

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022663.D
 Acq On : 28 Jun 2016 4:38
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-8PPM
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jun 28 07:45:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	145204	20.00	ng	-0.01
21) Naphthalene-d8	10.99	136	584666	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	434531	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	1185796	20.00	ng	0.00
75) Chrysene-d12	21.85	240	1372502	20.00	ng	0.00
86) Perylene-d12	25.21	264	1461666	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.70	112	959580	106.00	ng	0.00
7) Phenol-d6	7.31	99	1397505	109.52	ng	0.00
23) Nitrobenzene-d5	9.33	82	966660	69.98	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	797731	116.72	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1904864	69.52	ng	0.00
78) Terphenyl-d14	20.16	244	3128089	60.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	18474	5.03	ng	96
3) Pyridine	3.99	79	49419	4.82	ng	97
4) n-Nitrosodimethylamine	3.90	42	27363	4.66	ng	# 87
6) Aniline	7.48	93	46157	2.73	ng	95
8) 2-Chlorophenol	7.72	128	56398	6.01	ng	96
9) Benzaldehyde	7.30	77	59689	13.29	ng	88
10) Phenol	7.34	94	84017	6.23	ng	89
11) bis(2-Chloroethyl)ether	7.57	93	57385	5.17	ng	98
12) 1,3-Dichlorobenzene	8.20	146	62150	5.45	ng	97
13) 1,4-Dichlorobenzene	8.20	146	62150	5.43	ng	97
14) 1,2-Dichlorobenzene	8.52	146	58080	5.34	ng	98
15) Benzyl Alcohol	8.40	79	61925	5.24	ng	# 87
16) 2,2'-oxybis(1-Chloropropan	8.69	45	63104	5.14	ng	89
17) 2-Methylphenol	8.59	107	49620	5.58	ng	# 83
18) Hexachloroethane	9.25	117	23120	4.88	ng	98
19) n-Nitroso-di-n-propylamine	8.96	70	51953	4.89	ng	# 97
20) 3+4-Methylphenols	8.92	107	69807	5.70	ng	92
22) Acetophenone	8.98	105	101807	6.02	ng	# 92
24) Nitrobenzene	9.37	77	87423	5.73	ng	# 94
25) Isophorone	9.89	82	137858	5.14	ng	96
26) 2-Nitrophenol	10.09	139	30576	5.56	ng	94
27) 2,4-Dimethylphenol	10.13	122	58243	5.54	ng	# 81
28) bis(2-Chloroethoxy)methane	10.38	93	82881	5.66	ng	# 95
29) 2,4-Dichlorophenol	10.62	162	61845	6.04	ng	90
30) 1,2,4-Trichlorobenzene	10.85	180	72028	5.93	ng	95
31) Naphthalene	11.03	128	166897	5.68	ng	# 95
32) Benzoic acid	10.19	122	29322	8.93	ng	91
33) 4-Chloroaniline	11.14	127	36333	2.87	ng	92
34) Hexachlorobutadiene	11.32	225	52125	5.52	ng	# 88
35) Caprolactam	11.89	113	18967	5.88	ng	93
36) 4-Chloro-3-methylphenol	12.24	107	77080	6.13	ng	91
37) 2-Methylnaphthalene	12.63	142	125670	5.51	ng	97
39) 1,2,4,5-Tetrachlorobenzene	12.99	216	91838	5.60	ng	# 97
40) Hexachlorocyclopentadiene	12.97	237	54446	4.16	ng	97

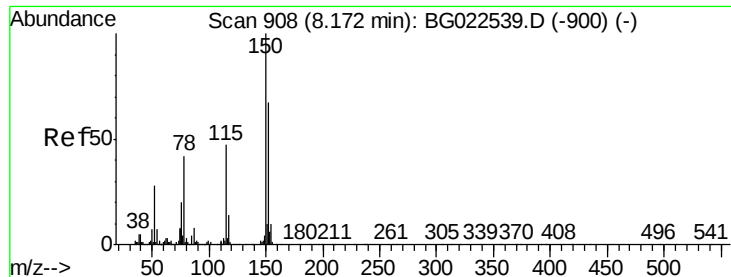
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062716\
 Data File : BG022663.D
 Acq On : 28 Jun 2016 4:38
 Operator : UM/SJ
 Sample : H3606-03
 Misc : LOD-8PPM
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Jun 28 07:45:10 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 20:14:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.22	196	57703	5.49	ng	95
43) 2,4,5-Trichlorophenol	13.30	196	69734	6.34	ng	89
45) 1,1'-Biphenyl	13.62	154	187774	5.67	ng	93
46) 2-Chloronaphthalene	13.68	162	154534	5.67	ng	95
47) 2-Nitroaniline	13.87	65	56541	5.38	ng	96
48) Acenaphthylene	14.52	152	229114	5.80	ng	96
49) Dimethylphthalate	14.24	163	216418	6.00	ng	98
50) 2,6-Dinitrotoluene	14.36	165	43940	5.61	ng	# 82
51) Acenaphthene	14.86	154	163517	5.62	ng	98
52) 3-Nitroaniline	14.70	138	40150	5.48	ng	80
53) 2,4-Dinitrophenol	14.90	184	24771	5.13	ng	93
54) Dibenzofuran	15.19	168	260875	6.19	ng	95
55) 4-Nitrophenol	14.99	139	37183	6.00	ng	# 83
56) 2,4-Dinitrotoluene	15.15	165	64291	5.93	ng	91
57) Fluorene	15.85	166	215492	6.41	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.42	232	68198	5.98	ng	99
59) Diethylphthalate	15.60	149	220500	5.95	ng	95
60) 4-Chlorophenyl-phenylether	15.83	204	120348	6.01	ng	95
61) 4-Nitroaniline	15.86	138	47856	6.33	ng	# 76
62) Azobenzene	16.13	77	225266	5.61	ng	92
64) 4,6-Dinitro-2-methylphenol	15.91	198	36179	4.55	ng	92
65) n-Nitrosodiphenylamine	16.04	169	198947	5.77	ng	94
66) 4-Bromophenyl-phenylether	16.73	248	82713	5.38	ng	100
67) Hexachlorobenzene	16.86	284	89022	5.47	ng	98
68) Atrazine	16.99	200	85545	5.87	ng	97
69) Pentachlorophenol	17.20	266	53556	4.78	ng	92
70) Phenanthrene	17.60	178	380483	6.29	ng	96
71) Anthracene	17.60	178	380483	6.11	ng	98
72) Carbazole	17.95	167	331974	6.29	ng	95
73) Di-n-butylphthalate	18.51	149	398327	6.48	ng	# 93
74) Fluoranthene	19.60	202	470766	6.76	ng	92
76) Benzidine	19.78	184	69684	4.77	ng	97
77) Pyrene	19.96	202	478938	6.55	ng	93
79) Butylbenzylphthalate	20.84	149	179166	5.66	ng	93
80) Benzo(a)anthracene	21.83	228	506954	6.68	ng	91
81) 3,3'-Dichlorobenzidine	21.74	252	108854	3.47	ng	94
82) Chrysene	21.90	228	490382	6.87	ng	94
83) Bis(2-ethylhexyl)phthalate	21.72	149	237595	5.33	ng	97
84) Di-n-octyl phthalate	22.98	149	409612	5.58	ng	96
85) Indeno(1,2,3-cd)pyrene	29.04	276	497346	5.30	ng	# 100
87) Benzo(b)fluoranthene	24.13	252	507255	5.77	ng	96
88) Benzo(k)fluoranthene	24.20	252	475580	5.72	ng	100
89) Benzo(a)pyrene	25.05	252	485070	5.66	ng	99
90) Dibenzo(a,h)anthracene	29.12	278	425382	5.27	ng	# 95
91) Benzo(g,h,i)perylene	30.24	276	222694	2.71	ng	# 92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

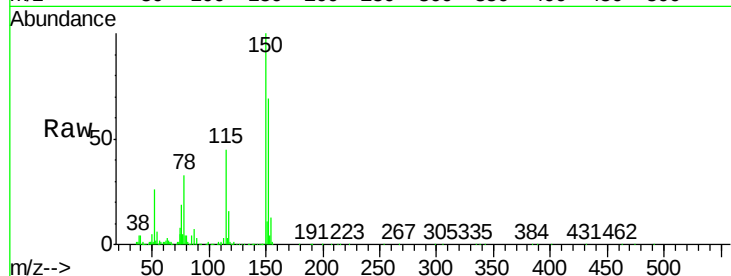
Tgt Ion:152 Resp: 145204

Ion Ratio Lower Upper

152 100

150 144.3 144.7 217.1#

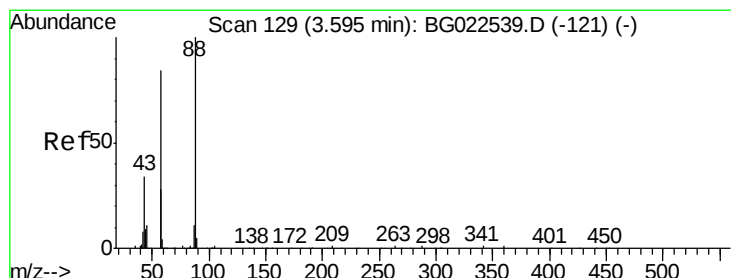
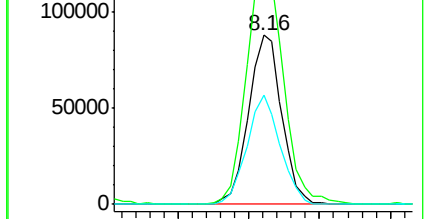
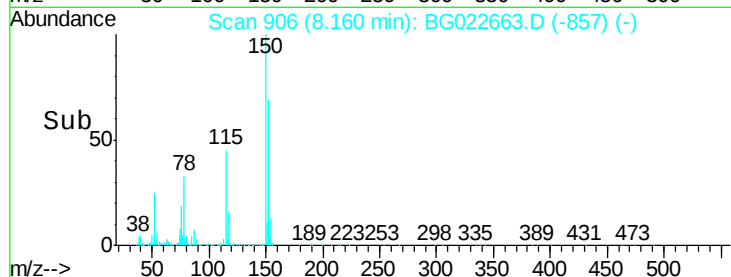
115 64.3 64.0 96.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.03 ng

RT: 3.58 min Scan# 127

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

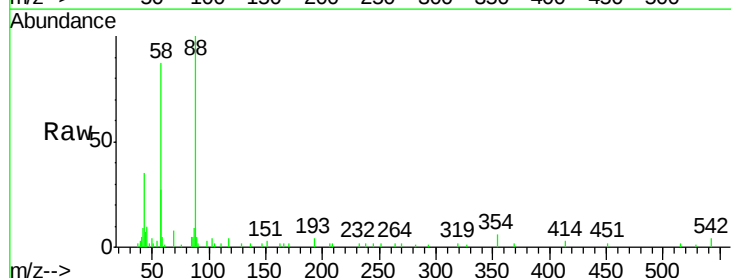
Tgt Ion: 88 Resp: 18474

Ion Ratio Lower Upper

88 100

58 79.1 60.4 90.6

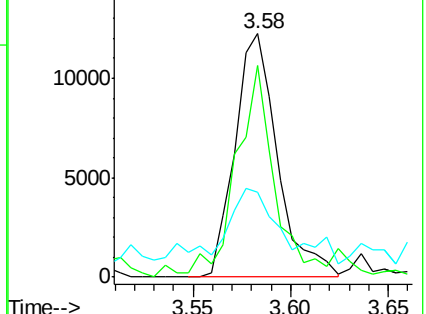
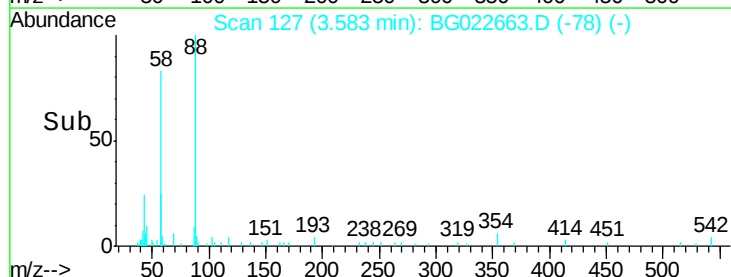
43 37.1 31.1 46.7

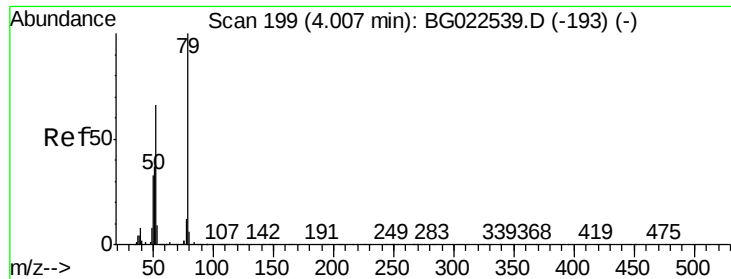


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pyridine

Concen: 4.82 ng

RT: 3.99 min Scan# 196

Delta R.T. -0.02 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

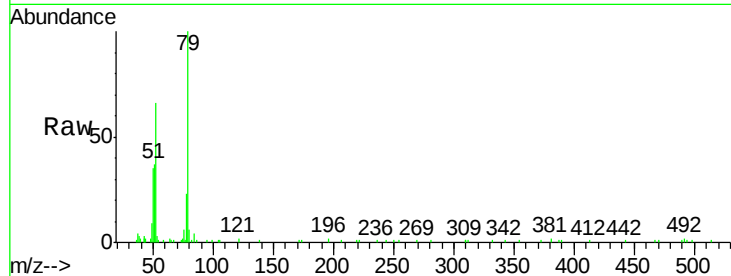
Tgt Ion: 79 Resp: 49419

Ion Ratio Lower Upper

79 100

52 65.6 51.8 77.8

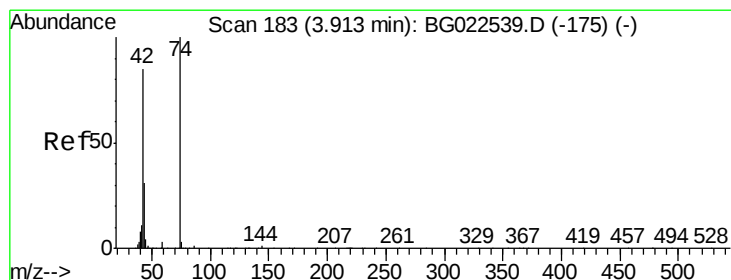
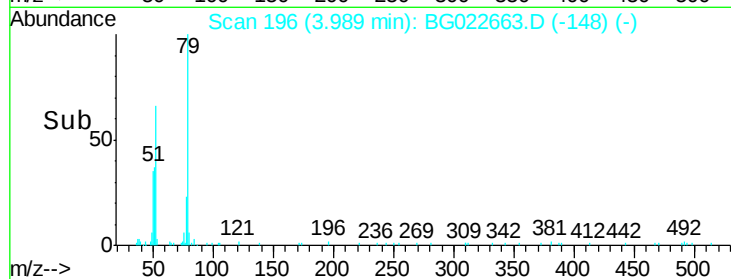
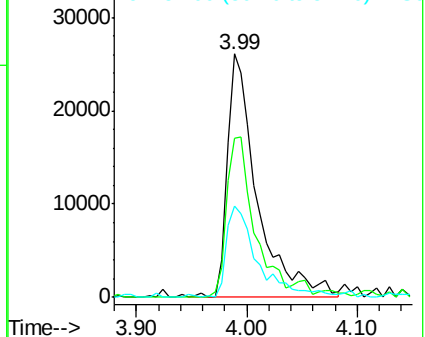
51 37.4 32.7 49.1



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 4.66 ng

RT: 3.90 min Scan# 181

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

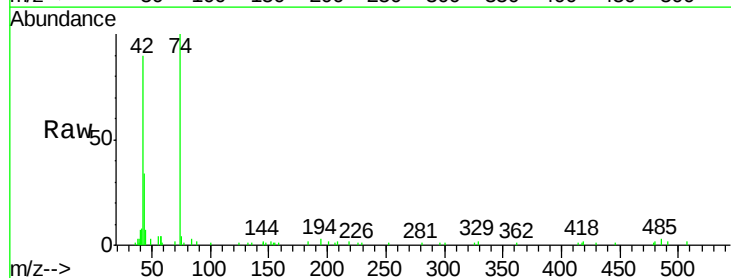
Tgt Ion: 42 Resp: 27363

Ion Ratio Lower Upper

42 100

74 110.7 100.6 150.8

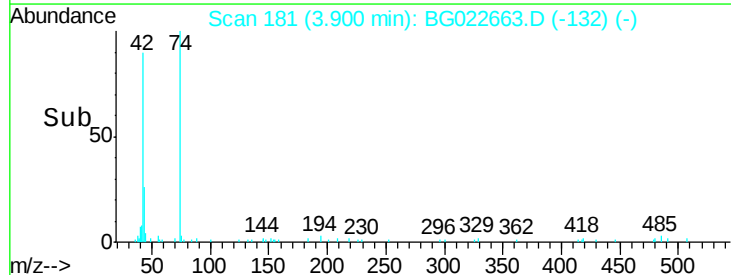
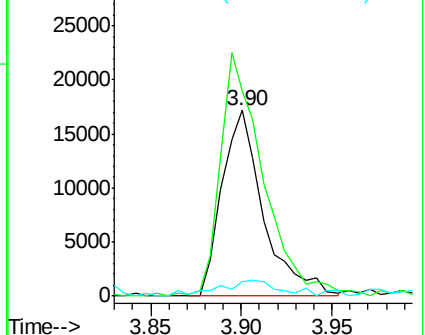
44 7.9 4.5 6.7#

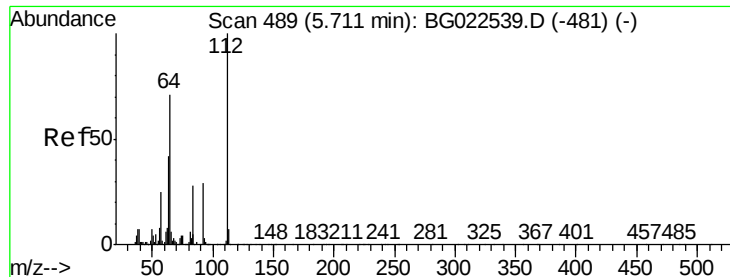


Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 106.00 ng

RT: 5.70 min Scan# 488

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

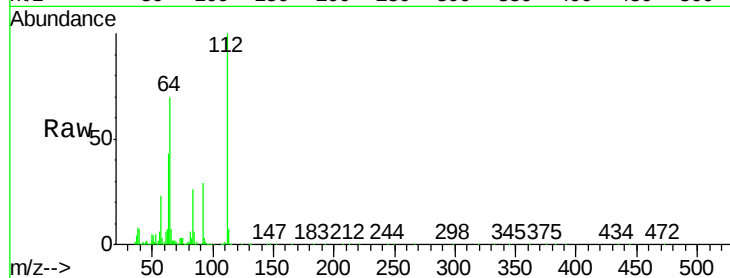
Tgt Ion: 112 Resp: 959580

Ion Ratio Lower Upper

112 100

64 69.5 59.0 88.4

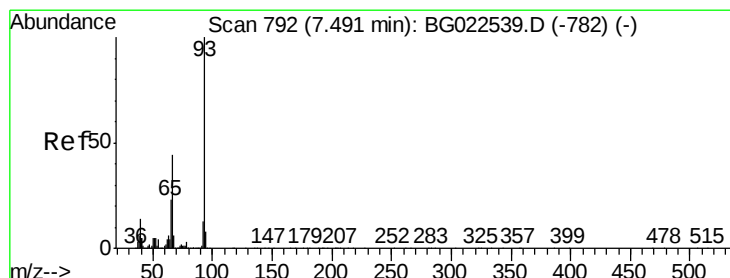
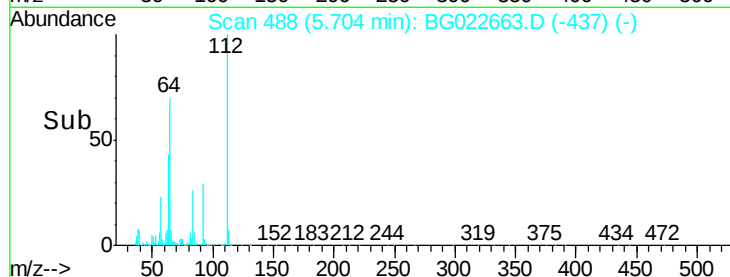
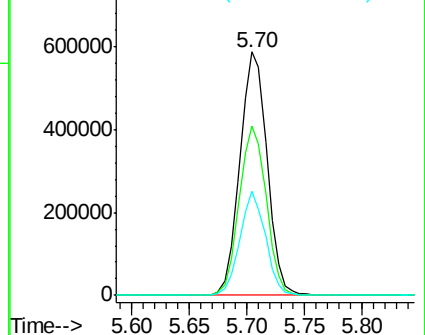
63 42.6 37.8 56.8



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: 2.73 ng

RT: 7.48 min Scan# 791

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

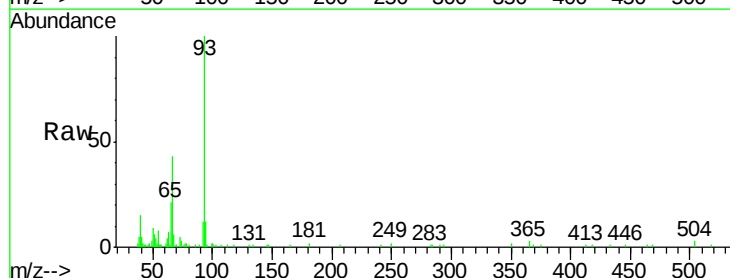
Tgt Ion: 93 Resp: 46157

Ion Ratio Lower Upper

93 100

66 42.6 37.5 56.3

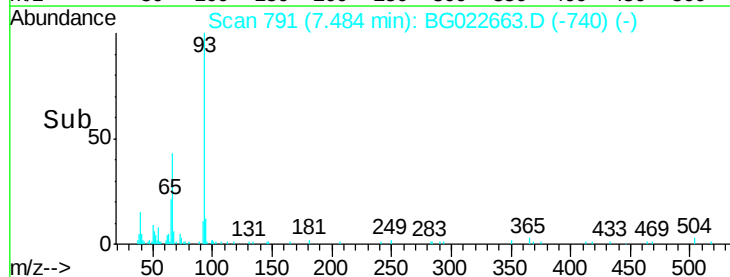
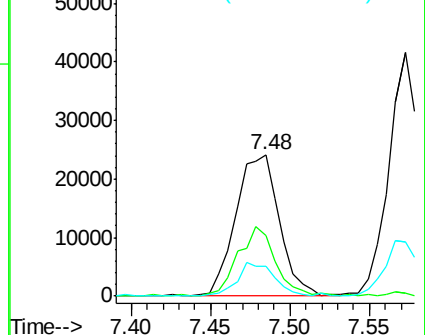
65 20.9 17.9 26.9

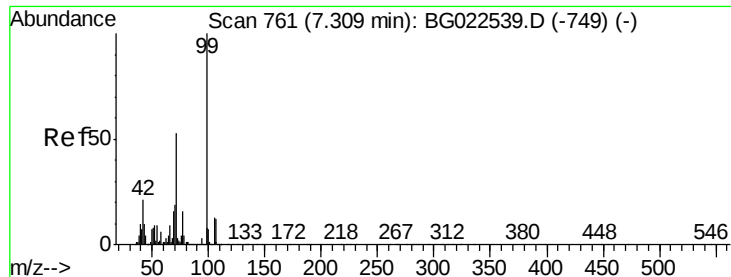


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 109.52 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

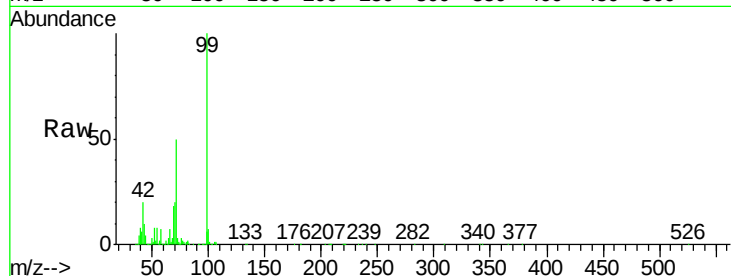
Tgt Ion: 99 Resp: 1397505

Ion Ratio Lower Upper

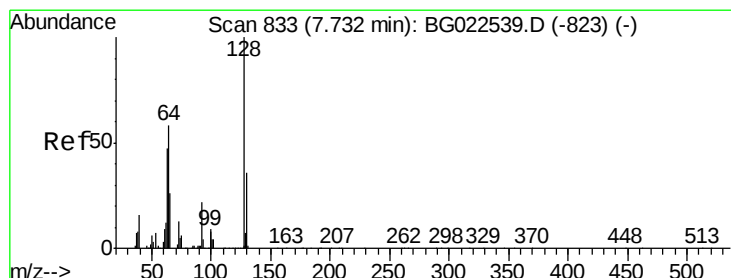
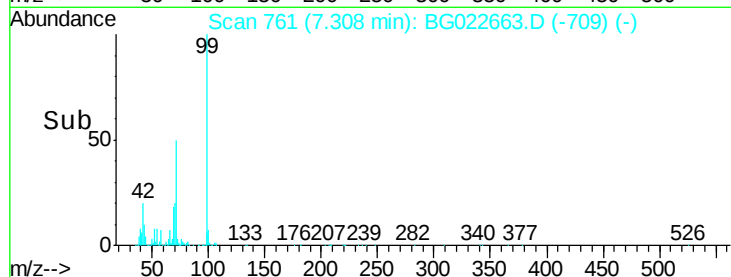
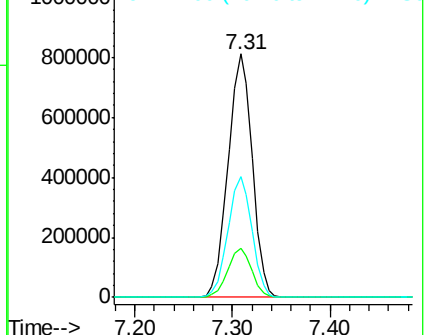
99 100

42 20.1 17.8 26.6

71 49.9 41.5 62.3



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: 6.01 ng

RT: 7.72 min Scan# 831

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

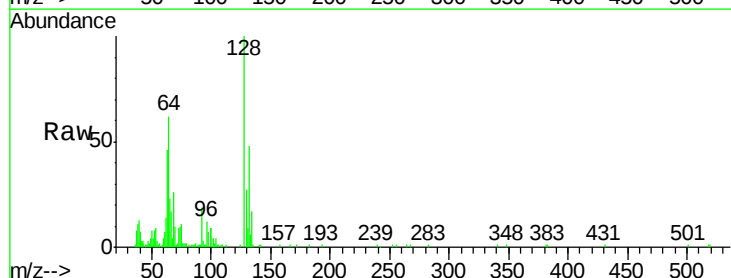
Tgt Ion: 128 Resp: 56398

Ion Ratio Lower Upper

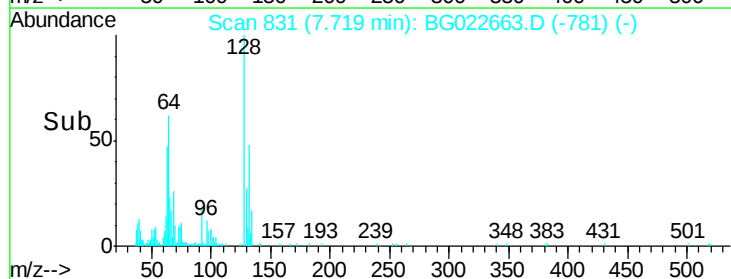
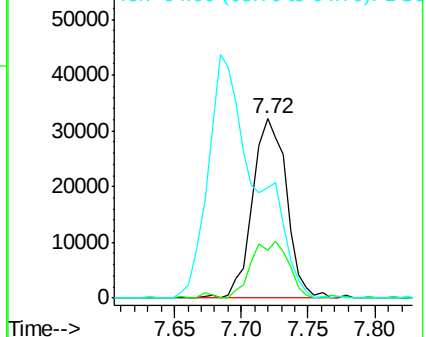
128 100

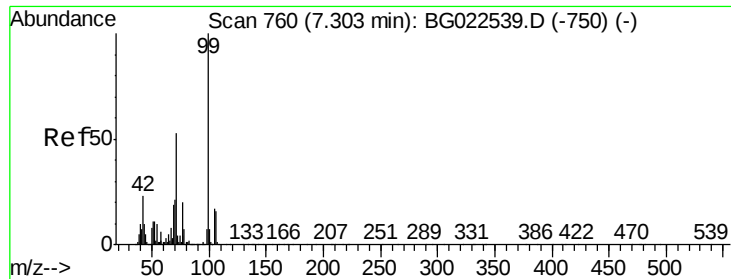
130 26.9 12.9 52.9

64 61.6 42.0 82.0



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: 13.29 ng

RT: 7.30 min Scan# 759

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

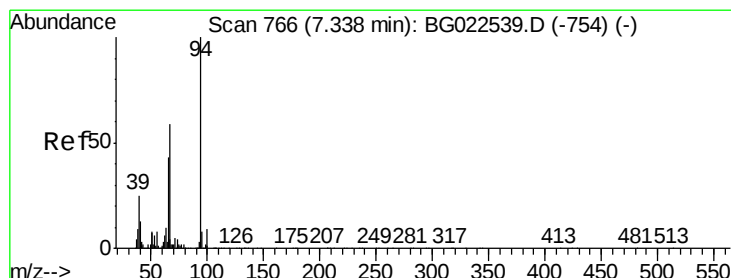
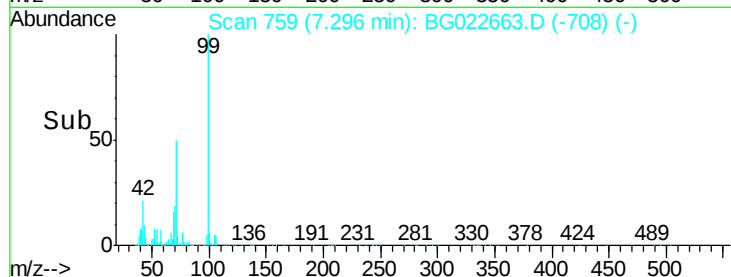
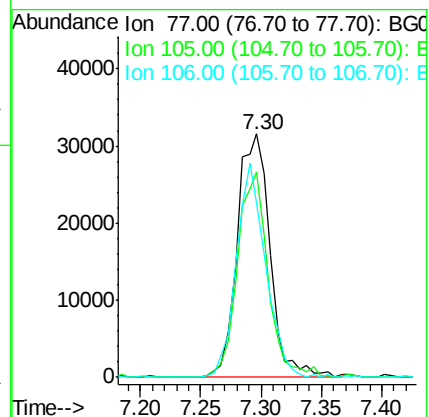
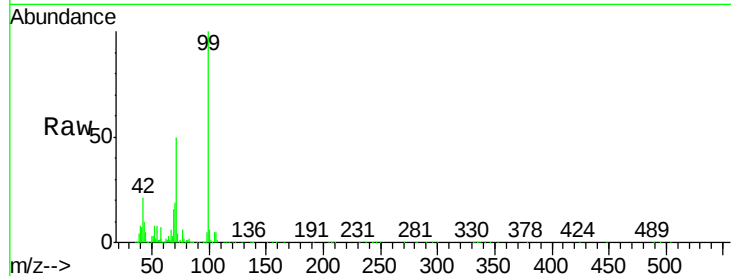
Tgt Ion: 77 Resp: 59689

