

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101315\
 Data File : BG019171.D
 Acq On : 12 Oct 2015 23:38
 Operator : UM/NP
 Sample : G3707-03
 Misc : LOD 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Oct 13 03:54:17 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 13 03:45:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	19861	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	88459	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	64041	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	158276	20.00	ng	0.00
75) Chrysene-d12	21.68	240	185731	20.00	ng	-0.01
86) Perylene-d12	24.90	264	184167	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	132073	135.40	ng	0.00
7) Phenol-d6	7.20	99	208957	139.44	ng	0.00
23) Nitrobenzene-d5	9.20	82	144523	90.27	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	120489	138.07	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	358121	85.98	ng	0.00
78) Terphenyl-d14	20.02	244	622077	88.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	1757	4.28	ng	# 84
3) Pyridine	3.91	79	5284	4.21	ng	95
4) n-Nitrosodimethylamine	3.82	42	4022	5.66	ng	# 71
6) Aniline	7.36	93	7504	3.70	ng	95
8) 2-Chlorophenol	7.60	128	8011	6.54	ng	85
9) Benzaldehyde	7.17	77	6685	7.08	ng	90
10) Phenol	7.23	94	10581	6.78	ng	90
11) bis(2-Chloroethyl)ether	7.45	93	7044	5.97	ng	91
12) 1,3-Dichlorobenzene	7.92	146	7772	5.82	ng	94
13) 1,4-Dichlorobenzene	8.07	146	7893	5.77	ng	92
14) 1,2-Dichlorobenzene	8.39	146	8029	6.07	ng	# 84
15) Benzyl Alcohol	8.27	79	8237	6.15	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.57	45	16105	6.38	ng	95
17) 2-Methylphenol	8.48	107	7225	6.48	ng	95
18) Hexachloroethane	9.12	117	3277	6.29	ng	# 79
19) n-Nitroso-di-n-propylamine	8.83	70	6716	5.65	ng	# 97
20) 3+4-Methylphenols	8.80	107	9800	6.11	ng	96
22) Acetophenone	8.85	105	12844	6.21	ng	# 98
24) Nitrobenzene	9.23	77	11020	6.49	ng	98
25) Isophorone	9.75	82	18495	5.68	ng	96
26) 2-Nitrophenol	9.94	139	4002	5.53	ng	95
27) 2,4-Dimethylphenol	10.01	122	7875	6.22	ng	90
28) bis(2-Chloroethoxy)methane	10.24	93	10660	6.13	ng	96
29) 2,4-Dichlorophenol	10.48	162	8575	6.46	ng	95
30) 1,2,4-Trichlorobenzene	10.70	180	8740	6.14	ng	95
31) Naphthalene	10.89	128	27802	6.53	ng	97
32) Benzoic acid	10.10	122	1180	9.05	ng	# 82
33) 4-Chloroaniline	10.99	127	8930	4.51	ng	# 89
34) Hexachlorobutadiene	11.18	225	6256	6.41	ng	98
35) Caprolactam	11.75	113	2561	5.24	ng	# 91
36) 4-Chloro-3-methylphenol	12.12	107	10441	6.19	ng	98
37) 2-Methylnaphthalene	12.49	142	21243	6.42	ng	96
39) 1,2,4,5-Tetrachlorobenzene	12.86	216	11549	6.27	ng	97
40) Hexachlorocyclopentadiene	12.84	237	4743	4.95	ng	95

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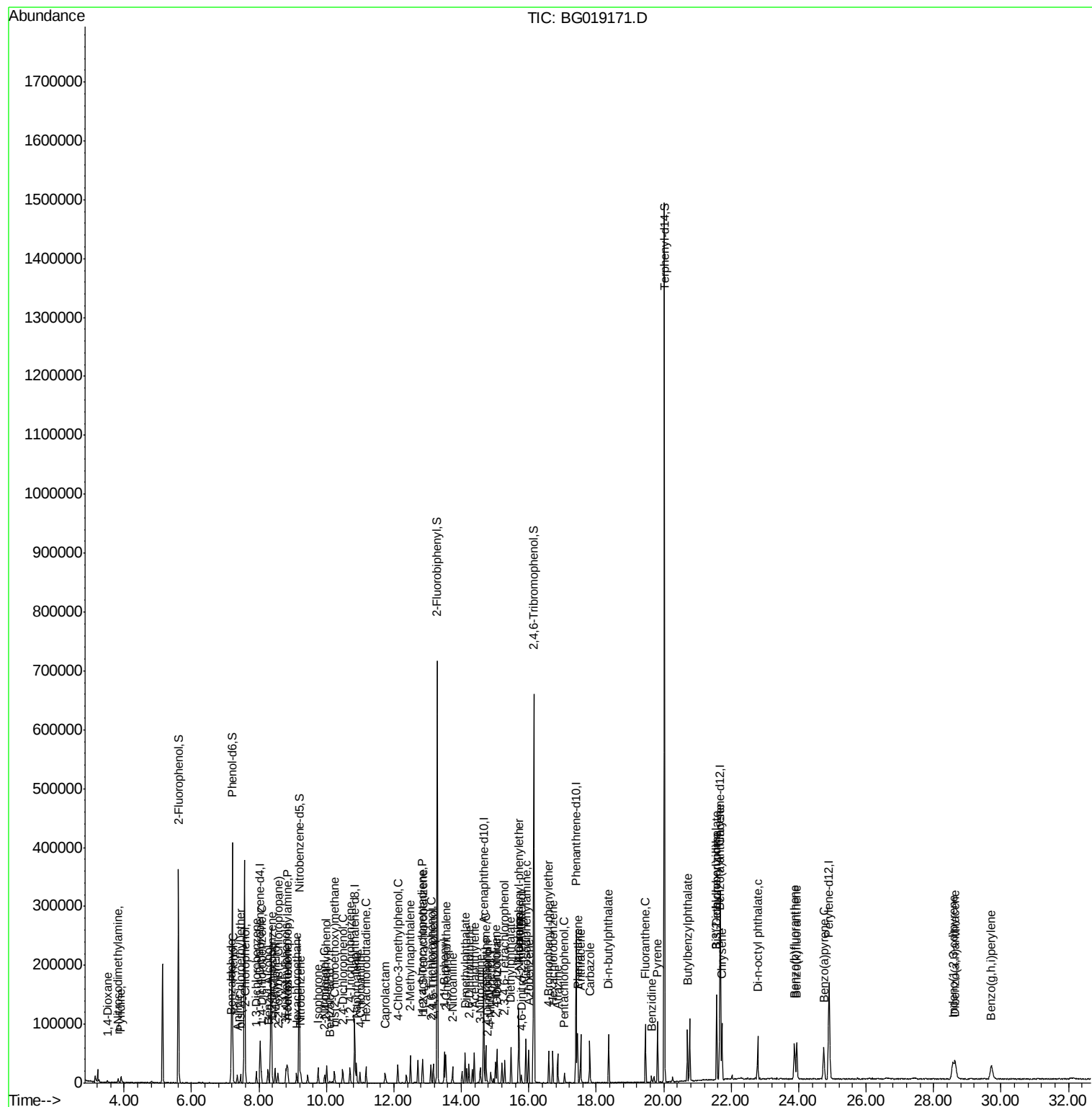
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42) 2,4,6-Trichlorophenol	13.10	196	7533	5.88	nq	97
43) 2,4,5-Trichlorophenol	13.17	196	8577	6.30	nq	# 92
45) 1,1'-Biphenyl	13.49	154	28510	6.13	nq	96
46) 2-Chloronaphthalene	13.54	162	22786	6.37	nq	95
47) 2-Nitroaniline	13.74	65	8336	5.80	nq	97
48) Acenaphthylene	14.38	152	37206	5.90	nq	97
49) Dimethylphthalate	14.11	163	30516	6.03	nq	# 96
50) 2,6-Dinitrotoluene	14.23	165	6466	5.98	nq	92
51) Acenaphthene	14.72	154	23268	6.13	nq	92
52) 3-Nitroaniline	14.56	138	5287	4.43	nq	87
53) 2,4-Dinitrophenol	14.77	184	1094	3.94	nq	89
54) Dibenzofuran	15.06	168	37936	6.77	nq	94
55) 4-Nitrophenol	14.87	139	4264	4.73	nq	95
56) 2,4-Dinitrotoluene	15.01	165	8663	5.51	nq	96
57) Fluorene	15.71	166	30564	6.28	nq	98
58) 2,3,4,6-Tetrachlorophenol	15.28	232	8385	6.50	nq	# 94
59) Diethylphthalate	15.47	149	31763	6.05	nq	100
60) 4-Chlorophenyl-phenylether	15.70	204	15787	6.37	nq	91
61) 4-Nitroaniline	15.72	138	6417	4.95	nq	93
62) Azobenzene	15.99	77	31724	6.51	nq	96
64) 4,6-Dinitro-2-methylphenol	15.78	198	2910	3.37	nq	91
65) n-Nitrosodiphenylamine	15.91	169	27271	6.23	nq	97
66) 4-Bromophenyl-phenylether	16.59	248	10287	6.40	nq	95
67) Hexachlorobenzene	16.71	284	12115	6.41	nq	94
68) Atrazine	16.86	200	9667	5.37	nq	97
69) Pentachlorophenol	17.06	266	4459	4.53	nq	# 76
70) Phenanthrene	17.45	178	52026	6.39	nq	98
71) Anthracene	17.54	178	53752	6.60	nq	99
72) Carbazole	17.80	167	46262	6.07	nq	96
73) Di-n-butylphthalate	18.37	149	56623	6.06	nq	99
74) Fluoranthene	19.45	202	63593	6.07	nq	98
76) Benzidine	19.64	184	8172	1.71	nq	# 88
77) Pyrene	19.82	202	66721	6.41	nq	98
79) Butylbenzylphthalate	20.71	149	24090	5.68	nq	99
80) Benzo(a)anthracene	21.66	228	64837	6.51	nq	99
81) 3,3'-Dichlorobenzidine	21.58	252	18705	5.08	nq	98
82) Chrysene	21.72	228	58476	6.19	nq	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	33941	5.77	nq	97
84) Di-n-octyl phthalate	22.79	149	59798	5.88	nq	98
85) Indeno(1,2,3-cd)pyrene	28.59	276	67564	5.88	nq	# 56
87) Benzo(b)fluoranthene	23.88	252	62330	6.29	nq	97
88) Benzo(k)fluoranthene	23.94	252	62351	6.38	nq	99
89) Benzo(a)pyrene	24.75	252	59203	6.33	nq	95
90) Dibenzo(a,h)anthracene	28.65	278	58324	5.81	nq	98
91) Benzo(g,h,i)perylene	29.71	276	54627	5.85	nq	# 94

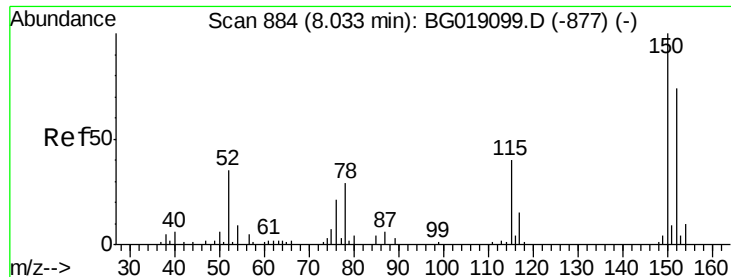
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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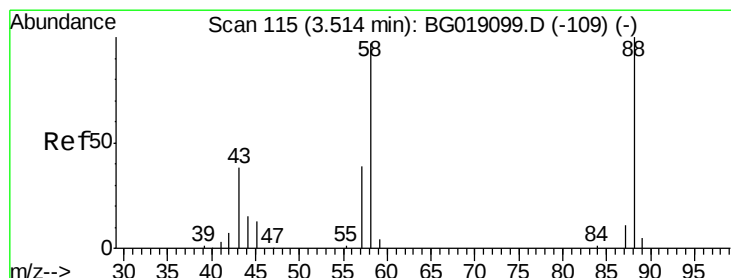
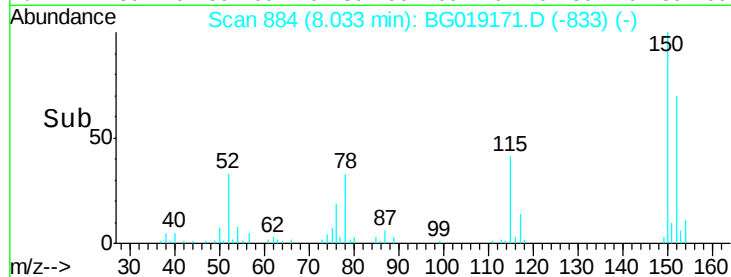
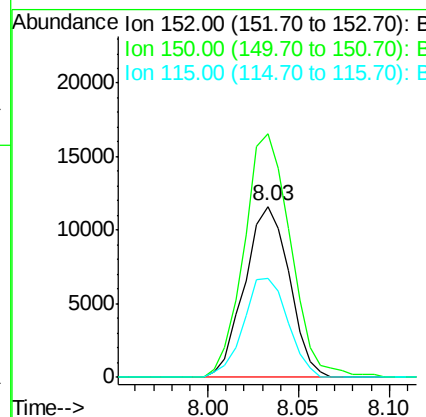
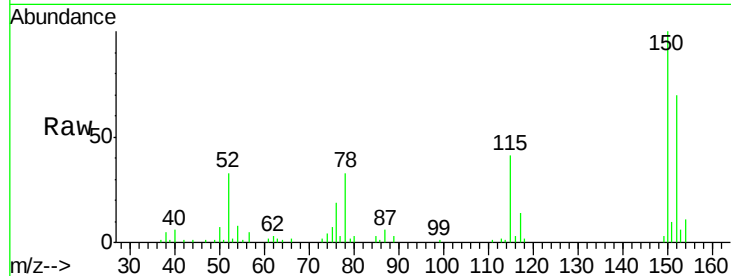


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

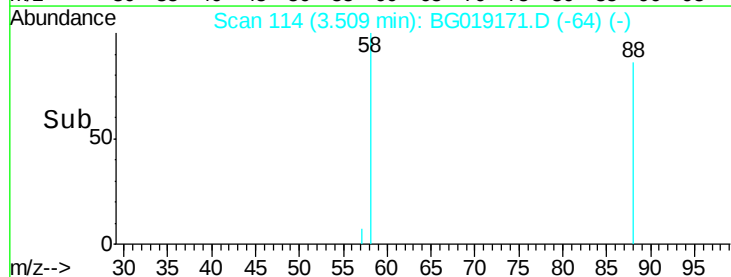
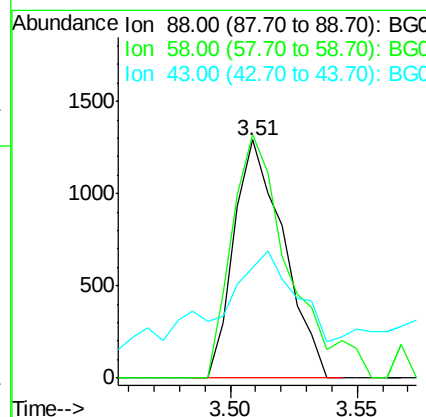
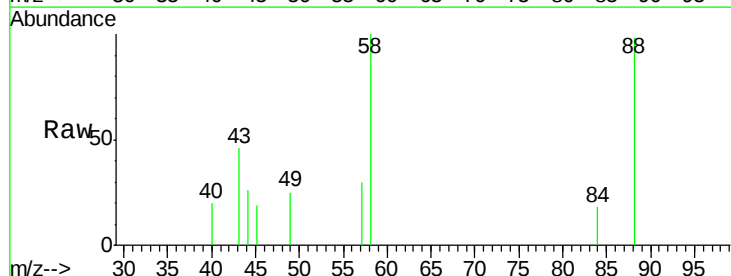
Tot Ion:152 Resp: 19861
Ion Ratio Lower Upper
152 100
150 142.3 108.2 162.2
115 58.0 43.2 64.8

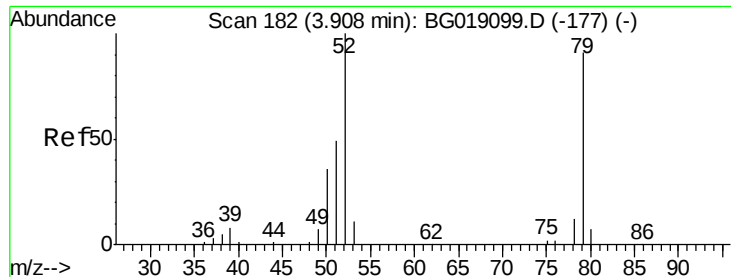


#2

1,4-Dioxane
Concen: 4.28 ng
RT: 3.51 min Scan# 114
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion: 88 Resp: 1757
Ion Ratio Lower Upper
88 100
58 118.3 81.1 121.7
43 47.9 31.0 46.6#





#3

Pvridine

Concen: 4.21 ng

RT: 3.91 min Scan# 183

Delta R.T. 0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

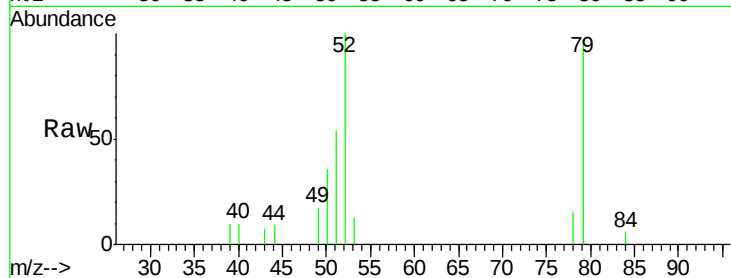
Tot Ion: 79 Resp: 5284

Ion Ratio Lower Upper

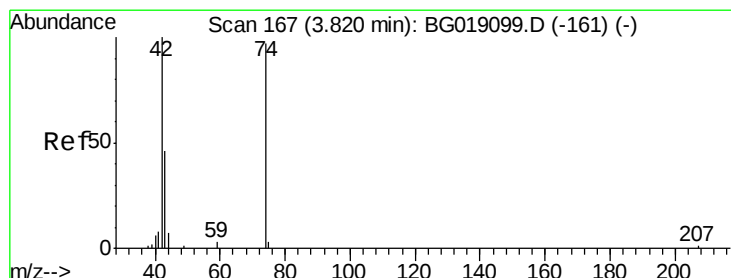
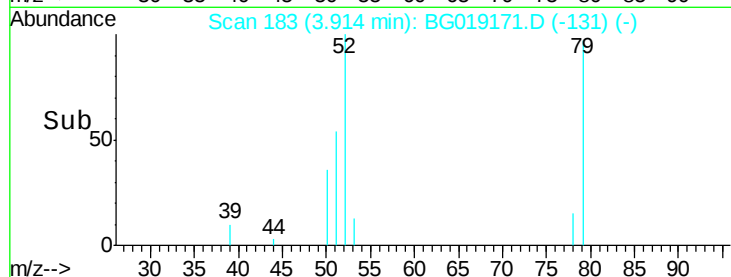
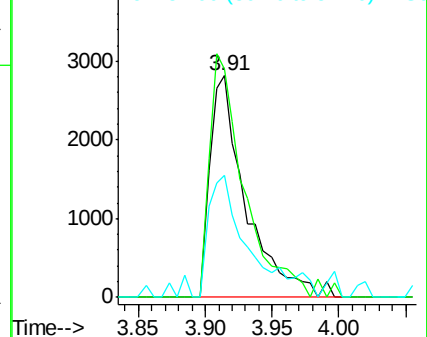
79 100

52 102.7 88.3 132.5

51 55.0 44.6 66.8



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



#4

n-Nitrosodimethylamine

Concen: 5.66 ng

RT: 3.82 min Scan# 167

Delta R.T. 0.00 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

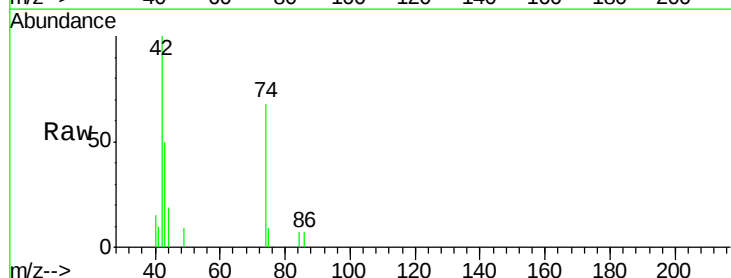
Tgt Ion: 42 Resp: 4022

Ion Ratio Lower Upper

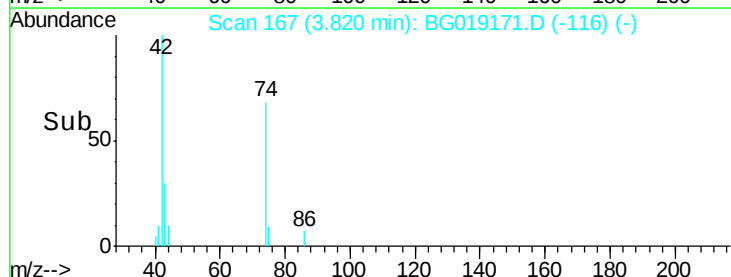
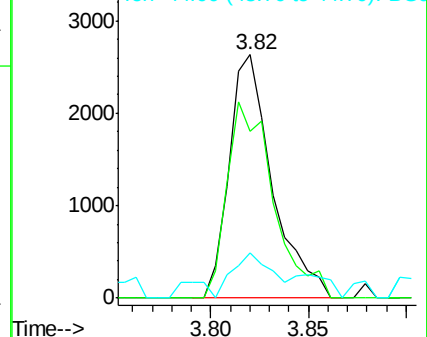
42 100

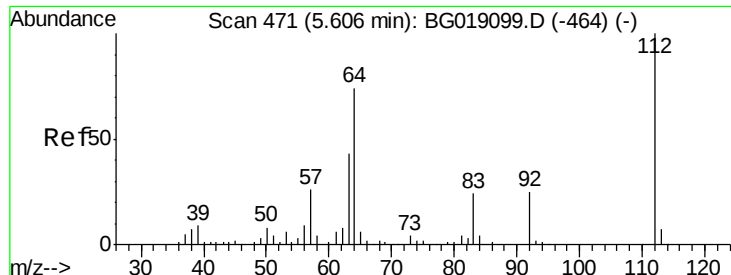
74 68.3 77.3 115.9#

44 18.7 7.2 10.8#



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





#5

2-Fluorophenol

Concen: 135.40 ng

RT: 5.61 min Scan# 472

Delta R.T. 0.01 min

Lab File: BG019171.D

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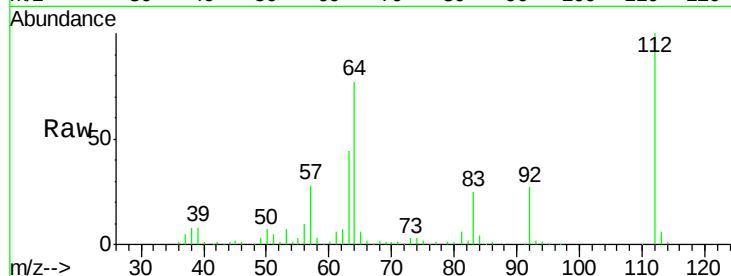
Tot Ion:112 Resp: 132073

Ion Ratio Lower Upper

112 100

64 77.0 59.0 88.4

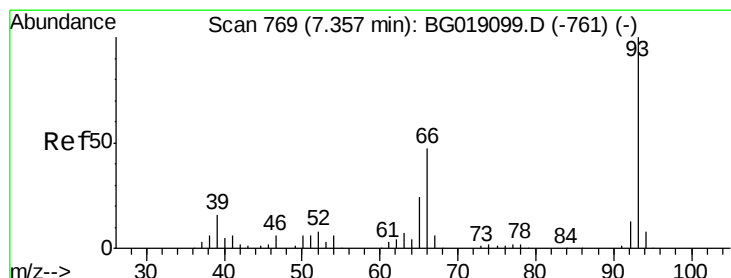
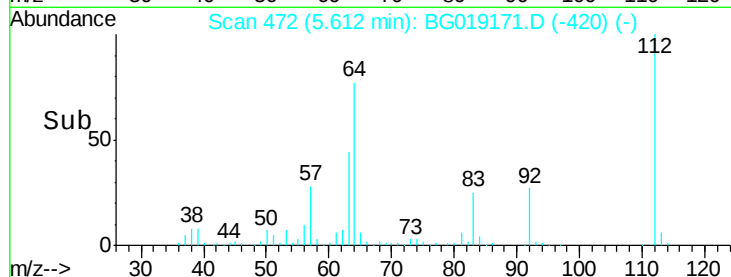
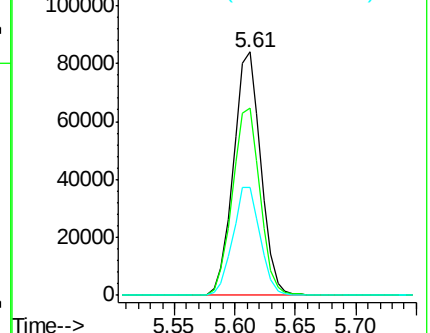
63 44.3 34.7 52.1



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 3.70 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

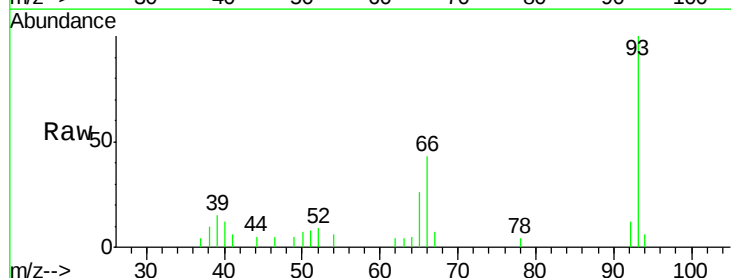
Tgt Ion: 93 Resp: 7504

Ion Ratio Lower Upper

93 100

66 42.9 37.4 56.2

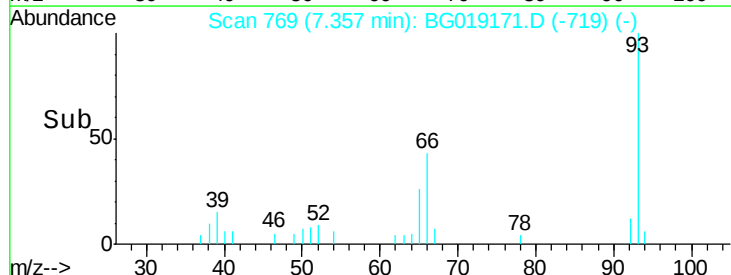
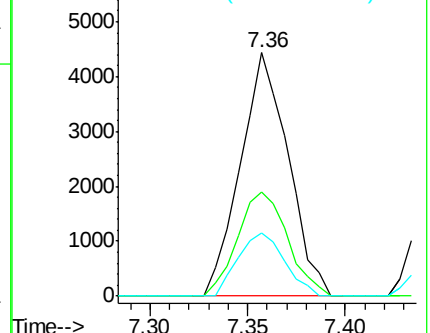
65 25.7 19.6 29.4

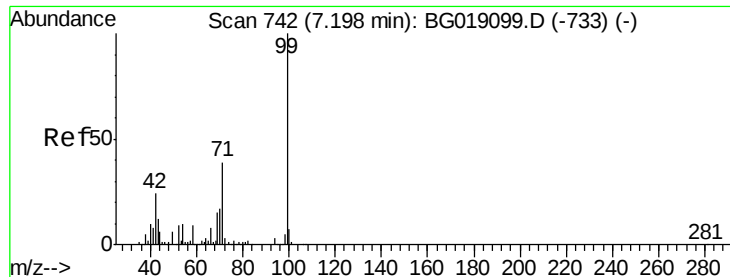


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 139.44 ng

RT: 7.20 min Scan# 743

Delta R.T. 0.00 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

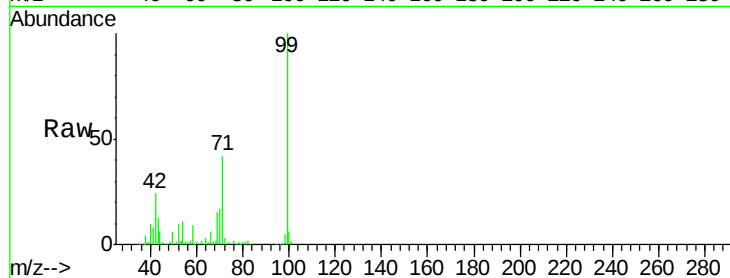
BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 99 Resp: 208957

Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.5	29.3
71	42.5	31.4	47.0

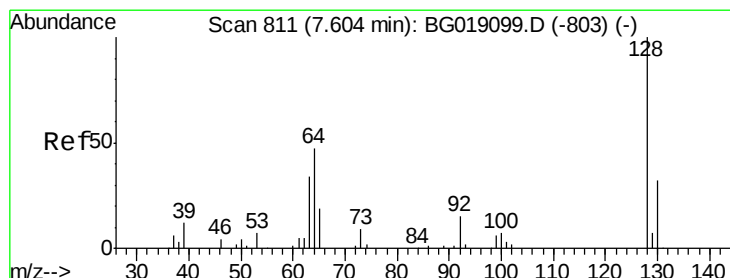
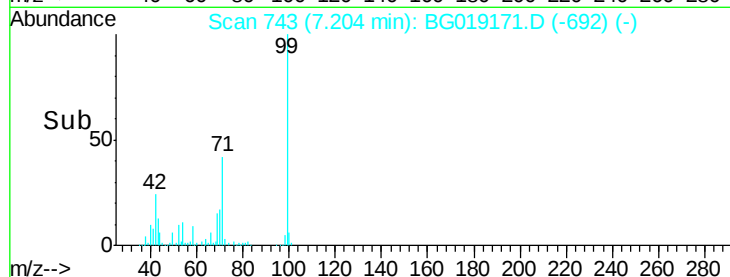
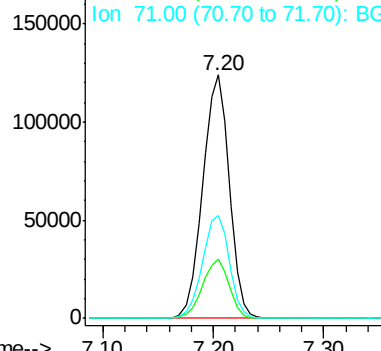


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 6.54 ng

RT: 7.60 min Scan# 810

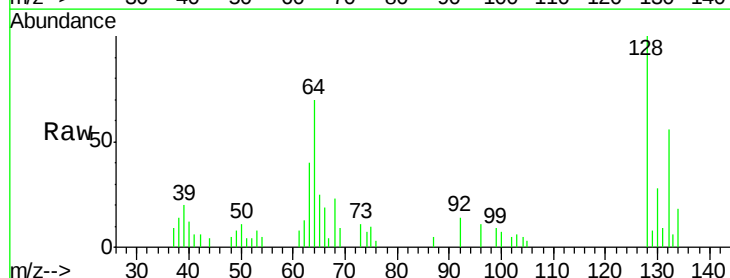
Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Tgt Ion: 128 Resp: 8011

Ion	Ratio	Lower	Upper
128	100		
130	28.2	12.3	52.3
64	70.3	35.8	75.8

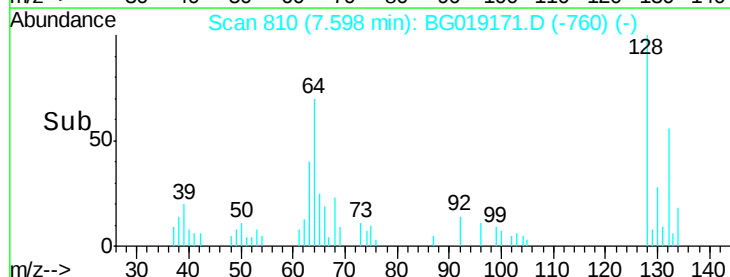
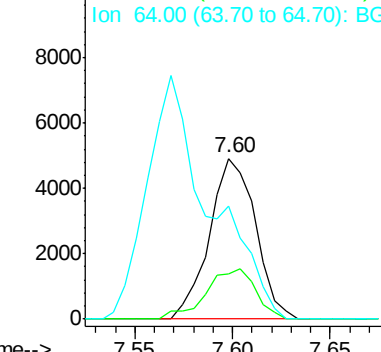


