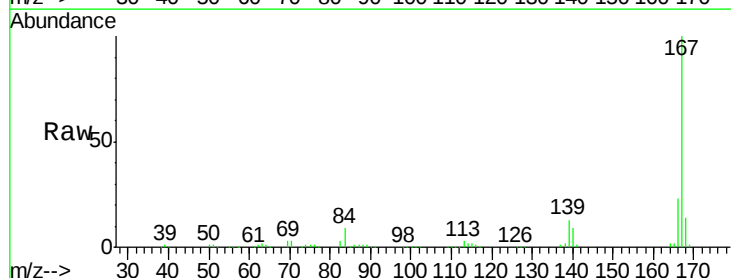


Time-->

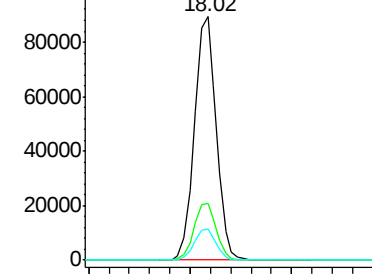


#72
 Carbazole
 Concen: 19.42 ng
 RT: 18.02 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

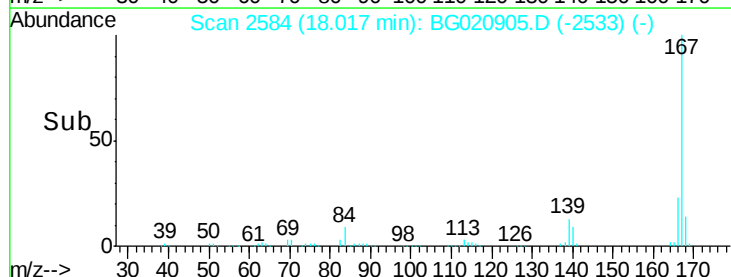
Tgt Ion:167 Resp: 133082
 Ion Ratio Lower Upper
 167 100
 166 23.2 19.3 28.9
 139 12.6 10.2 15.4

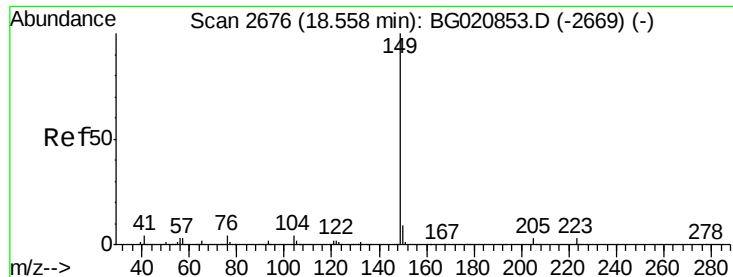


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



Time-->

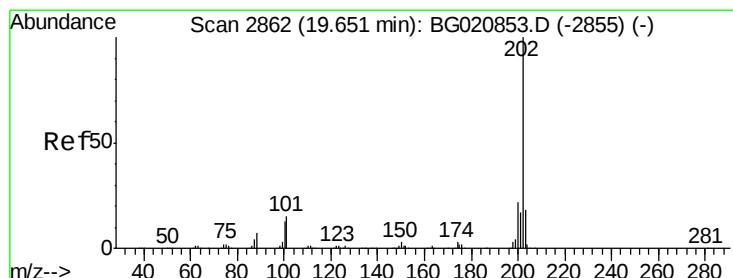
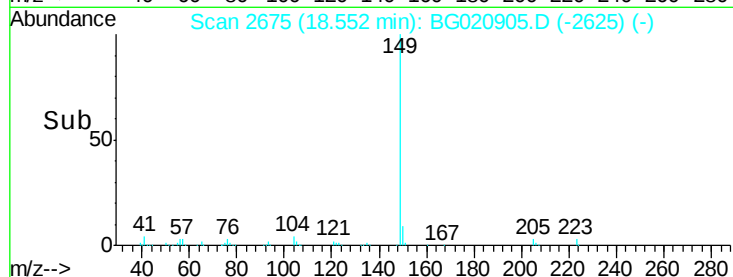
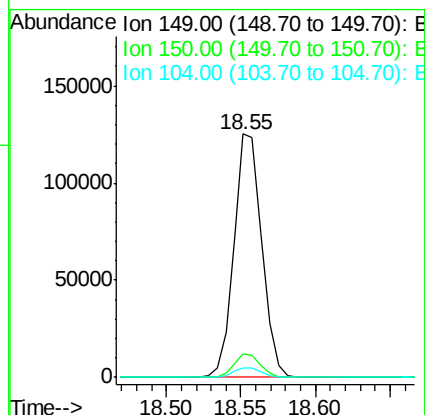
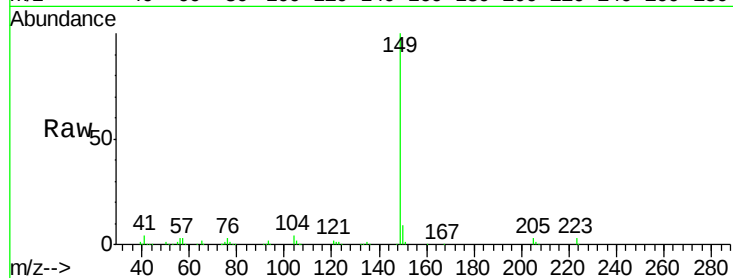




#73
Di-n-butylphthalate
Concen: 18.58 ng
RT: 18.55 min Scan# 2675
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

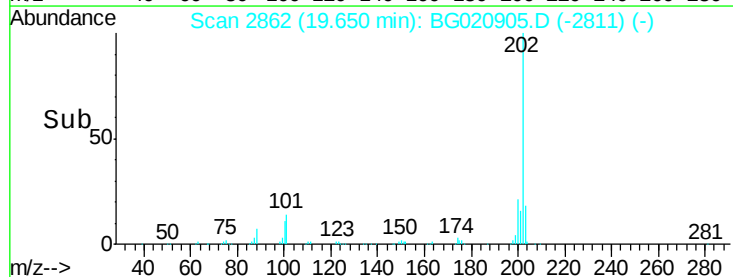
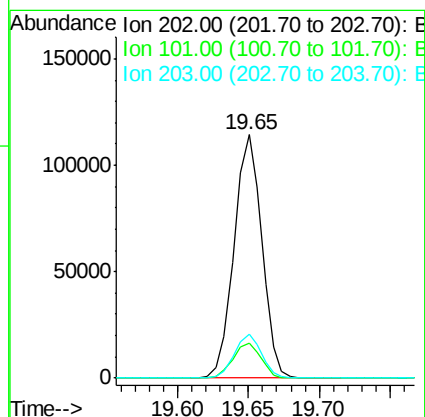
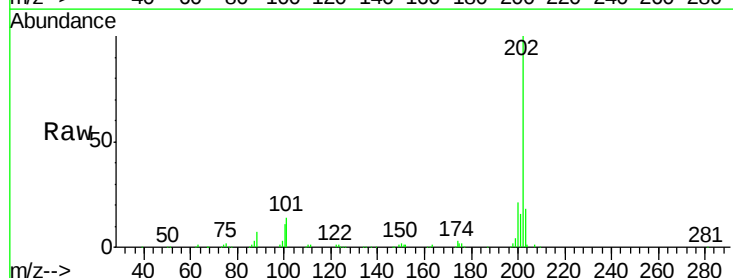
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

