

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032117\
 Data File : BG026361.D
 Acq On : 21 Mar 2017 16:45
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 22 03:34:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	118463	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	510944	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	298140	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	712491	20.00	ng	0.00
75) Chrysene-d12	21.63	240	866215	20.00	ng	0.00
86) Perylene-d12	24.81	264	837013	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	892227	133.68	ng	0.00
7) Phenol-d6	7.21	99	1140722	127.31	ng	0.00
23) Nitrobenzene-d5	9.20	82	705139	82.98	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	508973	149.07	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	1961515	92.26	ng	0.00
78) Terphenyl-d14	19.98	244	2725245	76.41	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.51	88	3349	1.12	ng	# 65
3) Pyridine	3.93	79	6122	0.75	ng	# 60
4) n-Nitrosodimethylamine	3.83	42	1851	0.83	ng	# 55
6) Aniline	7.37	93	11539	0.96	ng	# 89
8) 2-Chlorophenol	7.62	128	8054	1.07	ng	# 80
9) Benzaldehyde	7.19	77	7376	1.22	ng	# 83
10) Phenol	7.23	94	9804	1.03	ng	# 92
11) bis(2-Chloroethyl)ether	7.47	93	7943	1.01	ng	# 77
12) 1,3-Dichlorobenzene	7.94	146	9697	1.08	ng	# 87
13) 1,4-Dichlorobenzene	7.94	146	9697	1.07	ng	# 96
14) 1,2-Dichlorobenzene	8.40	146	10368	1.20	ng	# 95
15) Benzyl Alcohol	8.29	79	4587	0.78	ng	# 75
16) 2,2'-oxybis(1-Chloropropan	8.57	45	7931	0.91	ng	# 81
17) 2-Methylphenol	8.49	107	6324	0.93	ng	# 78
18) Hexachloroethane	9.13	117	3155	1.07	ng	# 75
19) n-Nitroso-di-n-propylamine	8.84	70	4820	0.84	ng	# 72
20) 3+4-Methylphenols	8.82	107	8401	0.90	ng	# 82
22) Acetophenone	8.87	105	12201	1.04	ng	# 78
24) Nitrobenzene	9.25	77	8718	1.04	ng	# 69
25) Isophorone	9.76	82	15128	0.94	ng	# 81
26) 2-Nitrophenol	9.97	139	3621	0.83	ng	# 60
27) 2,4-Dimethylphenol	10.02	122	6589	0.92	ng	# 80
28) bis(2-Chloroethoxy)methane	10.25	93	9939	0.96	ng	# 94
29) 2,4-Dichlorophenol	10.51	162	6483	0.89	ng	# 81
30) 1,2,4-Trichlorobenzene	10.71	180	9341	1.15	ng	# 97
31) Naphthalene	10.90	128	28378	1.10	ng	# 97
32) Benzoic acid	10.17	122	220	0.04	ng	# 20
33) 4-Chloroaniline	11.02	127	10035	0.96	ng	# 81
34) Hexachlorobutadiene	11.19	225	5510	1.15	ng	# 91
35) Caprolactam	11.75	113	2070	0.72	ng	# 37
36) 4-Chloro-3-methylphenol	12.12	107	6784	0.88	ng	# 75
37) 2-Methylnaphthalene	12.50	142	20543	1.09	ng	# 84
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	9773	1.09	ng	# 96
40) Hexachlorocyclopentadiene	12.85	237	2146	0.45	ng	# 90

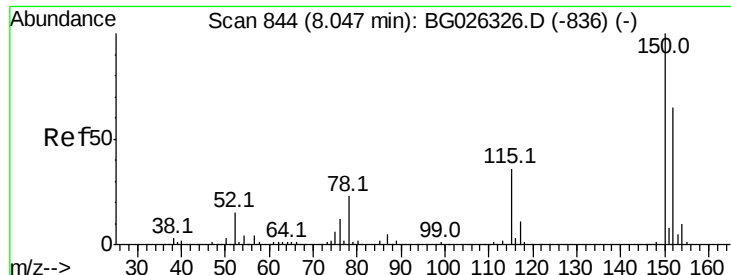
Data Path : Z:\HPCHEM1\BNA G\DATA\BG032117\
 Data File : BG026361.D
 Acq On : 21 Mar 2017 16:45
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 22 03:34:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 20 17:43:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.11	196	5238	0.89	nq	98
43) 2,4,5-Trichlorophenol	13.19	196	6232	0.96	nq	# 84
45) 1,1'-Biphenyl	13.49	154	31102	1.26	nq	95
46) 2-Chloronaphthalene	13.53	162	19082	1.06	nq	93
47) 2-Nitroaniline	13.74	65	3839	0.75	nq	# 71
48) Acenaphthylene	14.37	152	32330	1.03	nq	98
49) Dimethylphthalate	14.10	163	22985	1.02	nq	98
50) 2,6-Dinitrotoluene	14.22	165	4186	0.80	nq	# 63
51) Acenaphthene	14.72	154	20480	1.06	nq	97
52) 3-Nitroaniline	14.57	138	4285	0.74	nq	# 71
54) Dibenzofuran	15.05	168	29540	1.08	nq	# 84
55) 4-Nitrophenol	14.90	139	1983	0.42	nq	# 42
56) 2,4-Dinitrotoluene	15.02	165	5225	0.71	nq	# 78
57) Fluorene	15.70	166	26301	1.08	nq	93
58) 2,3,4,6-Tetrachlorophenol	15.28	232	4929	0.87	nq	93
59) Diethylphthalate	15.45	149	22401	0.97	nq	95
60) 4-Chlorophenyl-phenylether	15.69	204	12256	1.07	nq	94
61) 4-Nitroaniline	15.73	138	3936	0.64	nq	# 44
62) Azobenzene	15.97	77	16671	0.89	nq	75
64) 4,6-Dinitro-2-methylphenol	15.79	198	1531	0.34	nq	80
65) n-Nitrosodiphenylamine	15.90	169	20827	1.00	nq	99
66) 4-Bromophenyl-phenylether	16.57	248	7959	1.09	nq	94
67) Hexachlorobenzene	16.70	284	9038	1.16	nq	95
68) Atrazine	16.84	200	7386	0.93	nq	96
69) Pentachlorophenol	17.05	266	3162	0.62	nq	91
70) Phenanthrene	17.42	178	44137	1.15	nq	# 91
71) Anthracene	17.42	178	44137	1.13	nq	94
72) Carbazole	17.79	167	39257	0.98	nq	97
73) Di-n-butylphthalate	18.34	149	37538	0.91	nq	# 93
74) Fluoranthene	19.43	202	49613	1.10	nq	90
76) Benzidine	19.60	184	19619	0.66	nq	# 91
77) Pyrene	19.79	202	51315	1.02	nq	99
79) Butylbenzylphthalate	20.66	149	17619	0.88	nq	# 81
80) Benzo(a)anthracene	21.61	228	53539	1.10	nq	93
81) 3,3'-Dichlorobenzidine	21.53	252	18217	0.91	nq	# 96
82) Chrysene	21.67	228	52693	1.13	nq	96
83) Bis(2-ethylhexyl)phthalate	21.51	149	28195	0.93	nq	96
84) Di-n-octyl phthalate	22.70	149	44175	0.85	nq	# 84
85) Indeno(1,2,3-cd)pyrene	28.42	276	57767	1.00	nq	# 87
87) Benzo(b)fluoranthene	23.80	252	51790	1.05	nq	# 92
88) Benzo(k)fluoranthene	23.87	252	52016	1.09	nq	# 90
89) Benzo(a)pyrene	24.66	252	49961	1.06	nq	# 91
90) Dibenzo(a,h)anthracene	28.49	278	50719	1.06	nq	# 97
91) Benzo(g,h,i)perylene	29.55	276	21412	0.44	nq	# 84

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

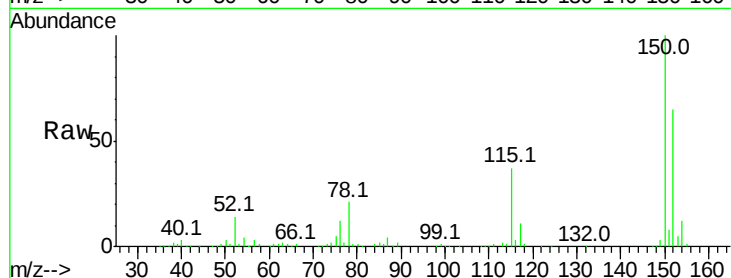
Tot Ion:152 Resp: 118463

Ion Ratio Lower Upper

152 100

150 153.9 114.0 171.0

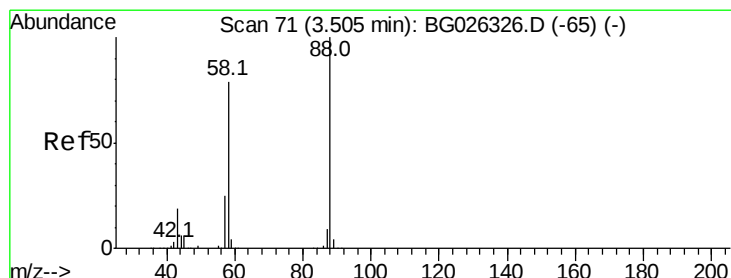
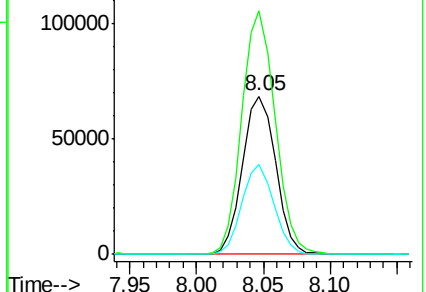
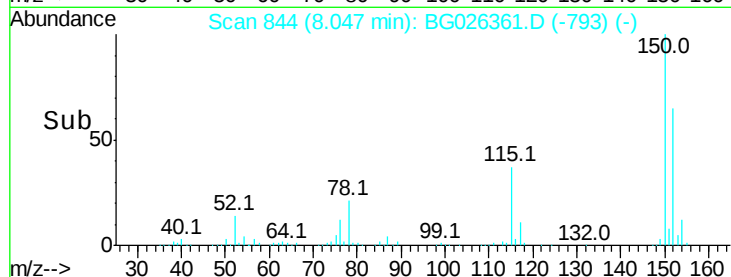
115 57.0 48.1 72.1



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: 1.12 ng

RT: 3.51 min Scan# 72

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

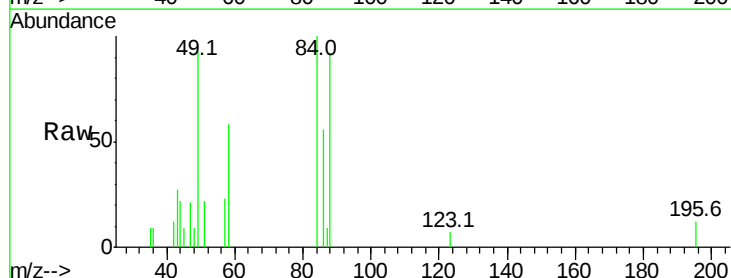
Tgt Ion: 88 Resp: 3349

Ion Ratio Lower Upper

88 100

58 59.0 79.4 119.2#

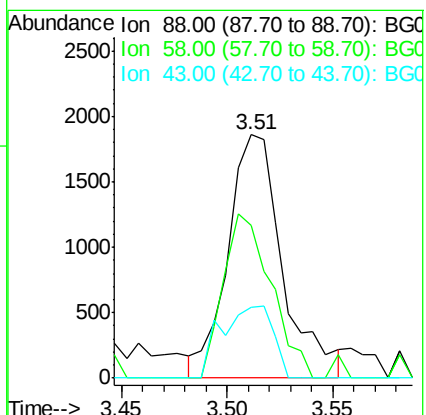
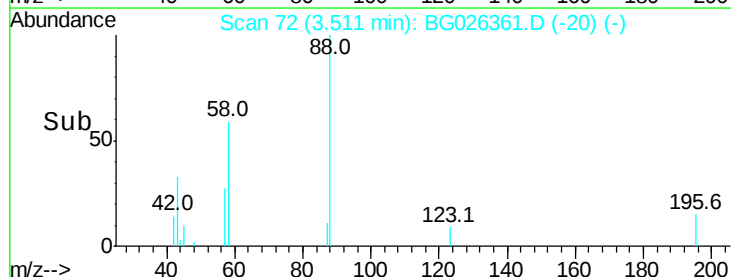
43 28.0 33.8 50.6#

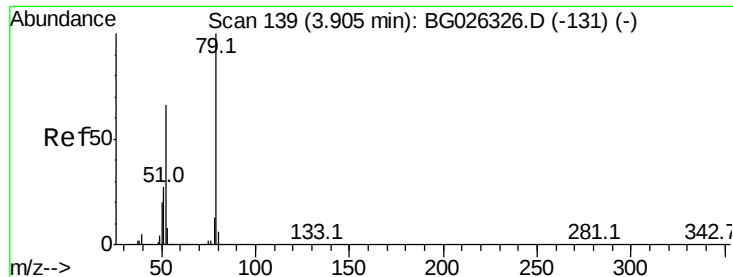


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.75 ng

RT: 3.93 min Scan# 144

Delta R.T. 0.03 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

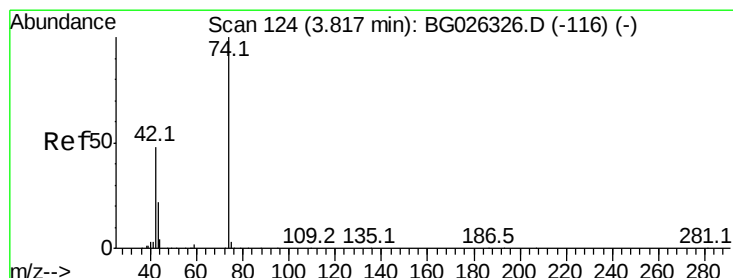
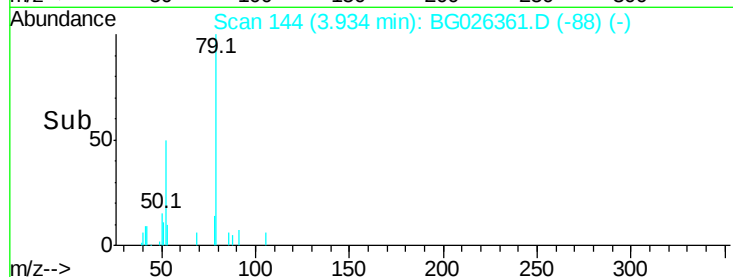
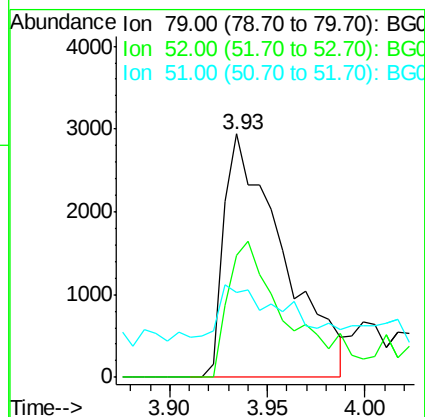
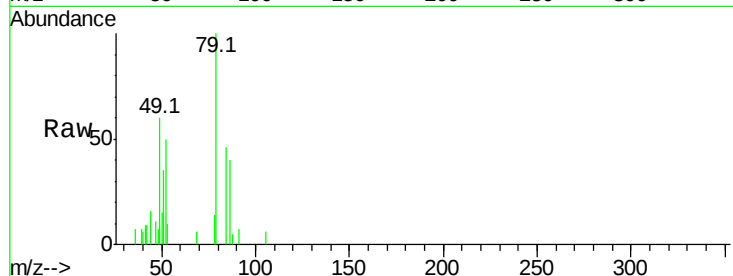
Tot Ion: 79 Resp: 6122

Ion Ratio Lower Upper

79 100

52 49.9 77.8 116.6#

51 34.8 43.2 64.8#



#4

n-Nitrosodimethylamine

Concen: 0.83 ng

RT: 3.83 min Scan# 126

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

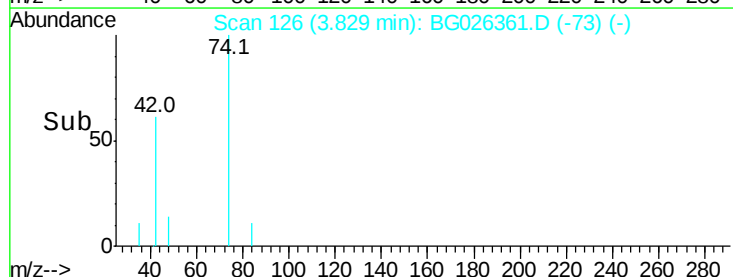
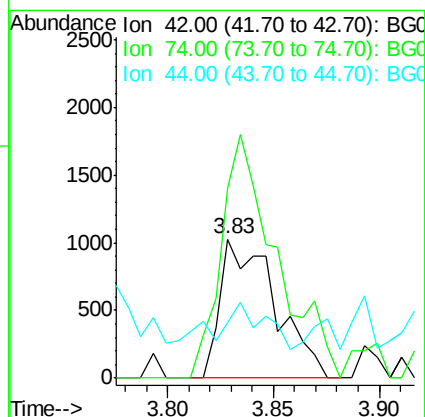
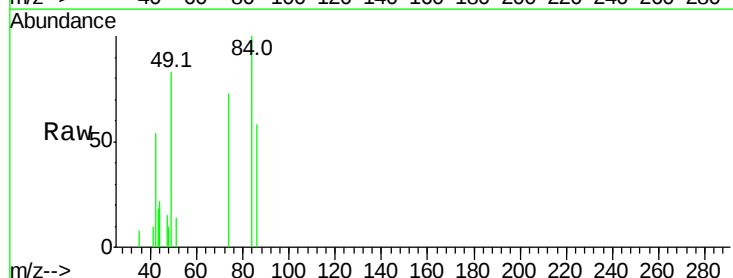
Tgt Ion: 42 Resp: 1851

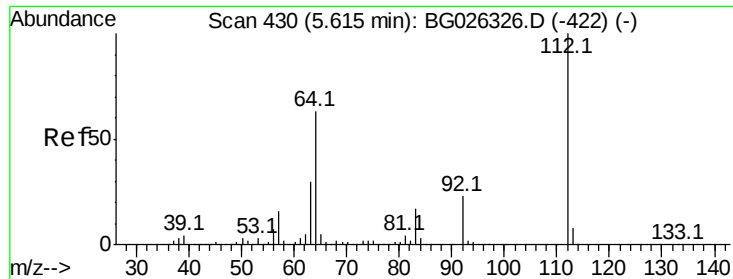
Ion Ratio Lower Upper

42 100

74 136.4 76.7 115.1#

44 40.2 6.1 9.1#





#5

2-Fluorophenol

Concen: 133.68 ng

RT: 5.61 min Scan# 430

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

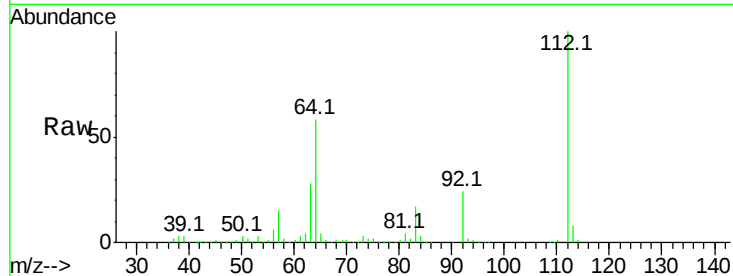
Tot Ion:112 Resp: 892227

Ion Ratio Lower Upper

112 100

64 58.1 61.8 92.6#

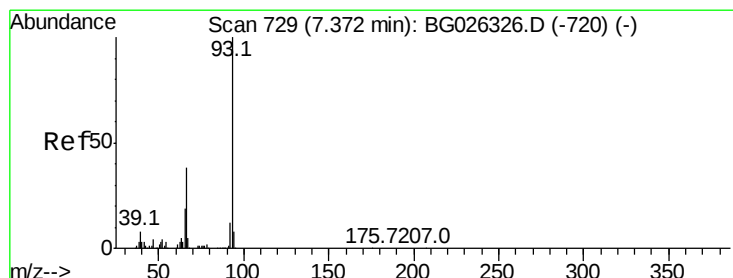
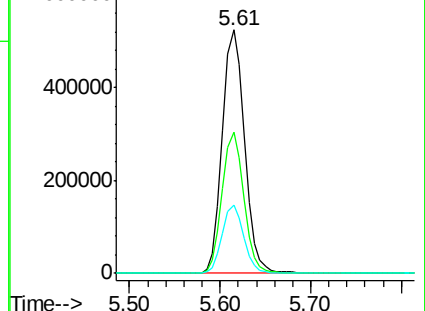
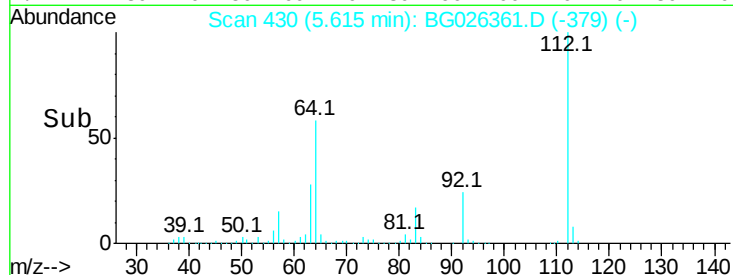
63 28.0 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 0.96 ng

RT: 7.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

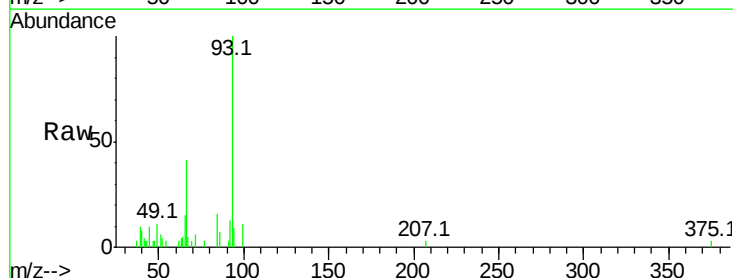
Tgt Ion: 93 Resp: 11539

Ion Ratio Lower Upper

93 100

66 41.3 35.4 53.2

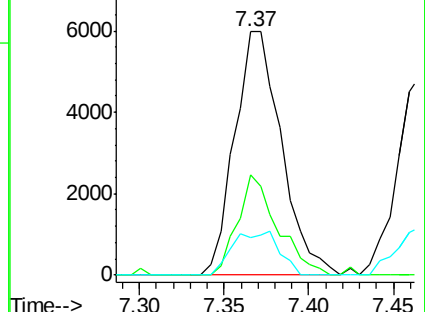
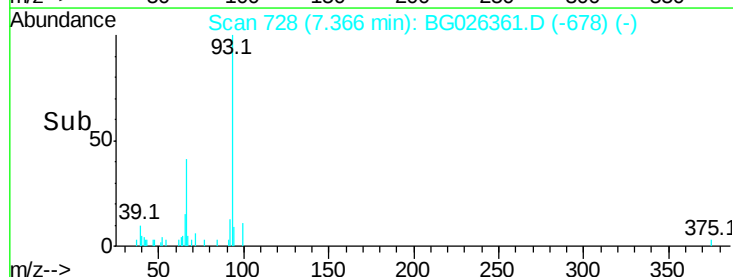
65 15.4 21.2 31.8#

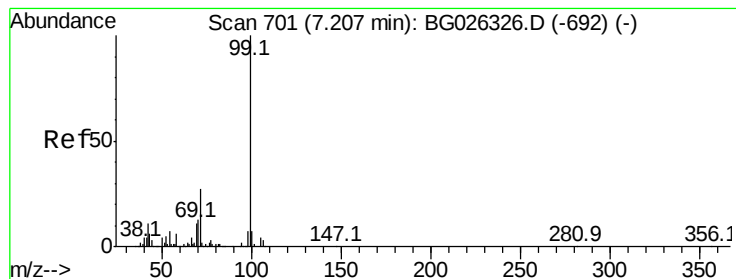


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 127.31 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

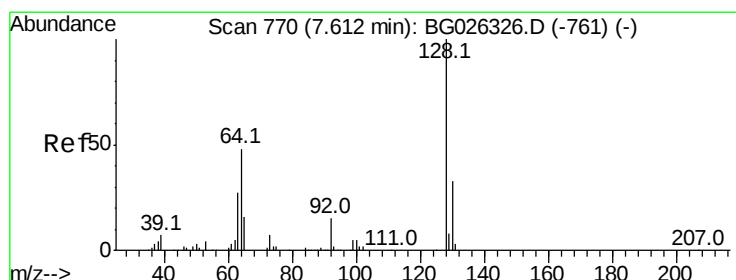
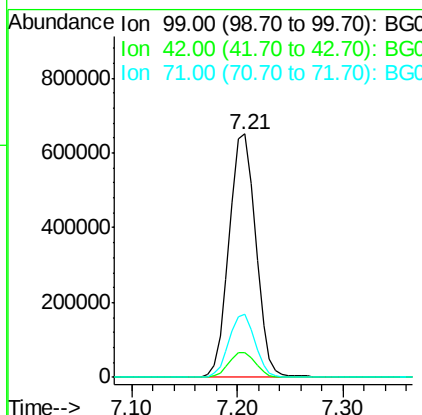
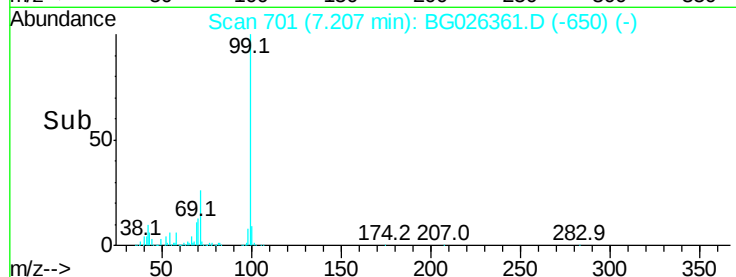
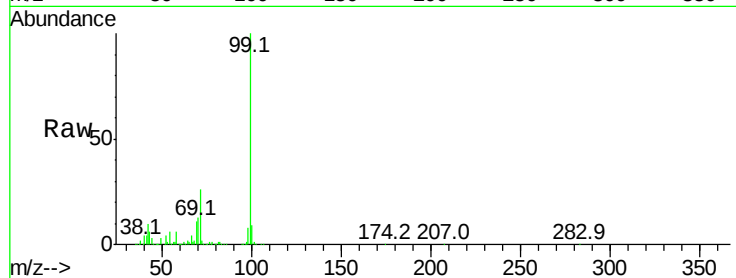
BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 99 Resp: 1140722

Ion	Ratio	Lower	Upper
99	100		
42	10.2	20.5	30.7#
71	26.0	37.6	56.4#



#8

2-Chlorophenol

Concen: 1.07 ng

RT: 7.62 min Scan# 771

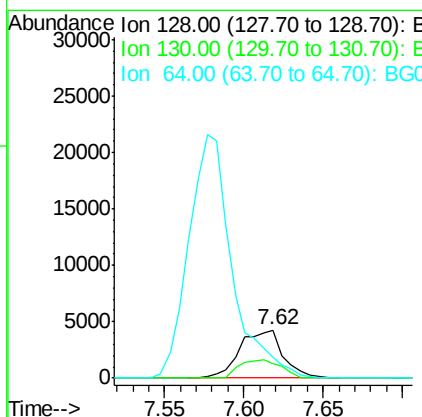
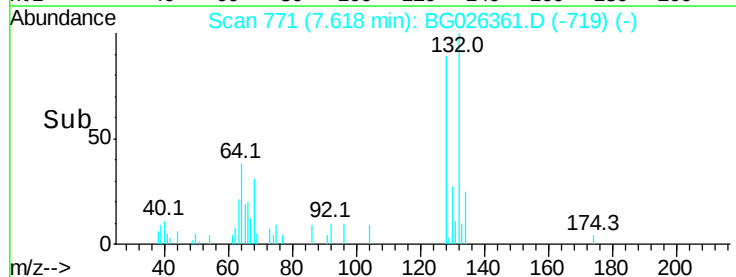
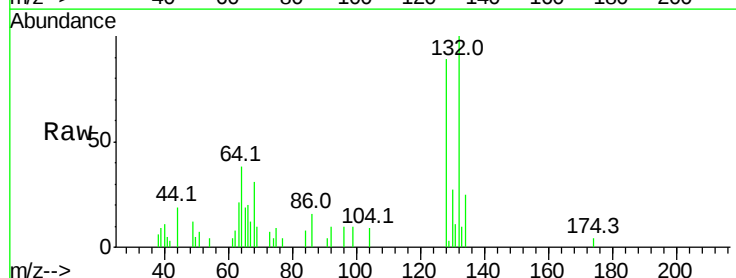
Delta R.T. 0.01 min

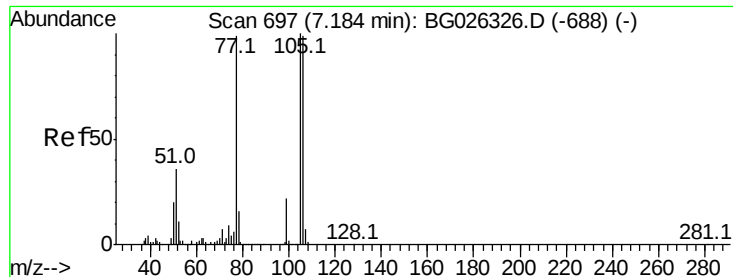
Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Tgt Ion: 128 Resp: 8054

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.4	51.4
64	43.3	46.6	86.6#





#9

Benzaldehyd

Concen: 1.22 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

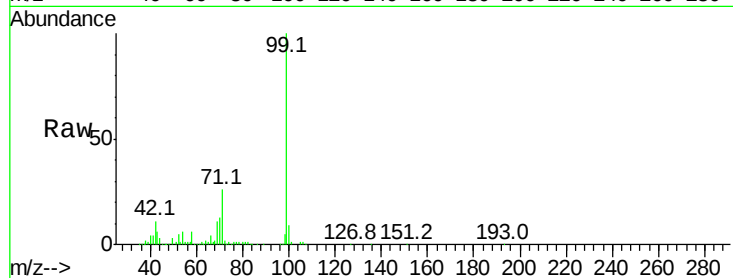
Tot Ion: 77 Resp: 7376

Ion Ratio Lower Upper

77 100

105 86.8 60.9 100.9

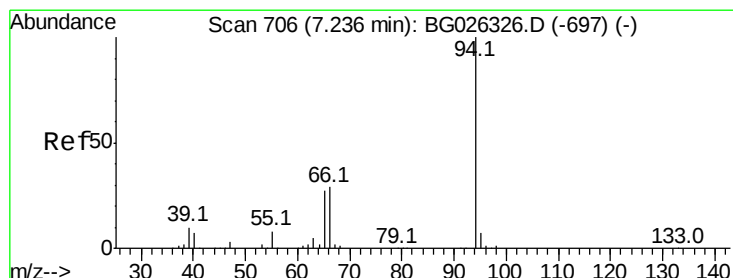
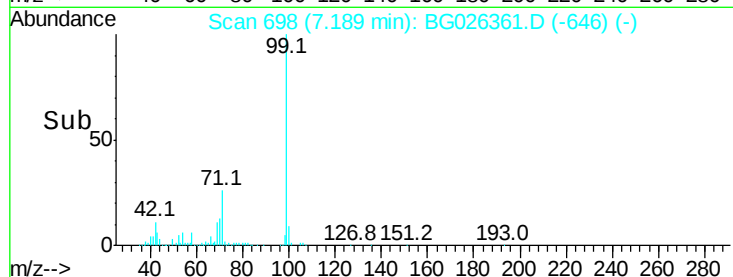
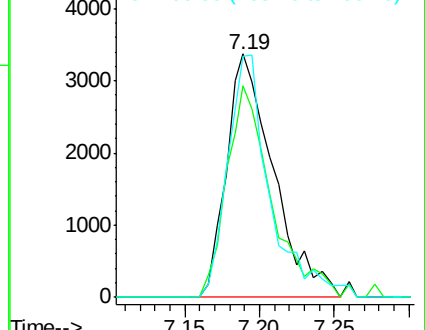
106 98.8 55.1 95.1#