Ion Ratio Lower Upper

77 100

105 84.5 58.7 98.7

106 71.5 67.5 107.5



#10

Phenol

Concen: 6.23 ng

RT: 7.34 min Scan# 766

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

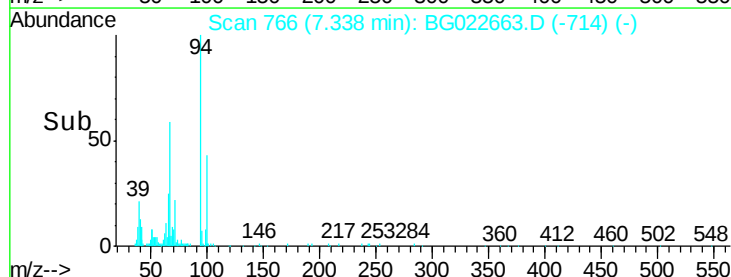
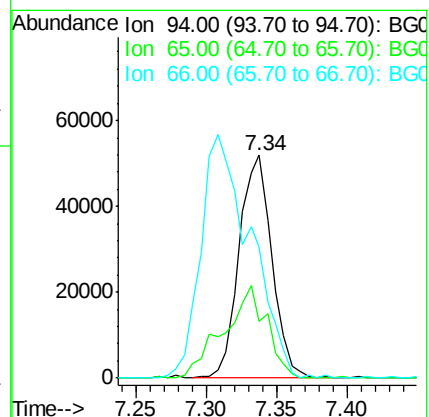
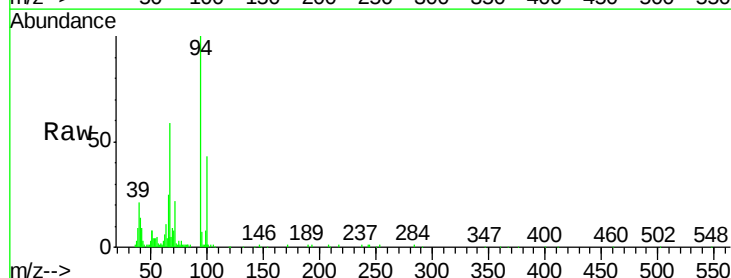
Tgt Ion: 94 Resp: 84017

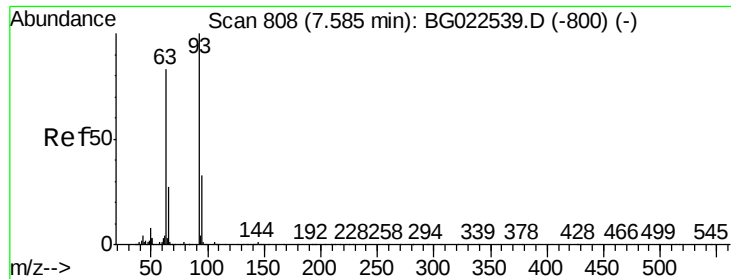
Ion Ratio Lower Upper

94 100

65 25.5 18.1 58.1

66 58.7 42.1 82.1

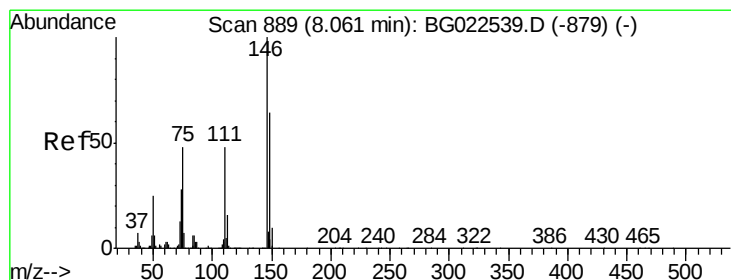
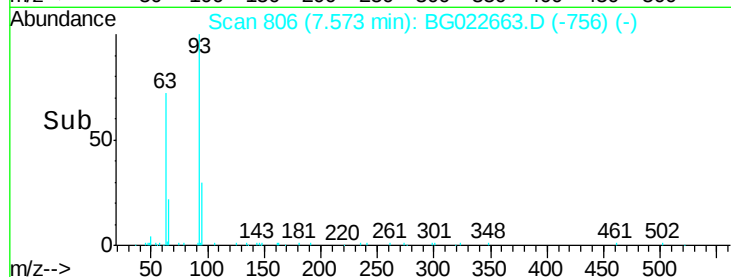
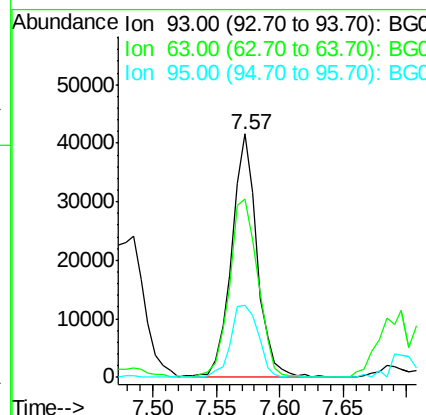
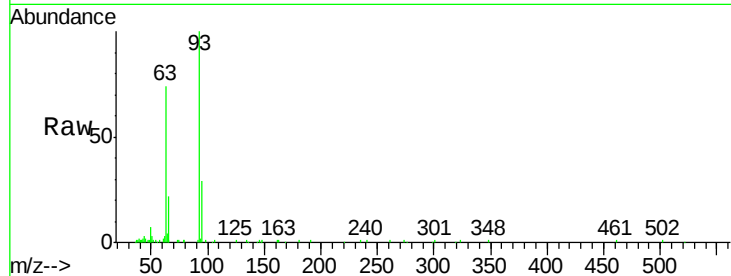




#11
bis(2-Chloroethyl)ether
Concen: 5.17 ng
RT: 7.57 min Scan# 806
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

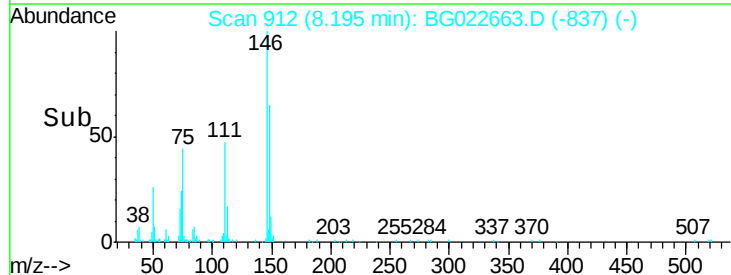
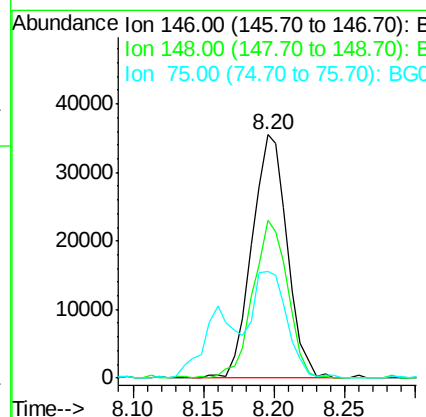
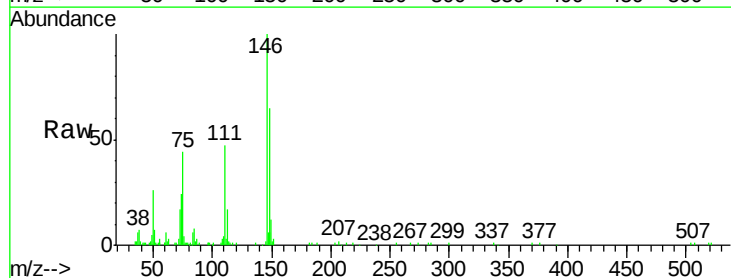
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

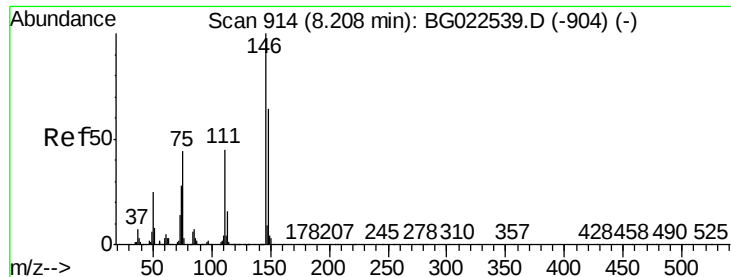
Tgt Ion: 93 Resp: 57385
Ion Ratio Lower Upper
93 100
63 73.5 55.0 95.0
95 29.4 11.0 51.0



#12
1,3-Dichlorobenzene
Concen: 5.45 ng
RT: 8.20 min Scan# 912
Delta R.T. 0.14 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion: 146 Resp: 62150
Ion Ratio Lower Upper
146 100
148 64.7 50.3 75.5
75 43.8 37.0 55.6





#13

1,4-Dichlorobenzene

Concen: 5.43 ng

RT: 8.20 min Scan# 912

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

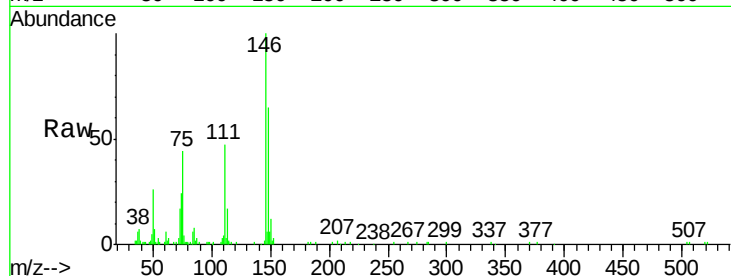
Tgt Ion:146 Resp: 62150

Ion Ratio Lower Upper

146 100

148 64.7 54.5 81.7

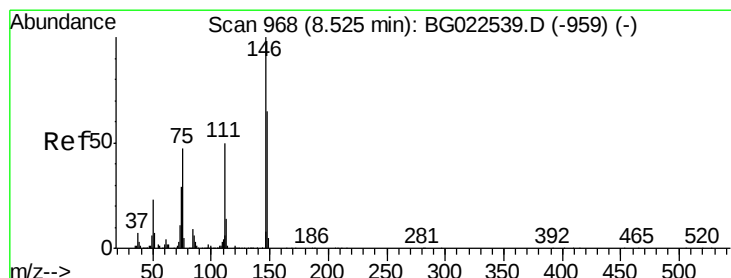
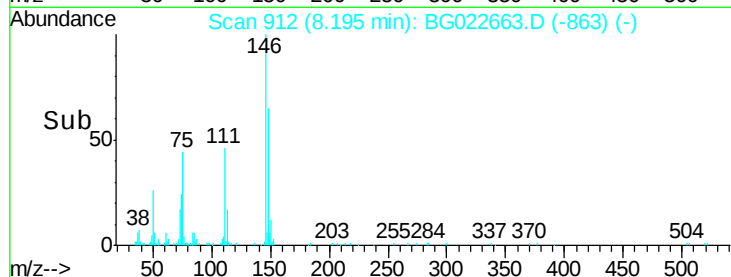
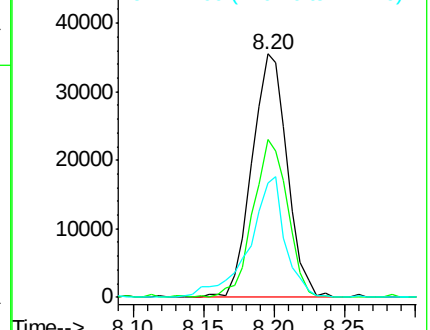
111 46.9 37.8 56.8



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 5.34 ng

RT: 8.52 min Scan# 967

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

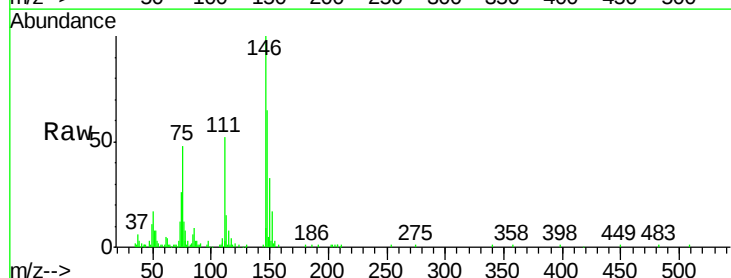
Tgt Ion:146 Resp: 58080

Ion Ratio Lower Upper

146 100

148 65.2 52.9 79.3

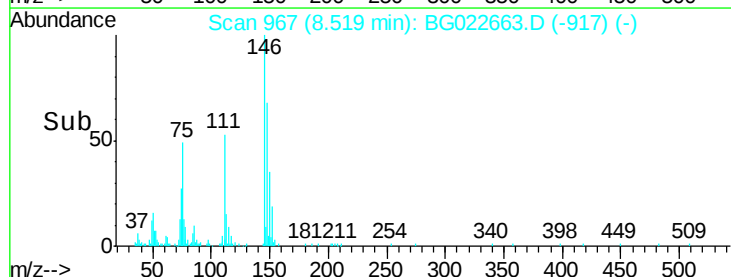
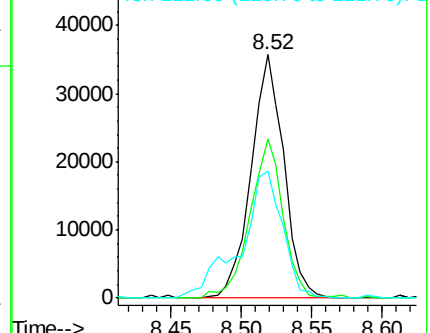
111 52.4 43.5 65.3

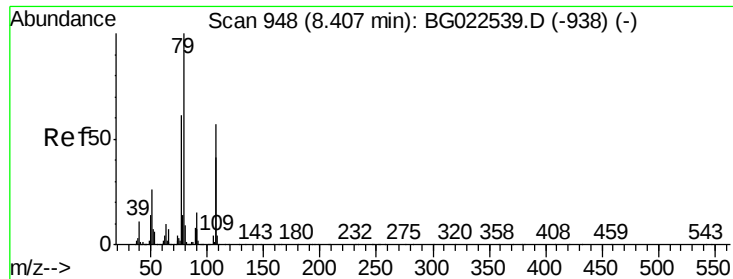


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 5.24 ng

RT: 8.40 min Scan# 946

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

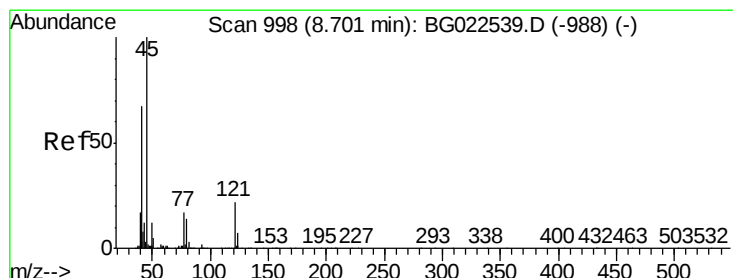
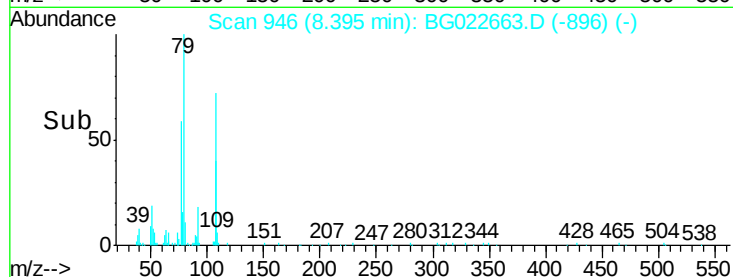
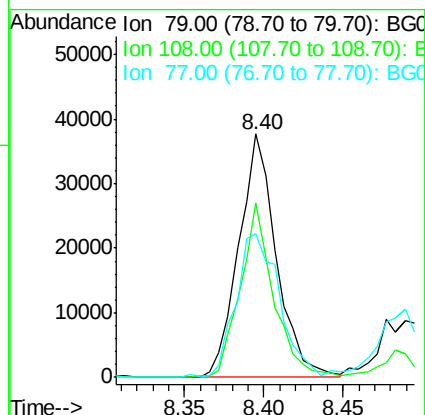
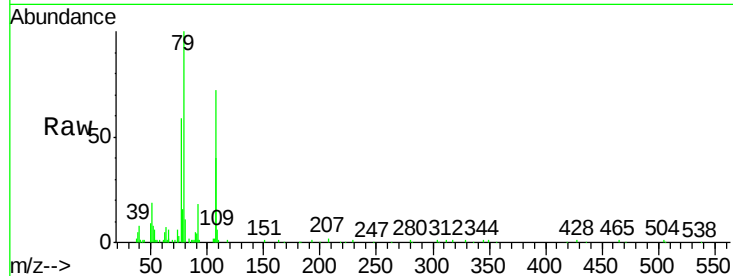
Tgt Ion: 79 Resp: 61925

Ion Ratio Lower Upper

79 100

108 71.6 46.5 69.7#

77 59.2 52.3 78.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.14 ng

RT: 8.69 min Scan# 997

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

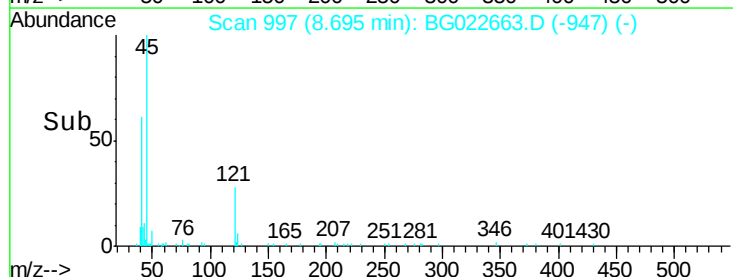
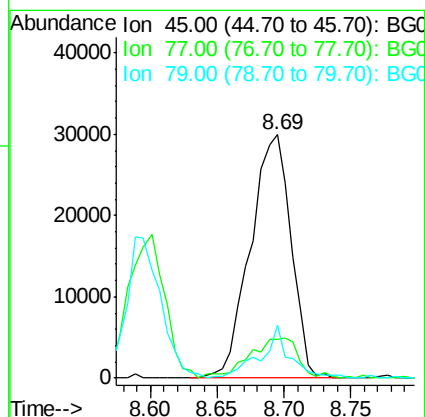
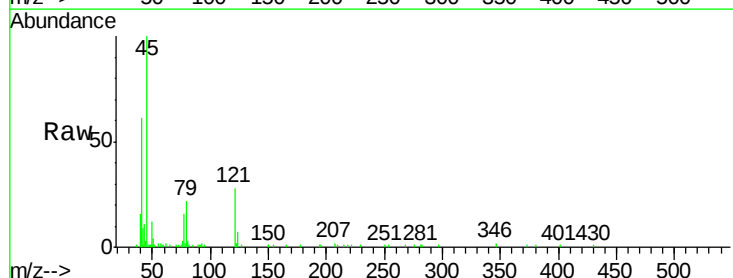
Tgt Ion: 45 Resp: 63104

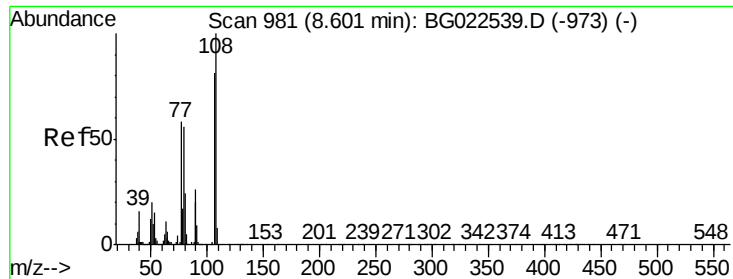
Ion Ratio Lower Upper

45 100

77 16.2 0.6 40.6

79 21.8 0.0 36.2

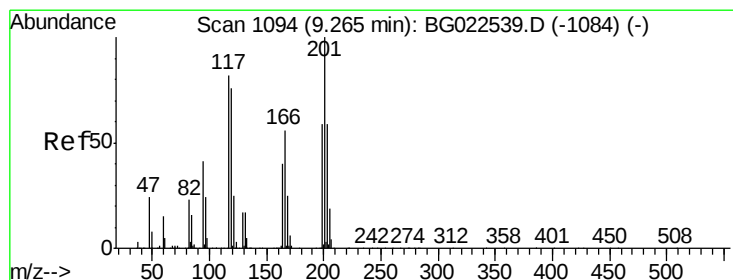
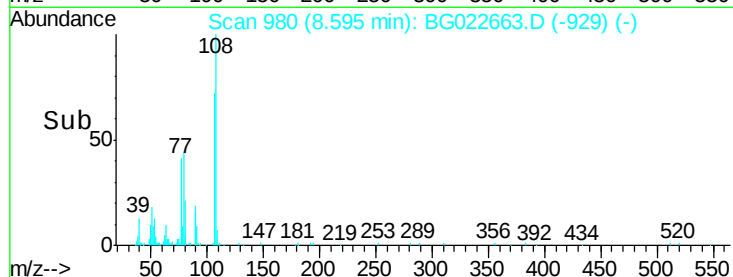
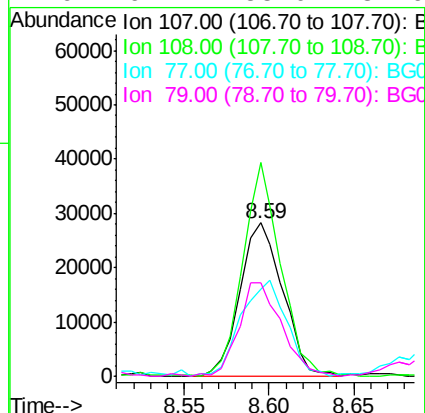
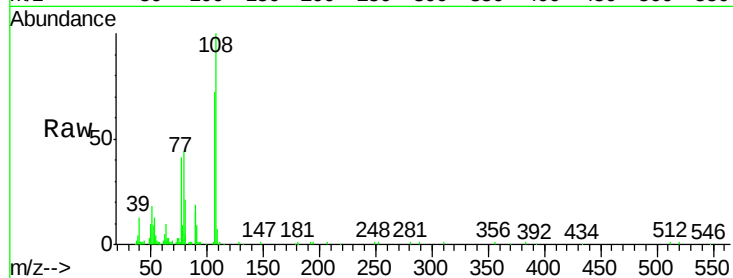




#17
2-Methylphenol
Concen: 5.58 ng
RT: 8.59 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

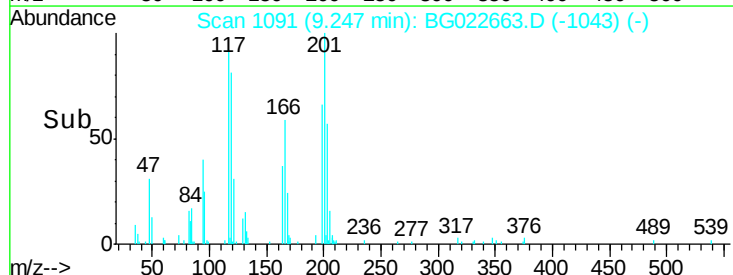
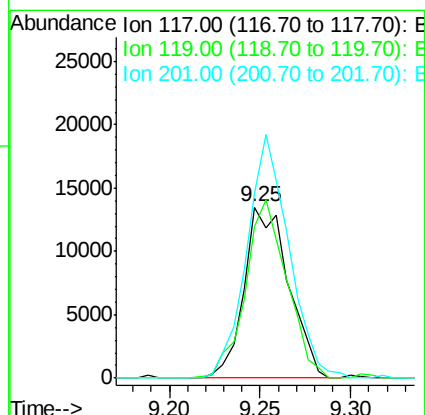
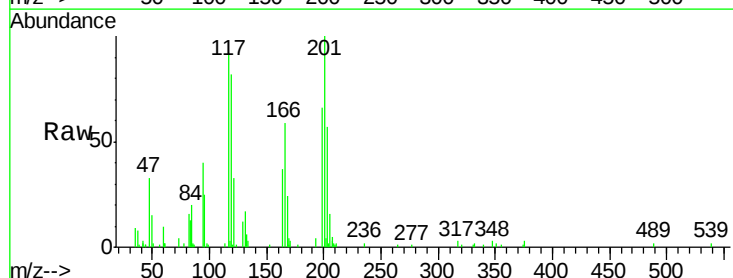
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

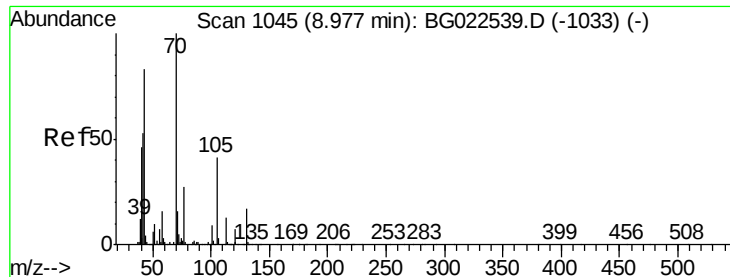
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	49620		
108	139.2	92.0	138.0	
77	56.8	55.8	83.6	
79	61.1	55.0	82.6	



#18
Hexachloroethane
Concen: 4.88 ng
RT: 9.25 min Scan# 1091
Delta R.T. -0.02 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	23120		
119	89.8	73.7	110.5	
201	108.2	88.7	133.1	

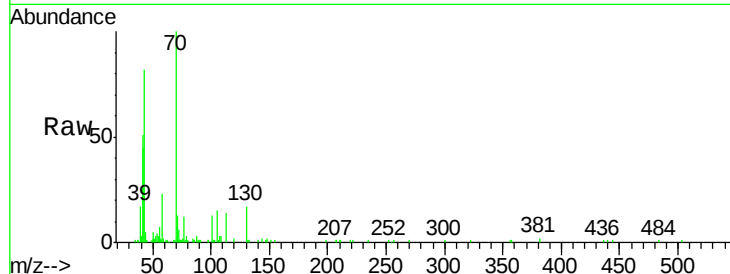




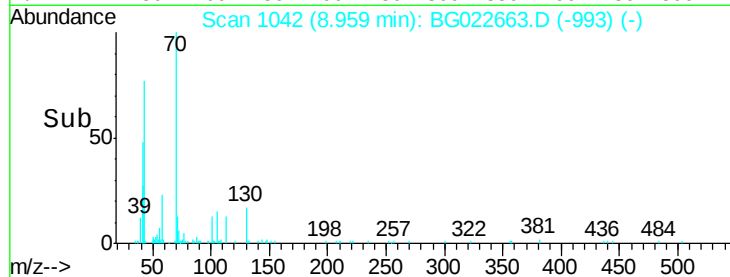
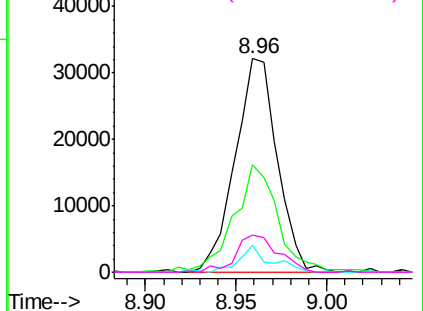
#19
n-Nitroso-di-n-propylamine
Concen: 4.89 ng
RT: 8.96 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	70	Resp:	51953
Ion	Ratio	Lower	Upper
70	100		
42	50.6	42.1	63.1
101	12.8	7.2	10.8
130	17.2	14.2	21.2

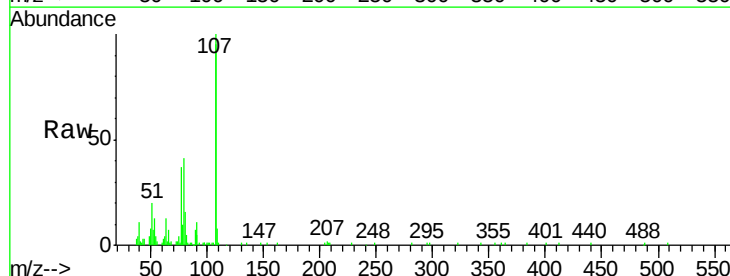
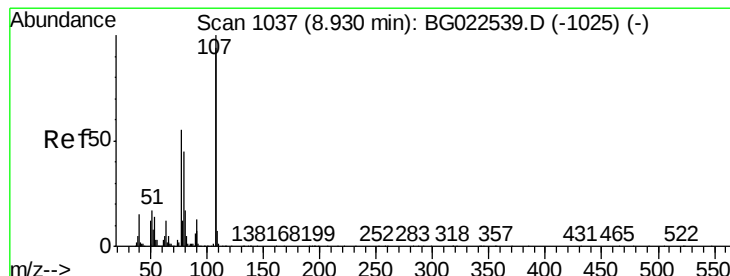


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

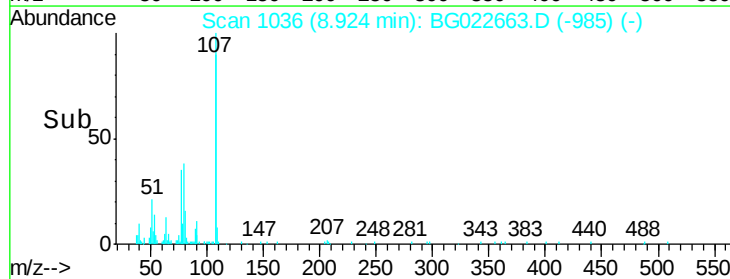
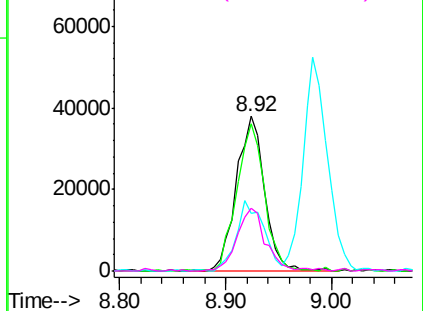


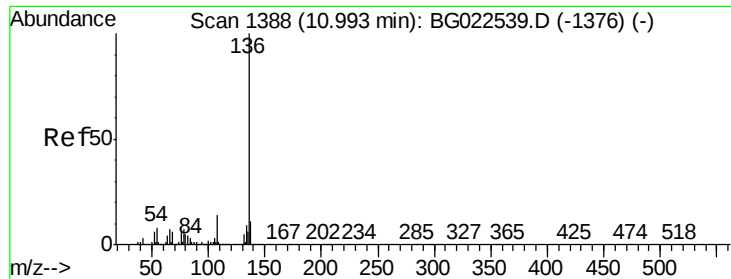
#20
3+4-Methylphenols
Concen: 5.70 ng
RT: 8.92 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:	107	Resp:	69807
Ion	Ratio	Lower	Upper
107	100		
108	94.9	72.5	112.5
77	37.0	30.1	70.1
79	40.6	24.2	64.2



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

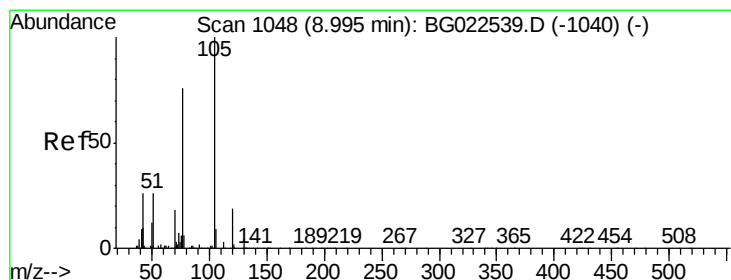
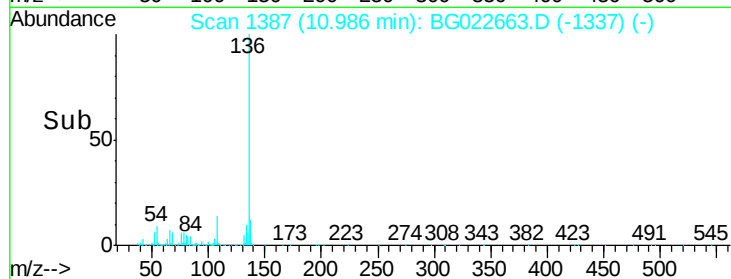
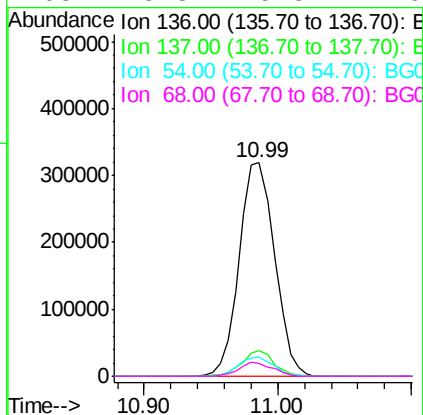
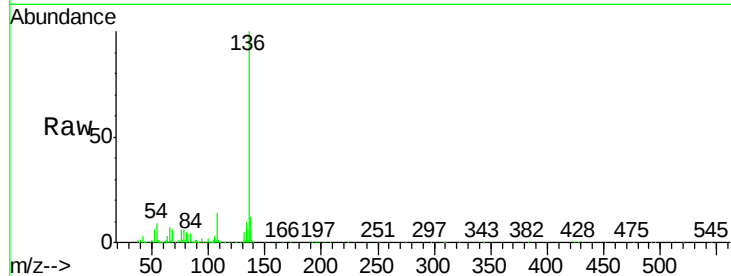