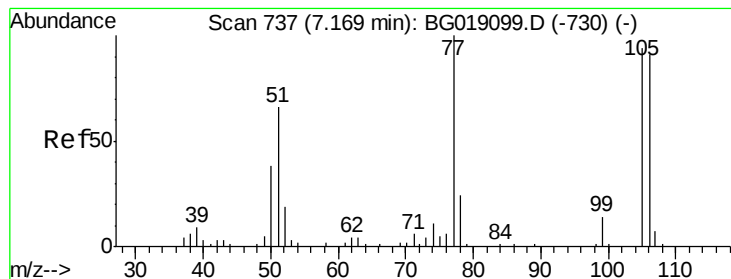
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 7.08 ng

RT: 7.17 min Scan# 737

Delta R.T. 0.00 min

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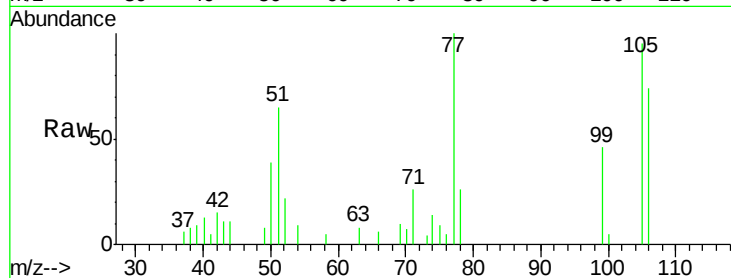
Tot Ion: 77 Resp: 6685

Ion Ratio Lower Upper

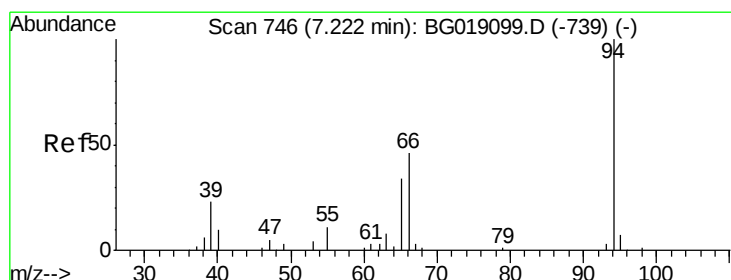
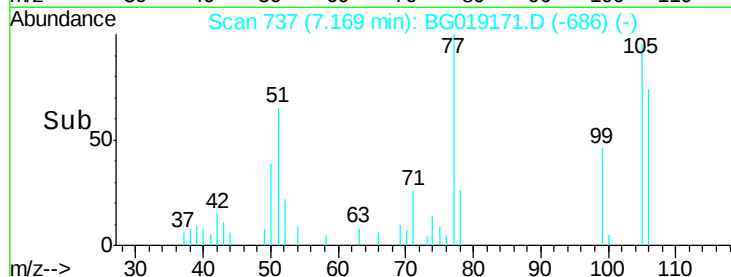
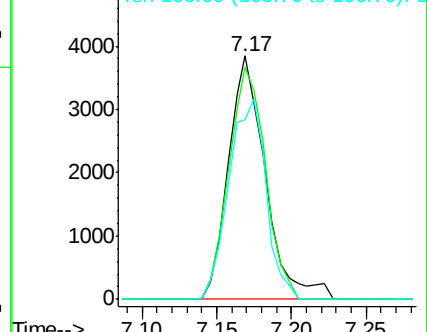
77 100

105 95.3 73.7 113.7

106 74.0 71.0 111.0



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



#10

Phenol

Concen: 6.78 ng

RT: 7.23 min Scan# 747

Delta R.T. 0.00 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

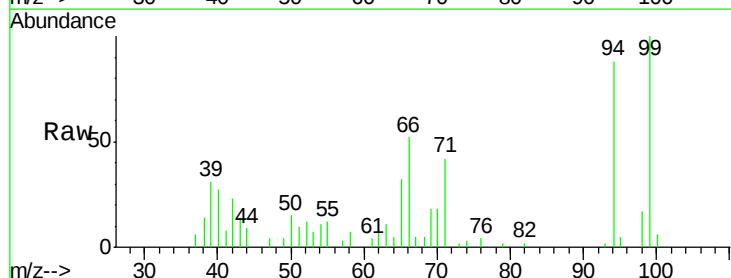
Tgt Ion: 94 Resp: 10581

Ion Ratio Lower Upper

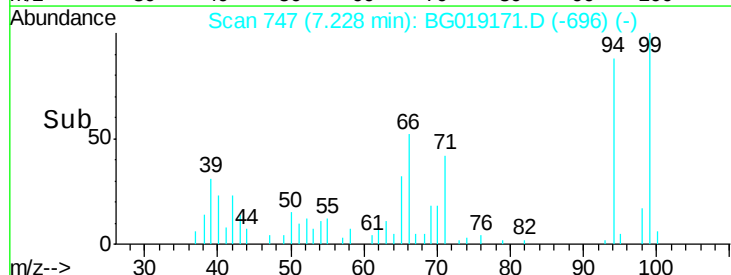
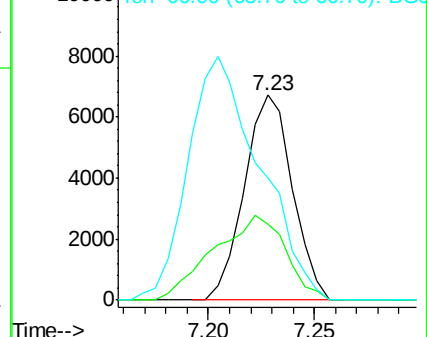
94 100

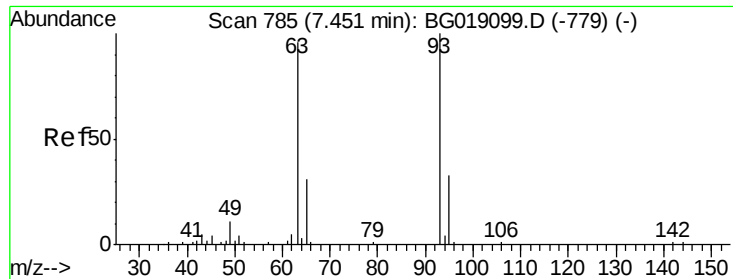
65 36.9 15.2 55.2

66 59.4 28.7 68.7



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

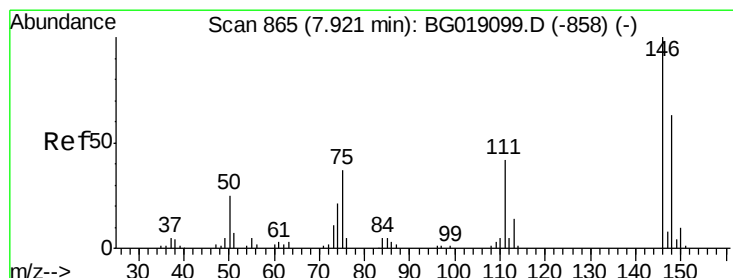
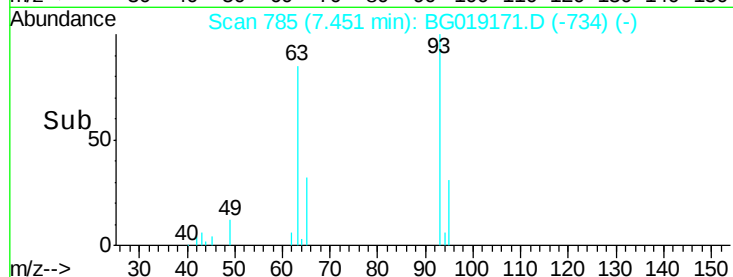
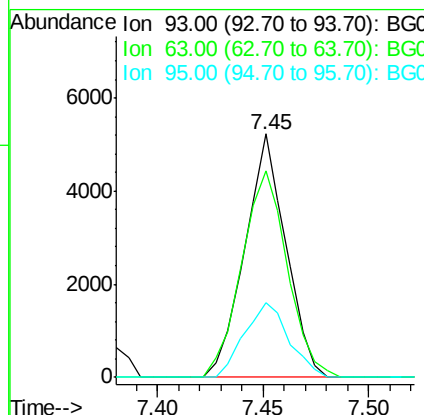
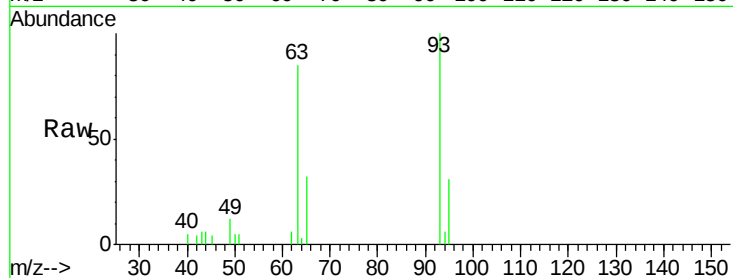




#11
bis(2-Chloroethyl)ether
Concen: 5.97 ng
RT: 7.45 min Scan# 785
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

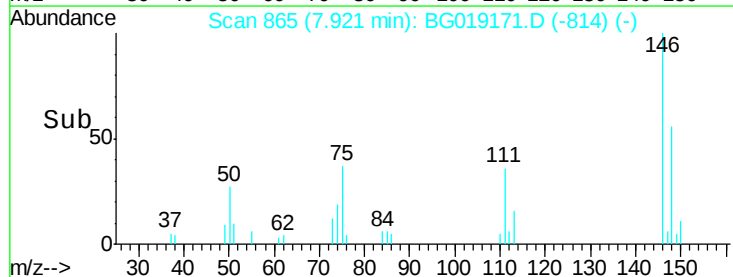
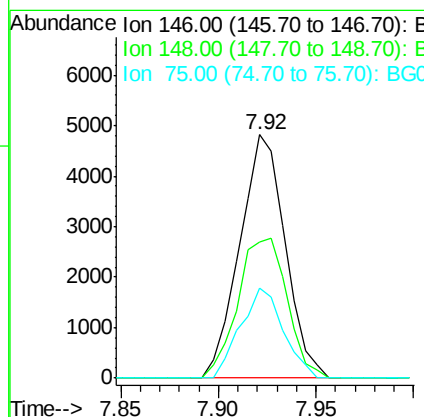
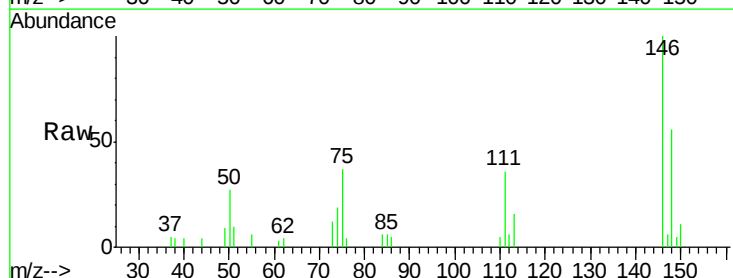
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

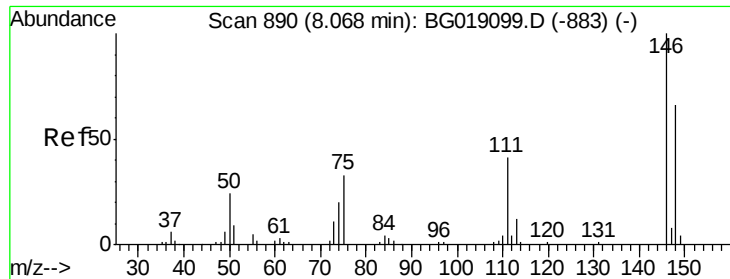
Tot Ion: 93 Resp: 7044
Ion Ratio Lower Upper
93 100
63 84.9 75.3 115.3
95 30.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 5.82 ng
RT: 7.92 min Scan# 865
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion: 146 Resp: 7772
Ion Ratio Lower Upper
146 100
148 56.1 50.2 75.4
75 37.1 29.3 43.9

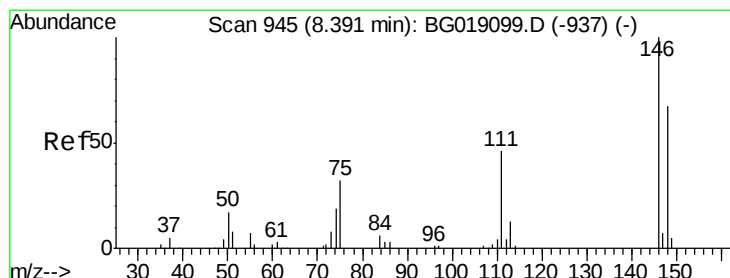
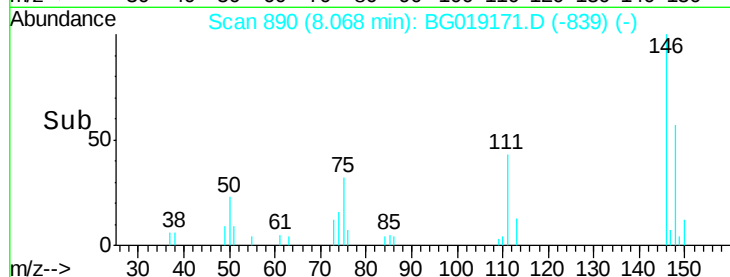
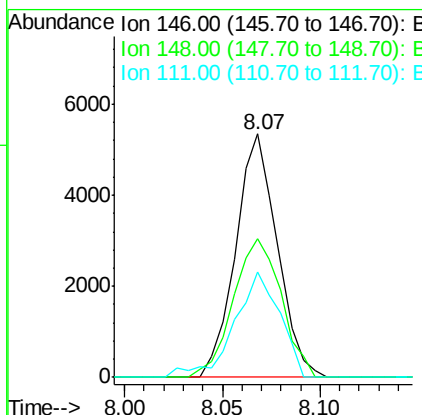
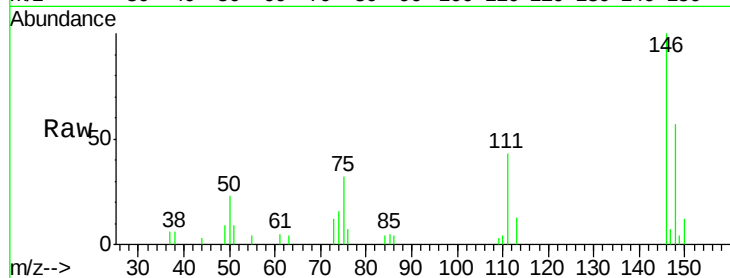




#13
 1,4-Dichlorobenzene
 Concen: 5.77 ng
 RT: 8.07 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

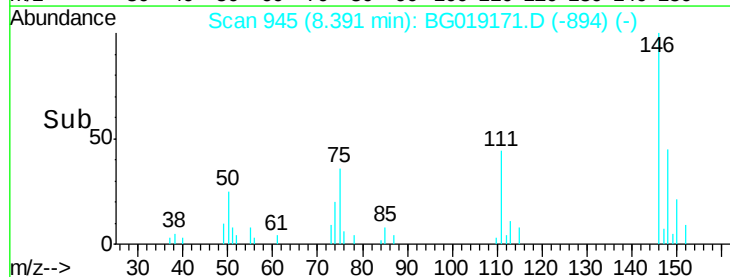
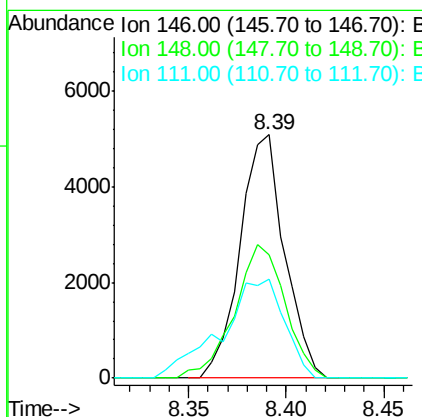
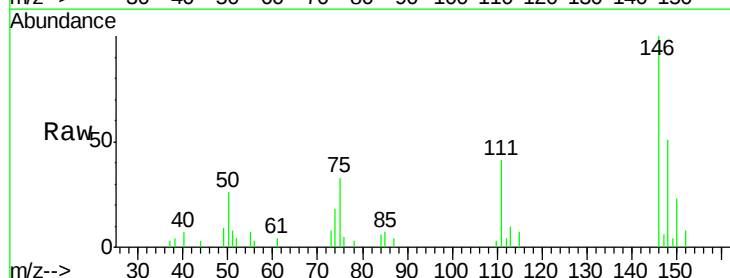
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

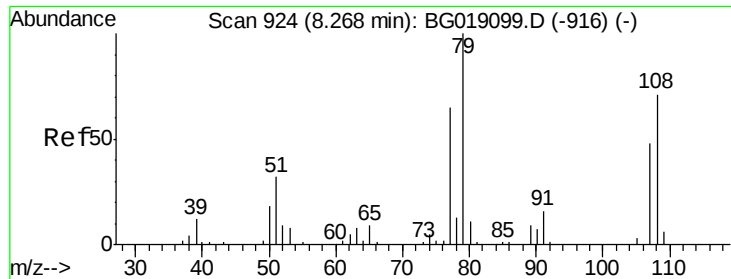
Tot Ion:146 Resp: 7893
 Ion Ratio Lower Upper
 146 100
 148 56.7 52.9 79.3
 111 43.3 33.1 49.7



#14
 1,2-Dichlorobenzene
 Concen: 6.07 ng
 RT: 8.39 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:146 Resp: 8029
 Ion Ratio Lower Upper
 146 100
 148 50.7 53.6 80.4#
 111 40.9 37.3 55.9





#15

Benzyl Alcohol

Concen: 6.15 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

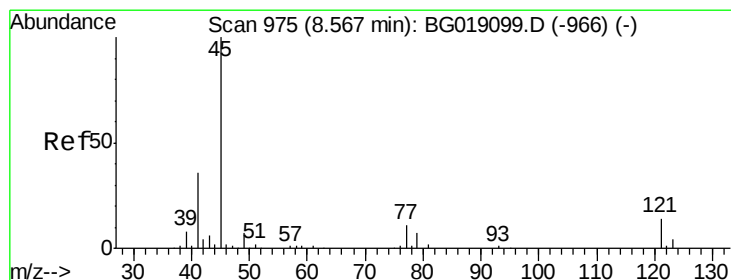
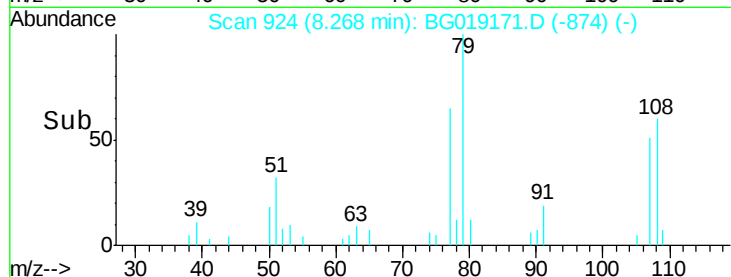
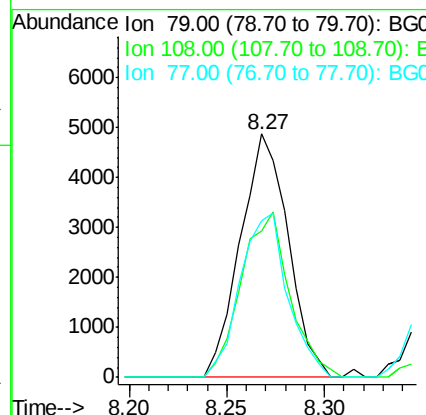
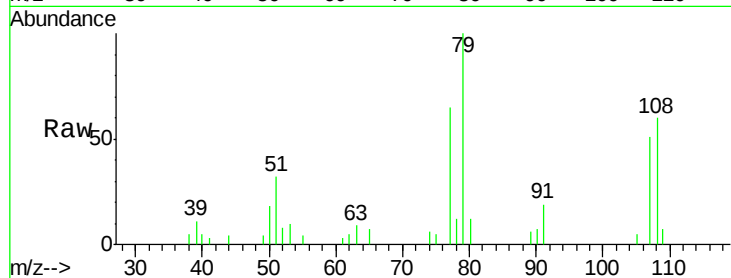
Tot Ion: 79 Resp: 8237

Ion Ratio Lower Upper

79 100

108 59.9 56.6 84.8

77 64.5 51.6 77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.38 ng

RT: 8.57 min Scan# 975

Delta R.T. 0.00 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

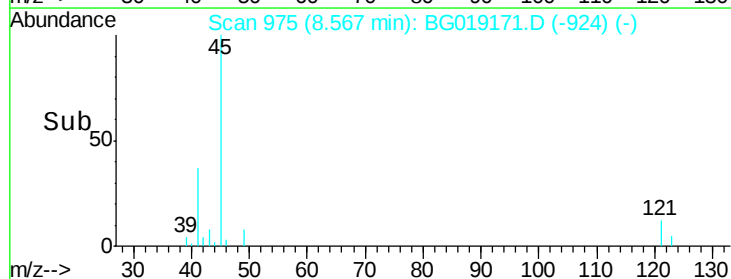
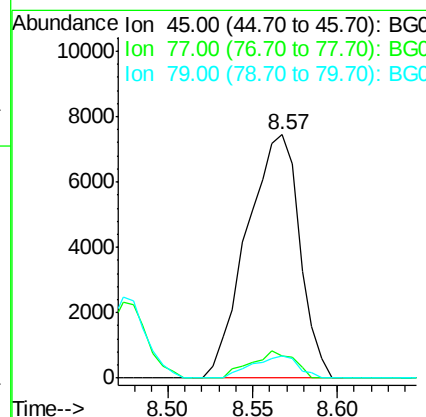
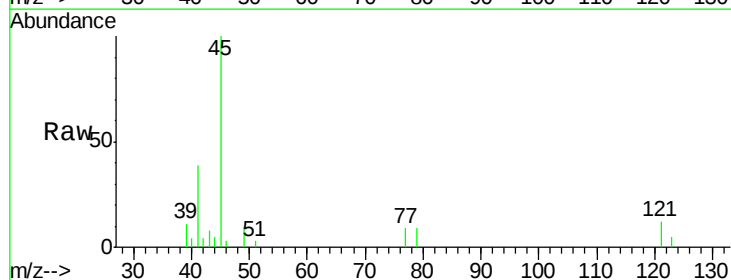
Tgt Ion: 45 Resp: 16105

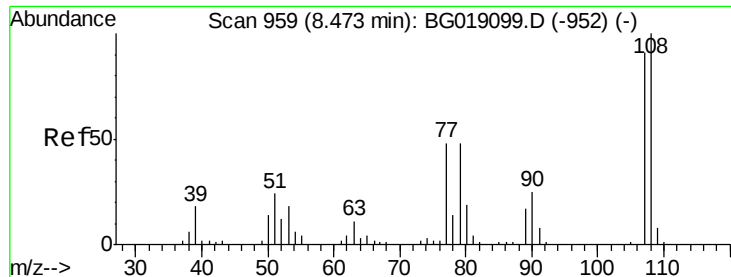
Ion Ratio Lower Upper

45 100

77 8.9 0.0 30.8

79 9.2 0.0 27.5

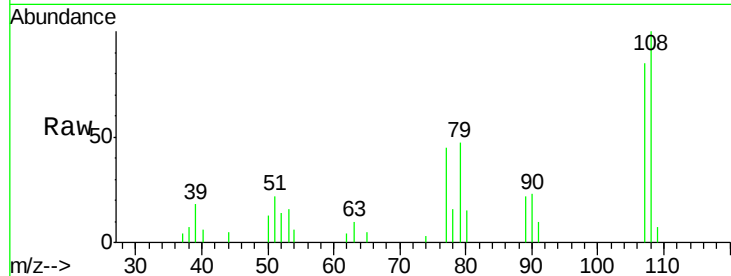




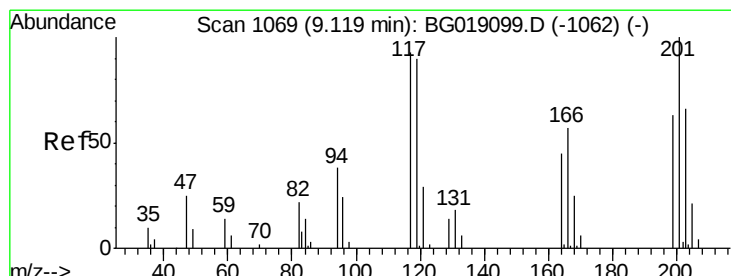
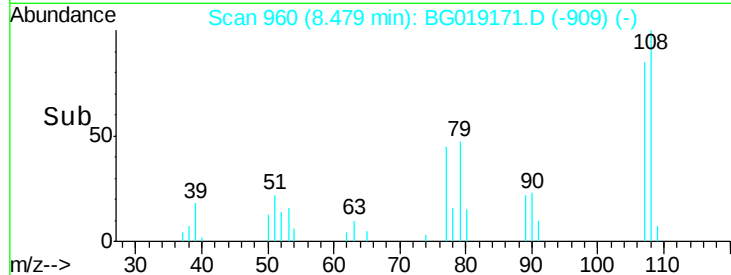
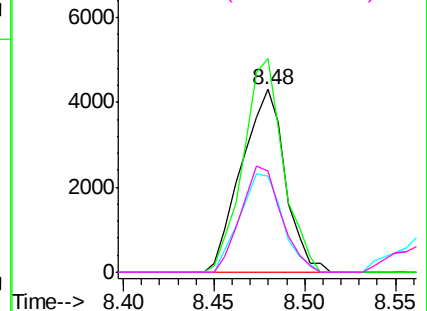
#17
2-Methylphenol
Concen: 6.48 ng
RT: 8.48 min Scan# 960
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:107 Resp: 7225
Ion Ratio Lower Upper
107 100
108 117.1 87.7 131.5
77 52.6 42.2 63.2
79 55.2 42.1 63.1

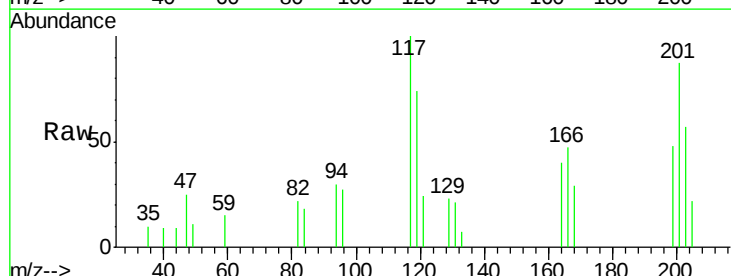


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG

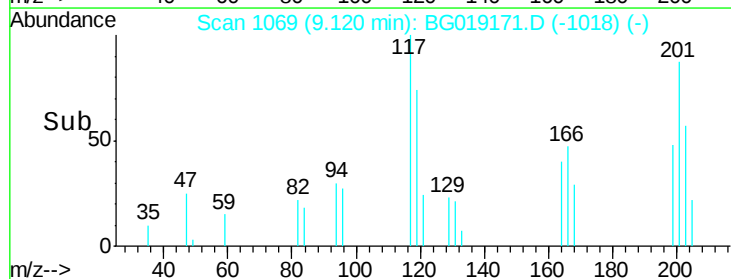
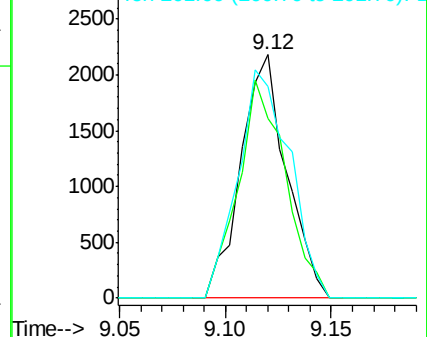


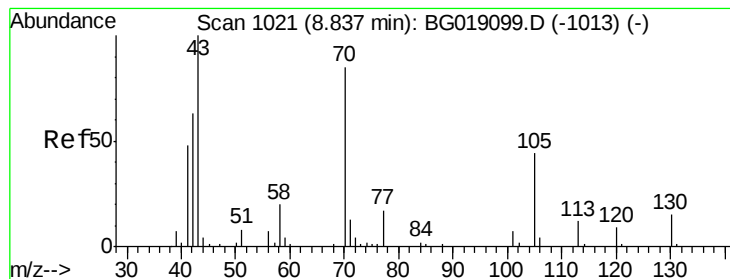
#18
Hexachloroethane
Concen: 6.29 ng
RT: 9.12 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:117 Resp: 3277
Ion Ratio Lower Upper
117 100
119 73.9 77.0 115.4#
201 87.1 85.6 128.4



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: 5.65 ng

RT: 8.83 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion: 70 Resp: 6716

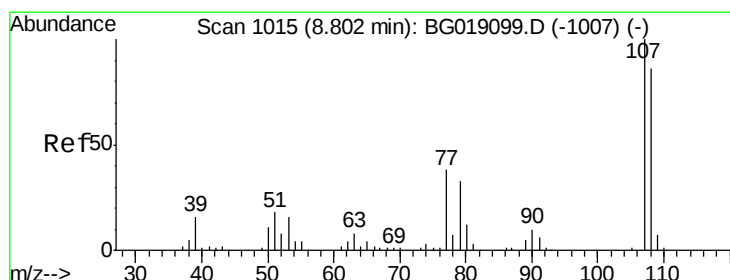
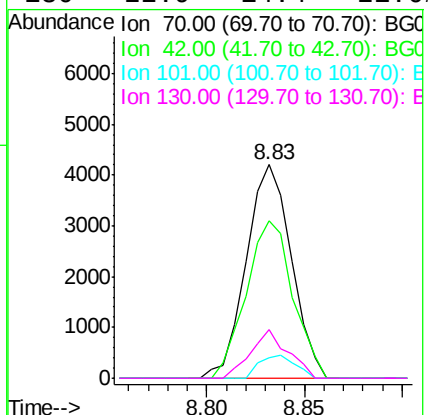
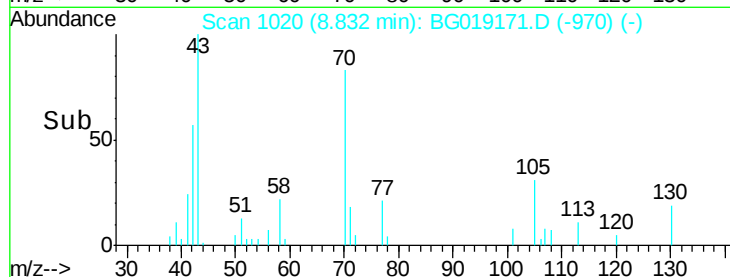
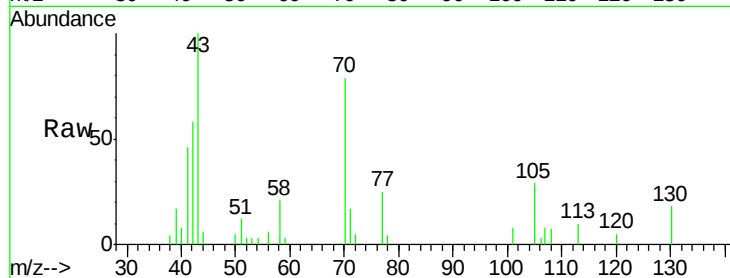
Ion Ratio Lower Upper

70 100

42 73.4 59.8 89.8

101 9.6 7.0 10.4

130 22.9 14.4 21.6#



#20

3+4-Methylphenols

Concen: 6.11 ng

RT: 8.80 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Tgt Ion: 107 Resp: 9800