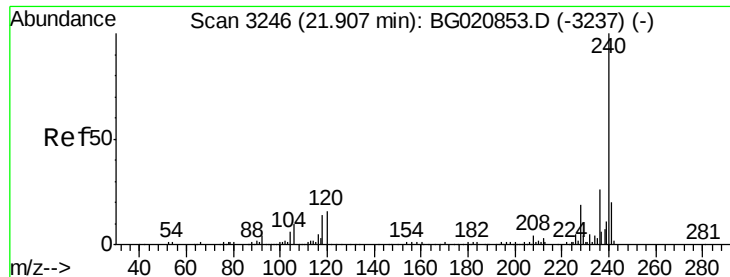
Tgt Ion:149 Resp: 163237
Ion Ratio Lower Upper
149 100
150 9.4 7.6 11.4
104 3.8 3.4 5.0



#74
Fluoranthene
Concen: 19.25 ng
RT: 19.65 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:202 Resp: 156404
Ion Ratio Lower Upper
202 100
101 14.1 0.0 35.3
203 18.2 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

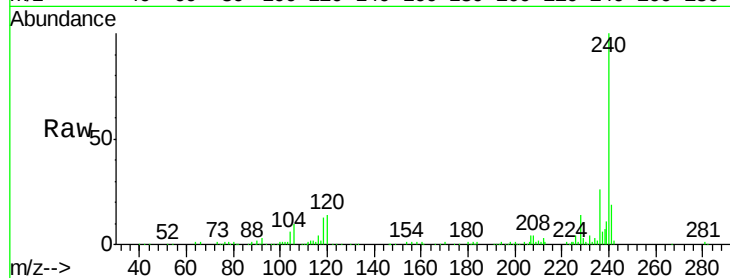
Tgt Ion:240 Resp: 127907

Ion Ratio Lower Upper

240 100

120 14.0 13.0 19.4

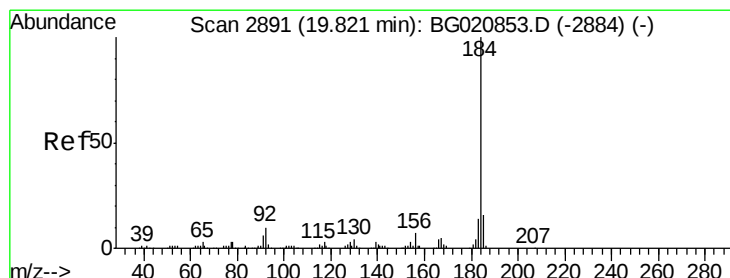
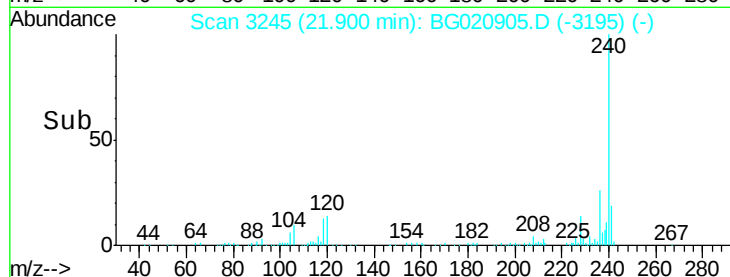
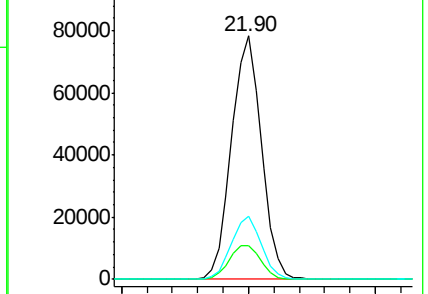
236 25.9 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.66 ng

RT: 19.82 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

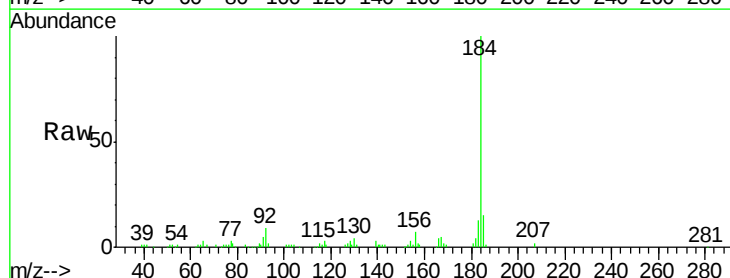
Tgt Ion:184 Resp: 68914

Ion Ratio Lower Upper

184 100

185 15.1 12.6 19.0

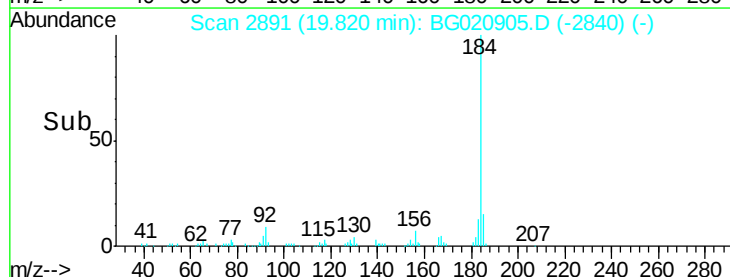
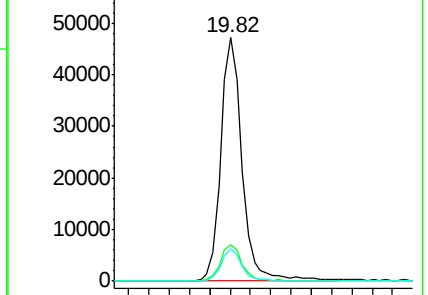
183 13.2 11.0 16.4