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.99 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

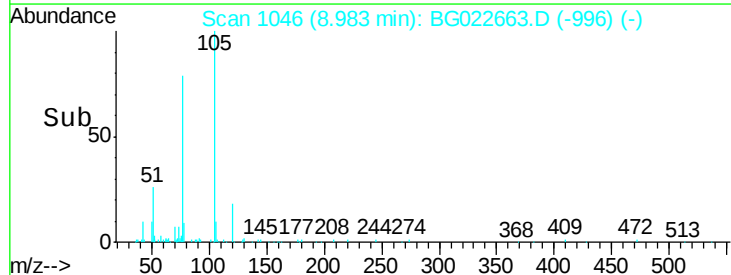
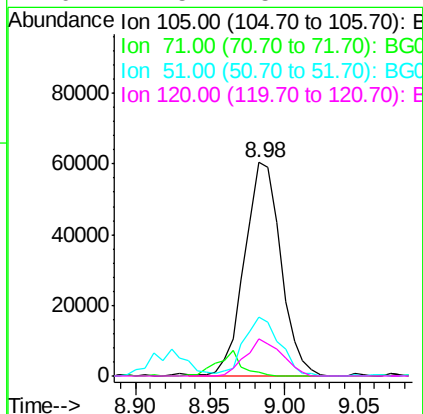
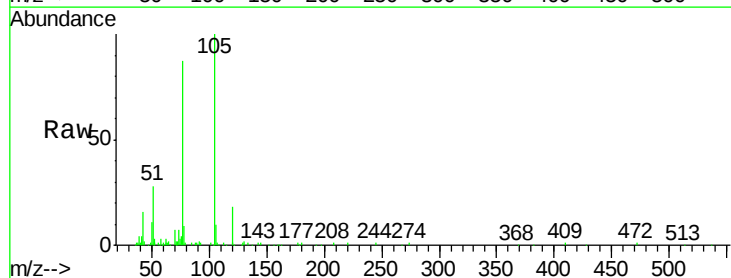
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

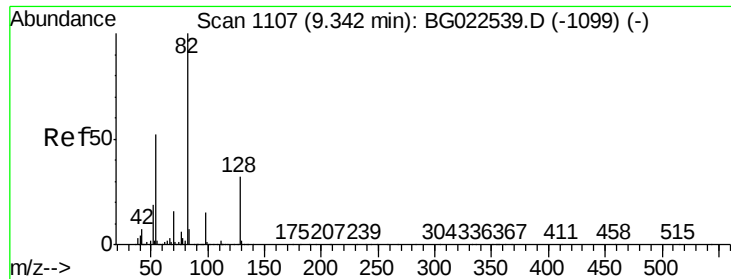
Tgt Ion:	136	Resp:	584666
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.6	14.4
54	9.0	7.3	10.9
68	5.8	5.3	7.9



#22
Acetophenone
Concen: 6.02 ng
RT: 8.98 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:	105	Resp:	101807
Ion	Ratio	Lower	Upper
105	100		
71	1.5	2.6	3.8#
51	27.6	27.1	40.7
120	17.5	15.1	22.7

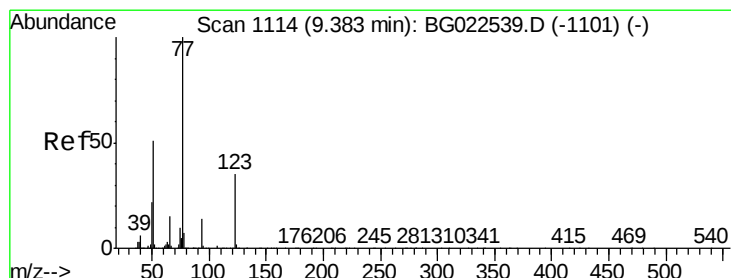
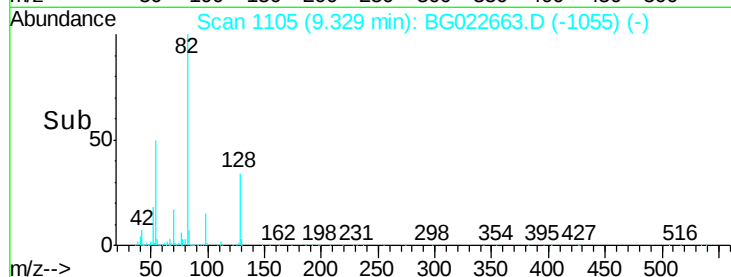
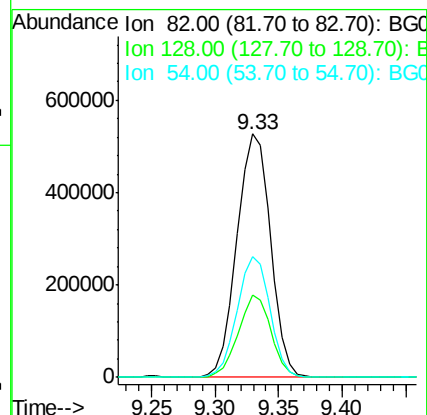
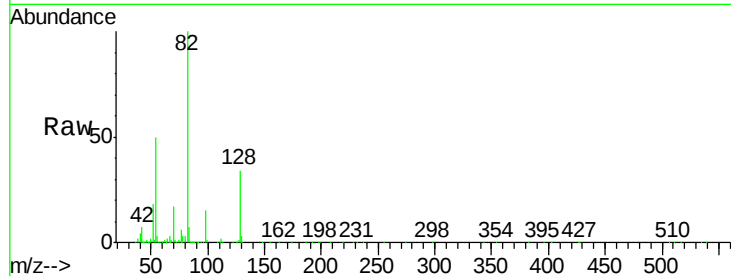




#23
 Nitrobenzene-d5
 Concen: 69.98 ng
 RT: 9.33 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

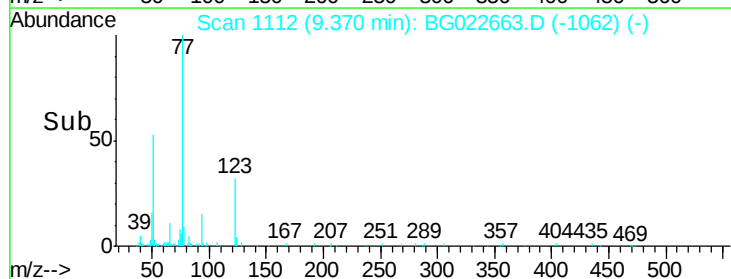
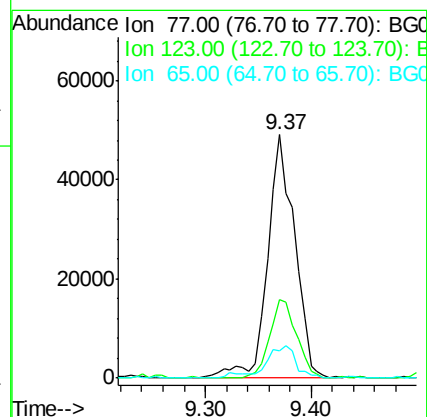
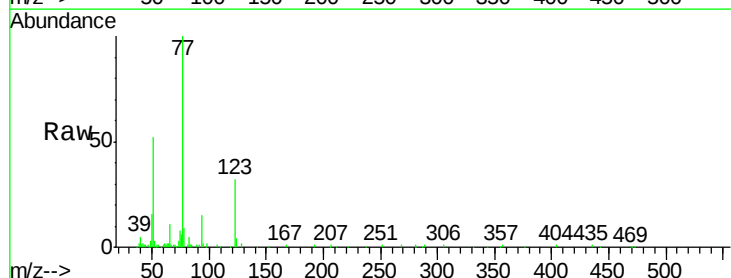
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

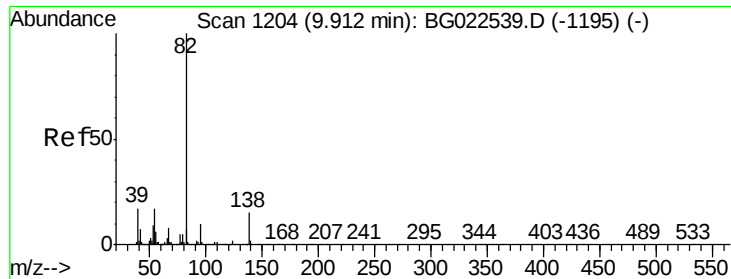
Tgt Ion: 82 Resp: 966660
 Ion Ratio Lower Upper
 82 100
 128 33.9 24.4 36.6
 54 49.7 41.4 62.0



#24
 Nitrobenzene
 Concen: 5.73 ng
 RT: 9.37 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion: 77 Resp: 87423
 Ion Ratio Lower Upper
 77 100
 123 32.4 25.0 37.6
 65 11.4 13.4 20.0#

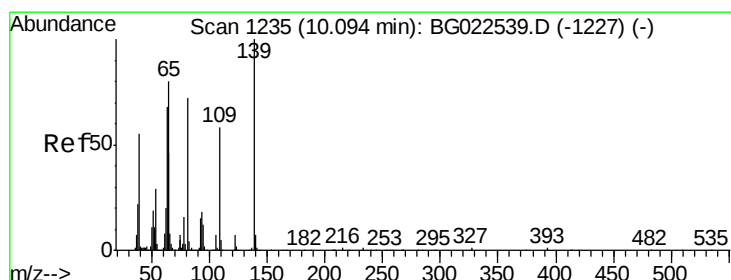
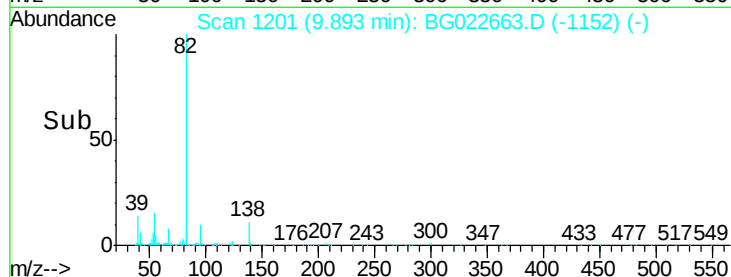
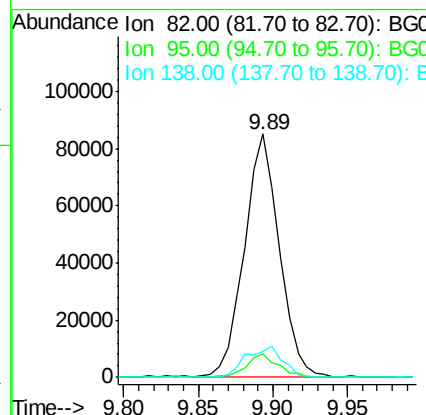
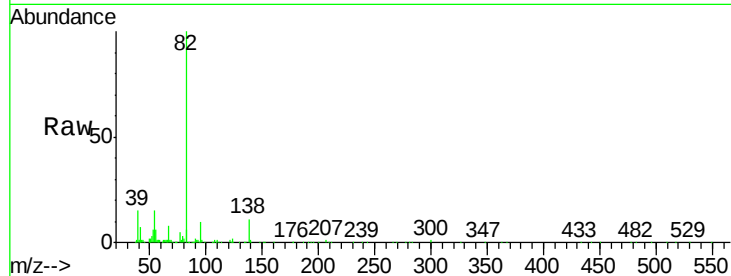




#25
Isophorone
Concen: 5.14 ng
RT: 9.89 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

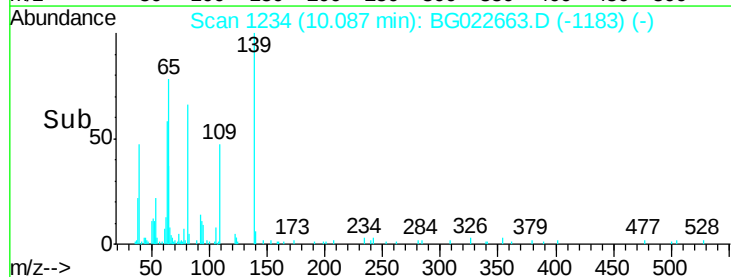
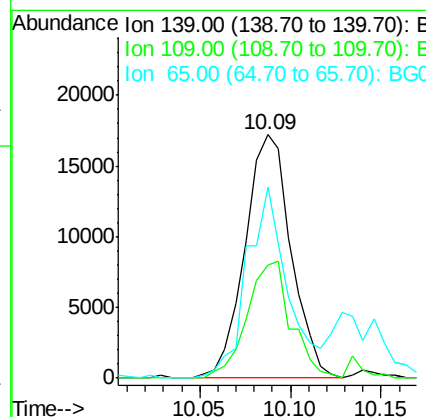
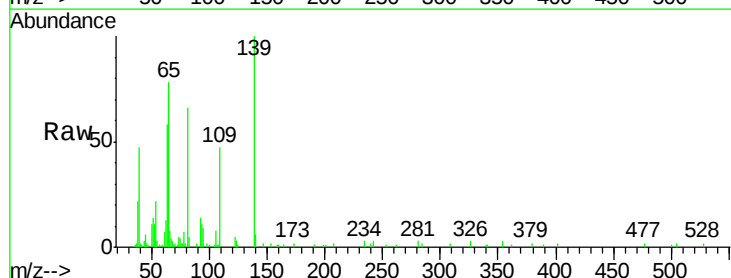
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

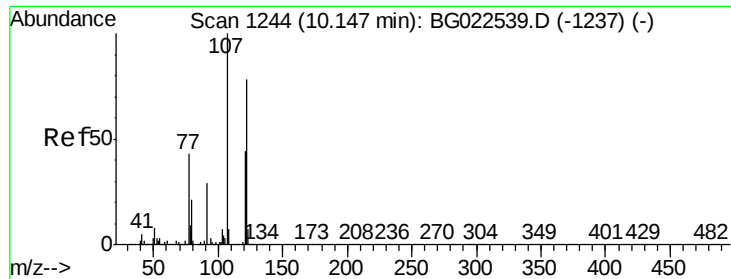
Tgt Ion: 82 Resp: 137858
Ion Ratio Lower Upper
82 100
95 9.7 8.2 12.2
138 10.8 10.7 16.1



#26
2-Nitrophenol
Concen: 5.56 ng
RT: 10.09 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion: 139 Resp: 30576
Ion Ratio Lower Upper
139 100
109 46.6 43.5 65.3
65 78.4 64.3 96.5

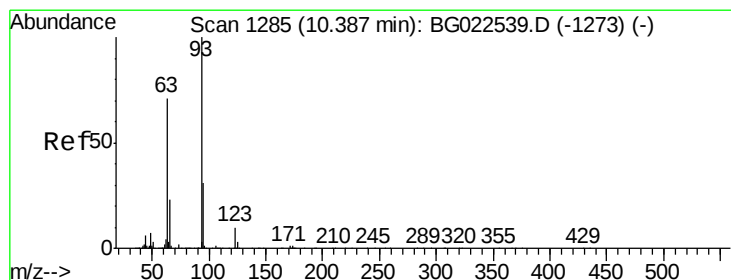
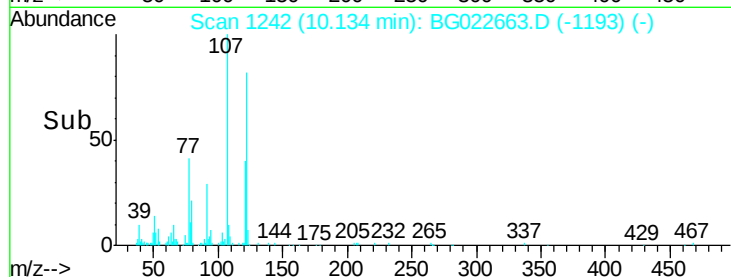
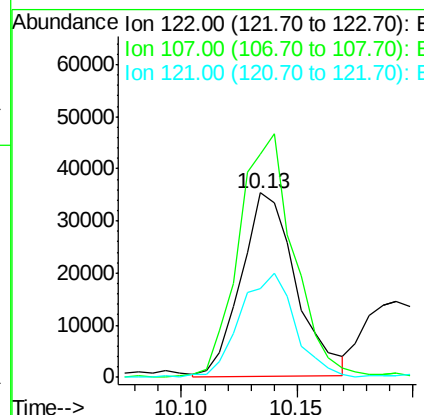
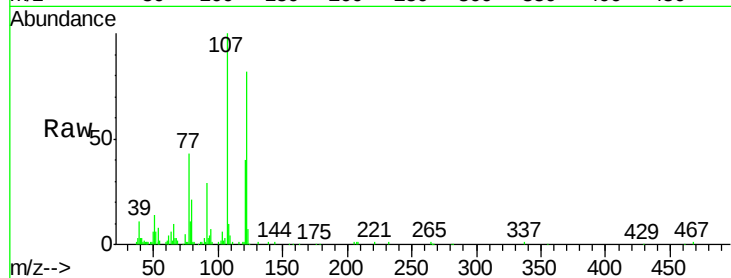




#27
2,4-Dimethylphenol
Concen: 5.54 ng
RT: 10.13 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

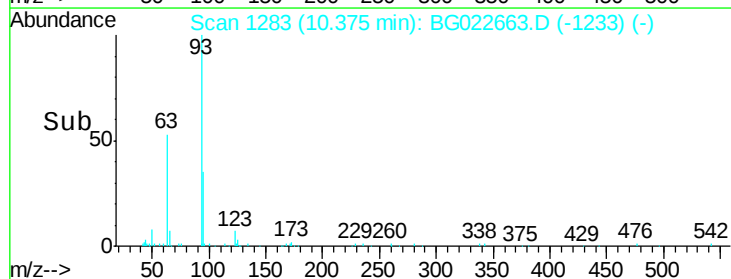
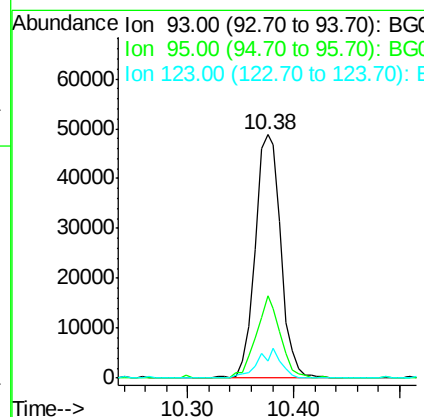
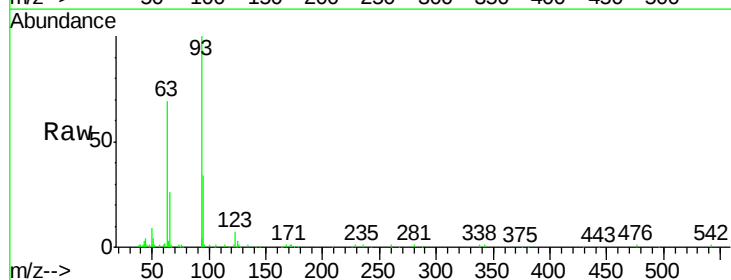
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

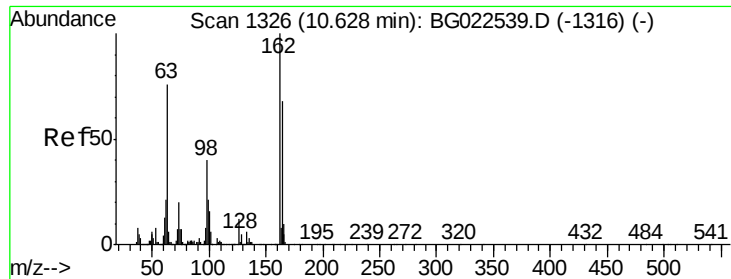
Tgt Ion: 122 Resp: 58243
Ion Ratio Lower Upper
122 100
107 121.2 117.0 175.4
121 48.5 50.1 75.1#



#28
bis(2-Chloroethoxy)methane
Concen: 5.66 ng
RT: 10.38 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion: 93 Resp: 82881
Ion Ratio Lower Upper
93 100
95 34.0 25.4 38.2
123 6.8 8.2 12.2#

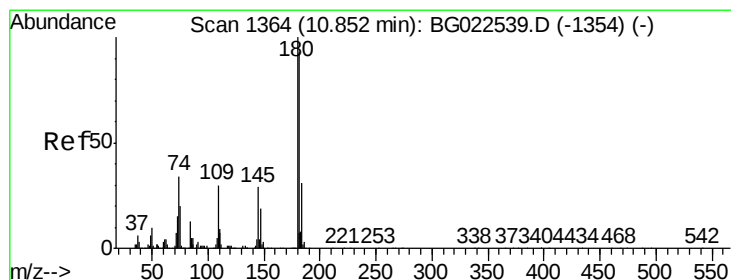
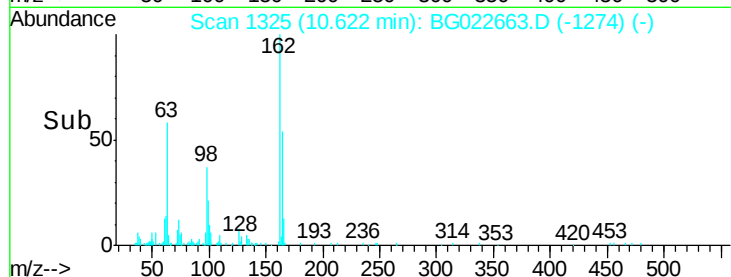
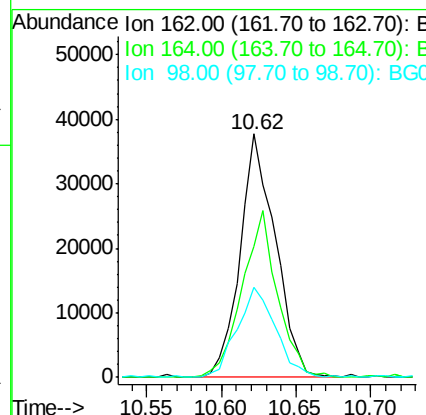
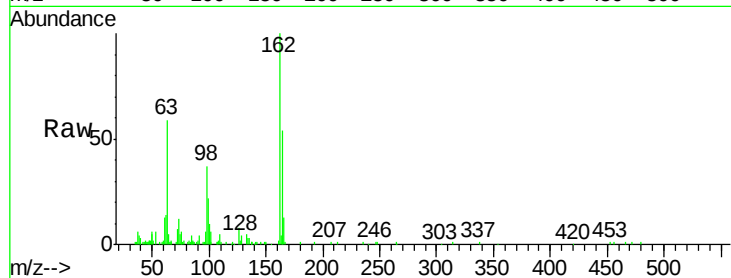




#29
2,4-Dichlorophenol
Concen: 6.04 ng
RT: 10.62 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

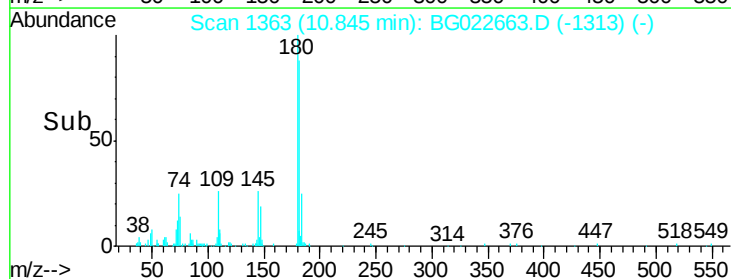
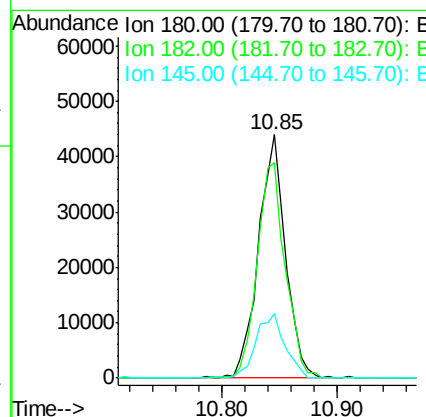
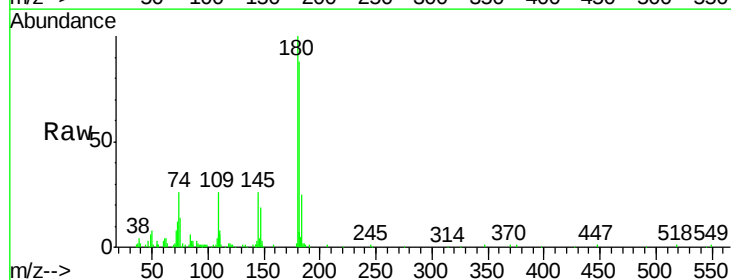
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

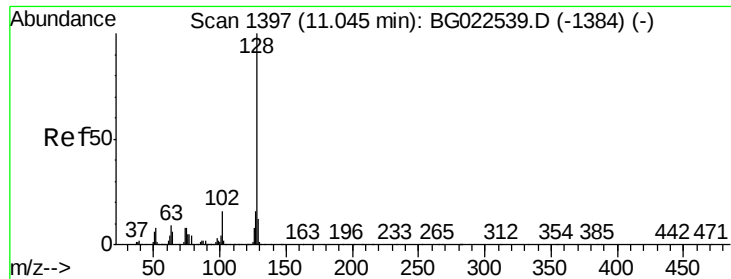
Tgt Ion	Ratio	Lower	Upper
162	100		
164	53.6	44.3	84.3
98	36.9	19.5	59.5



#30
1,2,4-Trichlorobenzene
Concen: 5.93 ng
RT: 10.85 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.3	73.8	110.8
145	26.5	24.4	36.6

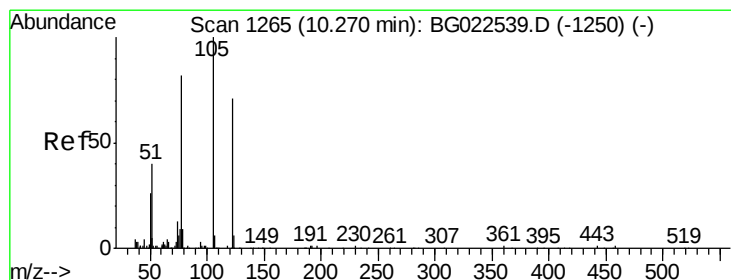
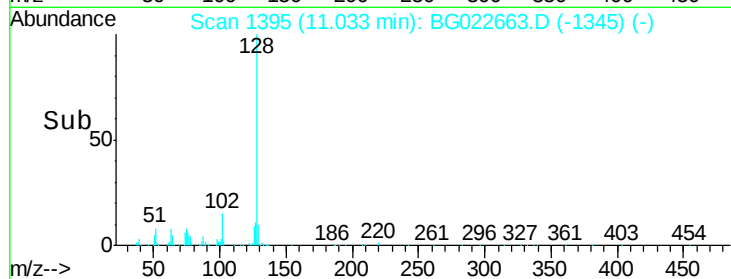
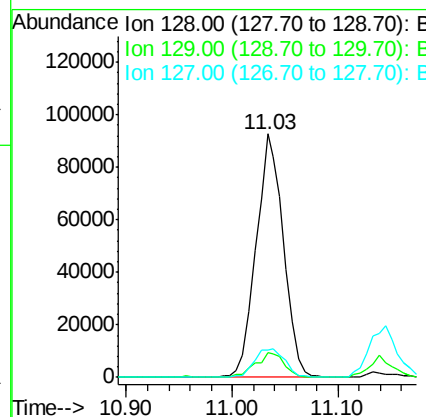
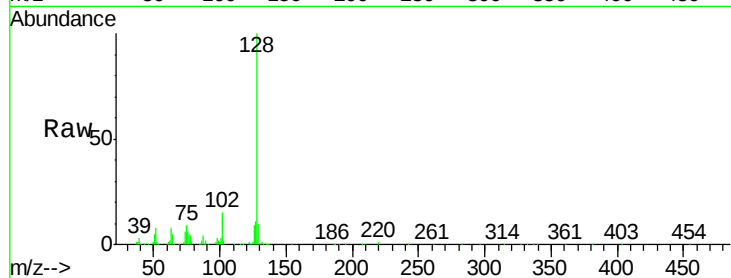




#31
Naphthalene
Concen: 5.68 ng
RT: 11.03 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

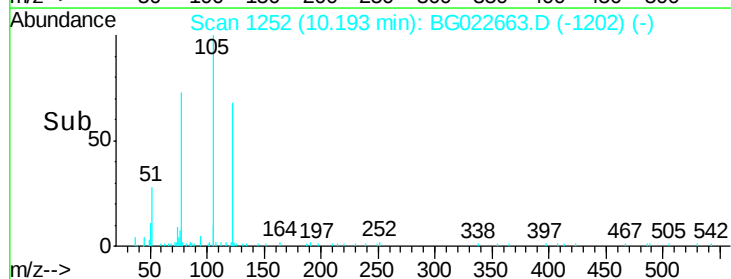
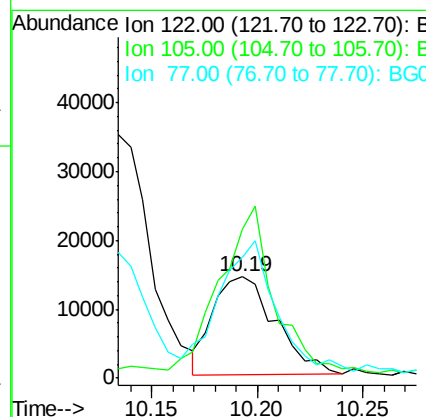
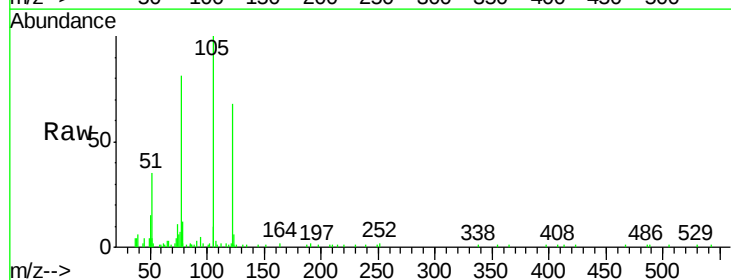
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

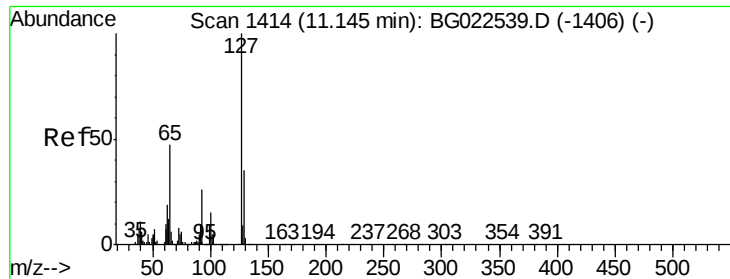
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.4	14.0
127	11.2	11.3	16.9#



#32
Benzoic acid
Concen: 8.93 ng
RT: 10.19 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	147.5	117.2	157.2
77	119.2	109.2	149.2