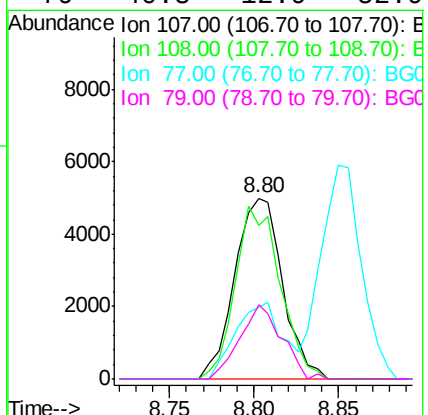
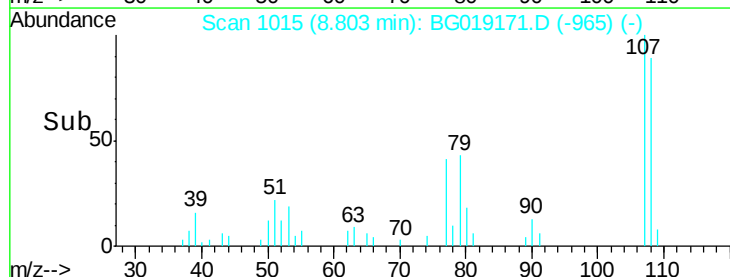
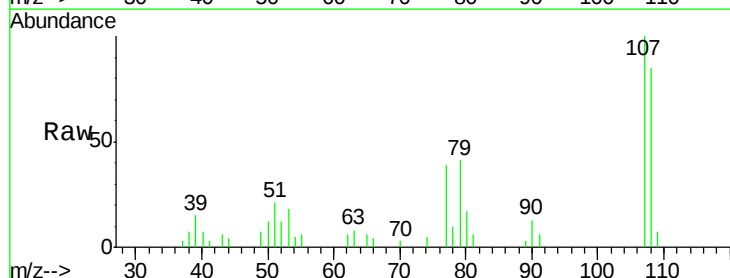
Ion Ratio Lower Upper

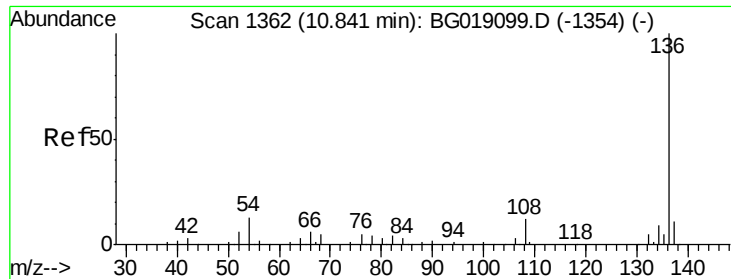
107 100

108 84.9 66.2 106.2

77 39.4 17.8 57.8

79 40.8 12.9 52.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:136 Resp: 88459

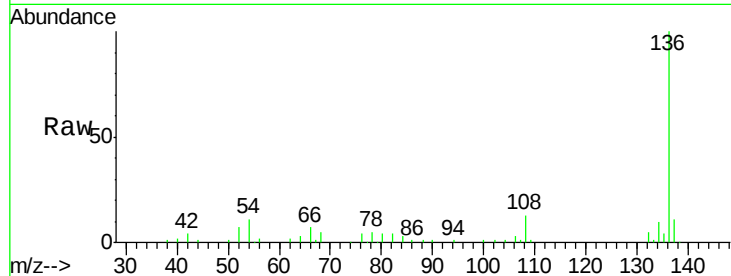
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 11.4 10.1 15.1

68 5.4 4.4 6.6

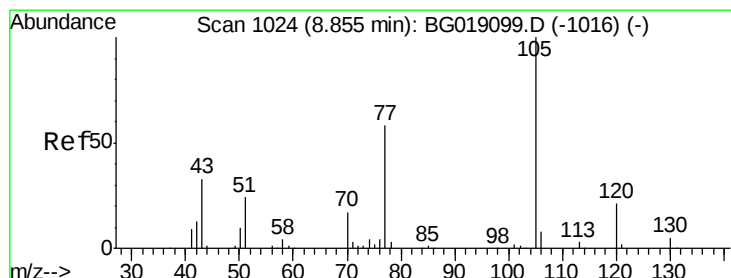
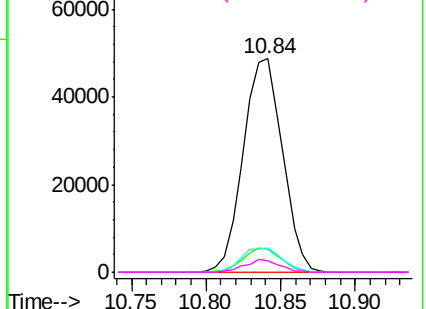
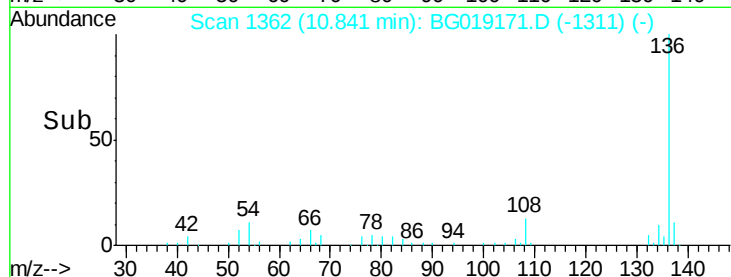


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 6.21 ng

RT: 8.85 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Tgt Ion:105 Resp: 12844

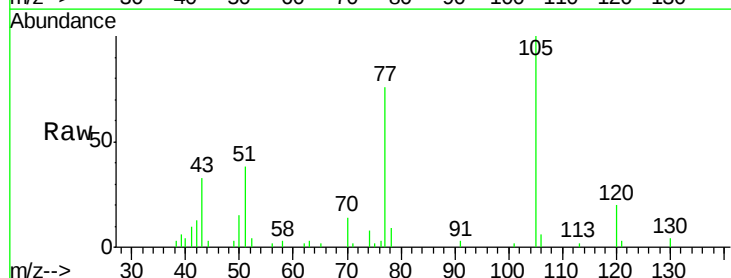
Ion Ratio Lower Upper

105 100

71 2.1 2.2 3.2#

51 38.2 29.2 43.8

120 20.2 16.6 24.8

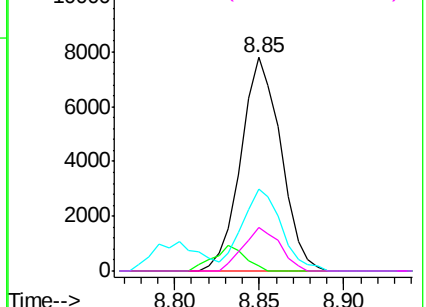
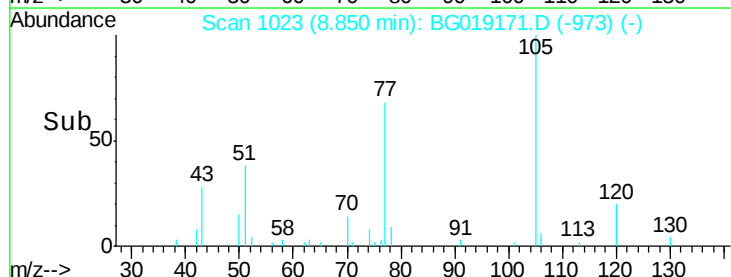


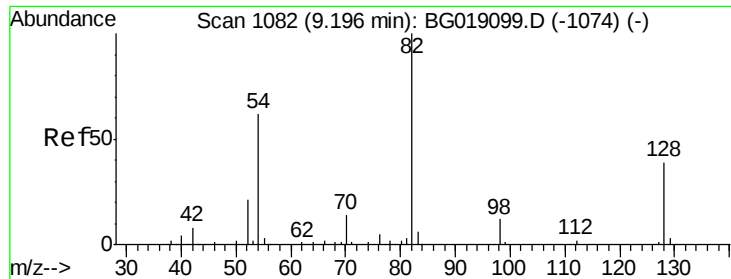
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

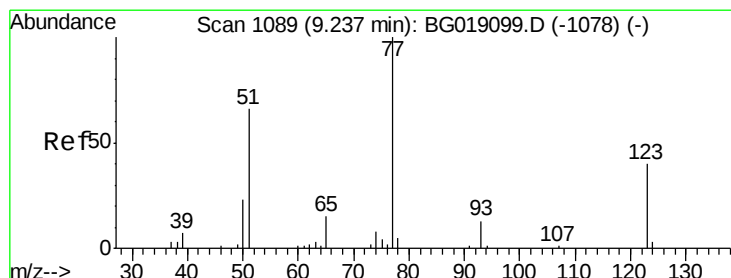
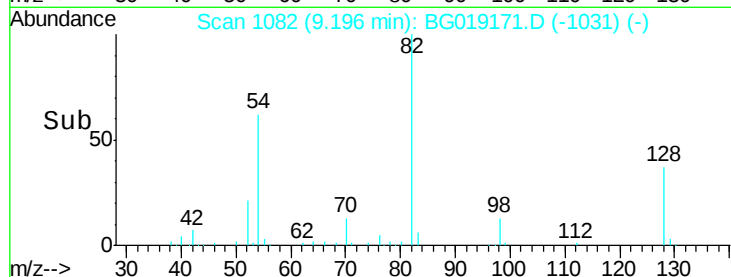
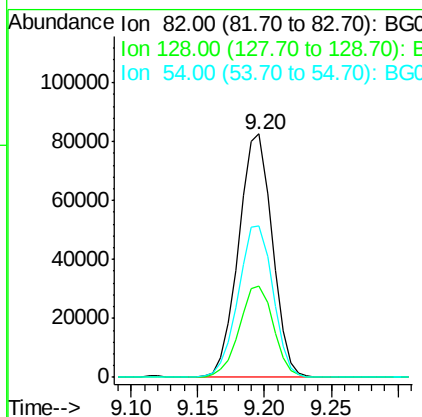
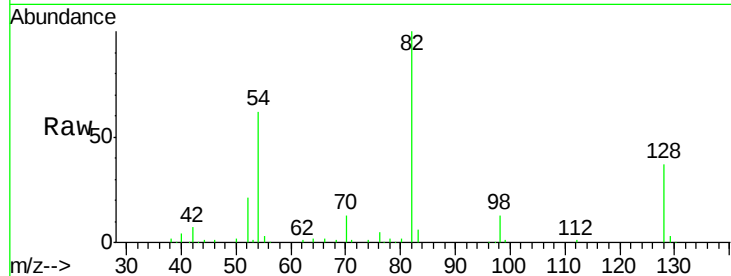




#23
Nitrobenzene-d5
Concen: 90.27 ng
RT: 9.20 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

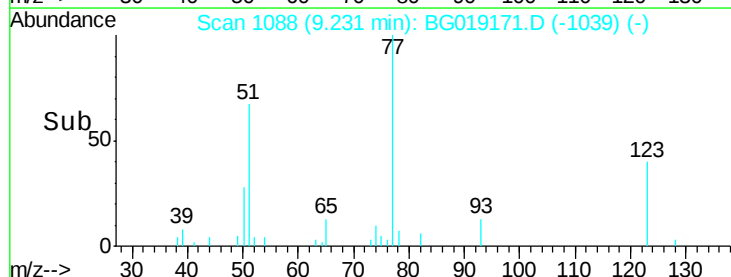
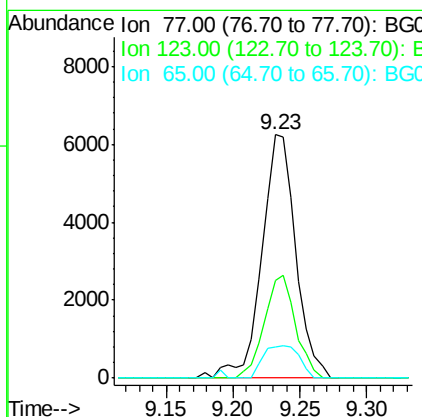
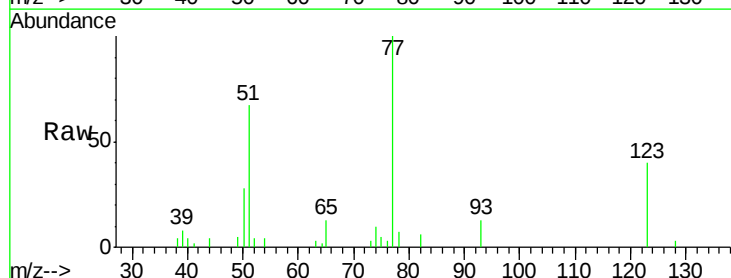
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

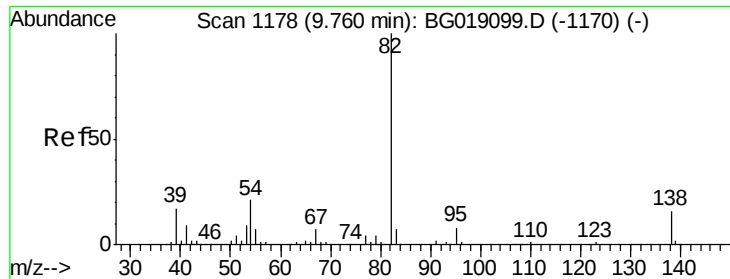
Tot Ion: 82 Resp: 144523
Ion Ratio Lower Upper
82 100
128 37.4 31.4 47.2
54 62.3 50.0 75.0



#24
Nitrobenzene
Concen: 6.49 ng
RT: 9.23 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion: 77 Resp: 11020
Ion Ratio Lower Upper
77 100
123 40.2 31.8 47.6
65 12.9 11.8 17.6





#25

Isophorone

Concen: 5.68 ng

RT: 9.75 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

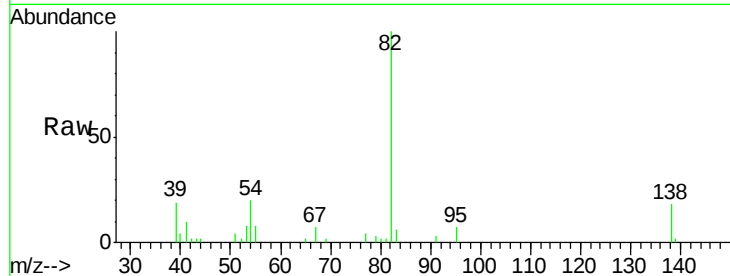
Tot Ion: 82 Resp: 18495

Ion Ratio Lower Upper

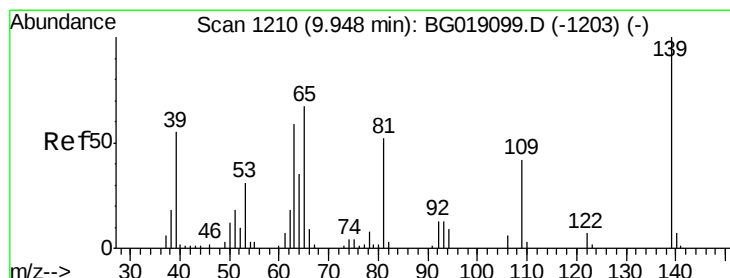
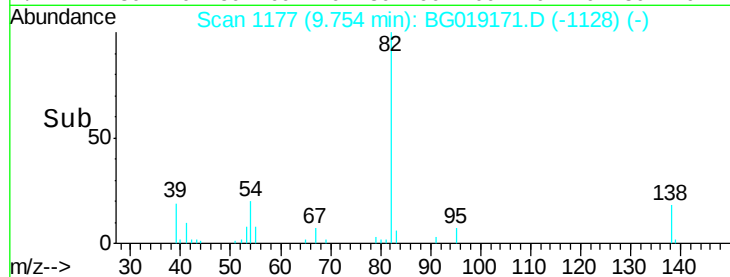
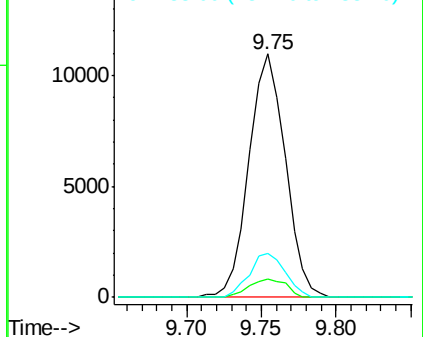
82 100

95 7.3 6.7 10.1

138 17.9 12.6 19.0



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



#26

2-Nitrophenol

Concen: 5.53 ng

RT: 9.94 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

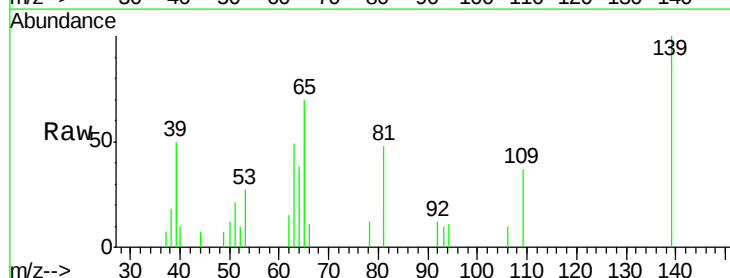
Tgt Ion: 139 Resp: 4002

Ion Ratio Lower Upper

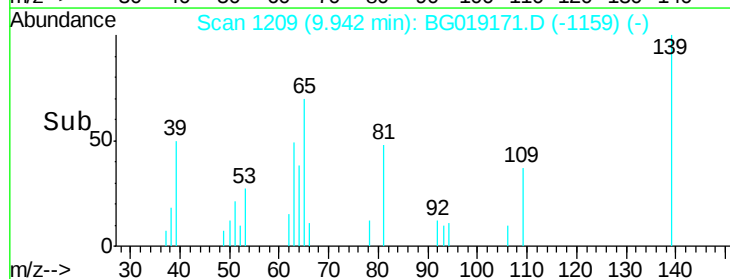
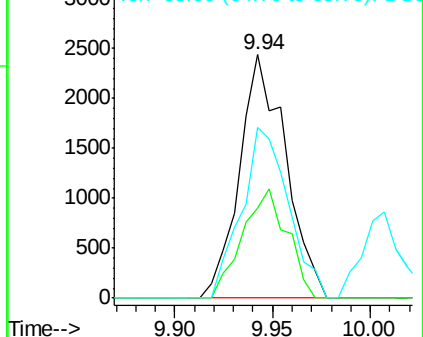
139 100

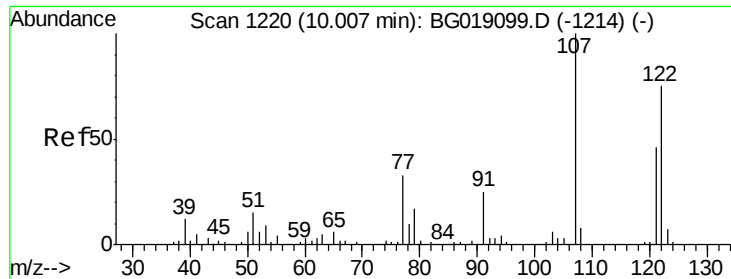
109 36.8 33.3 49.9

65 70.3 53.6 80.4



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

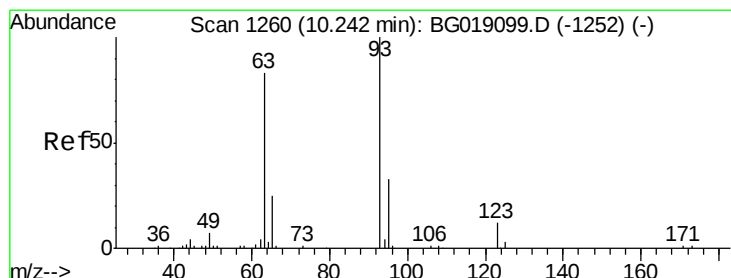
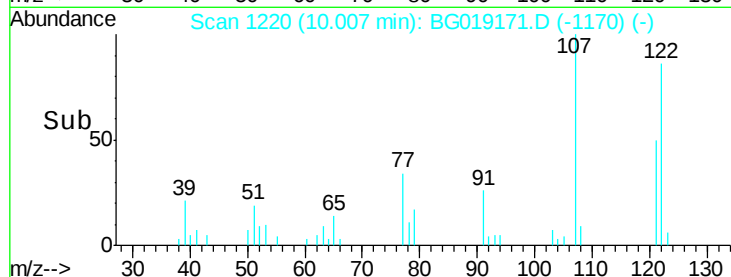
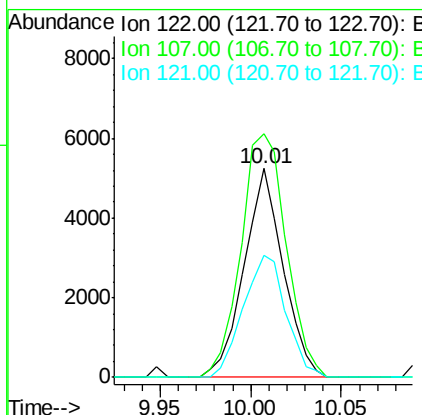
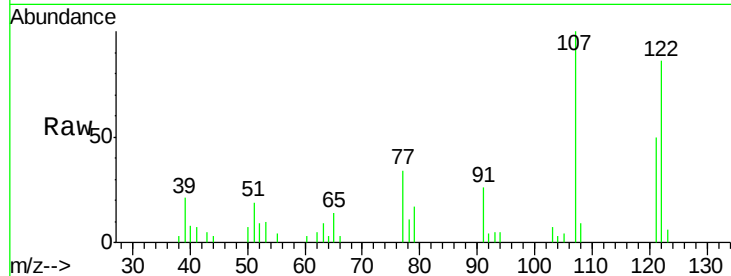




#27
 2,4-Dimethylphenol
 Concen: 6.22 ng
 RT: 10.01 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

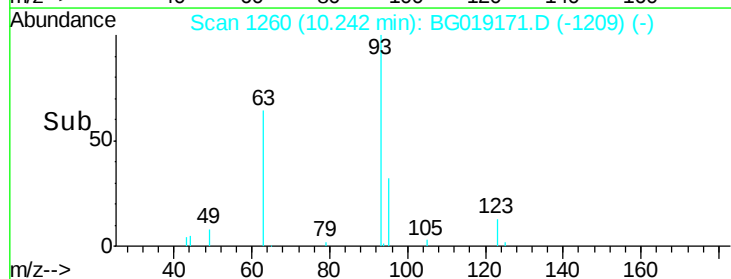
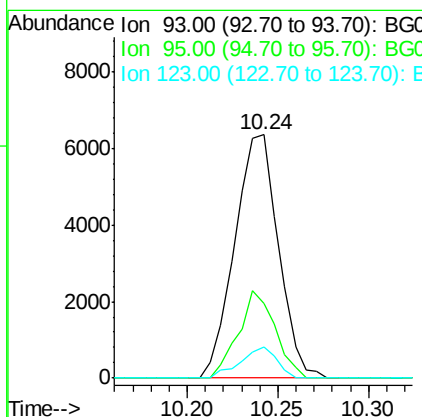
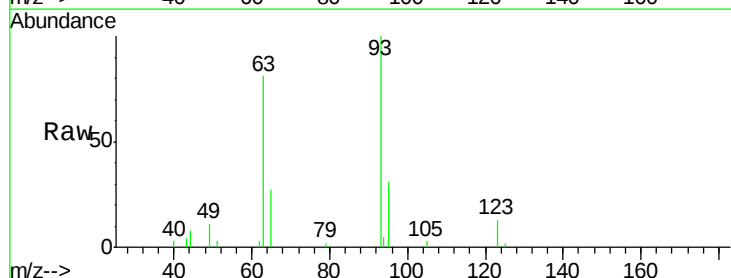
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

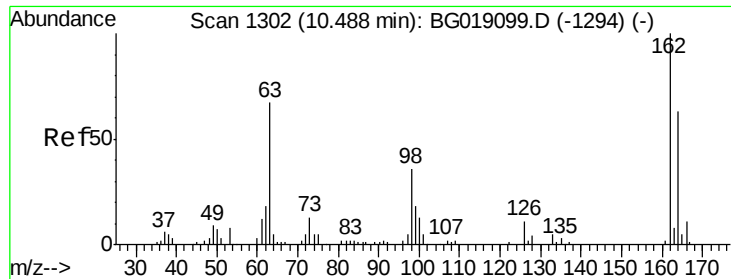
Tot Ion:122 Resp: 7875
 Ion Ratio Lower Upper
 122 100
 107 116.7 105.1 157.7
 121 58.4 48.7 73.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 6.13 ng
 RT: 10.24 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion: 93 Resp: 10660
 Ion Ratio Lower Upper
 93 100
 95 30.7 26.5 39.7
 123 12.6 9.4 14.2

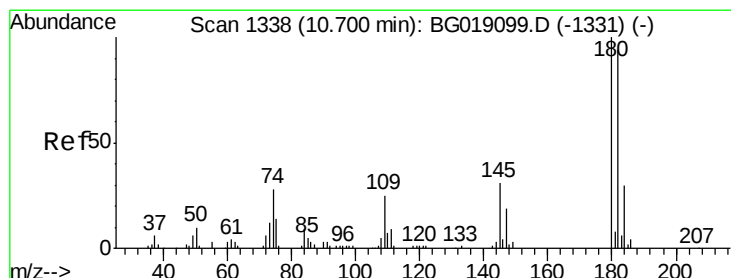
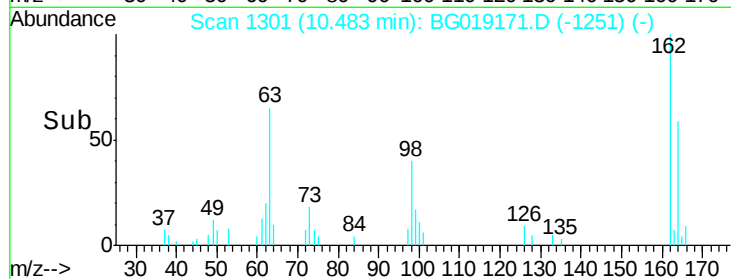
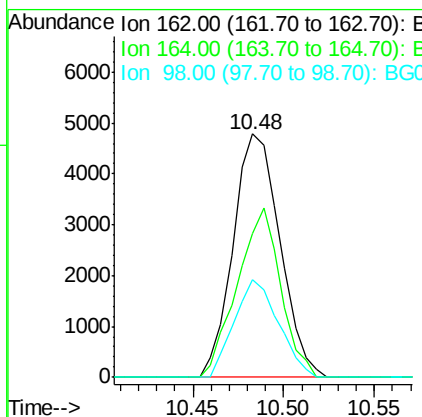
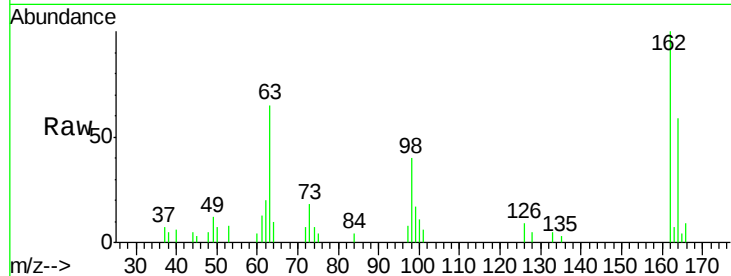




#29
2,4-Dichlorophenol
Concen: 6.46 ng
RT: 10.48 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

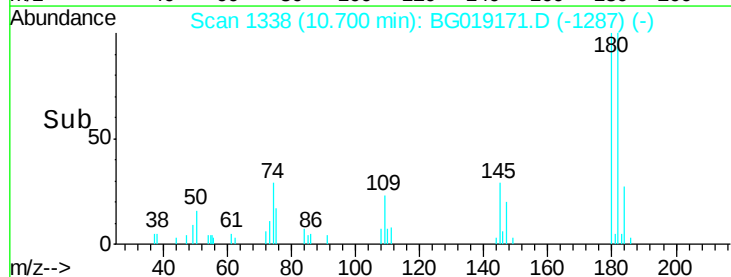
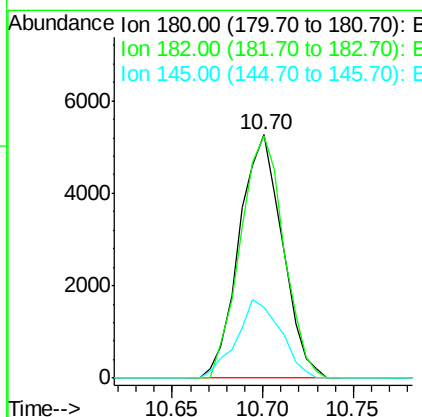
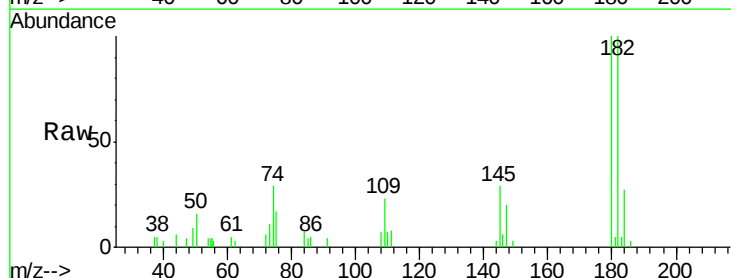
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

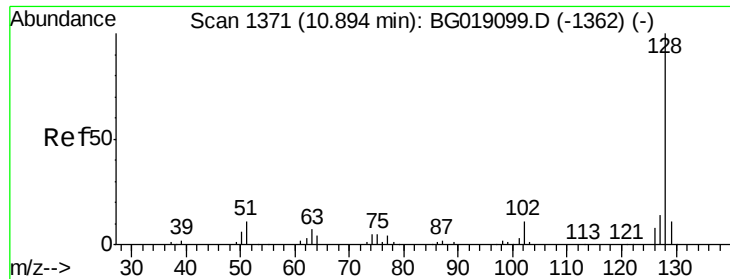
Tot Ion:162 Resp: 8575
Ion Ratio Lower Upper
162 100
164 59.2 42.8 82.8
98 40.0 16.1 56.1



#30
1,2,4-Trichlorobenzene
Concen: 6.14 ng
RT: 10.70 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:180 Resp: 8740
Ion Ratio Lower Upper
180 100
182 99.6 75.3 112.9
145 28.9 24.9 37.3

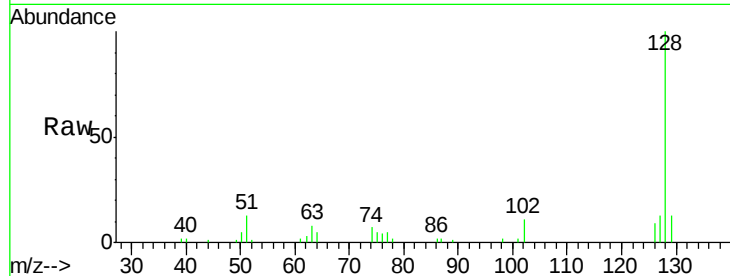




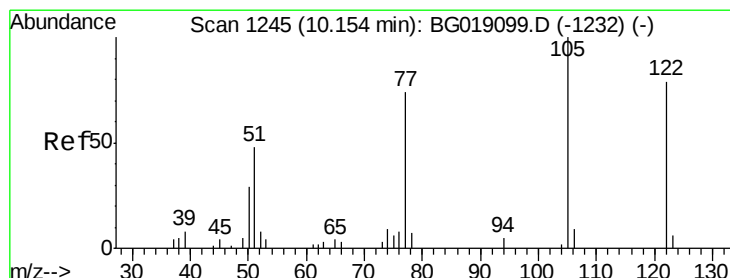
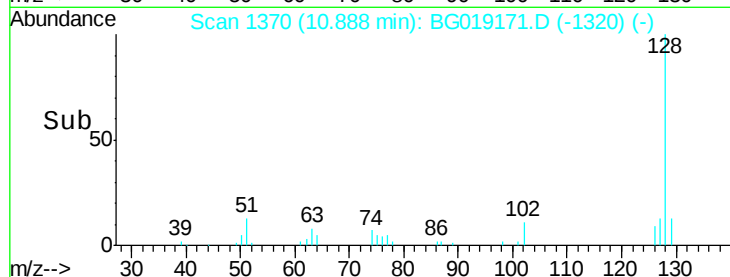
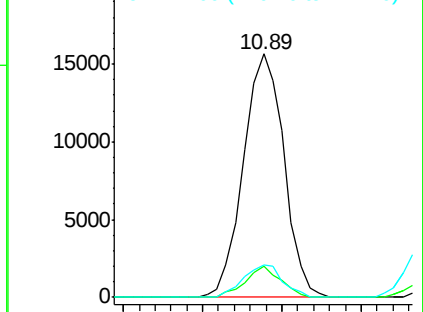
#31
Naphthalene
Concen: 6.53 ng
RT: 10.89 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:128 Resp: 27802
Ion Ratio Lower Upper
128 100
129 12.6 8.6 12.8
127 13.3 11.4 17.0