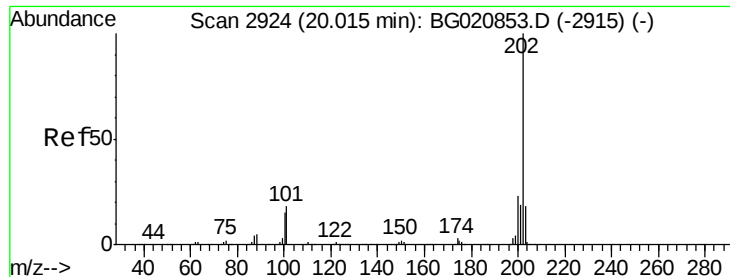


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 18.98 ng

RT: 20.01 min Scan# 2923

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

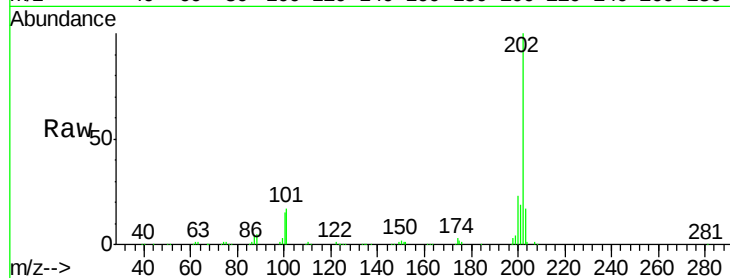
Tgt Ion:202 Resp: 160110

Ion Ratio Lower Upper

202 100

200 22.9 18.5 27.7

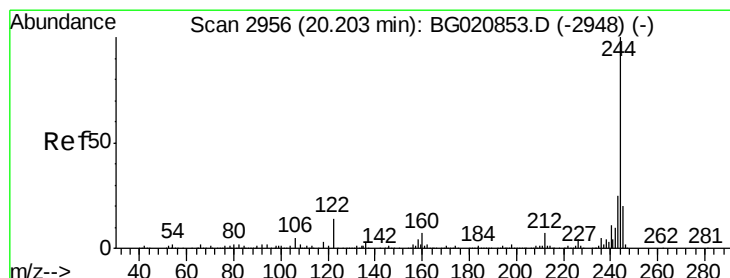
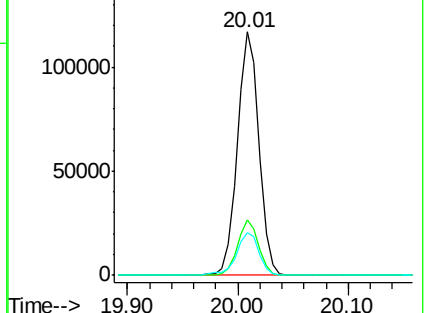
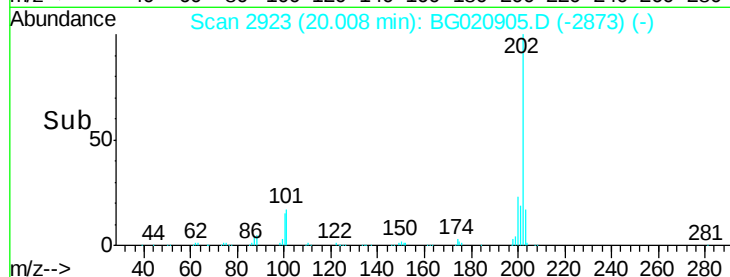
203 17.5 14.3 21.5



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: 100.91 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

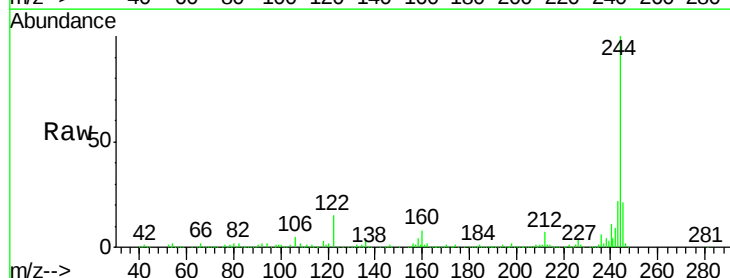
Tgt Ion:244 Resp: 553250

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

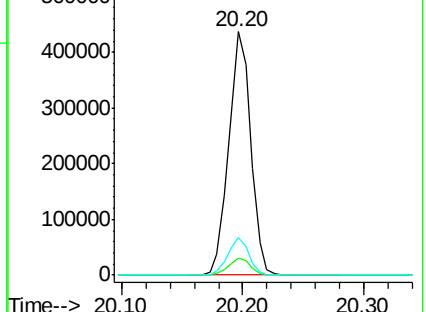
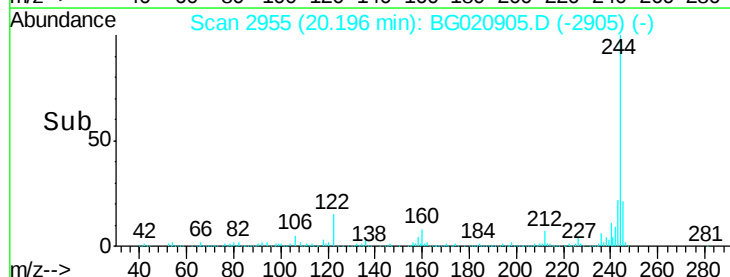
122 15.2 11.4 17.2