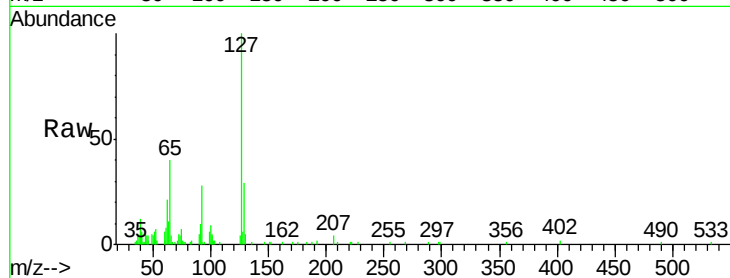




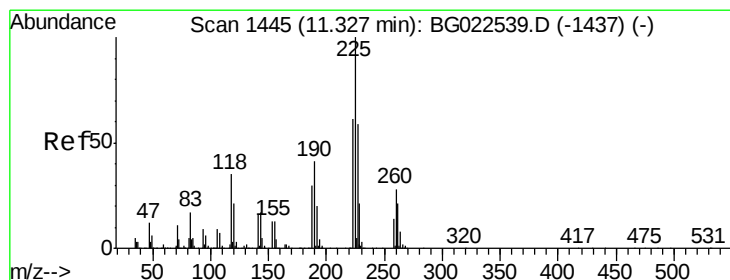
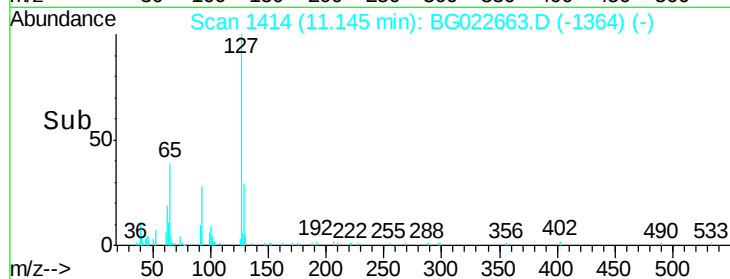
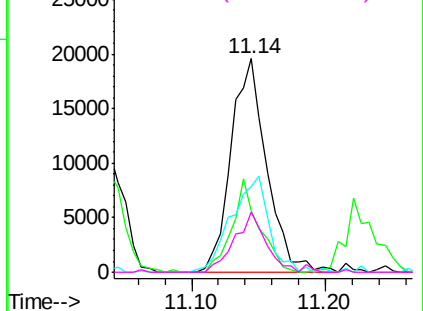
#33
4-Chloroaniline
Concen: 2.87 ng
RT: 11.14 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion:	127	Resp:	36333
Ion	Ratio	Lower	Upper
127	100		
129	29.1	27.9	41.9
65	40.3	36.8	55.2
92	28.1	21.0	31.6

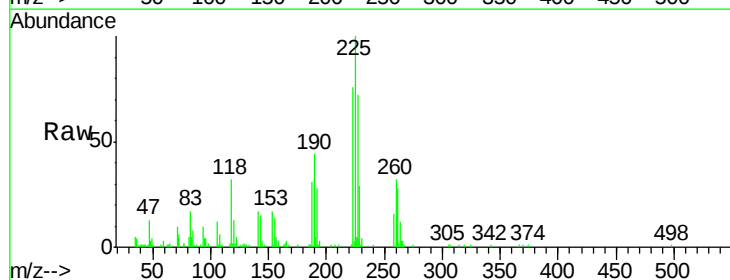


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

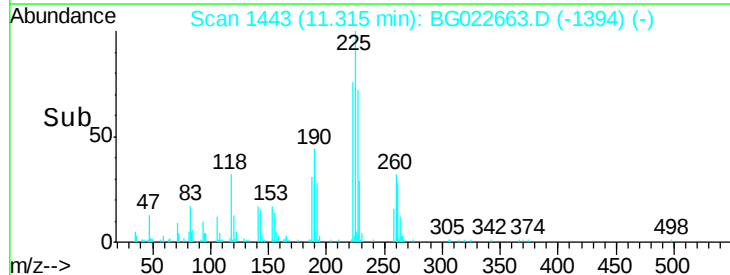
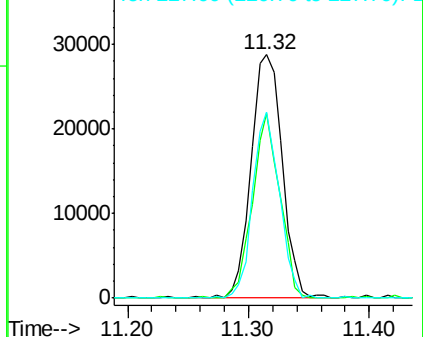


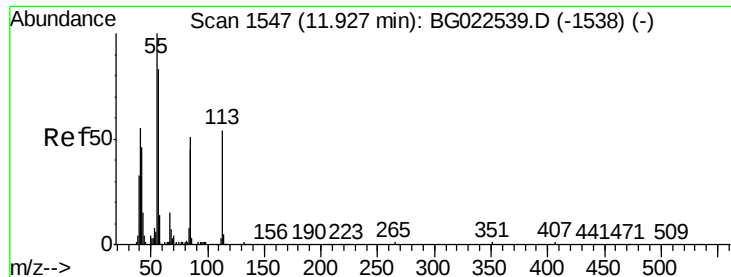
#34
Hexachlorobutadiene
Concen: 5.52 ng
RT: 11.32 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:	225	Resp:	52125
Ion	Ratio	Lower	Upper
225	100		
223	75.5	49.6	74.4#
227	73.2	54.5	81.7



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 5.88 ng

RT: 11.89 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

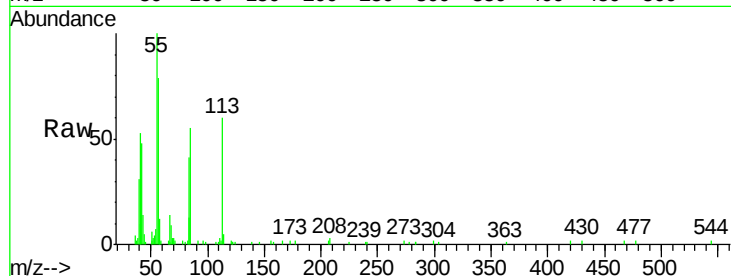
Tgt Ion:113 Resp: 18967

Ion Ratio Lower Upper

113 100

55 167.6 154.5 194.5

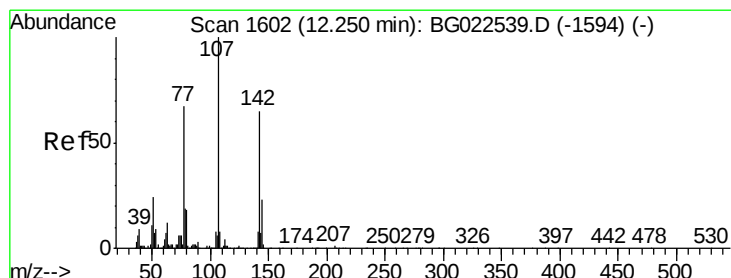
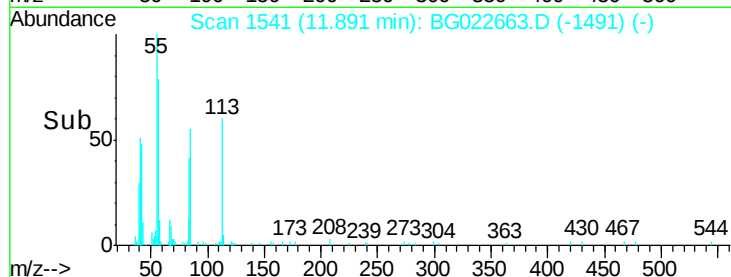
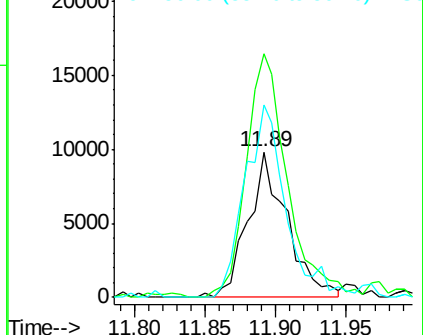
56 132.4 125.1 165.1



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: 6.13 ng

RT: 12.24 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

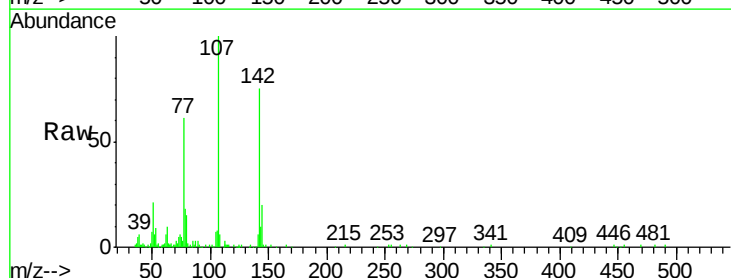
Tgt Ion:107 Resp: 77080

Ion Ratio Lower Upper

107 100

144 19.6 17.0 25.6

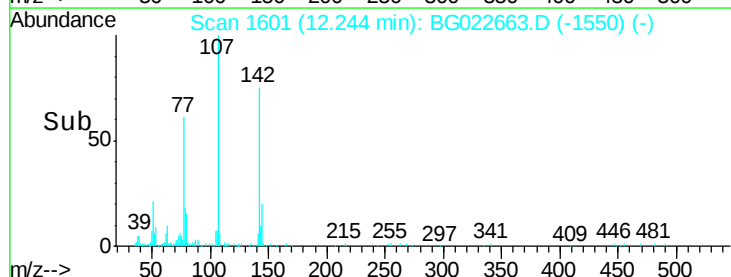
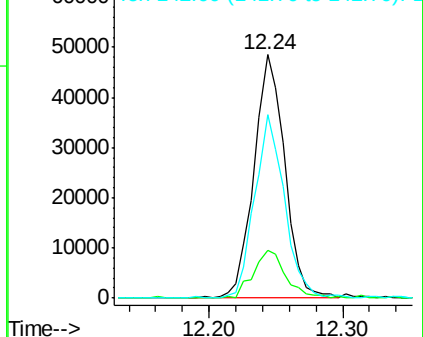
142 75.2 53.0 79.6

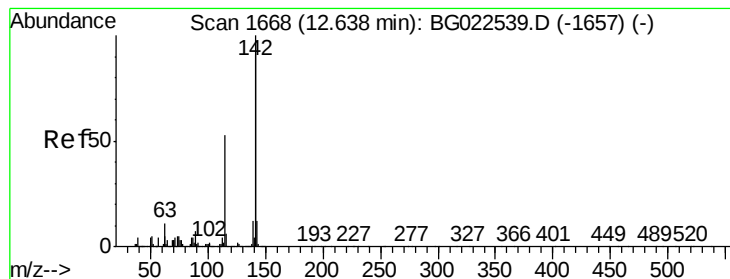


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 5.51 ng

RT: 12.63 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

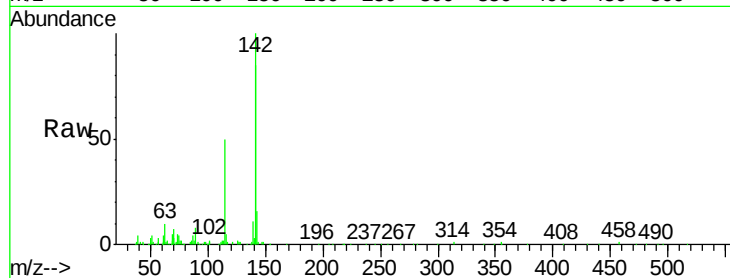
Tgt Ion:142 Resp: 125670

Ion Ratio Lower Upper

142 100

141 85.4 70.2 105.2

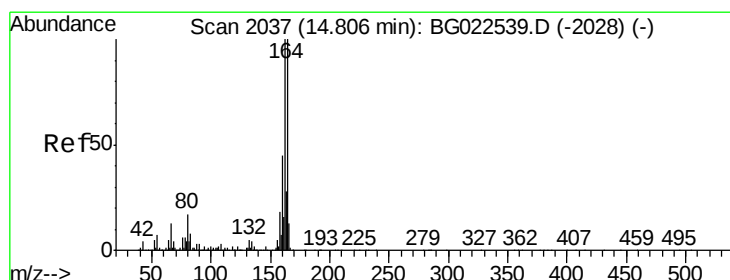
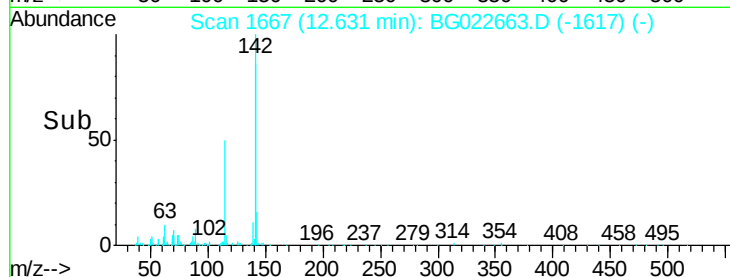
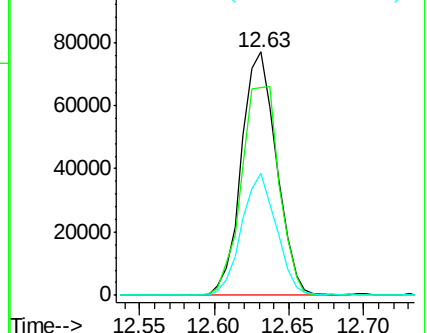
115 50.0 41.7 62.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.79 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

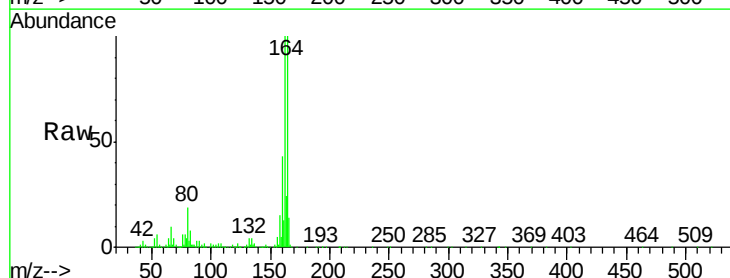
Tgt Ion:164 Resp: 434531

Ion Ratio Lower Upper

164 100

162 100.4 87.7 131.5

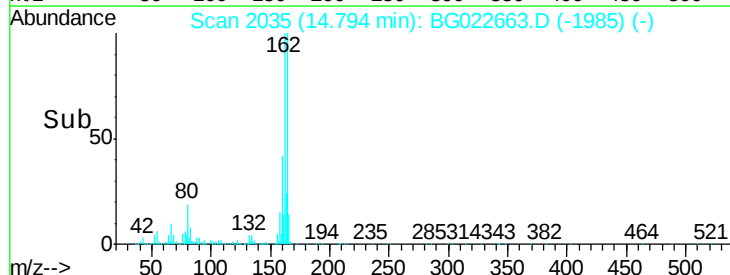
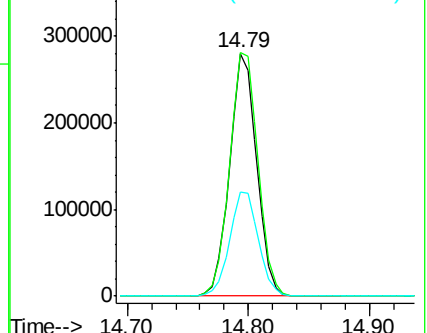
160 42.9 37.2 55.8

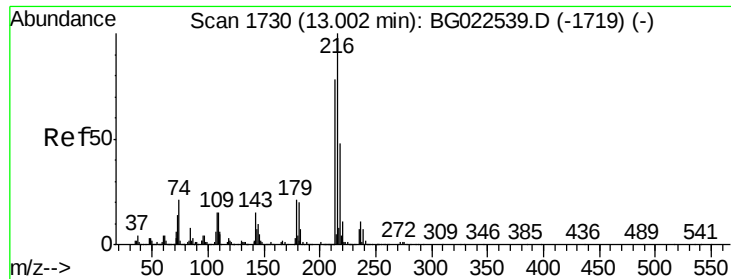


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

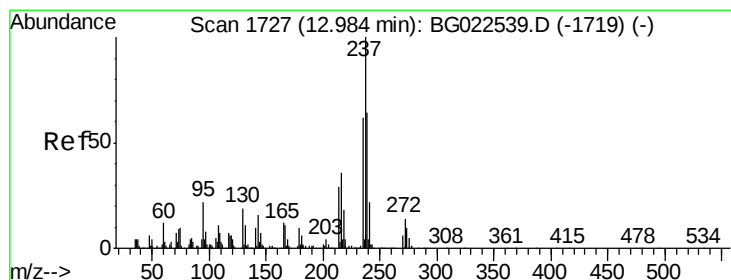
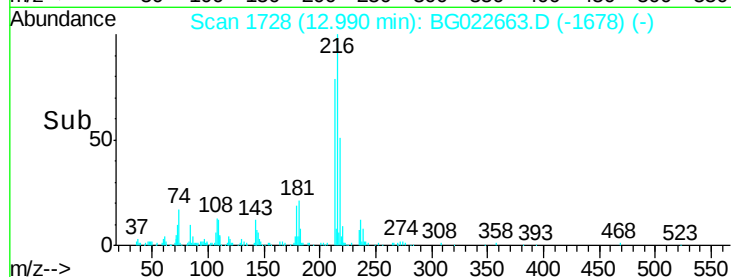
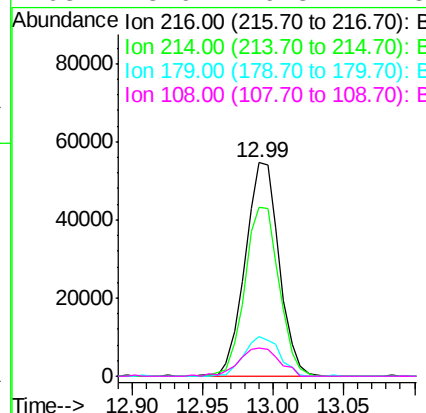
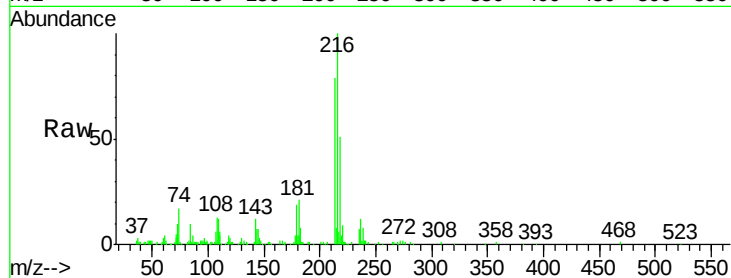




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.60 ng
 RT: 12.99 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

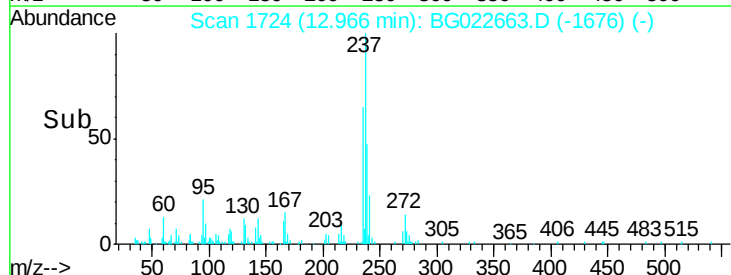
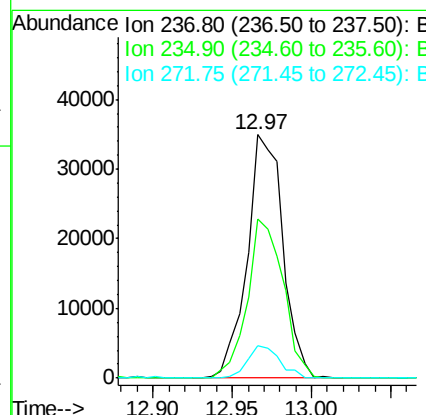
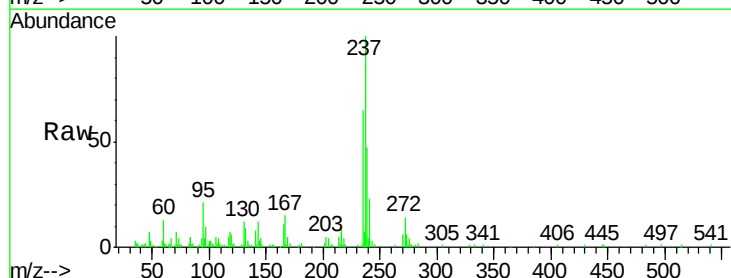
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

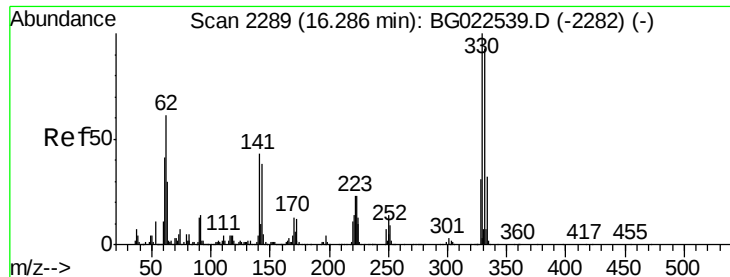
Tgt Ion:	216	Resp:	91838
Ion Ratio	Lower	Upper	
216	100		
214	79.5	62.9	94.3
179	19.3	17.2	25.8
108	15.9	16.3	24.5#



#40
 Hexachlorocyclopentadiene
 Concen: 4.16 ng
 RT: 12.97 min Scan# 1724
 Delta R.T. -0.02 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion:	237	Resp:	54446
Ion Ratio	Lower	Upper	
237	100		
235	65.2	43.1	83.1
272	13.5	0.0	30.9

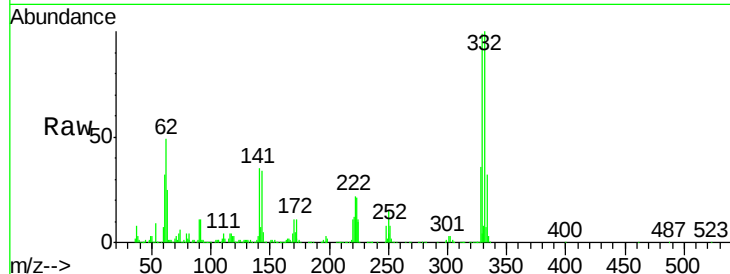




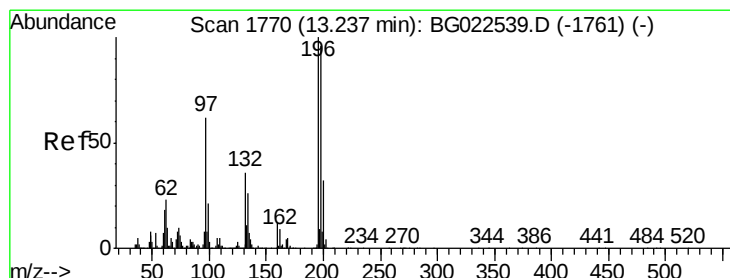
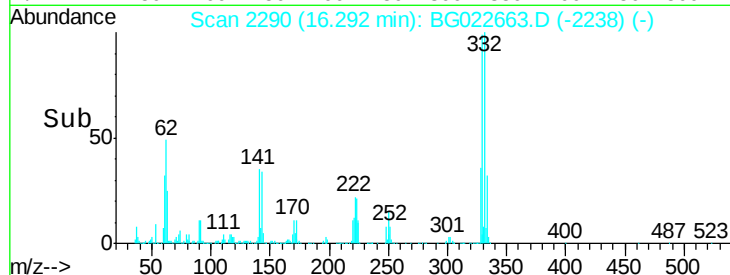
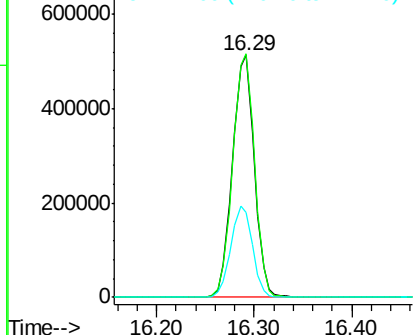
#41
 2,4,6-Tribromophenol
 Concen: 116.72 ng
 RT: 16.29 min Scan# 2290
 Delta R.T. 0.00 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

Tgt Ion:330 Resp: 797731
 Ion Ratio Lower Upper
 330 100
 332 99.8 77.4 116.2
 141 37.5 31.7 47.5

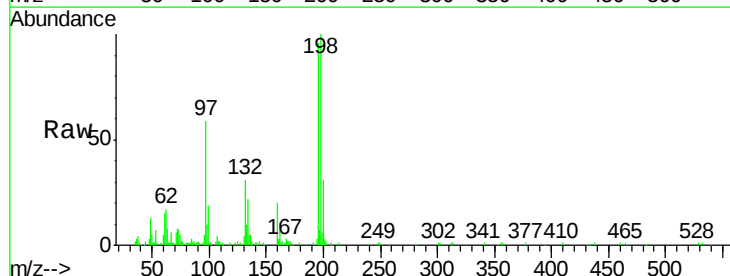


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

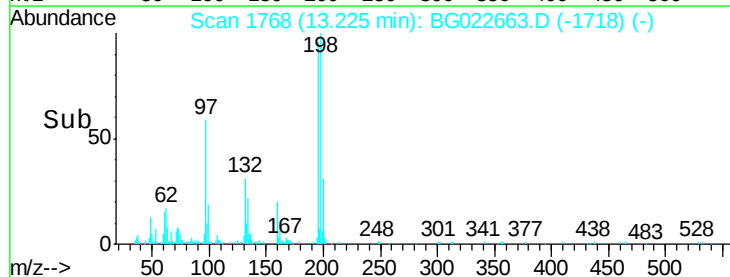
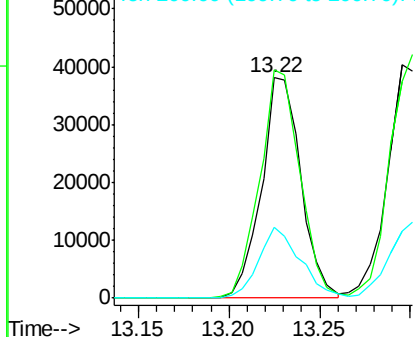


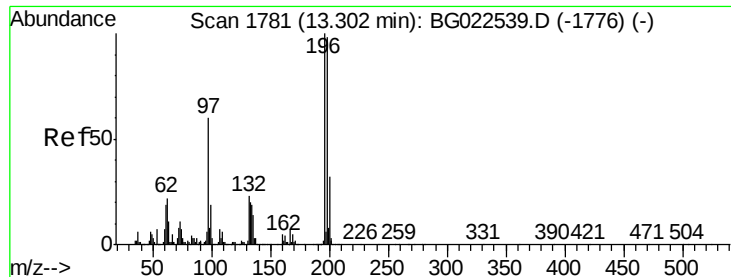
#42
 2,4,6-Trichlorophenol
 Concen: 5.49 ng
 RT: 13.22 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion:196 Resp: 57703
 Ion Ratio Lower Upper
 196 100
 198 103.7 78.2 117.2
 200 32.2 27.0 40.4



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

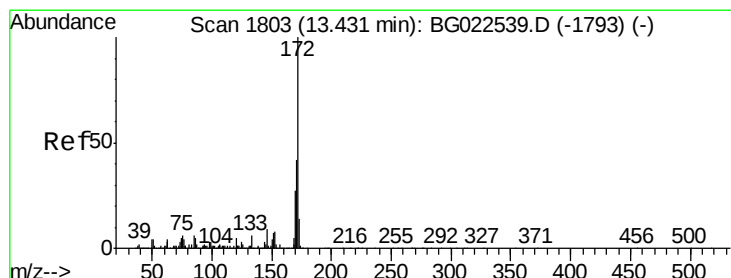
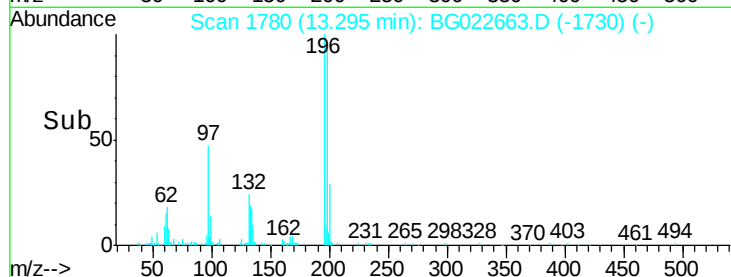
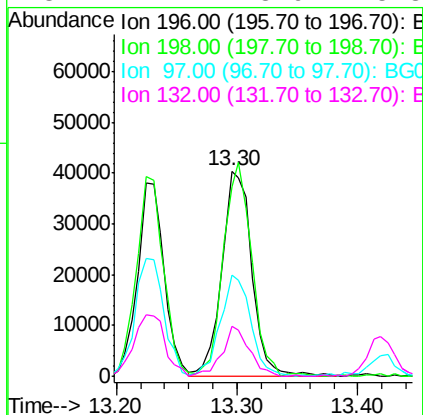
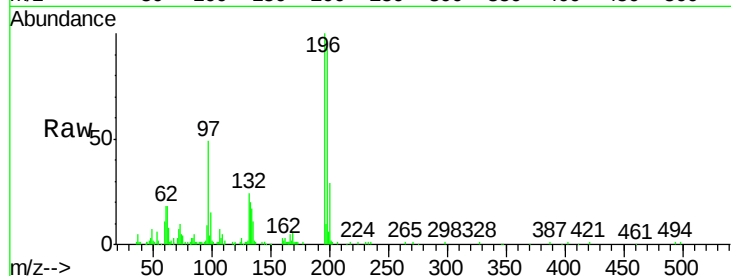




#43
2,4,5-Trichlorophenol
Concen: 6.34 ng
RT: 13.30 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

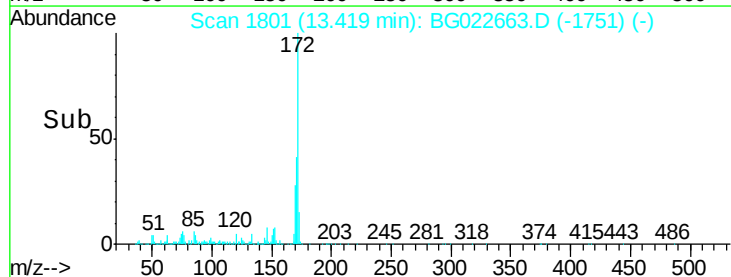
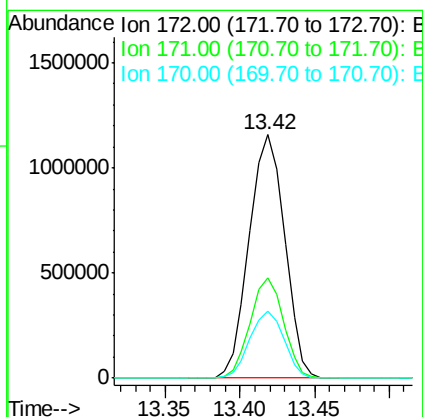
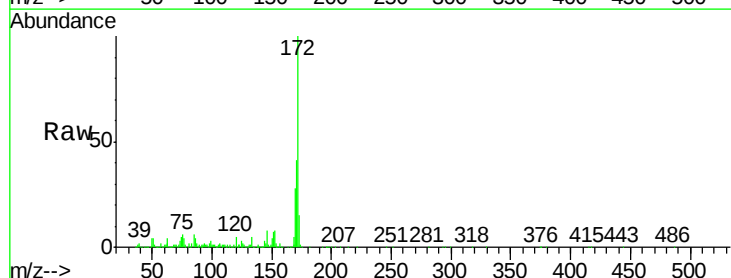
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