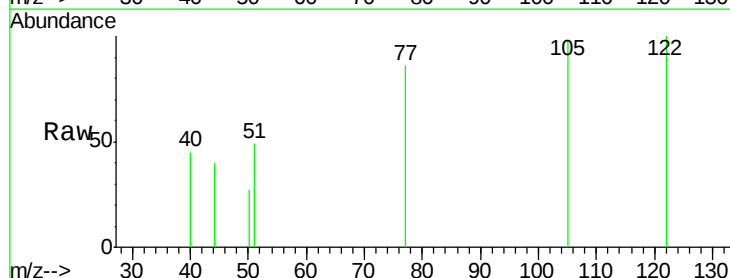


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

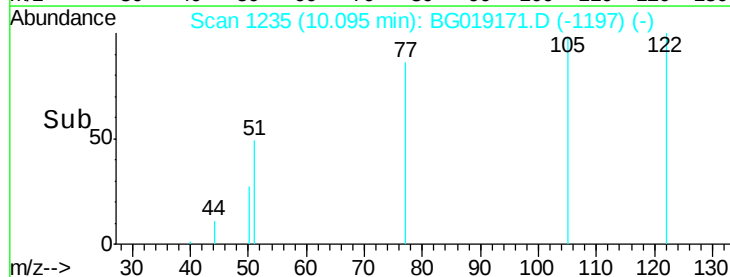
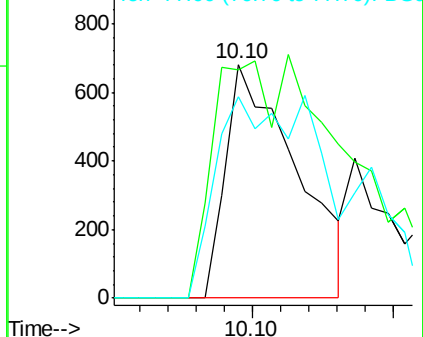


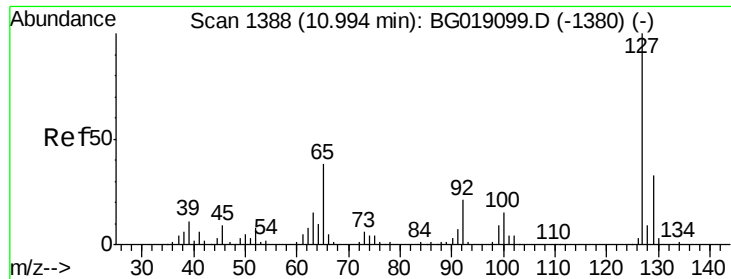
#32
Benzoic acid
Concen: 9.05 ng
RT: 10.10 min Scan# 1235
Delta R.T. -0.08 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:122 Resp: 1180
Ion Ratio Lower Upper
122 100
105 97.7 107.0 147.0#
77 85.9 73.4 113.4



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

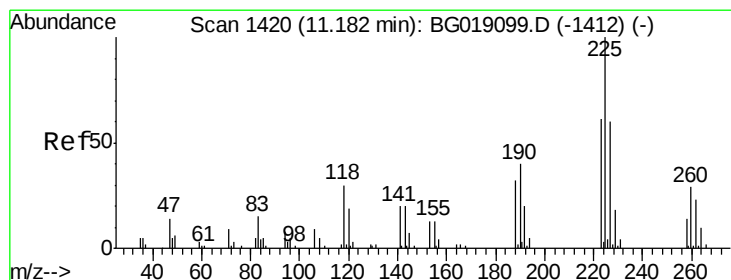
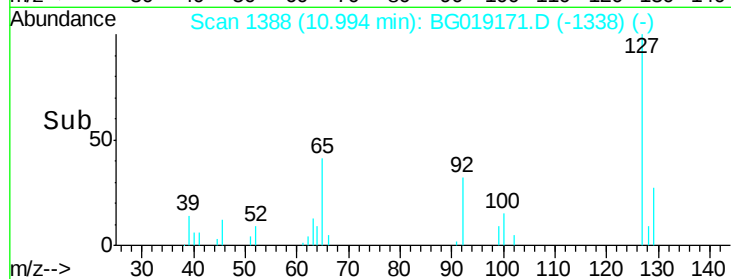
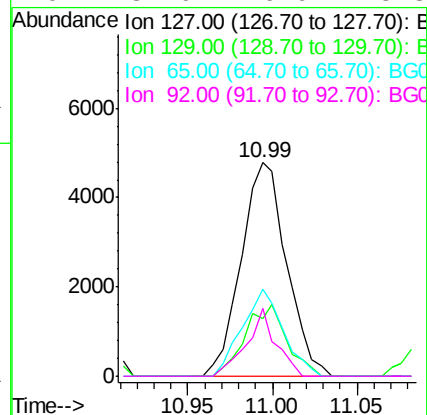
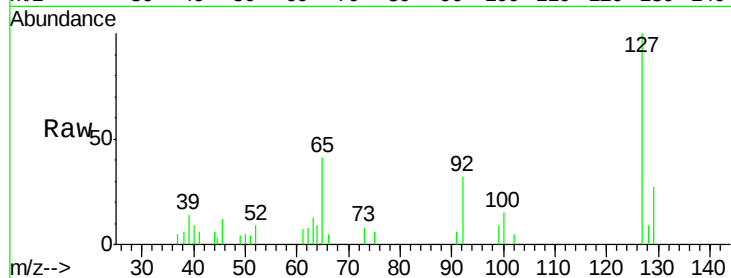




#33
4-Chloroaniline
Concen: 4.51 ng
RT: 10.99 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

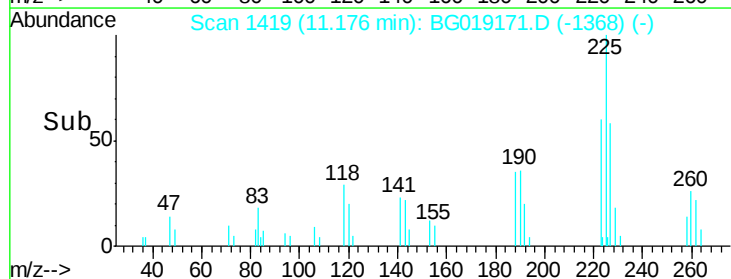
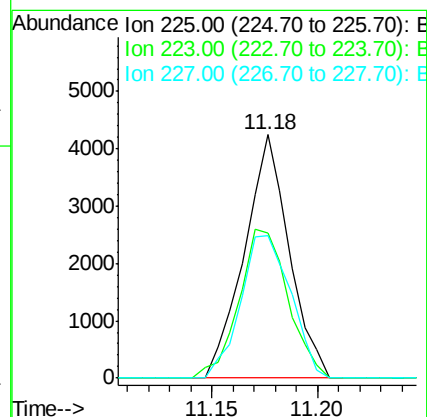
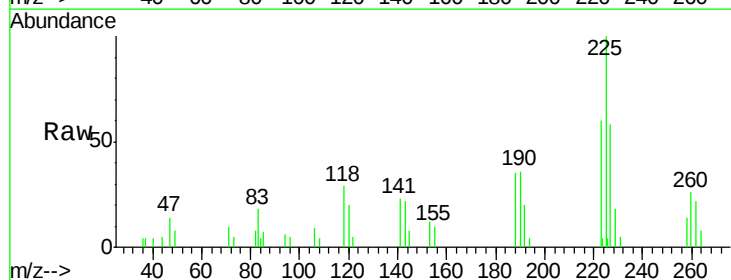
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

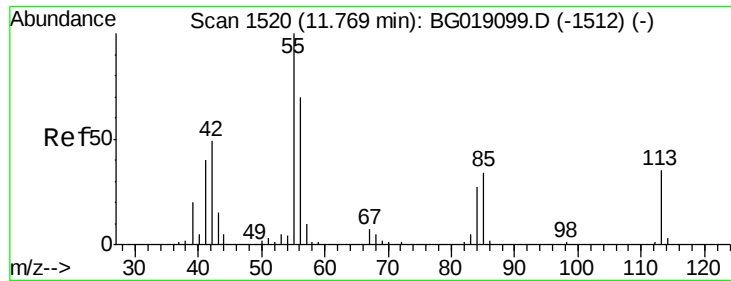
Tot Ion:	127	Resp:	8930
Ion	Ratio	Lower	Upper
127	100		
129	26.8	26.2	39.2
65	40.7	30.4	45.6
92	31.9	16.9	25.3



#34
Hexachlorobutadiene
Concen: 6.41 ng
RT: 11.18 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:	225	Resp:	6256
Ion	Ratio	Lower	Upper
225	100		
223	59.6	48.6	72.8
227	58.4	48.1	72.1





#35

Caprolactam

Concen: 5.24 ng

RT: 11.75 min Scan# 1516

Delta R.T. -0.05 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

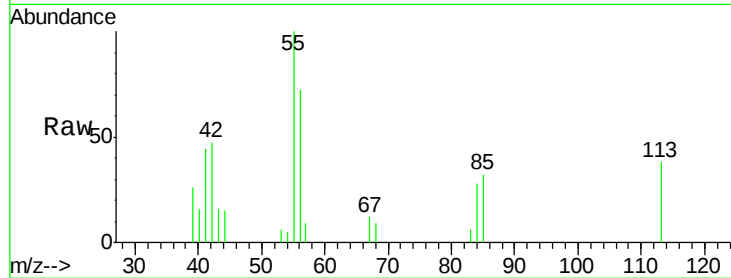
Tot Ion:113 Resp: 2561

Ion Ratio Lower Upper

113 100

55 263.1 263.4 303.4#

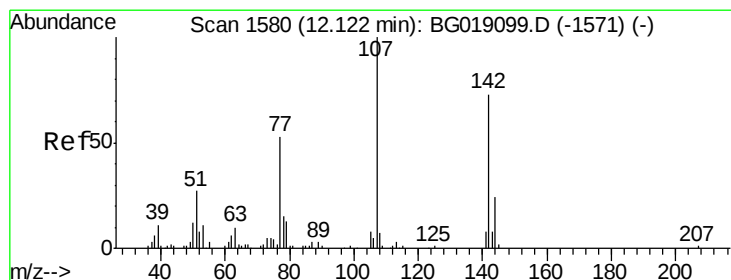
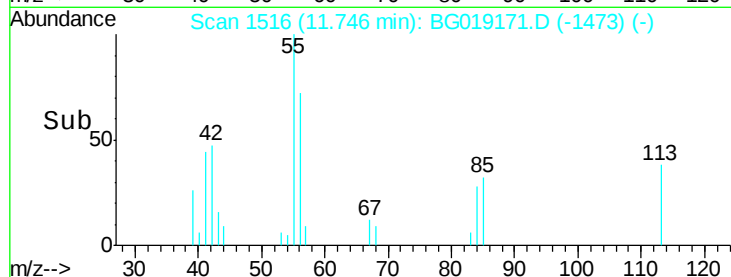
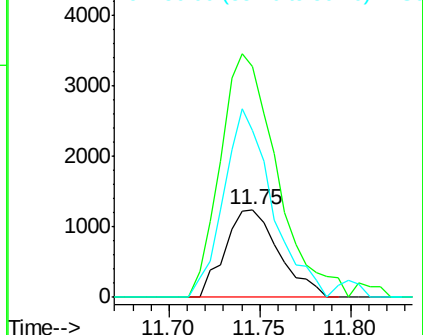
56 189.6 179.0 219.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 6.19 ng

RT: 12.12 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

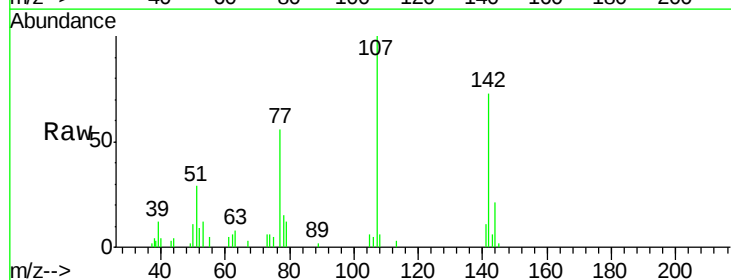
Tgt Ion:107 Resp: 10441

Ion Ratio Lower Upper

107 100

144 20.6 19.0 28.6

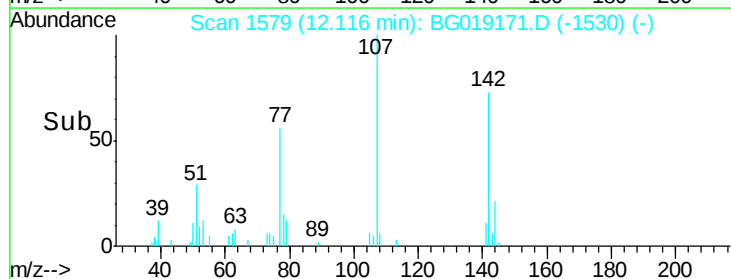
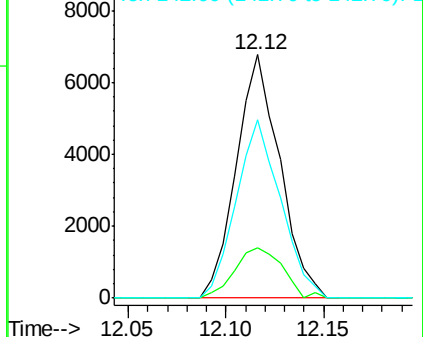
142 73.4 58.5 87.7

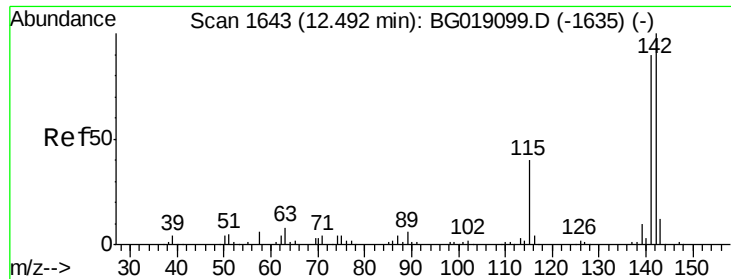


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

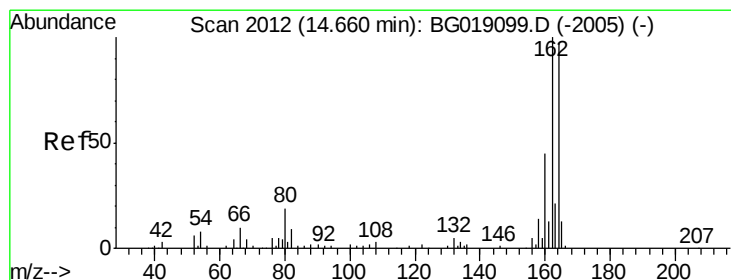
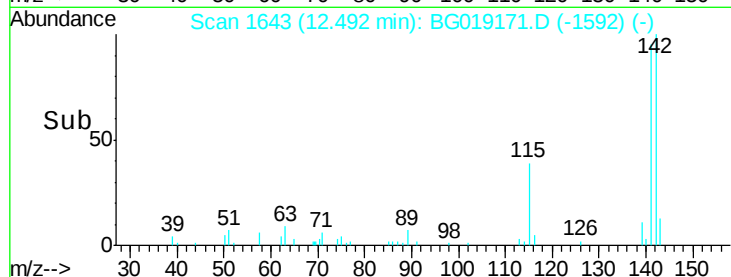
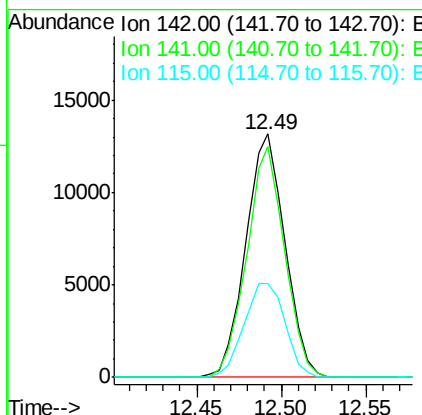
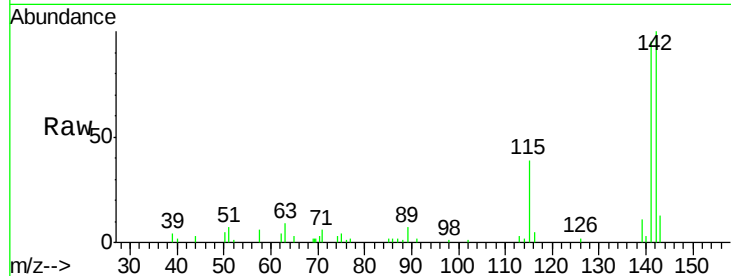




#37
2-Methylnaphthalene
Concen: 6.42 ng
RT: 12.49 min Scan# 1643
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

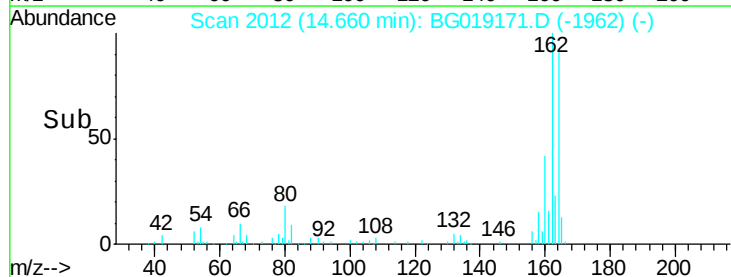
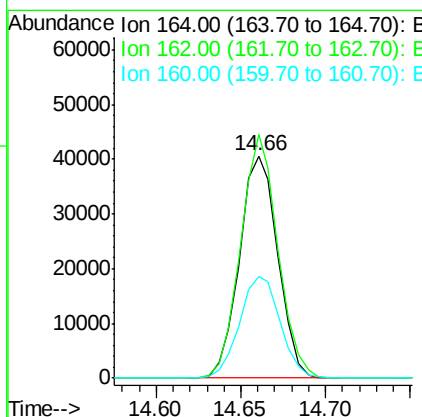
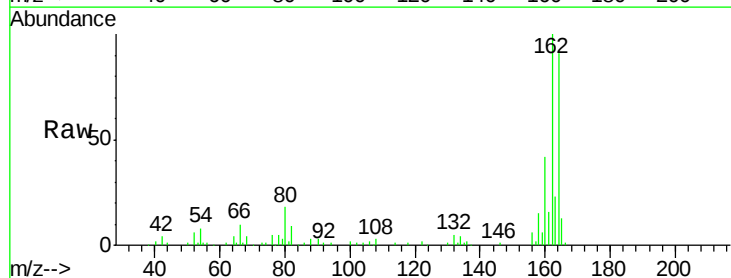
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

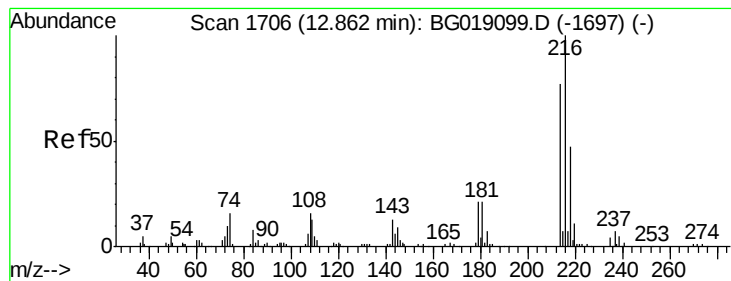
Tot Ion:142 Resp: 21243
Ion Ratio Lower Upper
142 100
141 94.6 72.1 108.1
115 38.6 31.8 47.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:164 Resp: 64041
Ion Ratio Lower Upper
164 100
162 109.7 82.6 124.0
160 45.9 36.9 55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.27 ng

RT: 12.86 min Scan# 1705

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

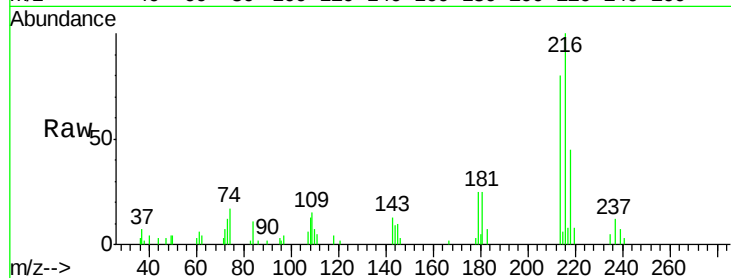
Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:216	Resp:	11549
Ion Ratio	Lower	Upper
216	100	
214	83.4	64.0 96.0
179	21.2	16.9 25.3
108	17.8	14.7 22.1

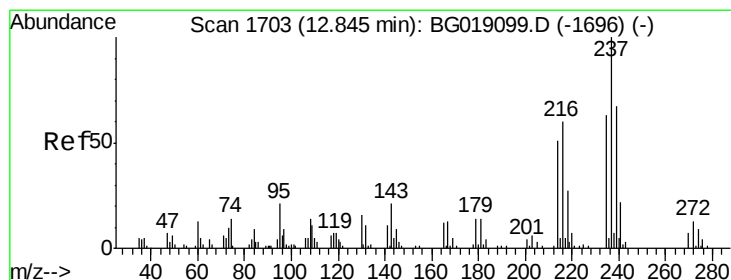
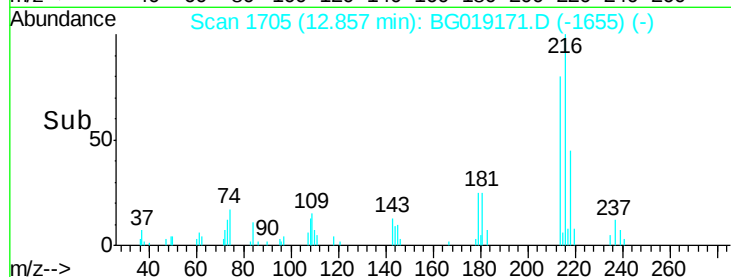
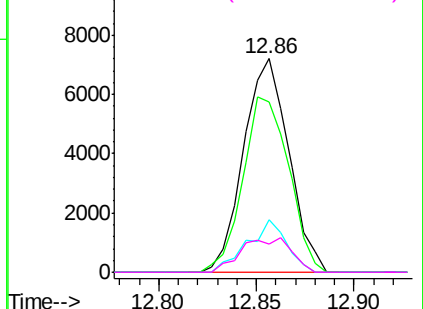


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 4.95 ng

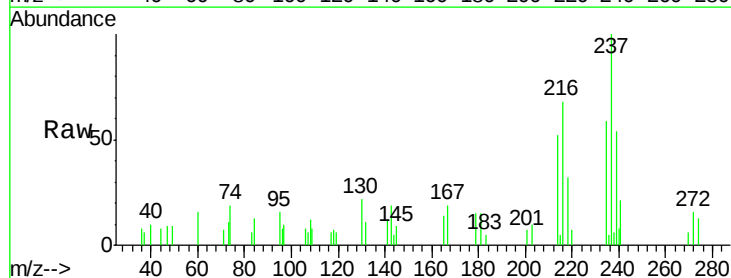
RT: 12.84 min Scan# 1702

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

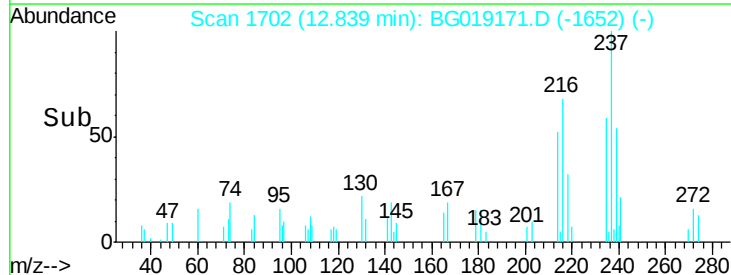
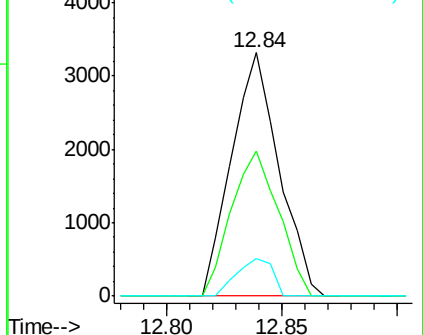
Tgt Ion:237	Resp:	4743
Ion Ratio	Lower	Upper
237	100	
235	59.5	43.2 83.2
272	15.6	0.0 33.2

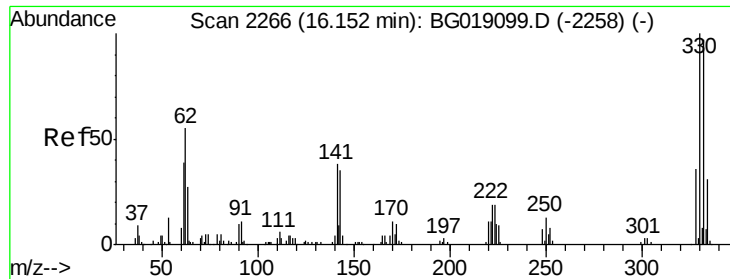


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

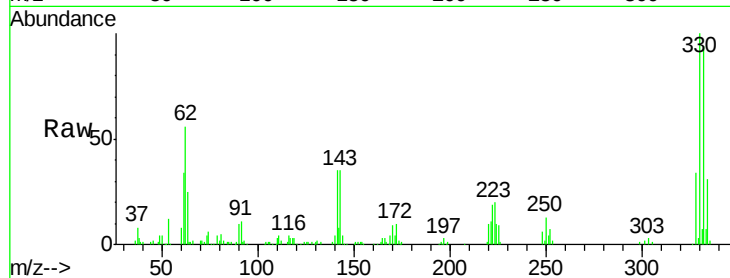




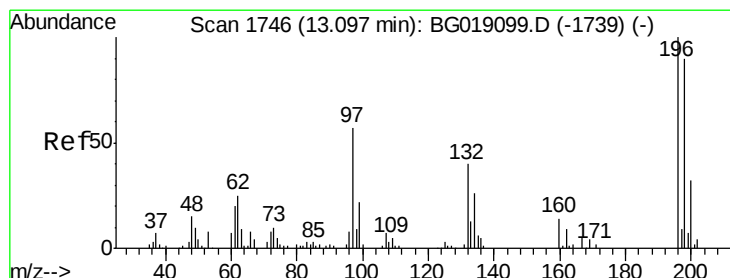
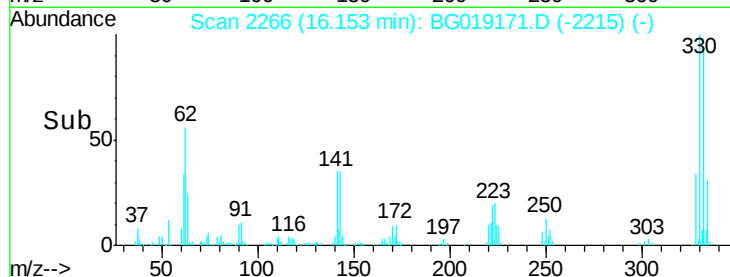
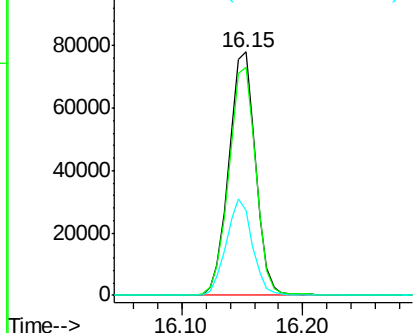
#41
 2,4,6-Tribromophenol
 Concen: 138.07 ng
 RT: 16.15 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:330 Resp: 120489
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.3 115.9
 141 38.6 30.7 46.1

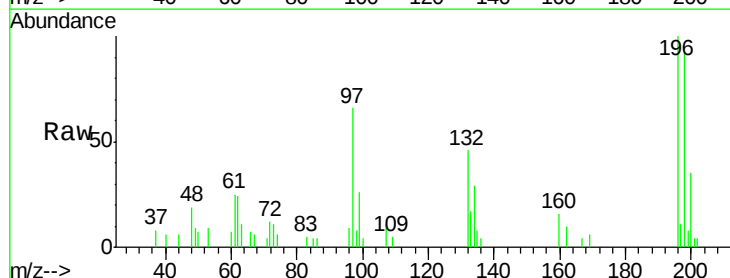


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

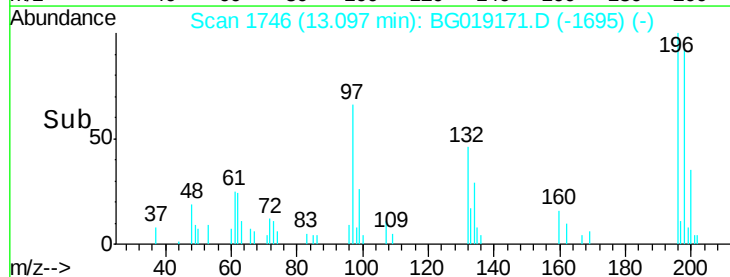
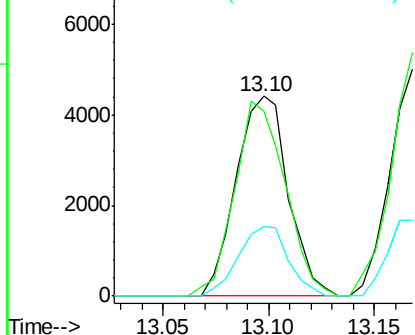


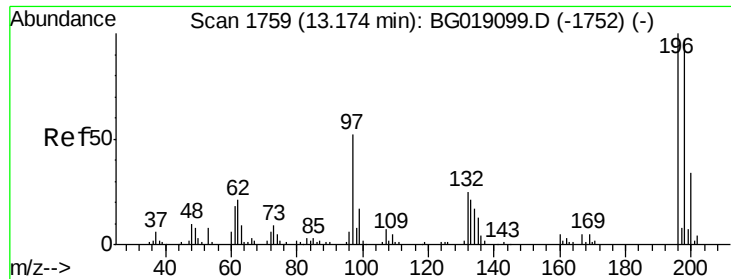
#42
 2,4,6-Trichlorophenol
 Concen: 5.88 ng
 RT: 13.10 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:196 Resp: 7533
 Ion Ratio Lower Upper
 196 100
 198 92.5 72.0 108.0
 200 34.7 25.5 38.3



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

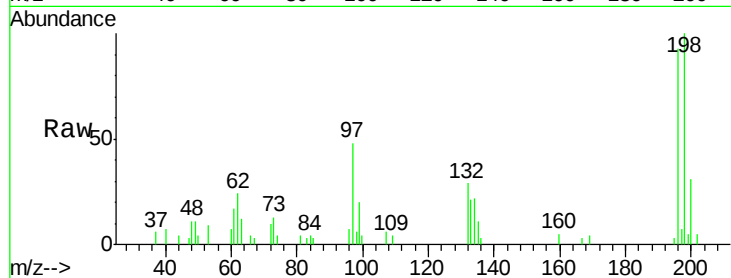




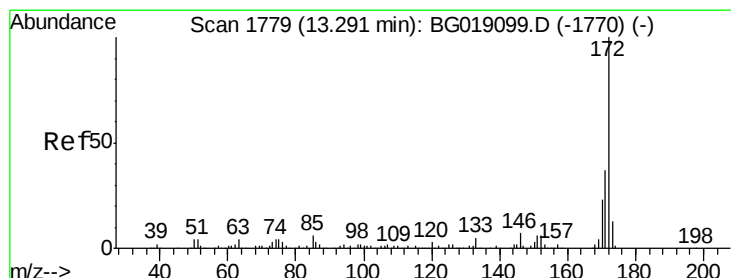
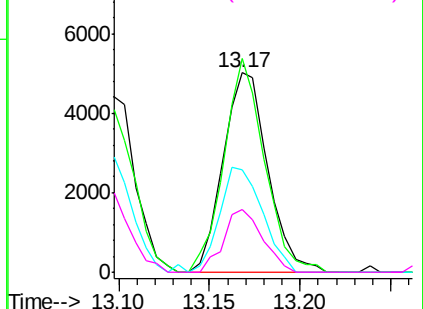
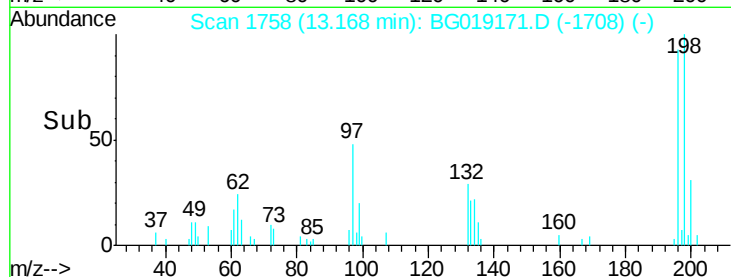
#43
 2,4,5-Trichlorophenol
 Concen: 6.30 ng
 RT: 13.17 min Scan# 1758
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:196 Resp: 8577
 Ion Ratio Lower Upper
 196 100
 198 107.1 77.7 116.5
 97 51.1 41.4 62.2
 132 31.2 20.6 30.8#