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: 1.03 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

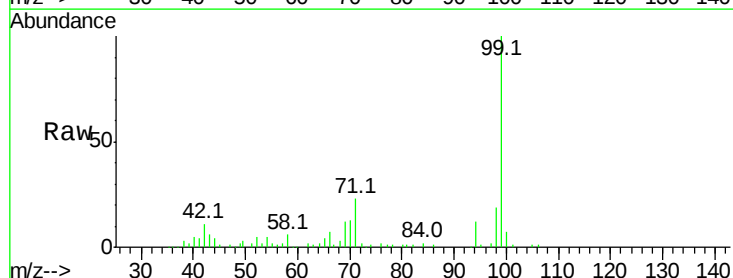
Tgt Ion: 94 Resp: 9804

Ion Ratio Lower Upper

94 100

65 33.5 20.6 60.6

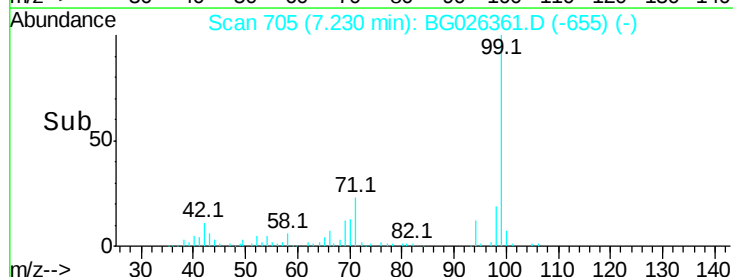
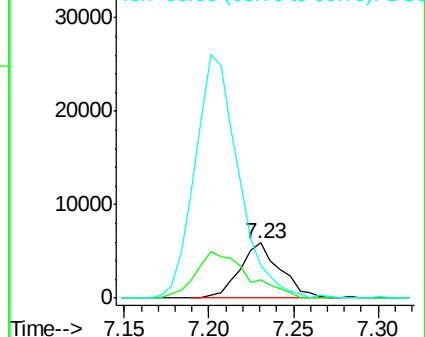
66 59.5 35.5 75.5

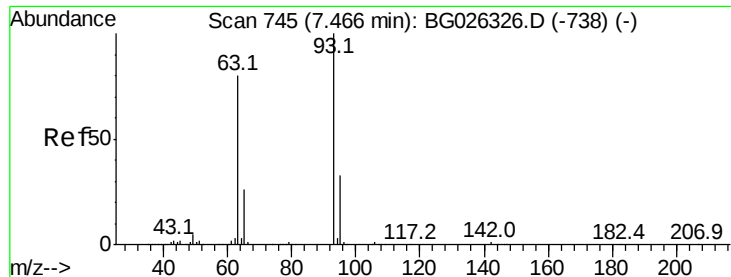


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 1.01 ng

RT: 7.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

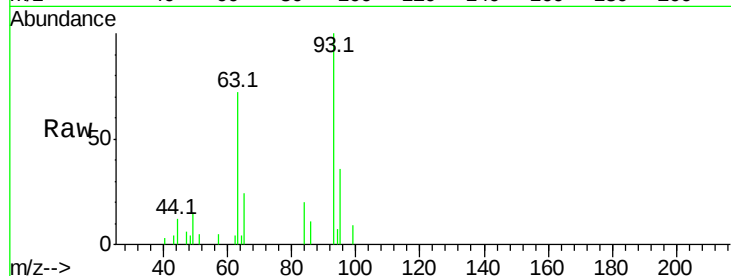
Tot Ion: 93 Resp: 7943

Ion Ratio Lower Upper

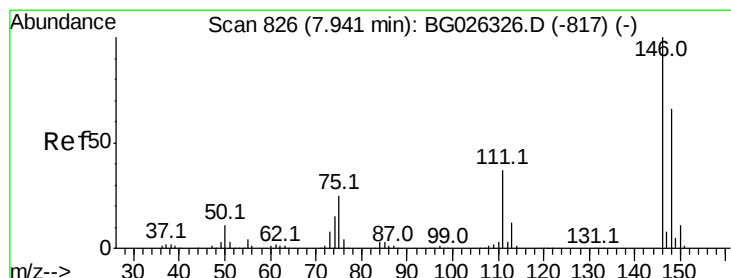
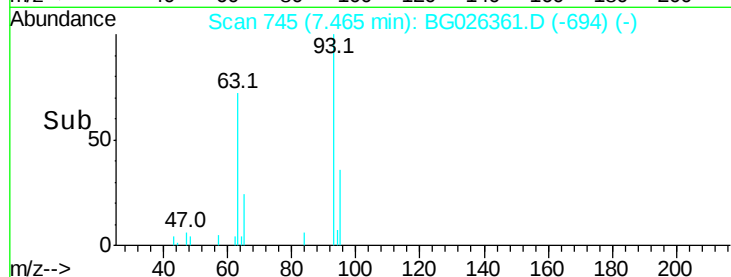
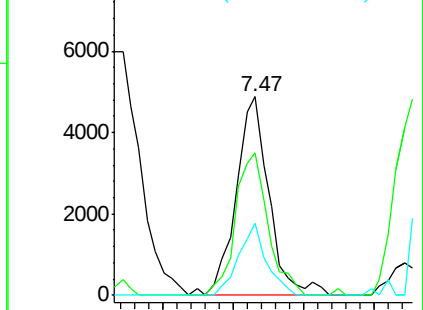
93 100

63 71.9 78.5 118.5#

95 36.0 9.8 49.8



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



#12

1,3-Dichlorobenzene

Concen: 1.08 ng

RT: 7.94 min Scan# 825

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

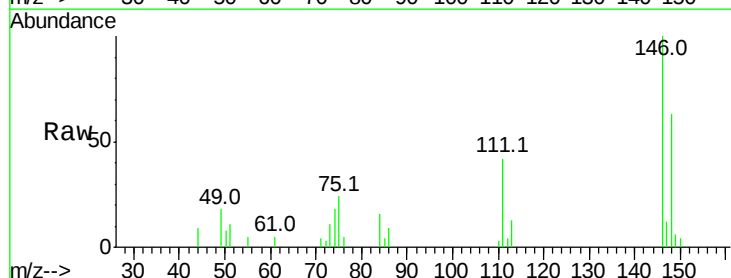
Tgt Ion: 146 Resp: 9697

Ion Ratio Lower Upper

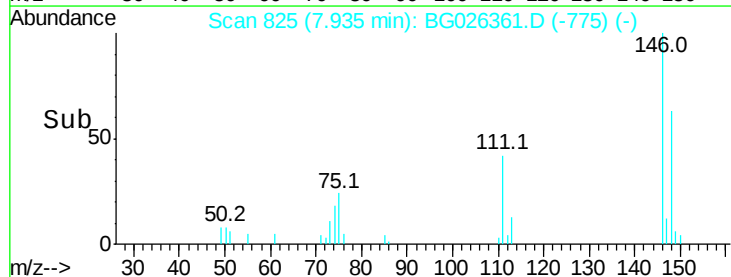
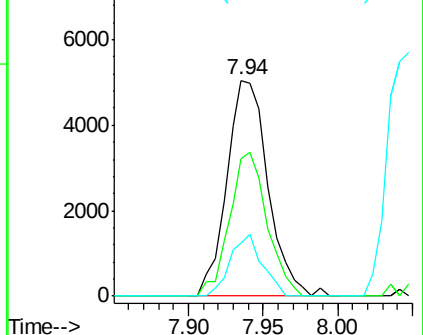
146 100

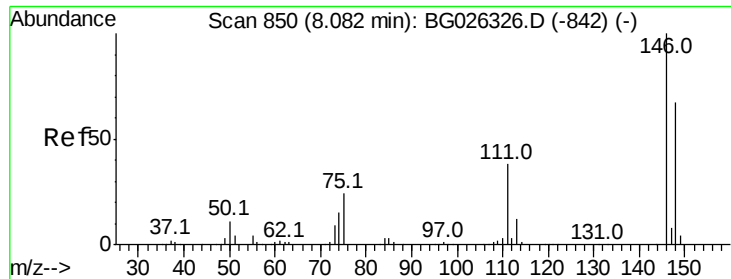
148 63.5 49.2 73.8

75 24.4 33.4 50.2#



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

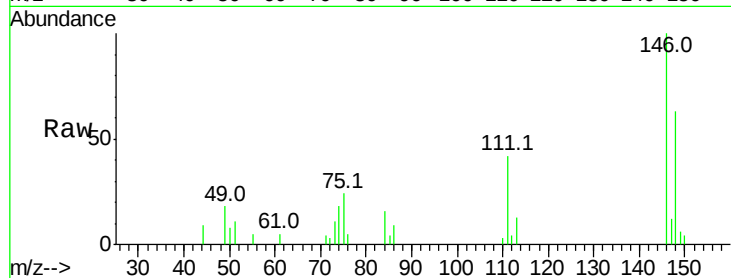




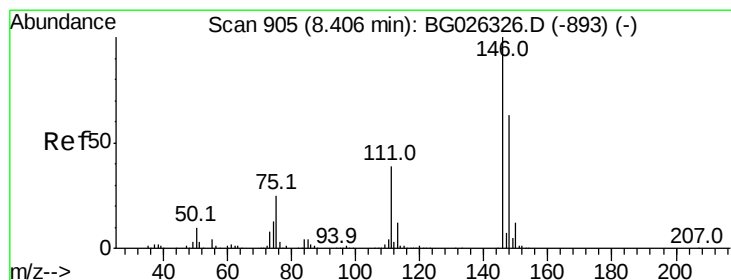
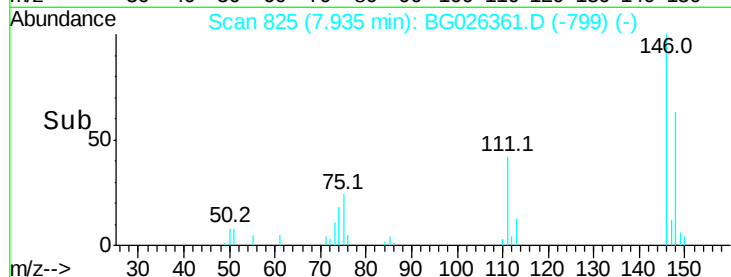
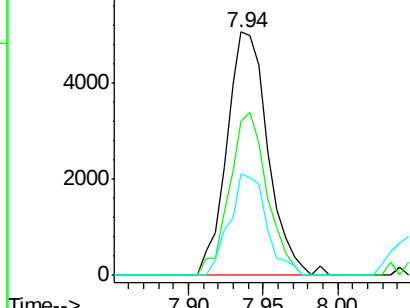
#13
 1,4-Dichlorobenzene
 Concen: 1.07 ng
 RT: 7.94 min Scan# 825
 Delta R.T. -0.15 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:146 Resp: 9697
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.2 78.2
 111 41.9 37.0 55.6

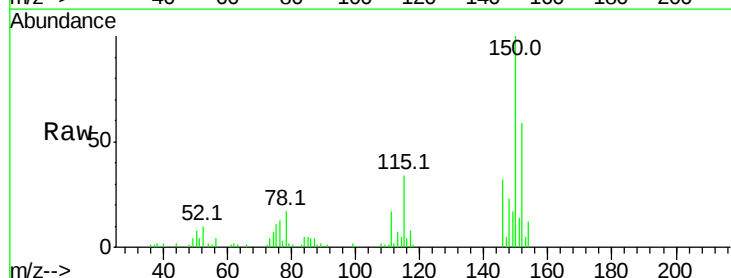


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

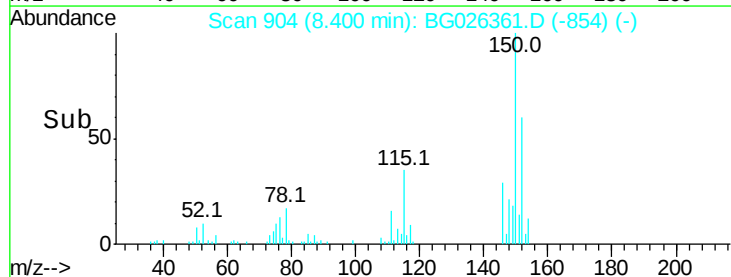
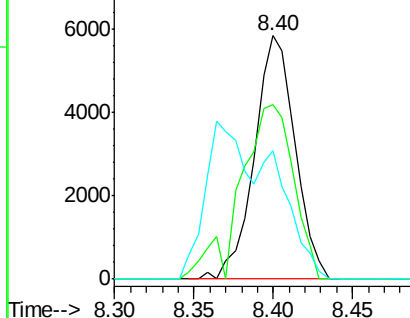


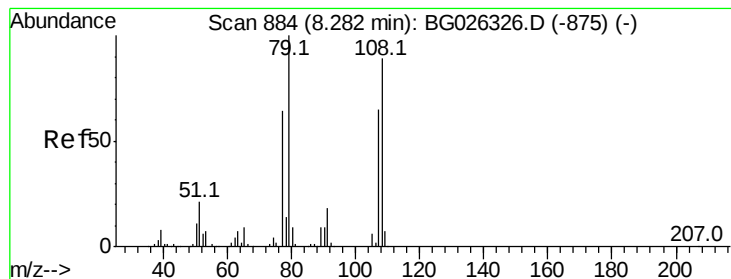
#14
 1,2-Dichlorobenzene
 Concen: 1.20 ng
 RT: 8.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:146 Resp: 10368
 Ion Ratio Lower Upper
 146 100
 148 71.8 54.6 81.8
 111 52.8 39.7 59.5



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





#15

Benzyl Alcohol

Concen: 0.78 ng

RT: 8.29 min Scan# 886

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

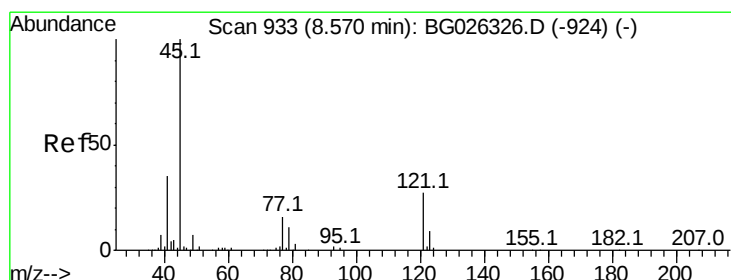
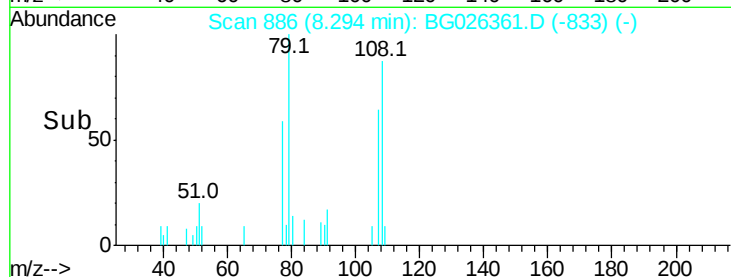
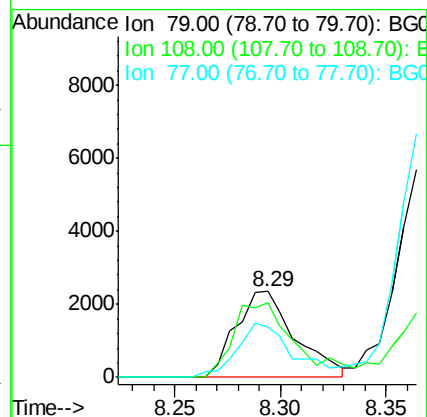
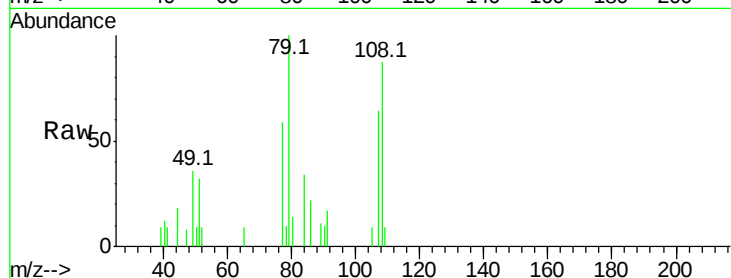
Tot Ion: 79 Resp: 4587

Ion Ratio Lower Upper

79 100

108 86.9 45.5 68.3#

77 58.7 54.3 81.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.91 ng

RT: 8.57 min Scan# 933

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

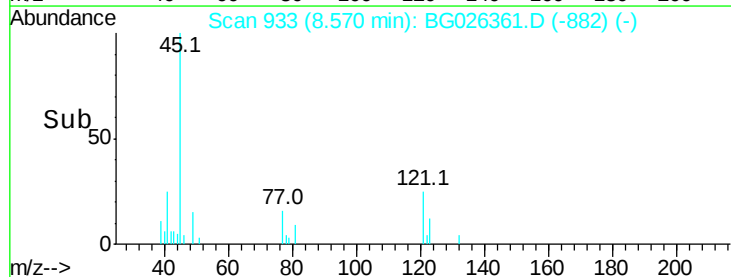
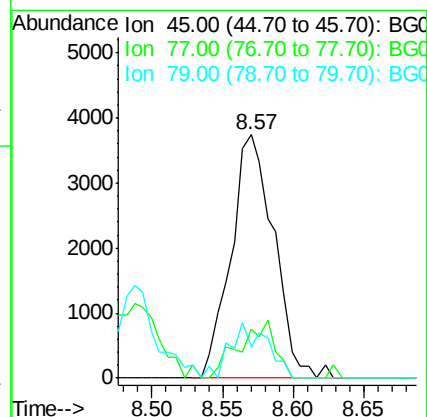
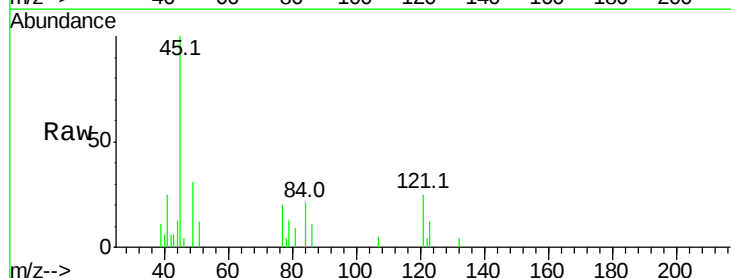
Tgt Ion: 45 Resp: 7931

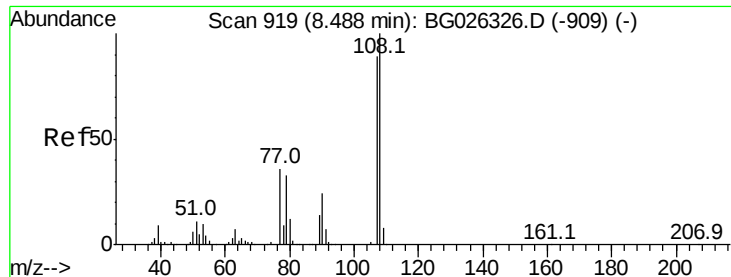
Ion Ratio Lower Upper

45 100

77 20.3 0.0 30.6

79 12.6 0.0 28.5





#17

2-Methylphenol

Concen: 0.93 ng

RT: 8.49 min Scan# 919

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:107 Resp: 6324

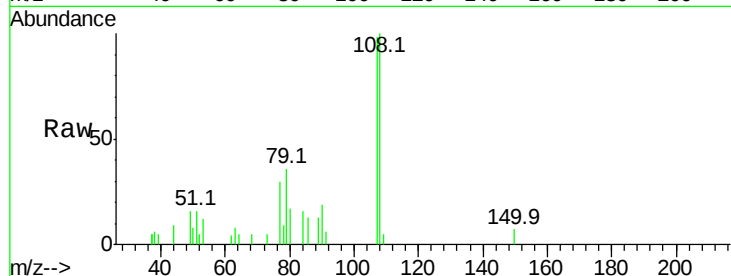
Ion Ratio Lower Upper

107 100

108 102.4 85.6 128.4

77 30.3 51.4 77.2#

79 37.2 49.2 73.8#

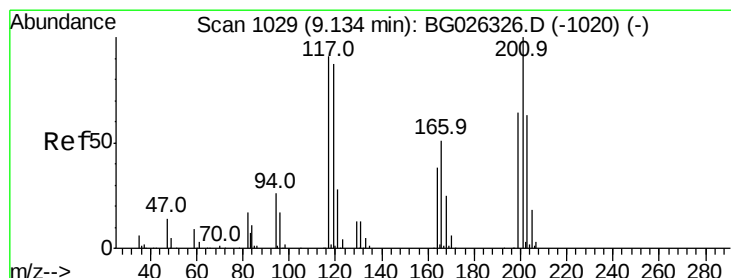
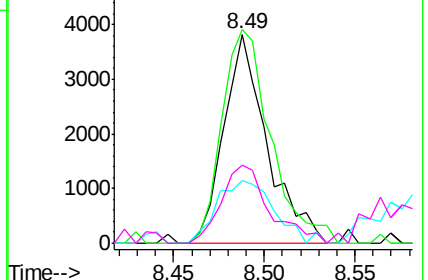
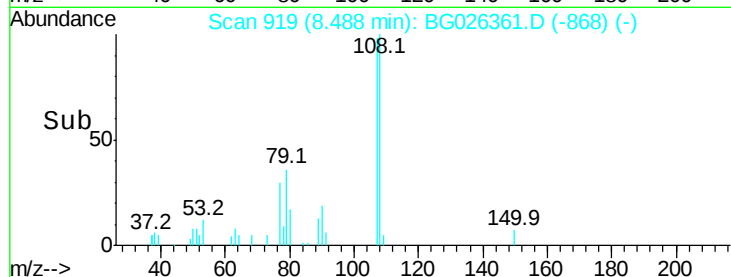


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 1.07 ng

RT: 9.13 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

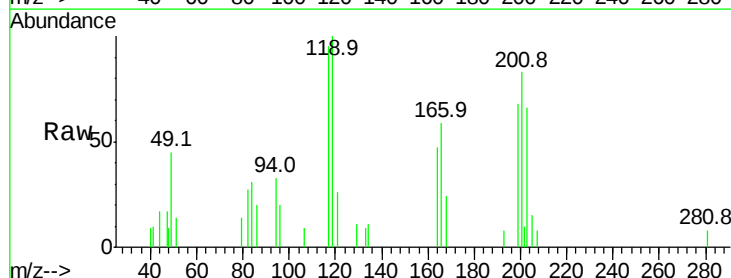
Tgt Ion:117 Resp: 3155

Ion Ratio Lower Upper

117 100

119 105.8 69.8 104.6#

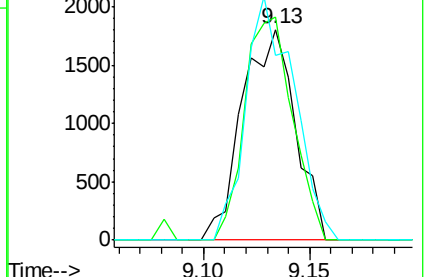
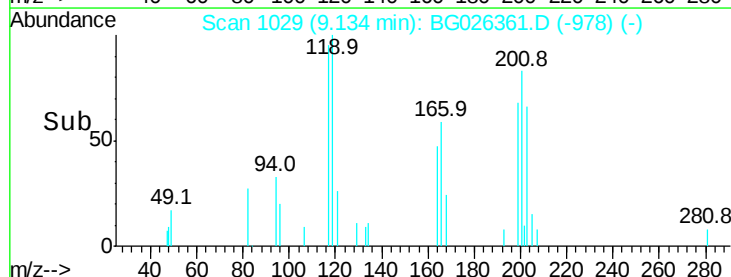
201 87.5 95.4 143.0#

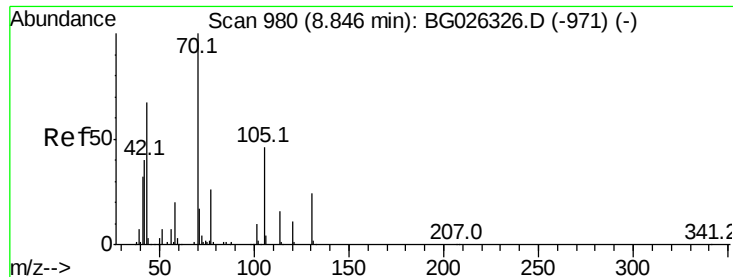


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

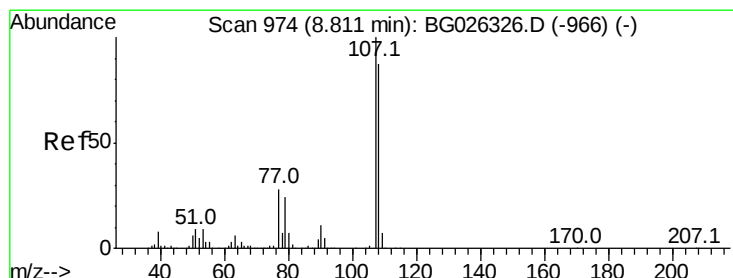
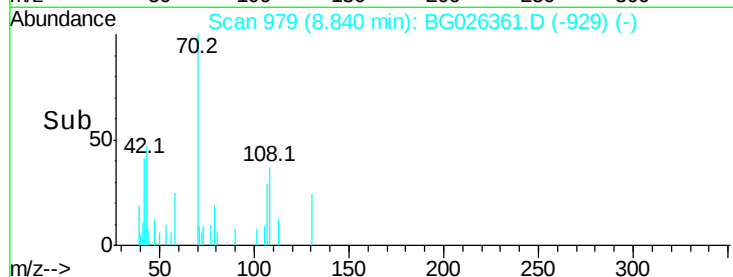
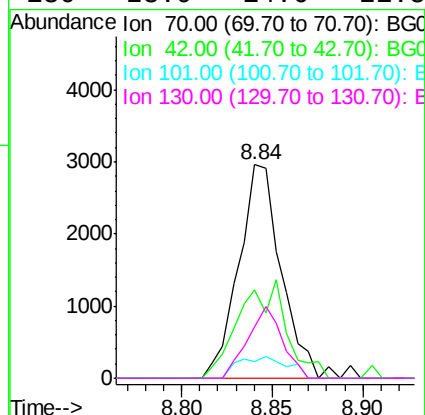
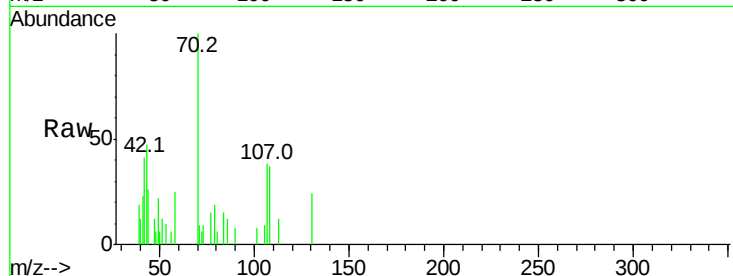




#19
n-Nitroso-di-n-propylamine
Concen: 0.84 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

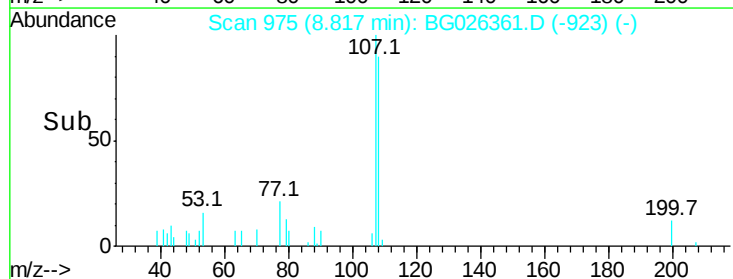
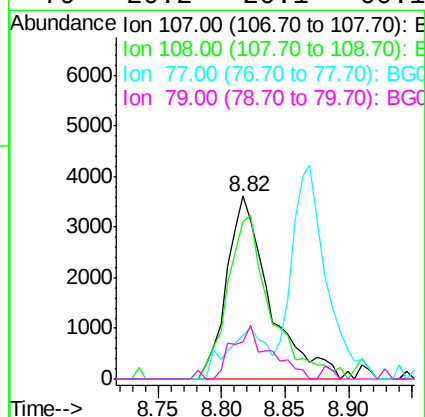
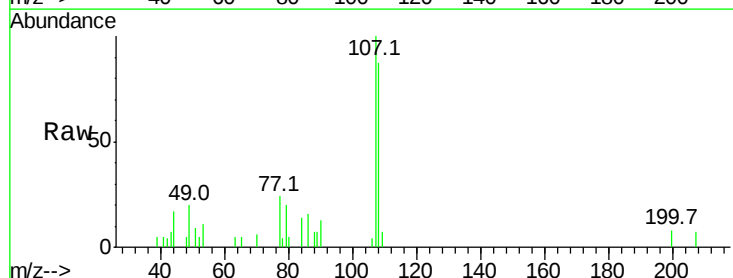
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

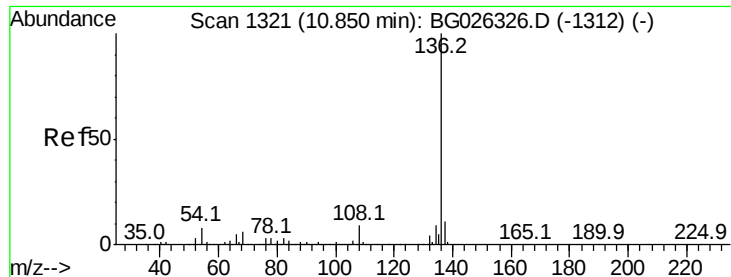
Tot Ion: 70 Resp: 4820
Ion Ratio Lower Upper
70 100
42 41.2 56.1 84.1#
101 7.8 7.5 11.3
130 23.9 14.6 21.8#



#20
3+4-Methylphenols
Concen: 0.90 ng
RT: 8.82 min Scan# 975
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion: 107 Resp: 8401
Ion Ratio Lower Upper
107 100
108 86.5 70.8 110.8
77 23.9 25.8 65.8#
79 20.2 20.1 60.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 510944

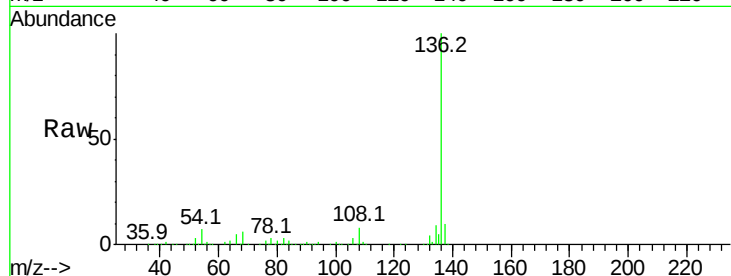
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.6 9.3 13.9#