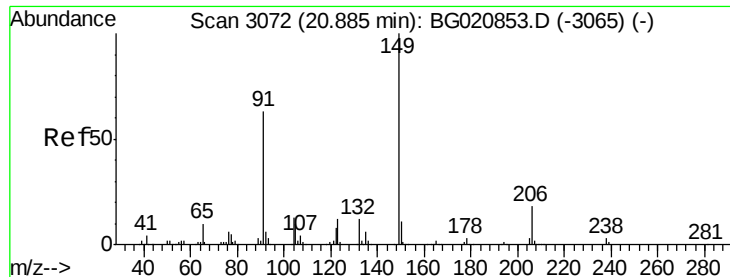


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

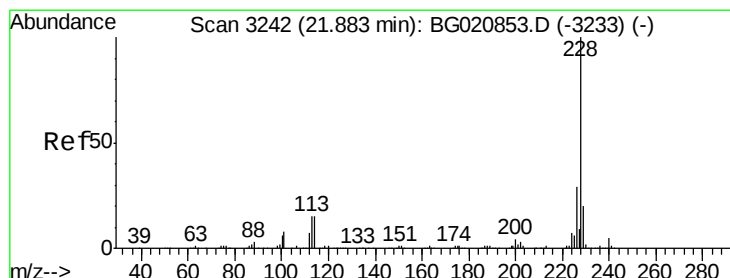
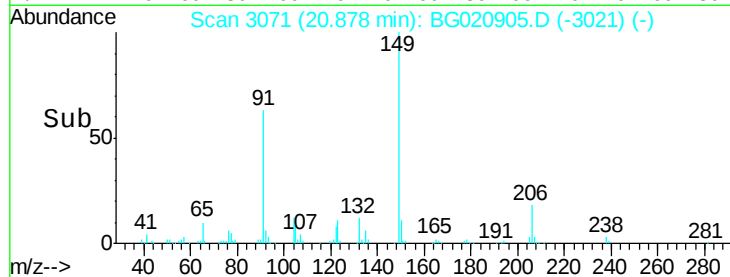
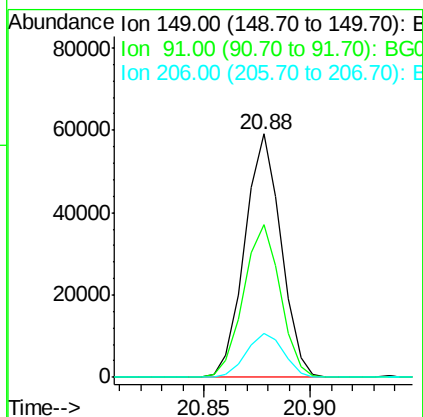
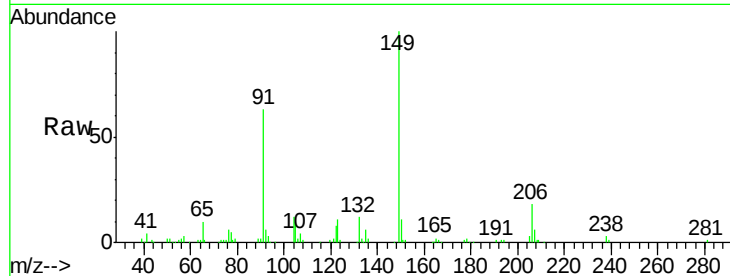




#79
Butylbenzylphthalate
Concen: 17.51 ng
RT: 20.88 min Scan# 3071
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

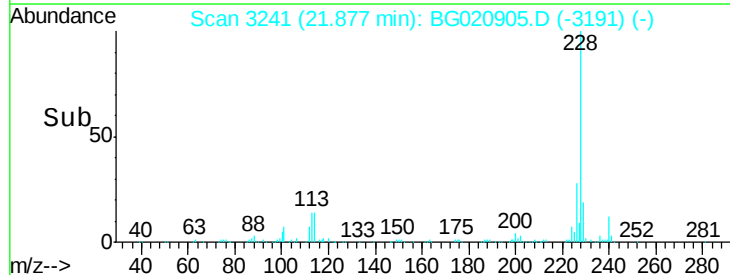
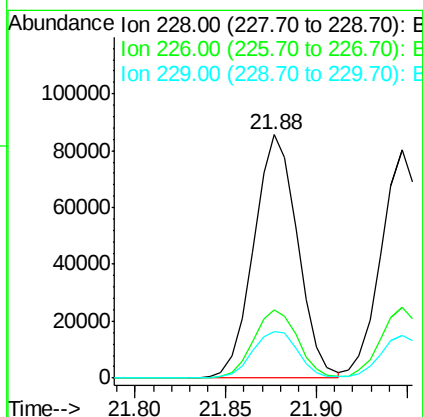
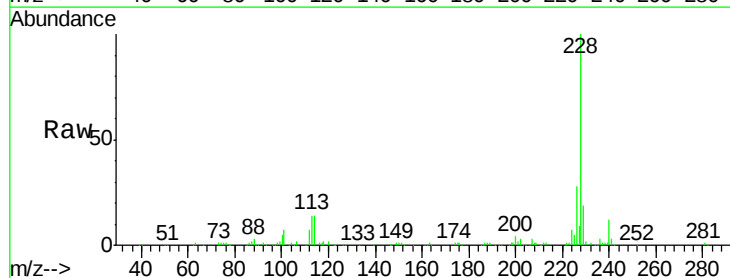
Instrument :
BNA_G
ClientSampleId :
LOQ-SOIL2016-02

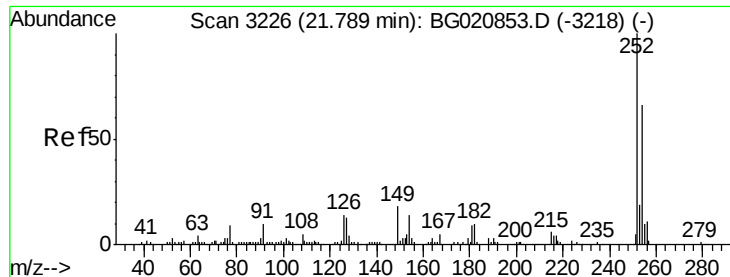
Tgt Ion:149 Resp: 70721
Ion Ratio Lower Upper
149 100
91 62.7 50.6 76.0
206 18.3 14.6 22.0



#80
Benzo(a)anthracene
Concen: 18.83 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG020905.D
Acq: 15 Feb 2016 15:25

Tgt Ion:228 Resp: 143818
Ion Ratio Lower Upper
228 100
226 28.0 23.1 34.7
229 19.2 16.2 24.2

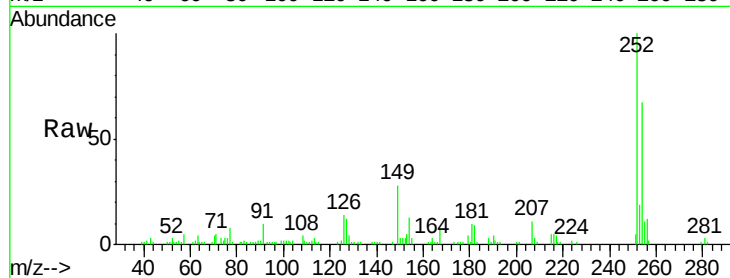




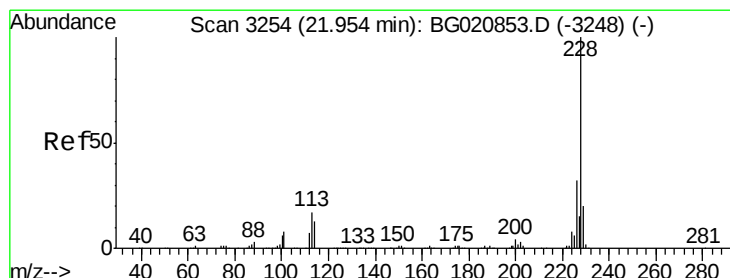
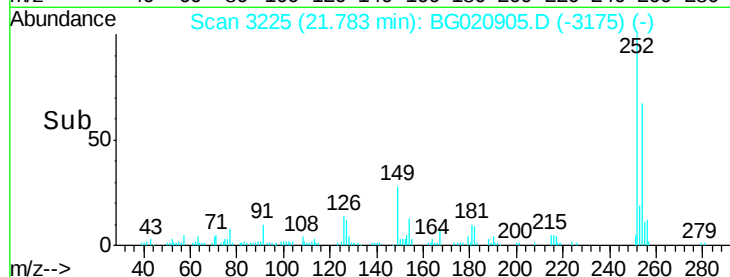
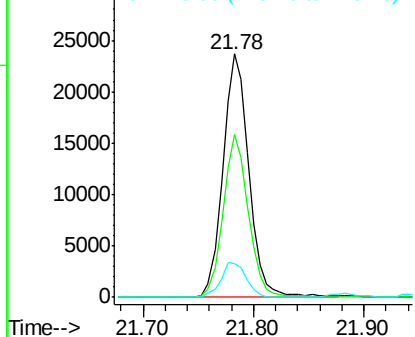
#81
 3,3'-Dichlorobenzidine
 Concen: 13.73 ng
 RT: 21.78 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:252 Resp: 38902
 Ion Ratio Lower Upper
 252 100
 254 67.1 52.8 79.2
 126 14.0 11.1 16.7