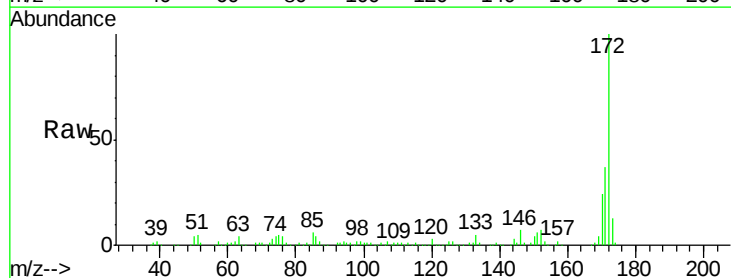


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

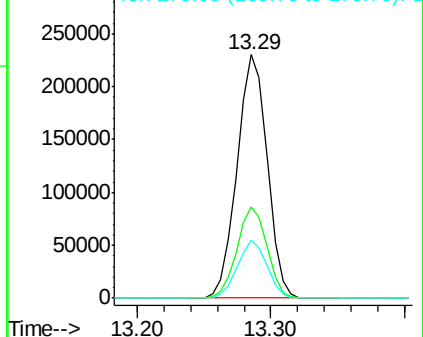
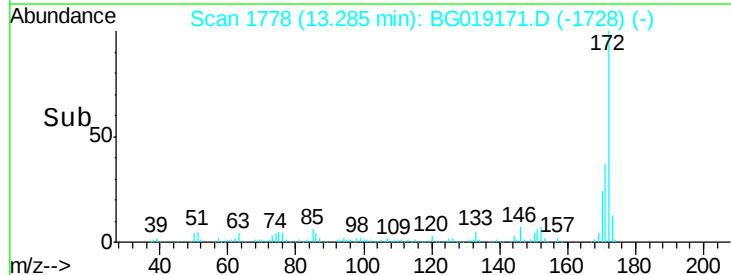


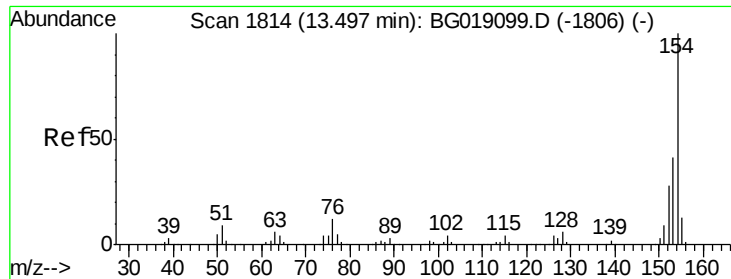
#44
 2-Fluorobiphenyl
 Concen: 85.98 ng
 RT: 13.29 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:172 Resp: 358121
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.9 44.9
 170 23.6 18.6 27.8



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

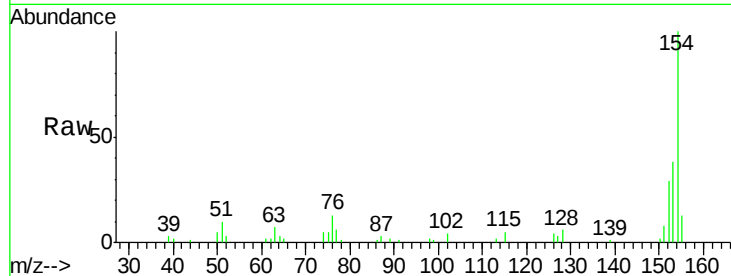




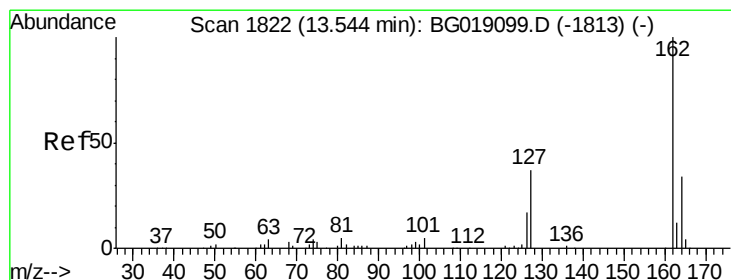
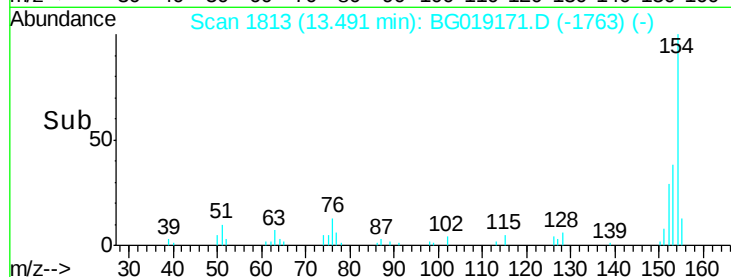
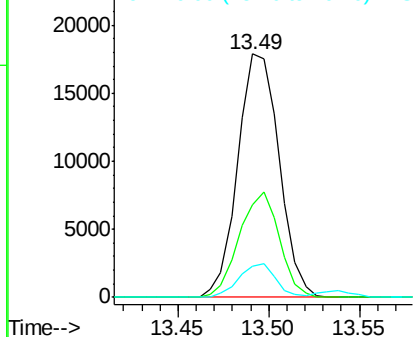
#45
 1,1'-Biphenyl
 Concen: 6.13 ng
 RT: 13.49 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	37.8	20.6	60.6
76	12.8	0.0	32.2

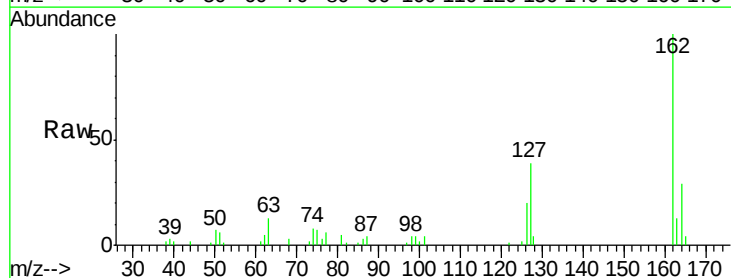


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

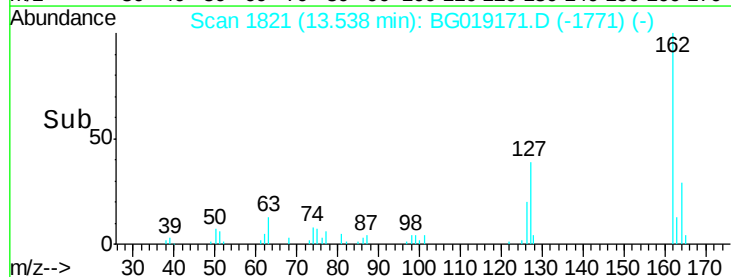
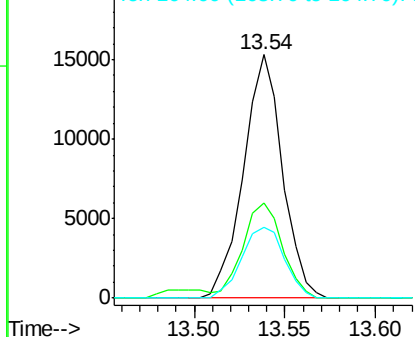


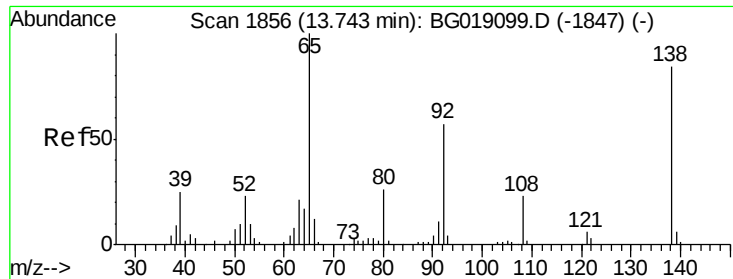
#46
 2-Chloronaphthalene
 Concen: 6.37 ng
 RT: 13.54 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.2	48.4
164	29.1	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: 5.80 ng

RT: 13.74 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

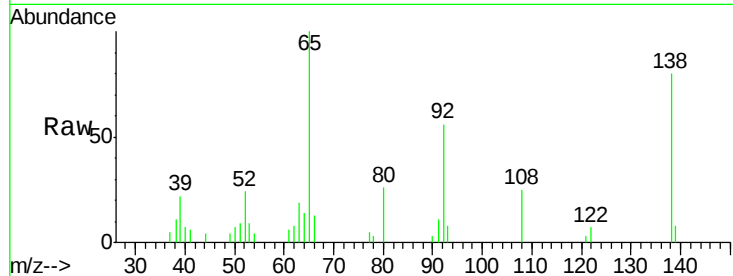
Tot Ion: 65 Resp: 8336

Ion Ratio Lower Upper

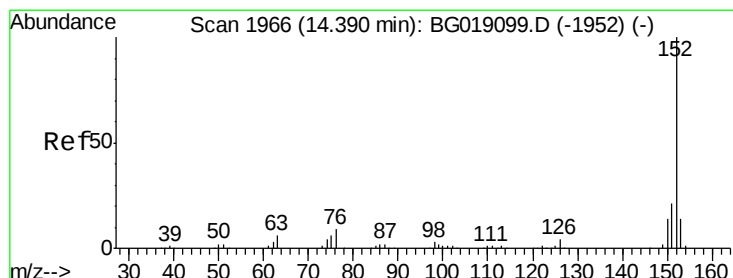
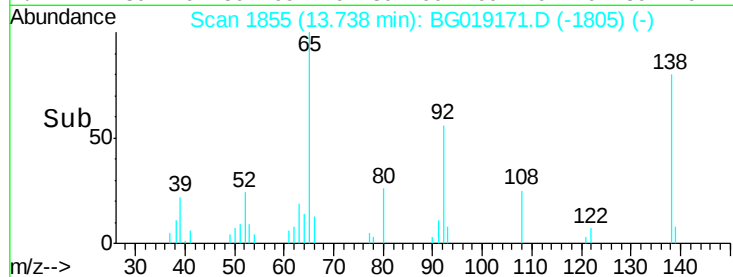
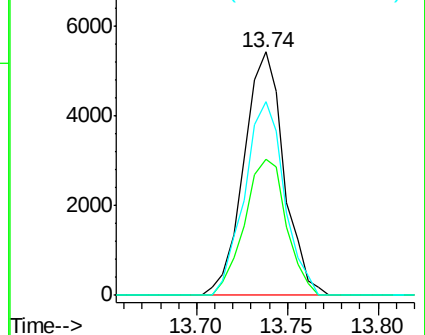
65 100

92 55.9 45.8 68.8

138 79.8 66.9 100.3



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



#48

Acenaphthylene

Concen: 5.90 ng

RT: 14.38 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

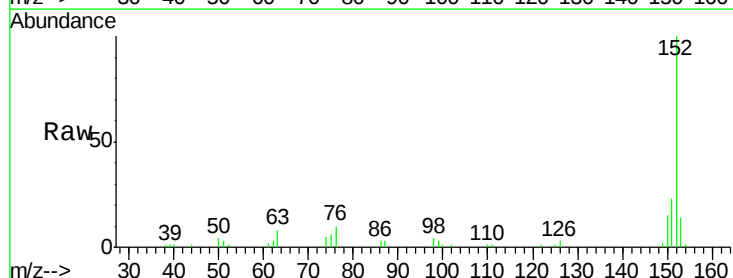
Tgt Ion: 152 Resp: 37206

Ion Ratio Lower Upper

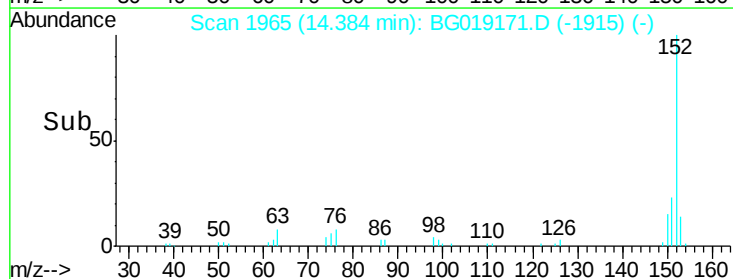
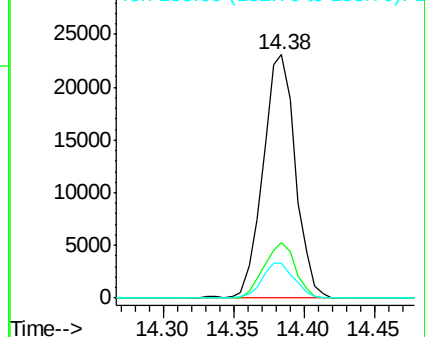
152 100

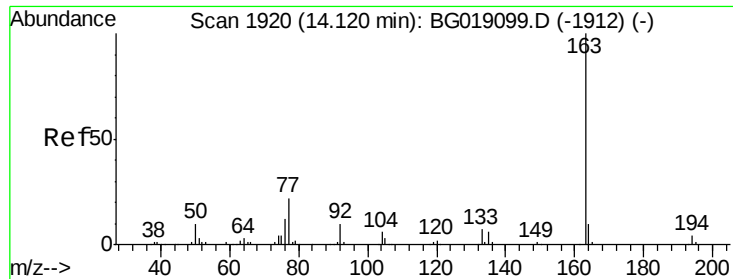
151 23.0 16.8 25.2

153 14.4 11.0 16.4



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





#49

Dimethylphthalate

Concen: 6.03 ng

RT: 14.11 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

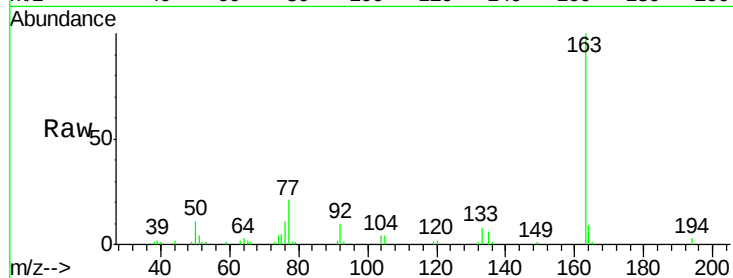
Tot Ion:163 Resp: 30516

Ion Ratio Lower Upper

163 100

194 3.0 3.2 4.8#

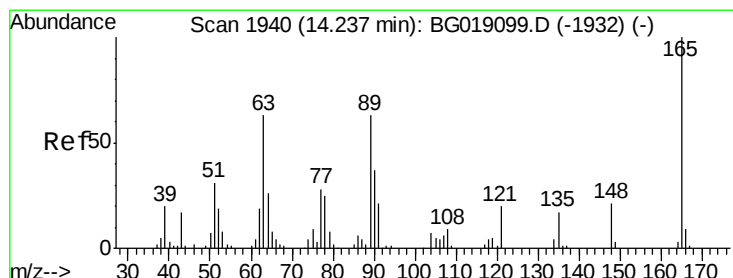
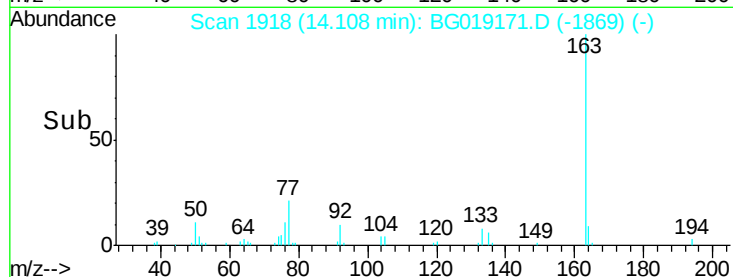
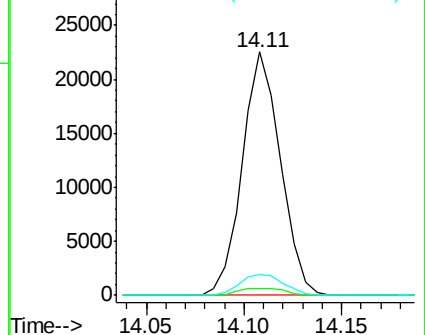
164 8.6 8.1 12.1



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: 5.98 ng

RT: 14.23 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

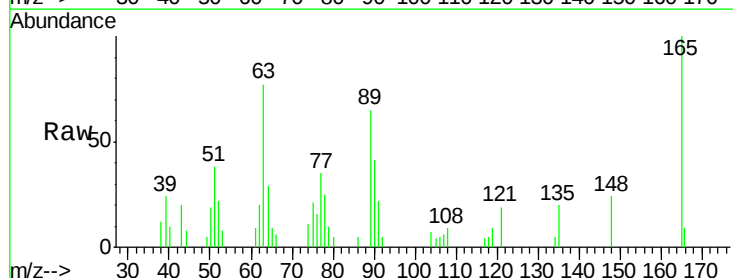
Tgt Ion:165 Resp: 6466

Ion Ratio Lower Upper

165 100

63 76.7 52.6 78.8

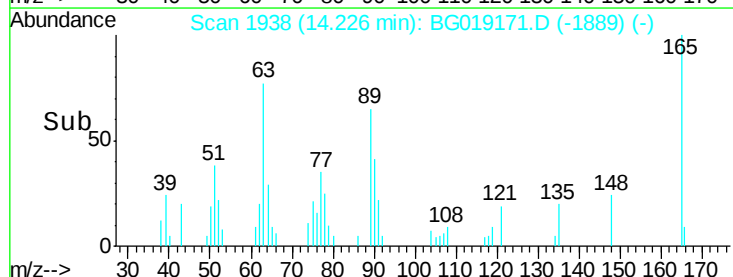
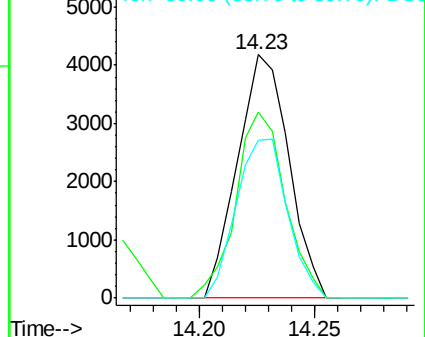
89 64.8 50.6 76.0

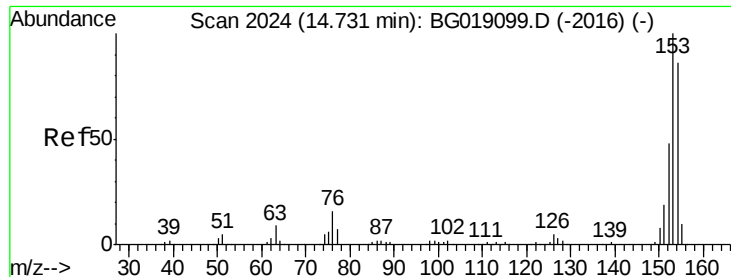


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 6.13 ng

RT: 14.72 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

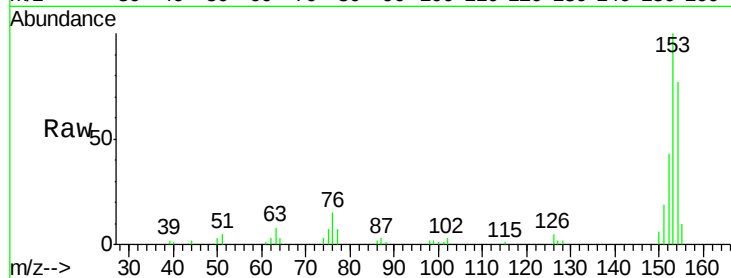
Tot Ion:154 Resp: 23268

Ion Ratio Lower Upper

154 100

153 129.7 93.4 140.2

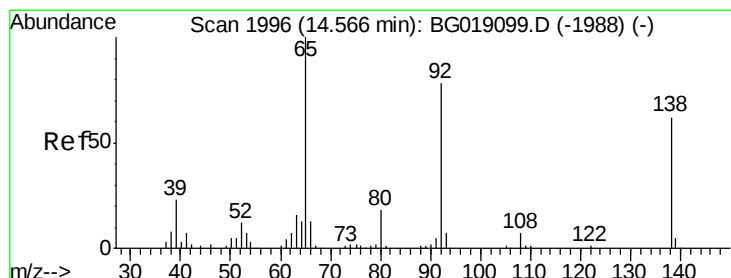
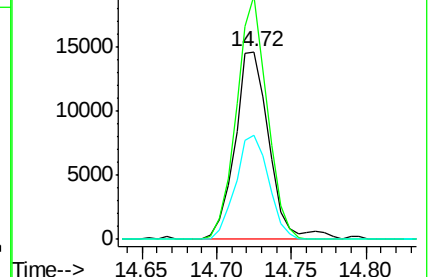
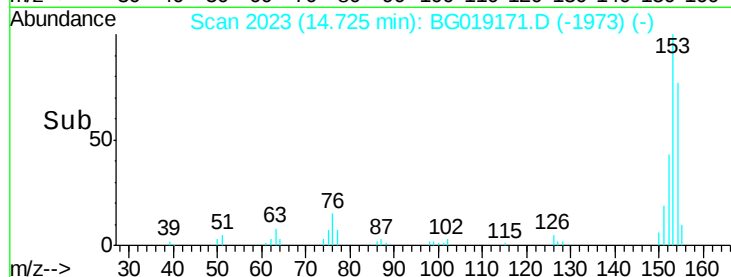
152 55.4 44.9 67.3



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: 4.43 ng

RT: 14.56 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

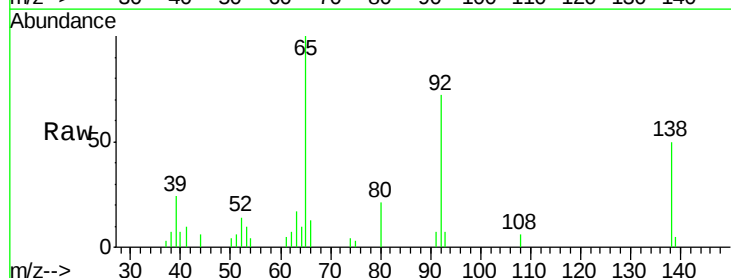
Tgt Ion:138 Resp: 5287

Ion Ratio Lower Upper

138 100

108 12.7 8.6 13.0

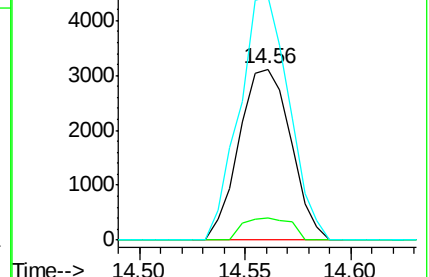
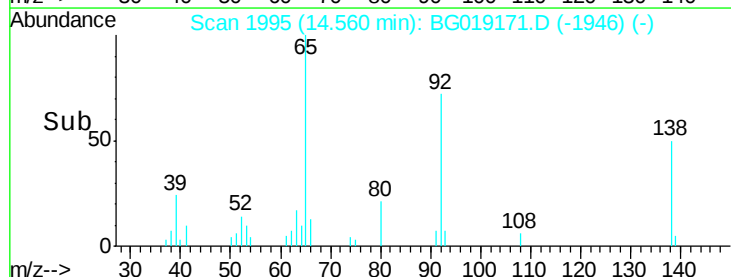
92 142.6 101.4 152.0

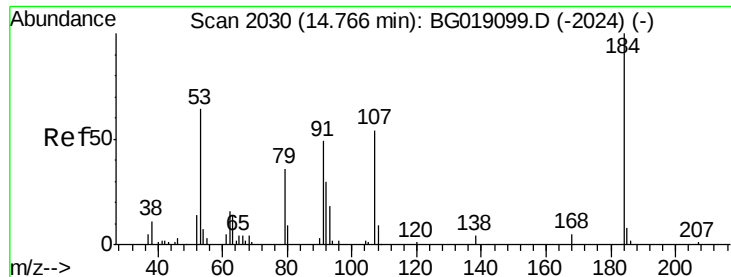


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

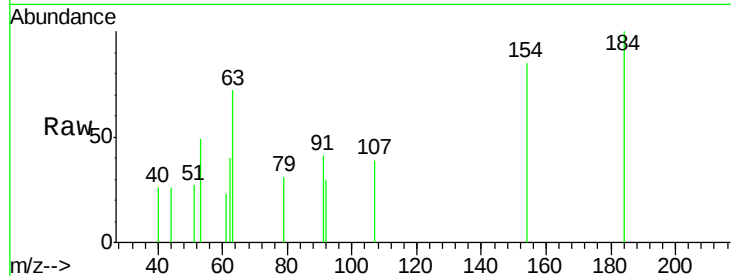




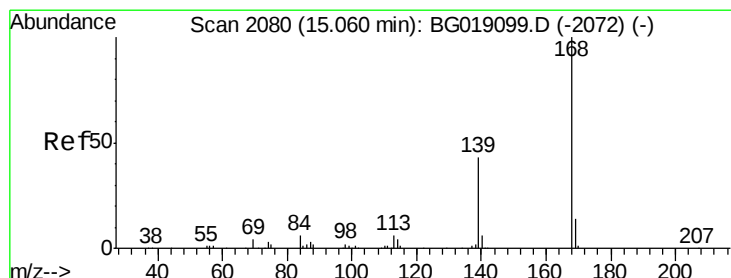
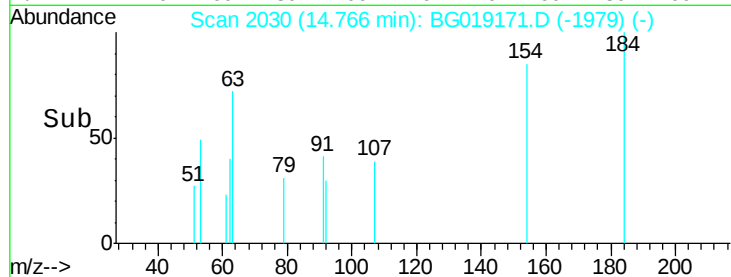
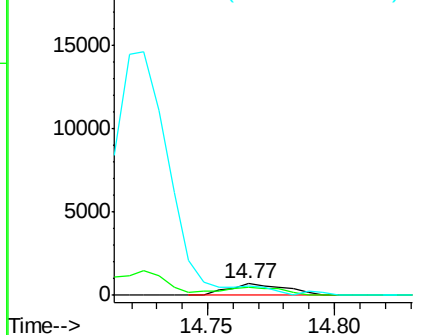
#53
2,4-Dinitrophenol
Concen: 3.94 ng
RT: 14.77 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:184 Resp: 1094
Ion Ratio Lower Upper
184 100
63 71.5 67.5 101.3
154 85.1 62.4 93.6

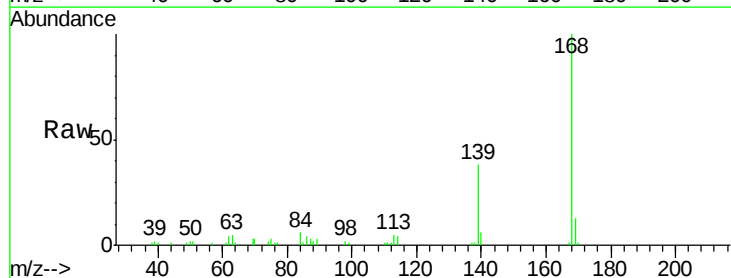


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

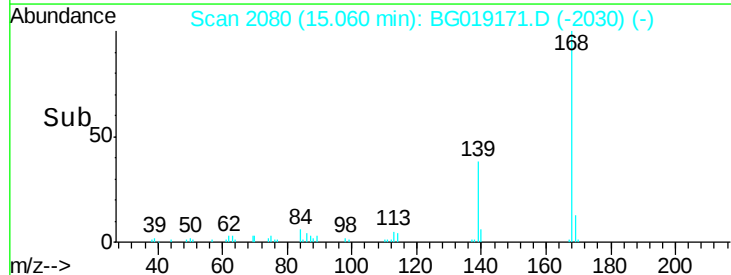
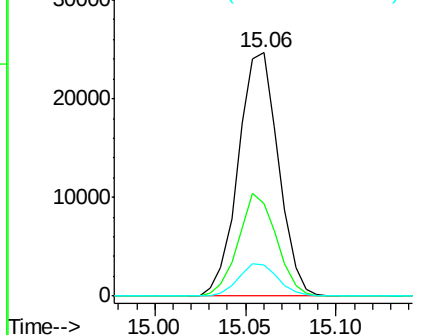


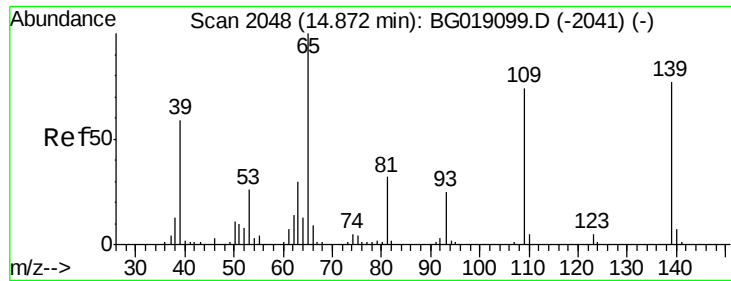
#54
Dibenzofuran
Concen: 6.77 ng
RT: 15.06 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:168 Resp: 37936
Ion Ratio Lower Upper
168 100
139 38.2 34.2 51.4
169 12.6 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.73 ng

RT: 14.87 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

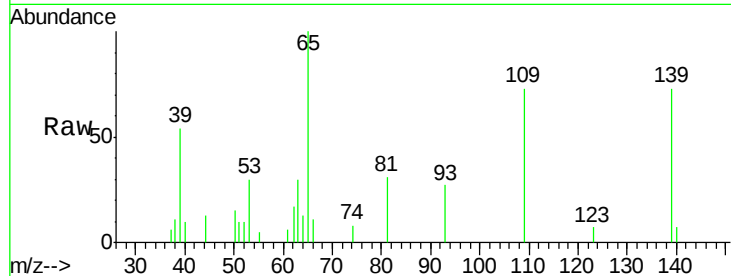
Tot Ion:139 Resp: 4264

Ion Ratio Lower Upper

139 100

109 100.3 76.8 116.8

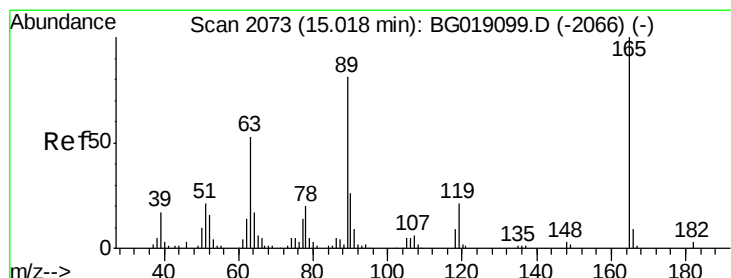
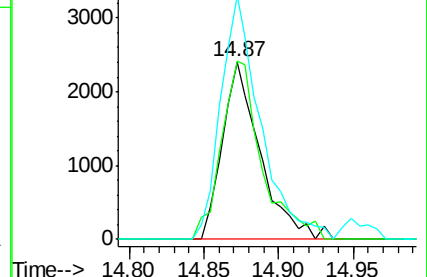
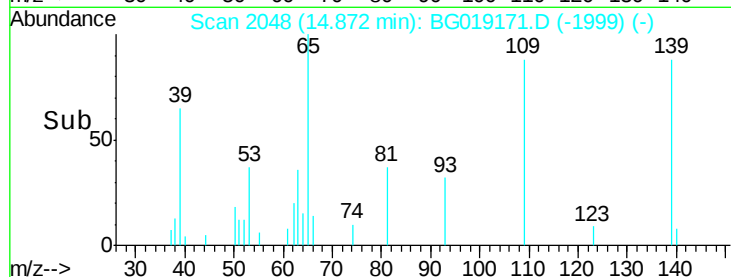
65 137.1 110.0 150.0