68 5.8 5.1 7.7

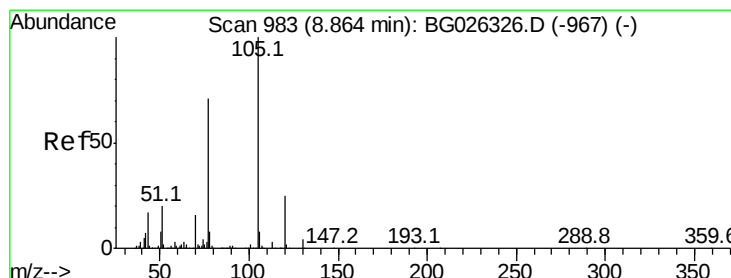
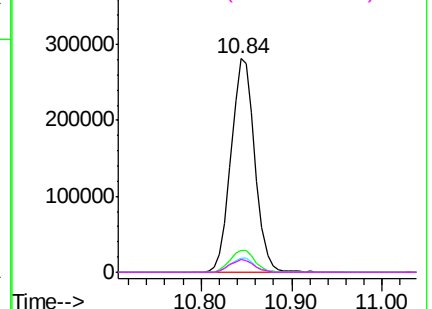
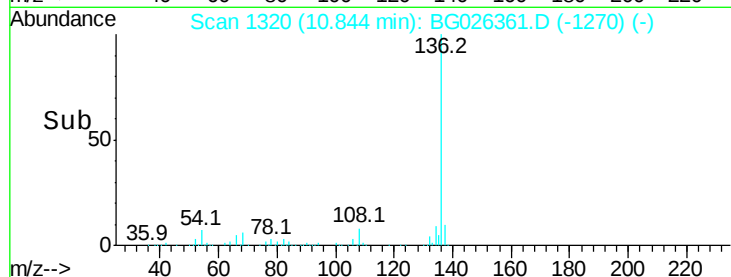


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.04 ng

RT: 8.87 min Scan# 984

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Tgt Ion:105 Resp: 12201

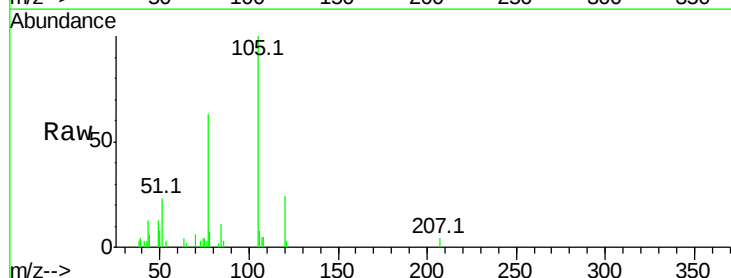
Ion Ratio Lower Upper

105 100

71 0.0 0.9 1.3#

51 22.9 34.0 51.0#

120 24.0 17.3 25.9

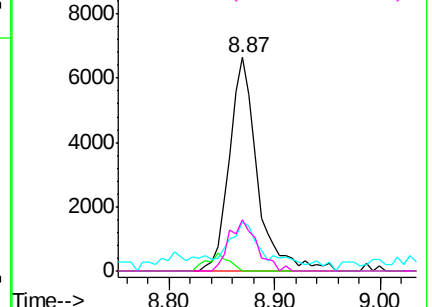
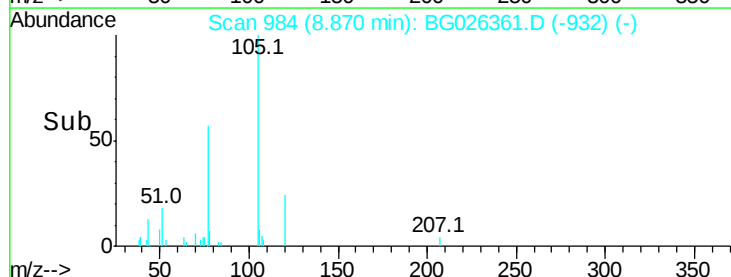


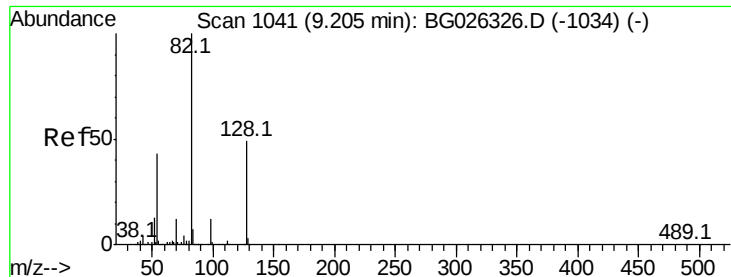
Abundance Ion 105.00 (104.70 to 105.70): E

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

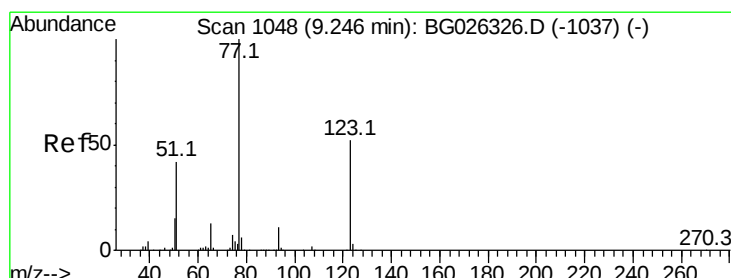
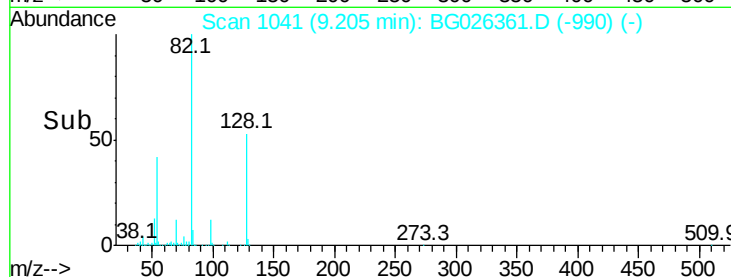
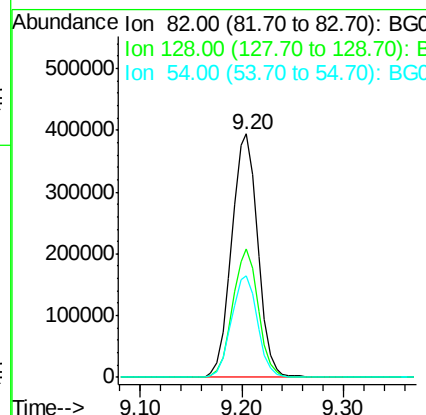
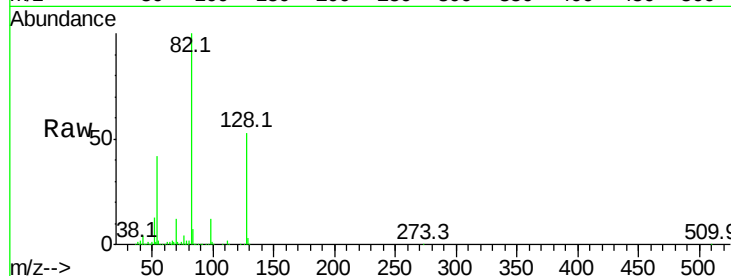




#23
 Nitrobenzene-d5
 Concen: 82.98 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

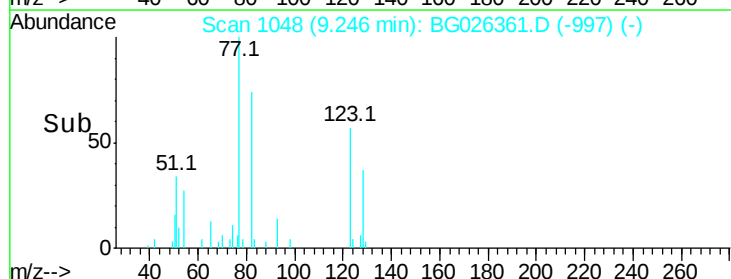
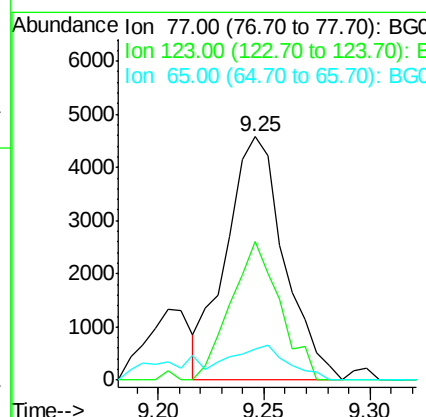
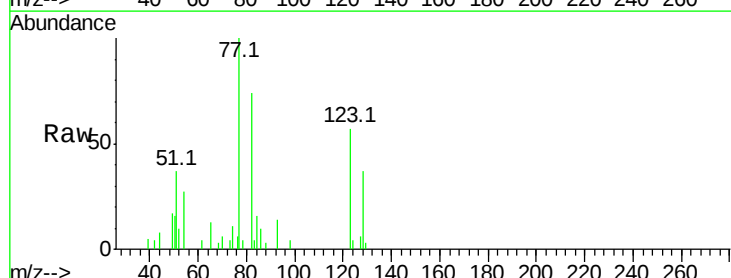
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

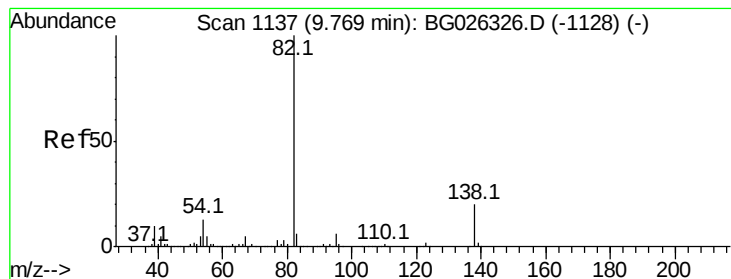
Tot Ion: 82 Resp: 705139
 Ion Ratio Lower Upper
 82 100
 128 52.8 26.4 39.6#
 54 41.7 49.4 74.2#



#24
 Nitrobenzene
 Concen: 1.04 ng
 RT: 9.25 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion: 77 Resp: 8718
 Ion Ratio Lower Upper
 77 100
 123 56.8 26.1 39.1#
 65 12.6 12.4 18.6





#25

Isophorone

Concen: 0.94 ng

RT: 9.76 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

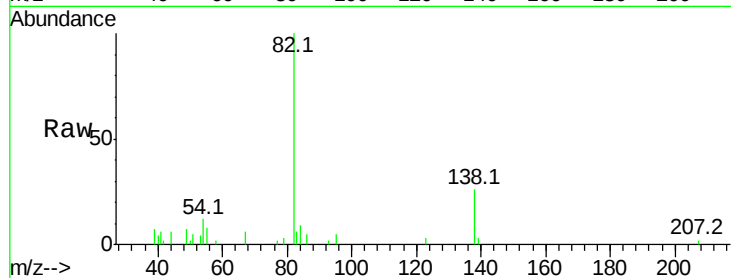
Tot Ion: 82 Resp: 15128

Ion Ratio Lower Upper

82 100

95 5.4 7.5 11.3#

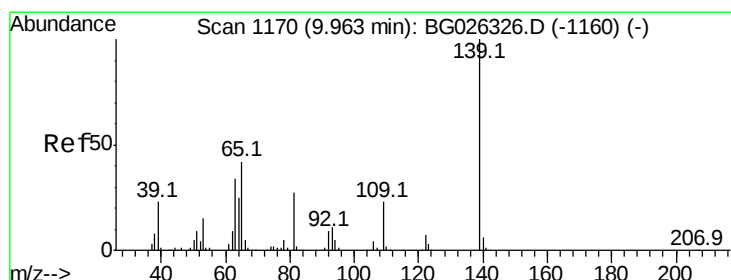
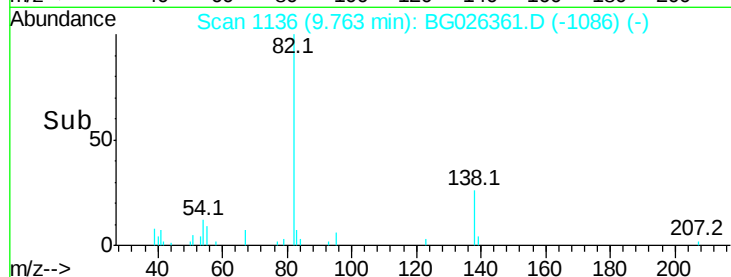
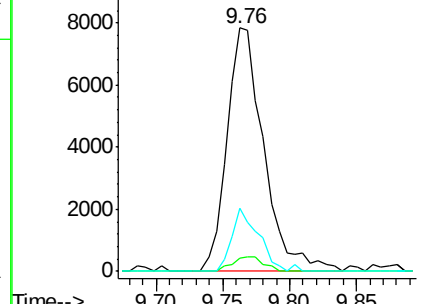
138 25.7 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 0.83 ng

RT: 9.97 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

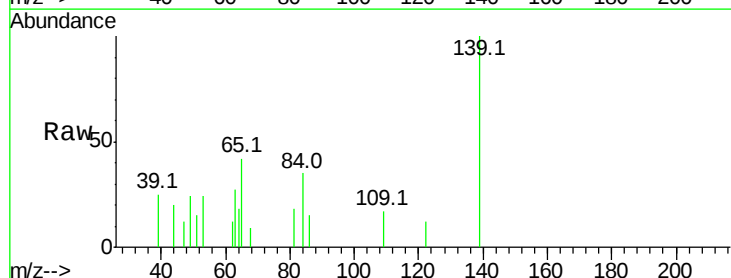
Tgt Ion: 139 Resp: 3621

Ion Ratio Lower Upper

139 100

109 16.7 38.6 58.0#

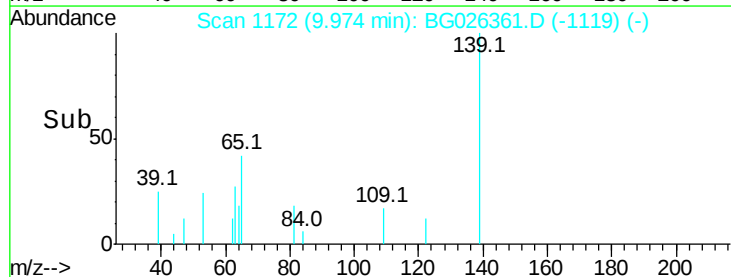
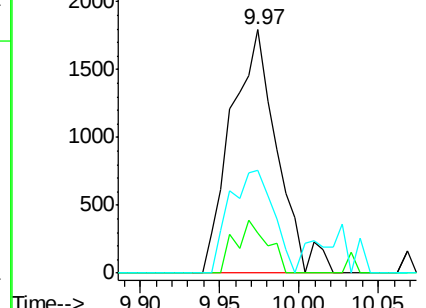
65 42.1 57.1 85.7#

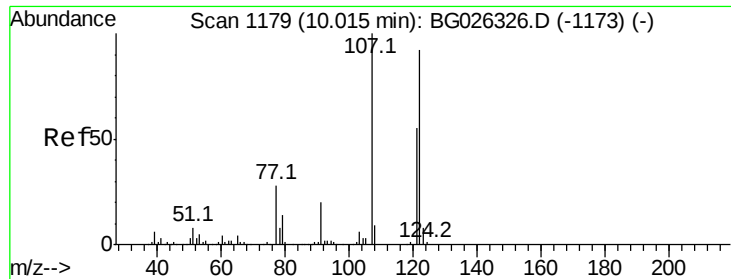


Abundance Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

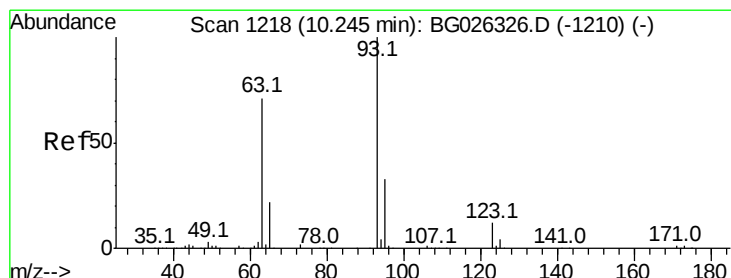
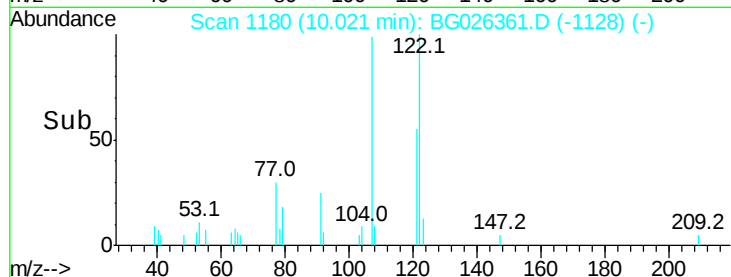
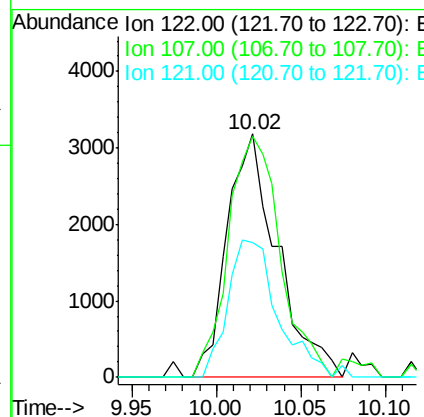
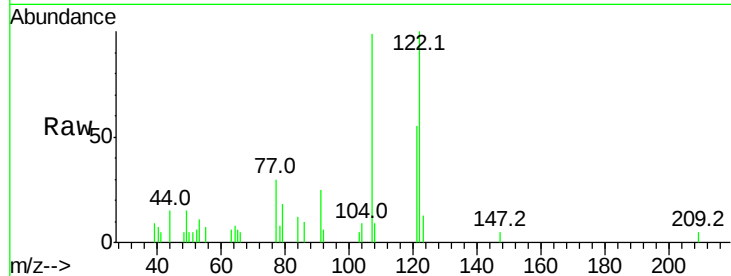




#27
 2,4-Dimethylphenol
 Concen: 0.92 ng
 RT: 10.02 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

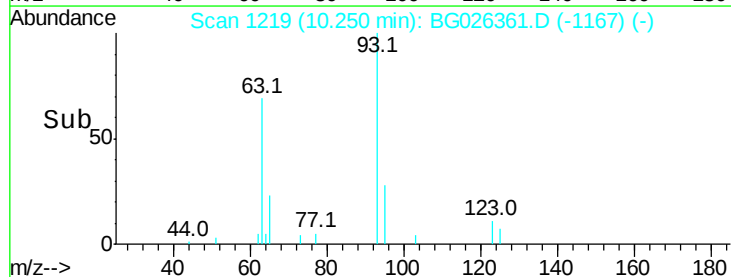
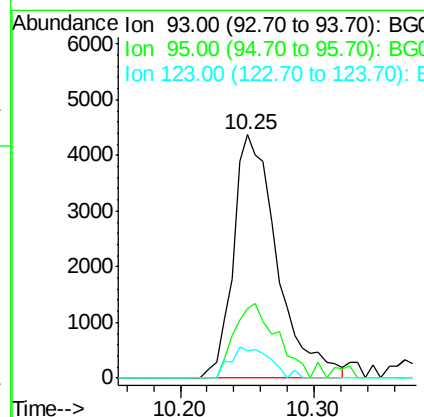
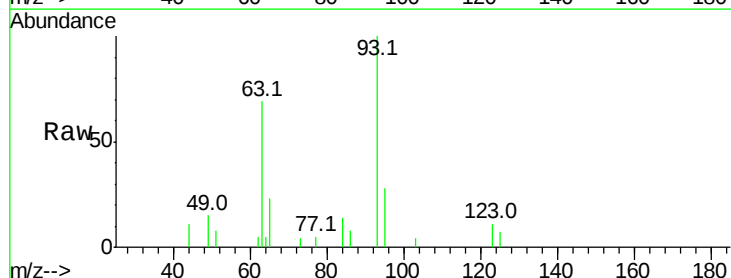
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

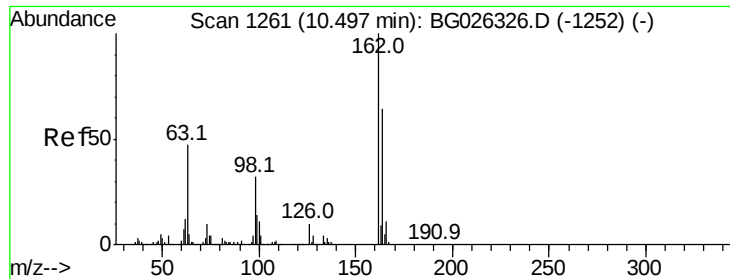
Tot Ion:122 Resp: 6589
 Ion Ratio Lower Upper
 122 100
 107 99.0 104.2 156.4#
 121 55.3 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.96 ng
 RT: 10.25 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion: 93 Resp: 9939
 Ion Ratio Lower Upper
 93 100
 95 28.4 25.7 38.5
 123 11.3 8.3 12.5

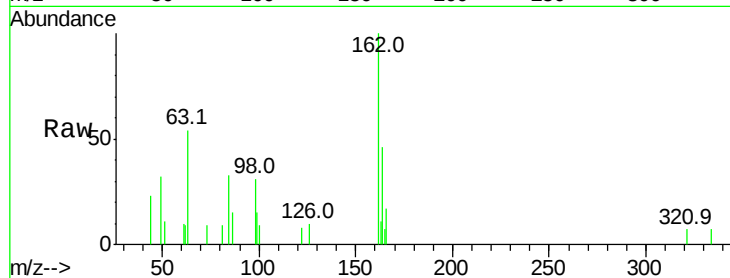




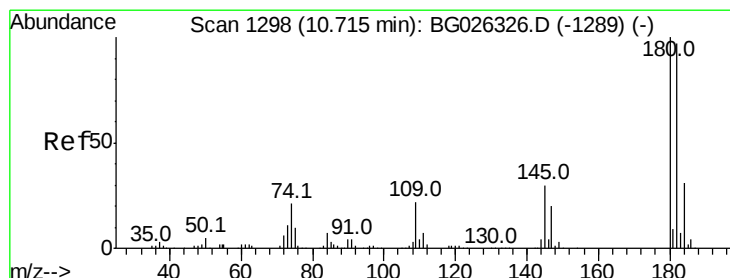
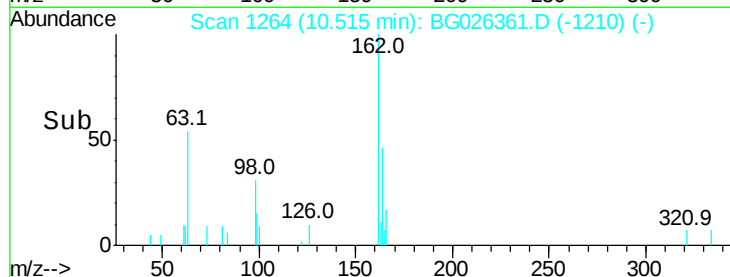
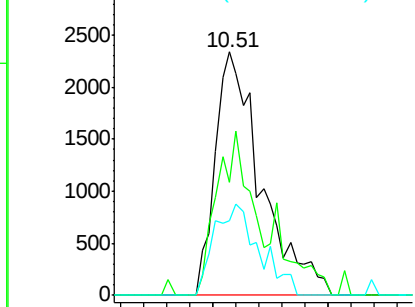
#29
2,4-Dichlorophenol
Concen: 0.89 ng
RT: 10.51 min Scan# 1264
Delta R.T. 0.02 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:162 Resp: 6483
Ion Ratio Lower Upper
162 100
164 46.4 42.4 82.4
98 30.7 20.3 60.3

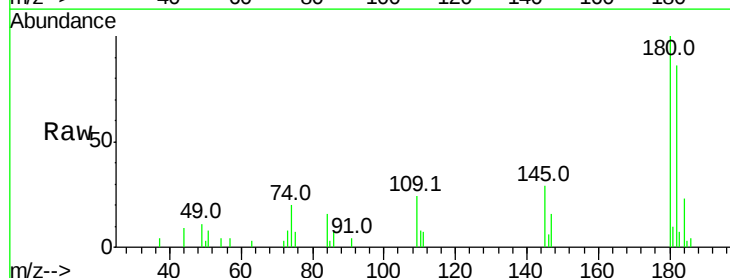


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): B

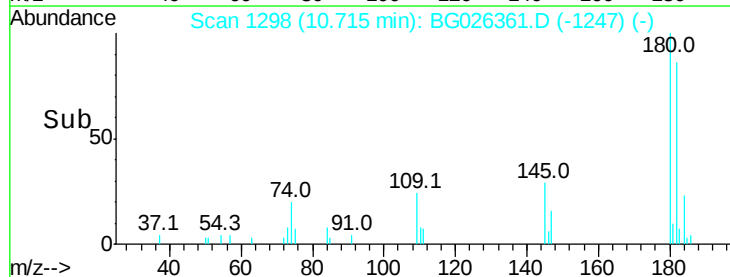
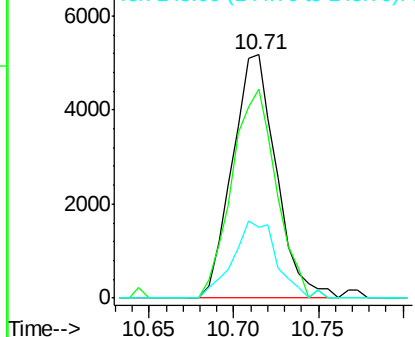


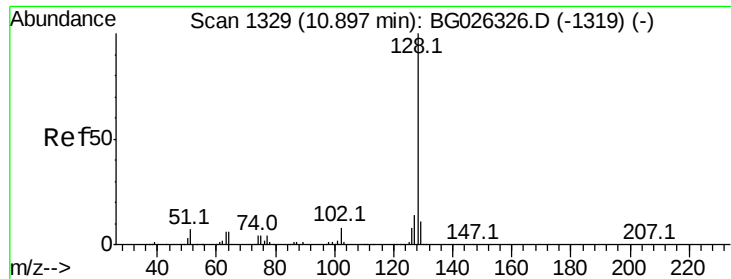
#30
1,2,4-Trichlorobenzene
Concen: 1.15 ng
RT: 10.71 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:180 Resp: 9341
Ion Ratio Lower Upper
180 100
182 92.6 77.0 115.4
145 29.1 23.4 35.0



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

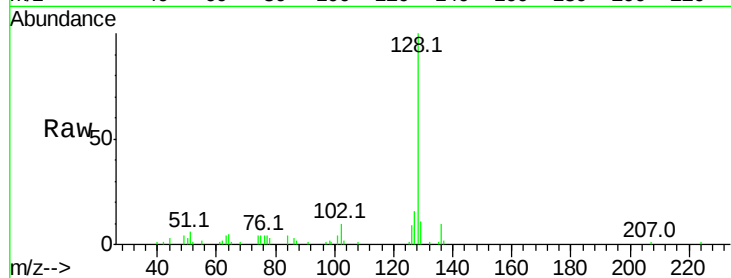




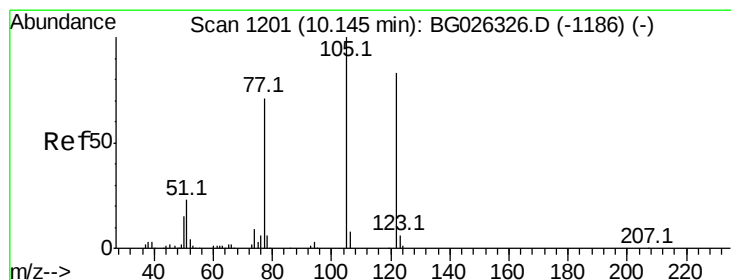
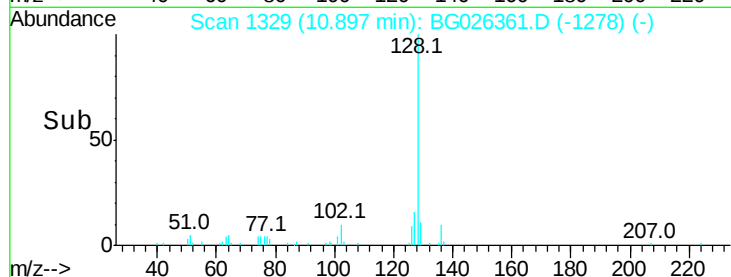
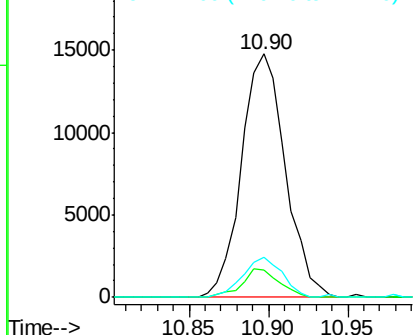
#31
Naphthalene
Concen: 1.10 ng
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:128 Resp: 28378
Ion Ratio Lower Upper
128 100
129 11.5 9.3 13.9
127 16.2 11.4 17.0

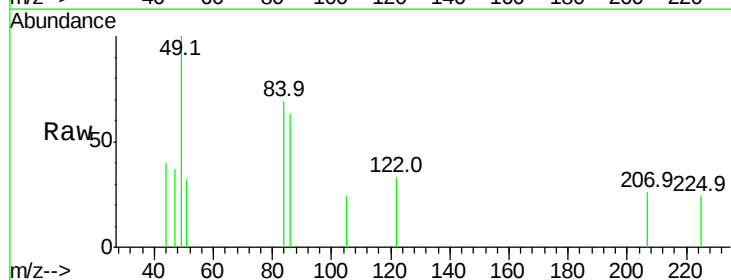


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

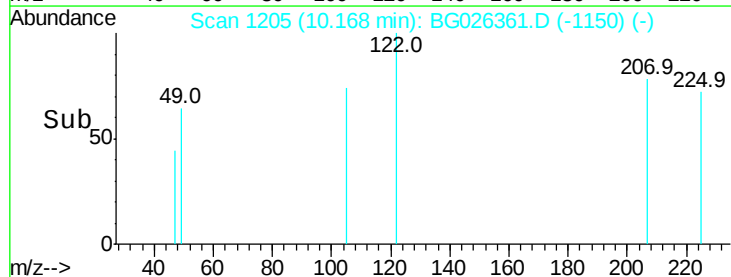
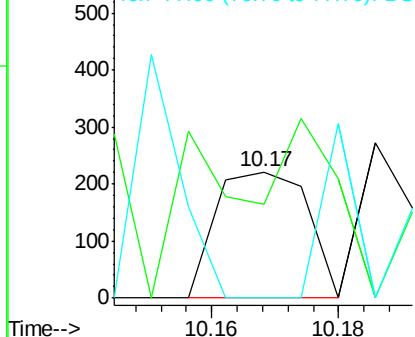