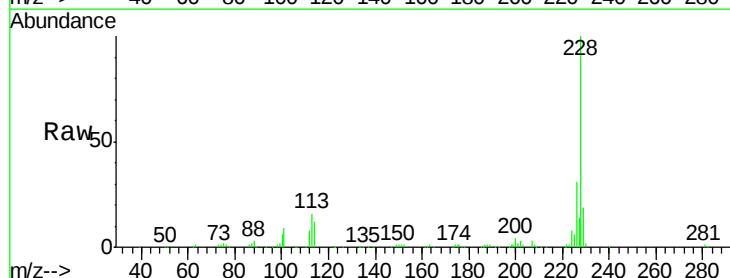


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

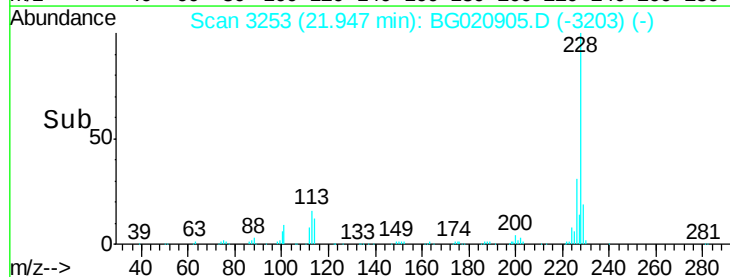
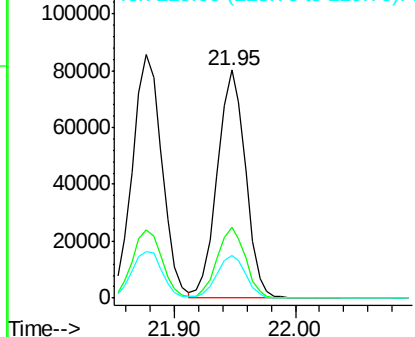


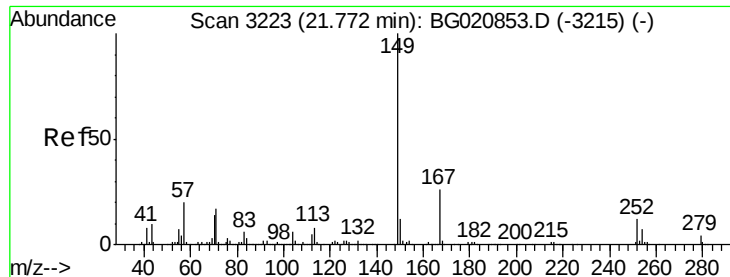
#82
 Chrysene
 Concen: 18.03 ng
 RT: 21.95 min Scan# 3253
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:228 Resp: 129458
 Ion Ratio Lower Upper
 228 100
 226 30.9 25.3 37.9
 229 18.9 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

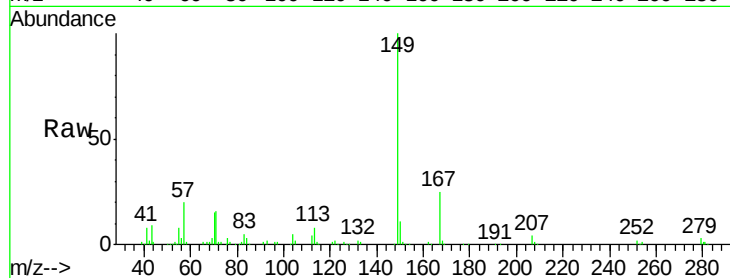




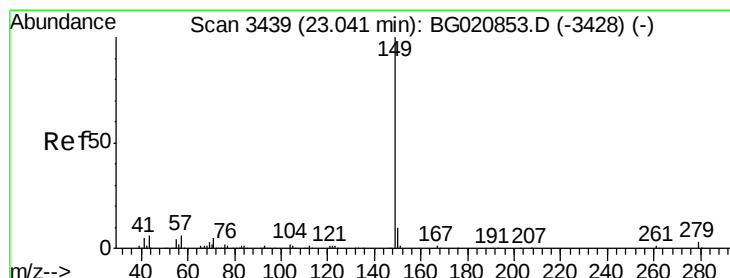
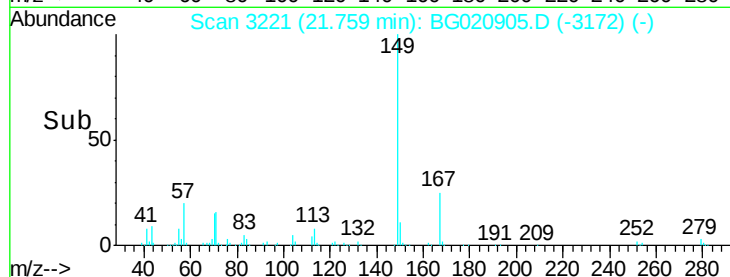
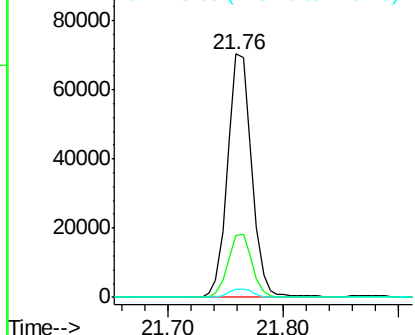
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.98 ng
 RT: 21.76 min Scan# 3221
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

Tgt Ion:149 Resp: 101679
 Ion Ratio Lower Upper
 149 100
 167 25.3 20.9 31.3
 279 3.3 3.0 4.4