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 5.51 ng

RT: 15.01 min Scan# 2072

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Tgt Ion:165 Resp: 8663

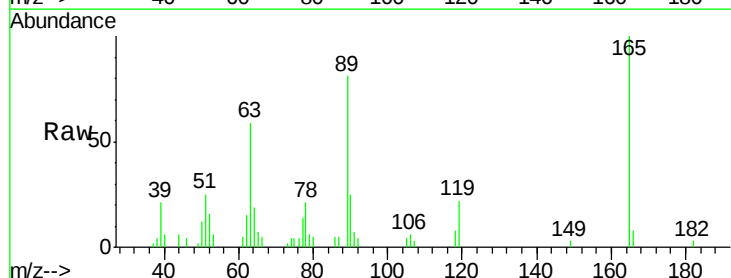
Ion Ratio Lower Upper

165 100

63 59.1 42.2 63.2

89 81.3 64.8 97.2

182 2.7 2.4 3.6

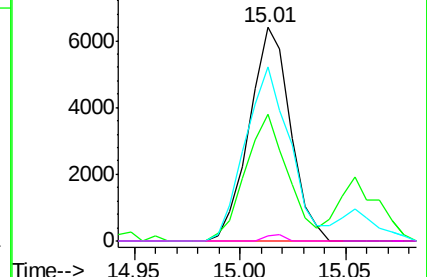
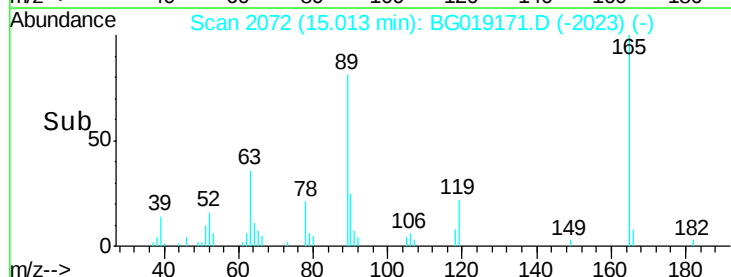


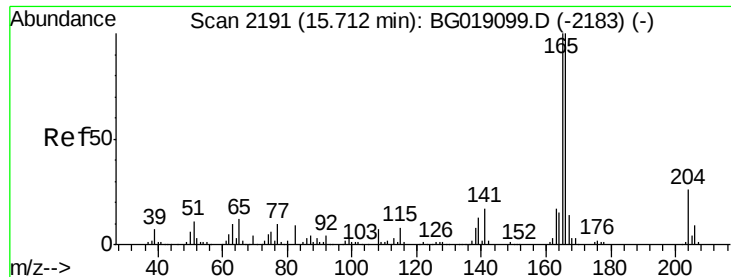
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

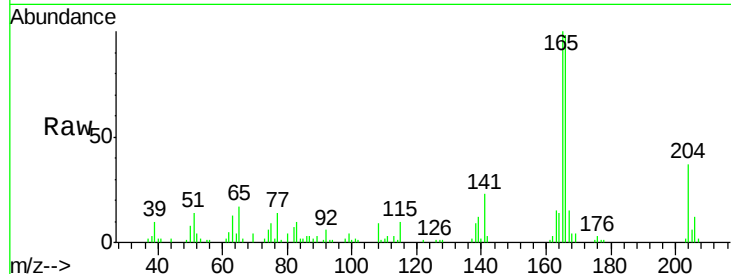




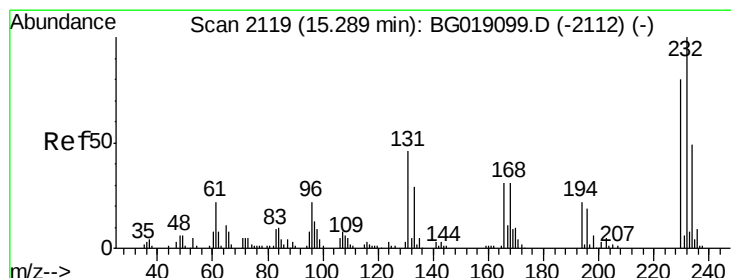
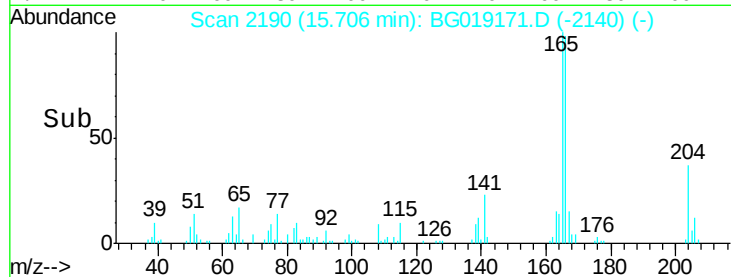
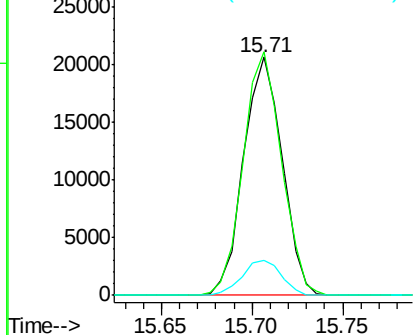
#57
 Fluorene
 Concen: 6.28 ng
 RT: 15.71 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:166 Resp: 30564
 Ion Ratio Lower Upper
 166 100
 165 102.2 80.2 120.2
 167 14.9 11.4 17.0

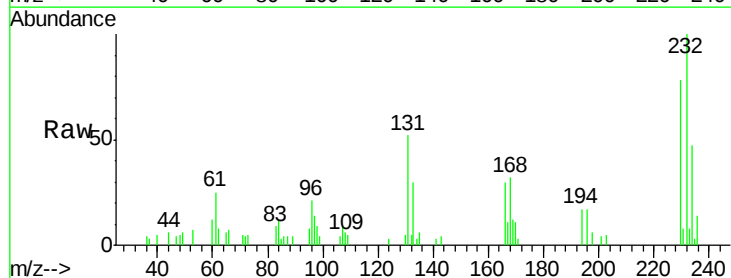


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

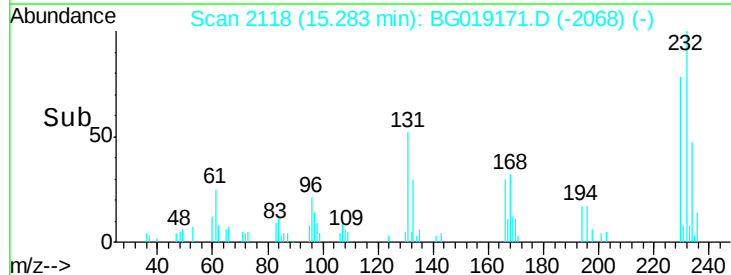
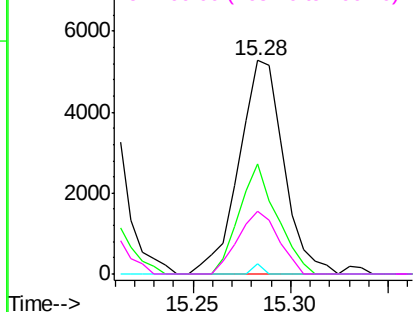


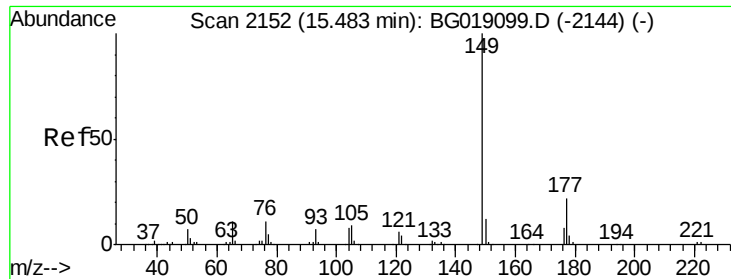
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 6.50 ng
 RT: 15.28 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:232 Resp: 8385
 Ion Ratio Lower Upper
 232 100
 131 43.5 36.5 54.7
 130 1.0 2.3 3.5#
 166 26.5 25.7 38.5



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

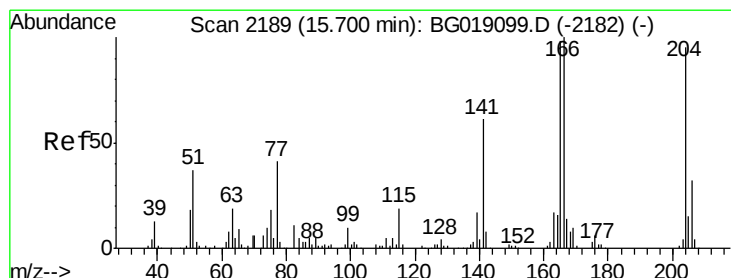
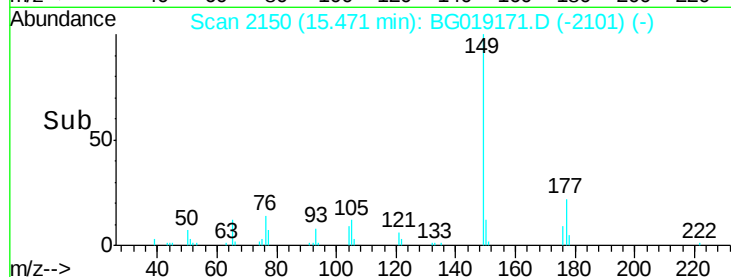
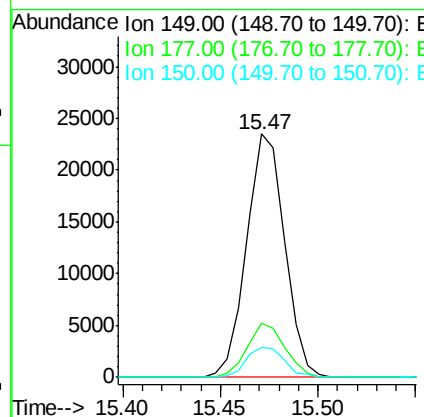
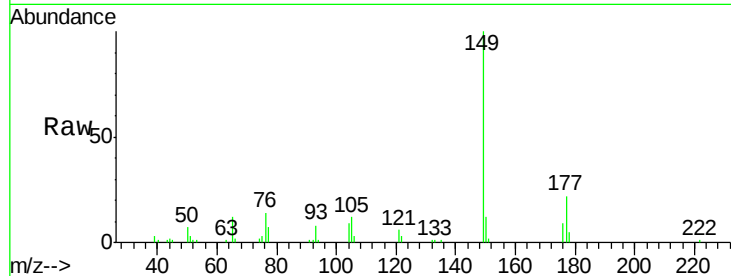




#59
Diethylphthalate
Concen: 6.05 ng
RT: 15.47 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

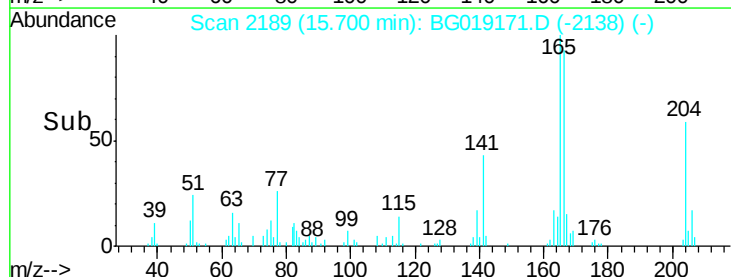
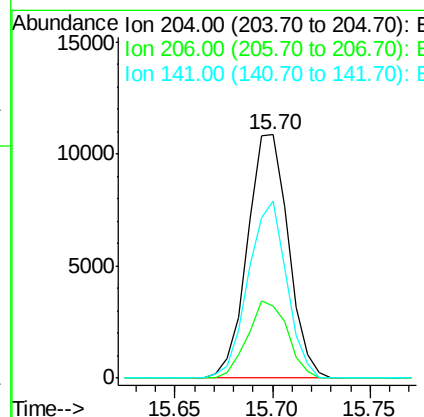
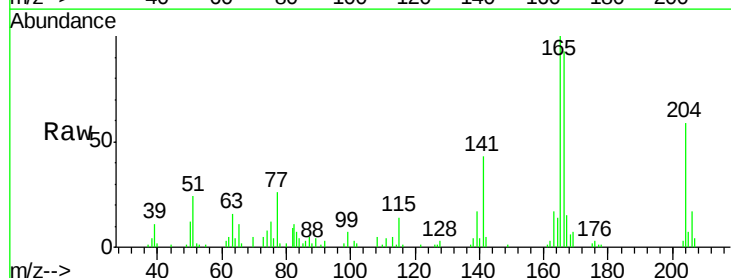
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

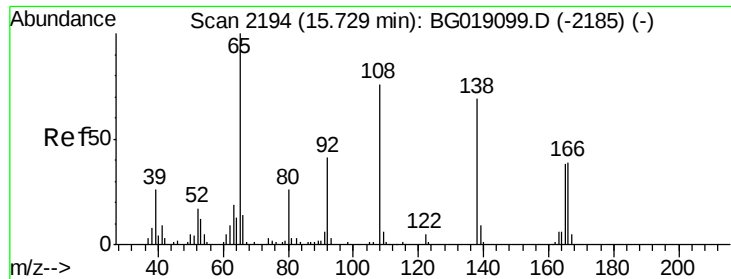
Tot Ion:149 Resp: 31763
Ion Ratio Lower Upper
149 100
177 22.2 17.7 26.5
150 12.2 9.4 14.2



#60
4-Chlorophenyl-phenylether
Concen: 6.37 ng
RT: 15.70 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:204 Resp: 15787
Ion Ratio Lower Upper
204 100
206 29.4 27.0 40.4
141 72.5 51.9 77.9

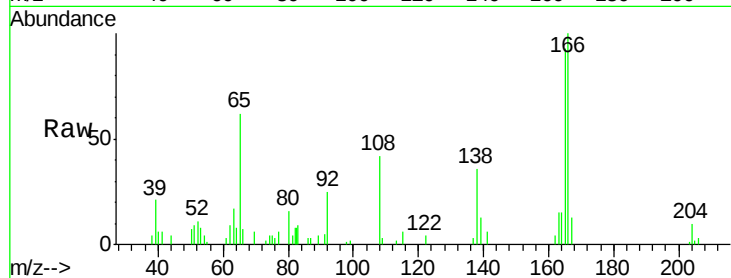




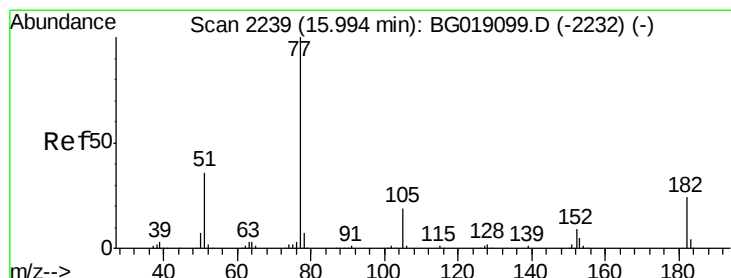
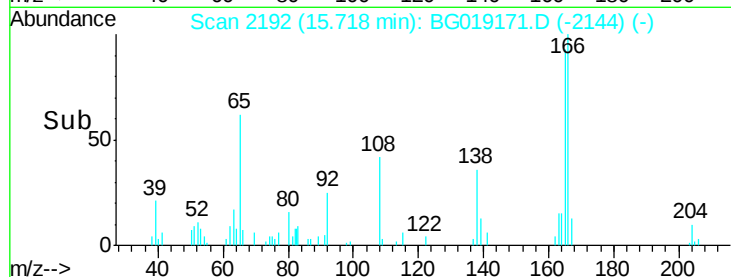
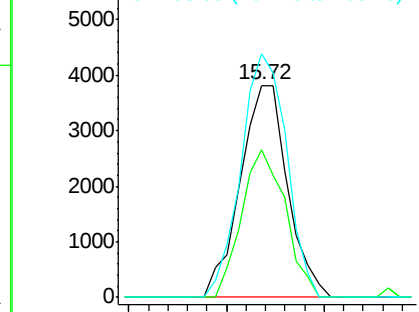
#61
4-Nitroaniline
Concen: 4.95 ng
RT: 15.72 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:138 Resp: 6417
Ion Ratio Lower Upper
138 100
92 69.4 39.0 79.0
108 114.7 90.8 130.8

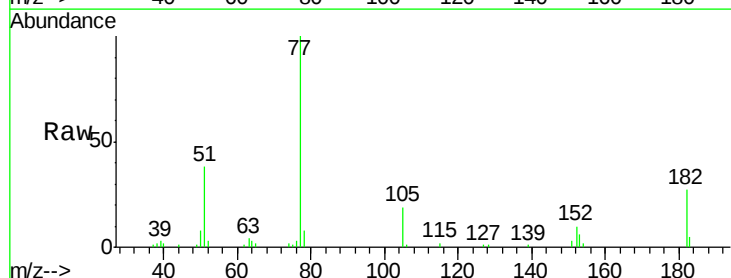


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BGC
Ion 108.00 (107.70 to 108.70): E

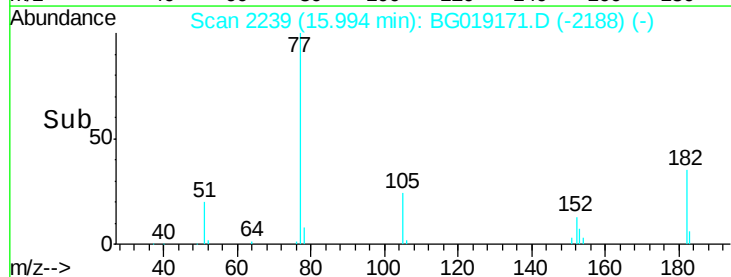
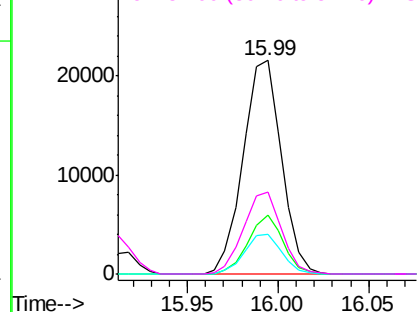


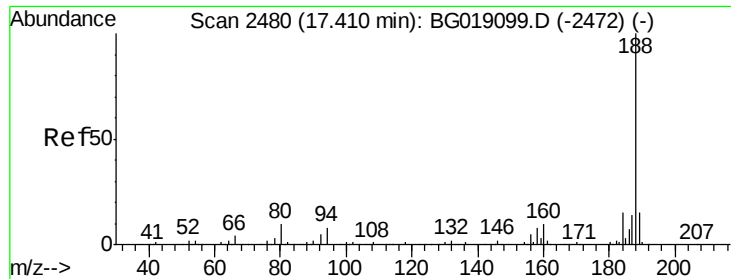
#62
Azobenzene
Concen: 6.51 ng
RT: 15.99 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion: 77 Resp: 31724
Ion Ratio Lower Upper
77 100
182 27.3 4.4 44.4
105 18.6 0.0 39.1
51 38.1 15.9 55.9



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

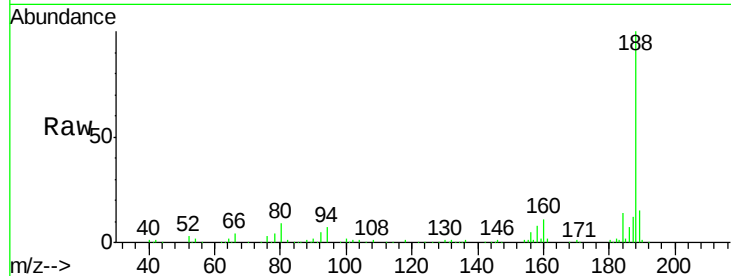




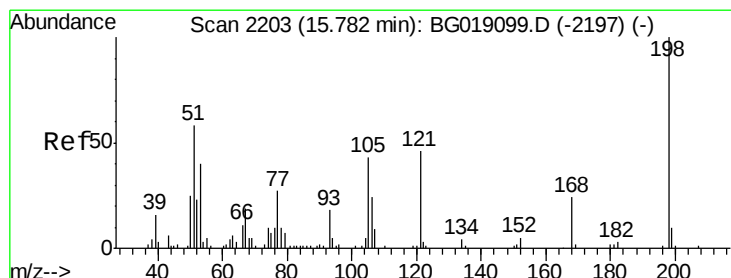
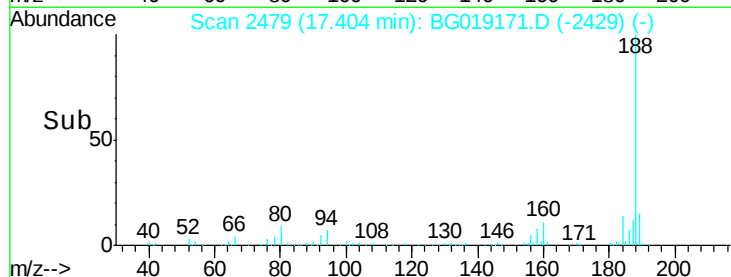
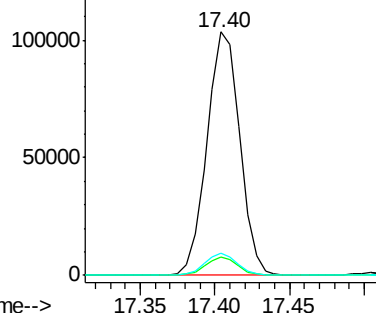
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:188 Resp: 158276
Ion Ratio Lower Upper
188 100
94 7.4 6.4 9.6
80 9.0 7.6 11.4

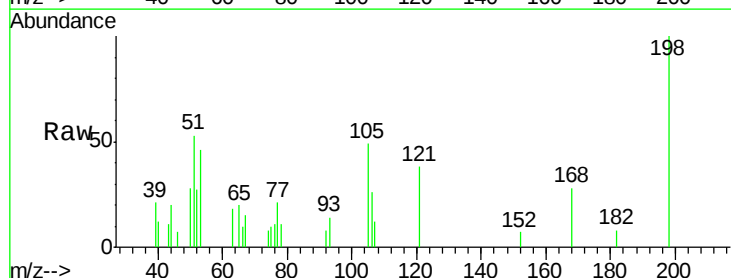


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

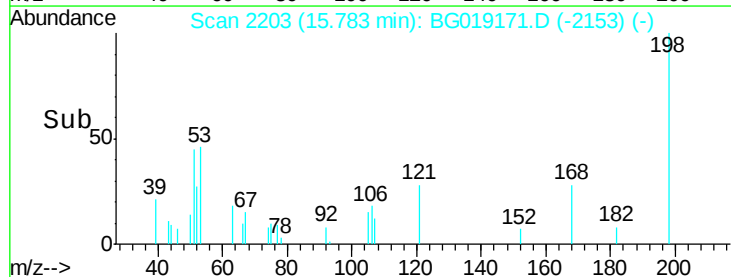
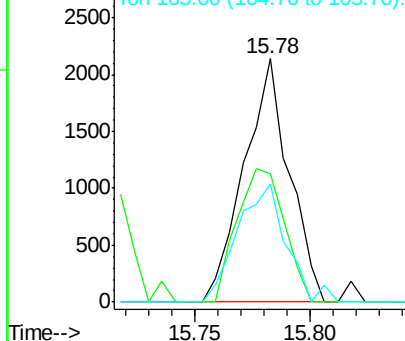


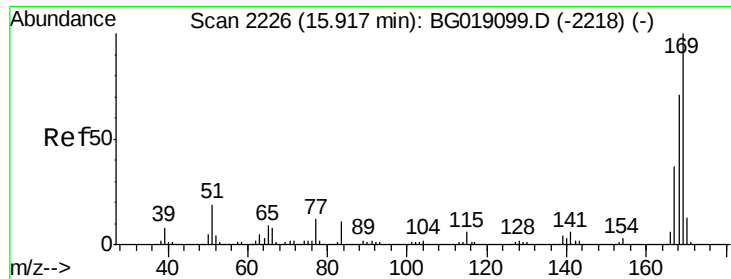
#64
4,6-Dinitro-2-methylphenol
Concen: 3.37 ng
RT: 15.78 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:198 Resp: 2910
Ion Ratio Lower Upper
198 100
51 52.9 40.1 80.1
105 48.7 23.4 63.4



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

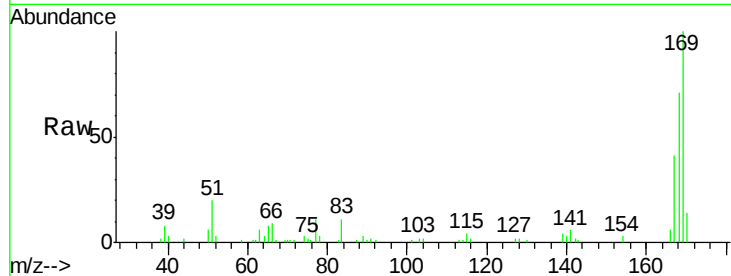




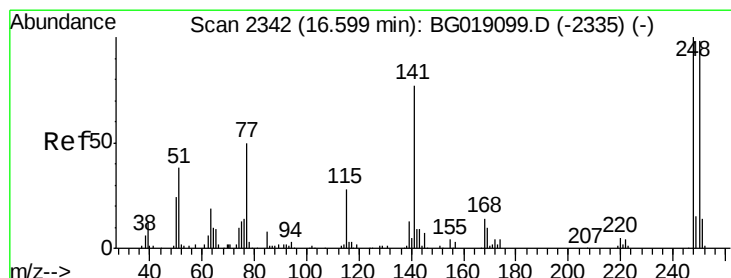
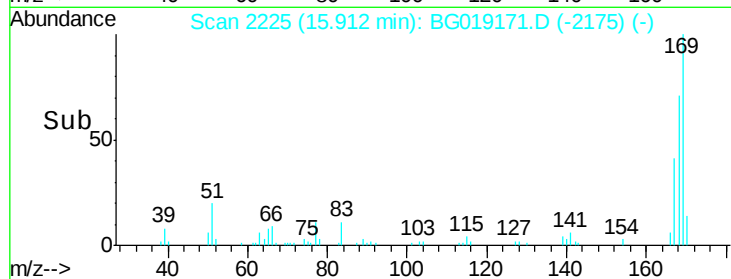
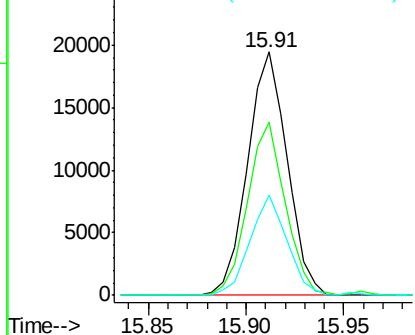
#65
n-Nitrosodiphenylamine
Concen: 6.23 ng
RT: 15.91 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

Tot Ion:169 Resp: 27271
Ion Ratio Lower Upper
169 100
168 71.2 56.6 84.8
167 41.3 30.0 45.0

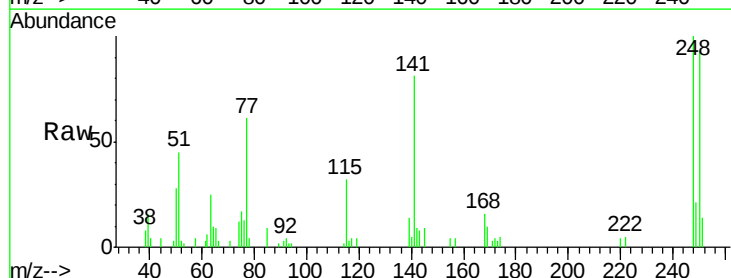


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

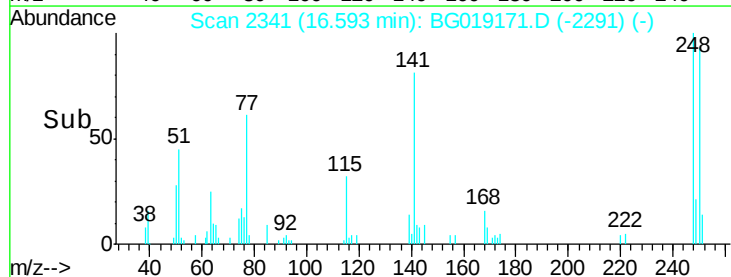
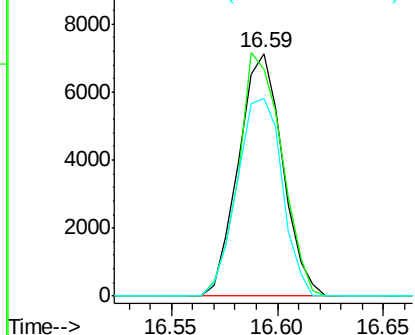


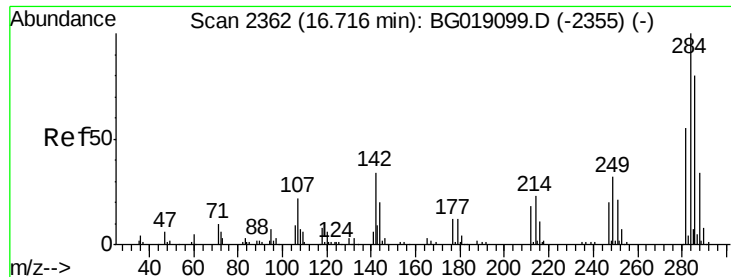
#66
4-Bromophenyl-phenylether
Concen: 6.40 ng
RT: 16.59 min Scan# 2341
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:248 Resp: 10287
Ion Ratio Lower Upper
248 100
250 93.5 78.4 117.6
141 81.4 61.7 92.5



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





#67

Hexachlorobenzene

Concen: 6.41 ng

RT: 16.71 min Scan# 2361

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

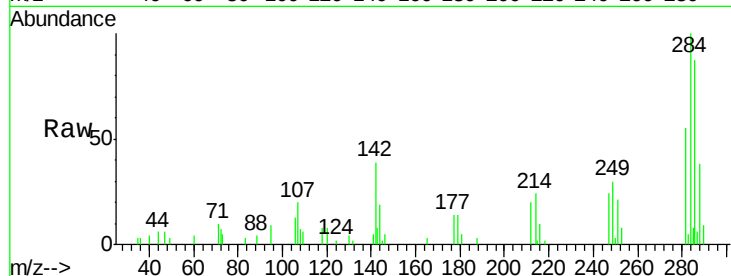
Tot Ion:284 Resp: 12115

Ion Ratio Lower Upper

284 100

142 38.9 27.0 40.4

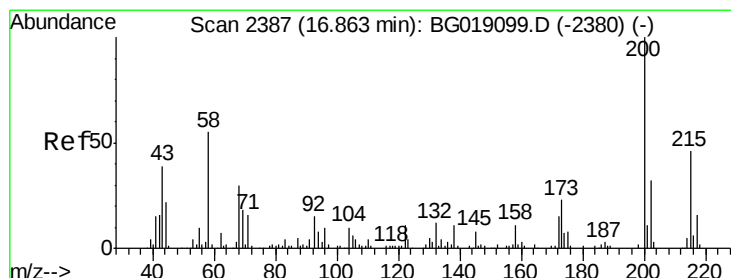
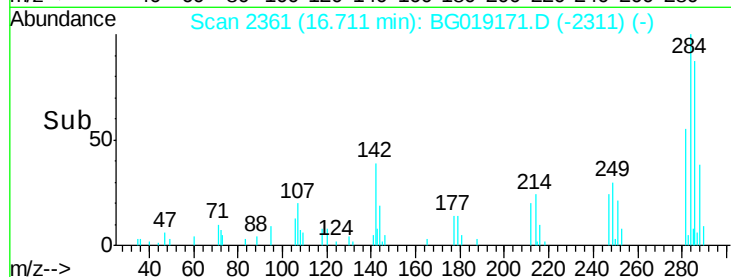
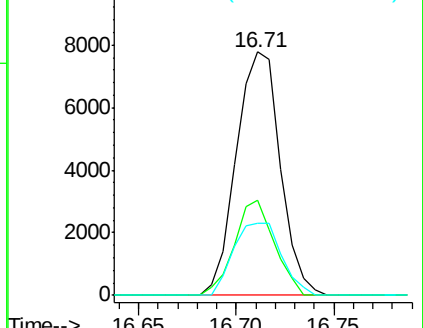
249 29.9 25.4 38.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 5.37 ng