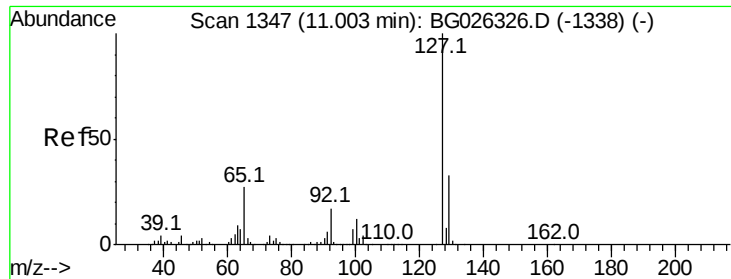
#32
Benzoic acid
Concen: 0.04 ng
RT: 10.17 min Scan# 1205
Delta R.T. 0.02 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:122 Resp: 220
Ion Ratio Lower Upper
122 100
105 74.2 120.1 160.1#
77 0.0 104.6 144.6#



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

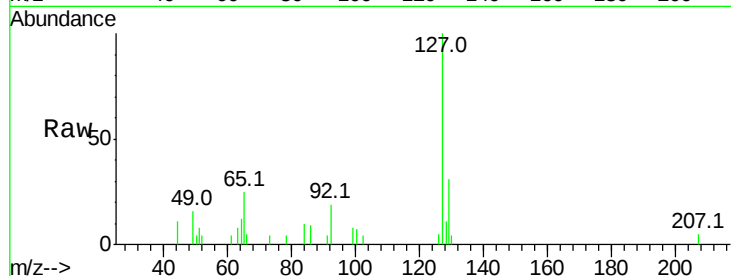




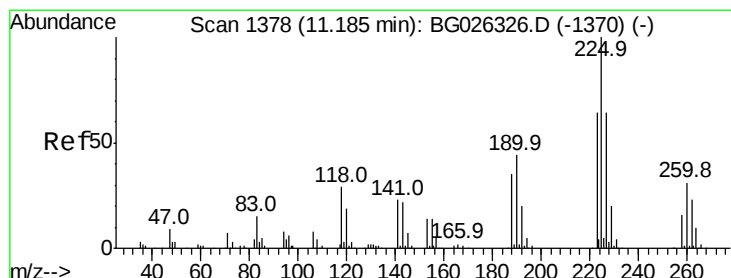
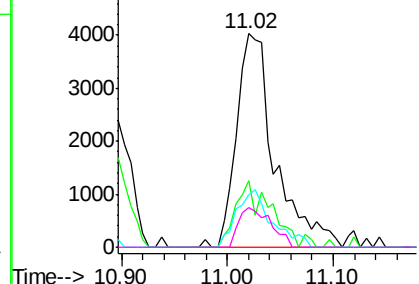
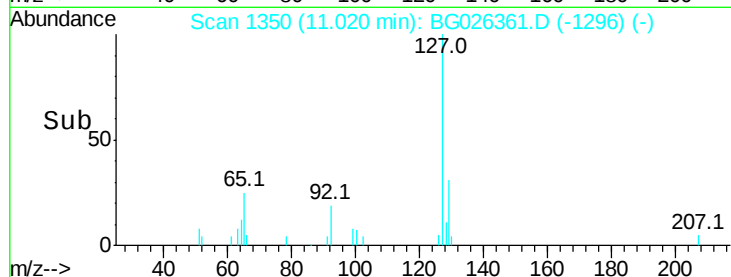
#33
4-Chloroaniline
Concen: 0.96 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:	127	Resp:	10035
Ion	Ratio	Lower	Upper
127	100		
129	31.2	23.6	35.4
65	24.7	37.7	56.5#
92	18.7	17.6	26.4

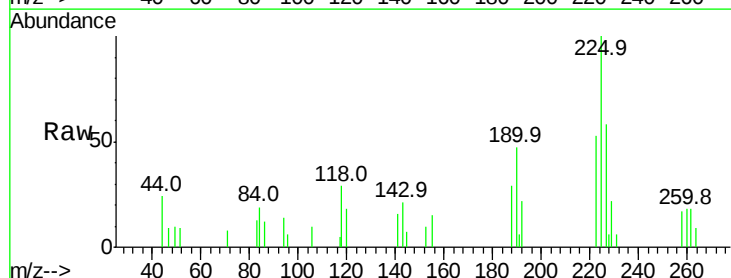


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

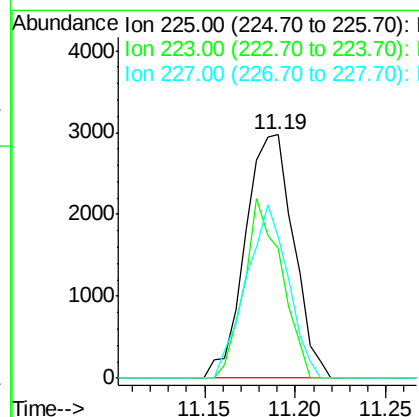
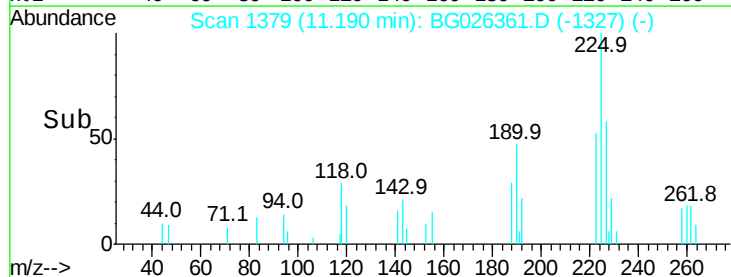


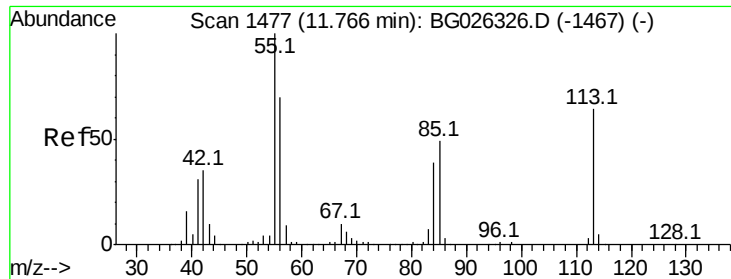
#34
Hexachlorobutadiene
Concen: 1.15 ng
RT: 11.19 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:	225	Resp:	5510
Ion	Ratio	Lower	Upper
225	100		
223	53.3	50.7	76.1
227	57.9	49.0	73.6



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: 0.72 ng

RT: 11.75 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

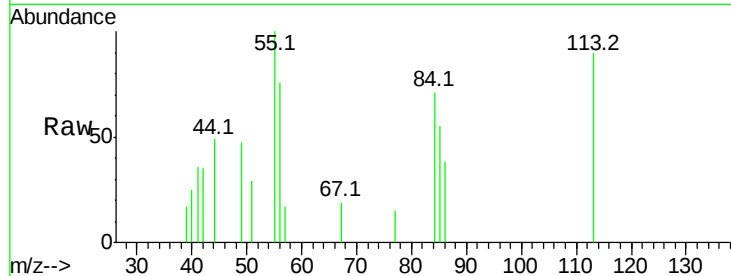
Tot Ion:113 Resp: 2070

Ion Ratio Lower Upper

113 100

55 110.6 198.6 238.6#

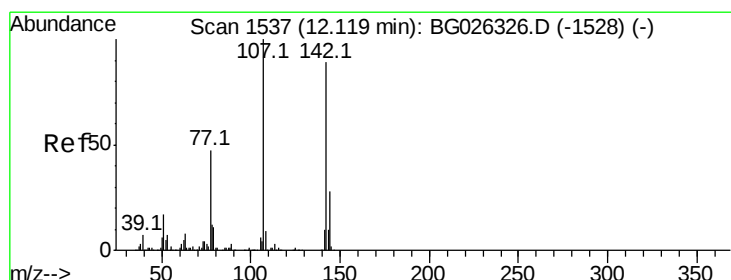
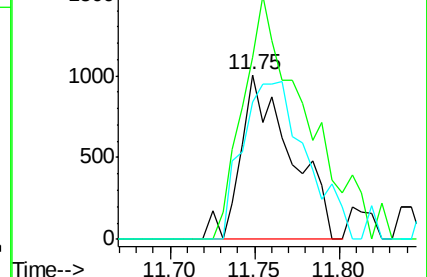
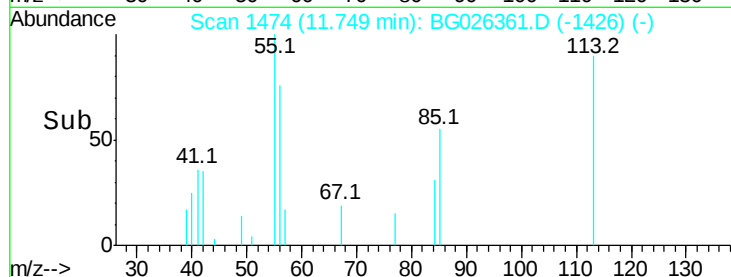
56 84.0 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#36

4-Chloro-3-methylphenol

Concen: 0.88 ng

RT: 12.12 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

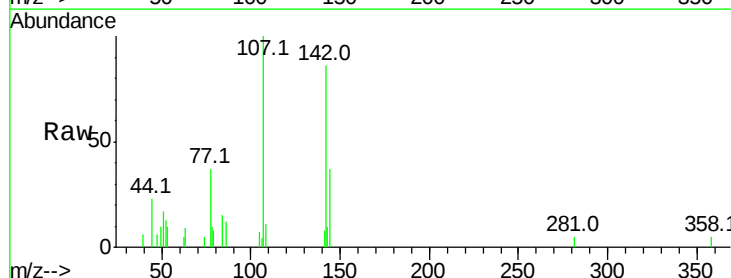
Tgt Ion:107 Resp: 6784

Ion Ratio Lower Upper

107 100

144 37.3 17.4 26.0#

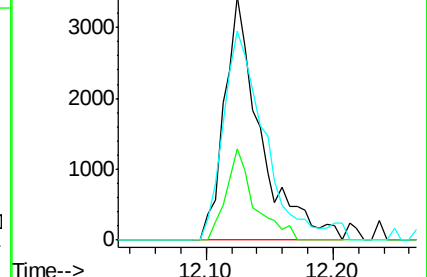
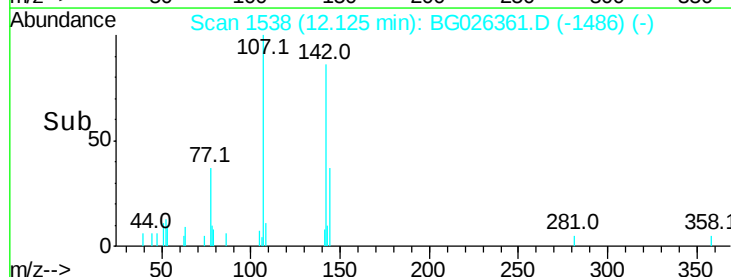
142 86.0 54.1 81.1#

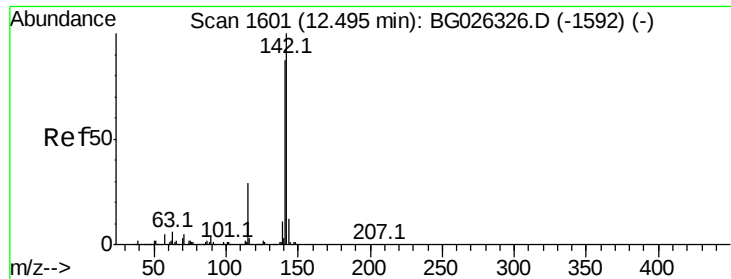


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

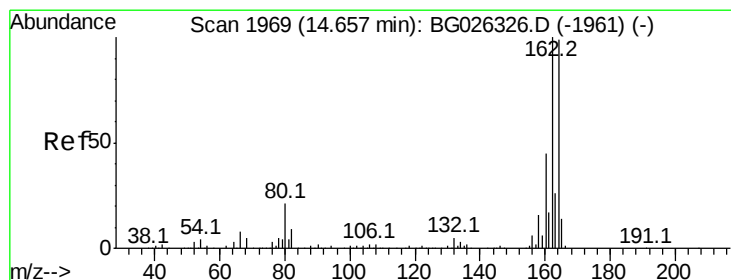
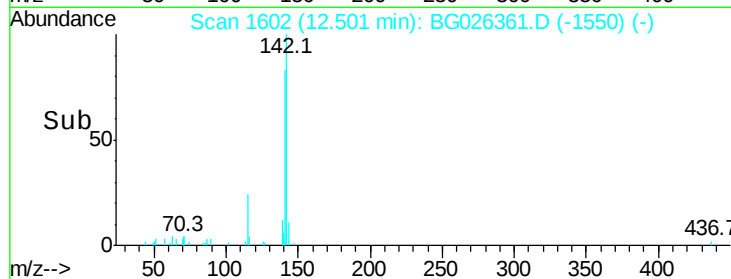
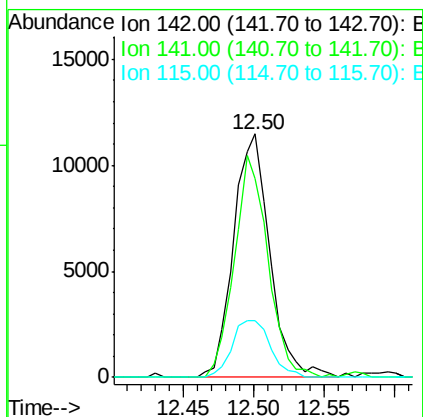
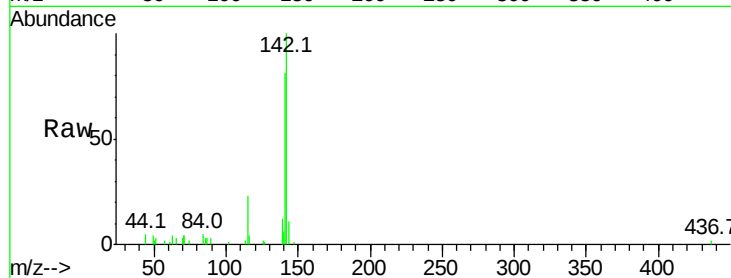




#37
2-Methylnaphthalene
Concen: 1.09 ng
RT: 12.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

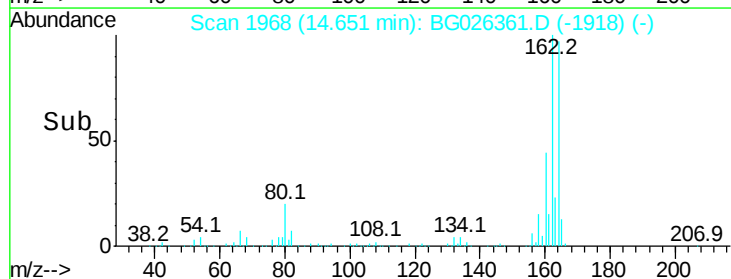
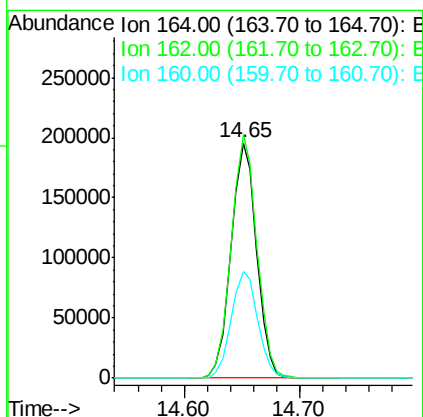
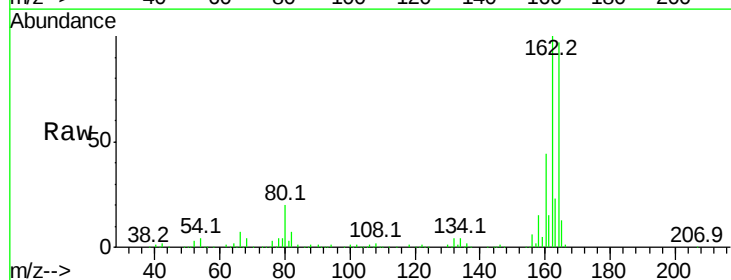
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

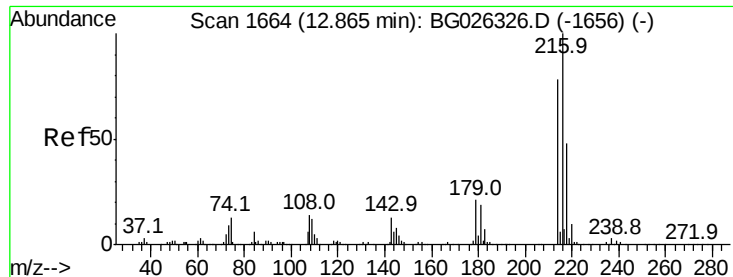
Tot Ion:142 Resp: 20543
Ion Ratio Lower Upper
142 100
141 81.5 70.4 105.6
115 23.4 35.5 53.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:164 Resp: 298140
Ion Ratio Lower Upper
164 100
162 103.5 85.1 127.7
160 45.5 34.7 52.1

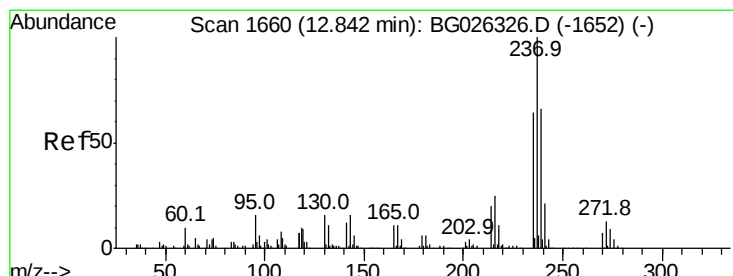
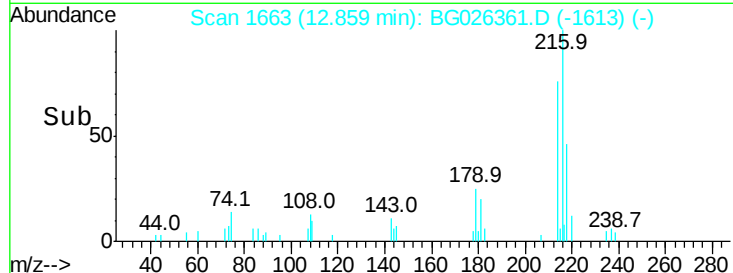
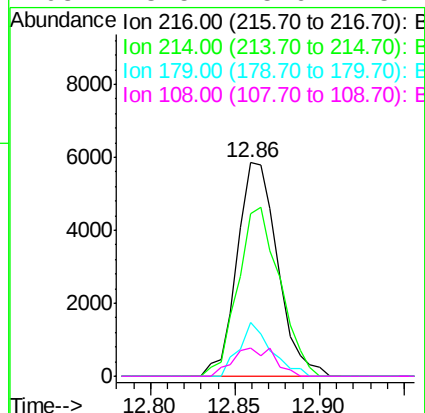
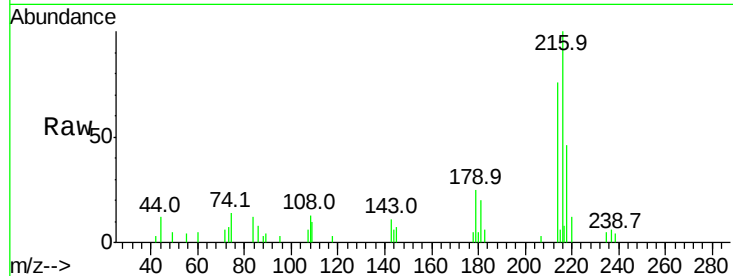




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.09 ng
 RT: 12.86 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

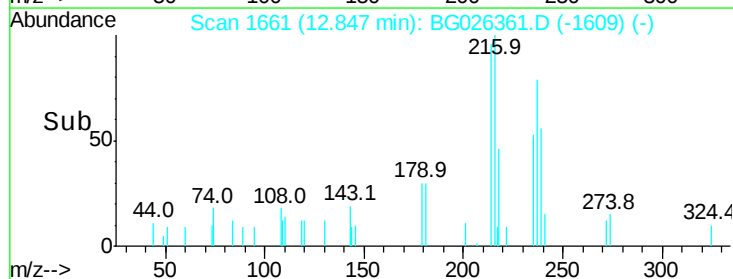
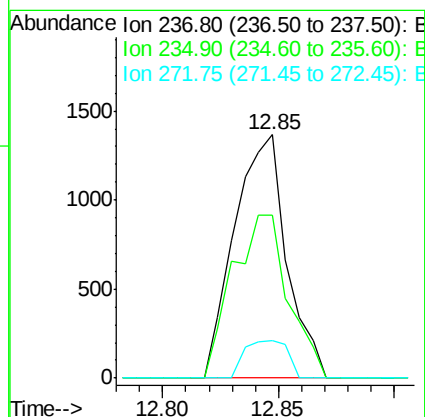
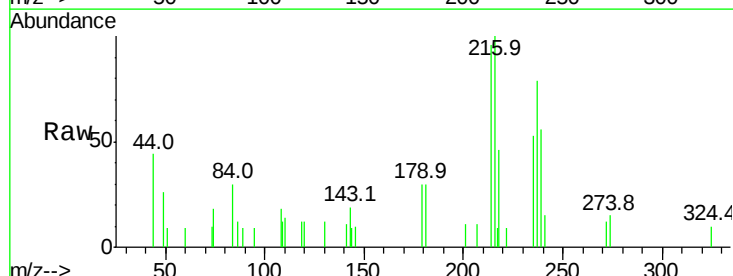
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

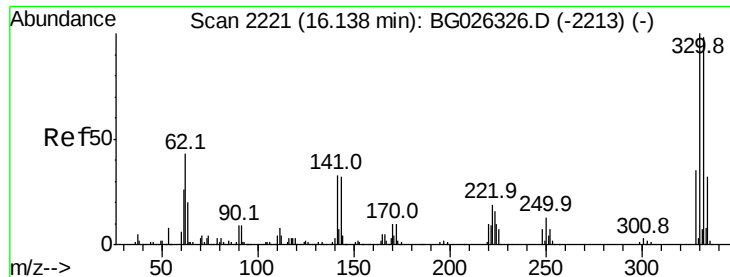
Tot Ion:	216	Resp:	9773
Ion	Ratio	Lower	Upper
216	100		
214	81.5	64.4	96.6
179	20.0	17.4	26.0
108	13.5	15.6	23.4



#40
 Hexachlorocyclopentadiene
 Concen: 0.45 ng
 RT: 12.85 min Scan# 1661
 Delta R.T. 0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:	237	Resp:	2146
Ion	Ratio	Lower	Upper
237	100		
235	66.9	39.4	79.4
272	15.5	0.0	32.0





#41

2,4,6-Tribromophenol

Concen: 149.07 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

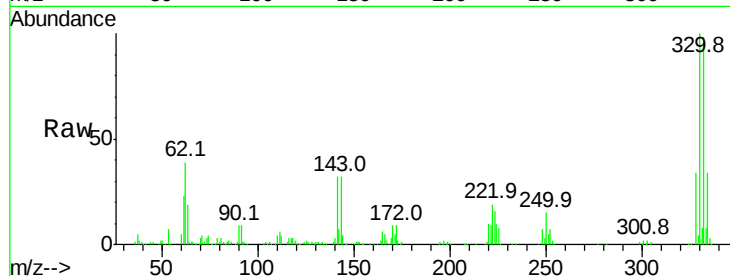
Tot Ion:330 Resp: 508973

Ion Ratio Lower Upper

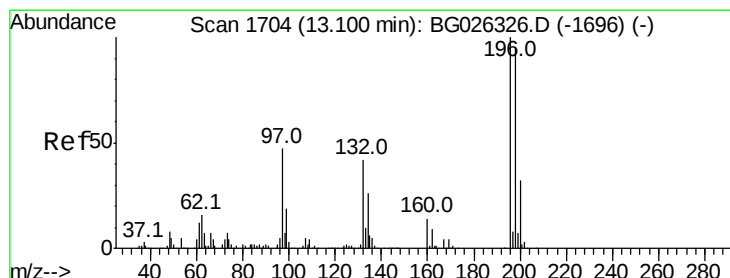
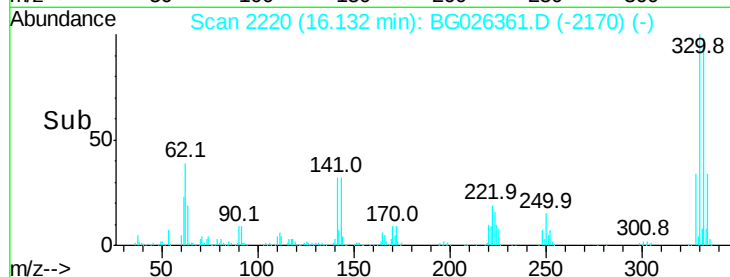
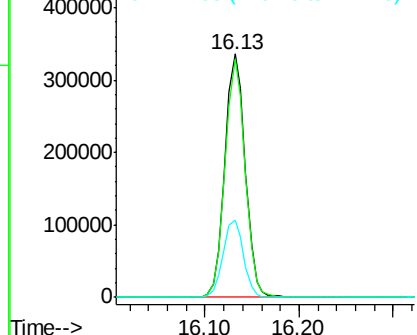
330 100

332 96.1 77.3 115.9

141 32.0 32.1 48.1#



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



#42

2,4,6-Trichlorophenol

Concen: 0.89 ng

RT: 13.11 min Scan# 1705

Delta R.T. 0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

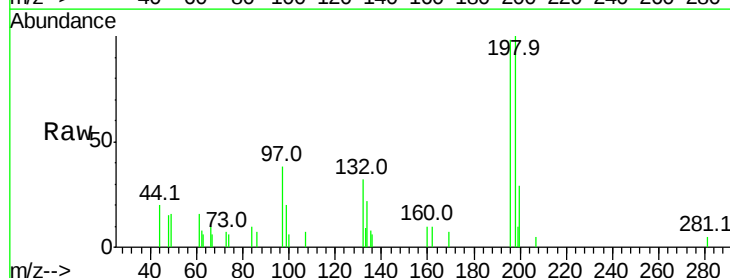
Tgt Ion:196 Resp: 5238

Ion Ratio Lower Upper

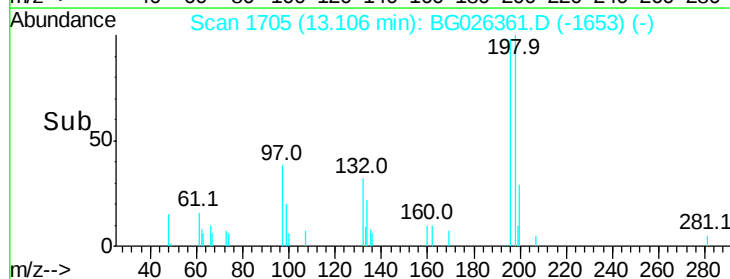
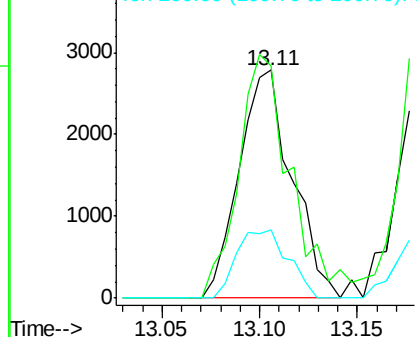
196 100

198 101.9 81.4 122.2

200 29.8 27.0 40.6



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

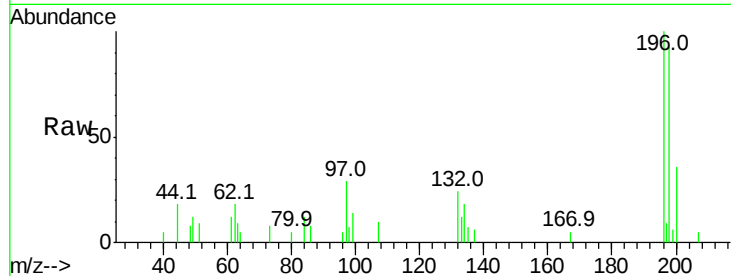




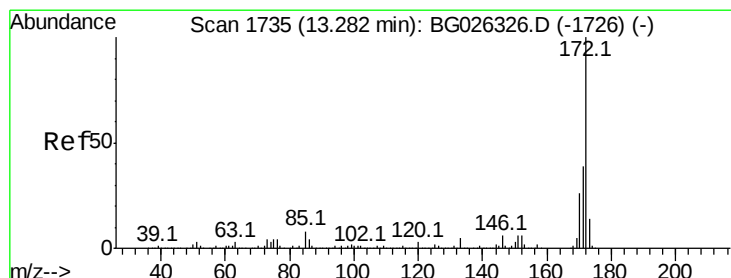
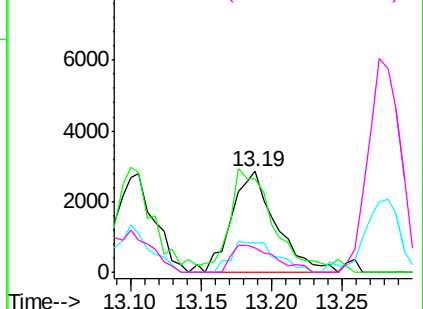
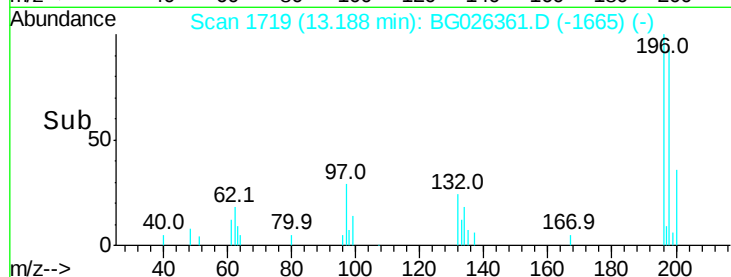
#43
 2,4,5-Trichlorophenol
 Concen: 0.96 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.02 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:196 Resp: 6232
 Ion Ratio Lower Upper
 196 100
 198 93.0 79.9 119.9
 97 29.1 45.4 68.0#
 132 23.7 20.7 31.1

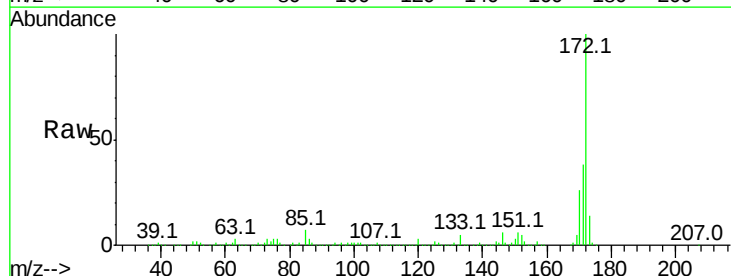


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BG
 Ion 132.00 (131.70 to 132.70): E

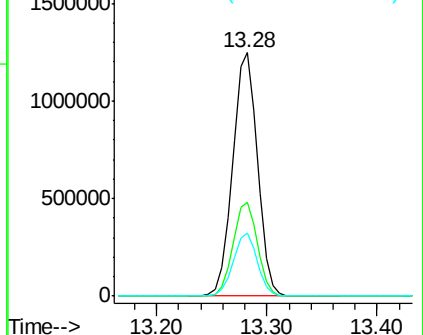
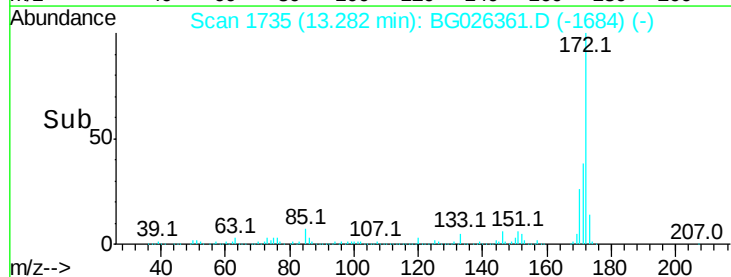