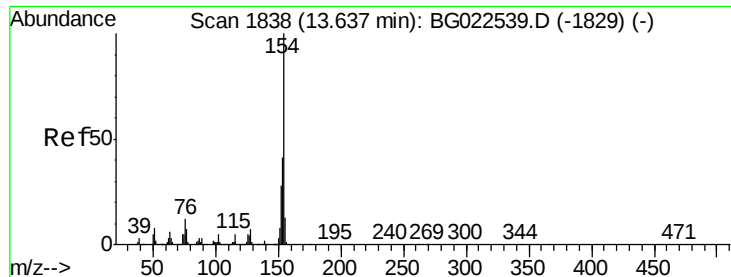
Tgt Ion:196 Resp: 69734
Ion Ratio Lower Upper
196 100
198 92.6 85.7 128.5
97 49.2 45.5 68.3
132 24.2 18.9 28.3



#44
2-Fluorobiphenyl
Concen: 69.52 ng
RT: 13.42 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:172 Resp: 1904864
Ion Ratio Lower Upper
172 100
171 41.3 31.6 47.4
170 27.6 21.3 31.9

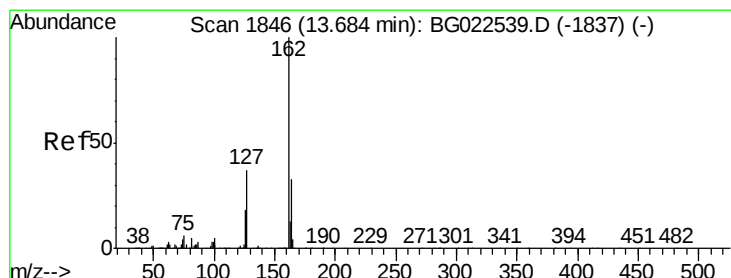
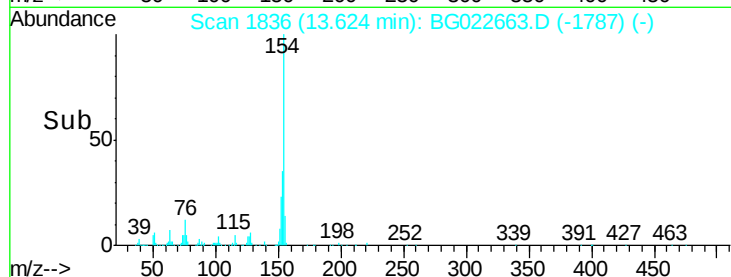
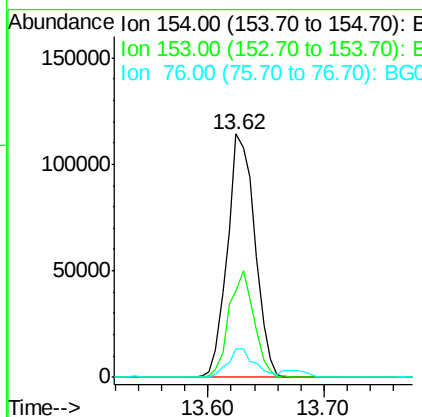
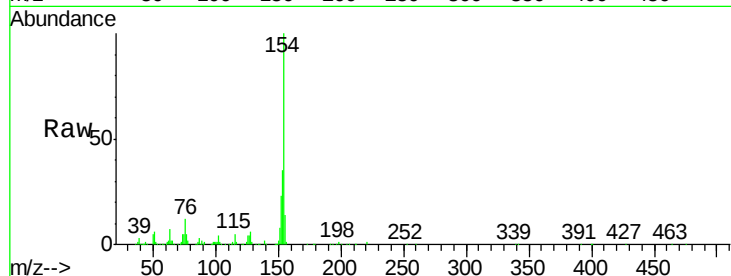




#45
 1,1'-Biphenyl
 Concen: 5.67 ng
 RT: 13.62 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

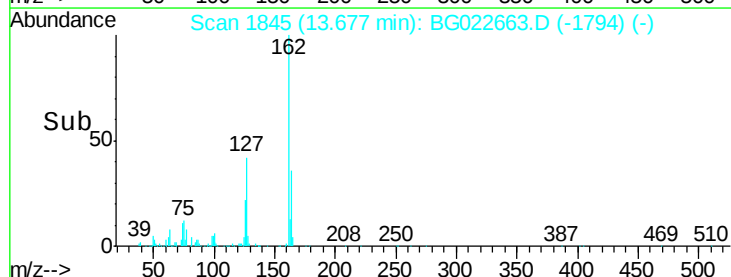
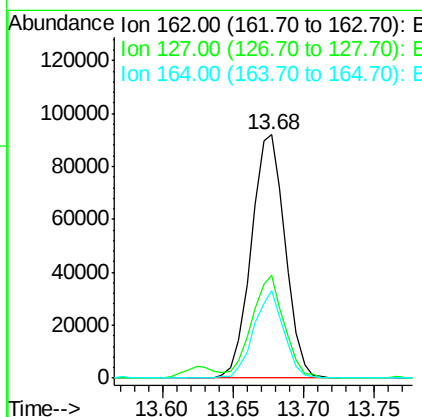
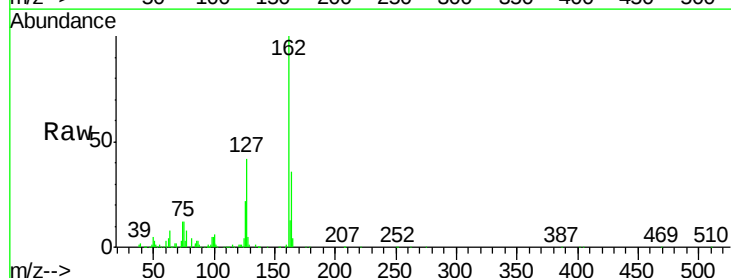
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

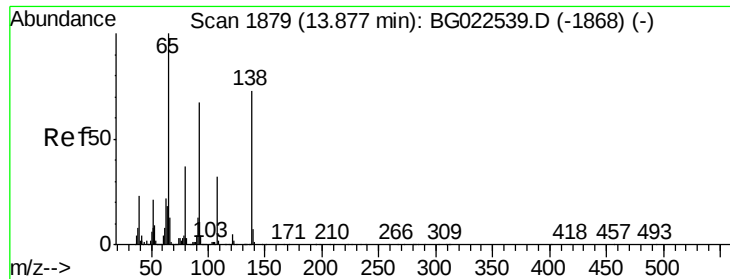
Tgt Ion	Ratio	Lower	Upper
154	100		
153	35.3	20.2	60.2
76	12.0	0.0	32.9



#46
 2-Chloronaphthalene
 Concen: 5.67 ng
 RT: 13.68 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.4	32.4	48.6
164	35.7	25.2	37.8





#47

2-Nitroaniline

Concen: 5.38 ng

RT: 13.87 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

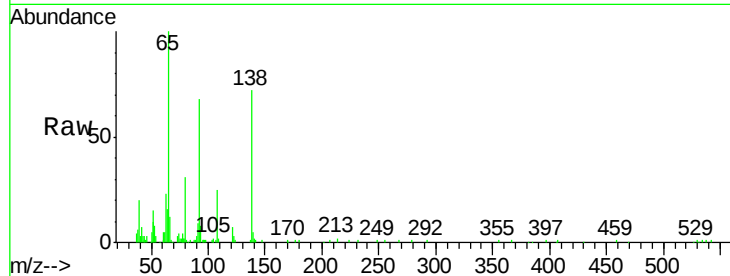
Tgt Ion: 65 Resp: 56541

Ion Ratio Lower Upper

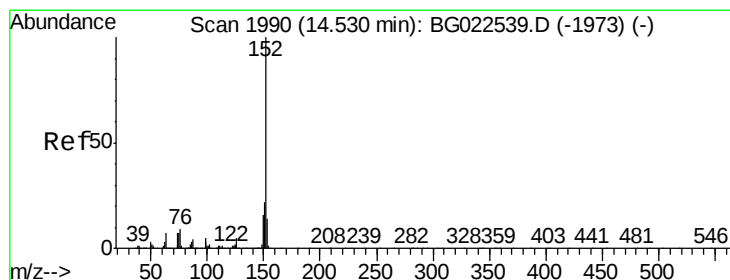
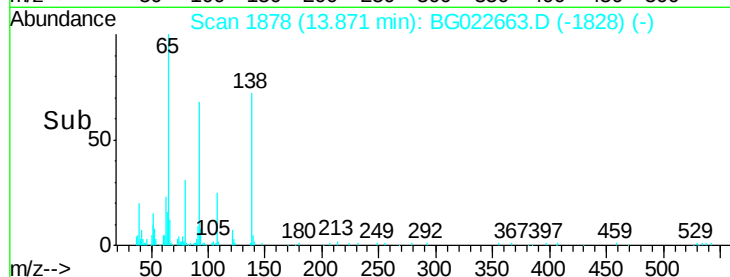
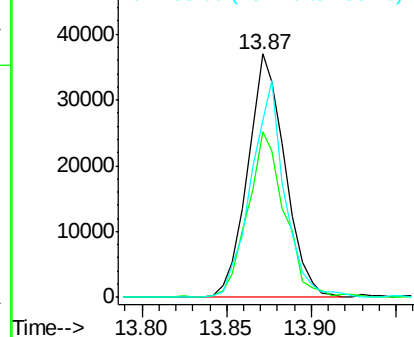
65 100

92 68.2 49.4 74.0

138 72.5 58.0 87.0



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: 5.80 ng

RT: 14.52 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

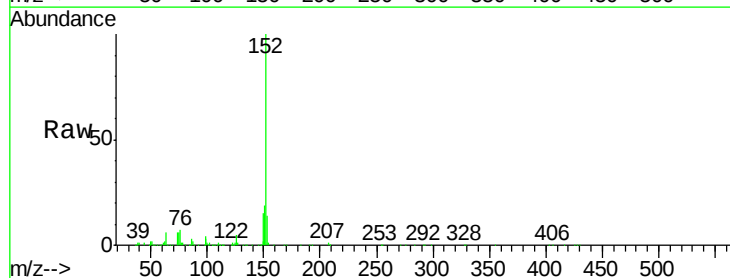
Tgt Ion: 152 Resp: 229114

Ion Ratio Lower Upper

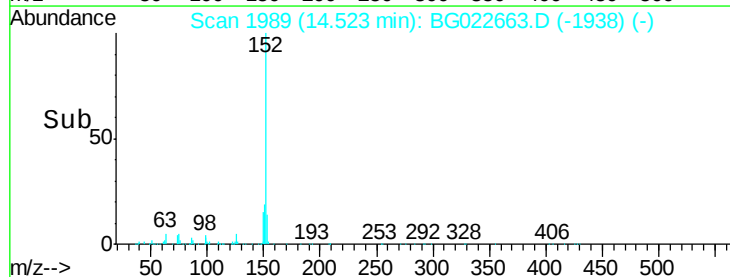
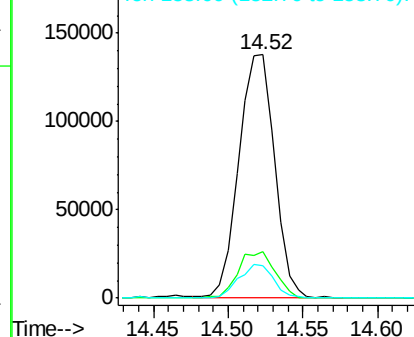
152 100

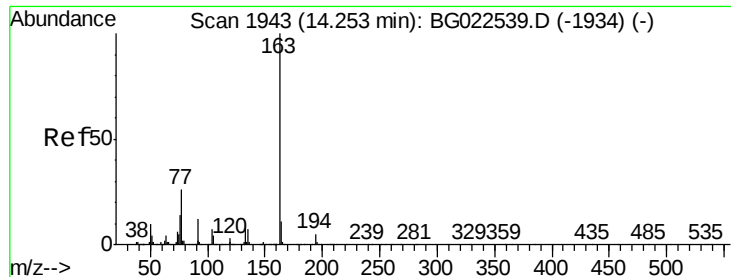
151 19.1 17.6 26.4

153 13.6 11.4 17.2



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: 6.00 ng

RT: 14.24 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

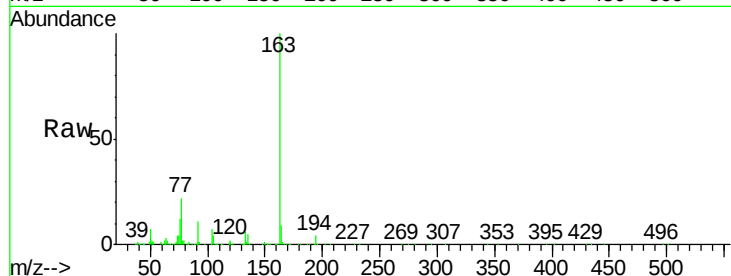
Tgt Ion:163 Resp: 216418

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

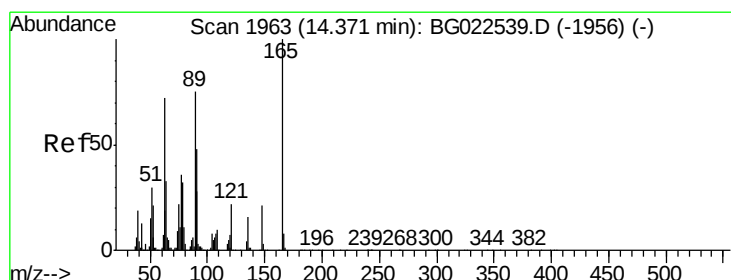
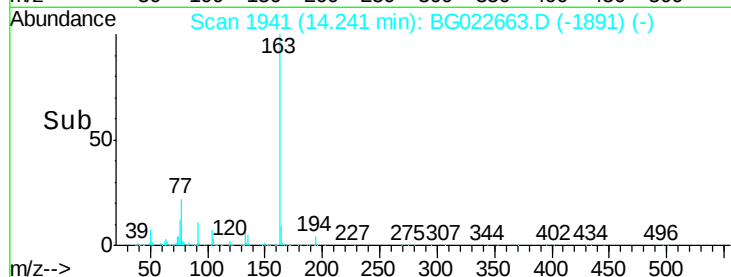
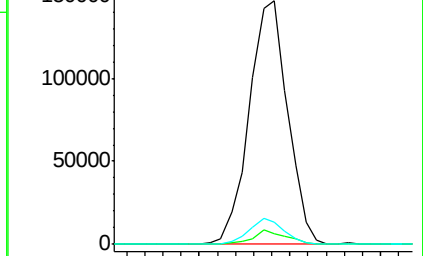
164 9.0 8.1 12.1



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: 5.61 ng

RT: 14.36 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

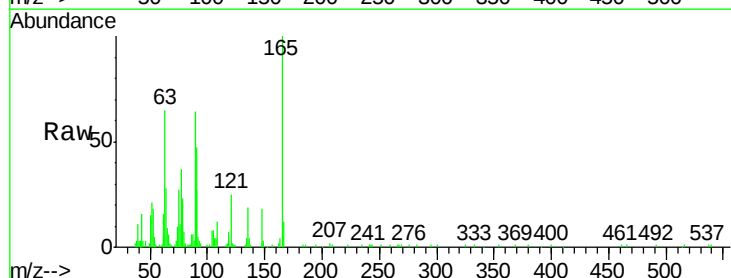
Tgt Ion:165 Resp: 43940

Ion Ratio Lower Upper

165 100

63 64.9 64.3 96.5

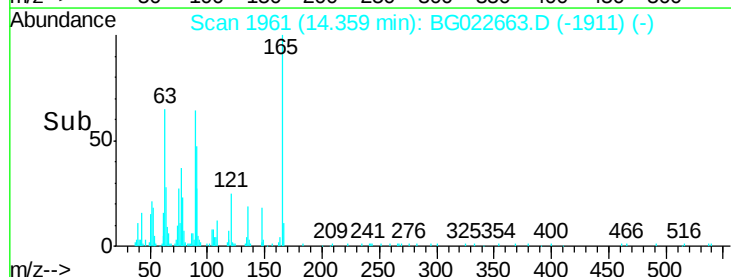
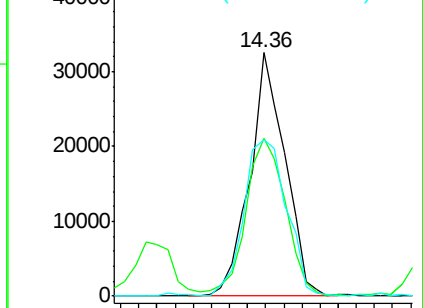
89 64.1 64.3 96.5#

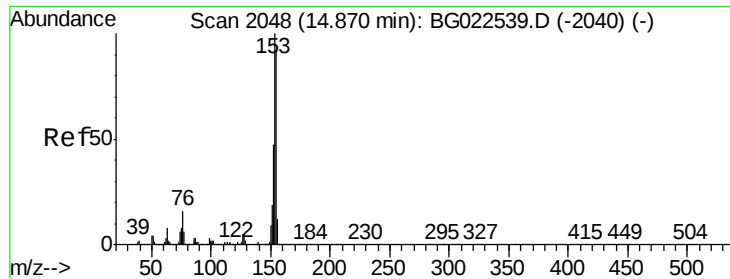


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 5.62 ng

RT: 14.86 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

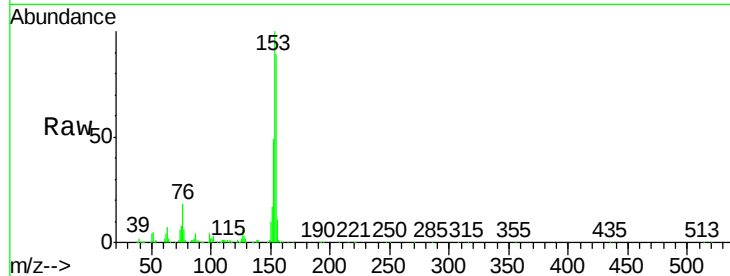
Tgt Ion:154 Resp: 163517

Ion Ratio Lower Upper

154 100

153 112.0 87.5 131.3

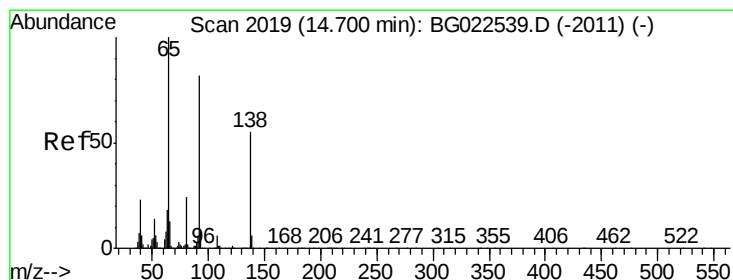
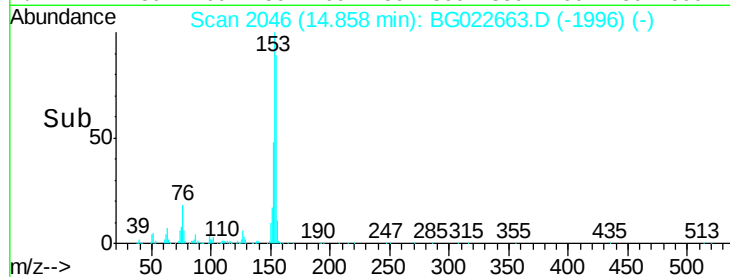
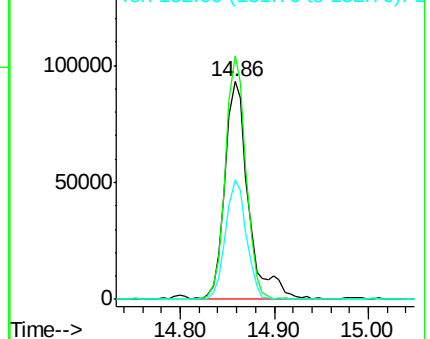
152 54.9 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.48 ng

RT: 14.70 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

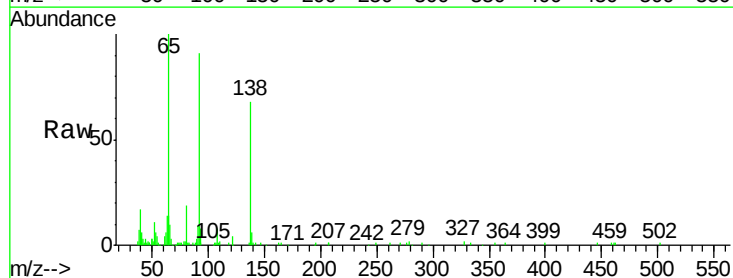
Tgt Ion:138 Resp: 40150

Ion Ratio Lower Upper

138 100

108 12.3 11.7 17.5

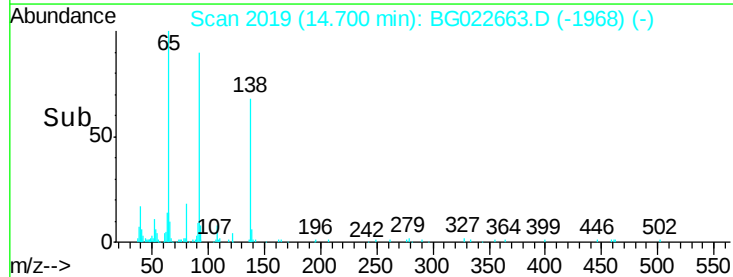
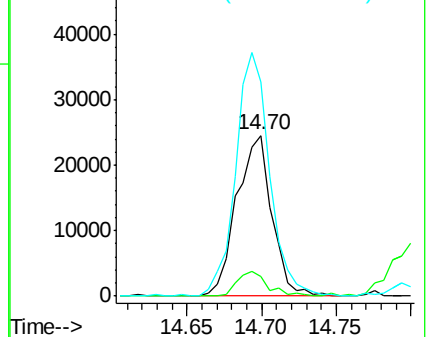
92 133.6 129.7 194.5

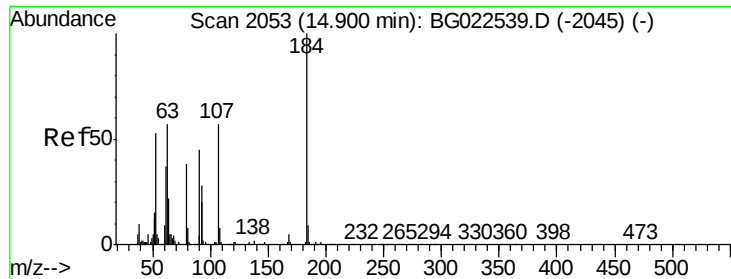


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

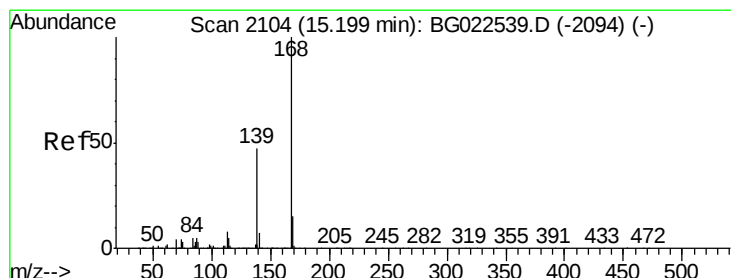
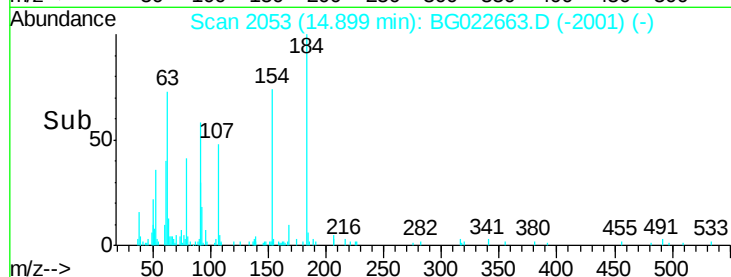
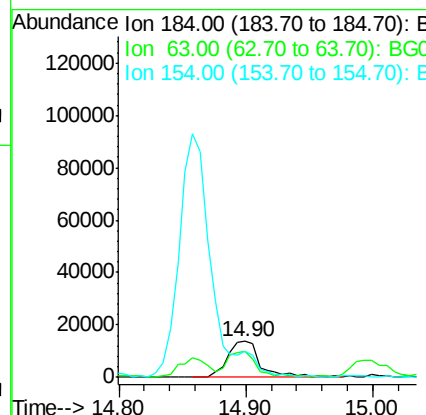
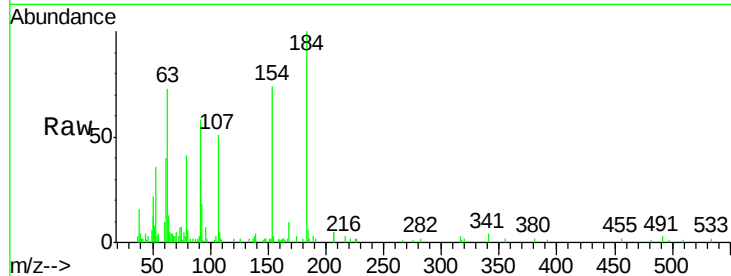




#53
2,4-Dinitrophenol
Concen: 5.13 ng
RT: 14.90 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

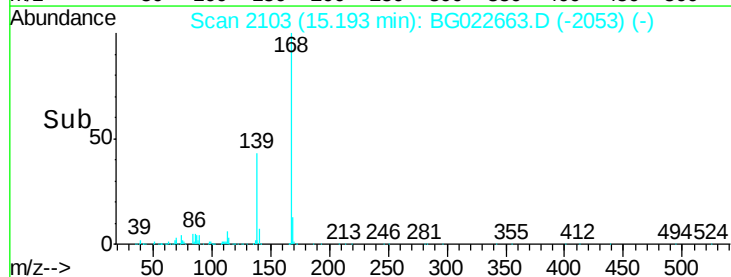
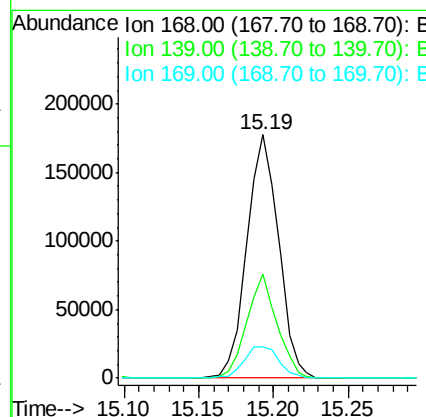
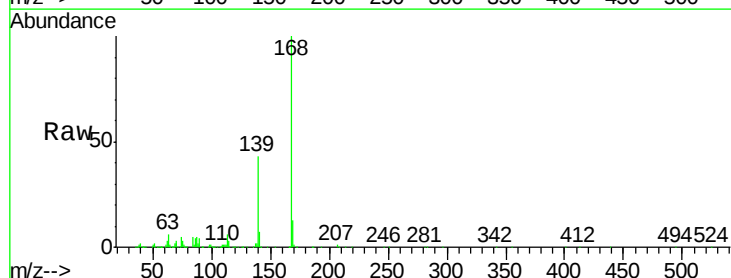
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

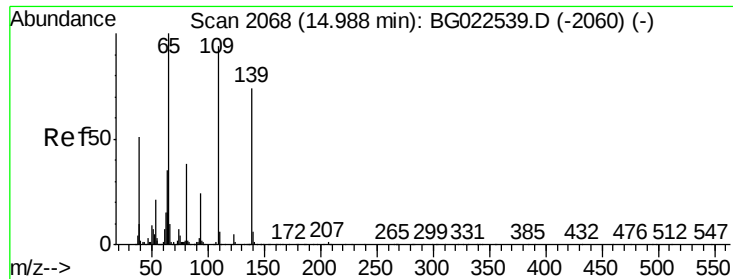
Tgt Ion:184 Resp: 24771
Ion Ratio Lower Upper
184 100
63 73.0 59.6 89.4
154 74.3 67.4 101.0



#54
Dibenzofuran
Concen: 6.19 ng
RT: 15.19 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:168 Resp: 260875
Ion Ratio Lower Upper
168 100
139 42.7 36.4 54.6
169 12.5 11.9 17.9

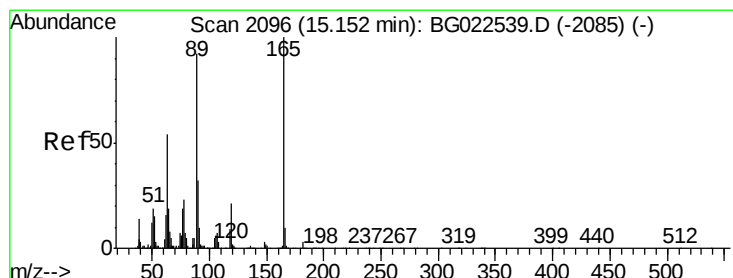
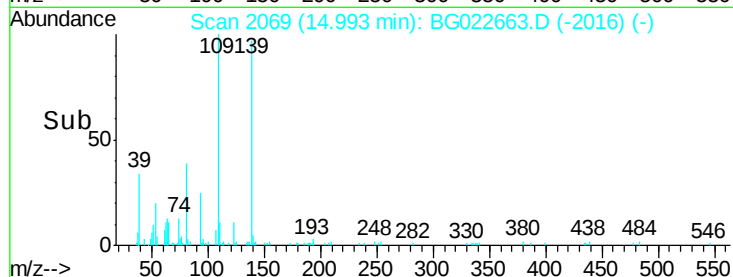
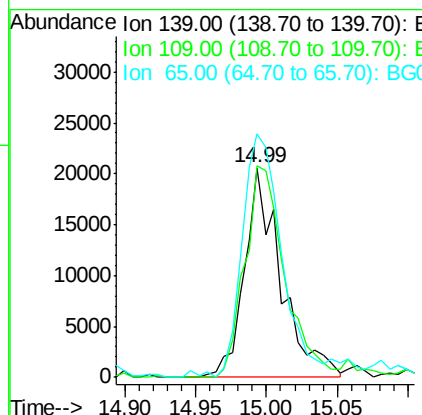
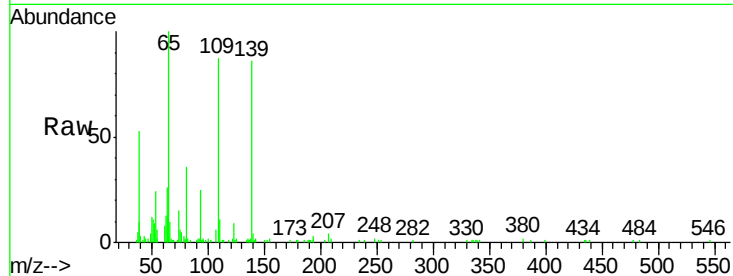




#55
4-Nitrophenol
Concen: 6.00 ng
RT: 14.99 min Scan# 2069
Delta R.T. 0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

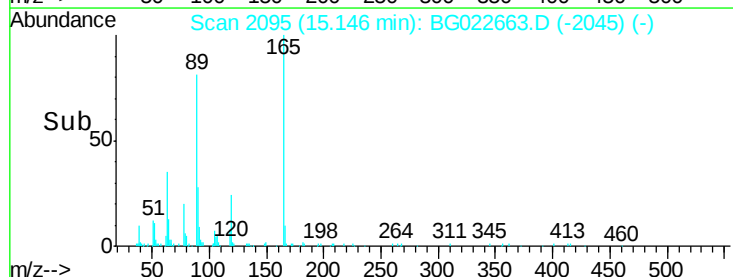
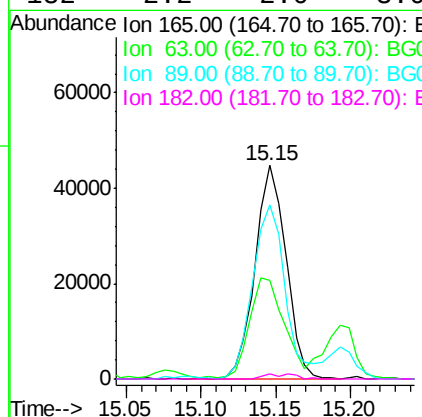
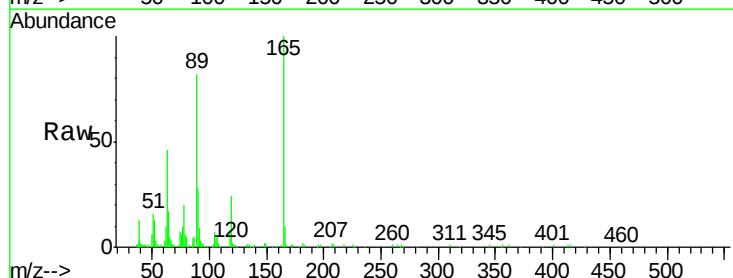
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