RT: 16.86 min Scan# 2386

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

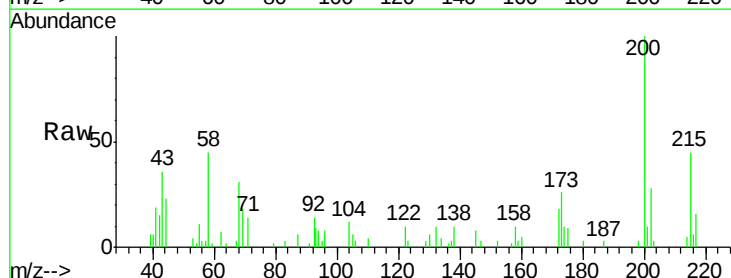
Tgt Ion:200 Resp: 9667

Ion Ratio Lower Upper

200 100

173 25.8 3.3 43.3

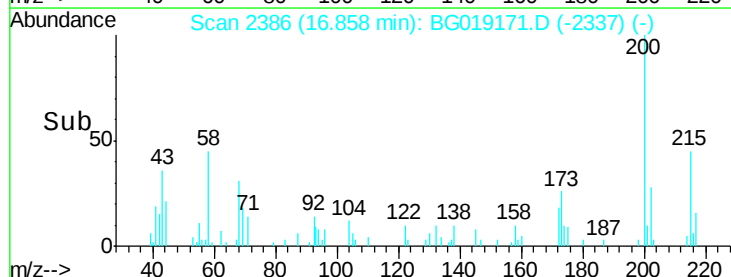
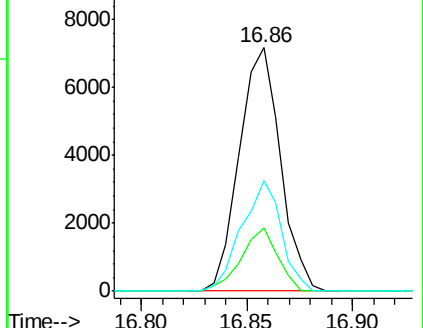
215 45.2 26.4 66.4

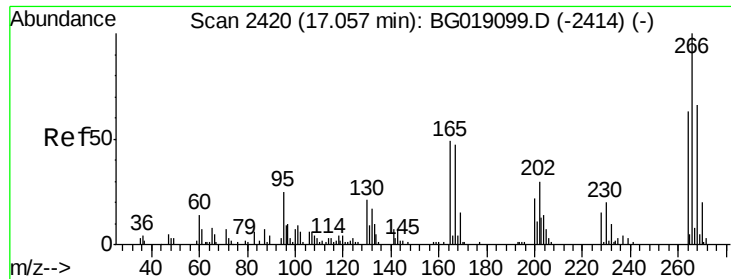


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

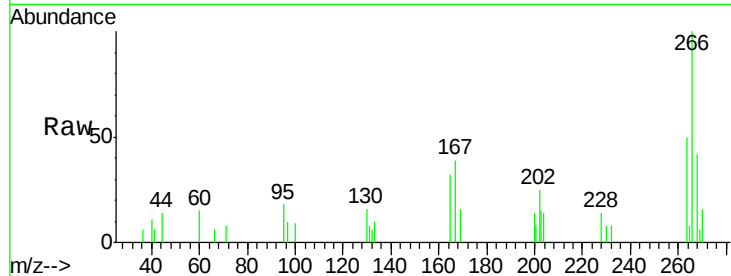




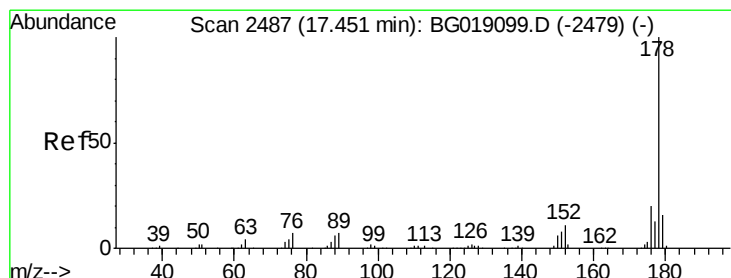
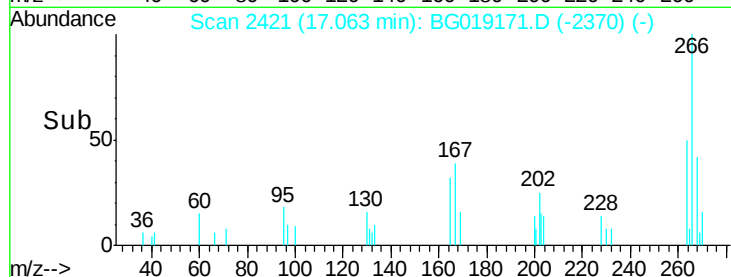
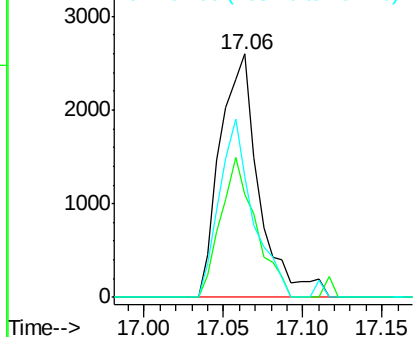
#69
 Pentachlorophenol
 Concen: 4.53 ng
 RT: 17.06 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:266 Resp: 4459
 Ion Ratio Lower Upper
 266 100
 268 42.0 53.0 79.4#
 264 49.5 50.1 75.1#

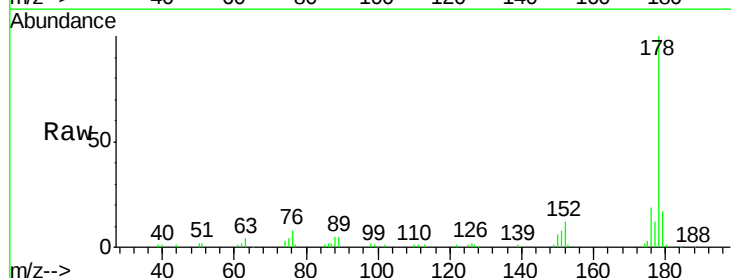


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

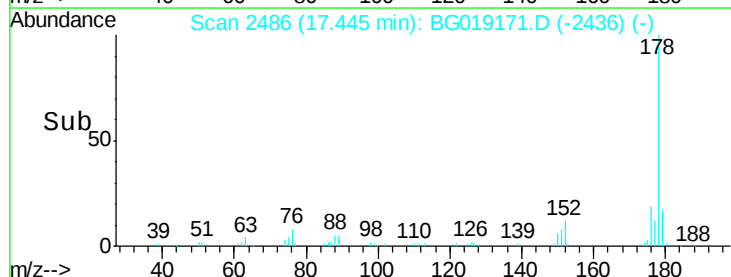
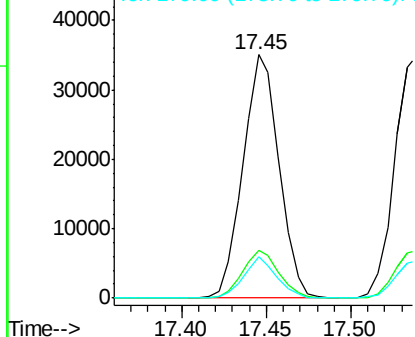


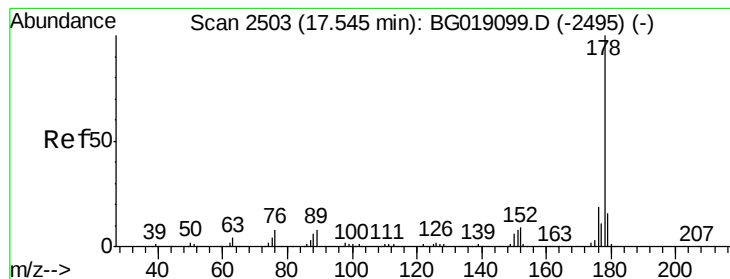
#70
 Phenanthrene
 Concen: 6.39 ng
 RT: 17.45 min Scan# 2486
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:178 Resp: 52026
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.3 24.5
 179 16.8 12.8 19.2



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: 6.60 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

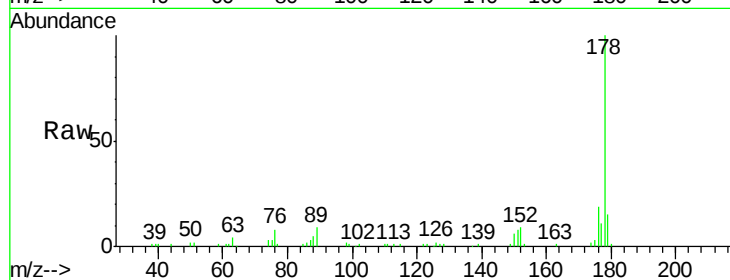
BNA_G

ClientSampleId :

LOD-SOIL2015-01

Tot Ion:178 Resp: 53752

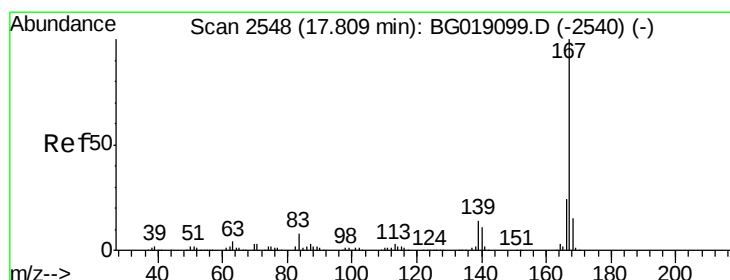
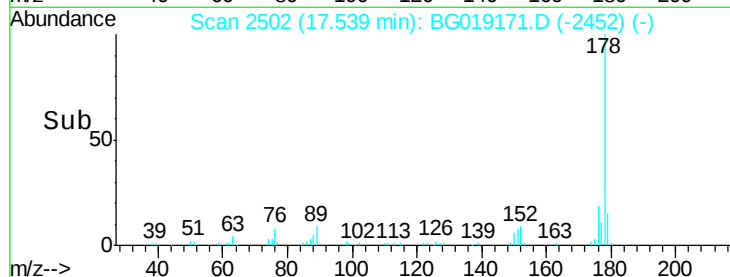
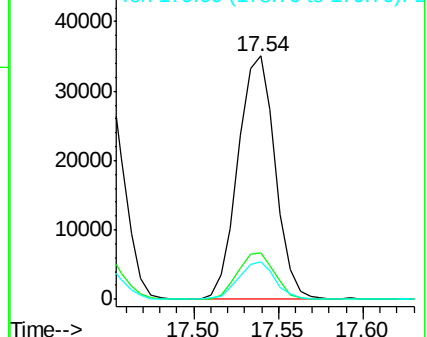
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.2	12.9	19.3



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: 6.07 ng

RT: 17.80 min Scan# 2547

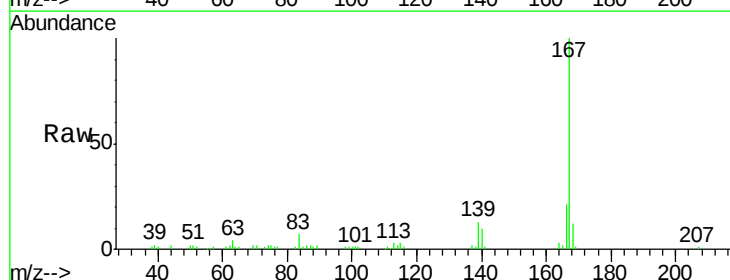
Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Tgt Ion:167 Resp: 46262

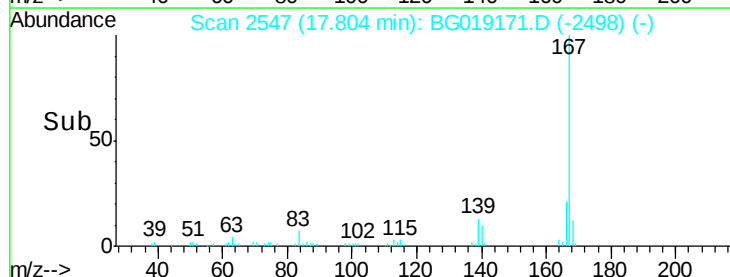
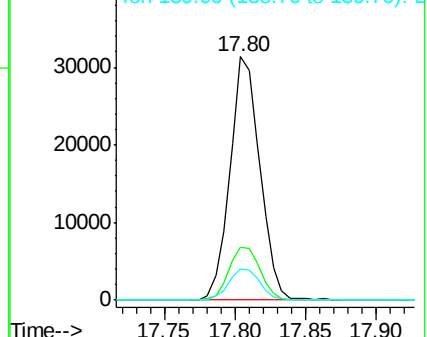
Ion	Ratio	Lower	Upper
167	100		
166	21.5	19.1	28.7
139	12.9	11.2	16.8

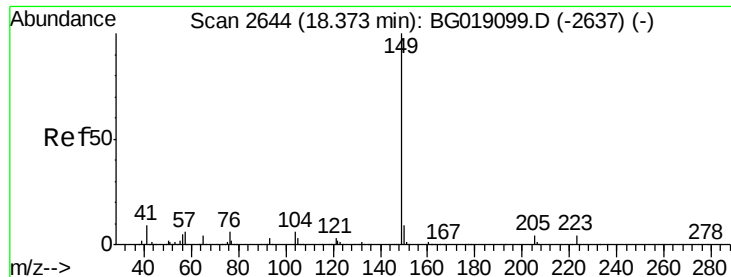


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

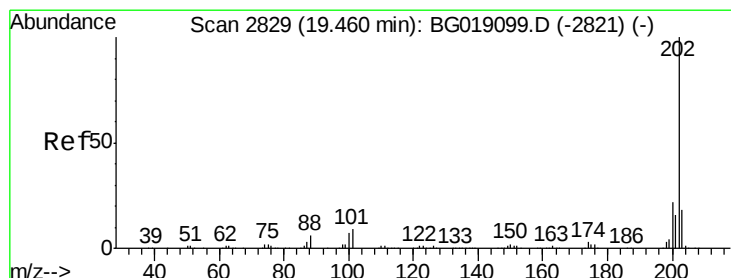
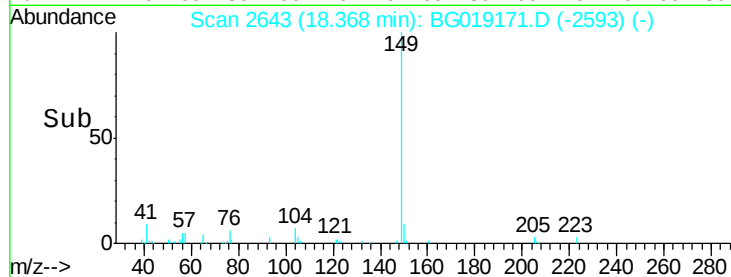
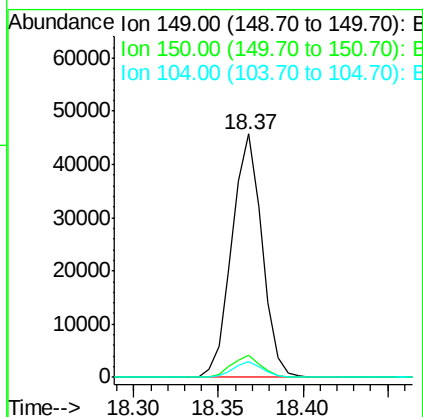
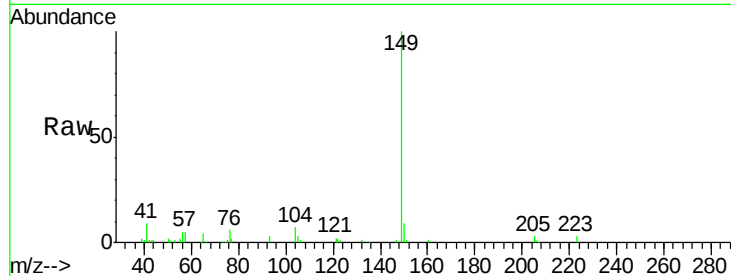




#73
Di-n-butylphthalate
Concen: 6.06 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

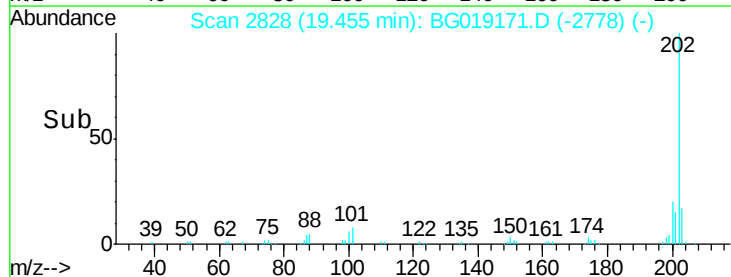
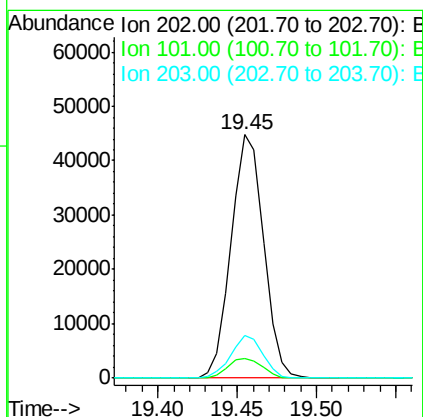
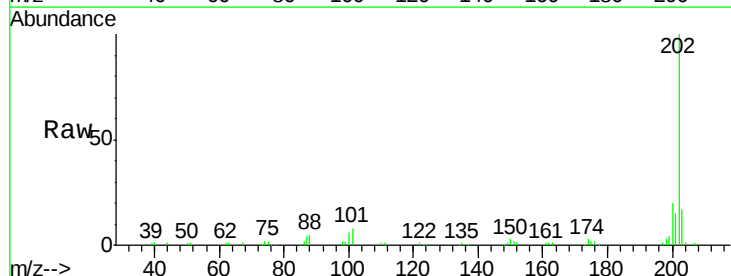
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

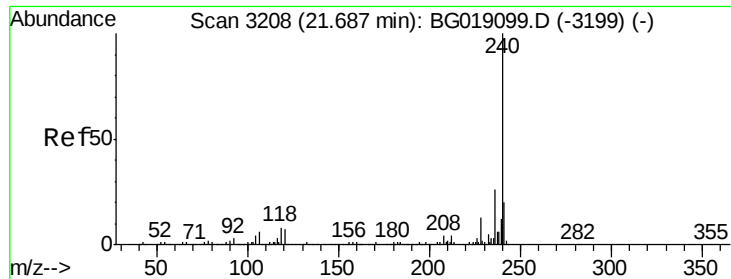
Tot Ion:149 Resp: 56623
Ion Ratio Lower Upper
149 100
150 9.2 7.5 11.3
104 6.6 5.0 7.6



#74
Fluoranthene
Concen: 6.07 ng
RT: 19.45 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:202 Resp: 63593
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.9
203 17.3 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.68 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

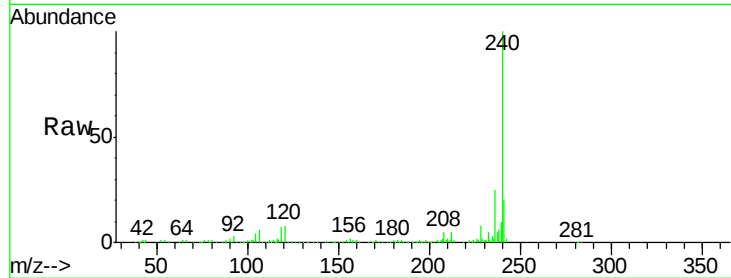
Tot Ion:240 Resp: 185731

Ion Ratio Lower Upper

240 100

120 7.6 5.8 8.6

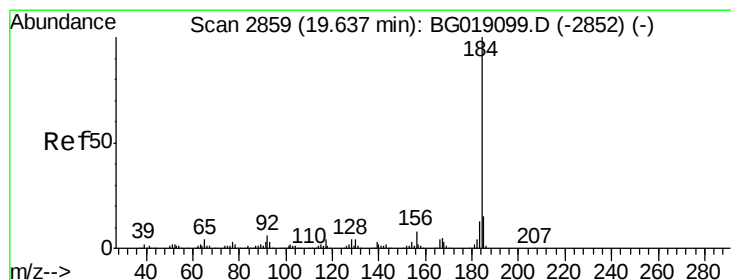
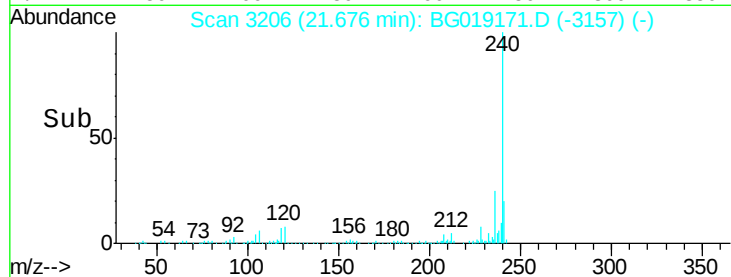
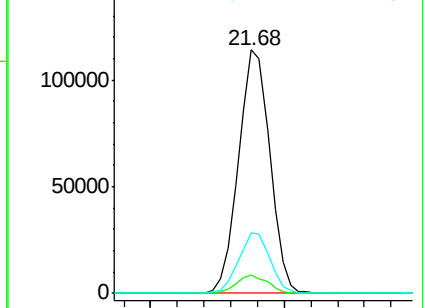
236 24.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.71 ng

RT: 19.64 min Scan# 2860

Delta R.T. 0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

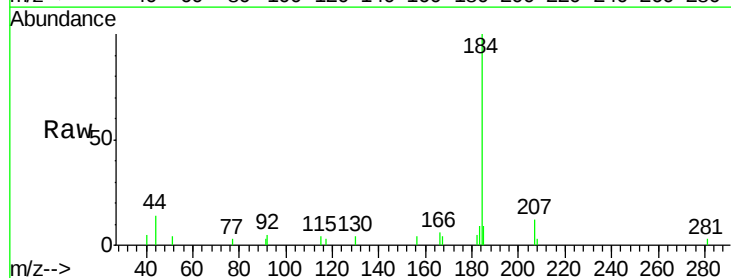
Tgt Ion:184 Resp: 8172

Ion Ratio Lower Upper

184 100

185 9.2 11.9 17.9#

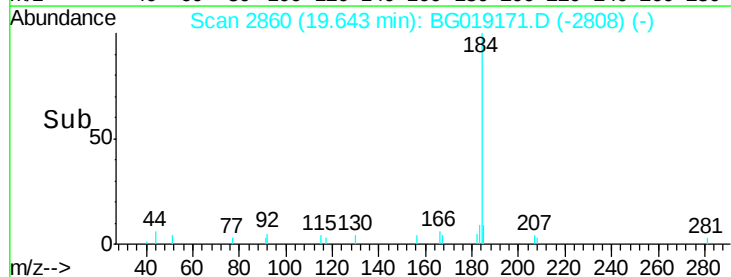
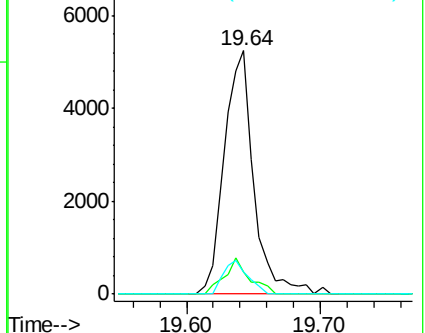
183 9.0 10.1 15.1#

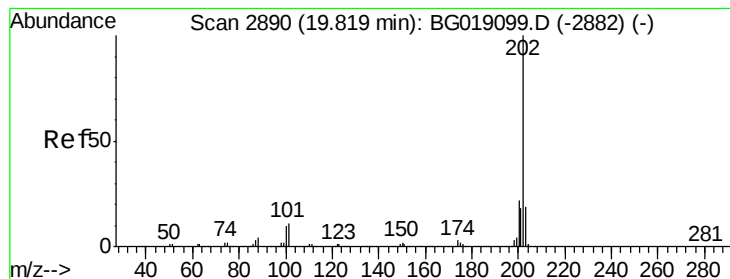


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 6.41 ng

RT: 19.82 min Scan# 2890

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

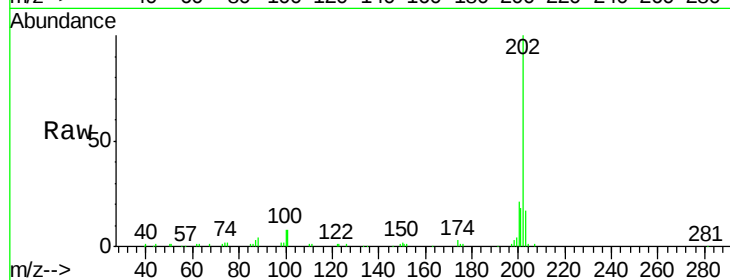
Tot Ion:202 Resp: 66721

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

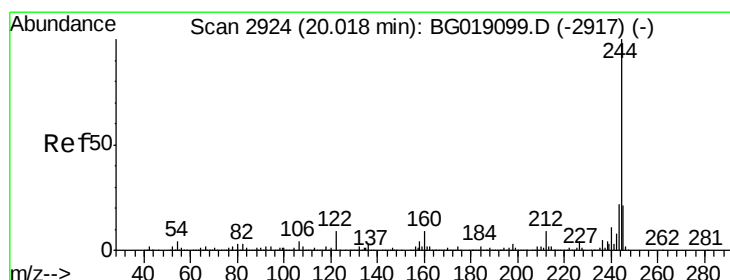
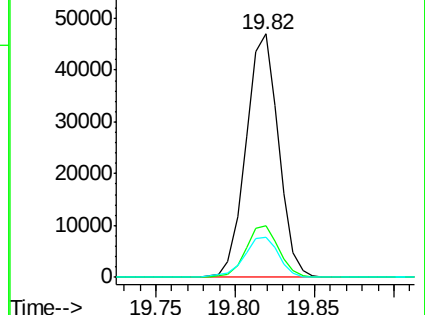
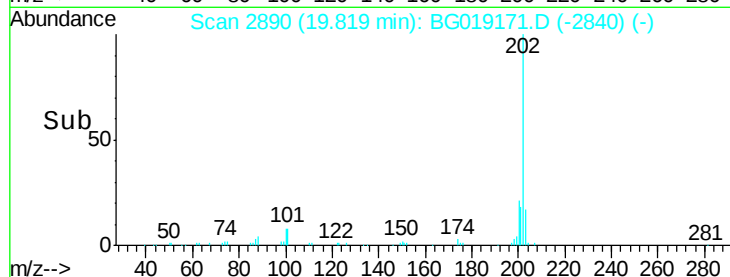
203 16.6 14.8 22.2



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: 88.47 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

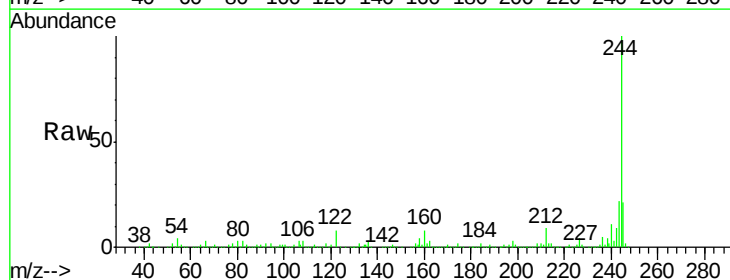
Tgt Ion:244 Resp: 622077

Ion Ratio Lower Upper

244 100

212 8.5 6.8 10.2

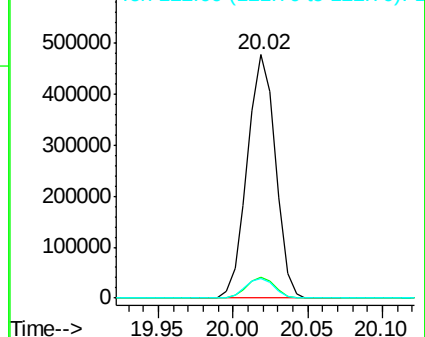
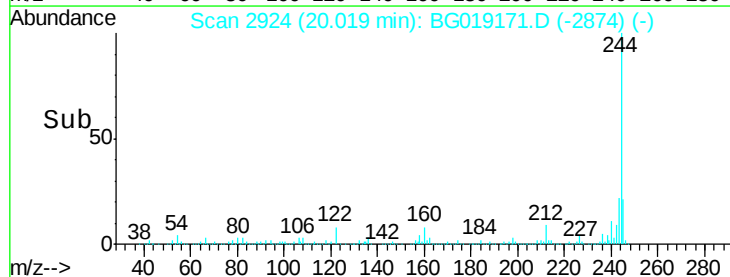
122 8.3 7.4 11.2

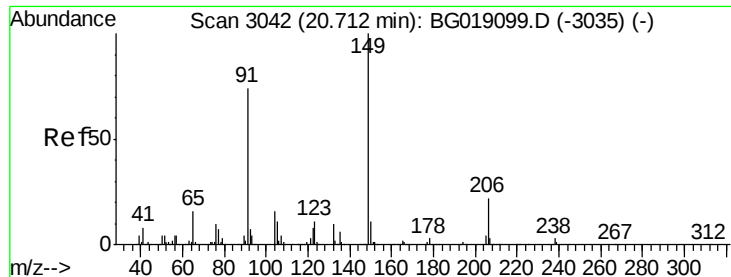


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

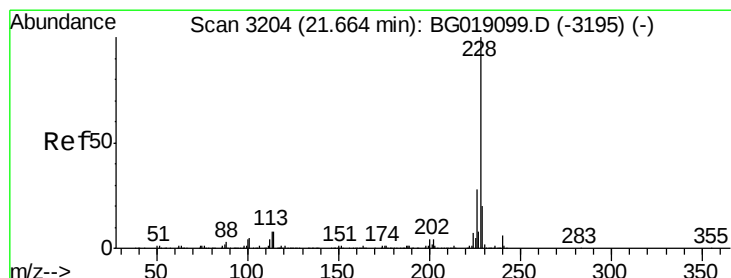
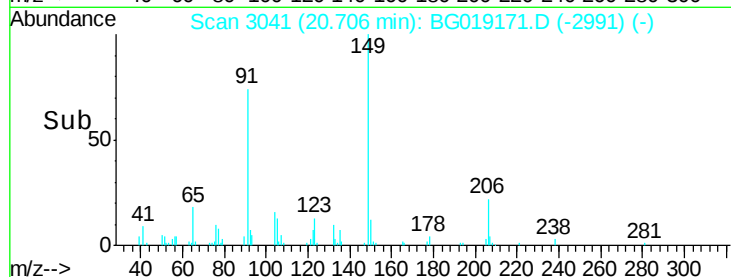
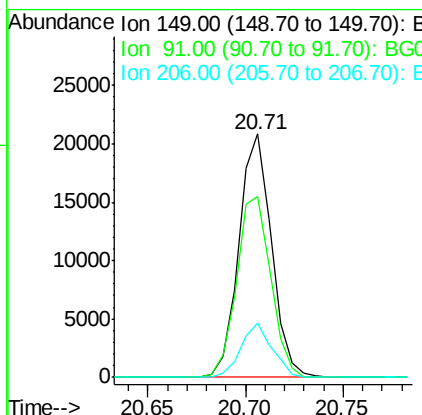
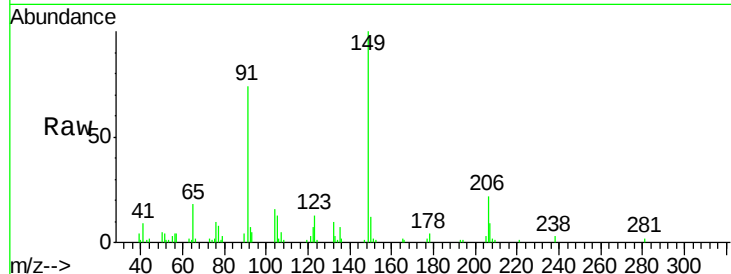