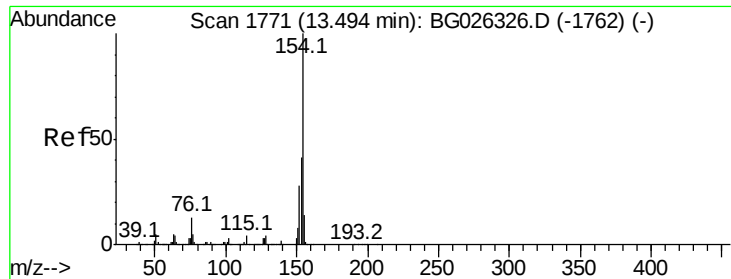
#44
 2-Fluorobiphenyl
 Concen: 92.26 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:172 Resp: 1961515
 Ion Ratio Lower Upper
 172 100
 171 38.4 32.2 48.2
 170 26.0 21.8 32.6



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

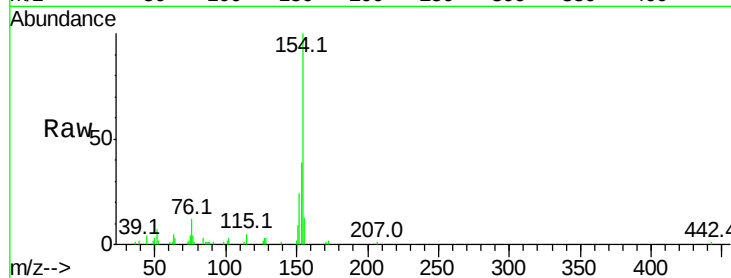




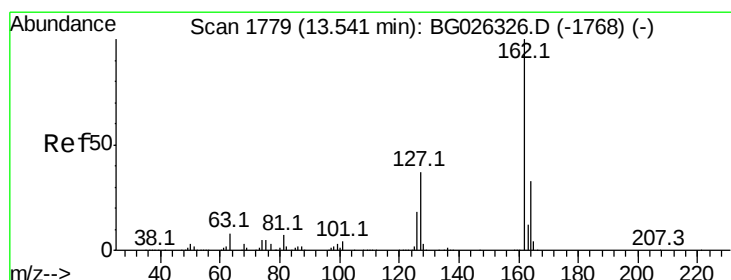
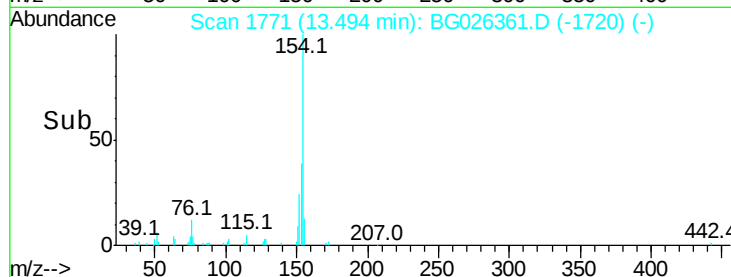
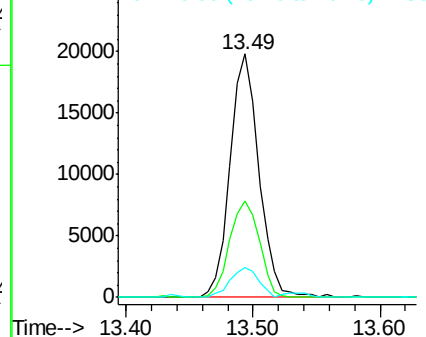
#45
 1,1'-Biphenyl
 Concen: 1.26 ng
 RT: 13.49 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:	154	Resp:	31102
Ion	Ratio	Lower	Upper
154	100		
153	39.4	23.0	63.0
76	12.1	0.0	33.5

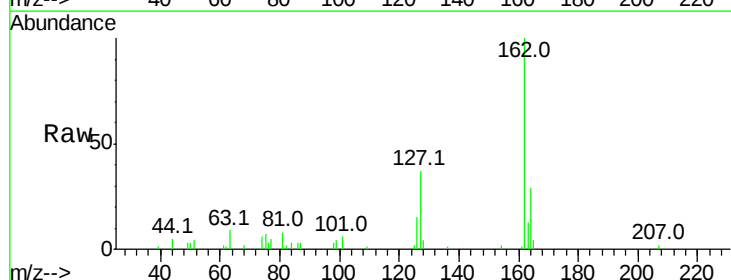


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

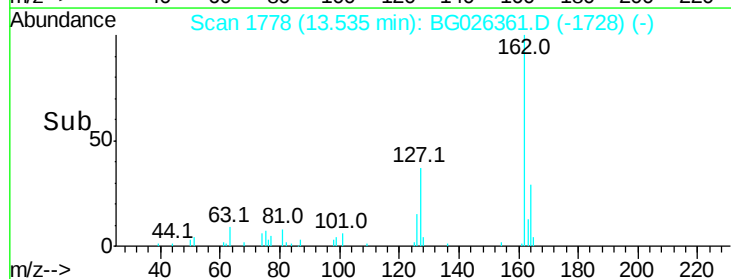
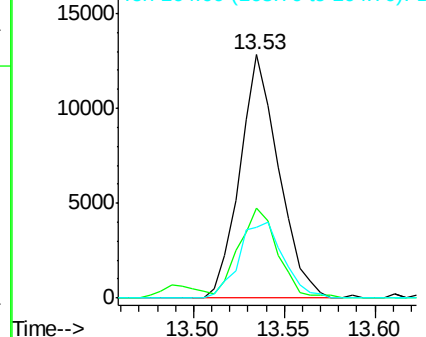


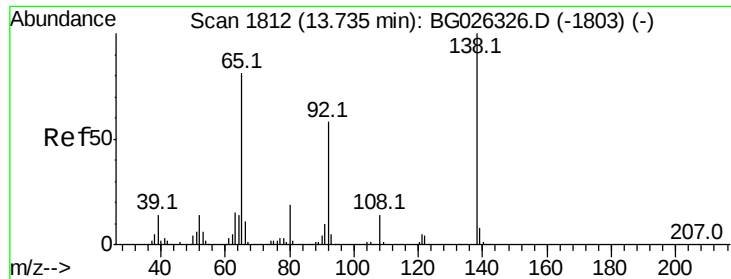
#46
 2-Chloronaphthalene
 Concen: 1.06 ng
 RT: 13.53 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:	162	Resp:	19082
Ion	Ratio	Lower	Upper
162	100		
127	37.0	32.2	48.4
164	29.3	27.3	40.9



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

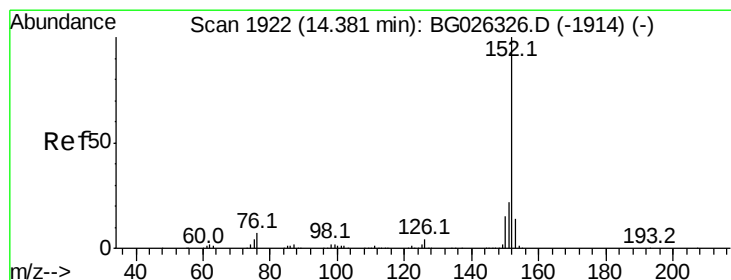
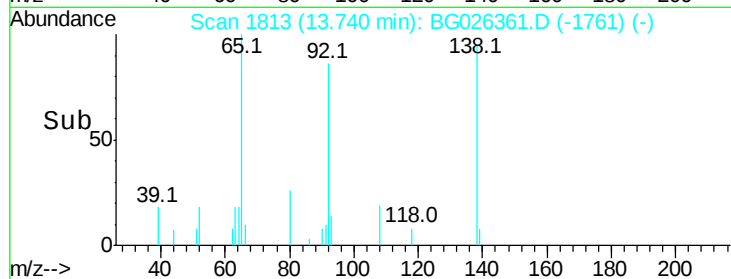
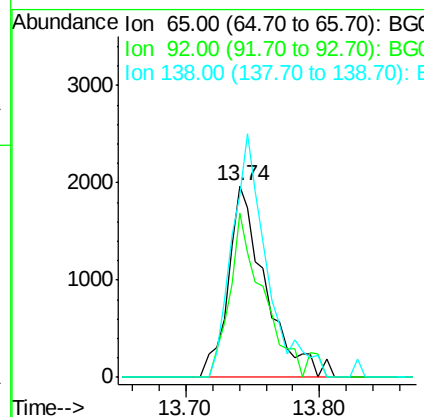
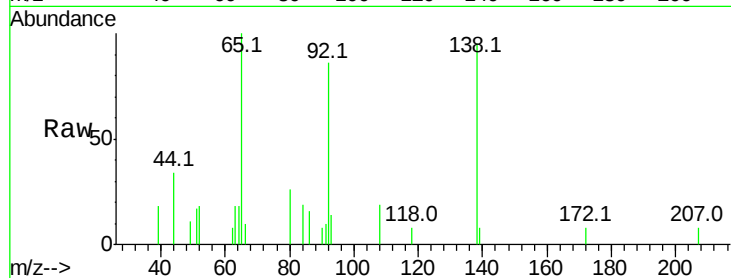




#47
2-Nitroaniline
Concen: 0.75 ng
RT: 13.74 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

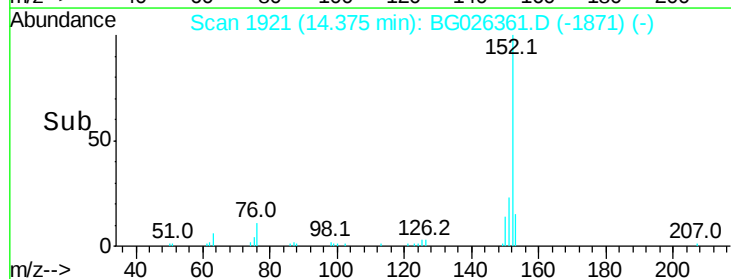
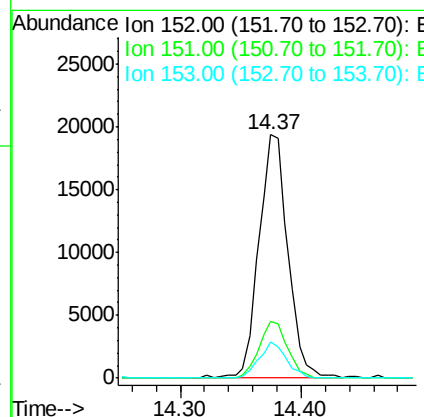
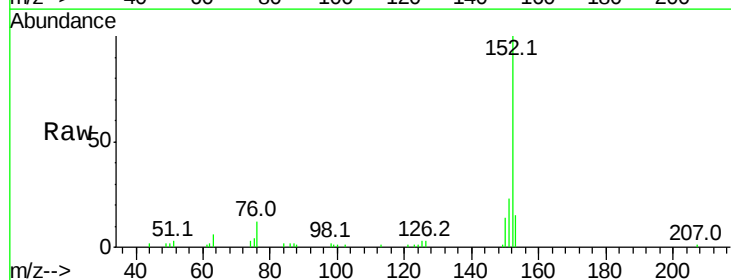
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

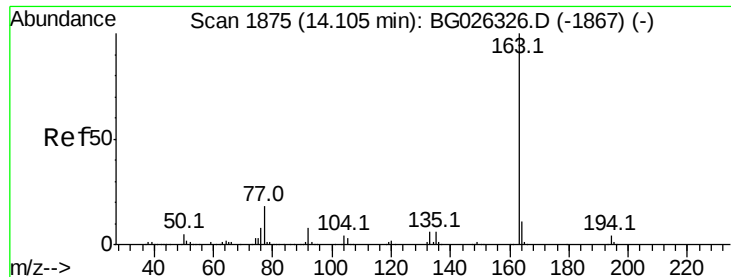
Tot Ion: 65 Resp: 3839
Ion Ratio Lower Upper
65 100
92 85.9 49.0 73.4#
138 94.9 58.6 87.8#



#48
Acenaphthylene
Concen: 1.03 ng
RT: 14.37 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion: 152 Resp: 32330
Ion Ratio Lower Upper
152 100
151 23.3 18.2 27.2
153 15.1 11.3 16.9





#49

Dimethylphthalate

Concen: 1.02 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

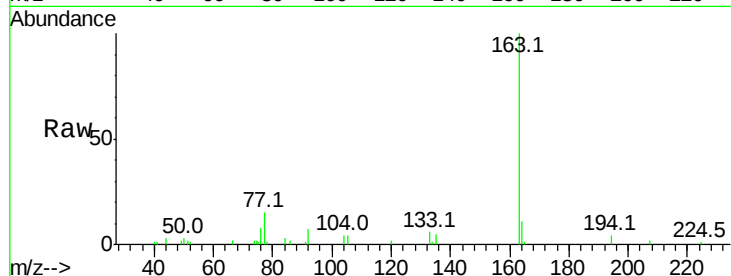
Tot Ion:163 Resp: 22985

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

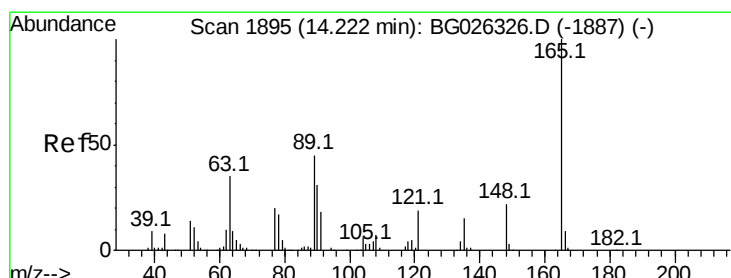
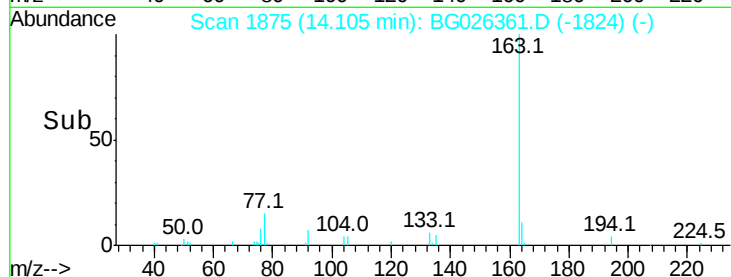
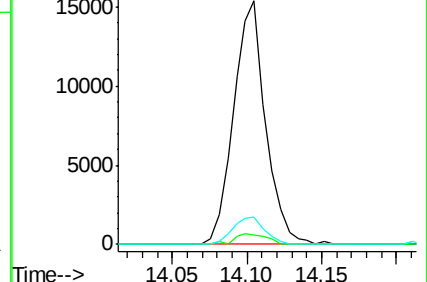
164 11.2 9.3 13.9



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: 0.80 ng

RT: 14.22 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

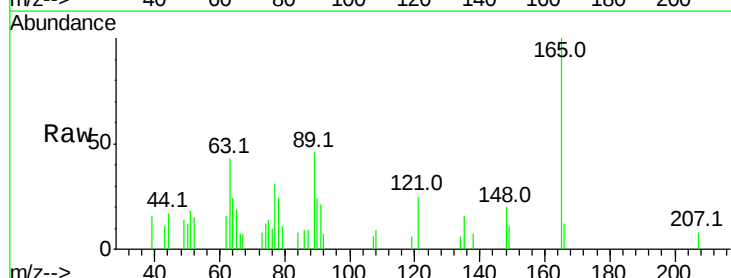
Tgt Ion:165 Resp: 4186

Ion Ratio Lower Upper

165 100

63 42.8 63.9 95.9#

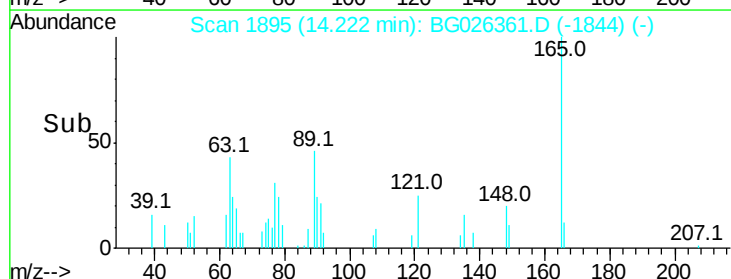
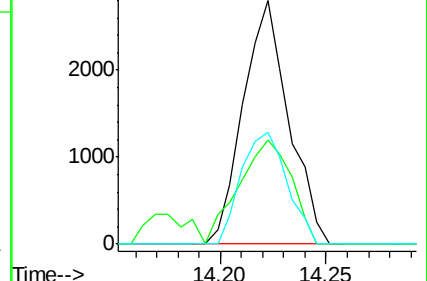
89 46.0 58.6 88.0#

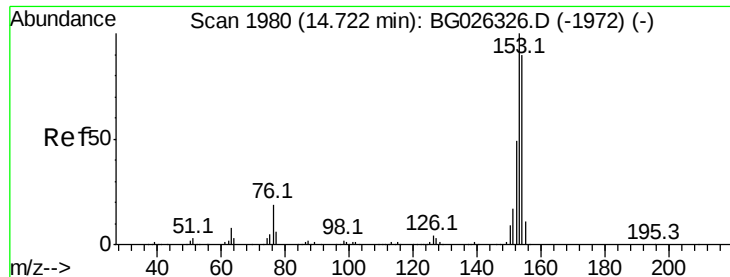


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 1.06 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

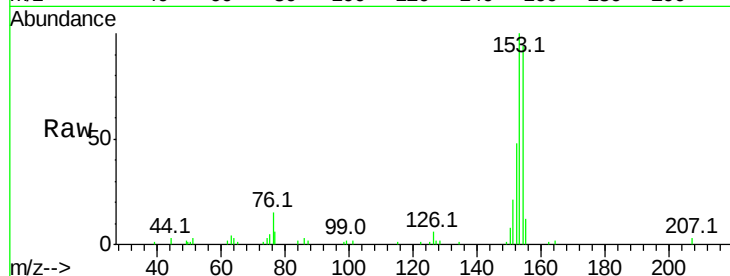
Tot Ion:154 Resp: 20480

Ion Ratio Lower Upper

154 100

153 106.7 87.8 131.6

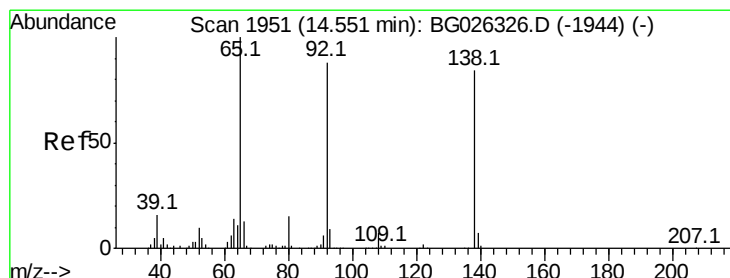
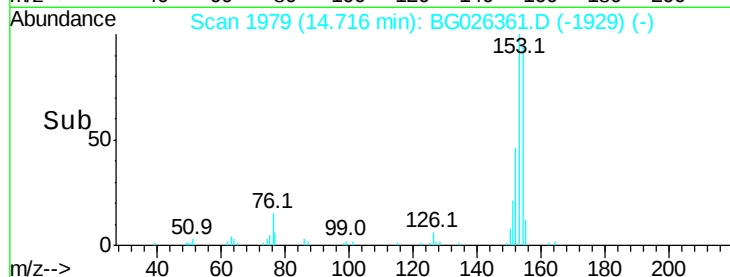
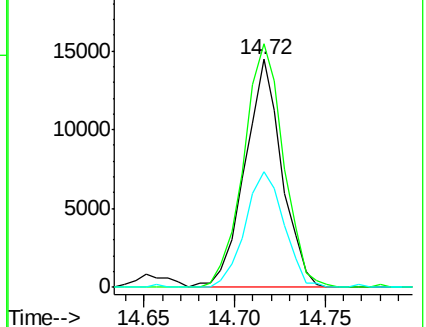
152 50.9 42.2 63.4



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: 0.74 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.02 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

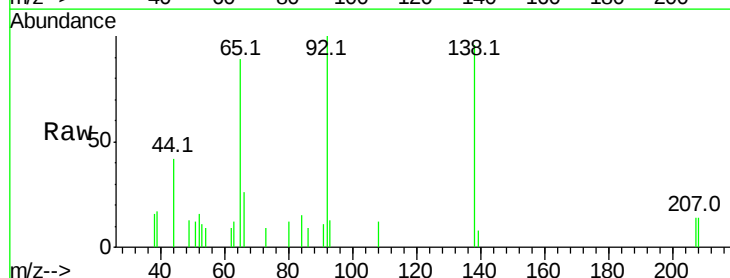
Tgt Ion:138 Resp: 4285

Ion Ratio Lower Upper

138 100

108 13.0 10.9 16.3

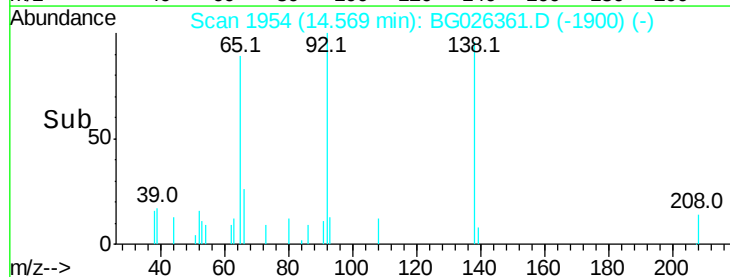
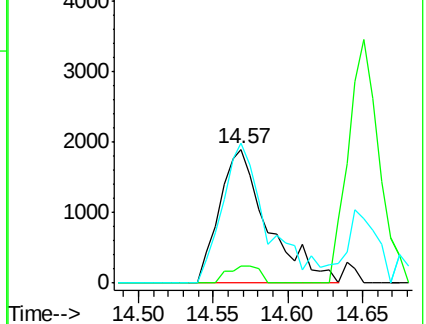
92 104.5 115.3 172.9#

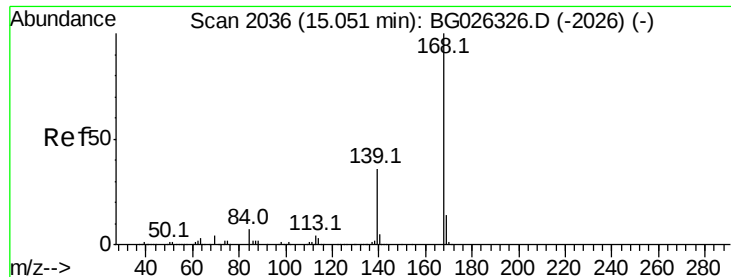


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

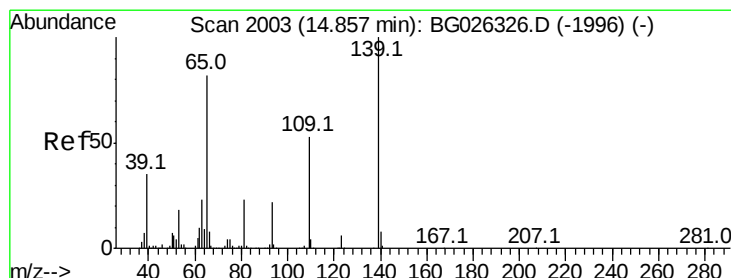
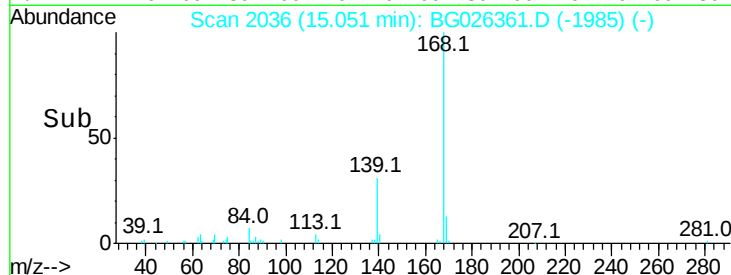
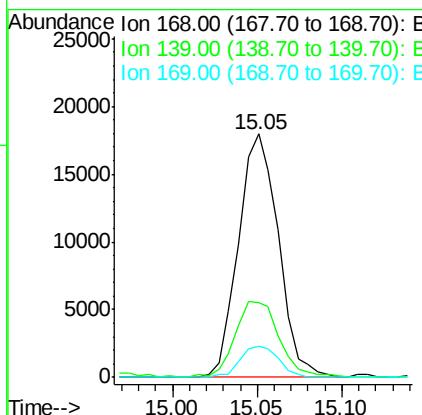
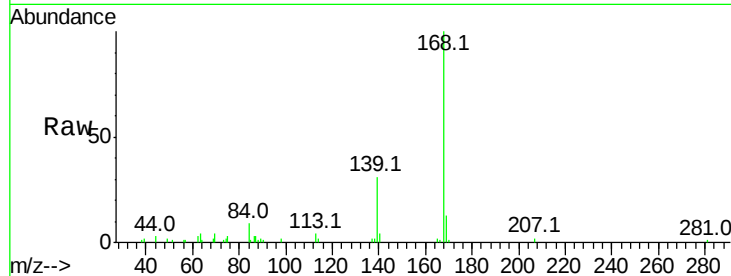




#54
Dibenzofuran
Concen: 1.08 ng
RT: 15.05 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

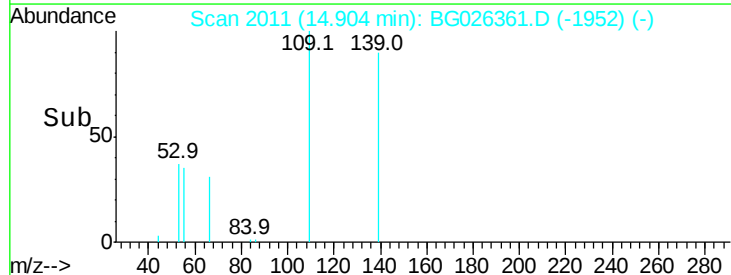
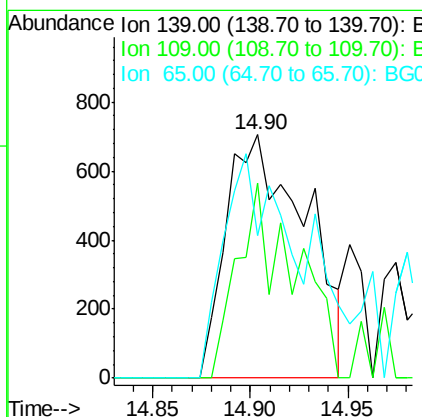
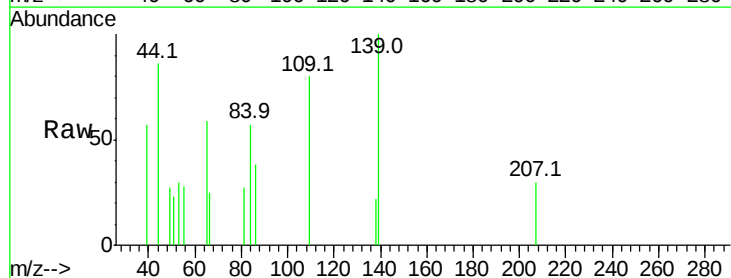
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

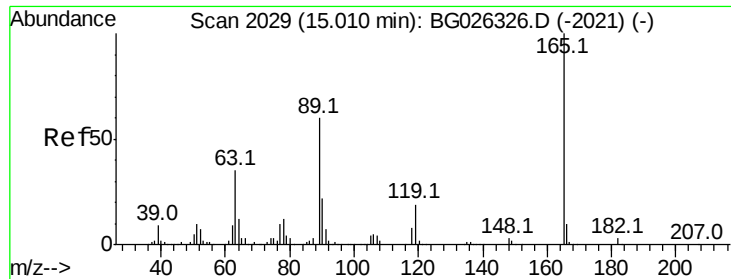
Tot Ion:168 Resp: 29540
Ion Ratio Lower Upper
168 100
139 30.9 35.3 52.9#
169 12.7 11.5 17.3



#55
4-Nitrophenol
Concen: 0.42 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.05 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:139 Resp: 1983
Ion Ratio Lower Upper
139 100
109 80.3 101.2 141.2#
65 58.6 135.3 175.3#

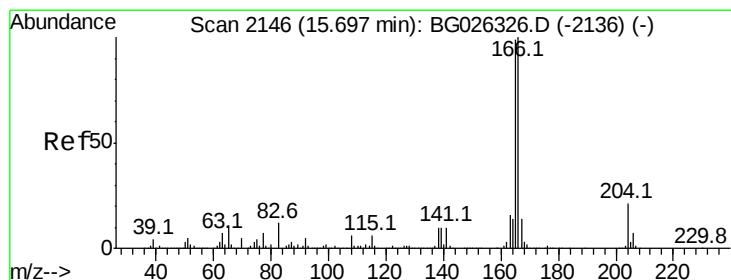
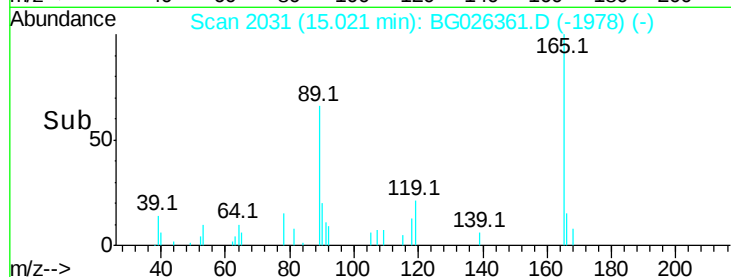
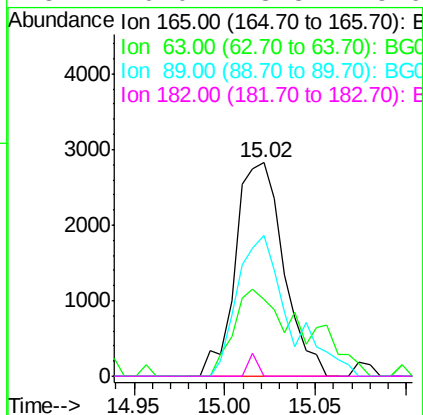
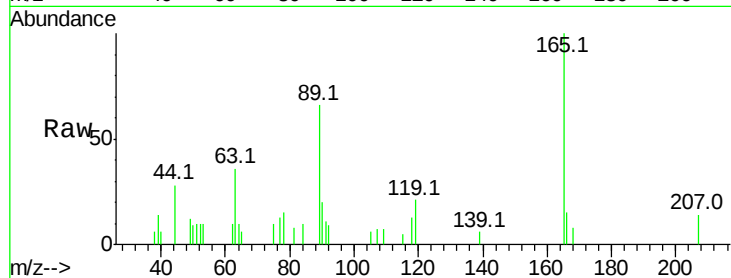




#56
2,4-Dinitrotoluene
Concen: 0.71 ng
RT: 15.02 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