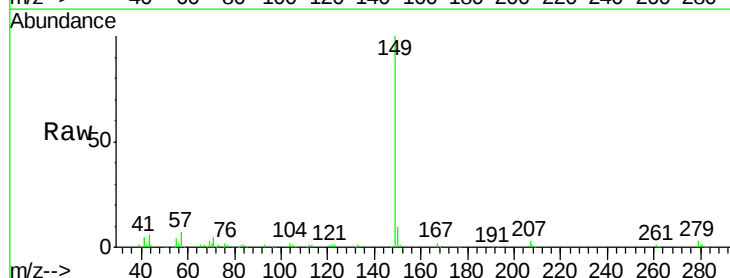


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

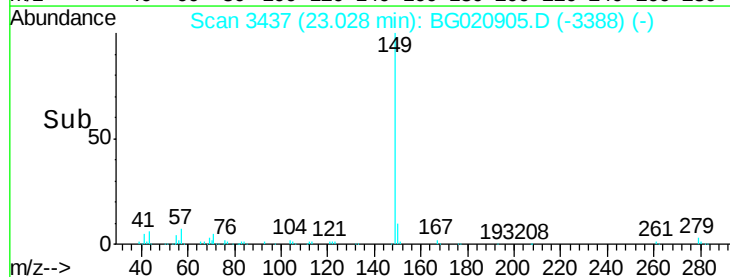
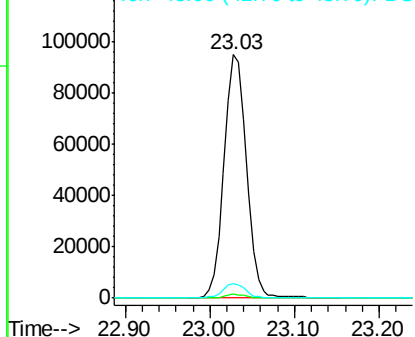


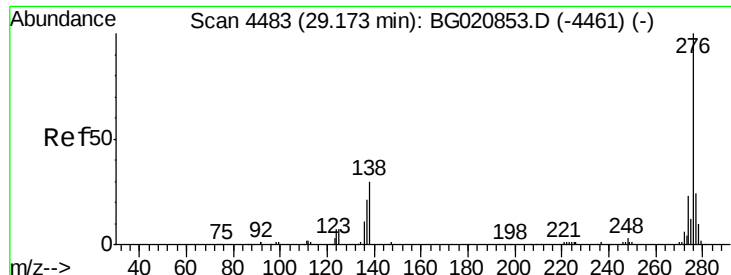
#84
 Di-n-octyl phthalate
 Concen: 17.80 ng
 RT: 23.03 min Scan# 3437
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion:149 Resp: 174999
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 6.0 5.1 7.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BG0

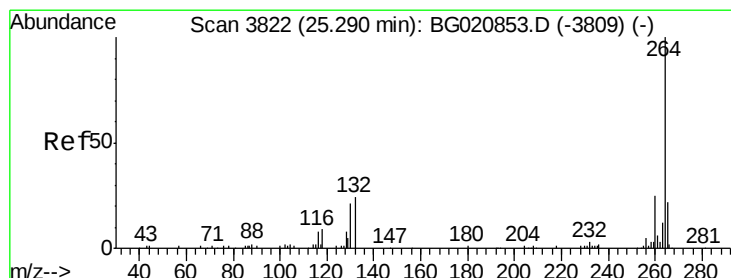
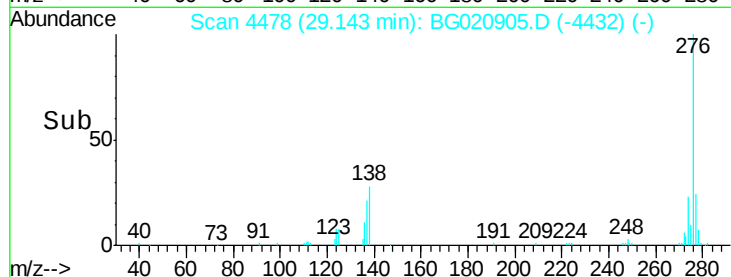
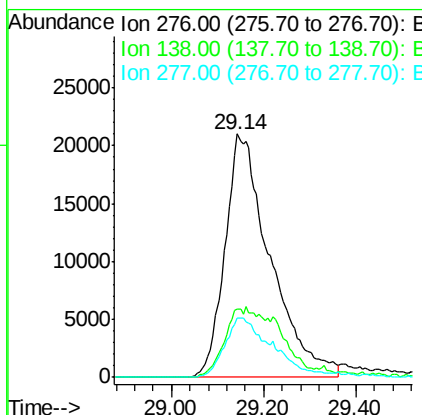
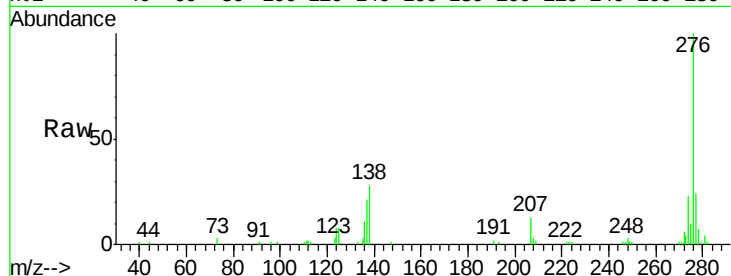




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.33 ng
 RT: 29.14 min Scan# 4478
 Delta R.T. -0.03 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

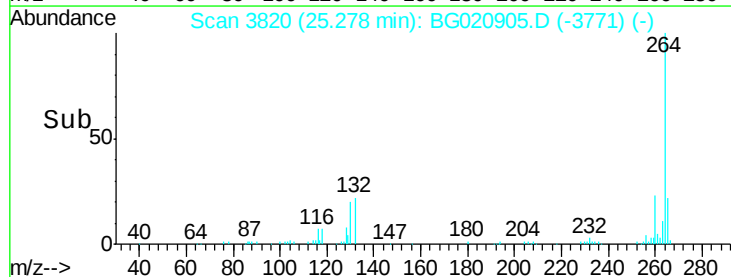
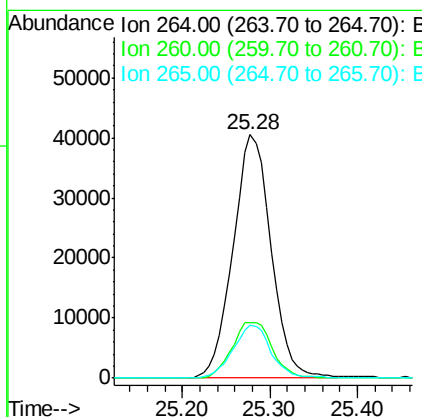
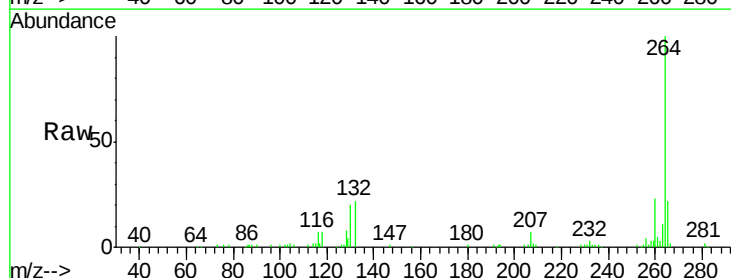
Instrument :
 BNA_G
 ClientSampleId :
 LOQ-SOIL2016-02