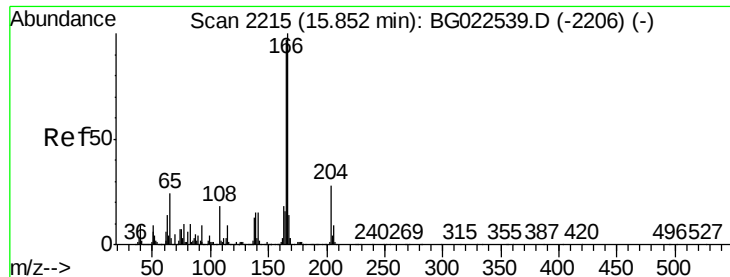
Tgt Ion:139 Resp: 37183
Ion Ratio Lower Upper
139 100
109 100.9 103.0 143.0#
65 116.2 112.7 152.7



#56
2,4-Dinitrotoluene
Concen: 5.93 ng
RT: 15.15 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:165 Resp: 64291
Ion Ratio Lower Upper
165 100
63 45.9 45.8 68.6
89 81.8 68.6 102.8
182 2.2 2.0 3.0





#57

Fluorene

Concen: 6.41 ng

RT: 15.85 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

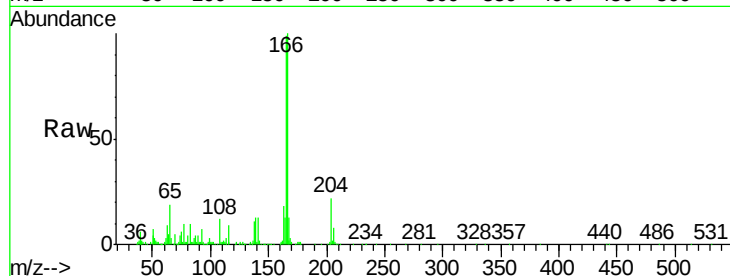
Tgt Ion:166 Resp: 215492

Ion Ratio Lower Upper

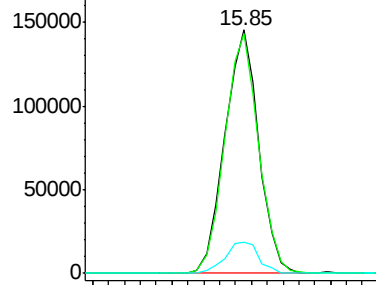
166 100

165 98.5 81.0 121.6

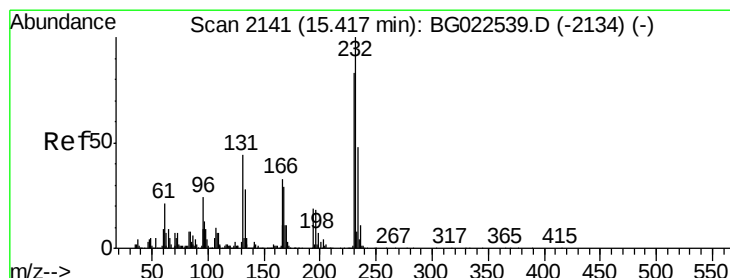
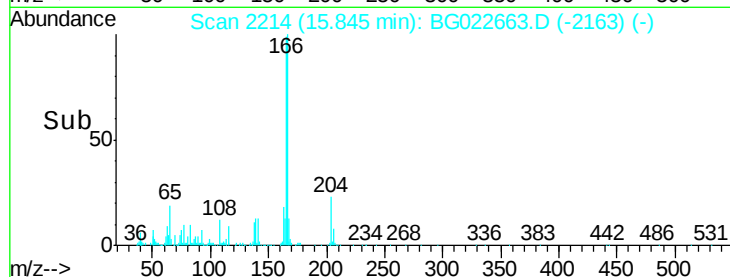
167 12.6 12.0 18.0



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



Time--> 15.75 15.80 15.85 15.90



#58

2,3,4,6-Tetrachlorophenol

Concen: 5.98 ng

RT: 15.42 min Scan# 2141

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Tgt Ion:232 Resp: 68198

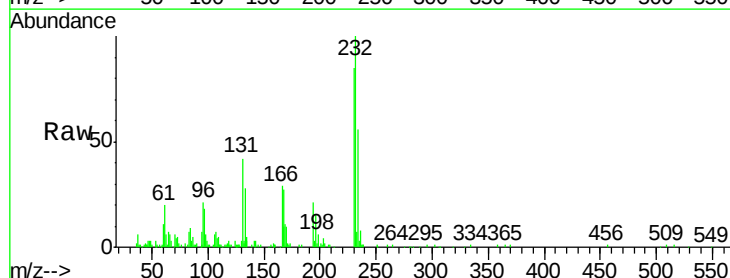
Ion Ratio Lower Upper

232 100

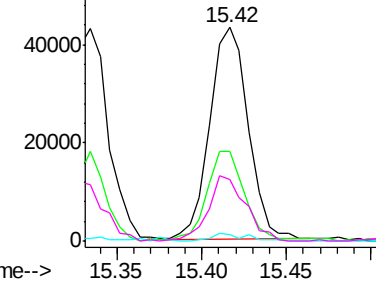
131 40.7 32.7 49.1

130 3.5 2.6 3.8

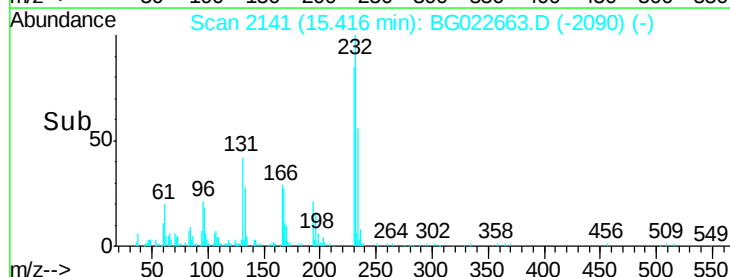
166 29.8 23.0 34.6

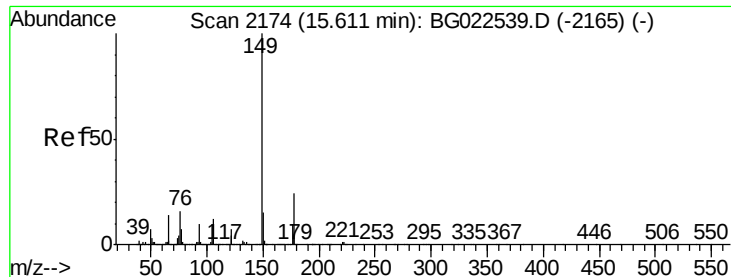


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



Time--> 15.35 15.40 15.45

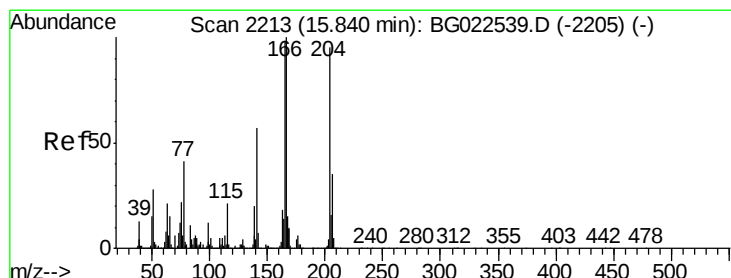
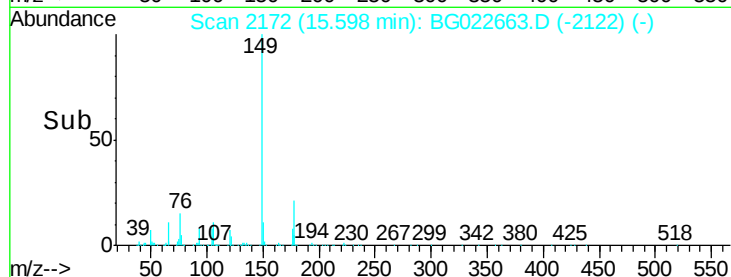
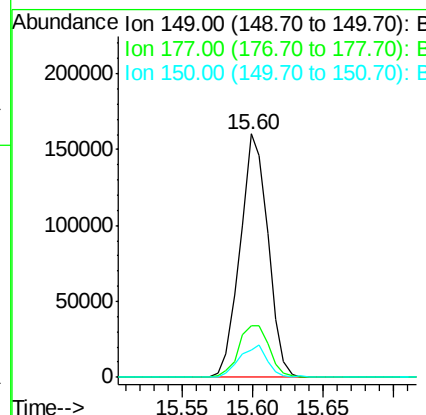
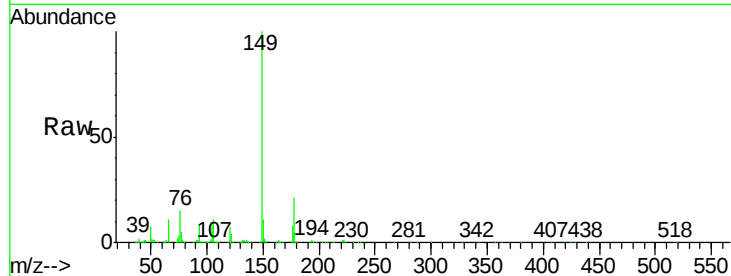




#59
Diethylphthalate
Concen: 5.95 ng
RT: 15.60 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

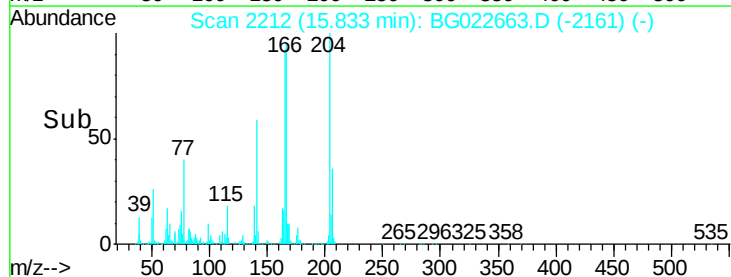
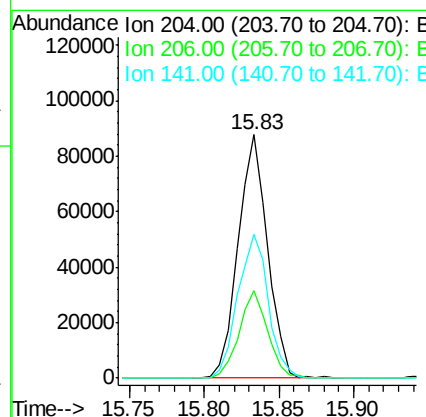
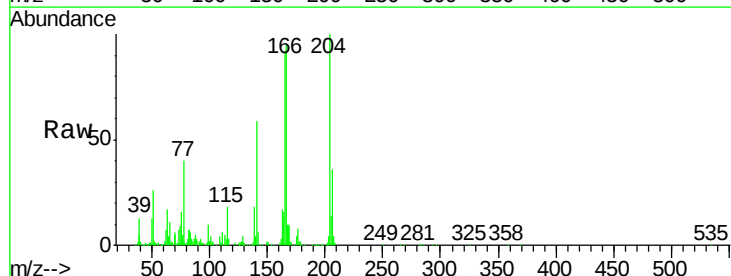
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

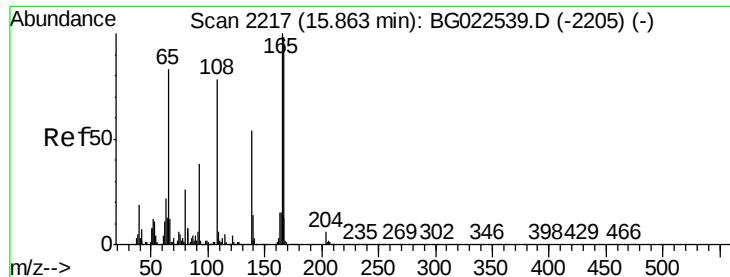
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	19.2	28.8
150	11.1	10.6	16.0



#60
4-Chlorophenyl-phenylether
Concen: 6.01 ng
RT: 15.83 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
204	100		
206	35.7	28.5	42.7
141	58.8	51.4	77.0

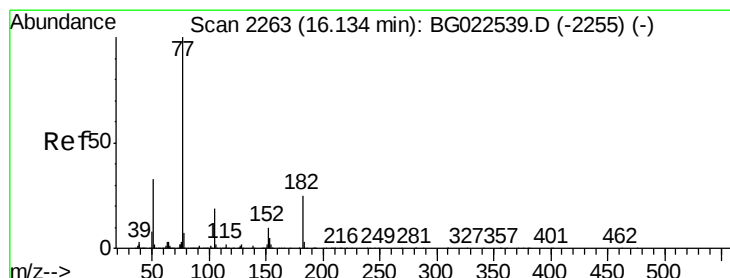
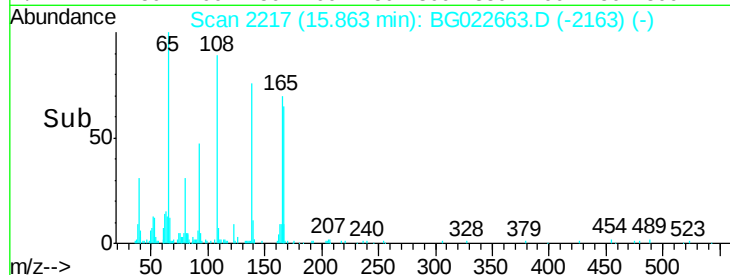
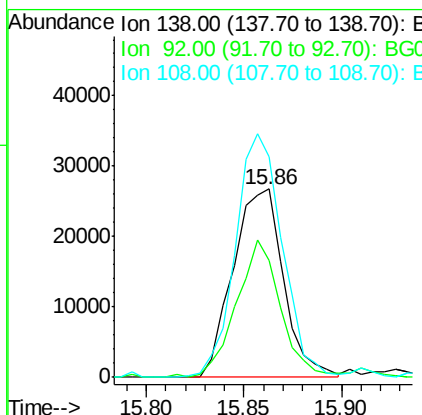
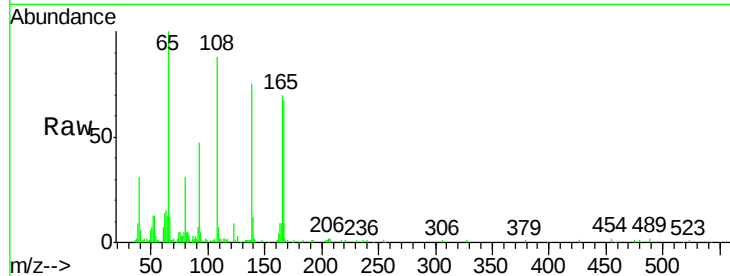




#61
4-Nitroaniline
Concen: 6.33 ng
RT: 15.86 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

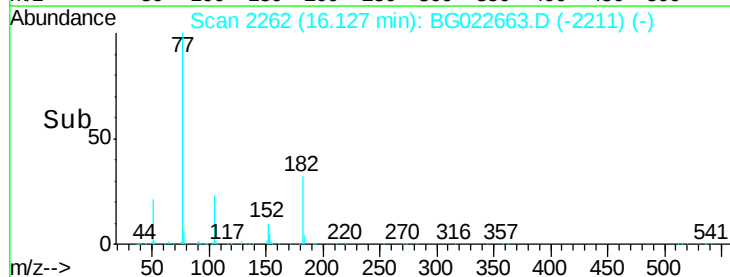
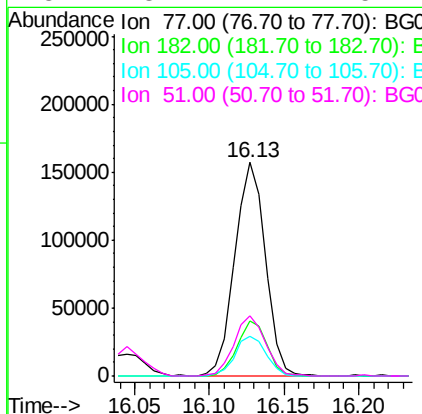
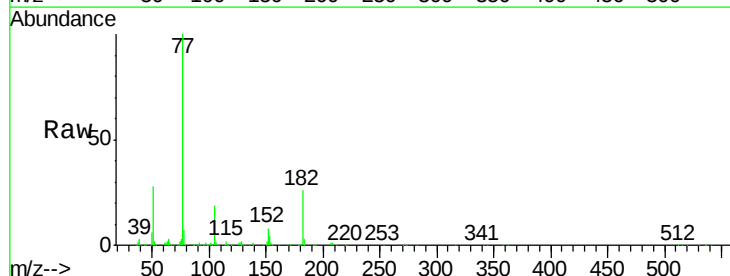
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

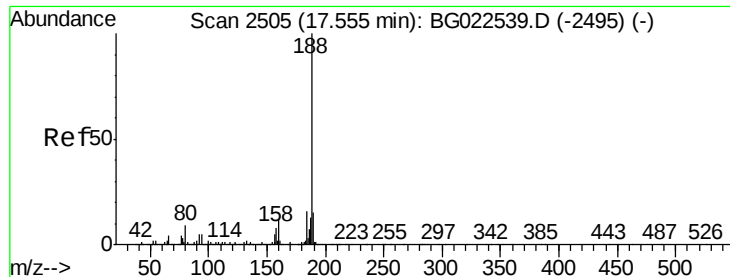
Tgt Ion: 138 Resp: 47856
Ion Ratio Lower Upper
138 100
92 62.2 54.1 94.1
108 117.4 133.9 173.9#



#62
Azobenzene
Concen: 5.61 ng
RT: 16.13 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion: 77 Resp: 225266
Ion Ratio Lower Upper
77 100
182 25.8 3.5 43.5
105 18.5 0.0 38.5
51 28.2 17.1 57.1

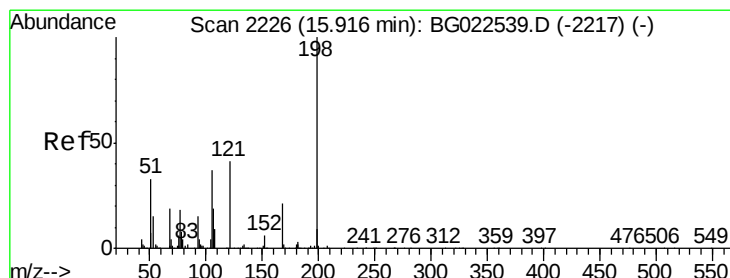
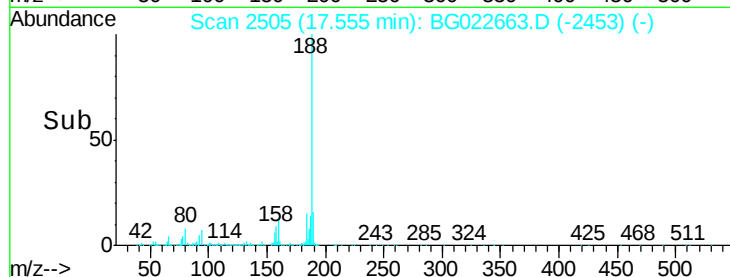
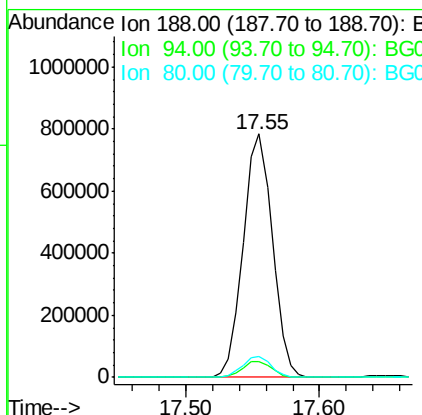
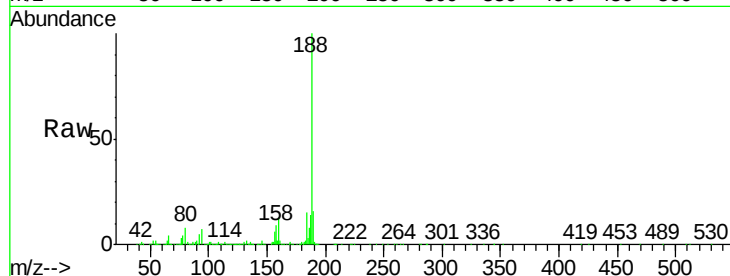




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

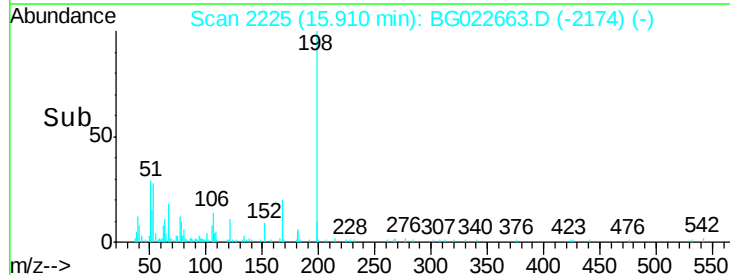
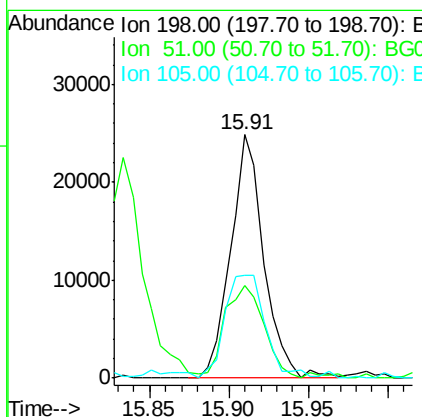
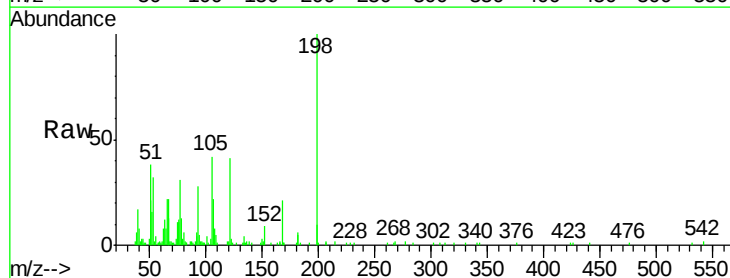
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

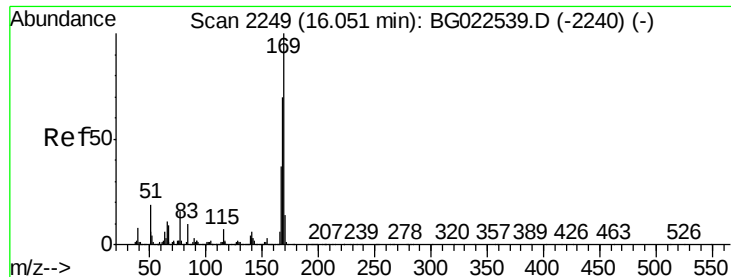
Tgt Ion:188 Resp: 1185796
Ion Ratio Lower Upper
188 100
94 6.7 5.2 7.8
80 8.4 7.2 10.8



#64
4,6-Dinitro-2-methylphenol
Concen: 4.55 ng
RT: 15.91 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:198 Resp: 36179
Ion Ratio Lower Upper
198 100
51 38.1 26.0 66.0
105 42.0 20.1 60.1

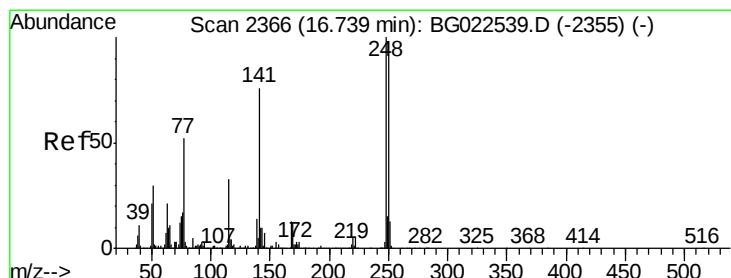
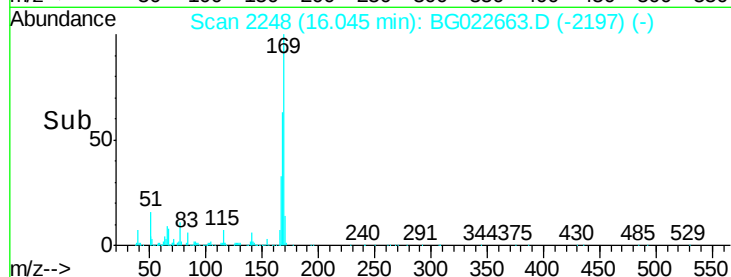
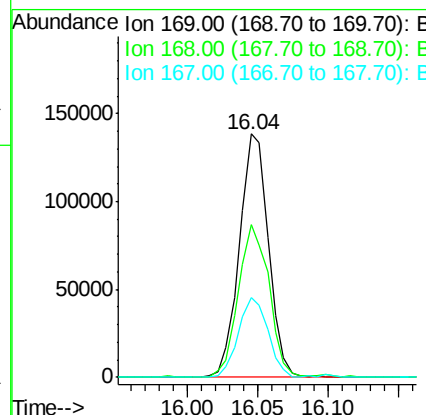
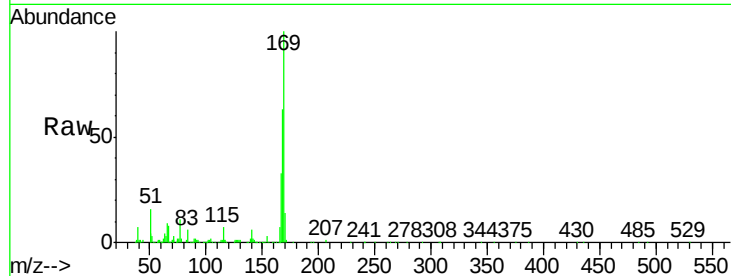




#65
n-Nitrosodiphenylamine
Concen: 5.77 ng
RT: 16.04 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

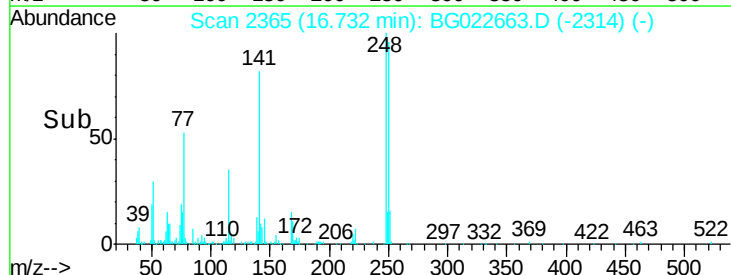
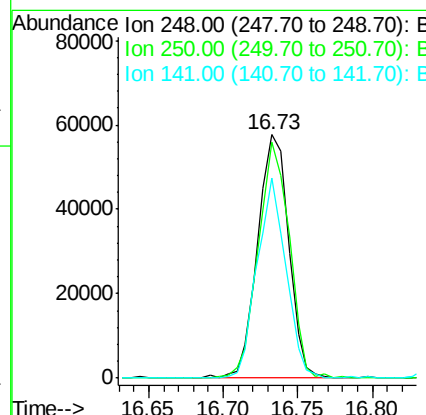
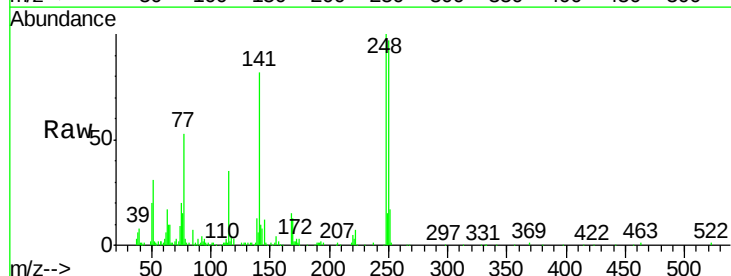
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

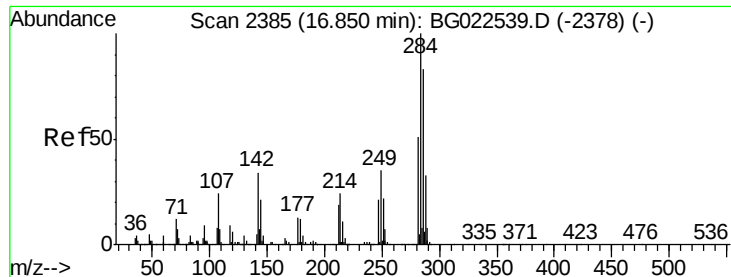
Tgt Ion:169 Resp: 198947
Ion Ratio Lower Upper
169 100
168 62.8 55.0 82.4
167 32.9 27.4 41.0



#66
4-Bromophenyl-phenylether
Concen: 5.38 ng
RT: 16.73 min Scan# 2365
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion:248 Resp: 82713
Ion Ratio Lower Upper
248 100
250 97.1 77.8 116.8
141 82.1 65.7 98.5





#67

Hexachlorobenzene

Concen: 5.47 ng

RT: 16.86 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

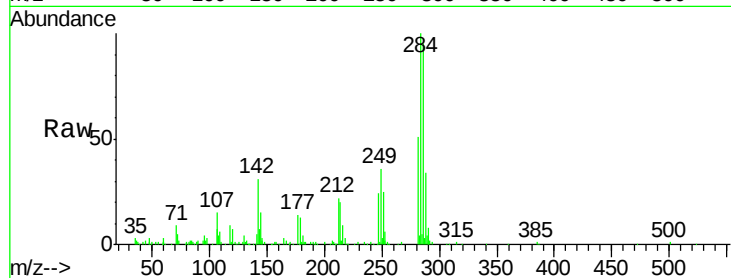
Tgt Ion:284 Resp: 89022

Ion Ratio Lower Upper

284 100

142 31.1 26.8 40.2

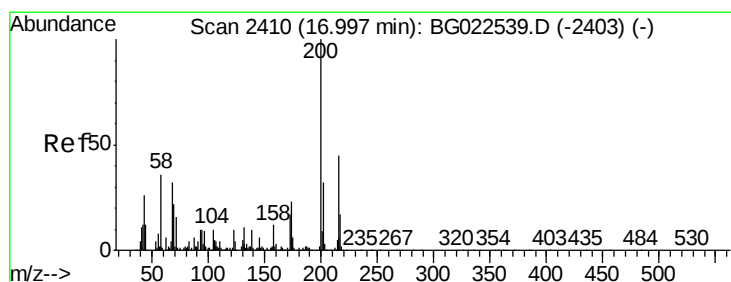
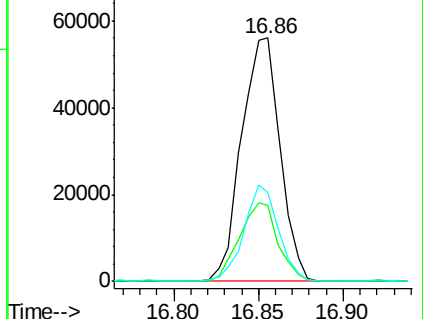
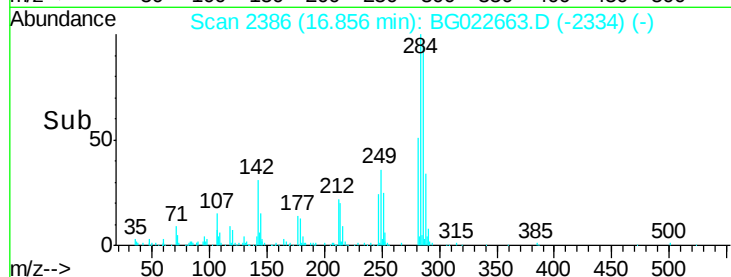
249 36.2 28.9 43.3