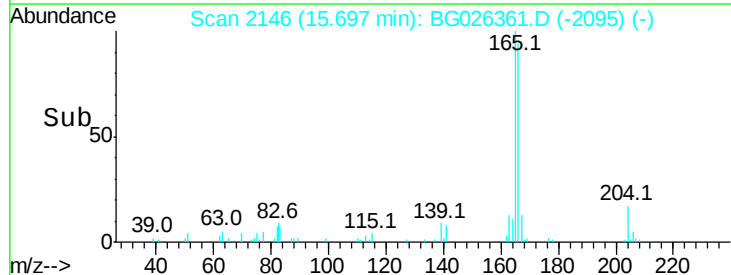
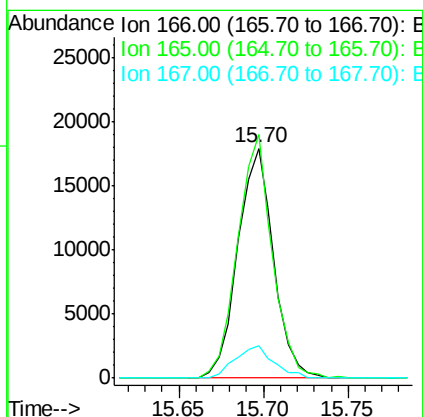
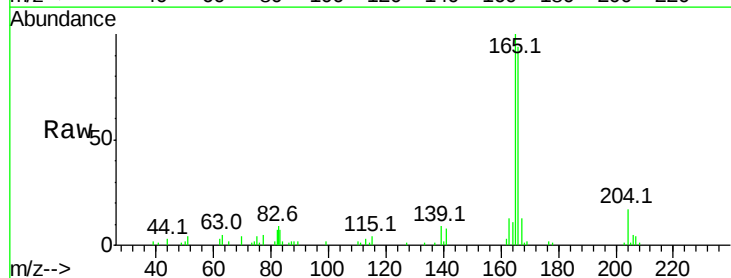
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

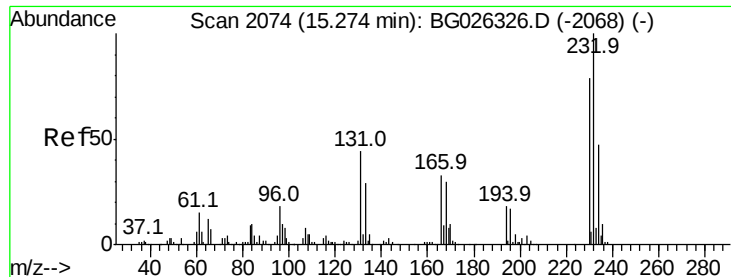
Tot Ion:165 Resp: 5225
Ion Ratio Lower Upper
165 100
63 35.9 44.0 66.0#
89 66.0 67.3 100.9#
182 0.0 3.8 5.6#



#57
Fluorene
Concen: 1.08 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:166 Resp: 26301
Ion Ratio Lower Upper
166 100
165 106.0 78.6 117.8
167 13.9 11.6 17.4



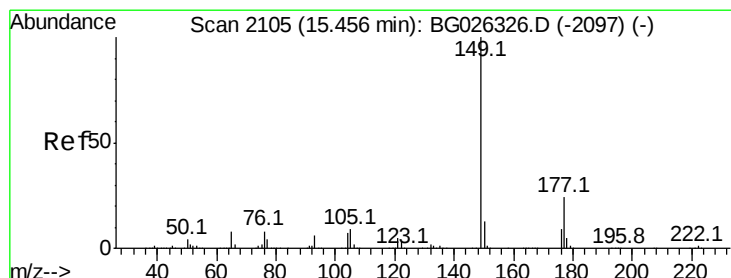
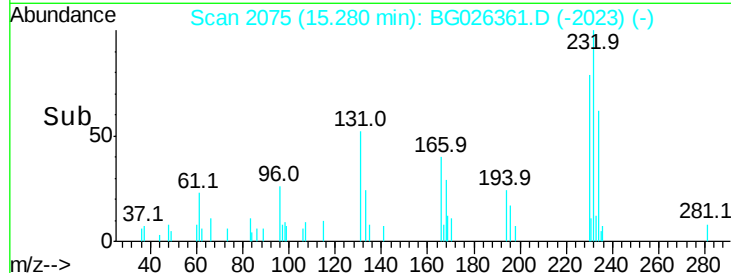
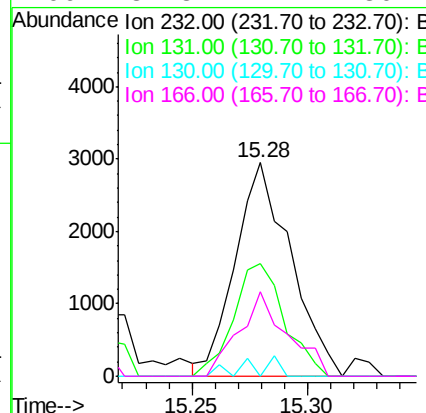
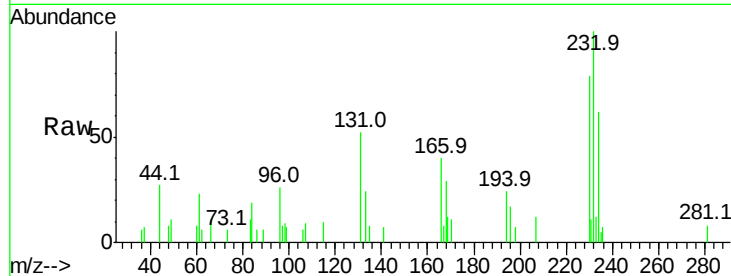


#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.87 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:232 Resp: 4929

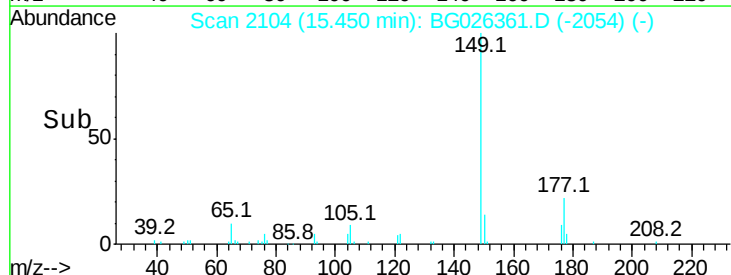
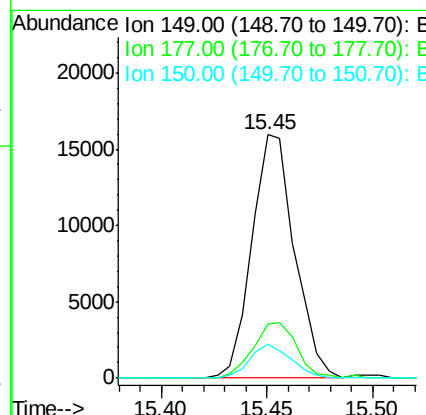
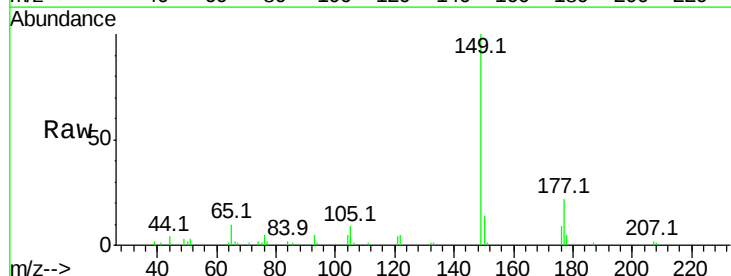
Ion	Ratio	Lower	Upper
232	100		
131	48.4	34.9	52.3
130	2.9	2.3	3.5
166	34.3	24.2	36.4

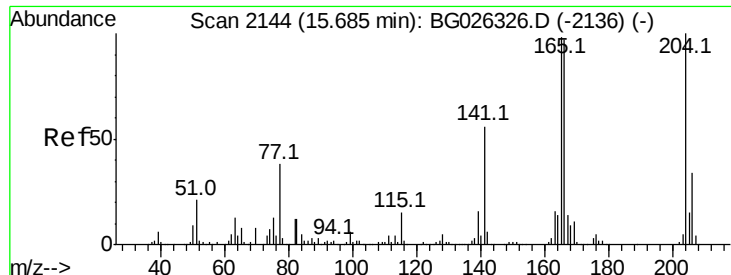


#59
 Diethylphthalate
 Concen: 0.97 ng
 RT: 15.45 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:149 Resp: 22401

Ion	Ratio	Lower	Upper
149	100		
177	22.3	20.1	30.1
150	13.9	10.2	15.2

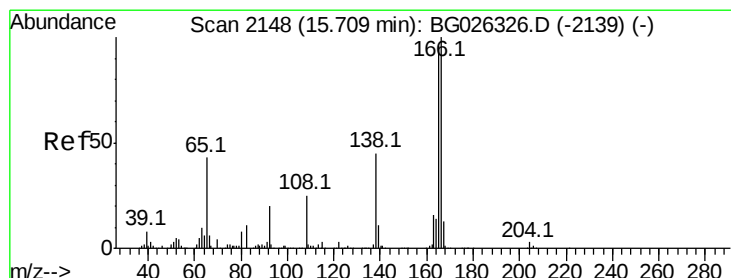
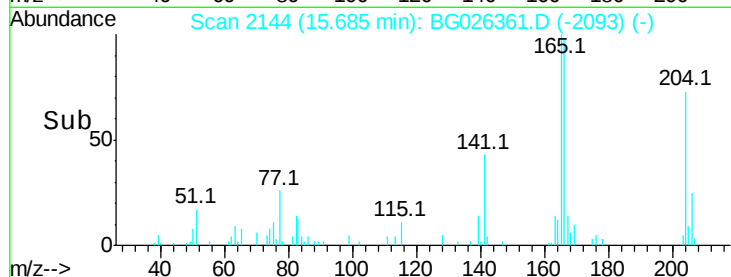
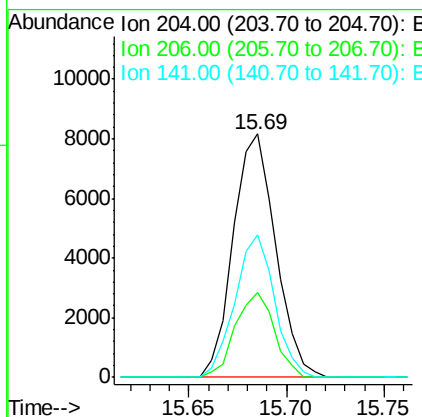
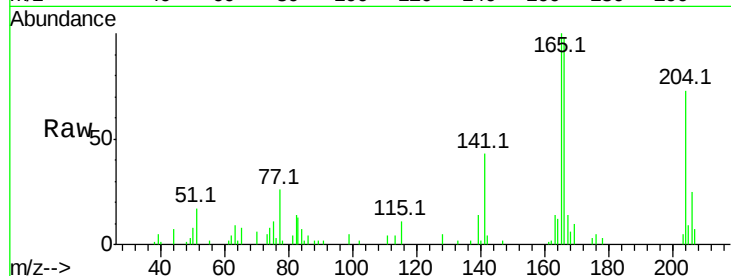




#60
 4-Chlorophenyl-phenylether
 Concen: 1.07 ng
 RT: 15.69 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

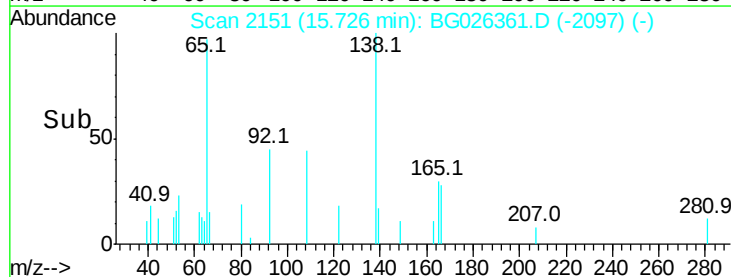
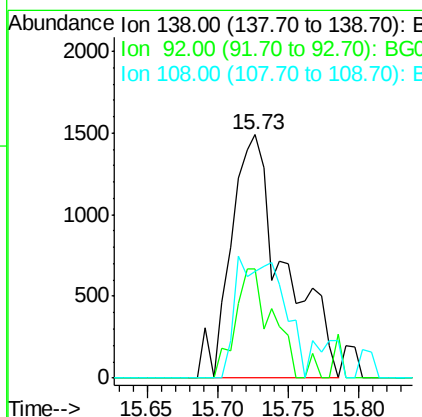
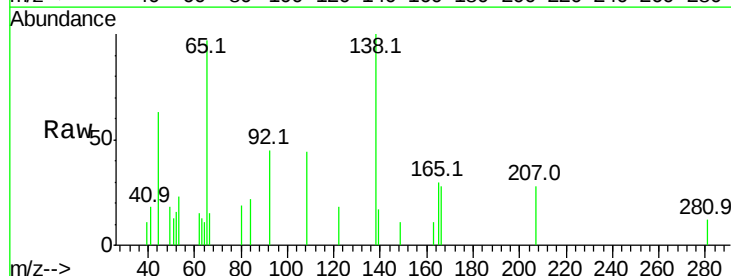
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

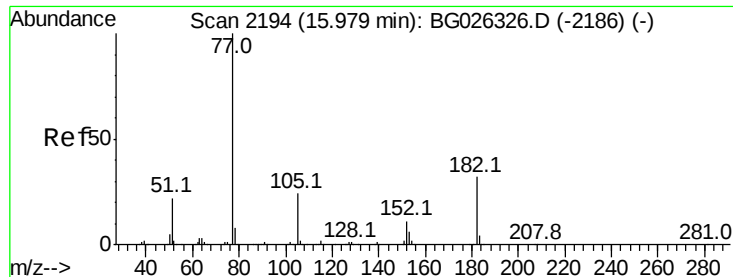
Tot Ion:204 Resp: 12256
 Ion Ratio Lower Upper
 204 100
 206 34.7 30.1 45.1
 141 58.5 50.6 76.0



#61
 4-Nitroaniline
 Concen: 0.64 ng
 RT: 15.73 min Scan# 2151
 Delta R.T. 0.02 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:138 Resp: 3936
 Ion Ratio Lower Upper
 138 100
 92 44.7 44.2 84.2
 108 43.6 104.8 144.8#





#62

Azobenzene

Concen: 0.89 ng

RT: 15.97 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 77 Resp: 16671

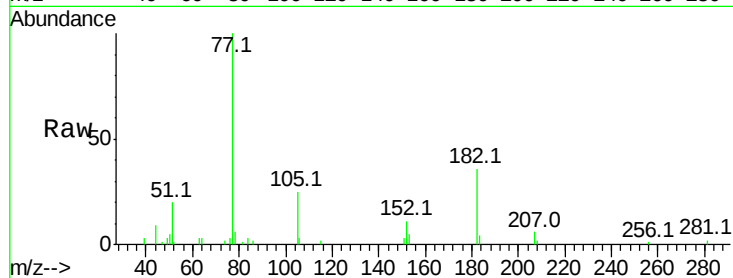
Ion Ratio Lower Upper

77 100

182 35.6 4.7 44.7

105 25.1 0.0 36.3

51 19.6 16.4 56.4

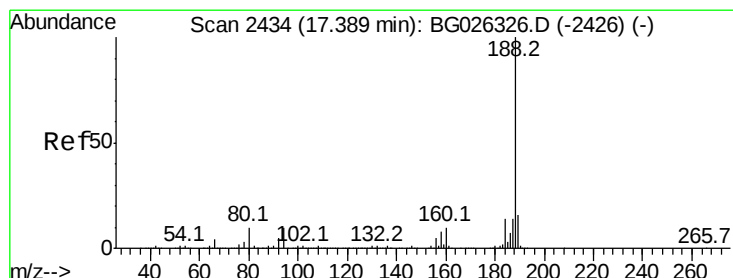
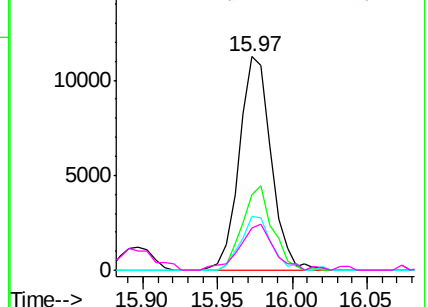
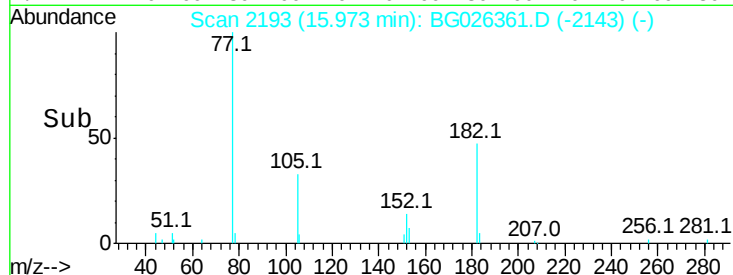


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

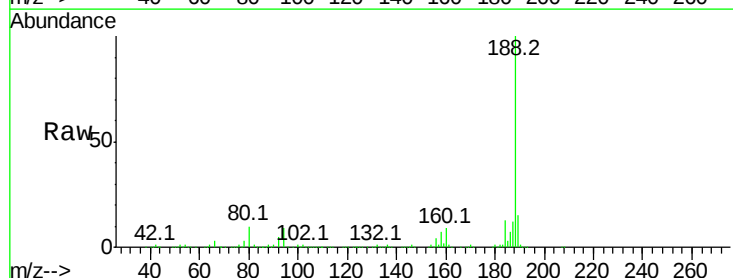
Tgt Ion: 188 Resp: 712491

Ion Ratio Lower Upper

188 100

94 9.5 5.8 8.8#

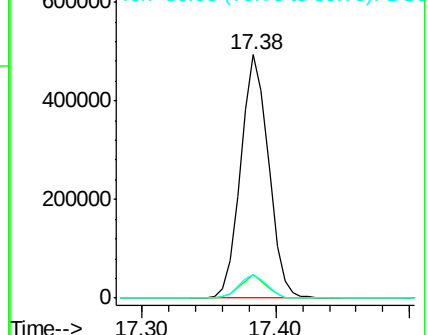
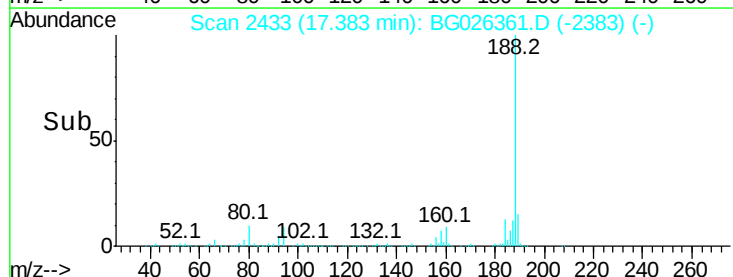
80 9.8 7.5 11.3

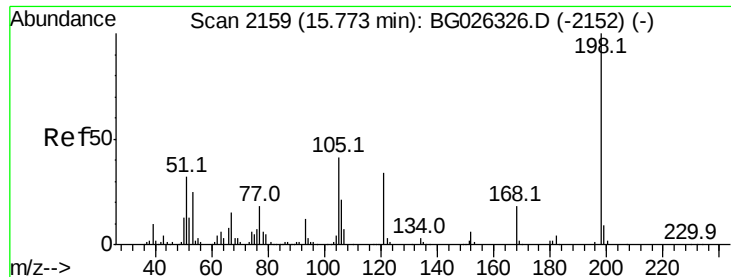


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#64

4,6-Dinitro-2-methylphenol

Concen: 0.34 ng

RT: 15.79 min Scan# 2162

Delta R.T. 0.02 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

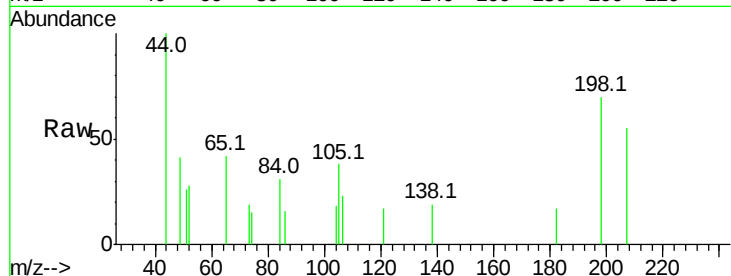
Tot Ion:198 Resp: 1531

Ion Ratio Lower Upper

198 100

51 36.8 22.6 62.6

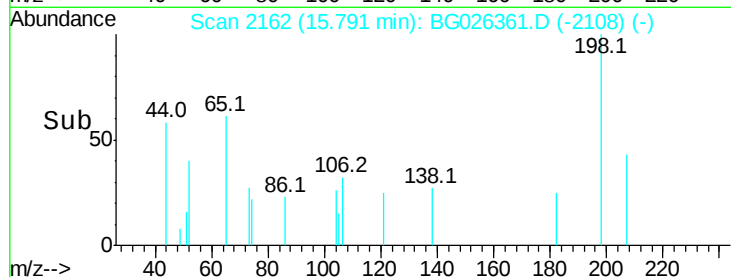
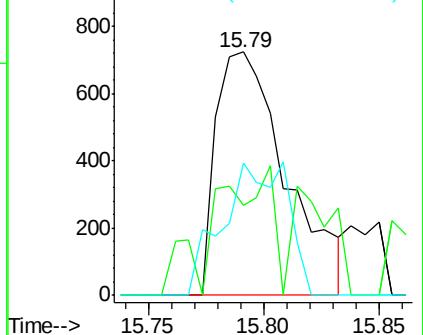
105 54.1 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 1.00 ng

RT: 15.90 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

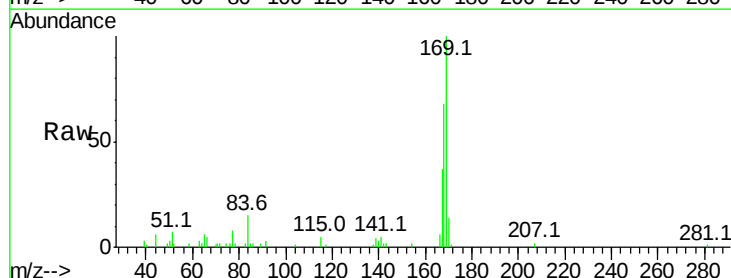
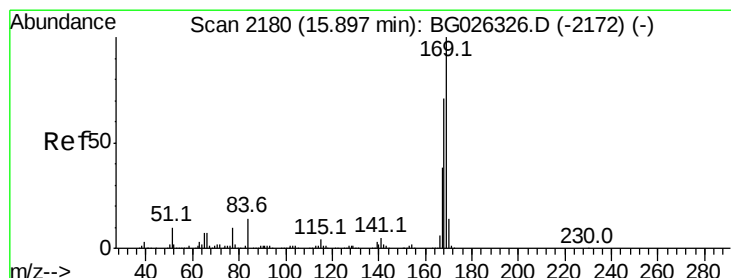
Tgt Ion:169 Resp: 20827

Ion Ratio Lower Upper

169 100

168 68.4 55.7 83.5

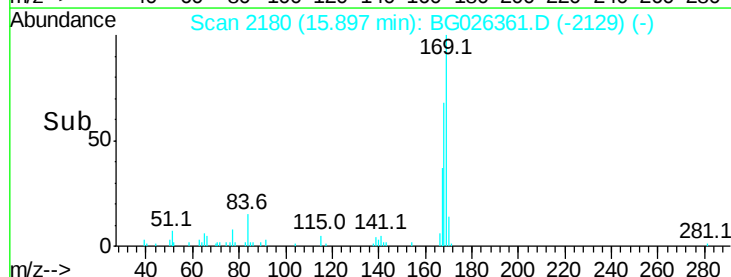
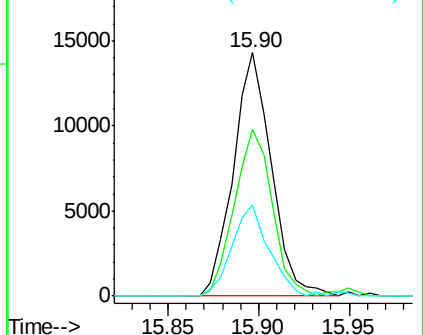
167 37.4 29.8 44.6

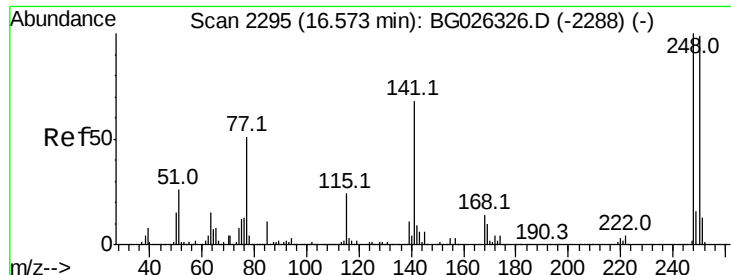


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

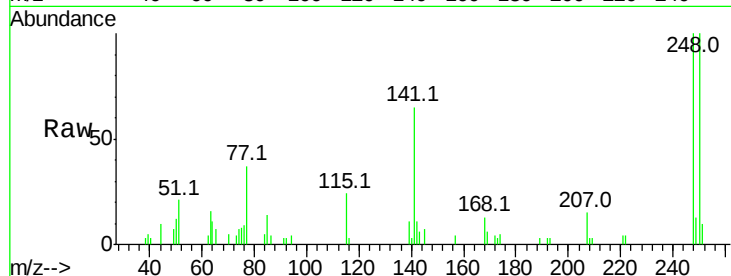




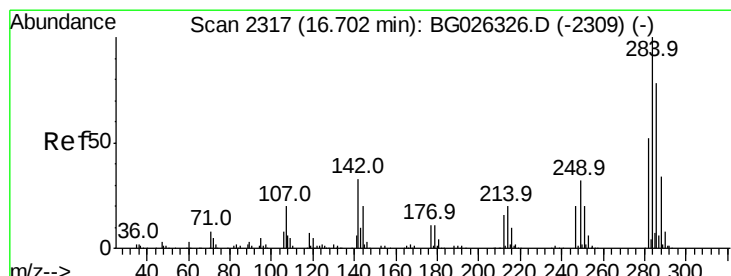
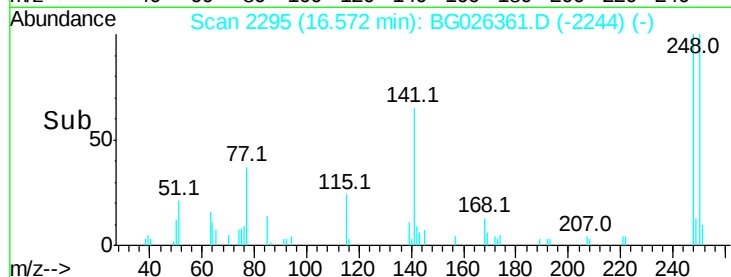
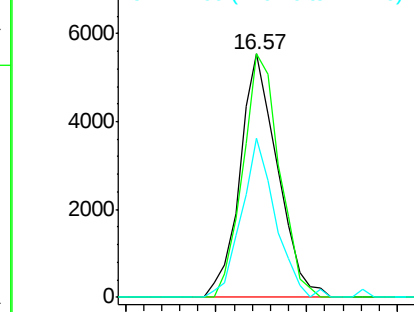
#66
4-Bromophenyl-phenylether
Concen: 1.09 ng
RT: 16.57 min Scan# 2295
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:248 Resp: 7959
Ion Ratio Lower Upper
248 100
250 99.9 75.0 112.6
141 65.2 55.2 82.8

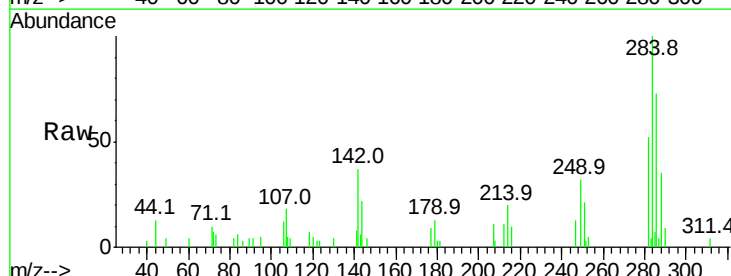


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

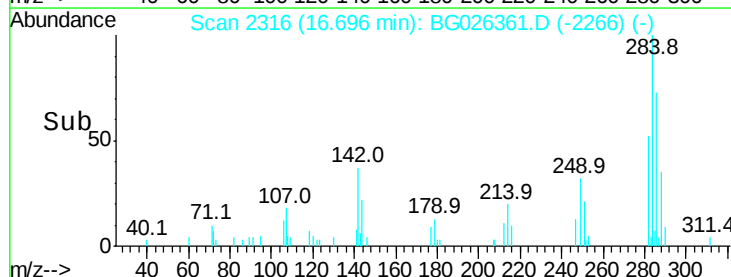
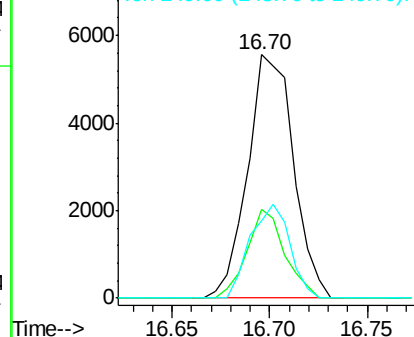


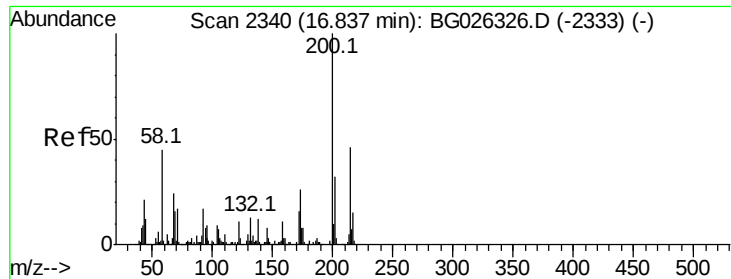
#67
Hexachlorobenzene
Concen: 1.16 ng
RT: 16.70 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion:284 Resp: 9038
Ion Ratio Lower Upper
284 100
142 36.6 29.9 44.9
249 31.6 29.2 43.8