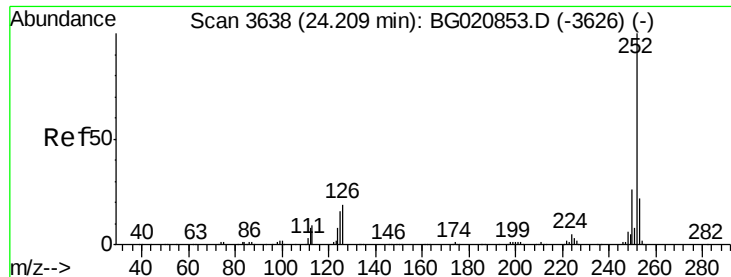
Tgt Ion: 276 Resp: 143118
 Ion Ratio Lower Upper
 276 100
 138 12.0 20.1 30.1#
 277 25.1 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.28 min Scan# 3820
 Delta R.T. -0.01 min
 Lab File: BG020905.D
 Acq: 15 Feb 2016 15:25

Tgt Ion: 264 Resp: 119741
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.9 29.9
 265 21.5 18.0 27.0





#87

Benzo(b)fluoranthene

Concen: 18.72 ng

RT: 24.20 min Scan# 3636

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

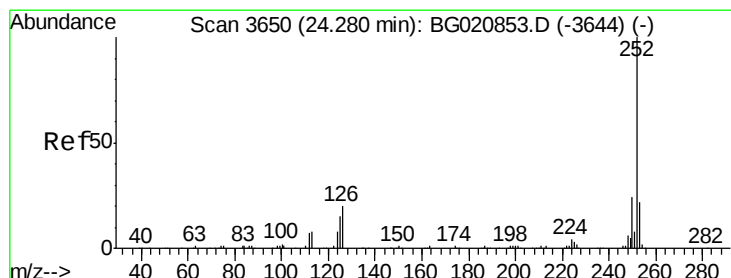
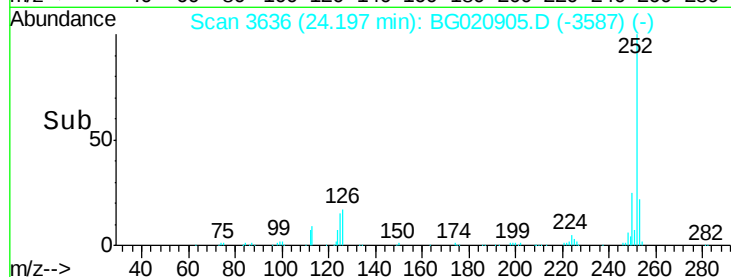
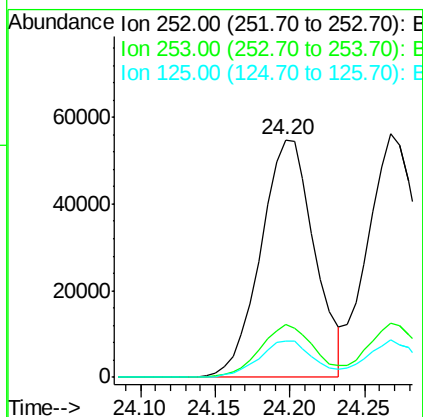
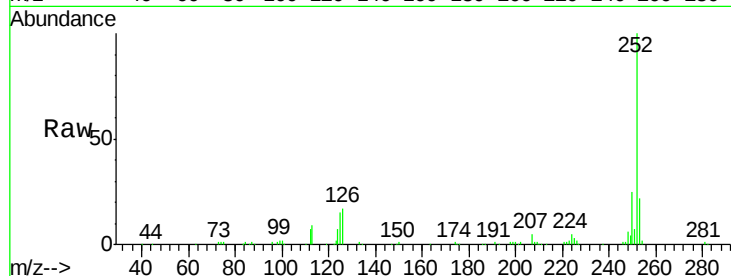
Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

Tgt Ion:	252	Resp:	137197
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	15.0	12.5	18.7



#88

Benzo(k)fluoranthene

Concen: 19.08 ng

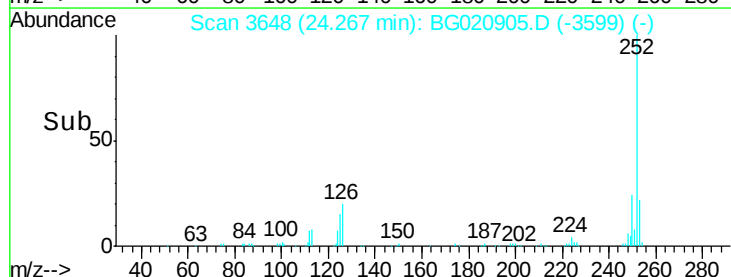
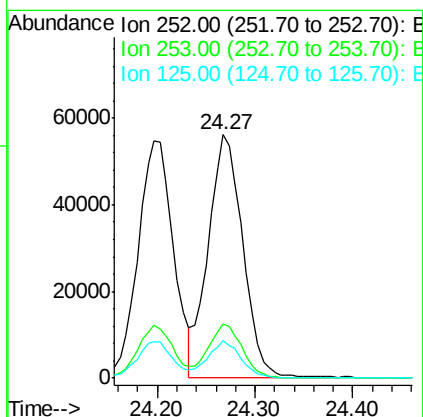
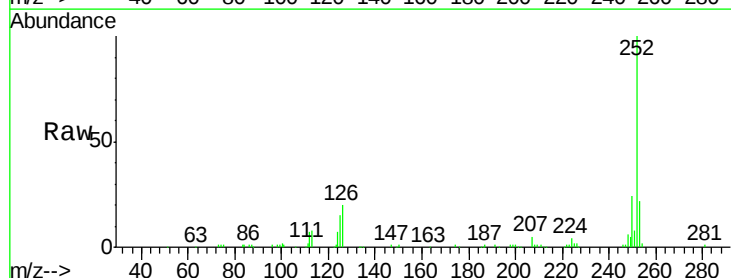
RT: 24.27 min Scan# 3648

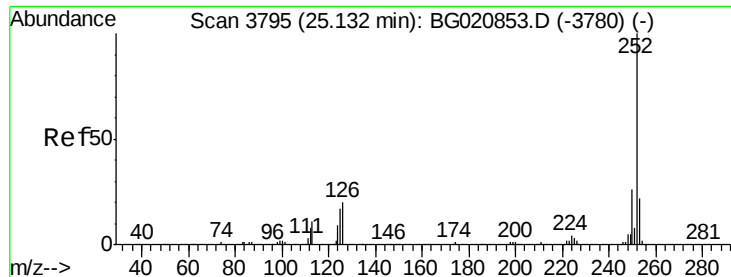
Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Tgt Ion:	252	Resp:	136992
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	15.5	12.2	18.4