#79
Butylbenzylphthalate
Concen: 5.68 ng
RT: 20.71 min Scan# 3041
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

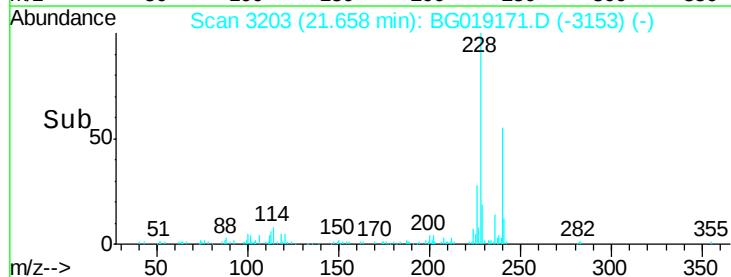
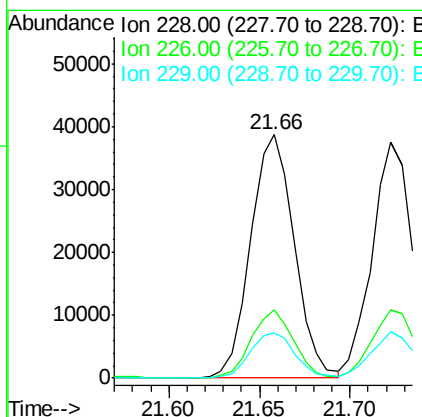
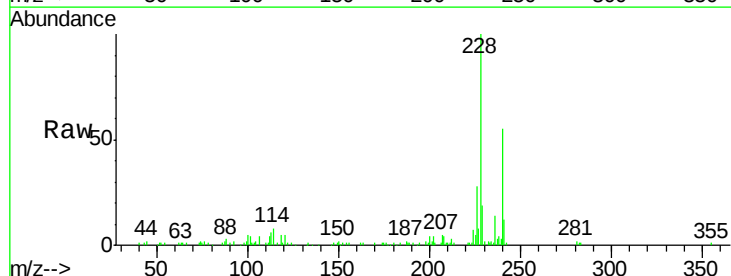
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2015-01

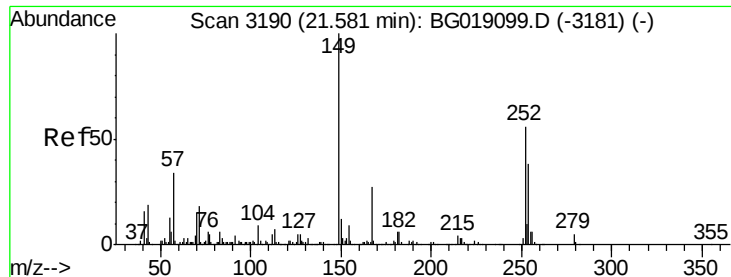
Tot Ion:149 Resp: 24090
Ion Ratio Lower Upper
149 100
91 74.4 59.2 88.8
206 22.2 17.5 26.3



#80
Benzo(a)anthracene
Concen: 6.51 ng
RT: 21.66 min Scan# 3203
Delta R.T. -0.01 min
Lab File: BG019171.D
Acq: 12 Oct 2015 23:38

Tgt Ion:228 Resp: 64837
Ion Ratio Lower Upper
228 100
226 27.9 22.4 33.6
229 18.7 16.2 24.2

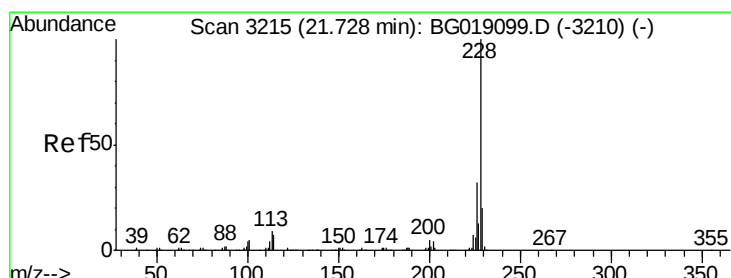
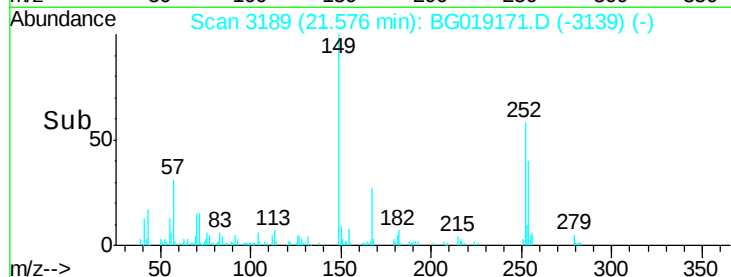
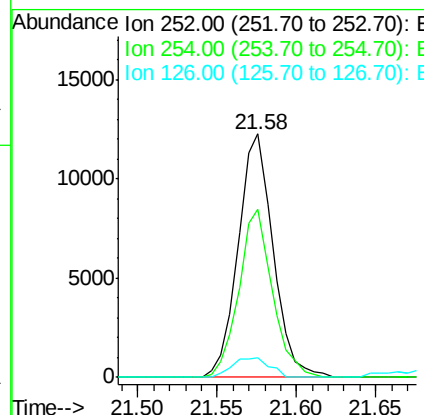
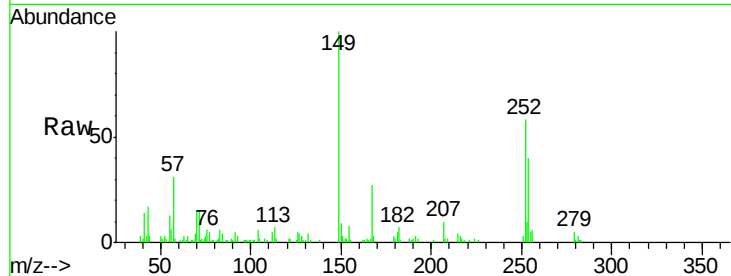




#81
 3,3'-Dichlorobenzidine
 Concen: 5.08 ng
 RT: 21.58 min Scan# 3189
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

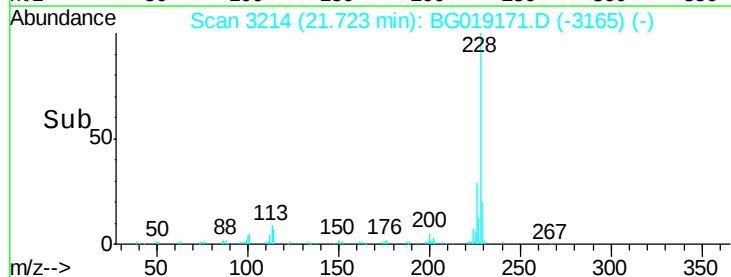
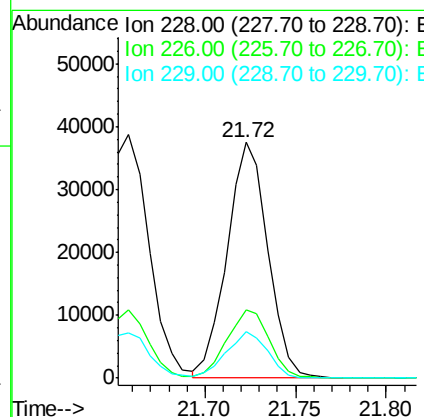
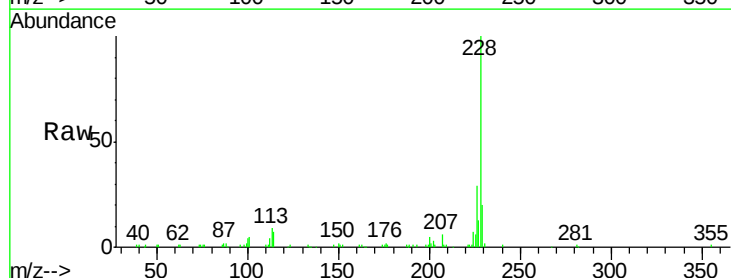
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

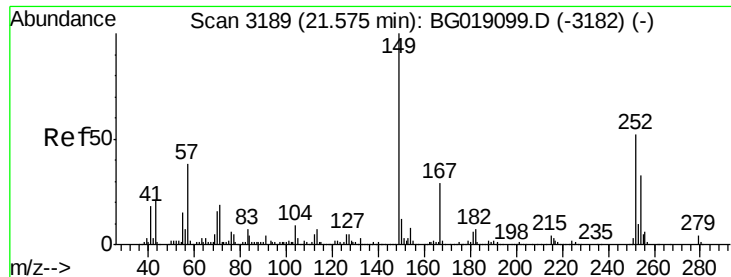
Tot Ion:252 Resp: 18705
 Ion Ratio Lower Upper
 252 100
 254 69.0 53.9 80.9
 126 8.0 7.0 10.6



#82
 Chrysene
 Concen: 6.19 ng
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:228 Resp: 58476
 Ion Ratio Lower Upper
 228 100
 226 29.2 25.2 37.8
 229 19.8 16.3 24.5

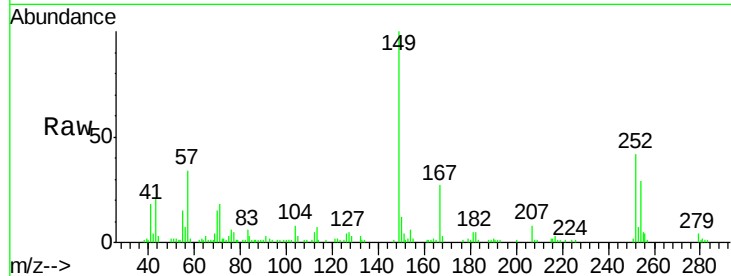




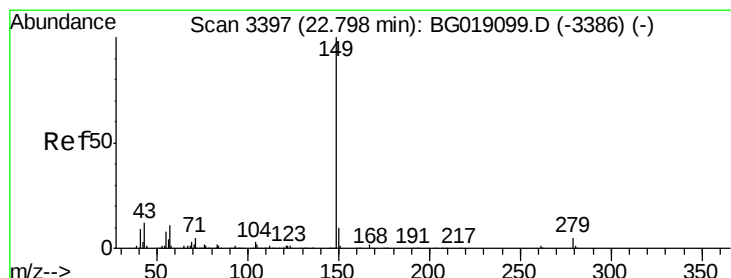
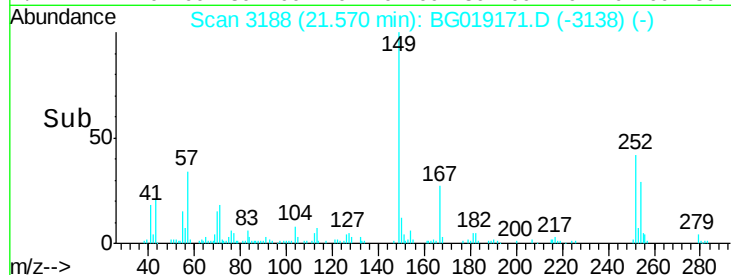
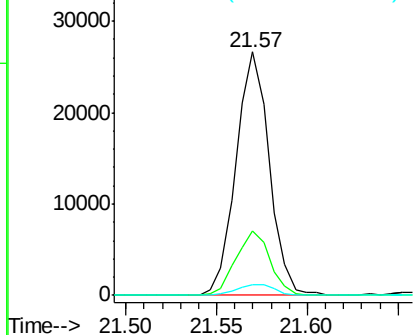
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.77 ng
 RT: 21.57 min Scan# 3188
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

Tot Ion:149 Resp: 33941
 Ion Ratio Lower Upper
 149 100
 167 26.6 22.8 34.2
 279 4.3 3.6 5.4

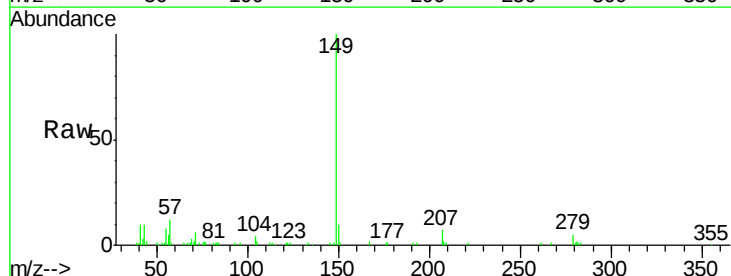


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

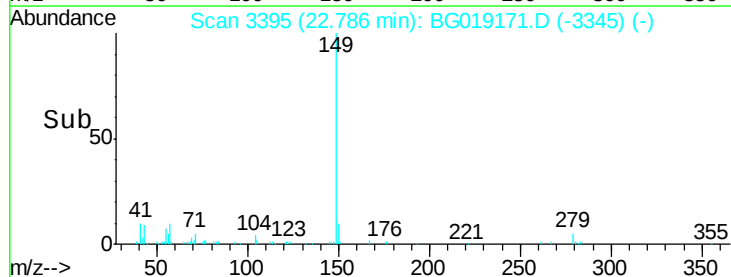
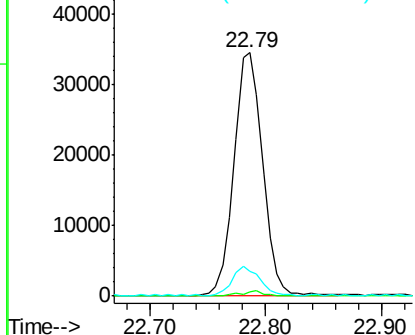


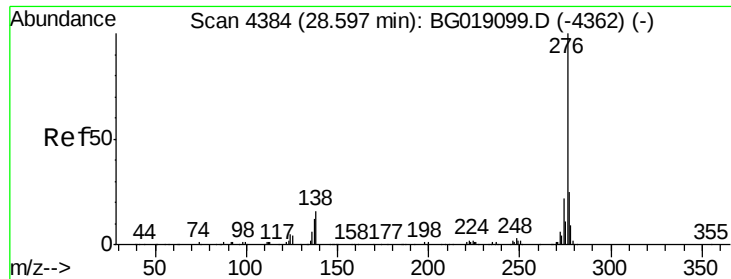
#84
 Di-n-octyl phthalate
 Concen: 5.88 ng
 RT: 22.79 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion:149 Resp: 59798
 Ion Ratio Lower Upper
 149 100
 167 1.7 1.3 1.9
 43 11.8 10.1 15.1



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

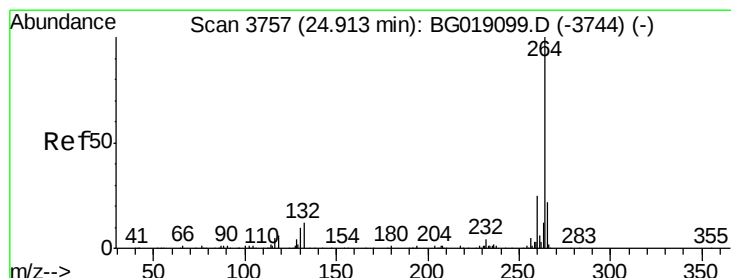
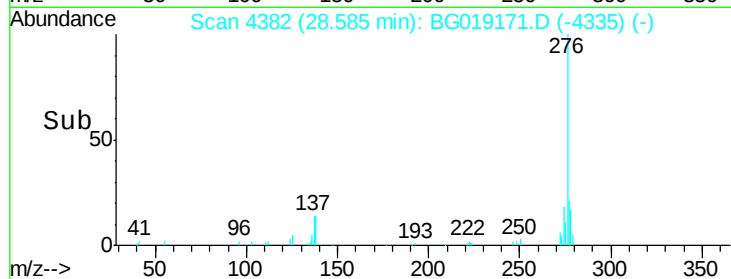
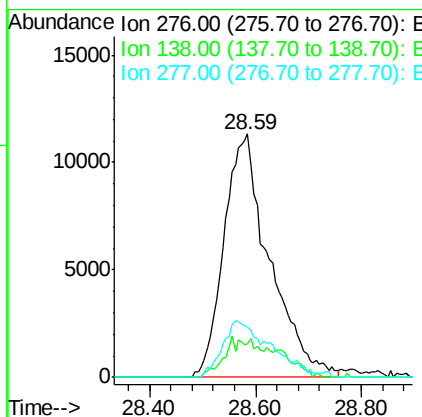
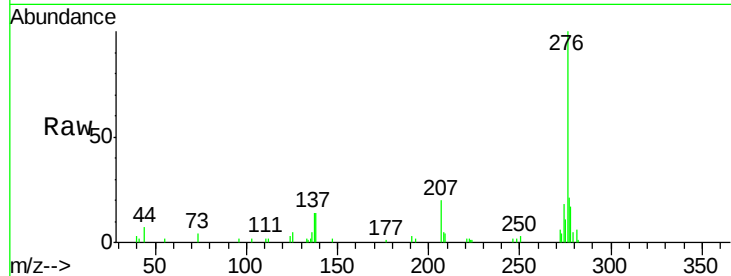




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.88 ng
 RT: 28.59 min Scan# 4382
 Delta R.T. -0.02 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

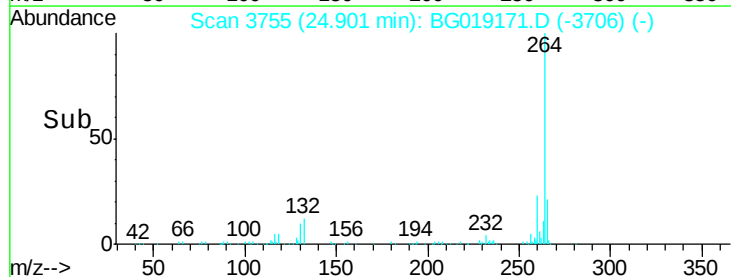
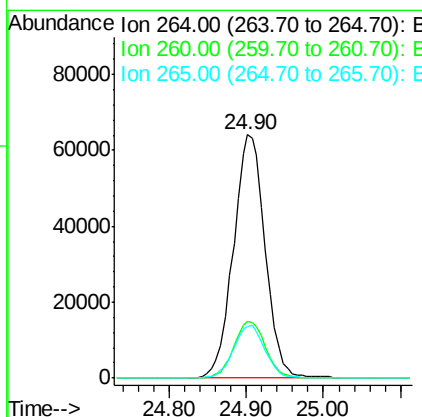
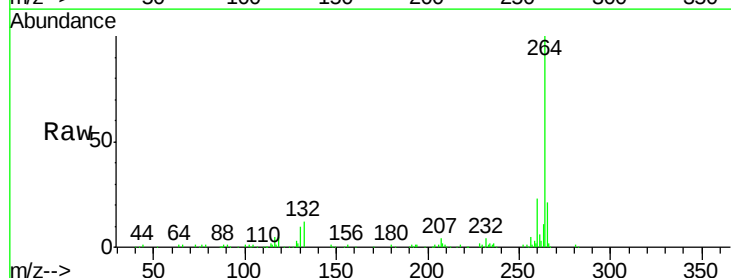
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2015-01

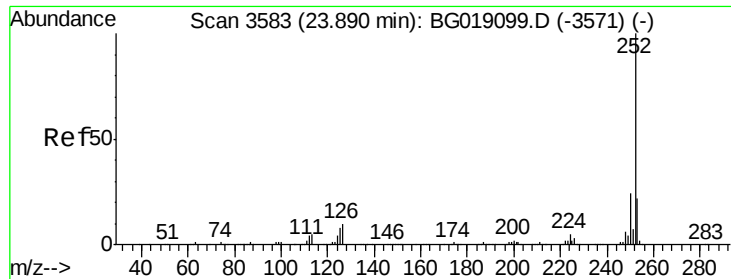
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.2	15.4#
277	0.0	20.2	30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.90 min Scan# 3755
 Delta R.T. -0.01 min
 Lab File: BG019171.D
 Acq: 12 Oct 2015 23:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	20.1	30.1
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.29 ng

RT: 23.88 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

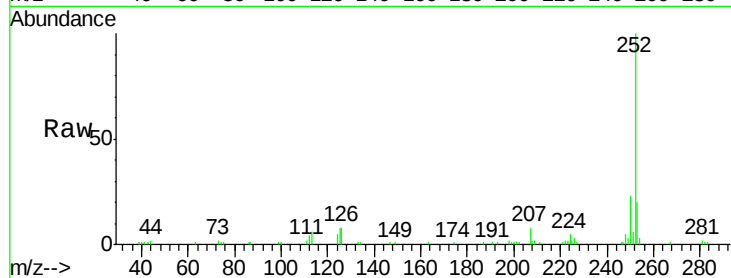
Tot Ion:252 Resp: 62330

Ion Ratio Lower Upper

252 100

253 19.9 17.5 26.3

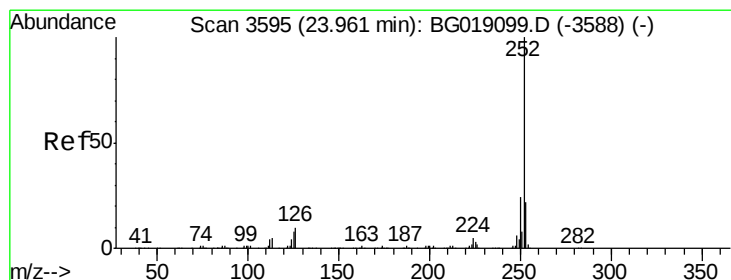
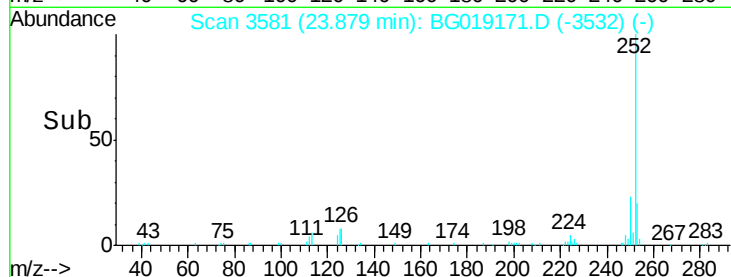
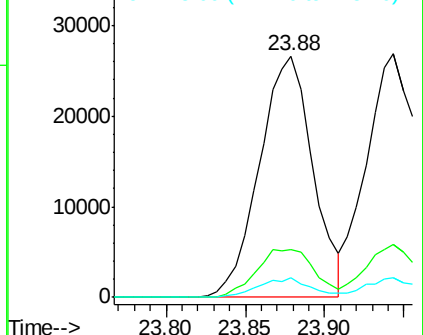
125 8.2 6.6 9.8



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: 6.38 ng

RT: 23.94 min Scan# 3592

Delta R.T. -0.02 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

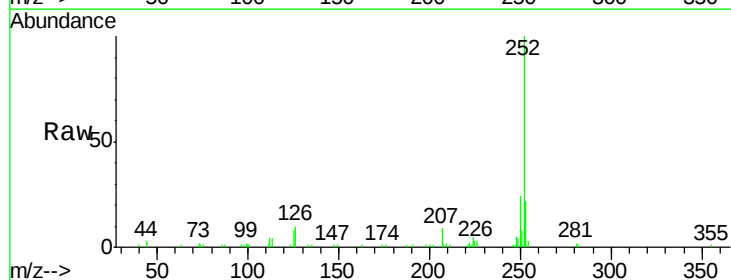
Tgt Ion:252 Resp: 62351

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

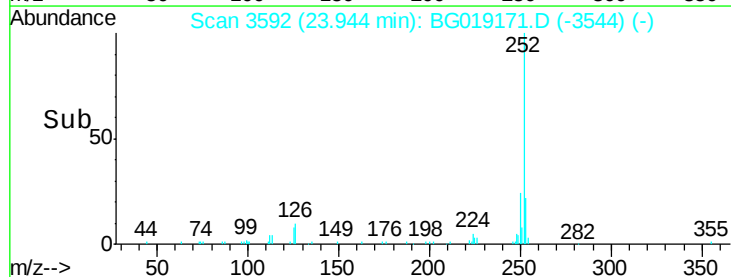
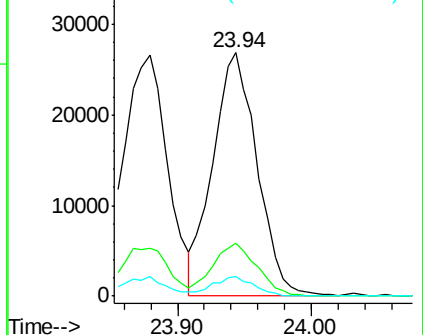
125 8.3 6.4 9.6

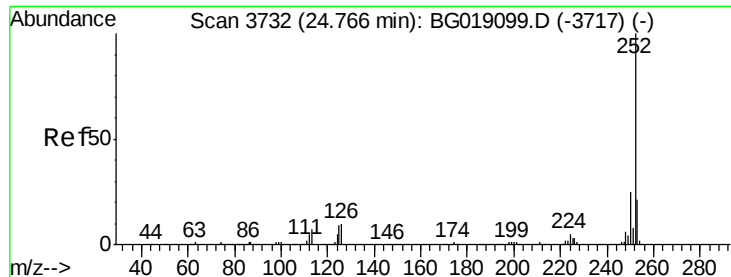


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.33 ng

RT: 24.75 min Scan# 3729

Delta R.T. -0.02 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

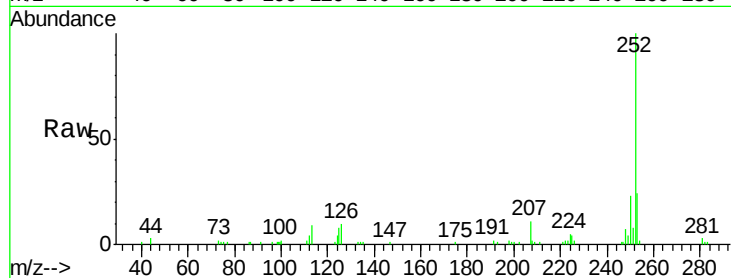
Tot Ion:252 Resp: 59203

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.4

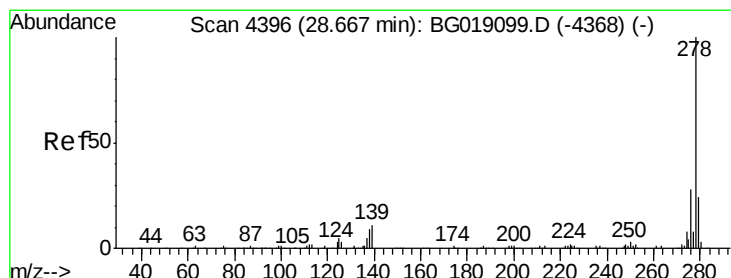
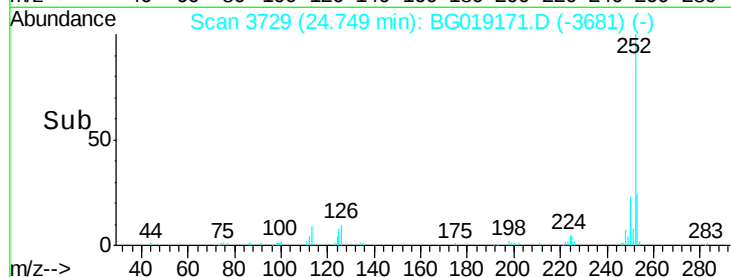
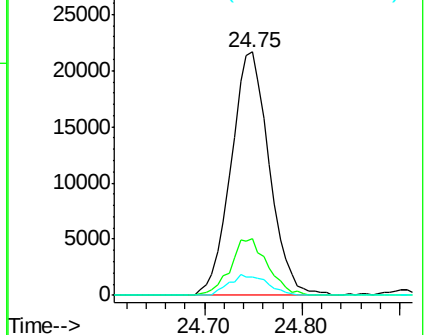
125 7.7 7.2 10.8



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: 5.81 ng

RT: 28.65 min Scan# 4393

Delta R.T. -0.02 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

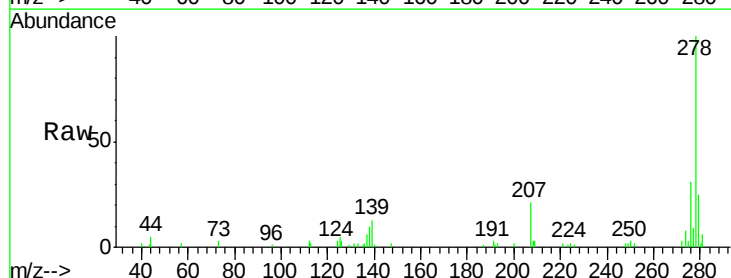
Tgt Ion:278 Resp: 58324

Ion Ratio Lower Upper

278 100

139 12.5 8.6 12.8

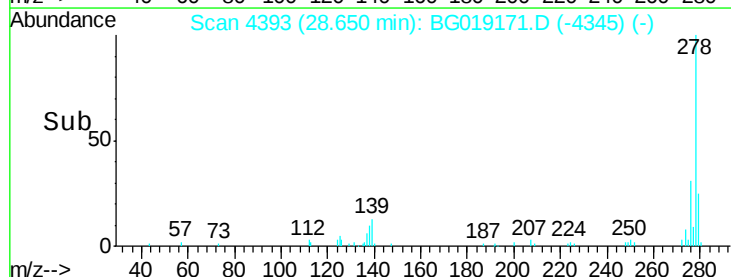
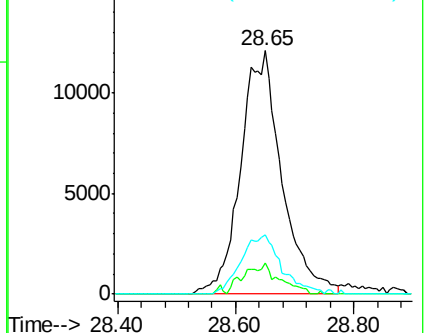
279 24.6 19.5 29.3

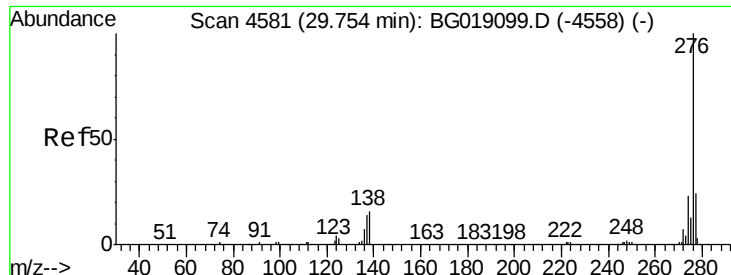


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.85 ng

RT: 29.71 min Scan# 4574

Delta R.T. -0.05 min

Lab File: BG019171.D

Acq: 12 Oct 2015 23:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2015-01

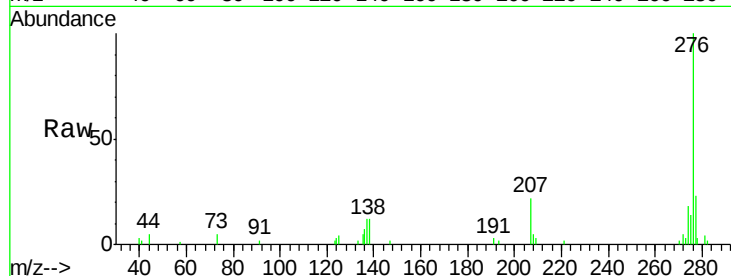
Tot Ion:276 Resp: 54627

Ion Ratio Lower Upper

276 100

277 22.8 19.5 29.3

138 11.8 13.0 19.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