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

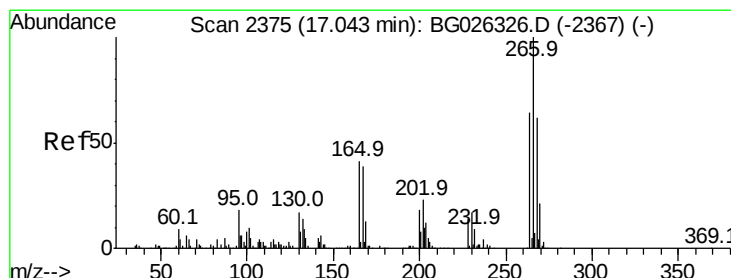
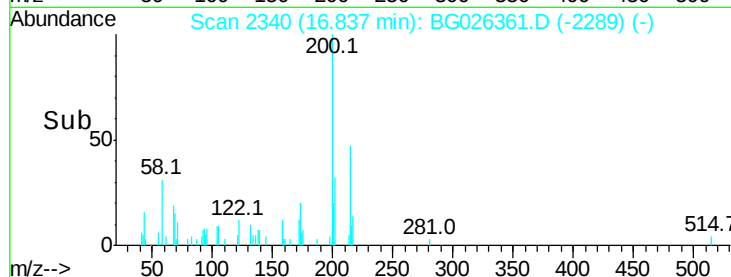
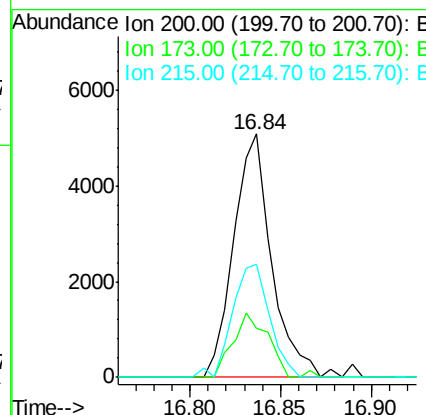
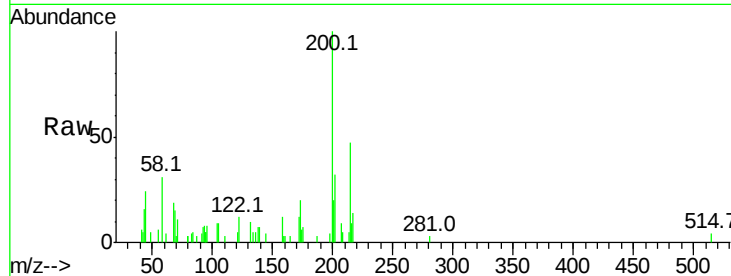




#68
Atrazine
Concen: 0.93 ng
RT: 16.84 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

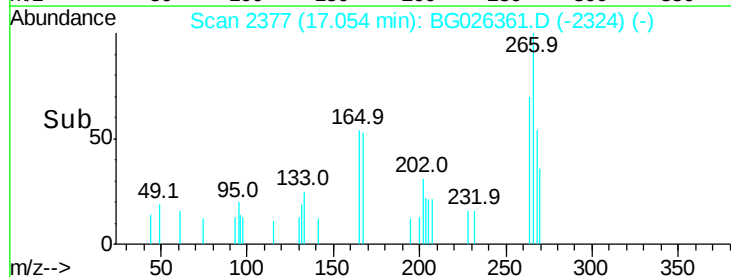
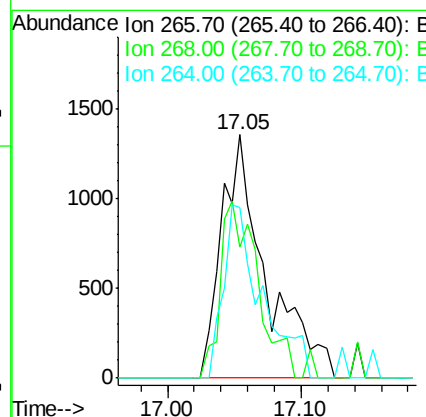
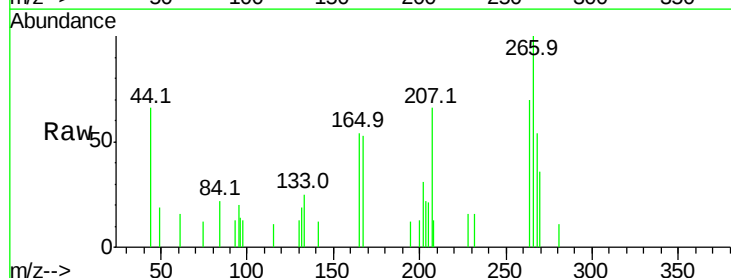
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

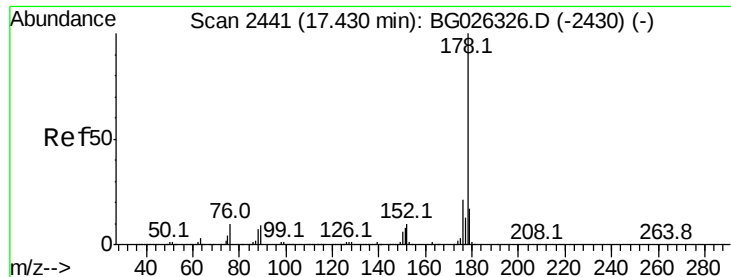
Tot Ion	Ratio	Lower	Upper
200	100		
173	20.1	3.0	43.0
215	46.5	28.4	68.4



#69
Pentachlorophenol
Concen: 0.62 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	53.9	48.6	72.8
264	70.0	50.1	75.1





#70

Phenanthrene

Concen: 1.15 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

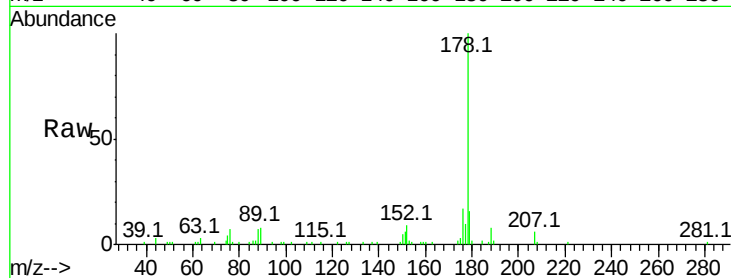
Tot Ion:178 Resp: 44137

Ion Ratio Lower Upper

178 100

176 16.9 17.7 26.5#

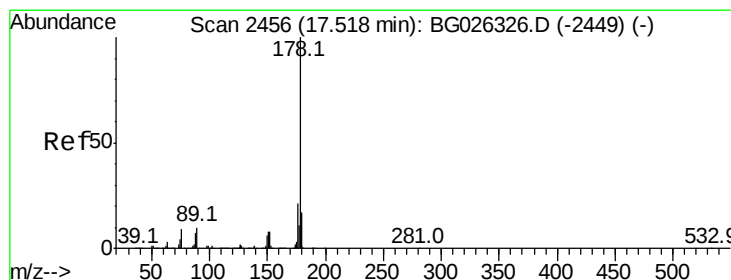
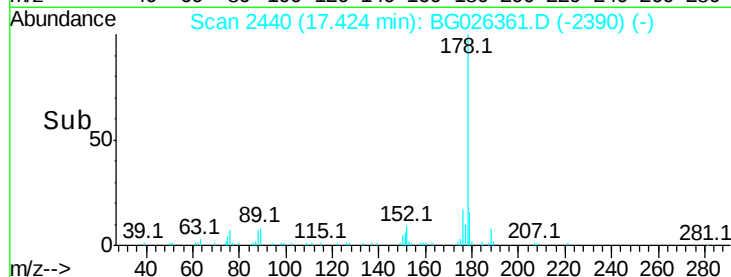
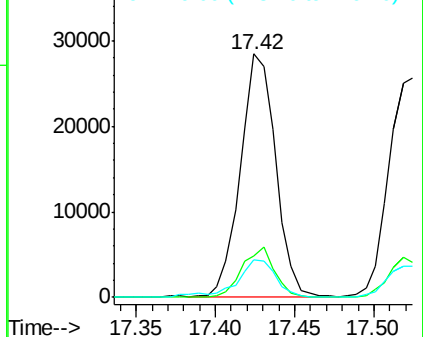
179 15.6 15.0 22.6



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: 1.13 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.09 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

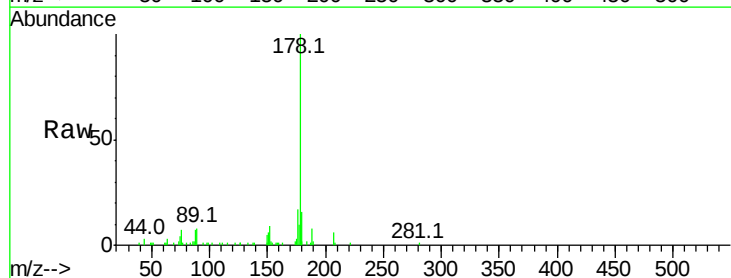
Tgt Ion:178 Resp: 44137

Ion Ratio Lower Upper

178 100

176 16.9 16.4 24.6

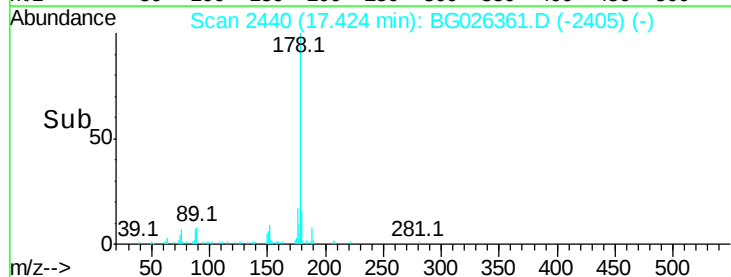
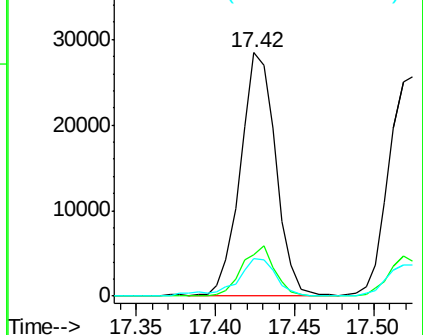
179 15.6 13.8 20.8

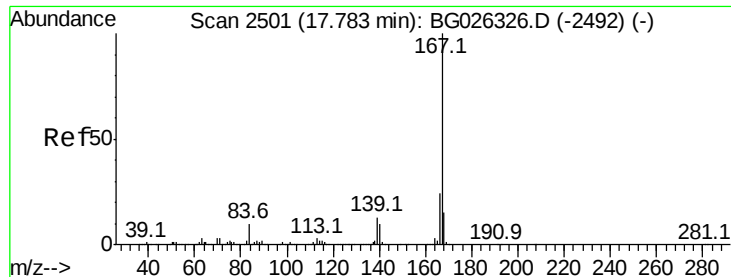


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

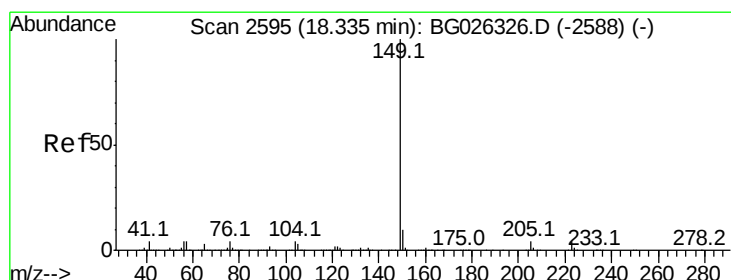
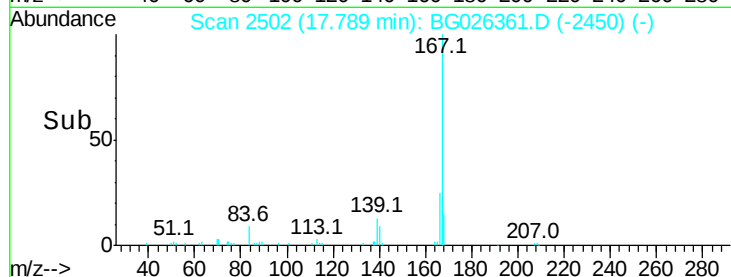
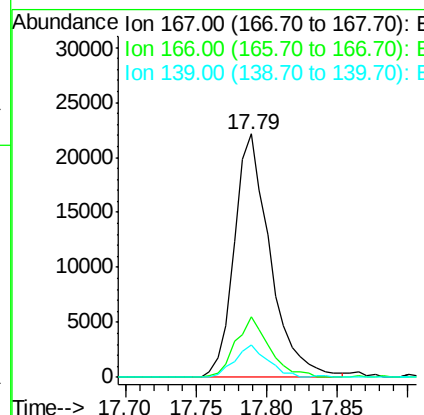
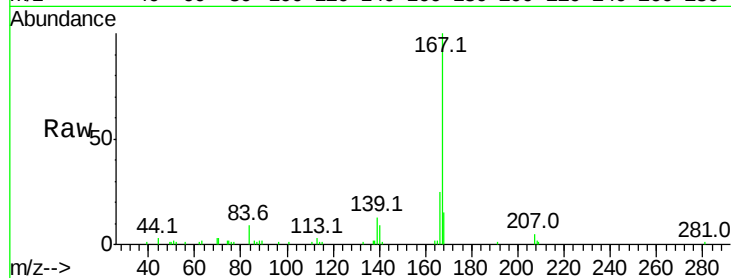




#72
 Carbazole
 Concen: 0.98 ng
 RT: 17.79 min Scan# 2502
 Delta R.T. 0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

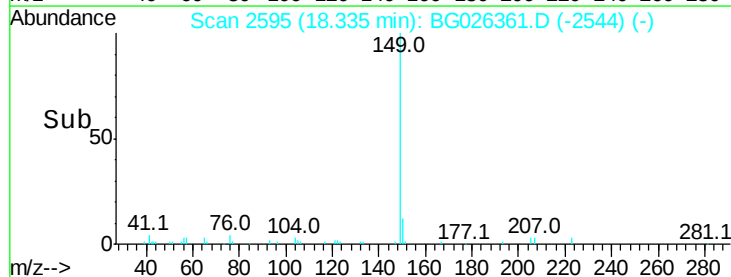
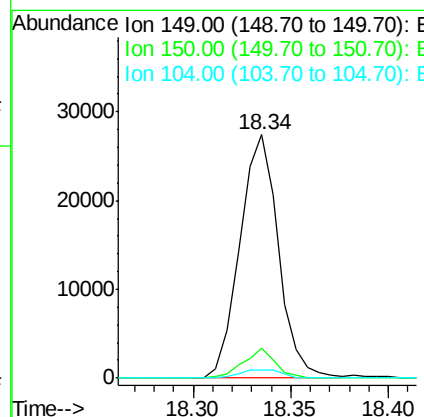
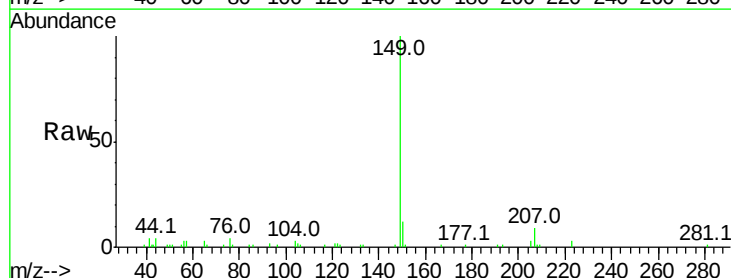
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

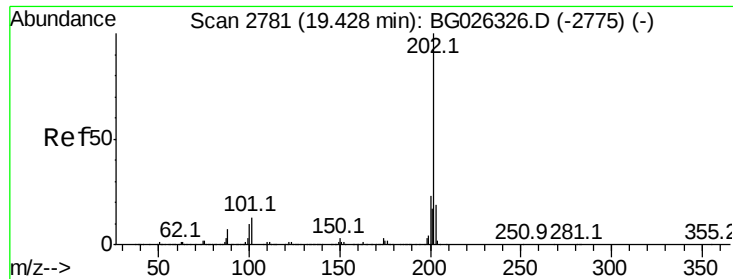
Tot Ion	Ratio	Lower	Upper
167	100		
166	24.7	20.2	30.2
139	13.2	12.8	19.2



#73
 Di-n-butylphthalate
 Concen: 0.91 ng
 RT: 18.34 min Scan# 2595
 Delta R.T. -0.00 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.2	9.1	13.7
104	3.4	6.7	10.1#

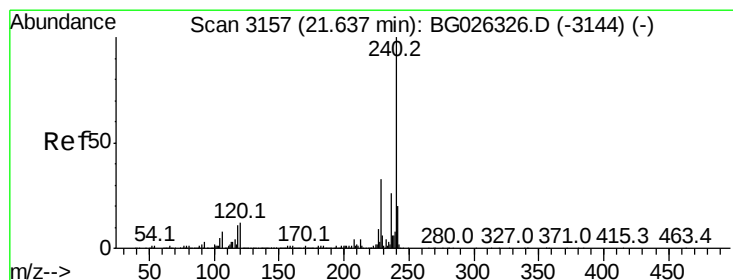
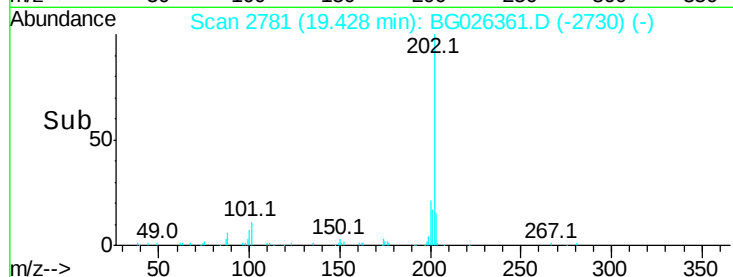
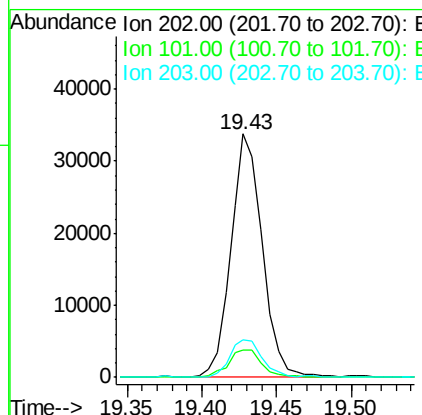
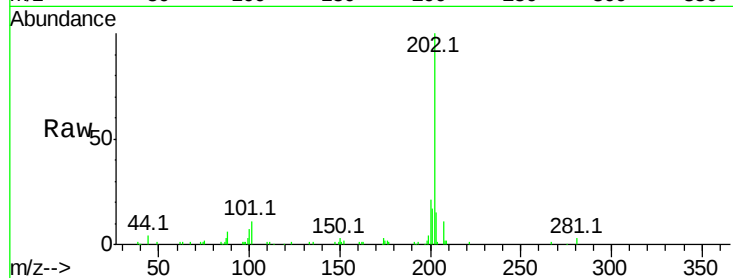




#74
Fluoranthene
Concen: 1.10 ng
RT: 19.43 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

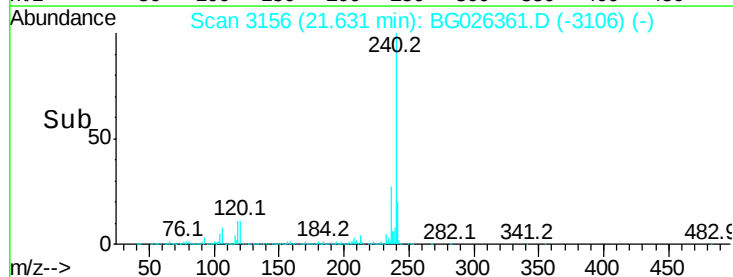
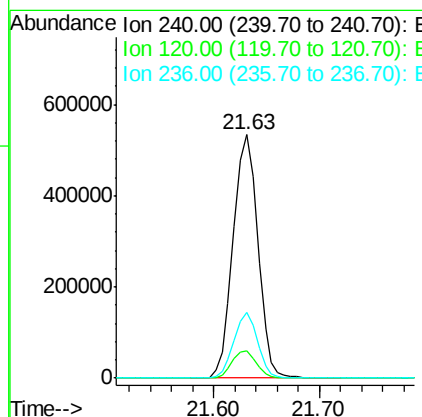
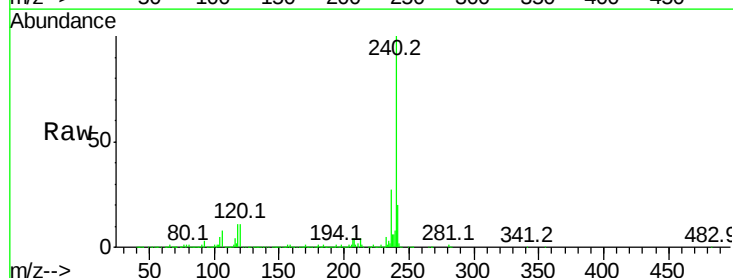
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

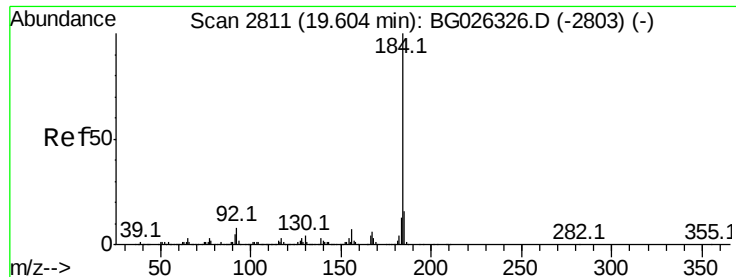
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.1
203	15.3	1.3	41.3



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	5.7	8.5#
236	26.8	22.2	33.4





#76

Benzidine

Concen: 0.66 ng

RT: 19.60 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

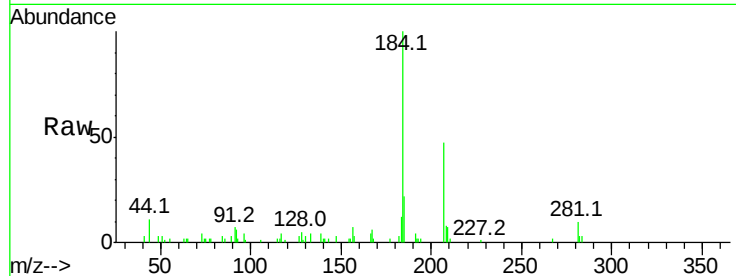
Tot Ion:184 Resp: 19619

Ion Ratio Lower Upper

184 100

185 21.8 13.0 19.6#

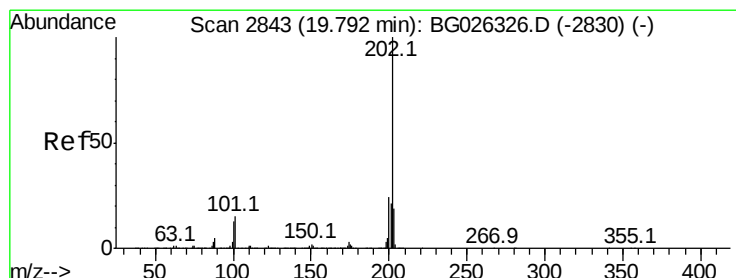
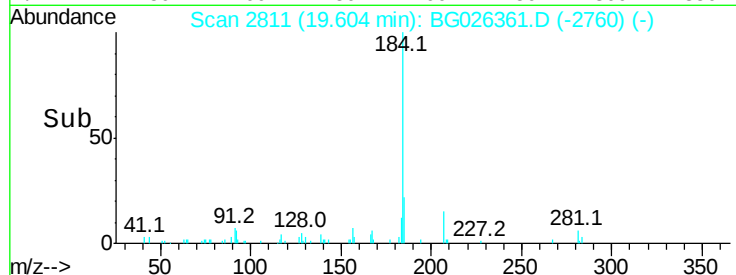
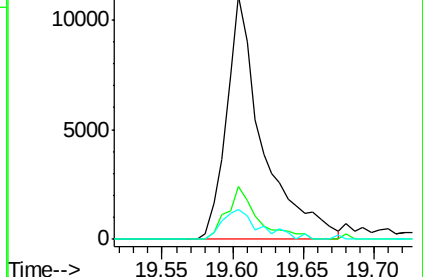
183 12.2 11.0 16.6



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: 1.02 ng

RT: 19.79 min Scan# 2843

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

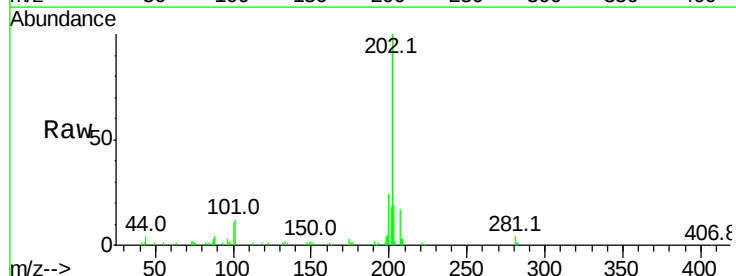
Tgt Ion:202 Resp: 51315

Ion Ratio Lower Upper

202 100

200 24.4 19.6 29.4

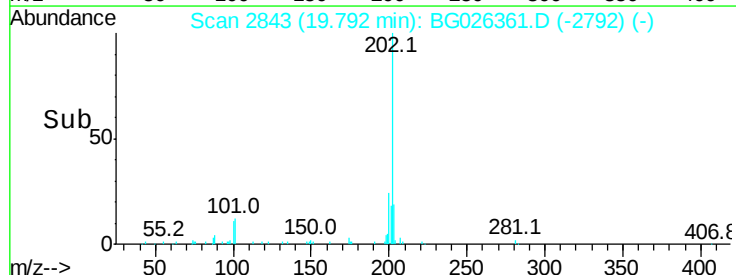
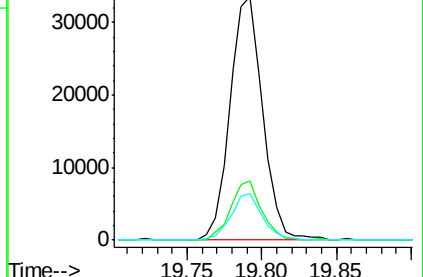
203 18.9 15.8 23.8

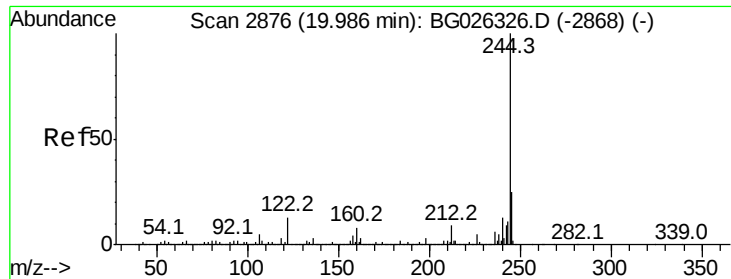


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

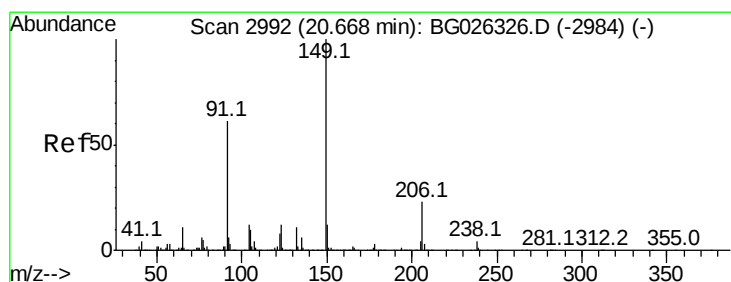
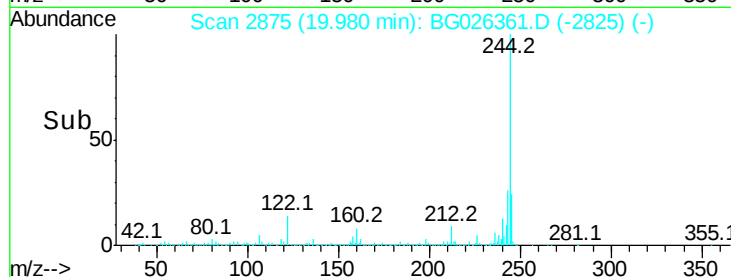
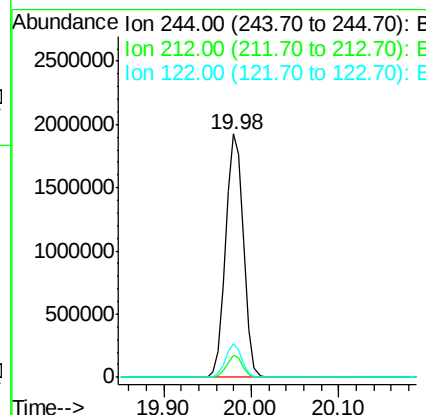
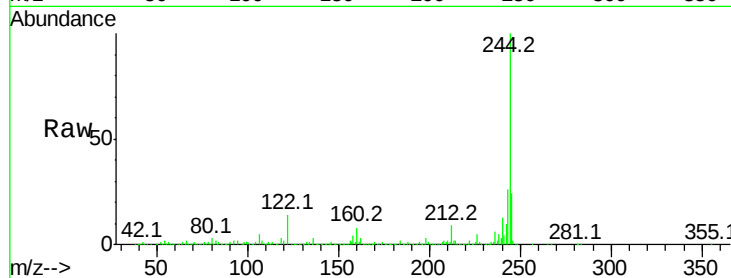




#78
 Terphenyl-d14
 Concen: 76.41 ng
 RT: 19.98 min Scan# 2875
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

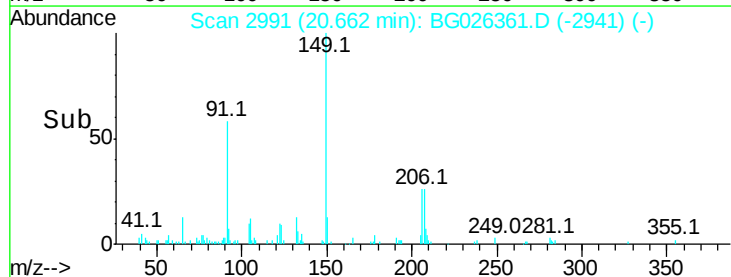
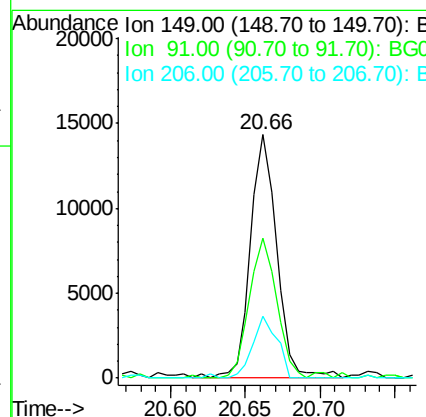
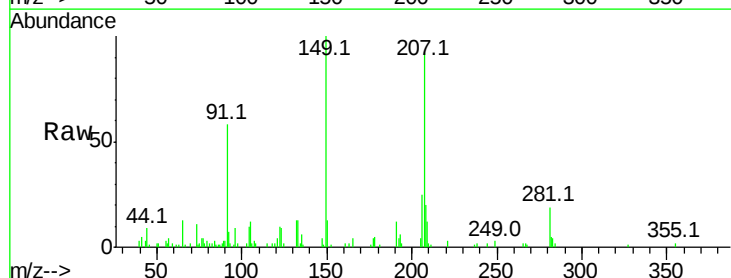
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

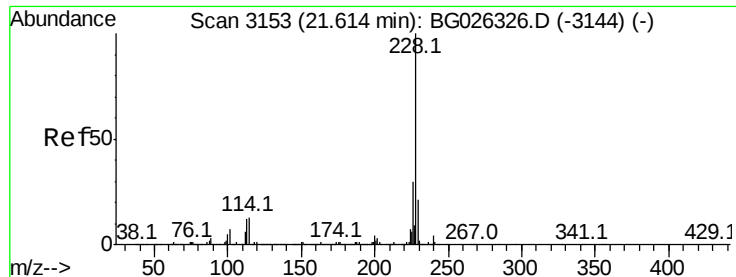
Tot Ion:244 Resp: 2725245
 Ion Ratio Lower Upper
 244 100
 212 8.9 10.0 15.0#
 122 13.9 8.6 12.8#



#79
 Butylbenzylphthalate
 Concen: 0.88 ng
 RT: 20.66 min Scan# 2991
 Delta R.T. -0.01 min
 Lab File: BG026361.D
 Acq: 21 Mar 2017 16:45