#89

Benzo(a)pyrene

Concen: 19.04 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.01 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02

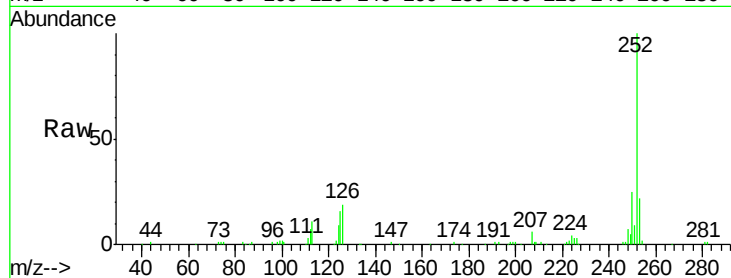
Tgt Ion:252 Resp: 132965

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

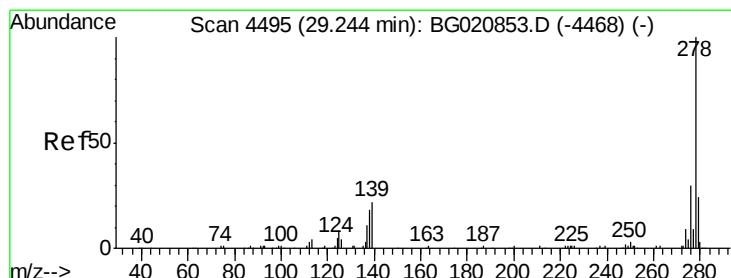
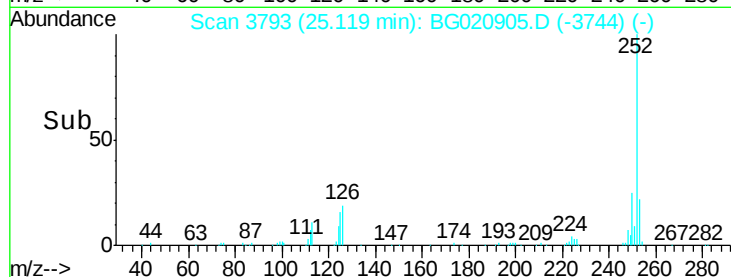
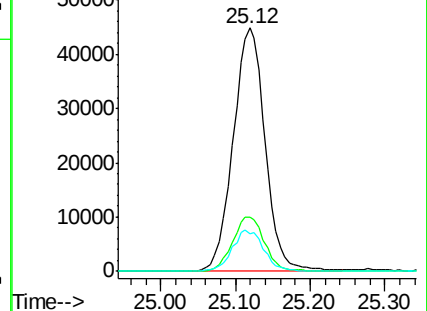
125 15.6 13.6 20.4



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: 17.64 ng

RT: 29.22 min Scan# 4491

Delta R.T. -0.02 min

Lab File: BG020905.D

Acq: 15 Feb 2016 15:25

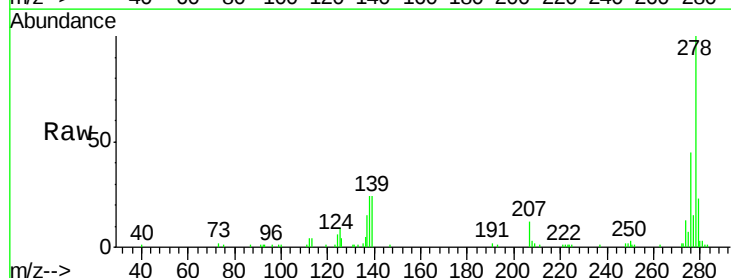
Tgt Ion:278 Resp: 119794

Ion Ratio Lower Upper

278 100

139 24.2 17.3 25.9

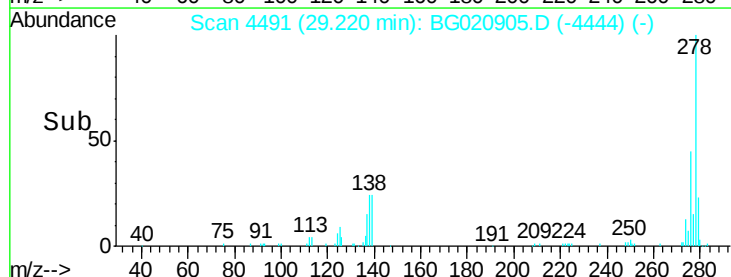
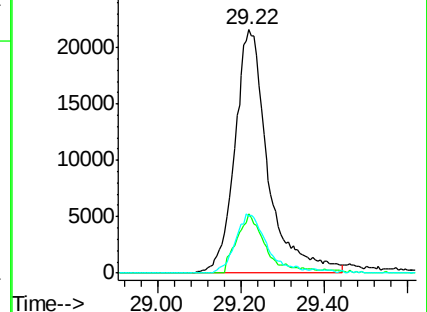
279 23.4 19.1 28.7

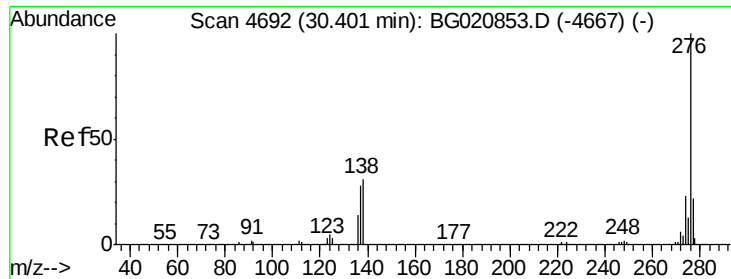


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.63 ng

RT: 30.37 min Scan# 4686

Delta R.T. -0.04 min

Lab File: BG020905.D

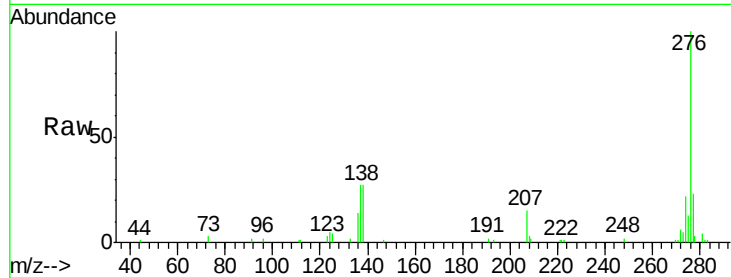
Acq: 15 Feb 2016 15:25

Instrument :

BNA_G

ClientSampleId :

LOQ-SOIL2016-02



Tgt Ion:	276	Resp:	112074
Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.6	26.4
138	27.1	25.2	37.8