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: 5.87 ng

RT: 16.99 min Scan# 2409

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

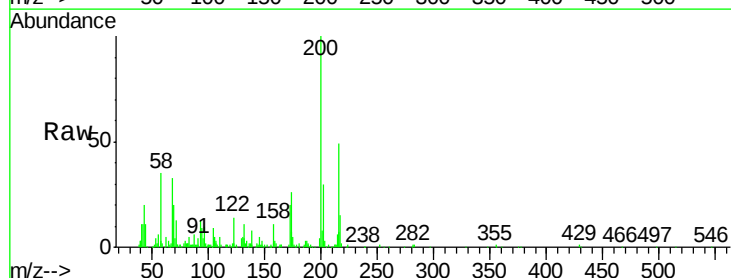
Tgt Ion:200 Resp: 85545

Ion Ratio Lower Upper

200 100

173 25.5 1.6 41.6

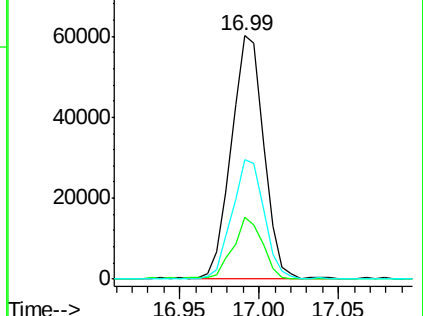
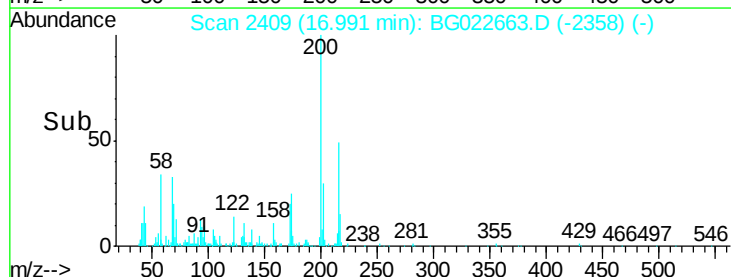
215 49.1 28.7 68.7

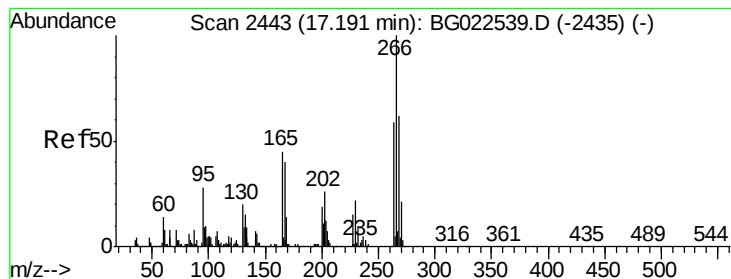


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 4.78 ng

RT: 17.20 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

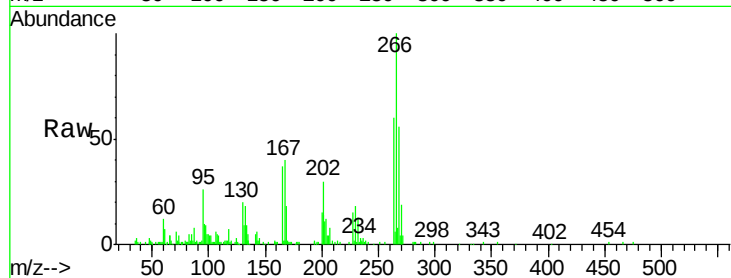
Tgt Ion:266 Resp: 53556

Ion Ratio Lower Upper

266 100

268 55.7 51.9 77.9

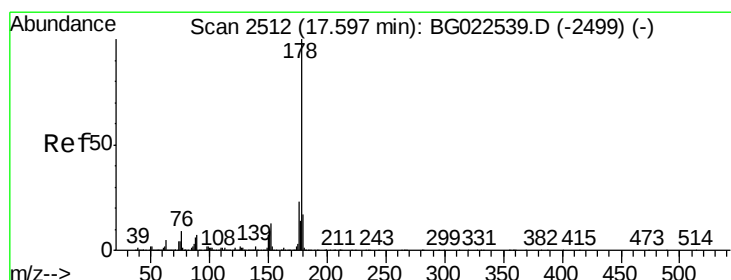
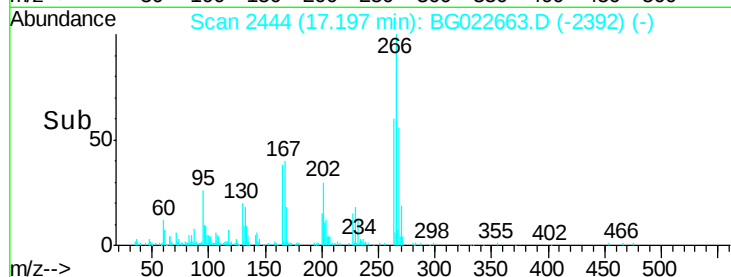
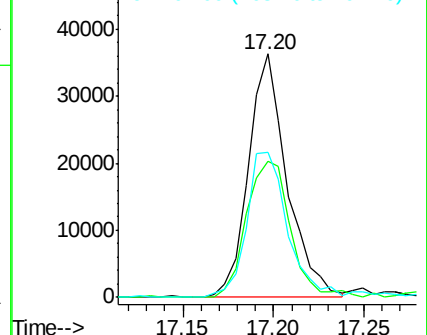
264 59.7 50.6 75.8



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: 6.29 ng

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

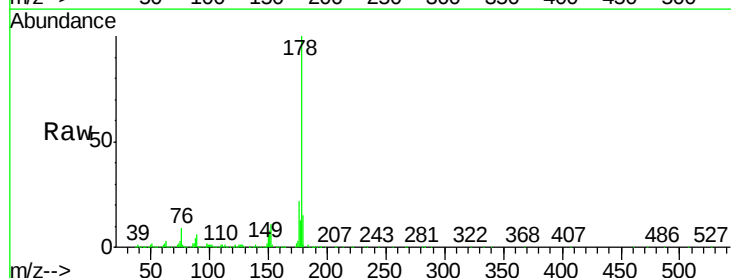
Tgt Ion:178 Resp: 380483

Ion Ratio Lower Upper

178 100

176 21.9 16.8 25.2

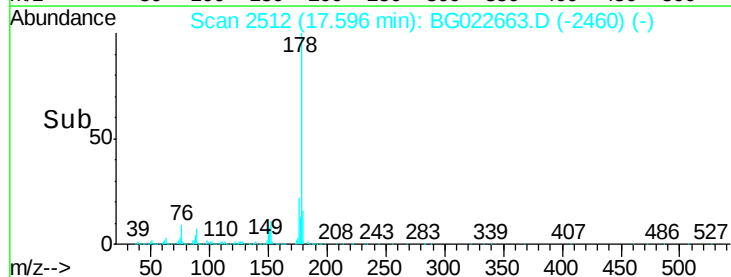
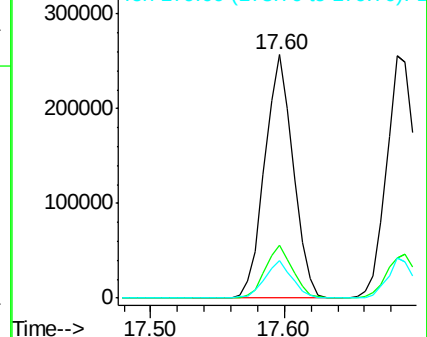
179 15.5 14.3 21.5

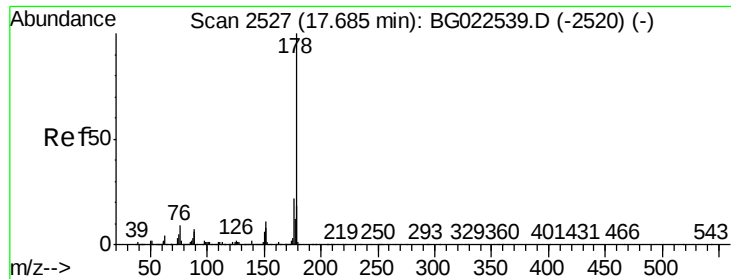


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

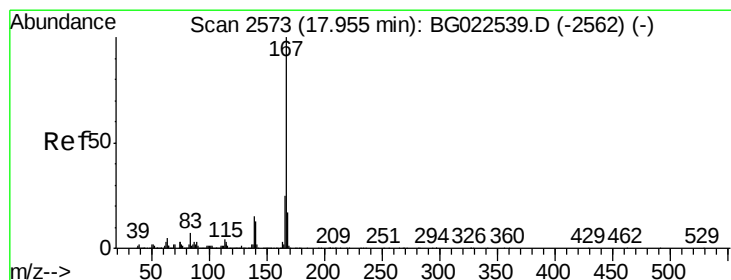
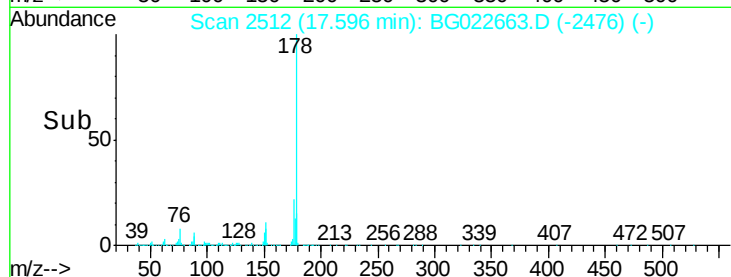
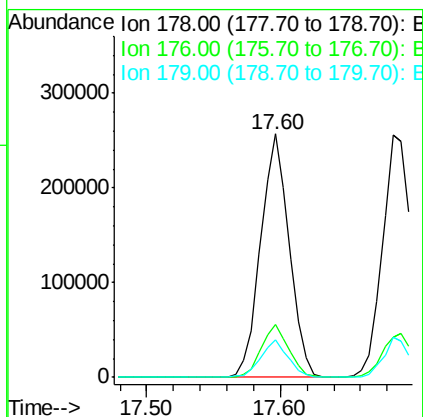
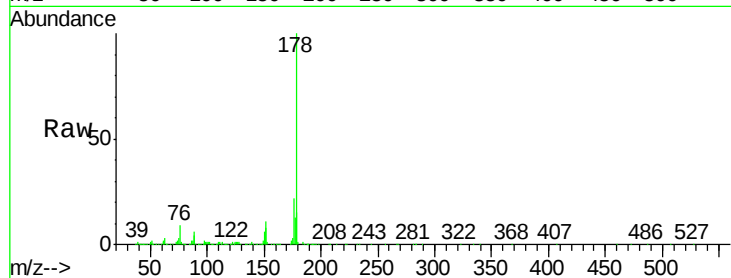




#71
 Anthracene
 Concen: 6.11 ng
 RT: 17.60 min Scan# 2512
 Delta R.T. -0.09 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

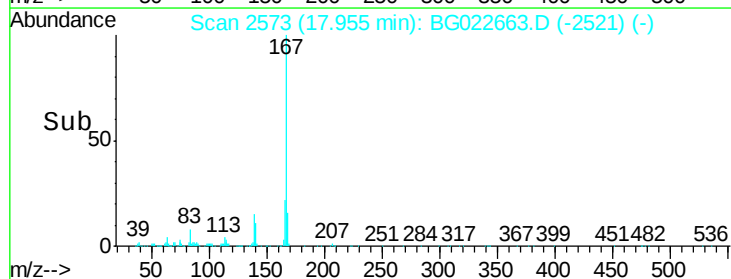
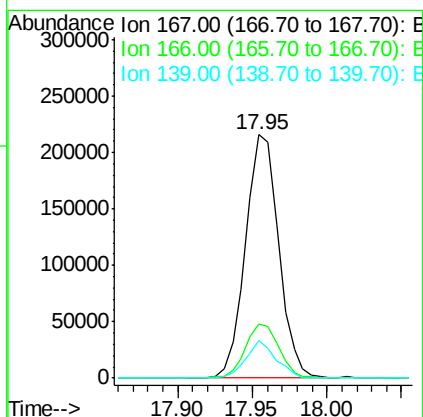
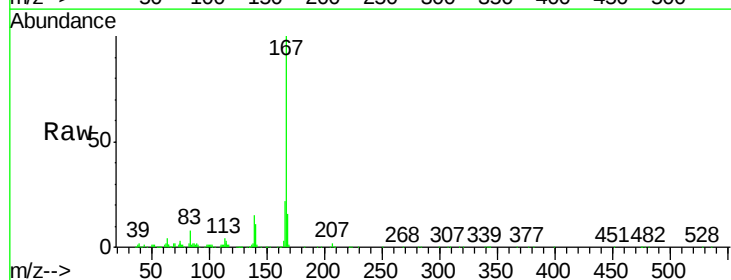
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

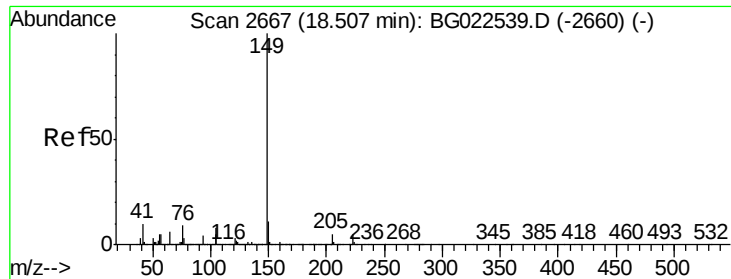
Tgt Ion:178 Resp: 380483
 Ion Ratio Lower Upper
 178 100
 176 21.9 17.3 25.9
 179 15.5 14.0 21.0



#72
 Carbazole
 Concen: 6.29 ng
 RT: 17.95 min Scan# 2573
 Delta R.T. 0.00 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion:167 Resp: 331974
 Ion Ratio Lower Upper
 167 100
 166 22.1 20.7 31.1
 139 15.4 11.9 17.9

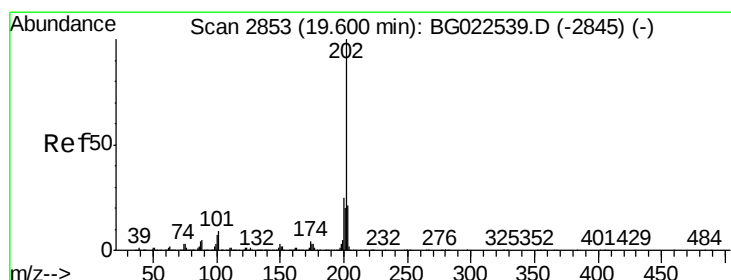
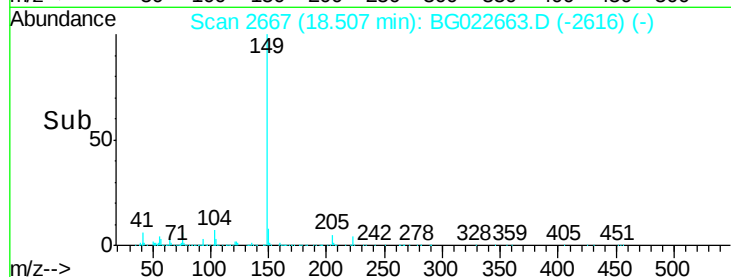
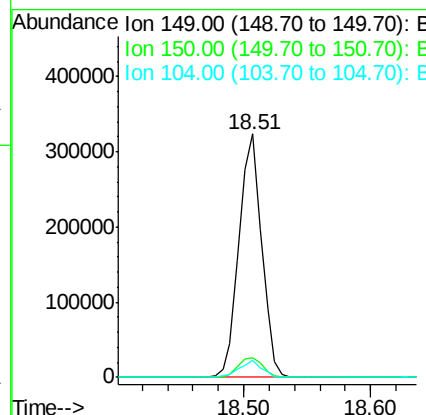
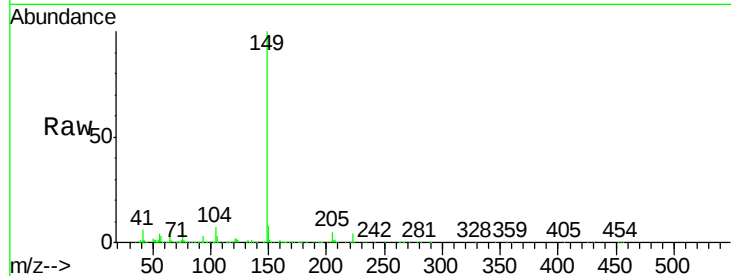




#73
Di-n-butylphthalate
Concen: 6.48 ng
RT: 18.51 min Scan# 2667
Delta R.T. -0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

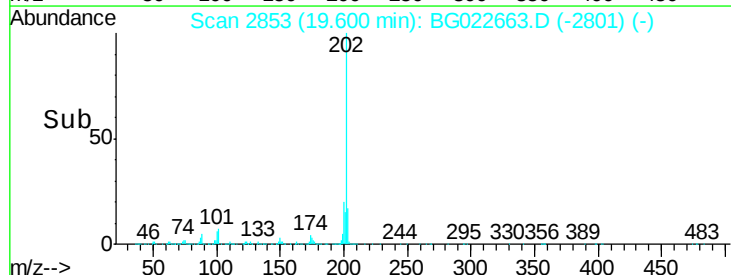
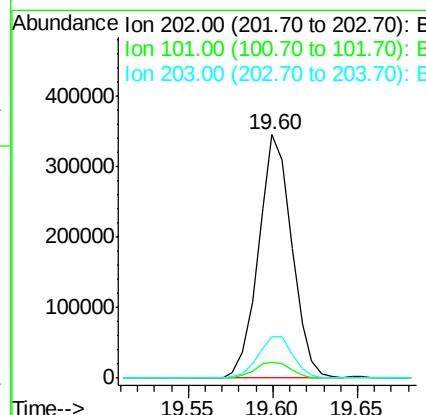
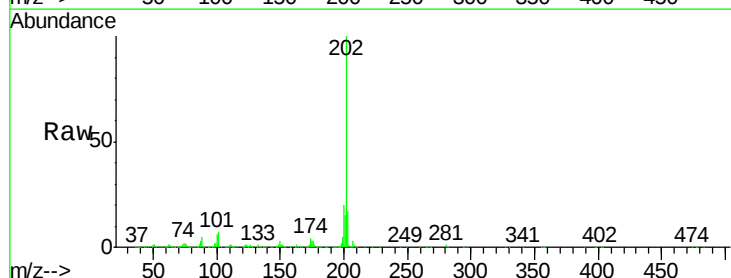
Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

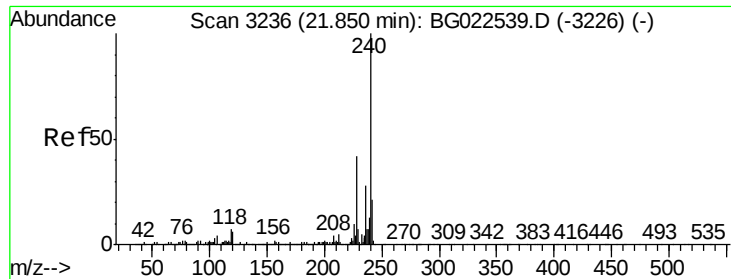
Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.0	9.1	13.7#
104	7.2	6.9	10.3



#74
Fluoranthene
Concen: 6.76 ng
RT: 19.60 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BG022663.D
Acq: 28 Jun 2016 4:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	27.4
203	17.1	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

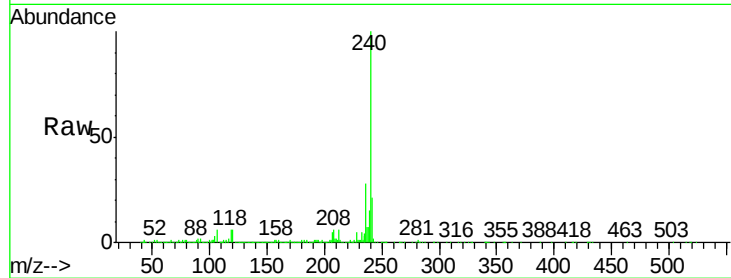
Tgt Ion:240 Resp: 1372502

Ion Ratio Lower Upper

240 100

120 6.0 4.1 6.1

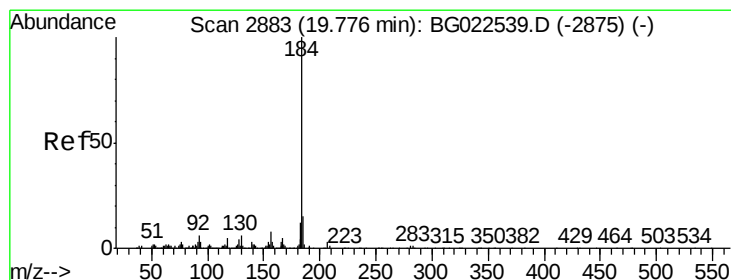
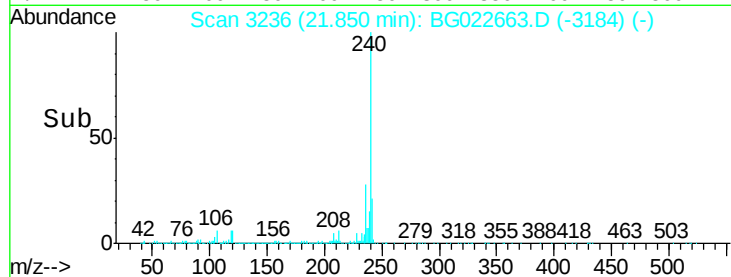
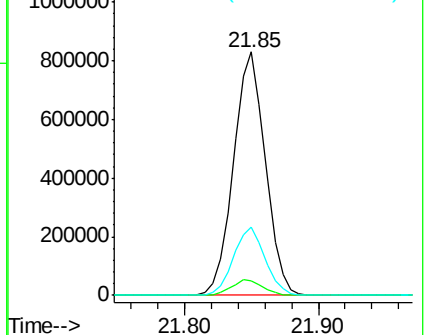
236 27.9 21.1 31.7



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: 4.77 ng

RT: 19.78 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

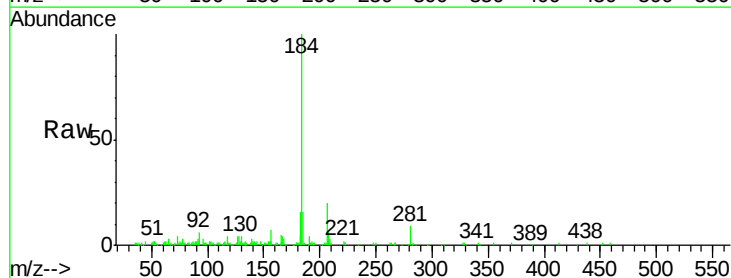
Tgt Ion:184 Resp: 69684

Ion Ratio Lower Upper

184 100

185 15.7 12.6 19.0

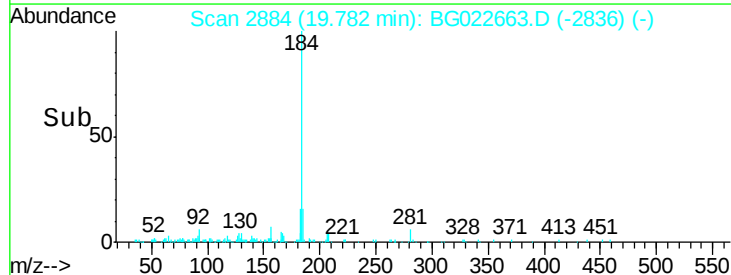
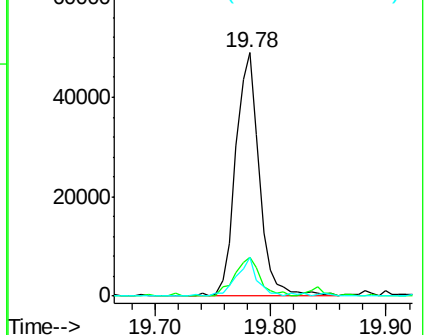
183 16.0 10.7 16.1

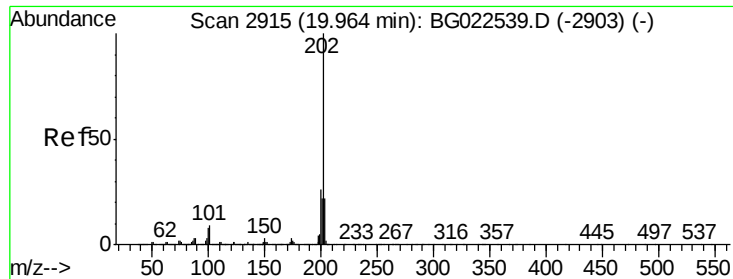


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 6.55 ng

RT: 19.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

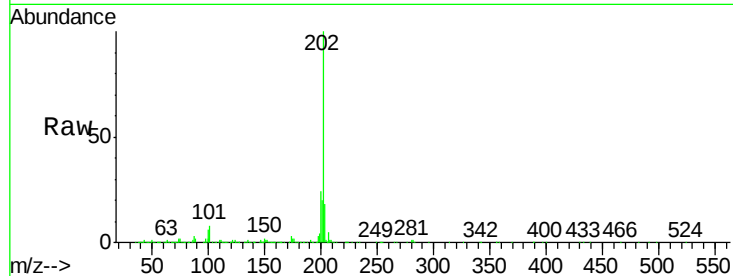
Tgt Ion:202 Resp: 478938

Ion Ratio Lower Upper

202 100

200 23.5 21.2 31.8

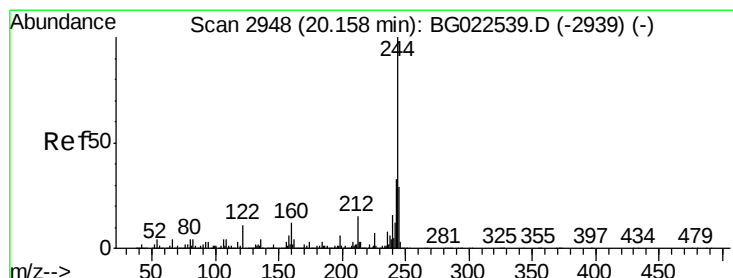
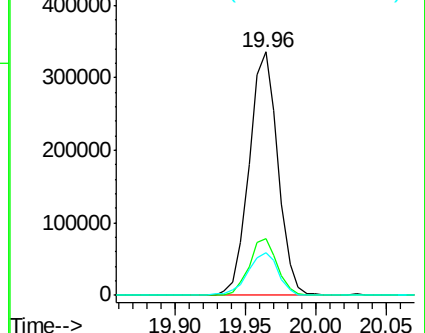
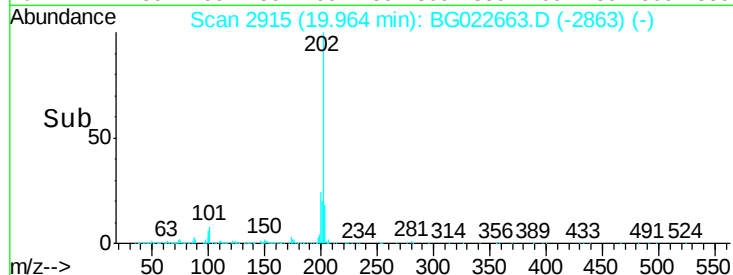
203 17.5 16.8 25.2



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: 60.38 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

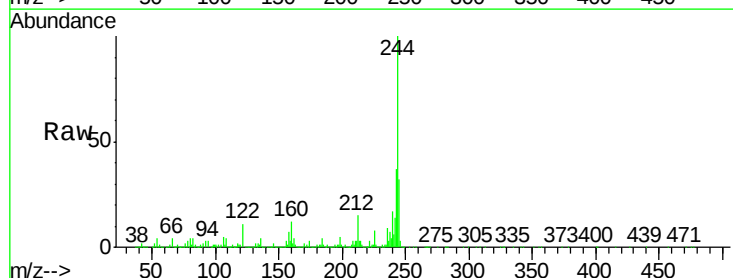
Tgt Ion:244 Resp: 3128089

Ion Ratio Lower Upper

244 100

212 15.0 10.8 16.2

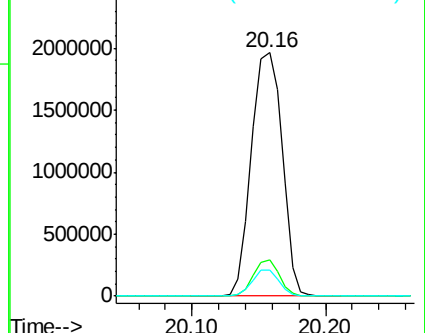
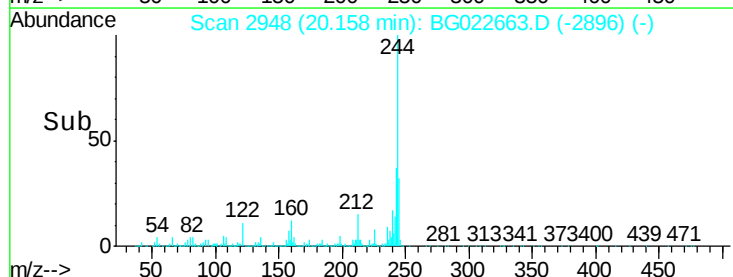
122 10.6 8.0 12.0

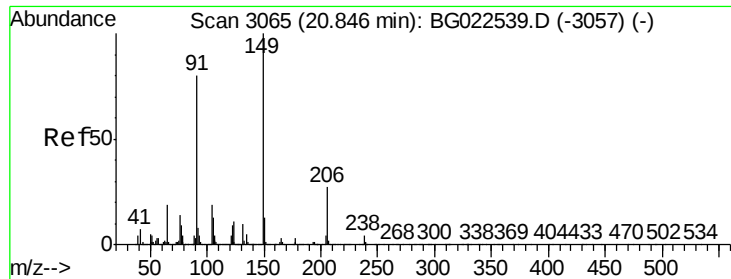


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 5.66 ng

RT: 20.84 min Scan# 3064

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

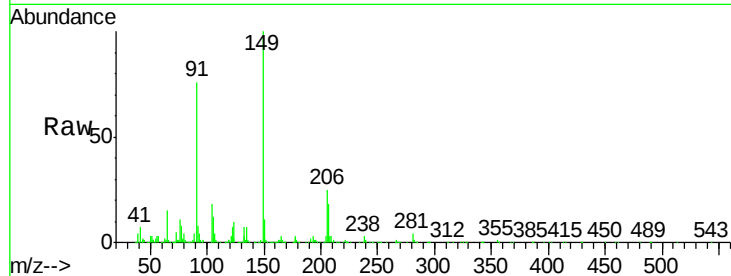
Tgt Ion:149 Resp: 179166

Ion Ratio Lower Upper

149 100

91 76.5 68.1 102.1

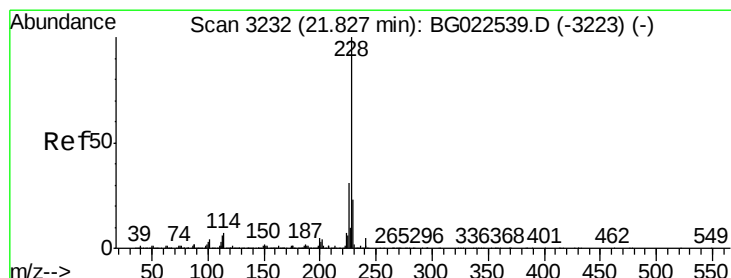
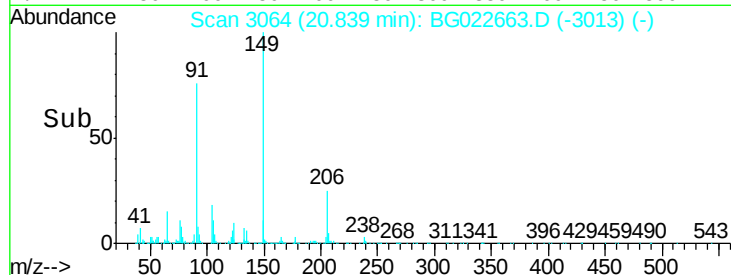
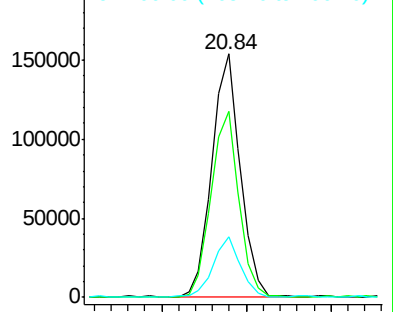
206 24.8 19.8 29.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 6.68 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