Tgt Ion:149 Resp: 17619
 Ion Ratio Lower Upper
 149 100
 91 57.5 63.5 95.3#
 206 25.3 21.0 31.6

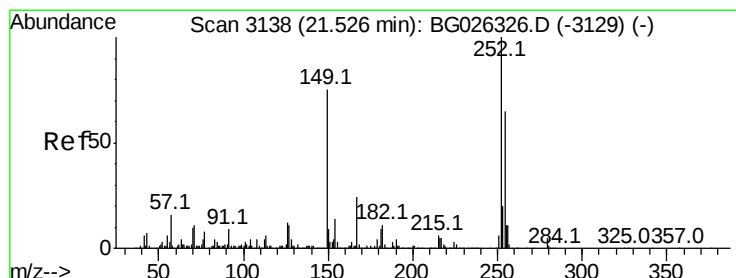
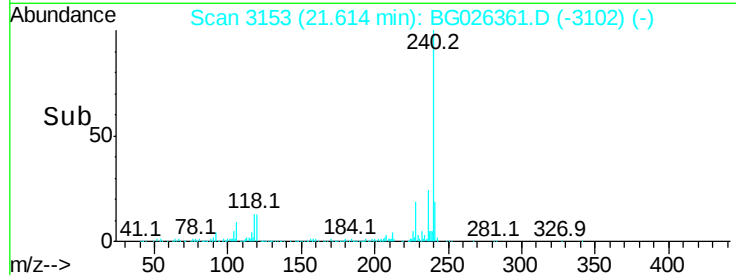
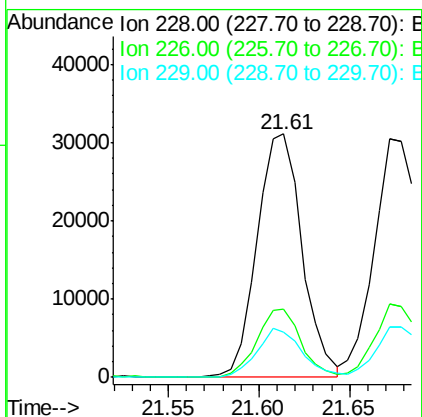
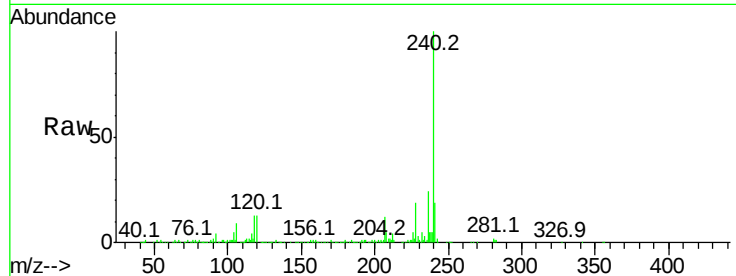




#80
Benzo(a)anthracene
Concen: 1.10 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

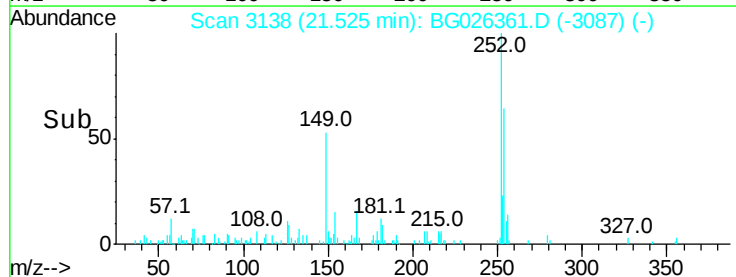
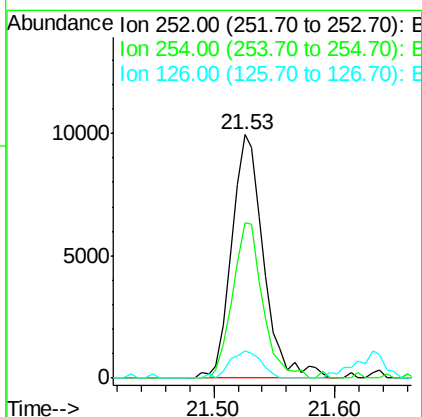
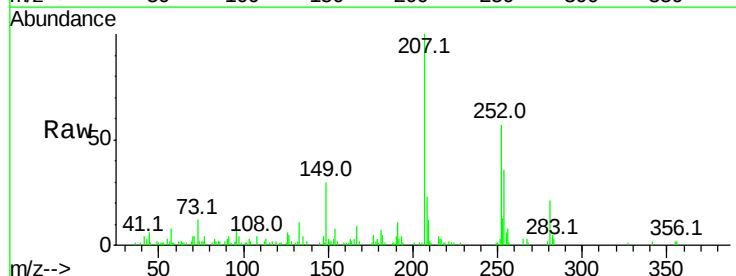
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL-01-QT2-2017

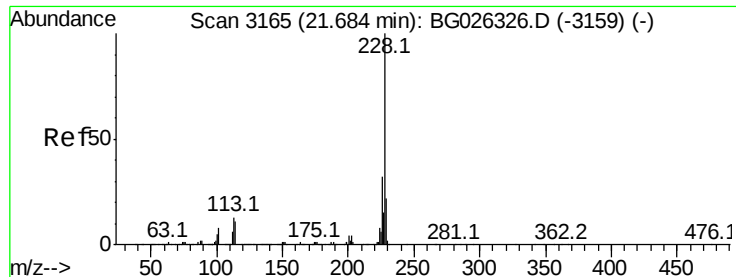
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.9	37.3
229	18.4	18.2	27.2



#81
3,3'-Dichlorobenzidine
Concen: 0.91 ng
RT: 21.53 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BG026361.D
Acq: 21 Mar 2017 16:45

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	53.1	79.7
126	11.0	7.0	10.4





#82

Chrysene

Concen: 1.13 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

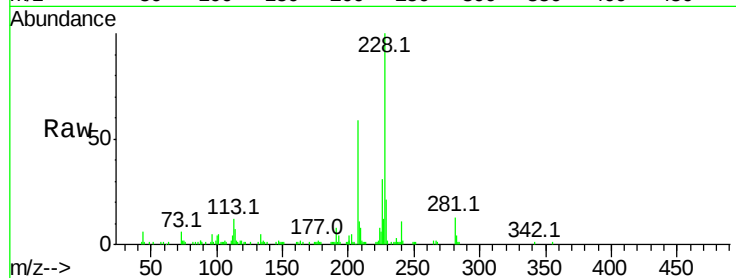
Tot Ion:228 Resp: 52693

Ion Ratio Lower Upper

228 100

226 31.0 27.0 40.4

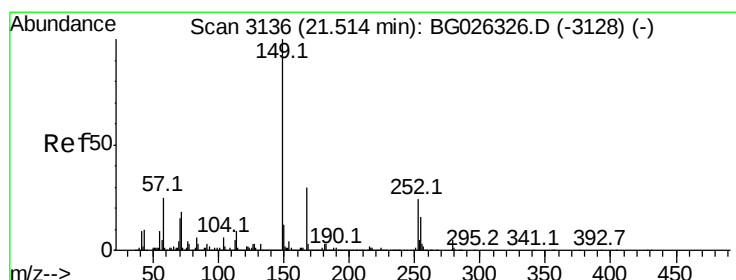
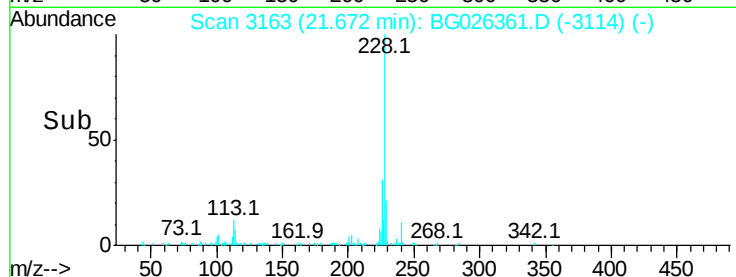
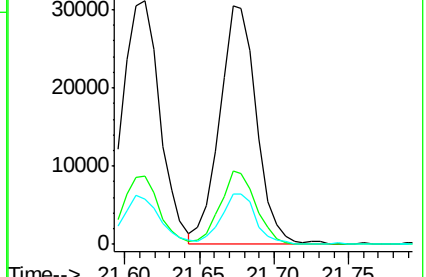
229 20.9 17.8 26.6



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: 0.93 ng

RT: 21.51 min Scan# 3136

Delta R.T. -0.00 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

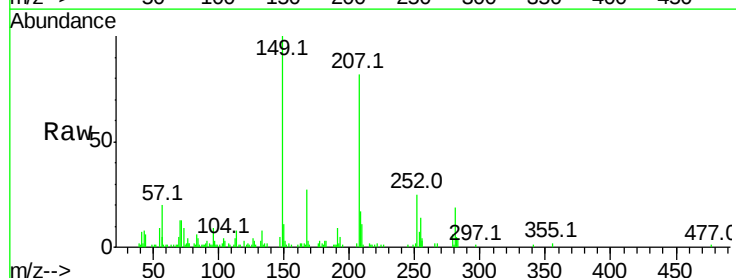
Tgt Ion:149 Resp: 28195

Ion Ratio Lower Upper

149 100

167 27.4 23.7 35.5

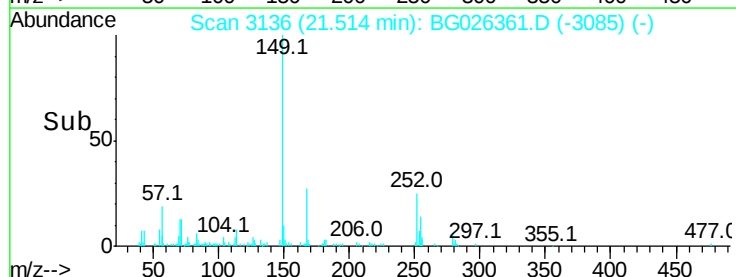
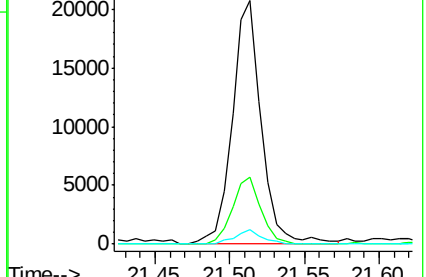
279 5.9 4.6 6.8

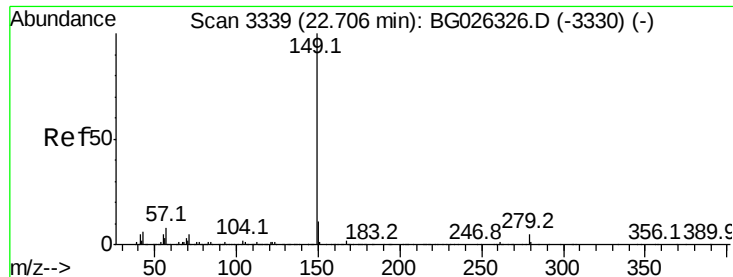


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.85 ng

RT: 22.70 min Scan# 3338

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

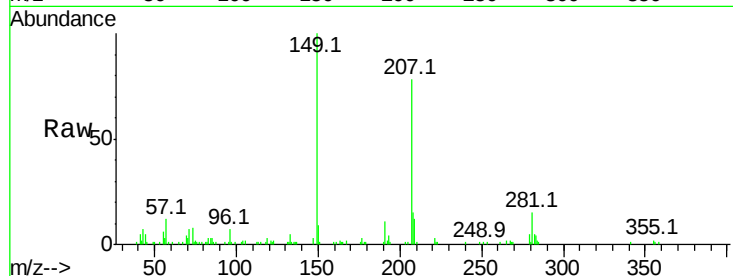
Tot Ion:149 Resp: 44175

Ion Ratio Lower Upper

149 100

167 1.9 1.4 2.2

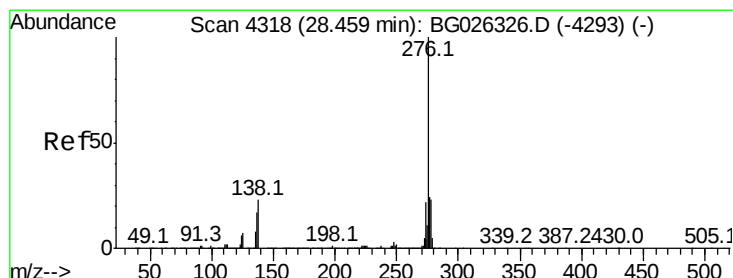
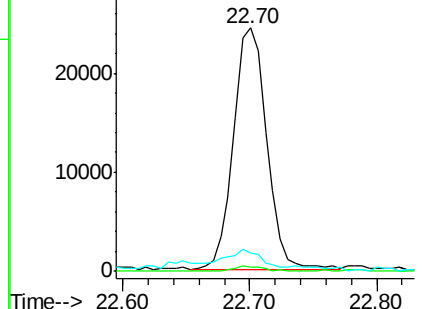
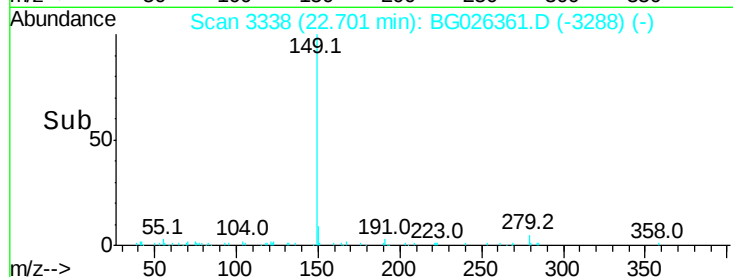
43 7.2 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#85

Indeno(1,2,3-cd)pyrene

Concen: 1.00 ng

RT: 28.42 min Scan# 4312

Delta R.T. -0.04 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

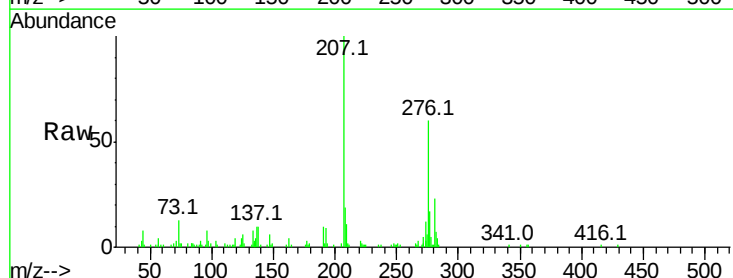
Tgt Ion:276 Resp: 57767

Ion Ratio Lower Upper

276 100

138 16.4 4.7 7.1#

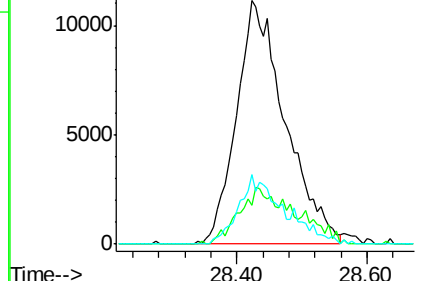
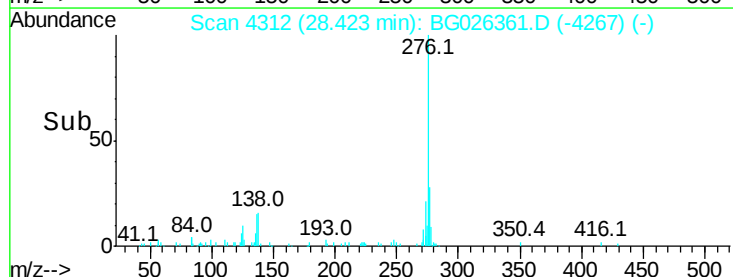
277 21.3 20.6 31.0

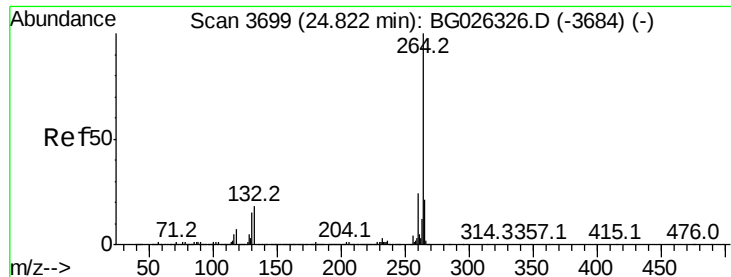


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

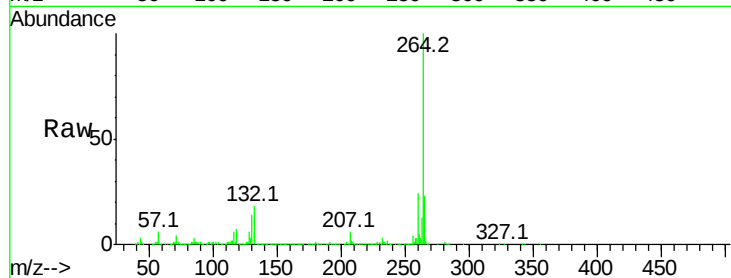
BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:264 Resp: 837013

Ion	Ratio	Lower	Upper
264	100		
260	24.0	21.8	32.8
265	22.6	18.2	27.4

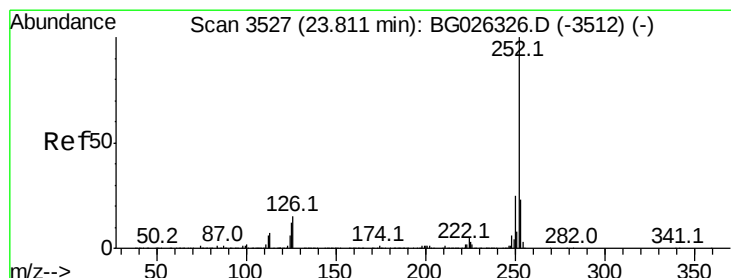
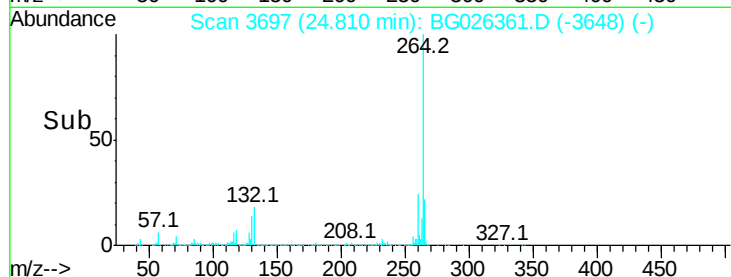
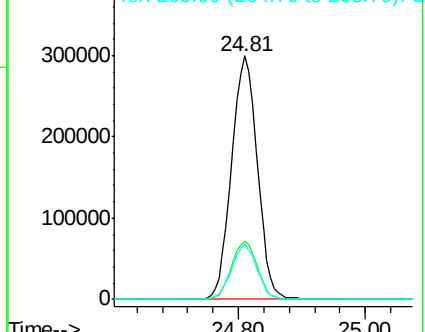


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 1.05 ng

RT: 23.80 min Scan# 3525

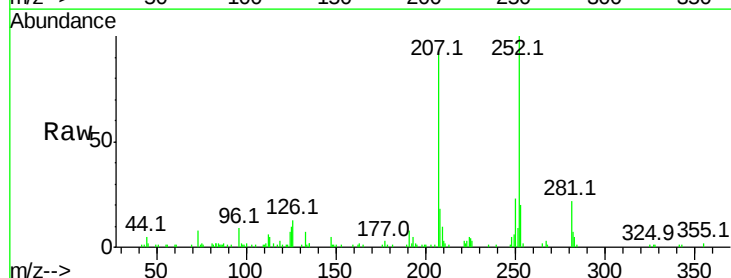
Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Tgt Ion:252 Resp: 51790

Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.7	28.1
125	10.4	5.3	7.9

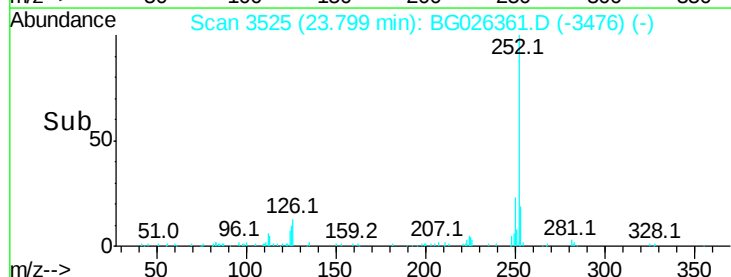
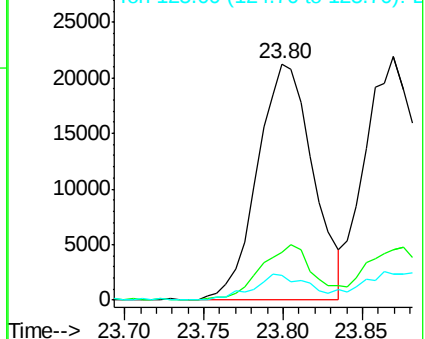


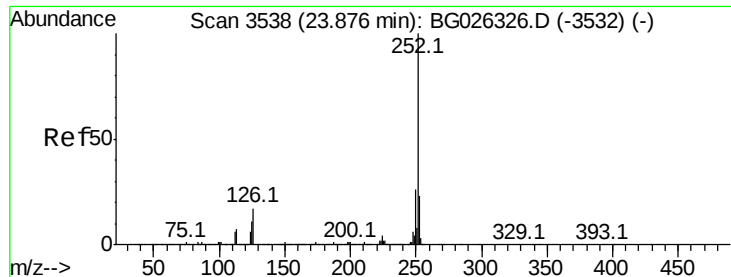
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 1.09 ng

RT: 23.87 min Scan# 3537

Delta R.T. -0.01 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL-01-QT2-2017

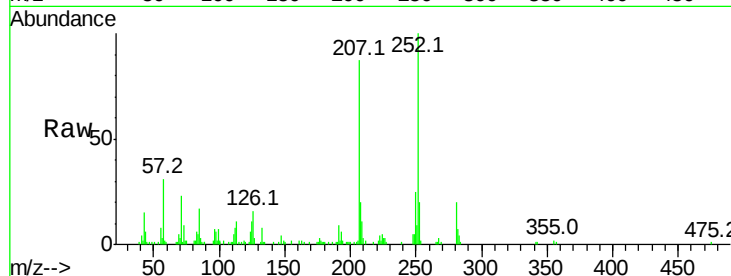
Tot Ion:252 Resp: 52016

Ion Ratio Lower Upper

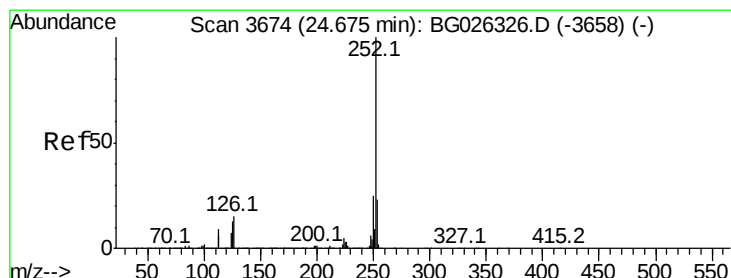
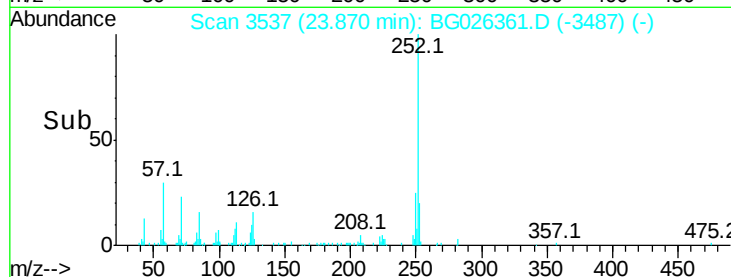
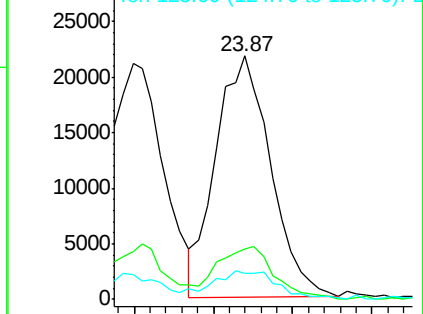
252 100

253 20.4 20.2 30.2

125 10.7 5.1 7.7#



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



#89

Benzo(a)pyrene

Concen: 1.06 ng

RT: 24.66 min Scan# 3671

Delta R.T. -0.02 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

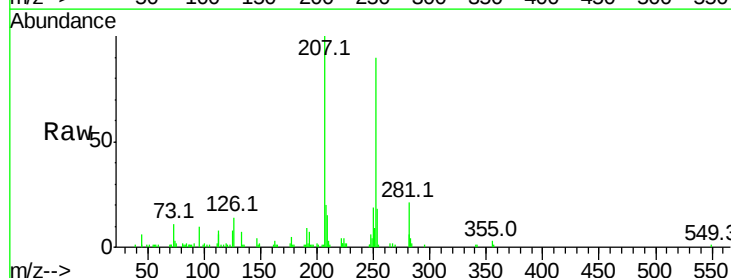
Tgt Ion:252 Resp: 49961

Ion Ratio Lower Upper

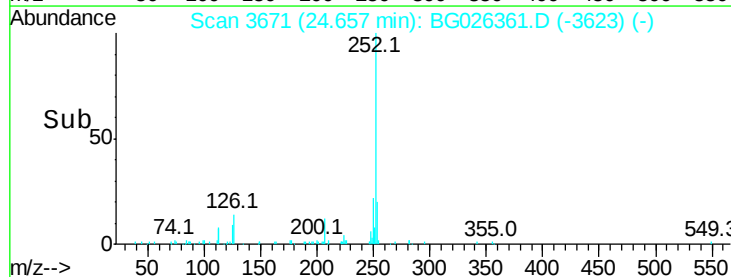
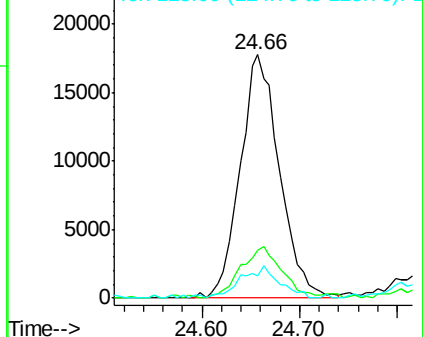
252 100

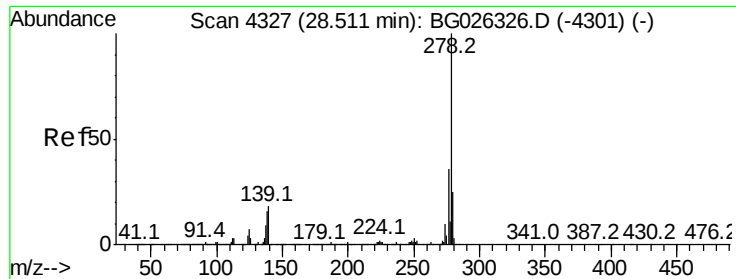
253 19.6 19.2 28.8

125 9.3 5.4 8.0#



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





#90

Dibenzo(a,h)anthracene

Concen: 1.06 ng

RT: 28.49 min Scan# 4324

Delta R.T. -0.02 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Instrument :

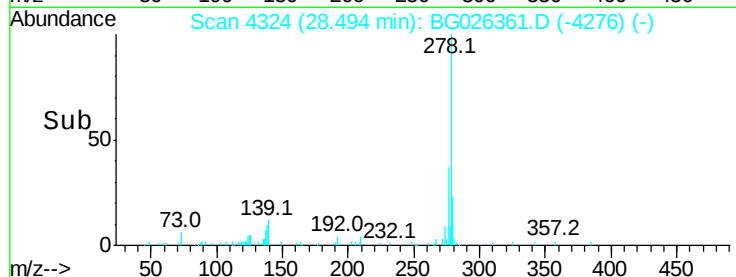
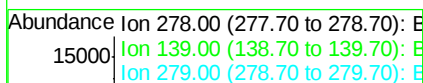
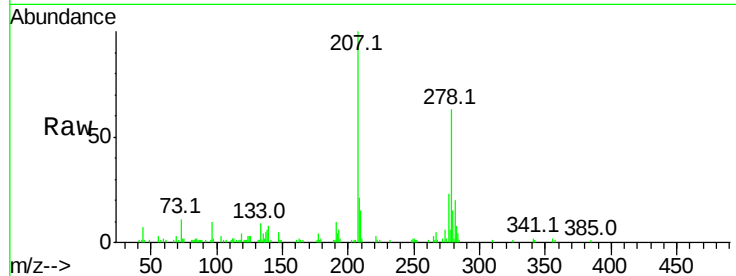
BNA_G

ClientSampleId :

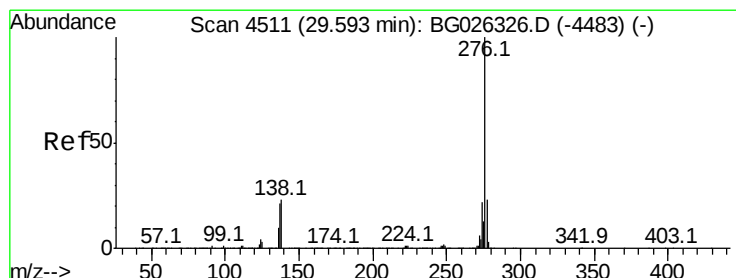
LOD-SOIL-01-QT2-2017

Tot Ion:278 Resp: 50719

Ion	Ratio	Lower	Upper
278	100		
139	12.5	7.7	11.5#
279	23.4	19.1	28.7



Time-->



#91

Benzo(g,h,i)perylene

Concen: 0.44 ng

RT: 29.55 min Scan# 4503

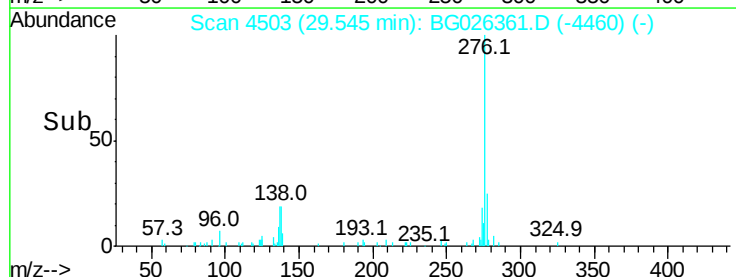
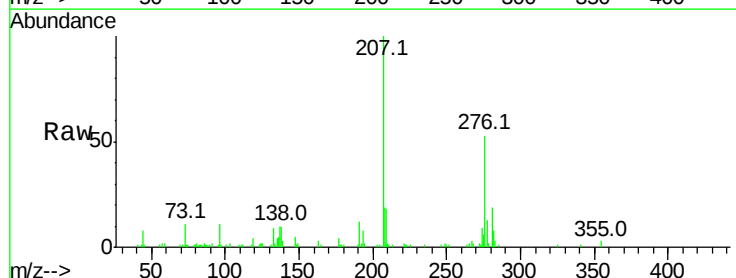
Delta R.T. -0.05 min

Lab File: BG026361.D

Acq: 21 Mar 2017 16:45

Tgt Ion:276 Resp: 21412

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	27.8
138	25.6	8.1	12.1#



Time-->