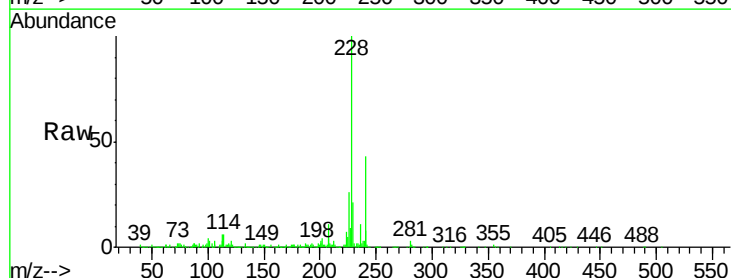
Tgt Ion:228 Resp: 506954

Ion Ratio Lower Upper

228 100

226 26.3 25.3 37.9

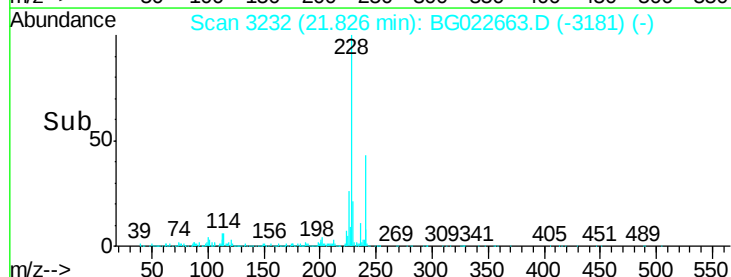
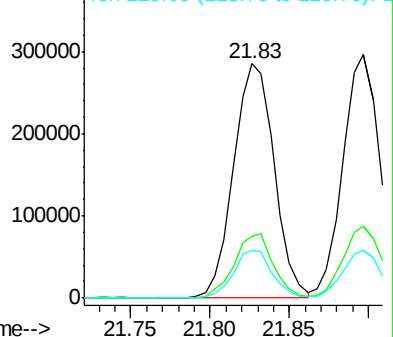
229 20.6 19.9 29.9

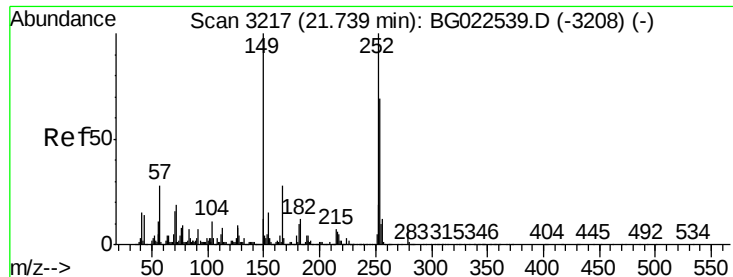


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

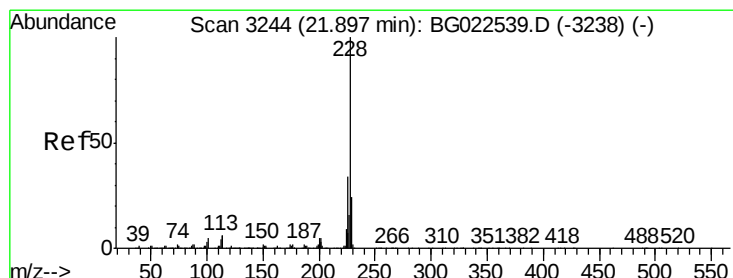
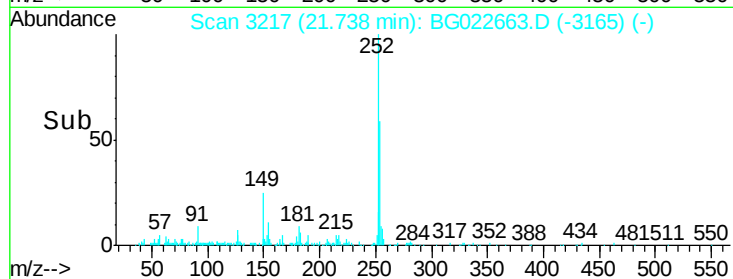
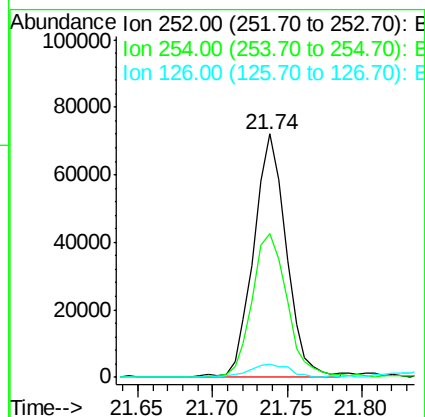
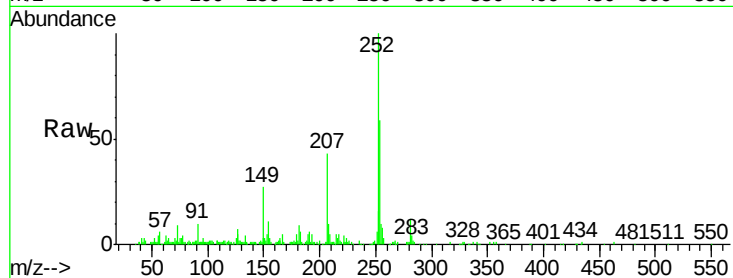




#81
 3,3'-Dichlorobenzidine
 Concen: 3.47 ng
 RT: 21.74 min Scan# 3217
 Delta R.T. 0.00 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

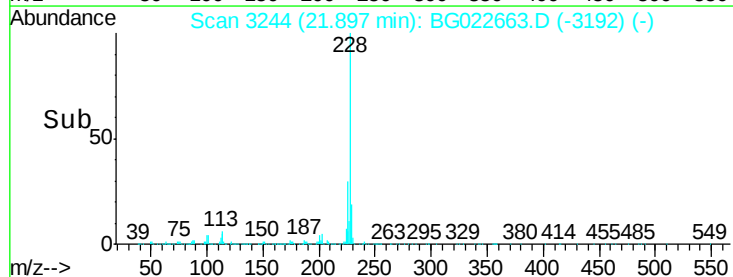
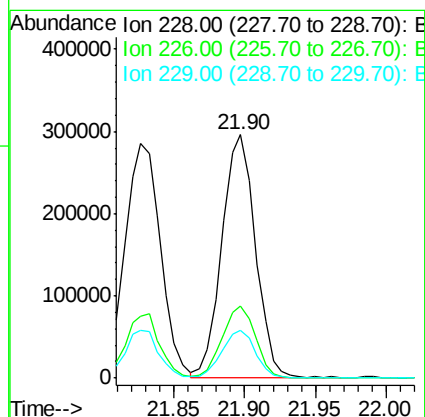
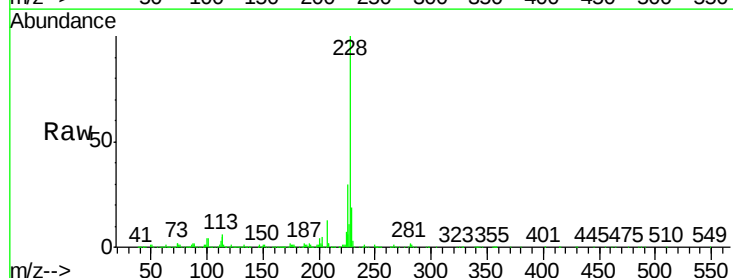
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

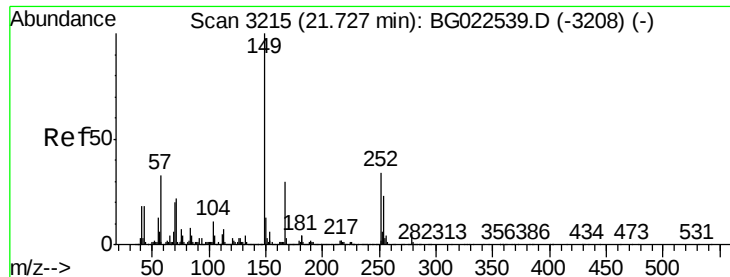
Tgt Ion: 252 Resp: 108854
 Ion Ratio Lower Upper
 252 100
 254 59.0 51.2 76.8
 126 5.3 5.3 7.9



#82
 Chrysene
 Concen: 6.87 ng
 RT: 21.90 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion: 228 Resp: 490382
 Ion Ratio Lower Upper
 228 100
 226 29.9 26.7 40.1
 229 19.5 17.4 26.2

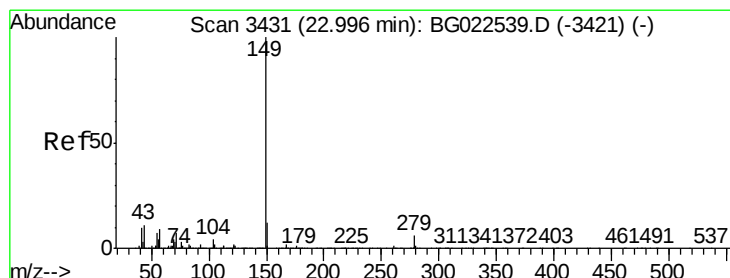
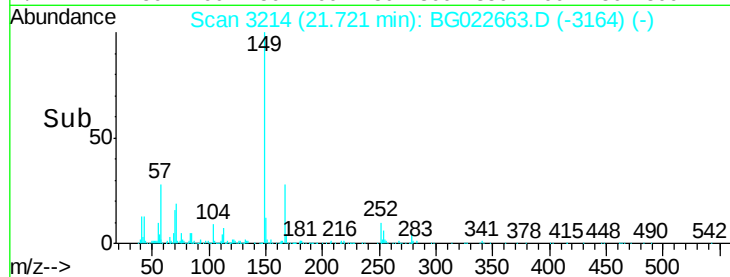
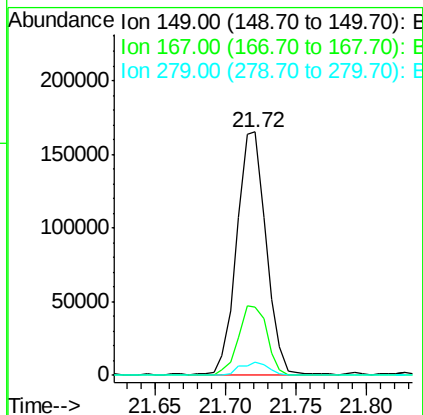
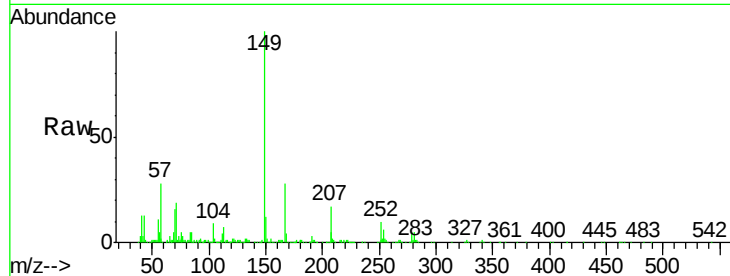




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.33 ng
 RT: 21.72 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

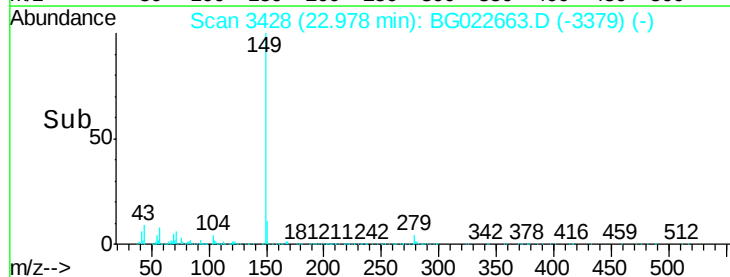
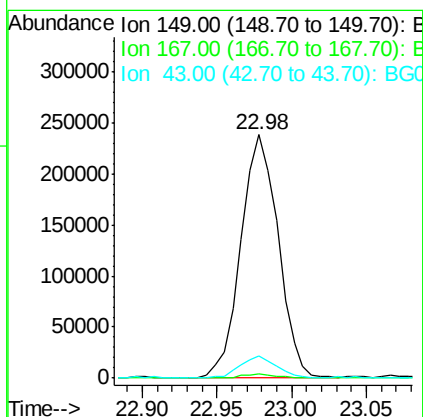
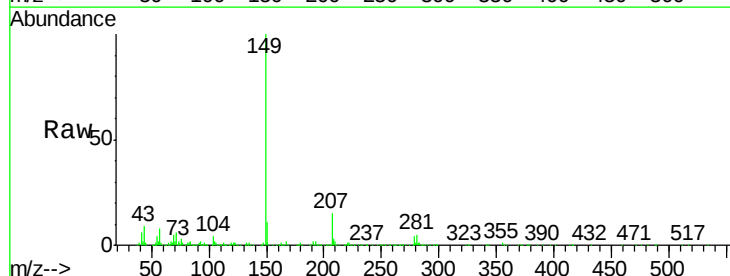
Instrument :
 BNA_G
 ClientSampleId :
 LOD-SOIL2016-01

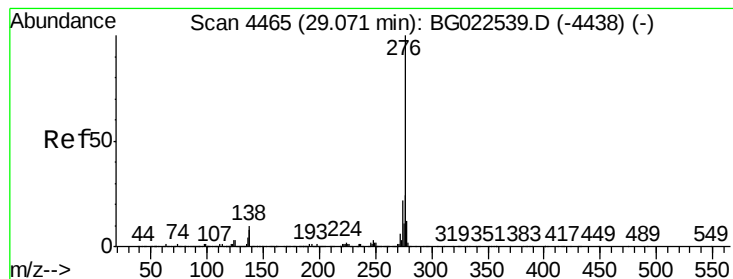
Tgt Ion:149 Resp: 237595
 Ion Ratio Lower Upper
 149 100
 167 27.9 24.0 36.0
 279 5.4 4.8 7.2



#84
 Di-n-octyl phthalate
 Concen: 5.58 ng
 RT: 22.98 min Scan# 3428
 Delta R.T. -0.01 min
 Lab File: BG022663.D
 Acq: 28 Jun 2016 4:38

Tgt Ion:149 Resp: 409612
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.5 2.3
 43 9.1 8.8 13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.30 ng

RT: 29.04 min Scan# 4460

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

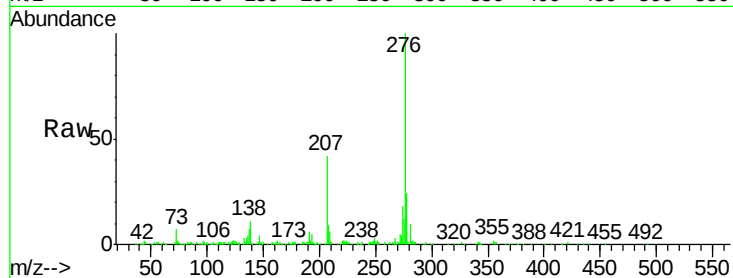
Tgt Ion:276 Resp: 497346

Ion Ratio Lower Upper

276 100

138 0.8 0.0 0.0#

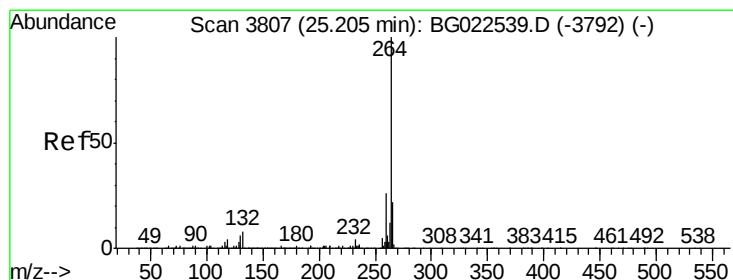
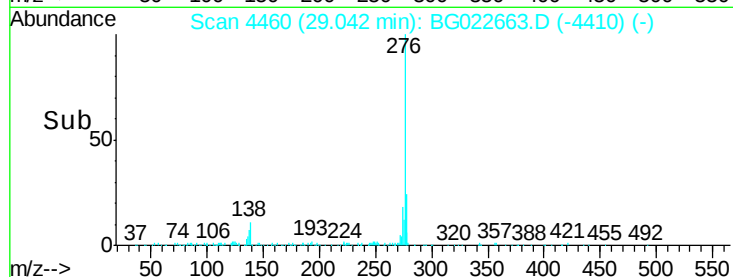
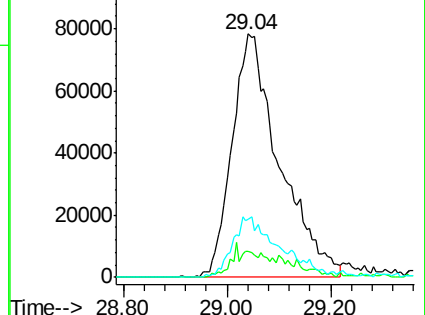
277 20.3 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.21 min Scan# 3808

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

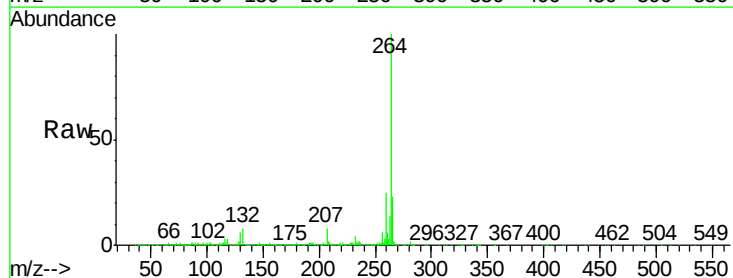
Tgt Ion:264 Resp: 1461666

Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

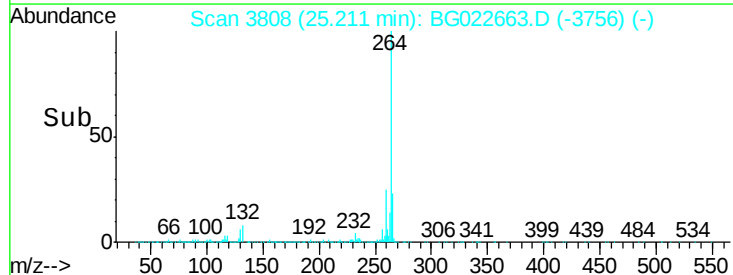
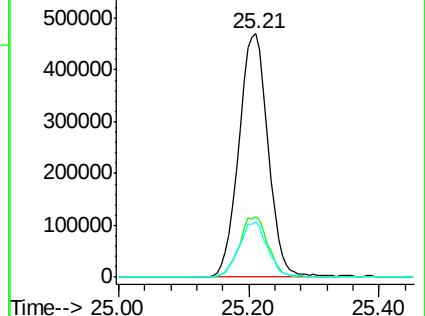
265 22.9 18.9 28.3

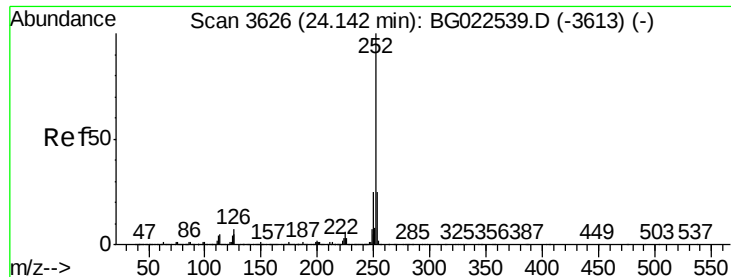


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.77 ng

RT: 24.13 min Scan# 3624

Delta R.T. -0.00 min

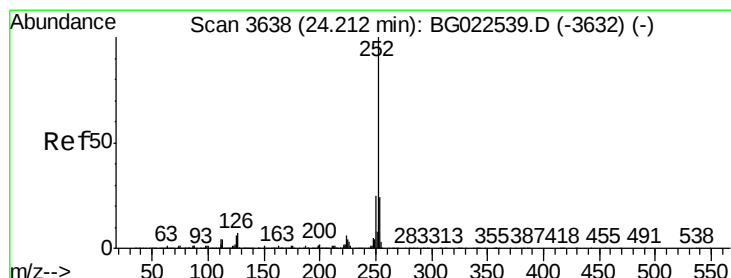
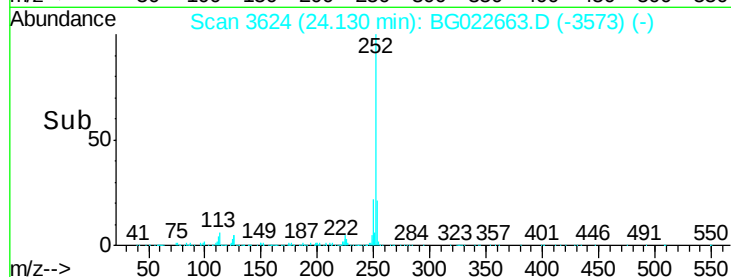
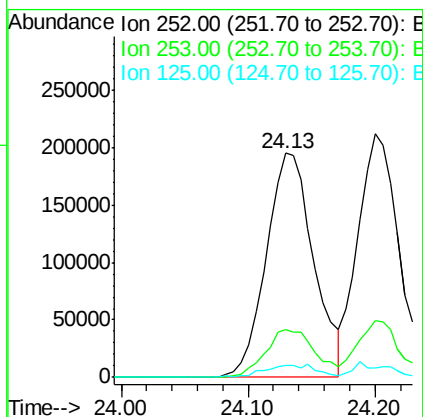
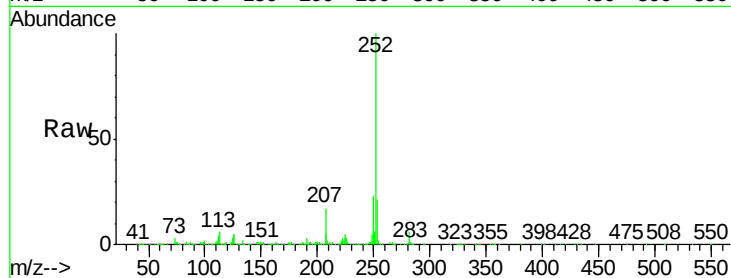
Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :
BNA_G
ClientSampleId :
LOD-SOIL2016-01

Tgt Ion: 252 Resp: 507255

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.9	28.3
125	5.4	3.9	5.9



#88

Benzo(k)fluoranthene

Concen: 5.72 ng

RT: 24.20 min Scan# 3636

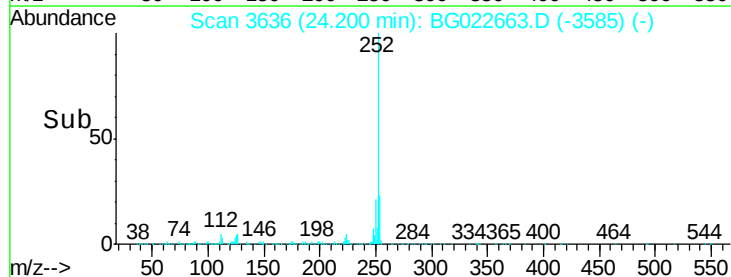
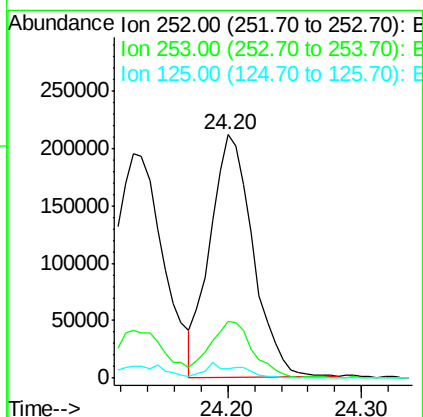
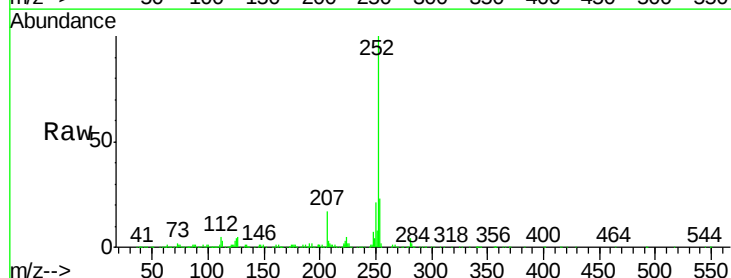
Delta R.T. -0.00 min

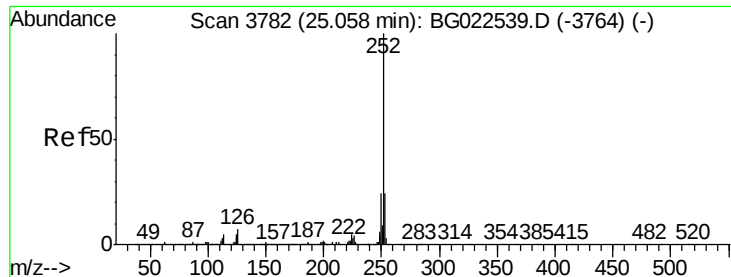
Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Tgt Ion: 252 Resp: 475580

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.8	28.2
125	4.1	3.2	4.8





#89

Benzo(a)pyrene

Concen: 5.66 ng

RT: 25.05 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

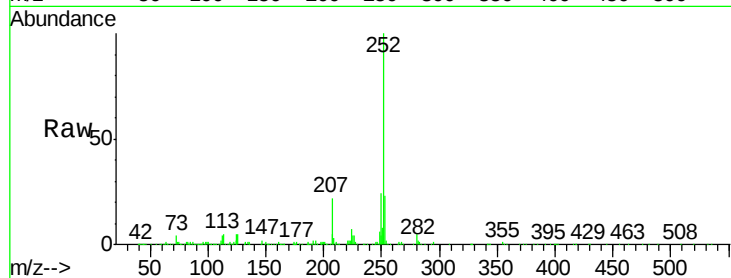
BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:252 Resp: 485070

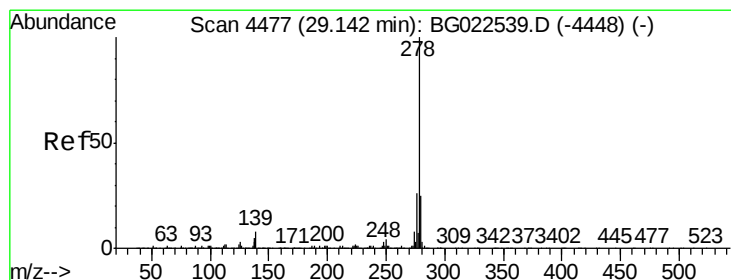
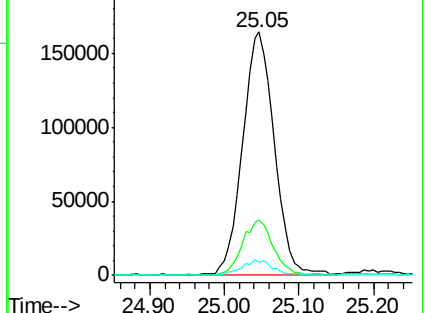
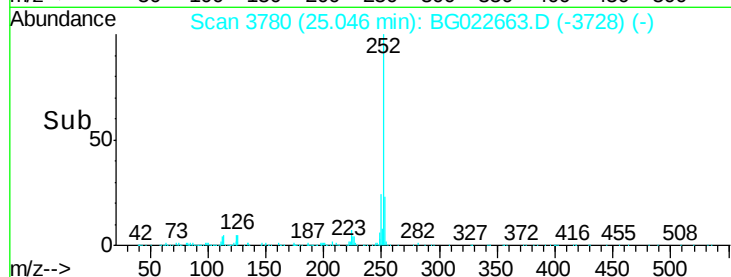
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	5.3	3.9	5.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.27 ng

RT: 29.12 min Scan# 4474

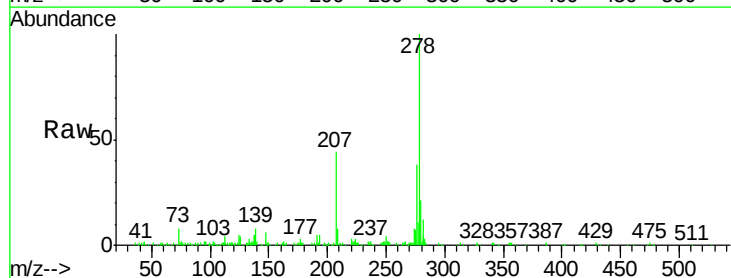
Delta R.T. 0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Tgt Ion:278 Resp: 425382

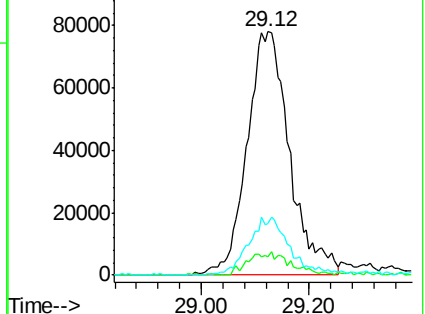
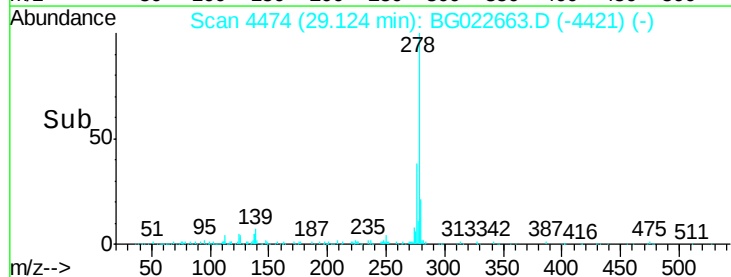
Ion	Ratio	Lower	Upper
278	100		
139	9.3	4.7	7.1#
279	21.0	18.3	27.5

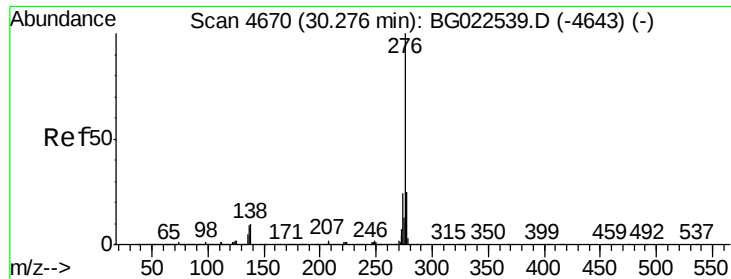


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.71 ng

RT: 30.24 min Scan# 4664

Delta R.T. -0.01 min

Lab File: BG022663.D

Acq: 28 Jun 2016 4:38

Instrument :

BNA_G

ClientSampleId :

LOD-SOIL2016-01

Tgt Ion:276 Resp: 222694

Ion Ratio Lower Upper

276 100

277 19.7 18.6 27.8

138 11.8 6.8 10.2#

